

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105180.D
 Acq On : 9 May 2018 7:48
 Operator : JU/SJ
 Sample : J2680-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:42:34 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	220219	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	884079	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	440604	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	868480	20.00	ng	0.00
75) Chrysene-d12	13.99	240	745255	20.00	ng	-0.02
86) Perylene-d12	15.53	264	628891	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1578477	118.08	ng	0.02
7) Phenol-d6	6.43	99	1768148	111.09	ng	0.00
23) Nitrobenzene-d5	7.36	82	1335504	102.38	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	701371	144.28	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2341615	82.49	ng	0.00
78) Terphenyl-d14	12.91	244	2747984	85.65	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.19	42	205	0.021	ng	# 1
6) Aniline	6.56	93	2313	0.100	ng	# 1
8) 2-Chlorophenol	6.57	128	750	0.053	ng	# 1
9) Benzaldehyde	6.42	77	2818	0.231	ng	# 1
10) Phenol	6.43	94	324	0.018	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2313	0.158	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	515	0.030	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	515	0.030	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	515	0.033	ng	# 1
15) Benzyl Alcohol	6.95	79	21132	1.735	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	7.05	45	139	0.005	ng	# 70
18) Hexachloroethane	7.33	117	113	0.021	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	182649	17.332	ng	# 82
22) Acetophenone	7.19	105	2530	0.123	ng	# 81
24) Nitrobenzene	7.36	77	4059	0.274	ng	# 33
25) Isophorone	7.36	82	1335483	45.778	ng	# 64
31) Naphthalene	8.09	128	76485	1.797	ng	# 99
32) Benzoic acid	8.07	122	158	9.162	ng	# 1
33) 4-Chloroaniline	8.09	127	10373	0.586	ng	# 31
35) Caprolactam	8.78	113	167	0.045	ng	# 6
37) 2-Methylnaphthalene	8.78	142	9595	0.323	ng	# 96
45) 1,1'-Biphenyl	9.25	154	9931	0.277	ng	# 97
47) 2-Nitroaniline	9.15	65	4121	6.268	ng	# 4
48) Acenaphthylene	9.68	152	775	0.019	ng	# 60
50) 2,6-Dinitrotoluene	9.82	165	57255	8.846	ng	# 26
51) Acenaphthene	9.86	154	2467	0.092	ng	# 89
54) Dibenzofuran	10.03	168	3446	0.088	ng	# 89
55) 4-Nitrophenol	10.03	139	1120	4.473	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	57255	9.762	ng	# 24
57) Fluorene	10.37	166	4031	0.141	ng	# 86
59) Diethylphthalate	10.24	149	916	0.031	ng	# 61
62) Azobenzene	10.52	77	144	0.005	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.62	198	1587	9.277	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	18011	0.665	ng	# 45

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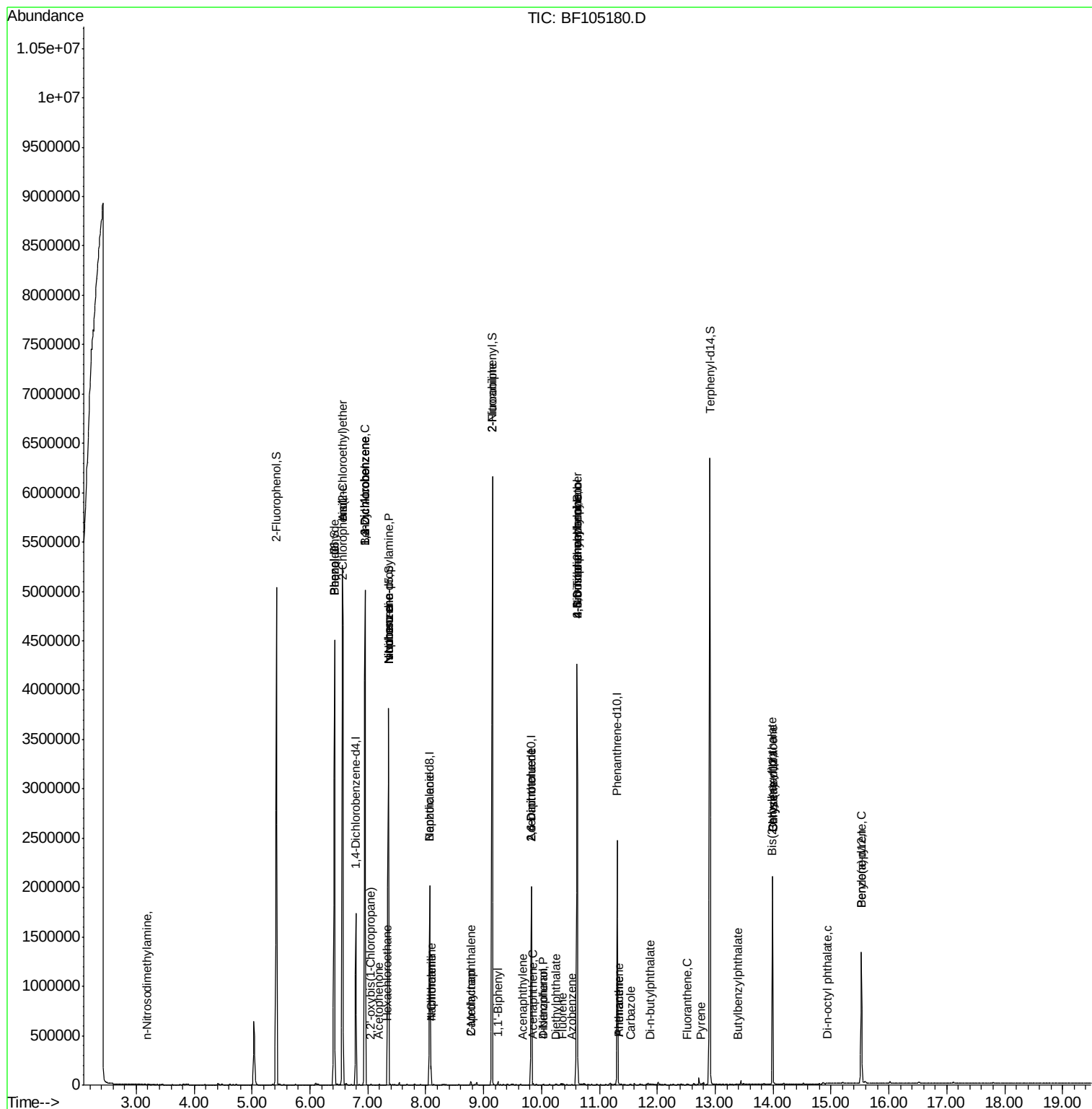
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Bromophenyl-phenylether	10.62	248	40068	4.326	nq	# 1
70) Phenanthrene	11.33	178	8606	0.188	nq	96
71) Anthracene	11.33	178	8606	0.185	nq	96
72) Carbazole	11.54	167	1349	0.032	nq	# 69
73) Di-n-butylphthalate	11.87	149	2146	0.048	nq	# 95
74) Fluoranthene	12.52	202	2103	0.044	nq	88
77) Pyrene	12.75	202	1926	0.036	nq	# 87
79) Butylbenzylphthalate	13.39	149	475	6.920	nq	# 78
80) Benzo(a)anthracene	13.99	228	1944	0.043	nq	# 54
82) Chrysene	13.99	228	1944	0.042	nq	# 53
83) Bis(2-ethylhexyl)phthalate	13.98	149	325	0.015	nq	# 53
84) Di-n-octyl phthalate	14.94	149	855	6.952	nq	# 46
89) Benzo(a)pyrene	15.52	252	2025	0.058	nq	# 64

