

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
 Data File : BF112246.D
 Acq On : 25 Jan 2019 21:50
 Operator : JU/SJ
 Sample : K1238-31MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4MS

Manual Integrations
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mohammad
 1/29/2019 12:31:39 AM

Quant Time: Jan 28 03:28:02 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 02:58:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	175997	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	688755	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	329750	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	592378	20.00	ng	0.00
76) Chrysene-d12	14.00	240	340384	20.00	ng	0.00
87) Perylene-d12	15.46	264	351187	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1186453	143.19	ng	0.01
7) Phenol-d6	6.49	99	1487688	129.21	ng	0.00
23) Nitrobenzene-d5	7.41	82	939500	78.60	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	452129	117.80	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1679973	72.06	ng	0.00
79) Terphenyl-d14	12.95	244	1465881	81.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	161996	49.079	ng	97
3) Pyridine	3.41	79	451738	53.802	ng	98
4) n-Nitrosodimethylamine	3.36	42	224081	63.523	ng	97
6) Aniline	6.51	93	408442	29.821	ng	# 26
8) 2-Chlorophenol	6.64	128	492494	44.183	ng	97
9) Benzaldehyde	6.39	77	92356	15.347	ng	95
10) Phenol	6.51	94	644407	51.015	ng	89
11) bis(2-Chloroethyl)ether	6.58	93	425096	42.746	ng	96
12) 1,3-Dichlorobenzene	6.79	146	521045	40.138	ng	99
13) 1,4-Dichlorobenzene	6.86	146	531094	39.753	ng	100
14) 1,2-Dichlorobenzene	7.02	146	501720	40.110	ng	98
15) Benzyl Alcohol	6.99	79	408460	42.085	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.12	45	518728	40.625	ng	69
17) 2-Methylphenol	7.10	107	384919	43.562	ng	94
18) Hexachloroethane	7.35	117	188789	40.241	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	326666	41.146	ng	96
20) 3+4-Methylphenols	7.26	107	491372	43.487	ng	# 88
22) Acetophenone	7.25	105	644710	38.441	ng	97
24) Nitrobenzene	7.43	77	486396	40.743	ng	95
25) Isophorone	7.66	82	871015	46.448	ng	99
26) 2-Nitrophenol	7.74	139	265298	41.584	ng	92
27) 2,4-Dimethylphenol	7.79	122	425303	48.385	ng	96
28) bis(2-Chloroethoxy)methane	7.87	93	549744	43.054	ng	99
29) 2,4-Dichlorophenol	7.99	162	422782	42.981	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	452210	39.994	ng	99
31) Naphthalene	8.15	128	1395211	43.317	ng	99
32) Benzoic acid	7.88	122	26916	5.368	ng	91
33) 4-Chloroaniline	8.19	127	264686	18.873	ng	97
34) Hexachlorobutadiene	8.26	225	252359	38.034	ng	99
35) Caprolactam	8.56	113	130344m	37.562	ng	
36) 4-Chloro-3-methylphenol	8.69	107	427735	41.076	ng	98
37) 2-Methylnaphthalene	8.84	142	977947	44.352	ng	97
38) 1-Methylnaphthalene	8.94	142	921320	43.594	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	439804	40.622	ng	99

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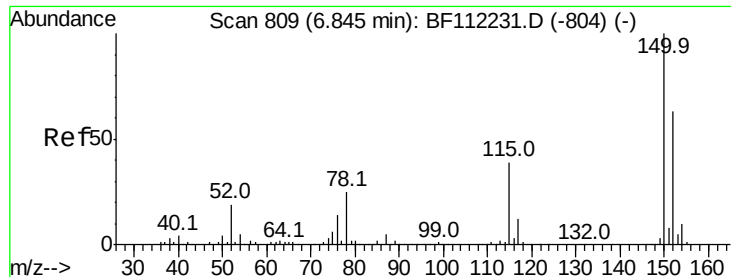
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	224367	57.688	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	286138	42.875	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	301437	43.217	nq	95
46) 1,1'-Biphenyl	9.30	154	1174440	40.740	nq	98
47) 2-Chloronaphthalene	9.33	162	905403	40.501	nq	96
48) 2-Nitroaniline	9.43	65	253575	41.617	nq	99
49) Acenaphthylene	9.75	152	1430240	43.650	nq	99
50) Dimethylphthalate	9.60	163	1241007	48.439	nq	99
51) 2,6-Dinitrotoluene	9.67	165	244027	42.529	nq	99
52) Acenaphthene	9.92	154	826159	42.208	nq	99
53) 3-Nitroaniline	9.83	138	176987	28.472	nq	88
54) 2,4-Dinitrophenol	9.95	184	54519	29.607	nq	96
55) Dibenzofuran	10.09	168	1239610	41.443	nq	94
56) 4-Nitrophenol	10.02	139	273122	83.105	nq	90
57) 2,4-Dinitrotoluene	10.07	165	316432	43.319	nq	92
58) Fluorene	10.43	166	975987	43.603	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.21	232	235094	44.601	nq	95
60) Diethylphthalate	10.30	149	1054578	41.478	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	481276	39.527	nq	91
62) 4-Nitroaniline	10.45	138	223969	36.733	nq	95
63) Azobenzene	10.58	77	905821	40.510	nq	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	95051	28.619	nq	93
66) n-Nitrosodiphenylamine	10.54	169	869478	43.551	nq	100
67) 4-Bromophenyl-phenylether	10.91	248	291583	41.851	nq	94
68) Hexachlorobenzene	10.99	284	309717	41.434	nq	96
69) Atrazine	11.06	200	282954	43.923	nq	97
70) Pentachlorophenol	11.18	266	227810	78.324	nq	99
71) Phenanthrene	11.39	178	1334631	43.337	nq	99
72) Anthracene	11.45	178	1371359	44.702	nq	99
73) Carbazole	11.60	167	1151873	38.065	nq	99
74) Di-n-butylphthalate	11.92	149	1524942	40.599	nq	99
75) Fluoranthene	12.58	202	1221417	36.977	nq	98
77) Benzidine	12.69	184	426903	45.568	nq	96
78) Pyrene	12.81	202	1165664	49.463	nq	99
80) Butylbenzylphthalate	13.42	149	522446	45.821	nq	99
81) Benzo(a)anthracene	13.99	228	867823	43.370	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	221067	29.521	nq	100
83) Chrysene	14.03	228	819313	42.896	nq	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	697803	43.115	nq	98
85) Di-n-octyl phthalate	14.58	149	1028098	41.288	nq	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	966652	63.870	nq	97
88) Benzo(b)fluoranthene	15.04	252	874630	41.644	nq	99
89) Benzo(k)fluoranthene	15.07	252	796634	39.599	nq	99
90) Benzo(a)pyrene	15.41	252	829157	43.875	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	812352	53.336	nq	99
92) Benzo(g,h,i)perylene	17.39	276	787911	54.832	nq	98

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



#1

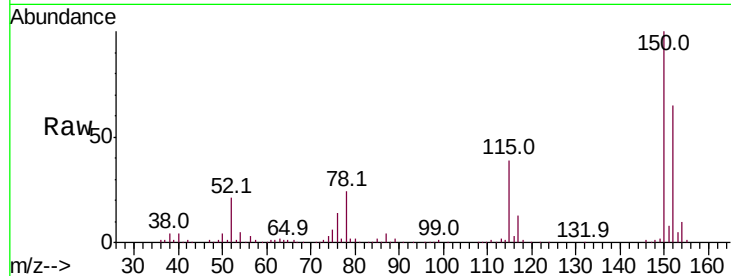
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	60.4	45.5	68.3

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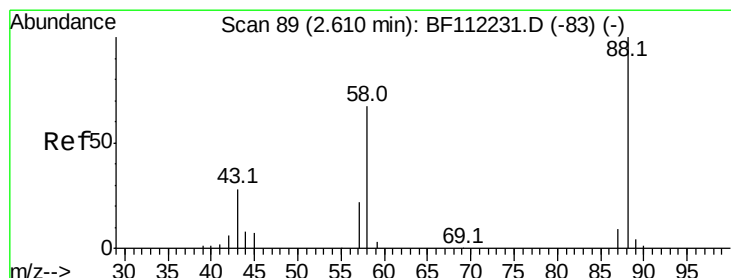
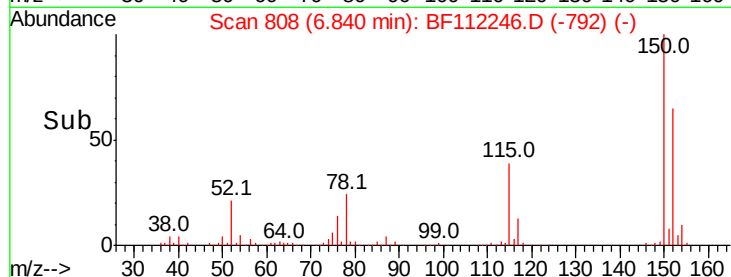
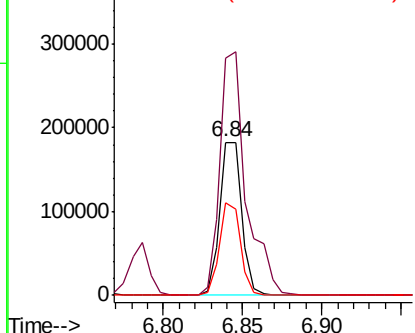


Abundance

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: 49.079 ng
RT: 2.66 min Scan# 97
Delta R.T. 0.05 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

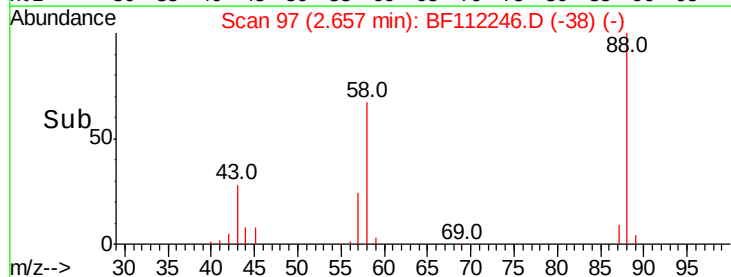
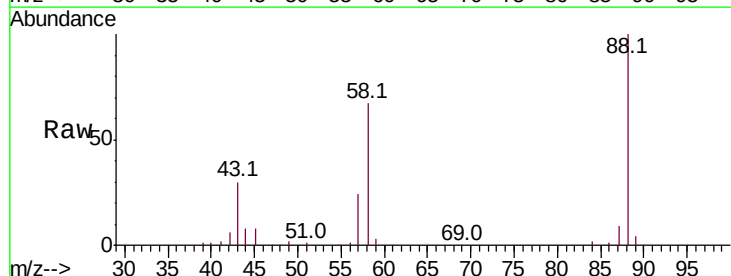
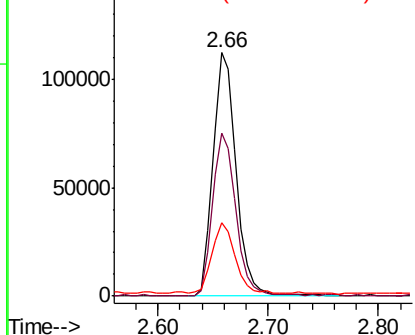
Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.3	57.4	86.2
43	28.6	22.2	33.4

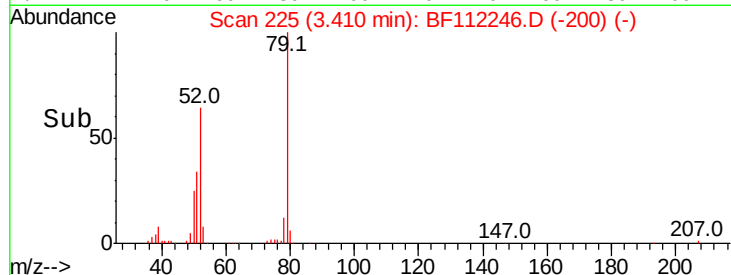
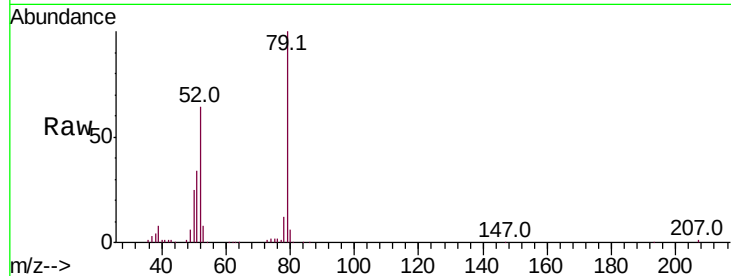
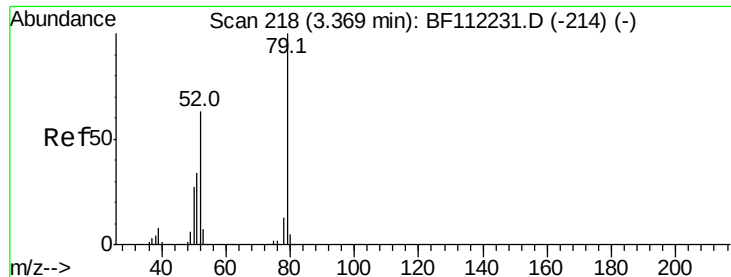
Abundance

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: 53.802 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.05 min

Lab File: BF112246.D

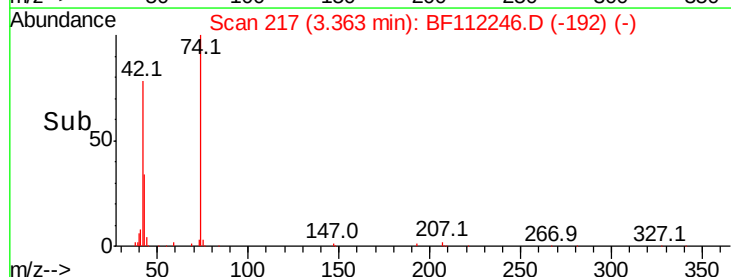
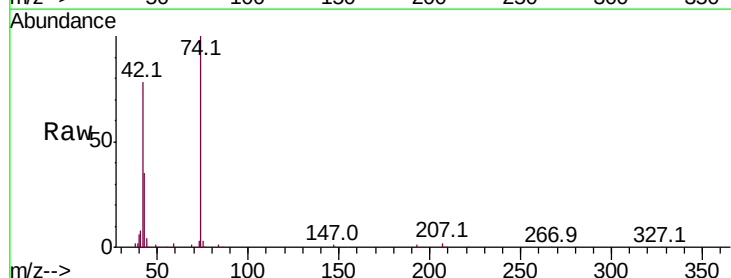
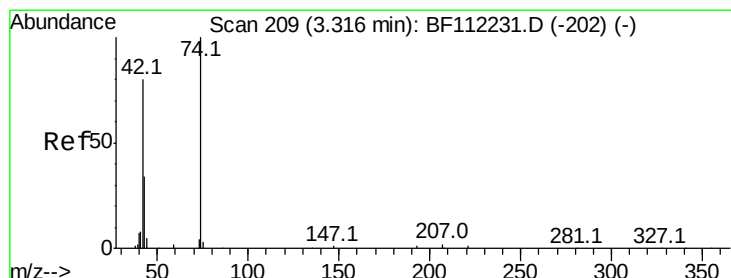
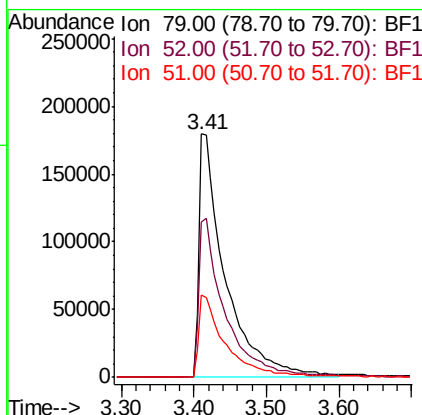
Acq: 25 Jan 2019 21:50

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.0	52.4	78.6
51	33.7	26.1	39.1

Instrument :
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S4MS

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#4

n-Nitrosodimethylamine

Concen: 63.523 ng

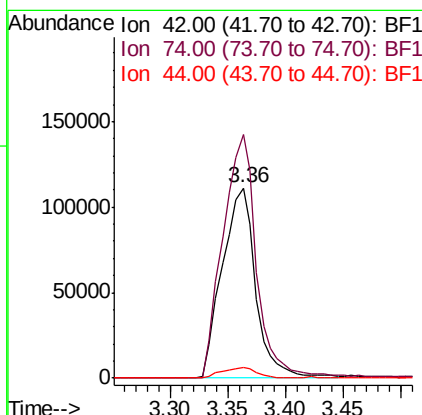
RT: 3.36 min Scan# 217

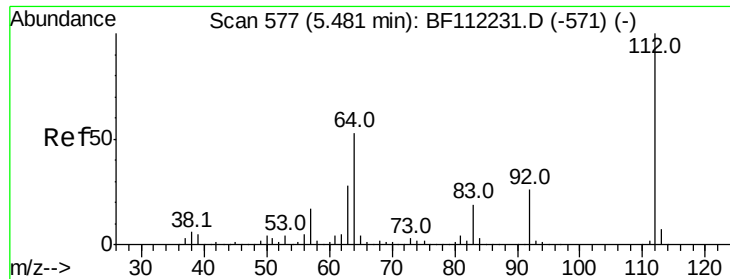
Delta R.T. 0.05 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
42	100		
74	128.2	105.6	158.4
44	5.8	5.4	8.2





#5

2-Fluorophenol

Concen: 143.190 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampled :

S4MS

Tot Ion: 112 Resp: 1186453

Ion Ratio Lower Upper

112 100

64 53.9 45.7 68.5

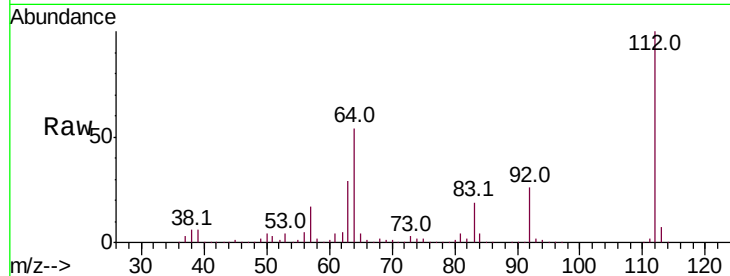
63 29.1 23.6 35.4

Manual Integrations

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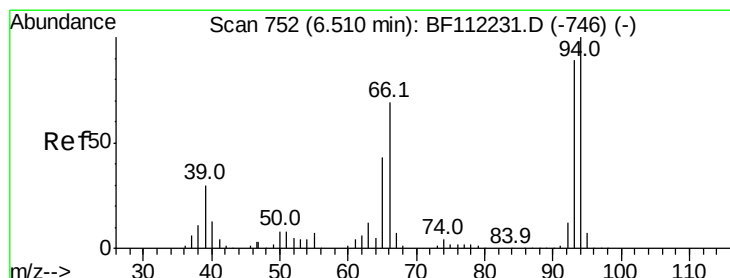
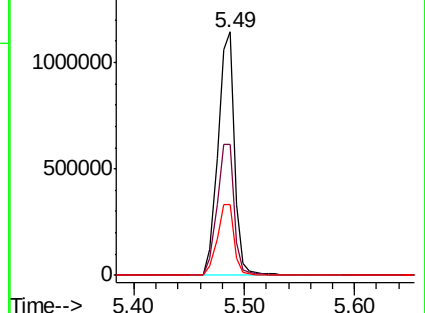
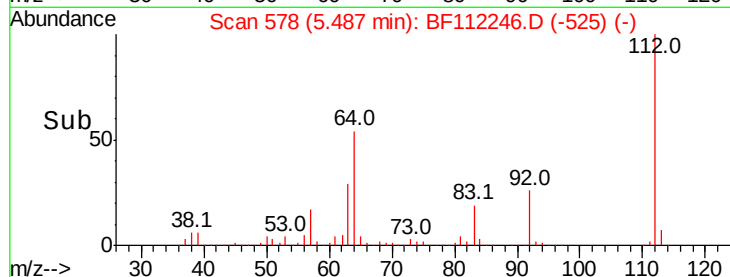
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.821 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

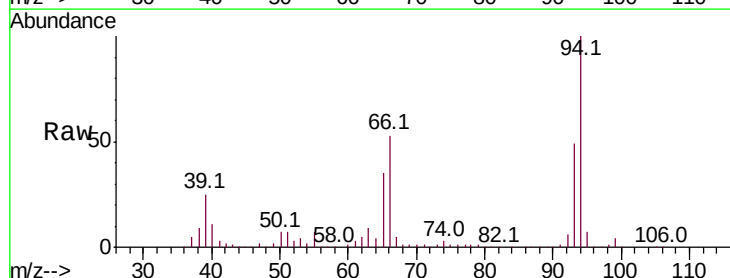
Tgt Ion: 93 Resp: 408442

Ion Ratio Lower Upper

93 100

66 108.9 43.4 65.2#

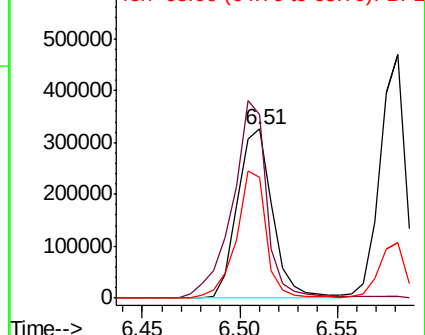
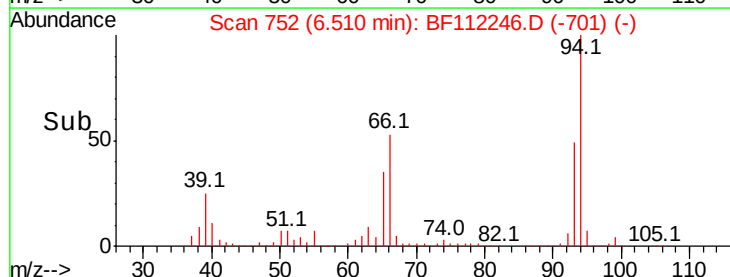
65 71.3 25.3 37.9#

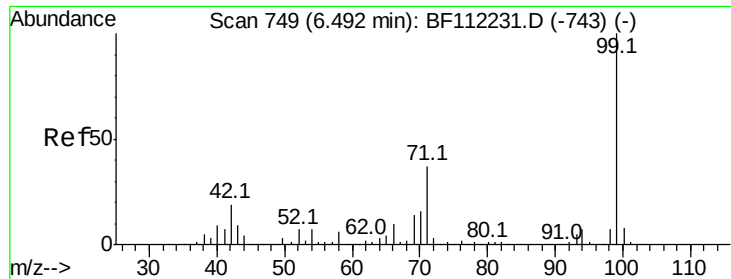


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 129.211 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampled :

S4MS

Tot Ion: 99 Resp: 1487688

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

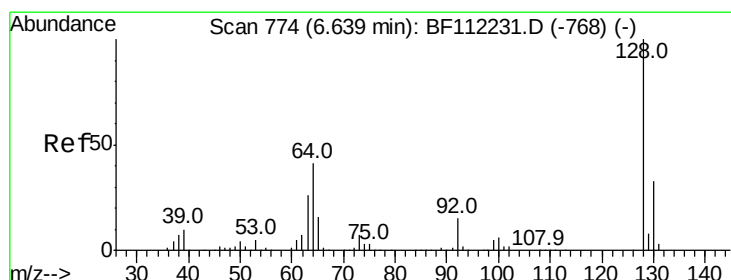
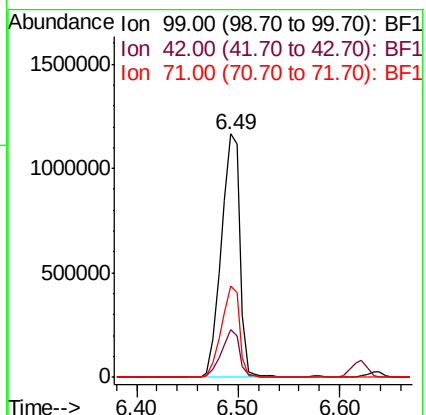
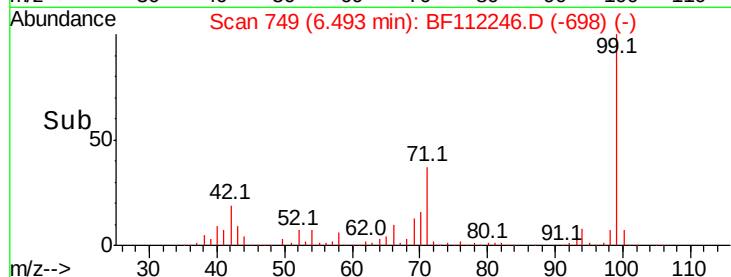
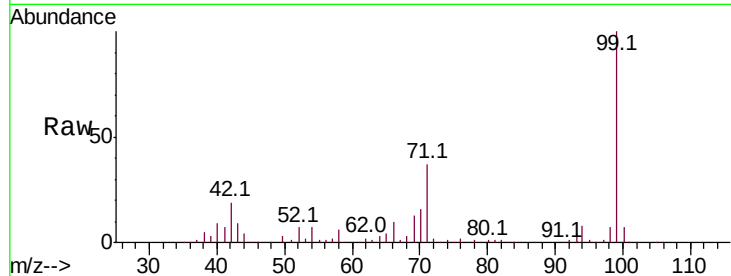
71 37.4 26.9 40.3

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#8

2-Chlorophenol

Concen: 44.183 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

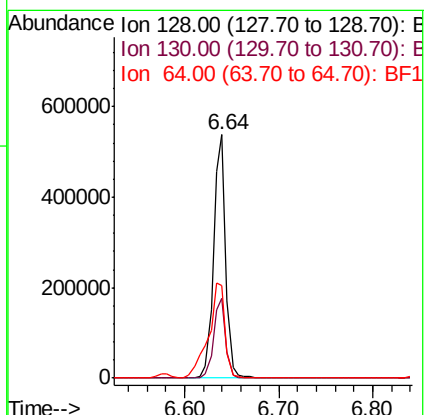
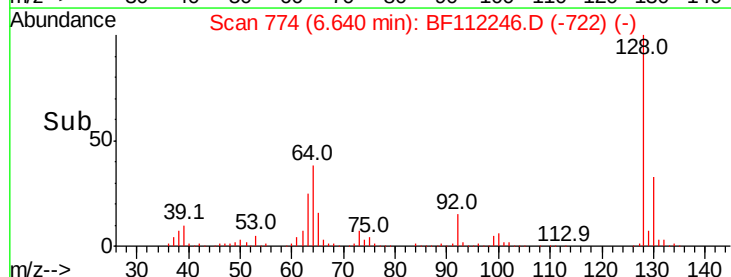
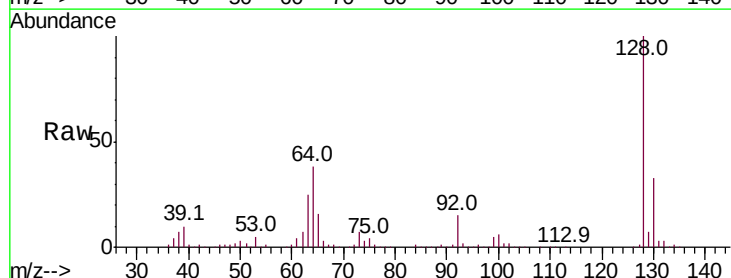
Tgt Ion: 128 Resp: 492494

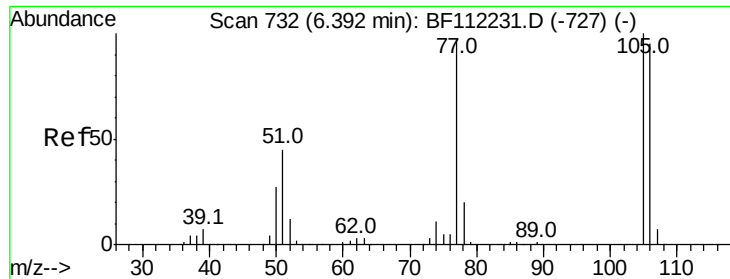
Ion Ratio Lower Upper

128 100

130 33.0 13.4 53.4

64 38.0 20.5 60.5





#9

Benzaldehyde

Concen: 15.347 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

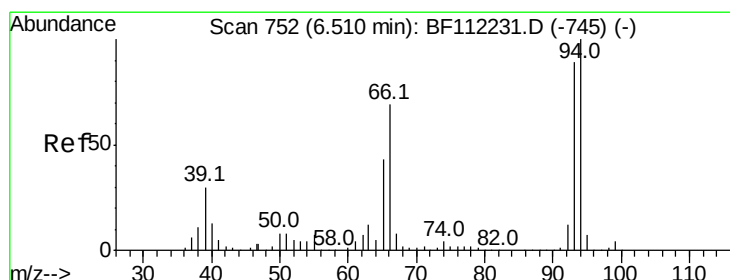
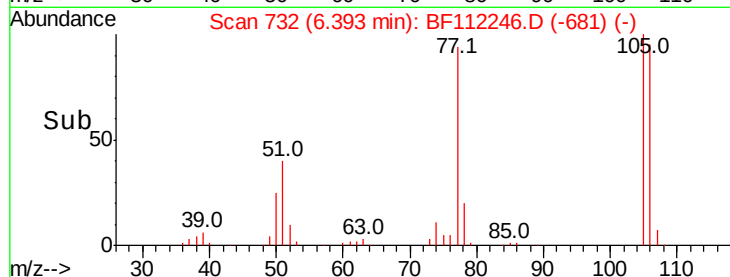
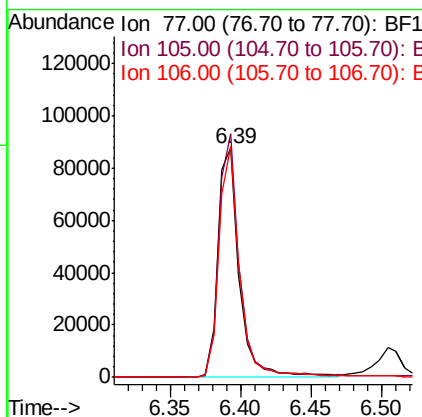
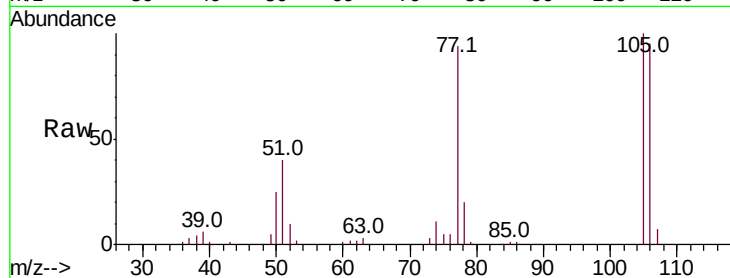
ClientSampleId :

S4MS

Tot Ion:	77	Resp:	92356
Ion	Ratio	Lower	Upper
77	100		
105	106.1	80.8	120.8
106	100.4	75.7	115.7

