

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112264.D
 Acq On : 28 Jan 2019 10:23
 Operator : JU/SJ
 Sample : PB116607BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Manual Integrations
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mohammad
 1/29/2019 9:34:44 AM

Quant Time: Jan 29 00:07:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	217752	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	867282	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	417319	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	847713	20.00	ng	0.00
76) Chrysene-d12	14.01	240	727899	20.00	ng	0.00
87) Perylene-d12	15.47	264	672064	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1457942	142.22	ng	0.00
7) Phenol-d6	6.49	99	1835931	128.88	ng	0.00
23) Nitrobenzene-d5	7.40	82	1127124	74.88	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	617270	127.08	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2174256	73.69	ng	0.00
79) Terphenyl-d14	12.95	244	2476672	64.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	305176	74.728	ng	97
3) Pyridine	3.45	79	465679	44.827	ng	98
4) n-Nitrosodimethylamine	3.39	42	206833	47.390	ng	97
6) Aniline	6.51	93	518259	30.584	ng	# 69
8) 2-Chlorophenol	6.64	128	587060	42.568	ng	99
9) Benzaldehyde	6.39	77	124936	16.780	ng	95
10) Phenol	6.50	94	663948	42.483	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	523441	42.542	ng	97
12) 1,3-Dichlorobenzene	6.79	146	641582	39.946	ng	99
13) 1,4-Dichlorobenzene	6.86	146	653525	39.537	ng	100
14) 1,2-Dichlorobenzene	7.02	146	614256	39.691	ng	98
15) Benzyl Alcohol	6.99	79	471369	39.253	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	670552	42.445	ng	73
17) 2-Methylphenol	7.11	107	467985	42.807	ng	93
18) Hexachloroethane	7.36	117	226749	39.064	ng	90
19) n-Nitroso-di-n-propylamine	7.26	70	389298	39.633	ng	96
20) 3+4-Methylphenols	7.26	107	599520	42.884	ng	# 63
22) Acetophenone	7.25	105	763907	36.173	ng	# 96
24) Nitrobenzene	7.43	77	585336	38.938	ng	95
25) Isophorone	7.66	82	1060146	44.897	ng	98
26) 2-Nitrophenol	7.75	139	326844	40.685	ng	96
27) 2,4-Dimethylphenol	7.79	122	519666	46.951	ng	96
28) bis(2-Chloroethoxy)methane	7.87	93	682533	42.450	ng	99
29) 2,4-Dichlorophenol	7.99	162	523601	42.273	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	560726	39.384	ng	99
31) Naphthalene	8.15	128	1710574	42.176	ng	99
32) Benzoic acid	7.92	122	251329	39.808	ng	92
33) 4-Chloroaniline	8.20	127	449834	25.472	ng	97
34) Hexachlorobutadiene	8.26	225	305992	36.625	ng	99
35) Caprolactam	8.56	113	169831m	38.867	ng	
36) 4-Chloro-3-methylphenol	8.69	107	529815	40.406	ng	100
37) 2-Methylnaphthalene	8.84	142	1144110	41.207	ng	99
38) 1-Methylnaphthalene	8.94	142	1034538	38.874	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	497151	36.283	ng	99

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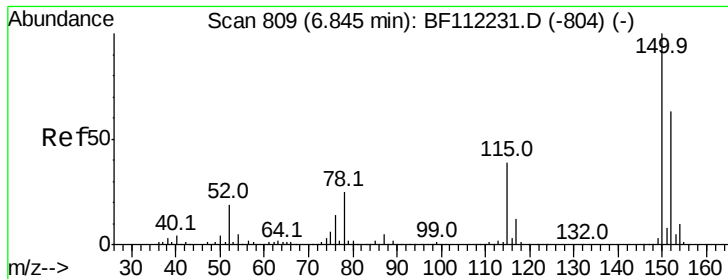
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	372796	72.764	nq	97
43) 2,4,6-Trichlorophenol	9.12	196	328039	38.839	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	346074	39.205	nq	98
46) 1,1'-Biphenyl	9.30	154	1354716	37.132	nq	99
47) 2-Chloronaphthalene	9.33	162	1049612	37.099	nq	97
48) 2-Nitroaniline	9.43	65	298617	38.725	nq	97
49) Acenaphthylene	9.75	152	1718911	41.452	nq	99
50) Dimethylphthalate	9.60	163	1295990	39.971	nq	99
51) 2,6-Dinitrotoluene	9.67	165	299791	41.284	nq	99
52) Acenaphthene	9.92	154	995358	40.182	nq	99
53) 3-Nitroaniline	9.83	138	217684	27.670	nq	93
54) 2,4-Dinitrophenol	9.96	184	217176	93.190	nq	96
55) Dibenzofuran	10.09	168	1524492	40.272	nq	97
56) 4-Nitrophenol	10.02	139	351232	84.446	nq	99
57) 2,4-Dinitrotoluene	10.07	165	386856	41.847	nq	# 88
58) Fluorene	10.43	166	1222167	43.144	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	313224	46.955	nq	98
60) Diethylphthalate	10.30	149	1288878	40.056	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	591036	38.355	nq	93
62) 4-Nitroaniline	10.46	138	301433	39.064	nq	93
63) Azobenzene	10.58	77	1079001	38.129	nq	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	165821	34.889	nq	99
66) n-Nitrosodiphenylamine	10.54	169	1090841	38.181	nq	99
67) 4-Bromophenyl-phenylether	10.91	248	382642	38.378	nq	95
68) Hexachlorobenzene	10.99	284	410502	38.376	nq	97
69) Atrazine	11.07	200	367698	39.886	nq	98
70) Pentachlorophenol	11.19	266	307441	73.864	nq	99
71) Phenanthrene	11.39	178	1760292	39.942	nq	99
72) Anthracene	11.45	178	1834750	41.793	nq	100
73) Carbazole	11.60	167	1621529	37.445	nq	99
74) Di-n-butylphthalate	11.92	149	2019017	37.562	nq	100
75) Fluoranthene	12.58	202	1863076	39.414	nq	99
77) Benzidine	12.70	184	703201	35.100	nq	96
78) Pyrene	12.81	202	1785605	35.432	nq	100
80) Butylbenzylphthalate	13.42	149	924806	37.929	nq	94
81) Benzo(a)anthracene	14.00	228	1774842	41.478	nq	100
82) 3,3'-Dichlorobenzidine	13.96	252	441891	27.594	nq	98
83) Chrysene	14.04	228	1649389	40.382	nq	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	1296032	37.447	nq	99
85) Di-n-octyl phthalate	14.59	149	2065299	38.786	nq	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1541655	47.634	nq	98
88) Benzo(b)fluoranthene	15.05	252	1723013	42.869	nq	99
89) Benzo(k)fluoranthene	15.08	252	1534020	39.846	nq	99
90) Benzo(a)pyrene	15.42	252	1552283	42.922	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	1286420	44.136	nq	99
92) Benzo(g,h,i)perylene	17.40	276	1233751	44.866	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

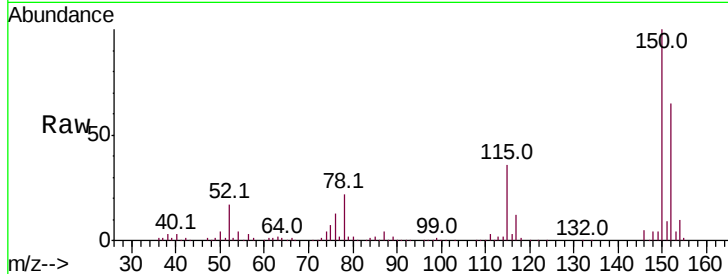
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.4	191.0
115	56.4	45.5	68.3

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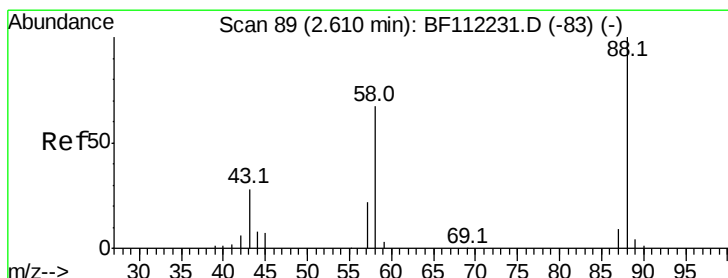
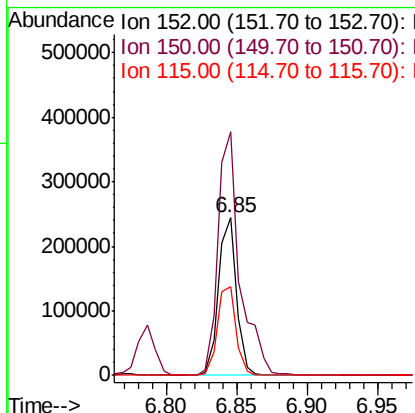
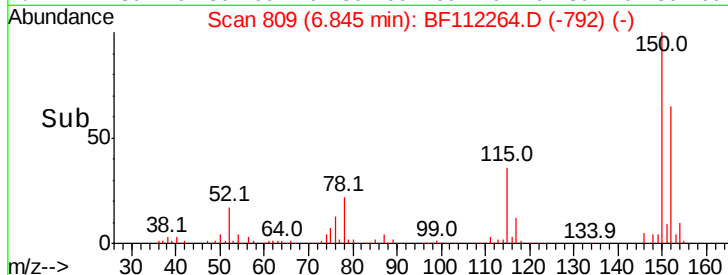


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

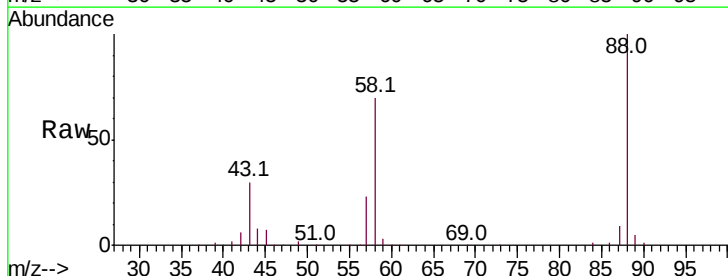
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 74.728 ng
RT: 2.70 min Scan# 104
Delta R.T. 0.09 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	57.4	86.2
43	28.0	22.2	33.4

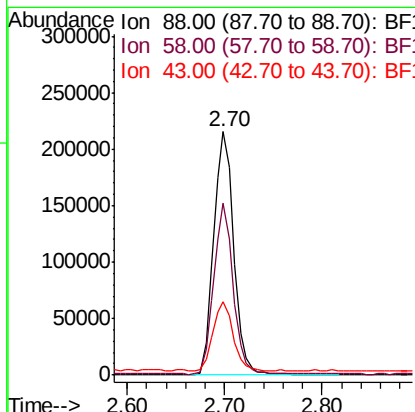
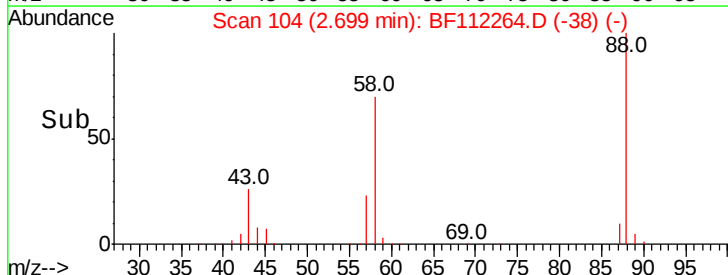


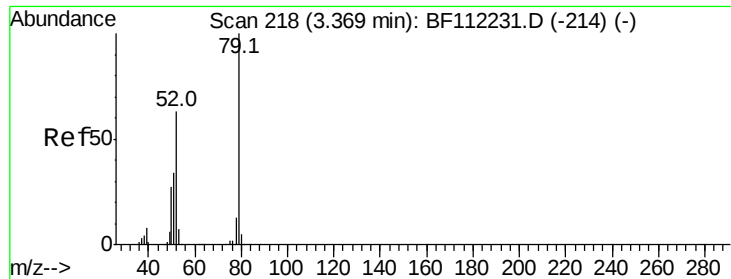
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 44.827 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.08 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

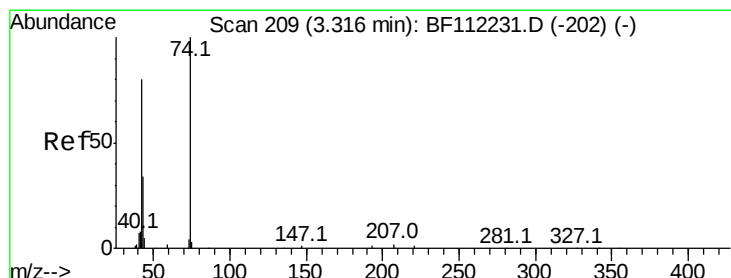
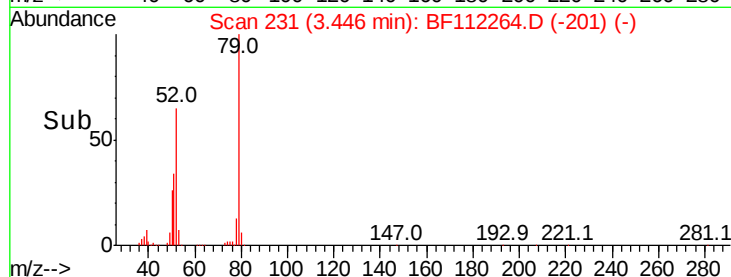
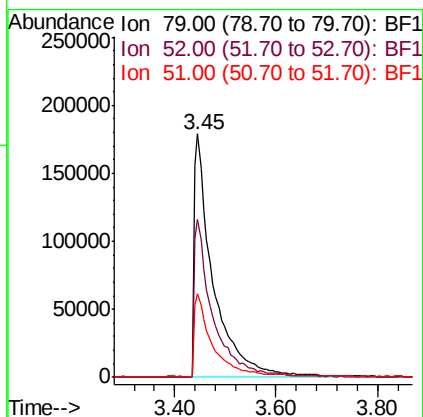
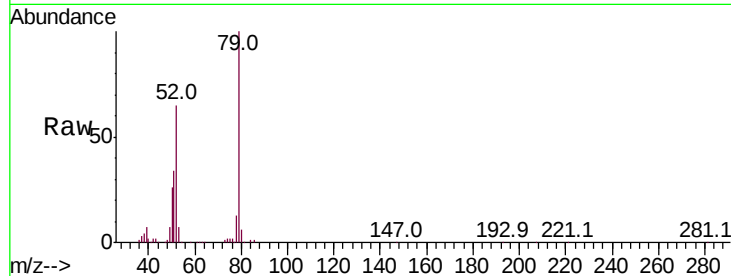
ClientSampleId :

PB116607BS

Tot Ion:	79	Resp:	465679
Ion	Ratio	Lower	Upper
79	100		
52	64.8	52.4	78.6
51	34.1	26.1	39.1

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#4

n-Nitrosodimethylamine

Concen: 47.390 ng

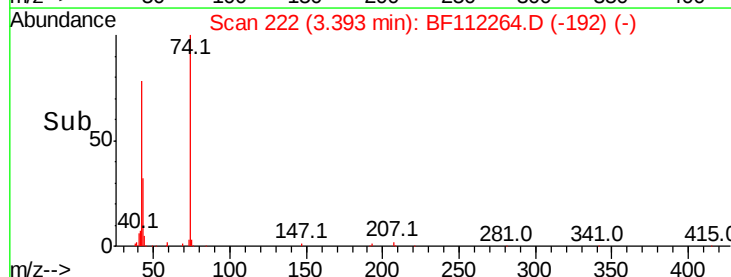
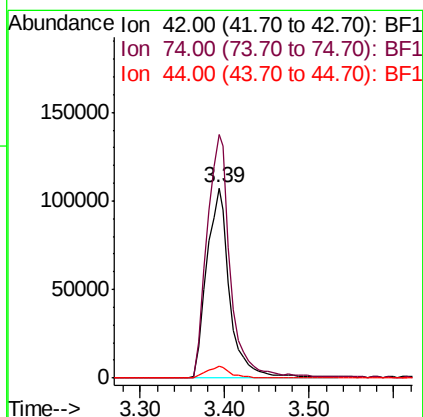
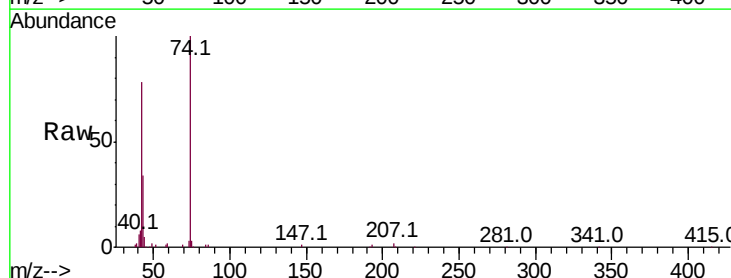
RT: 3.39 min Scan# 222

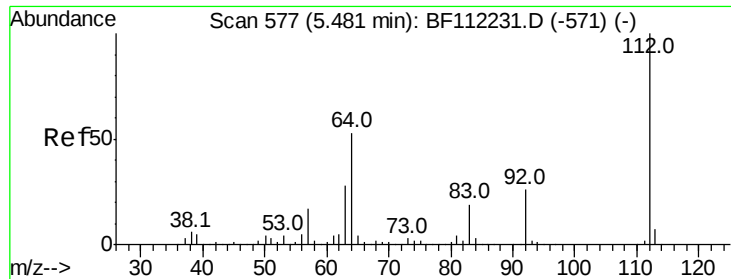
Delta R.T. 0.08 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion:	42	Resp:	206833
Ion	Ratio	Lower	Upper
42	100		
74	128.1	105.6	158.4
44	6.0	5.4	8.2





#5

2-Fluorophenol

Concen: 142.215 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion: 112 Resp: 1457942

Ion Ratio Lower Upper

112 100

64 56.8 45.7 68.5

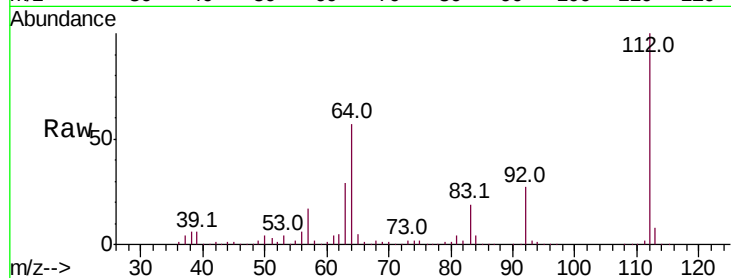
63 29.4 23.6 35.4

Manual Integrations

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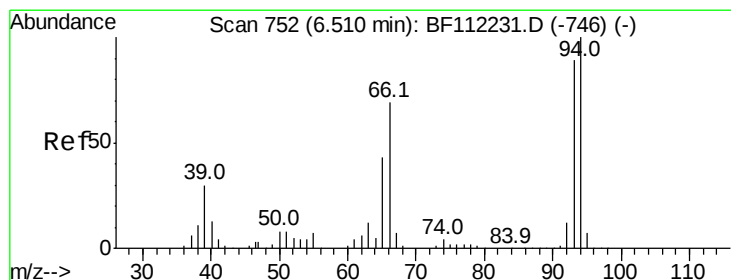
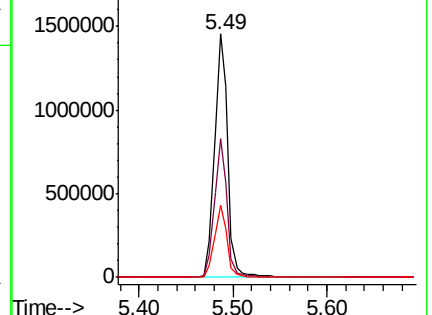
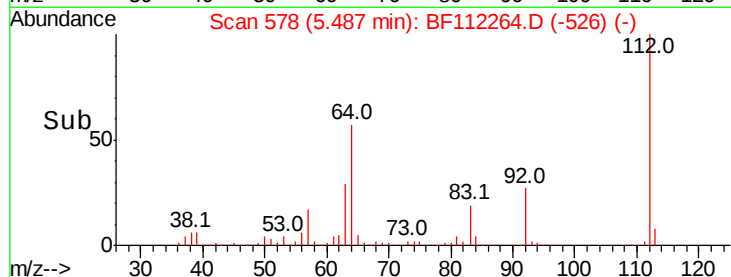
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.584 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

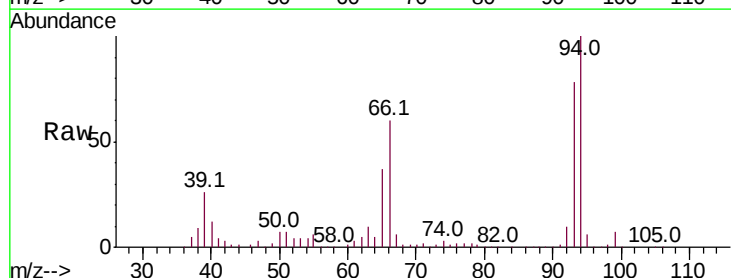
Tgt Ion: 93 Resp: 518259

Ion Ratio Lower Upper

93 100

66 77.2 43.4 65.2#

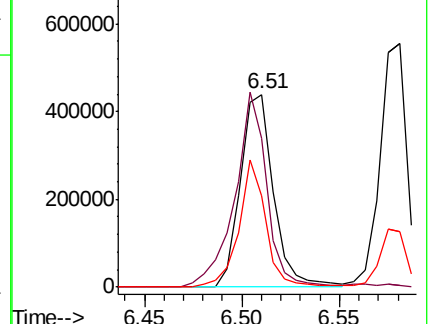
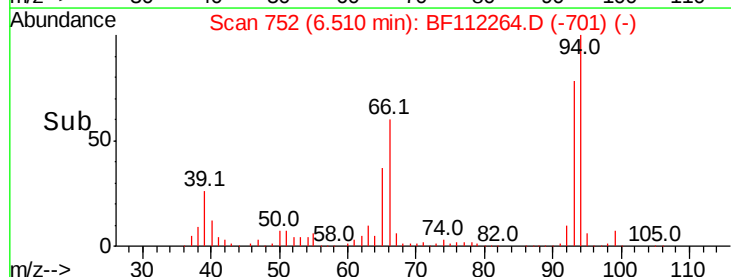
65 47.5 25.3 37.9#

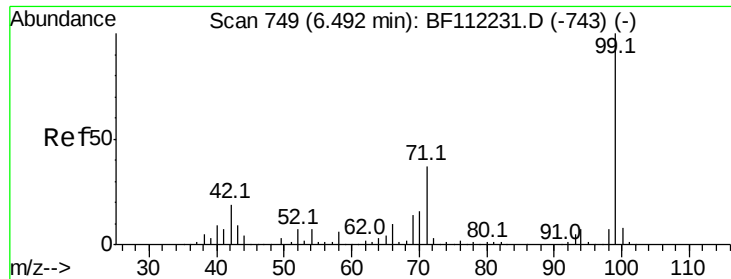


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.881 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion: 99 Resp: 1835931

Ion Ratio Lower Upper

99 100

42 18.2 15.1 22.7

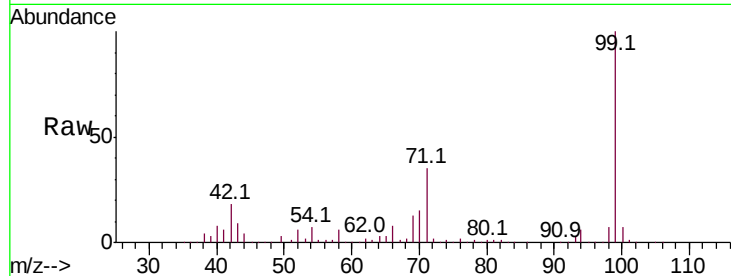
71 34.6 26.9 40.3

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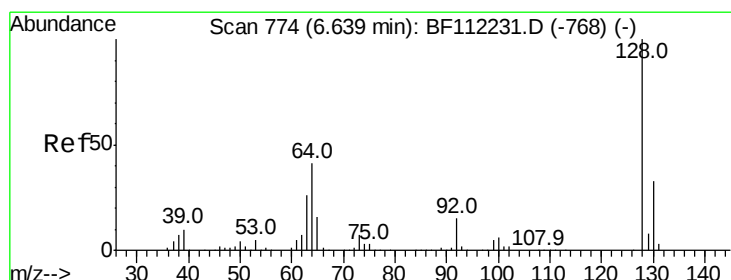
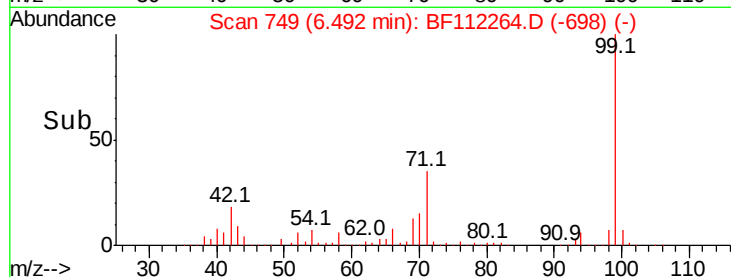
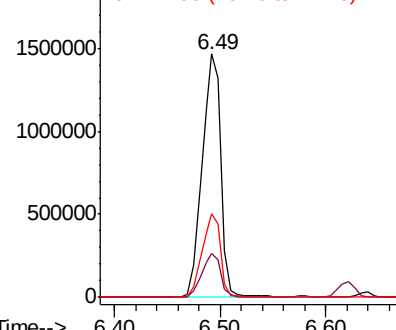
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.568 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

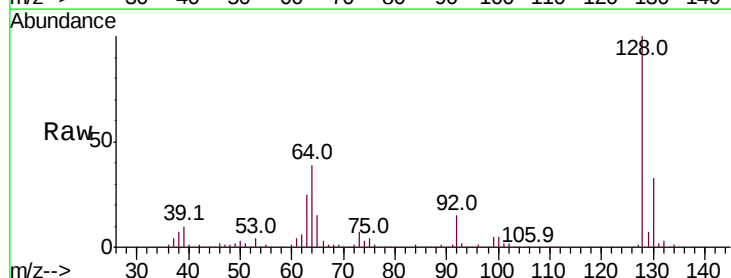
Tgt Ion:128 Resp: 587060

Ion Ratio Lower Upper

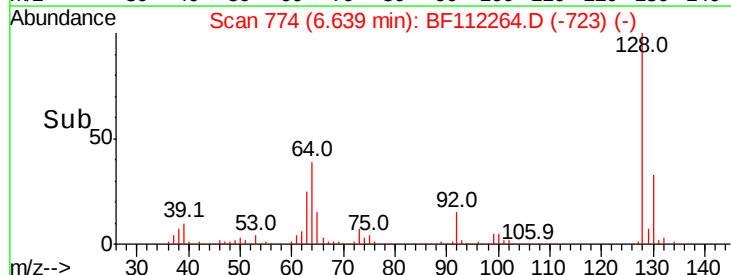
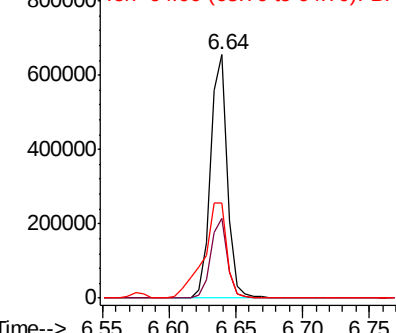
128 100

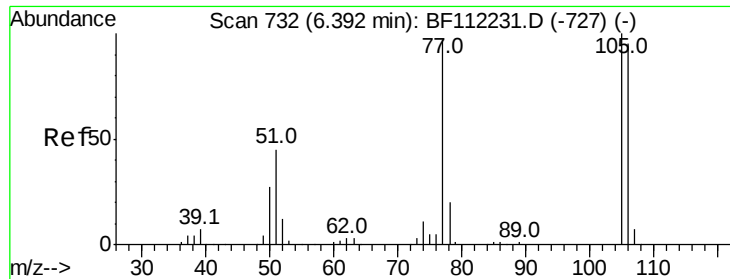
130 33.0 13.4 53.4

64 39.2 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
800000
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.780 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

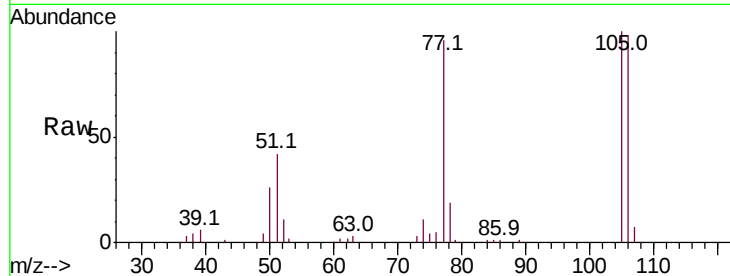
ClientSampleId :

PB116607BS

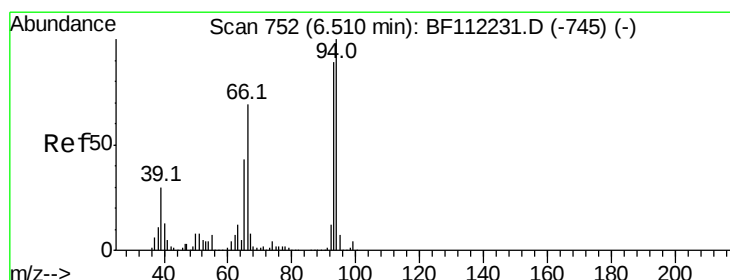
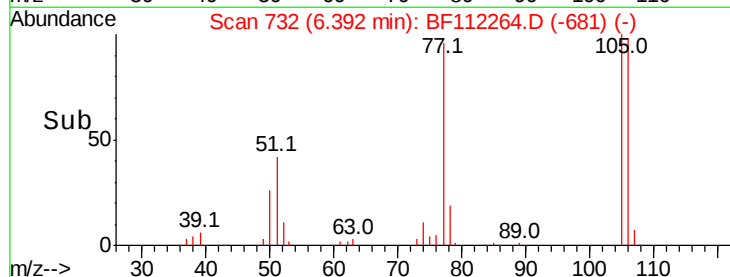
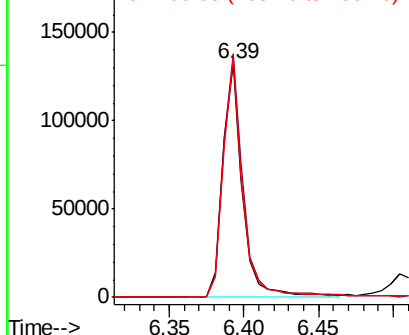
Tot Ion:	77	Resp:	124936
Ion	Ratio	Lower	Upper
77	100		
105	104.2	80.8	120.8
106	102.5	75.7	115.7

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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 42.483 ng

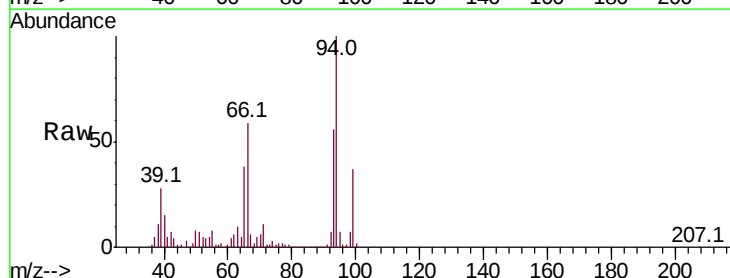
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