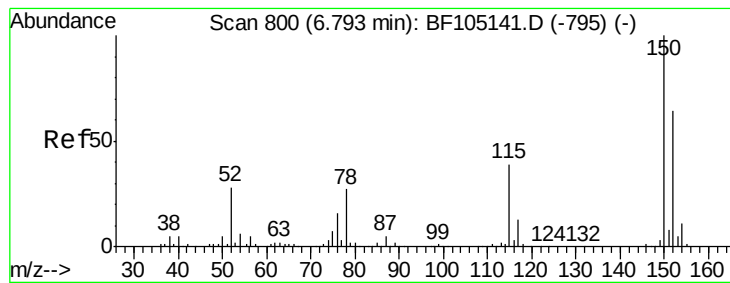
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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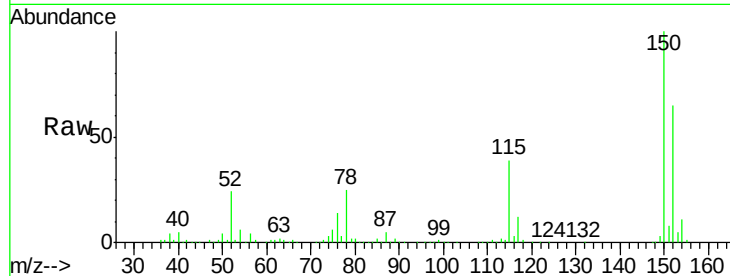


#1

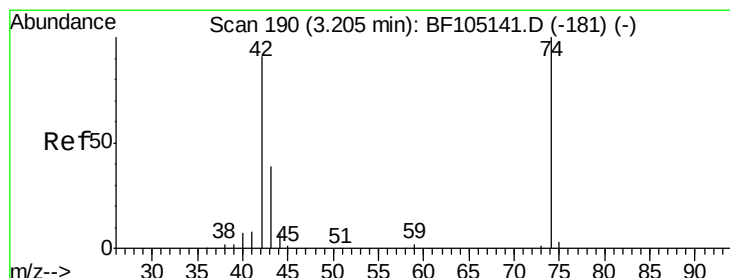
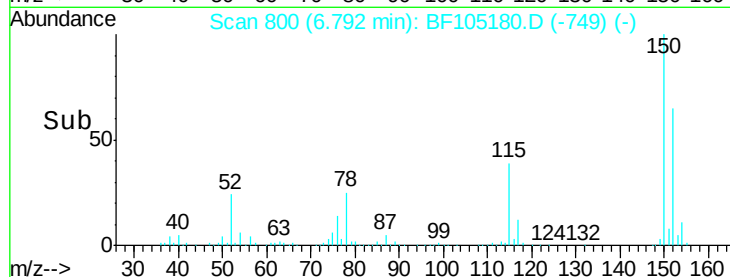
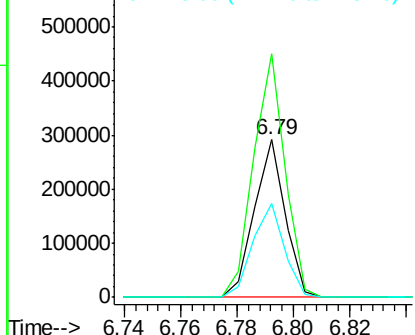
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 220219
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.6 50.1 75.1



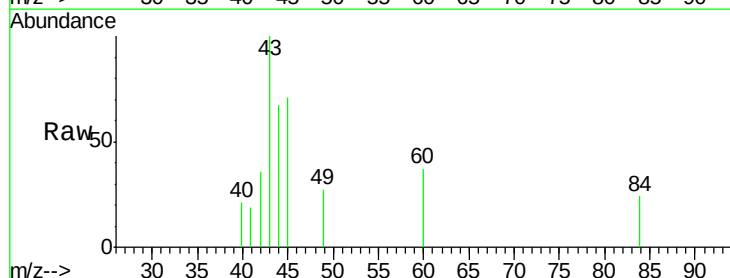
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



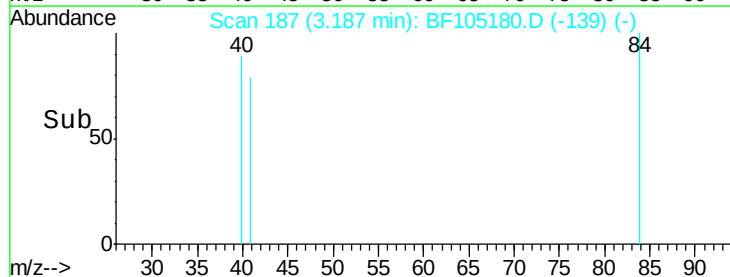
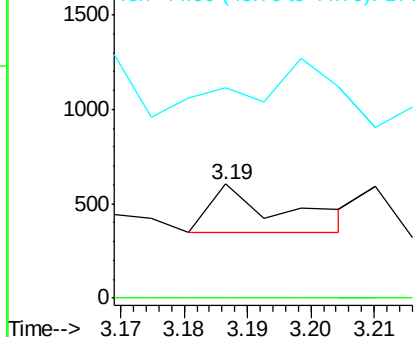
#4

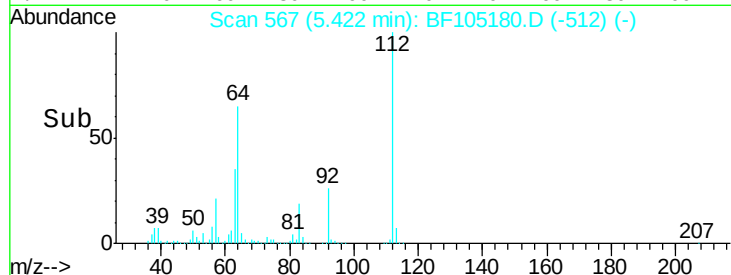
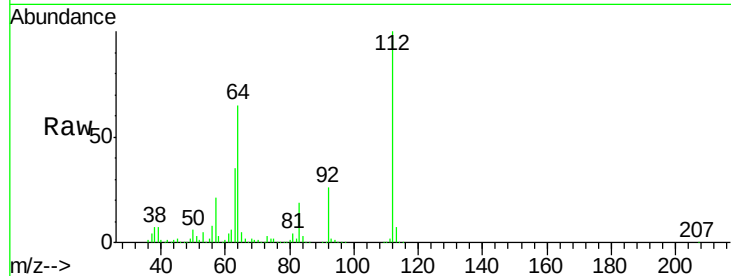
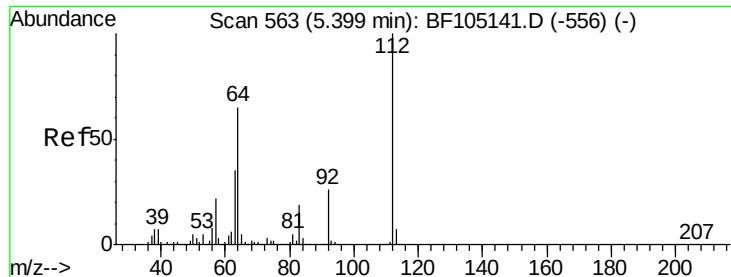
n-Nitrosodimethylamine
Concen: 0.021 ng
RT: 3.19 min Scan# 187
Delta R.T. -0.02 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 184.4 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 118.084 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.02 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