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#10

Phenol

Concen: 51.015 ng

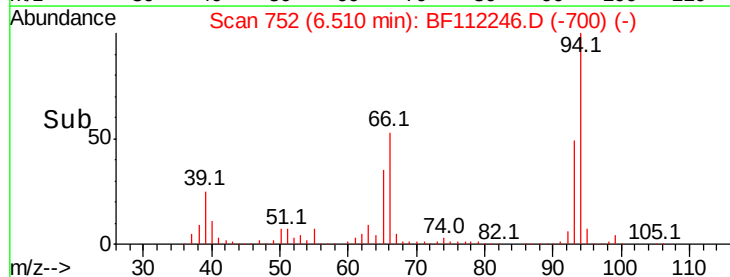
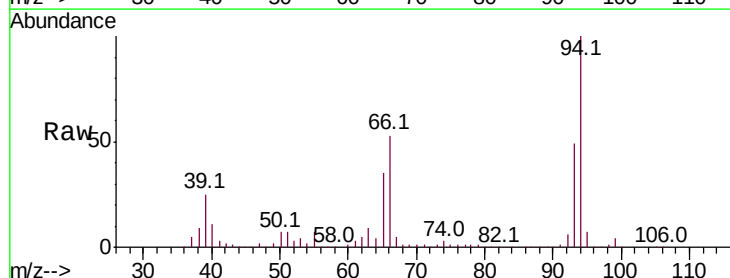
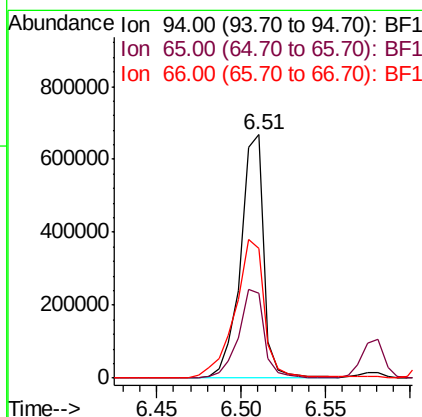
RT: 6.51 min Scan# 752

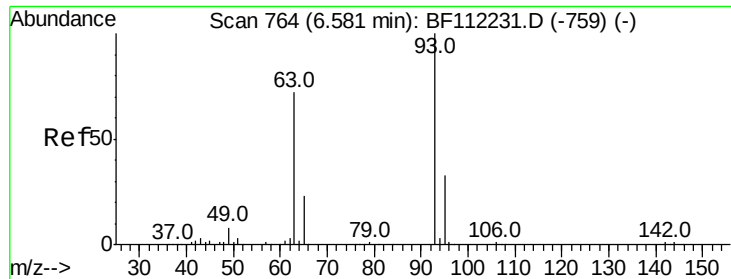
Delta R.T. 0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Tgt Ion:	94	Resp:	644407
Ion	Ratio	Lower	Upper
94	100		
65	34.7	20.3	60.3
66	53.1	42.4	82.4





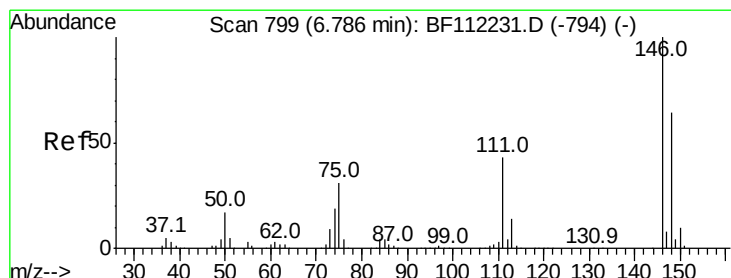
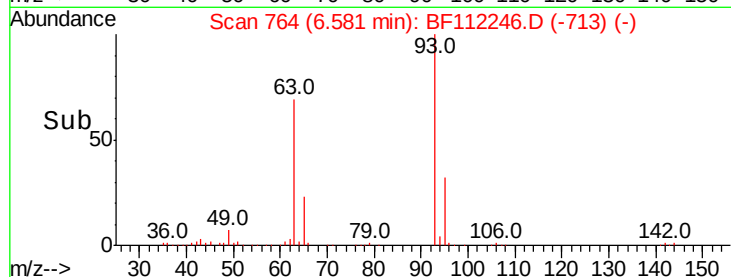
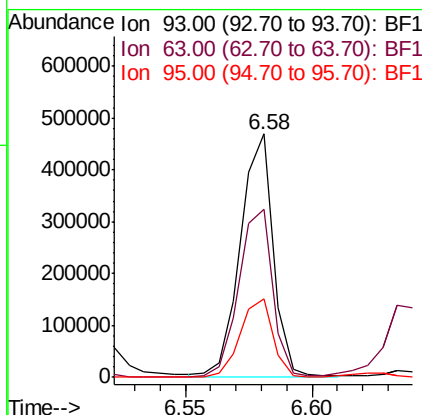
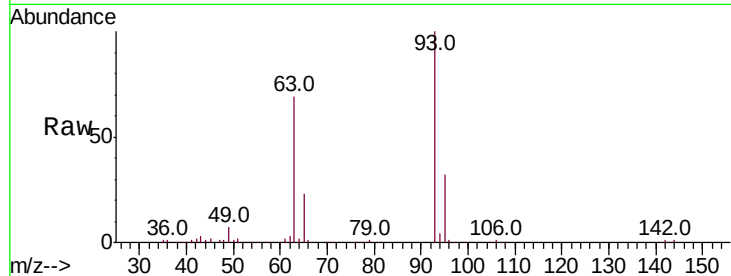
#11
bis(2-Chloroethyl)ether
Concen: 42.746 ng
RT: 6.58 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.9	53.3	93.3
95	32.3	13.4	53.4

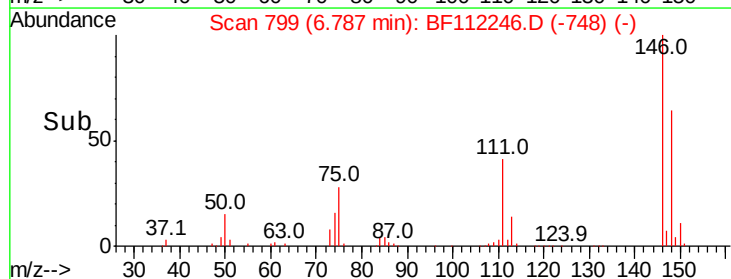
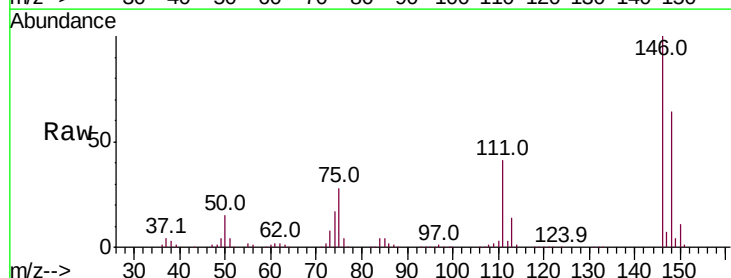
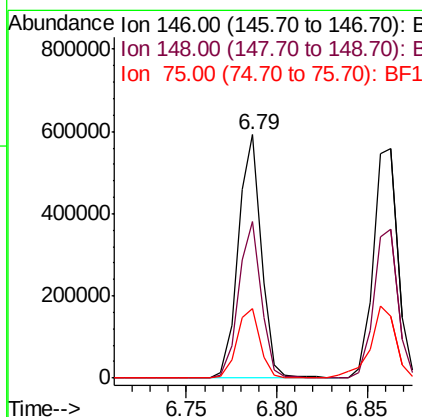
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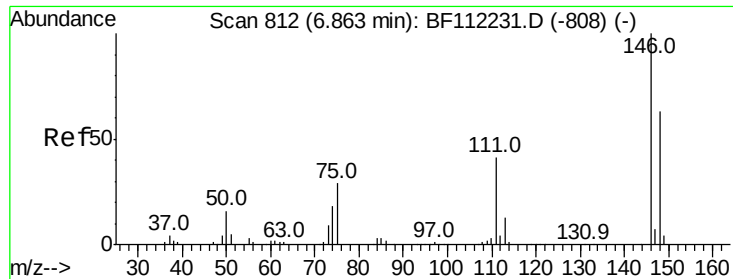
mohammad
1/29/2019 12:31:39 AM



#12
1,3-Dichlorobenzene
Concen: 40.138 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	28.4	23.1	34.7





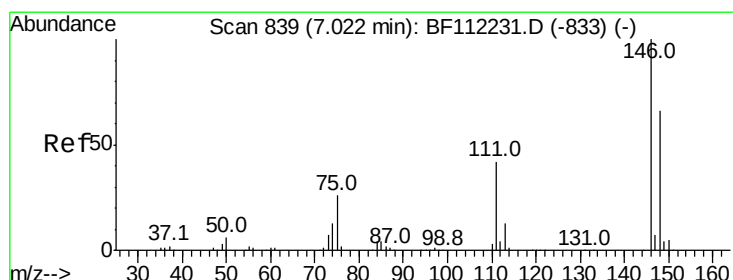
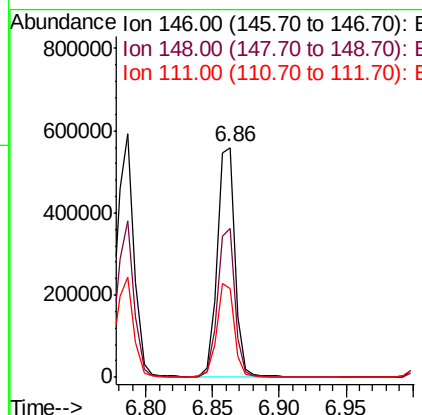
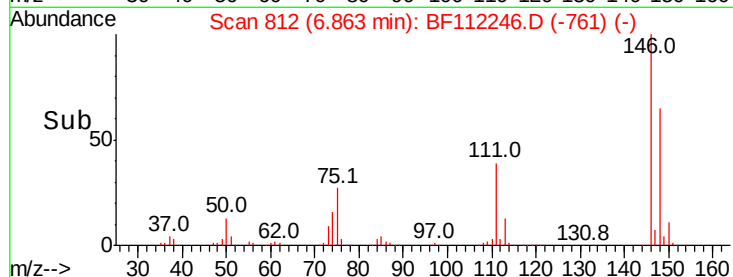
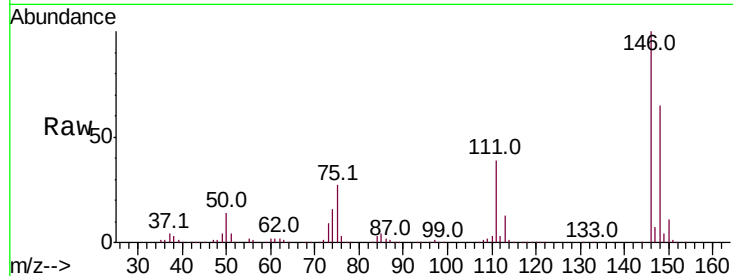
#13
1,4-Dichlorobenzene
Concen: 39.753 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.0	78.0
111	38.8	31.2	46.8

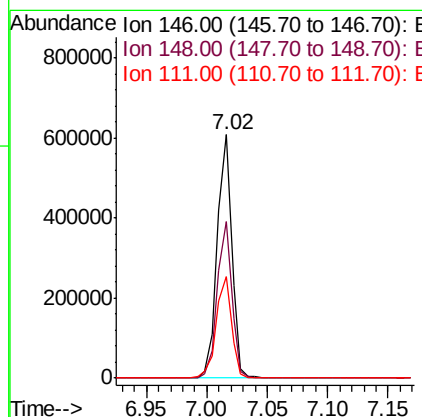
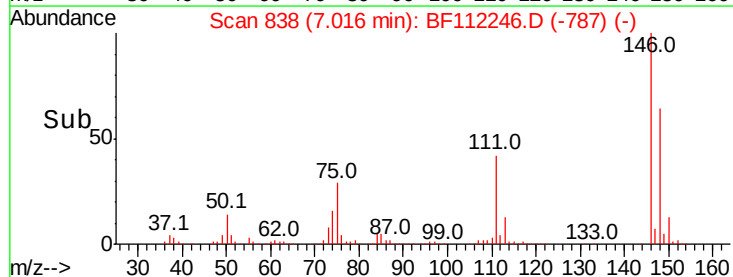
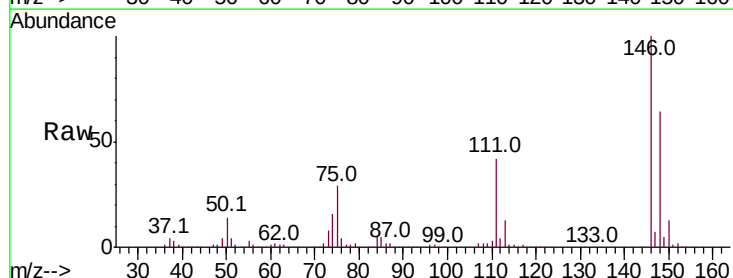
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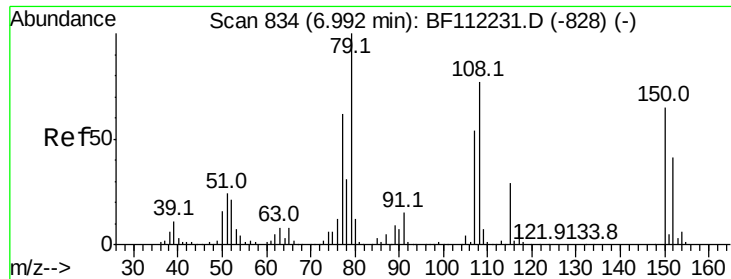
mohammad
1/29/2019 12:31:39 AM



#14
1,2-Dichlorobenzene
Concen: 40.110 ng
RT: 7.02 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.4
111	41.8	31.2	46.8





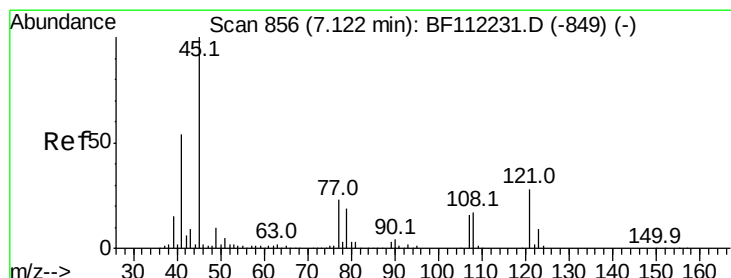
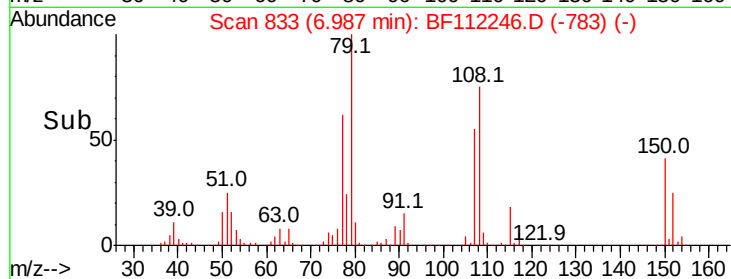
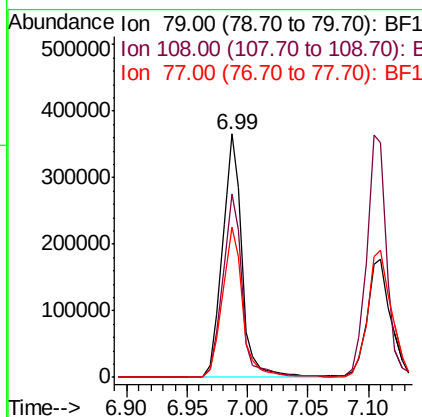
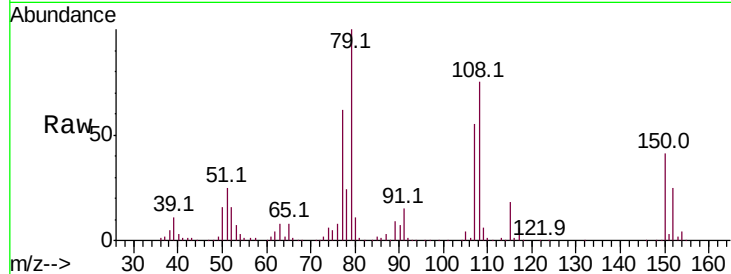
#15
Benzyl Alcohol
Concen: 42.085 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	75.2	64.2	96.2		
77	61.9	50.3	75.5		

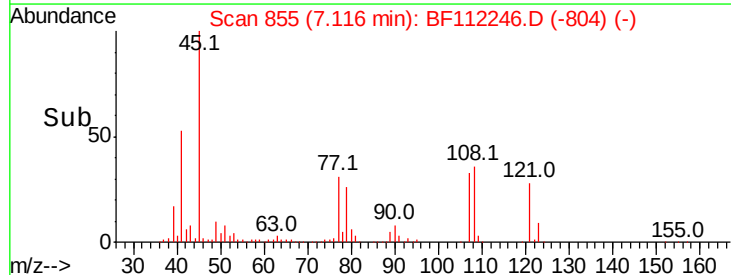
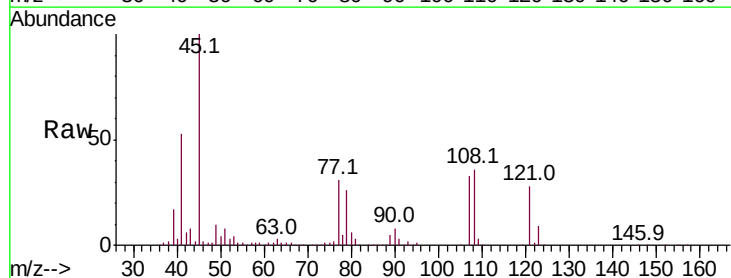
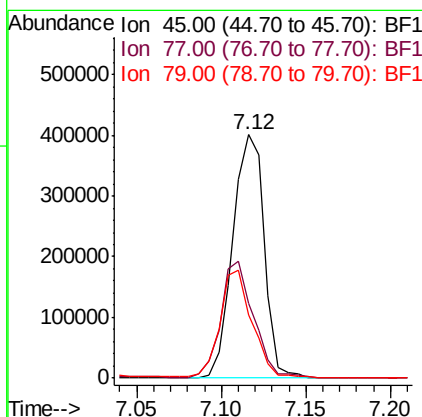
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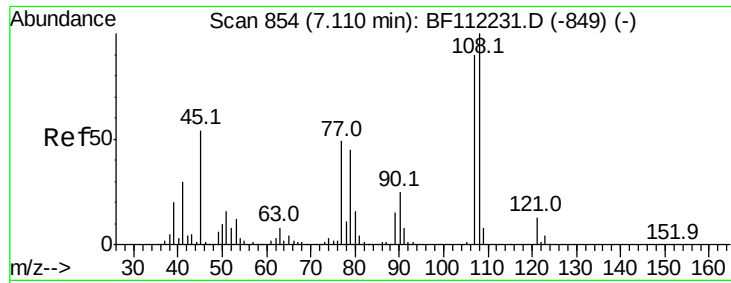
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#16
2,2'-oxybis(1-chloropropane)
Concen: 40.625 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	30.8	0.0	36.9		
79	26.1	0.0	34.0		





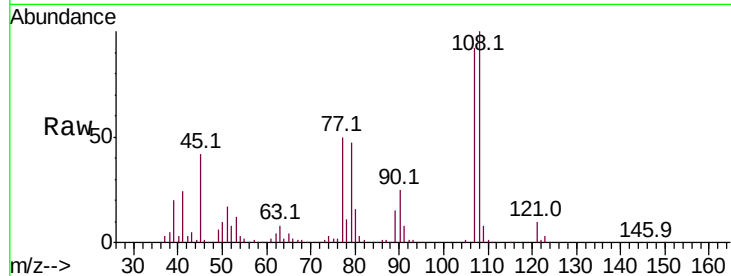
#17
2-Methylphenol
Concen: 43.562 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

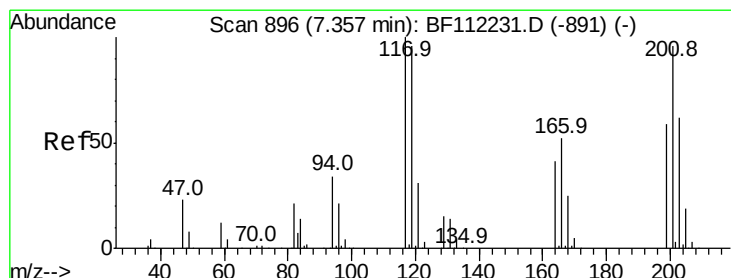
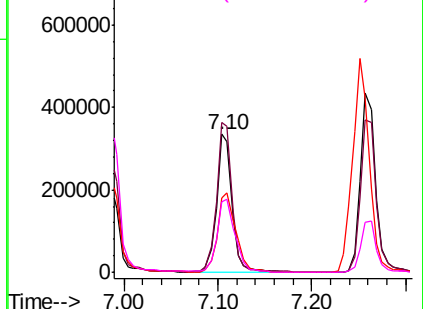
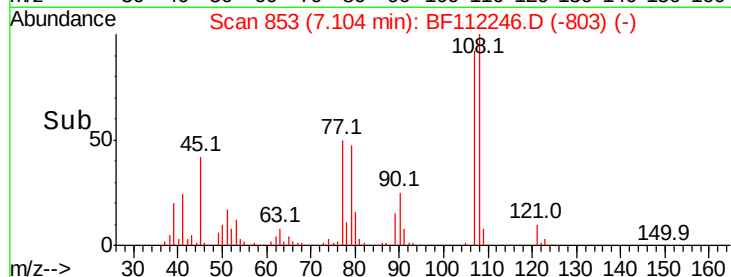
Tot Ion:	107	Resp:	384919
Ion Ratio	Lower	Upper	
107	100		
108	109.2	91.3	136.9
77	54.2	39.0	58.6
79	50.9	37.0	55.4

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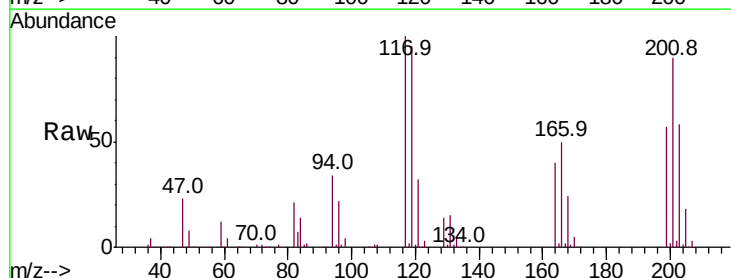


Abundance Ion 107.00 (106.70 to 107.70): E
800000
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

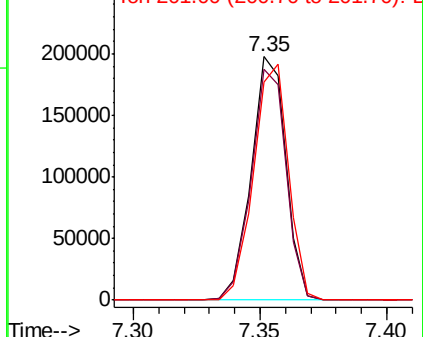
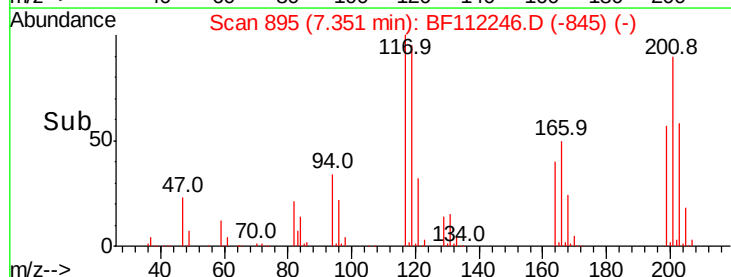


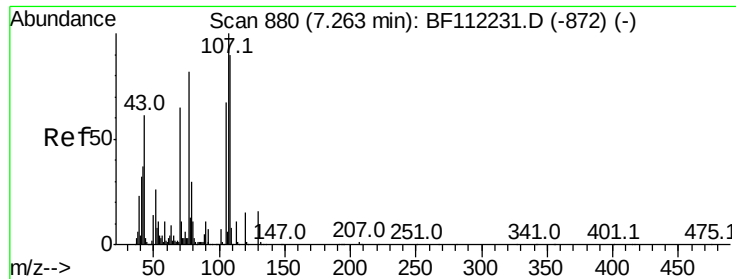
#18
Hexachloroethane
Concen: 40.241 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion:	117	Resp:	188789
Ion Ratio	Lower	Upper	
117	100		
119	94.6	77.0	115.4
201	89.8	74.1	111.1



Abundance Ion 117.00 (116.70 to 117.70): E
250000
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





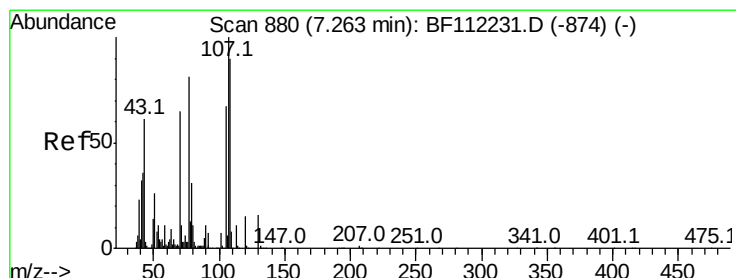
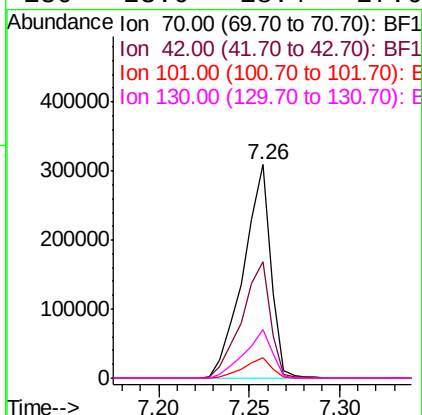
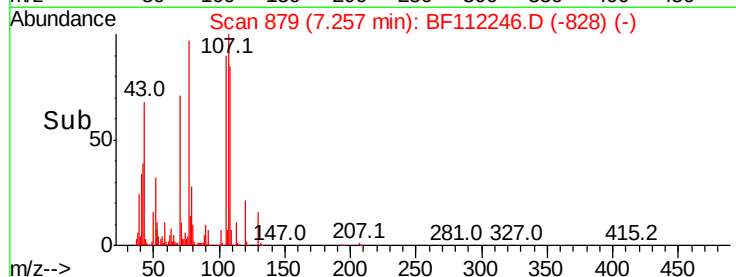
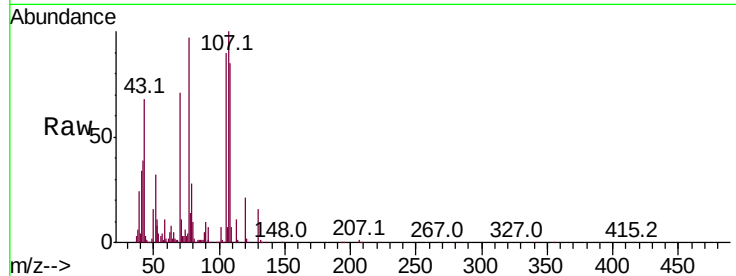
#19
n-Nitroso-di-n-propylamine
Concen: 41.146 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	54.7	47.6	71.4	
101	9.8	7.9	11.9	
130	23.0	18.4	27.6	

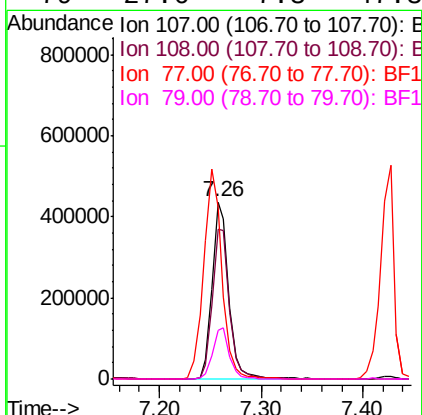
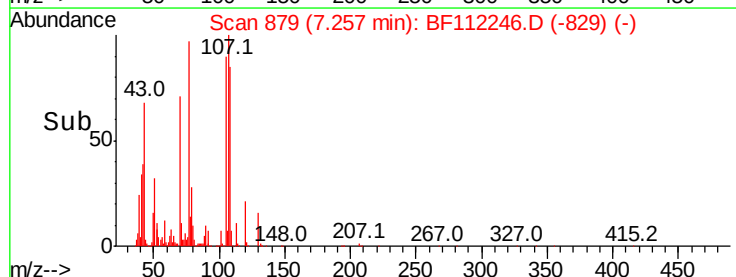
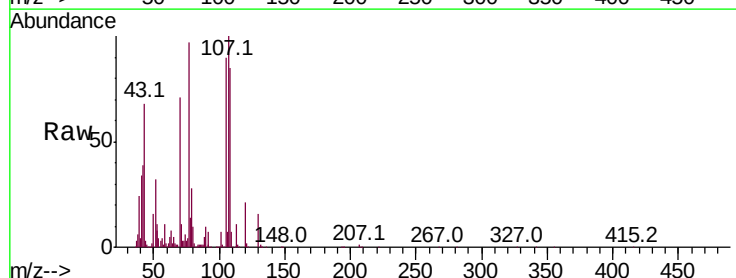
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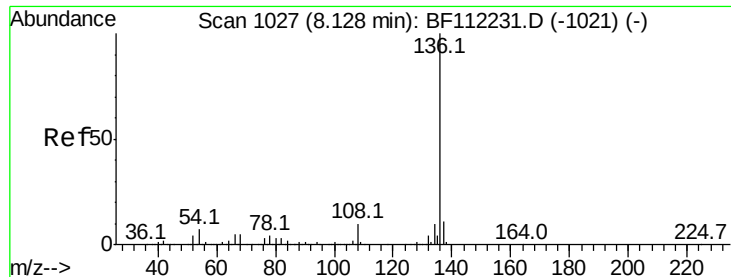
mohammad
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#20
3+4-Methylphenols
Concen: 43.487 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.1	68.2	108.2	
77	97.2	100.7	140.7#	
79	27.6	7.3	47.3	





