

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
 Data File : BF114618.D
 Acq On : 25 May 2019 21:34
 Operator : JU/SJ
 Sample : PB119929BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Manual Integrations
 APPROVED

mohammad
 5/27/2019 3:50:24 AM

Quant Time: May 27 01:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140594	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	528921	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	251579	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	489851	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	348047	20.00	ng	-0.02
87) Perylene-d12	15.43	264	335681	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1121766	128.40	ng	0.00
7) Phenol-d6	6.45	99	1429600	138.35	ng	-0.01
23) Nitrobenzene-d5	7.37	82	859020	91.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	330425	127.04	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1542077	92.72	ng	-0.02
79) Terphenyl-d14	12.90	244	1530041	90.62	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.62	88	209691	43.667	ng	100
3) Pyridine	3.36	79	409869	30.978	ng	100
4) n-Nitrosodimethylamine	3.31	42	217937	34.158	ng	99
6) Aniline	6.47	93	410261	27.486	ng	# 58
8) 2-Chlorophenol	6.59	128	404546	43.375	ng	96
9) Benzaldehyde	6.35	77	196926	27.223	ng	97
10) Phenol	6.46	94	500116	41.143	ng	85
11) bis(2-Chloroethyl)ether	6.53	93	382617	41.462	ng	98
12) 1,3-Dichlorobenzene	6.74	146	423778	40.478	ng	98
13) 1,4-Dichlorobenzene	6.82	146	440549	41.759	ng	98
14) 1,2-Dichlorobenzene	6.97	146	401160	41.621	ng	99
15) Benzyl Alcohol	6.95	79	318950	39.576	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	683451	38.196	ng	59
17) 2-Methylphenol	7.07	107	320781	41.869	ng	# 90
18) Hexachloroethane	7.30	117	159800	40.354	ng	96
19) n-Nitroso-di-n-propylamine	7.22	70	274191	41.864	ng	100
20) 3+4-Methylphenols	7.22	107	420057	47.454	ng	# 69
22) Acetophenone	7.21	105	544662	46.484	ng	# 87
24) Nitrobenzene	7.39	77	423266	44.094	ng	96
25) Isophorone	7.62	82	754718	43.178	ng	99
26) 2-Nitrophenol	7.70	139	216788	46.549	ng	97
27) 2,4-Dimethylphenol	7.75	122	351130	48.004	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	481306	42.439	ng	99
29) 2,4-Dichlorophenol	7.96	162	336734	46.232	ng	96
30) 1,2,4-Trichlorobenzene	8.03	180	357225	43.131	ng	97
31) Naphthalene	8.10	128	1142616	46.247	ng	99
32) Benzoic acid	7.90	122	187830m	37.767	ng	
33) 4-Chloroaniline	8.16	127	295973	26.288	ng	99
34) Hexachlorobutadiene	8.22	225	196660	41.731	ng	99
35) Caprolactam	8.53	113	107529m	45.276	ng	
36) 4-Chloro-3-methylphenol	8.66	107	348165	47.489	ng	98
37) 2-Methylnaphthalene	8.80	142	774224	48.569	ng	97
38) 1-Methylnaphthalene	8.90	142	725866	48.354	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	351113	46.073	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	150390	44.393	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	210519	40.161	nq	97
44) 2,4,5-Trichlorophenol	9.13	196	215754	40.135	nq	95
46) 1,1'-Biphenyl	9.26	154	937562	46.130	nq	98
47) 2-Chloronaphthalene	9.29	162	707103	43.230	nq	99
48) 2-Nitroaniline	9.39	65	236237	40.724	nq	91
49) Acenaphthylene	9.70	152	1120483	45.040	nq	98
50) Dimethylphthalate	9.56	163	783070	42.401	nq	100
51) 2,6-Dinitrotoluene	9.63	165	179359	43.786	nq	98
52) Acenaphthene	9.87	154	653875	42.832	nq	99
53) 3-Nitroaniline	9.80	138	138371	27.212	nq	95
54) 2,4-Dinitrophenol	9.93	184	143001	70.318	nq	92
55) Dibenzofuran	10.05	168	938162	41.910	nq	100
56) 4-Nitrophenol	9.99	139	175117	48.698	nq	99
57) 2,4-Dinitrotoluene	10.05	165	220648	39.686	nq	# 79
58) Fluorene	10.39	166	780954	45.166	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	180972	39.016	nq	99
60) Diethylphthalate	10.26	149	781168	41.629	nq	98
61) 4-Chlorophenyl-phenylether	10.37	204	369457	43.505	nq	96
62) 4-Nitroaniline	10.42	138	189985	35.556	nq	97
63) Azobenzene	10.54	77	763568	42.039	nq	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	99120	42.111	nq	99
66) n-Nitrosodiphenylamine	10.50	169	683184	45.953	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	227113	42.109	nq	97
68) Hexachlorobenzene	10.95	284	247730	41.519	nq	92
69) Atrazine	11.02	200	198177	42.835	nq	99
70) Pentachlorophenol	11.15	266	148070	52.351	nq	98
71) Phenanthrene	11.35	178	1094630	45.931	nq	99
72) Anthracene	11.40	178	1127546	47.105	nq	98
73) Carbazole	11.56	167	1062317	46.539	nq	98
74) Di-n-butylphthalate	11.88	149	1195538	45.462	nq	99
75) Fluoranthene	12.54	202	1184493	46.154	nq	99
77) Benzidine	12.66	184	577412	36.958	nq	98
78) Pyrene	12.77	202	1189030	42.467	nq	99
80) Butylbenzylphthalate	13.37	149	522111	44.303	nq	98
81) Benzo(a)anthracene	13.96	228	985106	43.760	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	293052	33.557	nq	100
83) Chrysene	14.00	228	978424	44.338	nq	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	697884	45.279	nq	100
85) Di-n-octyl phthalate	14.54	149	1155457	46.245	nq	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	902712	46.286	nq	99
88) Benzo(b)fluoranthene	15.00	252	1027821	47.793	nq	99
89) Benzo(k)fluoranthene	15.03	252	857912	43.427	nq	99
90) Benzo(a)pyrene	15.37	252	894306	47.251	nq	98
91) Dibenzo(a,h)anthracene	16.89	278	763064	48.519	nq	100
92) Benzo(g,h,i)perylene	17.33	276	783417	49.706	nq	98

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

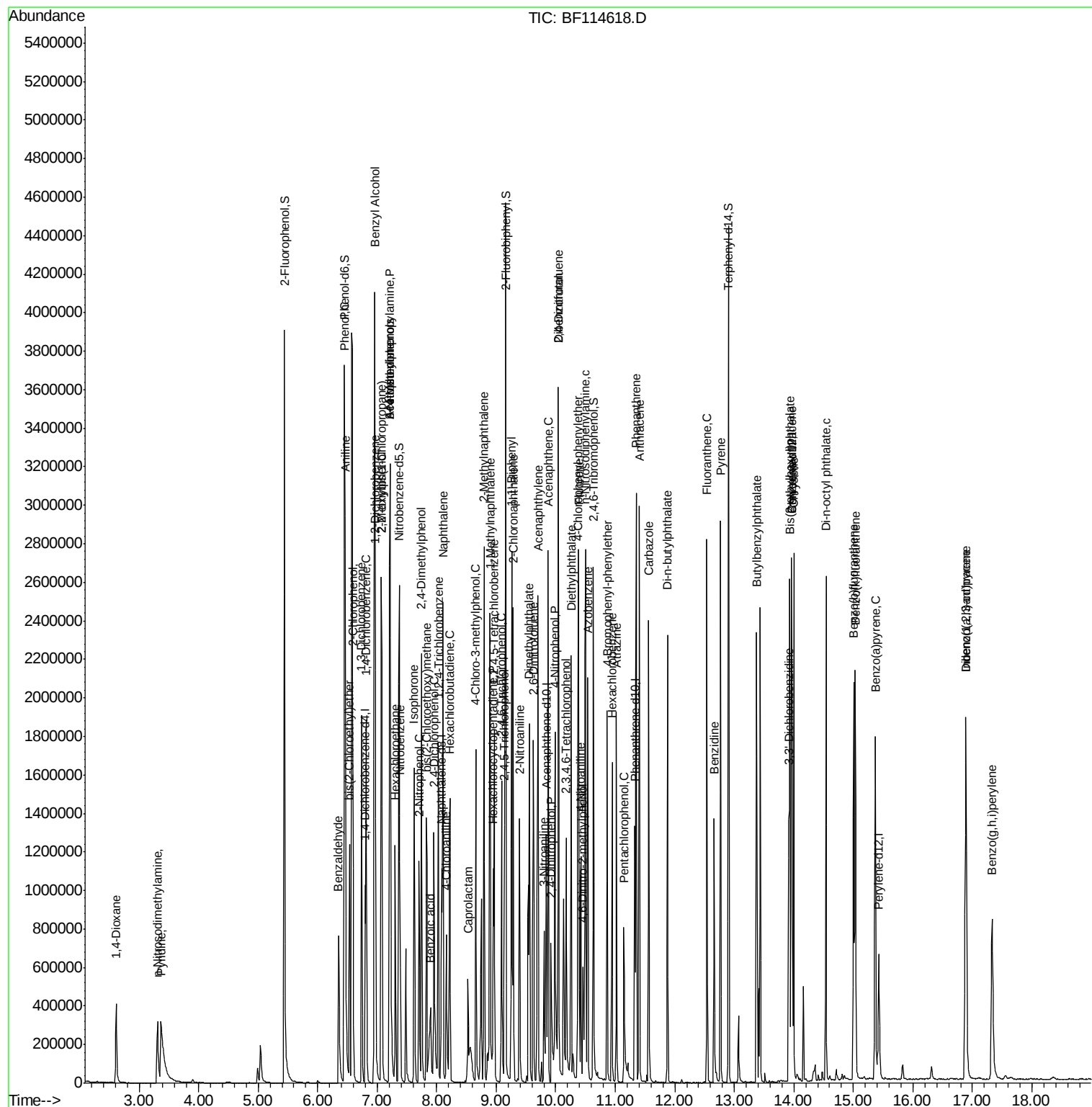
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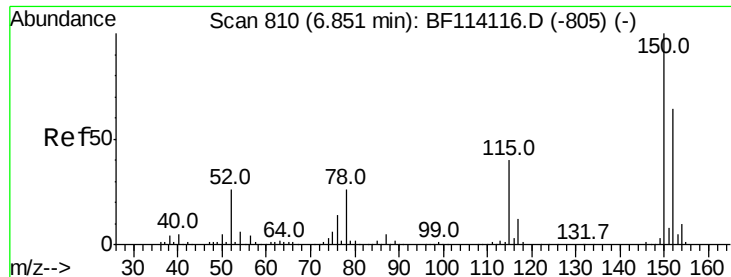
Instrument :
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#1

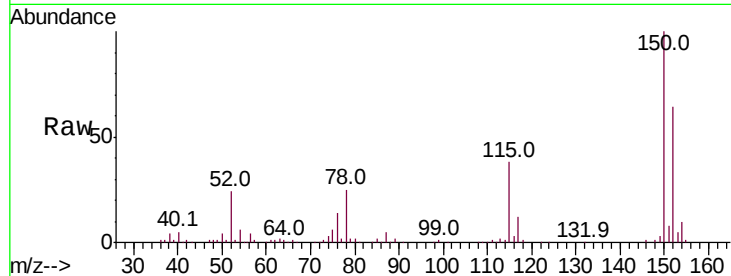
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

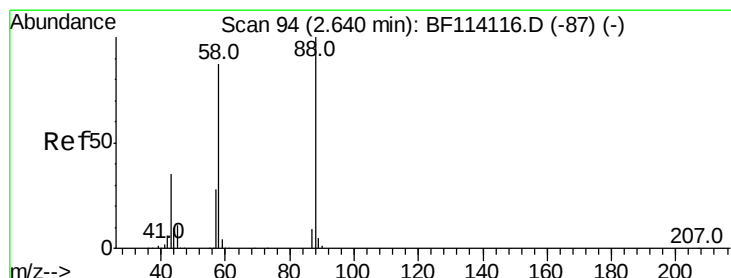
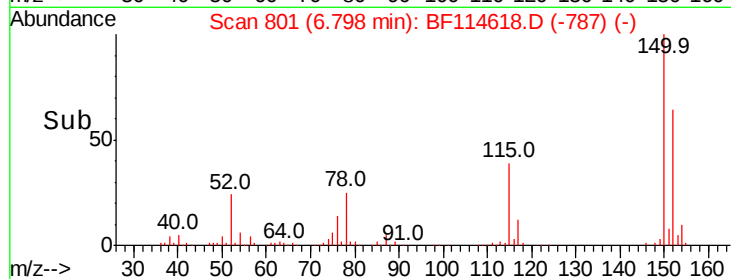
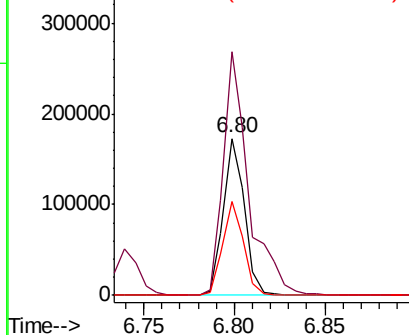
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.3	186.5
115	59.8	49.1	73.7

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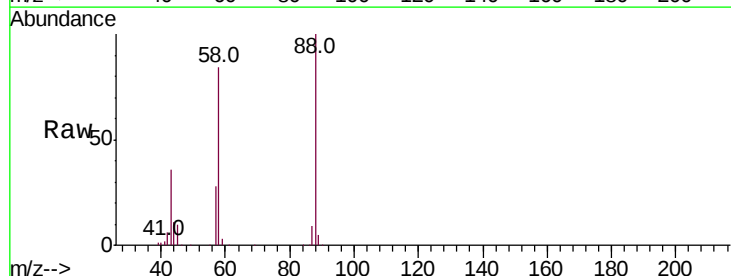
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



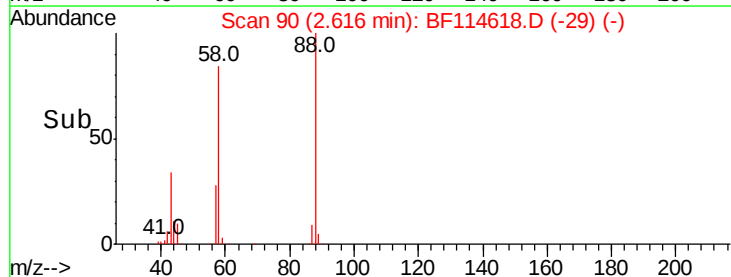
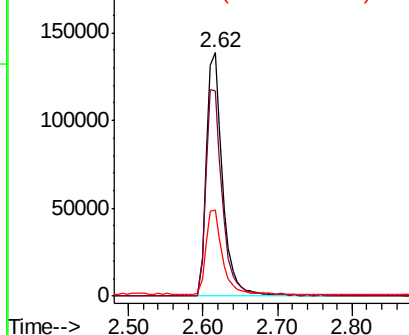
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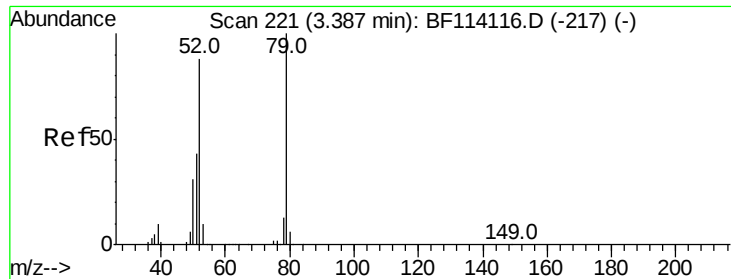
1,4-Dioxane
Concen: 43.667 ng
RT: 2.62 min Scan# 90
Delta R.T. 0.06 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.9	68.7	103.1
43	35.8	28.2	42.2



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: 30.978 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.06 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

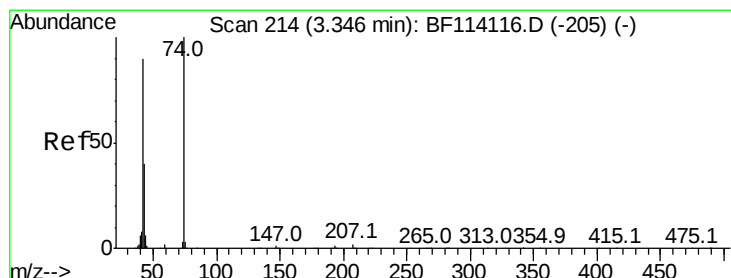
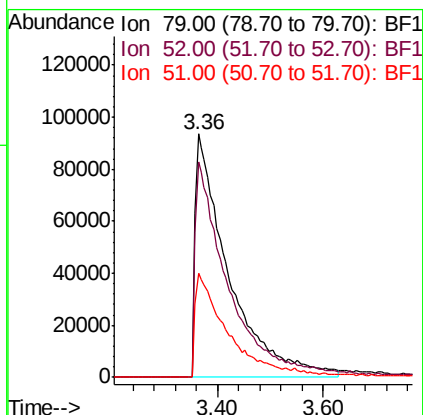
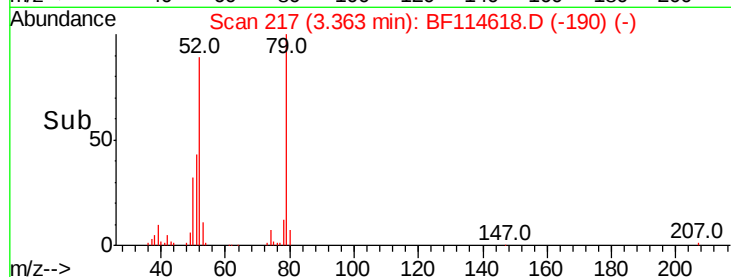
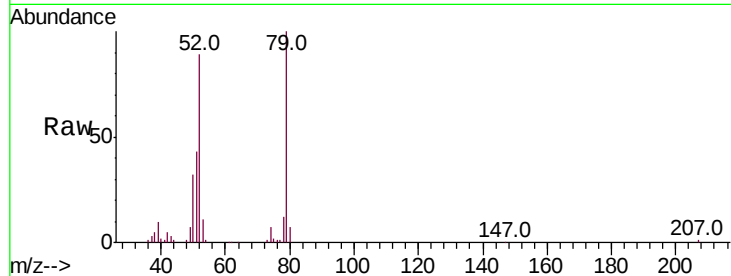
ClientSampleId :

PB119929BSD

Tot Ion:	79	Resp:	409869
Ion	Ratio	Lower	Upper
79	100		
52	88.6	70.6	105.8
51	42.7	34.2	51.2

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#4

n-Nitrosodimethylamine

Concen: 34.158 ng

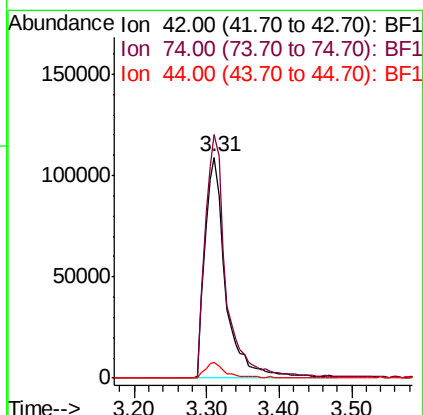
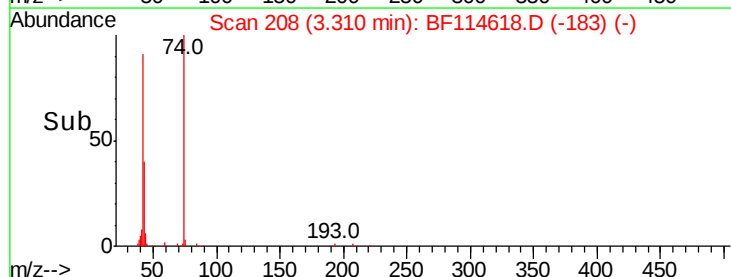
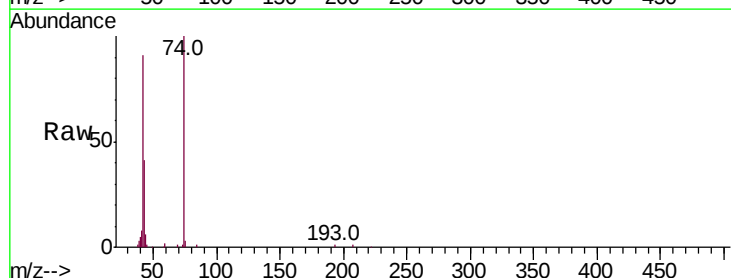
RT: 3.31 min Scan# 208

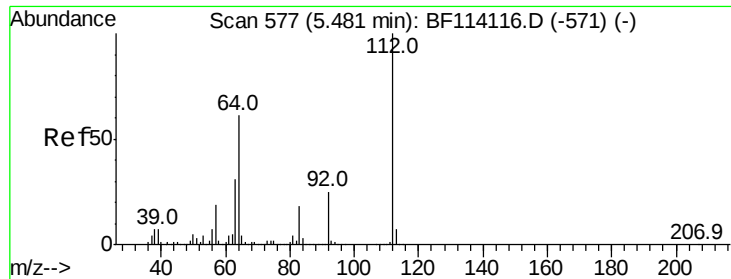
Delta R.T. 0.05 min

Lab File: BF114618.D

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Tgt Ion:	42	Resp:	217937
Ion	Ratio	Lower	Upper
42	100		
74	110.1	88.6	132.8
44	6.9	5.5	8.3





#5

2-Fluorophenol

Concen: 128.399 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

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Tot Ion:112 Resp: 1121766

Ion Ratio Lower Upper

112 100

64 64.5 49.0 73.6

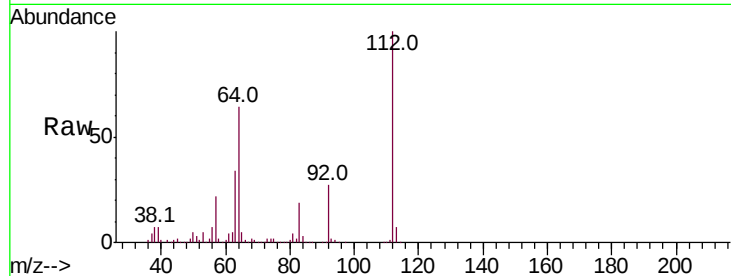
63 33.9 24.6 37.0

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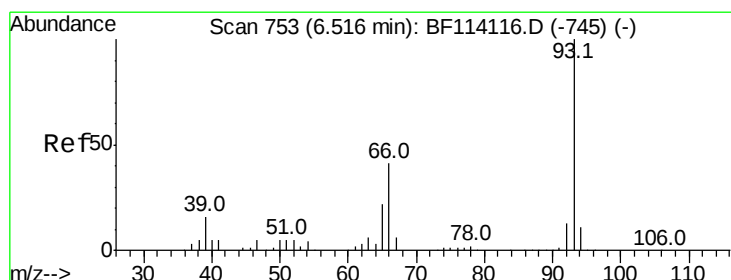
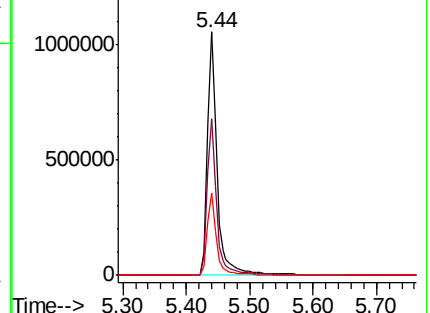
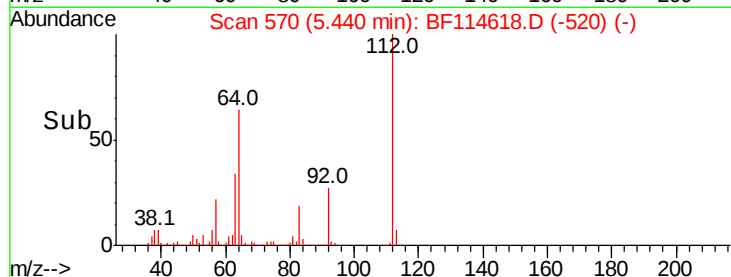
5/27/2019 3:50:24 AM



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: 27.486 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

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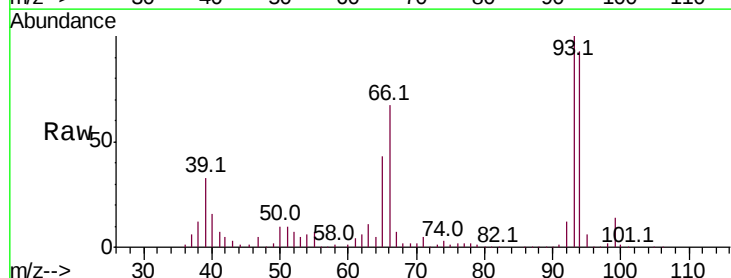
Tgt Ion: 93 Resp: 410261

Ion Ratio Lower Upper

93 100

66 66.9 33.2 49.8#

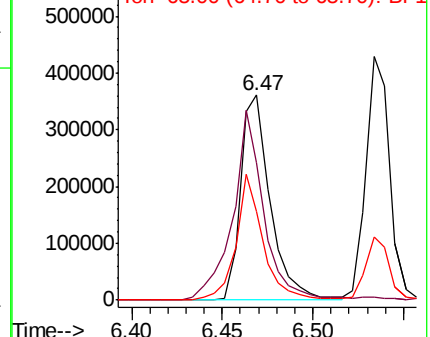
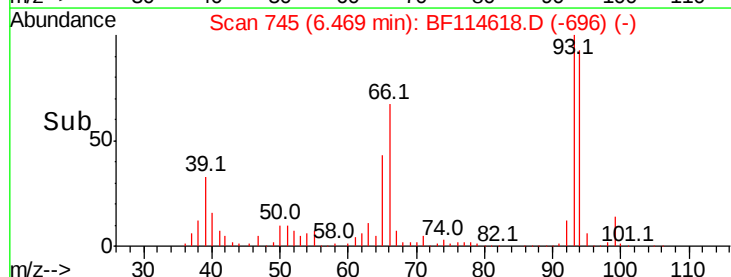
65 43.2 17.6 26.4#

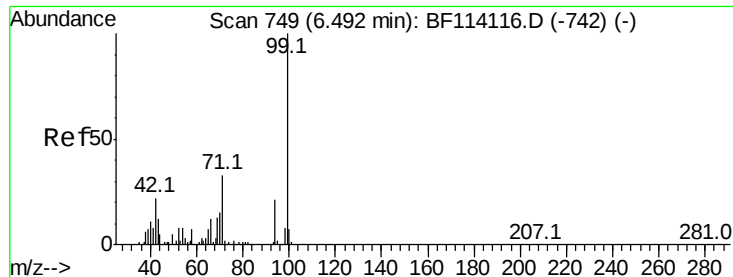


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 138.353 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

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Tot Ion: 99 Resp: 1429600

Ion Ratio Lower Upper

99 100

42 22.3 17.9 26.9

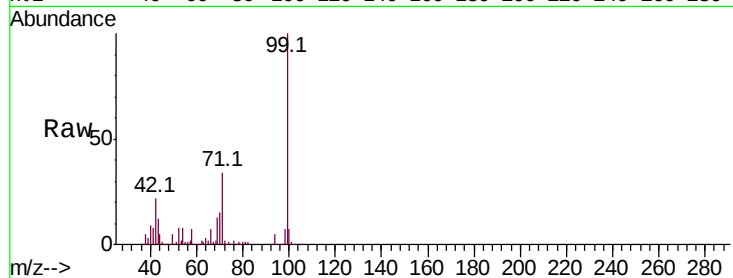
71 34.4 26.2 39.2

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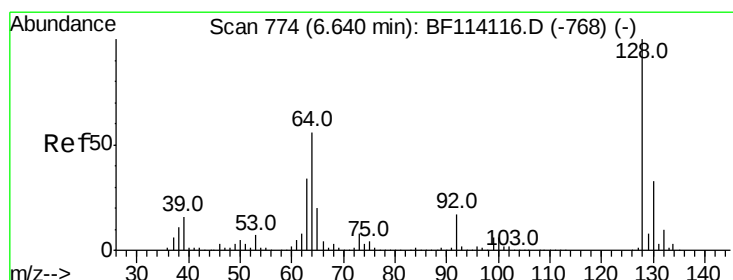
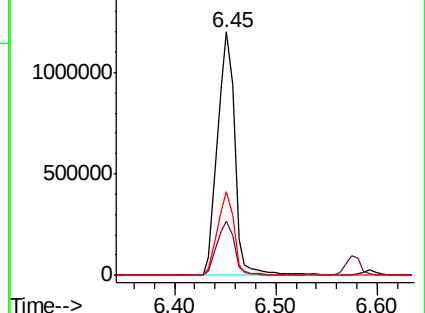
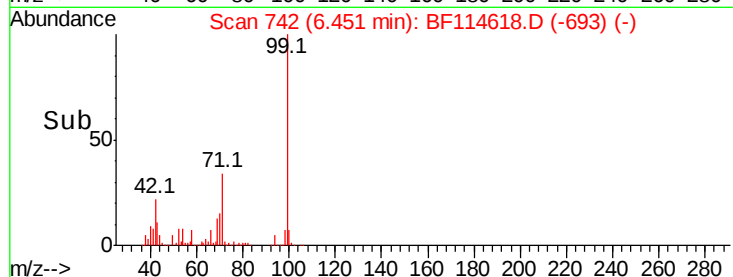
5/27/2019 3:50:24 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.375 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

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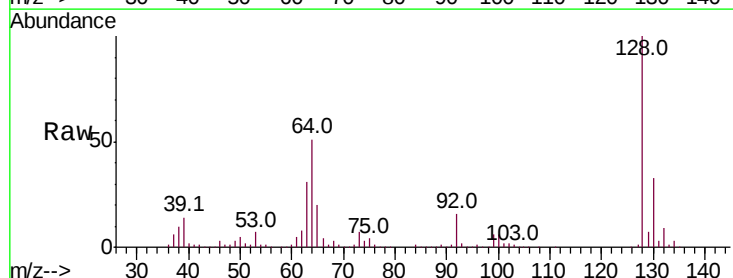
Tgt Ion: 128 Resp: 404546

Ion Ratio Lower Upper

128 100

130 33.1 12.6 52.6

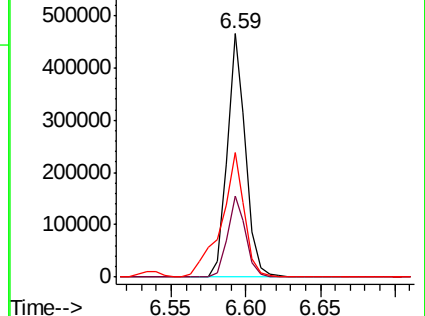
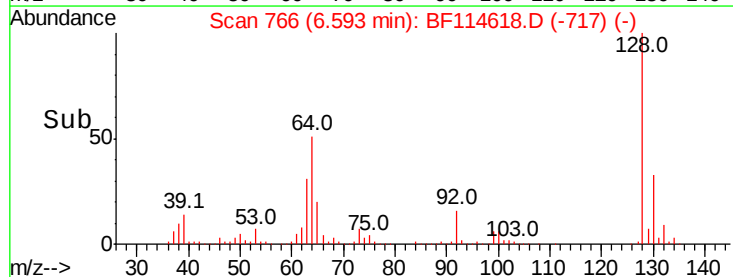
64 51.2 35.9 75.9

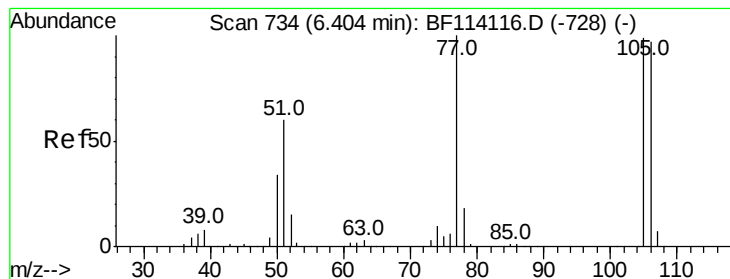


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.223 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