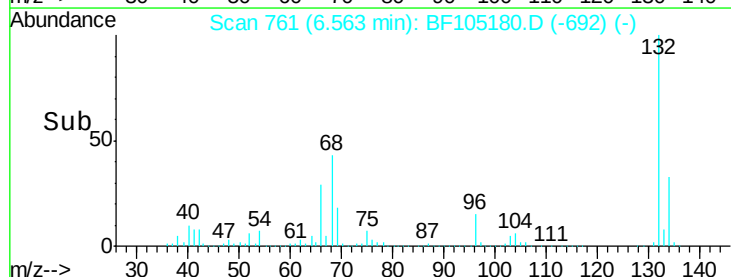
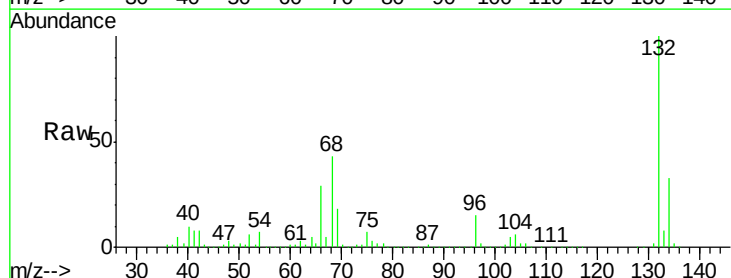
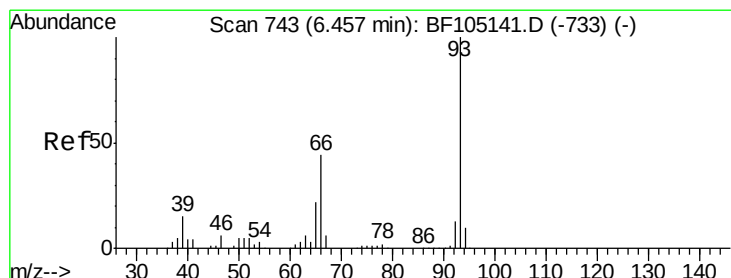
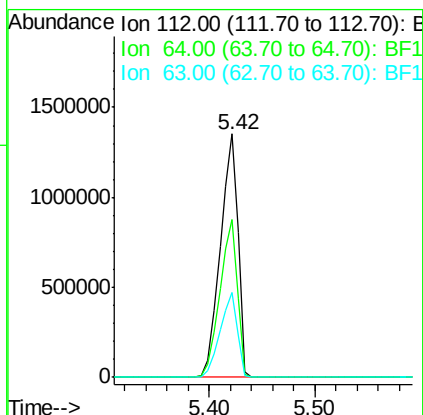
Tot Ion:112 Resp: 1578477

Ion Ratio Lower Upper

112 100

64 64.6 47.9 71.9

63 34.6 23.7 35.5



#6

Aniline

Concen: 0.100 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

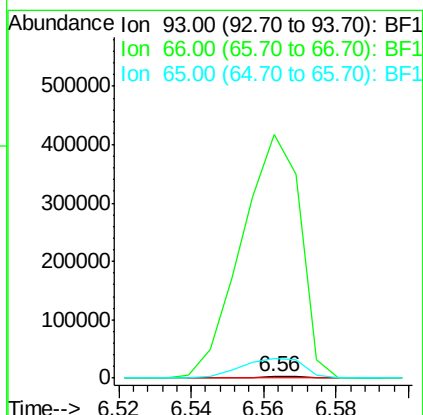
Tgt Ion: 93 Resp: 2313

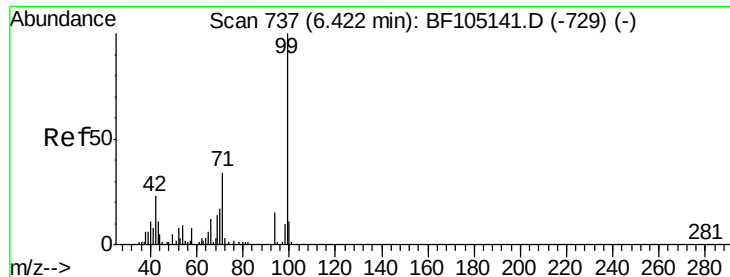
Ion Ratio Lower Upper

93 100

66 16713.8 32.2 48.2#

65 1376.7 16.4 24.6#





#7

Phenol-d6

Concen: 111.088 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

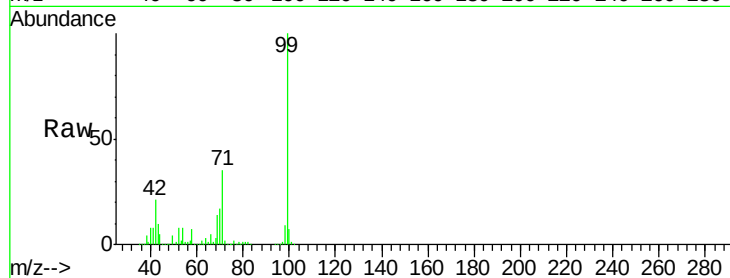
Tot Ion: 99 Resp: 1768148

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

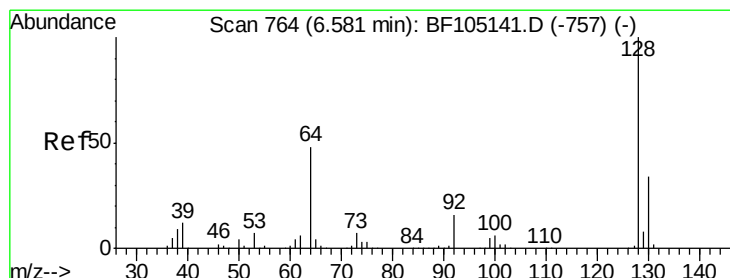
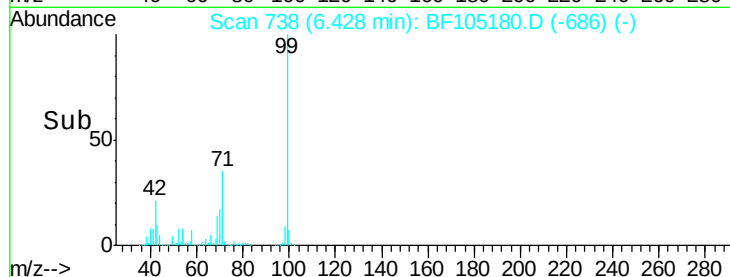
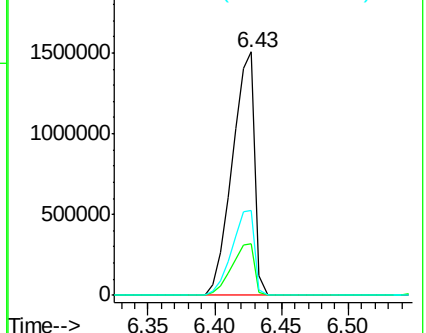
71 35.1 25.4 38.0



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: 0.053 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

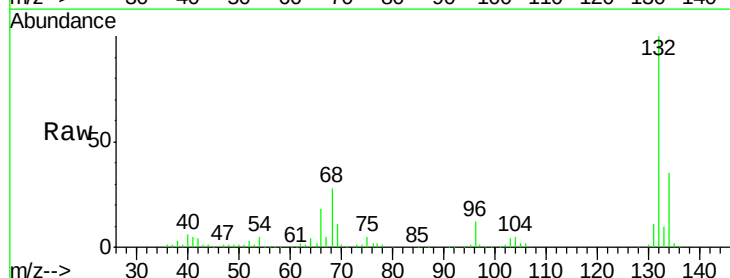
Tgt Ion: 128 Resp: 750

Ion Ratio Lower Upper

128 100

130 130.3 13.0 53.0#

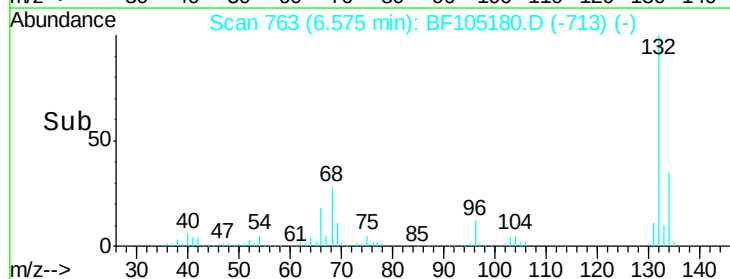
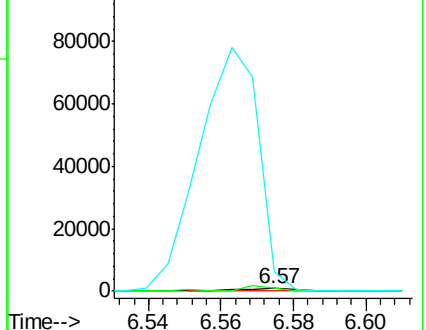
64 815.3 29.4 69.4#

