

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105158.D
 Acq On : 8 May 2018 21:39
 Operator : JU/SJ
 Sample : J2133-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 08:31:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	203314	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	817054	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	401968	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	788441	20.00	ng	0.00
75) Chrysene-d12	14.01	240	668297	20.00	ng	0.00
86) Perylene-d12	15.56	264	586327	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1566928	126.97	ng	0.00
7) Phenol-d6	6.42	99	1879077	127.87	ng	0.00
23) Nitrobenzene-d5	7.36	82	1119035	92.82	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	603886	136.17	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2007268	77.51	ng	0.00
78) Terphenyl-d14	12.91	244	2270751	78.93	ng	0.00

Target Compounds				Qvalue		
6) Aniline	6.46	93	44017	2.05	ng	96
8) 2-Chlorophenol	6.57	128	29063	2.22	ng	92
11) bis(2-Chloroethyl)ether	6.53	93	30582	2.27	ng	91
12) 1,3-Dichlorobenzene	6.73	146	36741	2.33	ng	96
13) 1,4-Dichlorobenzene	6.81	146	36529	2.31	ng	97
14) 1,2-Dichlorobenzene	6.96	146	34126	2.34	ng	96
15) Benzyl Alcohol	6.93	79	25465	2.26	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.07	45	52701	2.10	ng	97
17) 2-Methylphenol	7.03	107	24153	2.14	ng	95
18) Hexachloroethane	7.30	117	11421	2.25	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	21013	2.16	ng	91
20) 3+4-Methylphenols	7.19	107	31526	2.37	ng	92
22) Acetophenone	7.20	105	47106	2.47	ng	# 97
24) Nitrobenzene	7.37	77	35235	2.58	ng	98
26) 2-Nitrophenol	7.69	139	9119	11.25	ng	# 94
28) bis(2-Chloroethoxy)methane	7.82	93	35155	2.11	ng	99
30) 1,2,4-Trichlorobenzene	8.01	180	29657	2.29	ng	94
31) Naphthalene	8.09	128	91734	2.33	ng	99
32) Benzoic acid	7.76	122	7467	10.18	ng	91
33) 4-Chloroaniline	8.14	127	33389	2.04	ng	95
34) Hexachlorobutadiene	8.21	225	17870	2.39	ng	96
37) 2-Methylnaphthalene	8.78	142	61295	2.24	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	30960	2.42	ng	# 97
43) 2,4,5-Trichlorophenol	9.09	196	17036	2.09	ng	92
45) 1,1'-Biphenyl	9.25	154	88443	2.70	ng	97
46) 2-Chloronaphthalene	9.27	162	59571	2.43	ng	97
47) 2-Nitroaniline	9.36	65	11092	7.18	ng	86
48) Acenaphthylene	9.69	152	89448	2.37	ng	100
49) Dimethylphthalate	9.54	163	67094	2.47	ng	99
51) Acenaphthene	9.86	154	60703	2.49	ng	97
53) 2,4-Dinitrophenol	9.87	184	1353	10.19	ng	# 26
54) Dibenzofuran	10.03	168	85473	2.40	ng	98
55) 4-Nitrophenol	9.92	139	7252	5.53	ng	94
56) 2,4-Dinitrotoluene	10.00	165	12401	5.07	ng	98

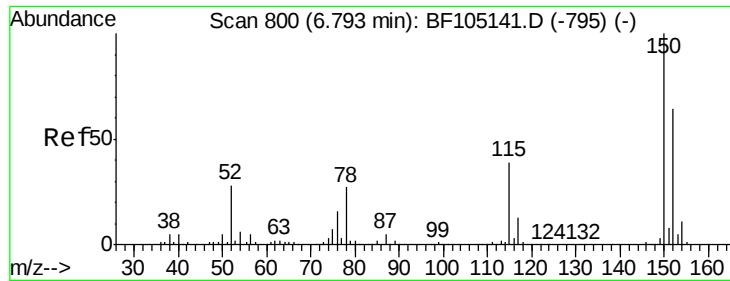
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105158.D
 Acq On : 8 May 2018 21:39
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 Sample : J2133-03
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) Fluorene	10.37	166	67335	2.58	nq	99
59) Diethylphthalate	10.25	149	63887	2.39	nq	98
60) 4-Chlorophenyl-phenylether	10.37	204	32428	2.67	nq	91
62) Azobenzene	10.53	77	61032	2.19	nq	94
64) 4,6-Dinitro-2-methylphenol	10.41	198	3235	9.91	nq	97
65) n-Nitrosodiphenylamine	10.49	169	54414	2.21	nq	93
66) 4-Bromophenyl-phenylether	10.86	248	18596	2.21	nq	# 88
67) Hexachlorobenzene	10.92	284	22506	2.32	nq	# 83
69) Pentachlorophenol	11.11	266	9171	4.76	nq	95
70) Phenanthrene	11.33	178	101841	2.45	nq	97
71) Anthracene	11.39	178	98170	2.32	nq	98
72) Carbazole	11.54	167	88185	2.32	nq	97
73) Di-n-butylphthalate	11.88	149	82647	2.03	nq	98
74) Fluoranthene	12.52	202	97990	2.26	nq	97
77) Pyrene	12.75	202	104763	2.16	nq	97
79) Butylbenzylphthalate	13.40	149	21851	7.96	nq	# 97
80) Benzo(a)anthracene	14.00	228	86382	2.13	nq	99
82) Chrysene	14.03	228	93919	2.25	nq	98
84) Di-n-octyl phthalate	14.69	149	38811	7.79	nq	# 92
88) Benzo(k)fluoranthene	15.16	252	74006	2.13	nq	# 95

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

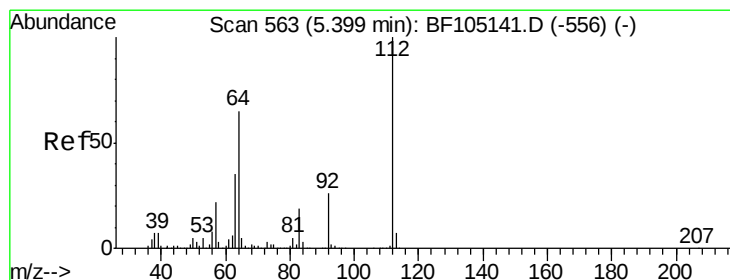
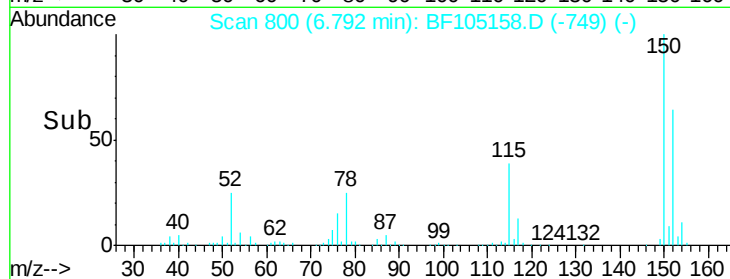
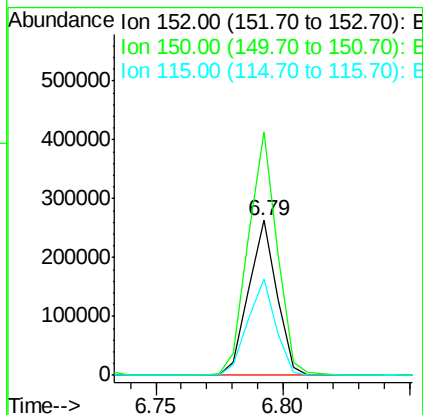
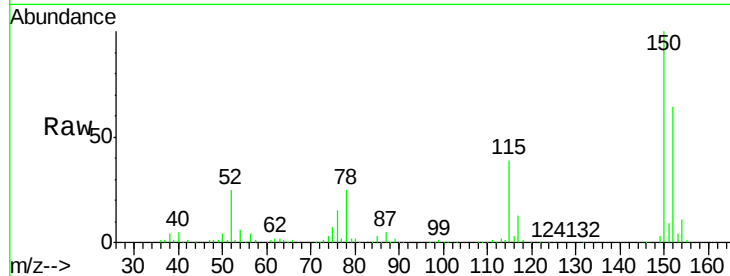


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampled :

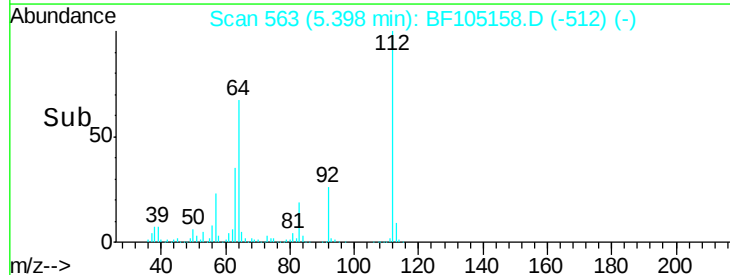
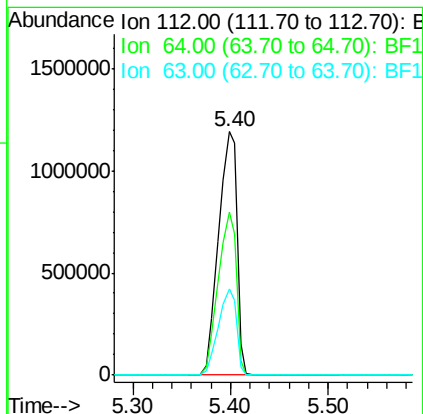
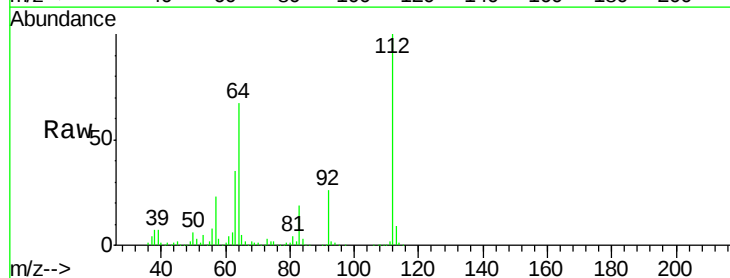
Tot Ion:152 Resp: 203314
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 62.0 50.1 75.1

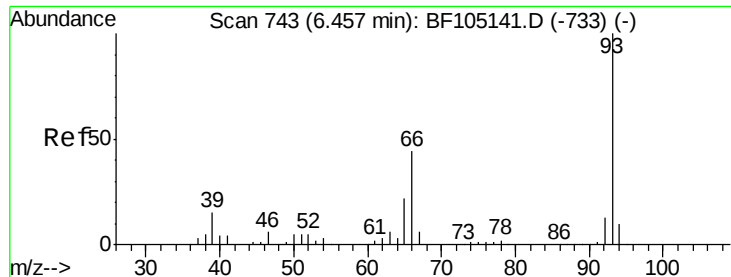


#5

2-Fluorophenol
Concen: 126.97 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:112 Resp: 1566928
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 35.2 23.7 35.5





#6

Aniline

Concen: 2.05 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

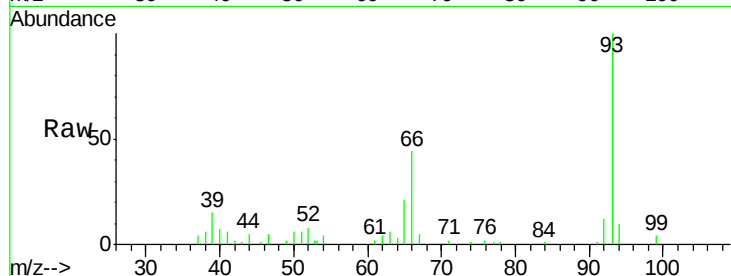
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 93 Resp: 44017

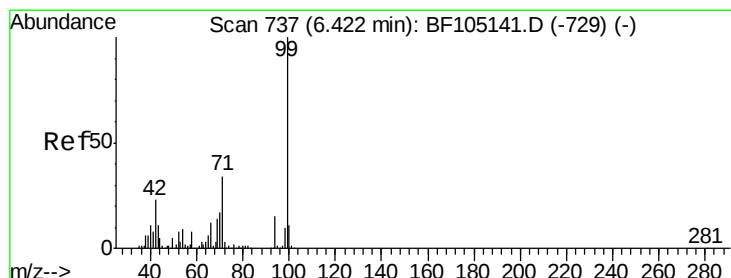
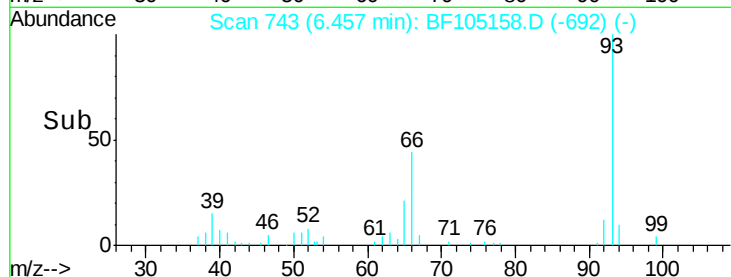
Ion	Ratio	Lower	Upper
93	100		
66	43.9	32.2	48.2
65	21.1	16.4	24.6



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: 127.87 ng

RT: 6.42 min Scan# 737

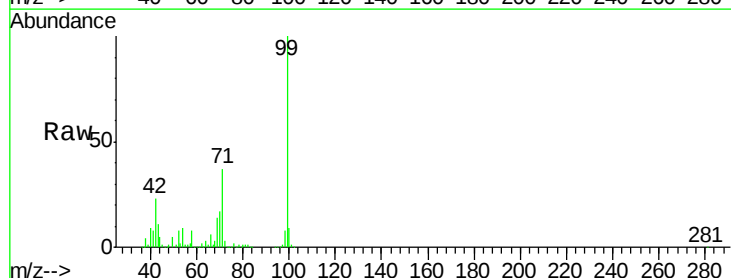
Delta R.T. -0.00 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Tgt Ion: 99 Resp: 1879077

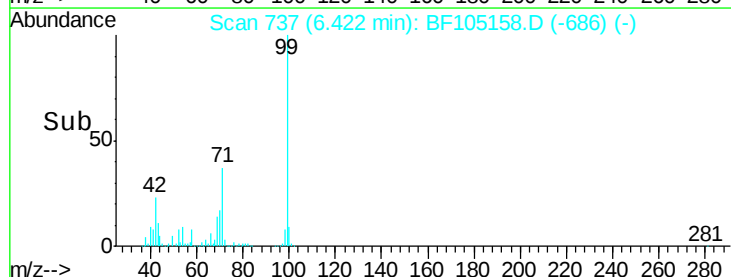
Ion	Ratio	Lower	Upper
99	100		
42	22.9	14.5	21.7#
71	36.6	25.4	38.0

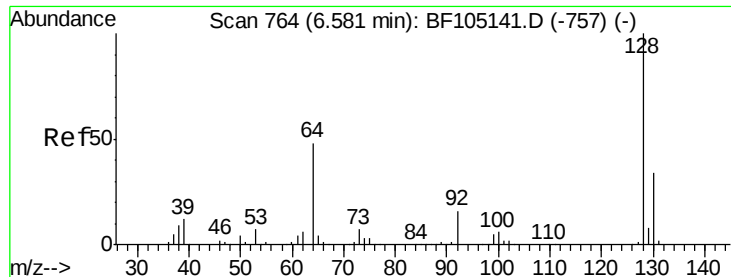


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

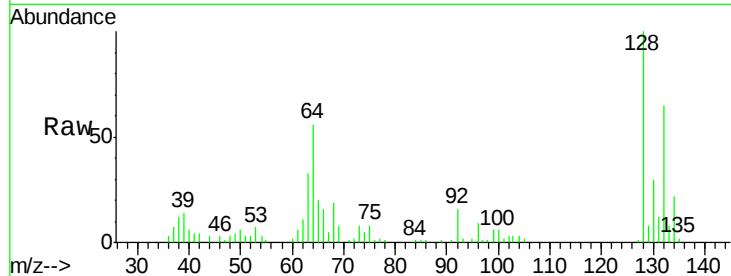




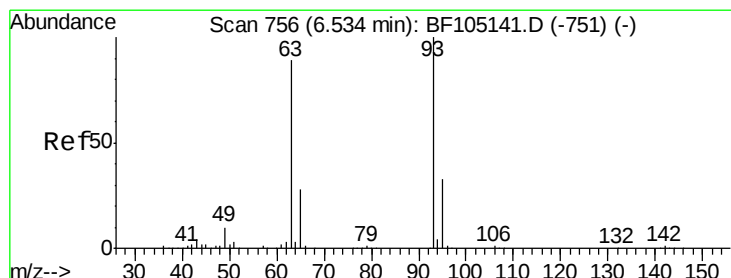
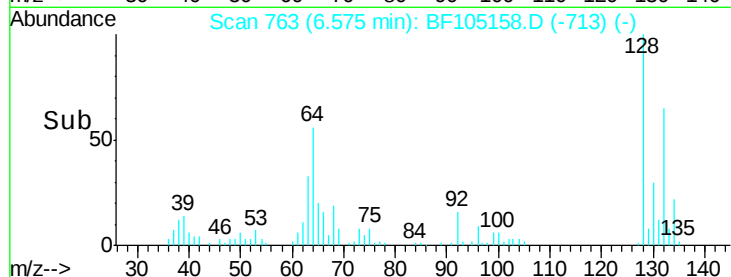
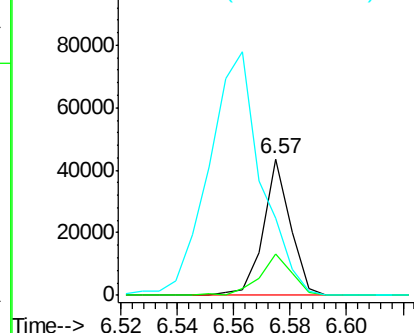
#8
 2-Chlorophenol
 Concen: 2.22 ng
 RT: 6.57 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:128 Resp: 29063
 Ion Ratio Lower Upper
 128 100
 130 29.9 13.0 53.0
 64 56.3 29.4 69.4

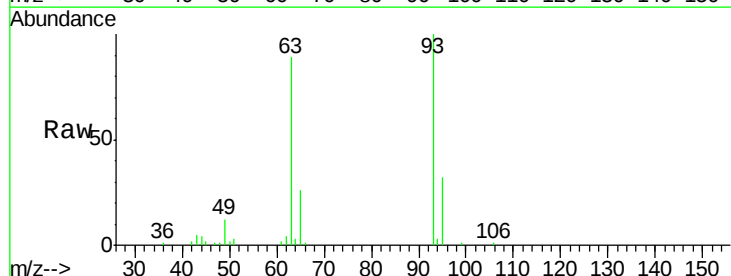


Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 64.00 (63.70 to 64.70): BF1

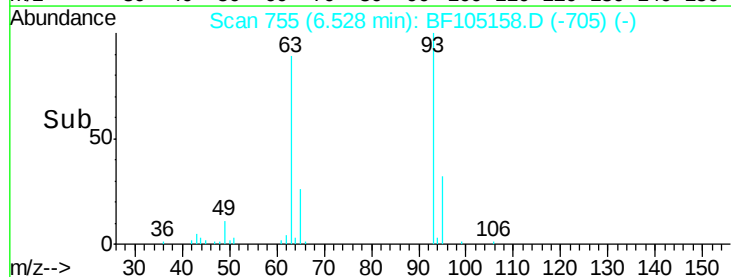
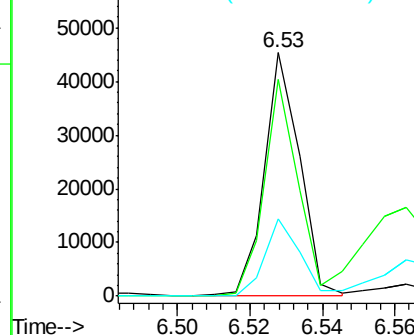


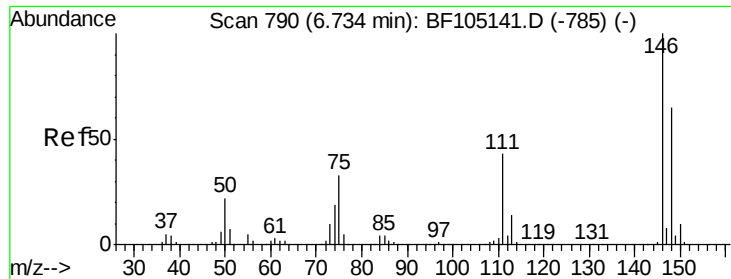
#11
 bis(2-Chloroethyl)ether
 Concen: 2.27 ng
 RT: 6.53 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion: 93 Resp: 30582
 Ion Ratio Lower Upper
 93 100
 63 89.0 58.6 98.6
 95 31.9 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1

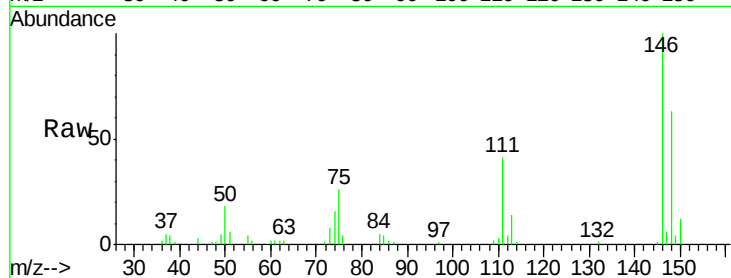




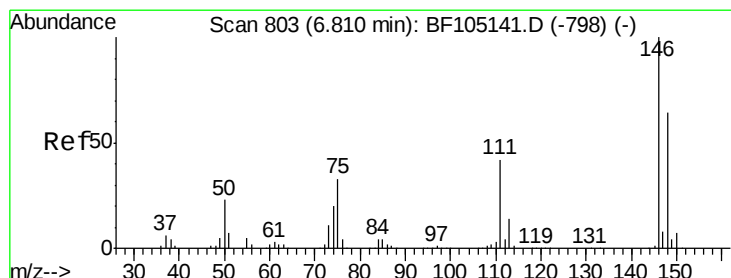
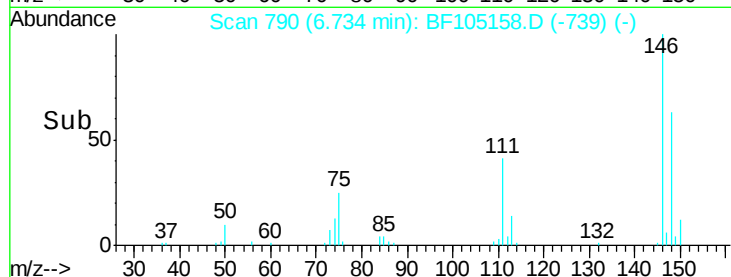
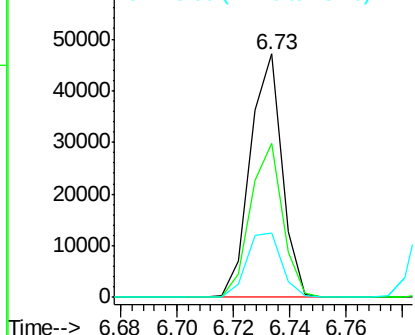
#12
 1,3-Dichlorobenzene
 Concen: 2.33 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 36741
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.8 77.8
 75 26.5 24.2 36.4