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BNA_F

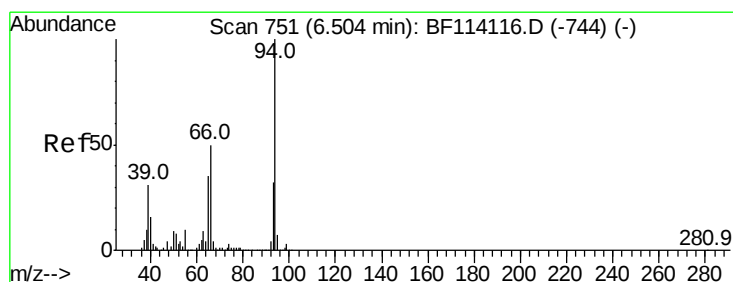
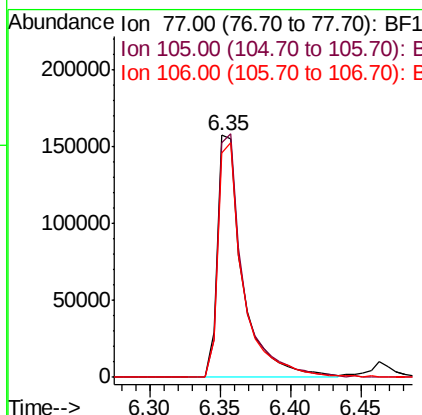
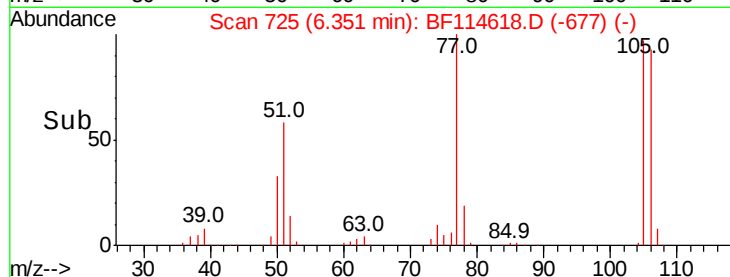
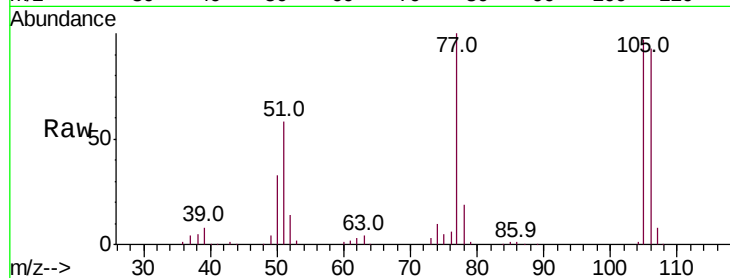
ClientSampleId :

PB119929BSD

Tot Ion	77	Resp	196926
Ion	Ratio	Lower	Upper
77	100		
105	96.9	79.3	119.3
106	92.7	77.0	117.0

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#10

Phenol

Concen: 41.143 ng

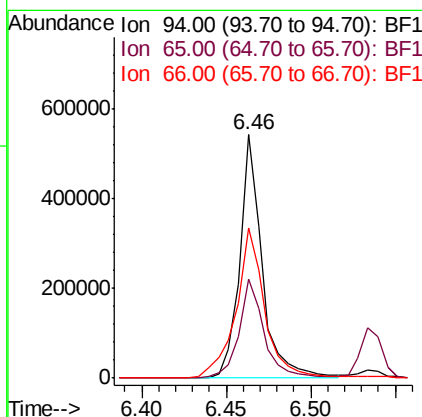
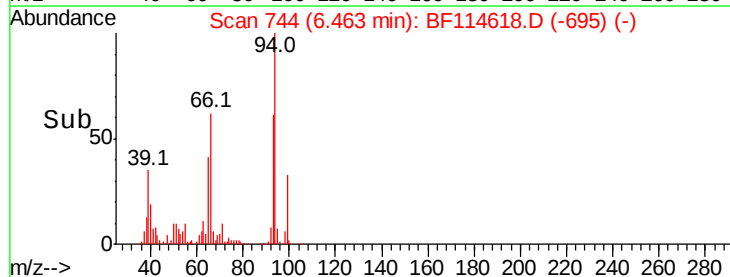
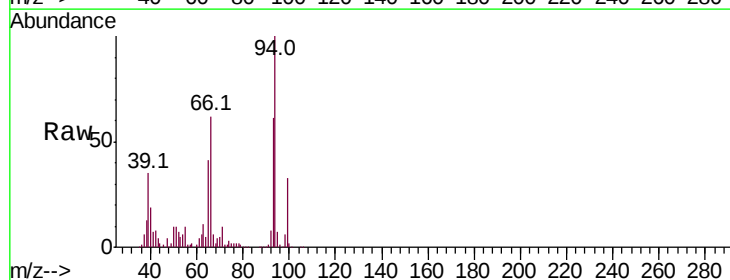
RT: 6.46 min Scan# 744

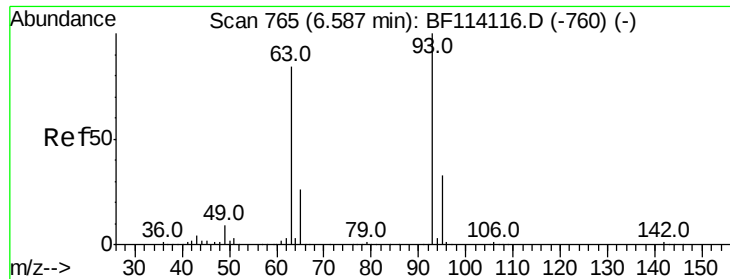
Delta R.T. -0.01 min

Lab File: BF114618.D

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Tgt Ion	94	Resp	500116
Ion	Ratio	Lower	Upper
94	100		
65	40.7	14.7	54.7
66	61.6	29.6	69.6





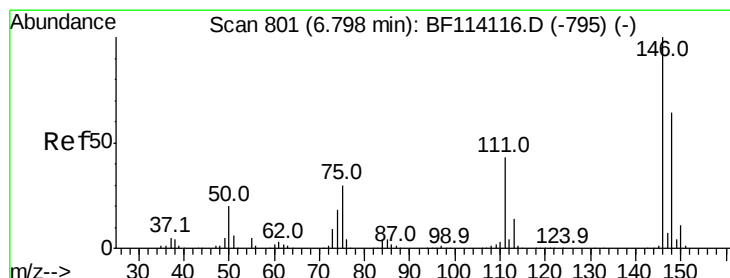
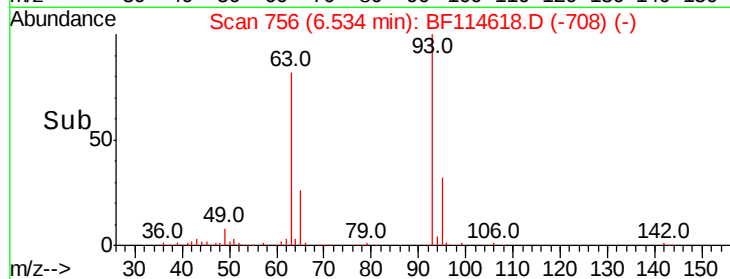
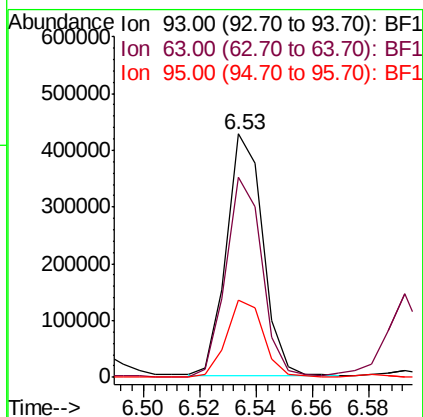
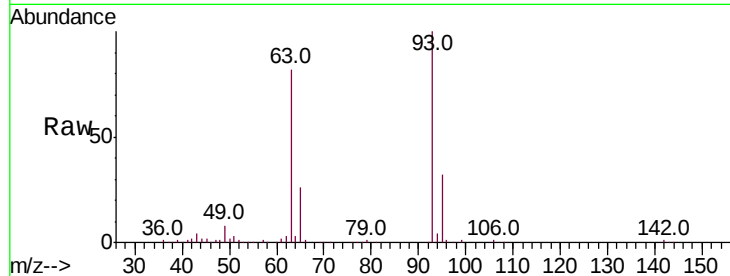
#11
bis(2-Chloroethyl)ether
Concen: 41.462 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	382617		
63	82.0		63.6	103.6
95	31.8		13.1	53.1

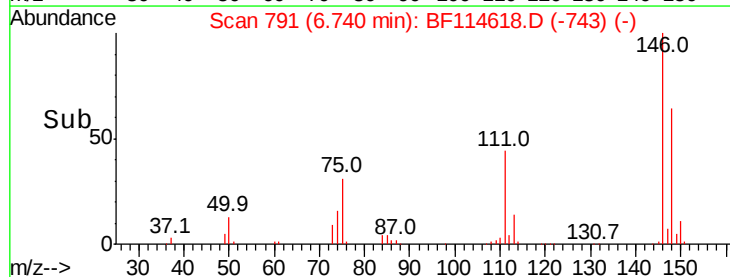
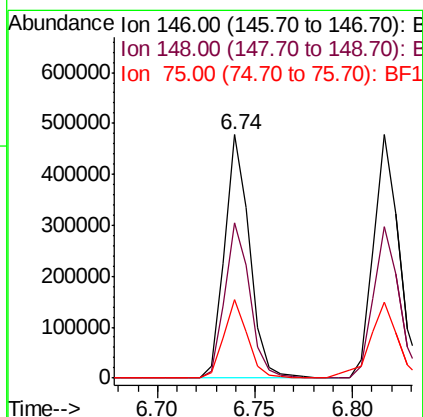
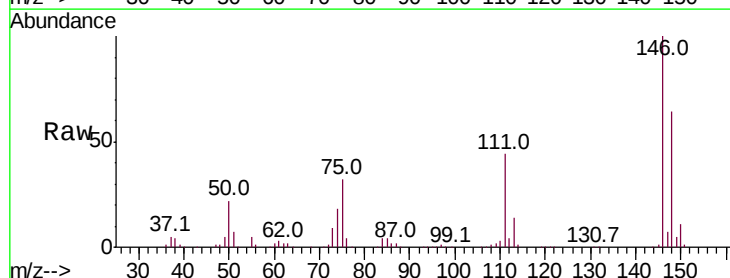
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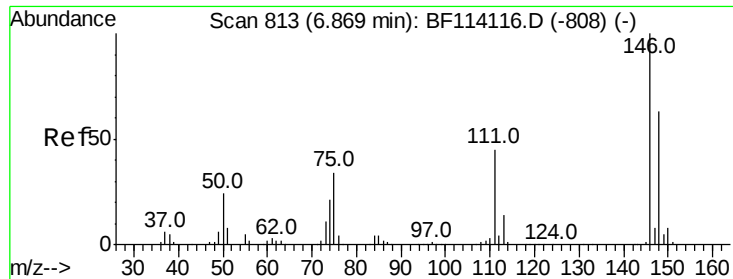
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#12
1,3-Dichlorobenzene
Concen: 40.478 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	423778		
148	63.6		51.6	77.4
75	32.1		24.2	36.2





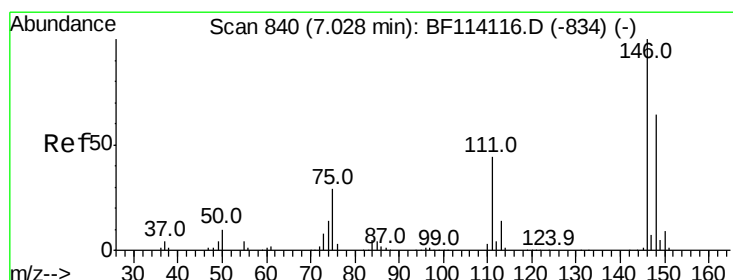
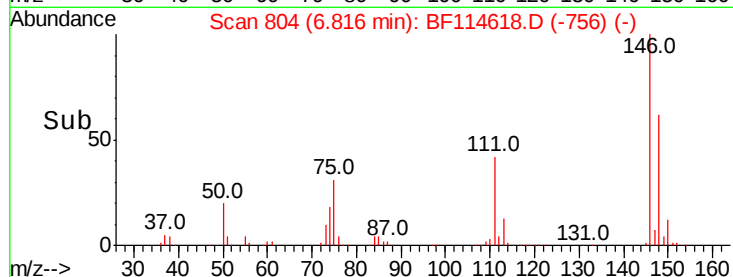
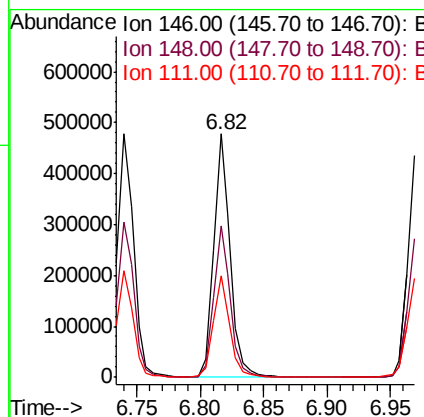
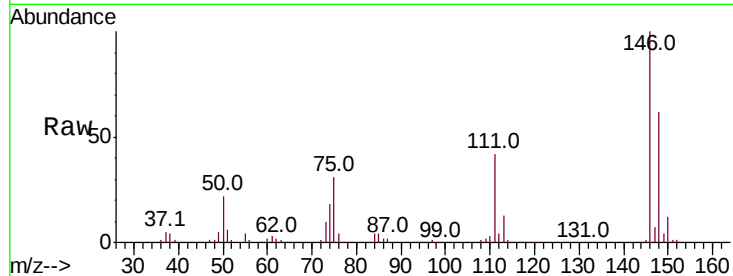
#13
 1,4-Dichlorobenzene
 Concen: 41.759 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.2	75.2
111	41.6	35.8	53.6

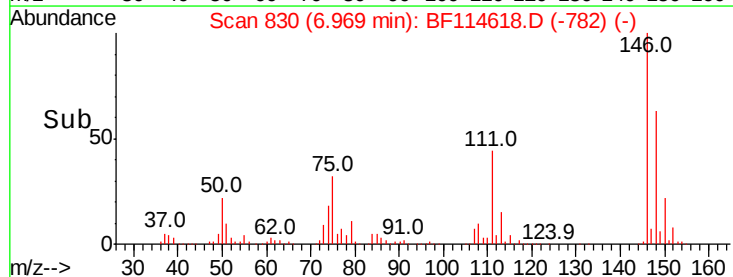
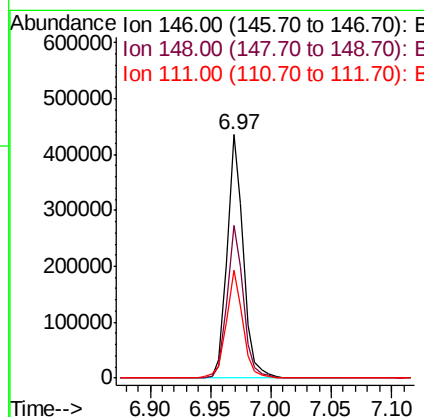
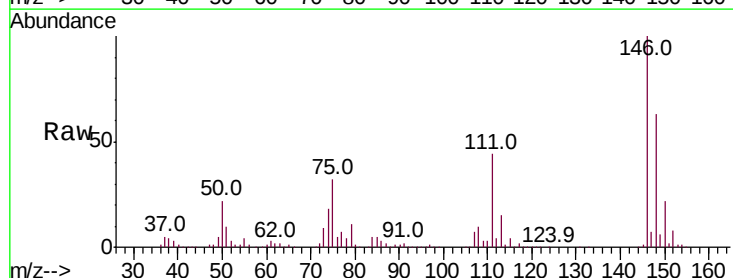
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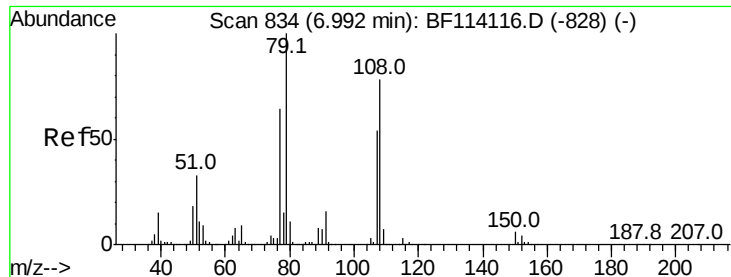
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#14
 1,2-Dichlorobenzene
 Concen: 41.621 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.1	76.7
111	44.4	35.3	52.9





#15

Benzyl Alcohol

Concen: 39.576 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

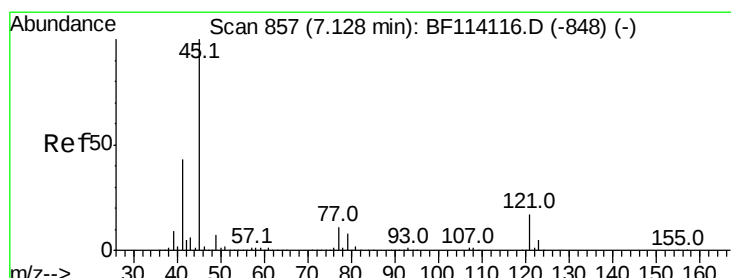
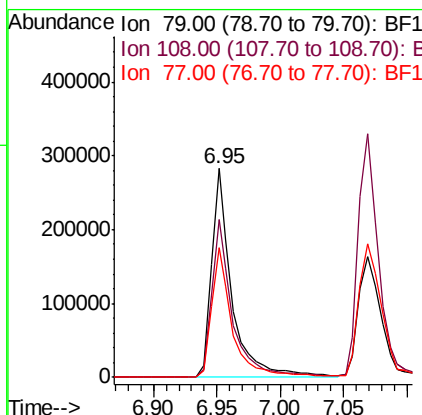
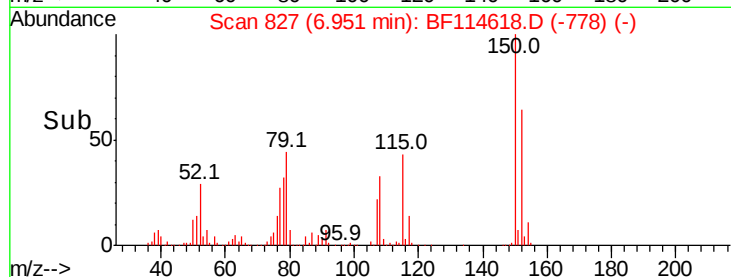
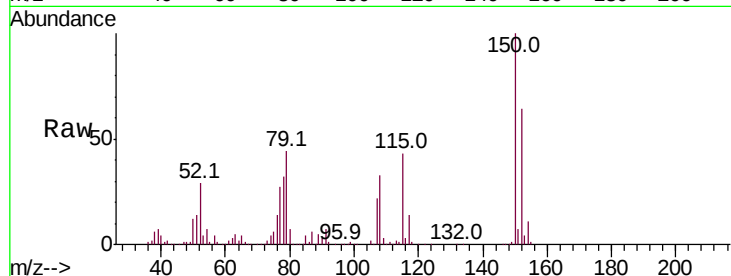
ClientSampleId :

PB119929BSD

Tot Ion:	79	Resp:	318950
Ion Ratio	Lower	Upper	
79	100		
108	75.7	62.1	93.1
77	62.4	51.0	76.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.196 ng

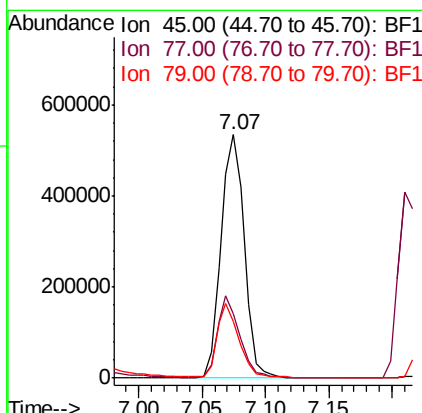
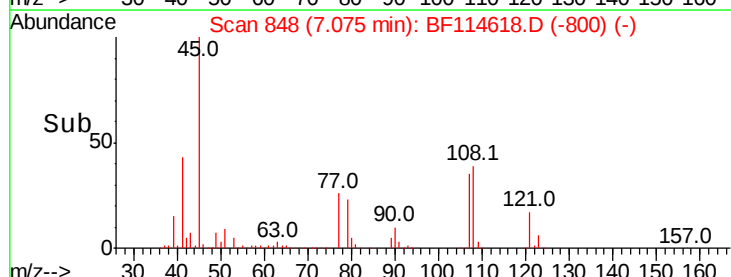
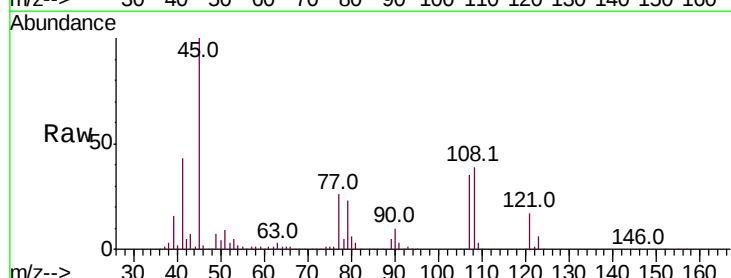
RT: 7.07 min Scan# 848

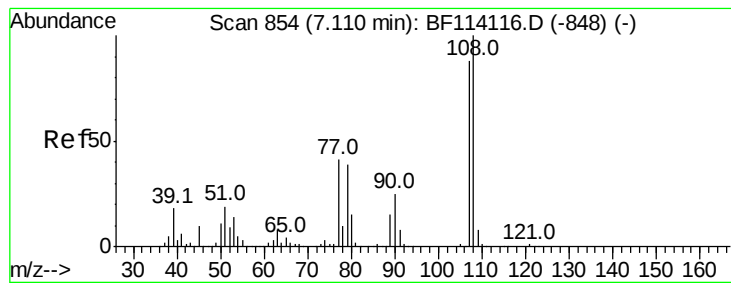
Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion:	45	Resp:	683451
Ion Ratio	Lower	Upper	
45	100		
77	26.4	0.0	31.1
79	23.3	0.0	28.4





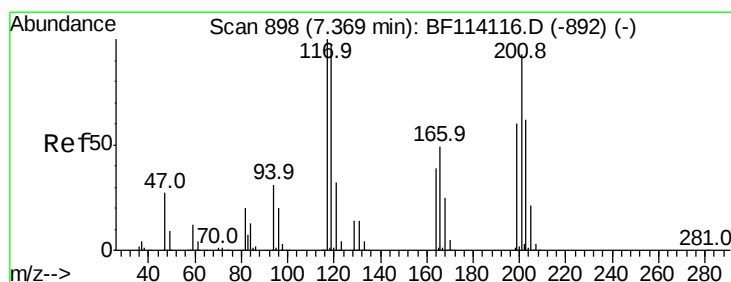
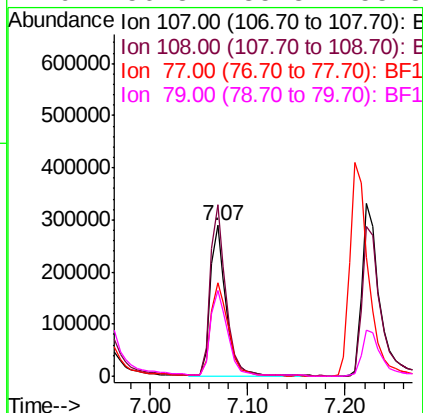
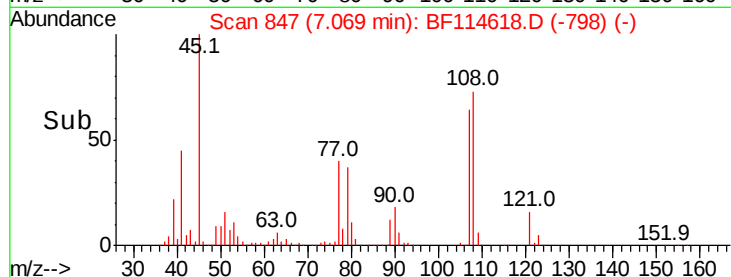
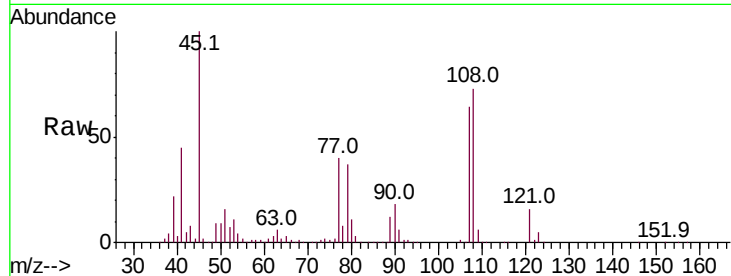
#17
2-Methylphenol
Concen: 41.869 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.1	90.5	135.7	
77	62.3	37.0	55.4	
79	56.8	35.8	53.8	

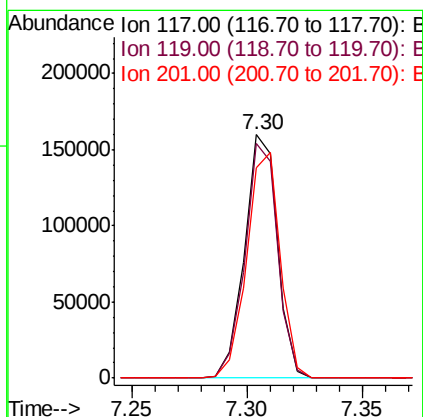
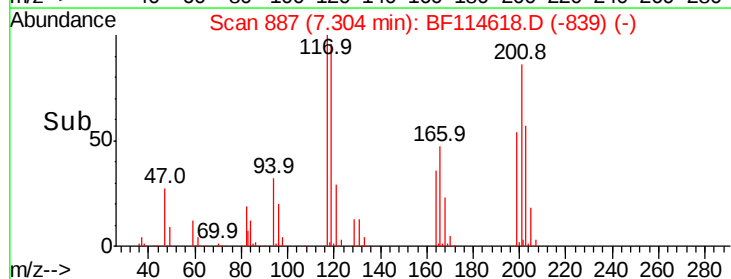
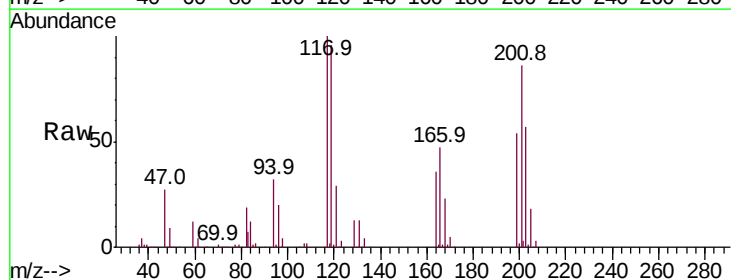
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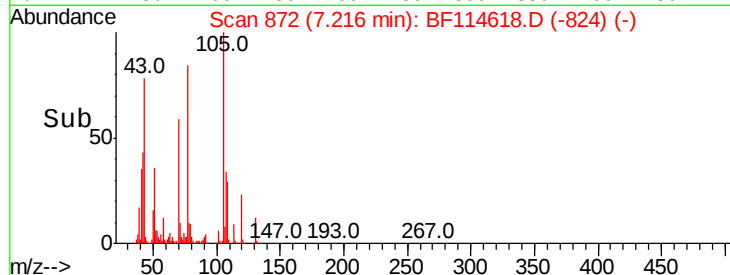
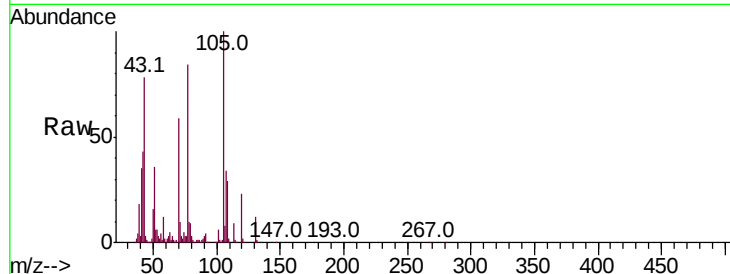
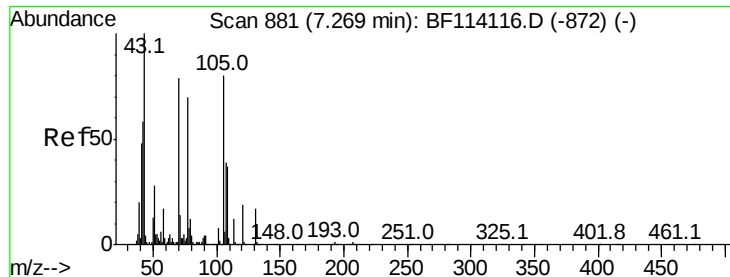
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#18
Hexachloroethane
Concen: 40.354 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	77.4	116.2	
201	86.2	74.5	111.7	





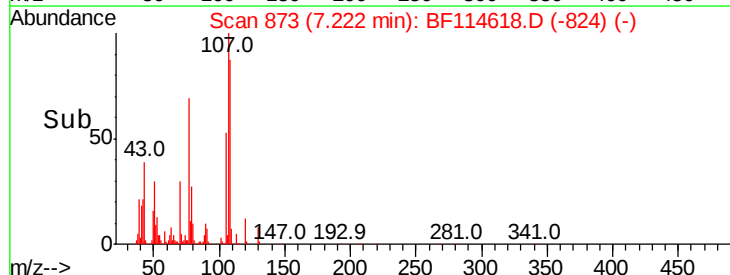
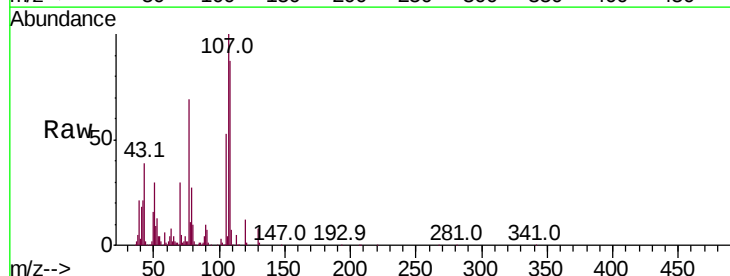
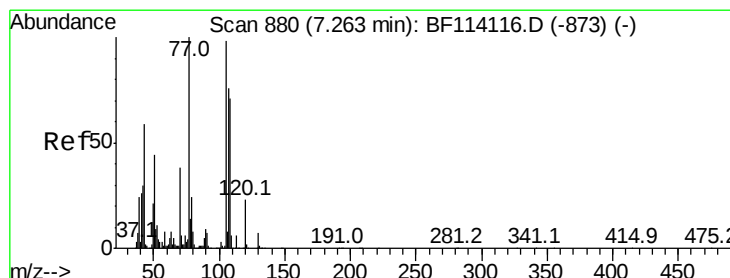
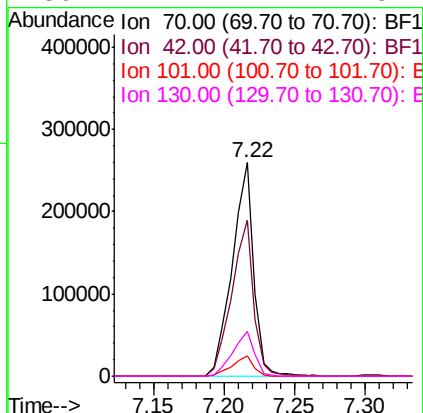
#19
n-Nitroso-di-n-propylamine
Concen: 41.864 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