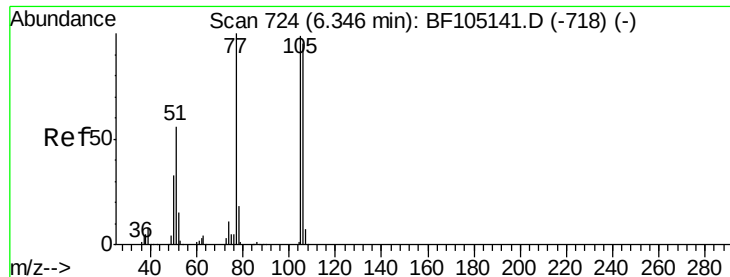


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.231 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.08 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

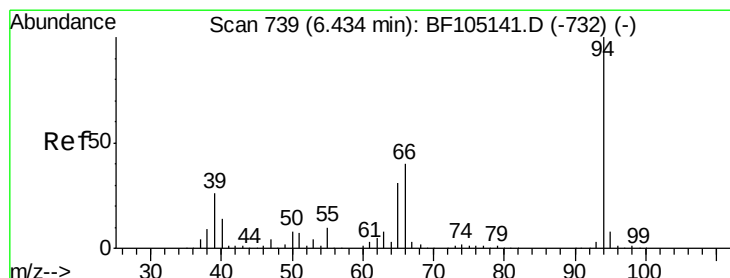
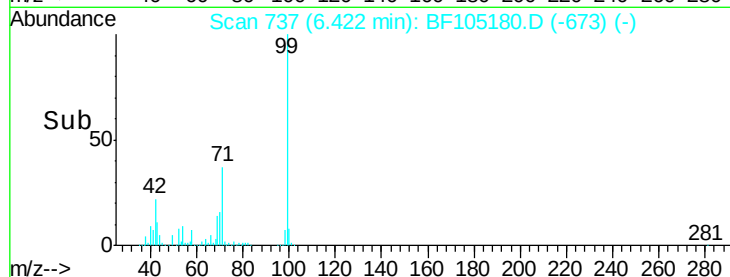
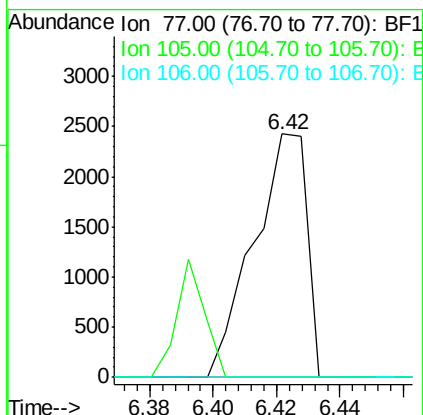
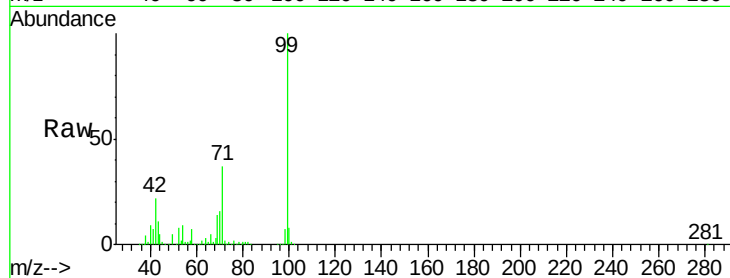
Tot Ion: 77 Resp: 2818

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

106 0.0 74.5 114.5#



#10

Phenol

Concen: 0.018 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

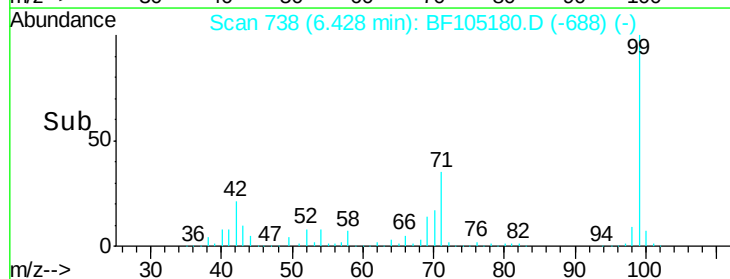
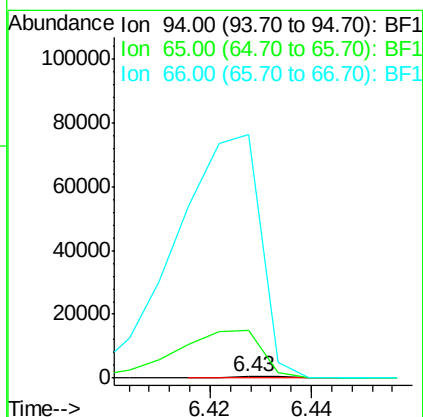
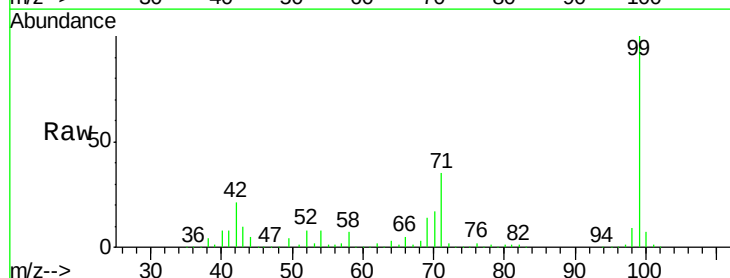
Tgt Ion: 94 Resp: 324

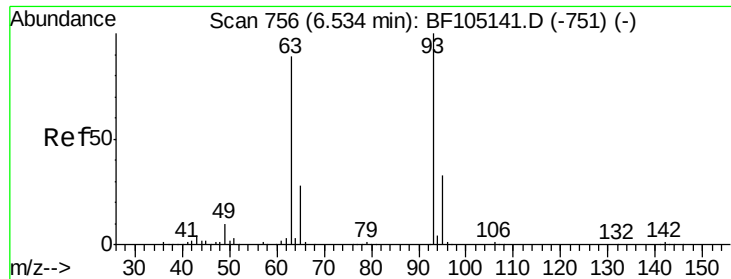
Ion Ratio Lower Upper

94 100

65 3186.2 7.9 47.9#

66 16241.7 16.2 56.2#





#11

bis(2-Chloroethyl)ether

Concen: 0.158 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampled :

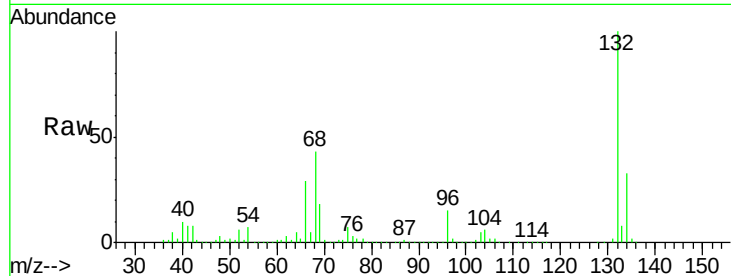
Tot Ion: 93 Resp: 2313

Ion Ratio Lower Upper

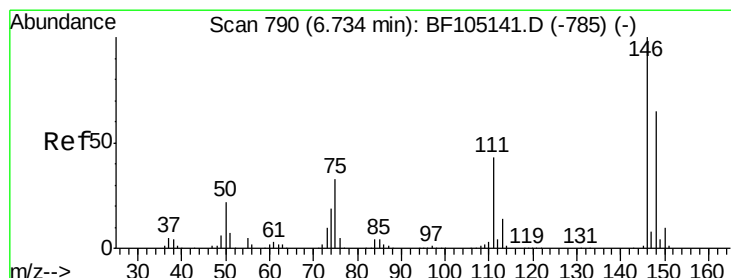
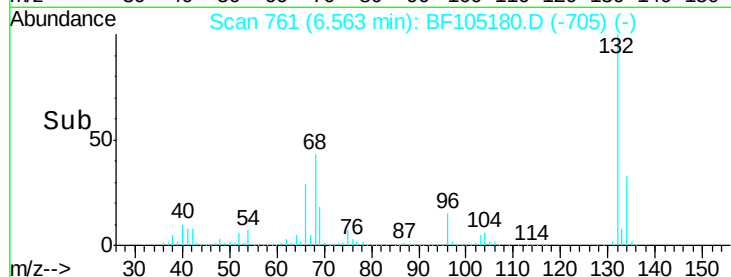
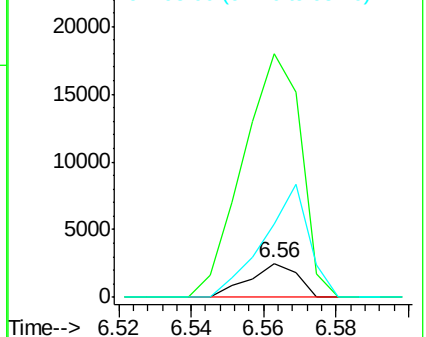
93 100