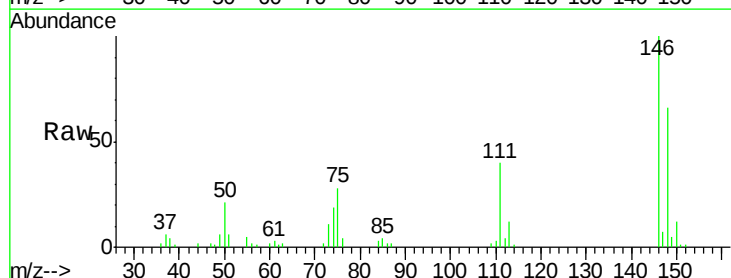


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

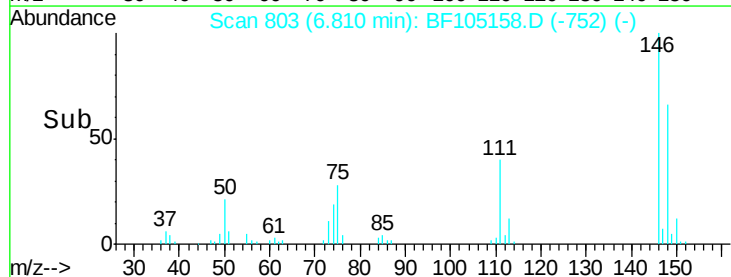
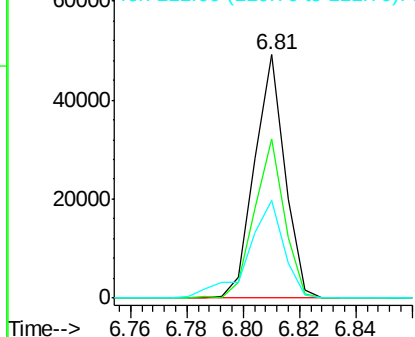


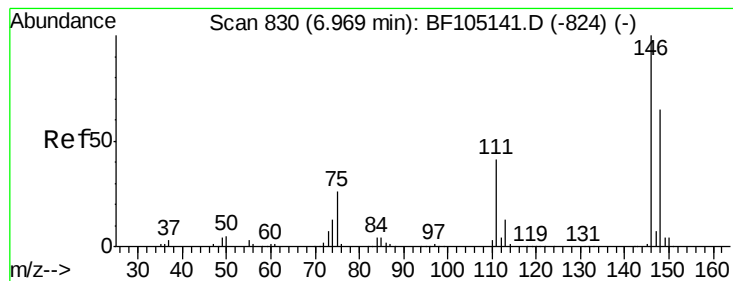
#13
 1,4-Dichlorobenzene
 Concen: 2.31 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion:146 Resp: 36529
 Ion Ratio Lower Upper
 146 100
 148 65.6 50.8 76.2
 111 40.1 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 2.34 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

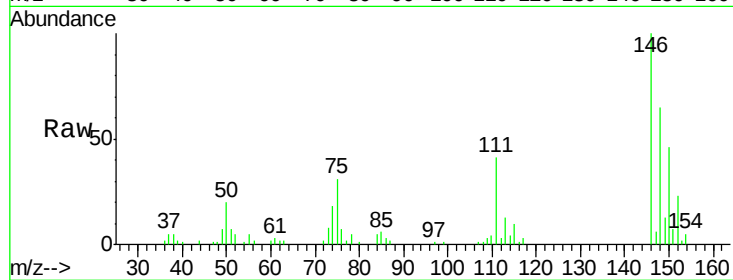
Tot Ion:146 Resp: 34126

Ion Ratio Lower Upper

146 100

148 64.5 50.6 75.8

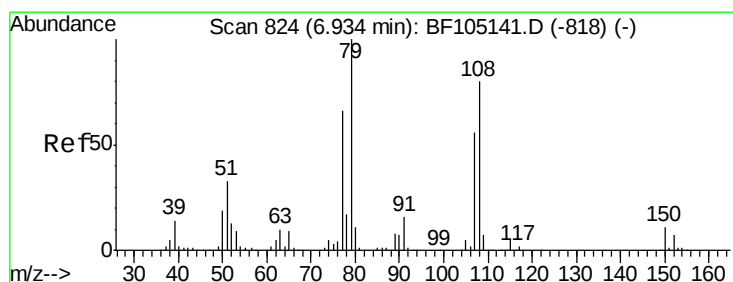
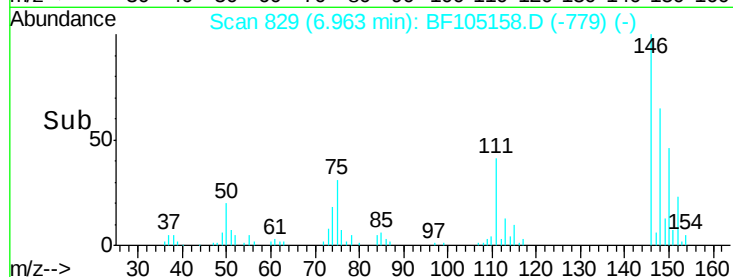
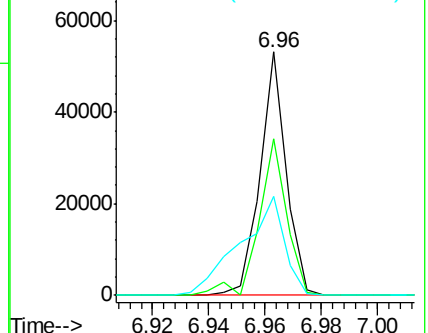
111 40.8 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

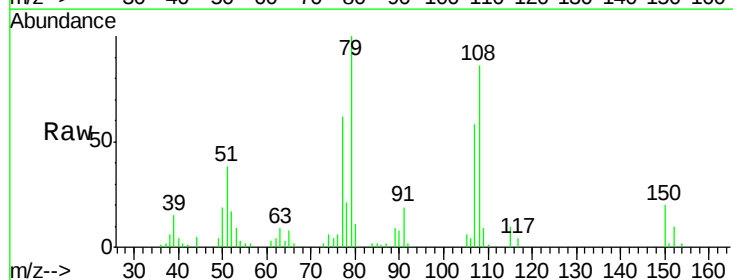
Tgt Ion: 79 Resp: 25465

Ion Ratio Lower Upper

79 100

108 85.7 65.1 97.7

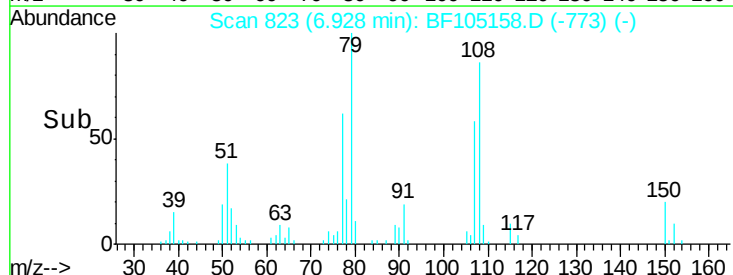
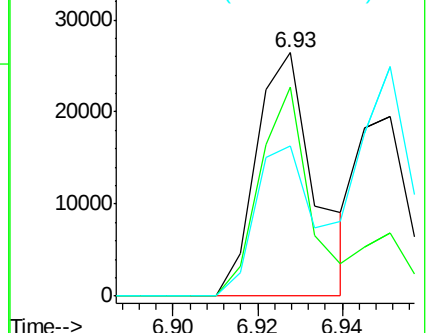
77 61.7 50.6 75.8

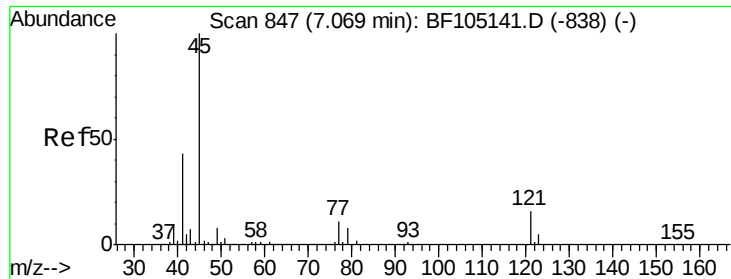


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

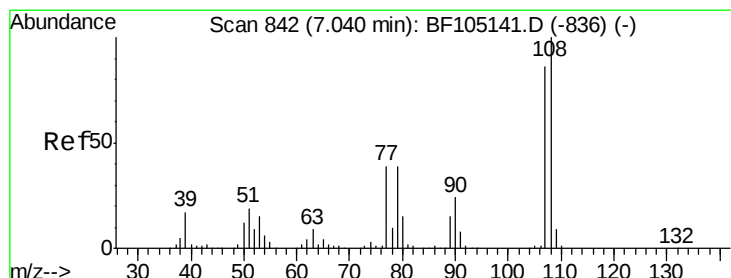
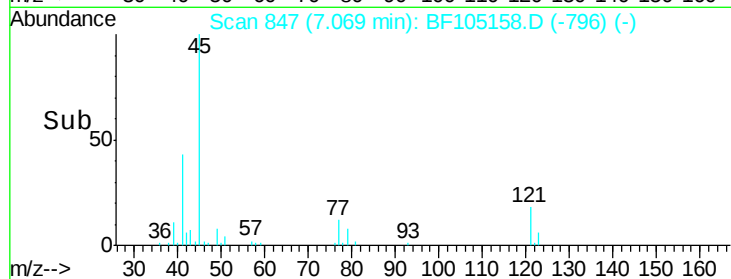
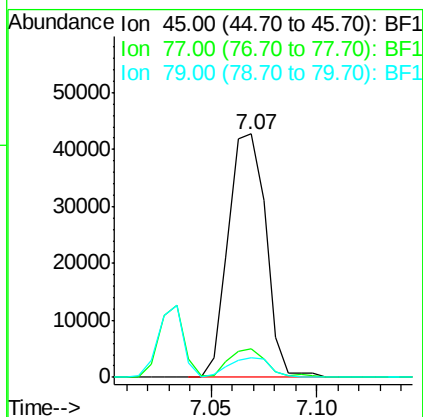
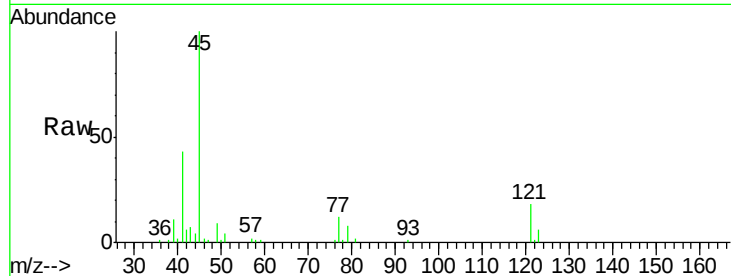




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 2.10 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

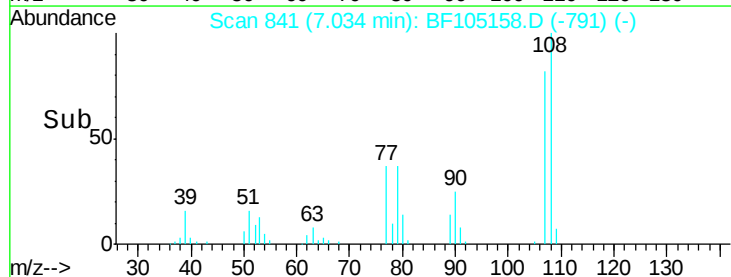
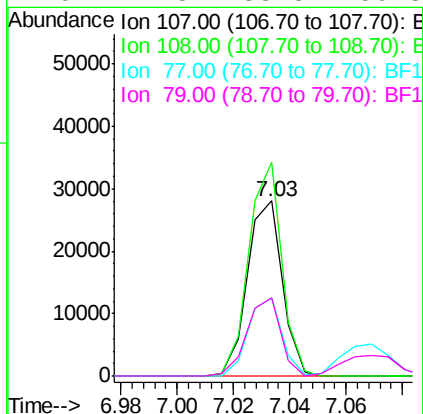
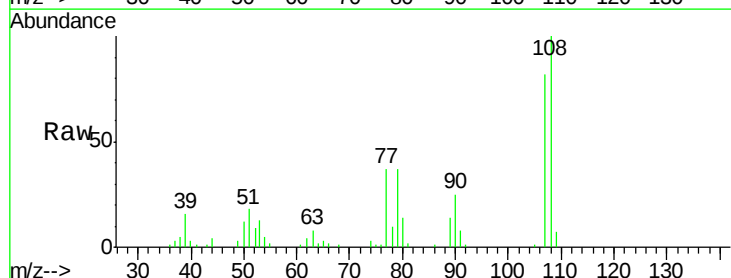
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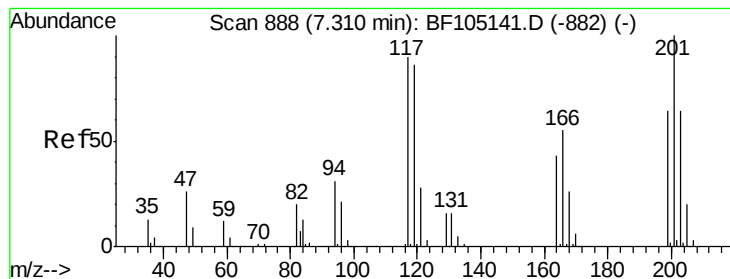
Tot Ion: 45 Resp: 52701
 Ion Ratio Lower Upper
 45 100
 77 11.9 0.0 32.9
 79 7.9 0.0 29.6



#17
 2-Methylphenol
 Concen: 2.14 ng
 RT: 7.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion: 107 Resp: 24153
 Ion Ratio Lower Upper
 107 100
 108 121.8 91.7 137.5
 77 44.7 33.8 50.8
 79 44.8 33.8 50.8





#18

Hexachloroethane

Concen: 2.25 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

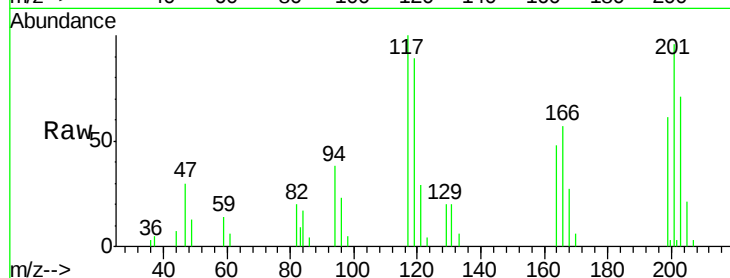
Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampled :



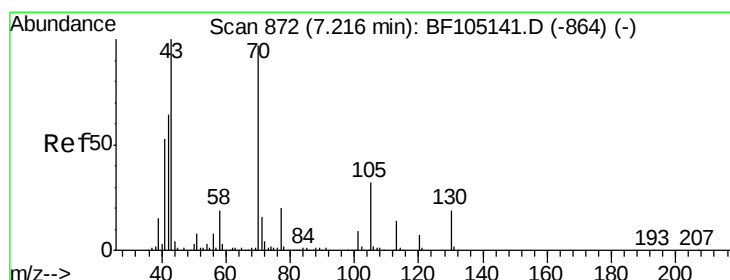
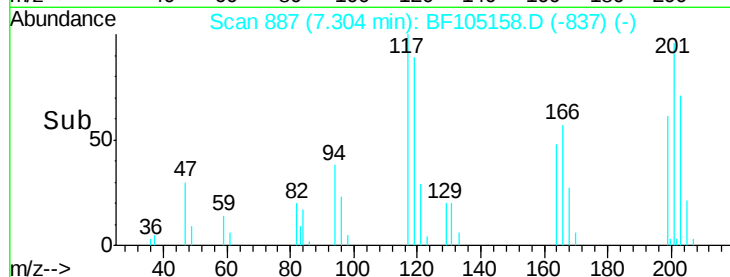
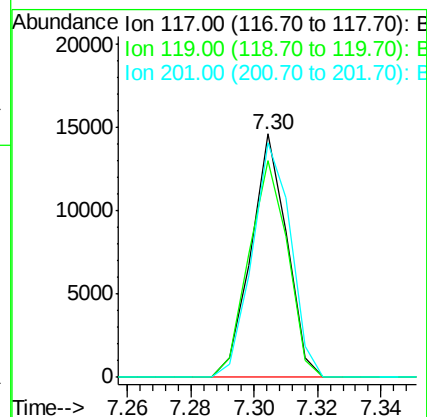
Tot Ion:117 Resp: 11421

Ion Ratio Lower Upper

117 100

119 89.1 75.8 113.8

201 96.5 75.7 113.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.16 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Tgt Ion: 70 Resp: 21013

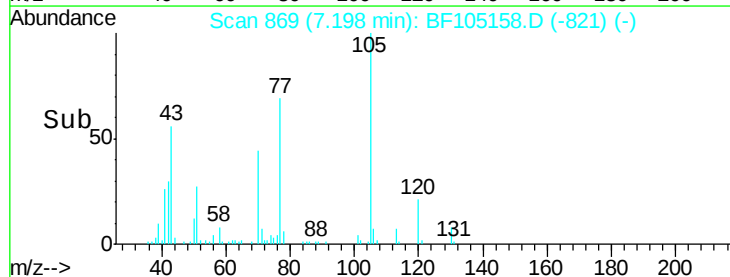
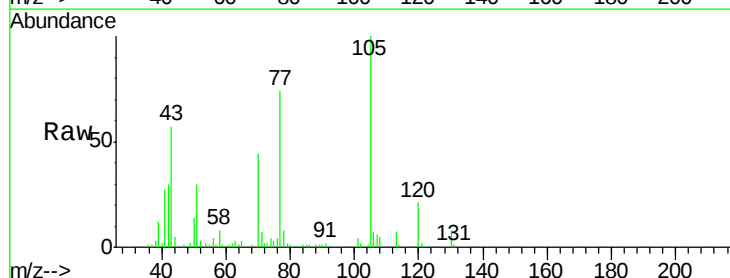
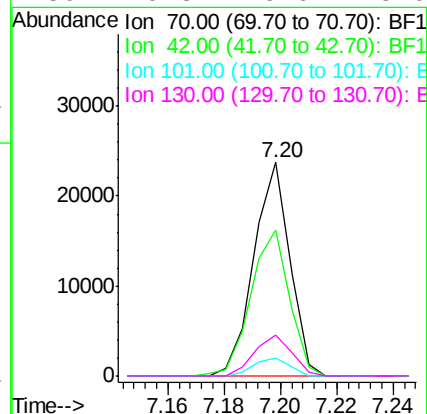
Ion Ratio Lower Upper

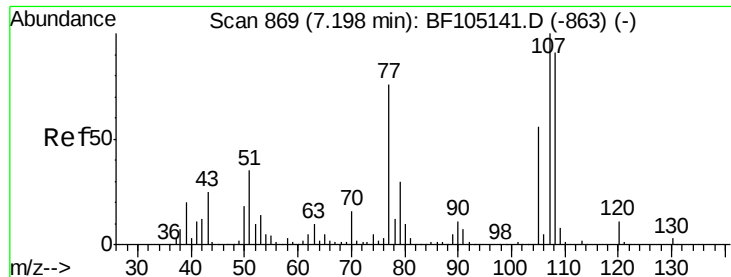
70 100

42 68.2 47.5 71.3

101 8.6 7.4 11.2

130 19.3 16.6 25.0

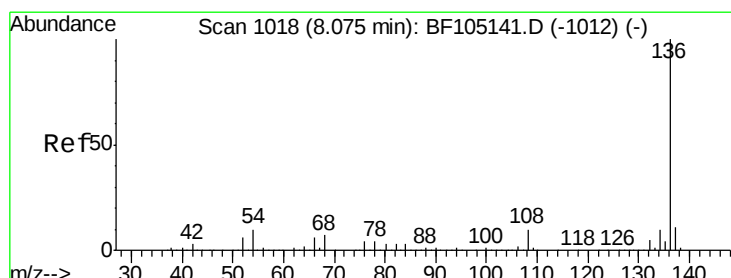
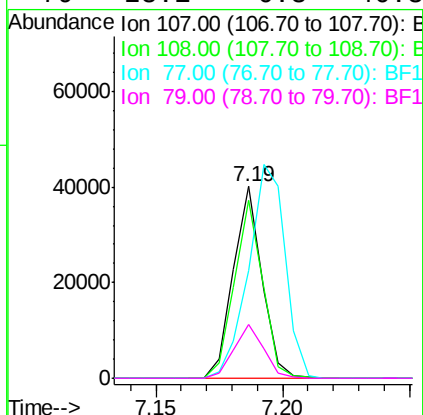
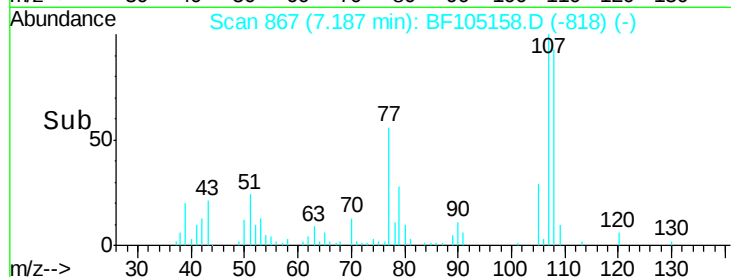
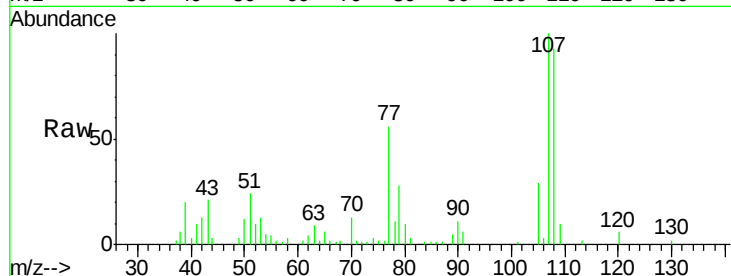