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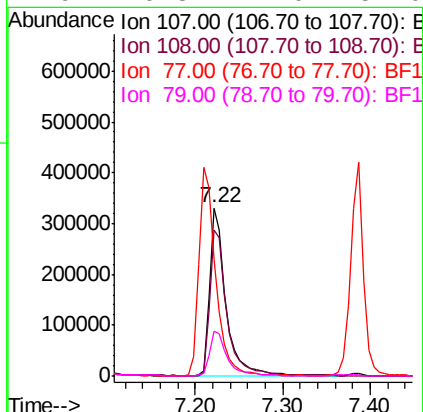
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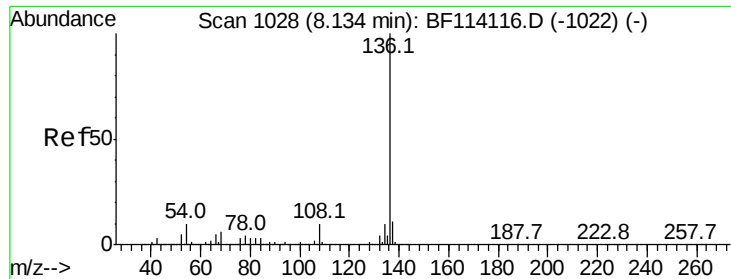
Tot Ion	Ratio	Lower	Upper
70	100		
42	73.0	58.6	87.8
101	9.7	7.8	11.8
130	21.2	17.1	25.7



#20
3+4-Methylphenols
Concen: 47.454 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.7	73.8	113.8
77	69.4	111.5	151.5#
79	26.8	12.0	52.0





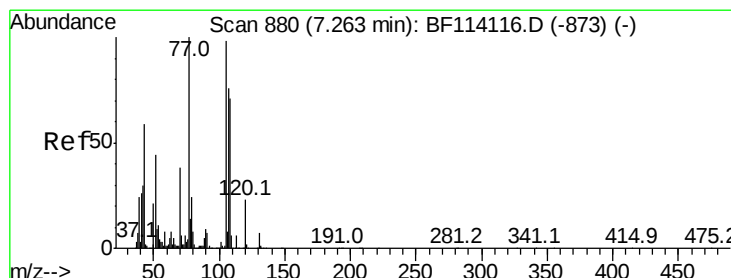
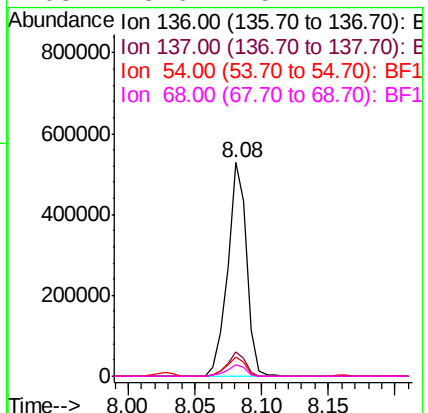
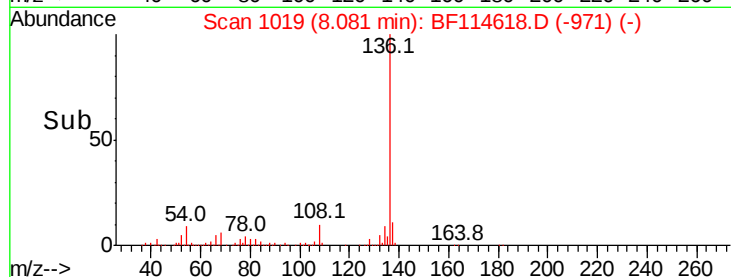
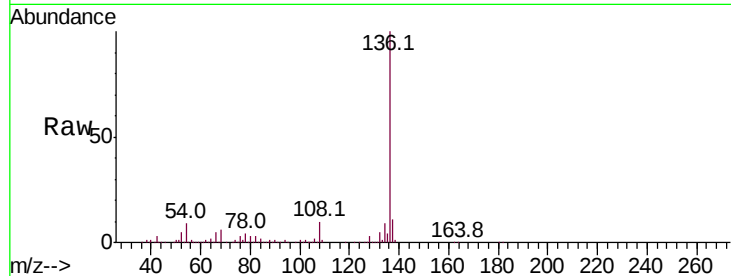
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.8	13.2	
54	9.1	7.8	11.8	
68	5.6	5.1	7.7	

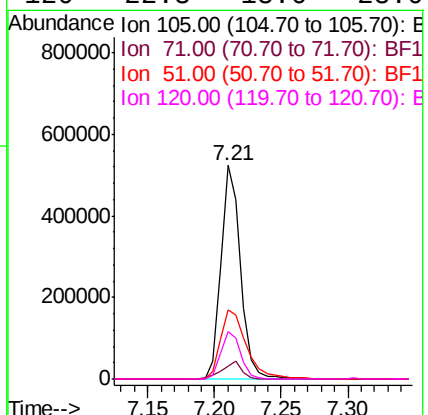
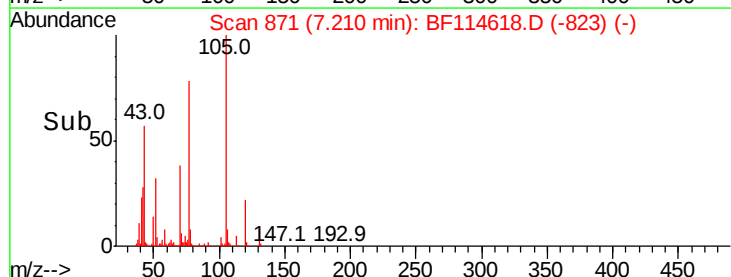
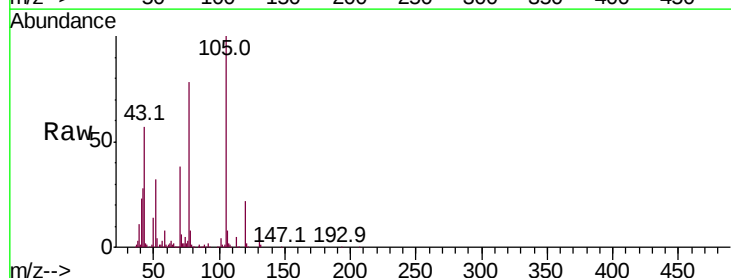
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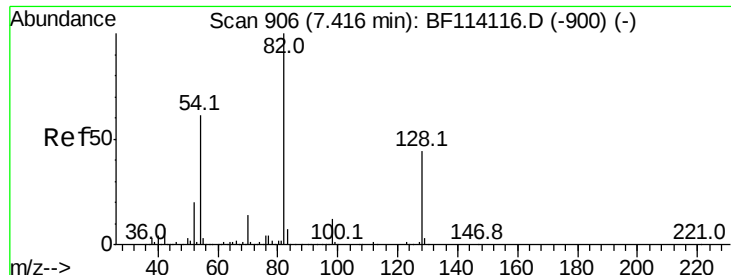
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#22
Acetophenone
Concen: 46.484 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.2	5.3	7.9	
51	32.4	36.2	54.4	
120	22.3	18.6	28.0	





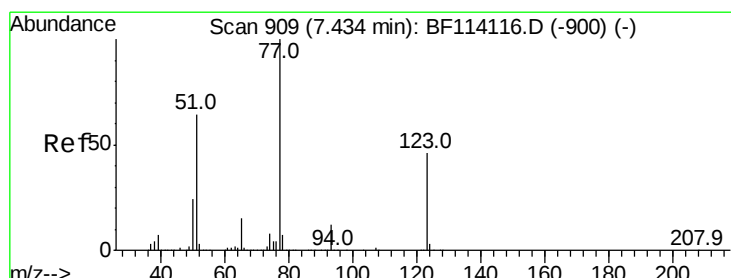
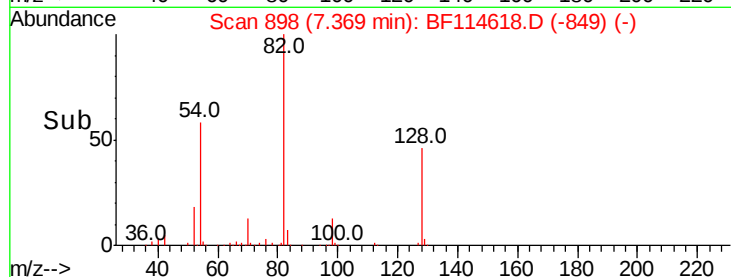
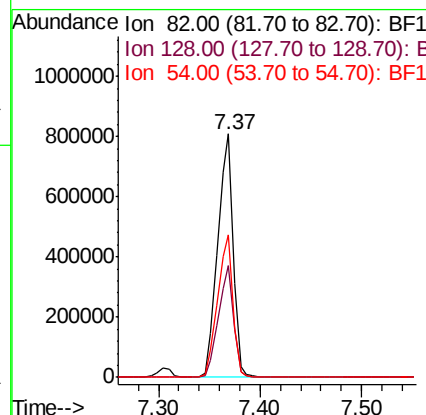
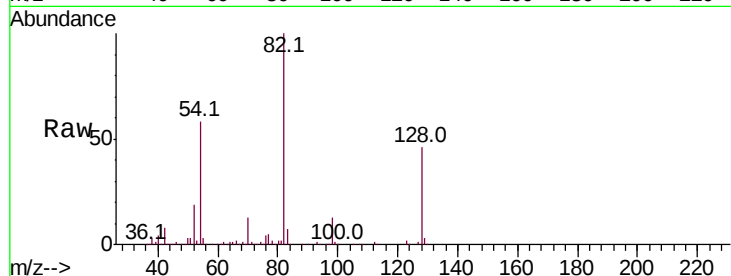
#23
 Nitrobenzene-d5
 Concen: 91.145 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	35.5	53.3	
54	58.3	48.5	72.7	

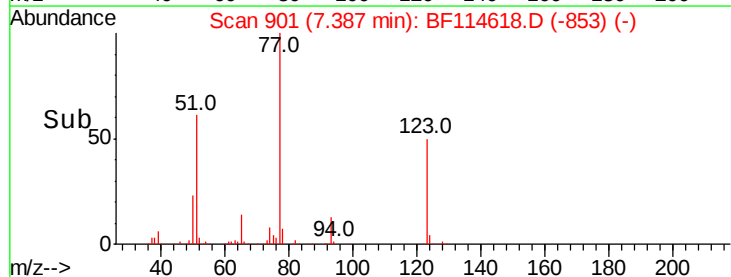
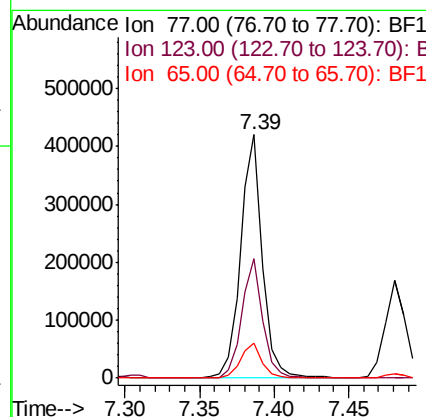
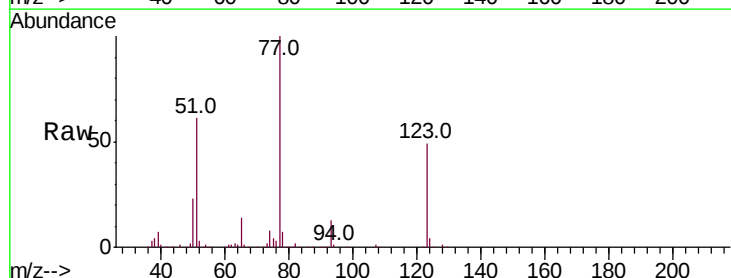
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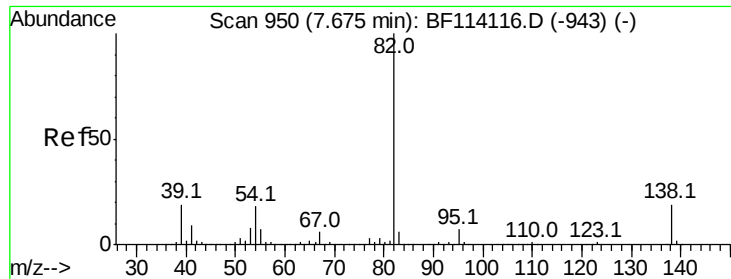
mohammad
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#24
 Nitrobenzene
 Concen: 44.094 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.2	36.9	55.3	
65	14.3	11.8	17.6	





#25

Isophorone

Concen: 43.178 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

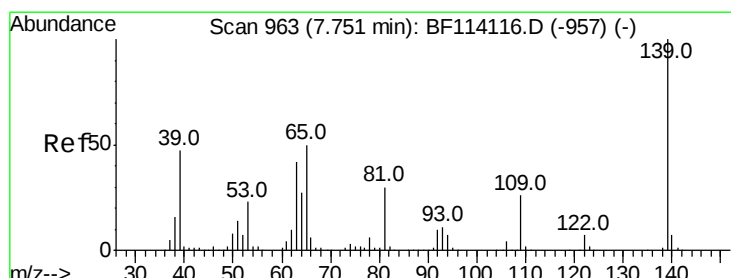
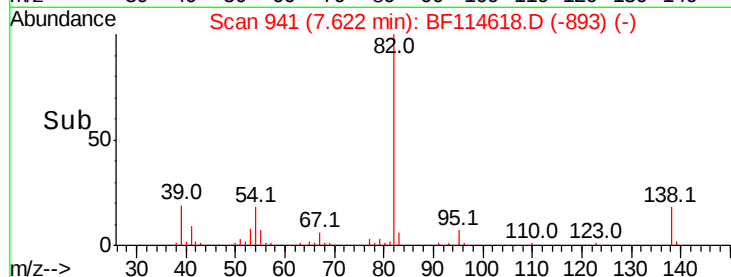
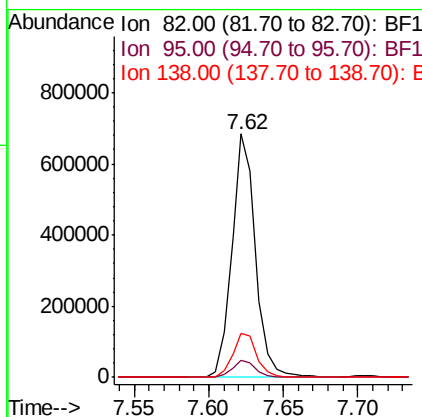
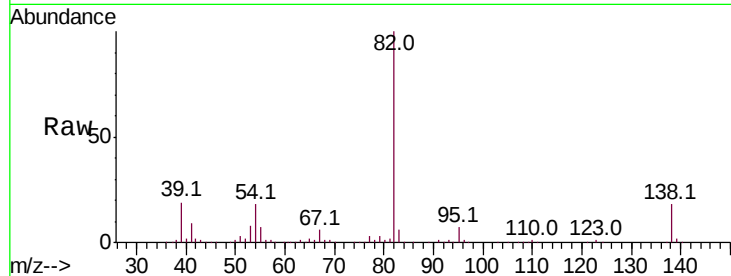
ClientSampleId :

PB119929BSD

Tot Ion:	82	Resp:	754718
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.6	8.4
138	17.9	14.8	22.2

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#26

2-Nitrophenol

Concen: 46.549 ng

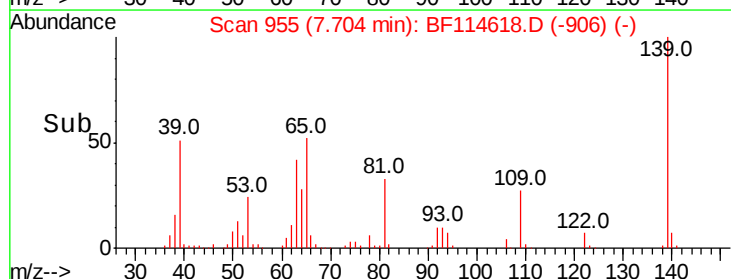
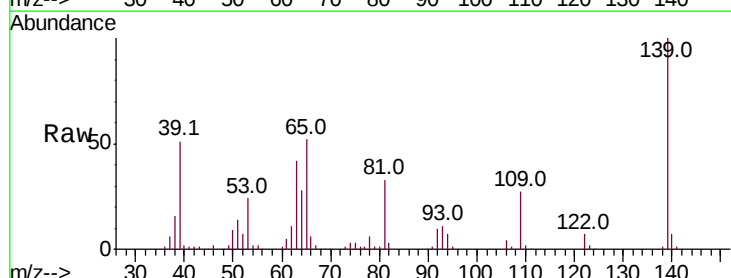
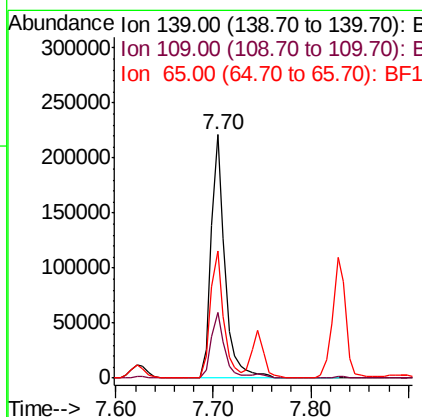
RT: 7.70 min Scan# 955

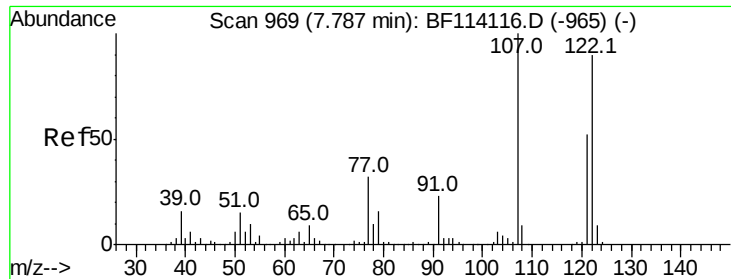
Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion:	139	Resp:	216788
Ion Ratio	Lower	Upper	
139	100		
109	26.8	20.7	31.1
65	52.4	40.2	60.2





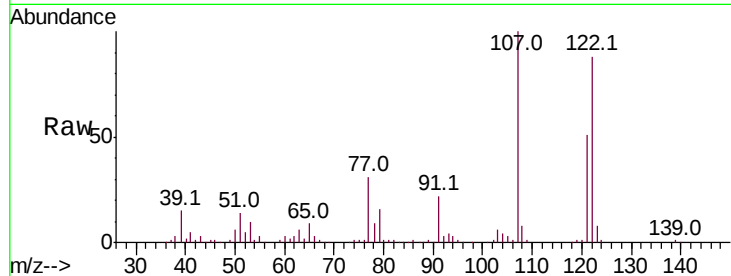
#27
2,4-Dimethylphenol
Concen: 48.004 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

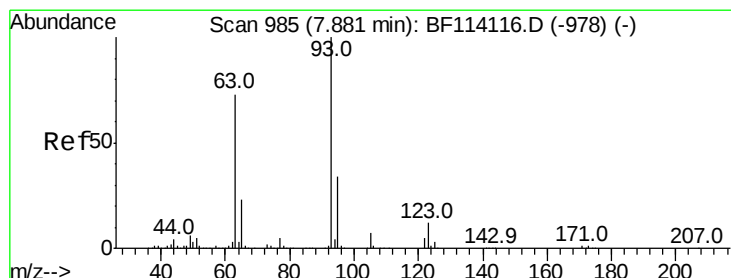
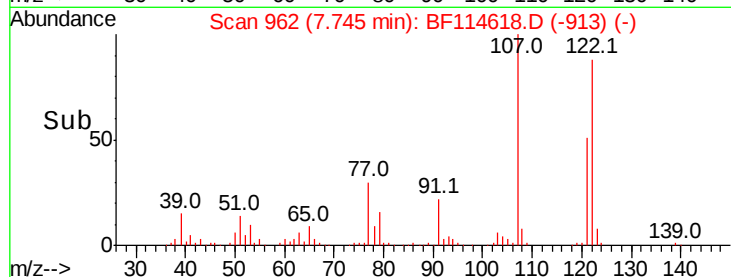
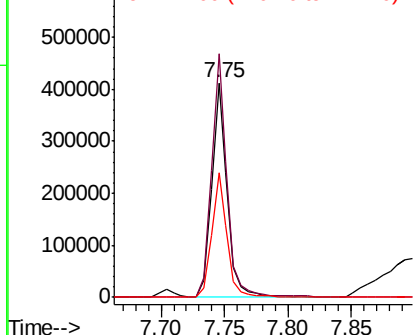
Tot Ion	Ratio	Lower	Upper
122	100		
107	113.5	88.4	132.6
121	58.2	45.9	68.9

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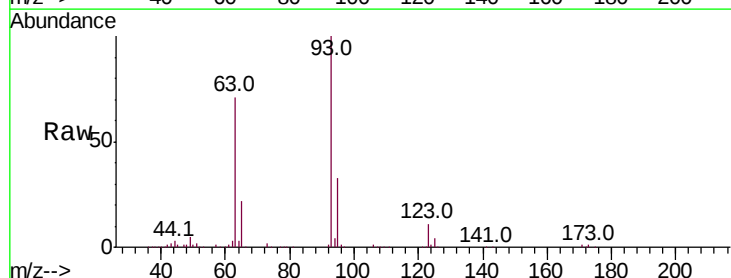


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

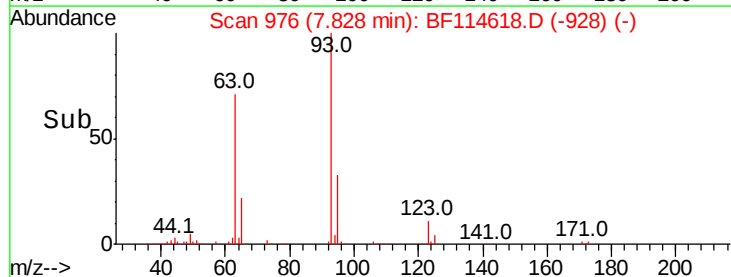
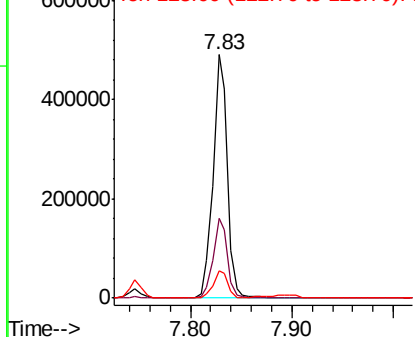


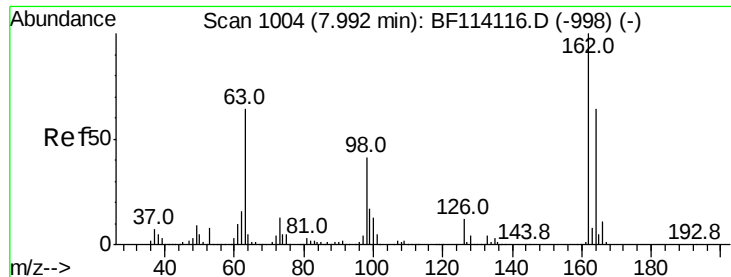
#28
bis(2-Chloroethoxy)methane
Concen: 42.439 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.8	40.2
123	11.1	9.5	14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





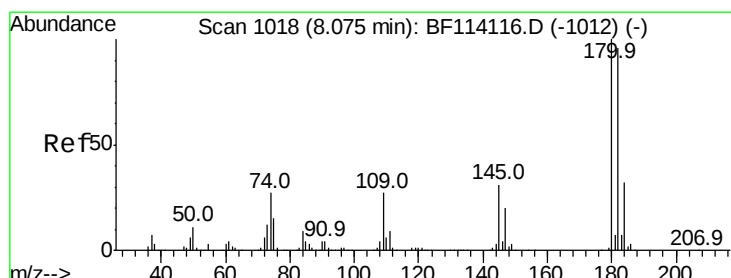
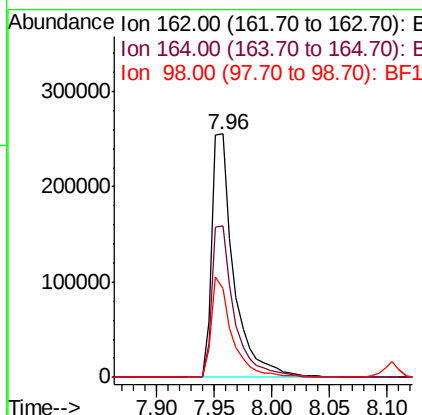
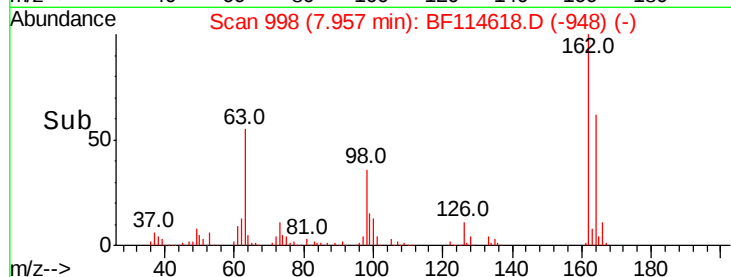
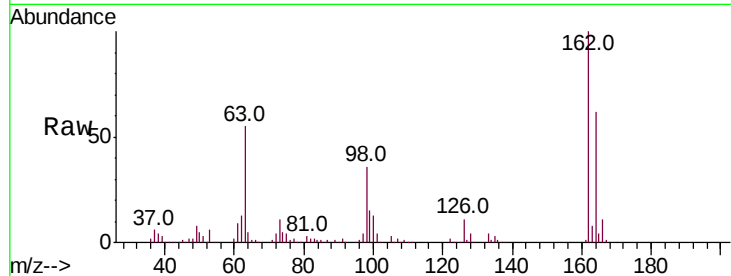
#29
 2,4-Dichlorophenol
 Concen: 46.232 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	336734		
164	62.3	43.6	83.6	
98	36.4	20.6	60.6	

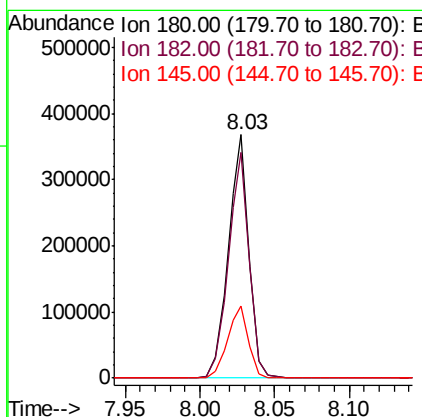
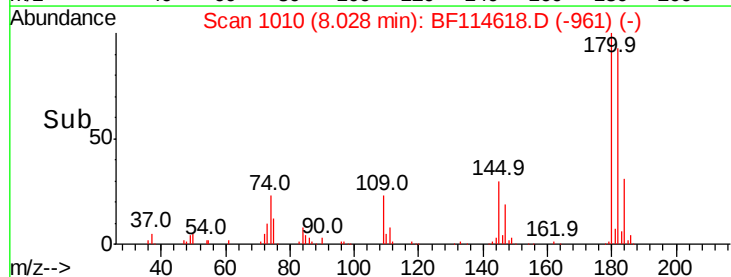
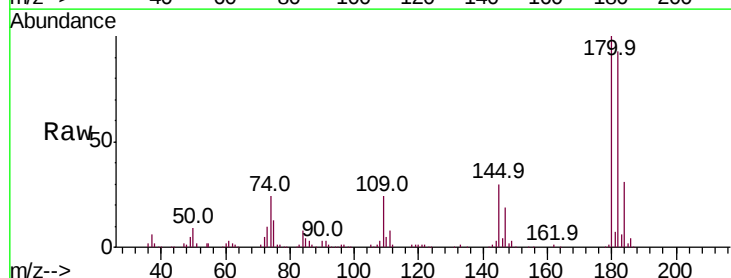
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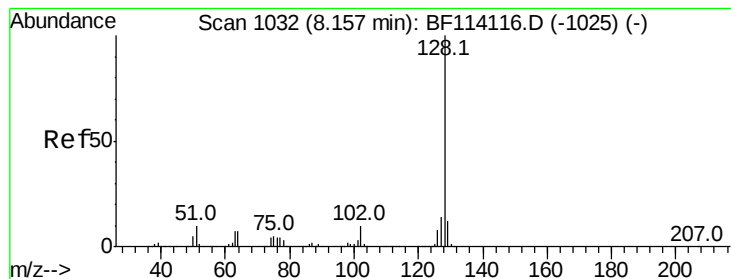
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#30
 1,2,4-Trichlorobenzene
 Concen: 43.131 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	357225		
182	92.8	76.6	114.8	
145	29.8	25.1	37.7	





#31

Naphthalene

Concen: 46.247 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

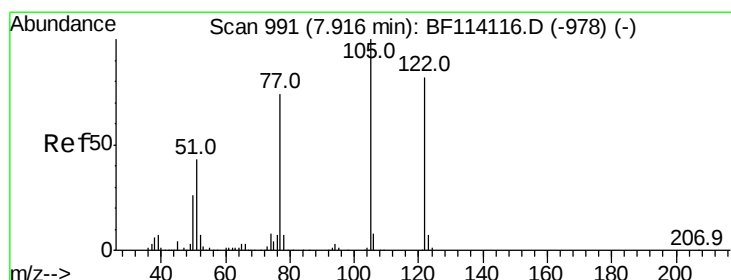
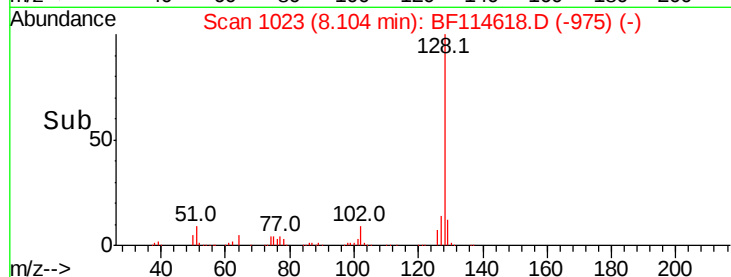
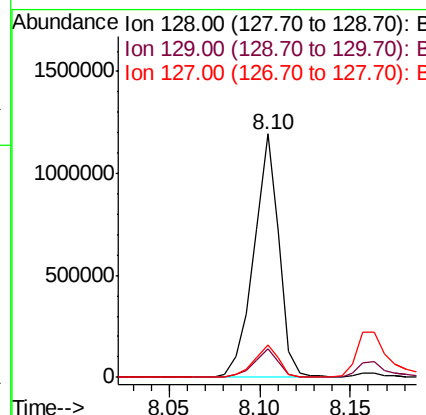
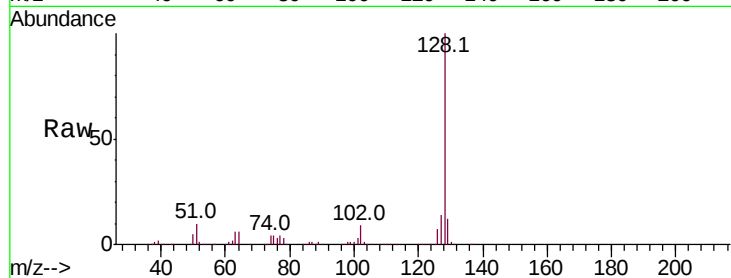
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.5	11.3	16.9