63 719.9 58.6 98.6#

95 217.6 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: 0.030 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.22 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

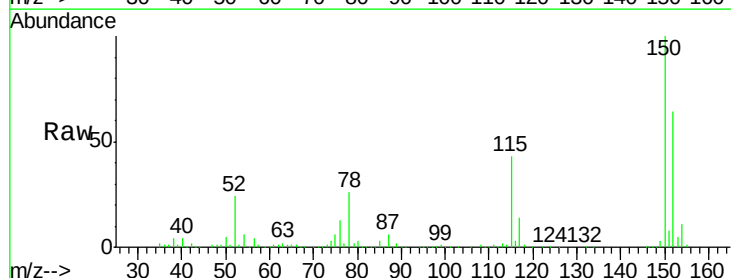
Tgt Ion: 146 Resp: 515

Ion Ratio Lower Upper

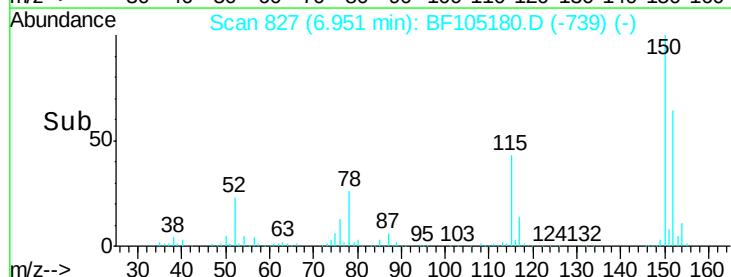
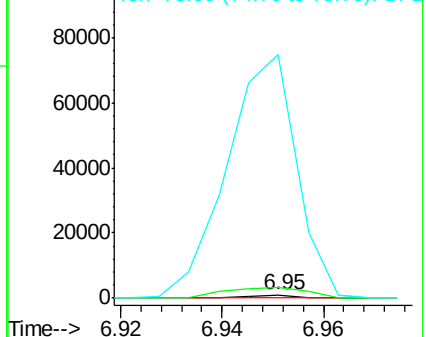
146 100

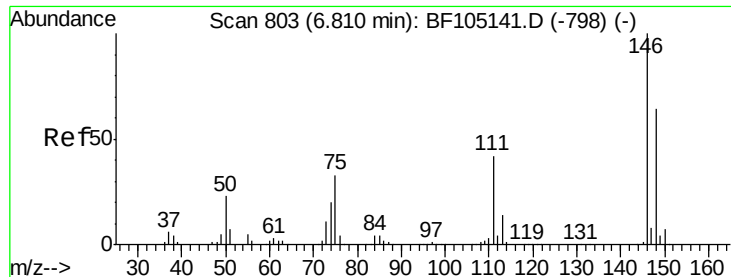
148 347.3 51.8 77.8#

75 7697.1 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

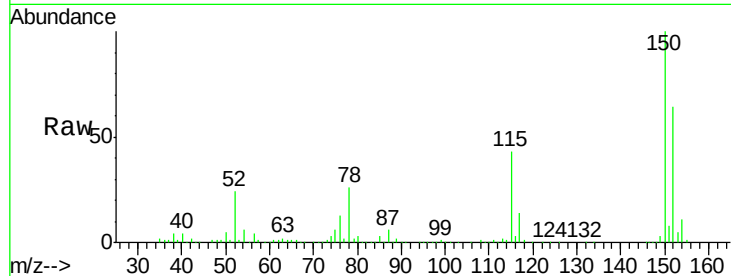




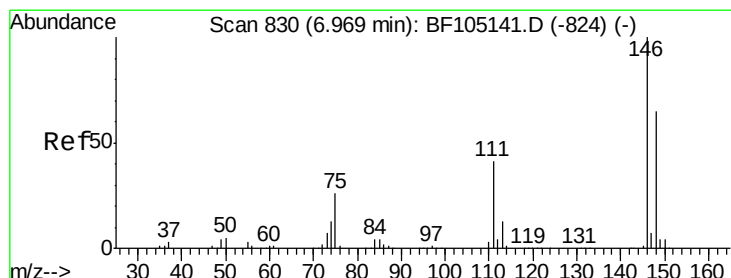
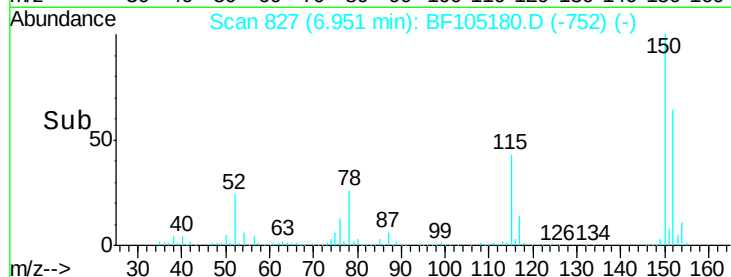
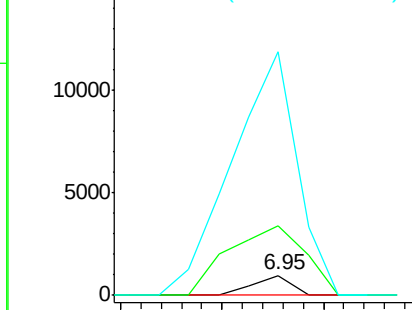
#13
 1,4-Dichlorobenzene
 Concen: 0.030 ng
 RT: 6.95 min Scan# 827
 Delta R.T. 0.14 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 515
 Ion Ratio Lower Upper
 146 100
 148 347.3 50.8 76.2#
 111 1222.3 34.2 51.2#

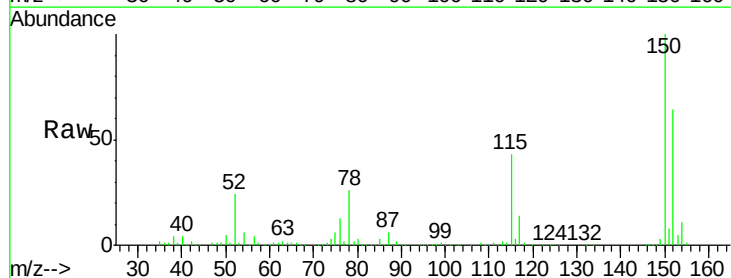


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

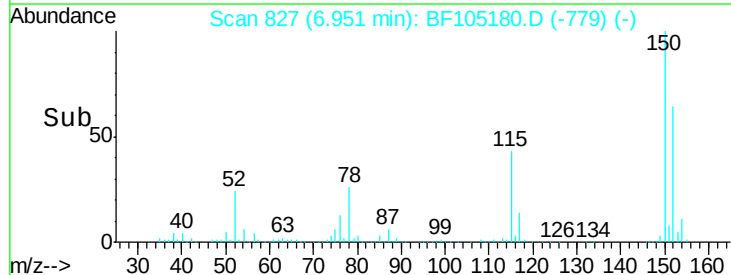
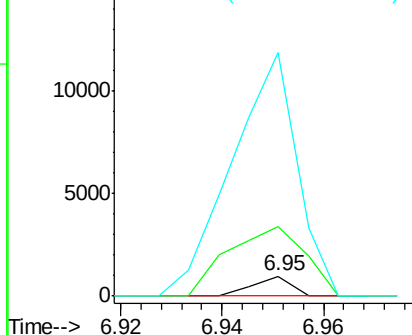