#20
3+4-Methylphenols
Concen: 2.37 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

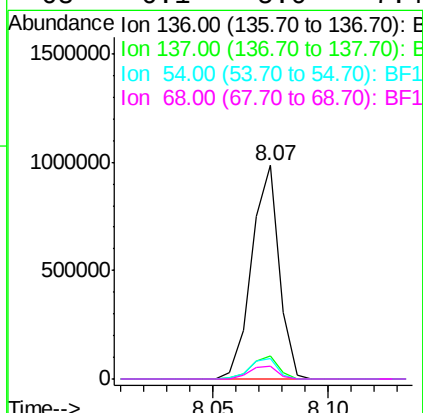
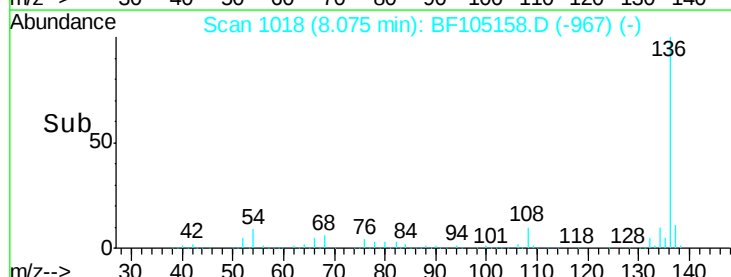
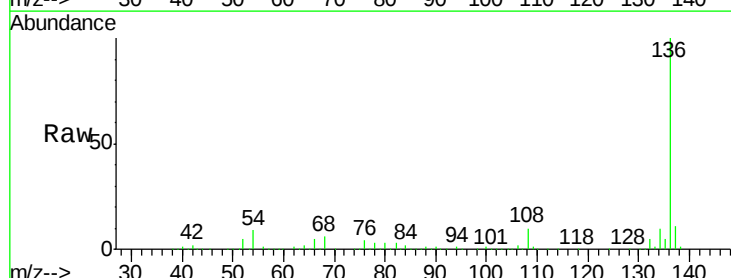
Instrument :
BNA_F
ClientSampleId :

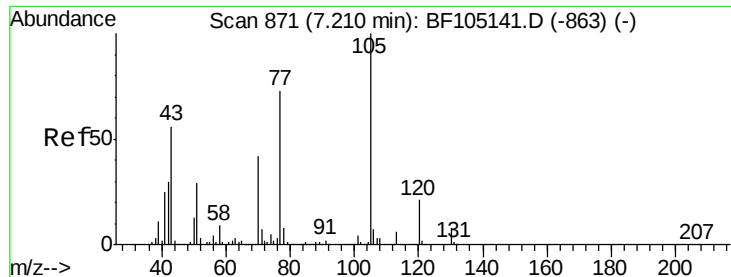
Tot Ion:	107	Resp:	31526
Ion	Ratio	Lower	Upper
107	100		
108	93.0	68.2	108.2
77	56.2	26.7	66.7
79	28.1	6.3	46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:	136	Resp:	817054
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	6.6	9.8
68	6.1	5.0	7.4





#22

Acetophenone

Concen: 2.47 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

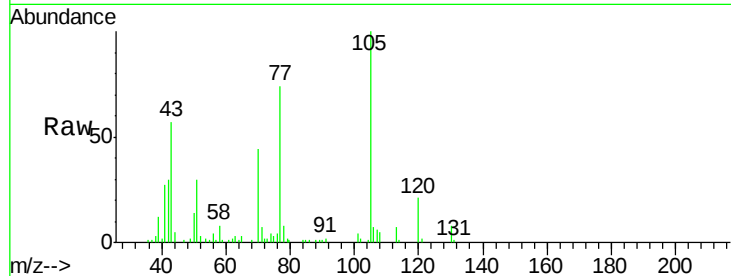
Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 47106

Ion Ratio Lower Upper

105 100

71 7.2 4.4 6.6#

51 30.1 22.3 33.5

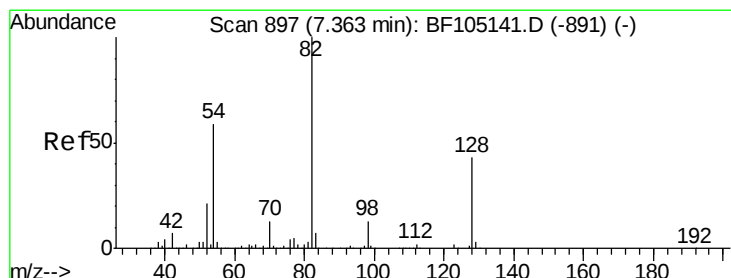
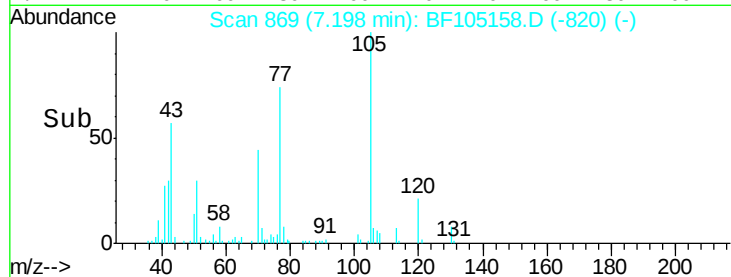
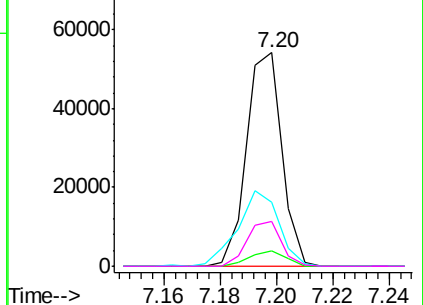
120 21.3 16.9 25.3

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 92.82 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Tgt Ion: 82 Resp: 1119035

Ion Ratio Lower Upper

82 100

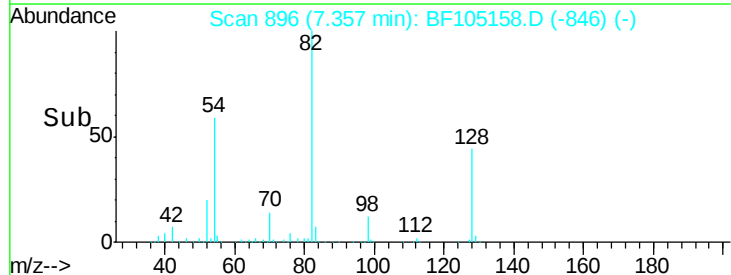
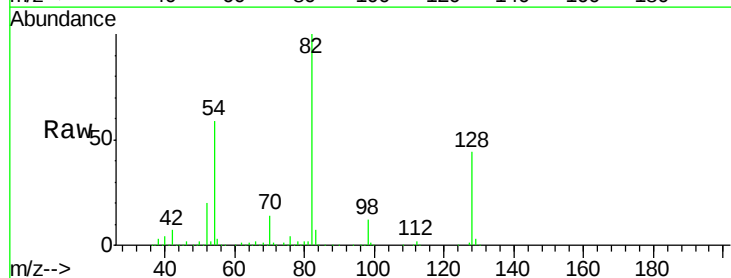
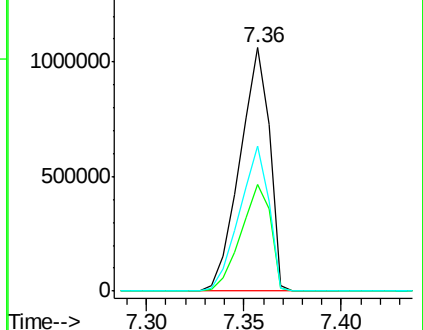
128 43.6 36.1 54.1

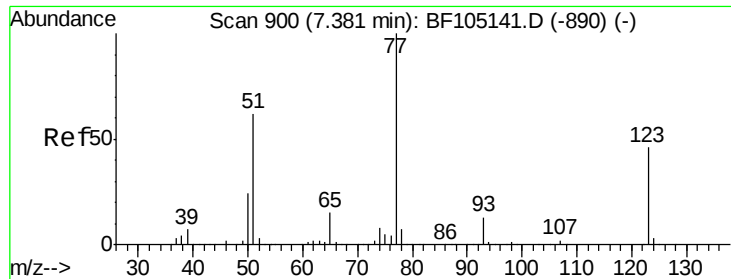
54 59.4 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 2.58 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

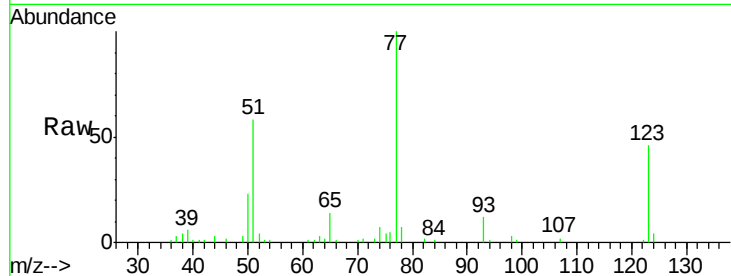
Tot Ion: 77 Resp: 35235

Ion Ratio Lower Upper

77 100

123 46.1 37.9 56.9

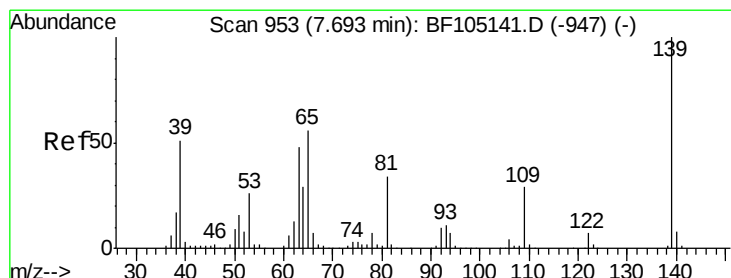
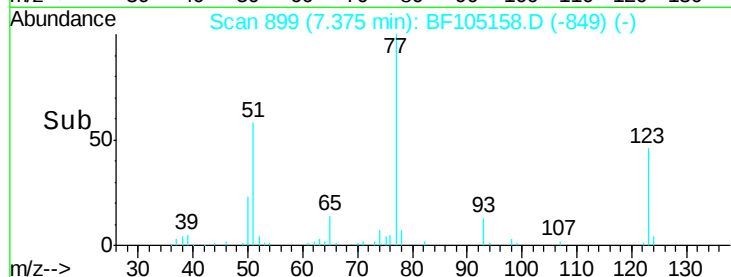
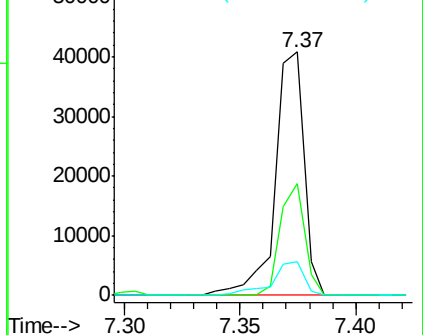
65 13.8 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#26

2-Nitrophenol

Concen: 11.25 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

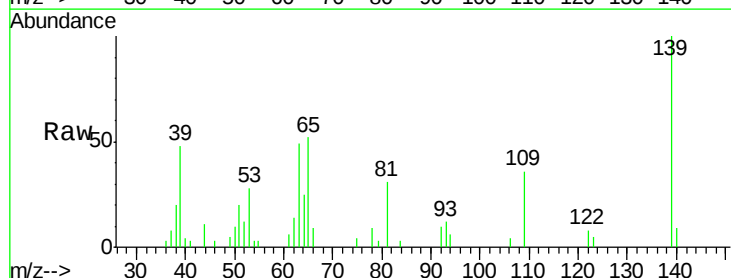
Tgt Ion: 139 Resp: 9119

Ion Ratio Lower Upper

139 100

109 35.7 22.7 34.1#

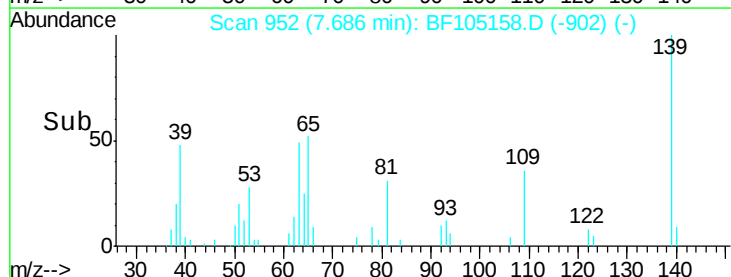
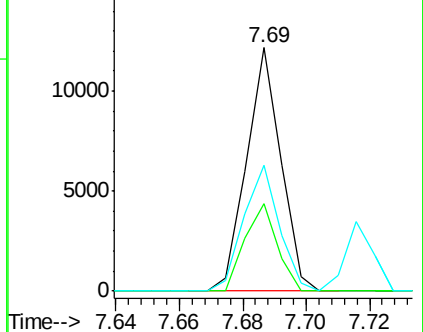
65 51.9 40.5 60.7

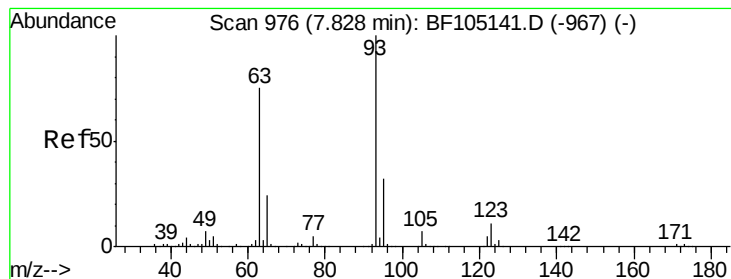


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#28

bis(2-Chloroethoxy)methane

Concen: 2.11 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

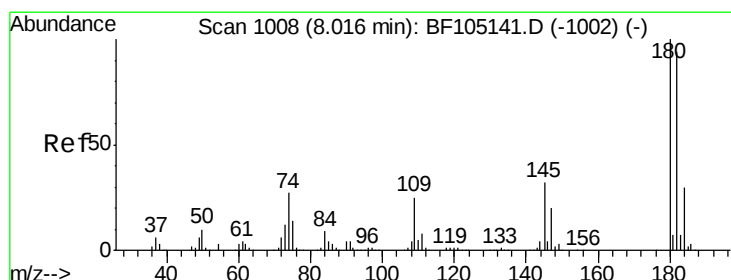
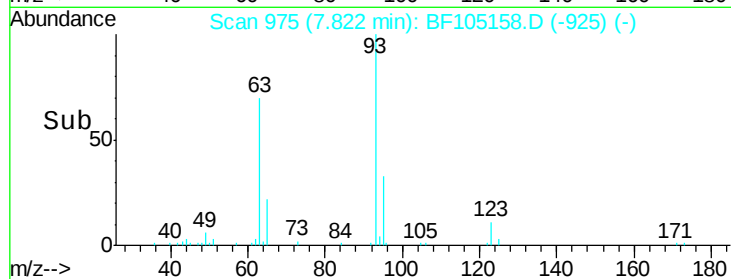
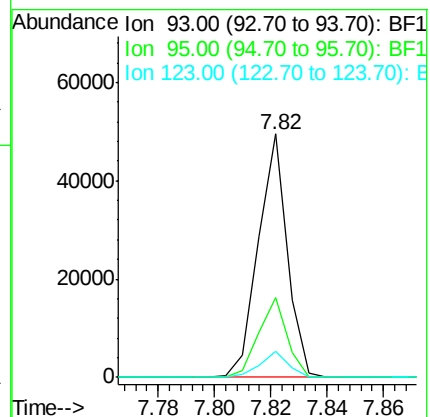
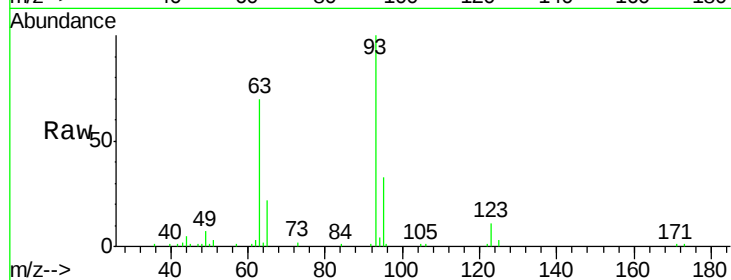
Tot Ion: 93 Resp: 35155

Ion Ratio Lower Upper

93 100

95 32.8 26.3 39.5

123 10.5 9.8 14.6



#30

1,2,4-Trichlorobenzene

Concen: 2.29 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

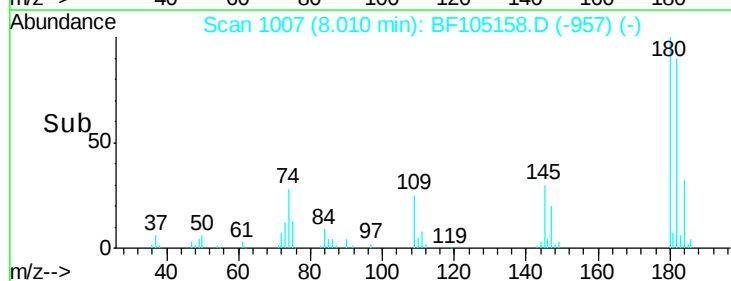
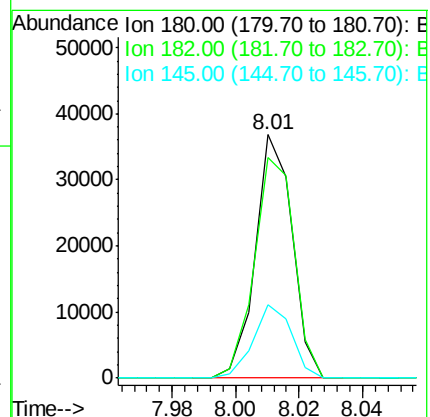
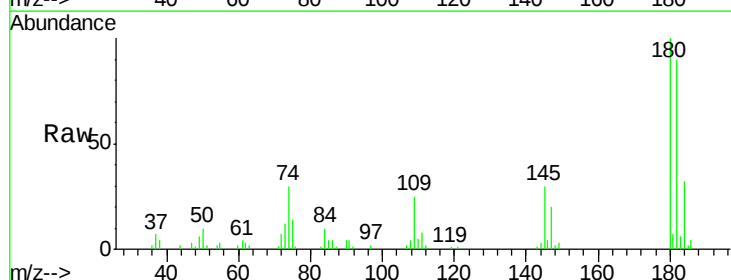
Tgt Ion: 180 Resp: 29657

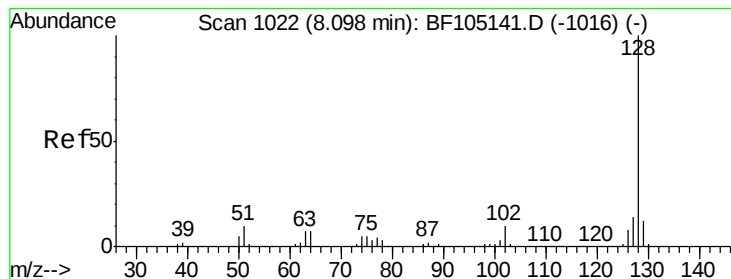
Ion Ratio Lower Upper

180 100

182 90.5 76.8 115.2

145 30.2 26.5 39.7





#31

Naphthalene

Concen: 2.33 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

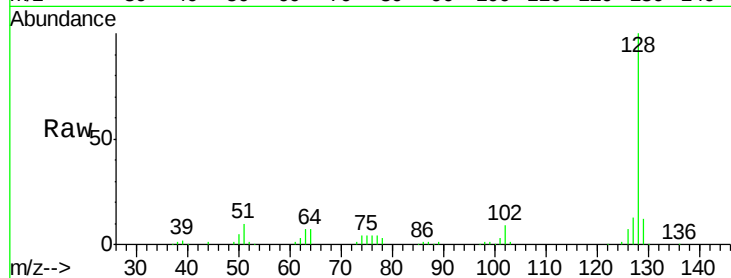
Tot Ion:128 Resp: 91734

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

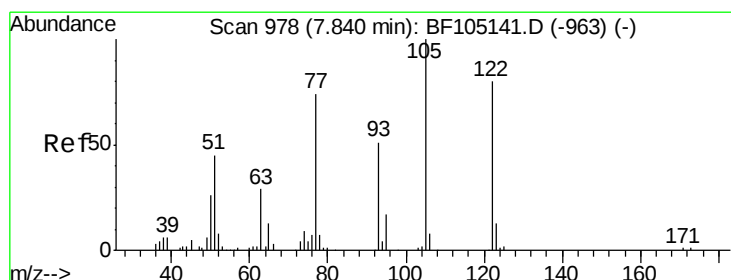
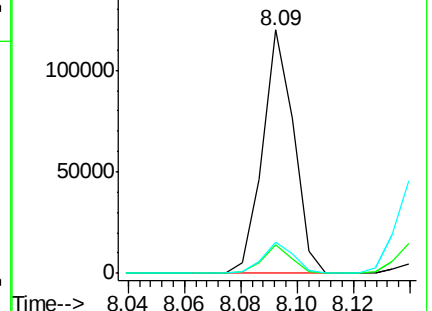
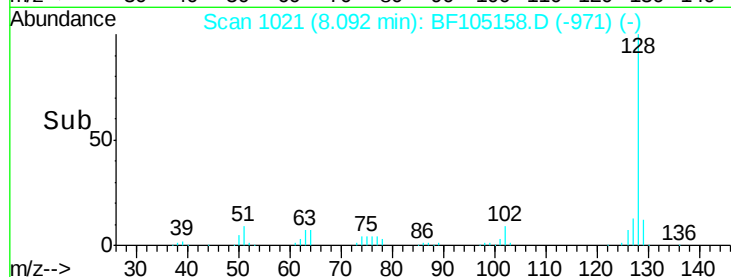
127 13.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.18 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.08 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