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#32

Benzoic acid

Concen: 37.767 ng m

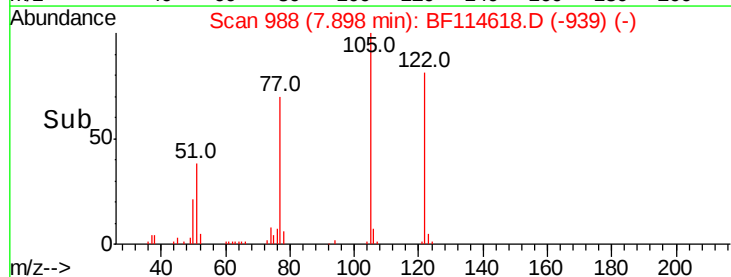
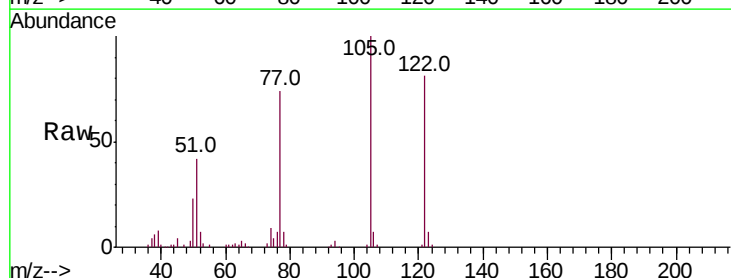
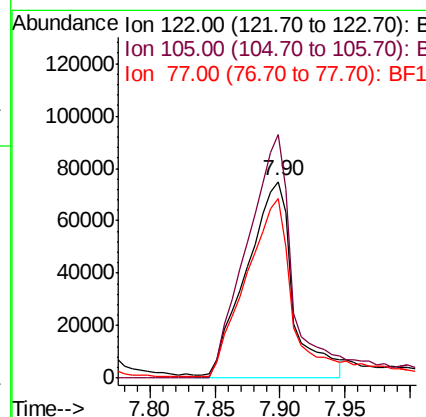
RT: 7.90 min Scan# 988

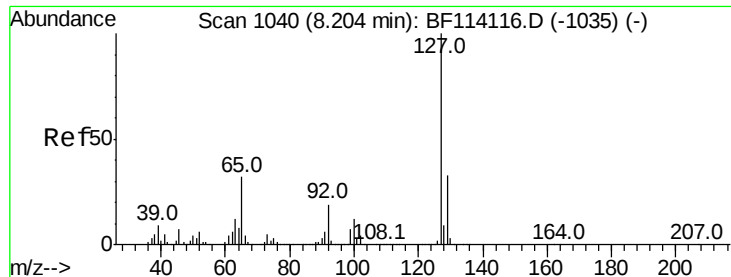
Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.7	99.9	139.9
77	91.5	69.4	109.4





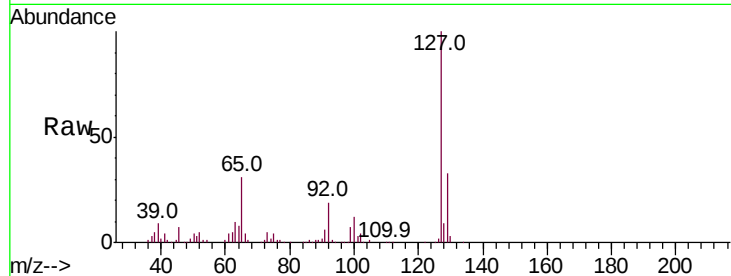
#33
4-Chloroaniline
Concen: 26.288 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

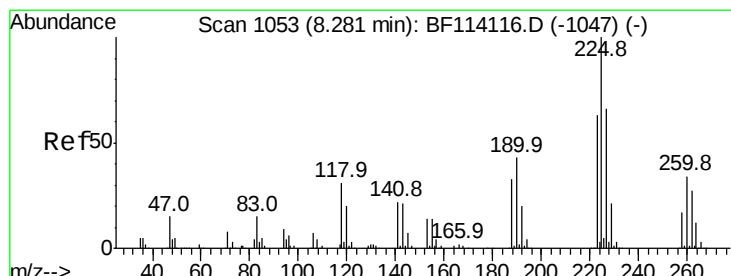
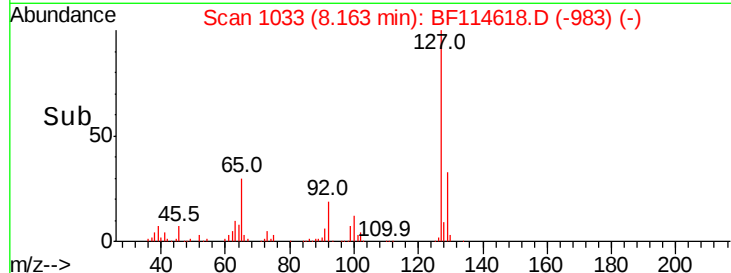
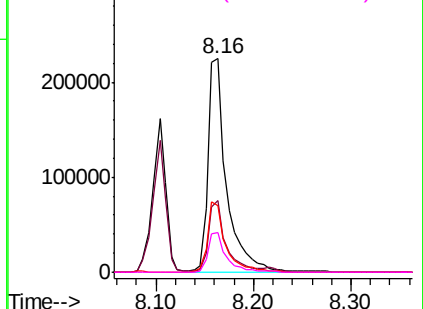
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.3	26.7	40.1	
65	31.0	25.4	38.0	
92	18.7	15.4	23.2	

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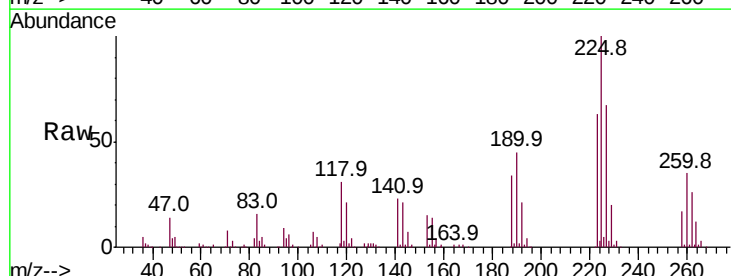


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

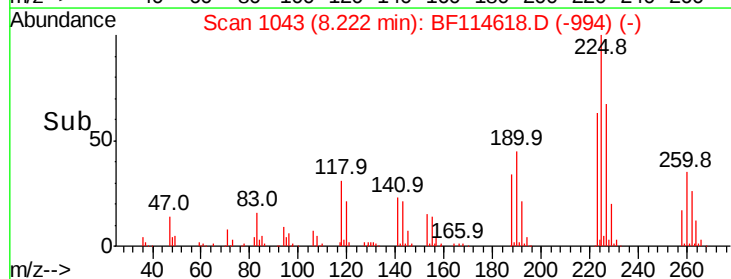
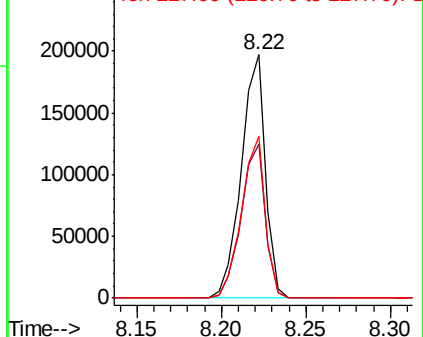


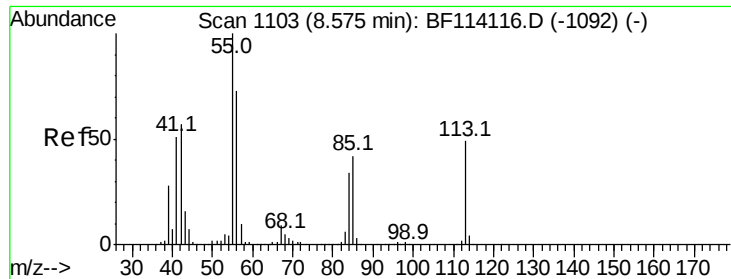
#34
Hexachlorobutadiene
Concen: 41.731 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	50.2	75.2	
227	66.5	52.6	79.0	



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





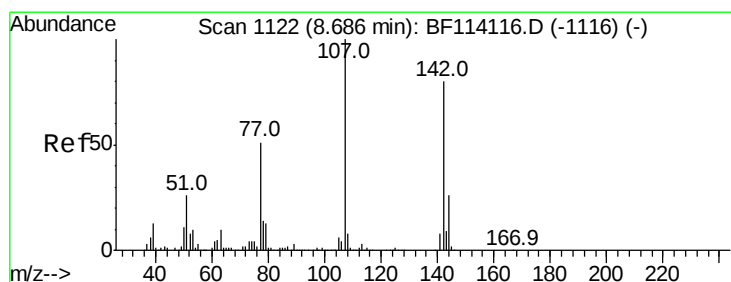
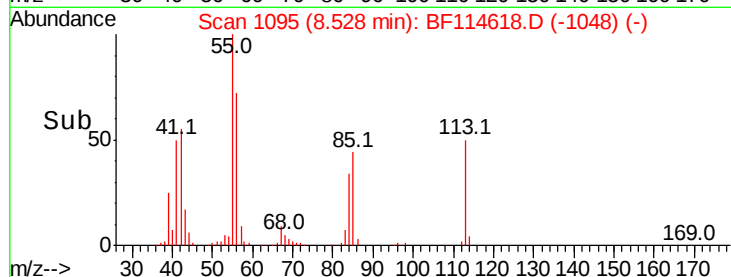
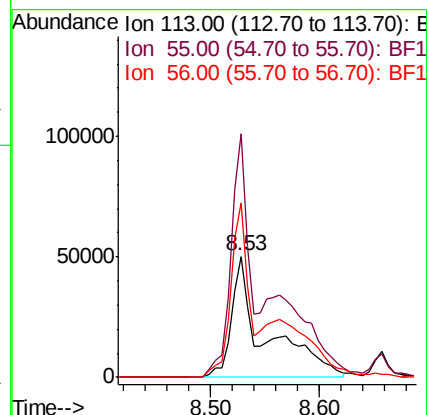
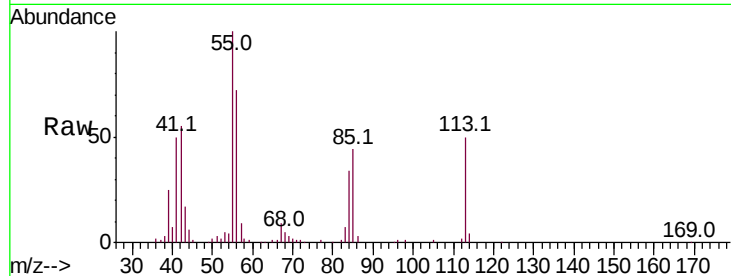
#35
Caprolactam
Concen: 45.276 ng/ml
RT: 8.53 min Scan# 1095
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	201.1	183.5	223.5
56	144.1	128.8	168.8

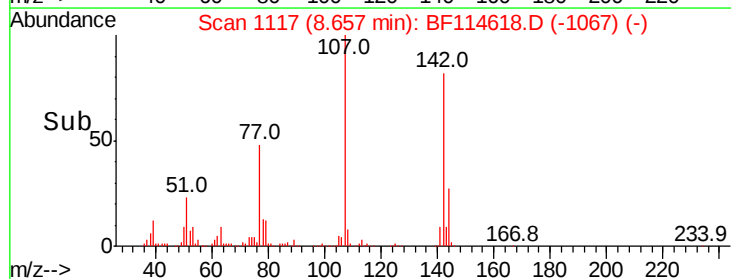
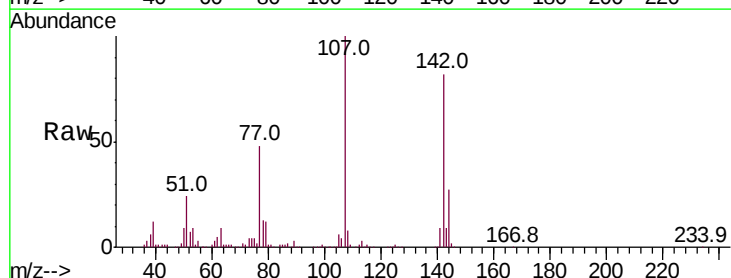
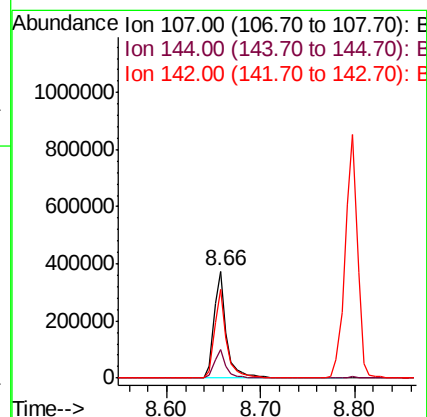
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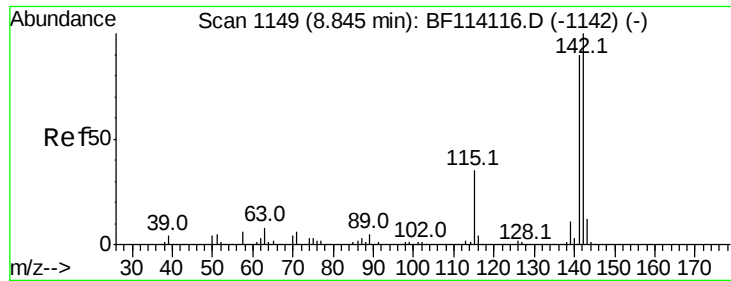
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#36
4-Chloro-3-methylphenol
Concen: 47.489 ng/ml
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.4	30.6
142	82.3	64.2	96.4





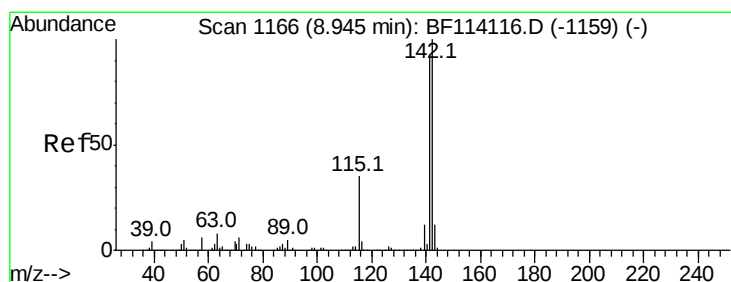
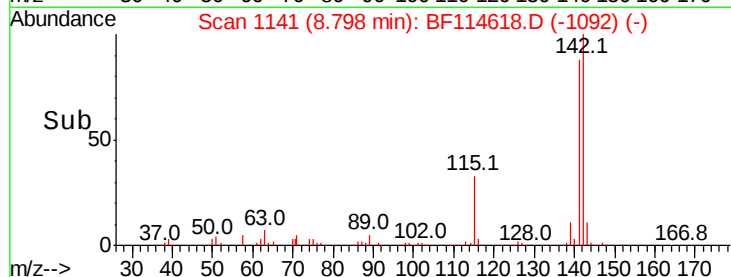
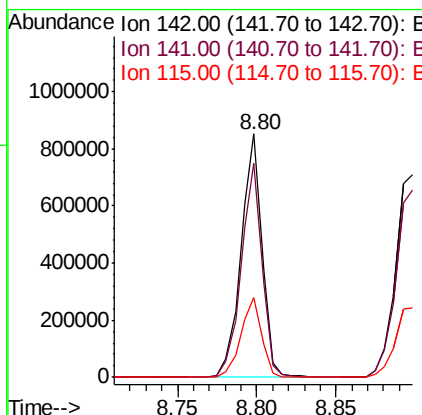
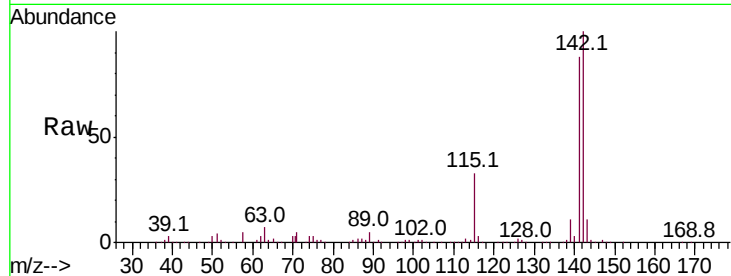
#37
2-Methylnaphthalene
Concen: 48.569 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	72.1	108.1
115	32.7	28.0	42.0

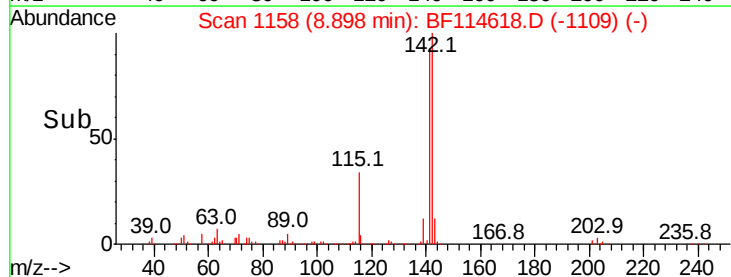
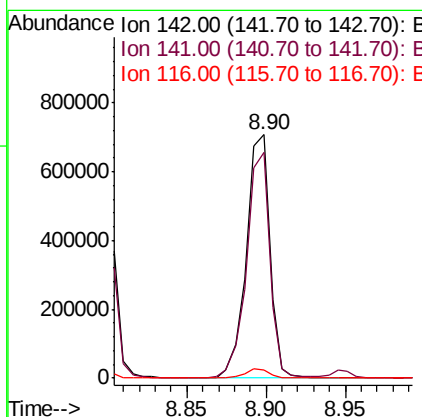
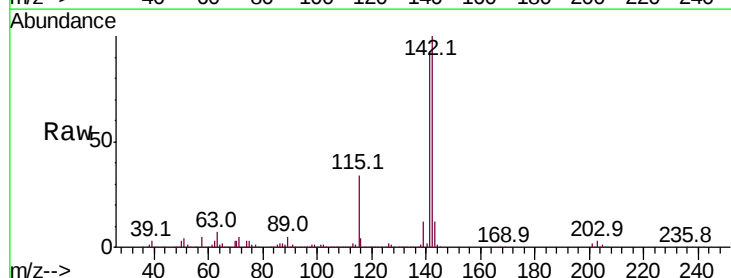
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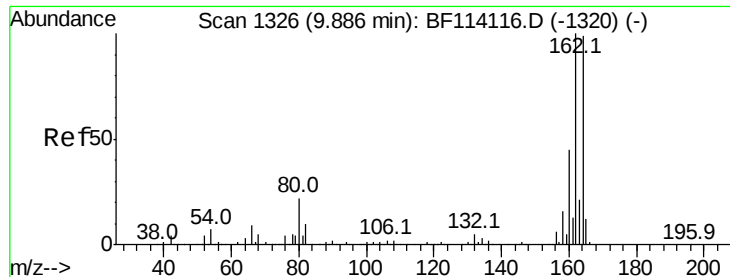
mohammad
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#38
1-Methylnaphthalene
Concen: 48.354 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.4	110.0
116	3.5	3.1	4.7





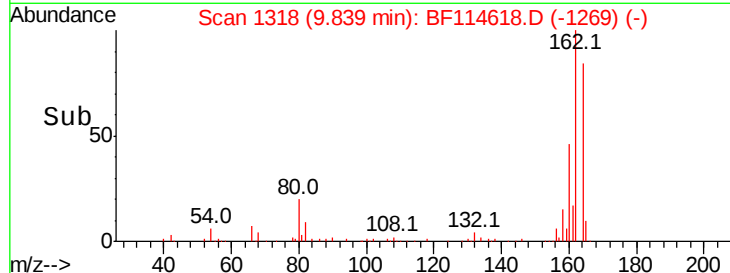
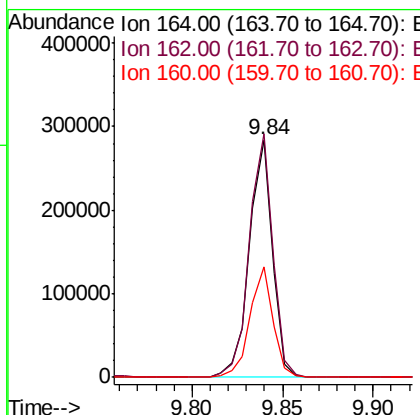
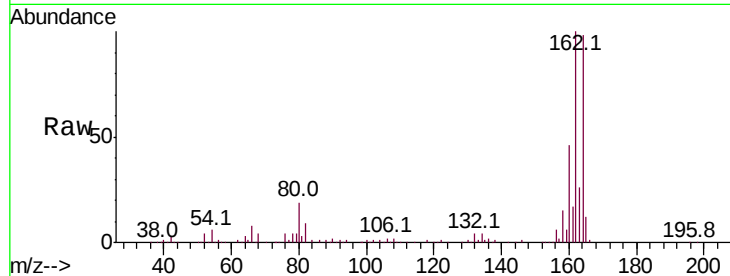
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	46.7	36.5	54.7

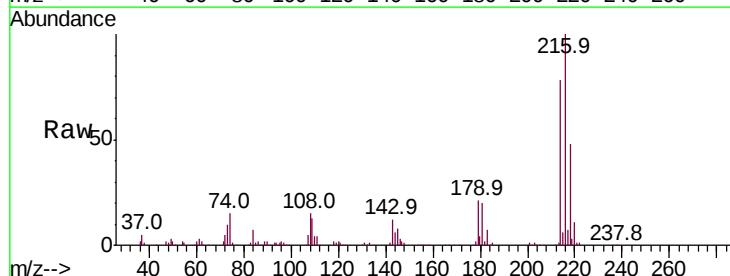
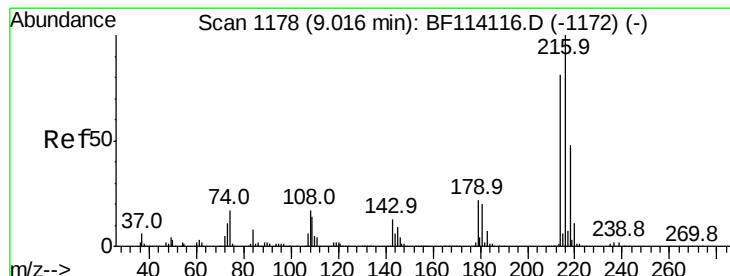
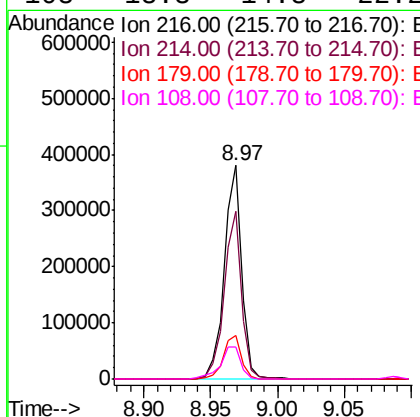
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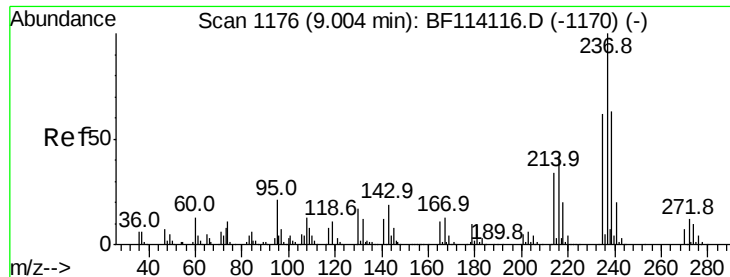
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.073 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.9	95.9
179	21.2	17.0	25.6
108	18.3	14.8	22.2





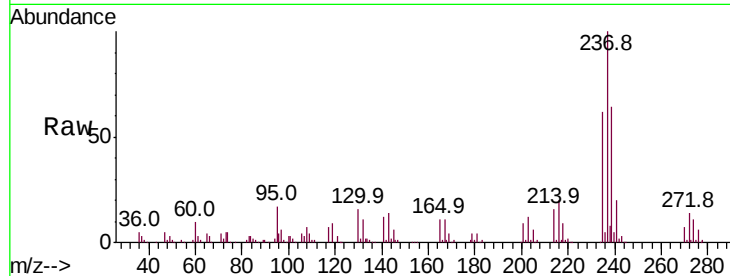
#41
Hexachlorocyclopentadiene
Concen: 44.393 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

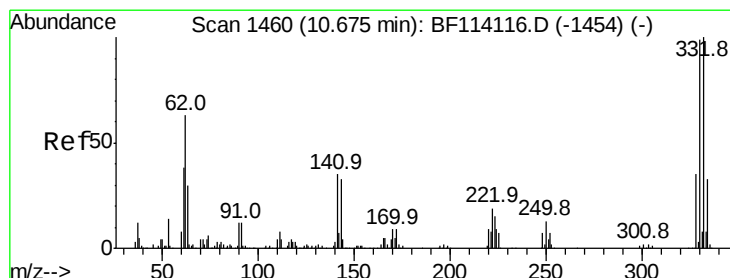
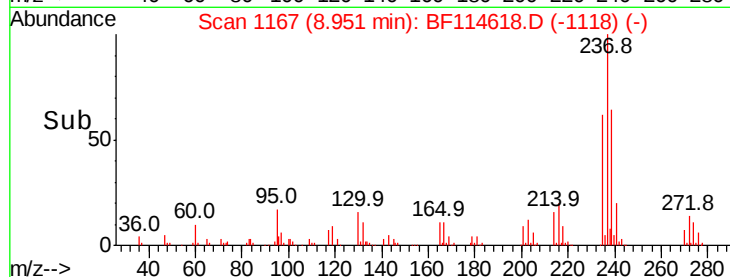
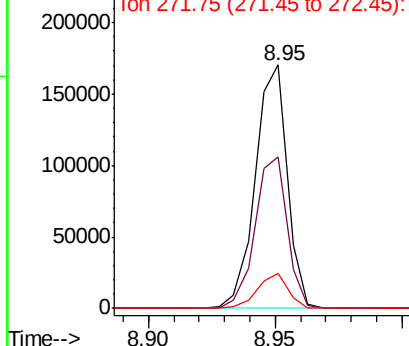
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.4	42.0	82.0
272	14.2	0.0	32.4

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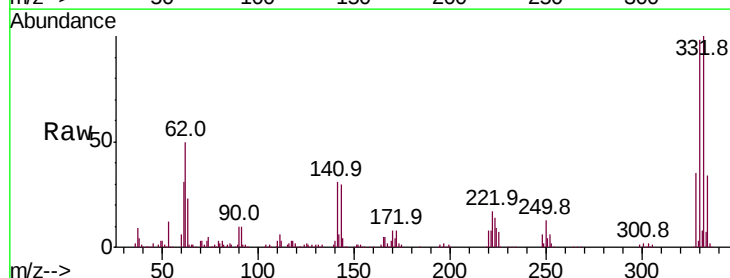


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

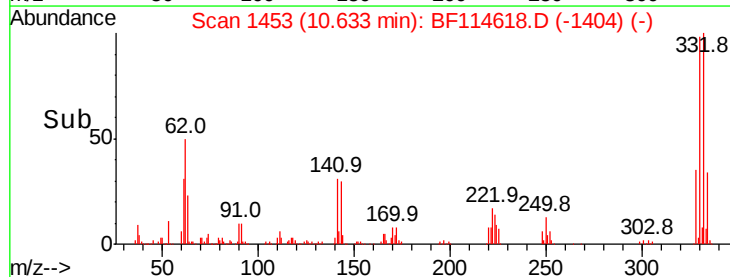
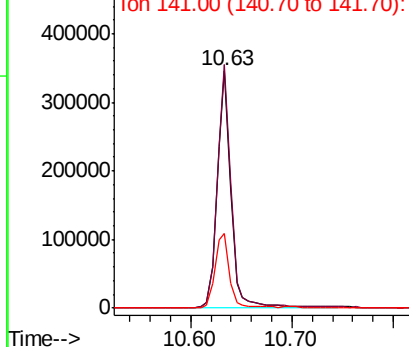


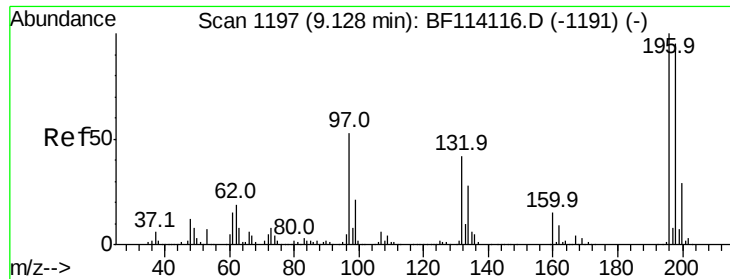
#42
2,4,6-Tribromophenol
Concen: 127.042 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	104.2	81.4	122.2
141	33.4	26.6	40.0



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





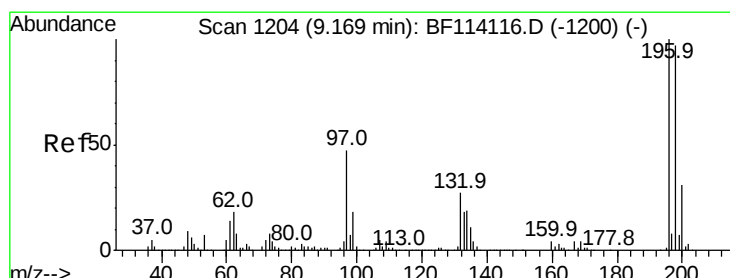
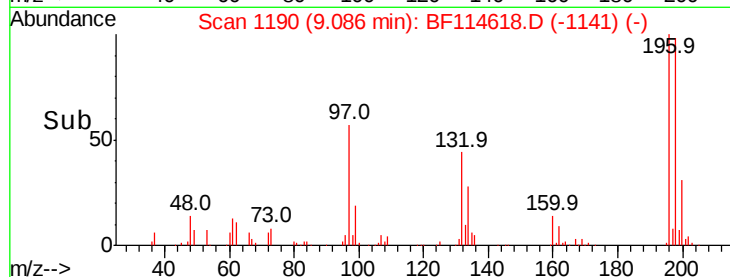
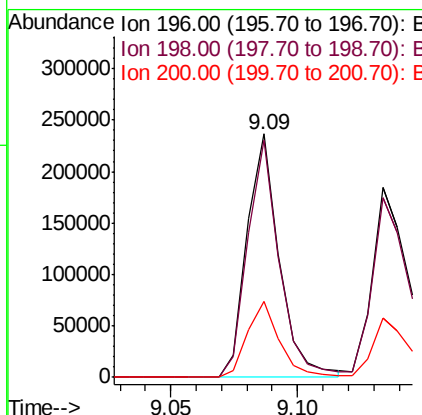
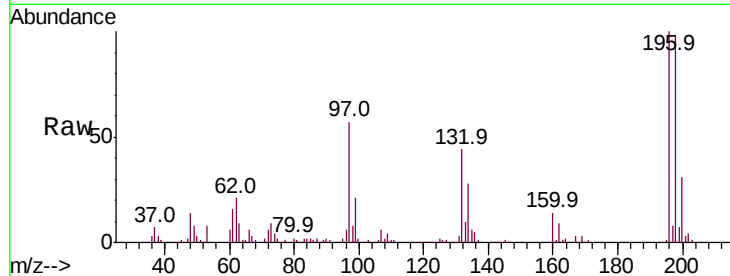
#43
 2,4,6-Trichlorophenol
 Concen: 40.161 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	210519		
198	97.6	75.9	113.9	
200	31.2	23.5	35.3	