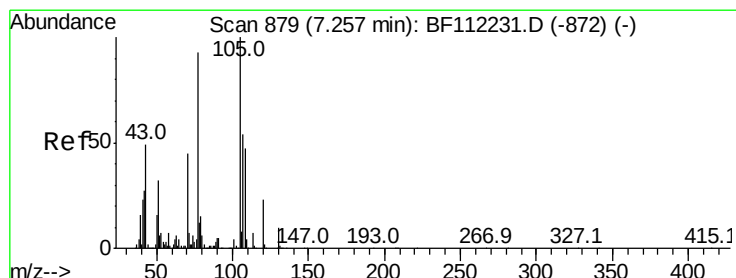
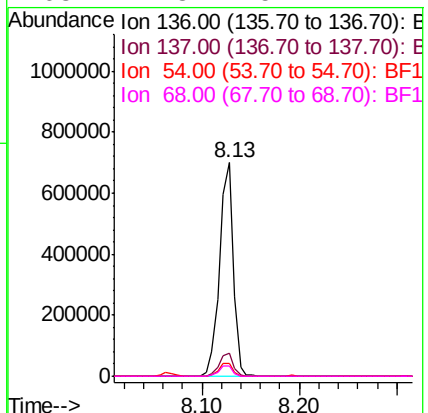
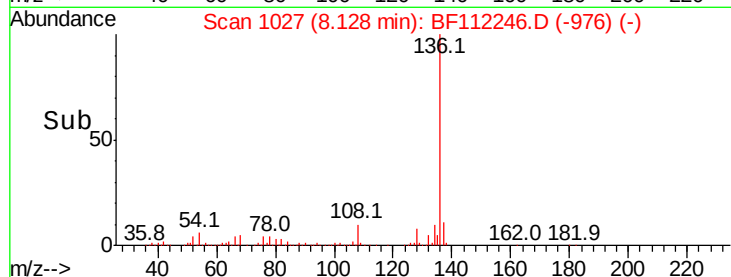
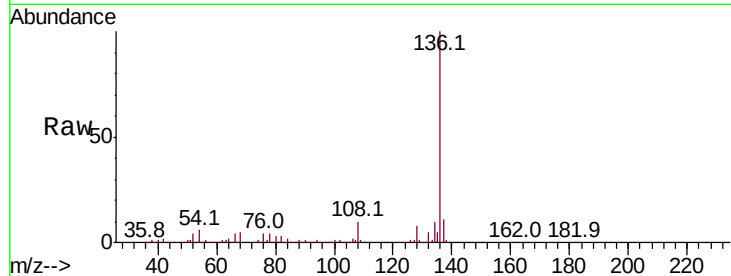
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	5.9	5.9	8.9#	
68	4.8	5.1	7.7#	

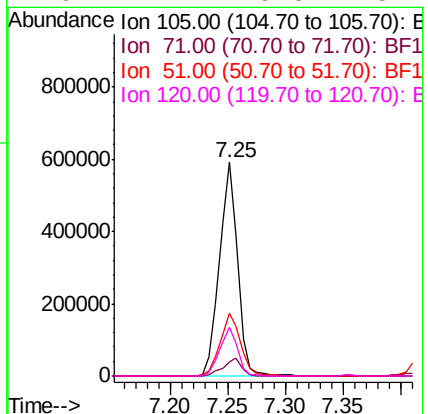
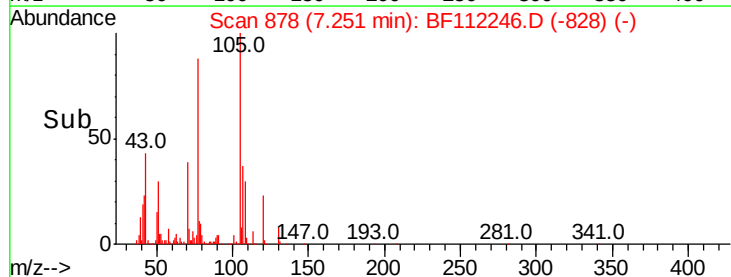
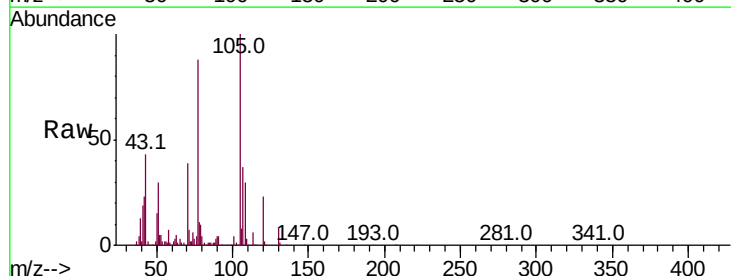
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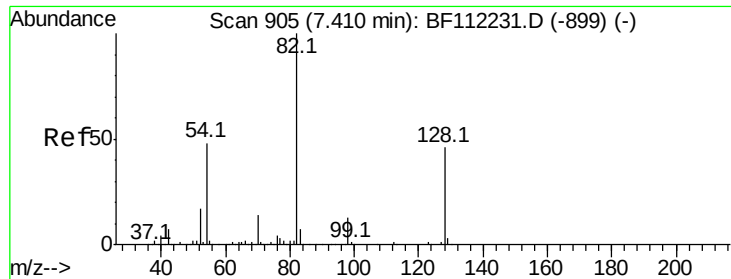
mohammad
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#22
Acetophenone
Concen: 38.441 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.6	4.6	6.8	
51	29.6	25.0	37.6	
120	22.7	19.0	28.4	





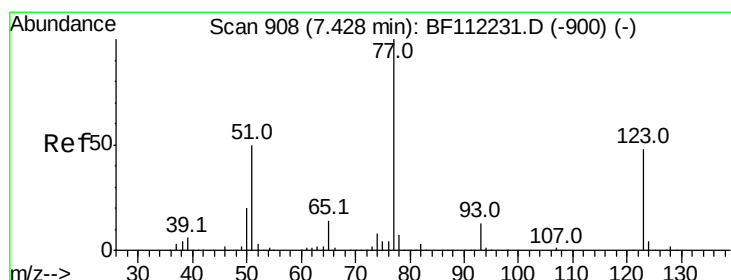
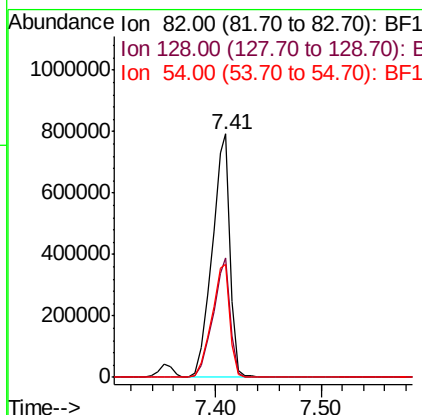
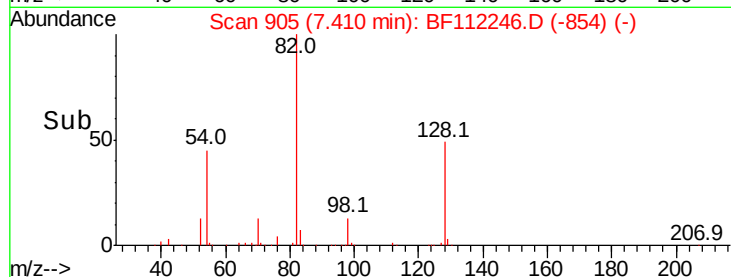
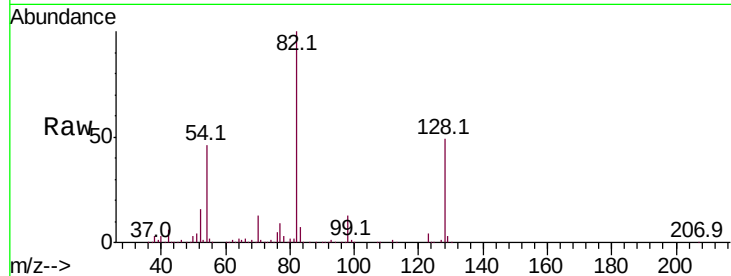
#23
 Nitrobenzene-d5
 Concen: 78.597 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 S4MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.8	56.8
54	46.2	39.7	59.5

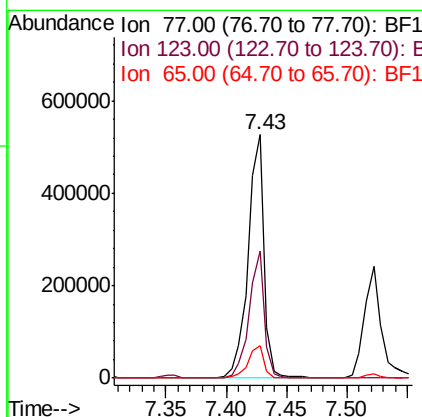
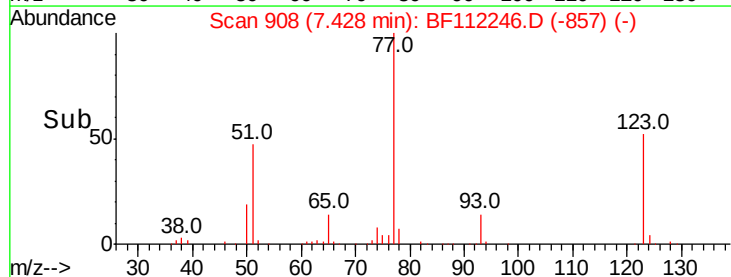
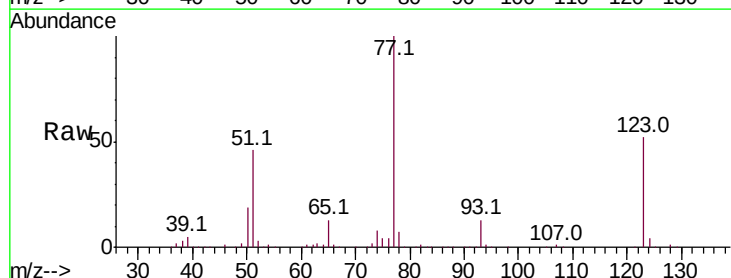
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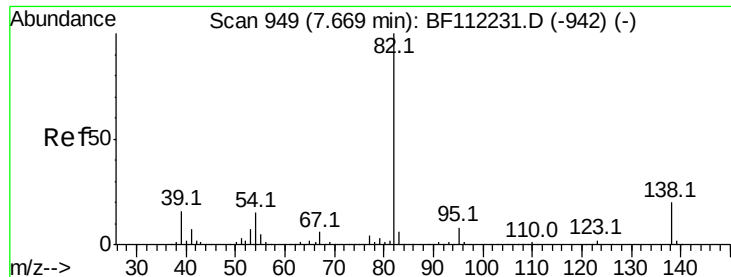
mohammad
 1/29/2019 12:31:39 AM



#24
 Nitrobenzene
 Concen: 40.743 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.2	38.4	57.6
65	13.4	10.6	15.8





#25

Isophorone

Concen: 46.448 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

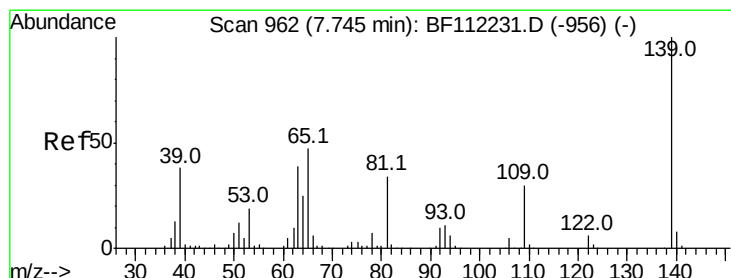
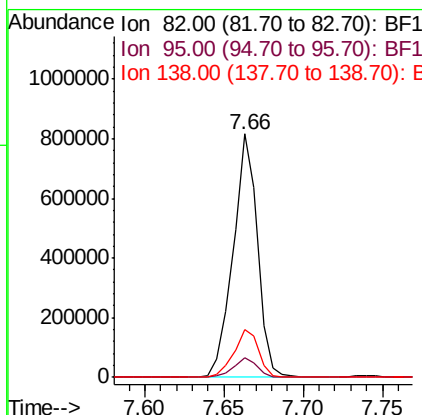
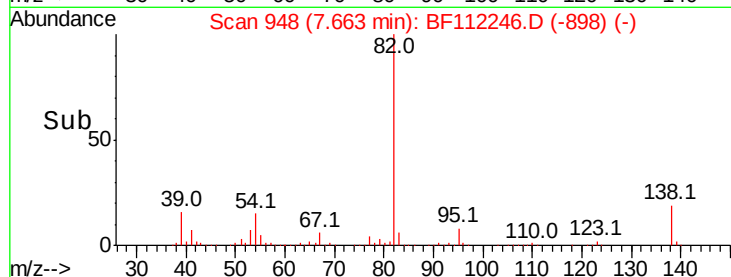
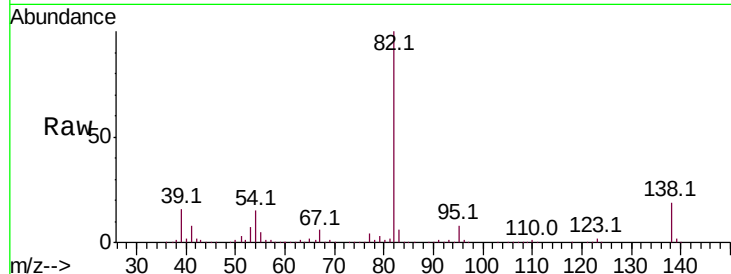
ClientSampled :

S4MS

Tot Ion:	82	Resp:	871015
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.7	8.5
138	19.4	15.4	23.0

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#26

2-Nitrophenol

Concen: 41.584 ng

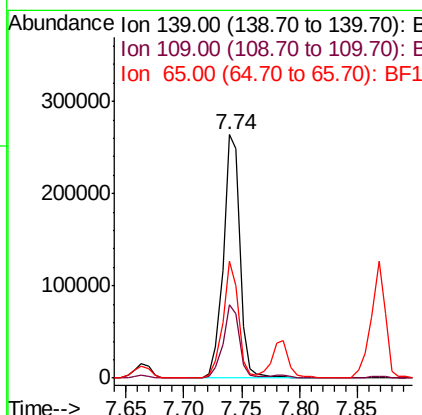
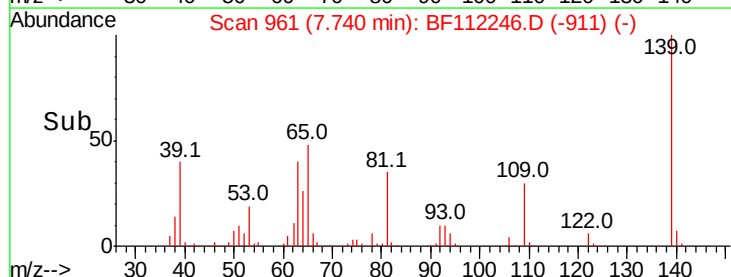
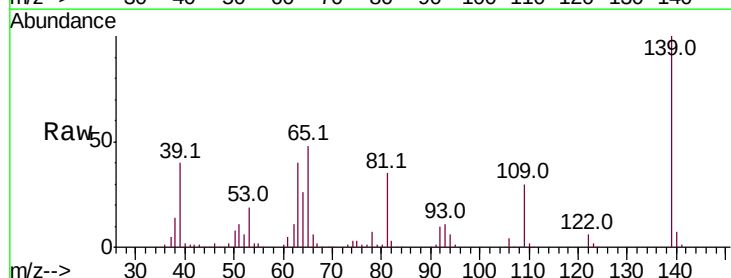
RT: 7.74 min Scan# 961

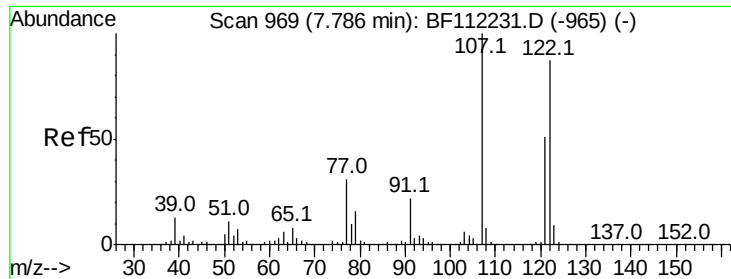
Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Tgt Ion:	139	Resp:	265298
Ion Ratio	Lower	Upper	
139	100		
109	30.3	20.8	31.2
65	48.0	34.4	51.6





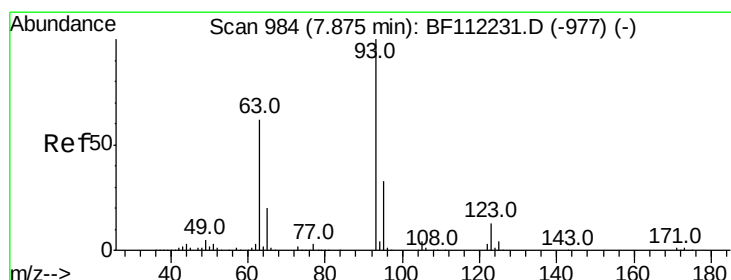
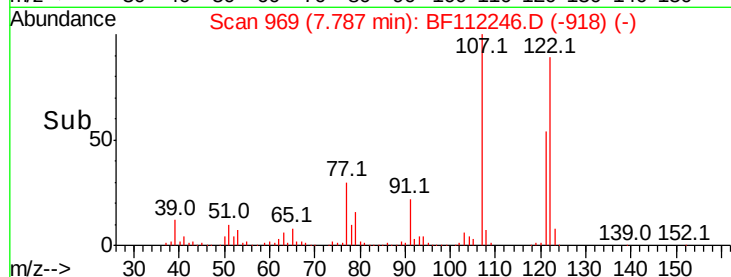
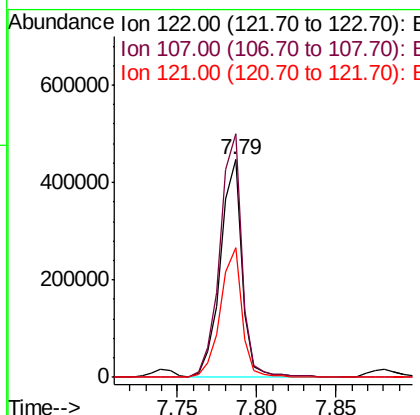
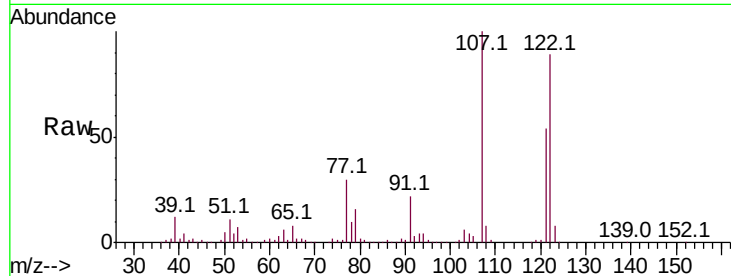
#27
2,4-Dimethylphenol
Concen: 48.385 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.9	85.4	128.0
121	59.9	47.0	70.4

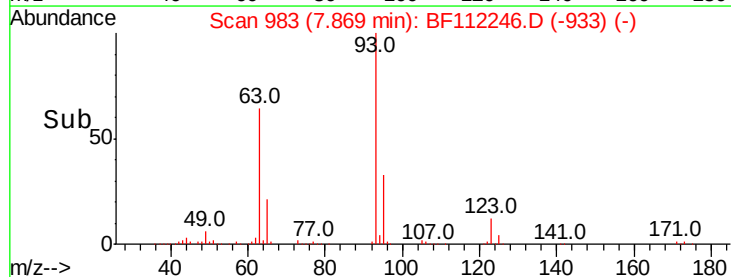
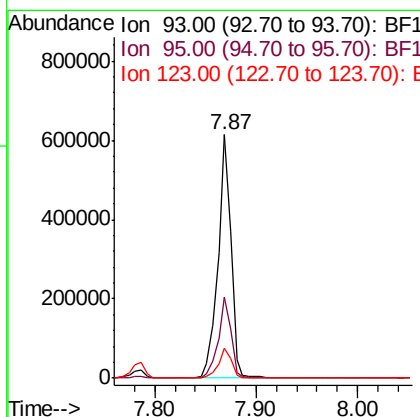
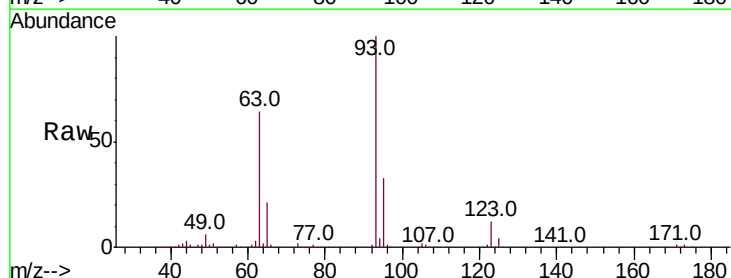
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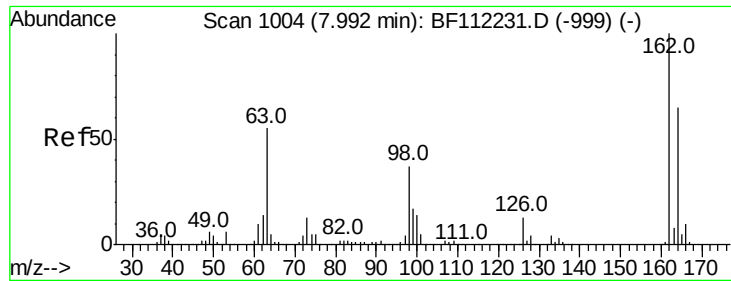
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 43.054 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.8	40.2
123	12.1	10.2	15.2





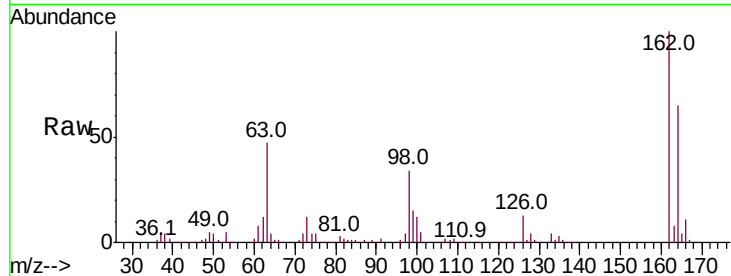
#29
 2,4-Dichlorophenol
 Concen: 42.981 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Instrument :
 BNA_F
 ClientSampleID :
 S4MS

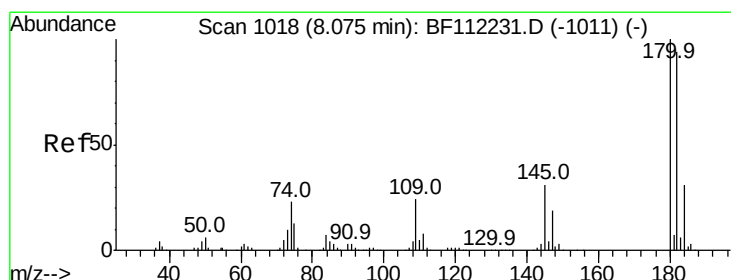
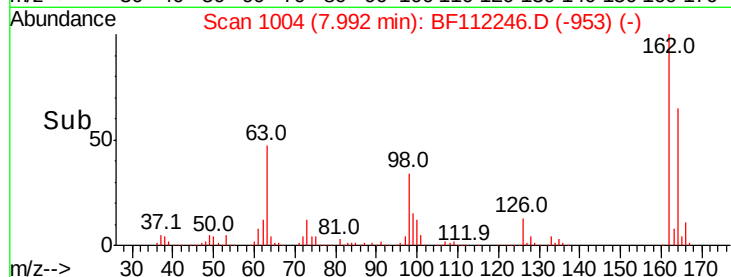
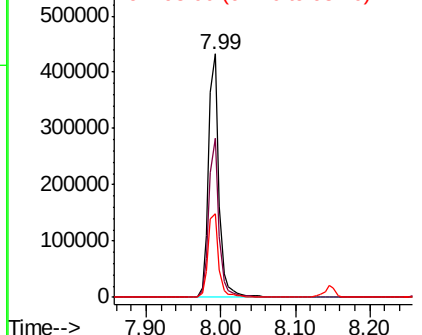
Tot Ion:	162	Resp:	422782
Ion Ratio	Lower	Upper	
162	100		
164	65.1	44.6	84.6
98	34.5	14.6	54.6

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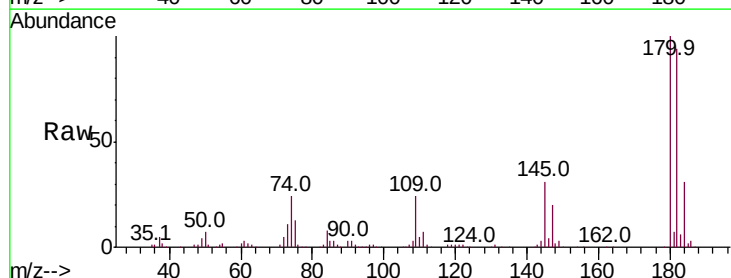


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

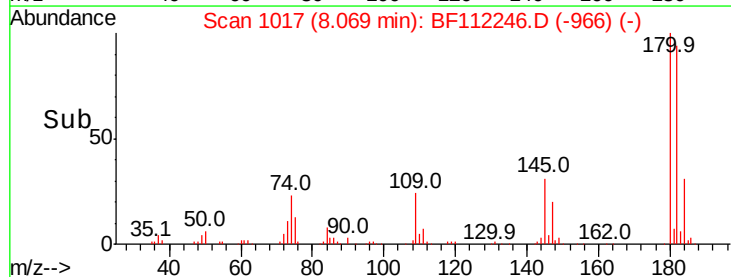
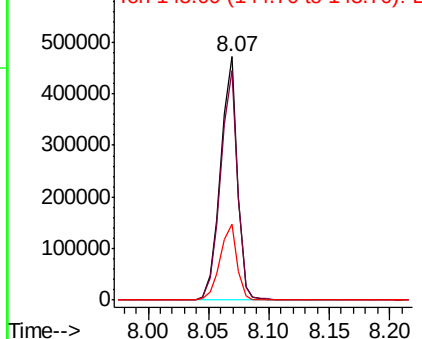


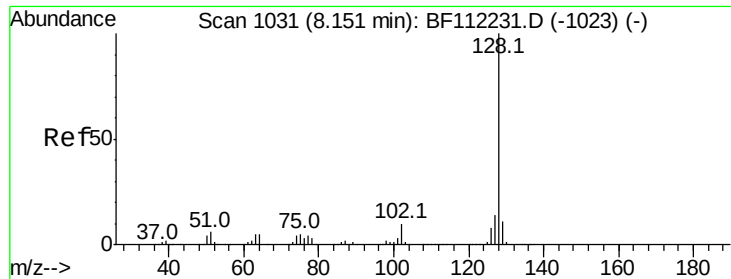
#30
 1,2,4-Trichlorobenzene
 Concen: 39.994 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Tgt Ion:	180	Resp:	452210
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.4	114.6
145	31.3	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





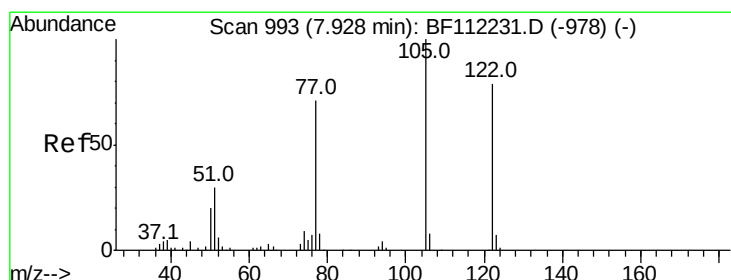
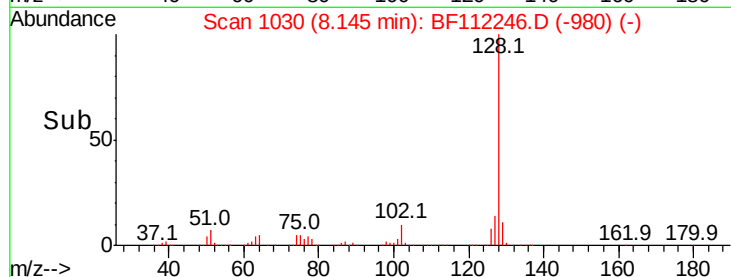
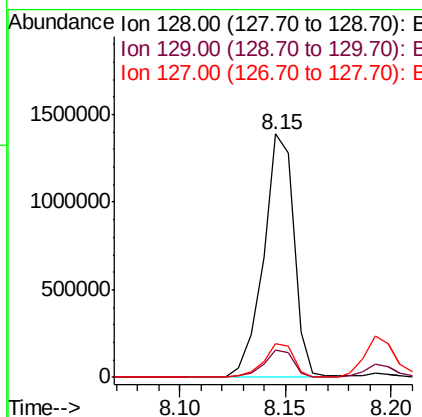
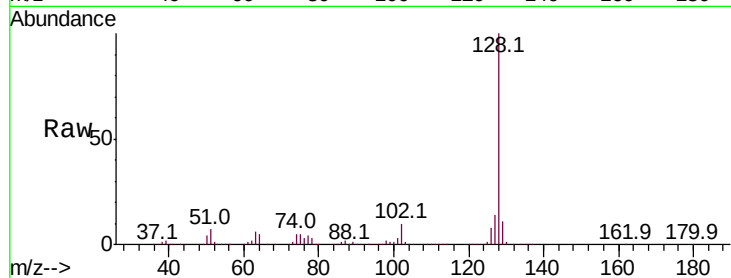
#31
Naphthalene
Concen: 43.317 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	14.0	11.1	16.7

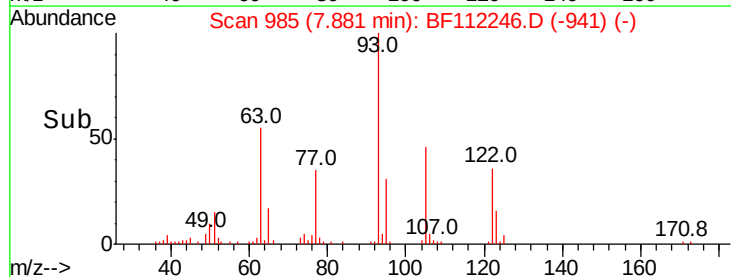
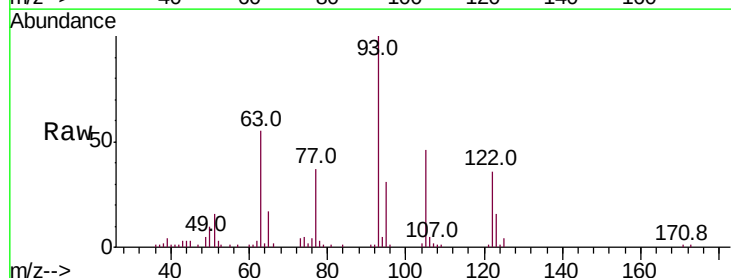
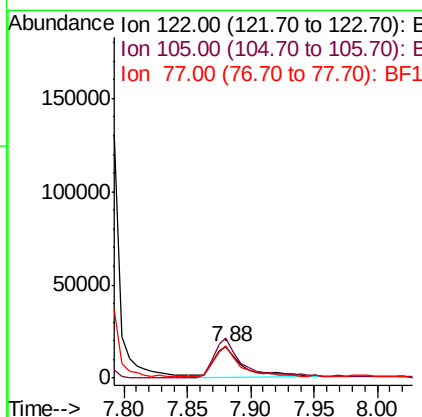
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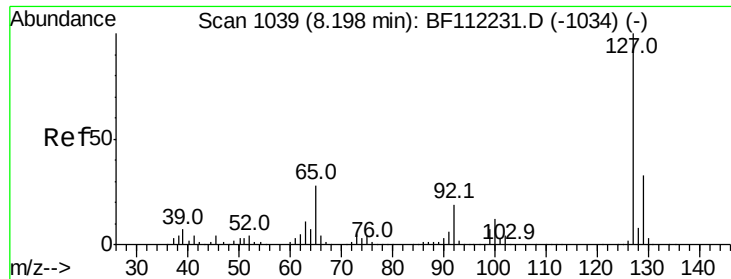
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#32
Benzoic acid
Concen: 5.368 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.04 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.9	101.2	141.2
77	102.2	70.4	110.4