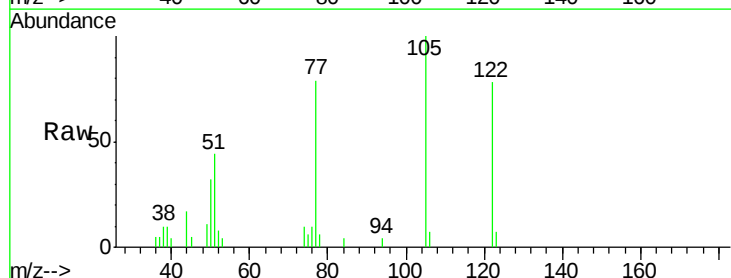
Tgt Ion:122 Resp: 7467

Ion Ratio Lower Upper

122 100

105 128.8 101.1 141.1

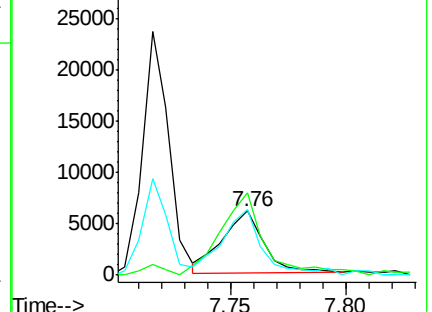
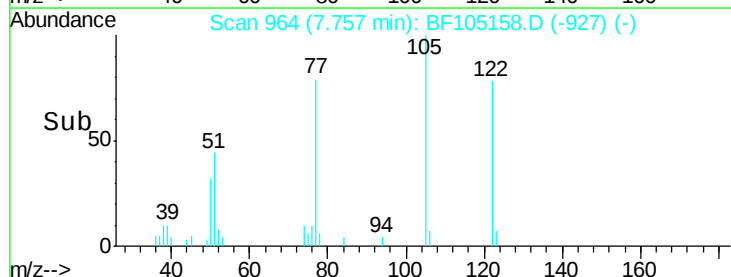
77 102.3 70.7 110.7

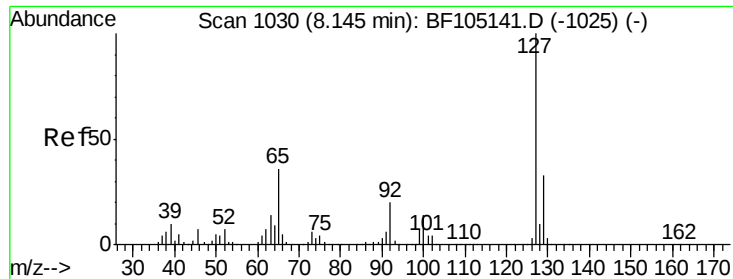


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

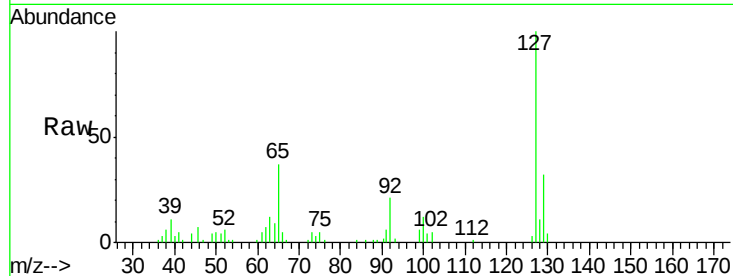




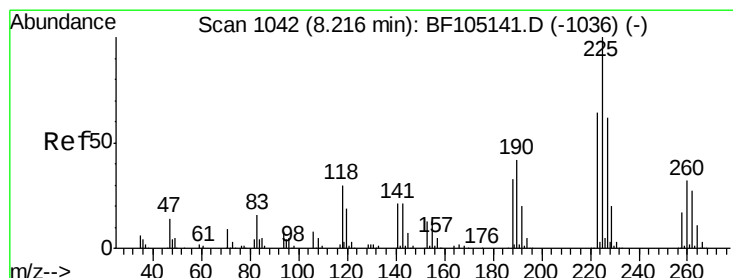
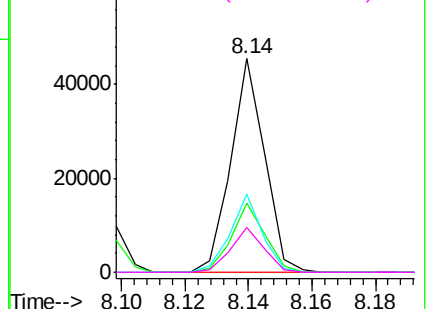
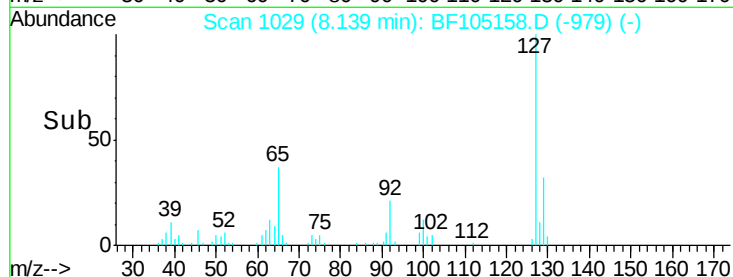
#33
4-Chloroaniline
Concen: 2.04 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	33389
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	36.6	25.0	37.4
92	21.0	15.2	22.8

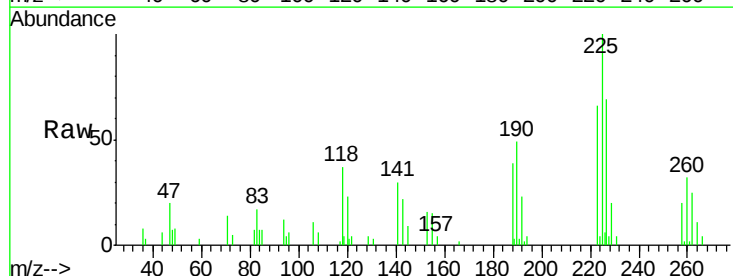


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

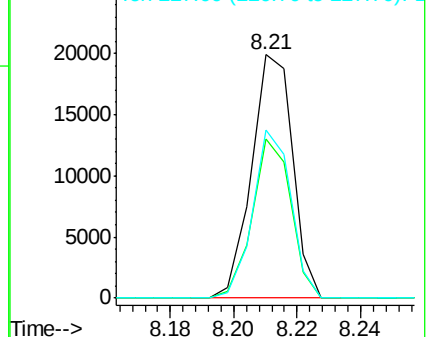
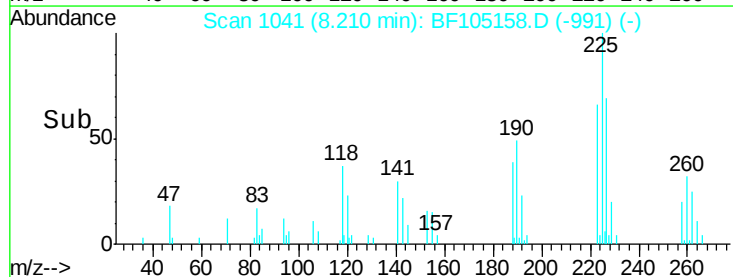


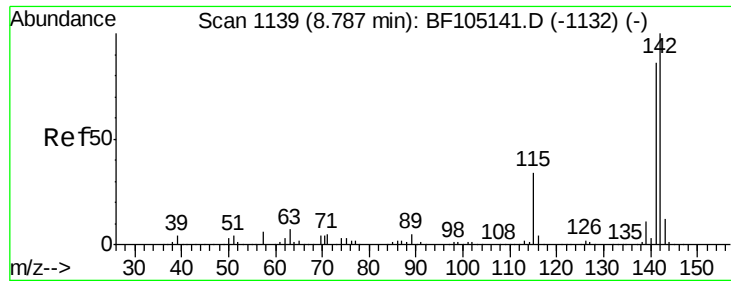
#34
Hexachlorobutadiene
Concen: 2.39 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:	225	Resp:	17870
Ion	Ratio	Lower	Upper
225	100		
223	65.6	50.6	76.0
227	68.9	51.9	77.9



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

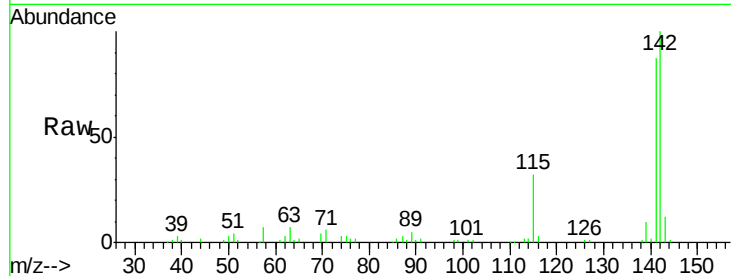




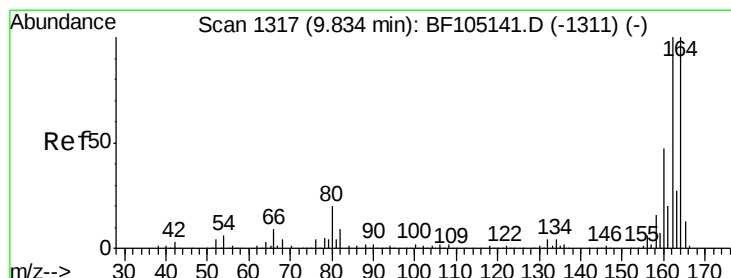
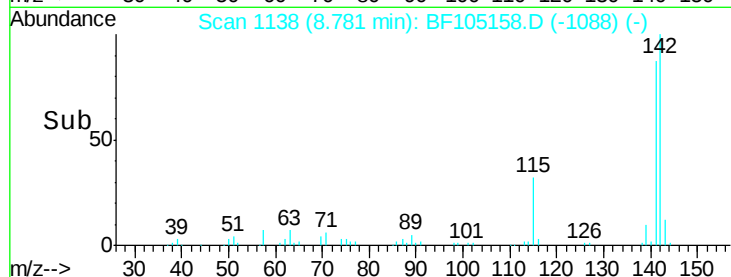
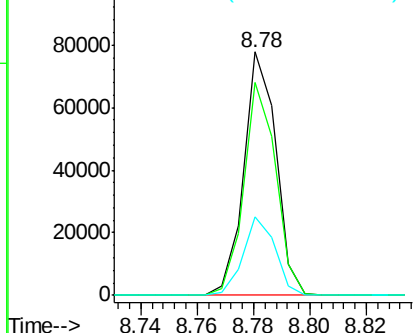
#37
2-Methylnaphthalene
Concen: 2.24 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 61295
Ion Ratio Lower Upper
142 100
141 87.4 70.8 106.2
115 32.4 26.1 39.1

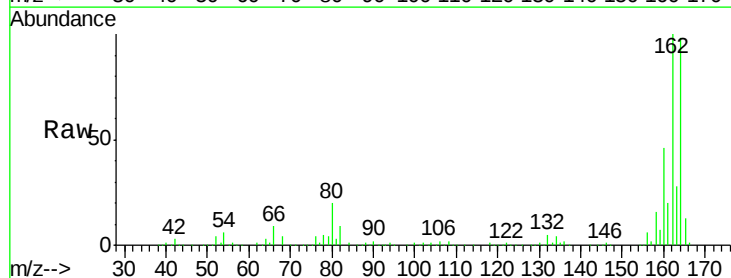


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

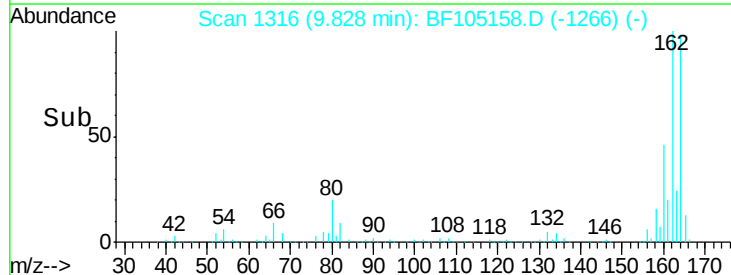
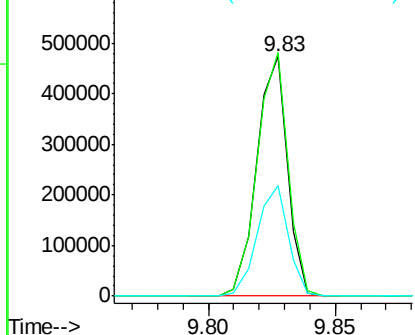


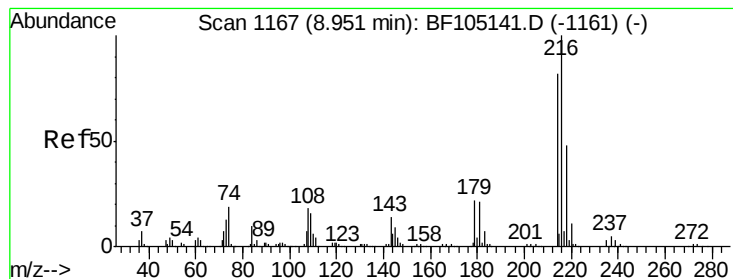
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:164 Resp: 401968
Ion Ratio Lower Upper
164 100
162 101.7 86.1 129.1
160 46.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.42 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF105158.D

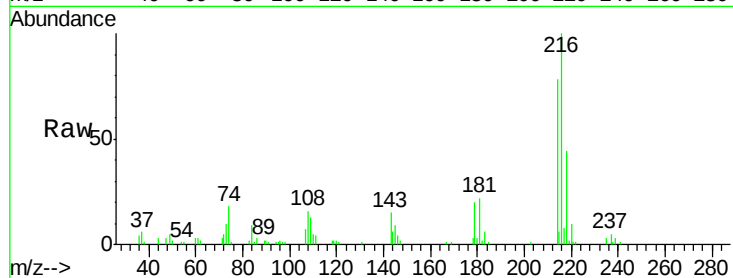
Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	216	Resp:	30960
Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.4
179	21.5	18.1	27.1
108	17.0	17.2	25.8

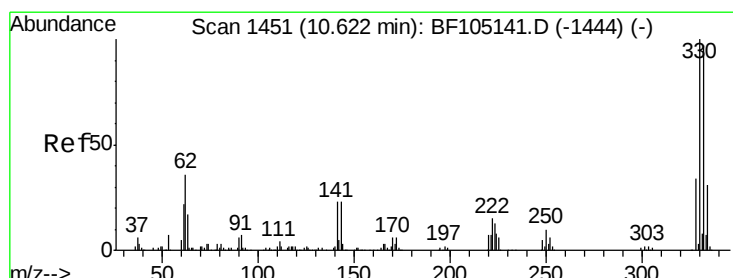
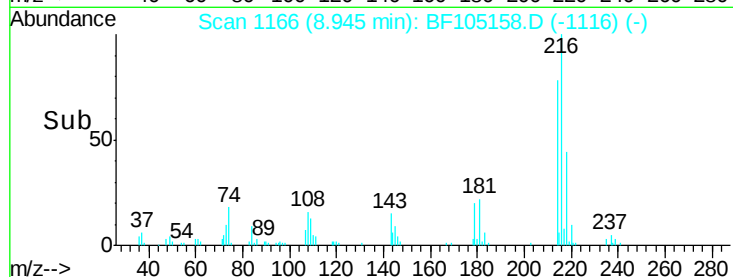
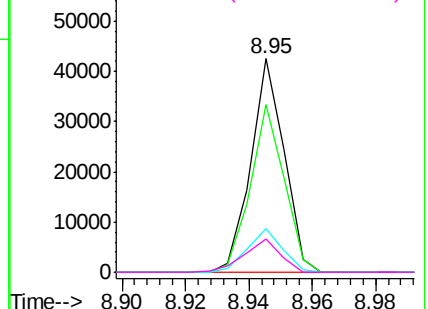


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 136.17 ng

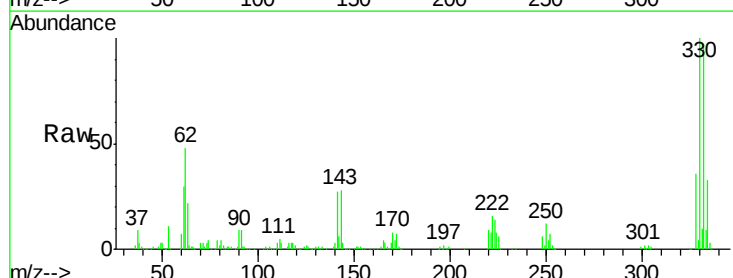
RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

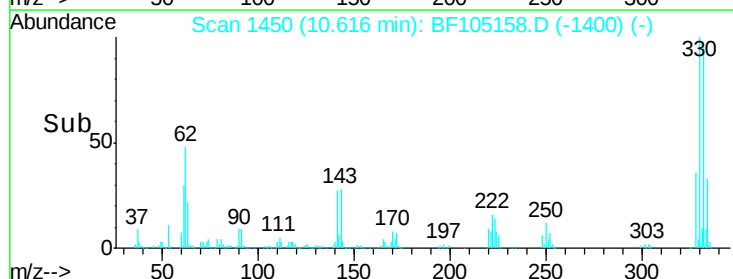
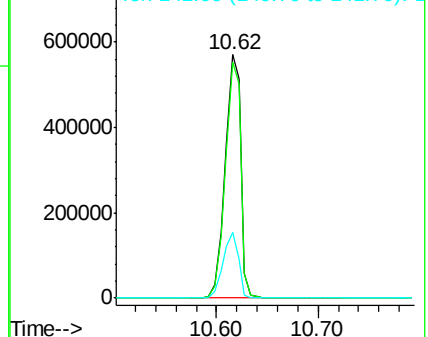
Tgt Ion:	330	Resp:	603886
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	27.0	29.9	44.9

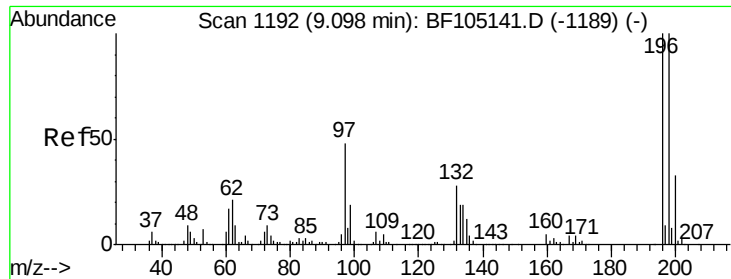


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

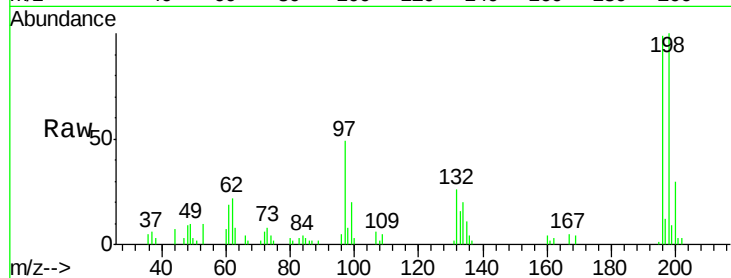




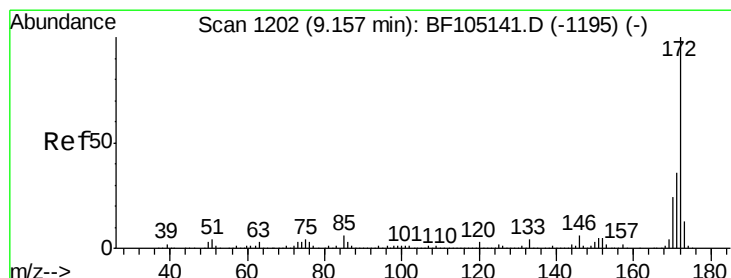
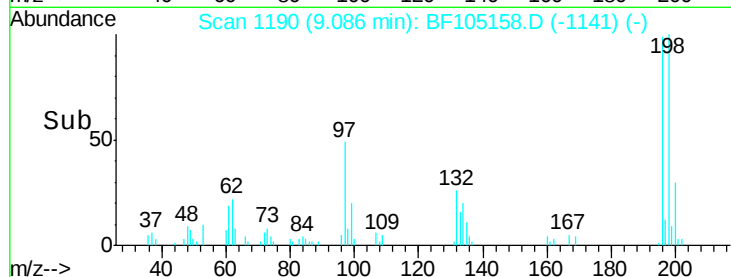
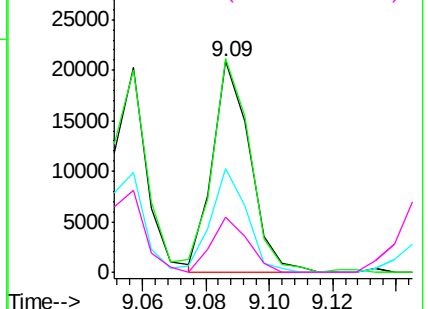
#43
 2,4,5-Trichlorophenol
 Concen: 2.09 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 17036
 Ion Ratio Lower Upper
 196 100
 198 101.3 74.6 112.0
 97 49.4 42.9 64.3
 132 26.4 26.3 39.5

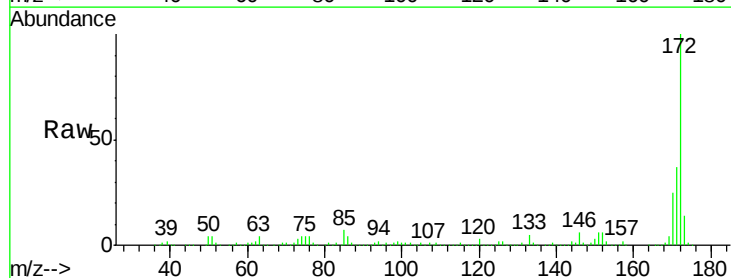


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

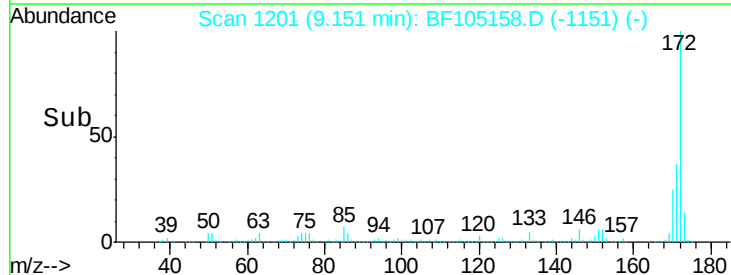
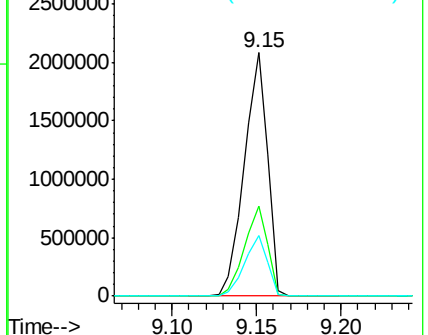