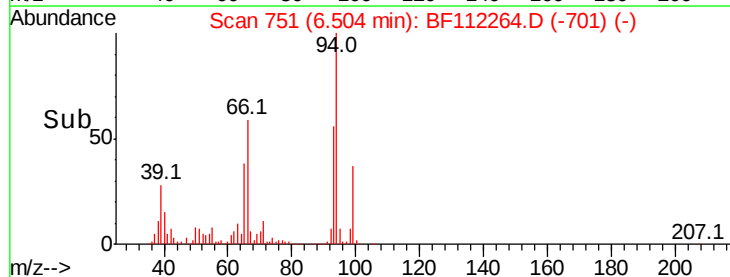
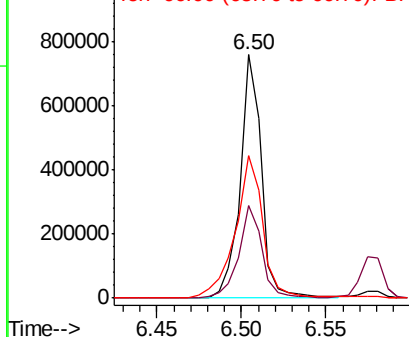
Lab File: BF112264.D

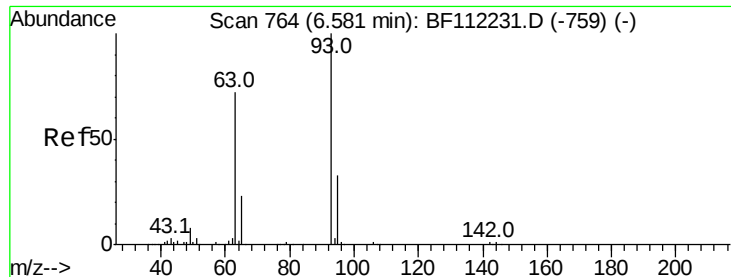
Acq: 28 Jan 2019 10:23

Tgt Ion:	94	Resp:	663948
Ion	Ratio	Lower	Upper
94	100		
65	38.1	20.3	60.3
66	58.6	42.4	82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





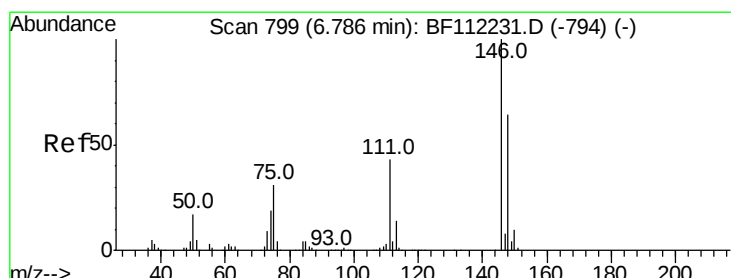
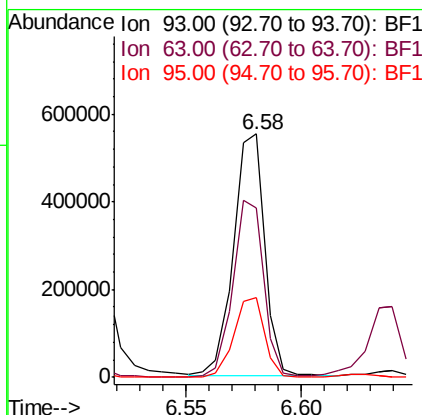
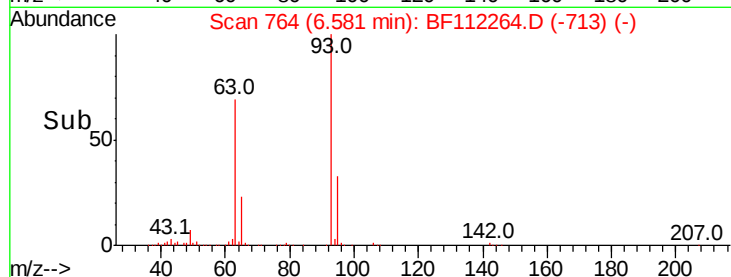
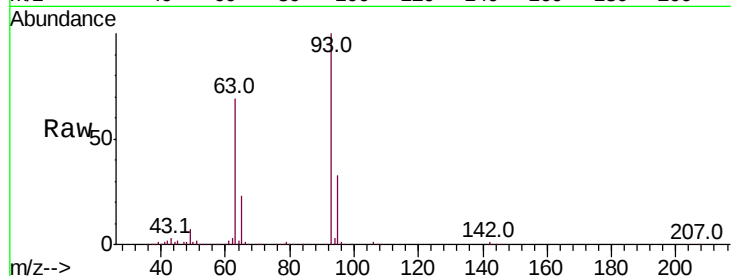
#11
bis(2-Chloroethyl)ether
Concen: 42.542 ng
RT: 6.58 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	523441		
63	69.5	53.3	93.3	
95	32.8	13.4	53.4	

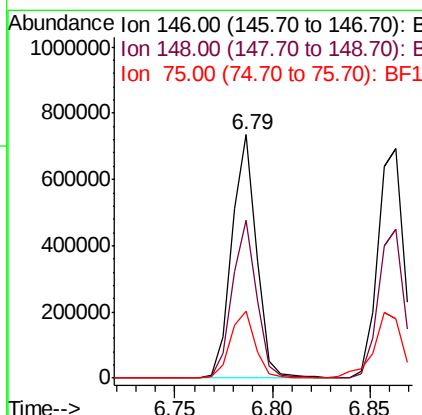
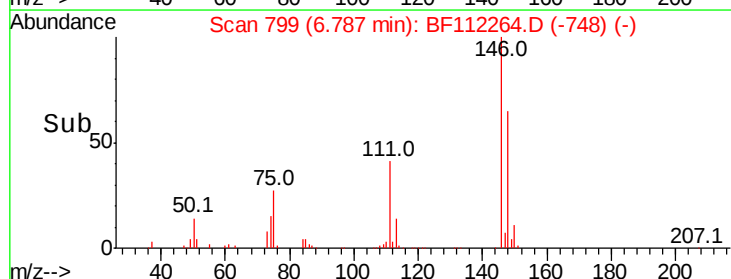
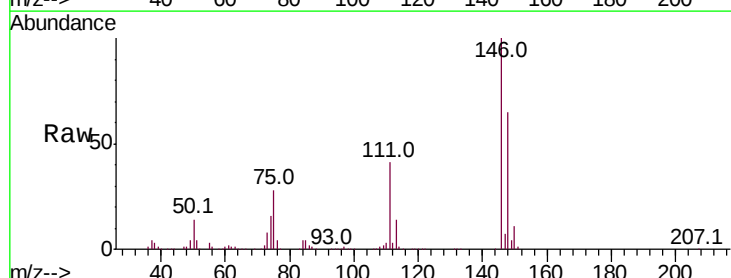
Manual Integrations
APPROVED

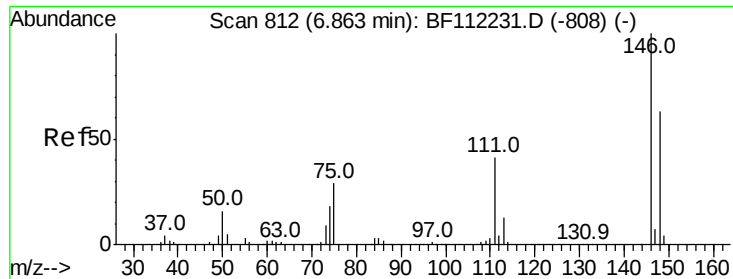
mohammad
1/29/2019 9:34:44 AM



#12
1,3-Dichlorobenzene
Concen: 39.946 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	641582		
148	64.9	51.8	77.8	
75	27.5	23.1	34.7	





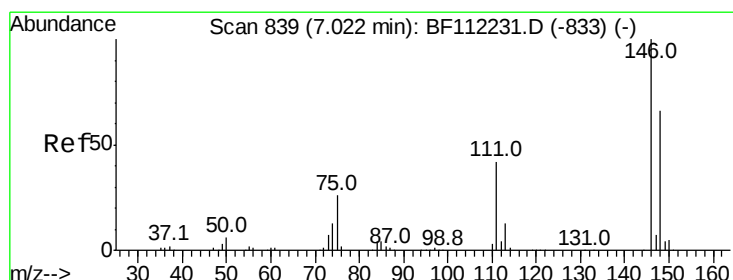
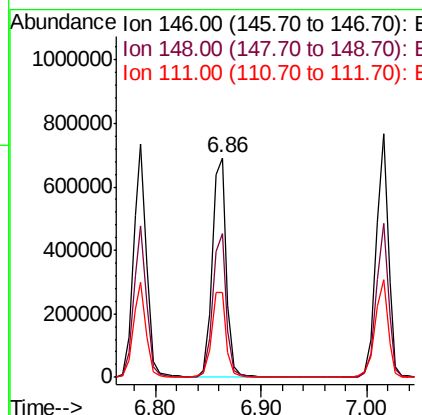
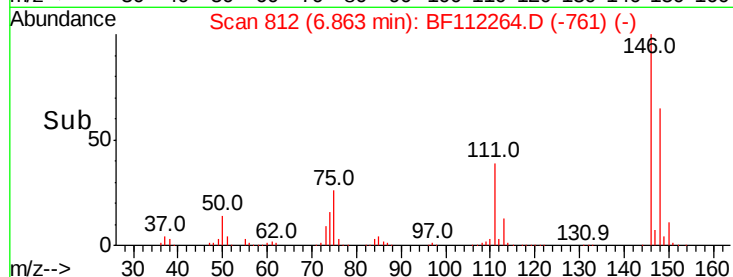
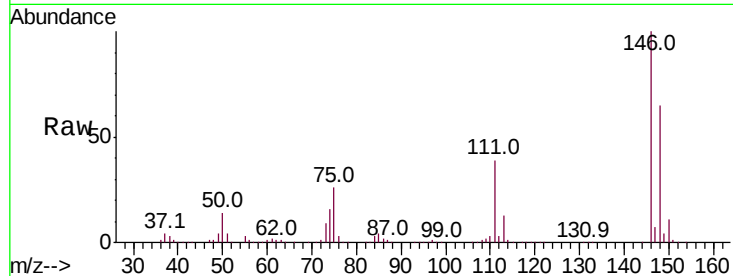
#13
1,4-Dichlorobenzene
Concen: 39.537 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampled :
PB116607BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.0	78.0
111	38.6	31.2	46.8

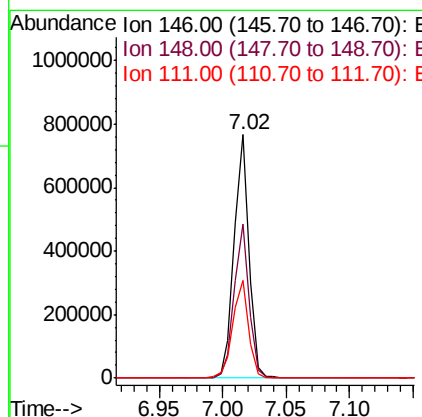
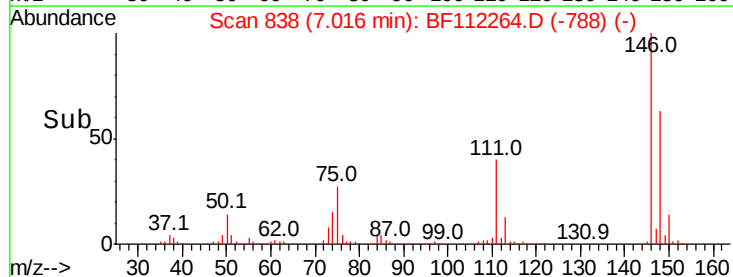
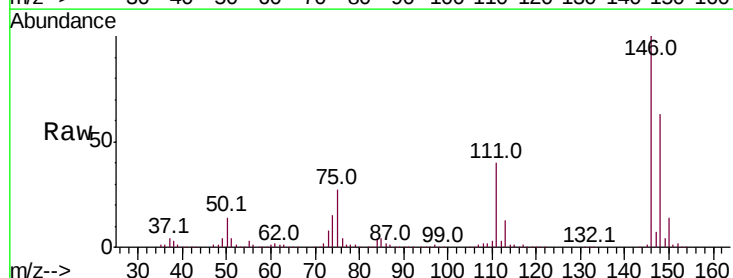
Manual Integrations
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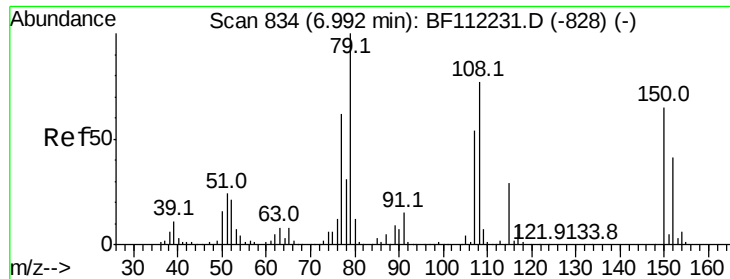
mohammad
1/29/2019 9:34:44 AM



#14
1,2-Dichlorobenzene
Concen: 39.691 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.2	78.4
111	39.9	31.2	46.8





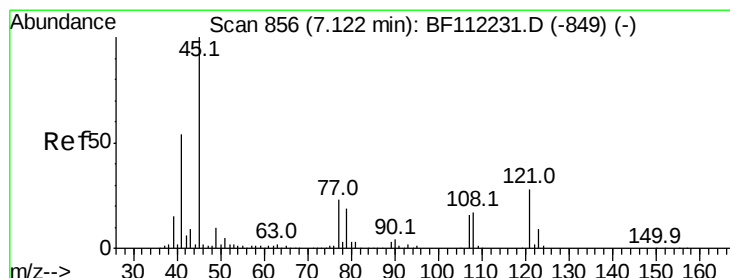
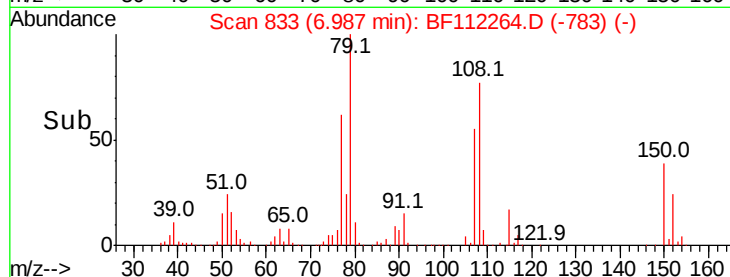
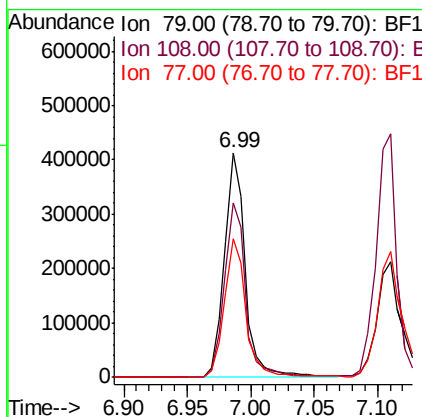
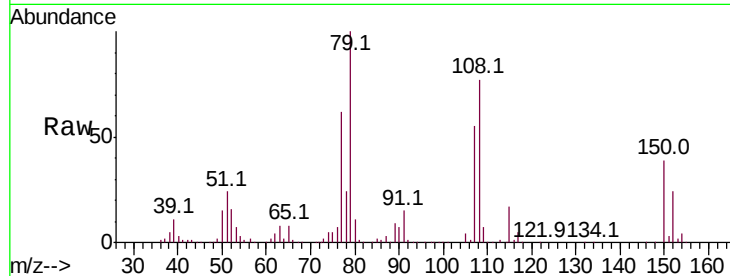
#15
Benzyl Alcohol
Concen: 39.253 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.4	64.2	96.2
77	61.6	50.3	75.5

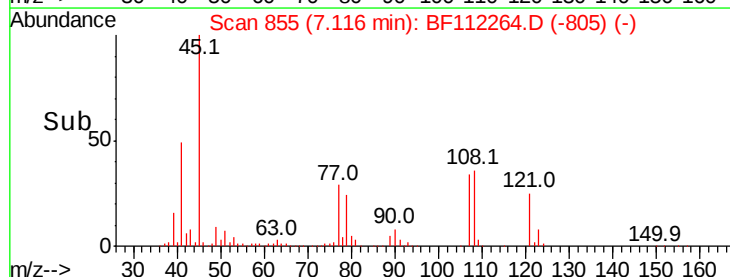
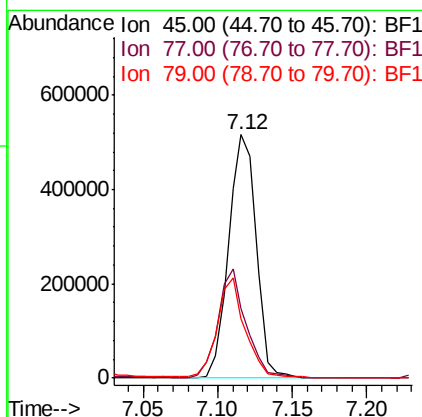
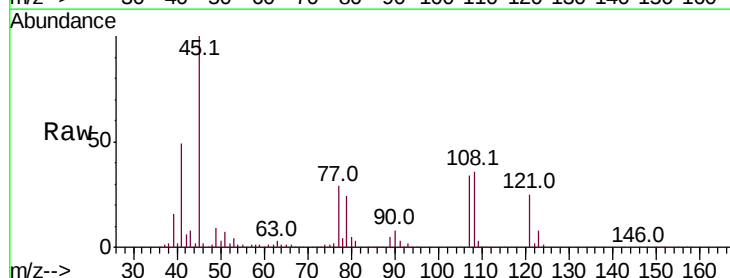
Manual Integrations
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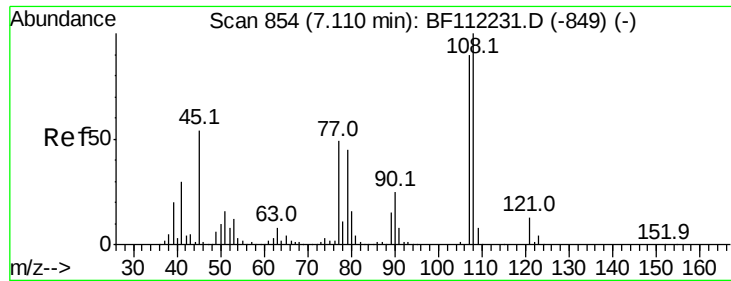
mohammad
1/29/2019 9:34:44 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.445 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
45	100		
77	28.8	0.0	36.9
79	24.3	0.0	34.0





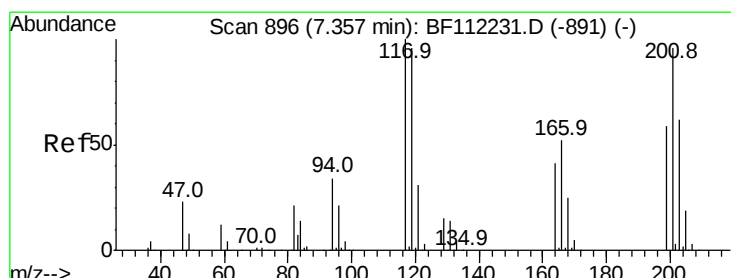
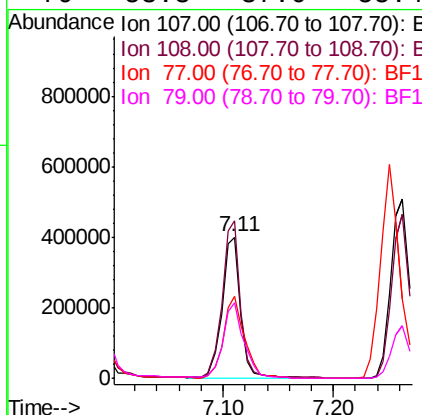
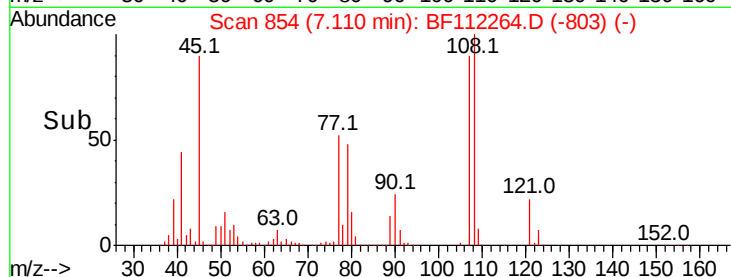
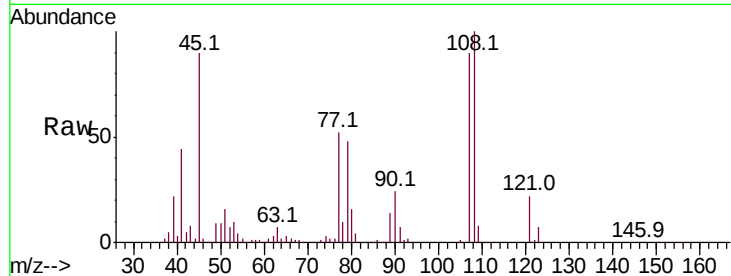
#17
2-Methylphenol
Concen: 42.807 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion:	107	Resp:	467985
Ion Ratio	Lower	Upper	
107	100		
108	111.7	91.3	136.9
77	57.5	39.0	58.6
79	53.3	37.0	55.4

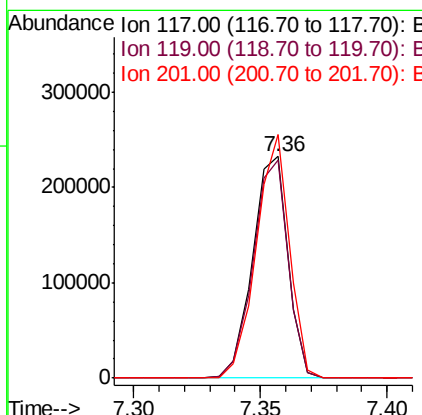
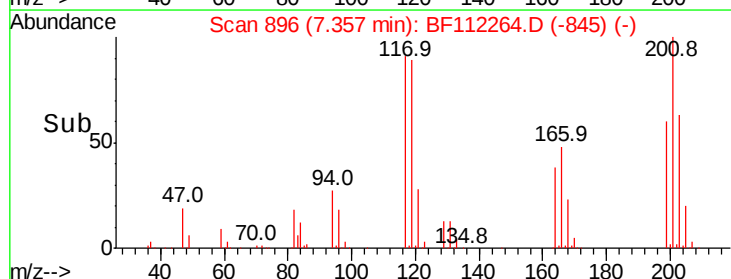
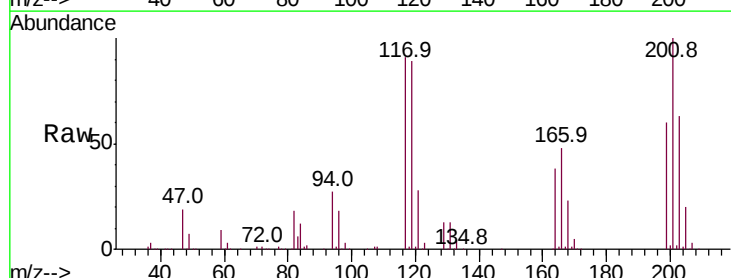
Manual Integrations
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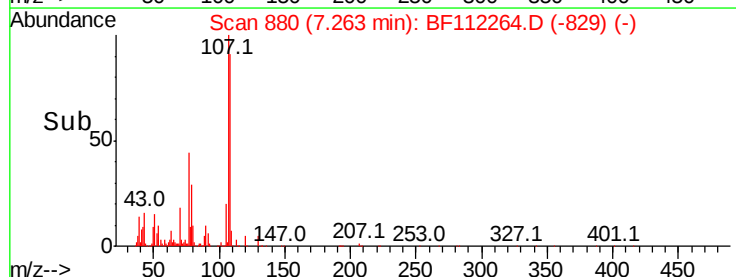
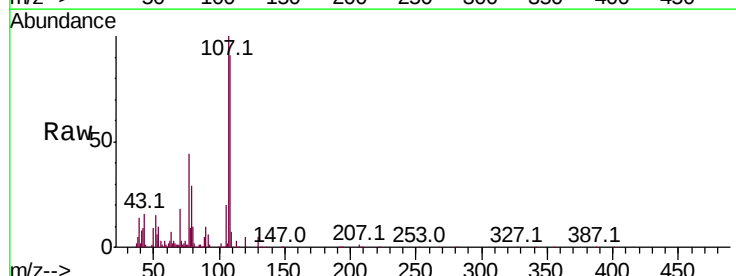
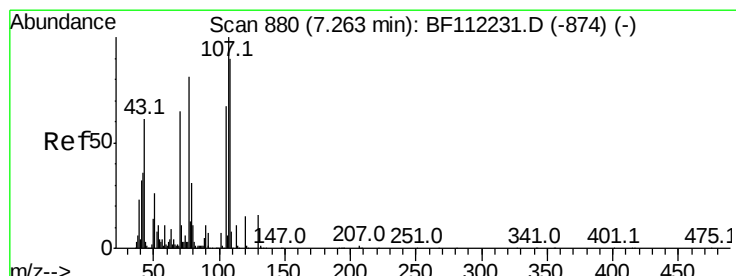
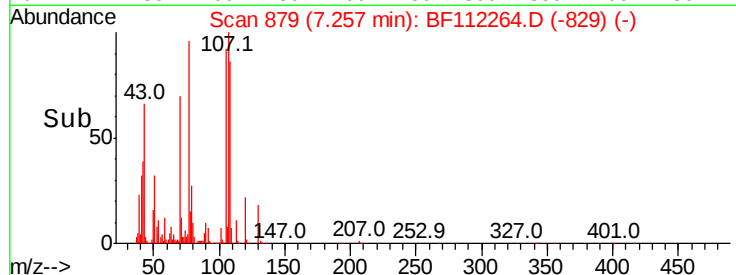
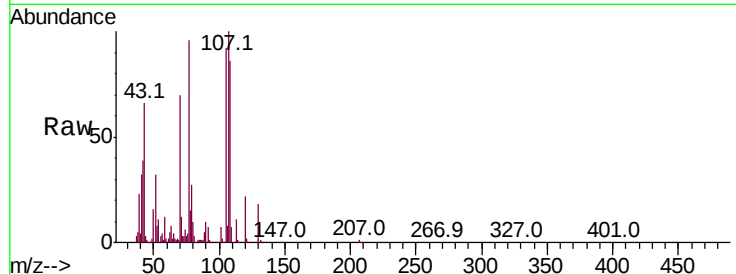
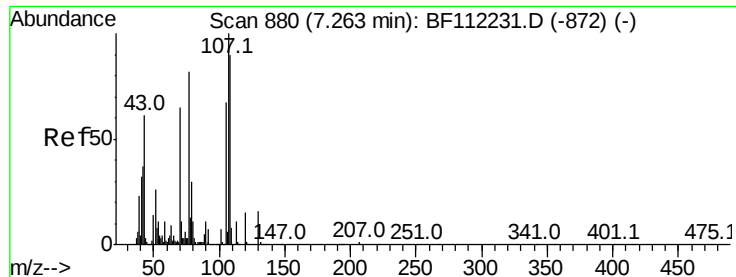
mohammad
1/29/2019 9:34:44 AM



#18
Hexachloroethane
Concen: 39.064 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion:	117	Resp:	226749
Ion Ratio	Lower	Upper	
117	100		
119	98.2	77.0	115.4
201	109.8	74.1	111.1





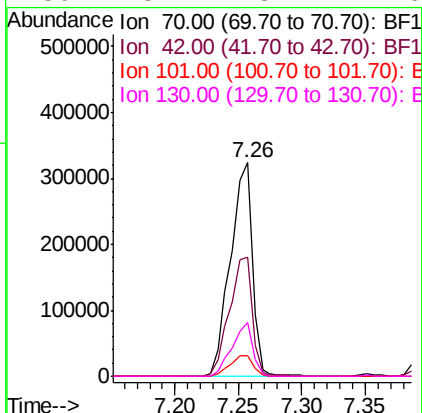
#19
n-Nitroso-di-n-propylamine
Concen: 39.633 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.8	47.6	71.4
101	9.9	7.9	11.9
130	25.2	18.4	27.6

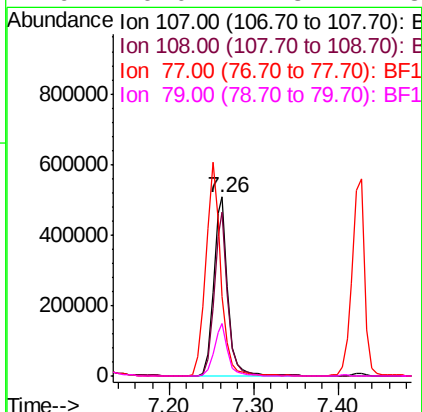
Manual Integrations
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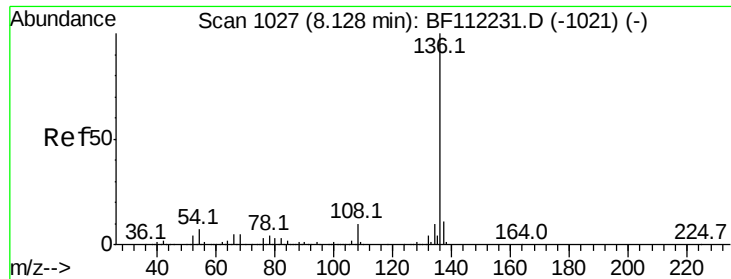
mohammad
1/29/2019 9:34:44 AM



#20
3+4-Methylphenols
Concen: 42.884 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.2	68.2	108.2
77	44.4	100.7	140.7#
79	29.0	7.3	47.3





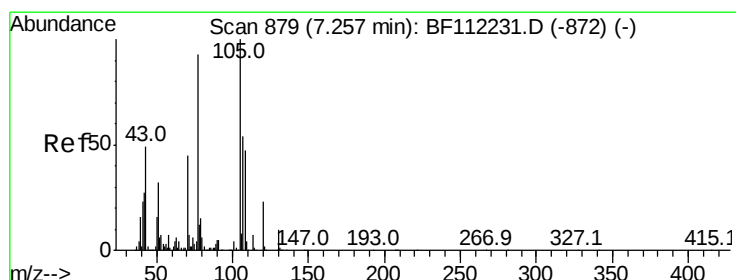
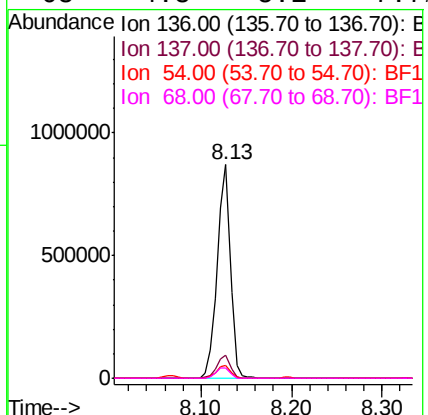
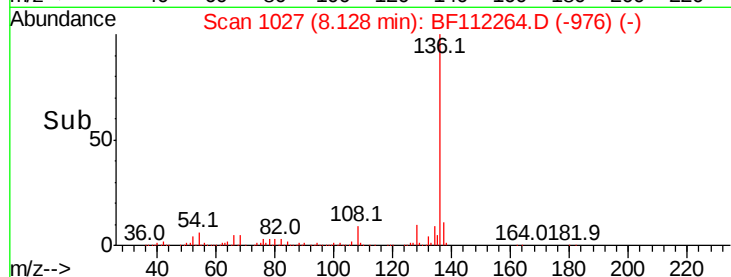
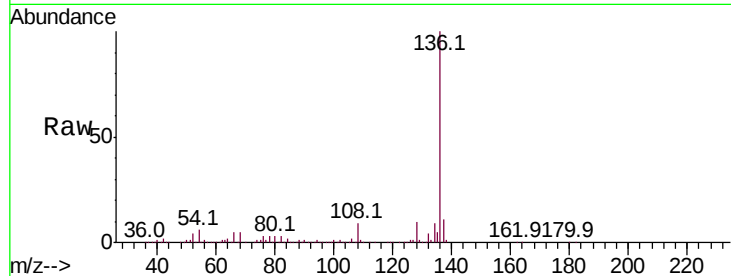
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.1	13.7	
54	6.1	5.9	8.9	
68	4.8	5.1	7.7#	