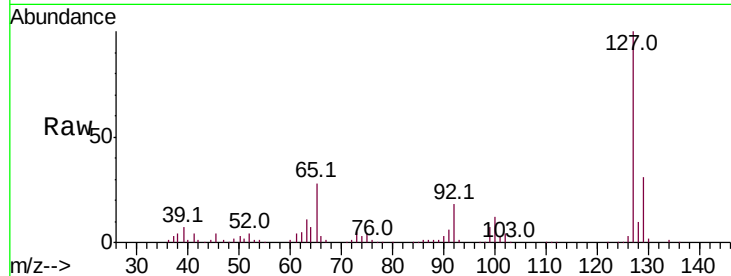
#33
4-Chloroaniline
Concen: 18.873 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		264686		
129	30.6	26.6	39.8		
65	27.7	21.4	32.2		
92	17.7	14.2	21.2		

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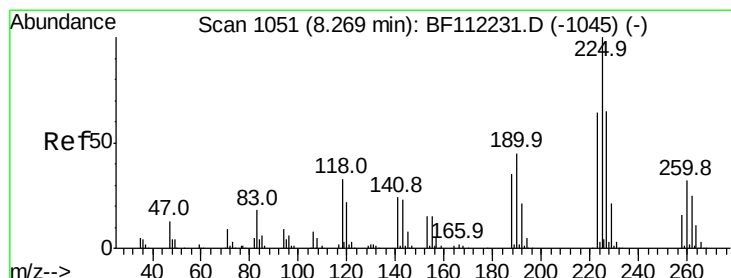
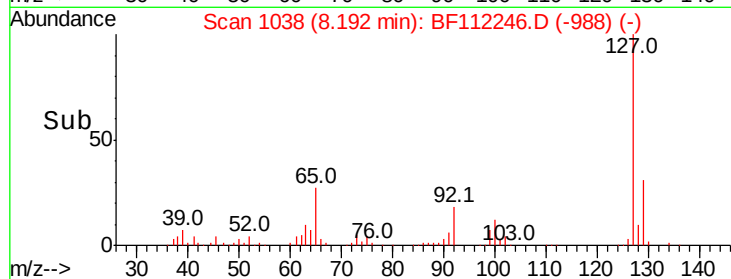
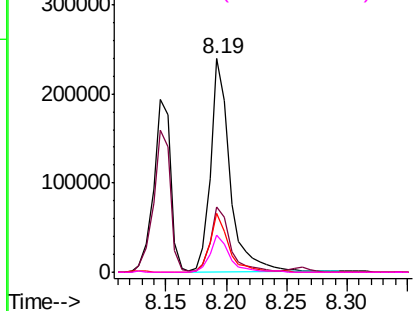
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

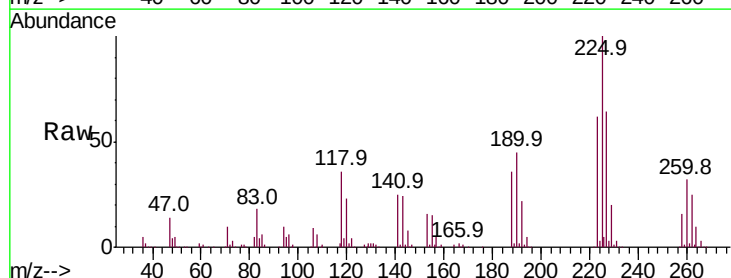
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 38.034 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		252359		
223	62.2	50.3	75.5		
227	63.6	51.8	77.8		

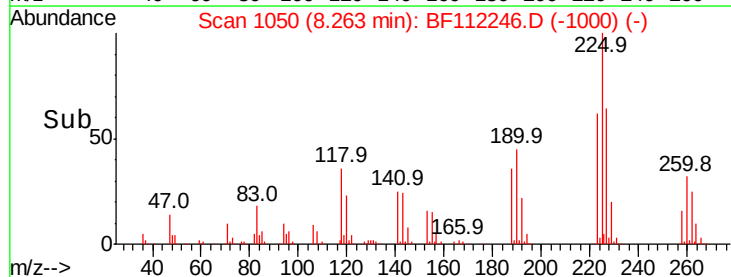
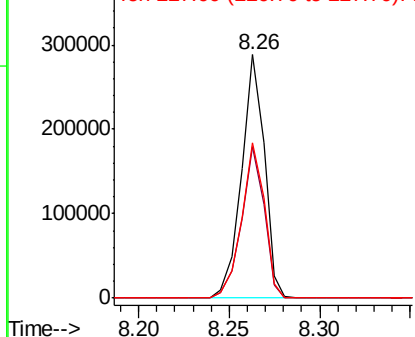


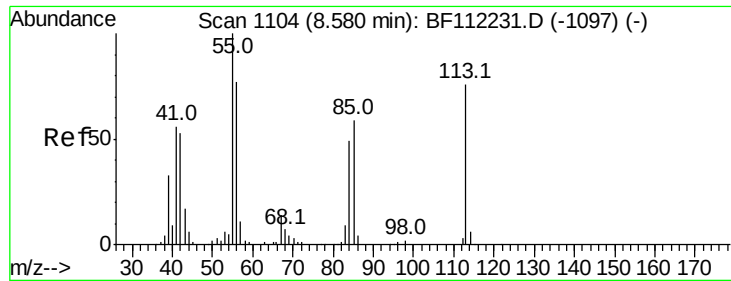
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





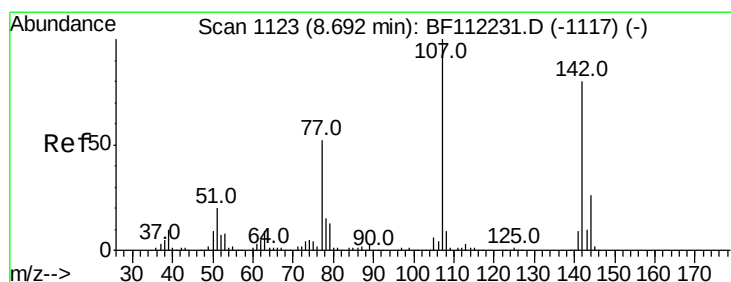
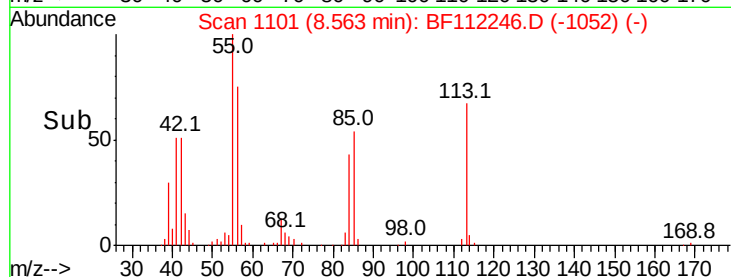
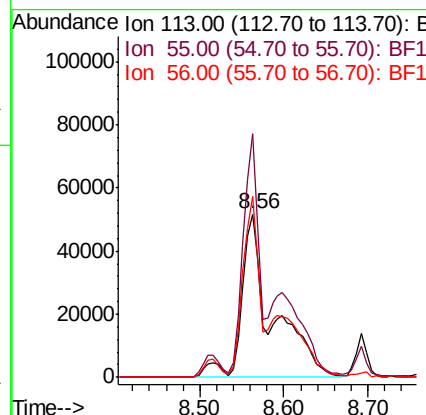
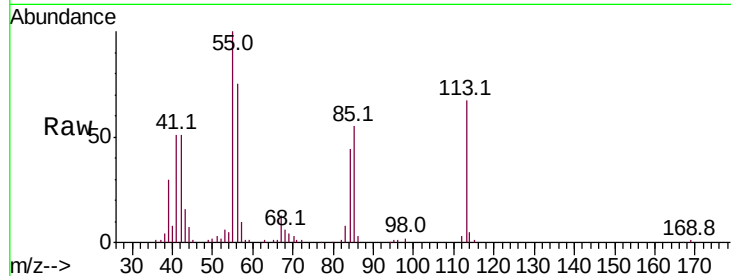
#35
Caprolactam
Concen: 37.562 ng m
RT: 8.56 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	149.4	121.6	161.6
56	111.4	86.7	126.7

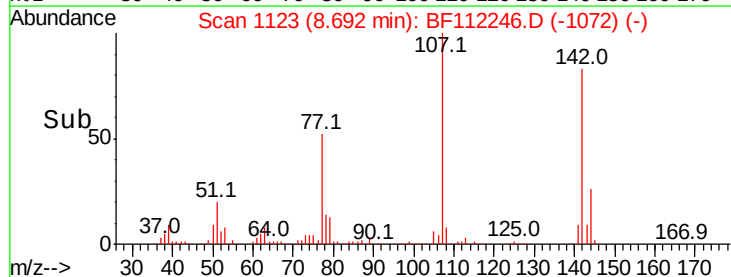
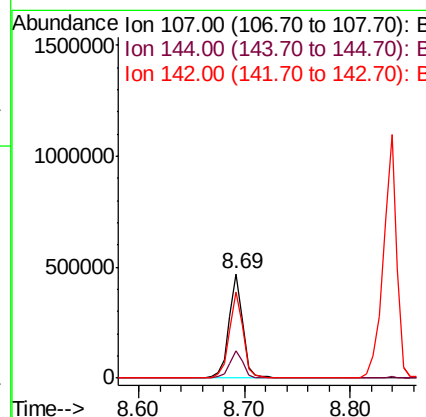
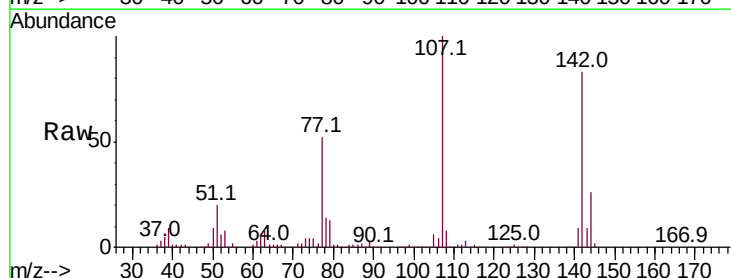
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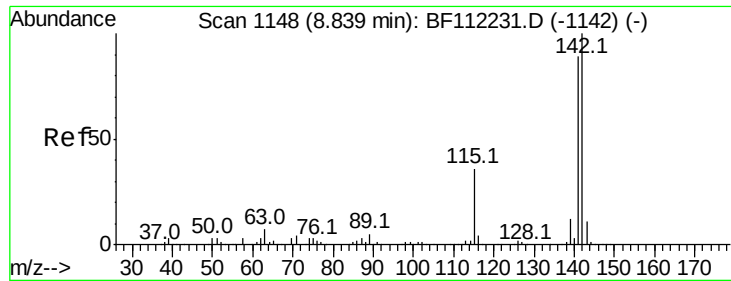
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 41.076 ng
RT: 8.69 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	22.2	33.2
142	82.7	67.7	101.5





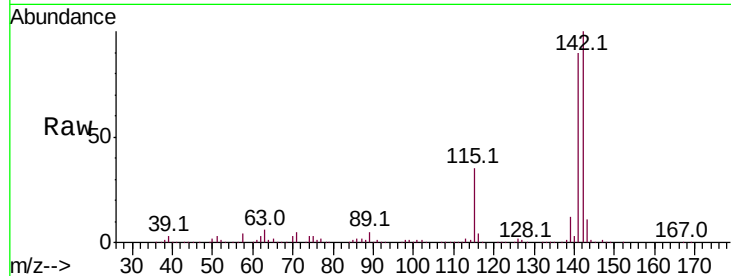
#37
2-Methylnaphthalene
Concen: 44.352 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

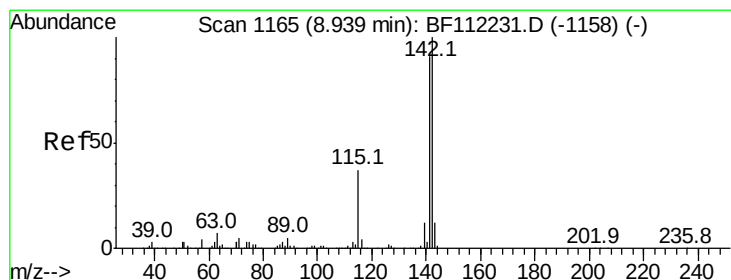
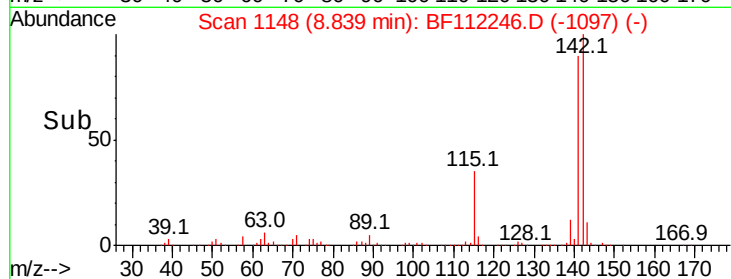
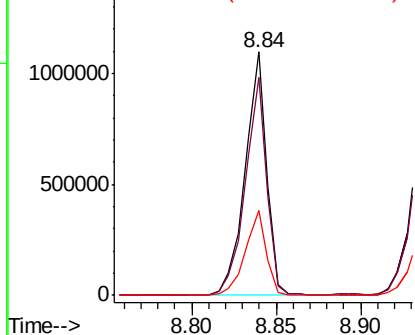
Tot Ion	Ratio	Resp	Lower	Upper
142	100	977947		
141	89.6	70.9	106.3	
115	35.0	24.9	37.3	

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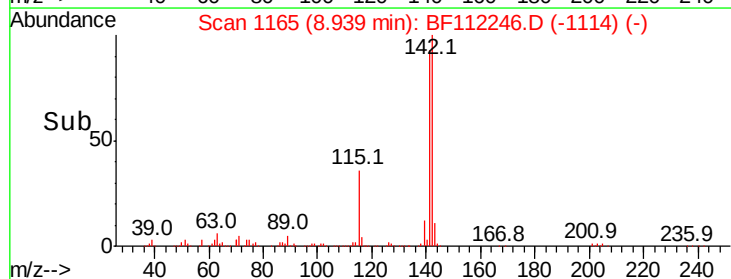
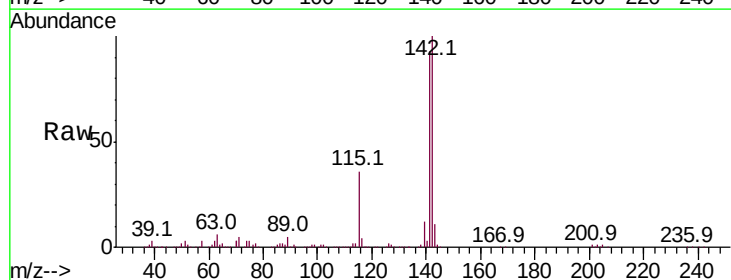
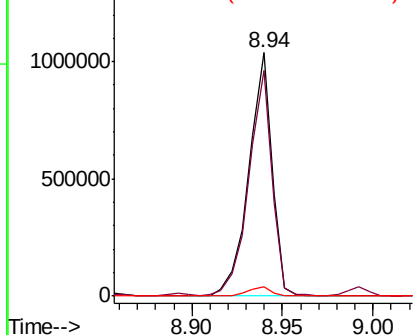
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

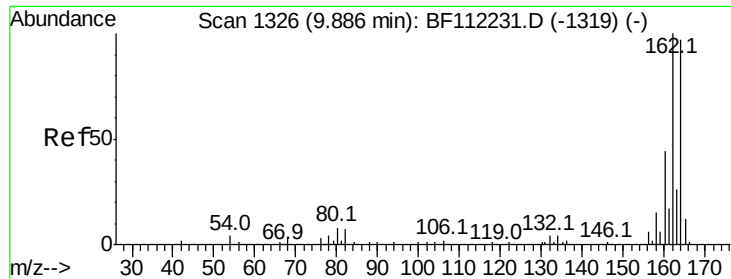


#38
1-Methylnaphthalene
Concen: 43.594 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	921320		
141	92.7	72.6	108.8	
116	3.7	2.8	4.2	

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





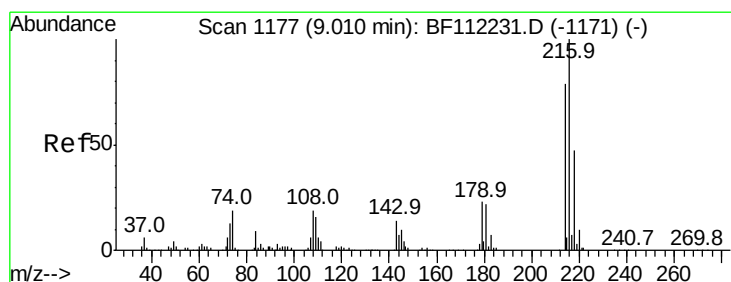
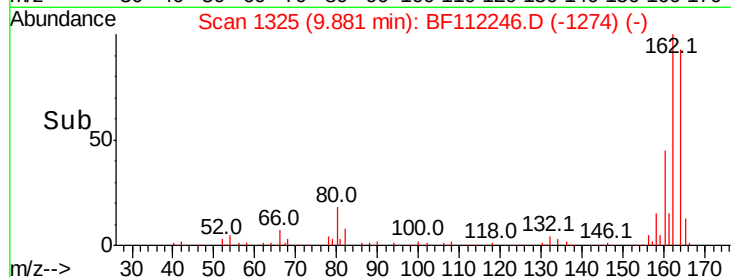
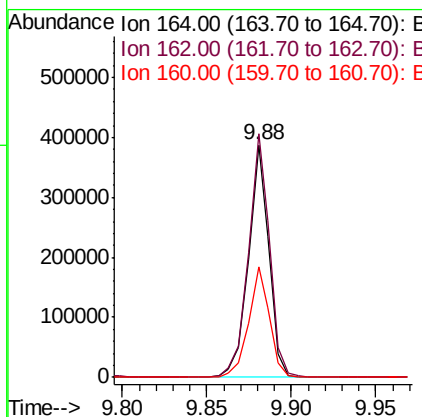
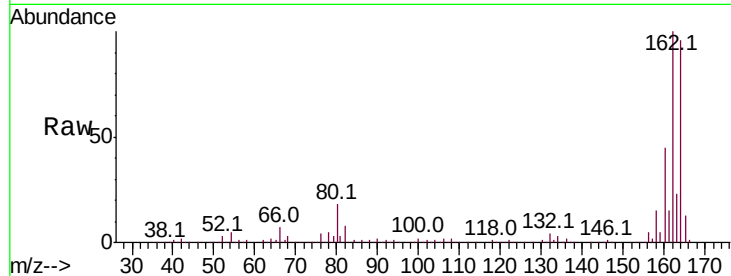
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Instrument :
 BNA_F
 ClientSampled :
 S4MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.2	123.4
160	47.5	36.2	54.4

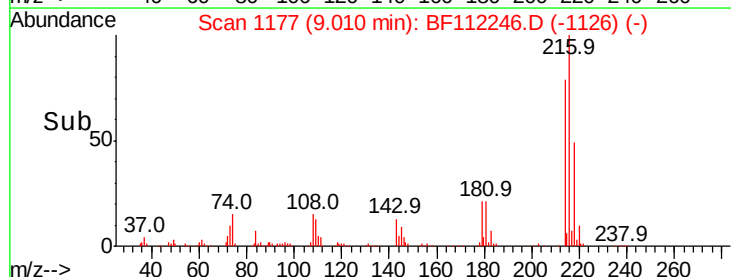
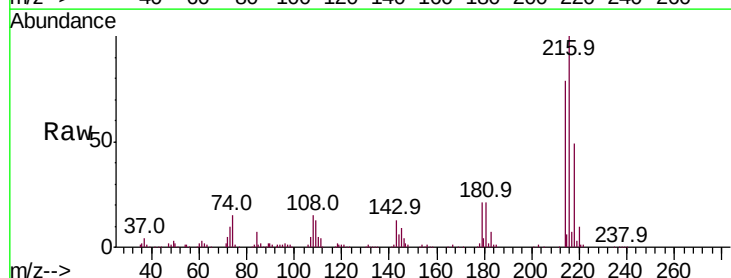
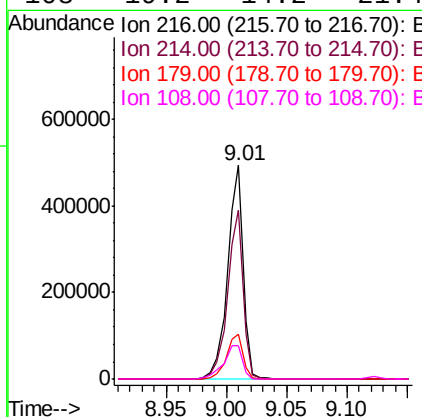
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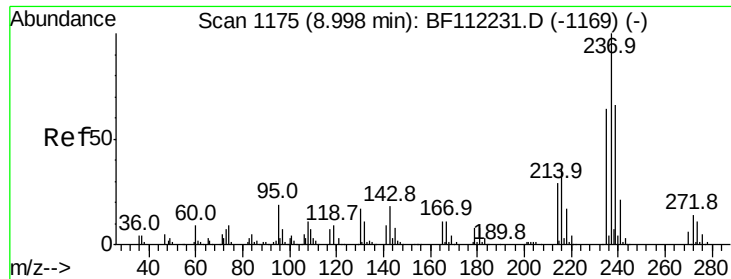
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.622 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	22.1	16.9	25.3
108	19.2	14.2	21.4





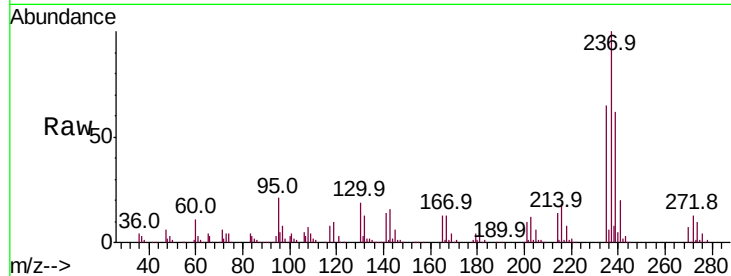
#41
Hexachlorocyclopentadiene
Concen: 57.688 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

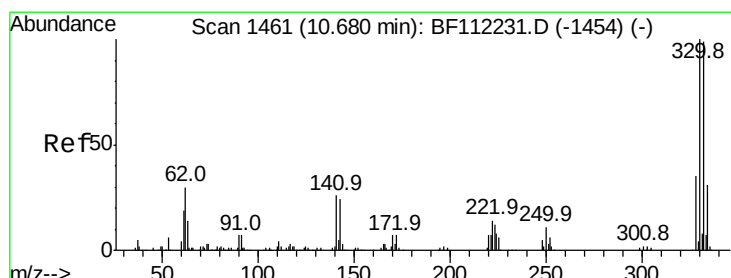
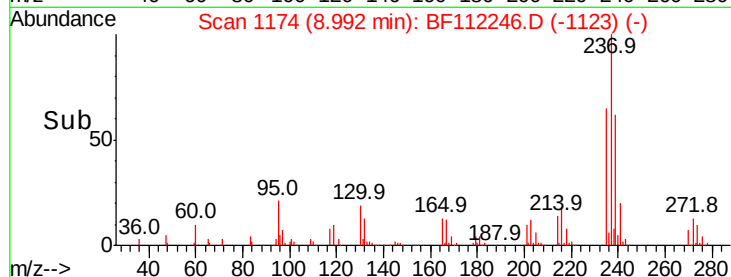
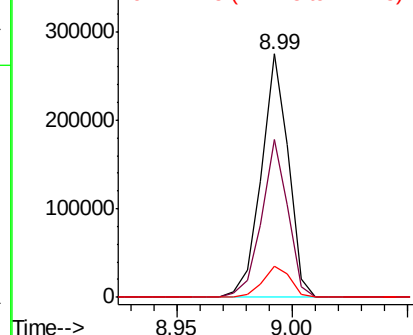
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.7	44.0	84.0
272	12.7	0.0	33.3

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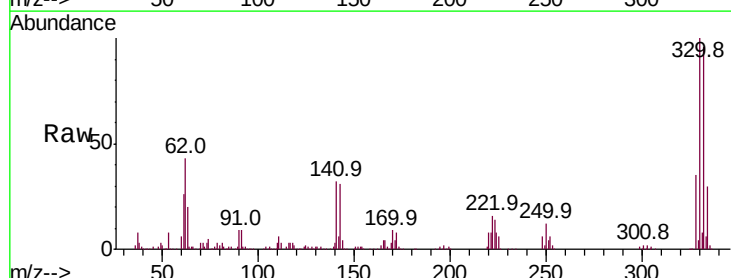


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

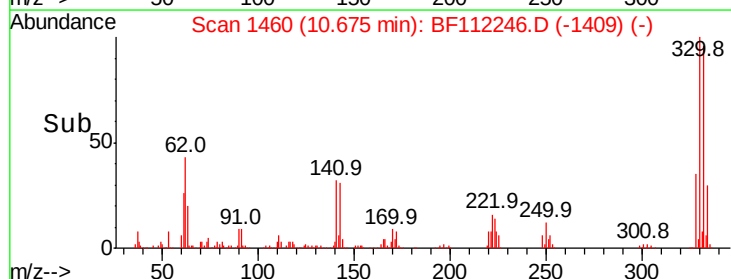
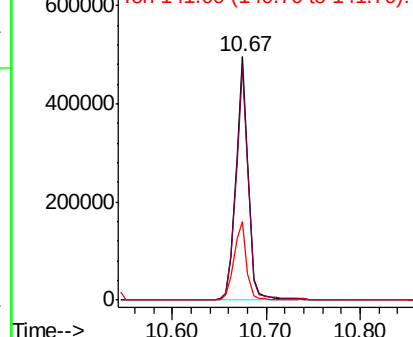


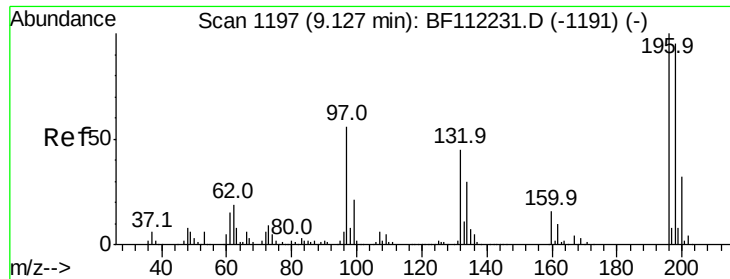
#42
2,4,6-Tribromophenol
Concen: 117.797 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	97.2	76.6	114.8
141	32.6	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





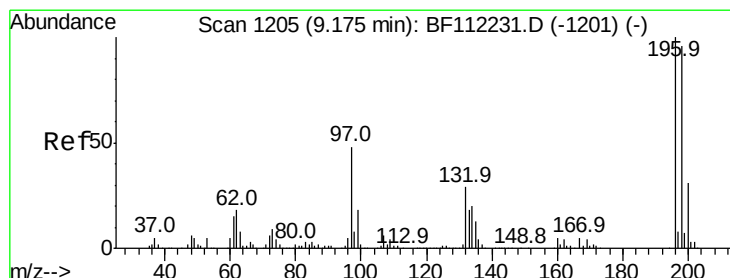
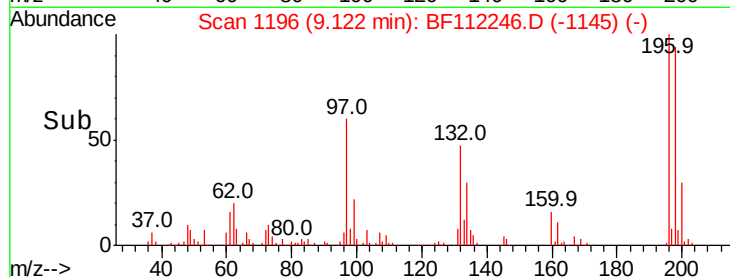
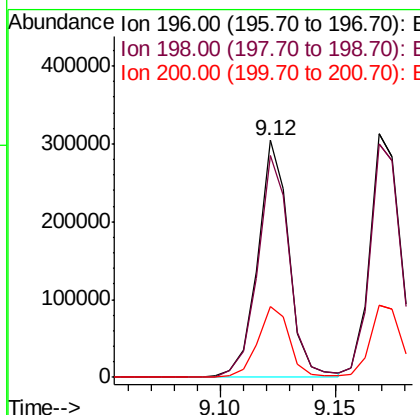
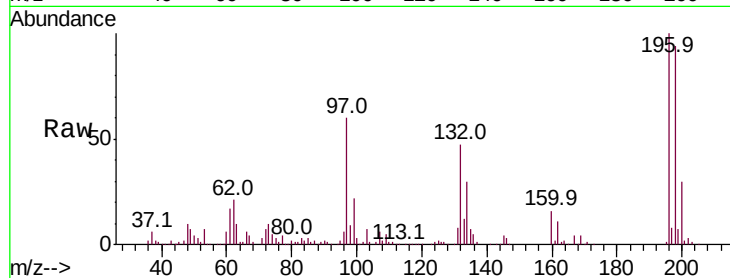
#43
 2,4,6-Trichlorophenol
 Concen: 42.875 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Instrument :
 BNA_F
 ClientSampled :
 S4MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	286138		
198	94.0	76.2	114.4	
200	30.0	24.3	36.5	

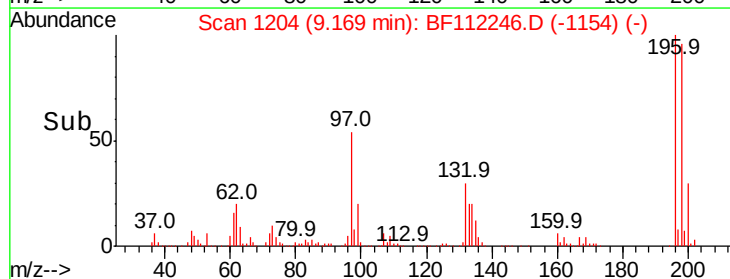
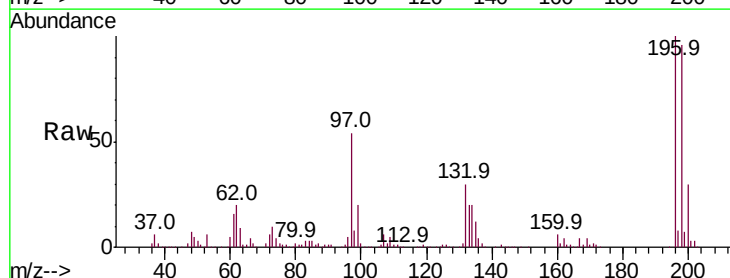
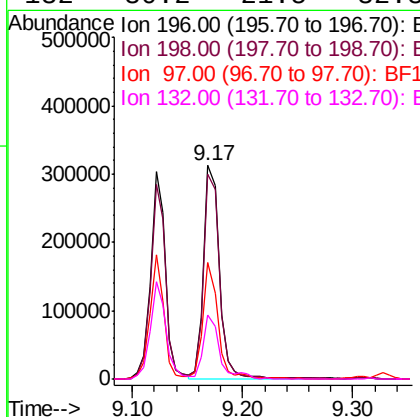
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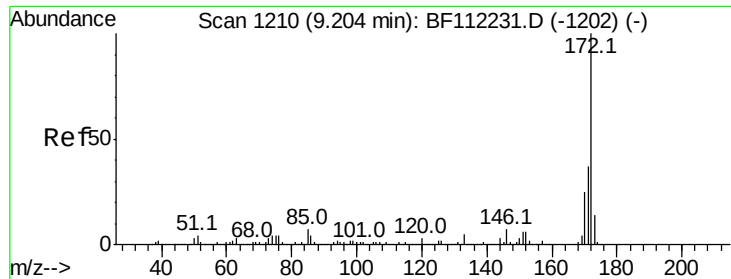
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 43.217 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	301437		
198	96.1	76.0	114.0	
97	54.4	36.4	54.6	
132	30.2	21.5	32.3	