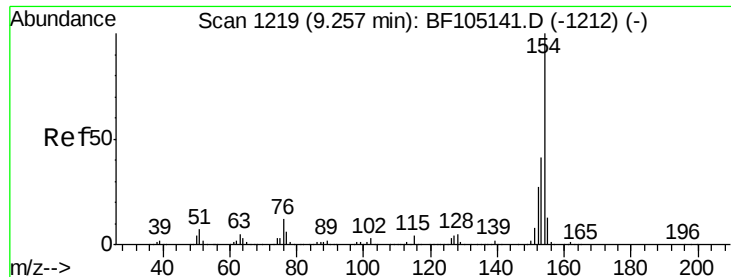
#44
 2-Fluorobiphenyl
 Concen: 77.51 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion:172 Resp: 2007268
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.70 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

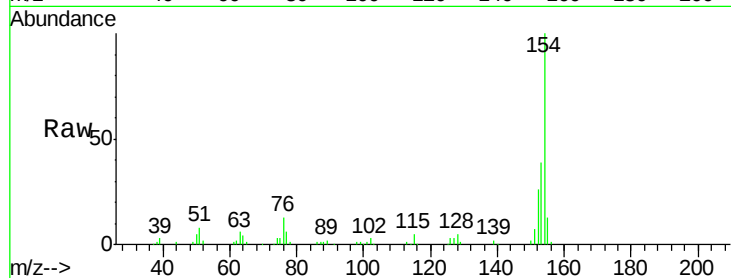
Tot Ion:154 Resp: 88443

Ion Ratio Lower Upper

154 100

153 39.0 21.3 61.3

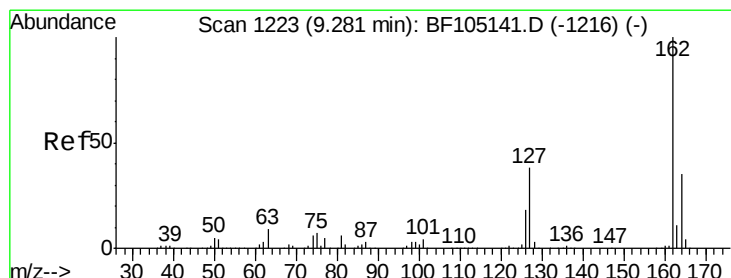
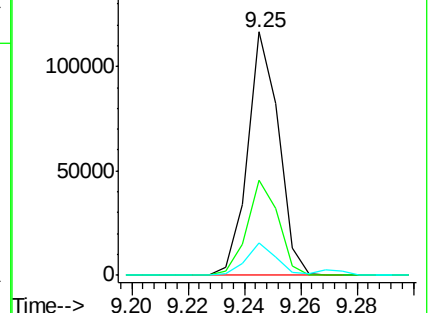
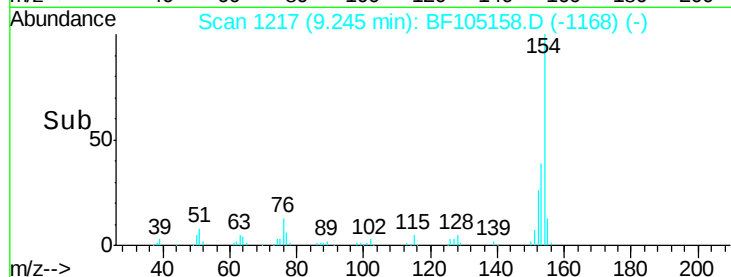
76 13.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 2.43 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

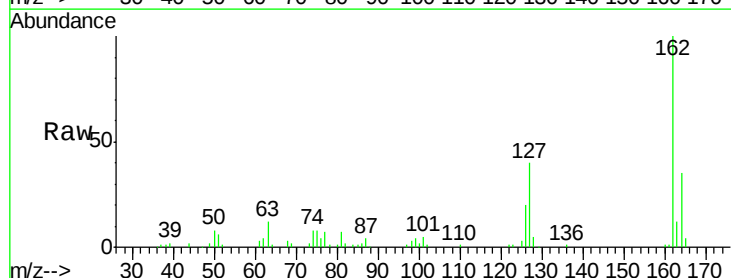
Tgt Ion:162 Resp: 59571

Ion Ratio Lower Upper

162 100

127 39.9 33.9 50.9

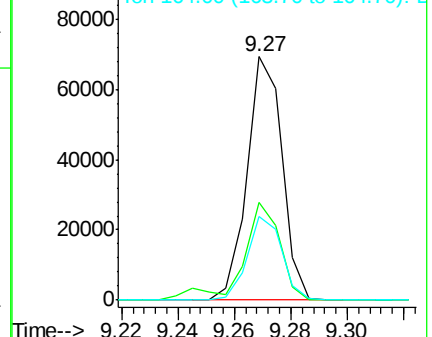
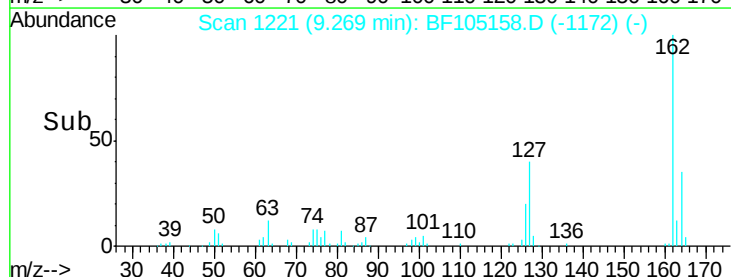
164 34.6 26.5 39.7

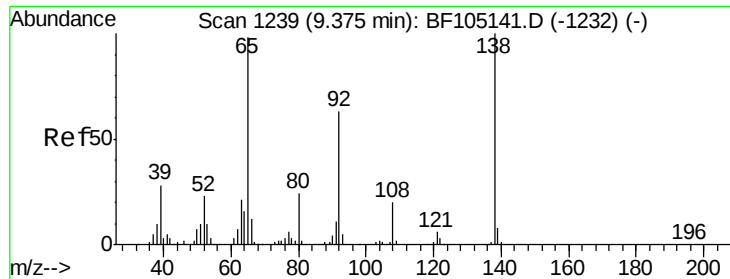


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

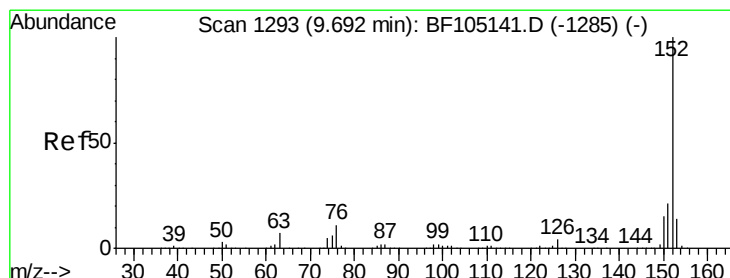
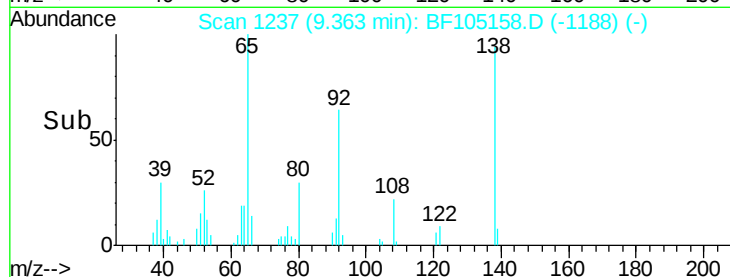
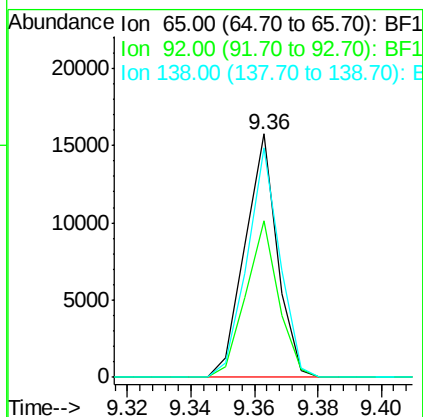
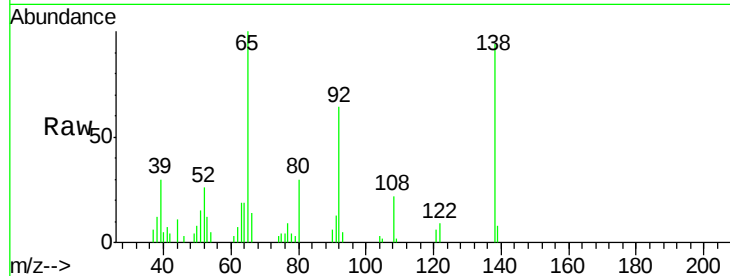




#47
2-Nitroaniline
Concen: 7.18 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

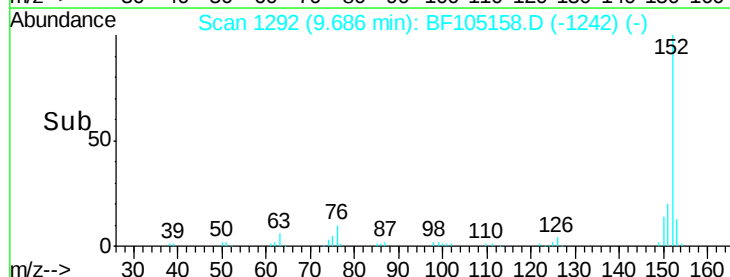
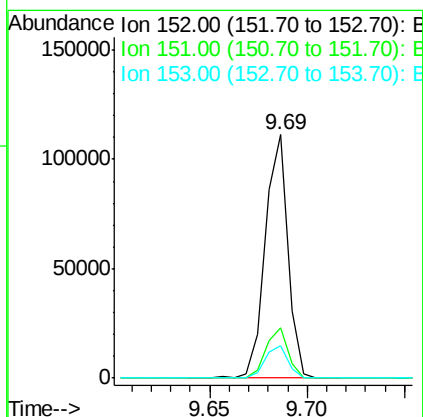
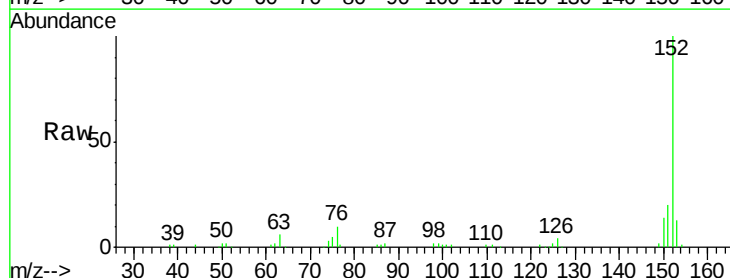
Instrument :
BNA_F
ClientSampleId :

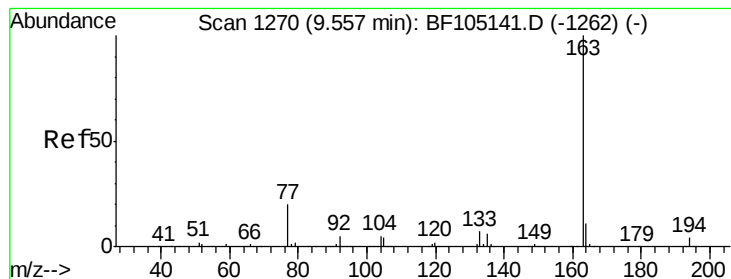
Tot Ion: 65 Resp: 11092
Ion Ratio Lower Upper
65 100
92 64.1 55.8 83.6
138 94.1 91.2 136.8



#48
Acenaphthylene
Concen: 2.37 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion: 152 Resp: 89448
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 13.3 10.7 16.1





#49

Dimethylphthalate

Concen: 2.47 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampled :

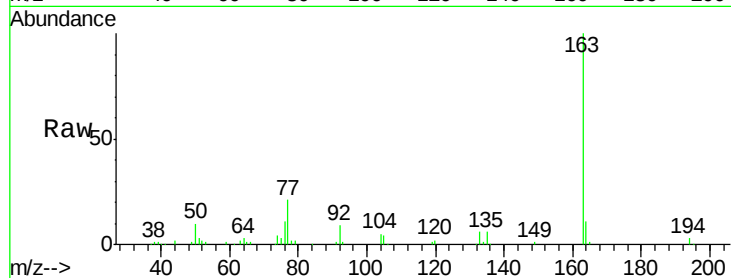
Tot Ion:163 Resp: 67094

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

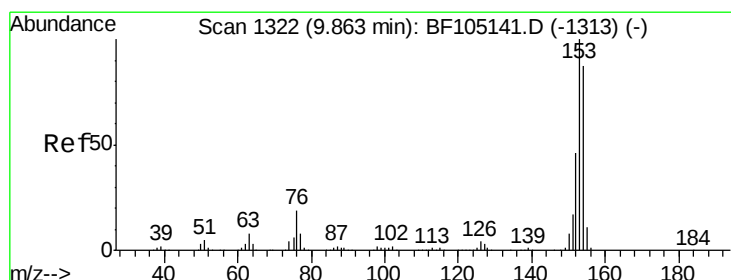
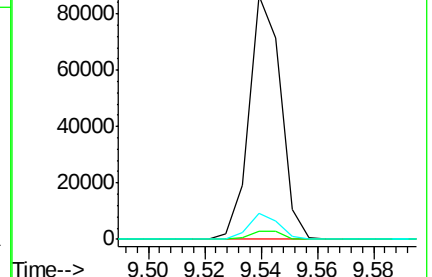
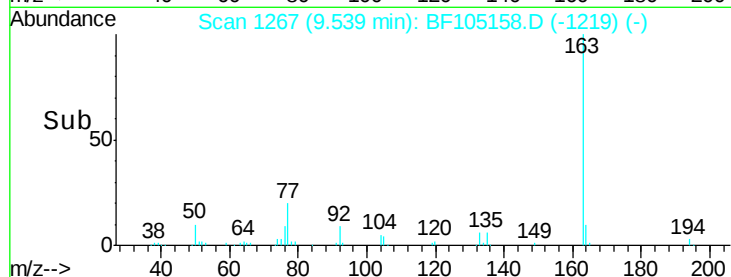
164 10.6 8.2 12.2



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

Acenaphthene

Concen: 2.49 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

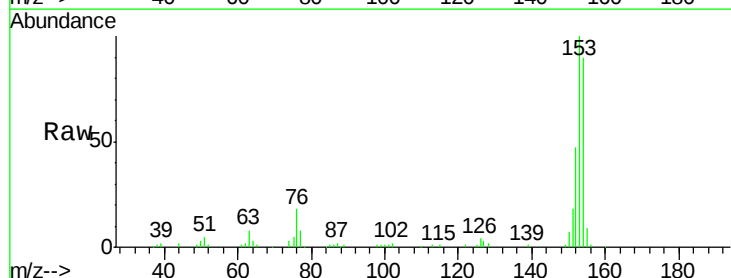
Tgt Ion:154 Resp: 60703

Ion Ratio Lower Upper

154 100

153 111.1 91.2 136.8

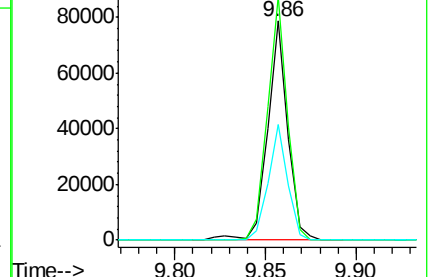
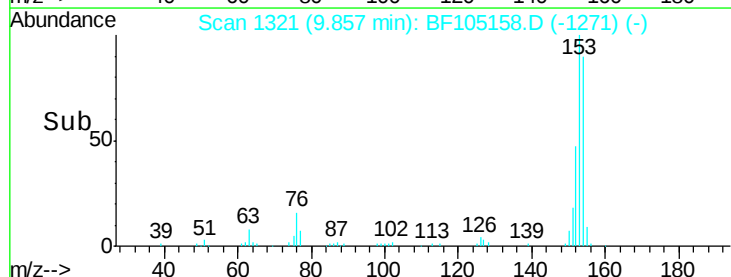
152 52.7 43.8 65.8

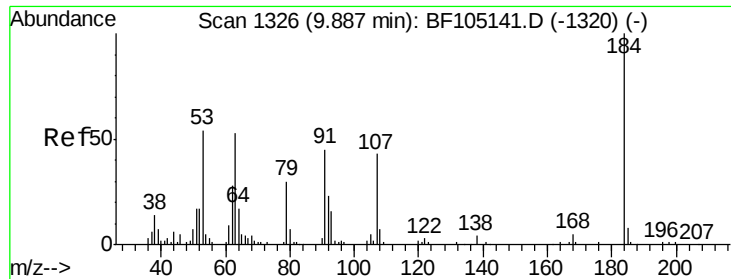


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

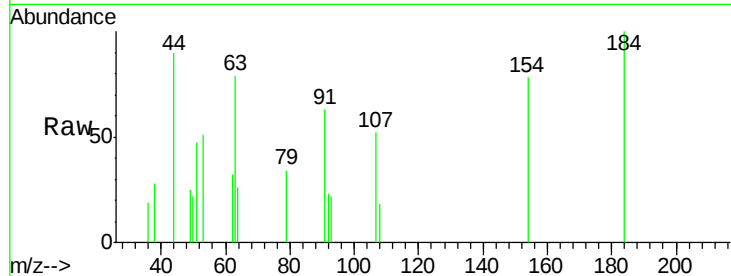




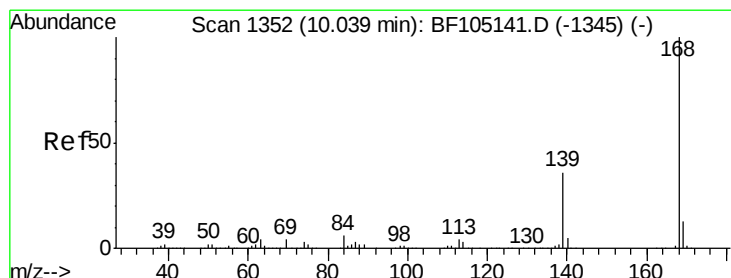
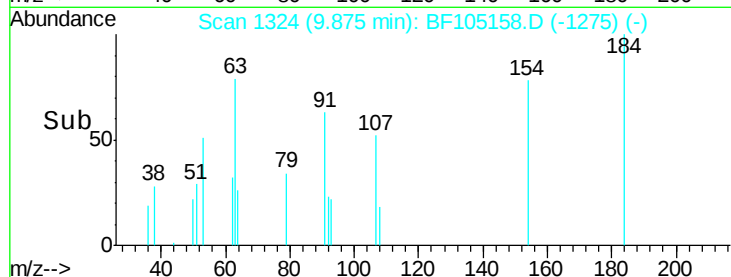
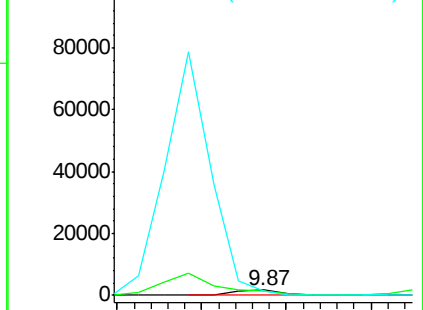
#53
2,4-Dinitrophenol
Concen: 10.19 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 1353
Ion Ratio Lower Upper
184 100
63 78.5 54.2 81.2
154 77.8 184.0 276.0#

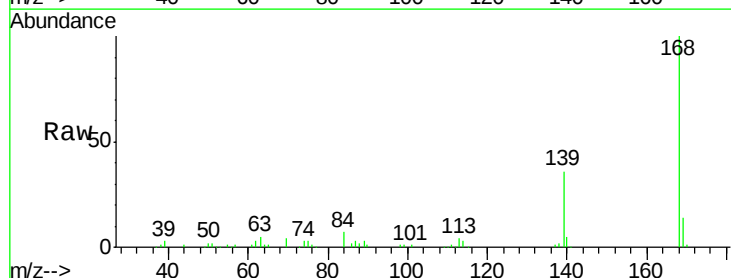


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

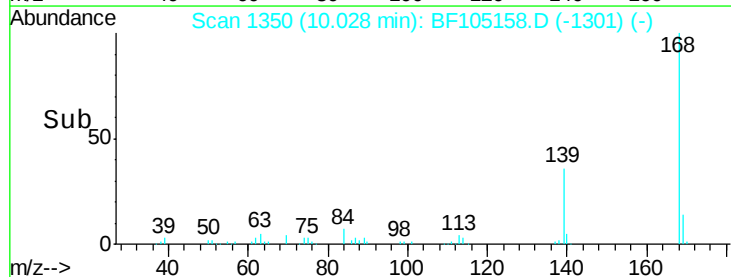
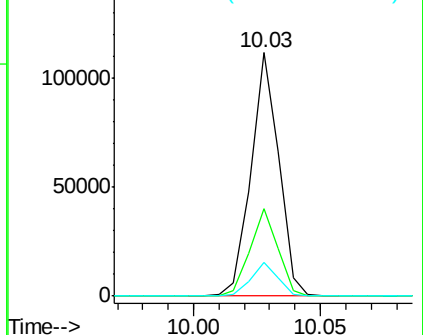


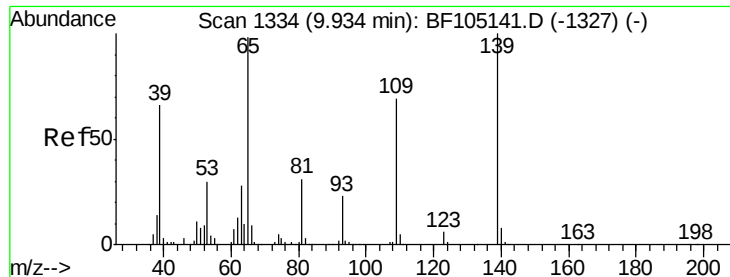
#54
Dibenzofuran
Concen: 2.40 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:168 Resp: 85473
Ion Ratio Lower Upper
168 100
139 36.0 30.1 45.1
169 13.8 10.9 16.3