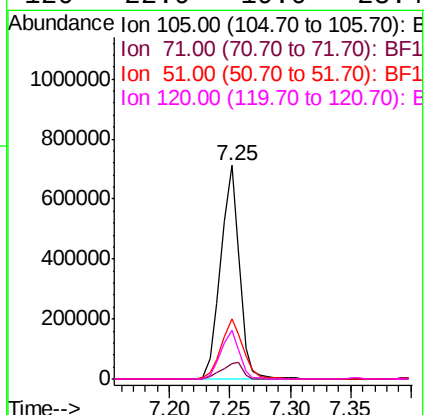
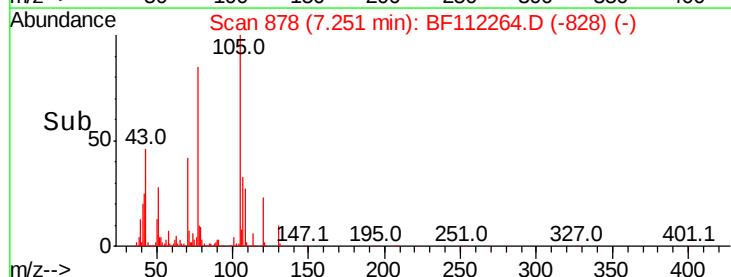
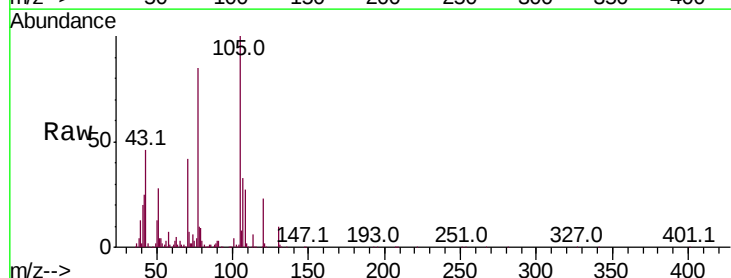
Manual Integrations
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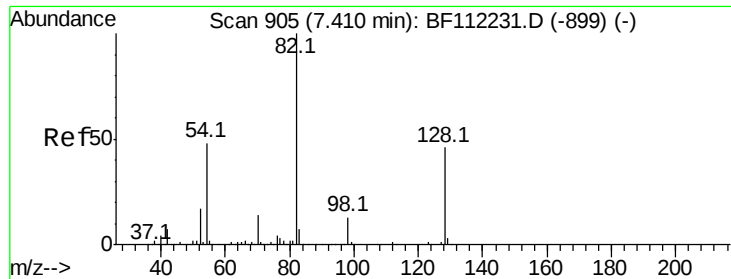
mohammad
1/29/2019 9:34:44 AM



#22
Acetophenone
Concen: 36.173 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.4	4.6	6.8#	
51	28.4	25.0	37.6	
120	22.9	19.0	28.4	





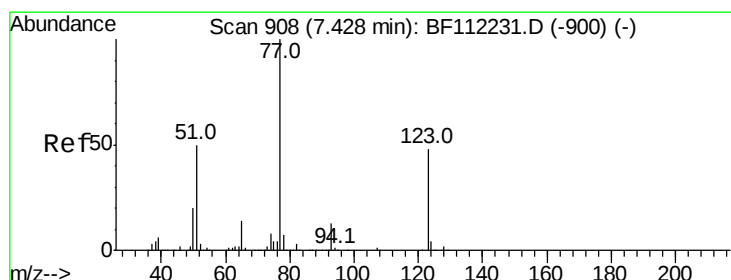
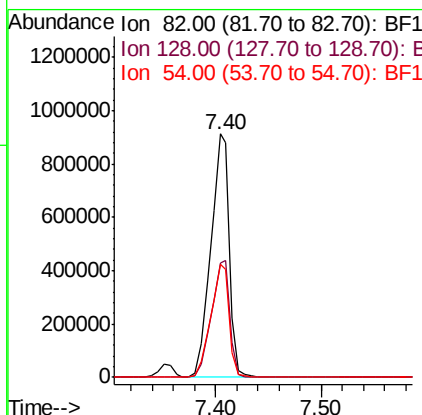
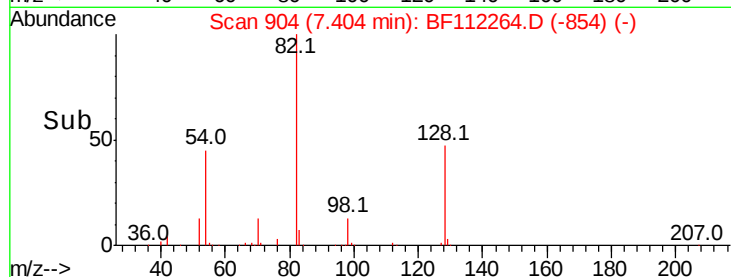
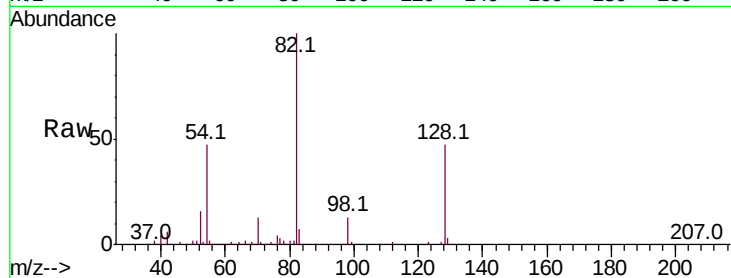
#23
 Nitrobenzene-d5
 Concen: 74.883 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Tot Ion: 82 Resp: 1127124
 Ion Ratio Lower Upper
 82 100
 128 46.9 37.8 56.8
 54 46.6 39.7 59.5

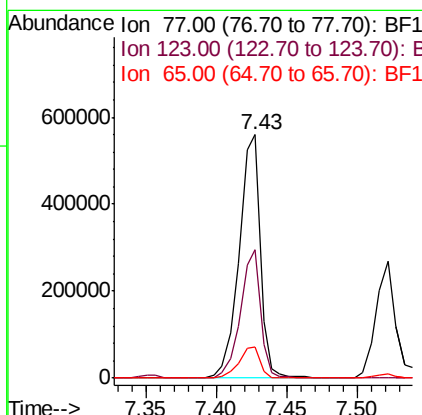
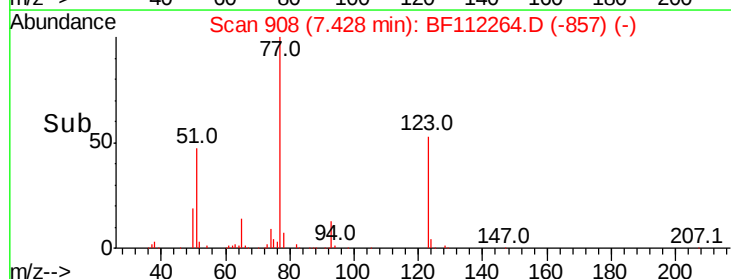
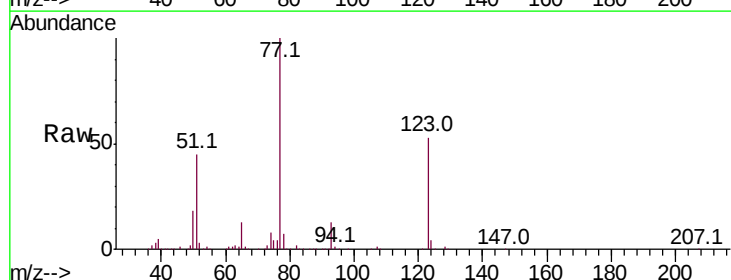
Manual Integrations
 APPROVED

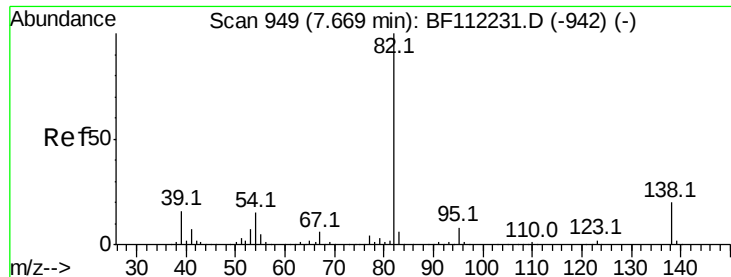
mohammad
 1/29/2019 9:34:44 AM



#24
 Nitrobenzene
 Concen: 38.938 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion: 77 Resp: 585336
 Ion Ratio Lower Upper
 77 100
 123 52.6 38.4 57.6
 65 13.1 10.6 15.8





#25

Isophorone

Concen: 44.897 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion: 82 Resp: 1060146

Ion Ratio Lower Upper

82 100

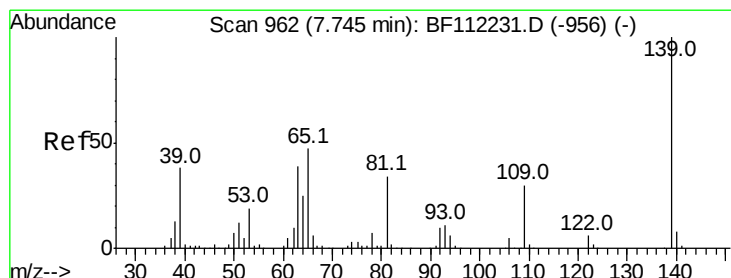
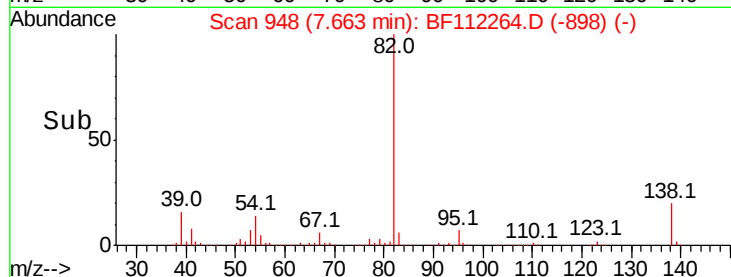
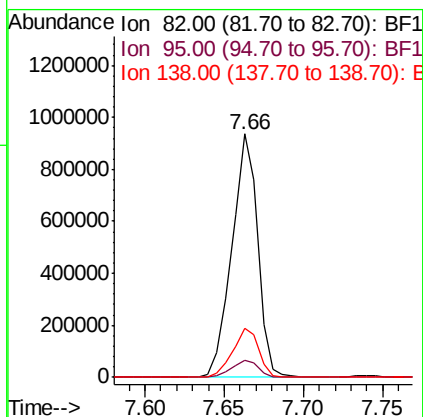
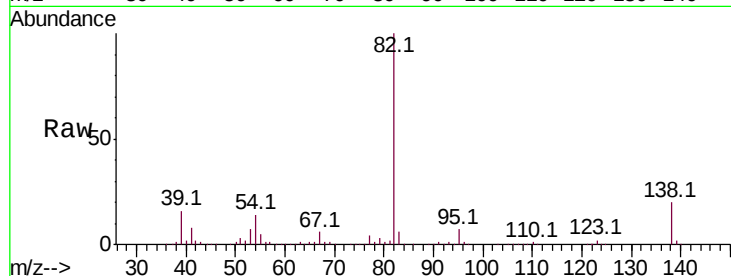
95 7.1 5.7 8.5

138 20.2 15.4 23.0

Manual Integrations
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mohammad

1/29/2019 9:34:44 AM



#26

2-Nitrophenol

Concen: 40.685 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

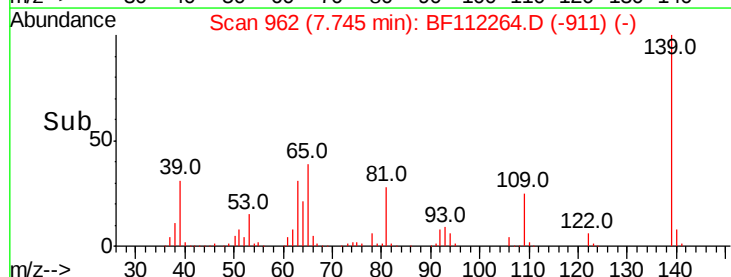
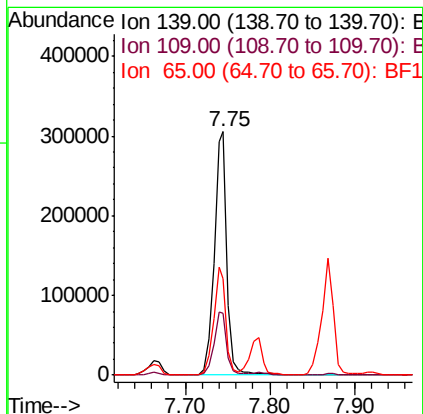
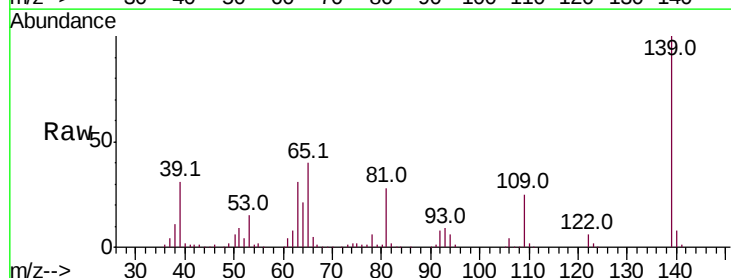
Tgt Ion: 139 Resp: 326844

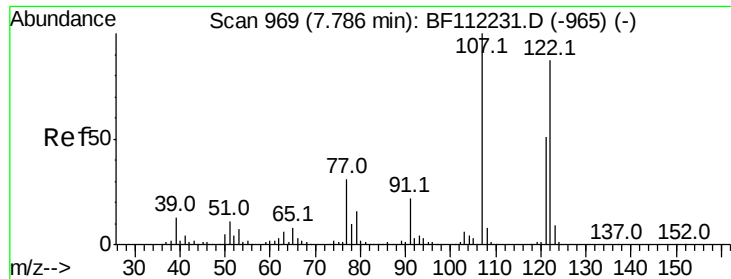
Ion Ratio Lower Upper

139 100

109 25.3 20.8 31.2

65 39.6 34.4 51.6





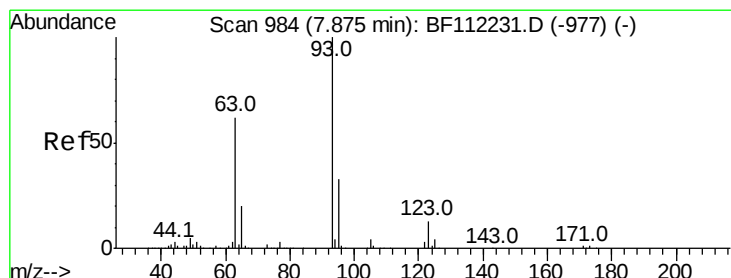
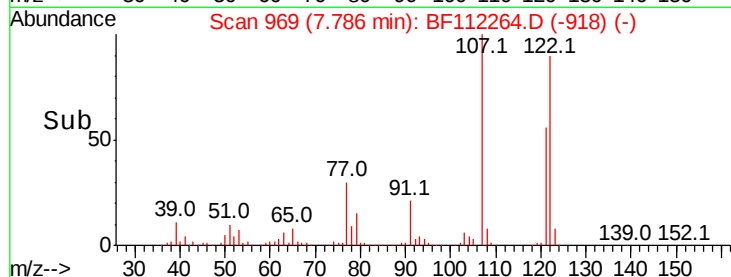
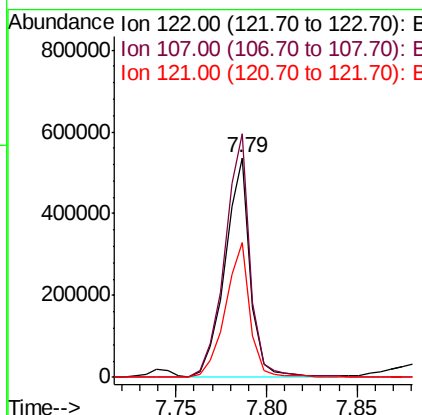
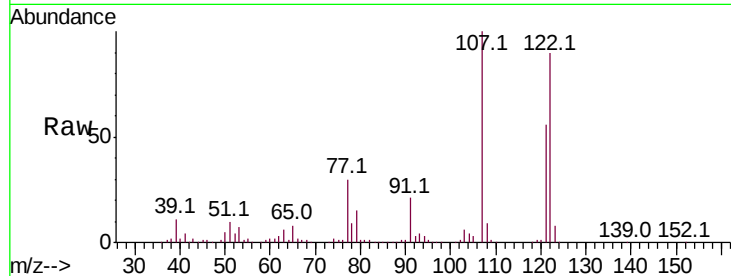
#27
2,4-Dimethylphenol
Concen: 46.951 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.7	85.4	128.0
121	61.5	47.0	70.4

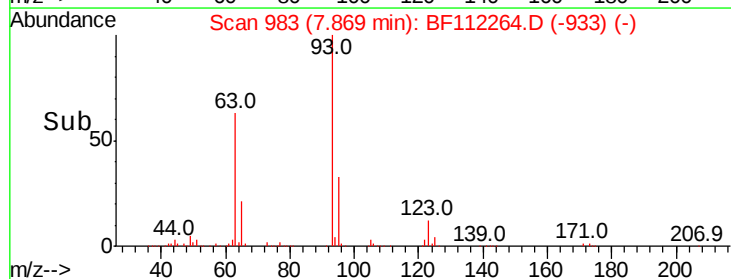
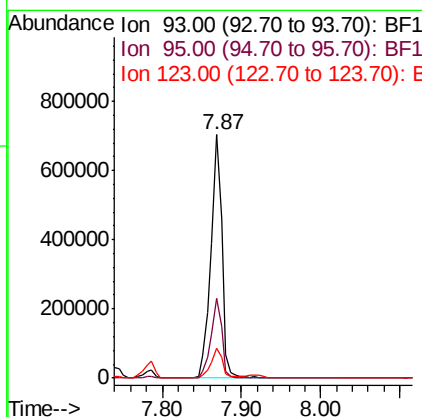
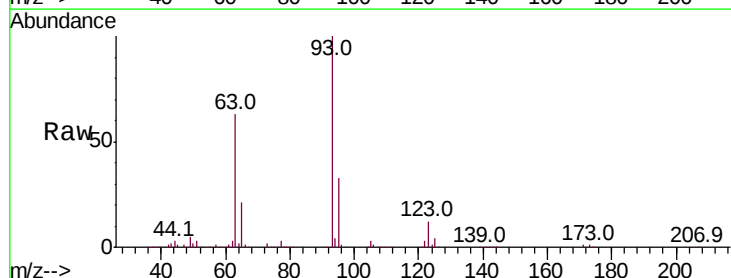
Manual Integrations
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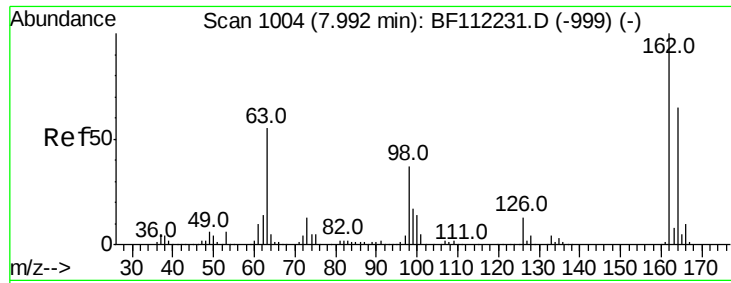
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 42.450 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.8	40.2
123	12.2	10.2	15.2





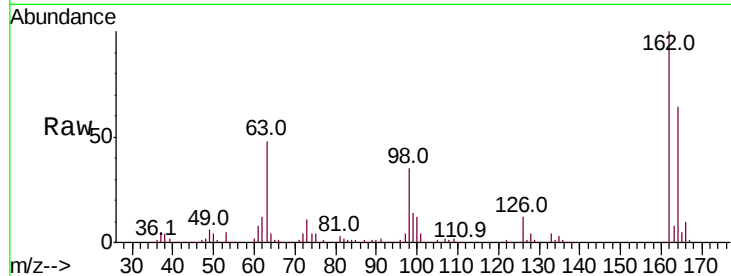
#29
 2,4-Dichlorophenol
 Concen: 42.273 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

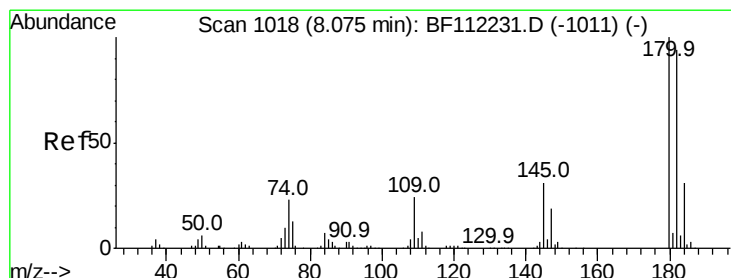
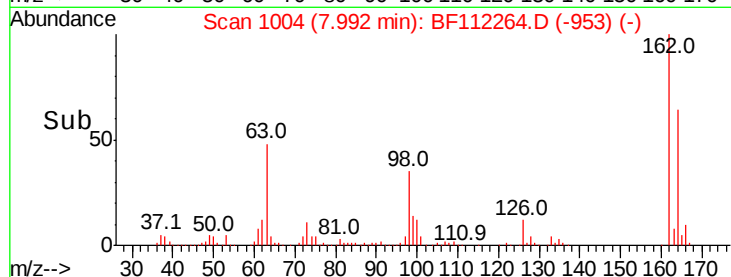
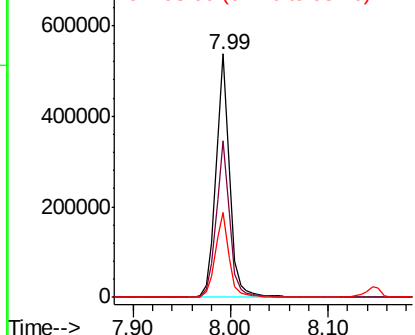
Tot Ion	Ratio	Resp	Lower	Upper
162	100	523601		
164	64.3		44.6	84.6
98	34.6		14.6	54.6

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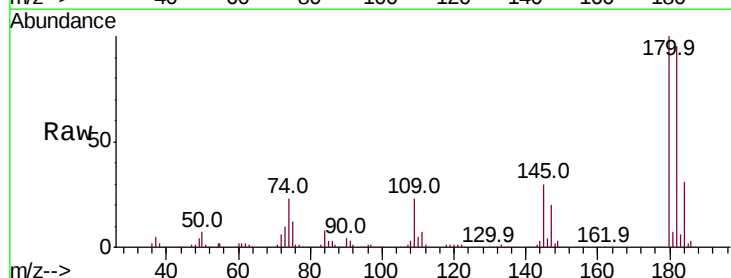


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

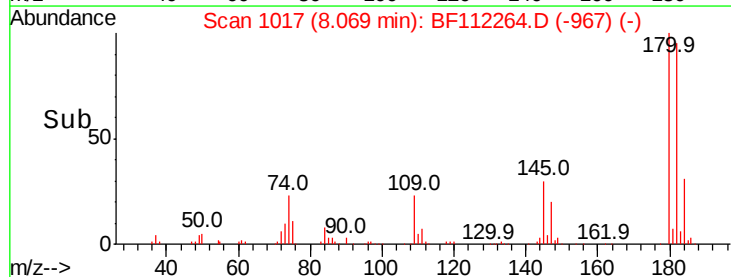
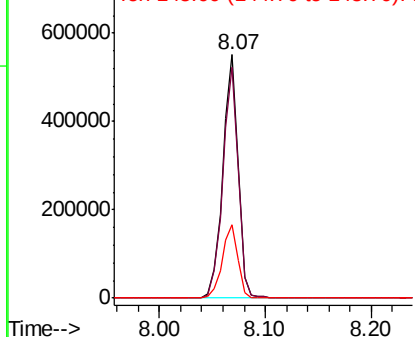


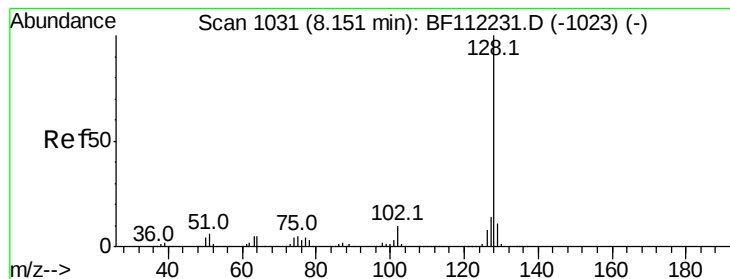
#30
 1,2,4-Trichlorobenzene
 Concen: 39.384 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	560726		
182	95.1		76.4	114.6
145	30.2		25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.176 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion:128 Resp: 1710574

Ion Ratio Lower Upper

128 100

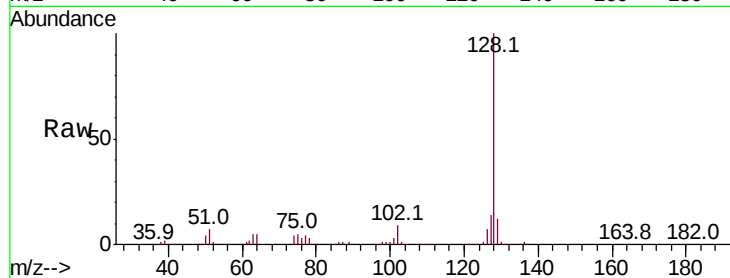
129 11.6 9.6 14.4

127 14.0 11.1 16.7

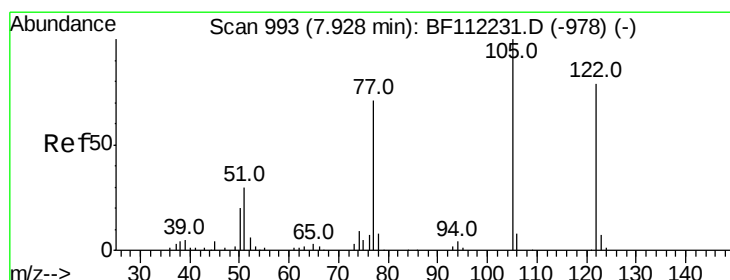
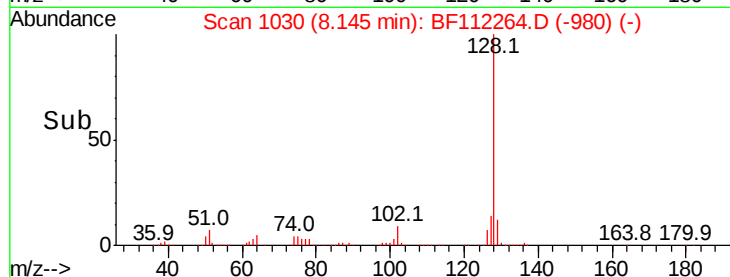
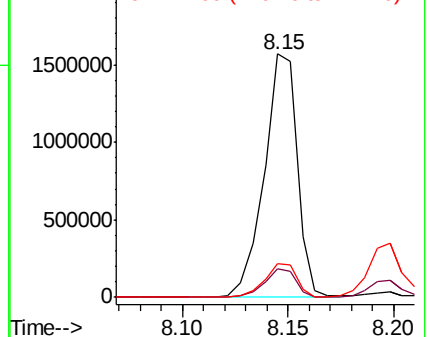
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.808 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

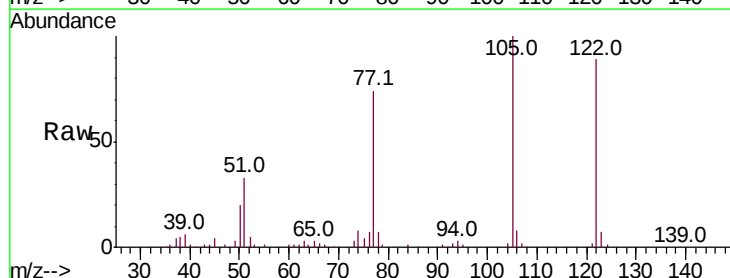
Tgt Ion:122 Resp: 251329

Ion Ratio Lower Upper

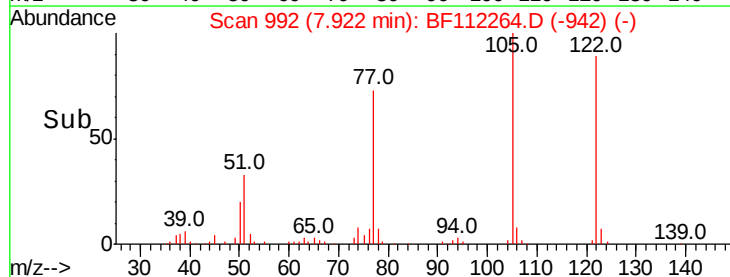
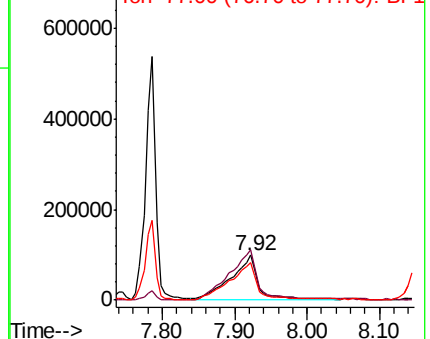
122 100