#45

2-Fluorobiphenyl

Concen: 72.056 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:172 Resp: 1679973

Ion Ratio Lower Upper

172 100

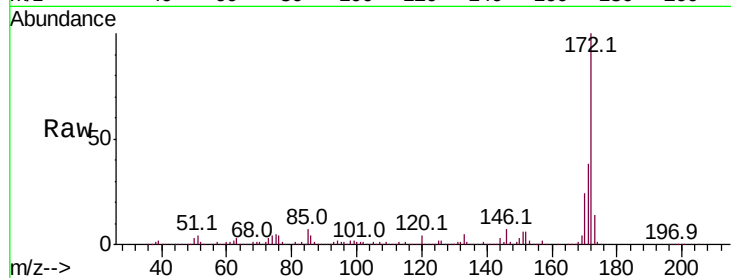
171 37.6 30.5 45.7

170 24.5 20.2 30.4

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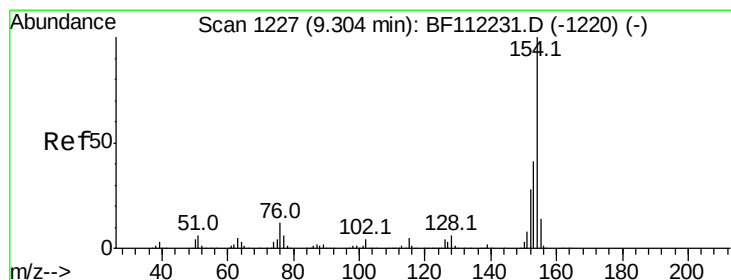
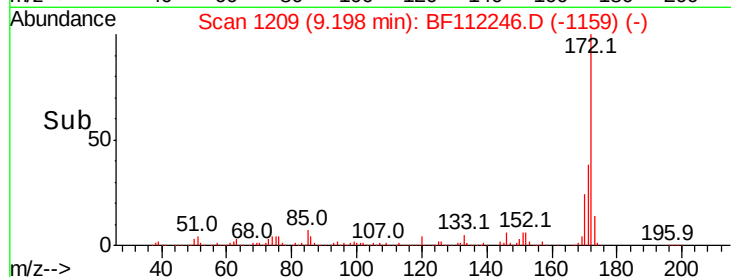
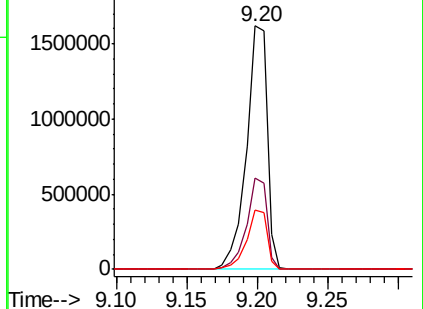
1/29/2019 12:31:39 AM



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 40.740 ng

RT: 9.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

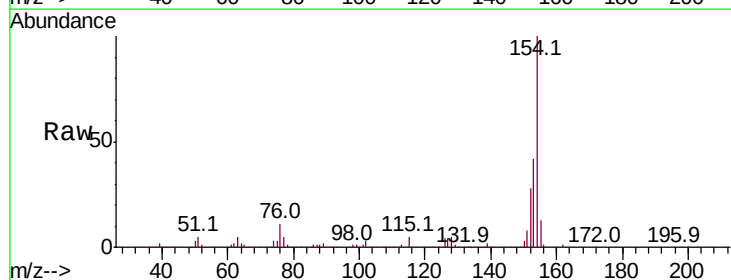
Tgt Ion:154 Resp: 1174440

Ion Ratio Lower Upper

154 100

153 41.9 21.5 61.5

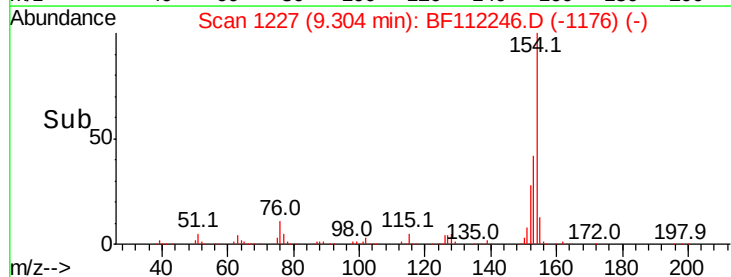
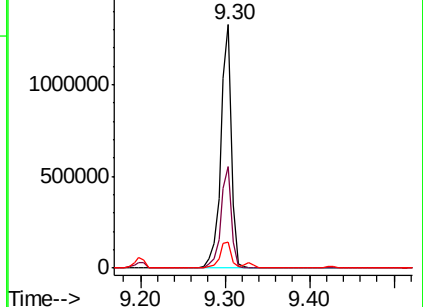
76 10.9 0.0 33.1

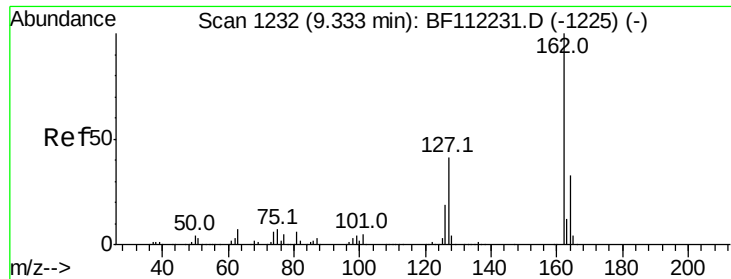


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





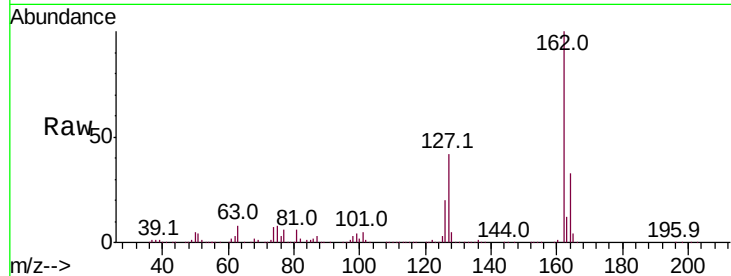
#47
2-Chloronaphthalene
Concen: 40.501 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.7	30.4	45.6	
164	33.4	27.4	41.2	

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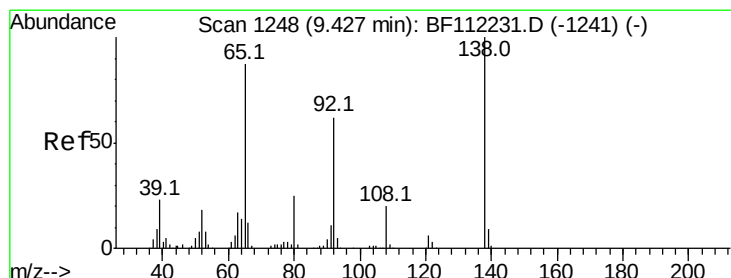
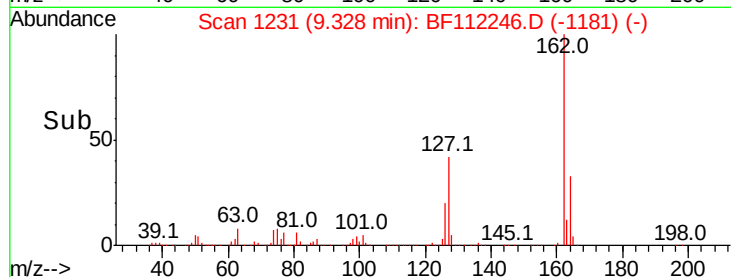
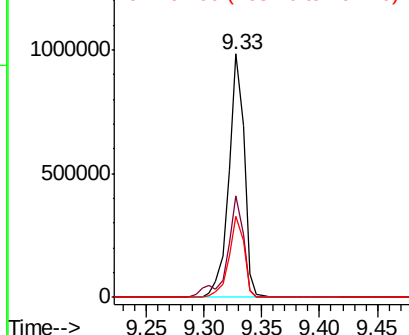


Abundance

Ion 162.00 (161.70 to 162.70): E

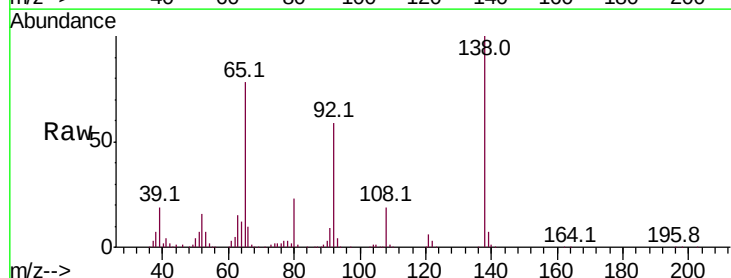
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 41.617 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	75.7	60.4	90.6	
138	128.6	104.4	156.6	

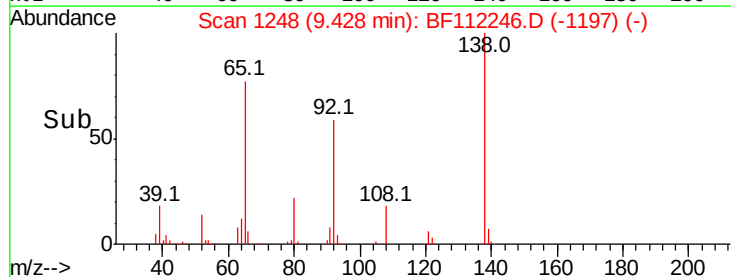
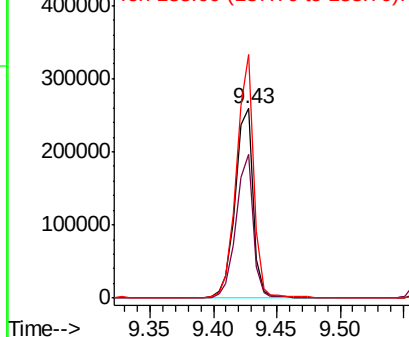


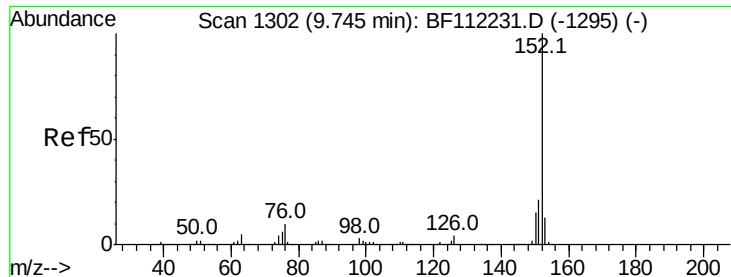
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.650 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:152 Resp: 1430240

Ion Ratio Lower Upper

152 100

151 20.8 17.0 25.6

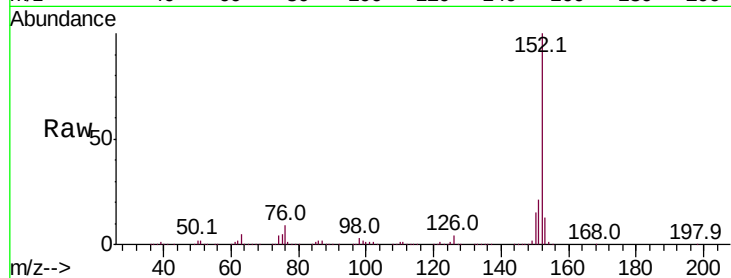
153 13.3 11.2 16.8

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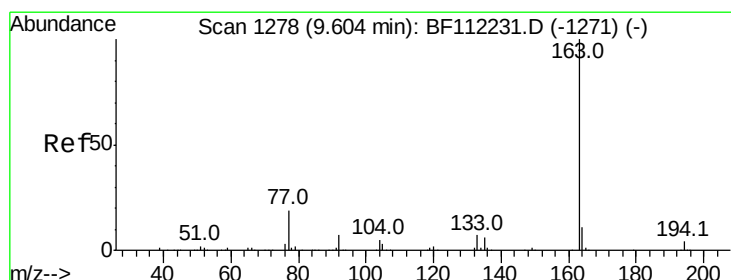
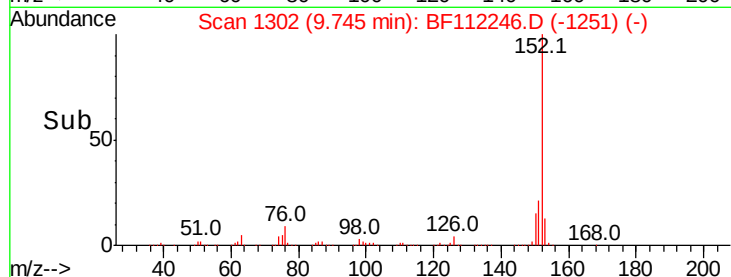
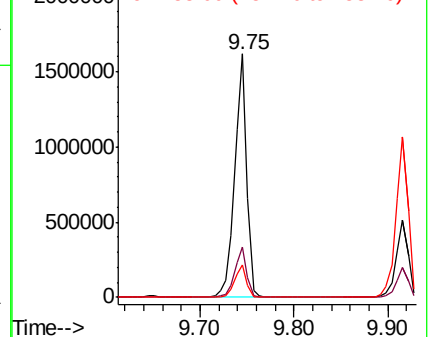
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 48.439 ng

RT: 9.60 min Scan# 1278

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

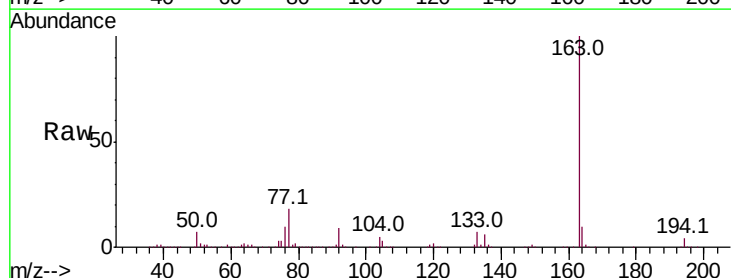
Tgt Ion:163 Resp: 1241007

Ion Ratio Lower Upper

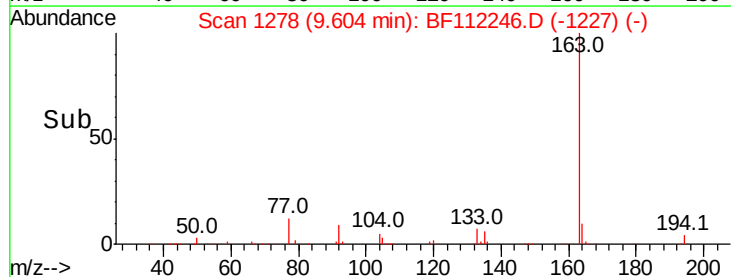
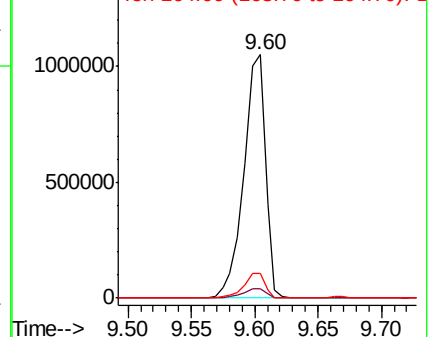
163 100

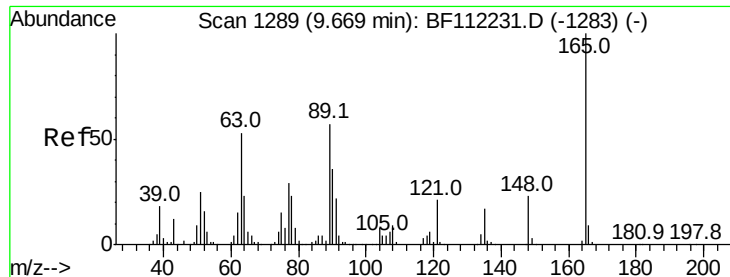
194 4.1 3.3 4.9

164 10.2 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: 42.529 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

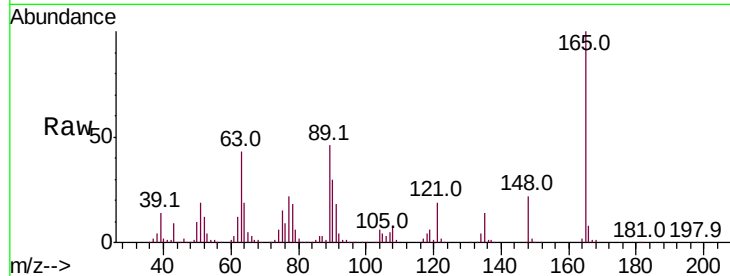
ClientSampled :

S4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	244027		
63	43.4		33.8	50.8
89	45.8		36.9	55.3

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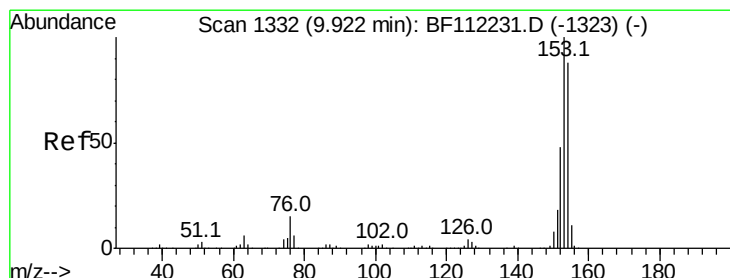
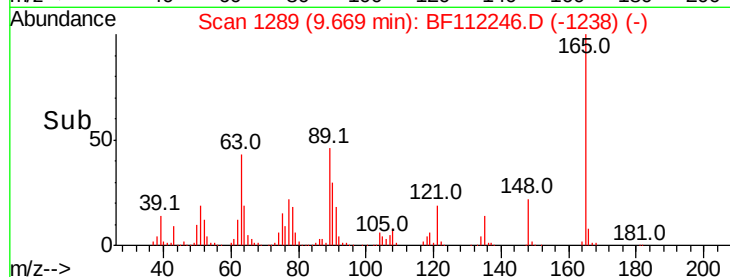
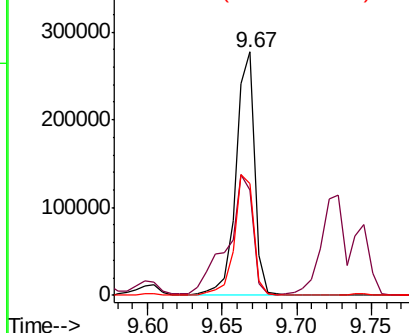
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 42.208 ng

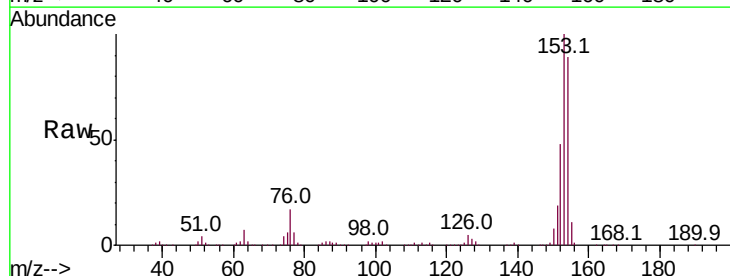
RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

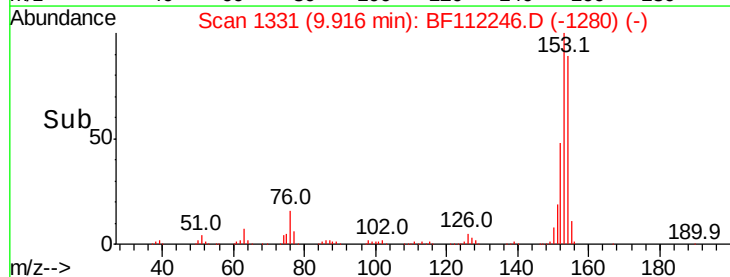
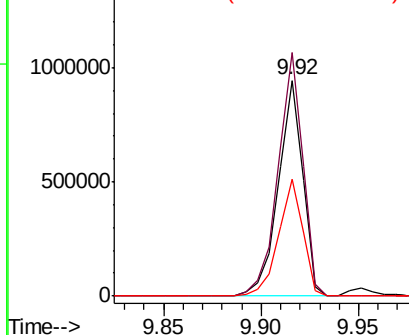
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	826159		
153	112.9		89.8	134.6
152	54.1		43.5	65.3

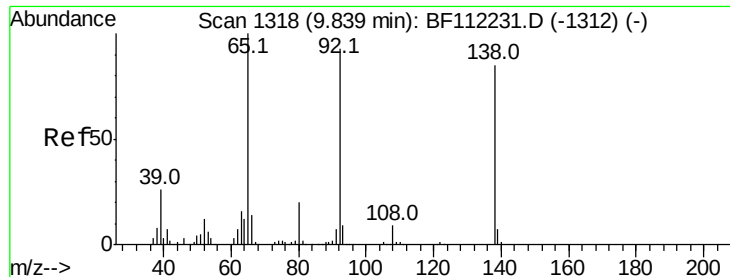


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





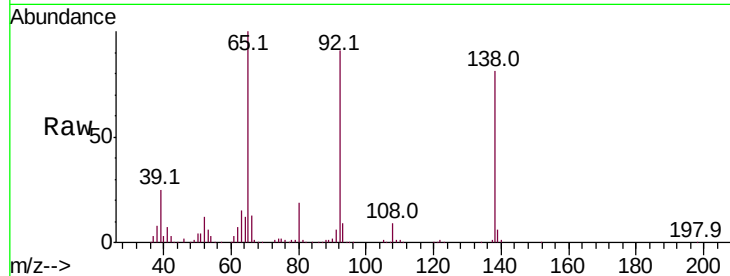
#53
3-Nitroaniline
Concen: 28.472 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.8	14.6
92	112.5	79.4	119.2

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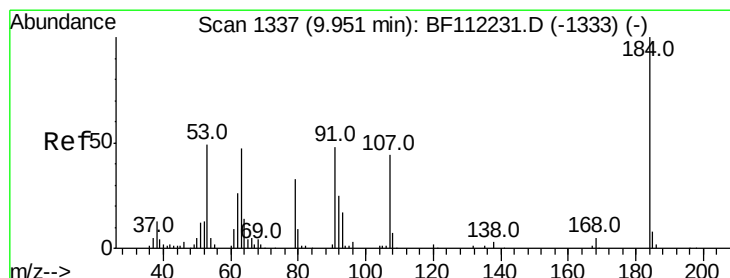
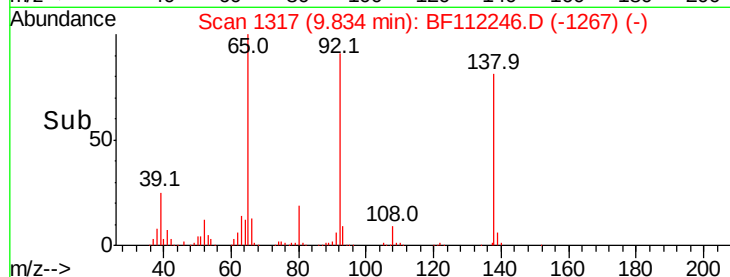
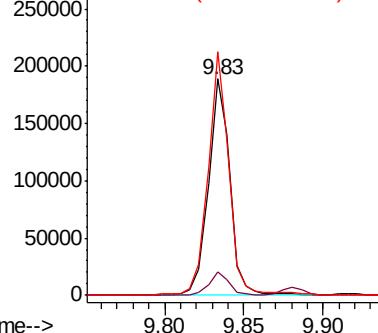


Abundance

Ion 138.00 (137.70 to 138.70): E

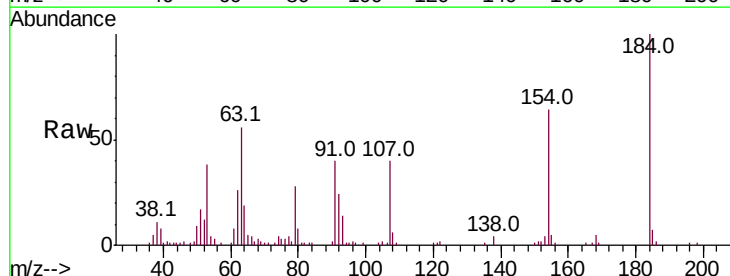
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 29.607 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.6	47.1	70.7
154	63.7	48.9	73.3

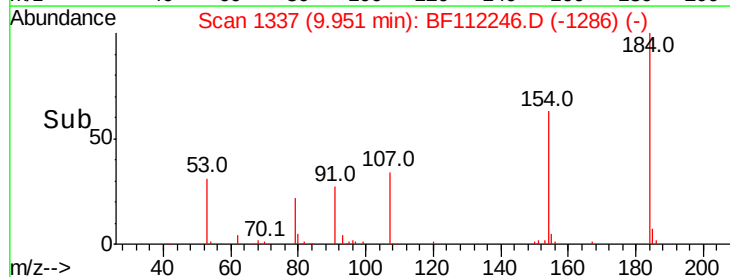
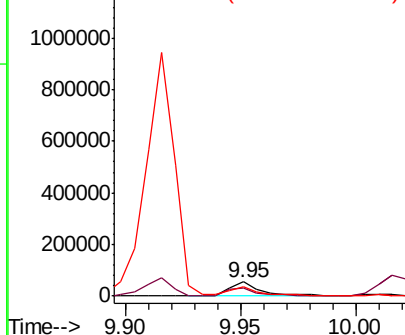


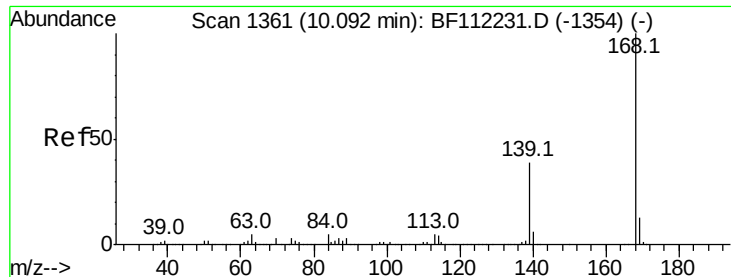
Abundance

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: 41.443 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:168 Resp: 1239610

Ion Ratio Lower Upper

168 100

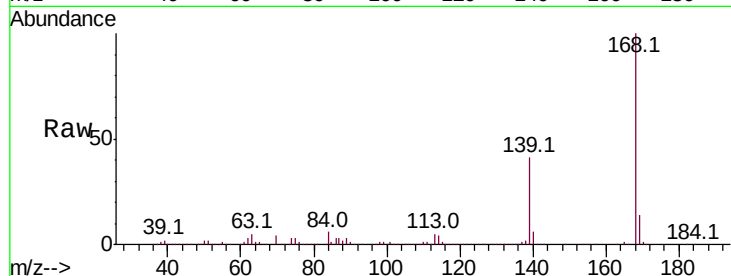
139 41.0 29.2 43.8

169 14.0 11.4 17.0

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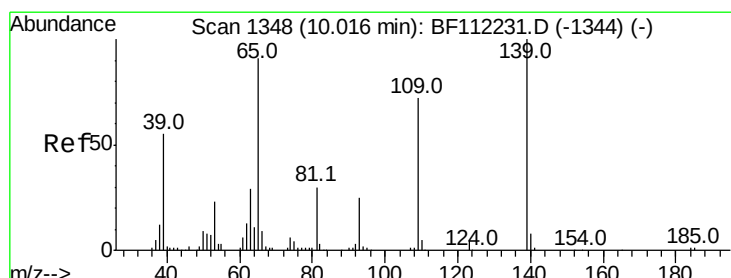
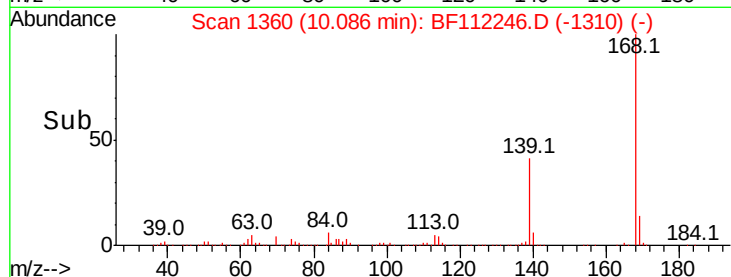
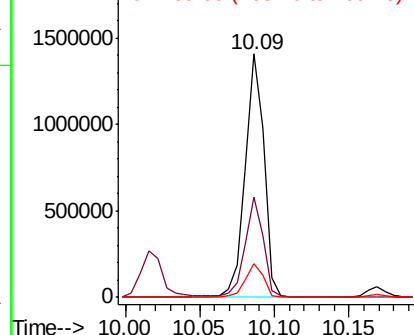


Abundance

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: 83.105 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

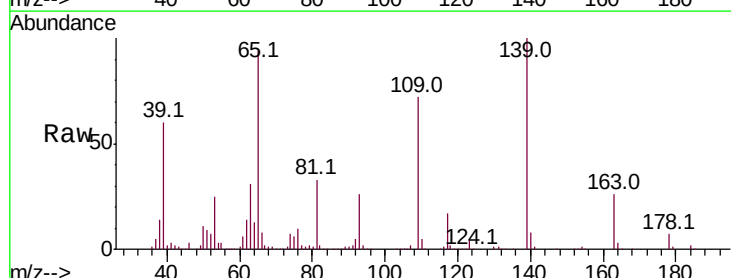
Tgt Ion:139 Resp: 273122

Ion Ratio Lower Upper

139 100

109 72.4 42.8 82.8

65 94.4 66.1 106.1

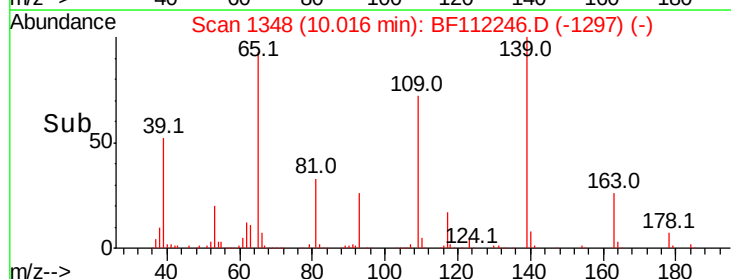
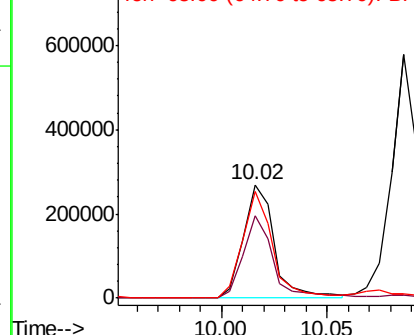