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

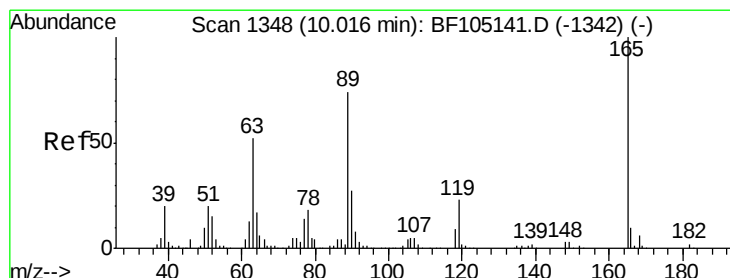
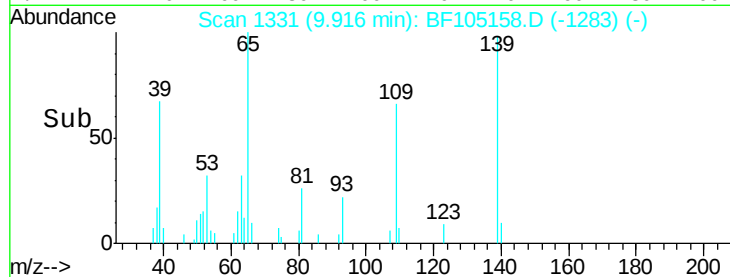
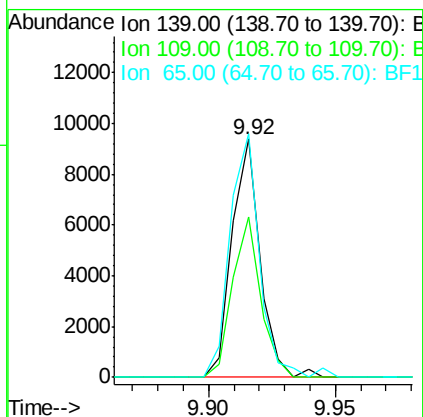
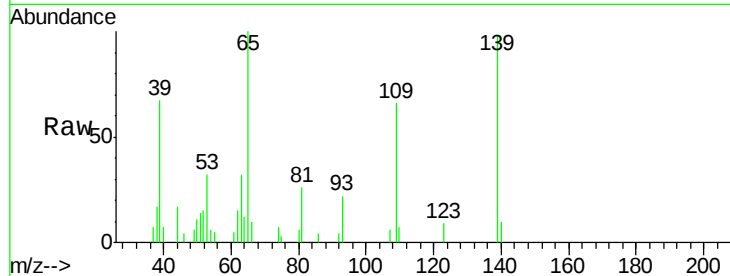




#55
4-Nitrophenol
Concen: 5.53 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

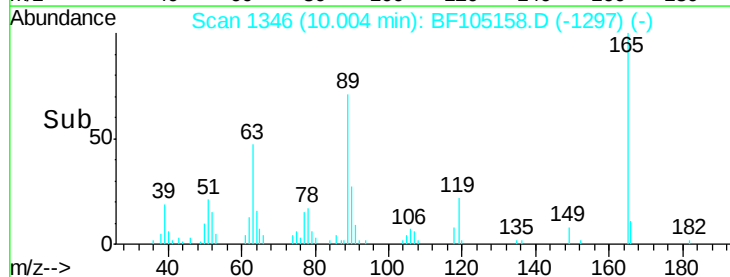
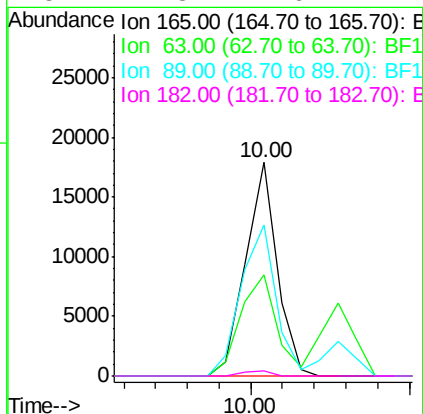
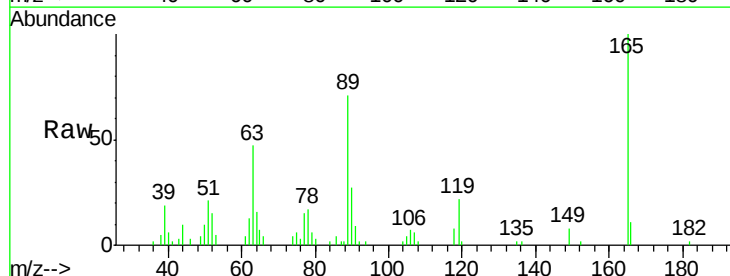
Instrument :
BNA_F
ClientSampleId :

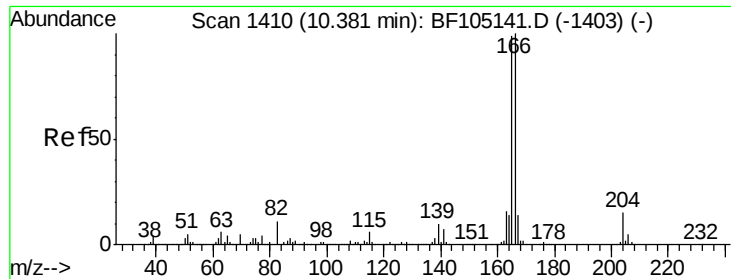
Tot Ion:139 Resp: 7252
Ion Ratio Lower Upper
139 100
109 67.1 48.4 88.4
65 102.1 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 5.07 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:165 Resp: 12401
Ion Ratio Lower Upper
165 100
63 47.4 36.4 54.6
89 70.6 57.8 86.6
182 2.3 1.6 2.4





#57

Fluorene

Concen: 2.58 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

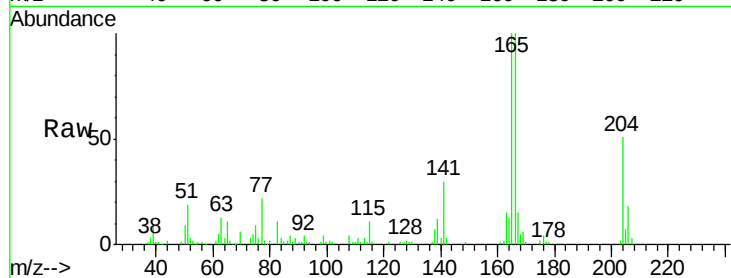
Tot Ion:166 Resp: 67335

Ion Ratio Lower Upper

166 100

165 99.9 79.8 119.8

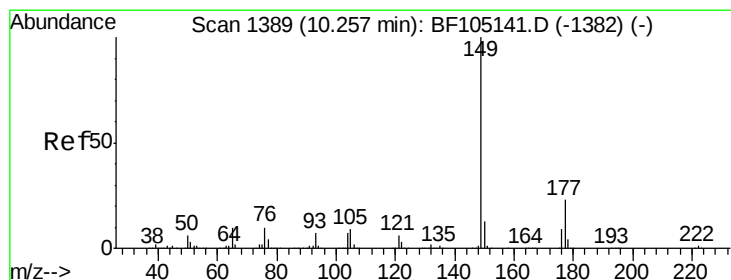
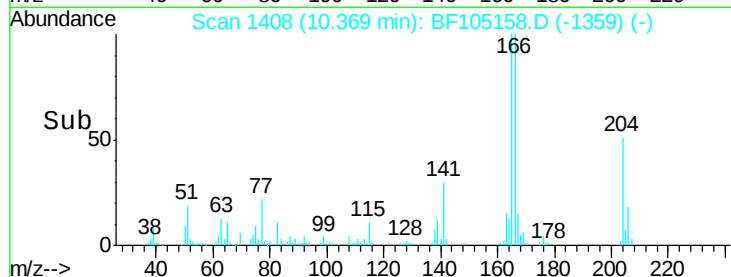
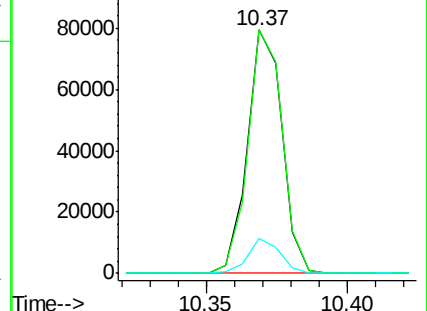
167 14.6 10.6 16.0



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

Diethylphthalate

Concen: 2.39 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

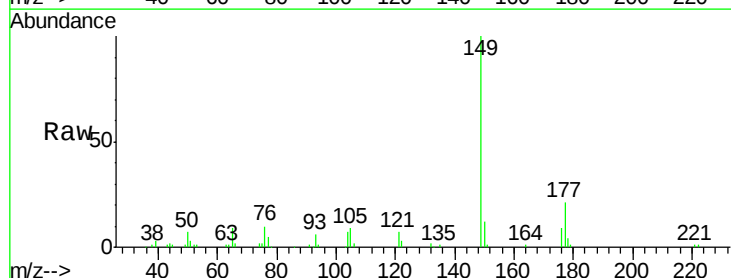
Tgt Ion:149 Resp: 63887

Ion Ratio Lower Upper

149 100

177 21.1 16.1 24.1

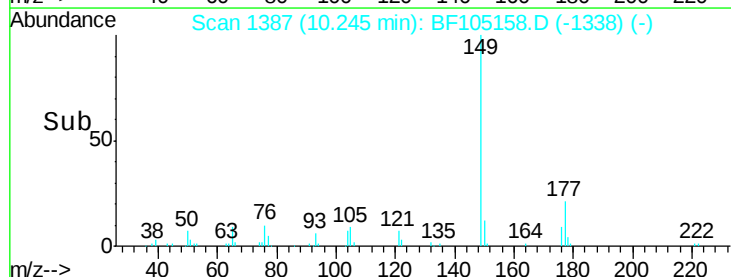
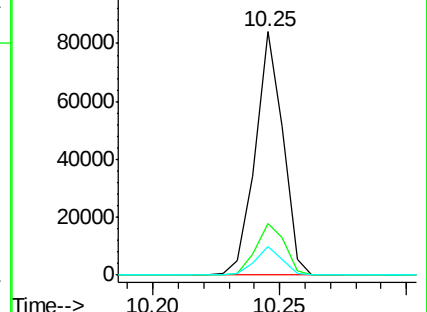
150 11.7 10.1 15.1

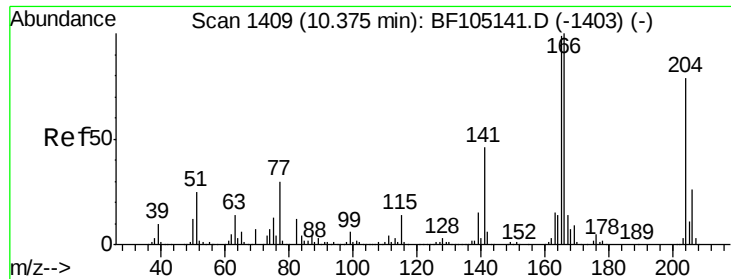


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

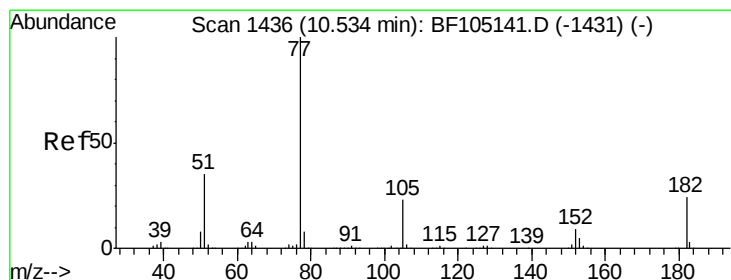
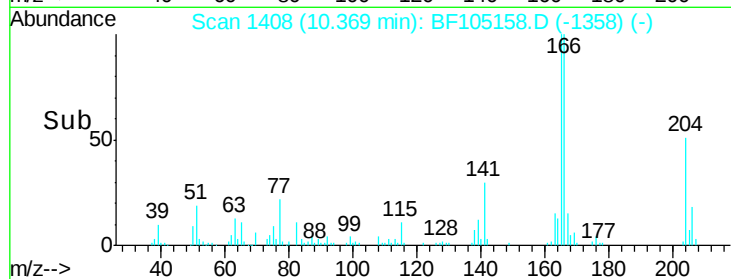
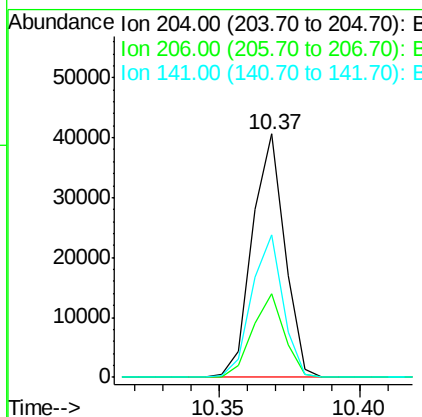
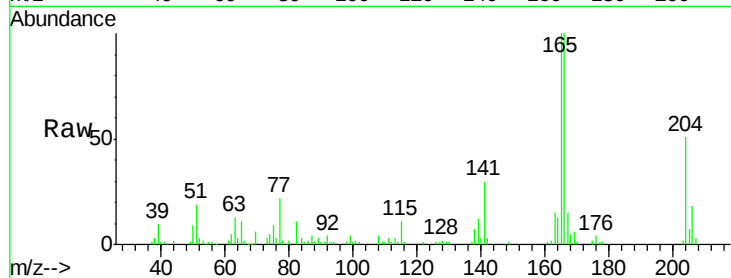




#60
4-Chlorophenyl-phenylether
Concen: 2.67 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

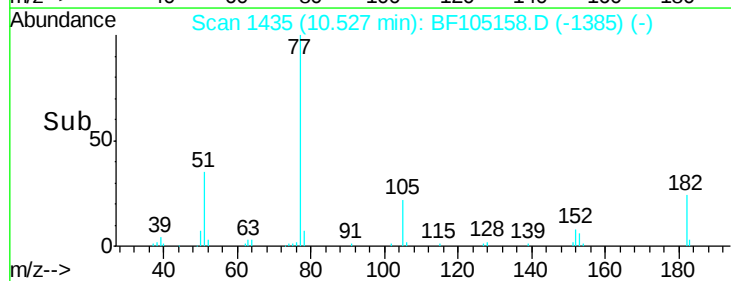
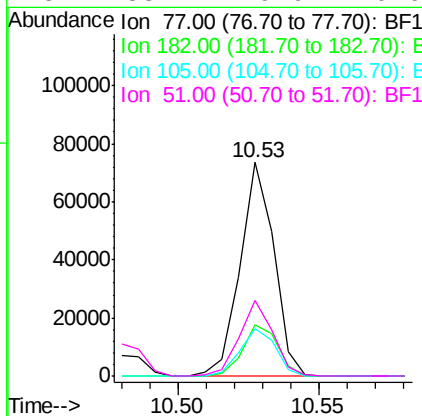
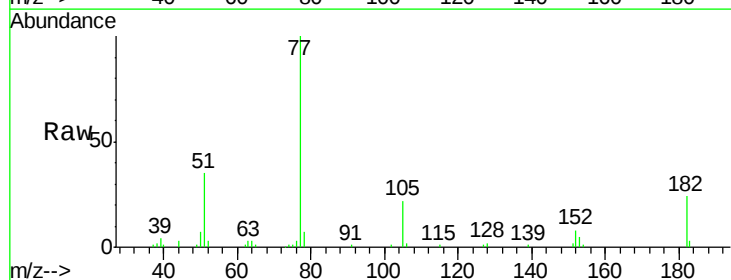
Instrument :
BNA_F
ClientSampleId :

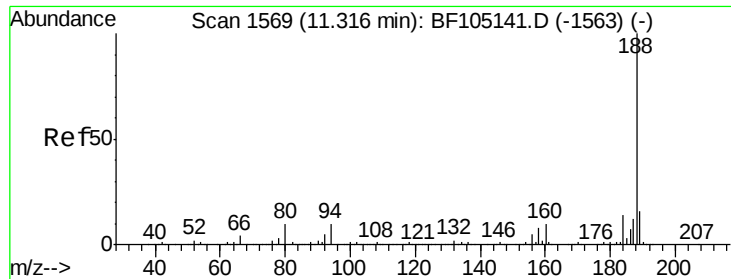
Tot Ion: 204 Resp: 32428
Ion Ratio Lower Upper
204 100
206 34.3 26.5 39.7
141 58.8 54.6 81.8



#62
Azobenzene
Concen: 2.19 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion: 77 Resp: 61032
Ion Ratio Lower Upper
77 100
182 24.3 1.7 41.7
105 22.3 3.0 43.0
51 35.2 9.9 49.9

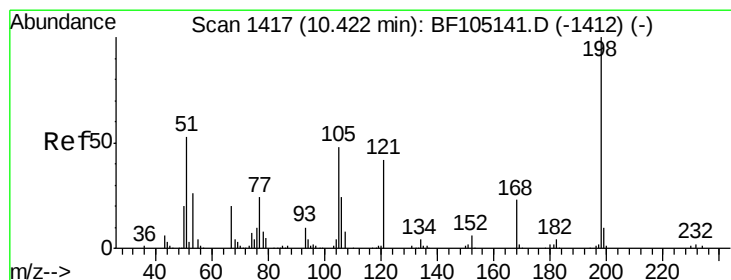
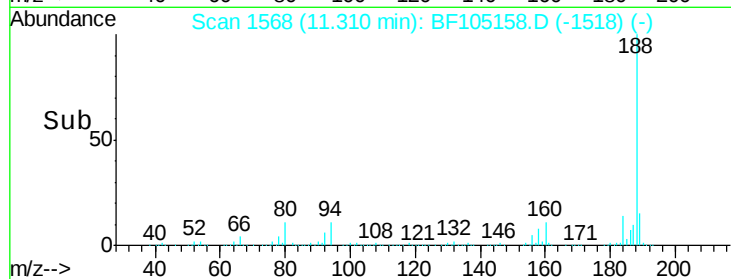
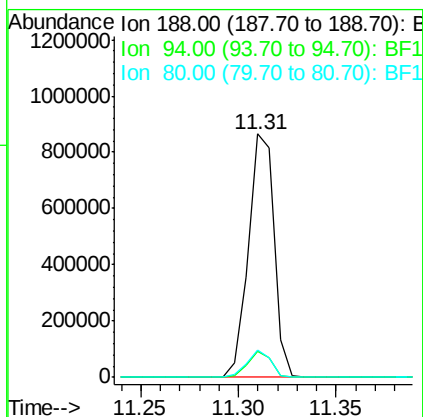
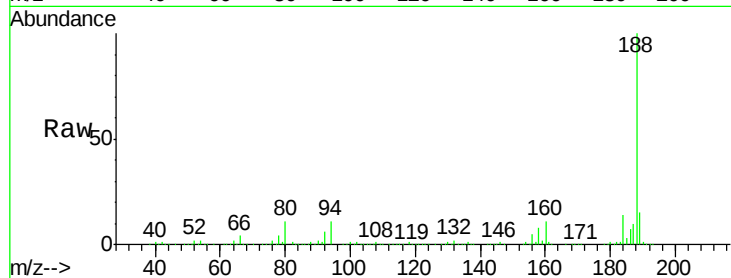




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

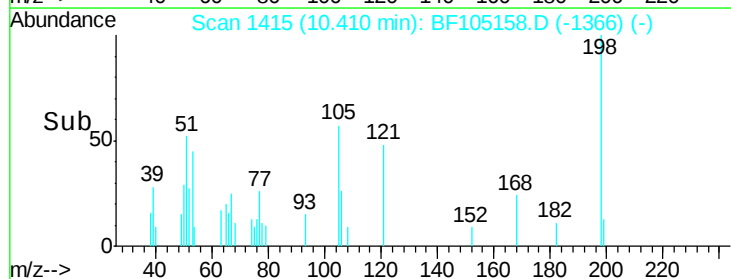
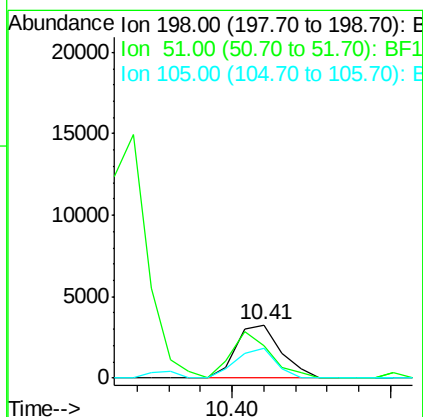
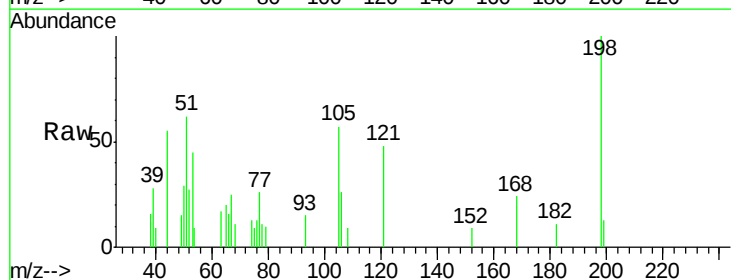
Instrument :
BNA_F
ClientSampleID :

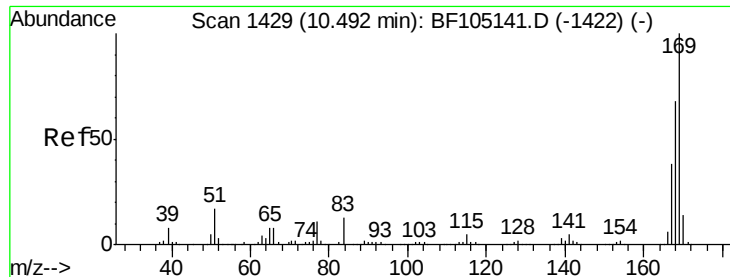
Tot Ion:188 Resp: 788441
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.91 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:198 Resp: 3235
Ion Ratio Lower Upper
198 100
51 61.5 37.7 77.7
105 56.6 36.3 76.3