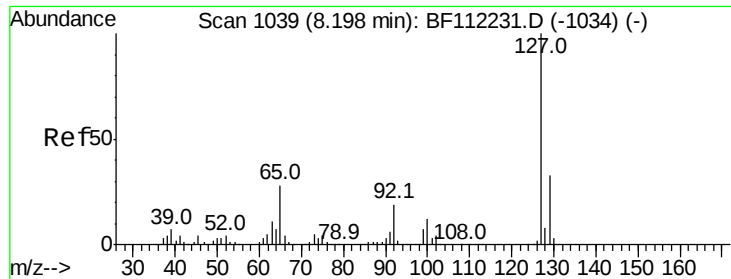
105 112.7 101.2 141.2

77 83.2 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





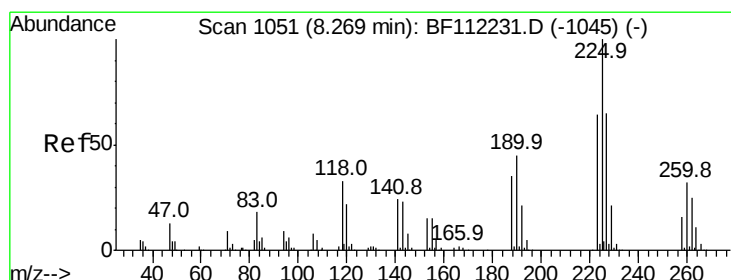
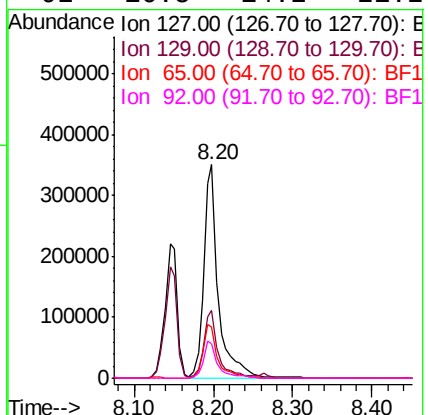
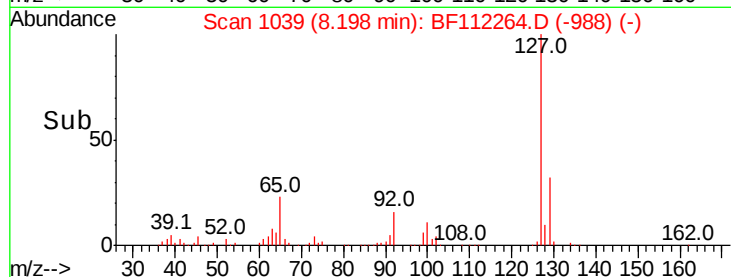
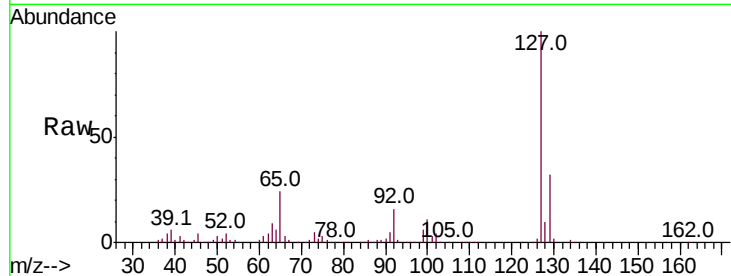
#33
4-Chloroaniline
Concen: 25.472 ng
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.6	39.8
65	24.2	21.4	32.2
92	16.5	14.2	21.2

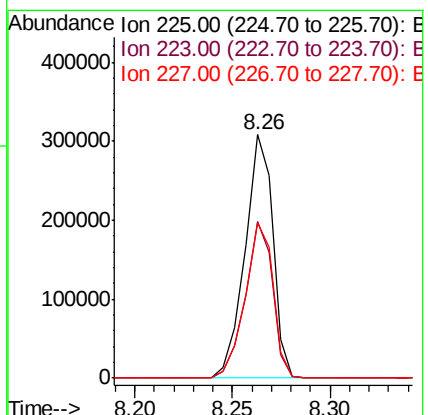
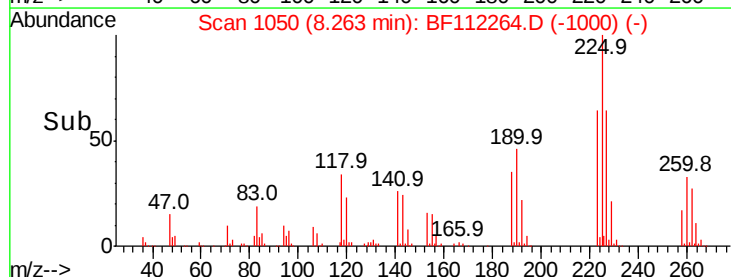
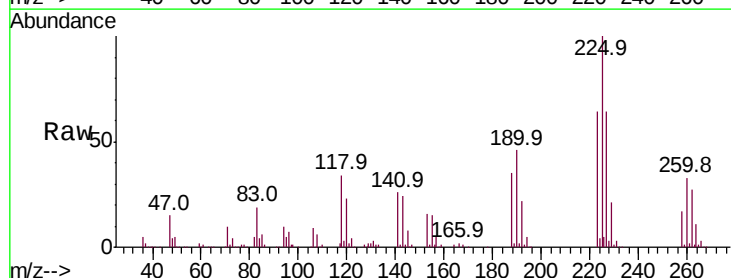
Manual Integrations
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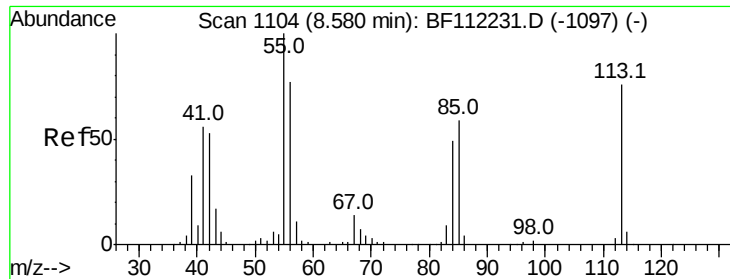
mohammad
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#34
Hexachlorobutadiene
Concen: 36.625 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.3	75.5
227	63.8	51.8	77.8





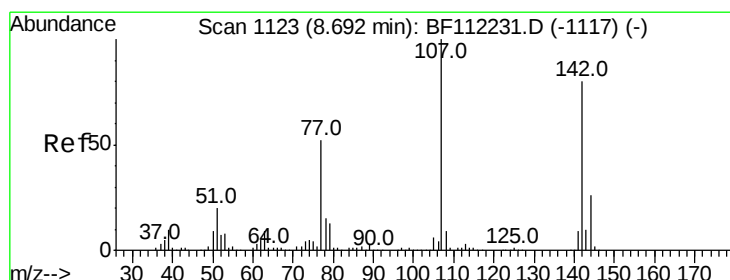
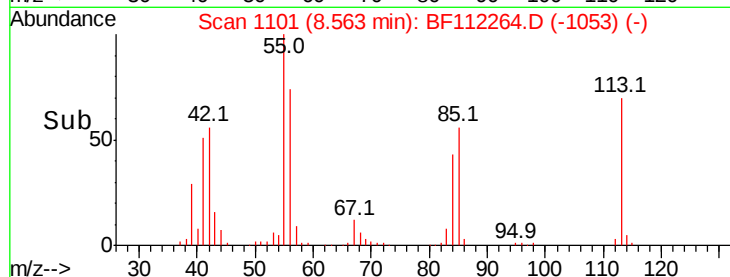
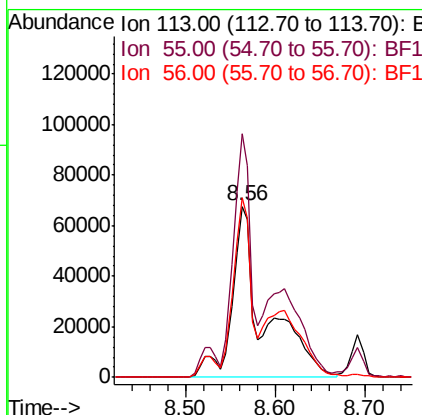
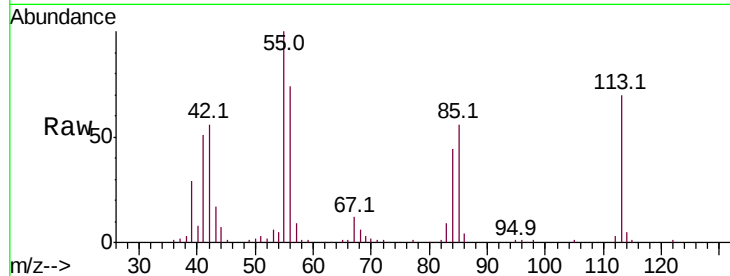
#35
Caprolactam
Concen: 38.867 ng/ml
RT: 8.56 min Scan# 1101
Delta R.T. -0.02 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	142.6	121.6	161.6	
56	105.5	86.7	126.7	

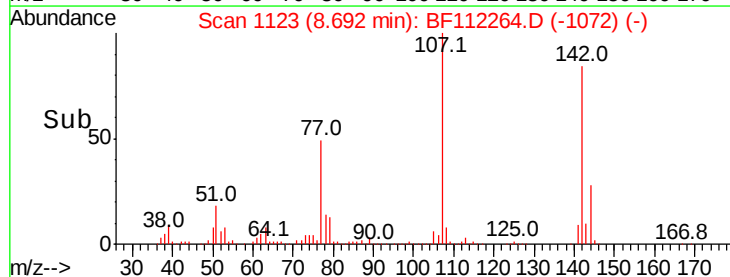
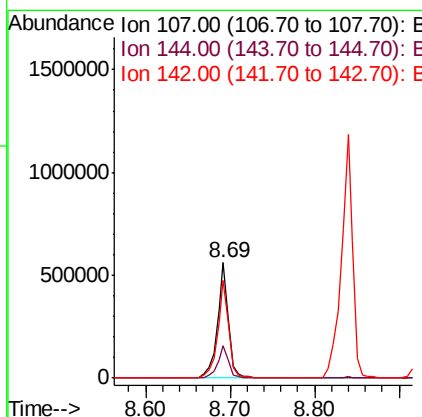
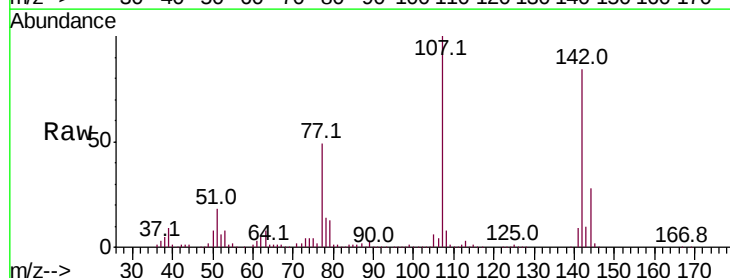
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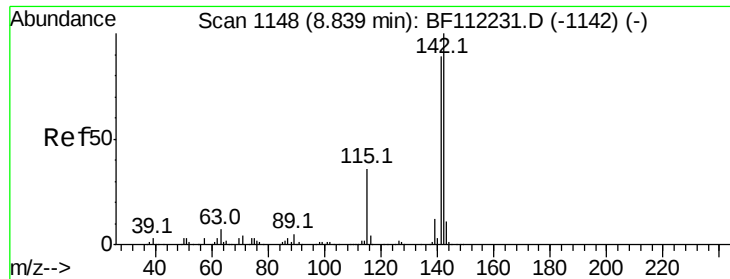
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 40.406 ng/ml
RT: 8.69 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	28.0	22.2	33.2	
142	84.4	67.7	101.5	





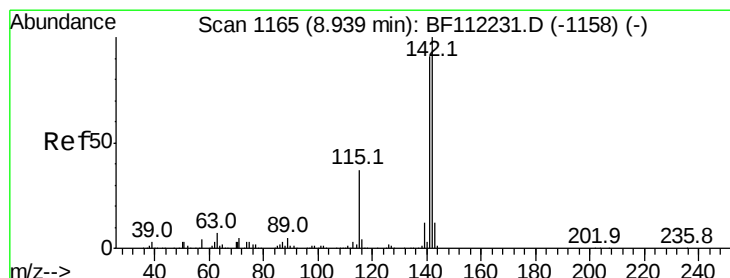
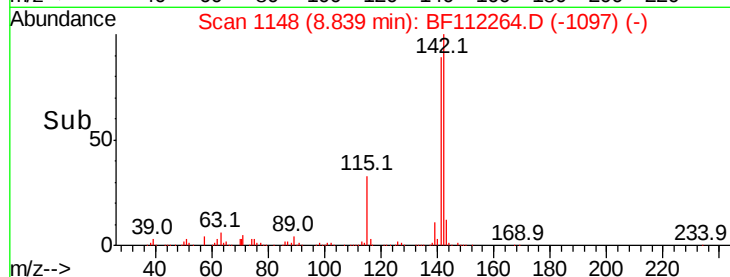
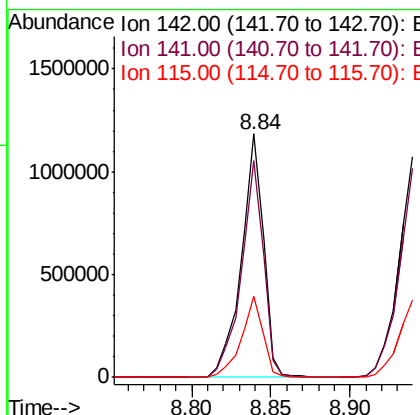
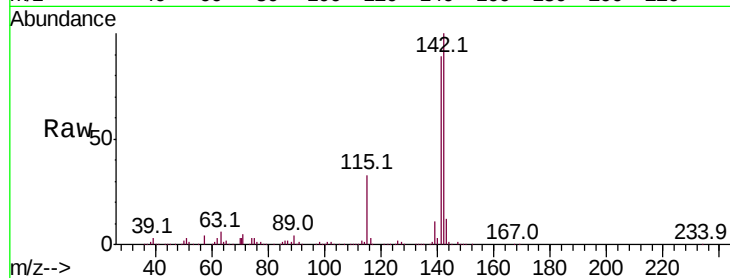
#37
2-Methylnaphthalene
Concen: 41.207 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	33.3	24.9	37.3

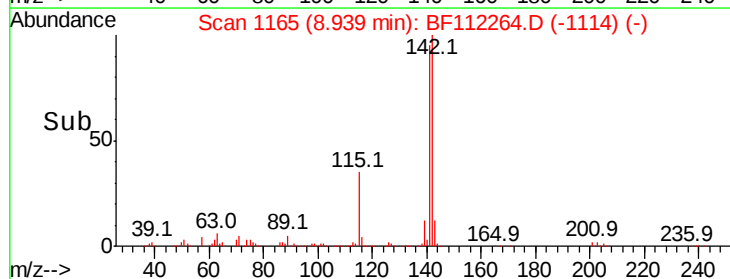
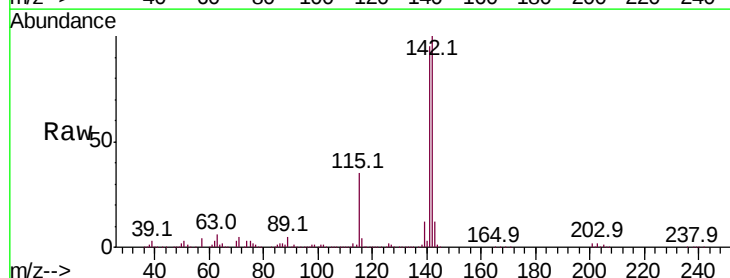
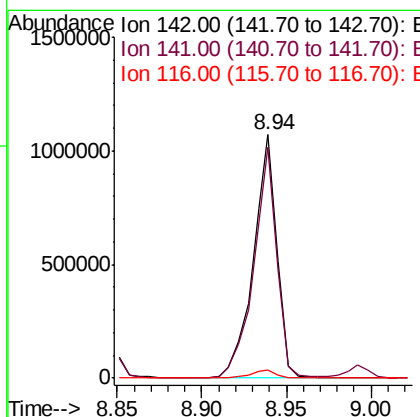
Manual Integrations
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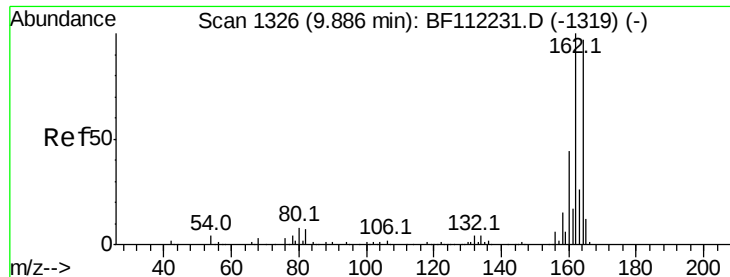
mohammad
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#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	72.6	108.8
116	3.6	2.8	4.2





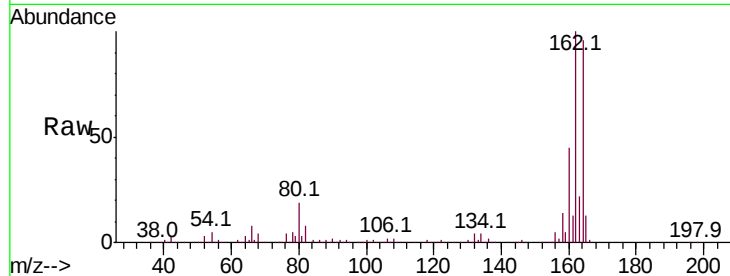
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	46.5	36.2	54.4

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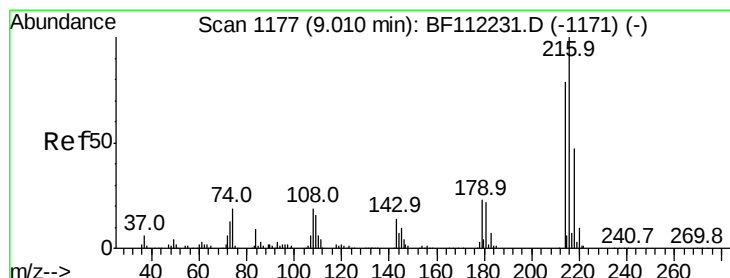
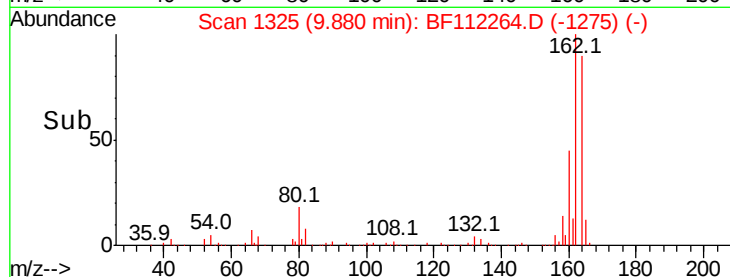
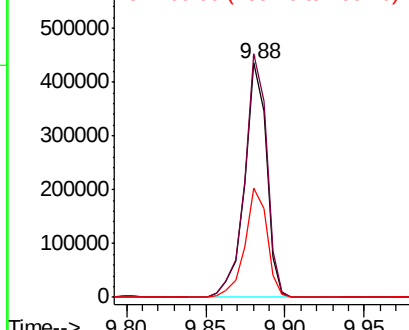


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.283 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.8	95.6
179	21.7	16.9	25.3
108	19.0	14.2	21.4

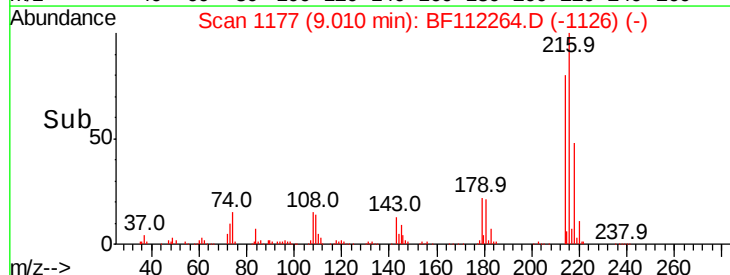
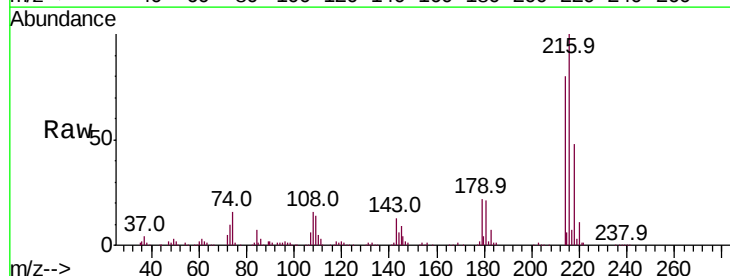
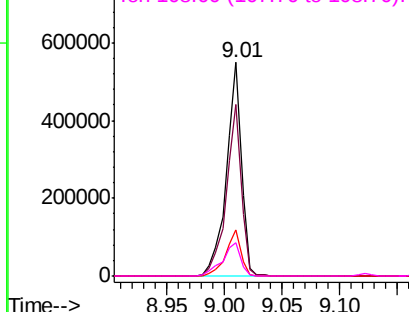
Abundance

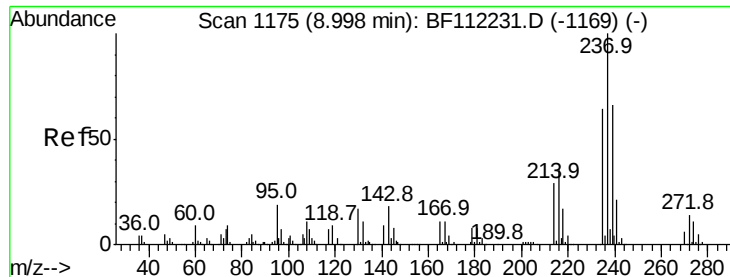
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 72.764 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

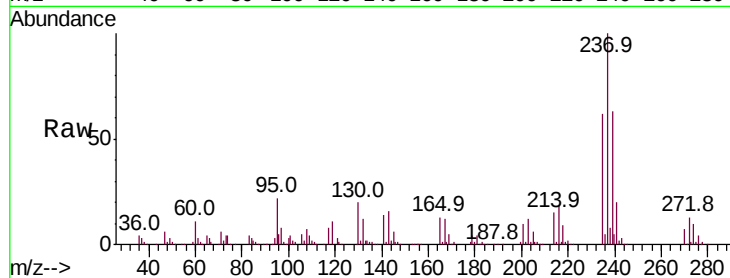
ClientSampleId :

PB116607BS

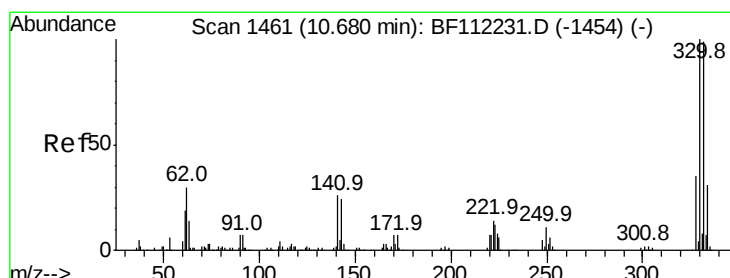
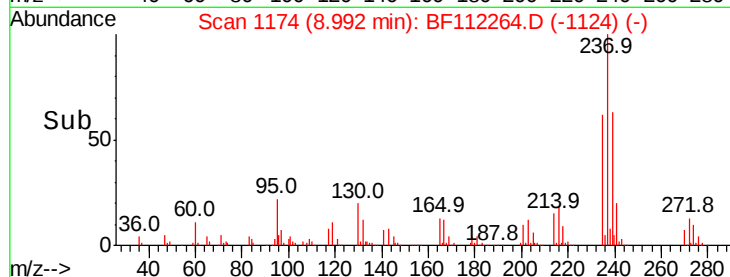
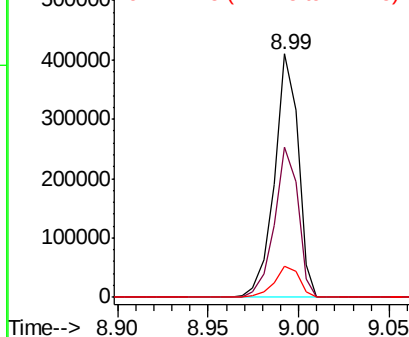
Tot Ion	Ratio	Resp	Lower	Upper
237	100	372796		
235	61.7	44.0	84.0	
272	12.9	0.0	33.3	

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 127.076 ng

RT: 10.67 min Scan# 1460

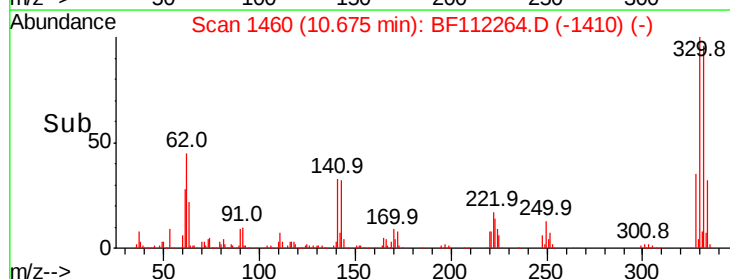
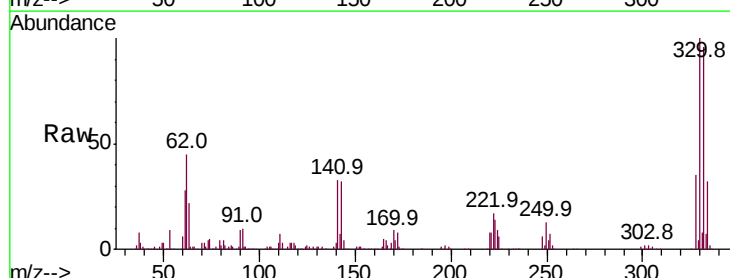
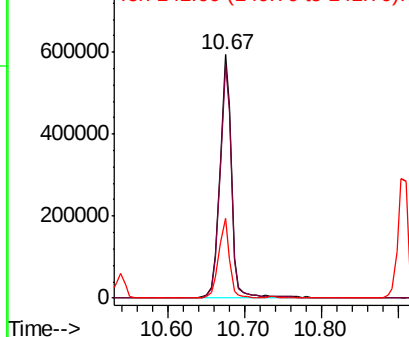
Delta R.T. -0.01 min

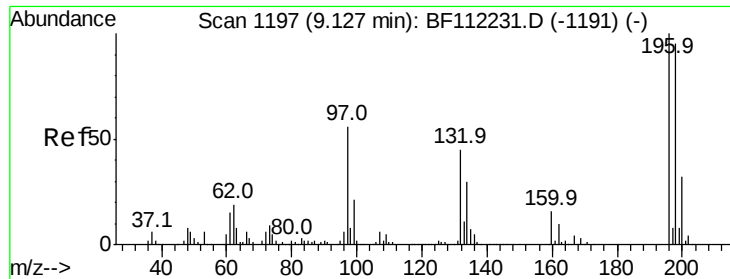
Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	617270		
332	95.5	76.6	114.8	
141	30.4	24.3	36.5	

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





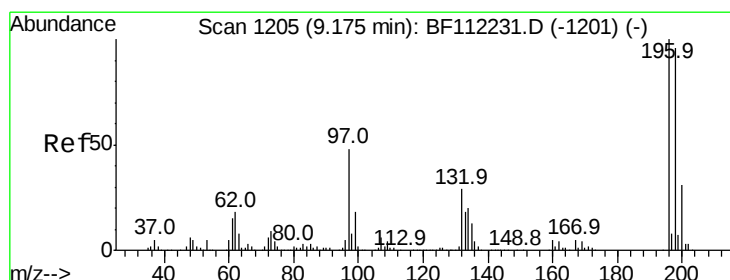
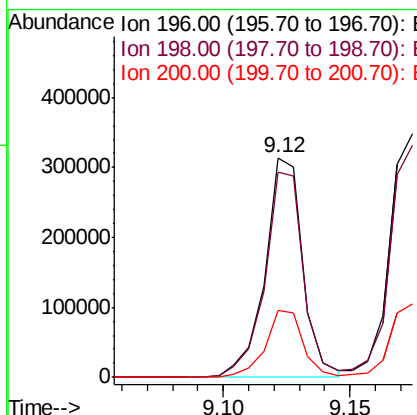
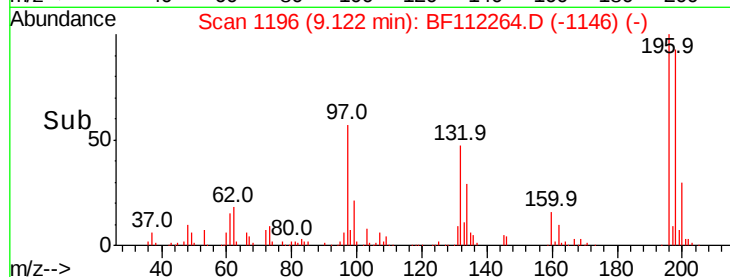
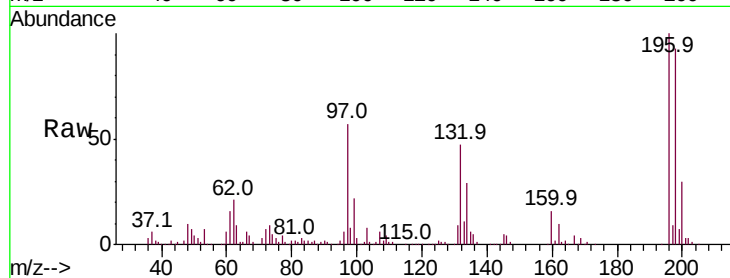
#43
 2,4,6-Trichlorophenol
 Concen: 38.839 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleID :
 PB116607BS

Tot Ion:	196	Resp:	328039
Ion Ratio	Lower	Upper	
196	100		
198	93.5	76.2	114.4
200	30.4	24.3	36.5

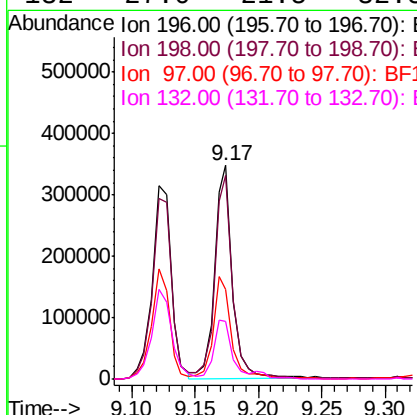
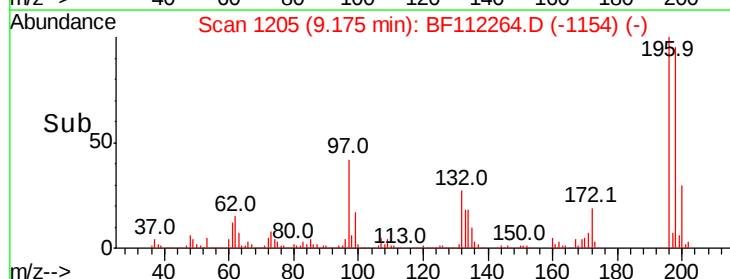
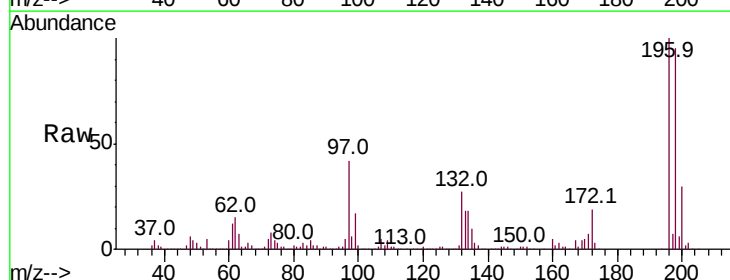
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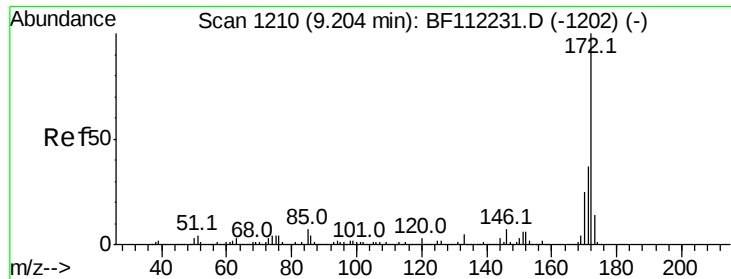
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#44
 2,4,5-Trichlorophenol
 Concen: 39.205 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion:	196	Resp:	346074
Ion Ratio	Lower	Upper	
196	100		
198	95.3	76.0	114.0
97	41.9	36.4	54.6
132	27.0	21.5	32.3