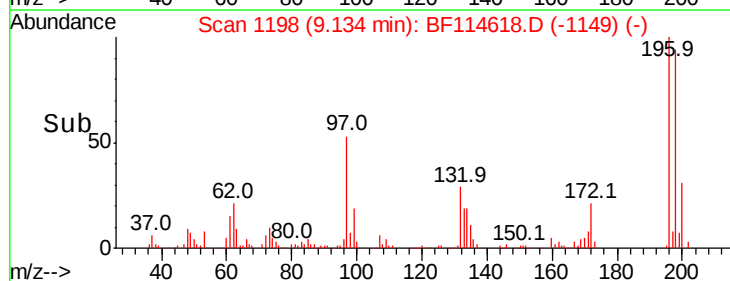
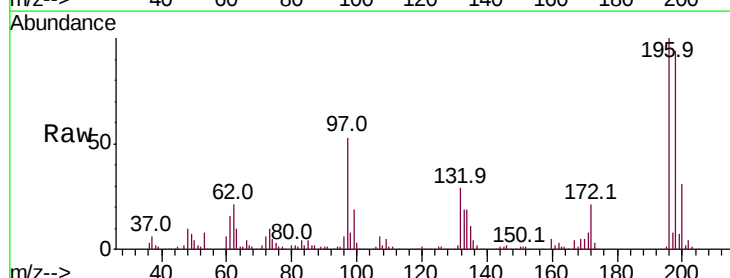
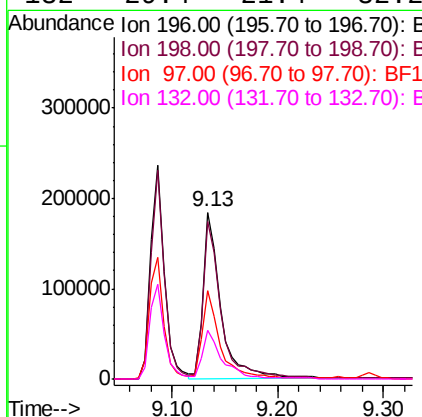
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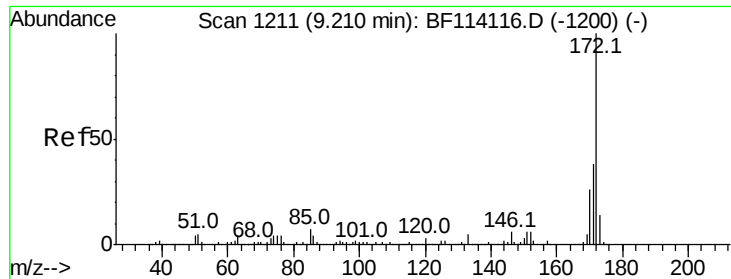
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 40.135 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	215754		
198	94.4	77.7	116.5	
97	52.9	38.2	57.2	
132	29.4	21.4	32.2	





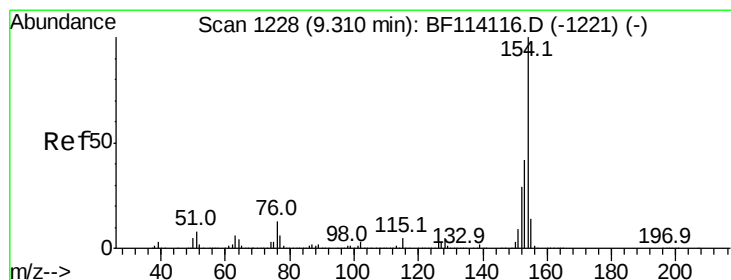
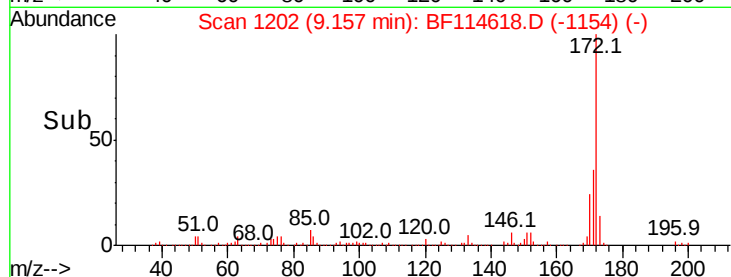
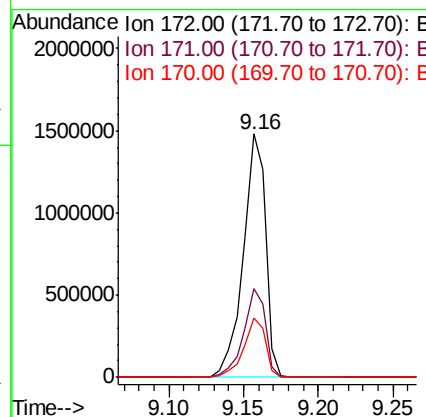
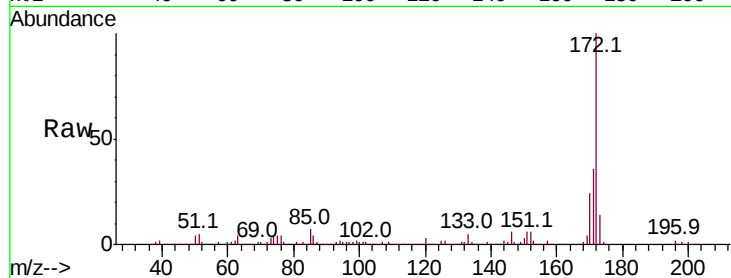
#45
2-Fluorobiphenyl
Concen: 92.720 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.7	46.1
170	24.3	20.5	30.7

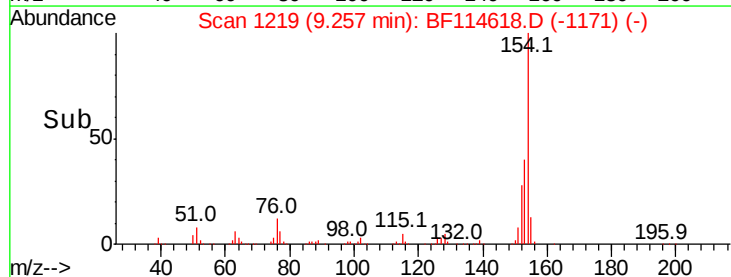
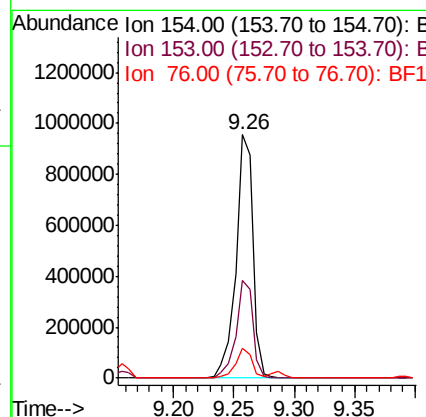
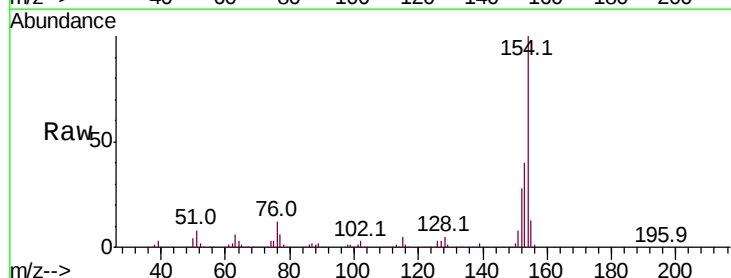
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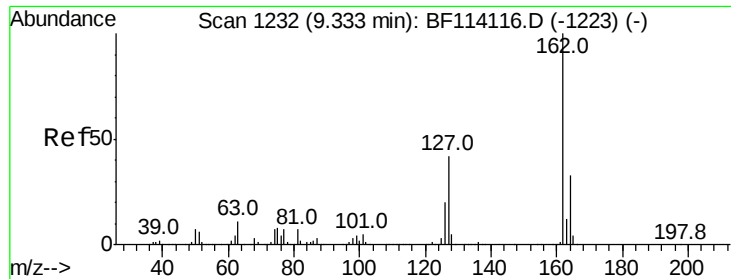
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#46
1,1'-Biphenyl
Concen: 46.130 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	21.9	61.9
76	12.5	0.0	32.8





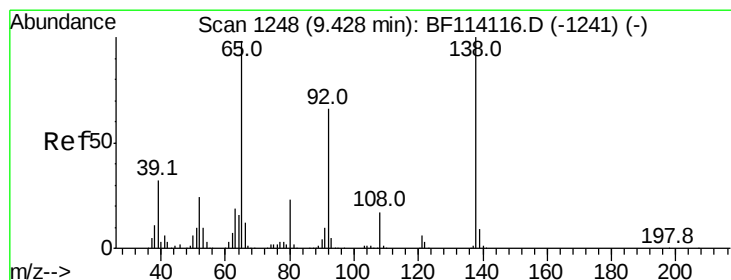
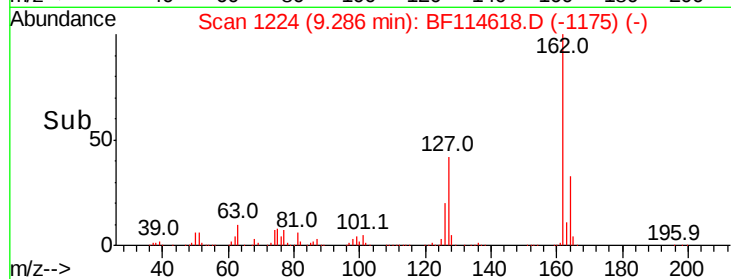
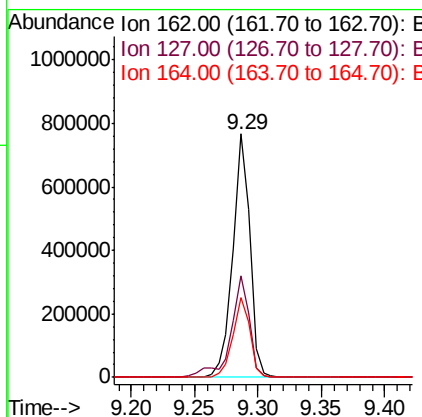
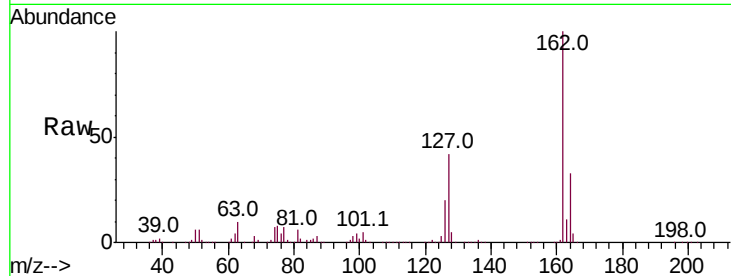
#47
 2-Chloronaphthalene
 Concen: 43.230 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	707103		
127	41.8		34.0	51.0
164	33.0		26.7	40.1

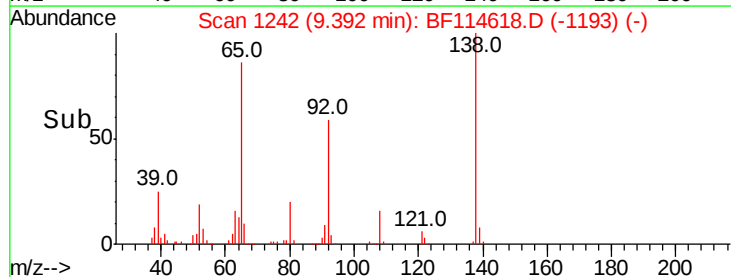
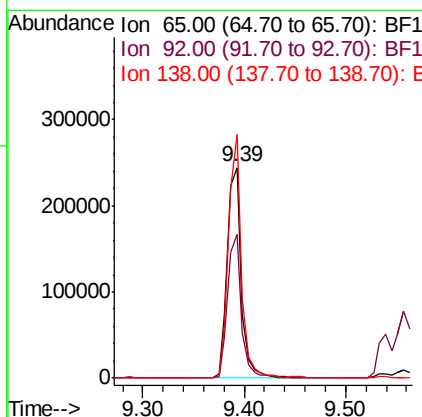
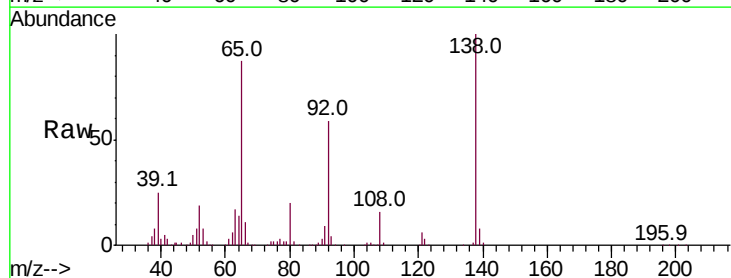
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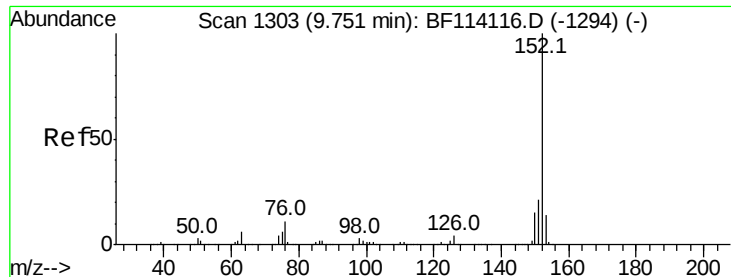
mohammad
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#48
 2-Nitroaniline
 Concen: 40.724 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	236237		
92	68.0		53.9	80.9
138	115.5		81.4	122.0





#49

Acenaphthylene

Concen: 45.040 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

ClientSampleId :

PB119929BSD

Tot Ion:152 Resp: 1120483

Ion Ratio Lower Upper

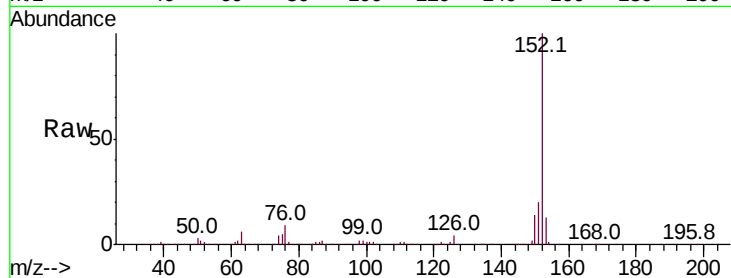
152 100

151 20.1 16.8 25.2

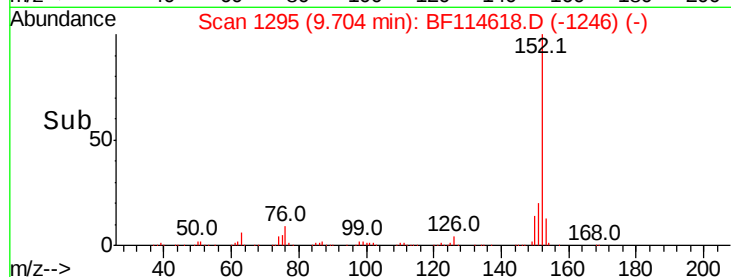
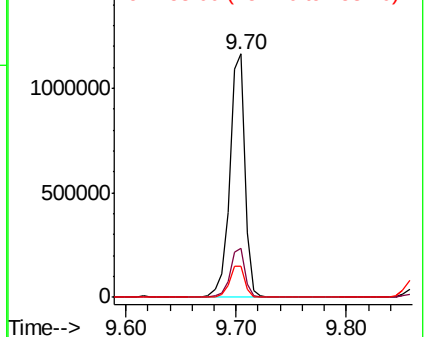
153 13.0 11.4 17.2

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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: 42.401 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion:163 Resp: 783070

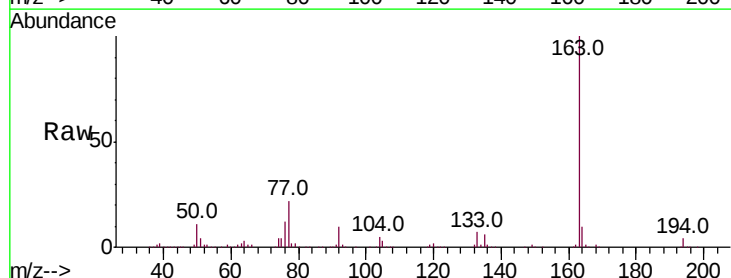
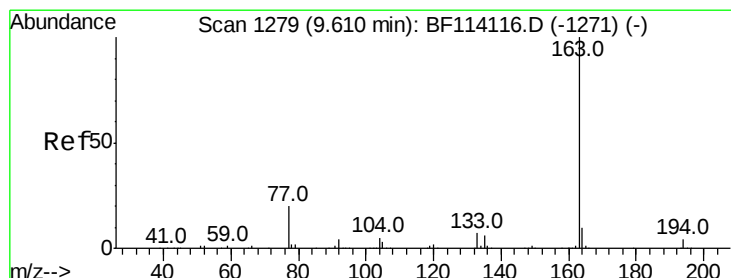
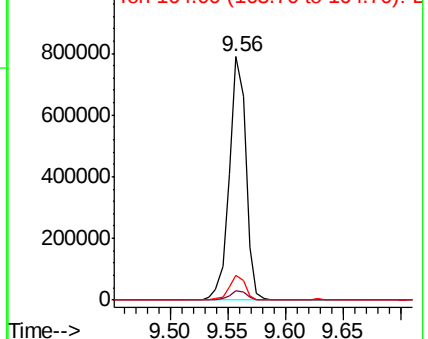
Ion Ratio Lower Upper

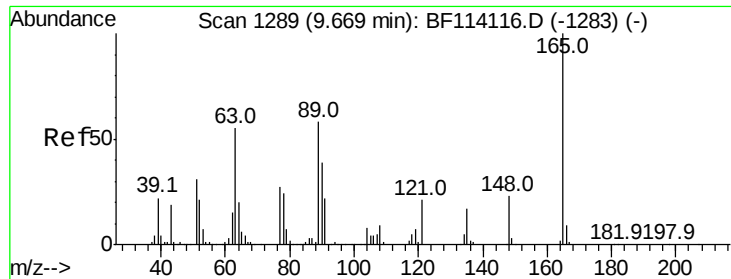
163 100

194 3.9 3.4 5.0

164 10.2 8.2 12.2

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





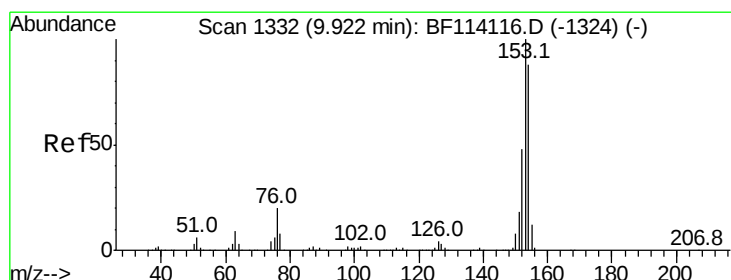
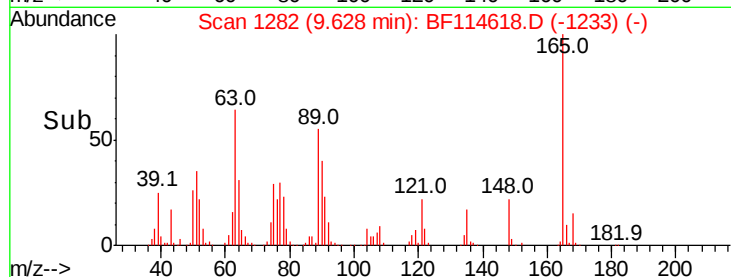
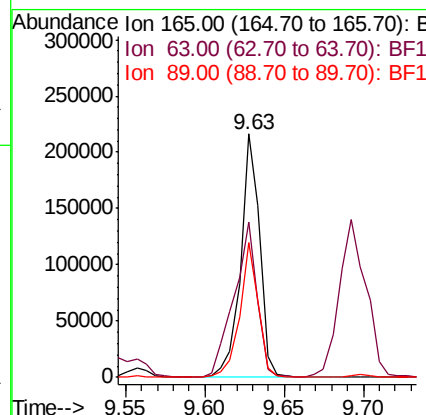
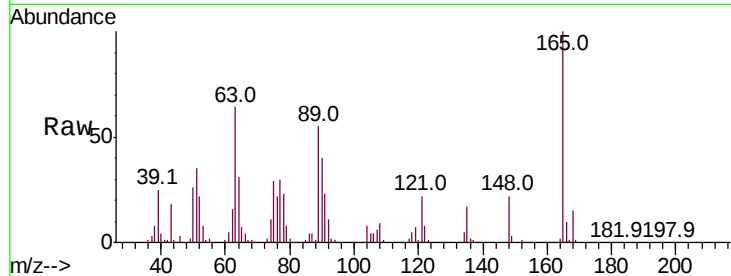
#51
 2,6-Dinitrotoluene
 Concen: 43.786 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	179359		
63	63.7	50.2	75.4	
89	55.4	46.6	69.8	

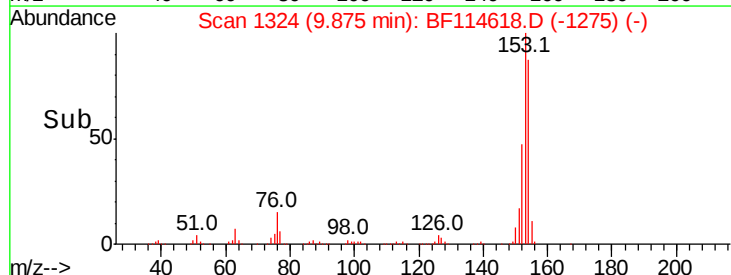
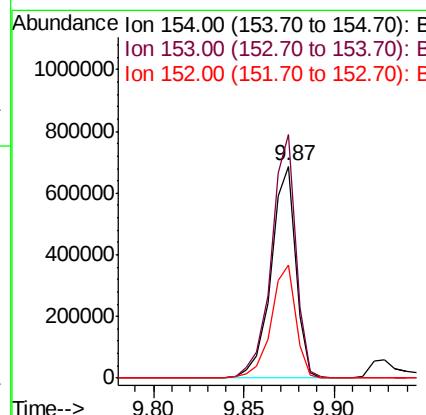
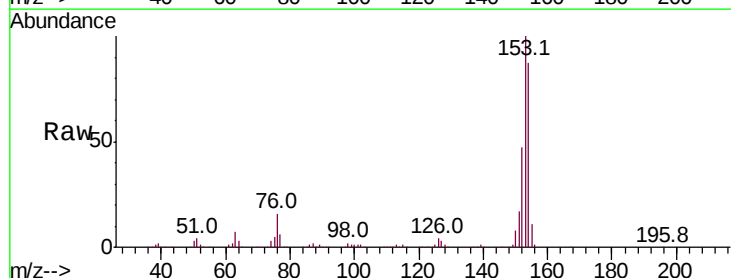
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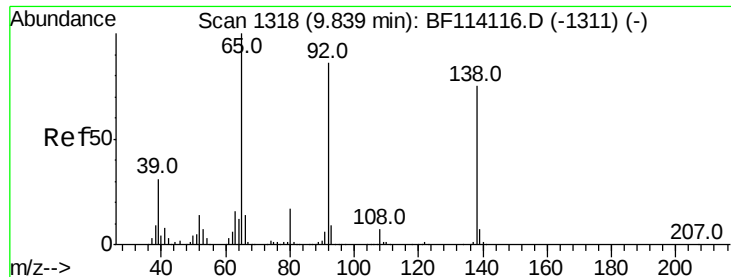
mohammad
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#52
 Acenaphthene
 Concen: 42.832 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	653875		
153	114.9	90.5	135.7	
152	53.5	43.4	65.2	





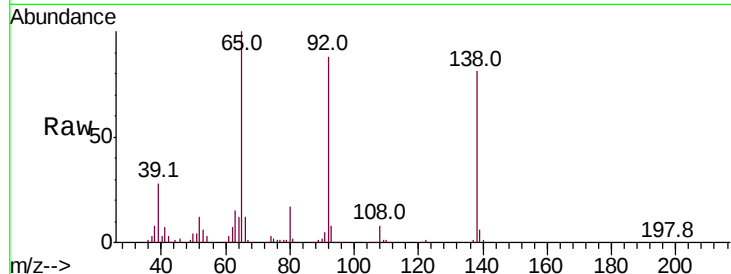
#53
3-Nitroaniline
Concen: 27.212 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	9.9	7.8	11.6	
92	108.2	91.2	136.8	

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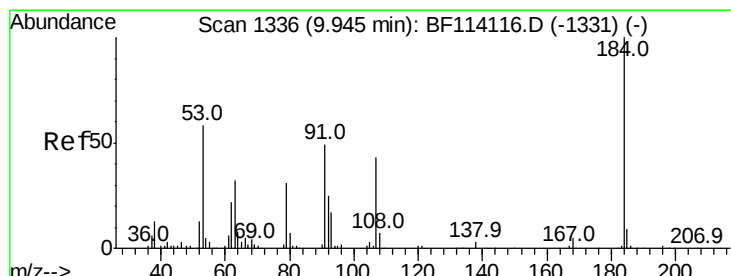
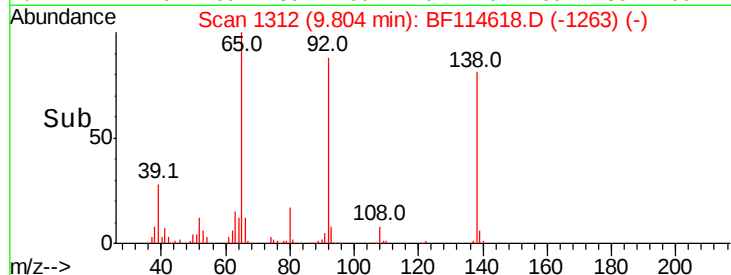
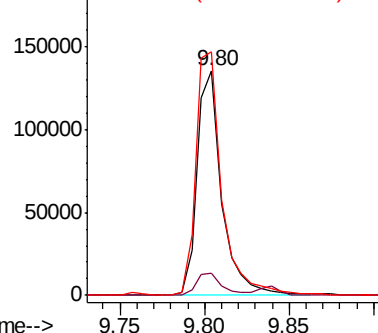


Abundance

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: 70.318 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

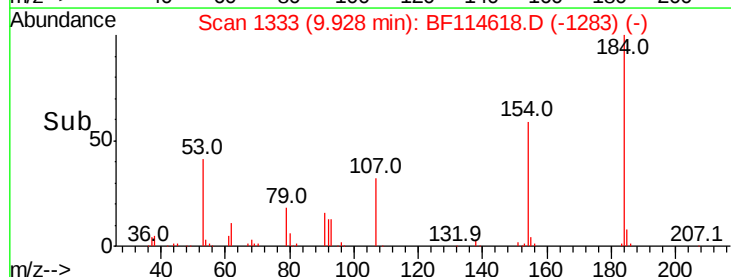
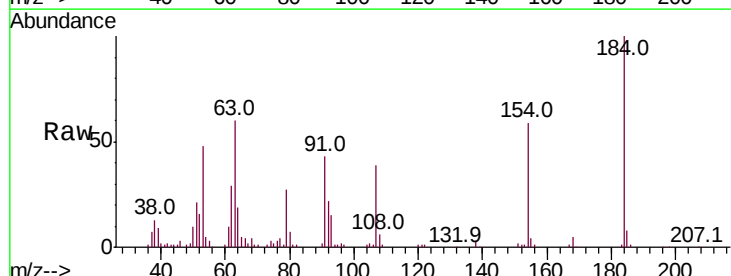
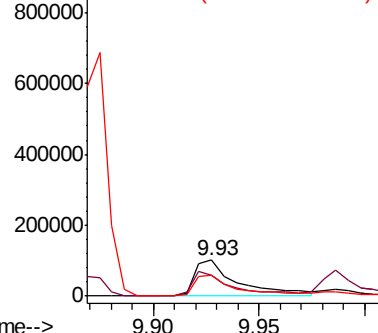
Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	59.7	55.6	83.4	
154	59.2	46.0	69.0	

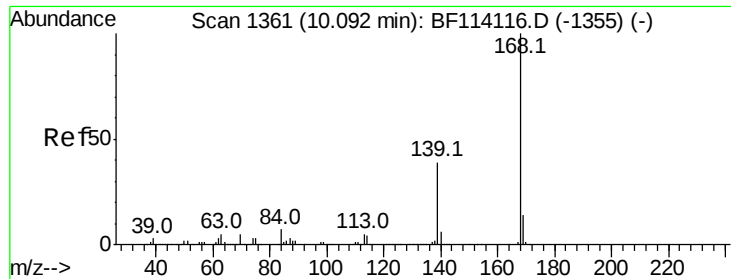
Abundance

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





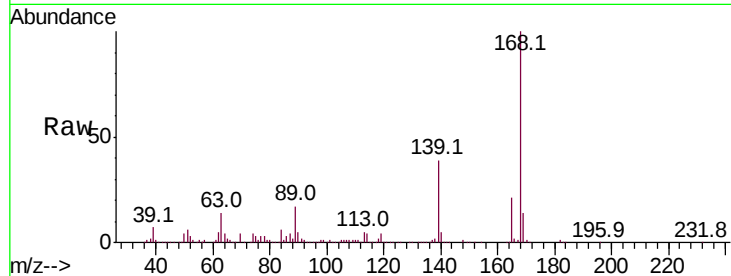
#55
Dibenzofuran
Concen: 41.910 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampled :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.2	31.1	46.7	
169	13.9	11.4	17.0	

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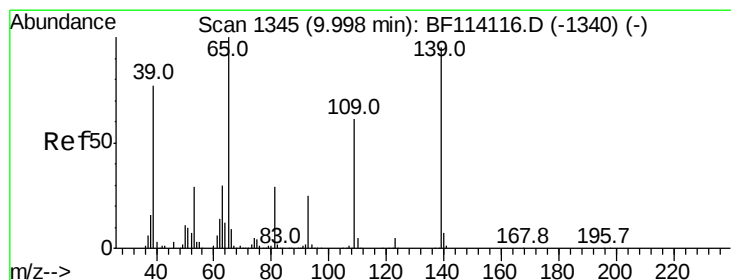
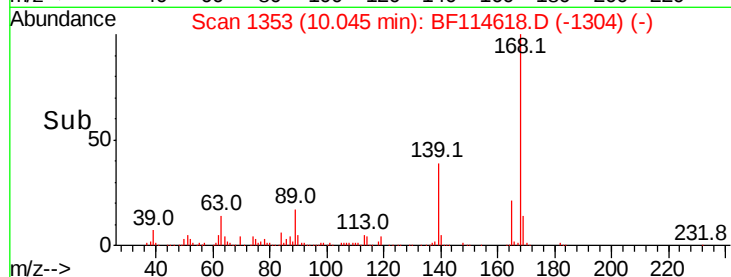
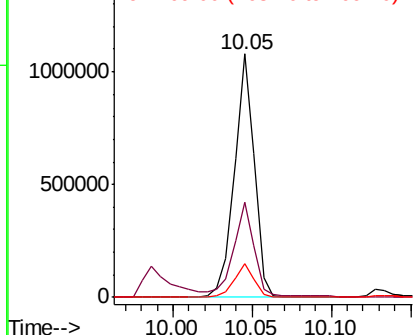


Abundance

Ion 168.00 (167.70 to 168.70): E

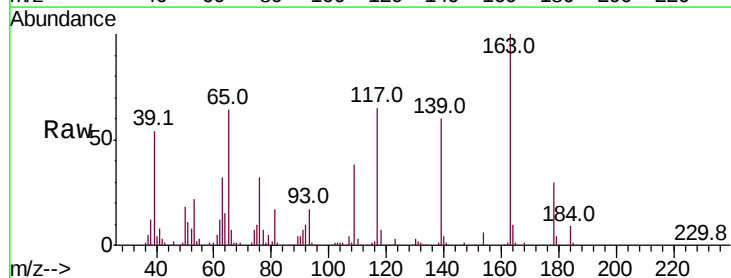
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 48.698 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	63.2	43.9	83.9	
65	107.1	85.7	125.7	

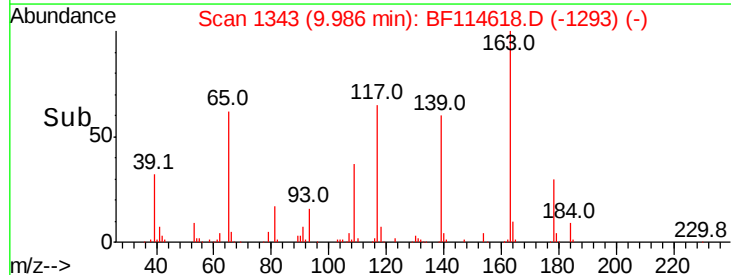
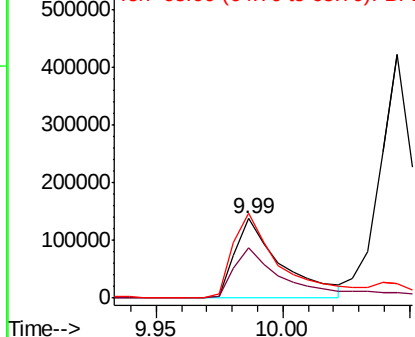