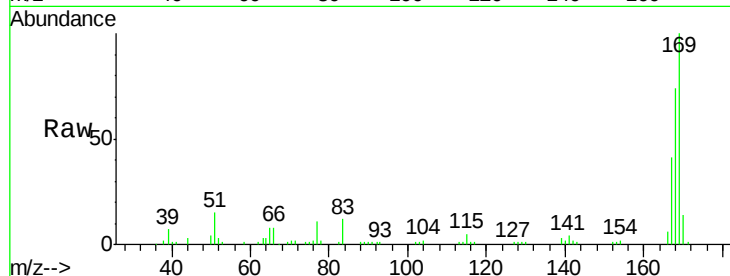




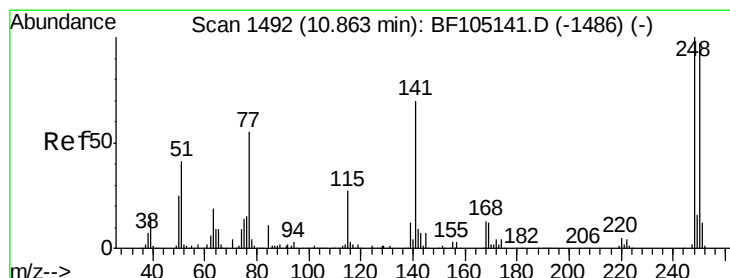
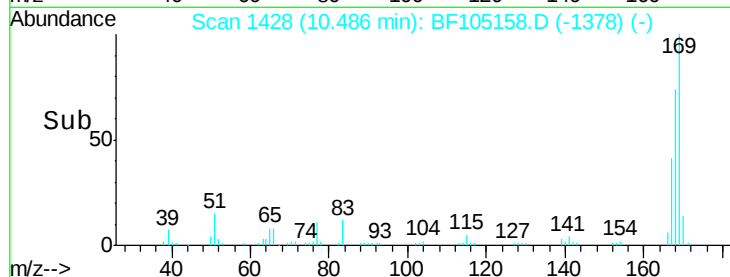
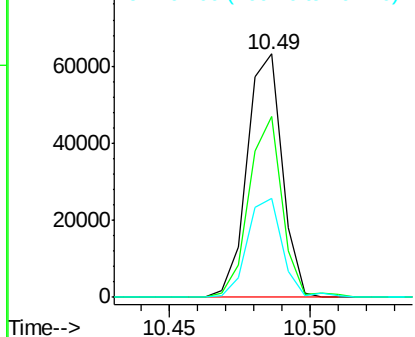
#65
 n-Nitrosodiphenylamine
 Concen: 2.21 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 54414
 Ion Ratio Lower Upper
 169 100
 168 74.2 54.4 81.6
 167 40.7 29.8 44.6

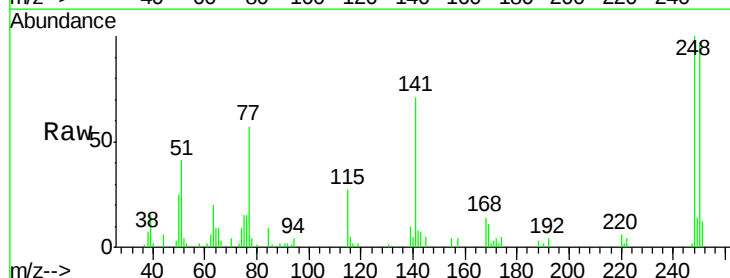


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

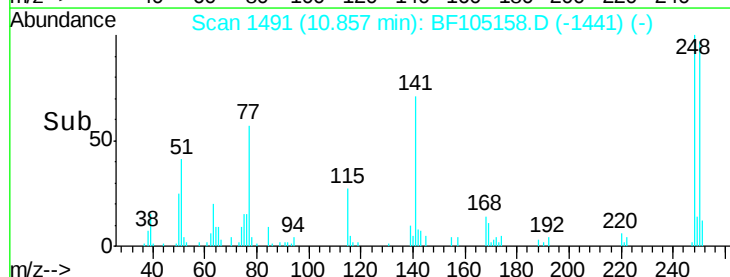
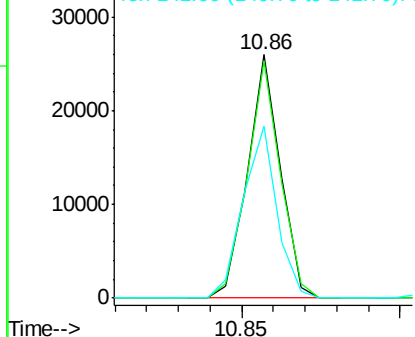


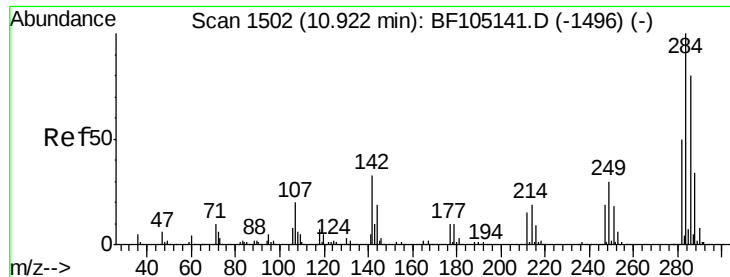
#66
 4-Bromophenyl-phenylether
 Concen: 2.21 ng
 RT: 10.86 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion:248 Resp: 18596
 Ion Ratio Lower Upper
 248 100
 250 97.4 76.9 115.3
 141 70.6 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

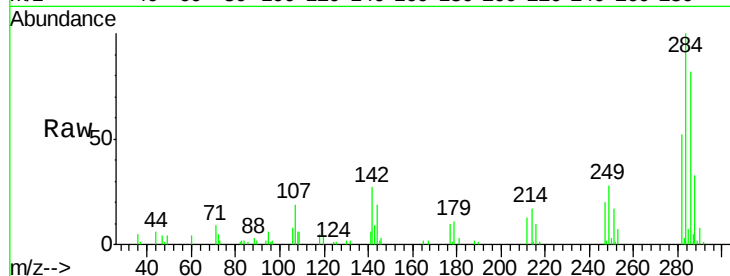




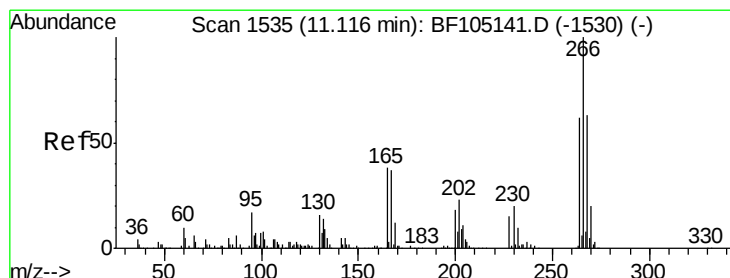
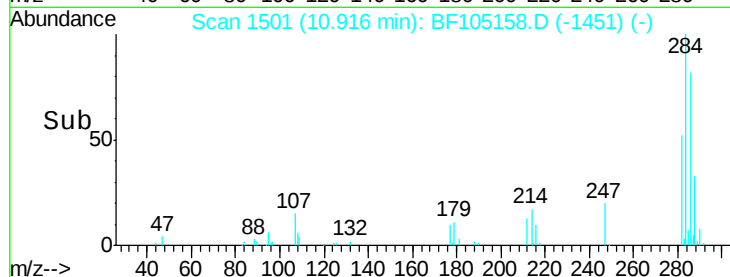
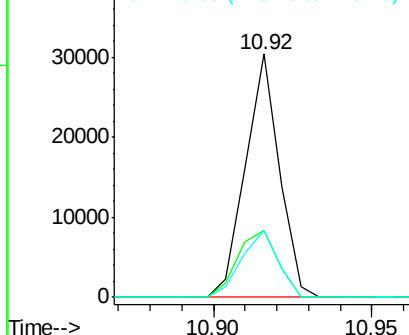
#67
Hexachlorobenzene
Concen: 2.32 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 22506
Ion Ratio Lower Upper
284 100
142 27.4 34.6 52.0#
249 27.7 24.8 37.2

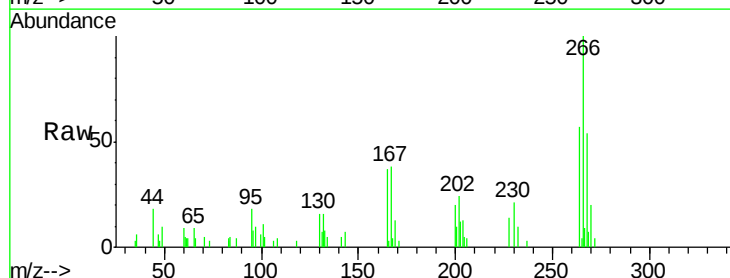


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

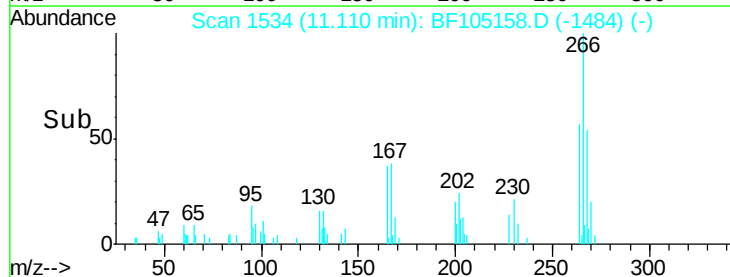
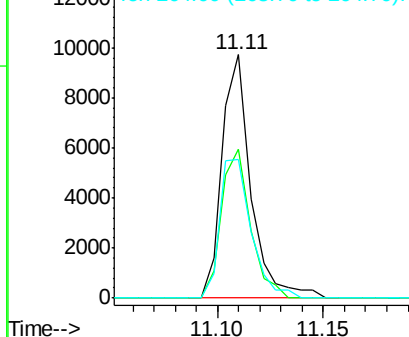


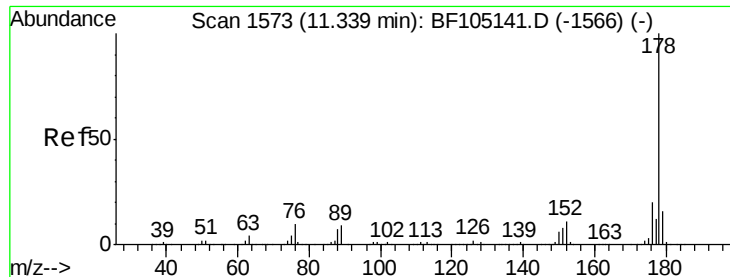
#69
Pentachlorophenol
Concen: 4.76 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:266 Resp: 9171
Ion Ratio Lower Upper
266 100
268 61.2 51.1 76.7
264 57.1 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

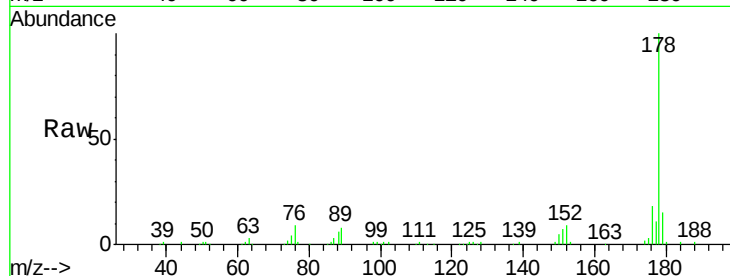




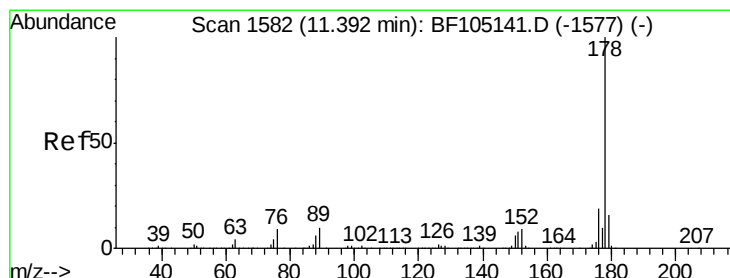
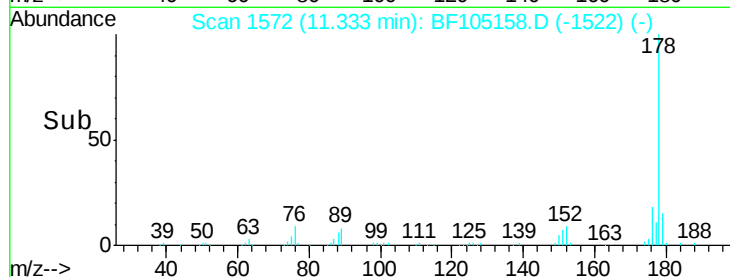
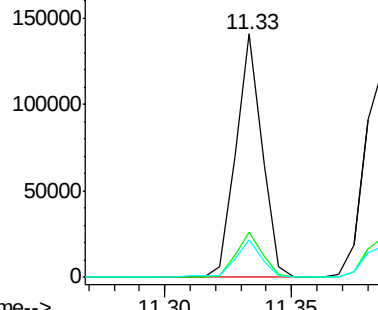
#70
Phenanthrene
Concen: 2.45 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 101841
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.3 13.0 19.6

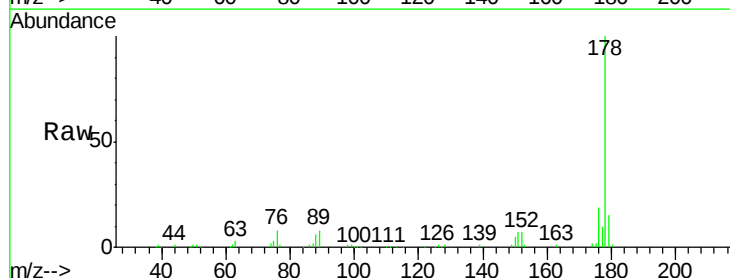


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

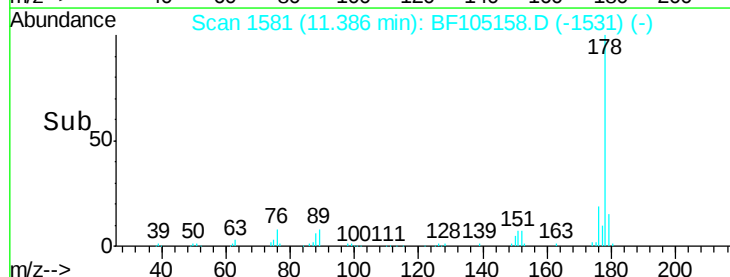
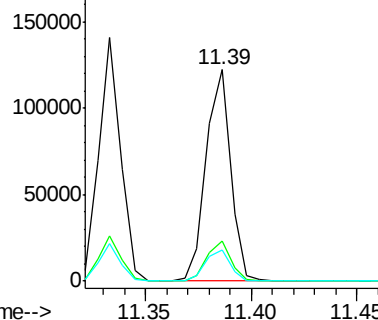


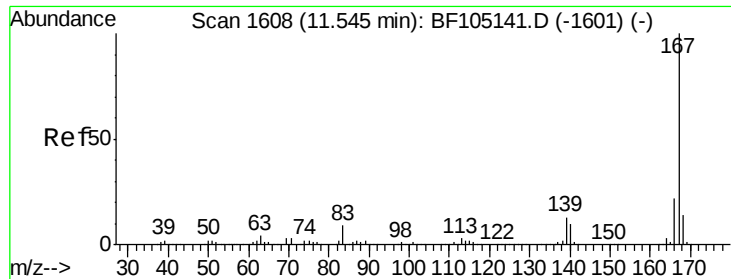
#71
Anthracene
Concen: 2.32 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:178 Resp: 98170
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.7 12.6 19.0



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

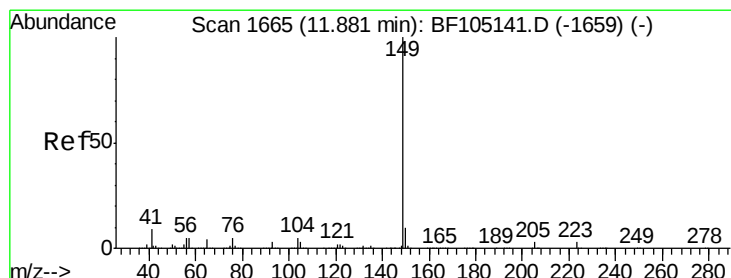
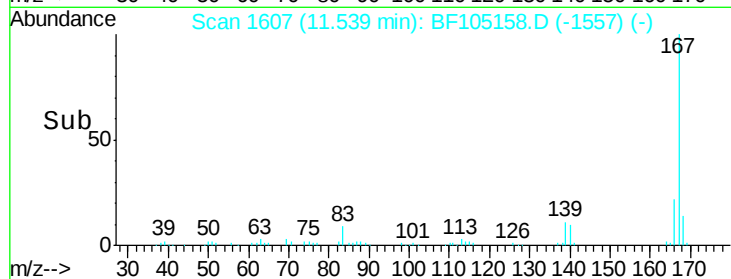
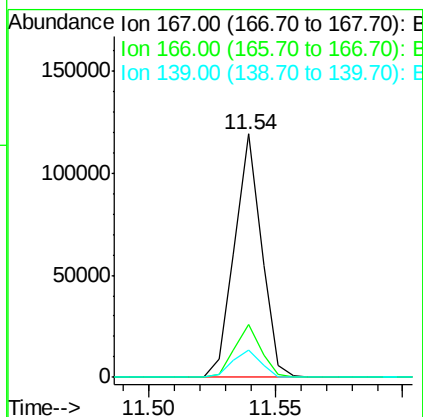
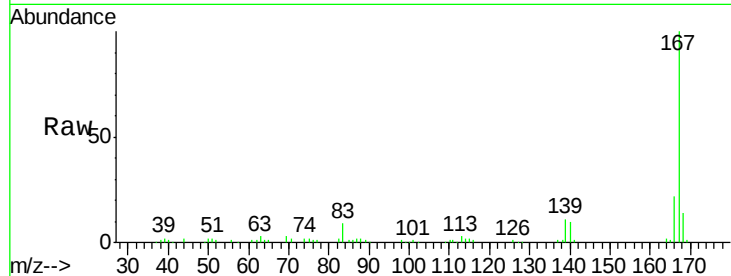




#72
 Carbazole
 Concen: 2.32 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

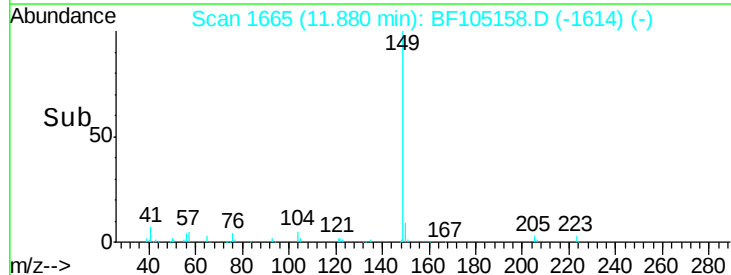
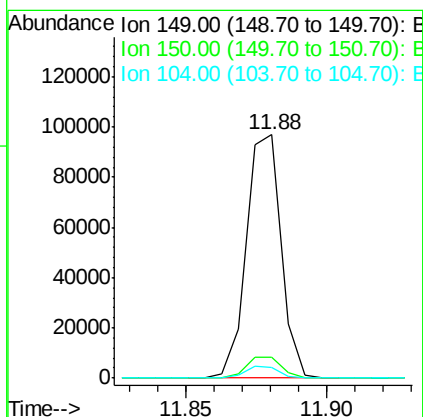
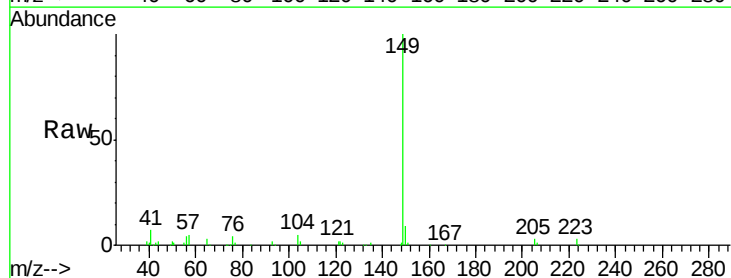
Instrument :
 BNA_F
 ClientSampleId :

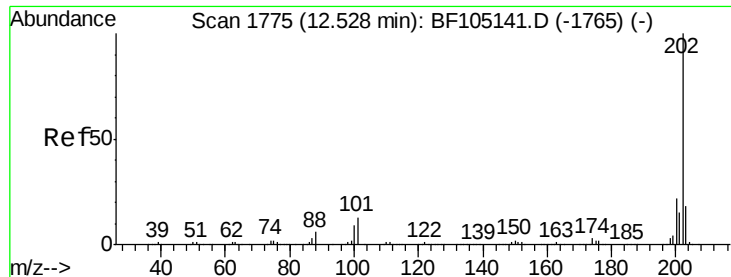
Tot Ion:167 Resp: 88185
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 11.2 10.9 16.3



#73
 Di-n-butylphthalate
 Concen: 2.03 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion:149 Resp: 82647
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.8 11.6
 104 4.5 3.8 5.8

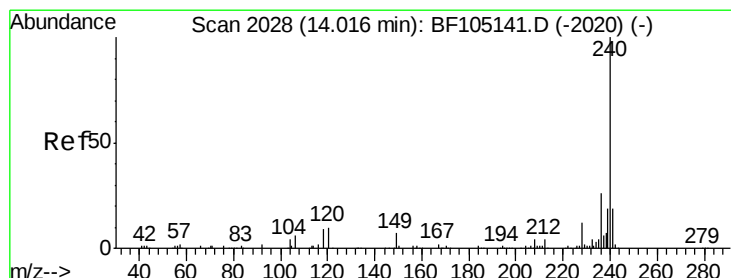
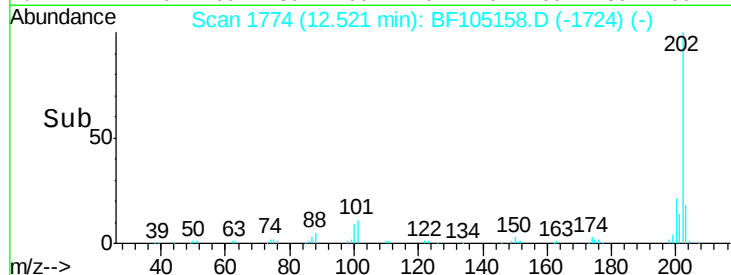
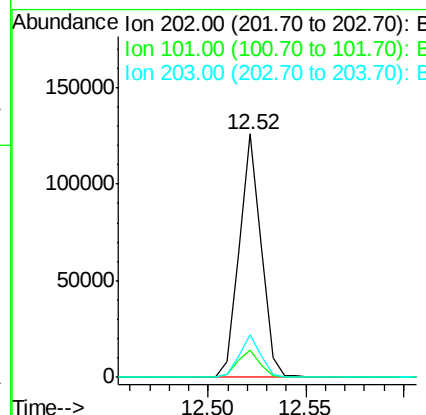
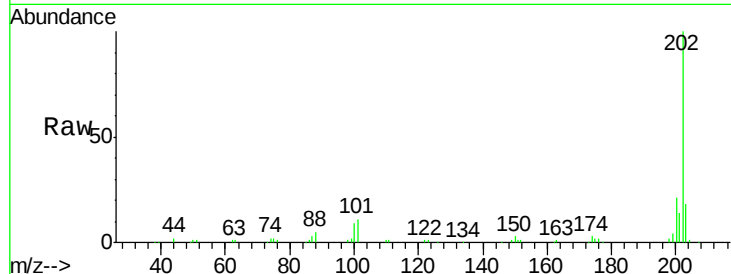