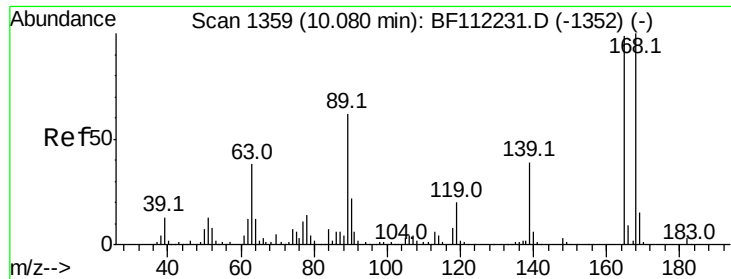
Abundance

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





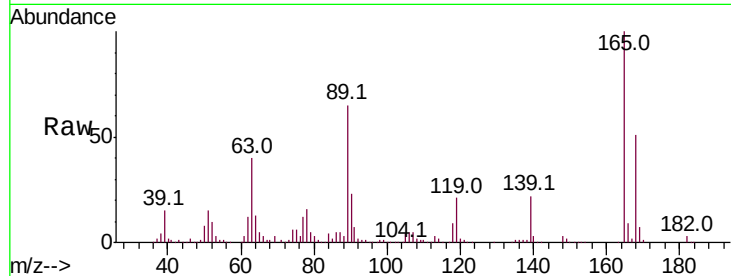
#57
2,4-Dinitrotoluene
Concen: 43.319 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

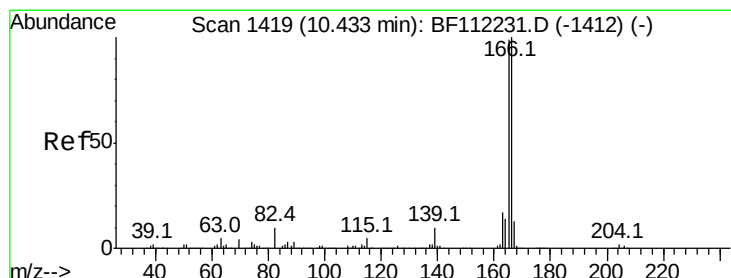
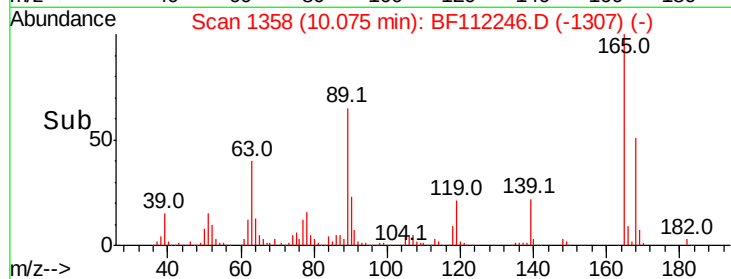
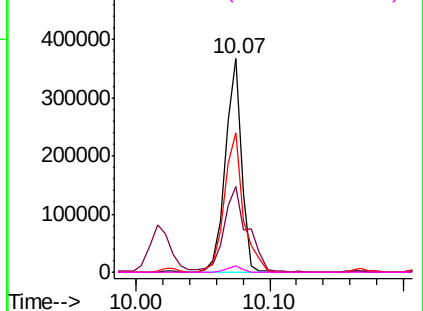
Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	40.2	27.9	41.9	
89	65.1	47.9	71.9	
182	2.7	2.2	3.4	

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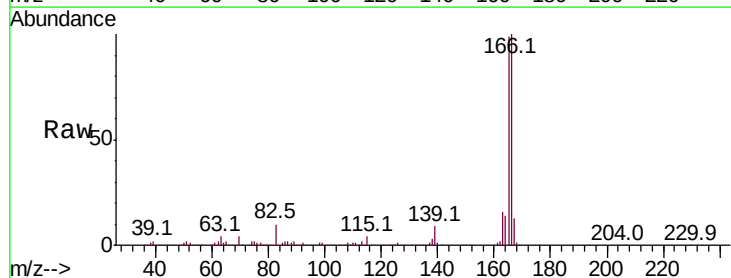


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

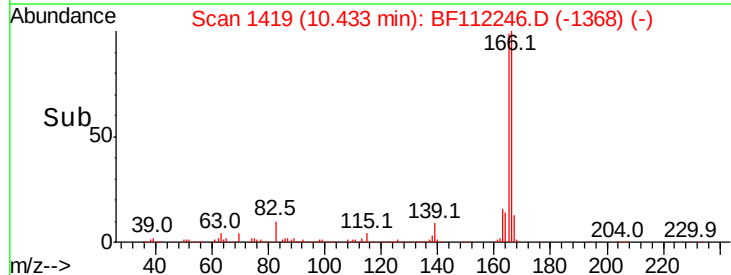
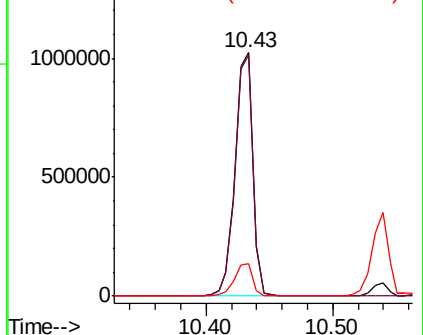


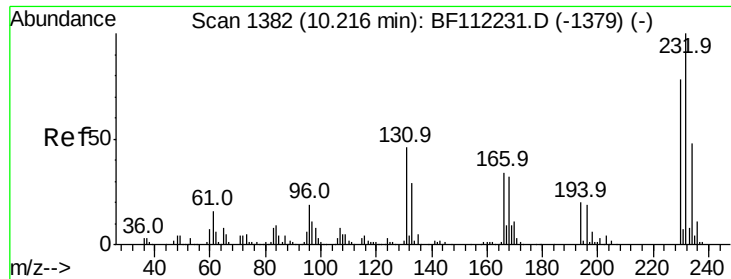
#58
Fluorene
Concen: 43.603 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.2	77.1	115.7	
167	13.1	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





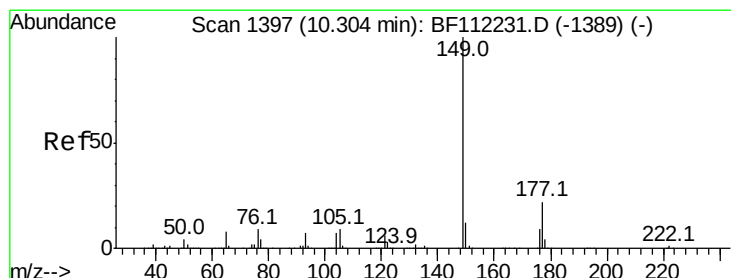
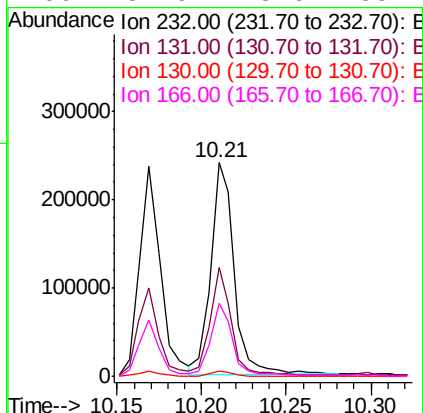
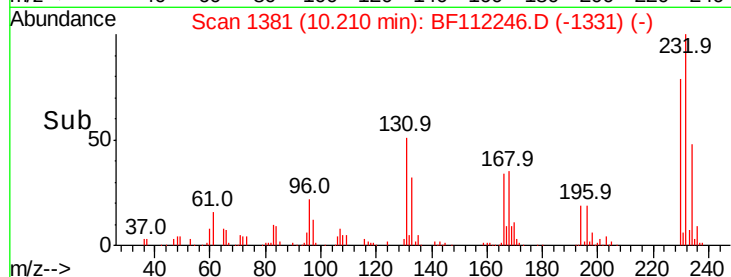
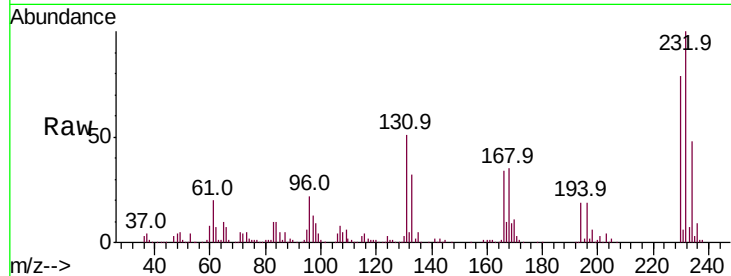
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.601 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	235094		
131	46.2		33.9	50.9
130	2.5		1.8	2.6
166	31.9		23.6	35.4

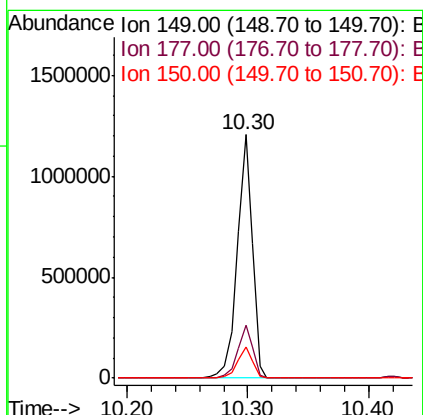
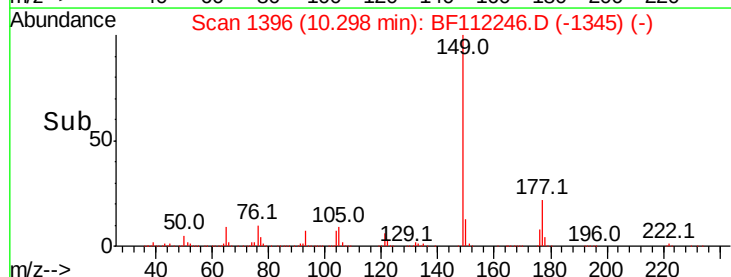
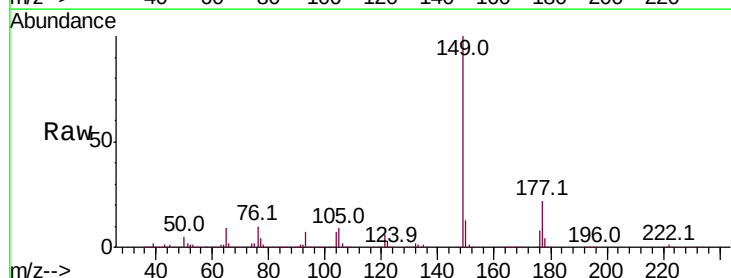
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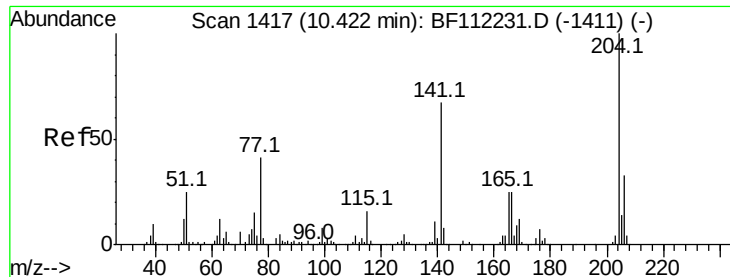
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#60
Diethylphthalate
Concen: 41.478 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1054578		
177	21.8		18.2	27.2
150	12.7		10.4	15.6





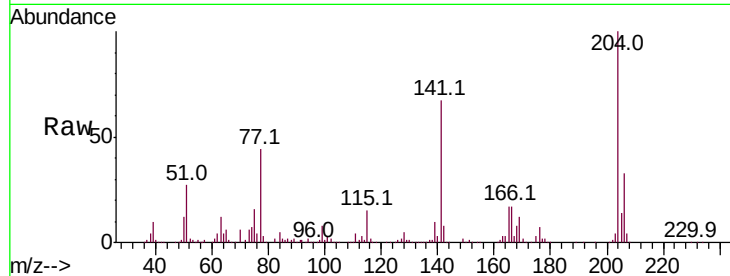
#61
4-Chlorophenyl-phenylether
Concen: 39.527 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	67.3	45.9	68.9

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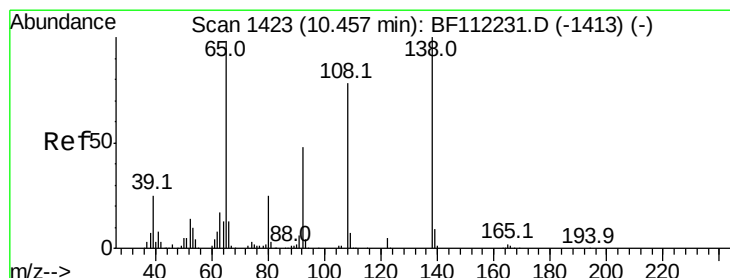
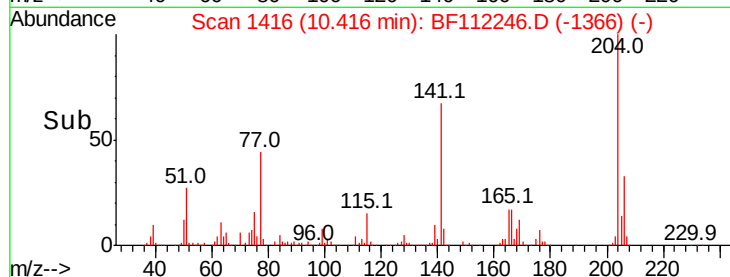
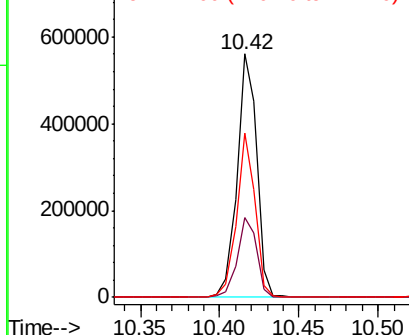


Abundance

Ion 204.00 (203.70 to 204.70): E

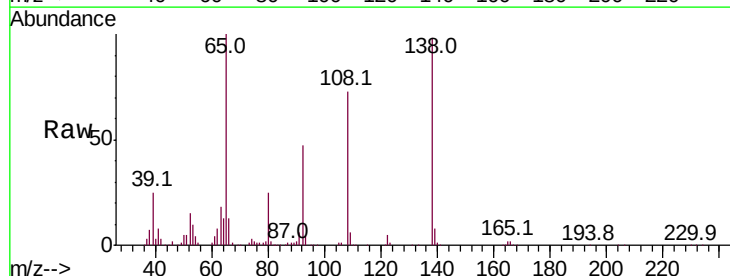
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 36.733 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.7	30.6	70.6
108	75.0	50.0	90.0

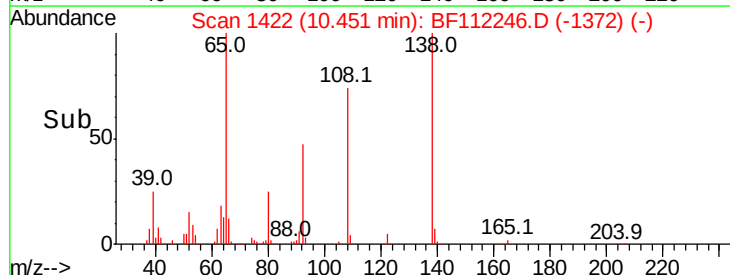
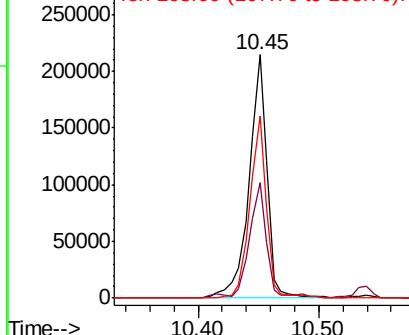


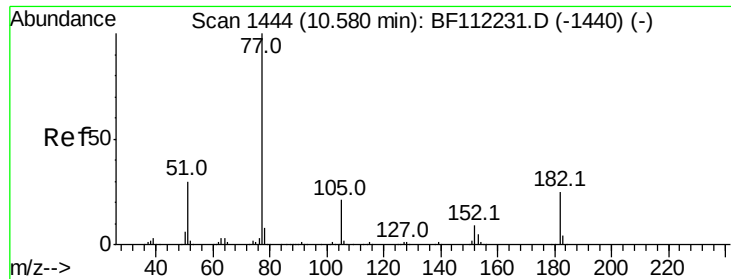
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





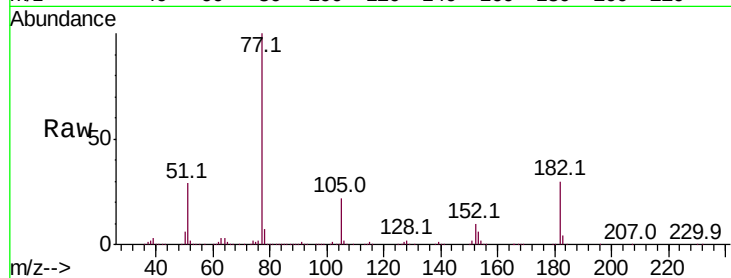
#63
Azobenzene
Concen: 40.510 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

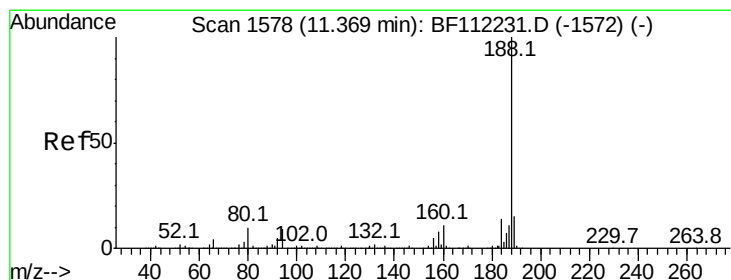
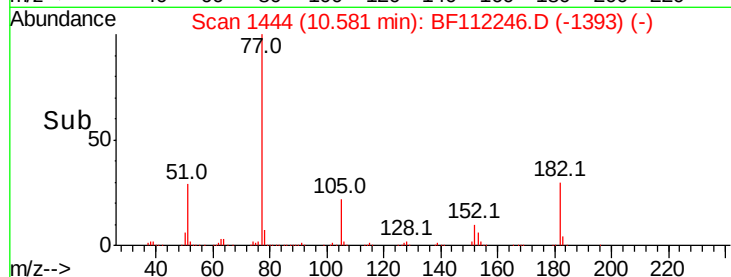
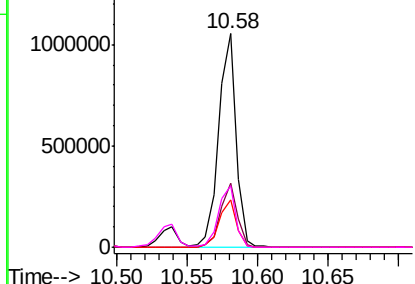
Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	29.9	5.7	45.7	
105	22.1	1.4	41.4	
51	28.8	9.5	49.5	

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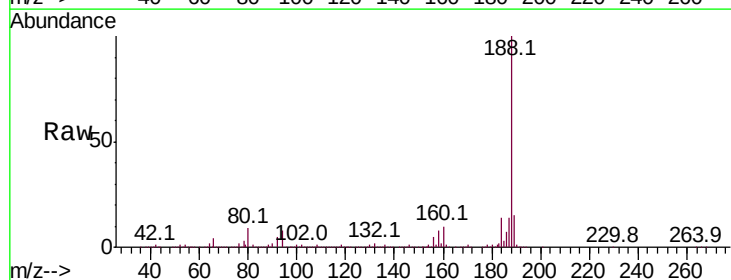


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

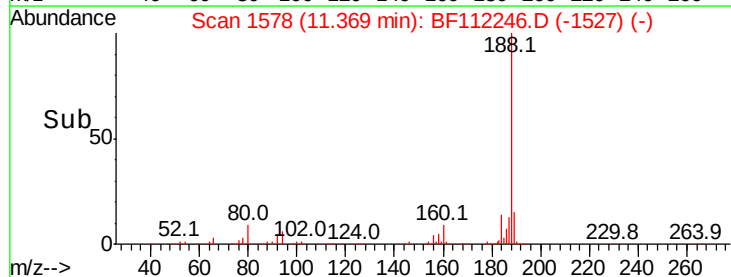
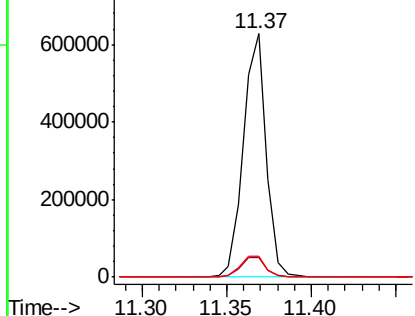


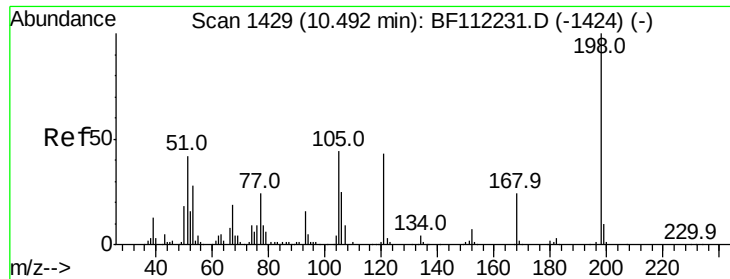
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.1	8.2	12.2#	
80	8.8	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





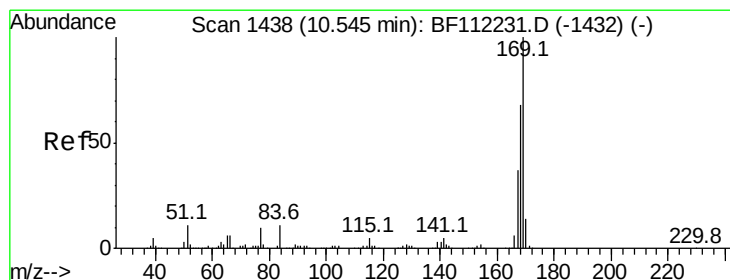
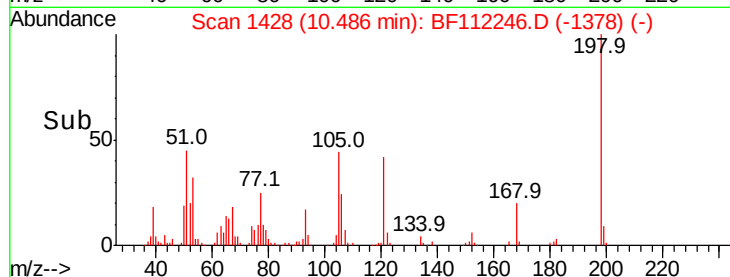
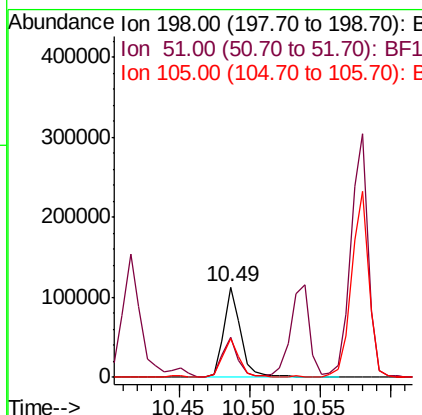
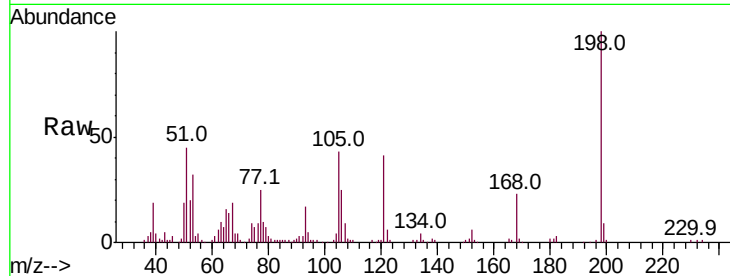
#65
4,6-Dinitro-2-methylphenol
Concen: 28.619 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100			
51	44.8	17.2	57.2	
105	43.4	21.9	61.9	

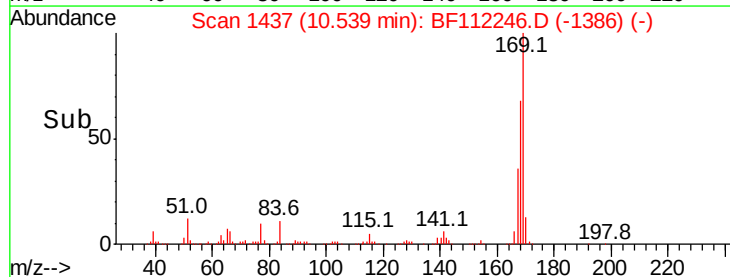
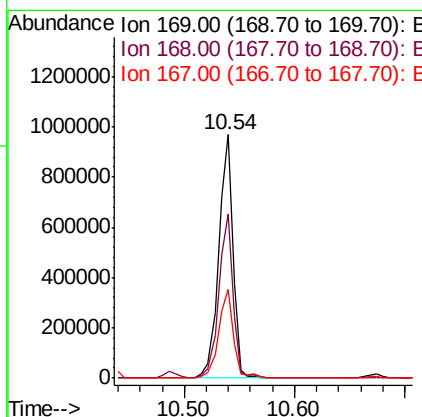
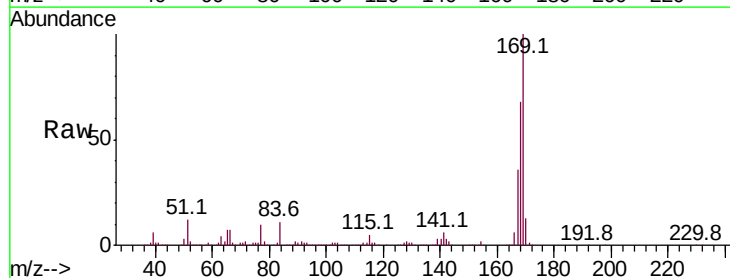
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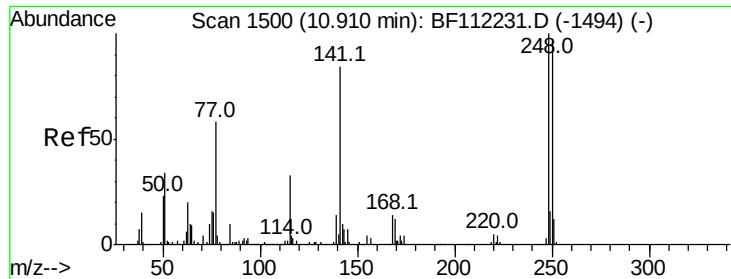
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#66
n-Nitrosodiphenylamine
Concen: 43.551 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
169	100			
168	67.5	53.9	80.9	
167	36.4	28.9	43.3	





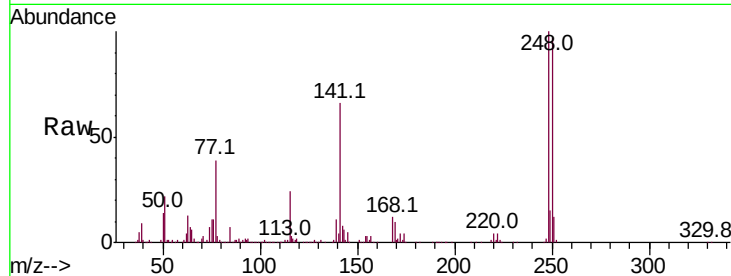
#67
4-Bromophenyl-phenylether
Concen: 41.851 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.7	119.5
141	65.8	60.3	90.5

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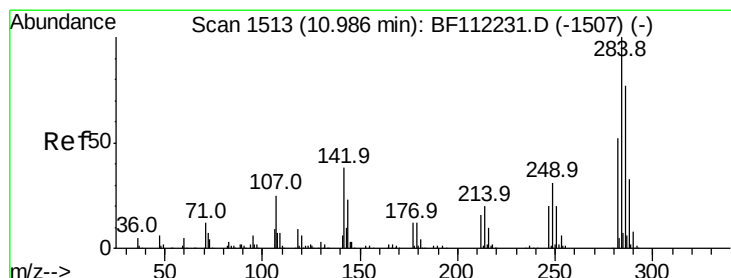
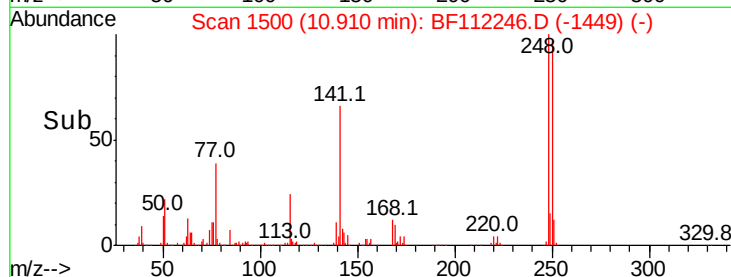
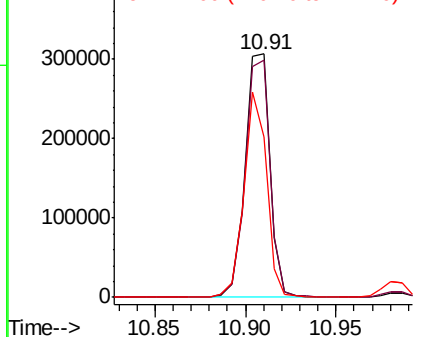


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 41.434 ng
RT: 10.99 min Scan# 1513
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

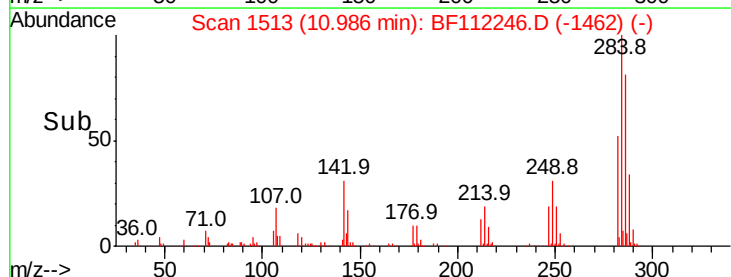
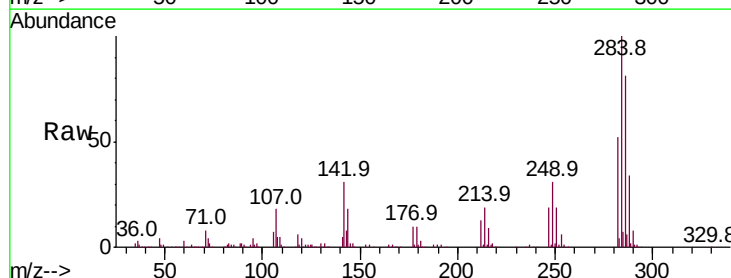
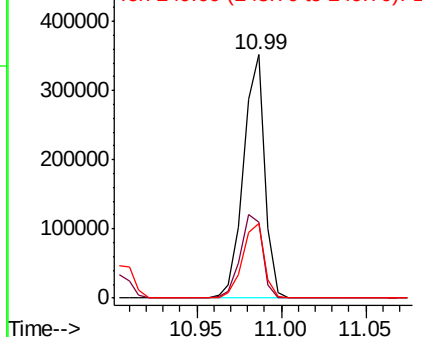
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.1	27.6	41.4
249	30.7	24.1	36.1