#45
 2-Fluorobiphenyl
 Concen: 73.688 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

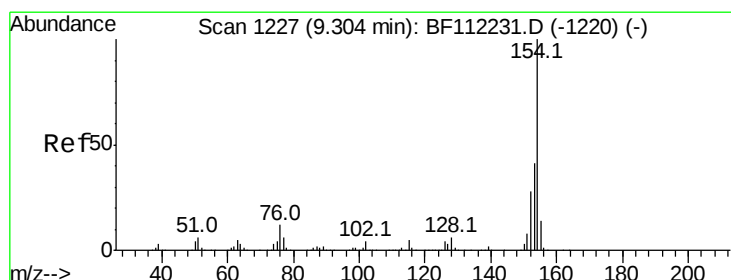
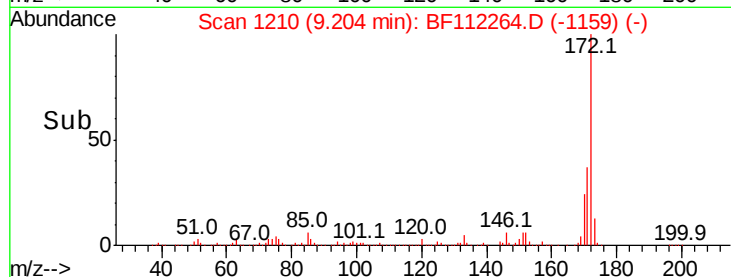
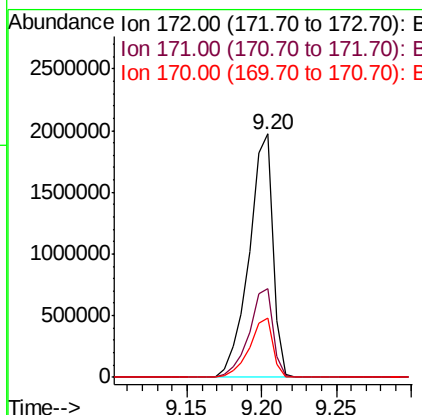
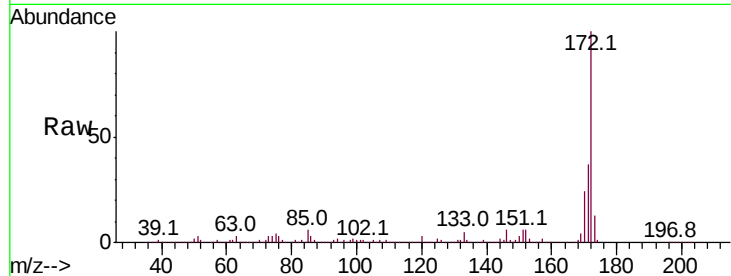
Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Tot Ion:172 Resp: 2174256

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.5	45.7
170	24.3	20.2	30.4

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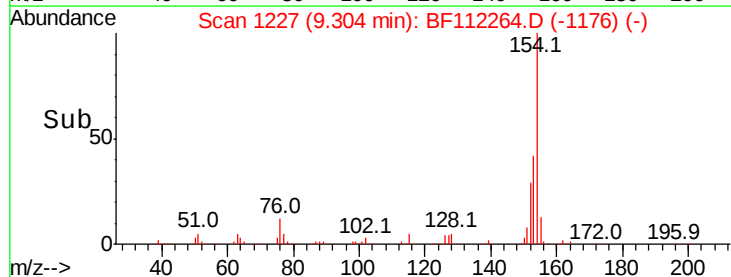
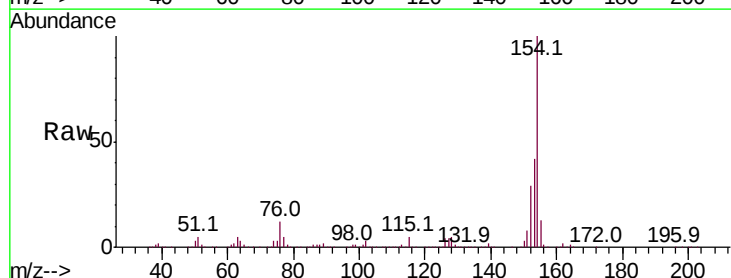
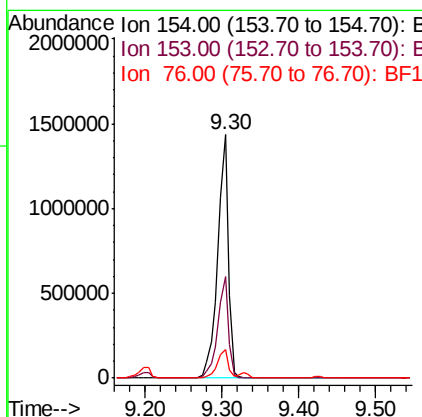
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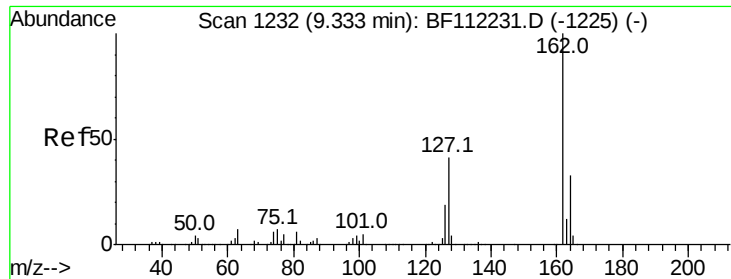


#46
 1,1'-Biphenyl
 Concen: 37.132 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion:154 Resp: 1354716

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.5	61.5
76	11.5	0.0	33.1





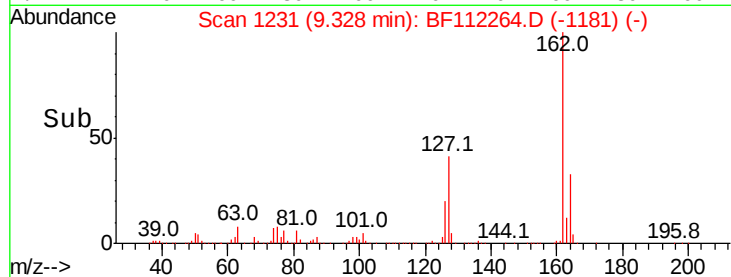
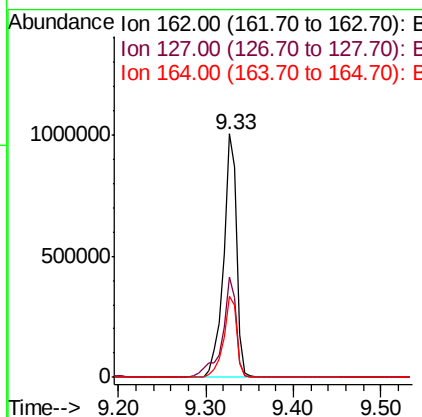
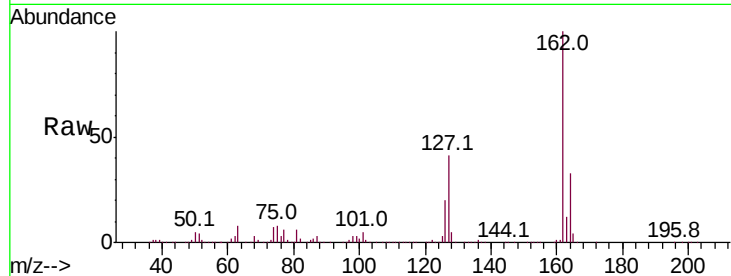
#47
 2-Chloronaphthalene
 Concen: 37.099 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.1	30.4	45.6
164	33.4	27.4	41.2

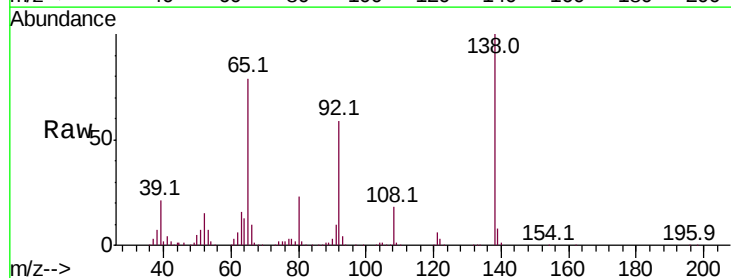
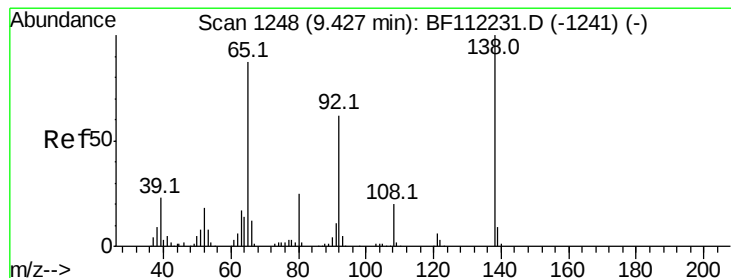
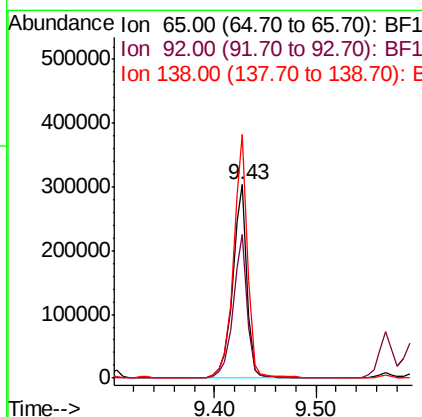
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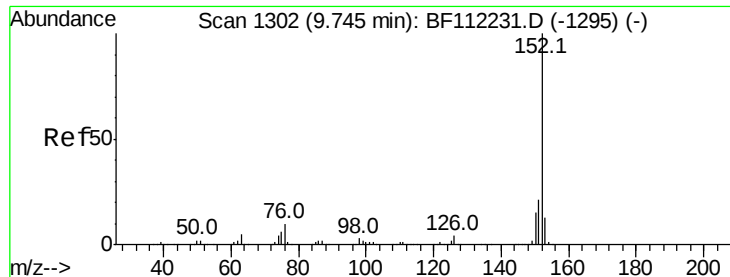
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#48
 2-Nitroaniline
 Concen: 38.725 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.6	60.4	90.6
138	125.8	104.4	156.6





#49

Acenaphthylene

Concen: 41.452 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion:152 Resp: 1718911

Ion Ratio Lower Upper

152 100

151 20.7 17.0 25.6

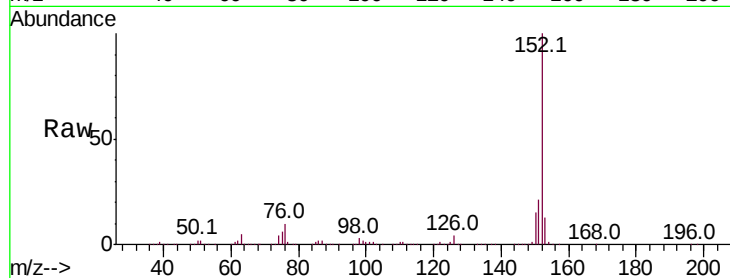
153 13.4 11.2 16.8

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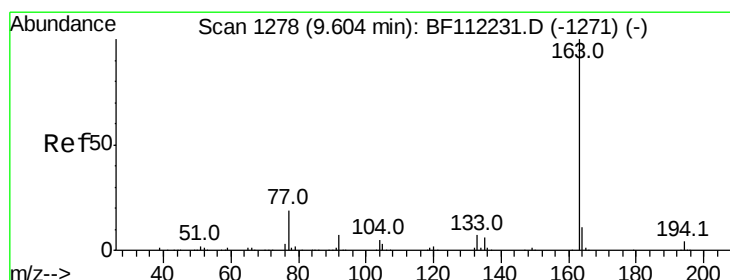
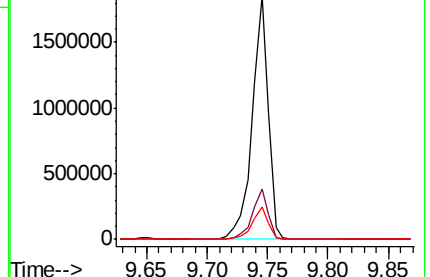
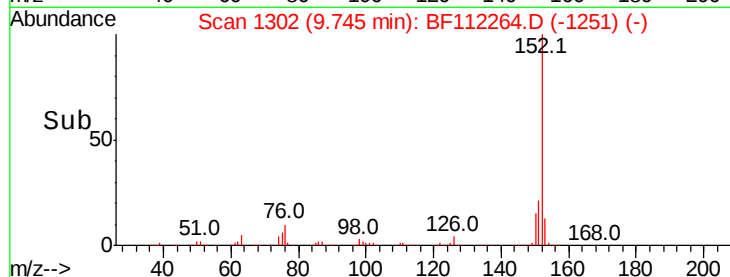
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Abundance Ion 152.00 (151.70 to 152.70): E

2500000 Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.971 ng

RT: 9.60 min Scan# 1278

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

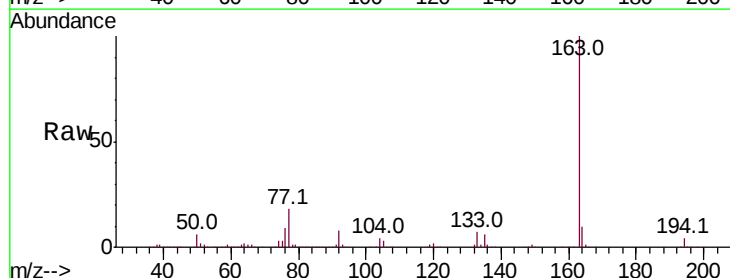
Tgt Ion:163 Resp: 1295990

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

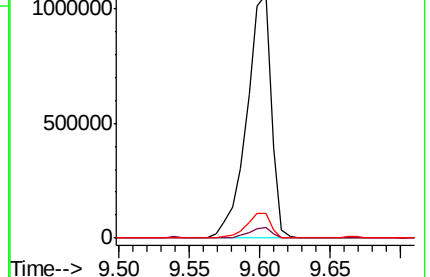
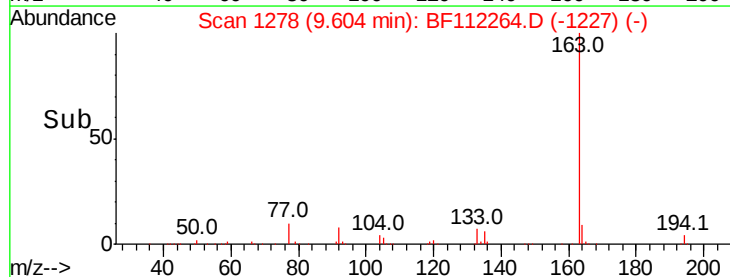
164 10.0 8.5 12.7

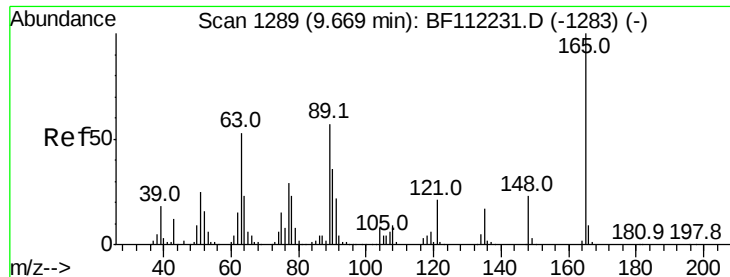


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.284 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

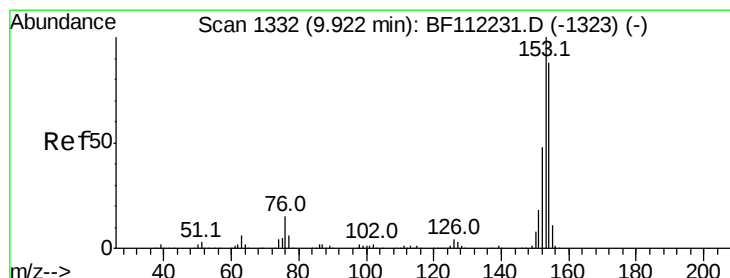
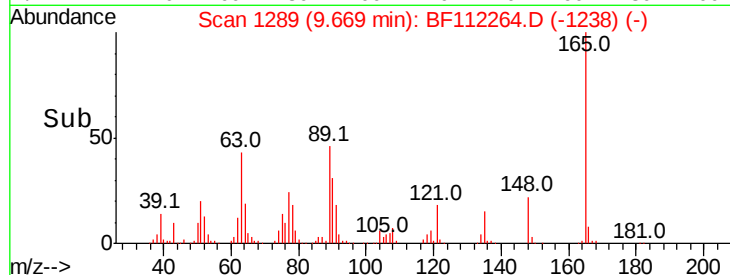
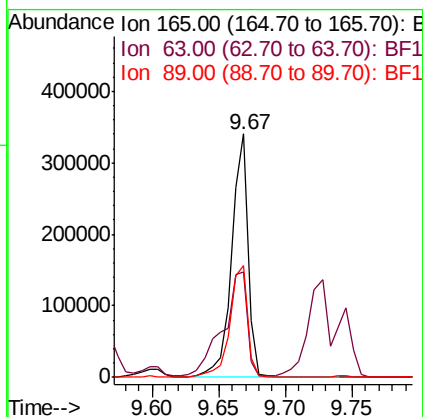
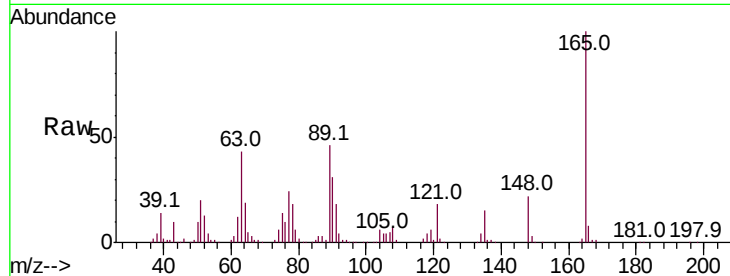
ClientSampleId :

PB116607BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	299791		
63	43.4		33.8	50.8
89	45.9		36.9	55.3

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#52

Acenaphthene

Concen: 40.182 ng

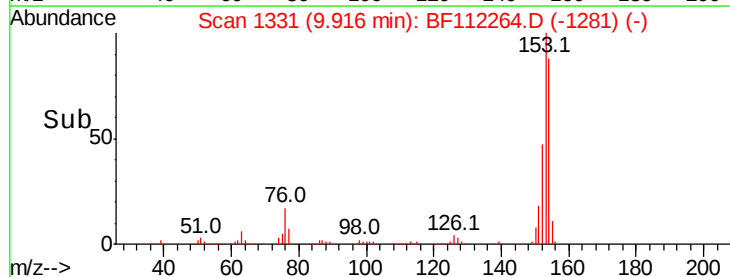
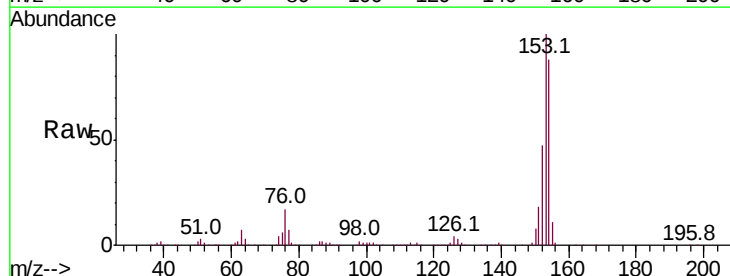
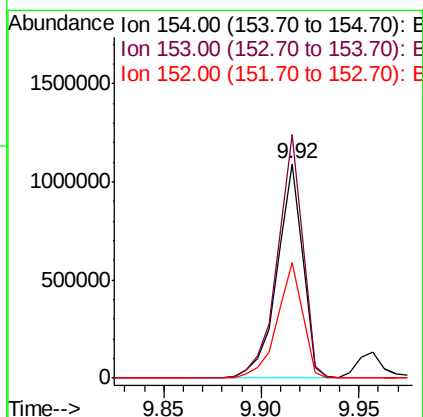
RT: 9.92 min Scan# 1331

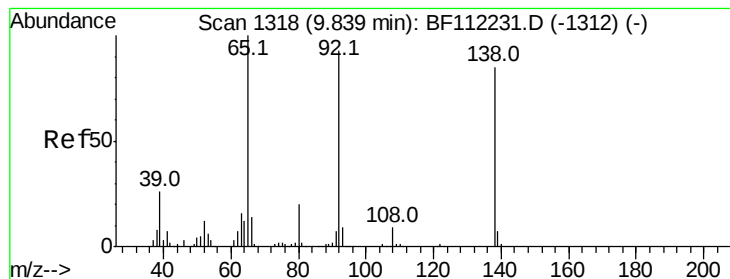
Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	995358		
153	113.4		89.8	134.6
152	53.7		43.5	65.3





#53

3-Nitroaniline

Concen: 27.670 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

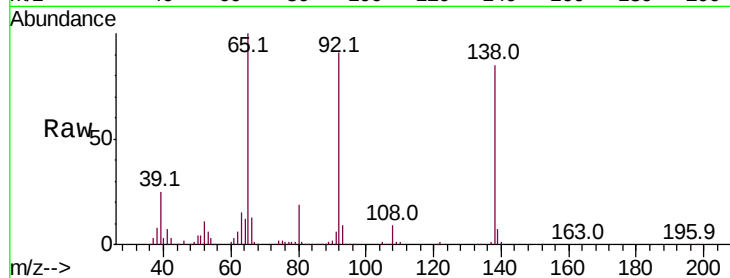
ClientSampleId :

PB116607BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.8	14.6
92	106.5	79.4	119.2

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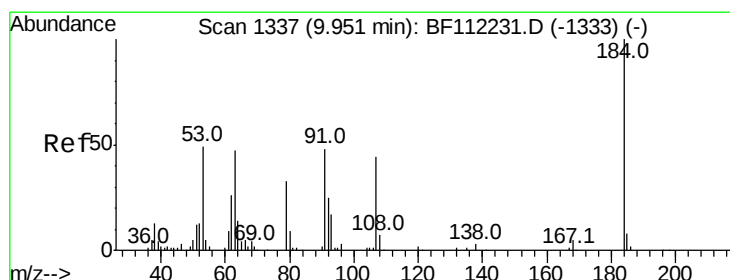
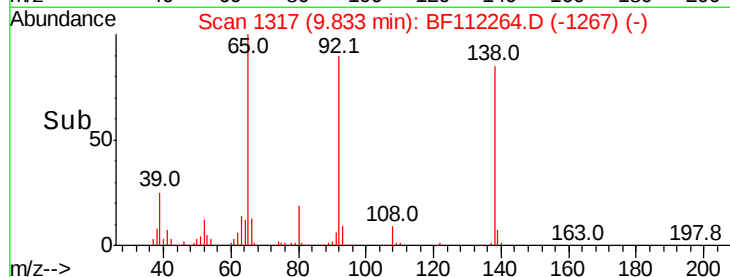
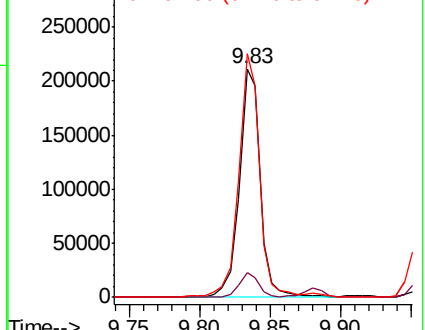


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 93.190 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

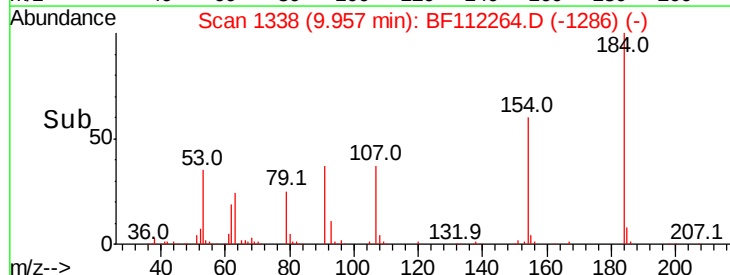
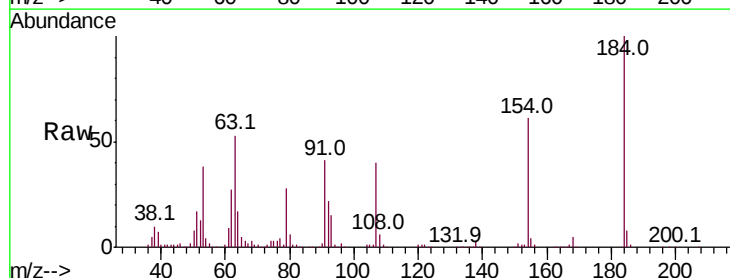
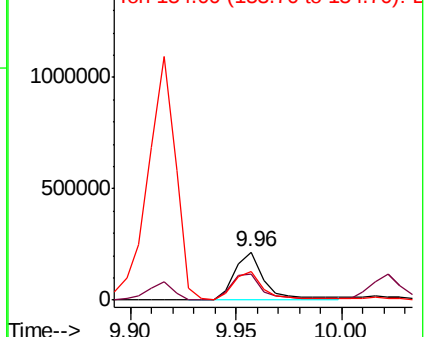
Tgt Ion	Ratio	Lower	Upper
184	100		
63	53.1	47.1	70.7
154	60.6	48.9	73.3

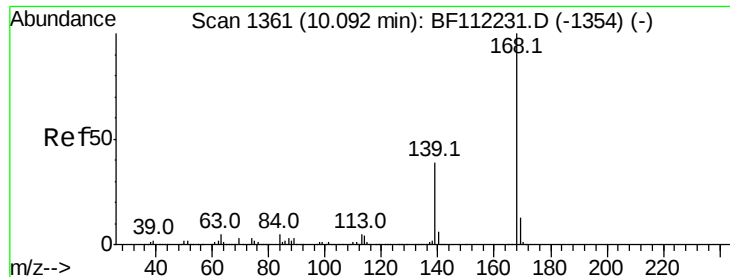
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





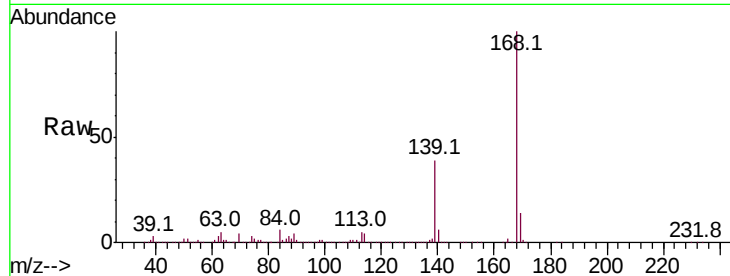
#55
Dibenzofuran
Concen: 40.272 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	29.2	43.8
169	13.8	11.4	17.0

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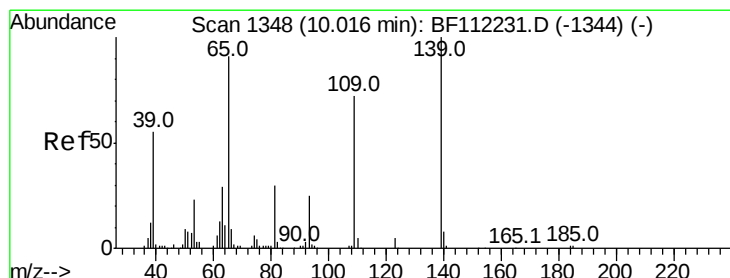
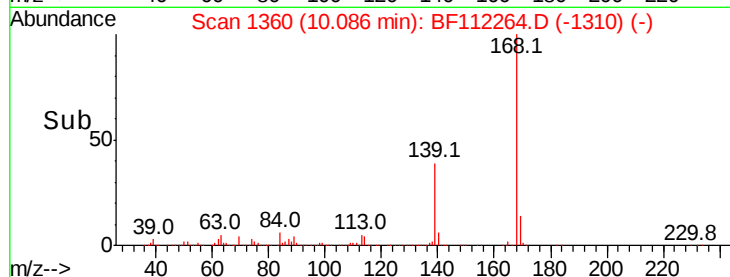
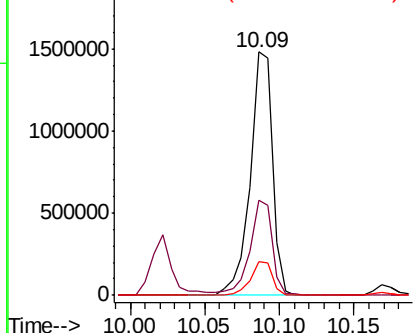


Abundance

Ion 168.00 (167.70 to 168.70): E

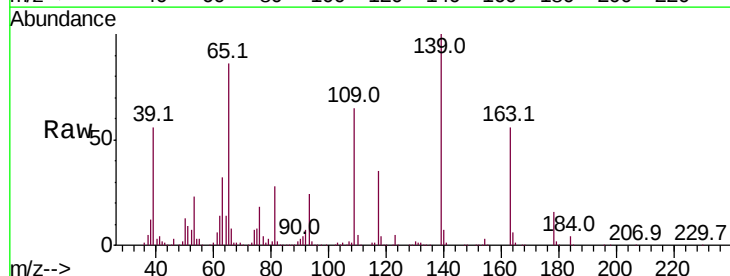
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 84.446 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.9	42.8	82.8
65	85.8	66.1	106.1

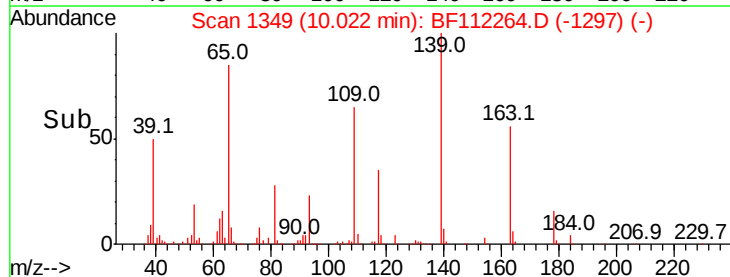
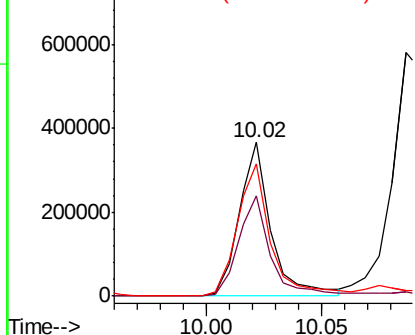


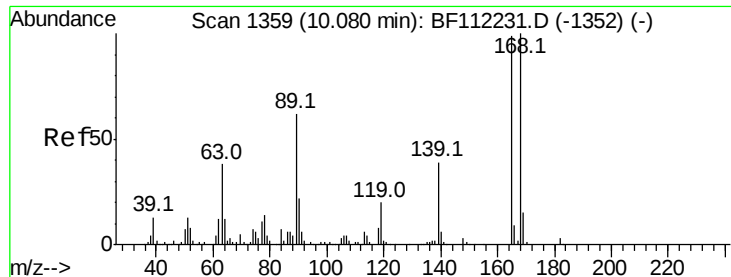
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