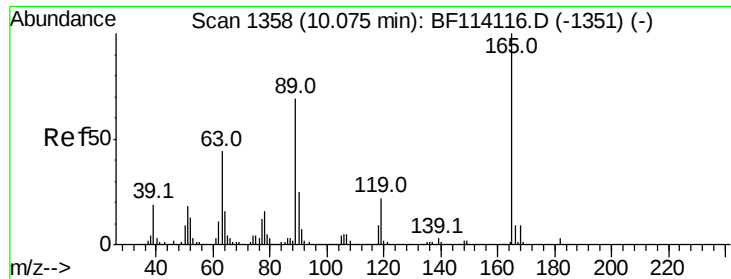
Abundance

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: 39.686 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

ClientSampleId :

PB119929BSD

Tot Ion:165 Resp: 220648
Ion Ratio Lower Upper

165 100

63 66.8 35.5 53.3#

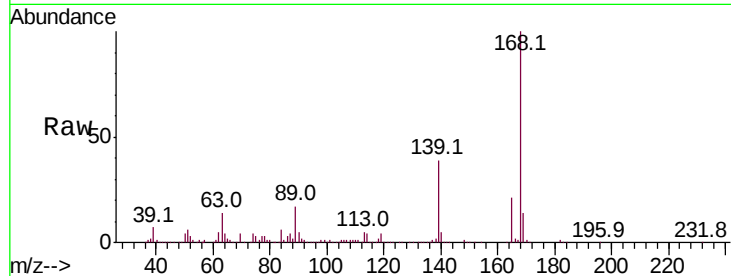
89 80.3 55.2 82.8

182 2.6 2.2 3.2

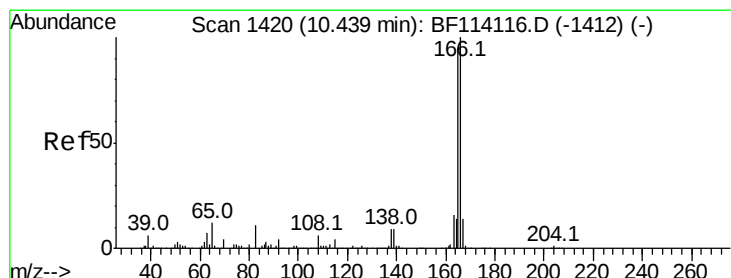
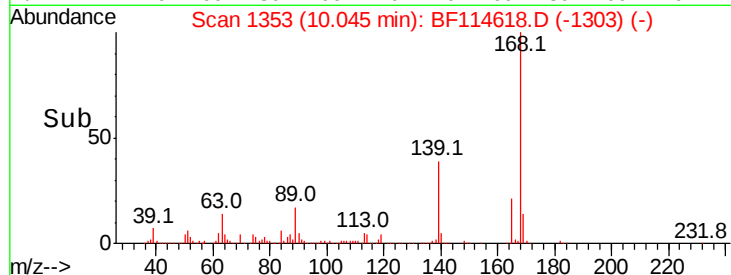
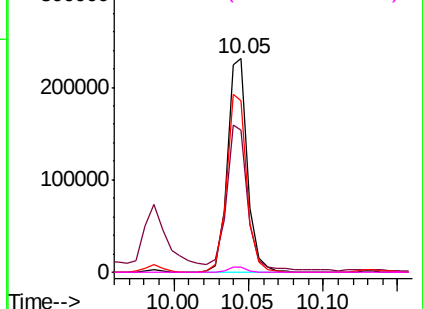
Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.166 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF114618.D

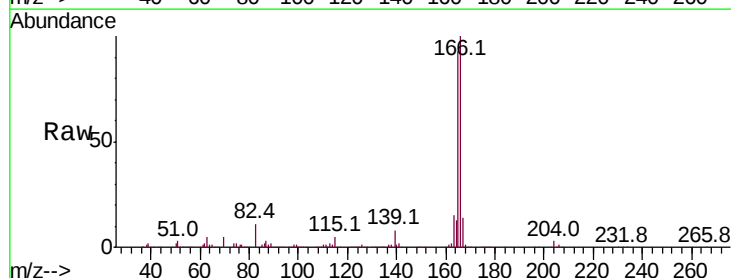
Acq: 25 May 2019 21:34

Tgt Ion:166 Resp: 780954
Ion Ratio Lower Upper

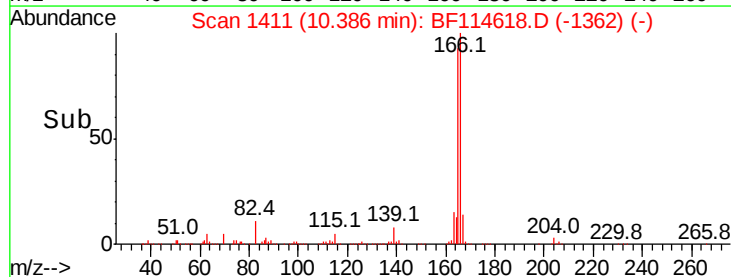
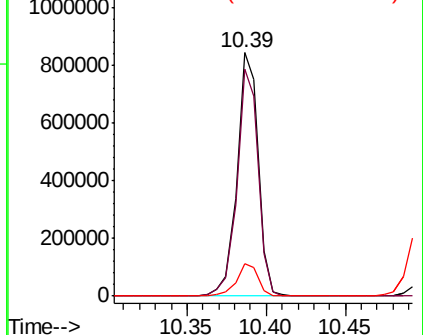
166 100

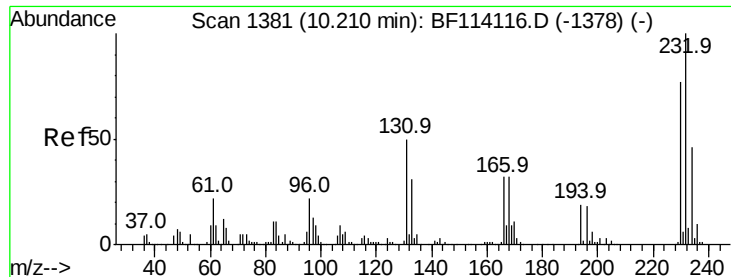
165 93.3 76.1 114.1

167 13.6 11.1 16.7



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





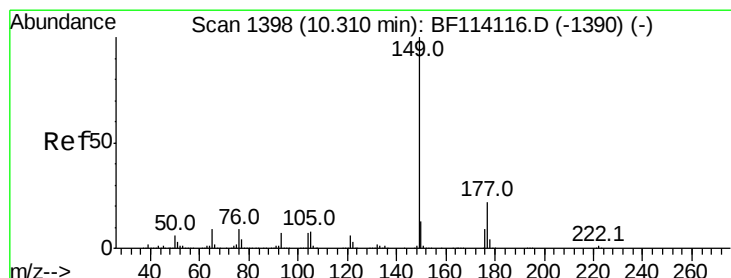
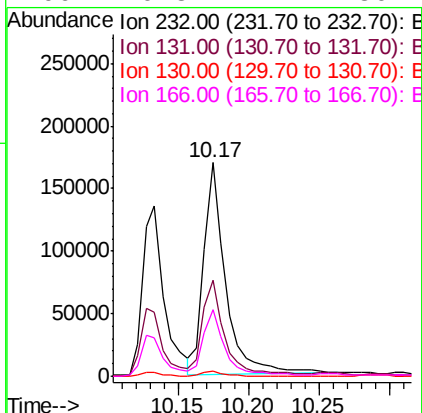
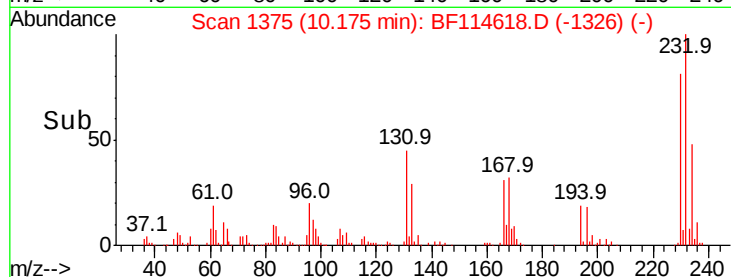
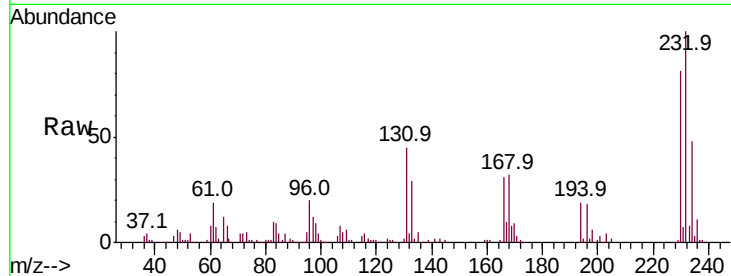
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.016 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	180972		
131	43.8		35.6	53.4
130	2.4		1.6	2.4
166	29.8		24.1	36.1

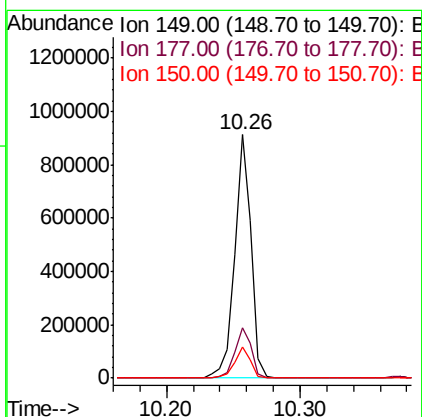
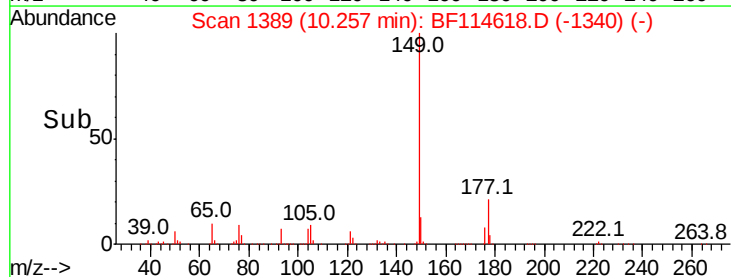
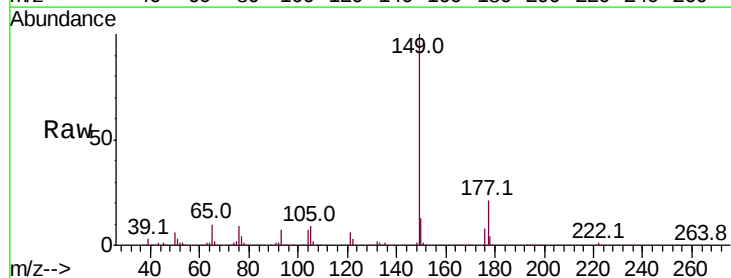
Manual Integrations
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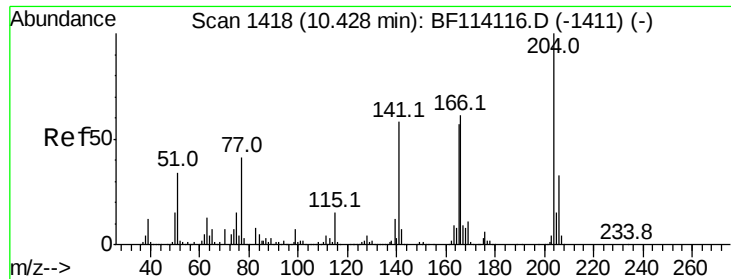
mohammad
 5/27/2019 3:50:24 AM



#60
 Diethylphthalate
 Concen: 41.629 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	781168		
177	20.7		17.8	26.6
150	12.6		10.2	15.2





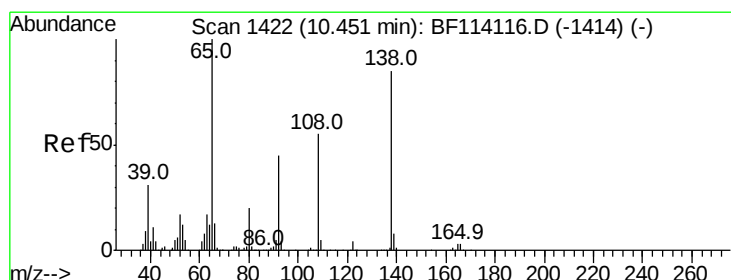
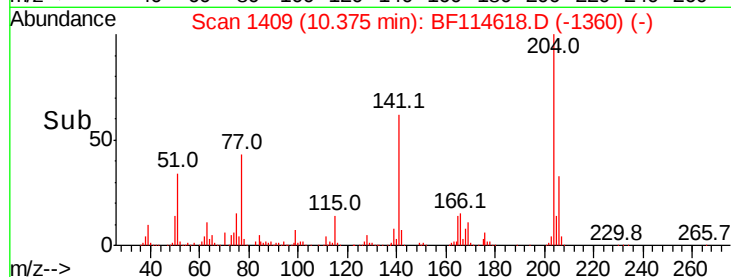
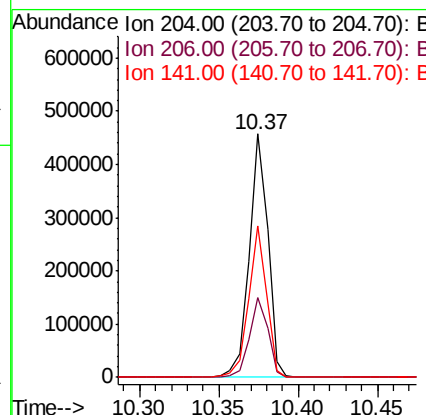
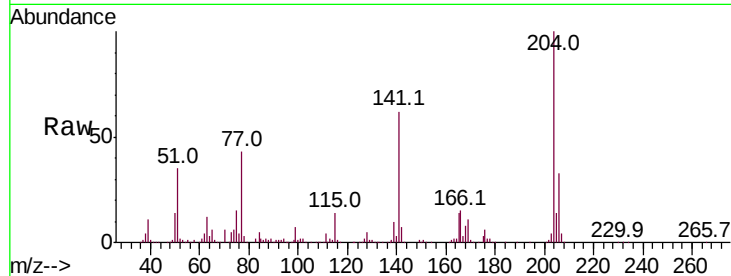
#61
4-Chlorophenyl-phenylether
Concen: 43.505 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	369457		
206	32.7	26.6	39.8	
141	62.1	46.4	69.6	

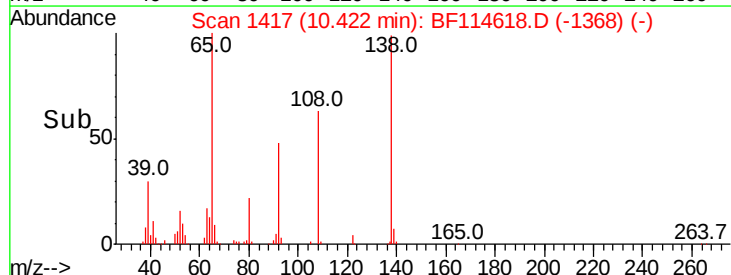
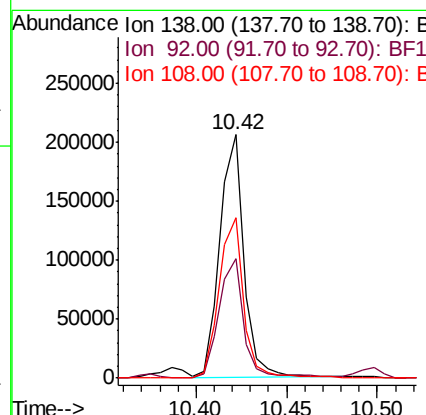
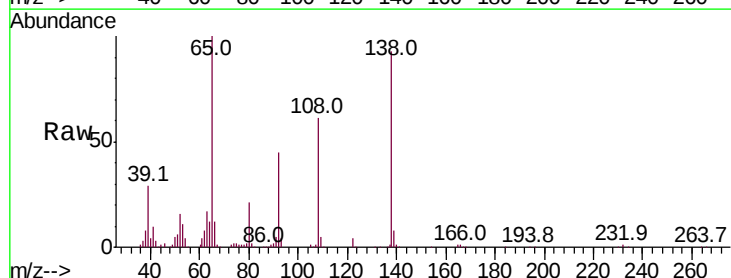
Manual Integrations
APPROVED

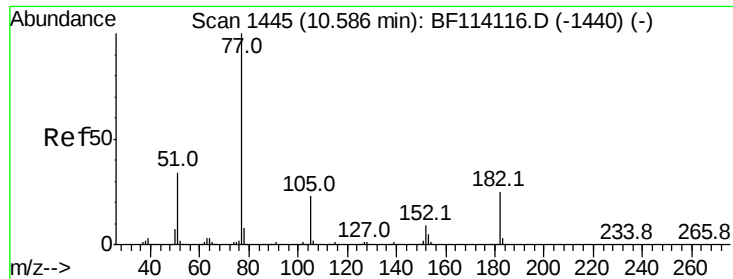
mohammad
5/27/2019 3:50:24 AM



#62
4-Nitroaniline
Concen: 35.556 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	189985		
92	48.8	33.0	73.0	
108	65.7	44.9	84.9	





#63

Azobenzene

Concen: 42.039 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

ClientSampleId :

PB119929BSD

Tot Ion: 77 Resp: 763568

Ion Ratio Lower Upper

77 100

182 27.9 4.7 44.7

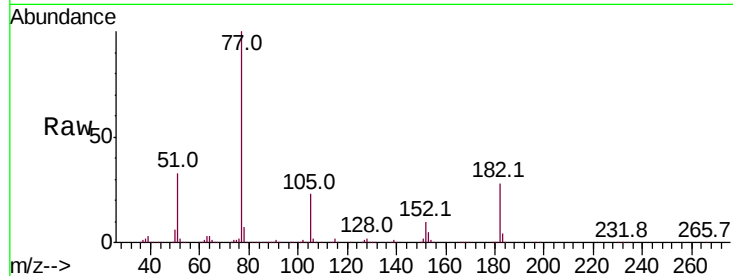
105 23.4 2.9 42.9

51 33.0 14.6 54.6

Manual Integrations
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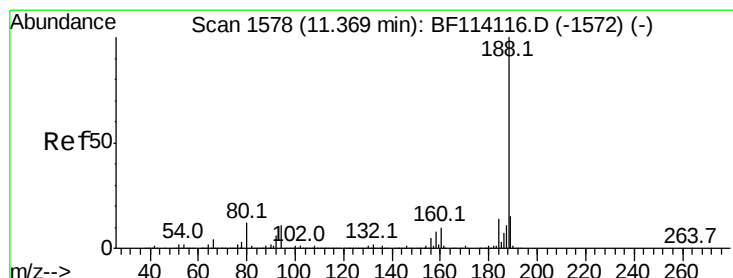
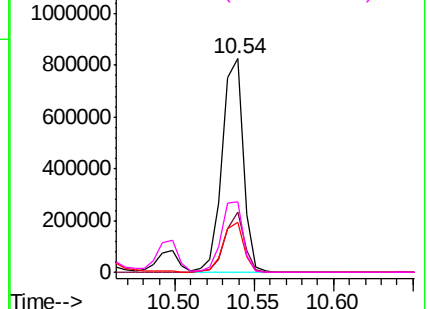
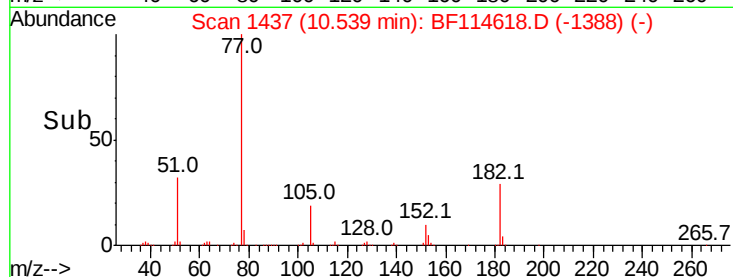
Abundance

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: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

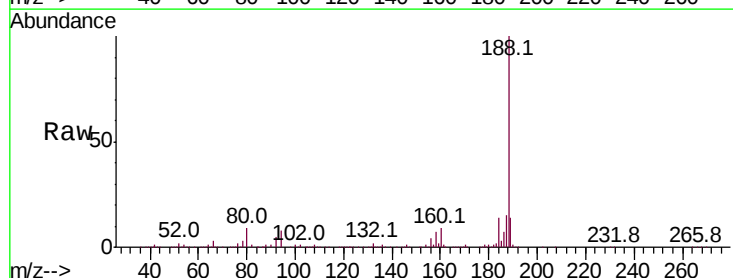
Tgt Ion: 188 Resp: 489851

Ion Ratio Lower Upper

188 100

94 8.2 8.4 12.6#

80 8.8 9.2 13.8#

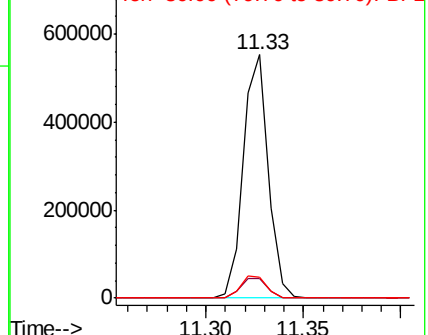
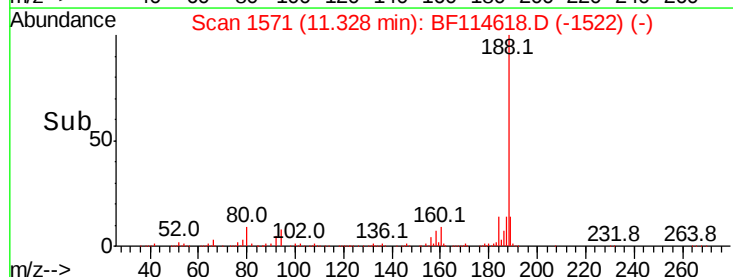


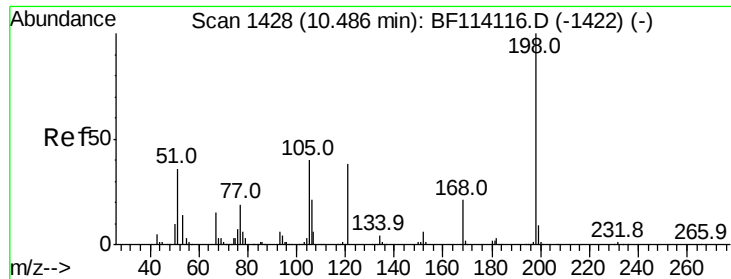
Abundance

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





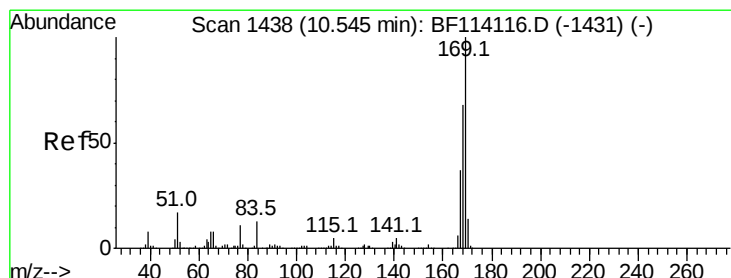
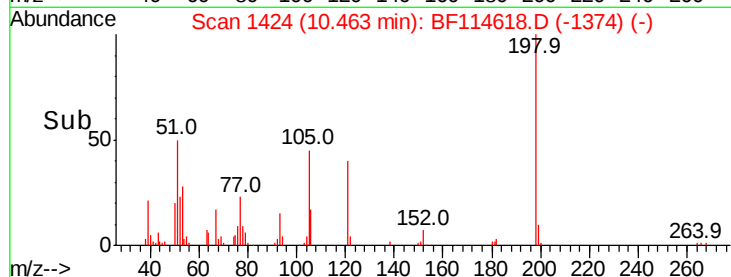
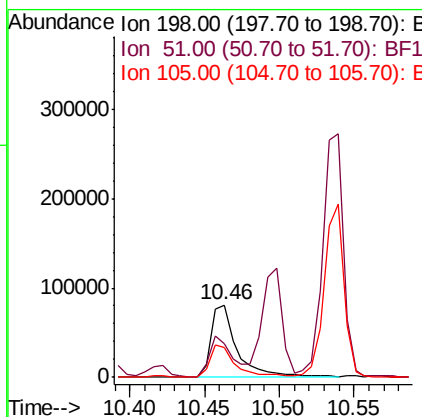
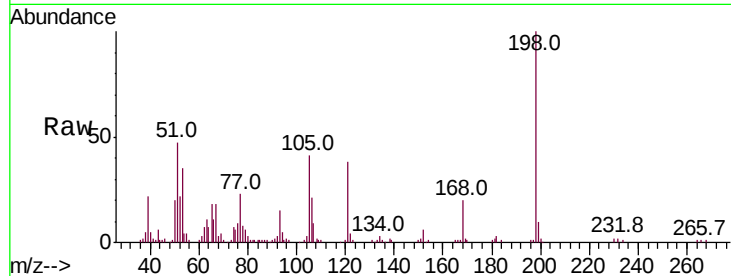
#65
4,6-Dinitro-2-methylphenol
Concen: 42.111 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	99120		
51	46.7	28.0	68.0	
105	41.3	21.1	61.1	

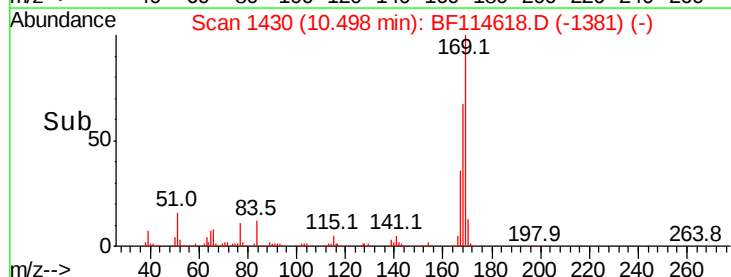
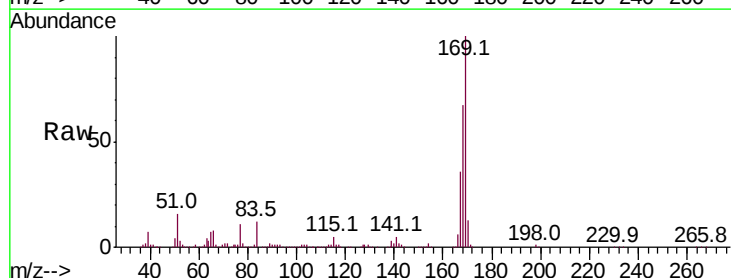
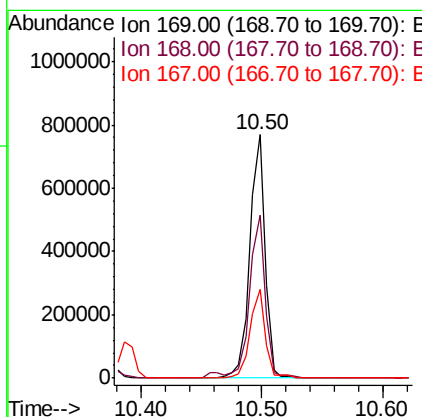
Manual Integrations
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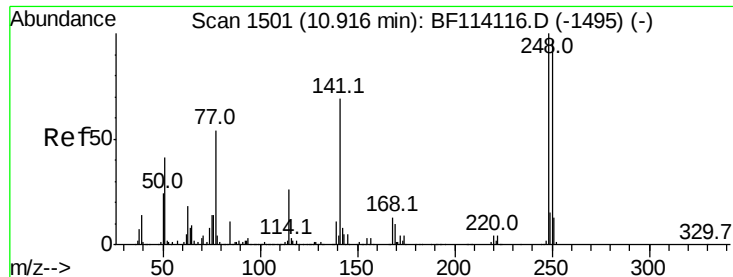
mohammad
5/27/2019 3:50:24 AM



#66
n-Nitrosodiphenylamine
Concen: 45.953 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	683184		
168	66.9	54.2	81.2	
167	36.5	29.8	44.8	





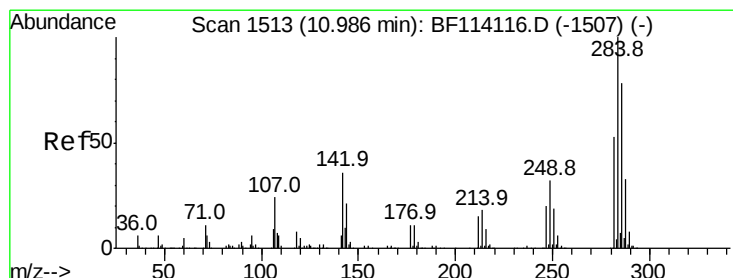
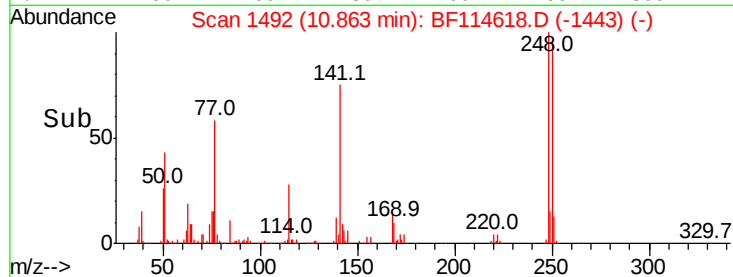
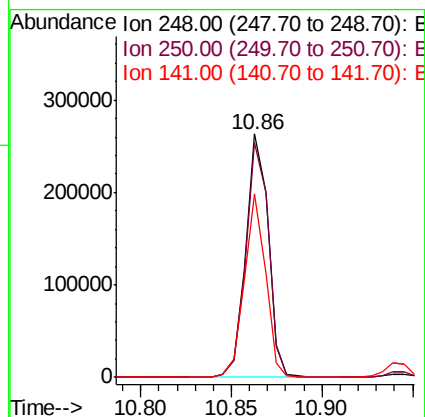
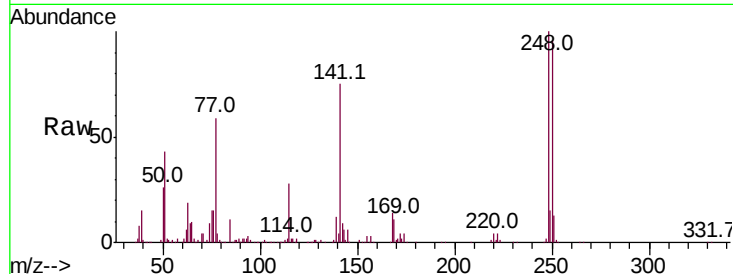
#67
4-Bromophenyl-phenylether
Concen: 42.109 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion:	248	Resp:	227113
Ion Ratio	Lower	Upper	
248	100		
250	96.3	77.4	116.2
141	75.3	55.6	83.4