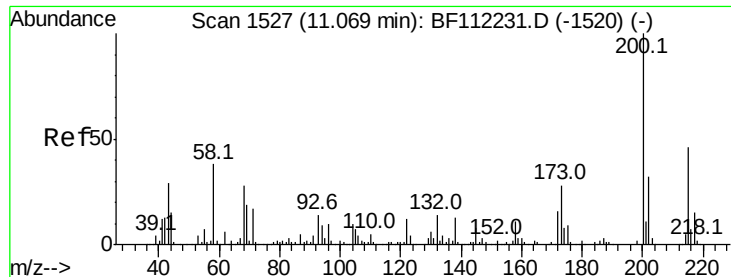
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





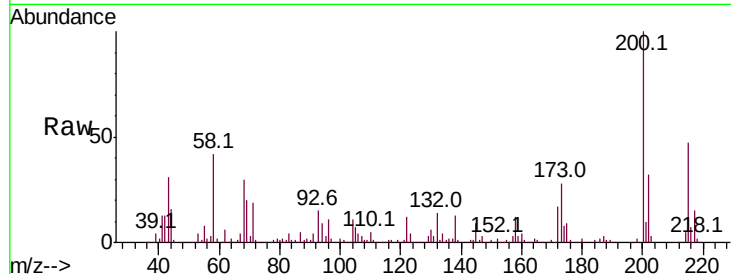
#69
Atrazine
Concen: 43.923 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.5	7.1	47.1
215	47.1	30.4	70.4

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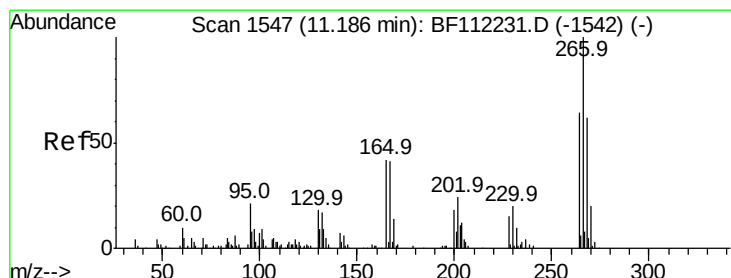
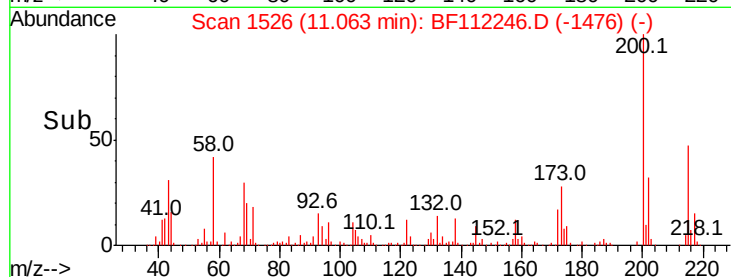
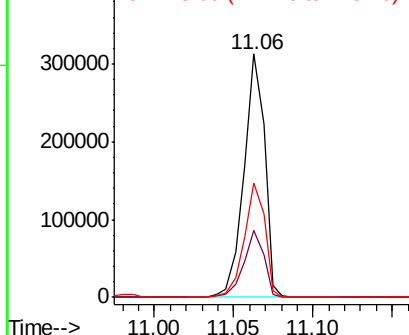


Abundance

Ion 200.00 (199.70 to 200.70): E

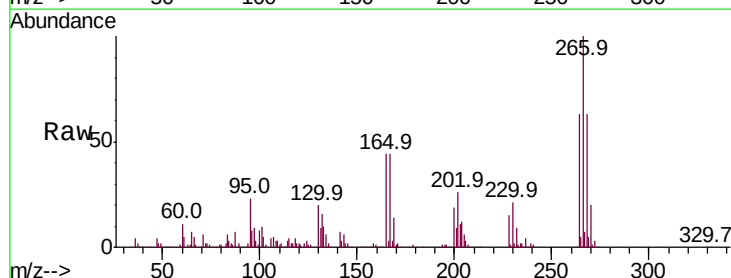
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 78.324 ng
RT: 11.18 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.2	51.2	76.8
264	63.4	50.9	76.3

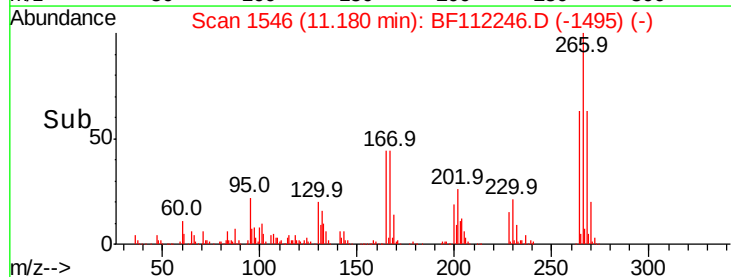
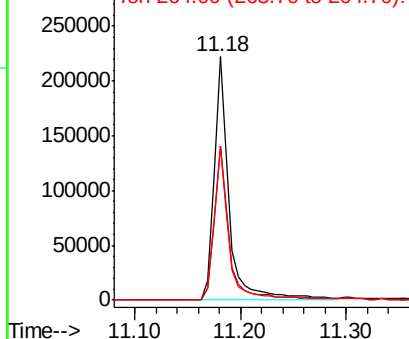


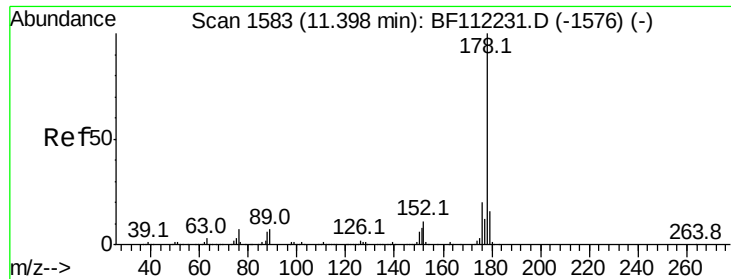
Abundance

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: 43.337 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:178 Resp: 1334631

Ion Ratio Lower Upper

178 100

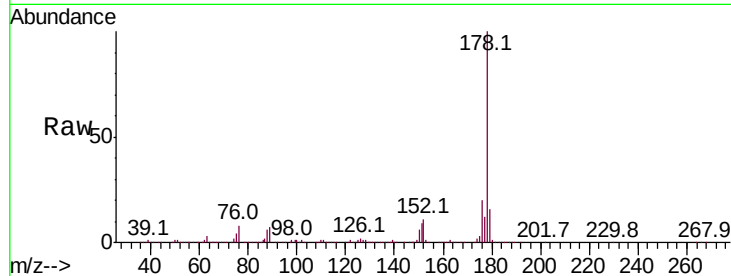
176 19.9 16.3 24.5

179 16.0 13.0 19.4

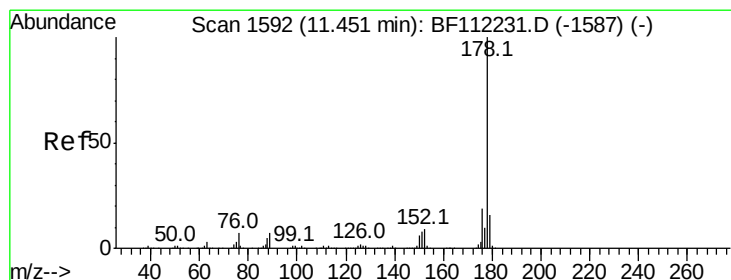
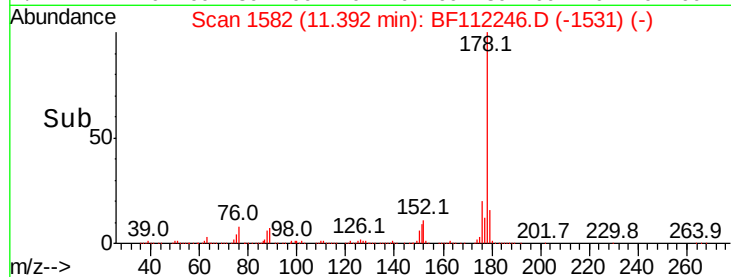
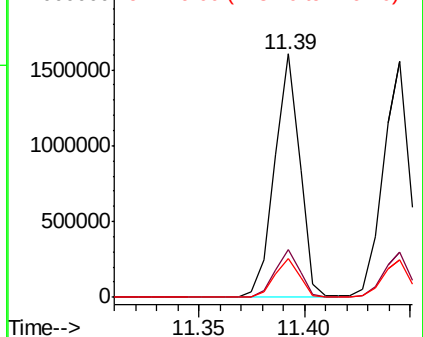
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.702 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Tgt Ion:178 Resp: 1371359

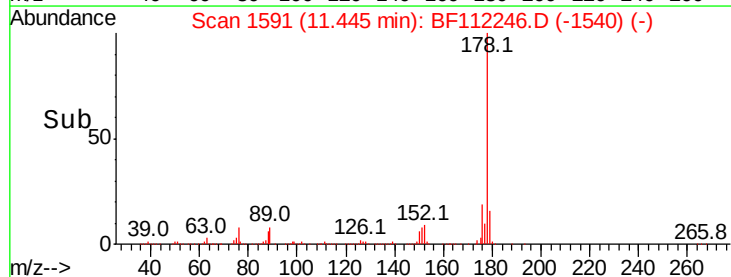
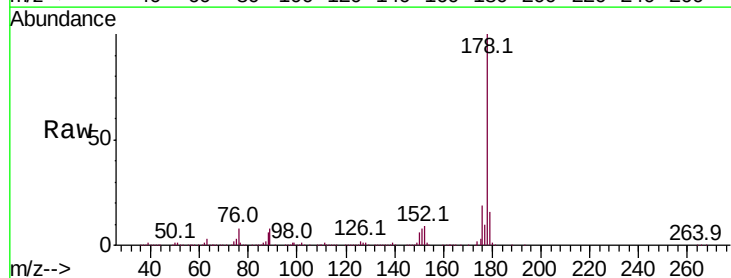
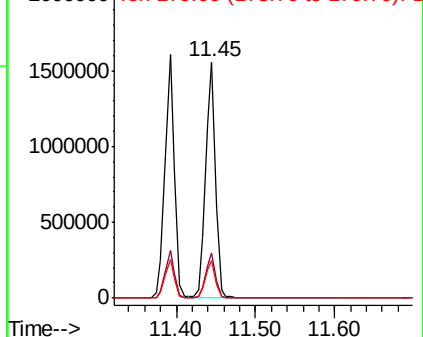
Ion Ratio Lower Upper

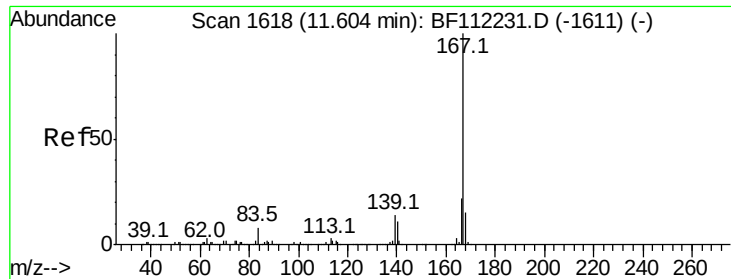
178 100

176 19.1 15.5 23.3

179 15.7 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





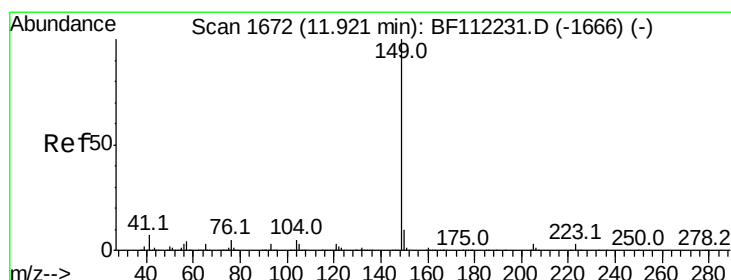
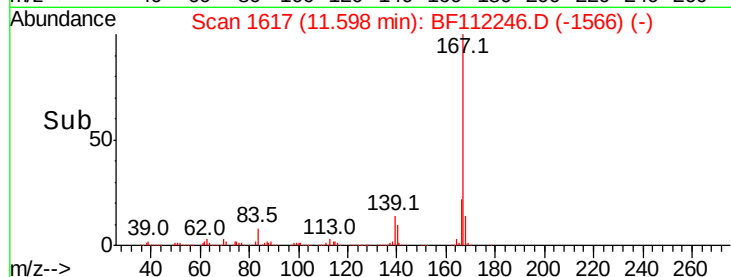
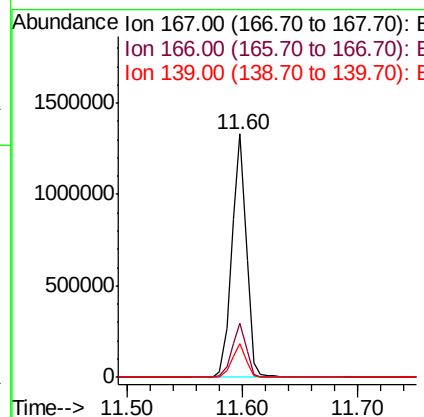
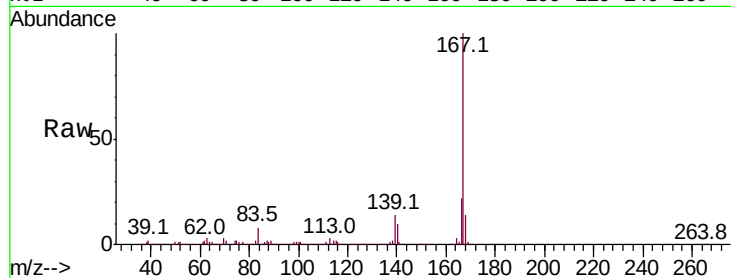
#73
 Carbazole
 Concen: 38.065 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 S4MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	13.7	10.2	15.2

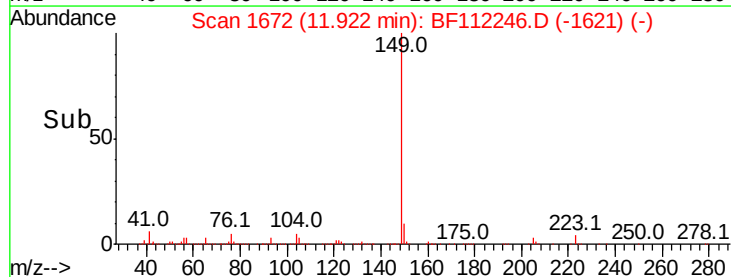
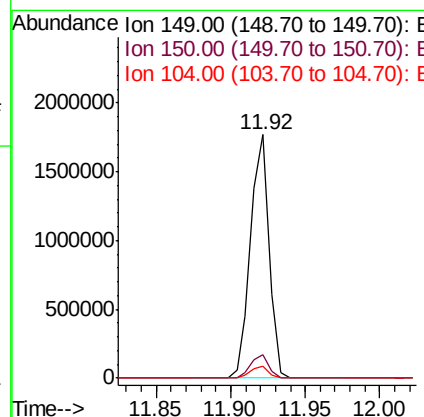
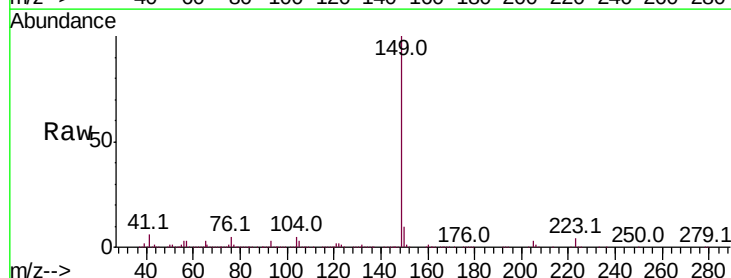
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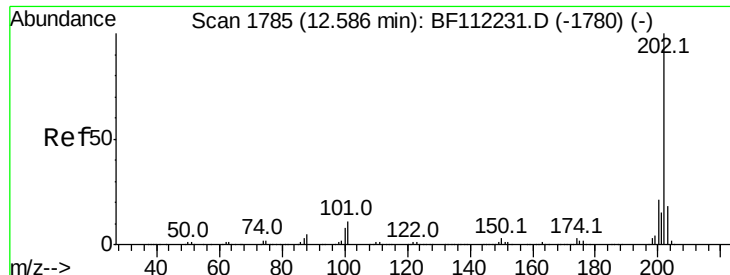
mohammad
 1/29/2019 12:31:39 AM



#74
 Di-n-butylphthalate
 Concen: 40.599 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: BF112246.D
 Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.1	12.1
104	4.8	3.9	5.9





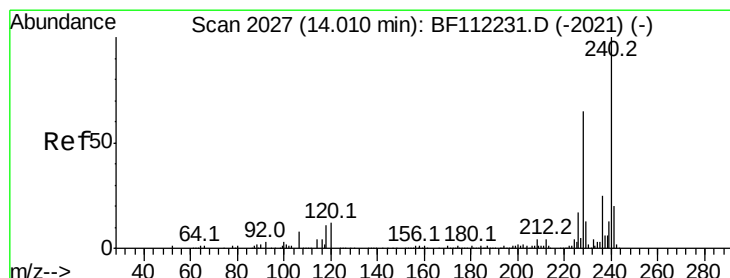
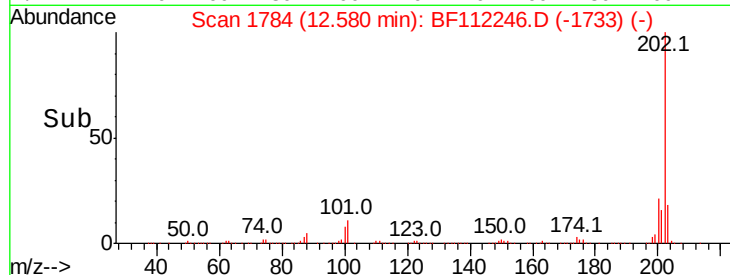
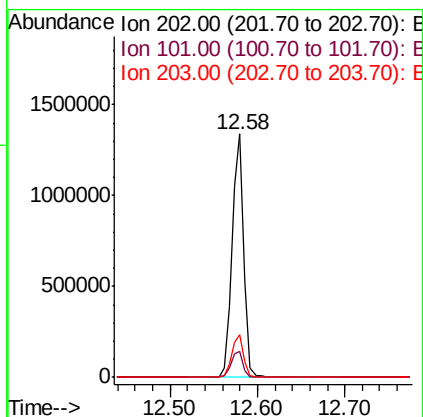
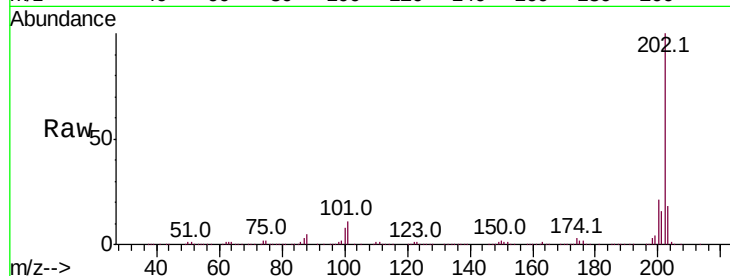
#75
Fluoranthene
Concen: 36.977 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.8
203	17.6	0.0	38.4

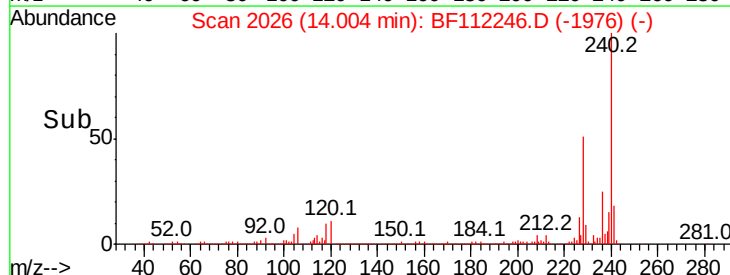
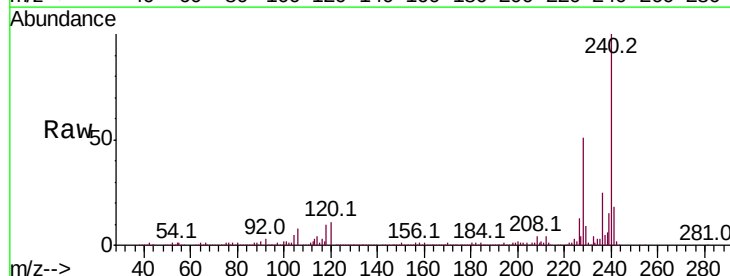
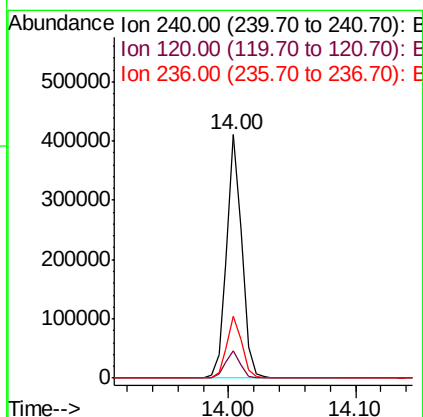
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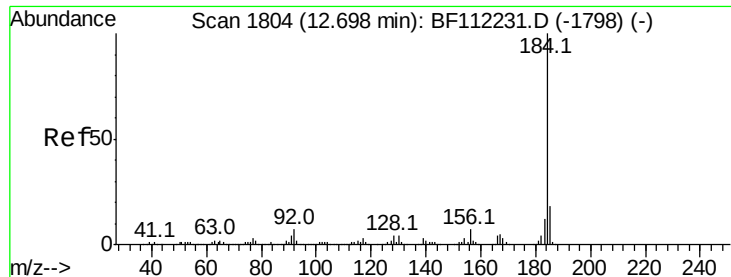
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	25.4	20.7	31.1





#77

Benzidine

Concen: 45.568 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:184 Resp: 426903

Ion Ratio Lower Upper

184 100

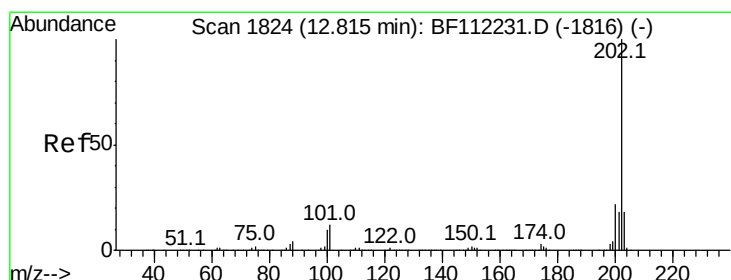
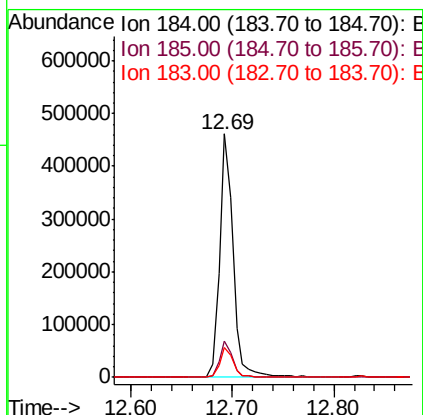
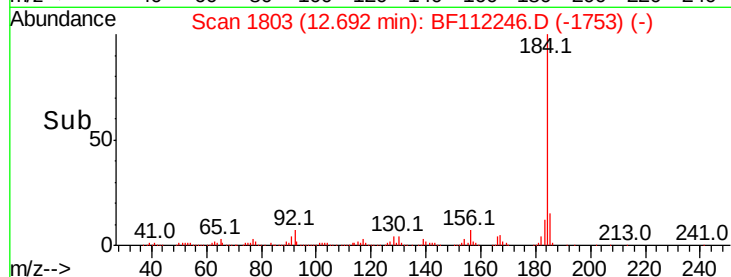
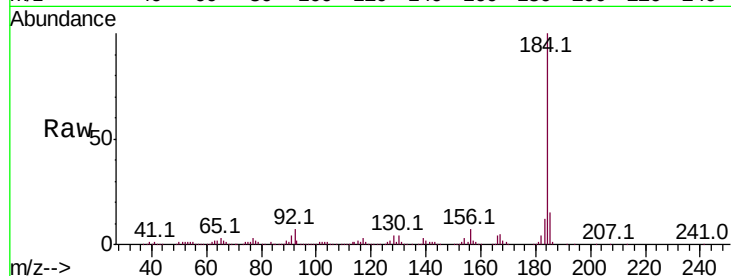
185 14.9 13.9 20.9

183 12.2 10.0 15.0

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#78

Pyrene

Concen: 49.463 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

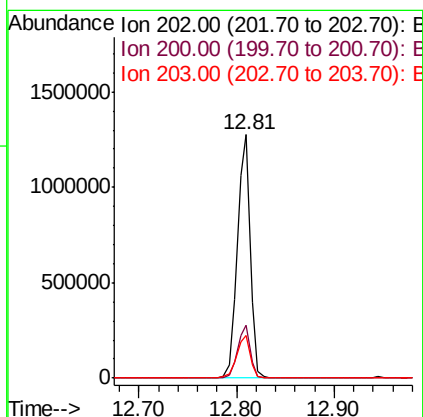
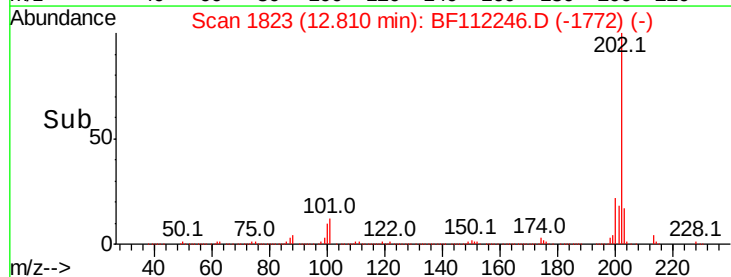
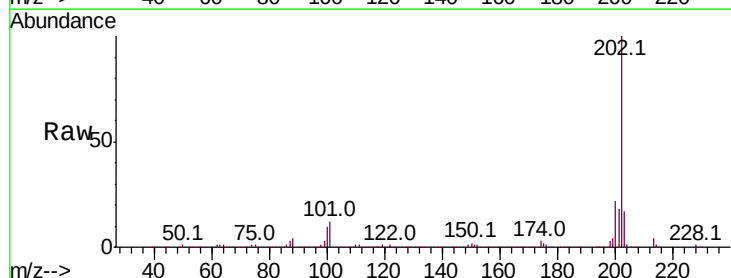
Tgt Ion:202 Resp: 1165664

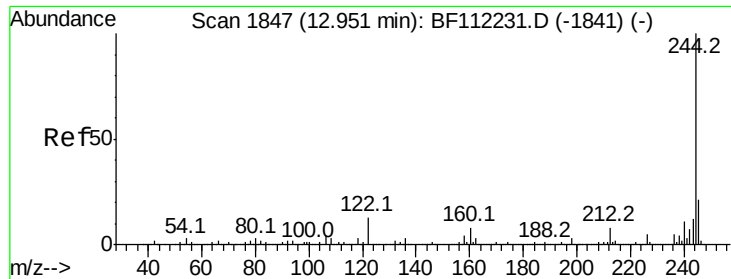
Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

203 17.5 14.6 22.0





#79

Terphenyl-d14

Concen: 81.112 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:244 Resp: 1465881

Ion Ratio Lower Upper

244 100

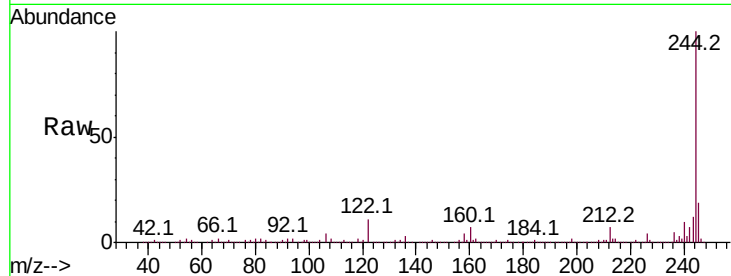
212 7.1 5.9 8.9

122 11.4 9.8 14.6

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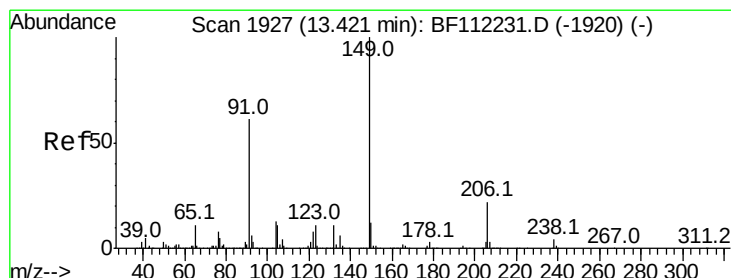
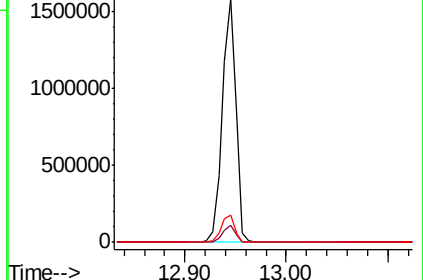
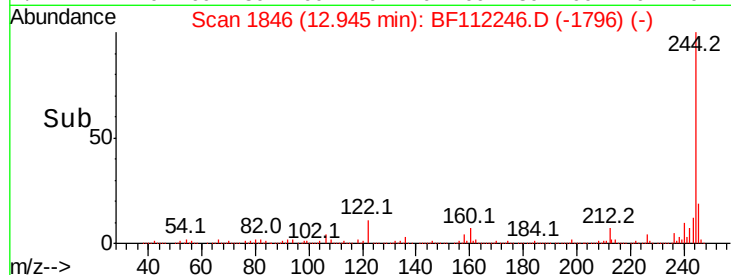
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.821 ng