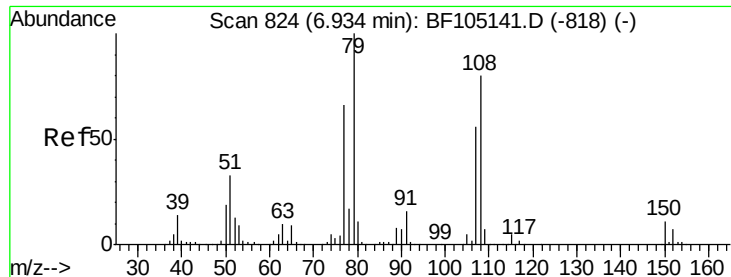
#14
 1,2-Dichlorobenzene
 Concen: 0.033 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Tgt Ion:146 Resp: 515
 Ion Ratio Lower Upper
 146 100
 148 347.3 50.6 75.8#
 111 1222.3 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: 1.735 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.02 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

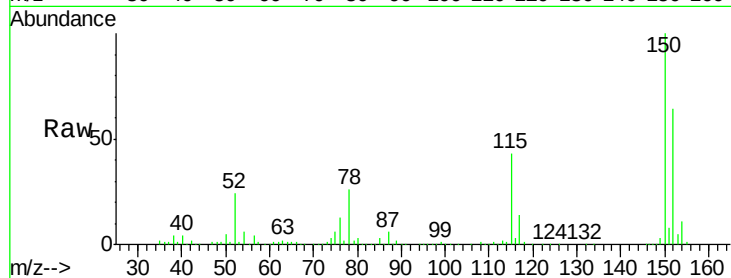
Tot Ion: 79 Resp: 21132

Ion Ratio Lower Upper

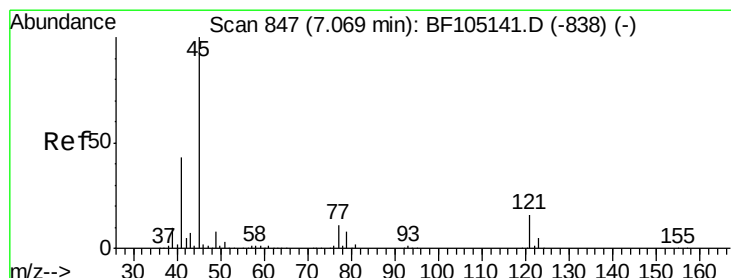
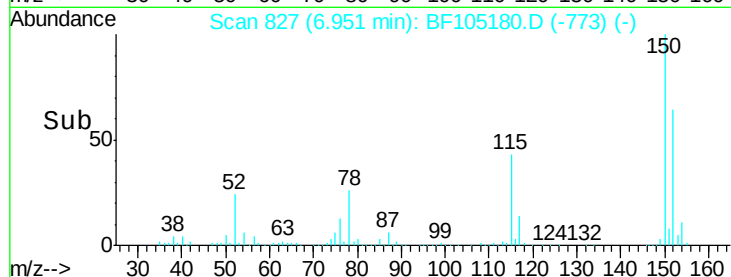
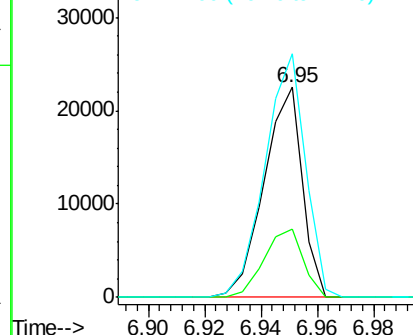
79 100

108 32.4 65.1 97.7#

77 116.1 50.6 75.8#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.005 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

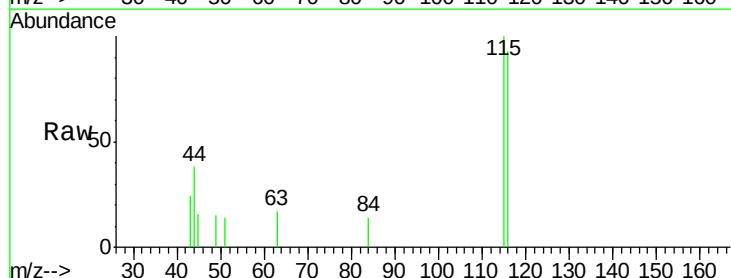
Tgt Ion: 45 Resp: 139

Ion Ratio Lower Upper

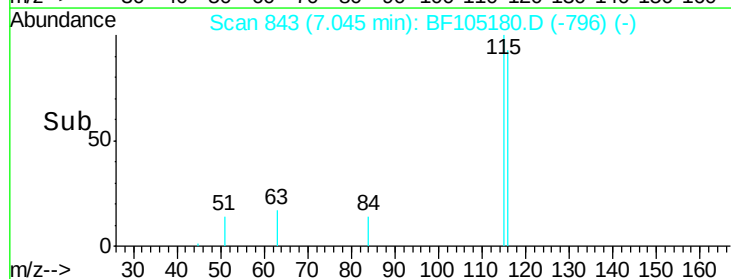
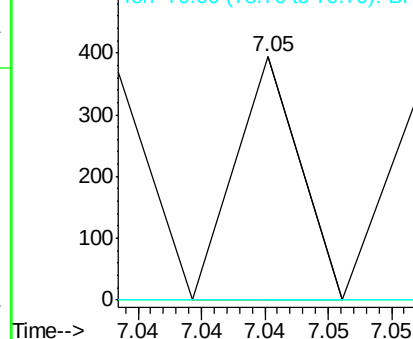
45 100