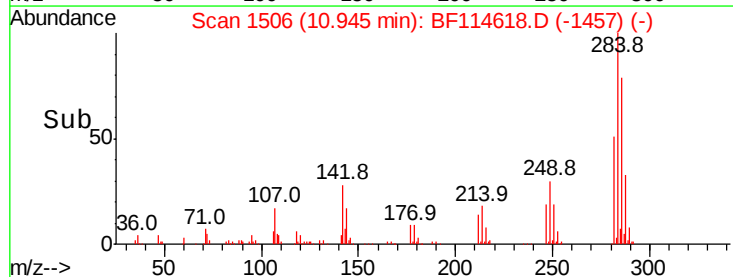
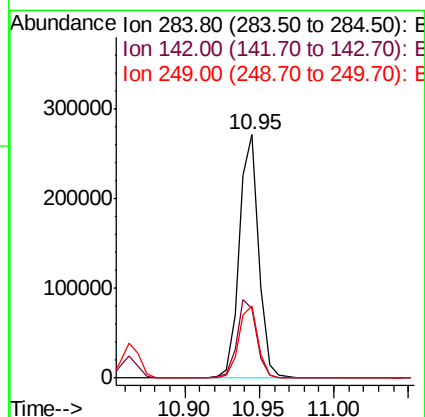
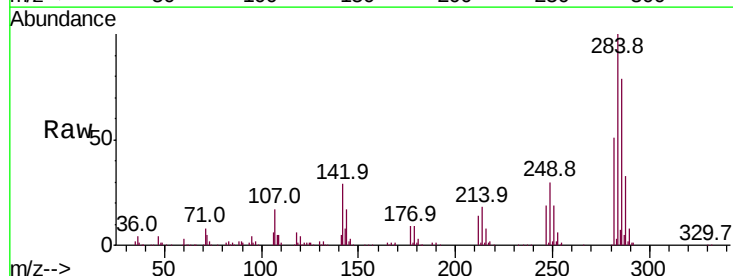
Manual Integrations
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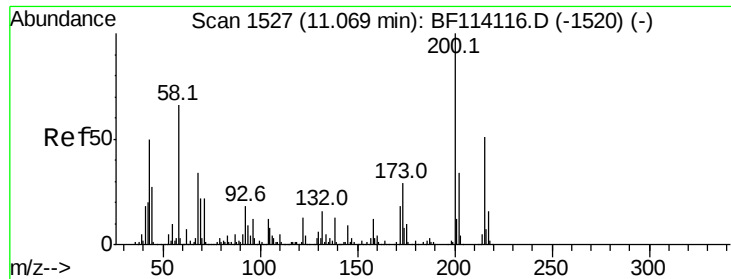
mohammad
5/27/2019 3:50:24 AM



#68
Hexachlorobenzene
Concen: 41.519 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion:	284	Resp:	247730
Ion Ratio	Lower	Upper	
284	100		
142	28.6	28.4	42.6
249	29.6	25.2	37.8





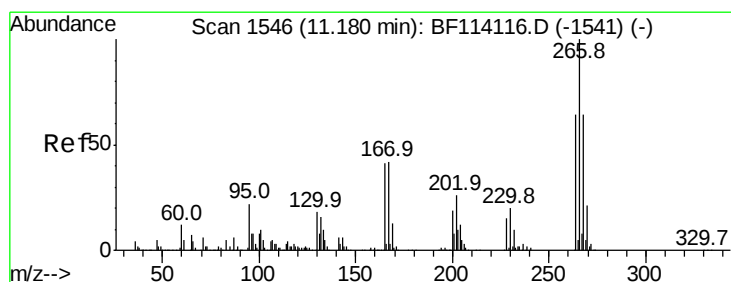
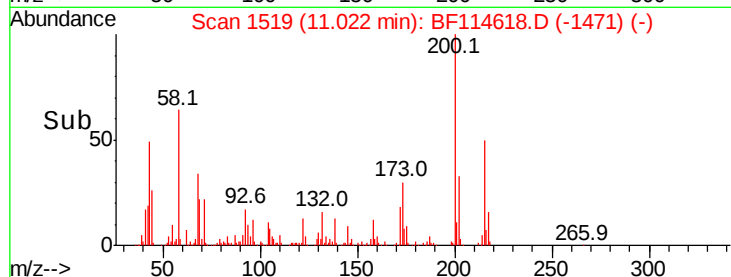
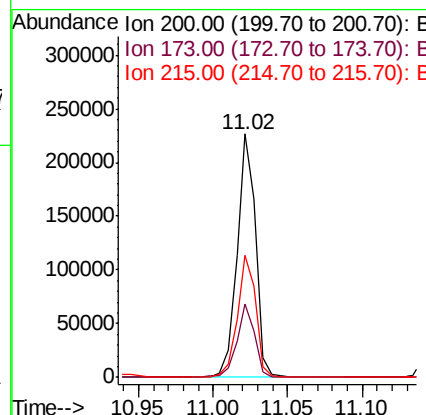
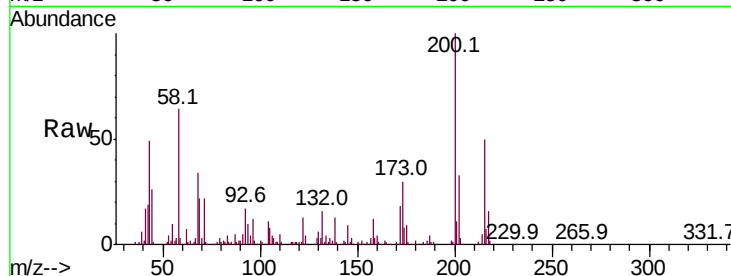
#69
Atrazine
Concen: 42.835 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	30.2	8.9	48.9
215	50.1	30.7	70.7

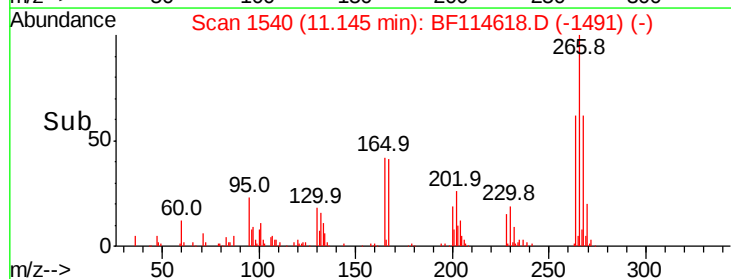
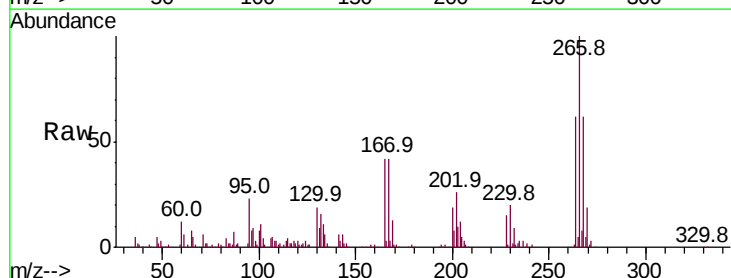
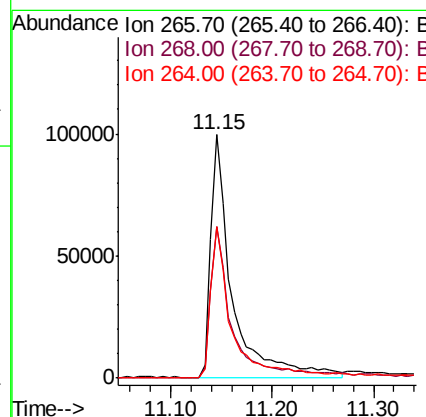
Manual Integrations
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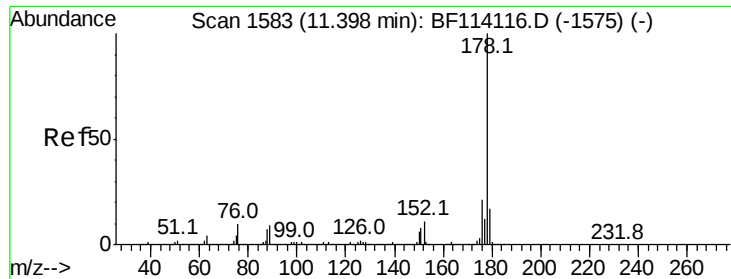
mohammad
5/27/2019 3:50:24 AM



#70
Pentachlorophenol
Concen: 52.351 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.2	51.1	76.7
264	62.2	51.1	76.7





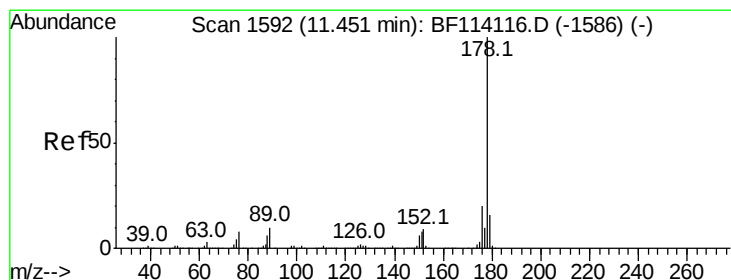
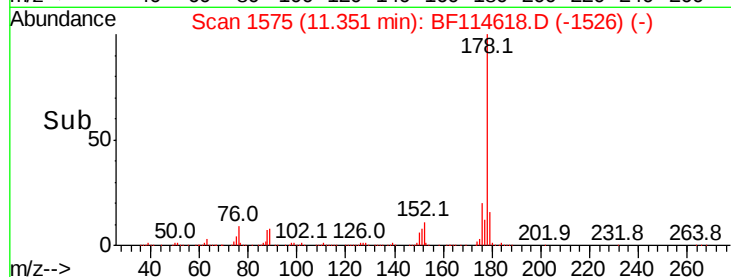
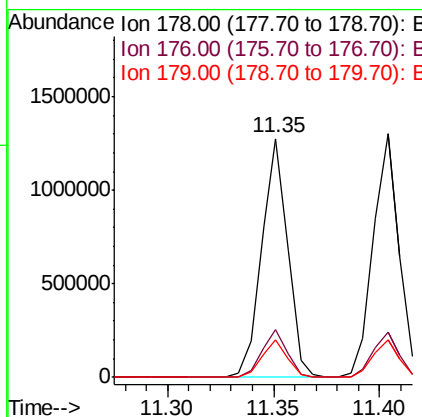
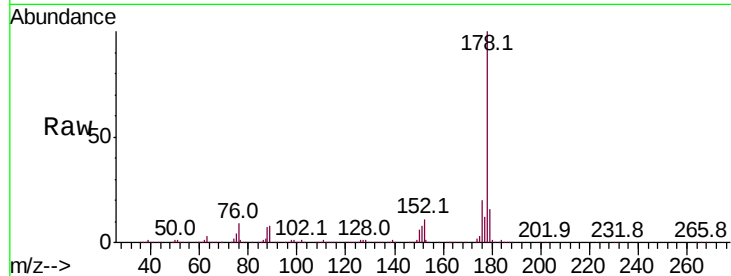
#71
Phenanthrene
Concen: 45.931 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.4	24.6
179	15.6	13.2	19.8

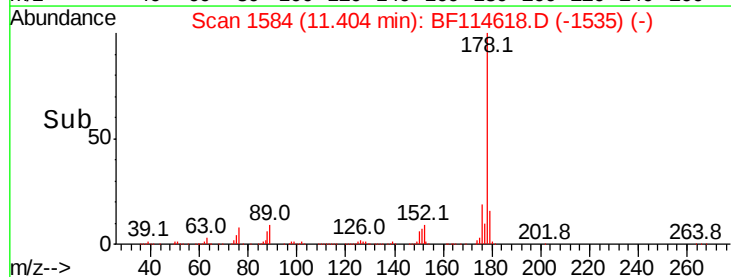
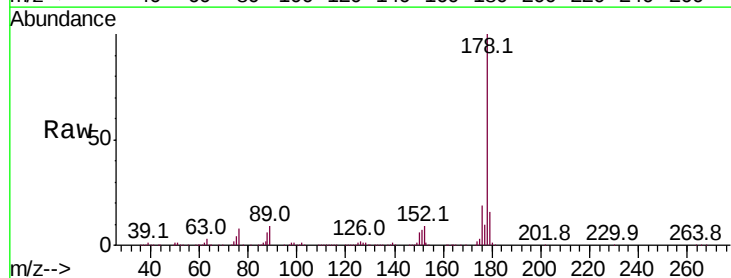
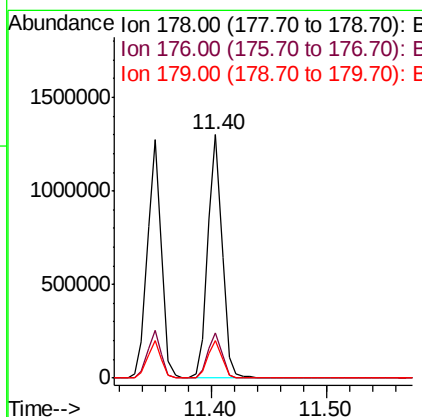
Manual Integrations
APPROVED

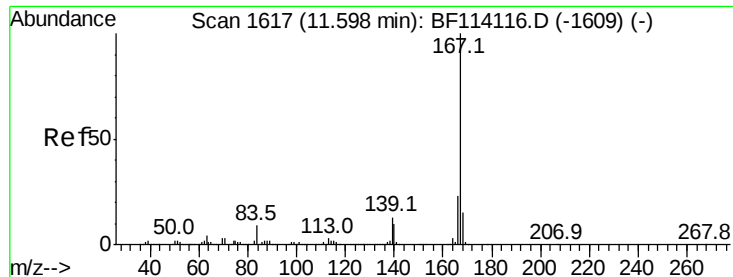
mohammad
5/27/2019 3:50:24 AM



#72
Anthracene
Concen: 47.105 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.6	13.0	19.4





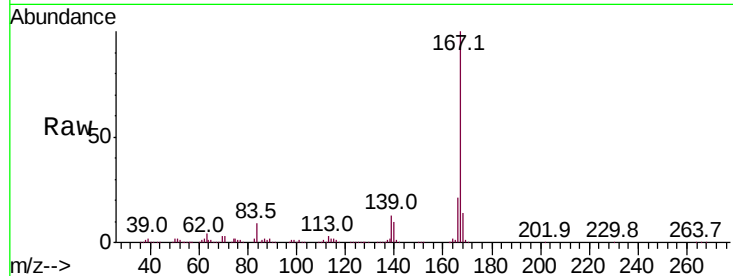
#73
 Carbazole
 Concen: 46.539 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampled :
 PB119929BSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.2	27.2
139	13.2	10.6	16.0

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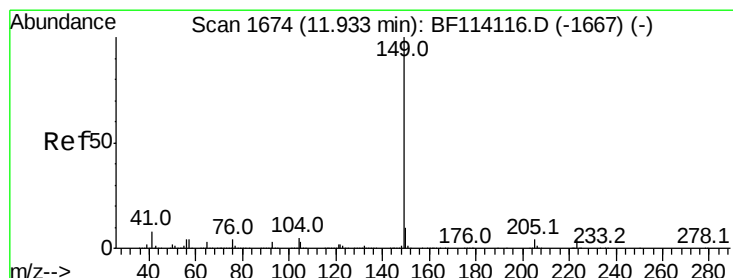
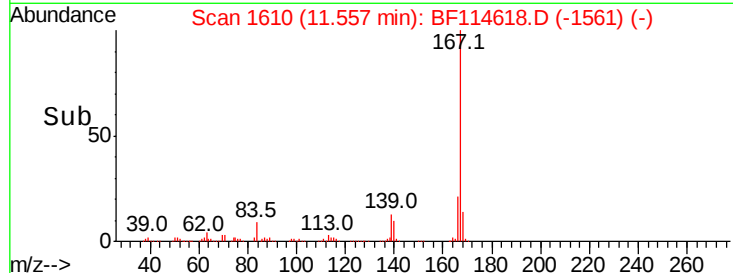
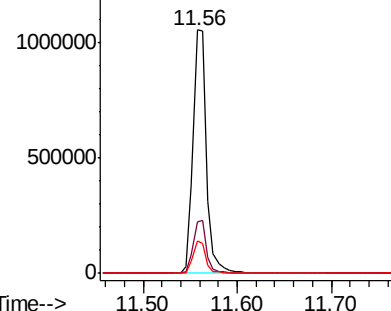


Abundance

Ion 167.00 (166.70 to 167.70): E

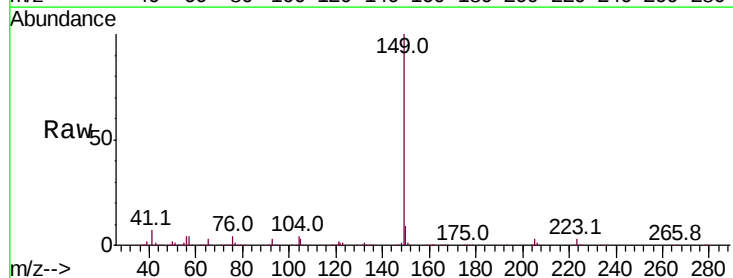
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 45.462 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	4.2	3.6	5.4

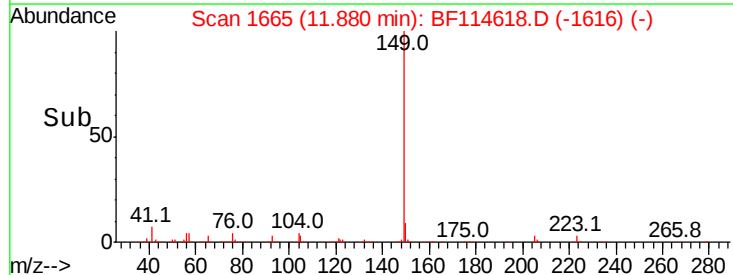
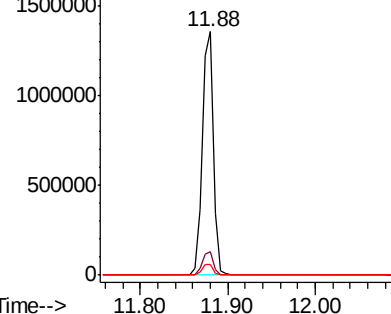


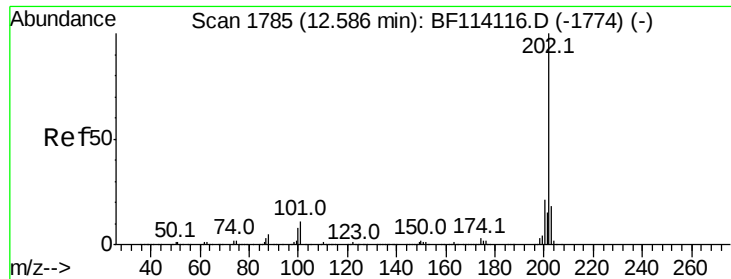
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.154 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

ClientSampleId :

PB119929BSD

Tot Ion:202 Resp: 1184493

Ion Ratio Lower Upper

202 100

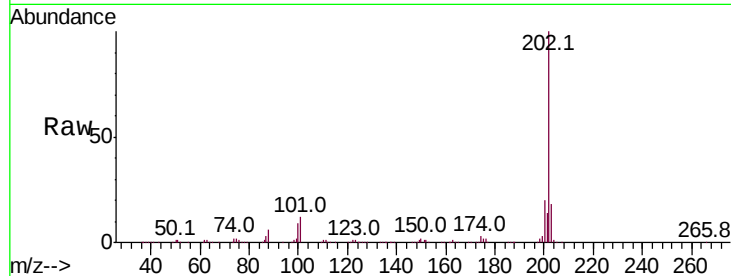
101 11.9 0.0 31.0

203 18.0 0.0 38.4

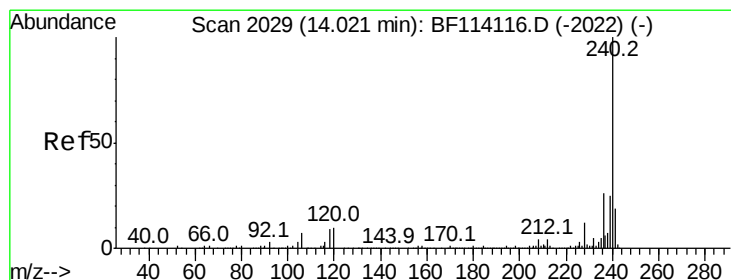
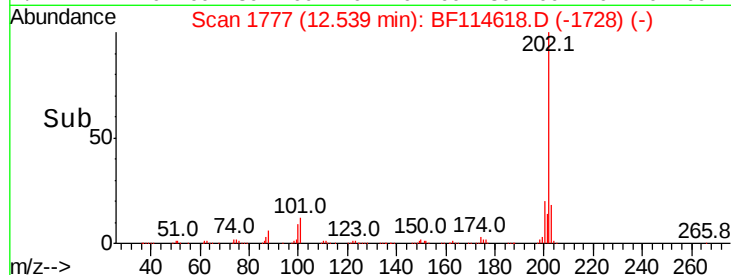
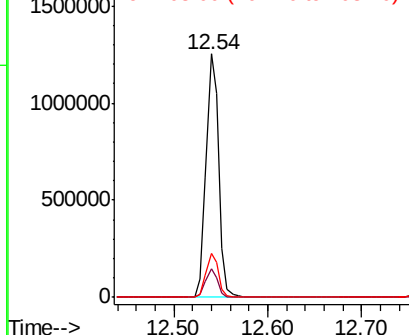
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

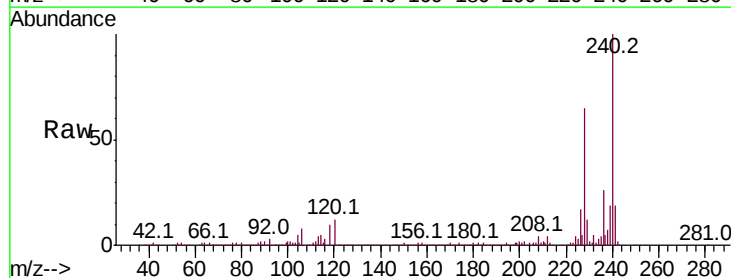
Tgt Ion:240 Resp: 348047

Ion Ratio Lower Upper

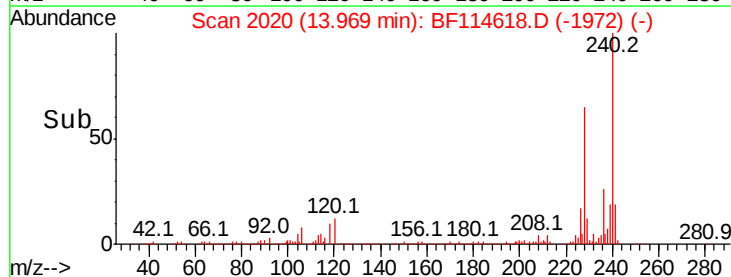
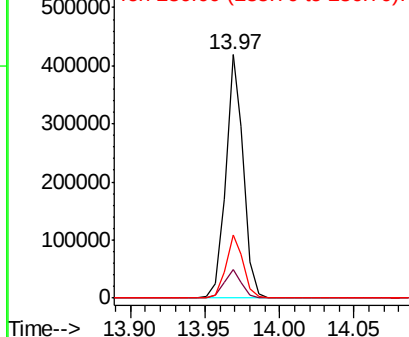
240 100

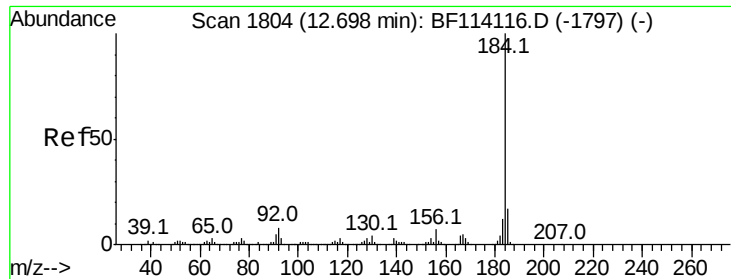
120 11.7 8.3 12.5

236 26.0 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 36.958 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

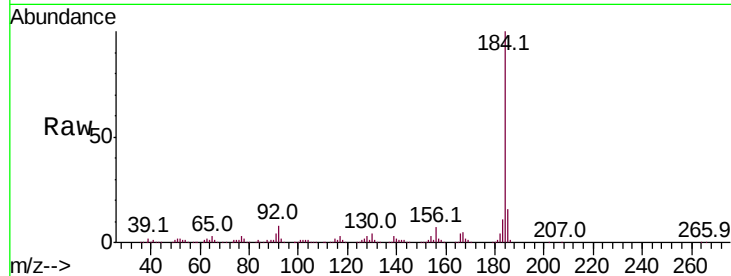
ClientSampleId :

PB119929BSD

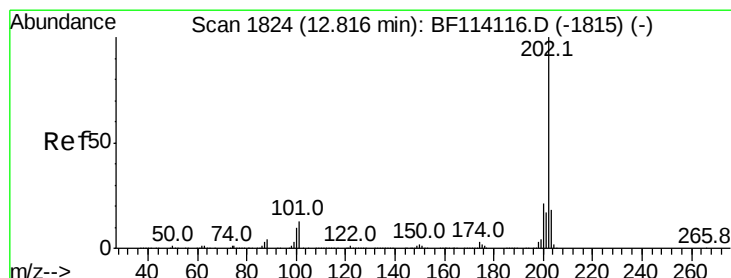
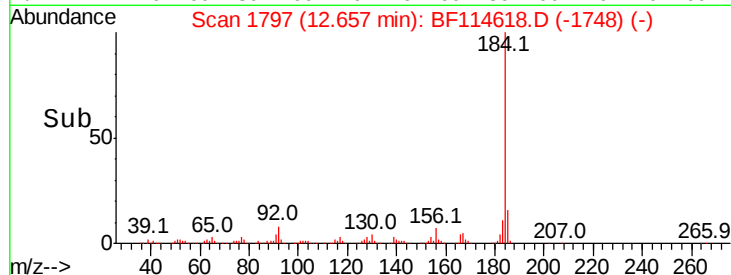
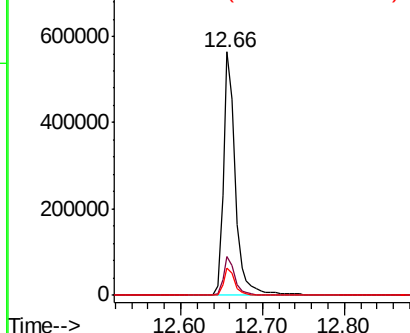
Tot Ion:	184	Resp:	577412
Ion Ratio	Lower	Upper	
184	100		
185	15.9	13.6	20.4
183	11.1	9.2	13.8

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



#78

Pyrene

Concen: 42.467 ng

RT: 12.77 min Scan# 1816

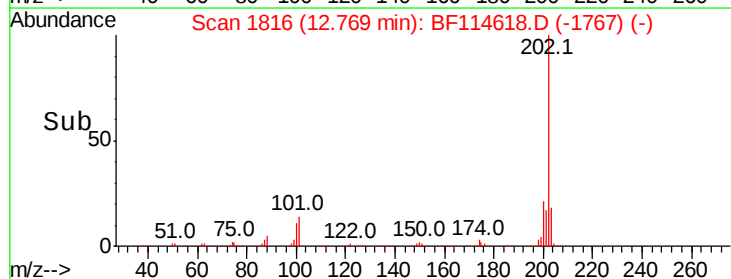
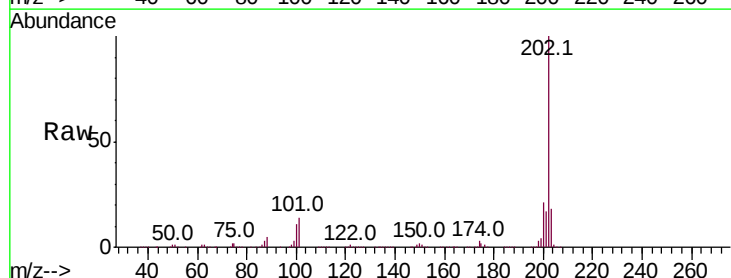
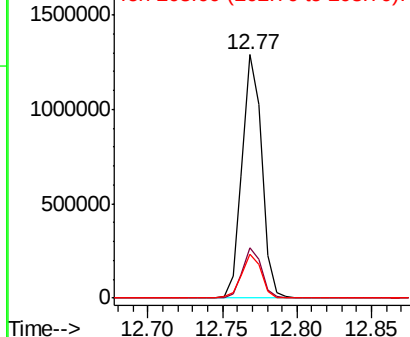
Delta R.T. -0.01 min

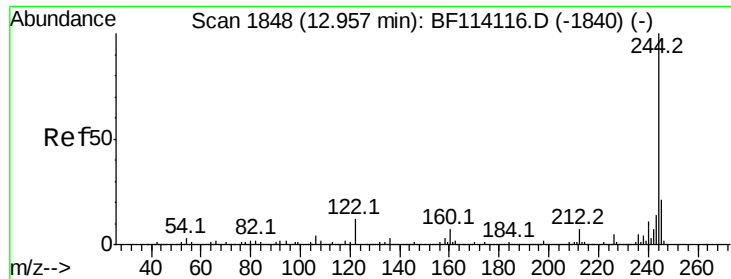
Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion:	202	Resp:	1189030
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	17.9	14.5	21.7

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





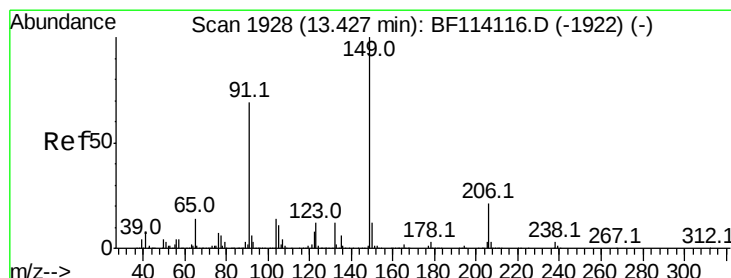
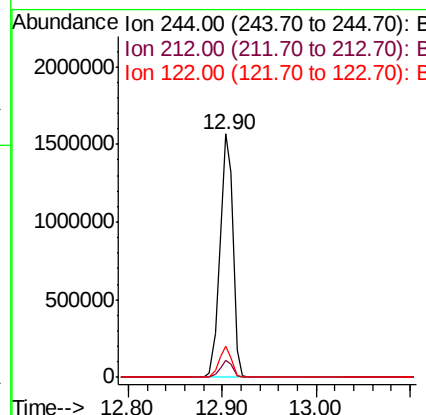
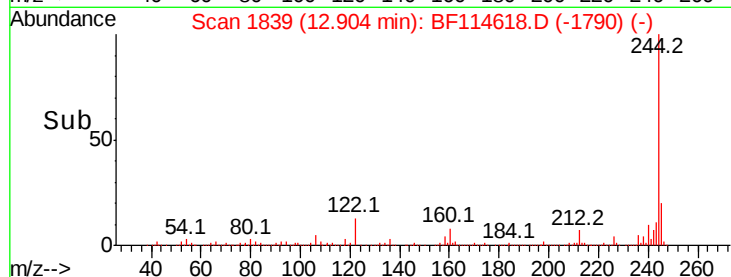
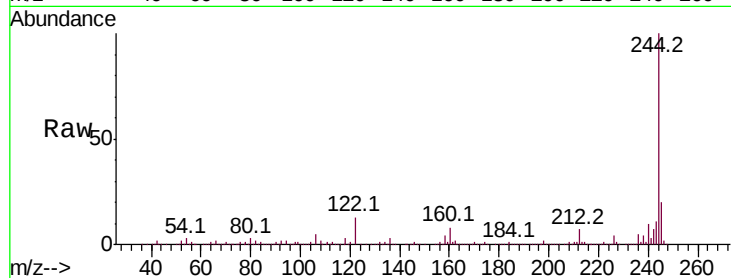
#79
 Terphenyl-d14
 Concen: 90.622 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 PB119929BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	13.0	9.4	14.2