RT: 13.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

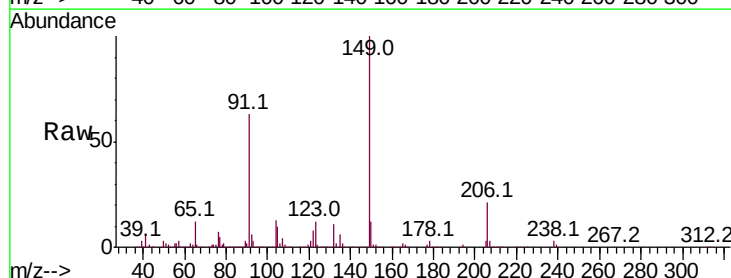
Tgt Ion:149 Resp: 522446

Ion Ratio Lower Upper

149 100

91 63.3 50.3 75.5

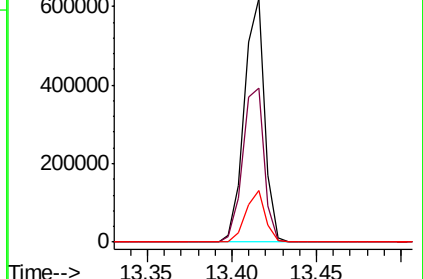
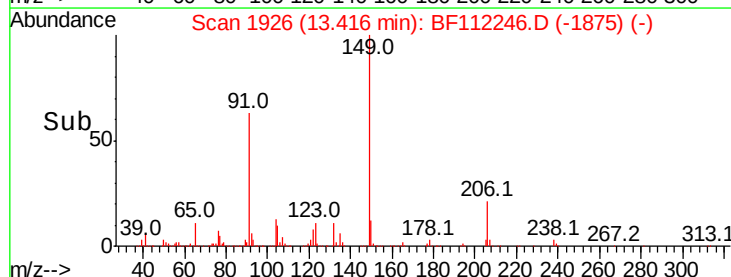
206 21.1 18.2 27.4

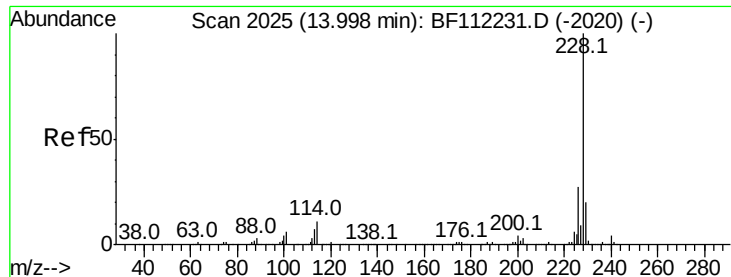


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.370 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

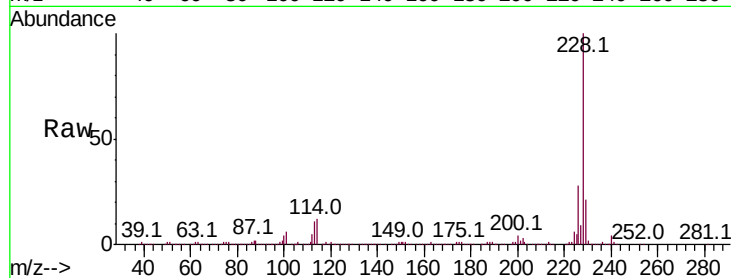
ClientSampleId :

S4MS

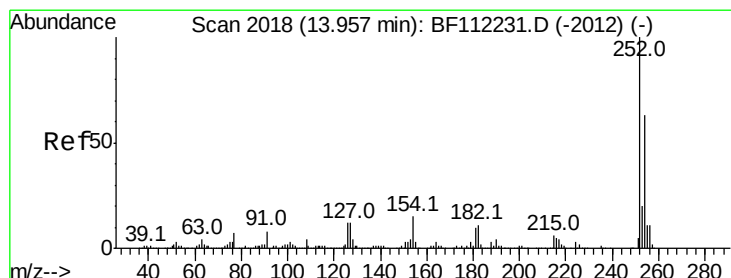
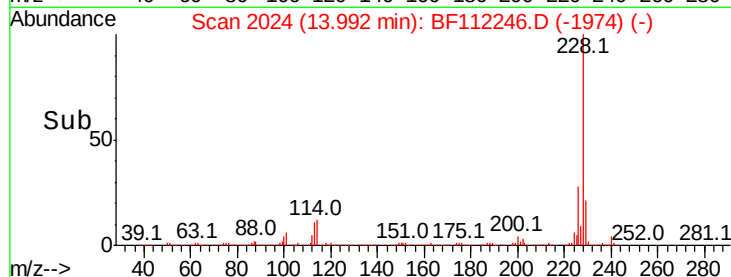
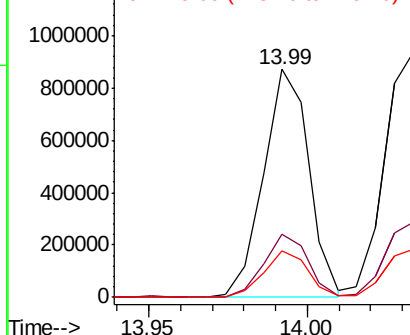
Tot Ion:	228	Resp:	867823
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	34.0
229	20.5	16.5	24.7

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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: 29.521 ng

RT: 13.95 min Scan# 2017

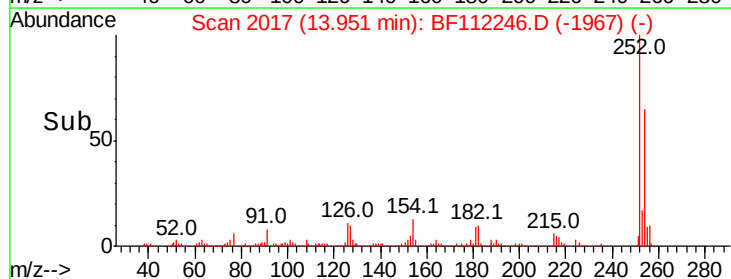
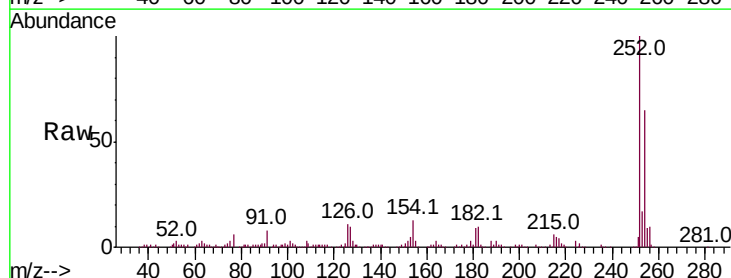
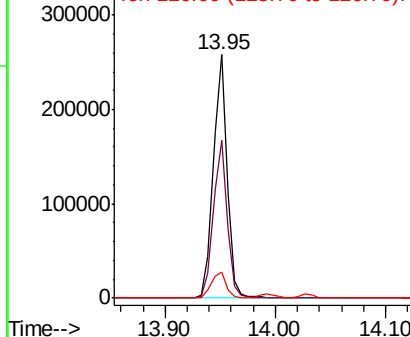
Delta R.T. -0.01 min

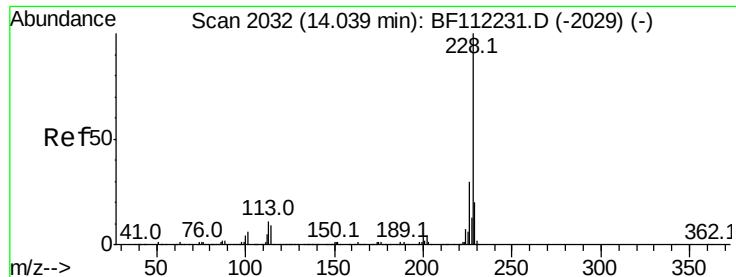
Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Tgt Ion:	252	Resp:	221067
Ion Ratio	Lower	Upper	
252	100		
254	64.9	51.6	77.4
126	10.8	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





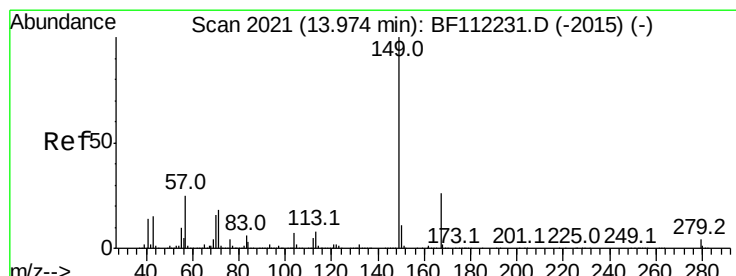
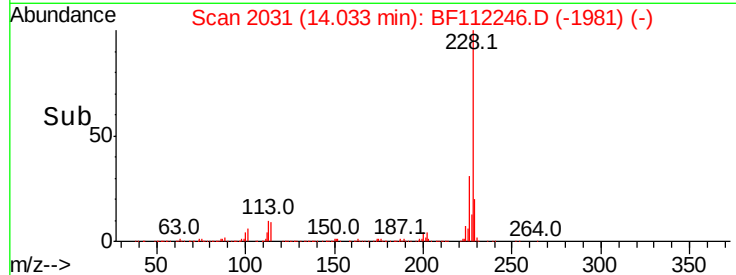
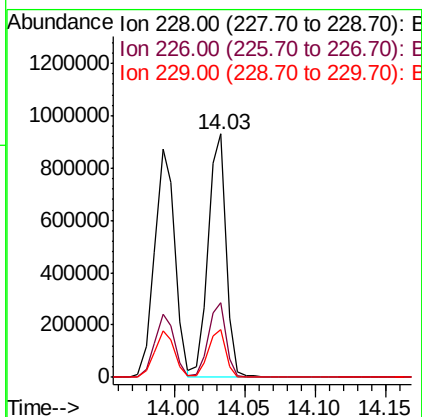
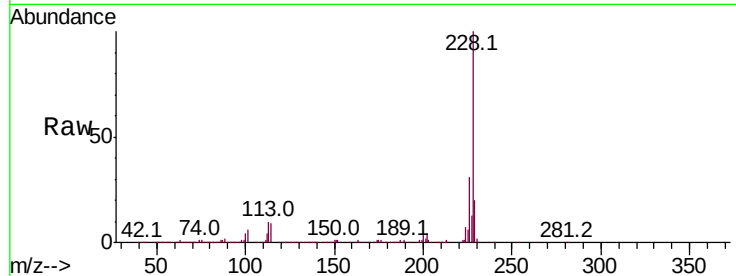
#83
Chrysene
Concen: 42.896 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	19.7	16.6	24.8

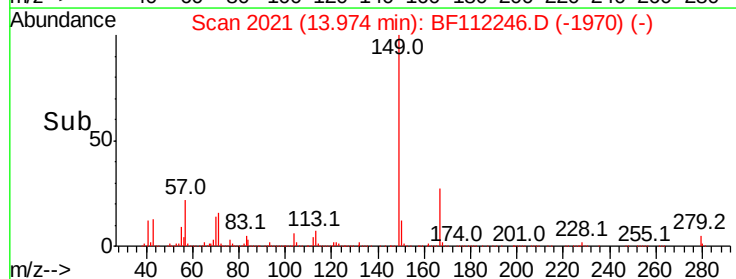
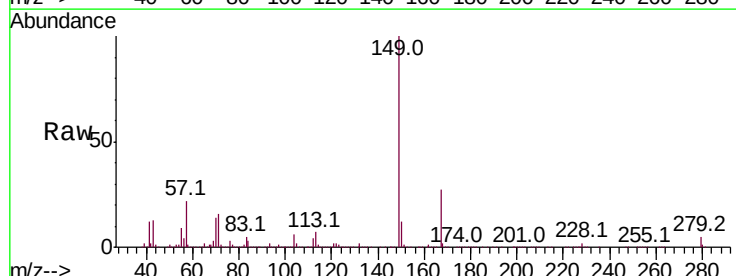
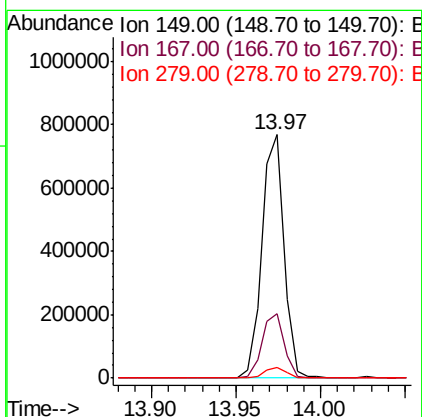
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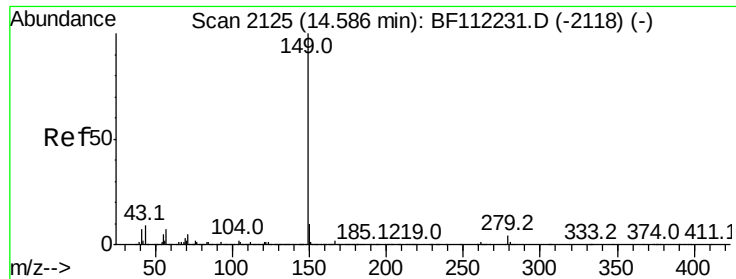
mohammad
1/29/2019 12:31:39 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.115 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.5	33.7
279	4.5	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 41.288 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

Instrument :

BNA_F

ClientSampleId :

S4MS

Tot Ion:149 Resp: 1028098

Ion Ratio Lower Upper

149 100

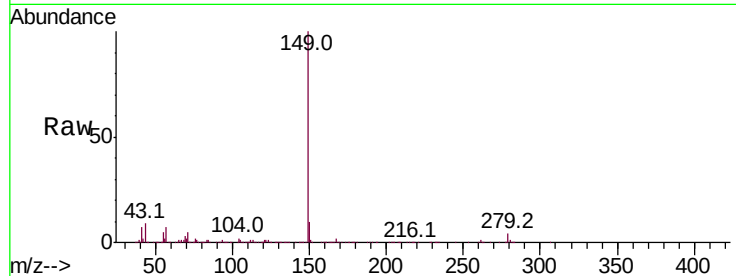
167 1.7 1.3 1.9

43 8.5 7.8 11.6

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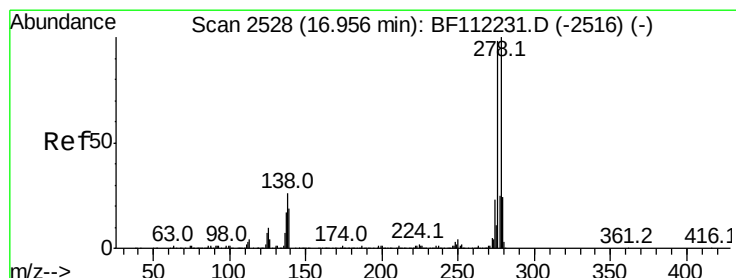
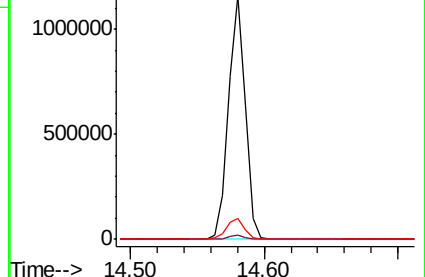
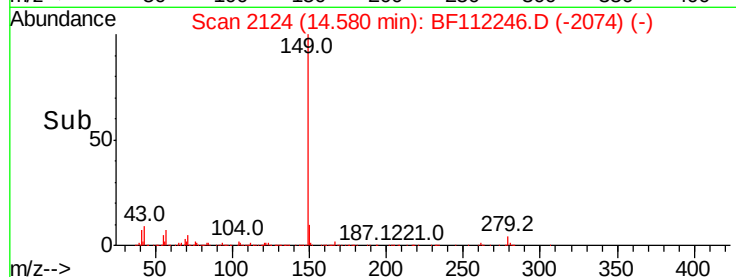
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 63.870 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BF112246.D

Acq: 25 Jan 2019 21:50

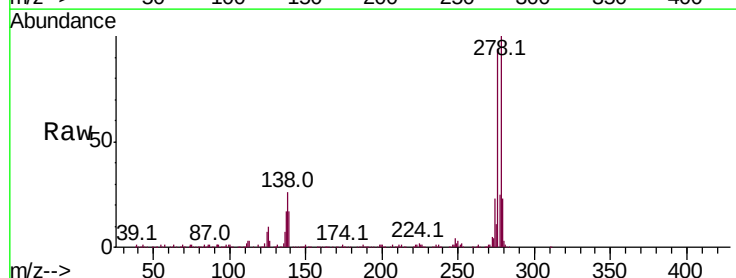
Tgt Ion:276 Resp: 966652

Ion Ratio Lower Upper

276 100

138 25.9 22.6 34.0

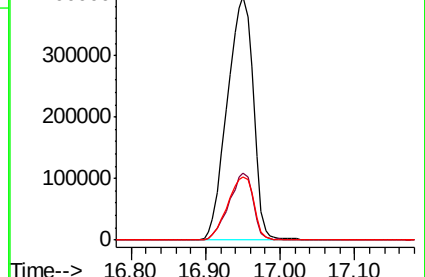
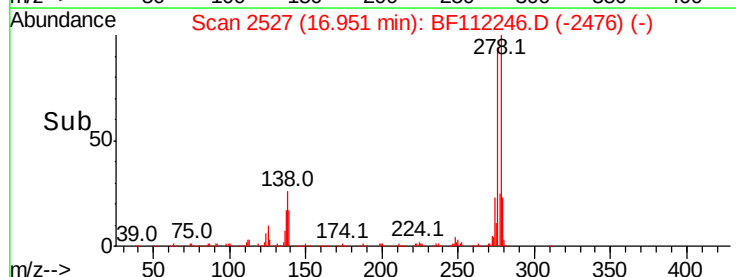
277 26.2 20.3 30.5

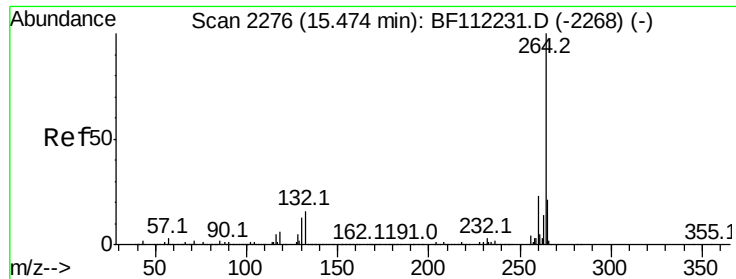


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





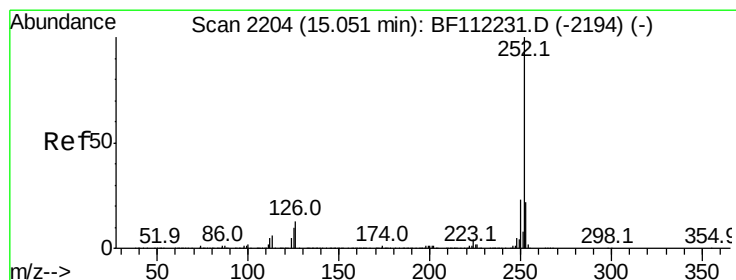
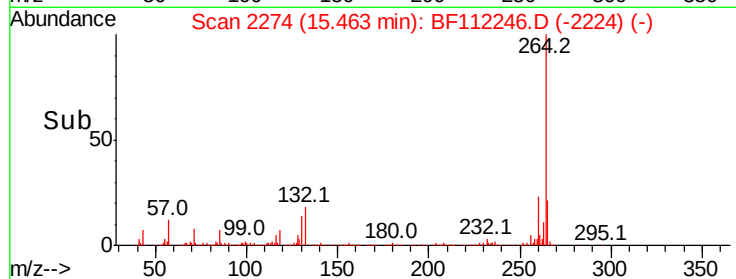
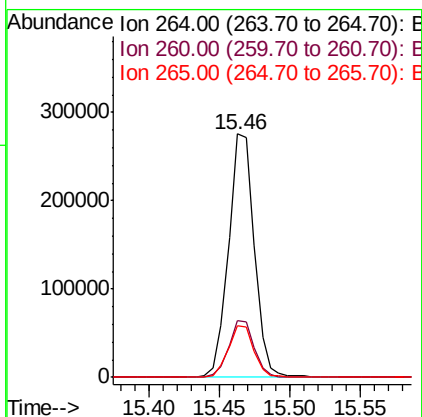
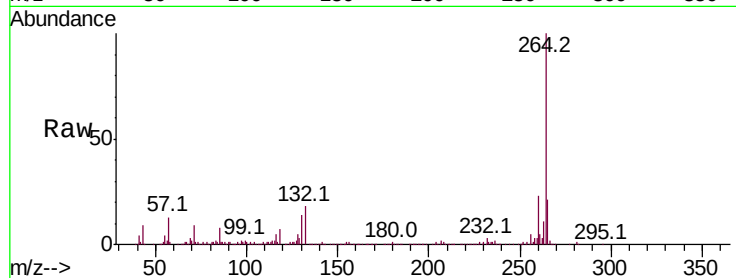
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	21.1	17.0	25.4

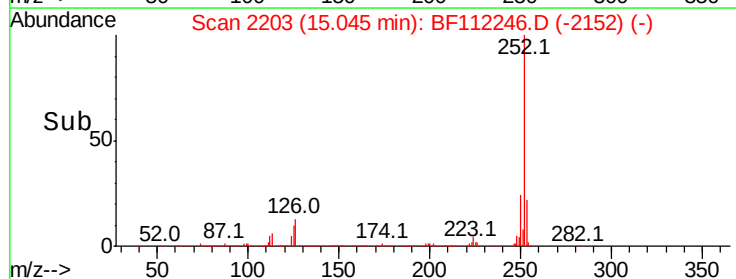
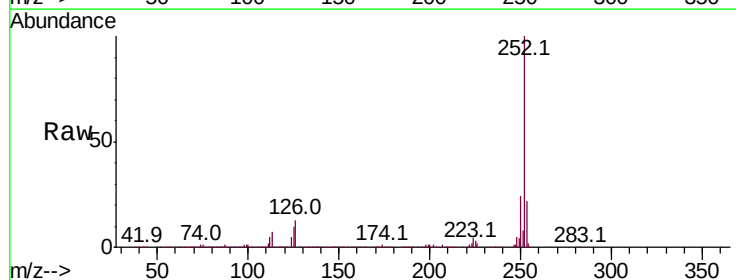
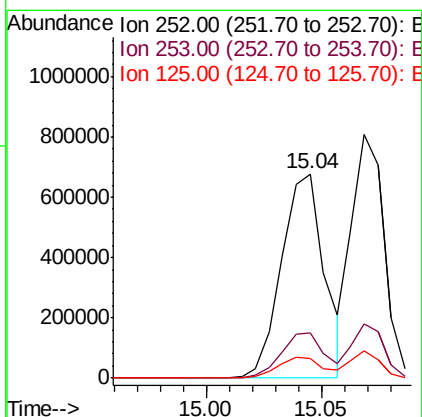
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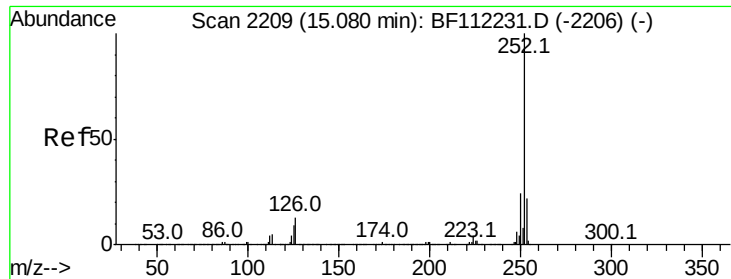
mohammad
1/29/2019 12:31:39 AM



#88
Benzo(b)fluoranthene
Concen: 41.644 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	9.9	8.7	13.1





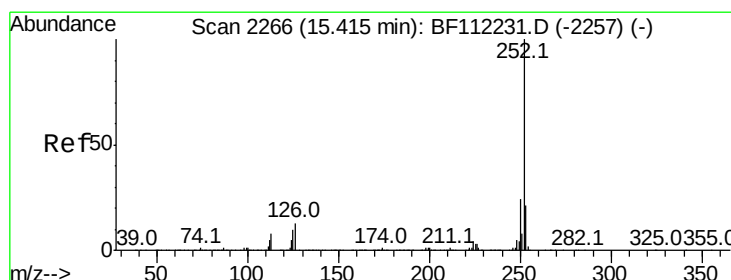
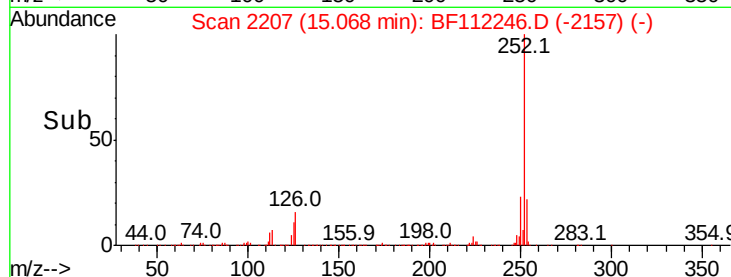
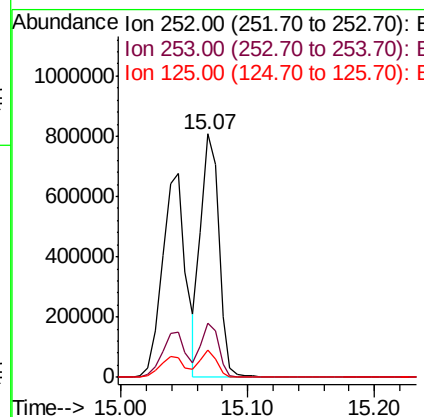
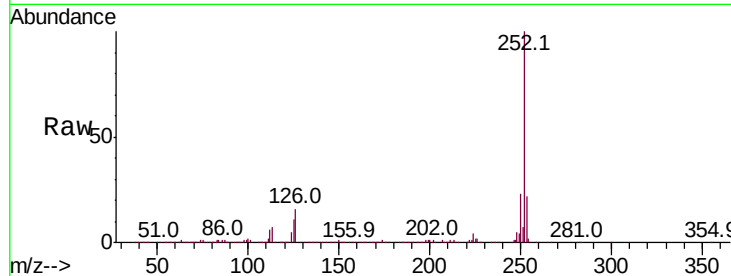
#89
Benzo(k)fluoranthene
Concen: 39.599 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampled :
S4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.0	9.1	13.7

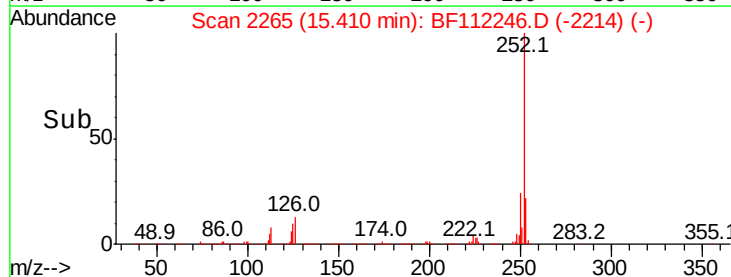
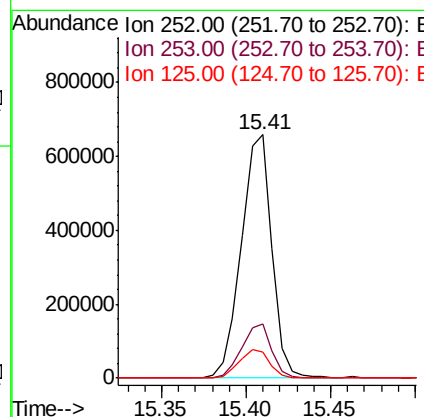
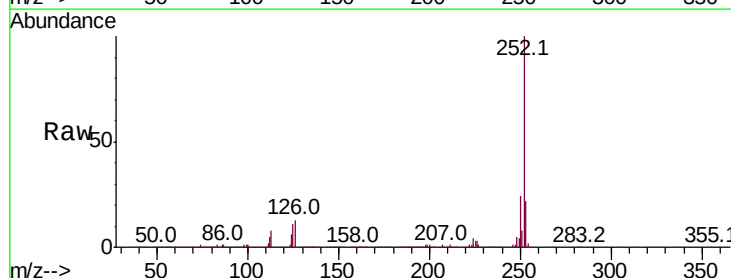
Manual Integrations
APPROVED

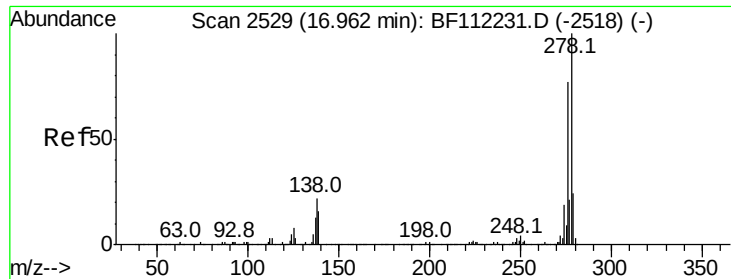
mohammad
1/29/2019 12:31:39 AM



#90
Benzo(a)pyrene
Concen: 43.875 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.5	9.0	13.4





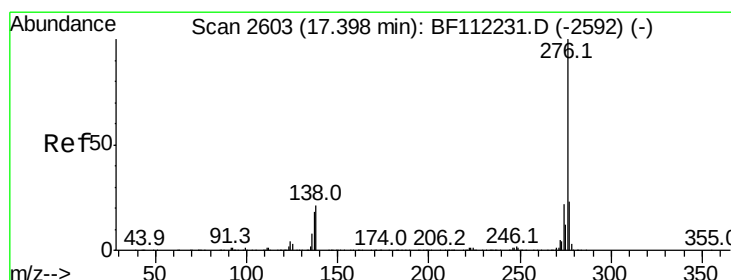
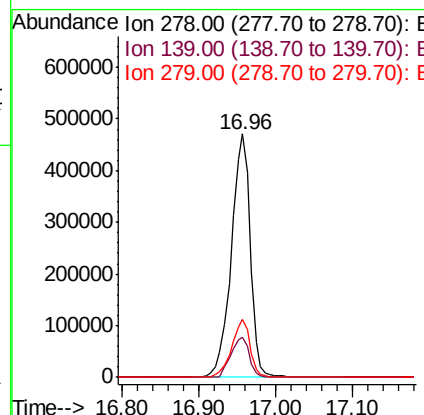
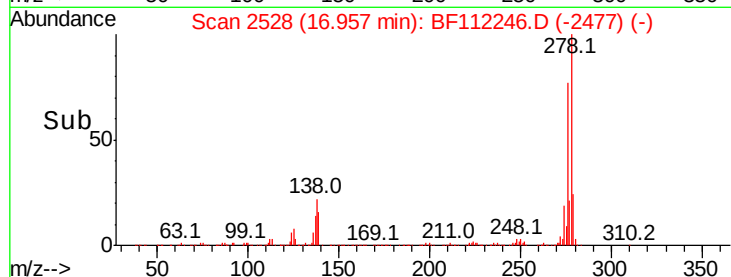
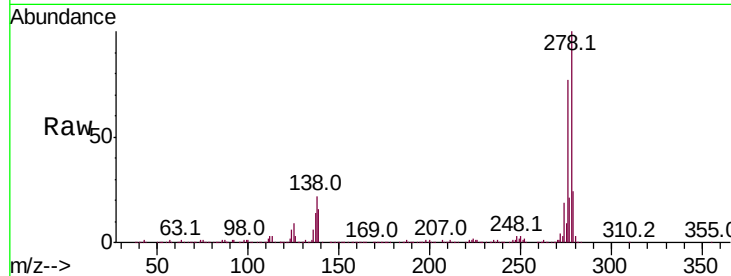
#91
Dibenzo(a,h)anthracene
Concen: 53.336 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Instrument :
BNA_F
ClientSampleId :
S4MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.7	20.5
279	24.0	19.0	28.6

Manual Integrations
APPROVED

mohammad
1/29/2019 12:31:39 AM



#92
Benzo(g,h,i)perylene
Concen: 54.832 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BF112246.D
Acq: 25 Jan 2019 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.0
138	22.7	19.1	28.7