#74
 Fluoranthene
 Concen: 2.26 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

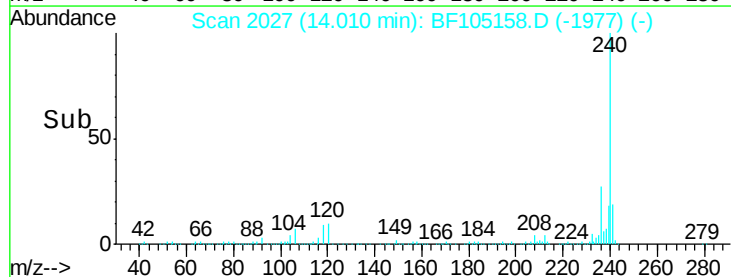
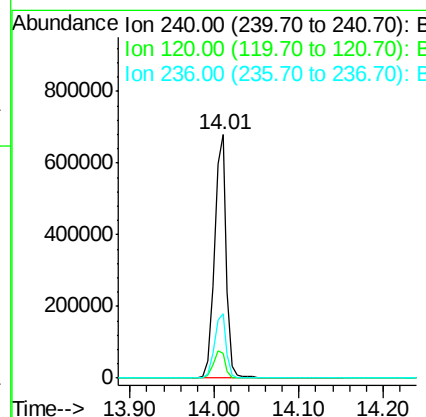
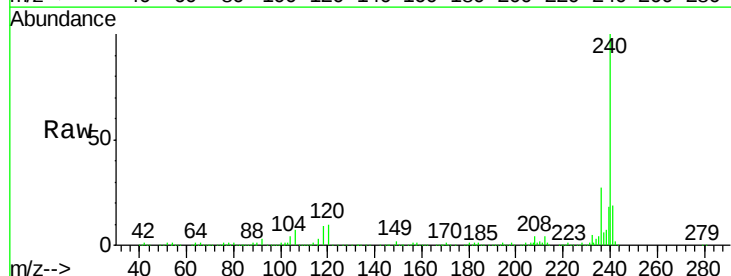
Instrument :
 BNA_F
 ClientSampleId :

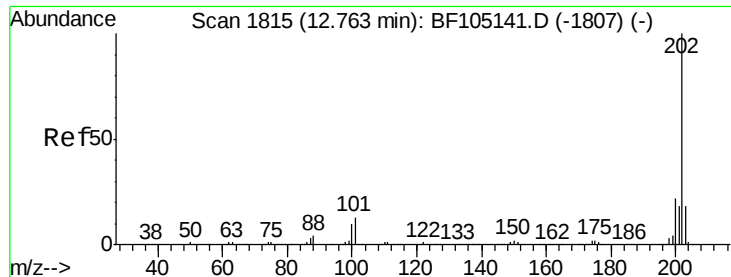
Tot Ion:202 Resp: 97990
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 17.6 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF105158.D
 Acq: 8 May 2018 21:39

Tgt Ion:240 Resp: 668297
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.5 14.3
 236 26.6 20.7 31.1

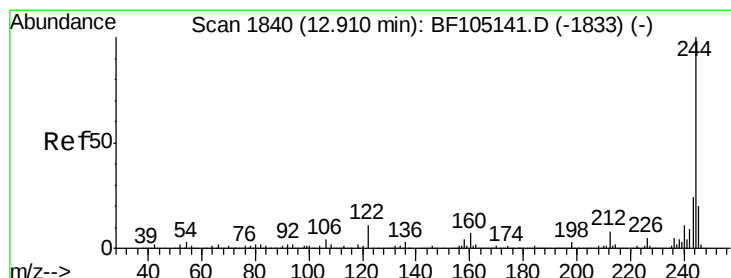
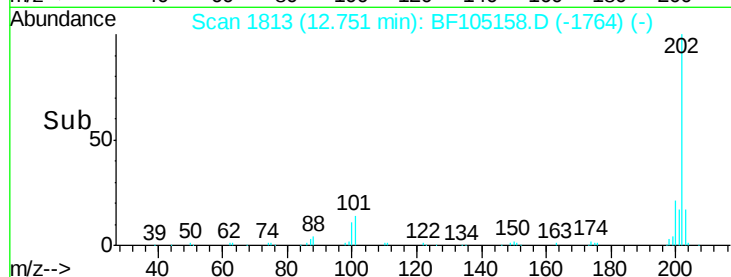
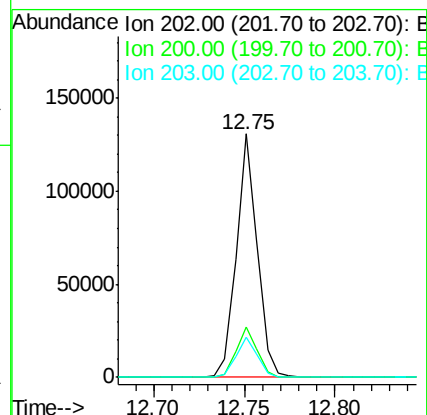
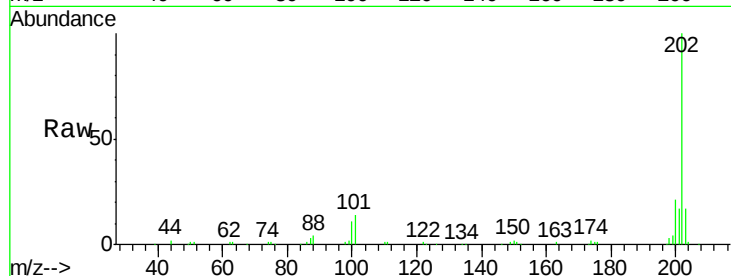




#77
Pvrene
Concen: 2.16 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

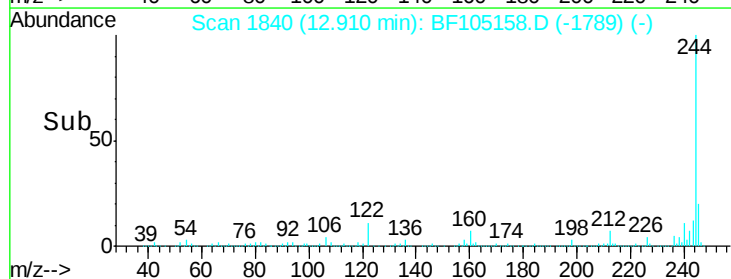
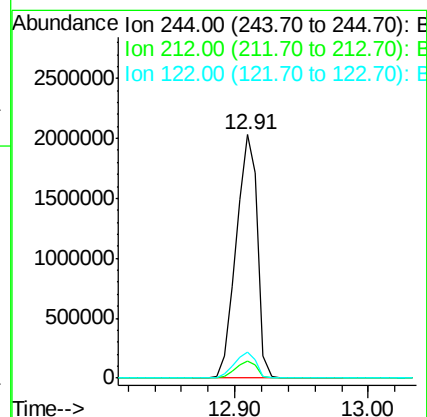
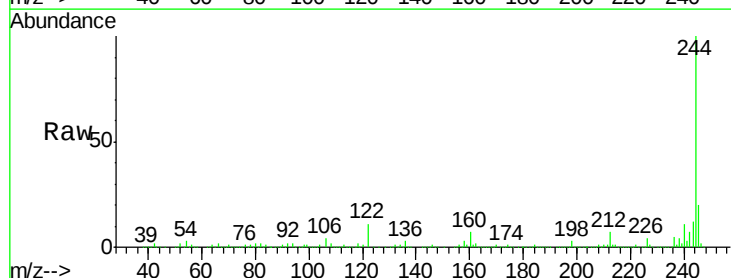
Instrument :
BNA_F
ClientSampleId :

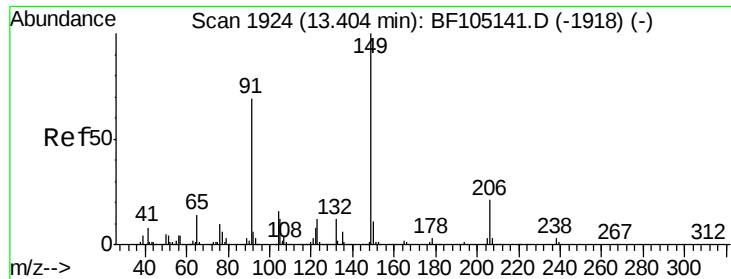
Tot Ion:202 Resp: 104763
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 16.5 14.3 21.5



#78
Terphenyl-d14
Concen: 78.93 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:244 Resp: 2270751
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 10.7 11.0 16.4#

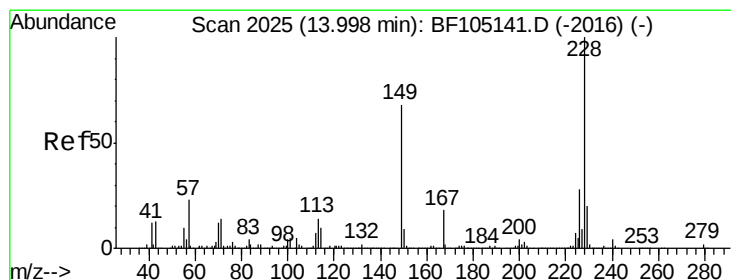
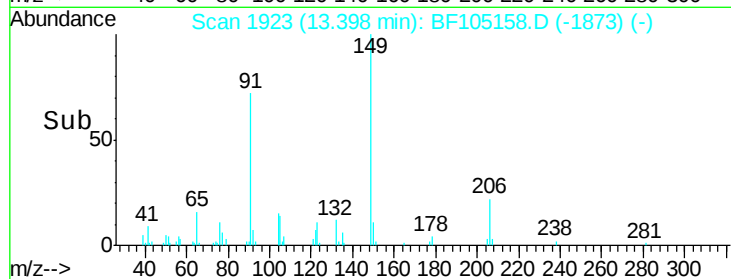
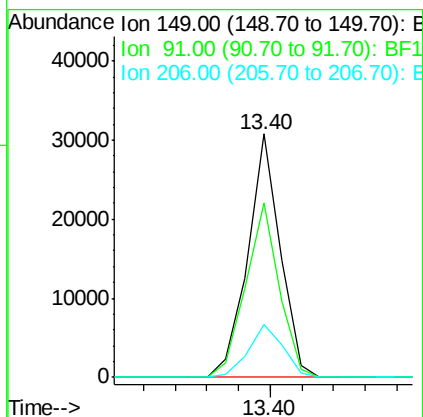
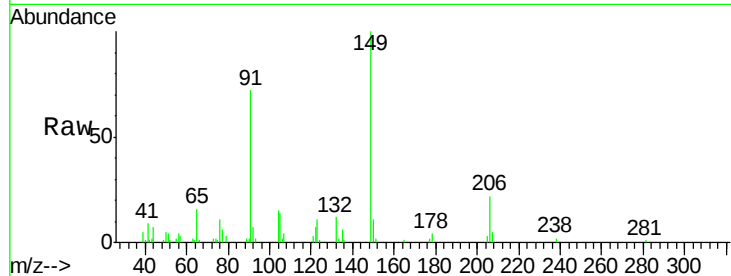




#79
Butylbenzylphthalate
Concen: 7.96 ng
RT: 13.40 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

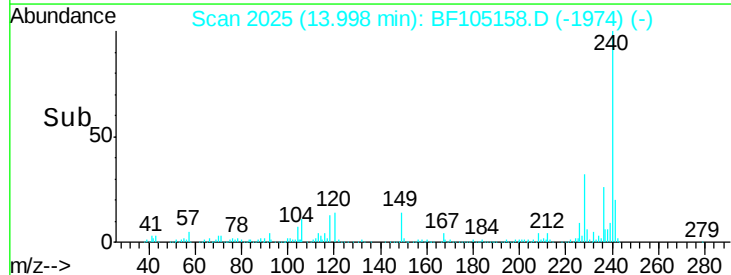
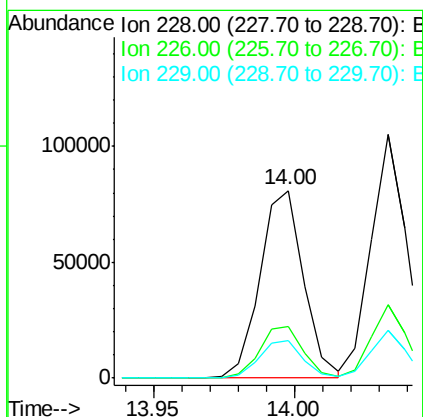
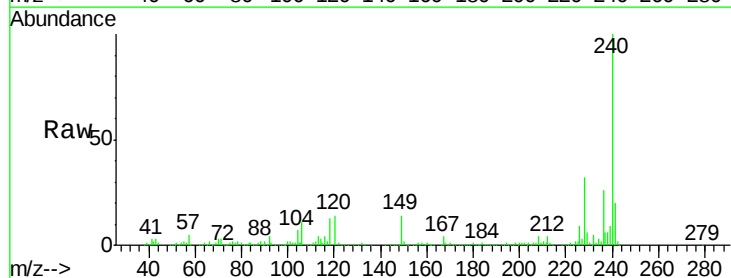
Instrument :
BNA_F
ClientSampleId :

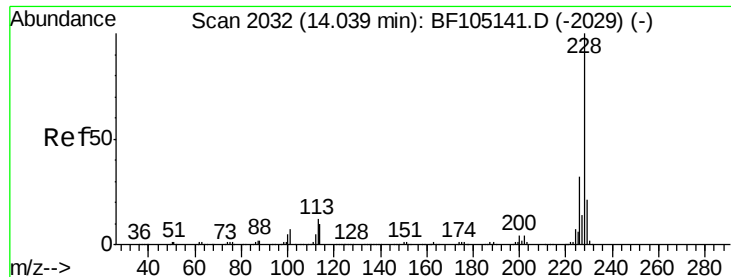
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.9	56.8	85.2
206	21.9	14.1	21.1



#80
Benzo(a)anthracene
Concen: 2.13 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 2.25 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

Instrument :

BNA_F

ClientSampleId :

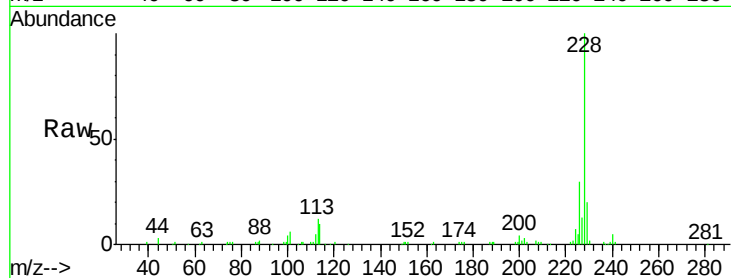
Tot Ion:228 Resp: 93919

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

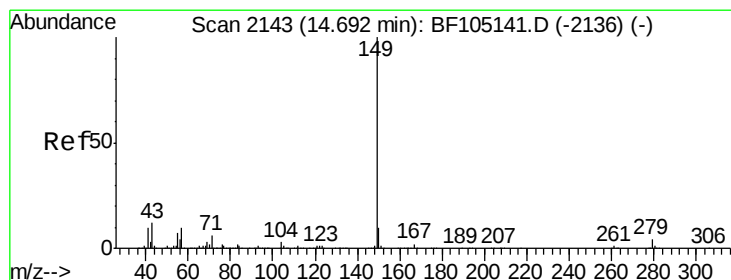
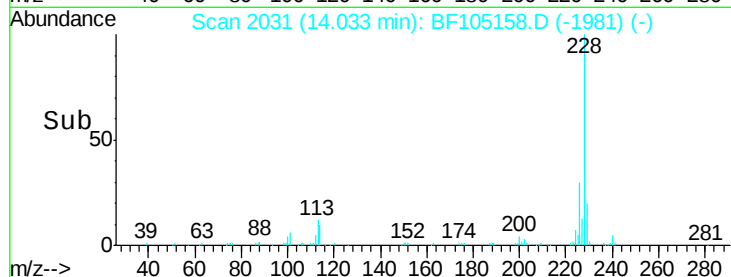
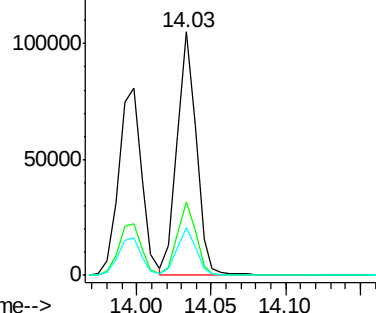
229 19.7 16.2 24.4



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



#84

Di-n-octyl phthalate

Concen: 7.79 ng

RT: 14.69 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BF105158.D

Acq: 8 May 2018 21:39

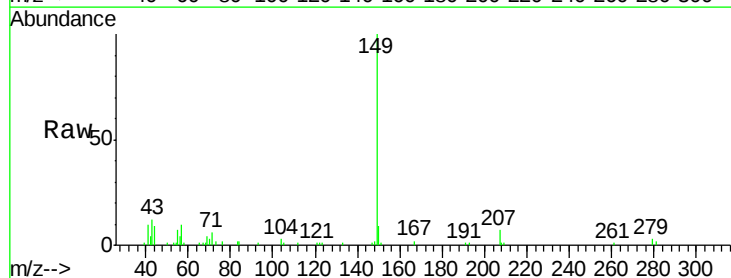
Tgt Ion:149 Resp: 38811

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

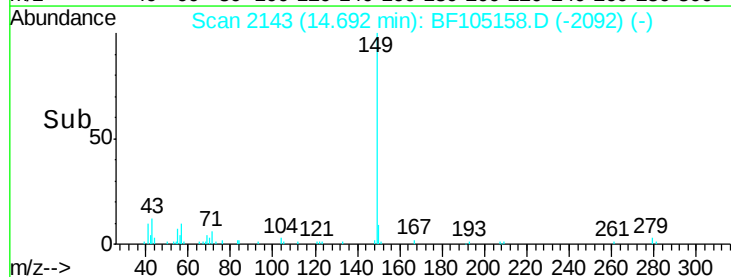
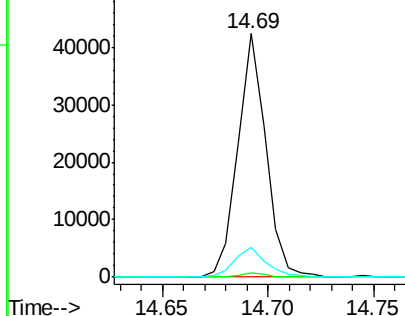
43 14.1 8.4 12.6#

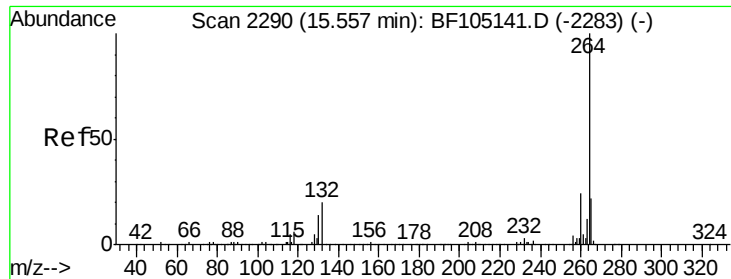


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



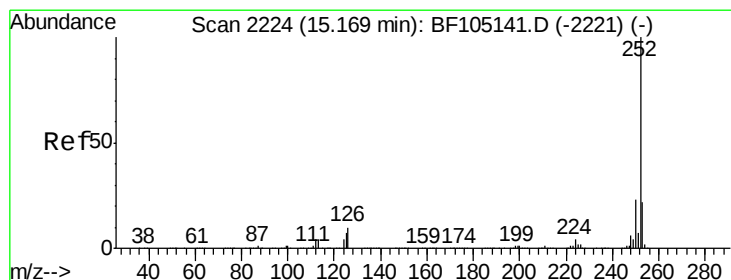
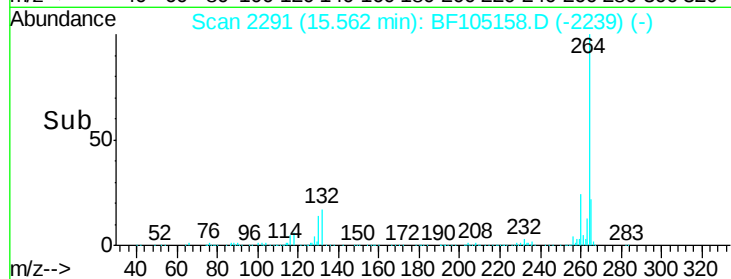
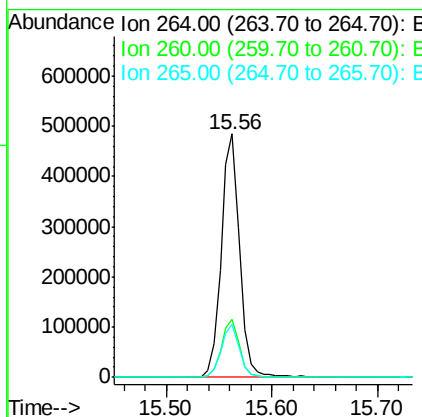
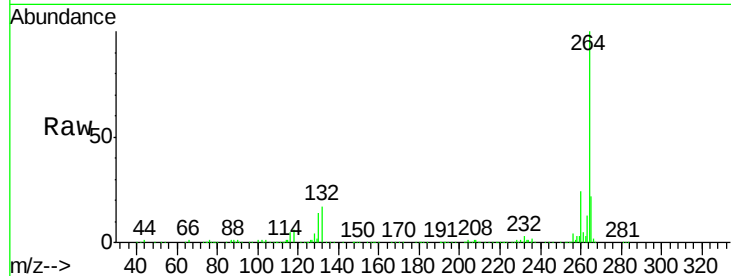


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 586327

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3



#88
Benzo(k)fluoranthene
Concen: 2.13 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF105158.D
Acq: 8 May 2018 21:39

Tgt Ion:252 Resp: 74006

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.9	26.9
125	9.8	10.2	15.2#