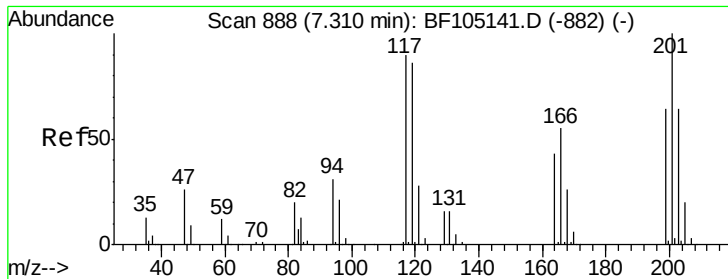
77 0.0 0.0 32.9

79 0.0 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

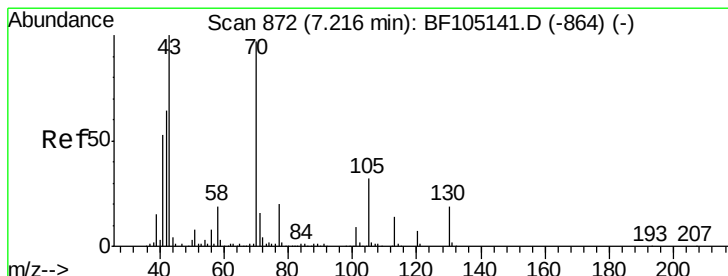
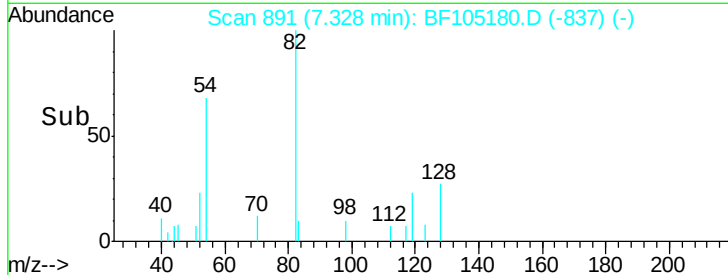
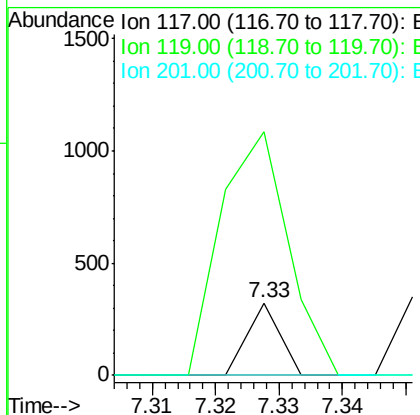
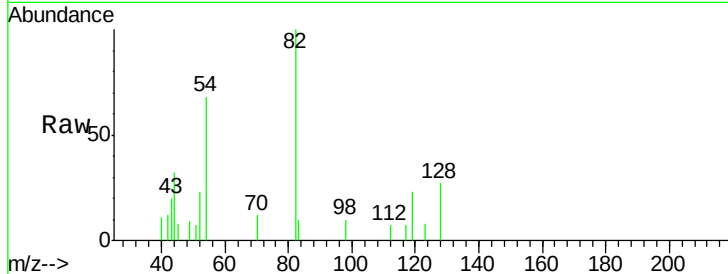




#18
Hexachloroethane
Concen: 0.021 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

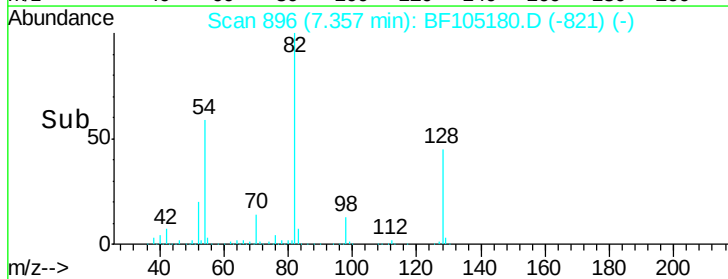
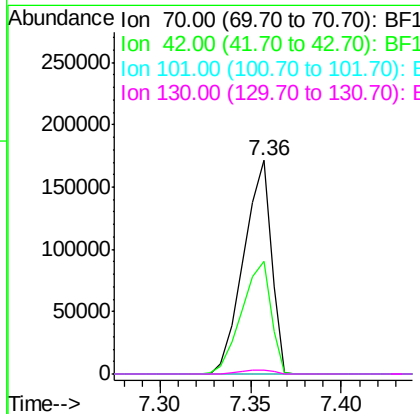
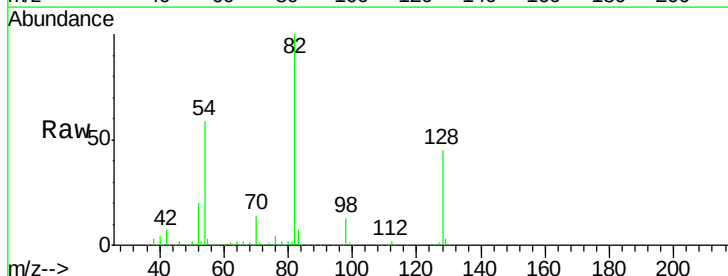
Instrument :
BNA_F
ClientSampled :

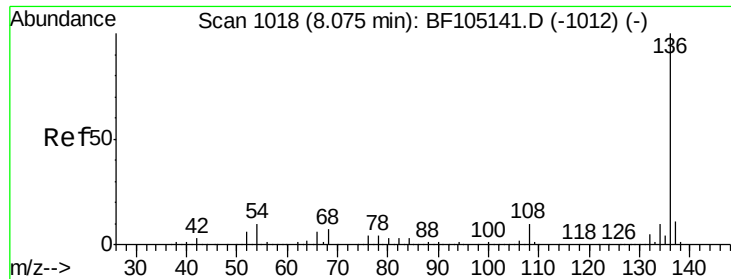
Tot Ion:117 Resp: 113
Ion Ratio Lower Upper
117 100
119 338.0 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 17.332 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion: 70 Resp: 182649
Ion Ratio Lower Upper
70 100
42 52.8 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#

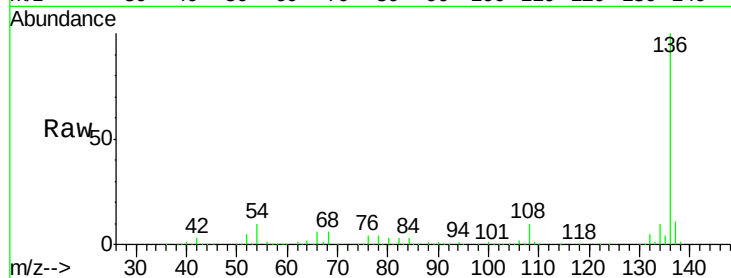




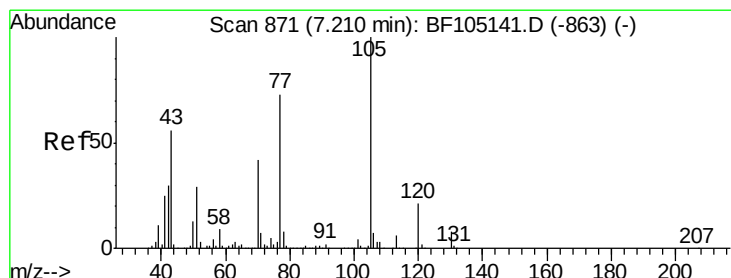
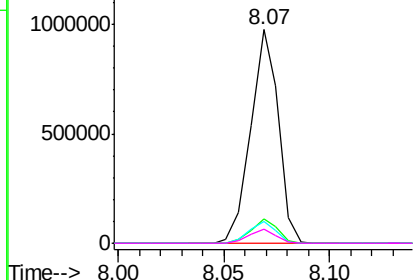
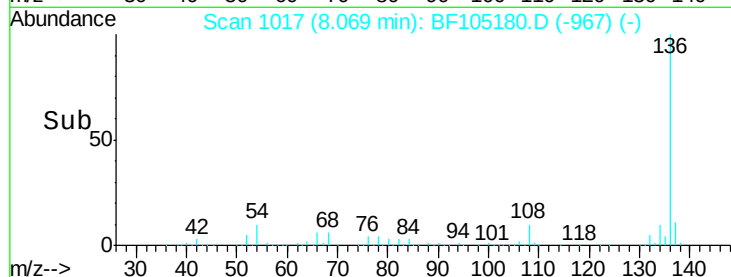
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	884079
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	10.1	6.6 9.8#
68	6.3	5.0 7.4

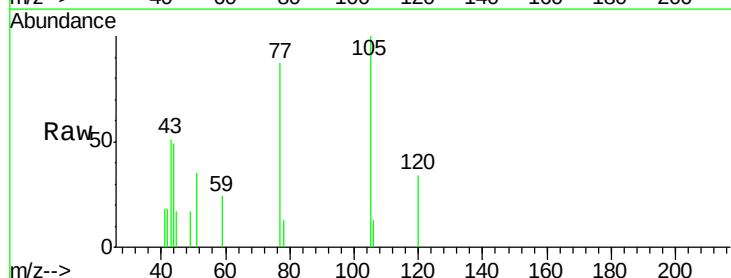


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

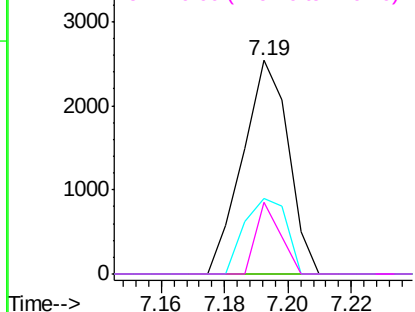
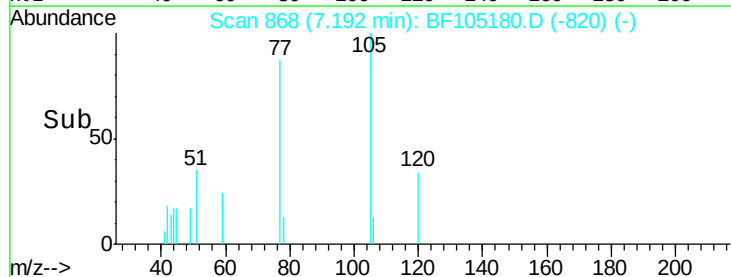