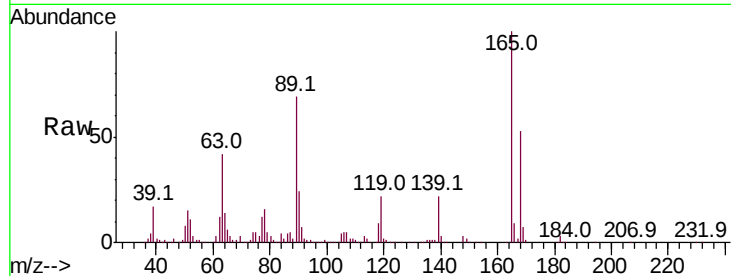
#57
2,4-Dinitrotoluene
Concen: 41.847 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	42.4	27.9	41.9#
89	68.7	47.9	71.9
182	2.9	2.2	3.4

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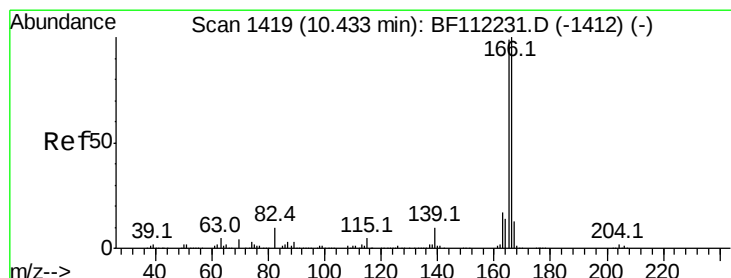
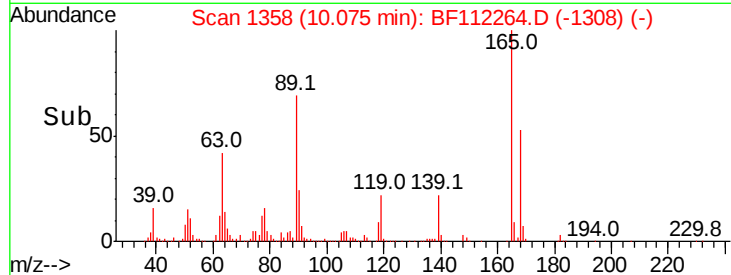
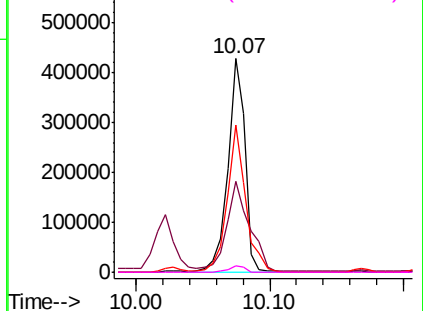
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 43.144 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

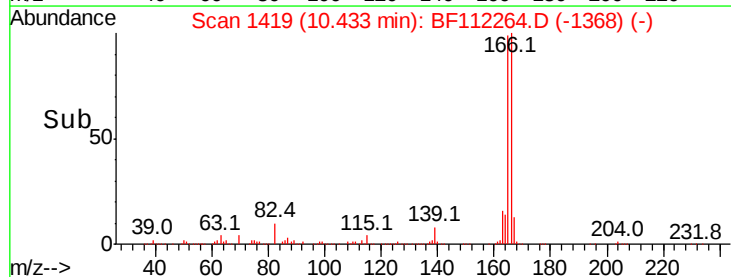
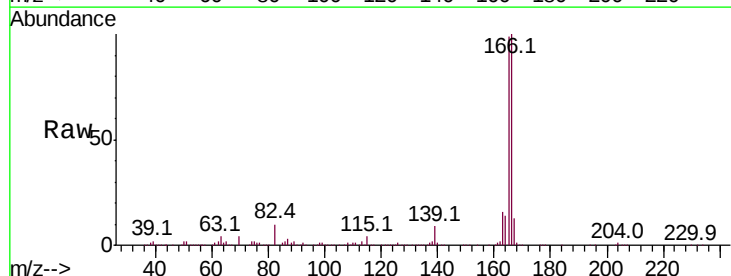
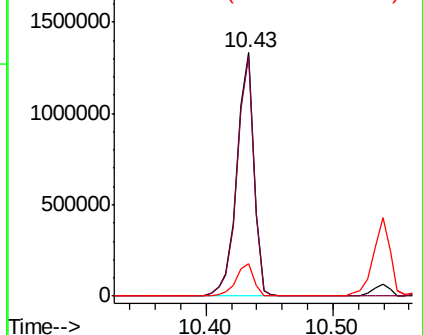
Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.6	77.1	115.7
167	13.5	11.3	16.9

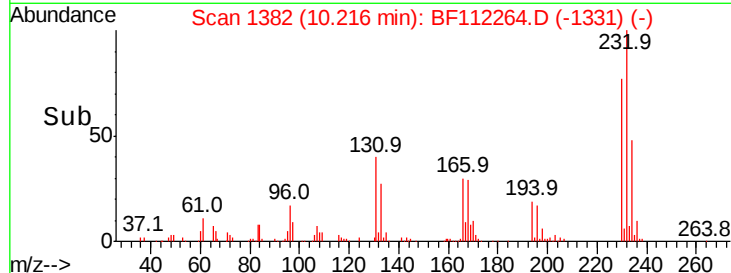
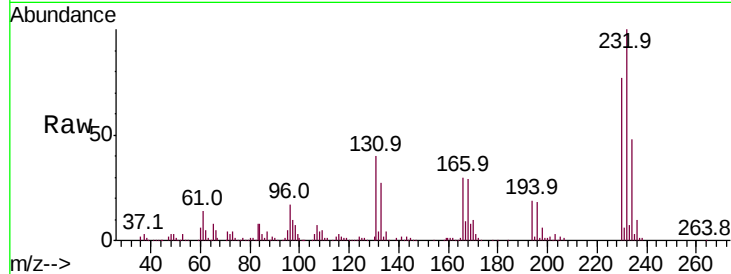
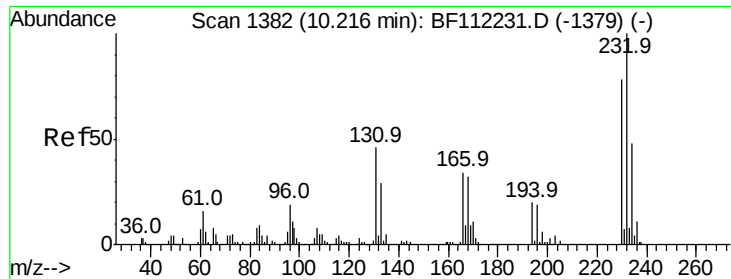
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





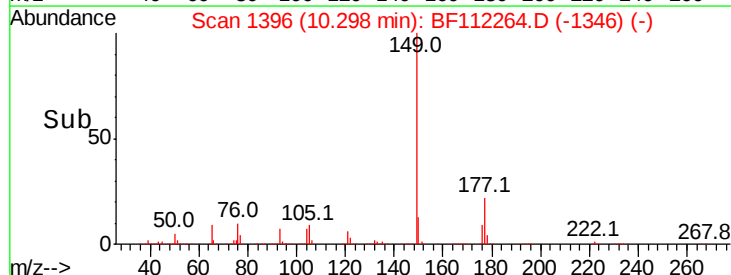
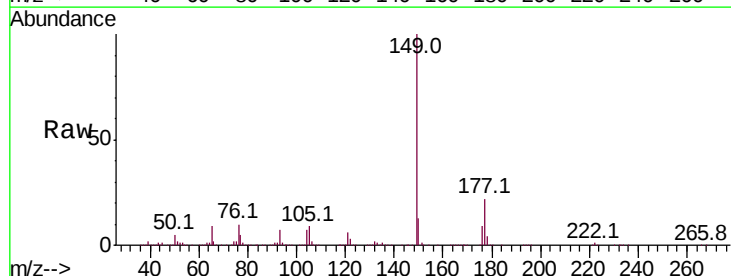
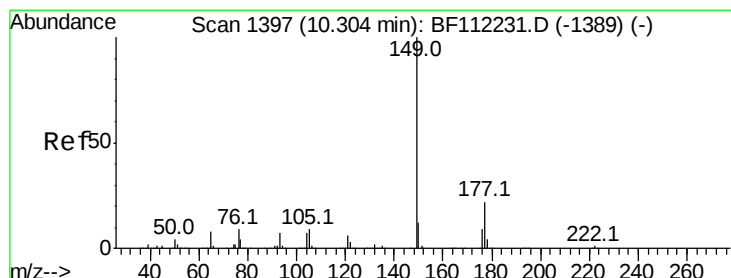
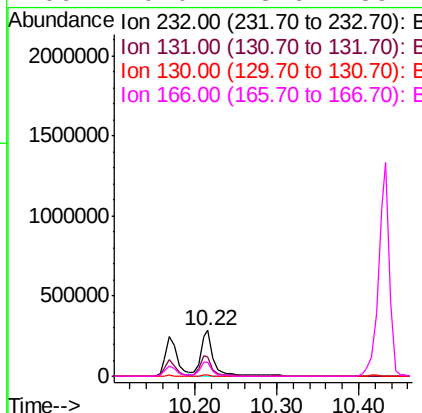
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.955 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	43.9	33.9	50.9
130	2.2	1.8	2.6
166	29.0	23.6	35.4

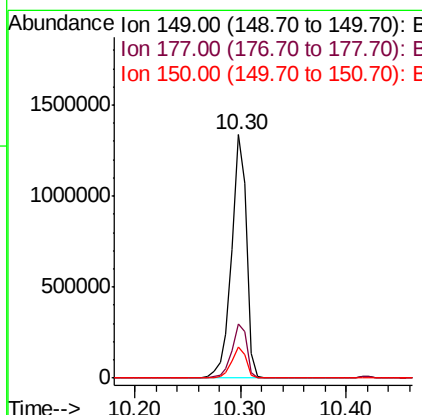
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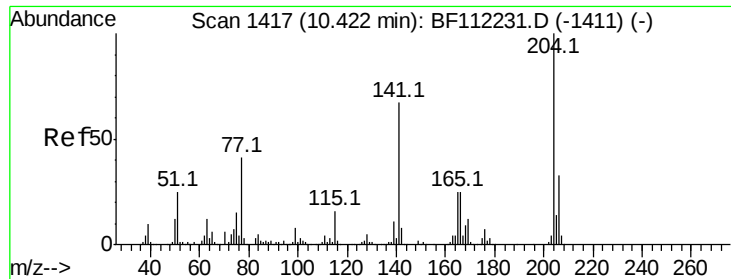
mohammad
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#60
Diethylphthalate
Concen: 40.056 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.2	27.2
150	12.7	10.4	15.6





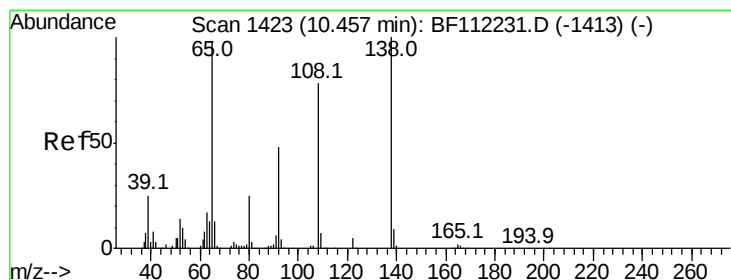
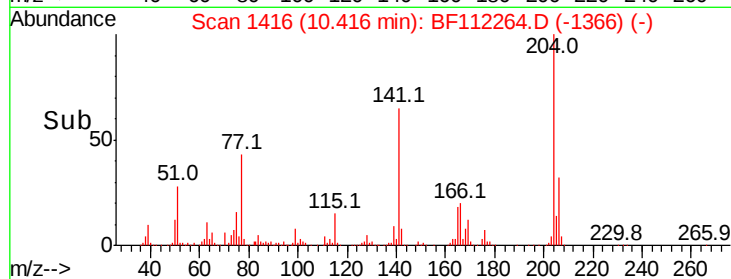
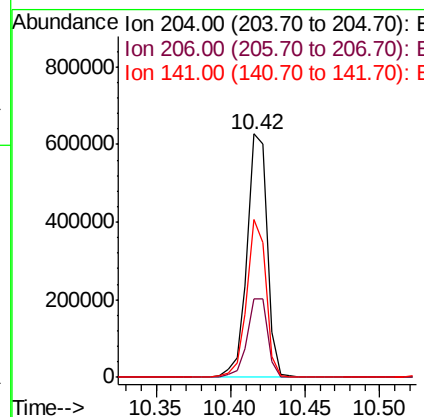
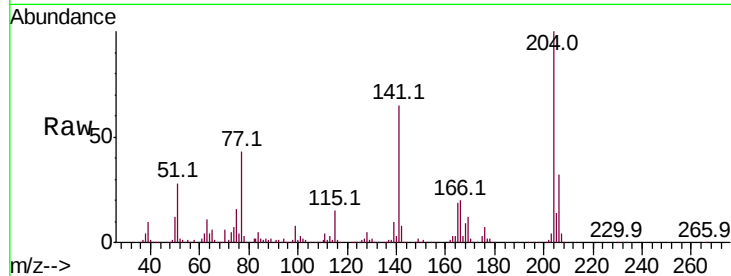
#61
4-Chlorophenyl-phenylether
Concen: 38.355 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.5	39.7
141	64.8	45.9	68.9

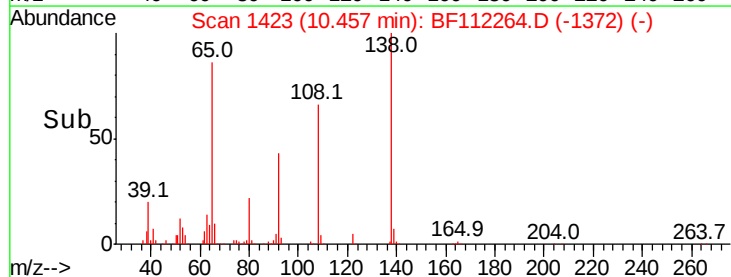
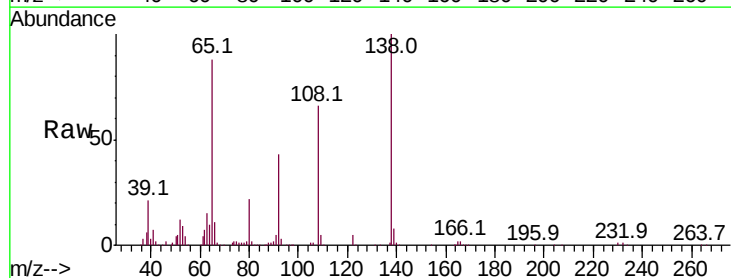
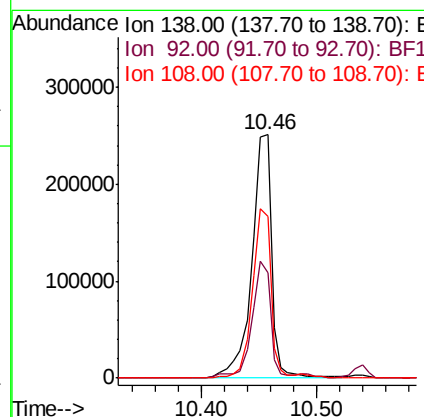
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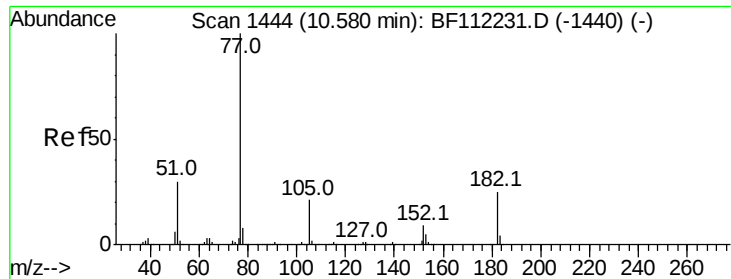
mohammad
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#62
4-Nitroaniline
Concen: 39.064 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.5	30.6	70.6
108	66.2	50.0	90.0





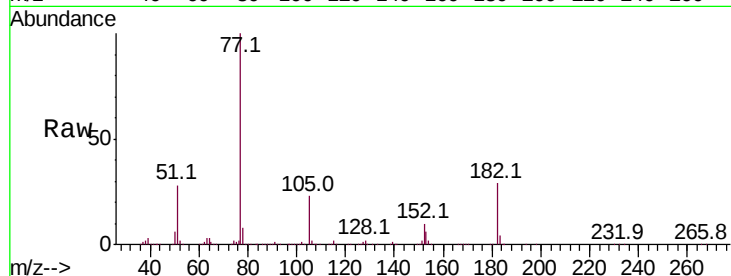
#63
Azobenzene
Concen: 38.129 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.9	5.7	45.7
105	22.6	1.4	41.4
51	28.1	9.5	49.5

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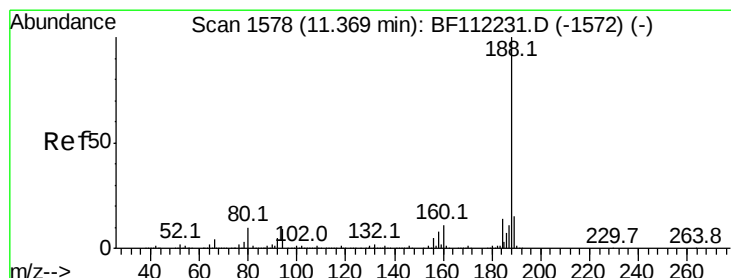
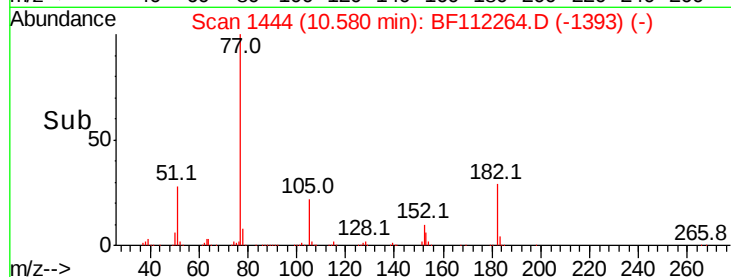
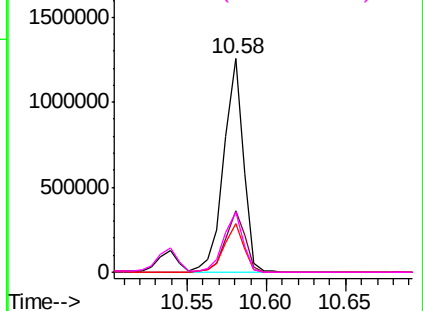
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

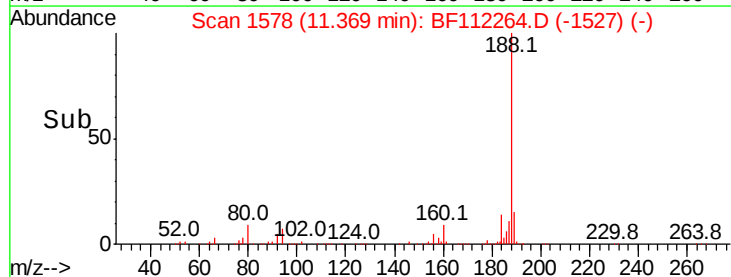
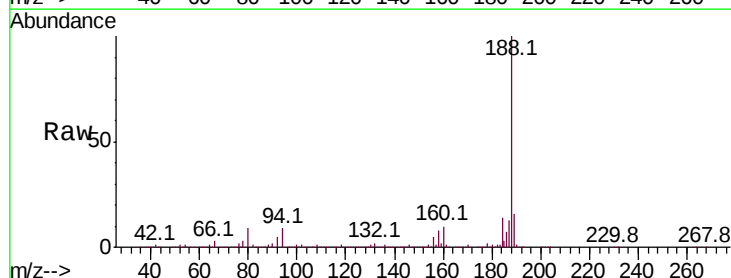
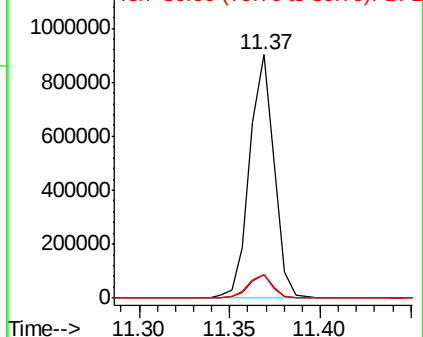
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.4	8.9	13.3

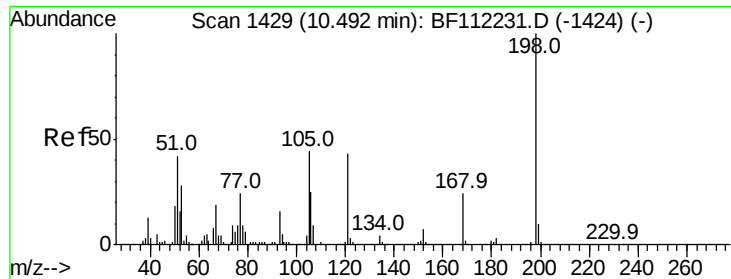
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 34.889 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion:198 Resp: 165821

Ion Ratio Lower Upper

198 100

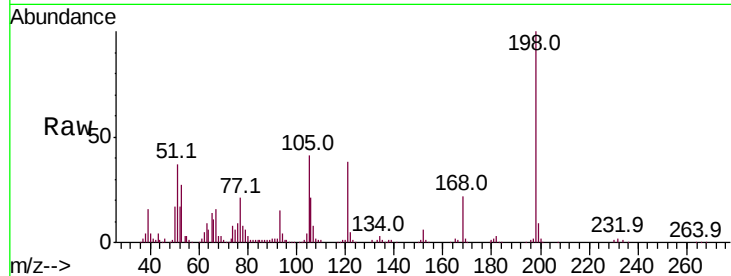
51 37.0 17.2 57.2

105 41.3 21.9 61.9

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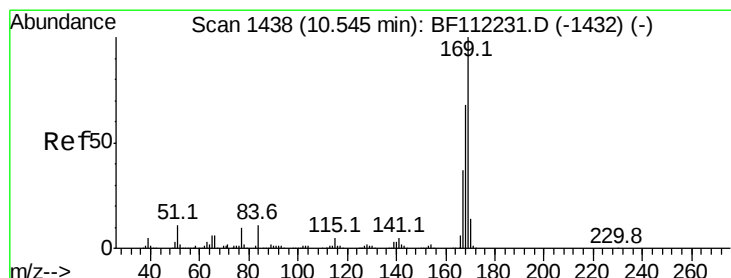
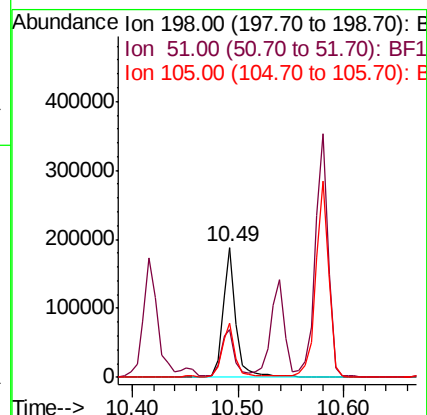
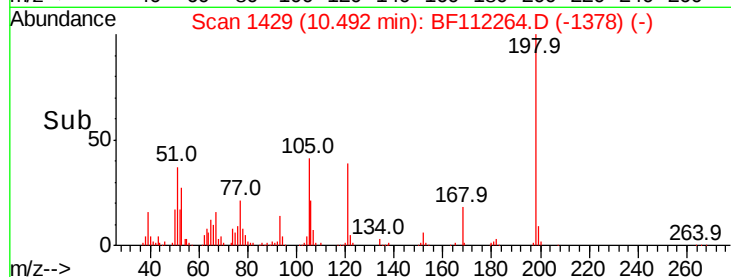
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.181 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

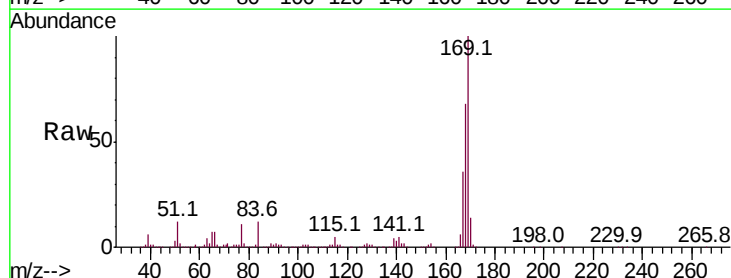
Tgt Ion:169 Resp: 1090841

Ion Ratio Lower Upper

169 100

168 67.9 53.9 80.9

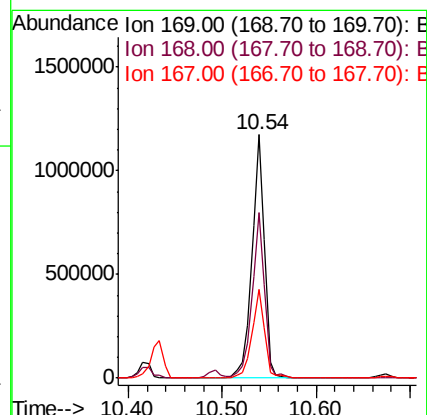
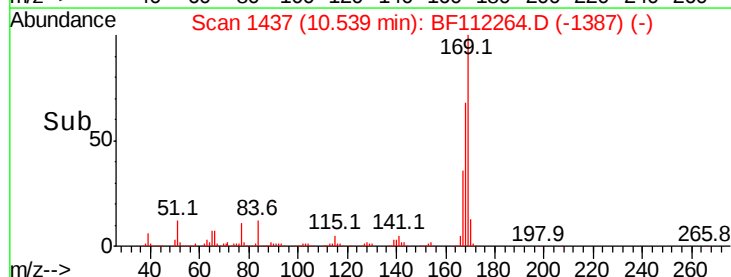
167 36.4 28.9 43.3

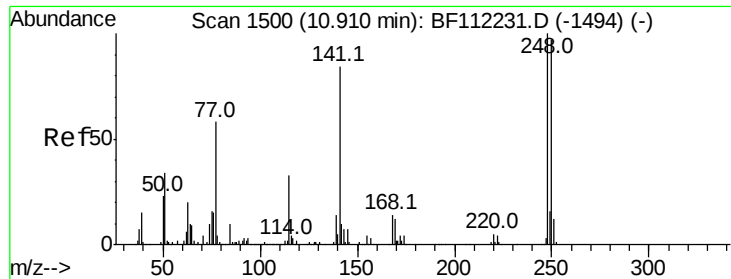


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





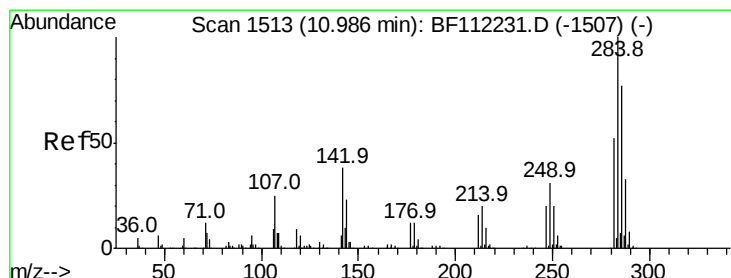
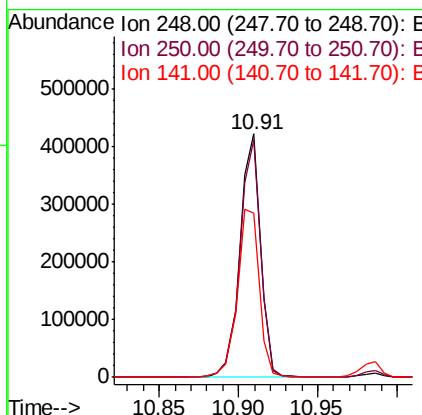
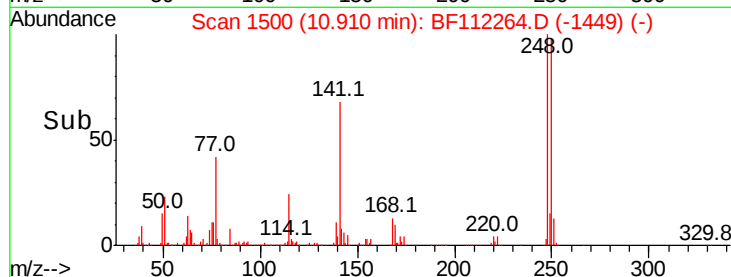
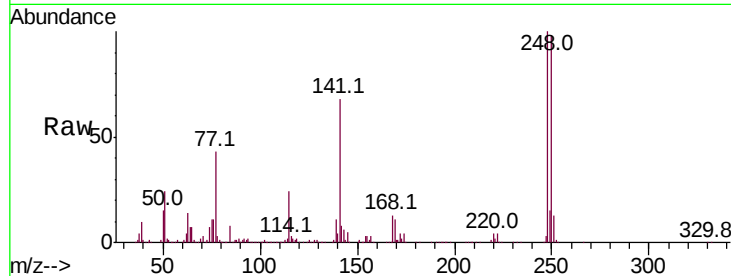
#67
4-Bromophenyl-phenylether
Concen: 38.378 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.7	119.5
141	67.6	60.3	90.5

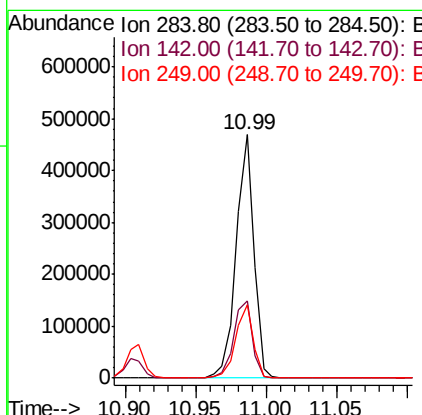
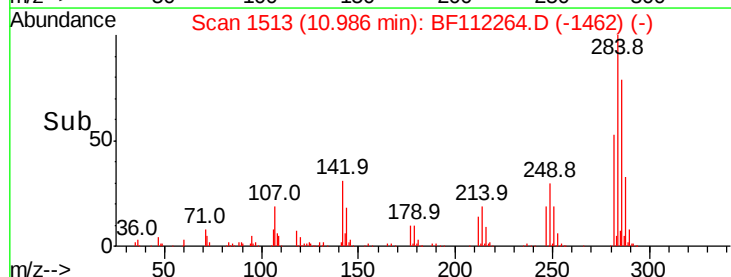
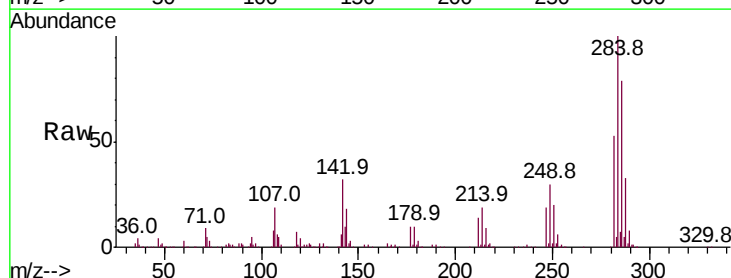
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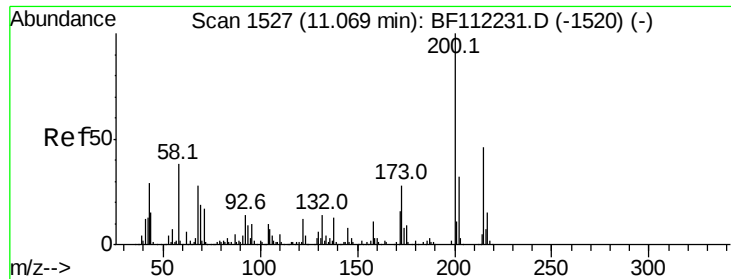
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#68
Hexachlorobenzene
Concen: 38.376 ng
RT: 10.99 min Scan# 1513
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.6	27.6	41.4
249	30.1	24.1	36.1