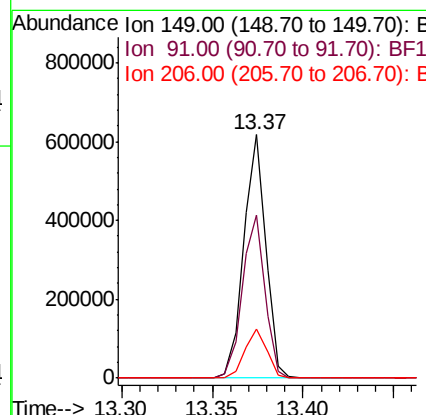
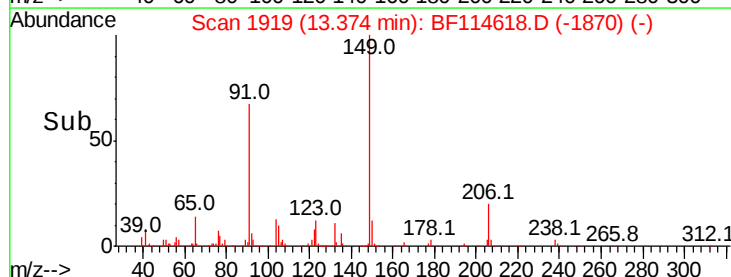
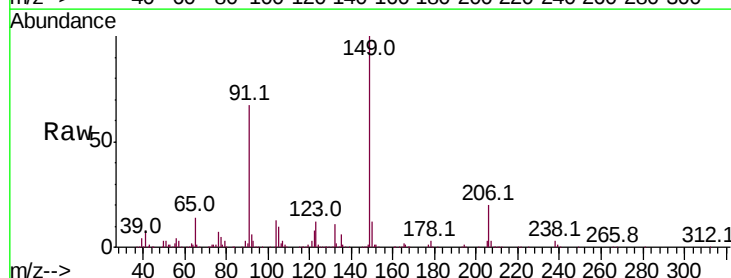
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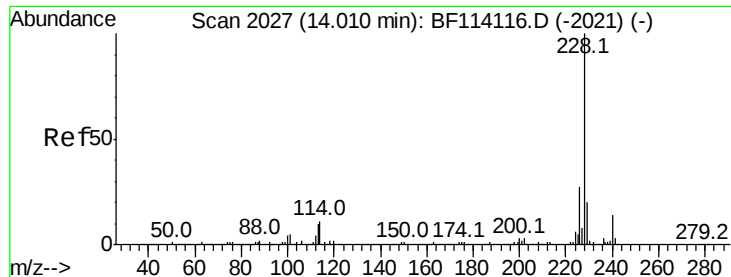
mohammad
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#80
 Butylbenzylphthalate
 Concen: 44.303 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF114618.D
 Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.8	55.0	82.4
206	20.0	16.9	25.3





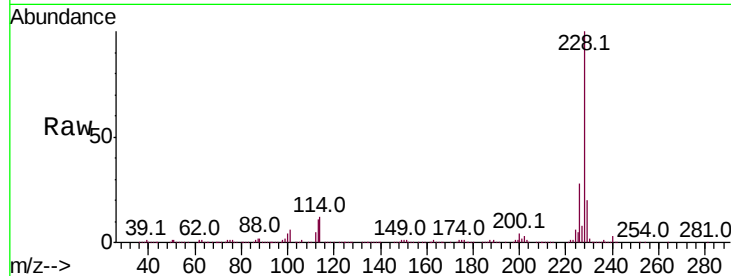
#81
Benzo(a)anthracene
Concen: 43.760 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
228	100	985106		
226	27.5	22.2	33.2	
229	20.1	16.4	24.6	

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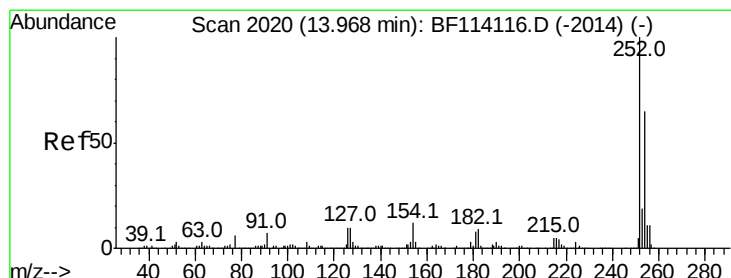
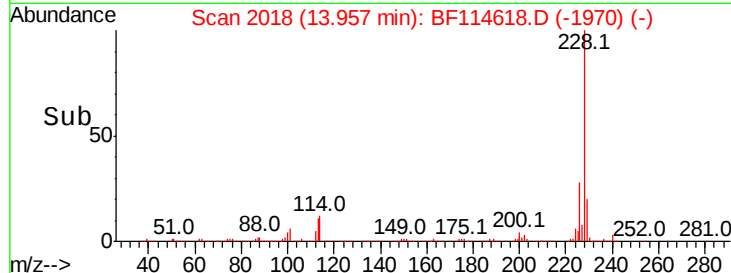
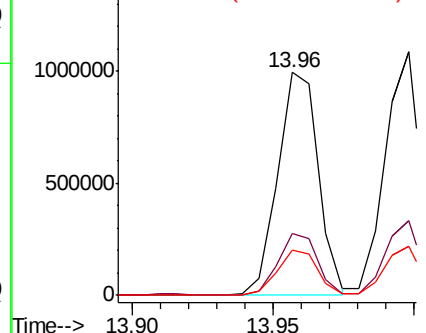


Abundance

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: 33.557 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

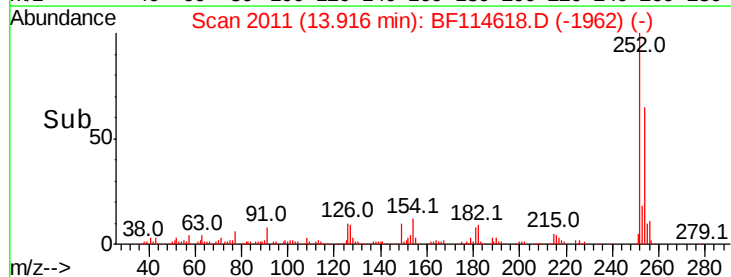
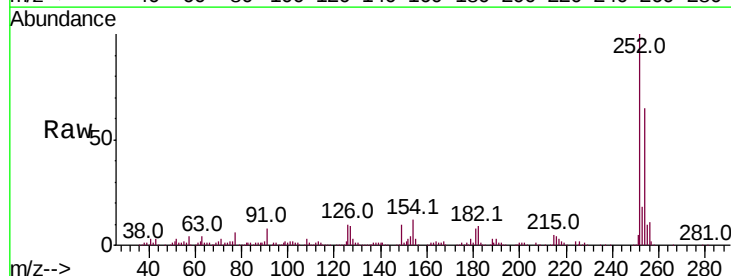
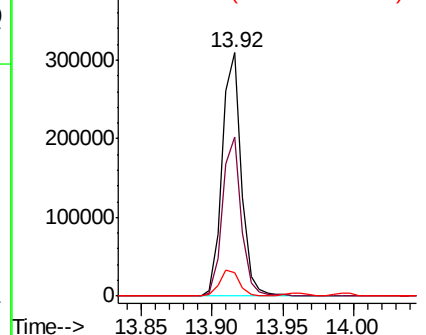
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	293052		
254	65.2	51.9	77.9	
126	9.8	7.9	11.9	

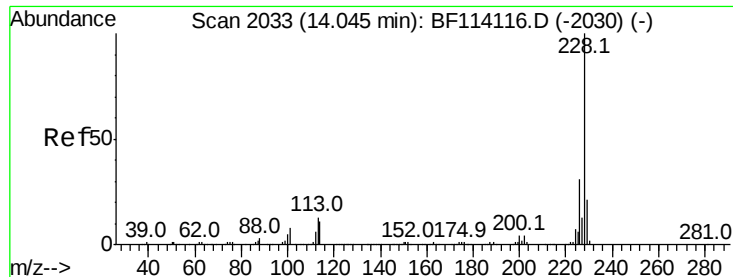
Abundance

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





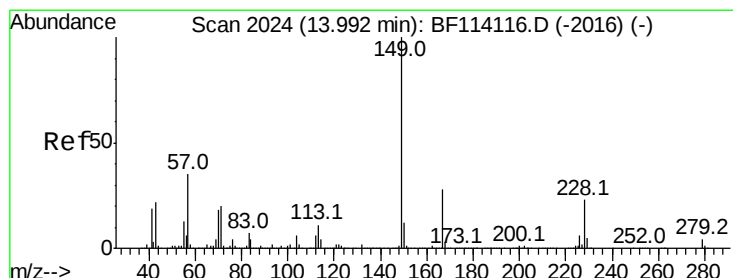
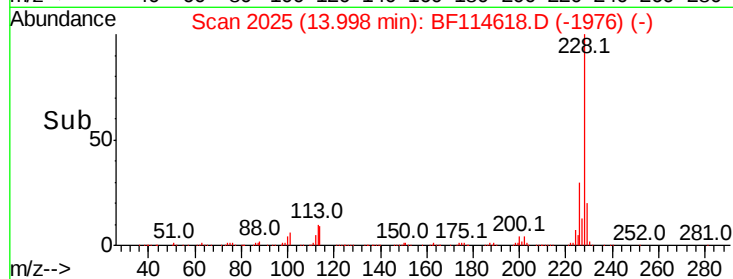
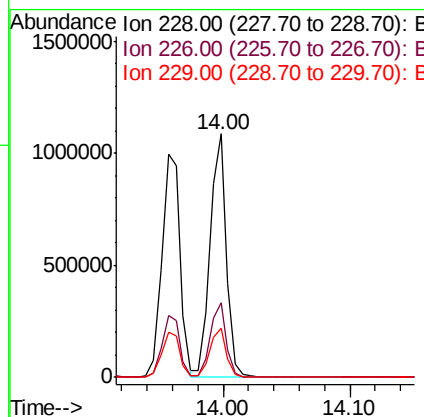
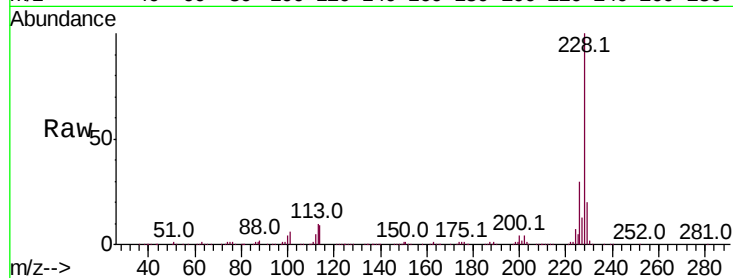
#83
Chrysene
Concen: 44.338 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.1	17.0	25.6

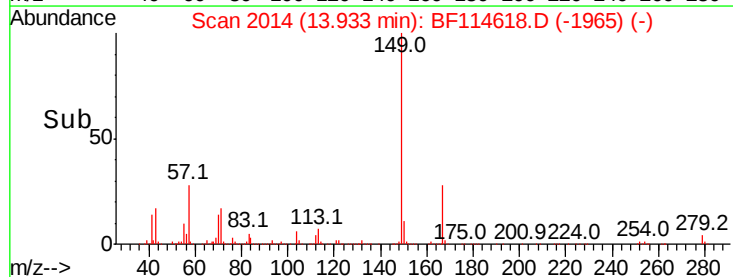
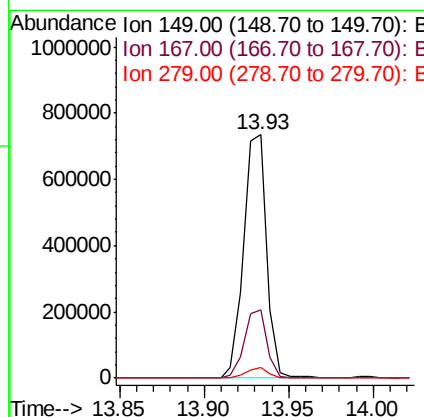
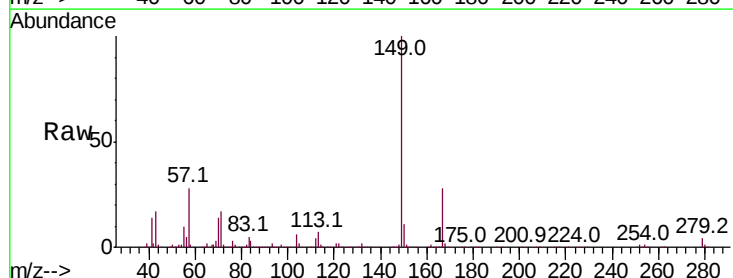
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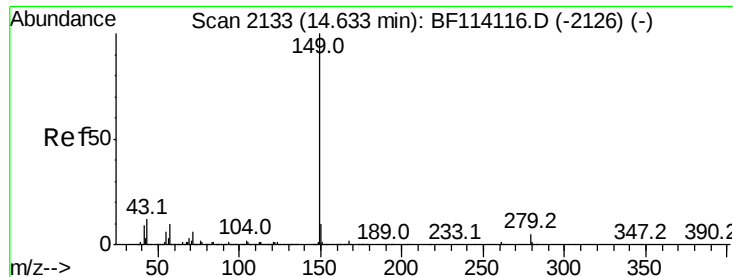
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#84
Bis(2-ethylhexyl)phthalate
Concen: 45.279 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	33.8
279	4.5	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 46.245 ng

RT: 14.54 min Scan# 2117

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

ClientSampleId :

PB119929BSD

Tot Ion:149 Resp: 1155457

Ion Ratio Lower Upper

149 100

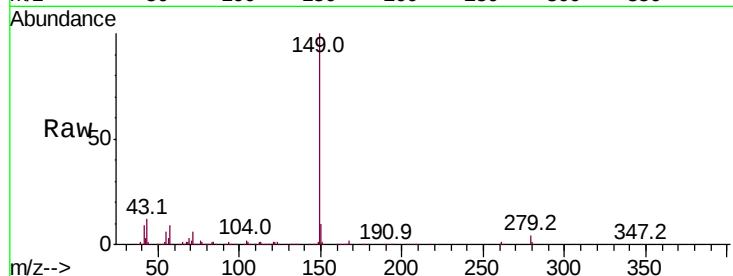
167 1.5 1.3 1.9

43 11.9 10.1 15.1

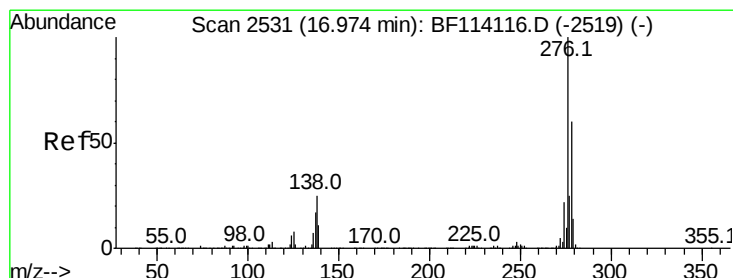
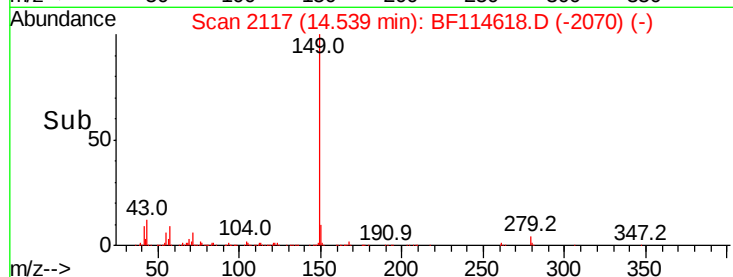
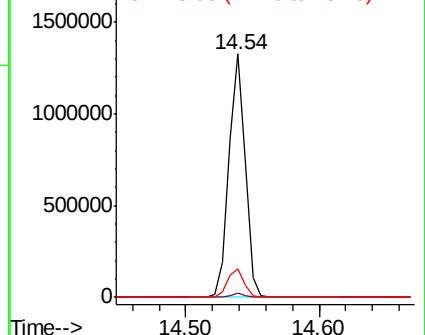
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.286 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.04 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

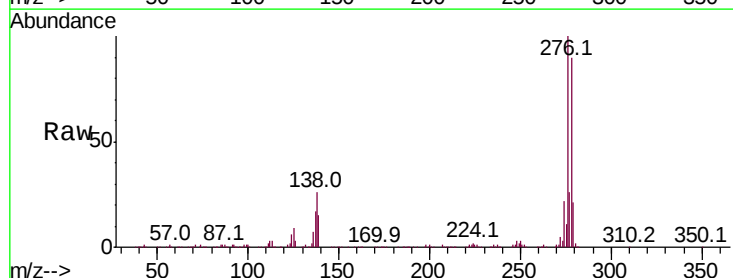
Tgt Ion:276 Resp: 902712

Ion Ratio Lower Upper

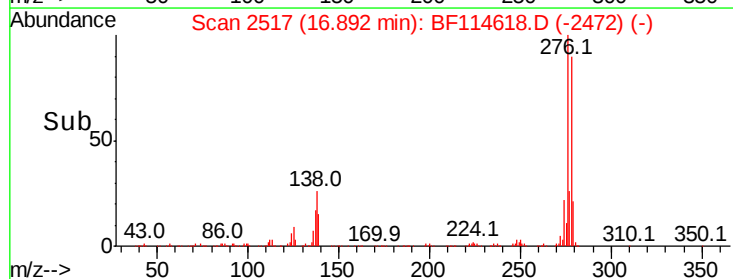
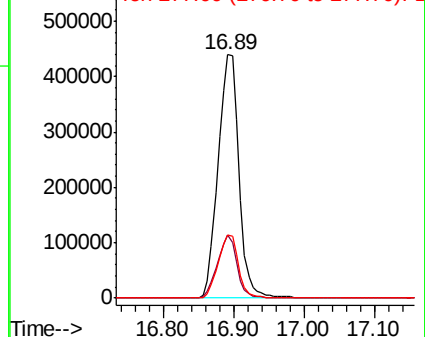
276 100

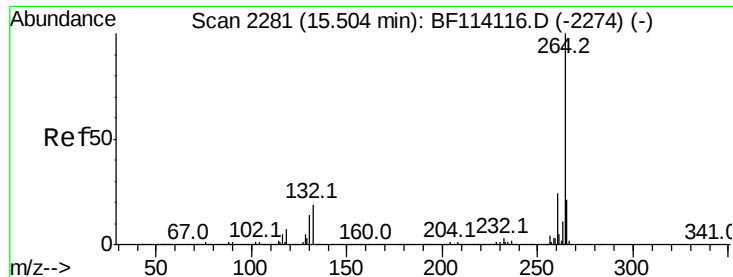
138 24.5 20.2 30.2

277 25.2 20.0 30.0



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: 15.43 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Instrument :

BNA_F

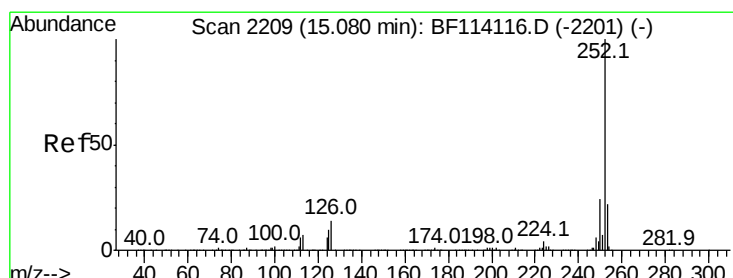
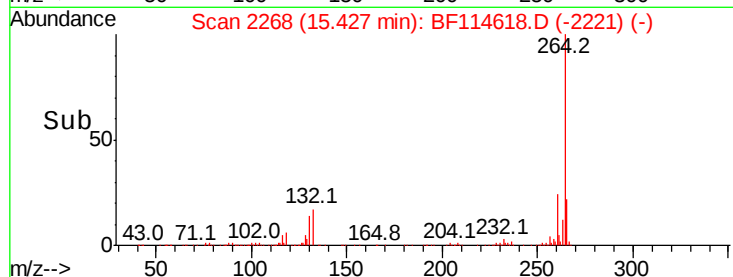
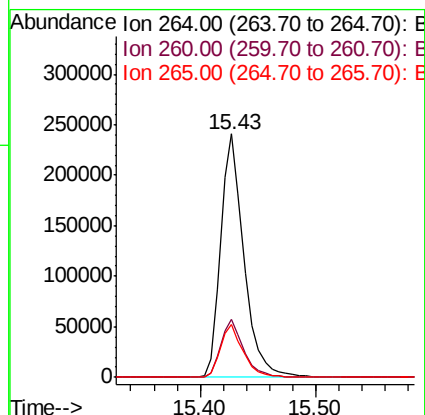
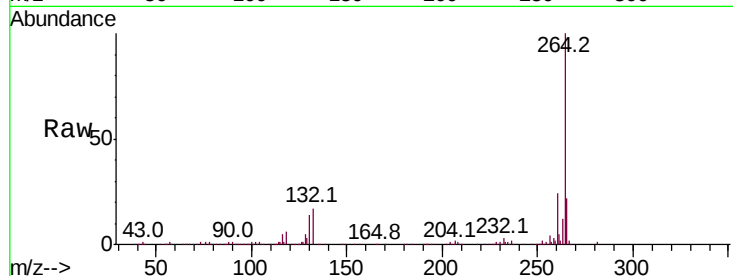
ClientSampleId :

PB119929BSD

Tot Ion:	264	Resp:	335681
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.0
265	21.7	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 47.793 ng

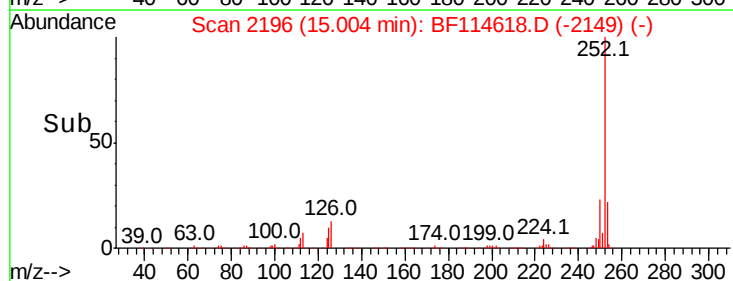
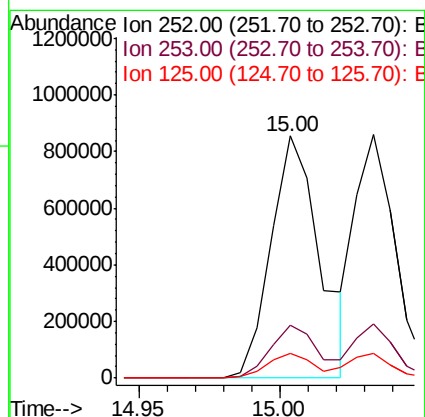
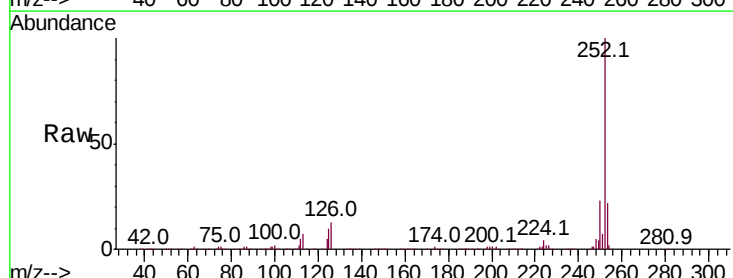
RT: 15.00 min Scan# 2196

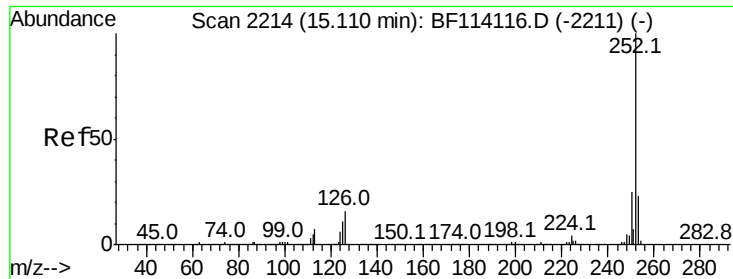
Delta R.T. -0.02 min

Lab File: BF114618.D

Acq: 25 May 2019 21:34

Tgt Ion:	252	Resp:	1027821
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.8
125	10.1	8.3	12.5





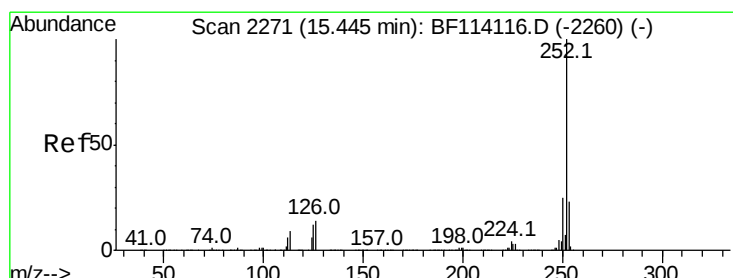
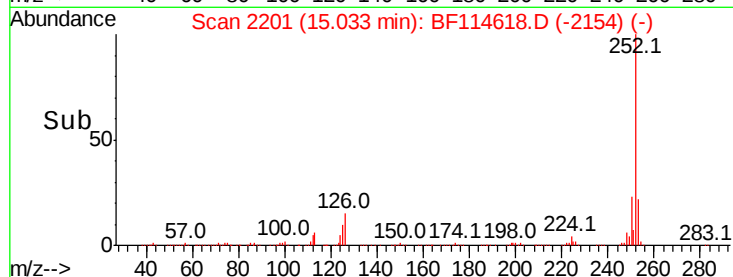
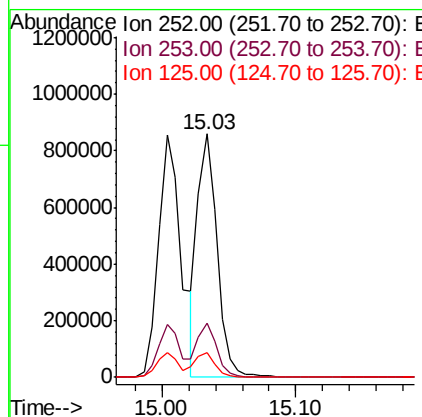
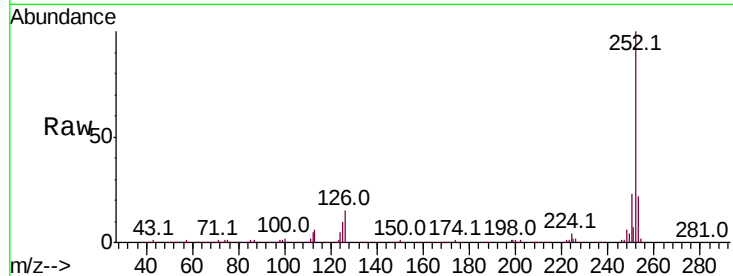
#89
Benzo(k)fluoranthene
Concen: 43.427 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	857912		
253	22.1	18.2	27.2	
125	10.0	8.6	13.0	

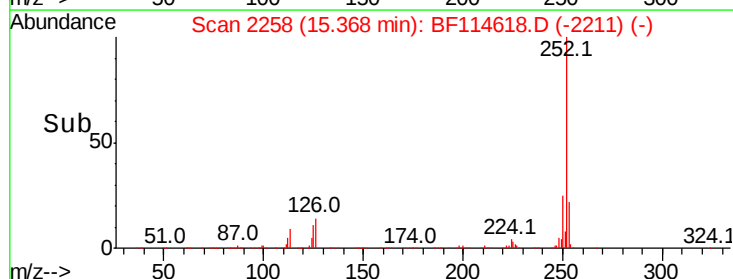
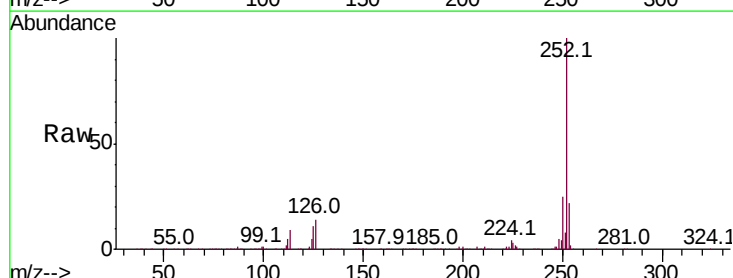
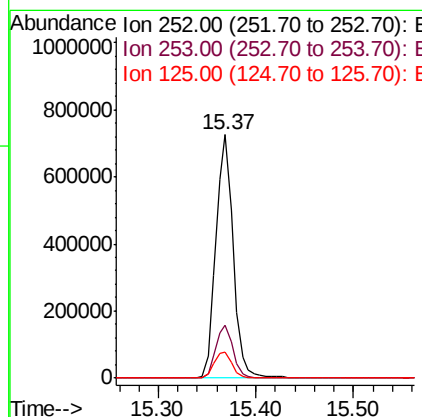
Manual Integrations
APPROVED

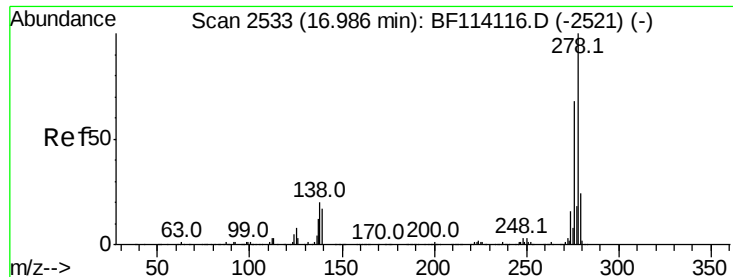
mohammad
5/27/2019 3:50:24 AM



#90
Benzo(a)pyrene
Concen: 47.251 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	894306		
253	21.8	18.1	27.1	
125	10.7	9.5	14.3	





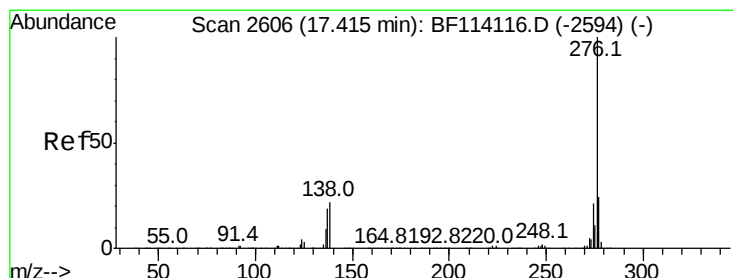
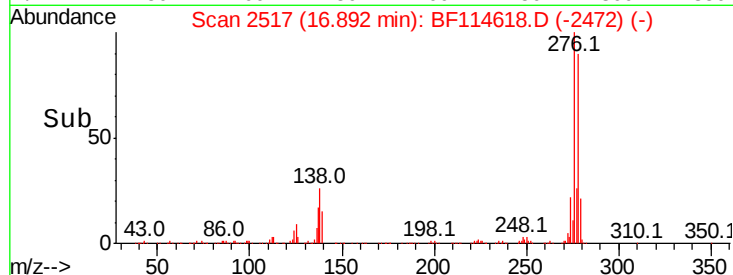
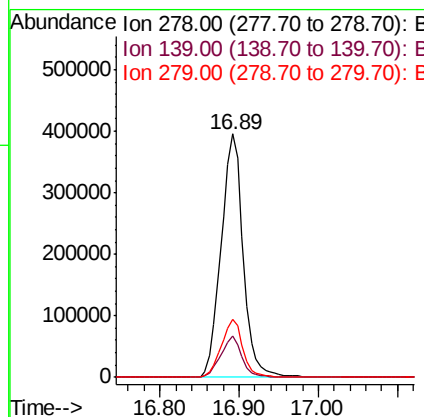
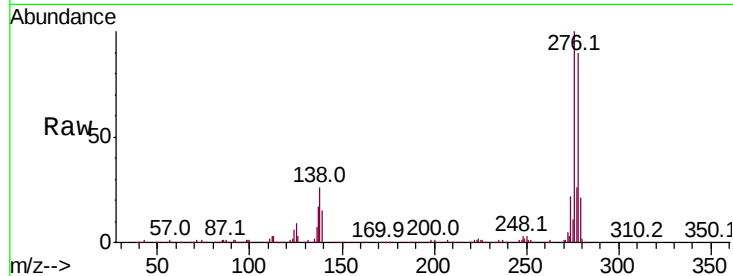
#91
Dibenzo(a,h)anthracene
Concen: 48.519 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.04 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Instrument :
BNA_F
ClientSampleId :
PB119929BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.5	20.3
279	23.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/27/2019 3:50:24 AM



#92
Benzo(g,h,i)perylene
Concen: 49.706 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.04 min
Lab File: BF114618.D
Acq: 25 May 2019 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	21.3	17.8	26.6