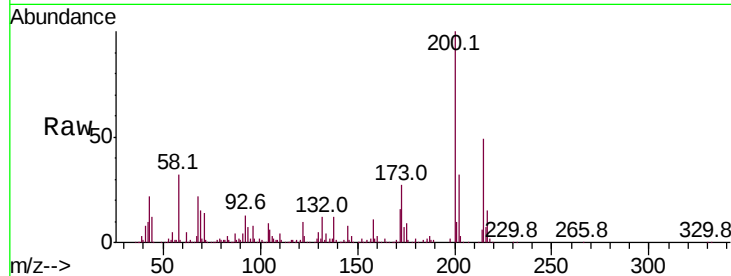
#69
Atrazine
Concen: 39.886 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampled :
PB116607BS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	367698		
173	26.9		7.1	47.1
215	48.8		30.4	70.4

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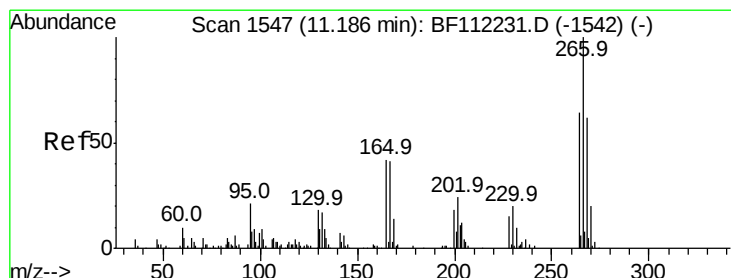
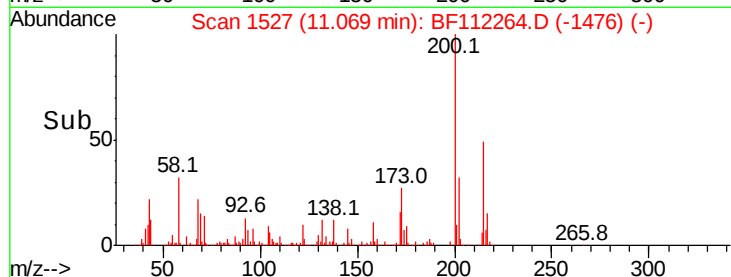
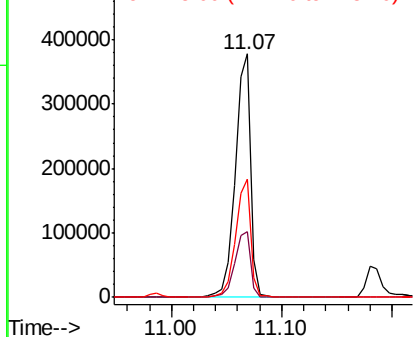


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 73.864 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

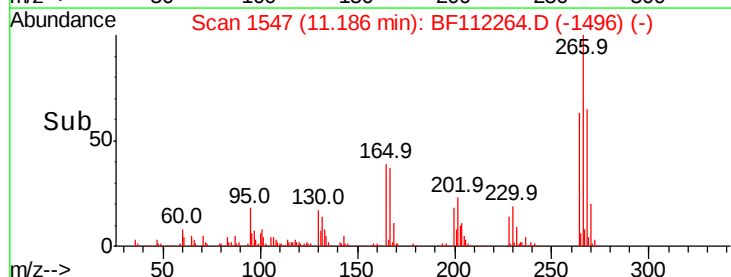
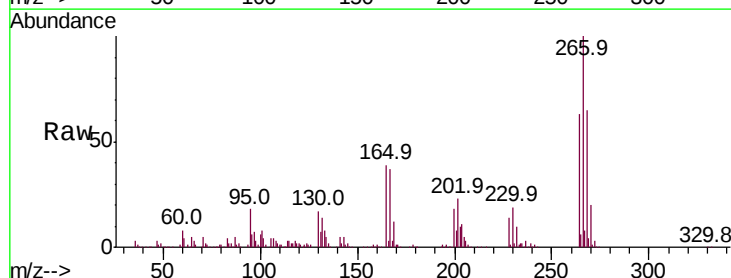
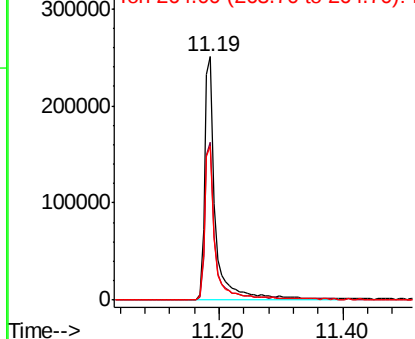
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	307441		
268	65.0		51.2	76.8
264	63.2		50.9	76.3

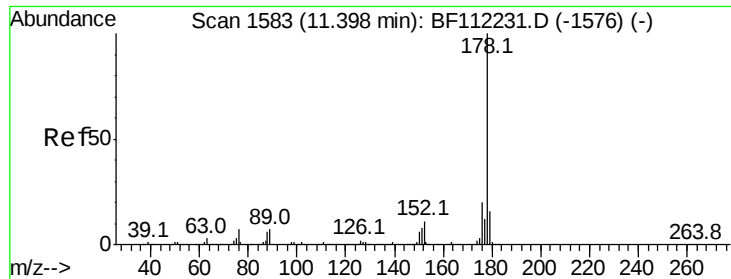
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





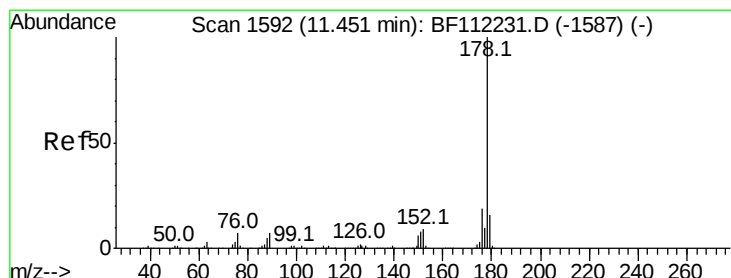
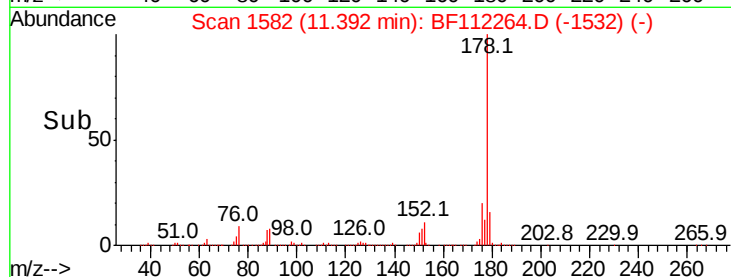
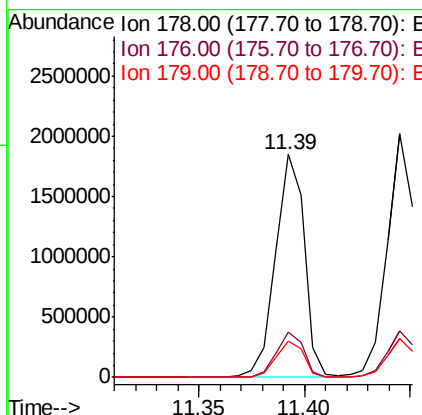
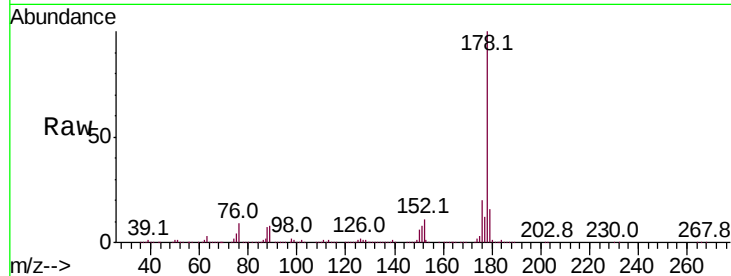
#71
Phenanthrene
Concen: 39.942 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion:178 Resp: 1760292
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 16.0 13.0 19.4

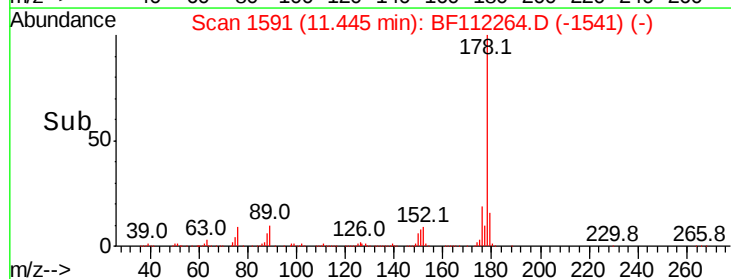
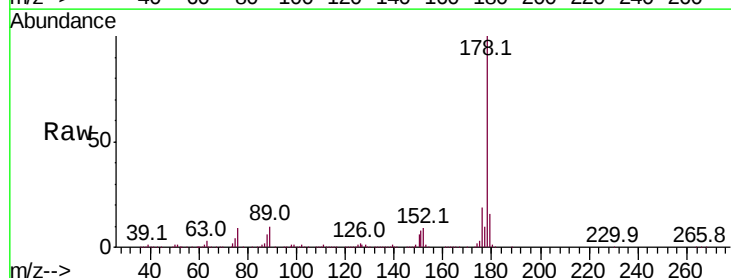
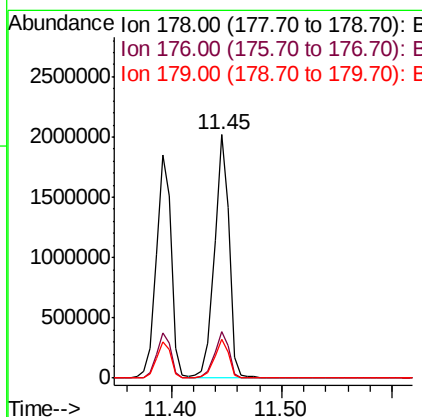
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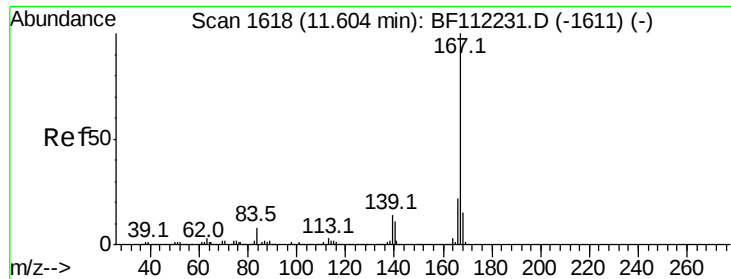
mohammad
1/29/2019 9:34:44 AM



#72
Anthracene
Concen: 41.793 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion:178 Resp: 1834750
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.2 12.8 19.2





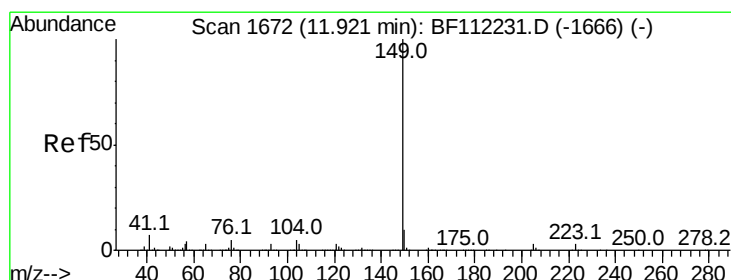
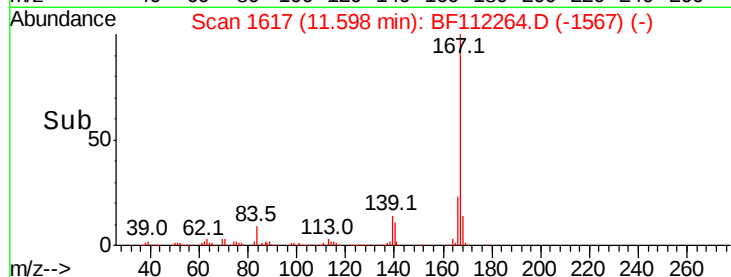
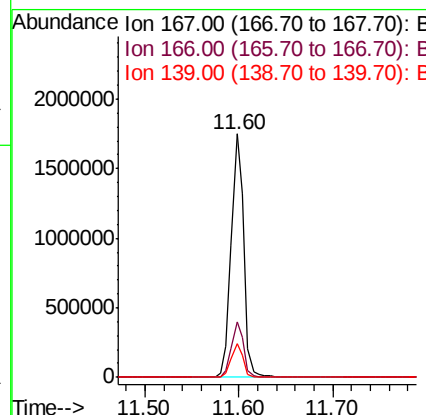
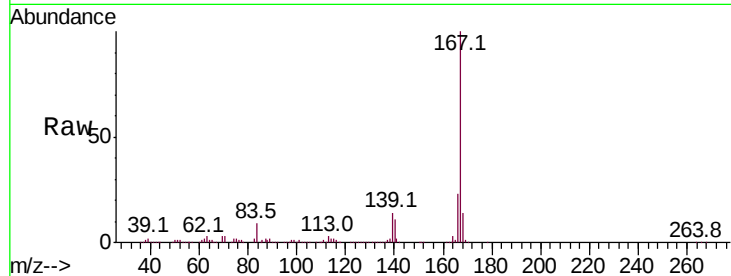
#73
 Carbazole
 Concen: 37.445 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB116607BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.9	26.9
139	13.7	10.2	15.2

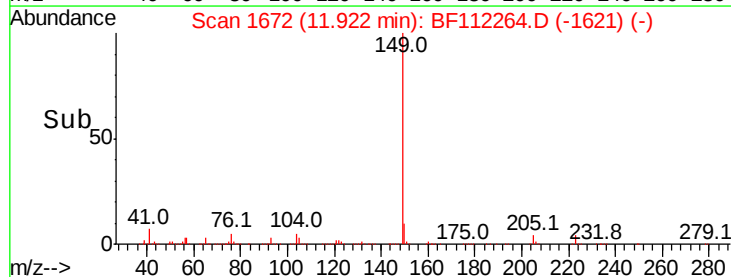
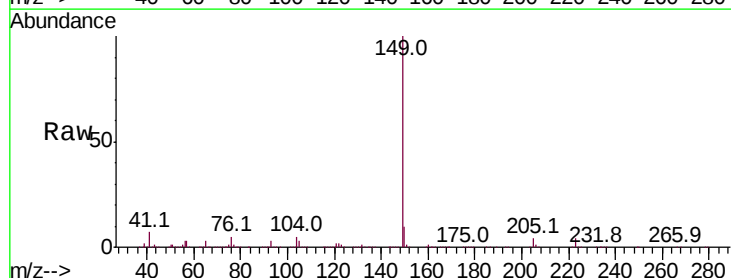
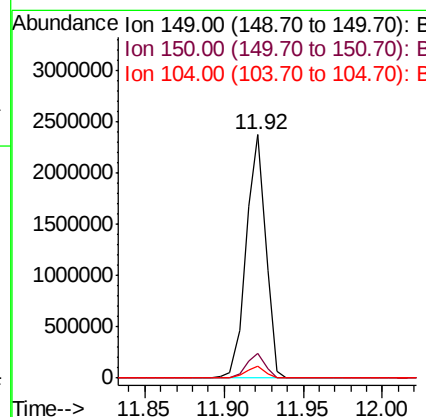
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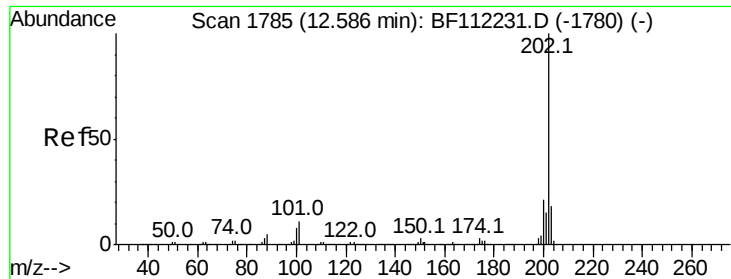
mohammad
 1/29/2019 9:34:44 AM



#74
 Di-n-butylphthalate
 Concen: 37.562 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: BF112264.D
 Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1
104	4.8	3.9	5.9





#75

Fluoranthene

Concen: 39.414 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

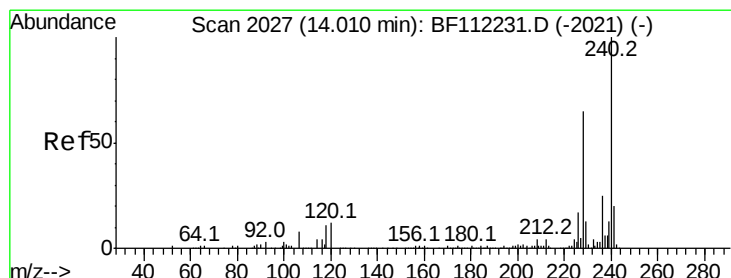
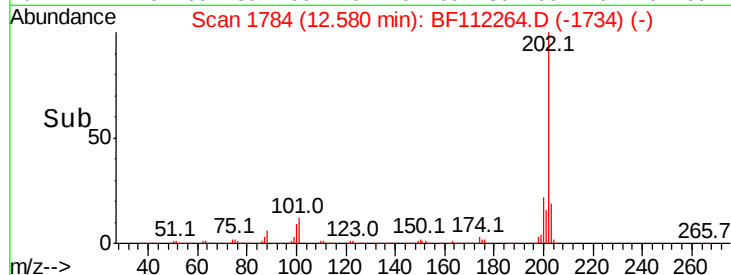
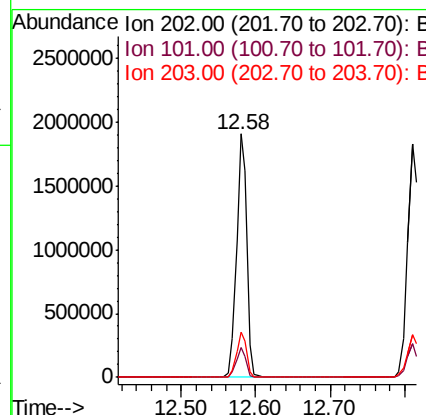
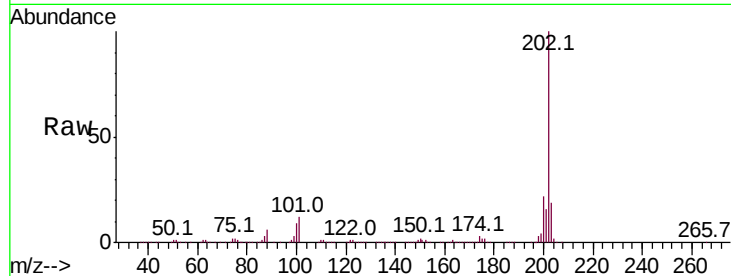
ClientSampleId :

PB116607BS

Tot Ion:	202	Resp:	1863076
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.8
203	18.7	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

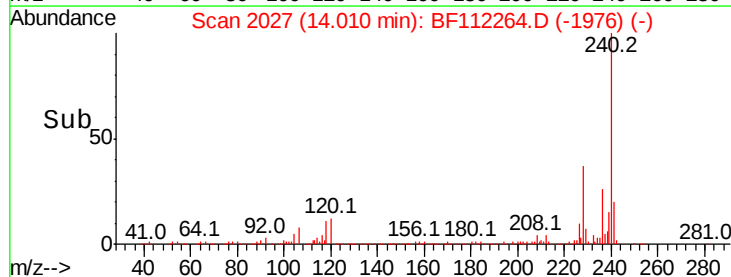
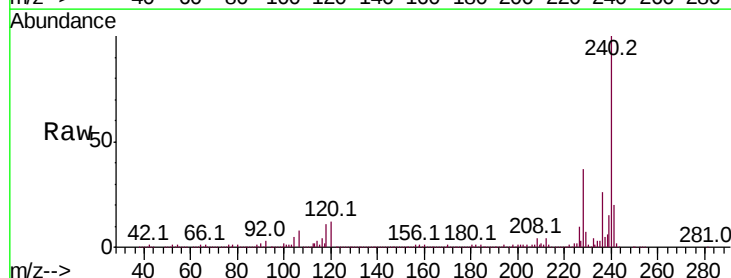
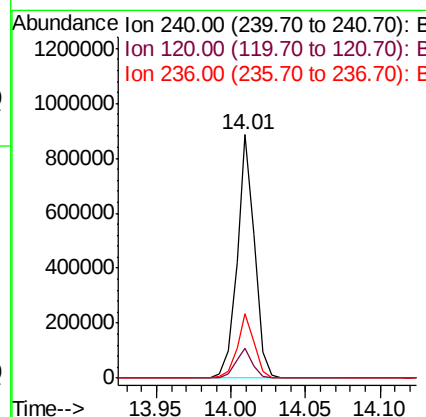
RT: 14.01 min Scan# 2027

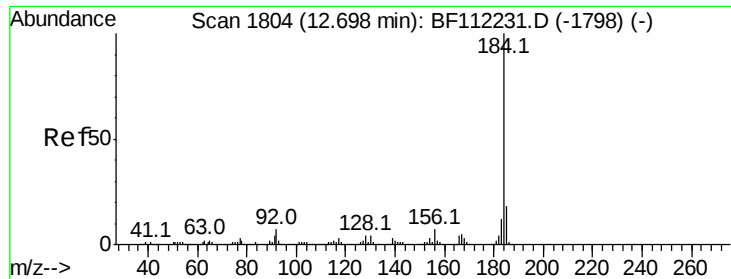
Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion:	240	Resp:	727899
Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.0	13.6
236	26.3	20.7	31.1





#77

Benzidine

Concen: 35.100 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

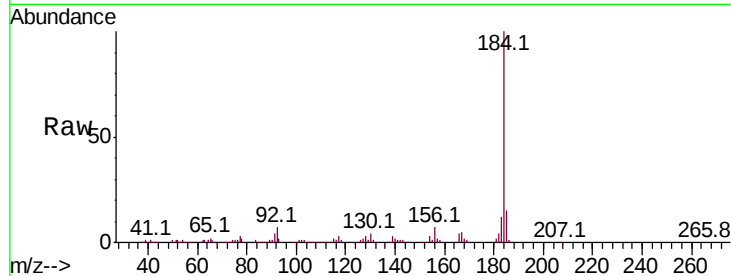
ClientSampled :

PB116607BS

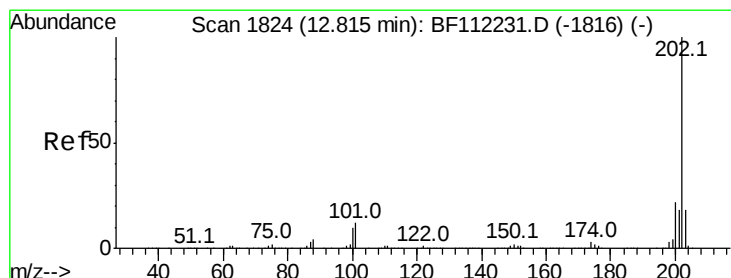
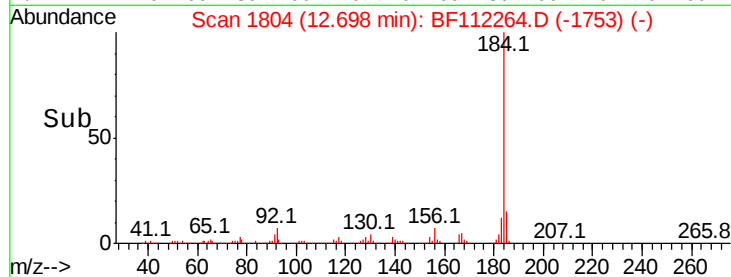
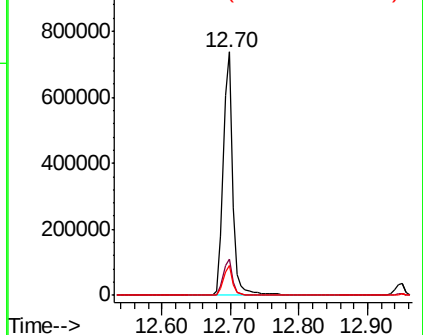
Tot Ion:	184	Resp:	703201
Ion Ratio	Lower	Upper	
184	100		
185	15.1	13.9	20.9
183	12.1	10.0	15.0

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 35.432 ng

RT: 12.81 min Scan# 1823

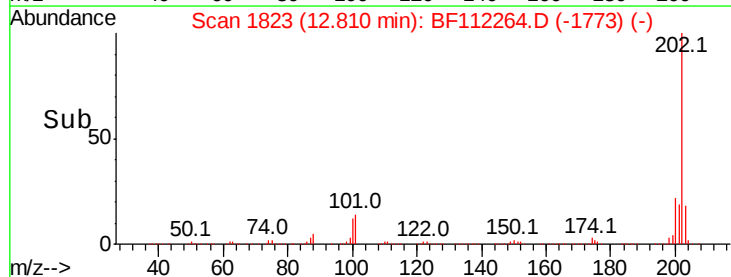
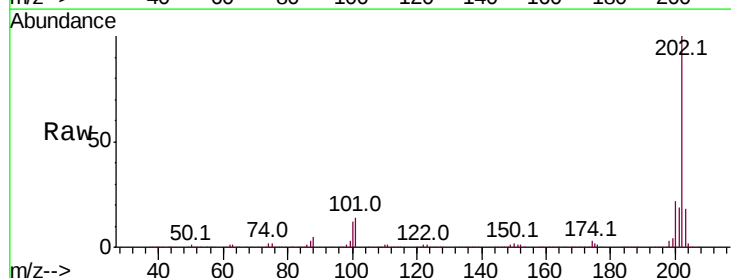
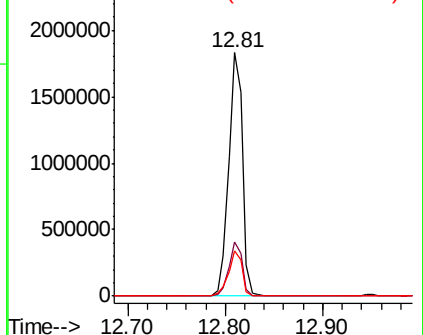
Delta R.T. -0.01 min

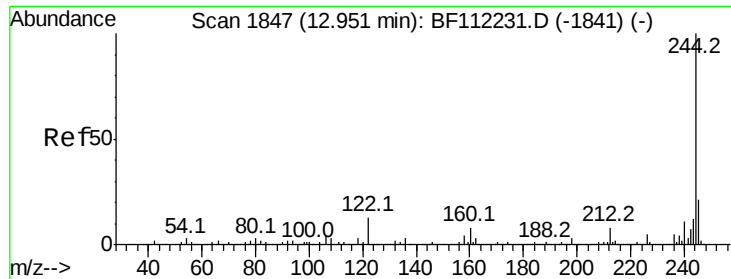
Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion:	202	Resp:	1785605
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.7	26.5
203	18.4	14.6	22.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.084 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion:244 Resp: 2476672

Ion Ratio Lower Upper

244 100

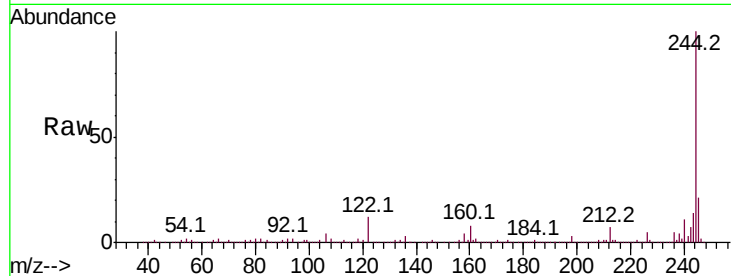
212 7.5 5.9 8.9

122 11.6 9.8 14.6

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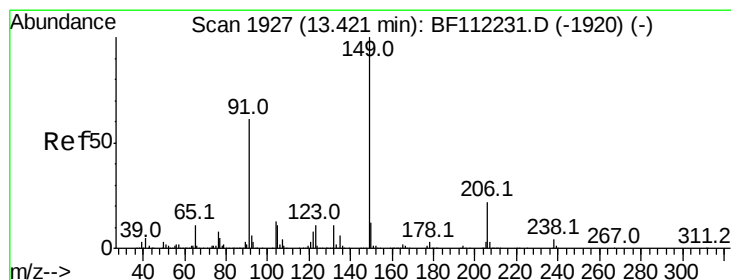
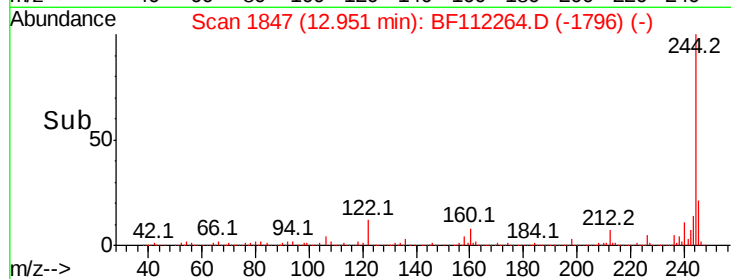
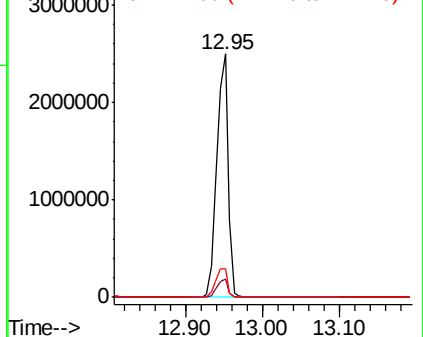
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 37.929 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

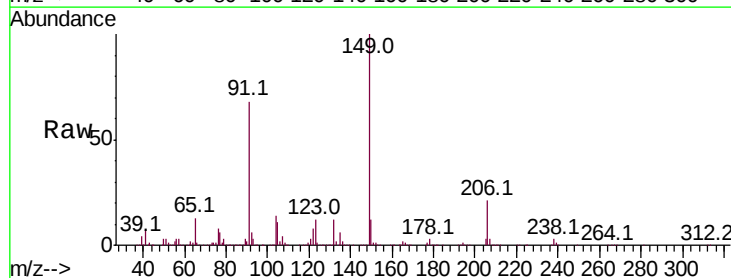
Tgt Ion:149 Resp: 924806

Ion Ratio Lower Upper

149 100

91 68.2 50.3 75.5

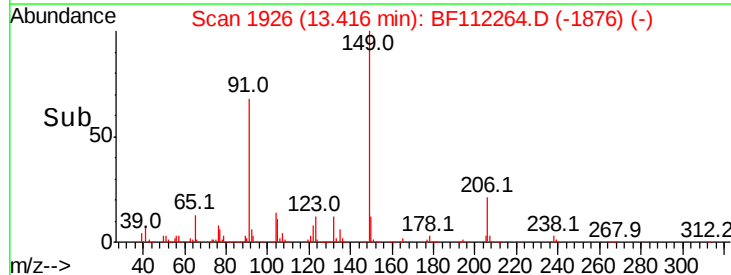
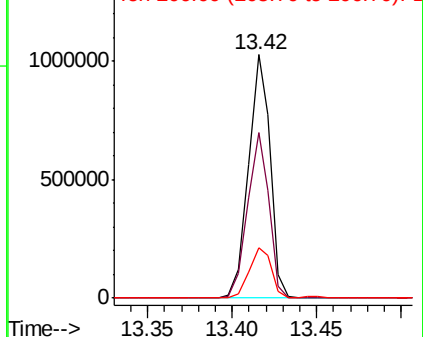
206 20.8 18.2 27.4

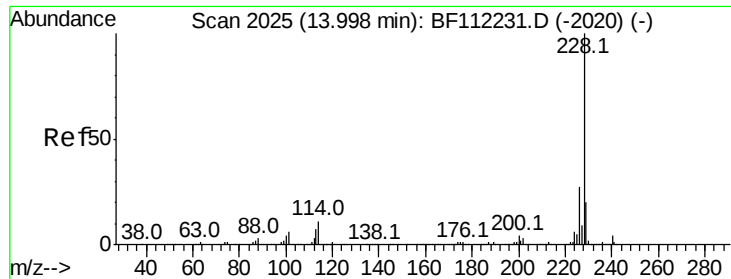


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





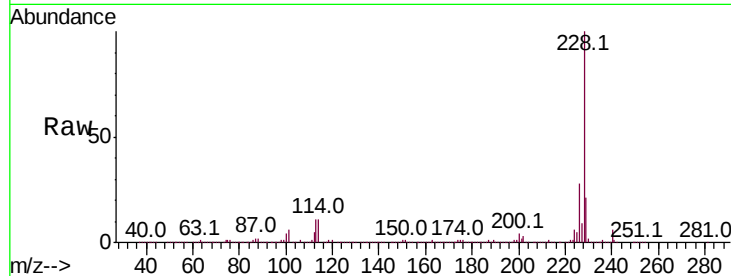
#81
Benzo(a)anthracene
Concen: 41.478 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	20.6	16.5	24.7

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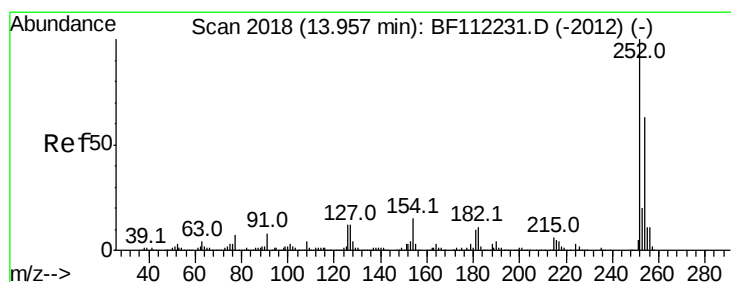
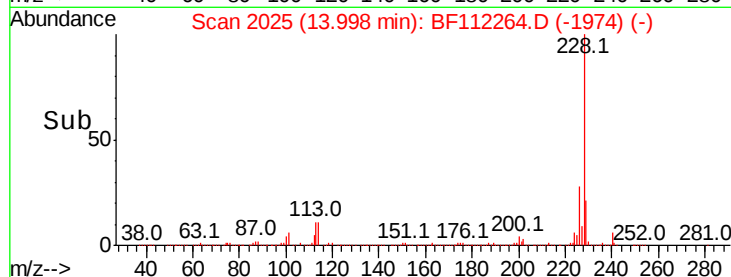
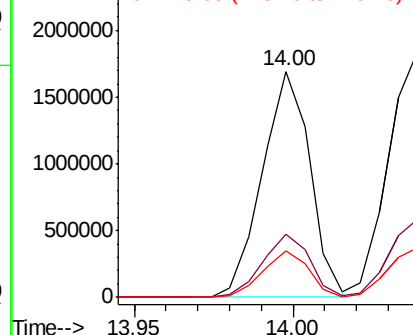


Abundance

Ion 228.00 (227.70 to 228.70): E

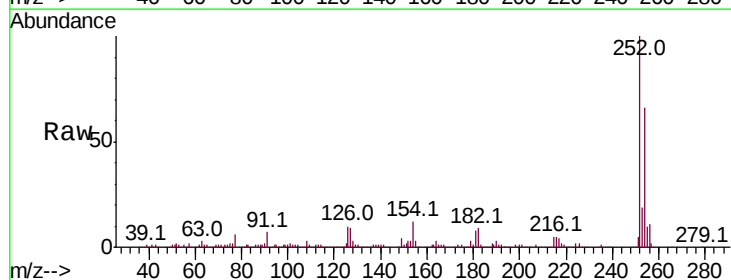
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 27.594 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.4	51.6	77.4
126	10.1	8.6	12.8

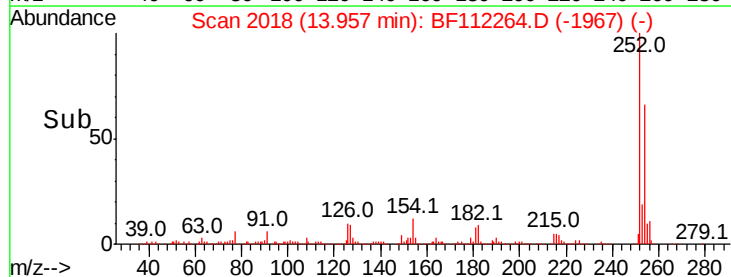
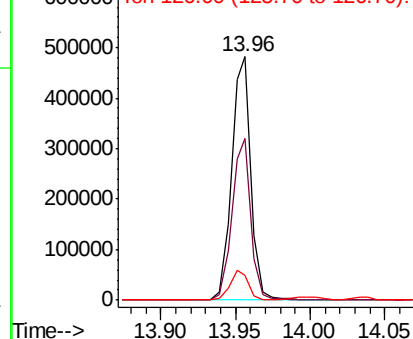


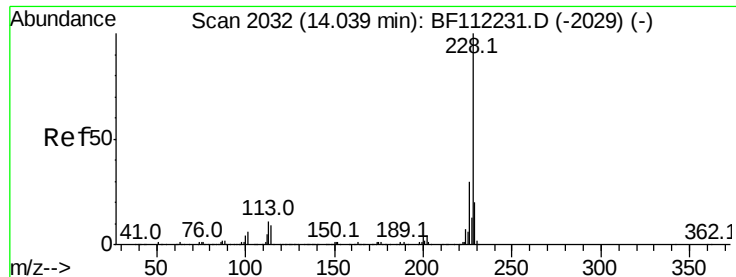
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





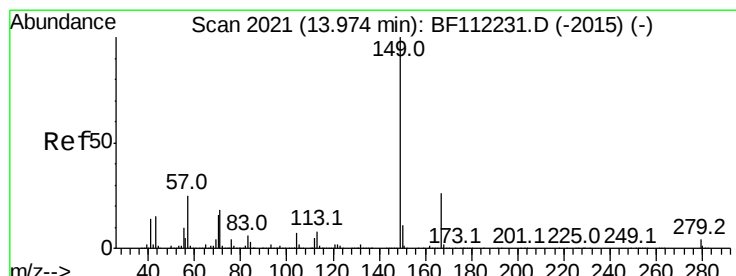
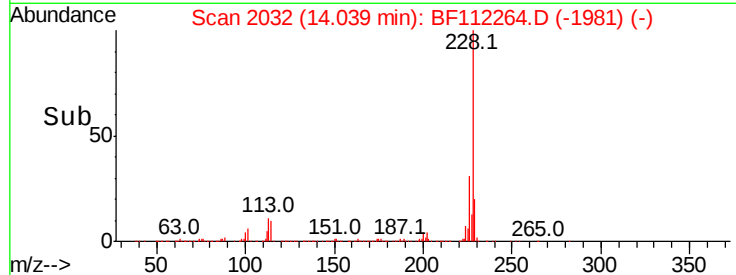
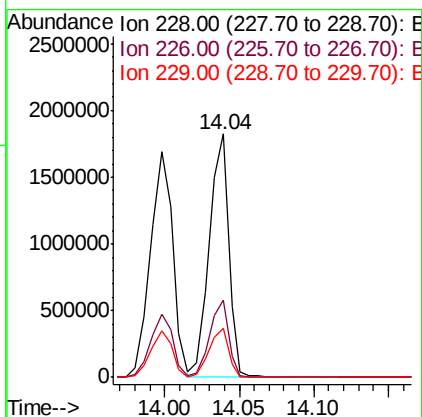
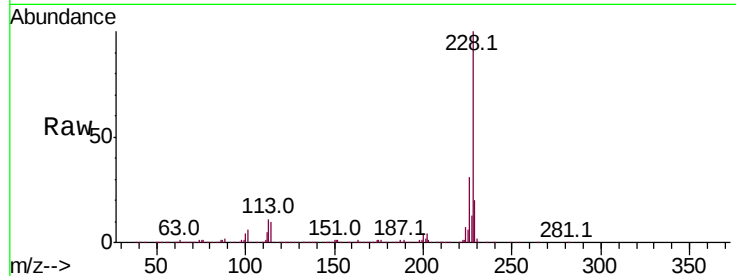
#83
Chrysene
Concen: 40.382 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.3	16.6	24.8

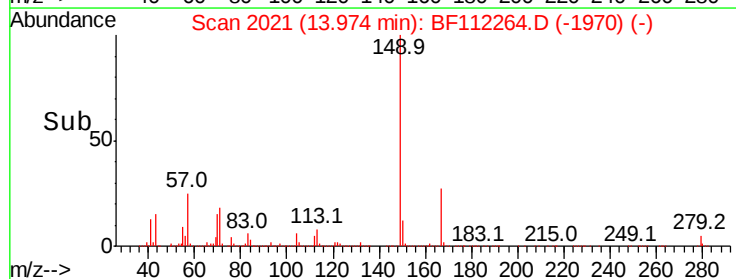
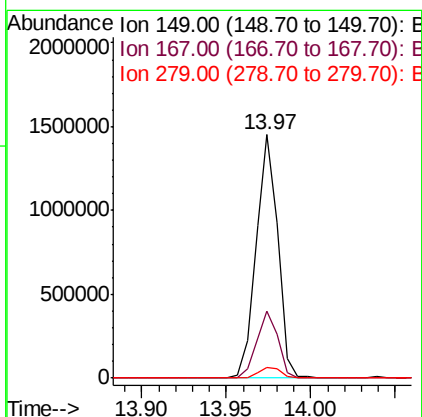
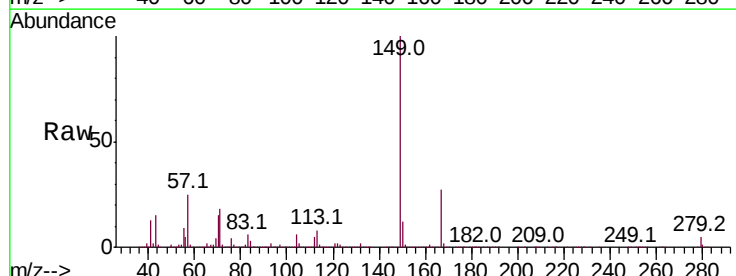
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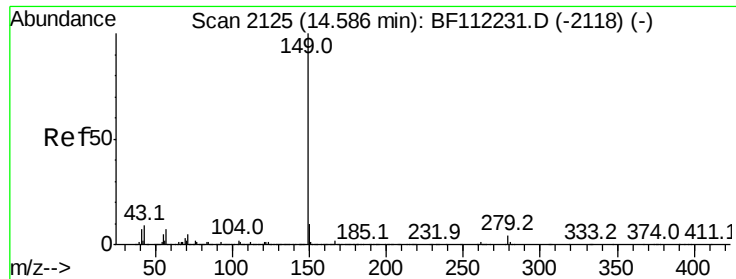
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#84
Bis(2-ethylhexyl)phthalate
Concen: 37.447 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	4.5	3.8	5.6





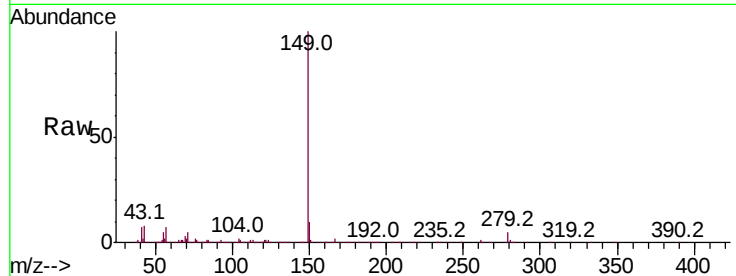
#85
Di-n-octyl phthalate
Concen: 38.786 ng
RT: 14.59 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB116607BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	7.8	11.6

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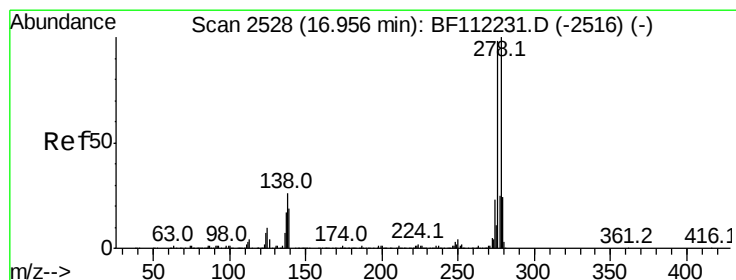
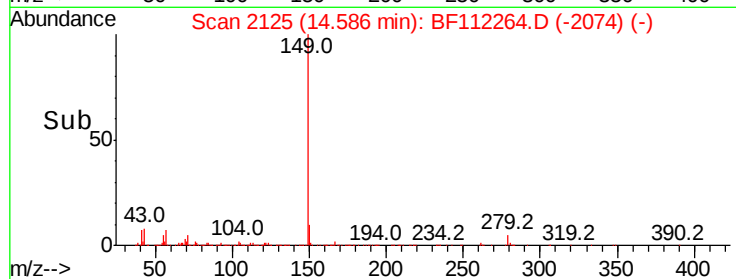
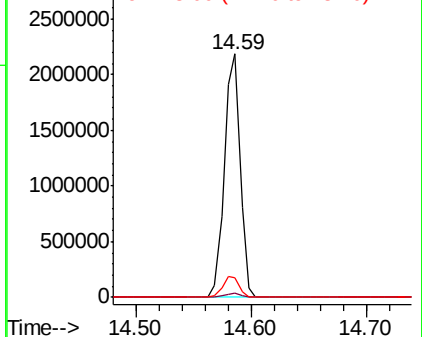


Abundance

Ion 149.00 (148.70 to 149.70): E

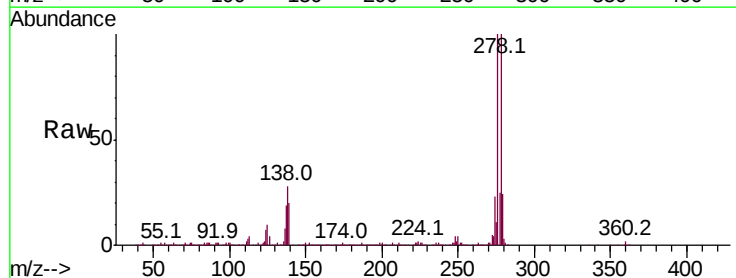
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 47.634 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BF112264.D
Acq: 28 Jan 2019 10:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	22.6	34.0
277	25.7	20.3	30.5

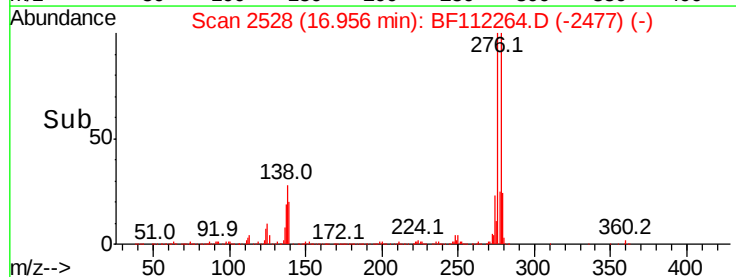
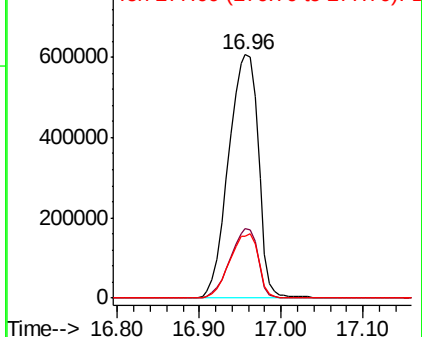


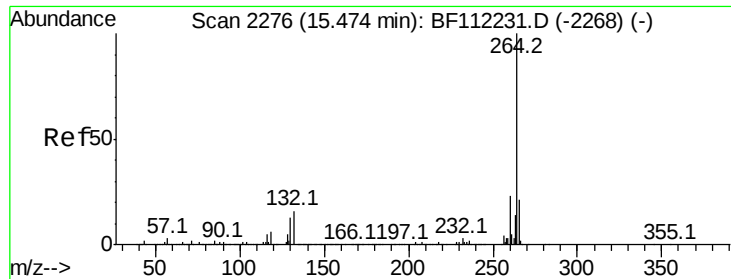
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

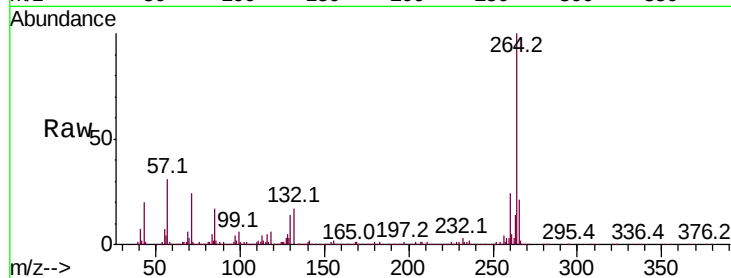
ClientSampleId :

PB116607BS

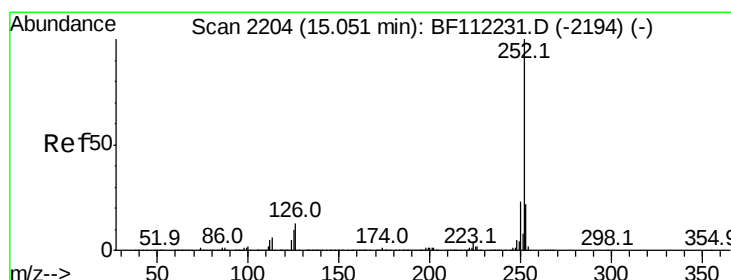
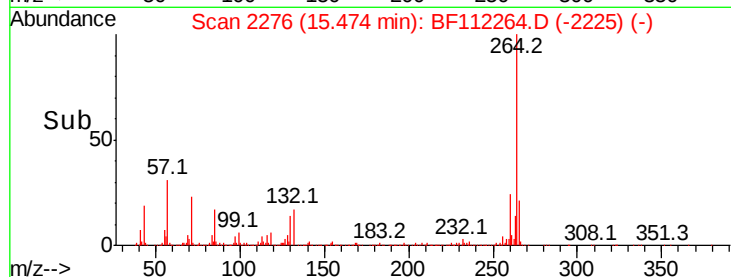
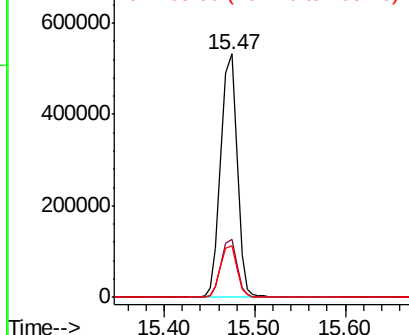
Tot Ion:	264	Resp:	672064
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.2	27.2
265	21.4	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 42.869 ng

RT: 15.05 min Scan# 2204

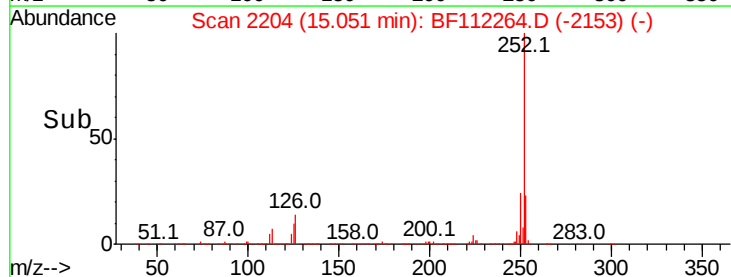
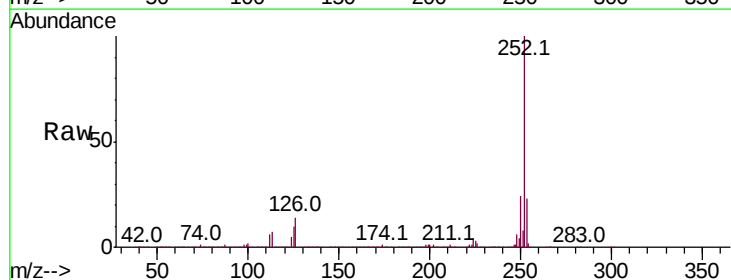
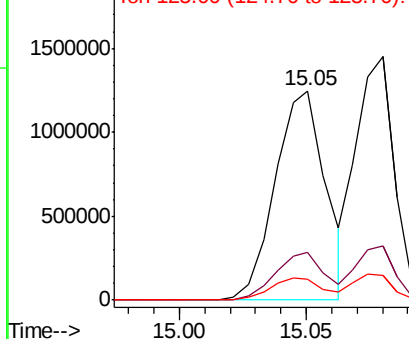
Delta R.T. 0.00 min

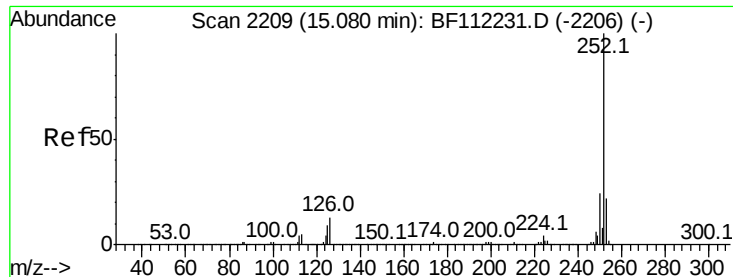
Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion:	252	Resp:	1723013
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	10.3	8.7	13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 39.846 ng

RT: 15.08 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

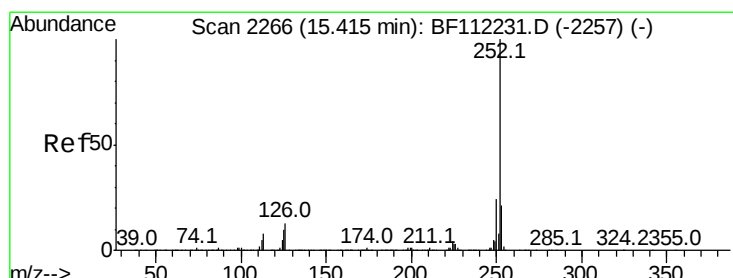
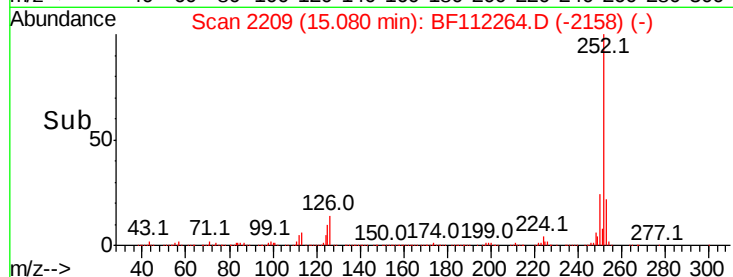
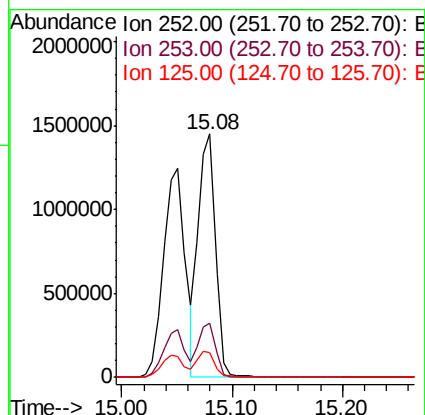
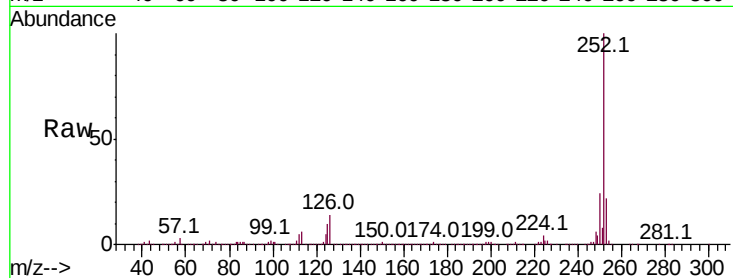
ClientSampleId :

PB116607BS

Tot Ion:252	Resp: 1534020		
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.3	9.1	13.7

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:44 AM



#90

Benzo(a)pyrene

Concen: 42.922 ng

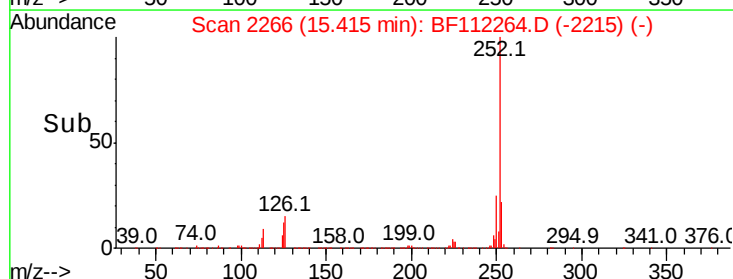
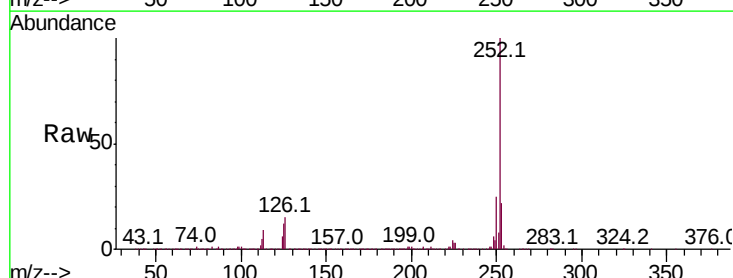
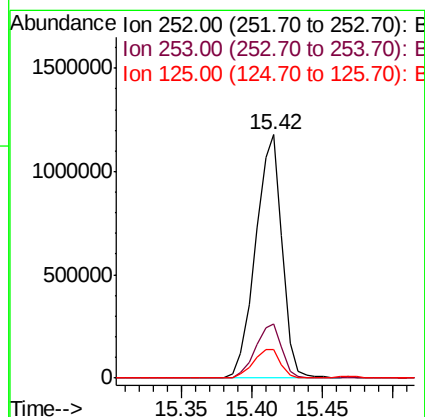
RT: 15.42 min Scan# 2266

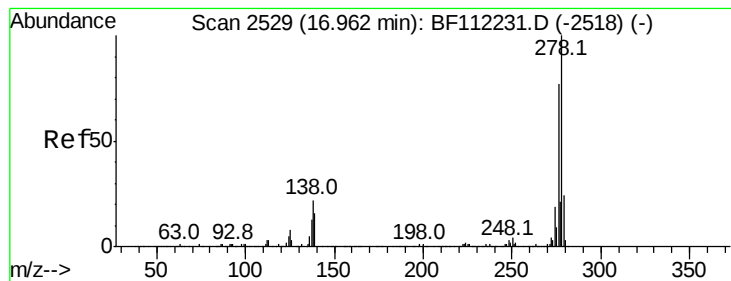
Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Tgt Ion:252	Resp: 1552283		
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.9	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 44.136 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB116607BS

Tot Ion:278 Resp: 1286420

Ion Ratio Lower Upper

278 100

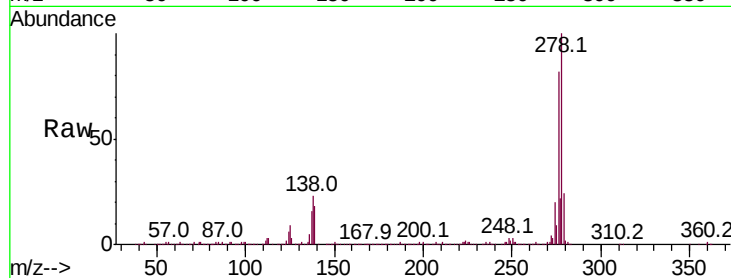
139 17.8 13.7 20.5

279 24.0 19.0 28.6

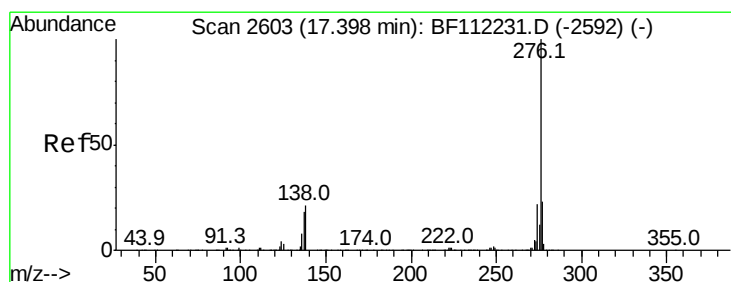
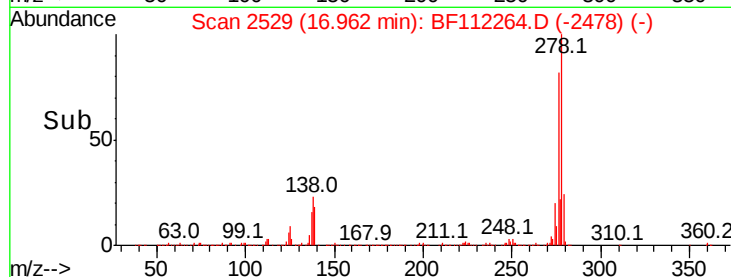
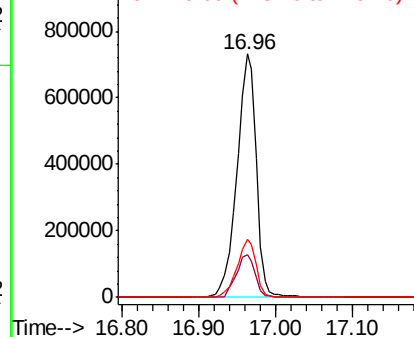
Manual Integrations
APPROVED

mohammad

1/29/2019 9:34:44 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 44.866 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BF112264.D

Acq: 28 Jan 2019 10:23

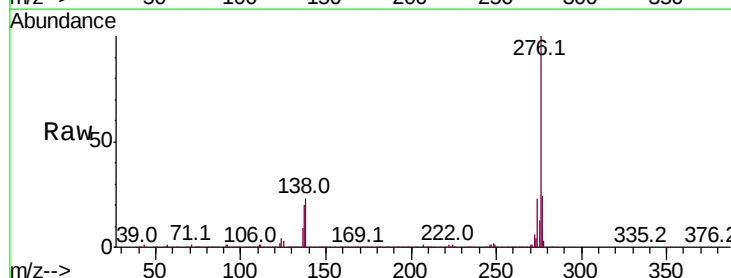
Tgt Ion:276 Resp: 1233751

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 23.0 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