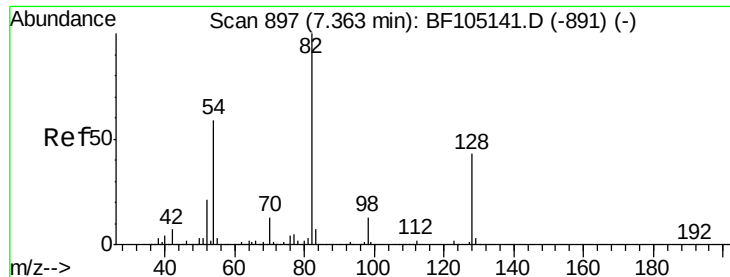
#22
Acetophenone
Concen: 0.123 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:105	Resp:	2530
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	35.3	22.3 33.5#
120	33.5	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

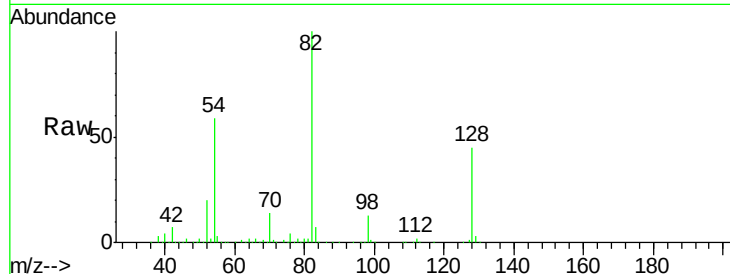




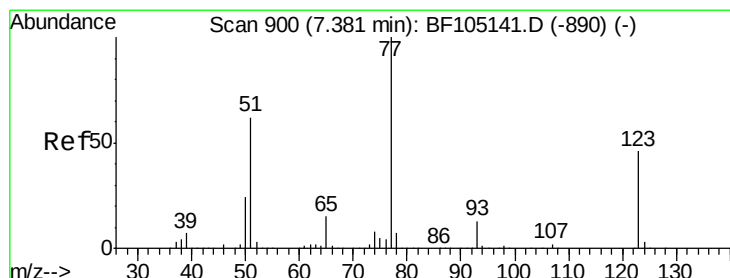
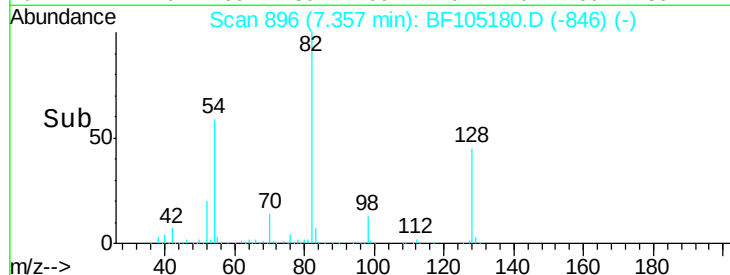
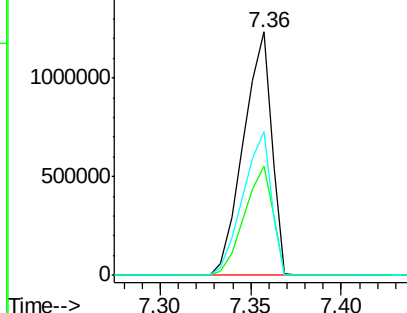
#23
Nitrobenzene-d5
Concen: 102.380 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1335504
Ion Ratio Lower Upper
82 100
128 44.8 36.1 54.1
54 59.0 41.4 62.2

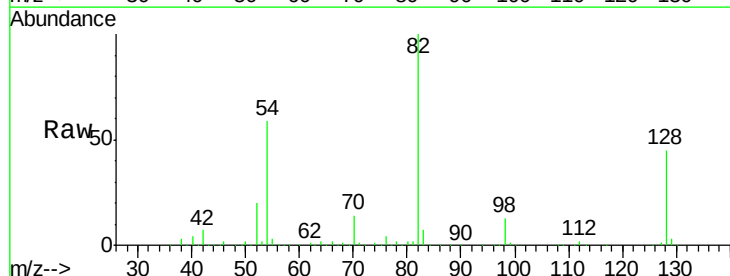


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

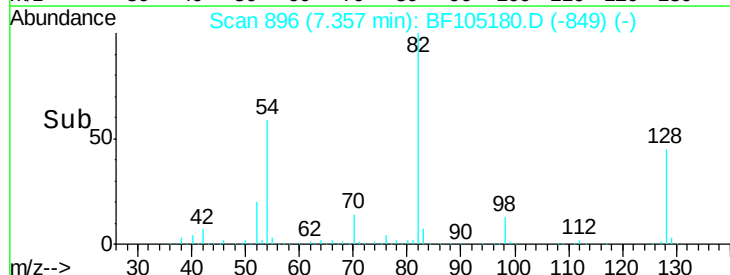
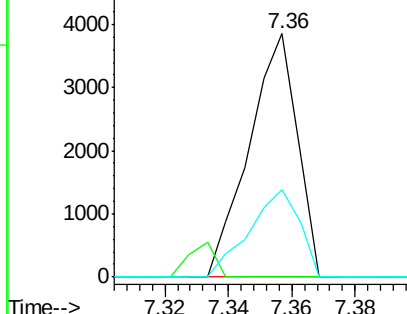


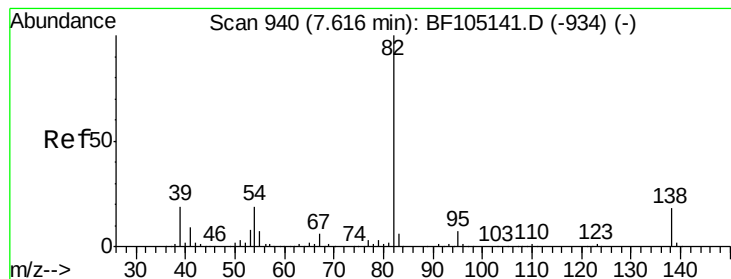
#24
Nitrobenzene
Concen: 0.274 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion: 77 Resp: 4059
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 36.2 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





#25

Isophorone

Concen: 45.778 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

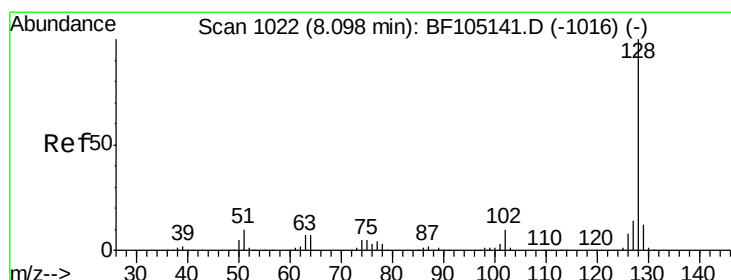
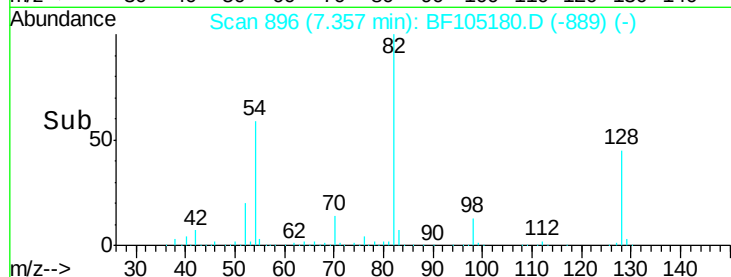
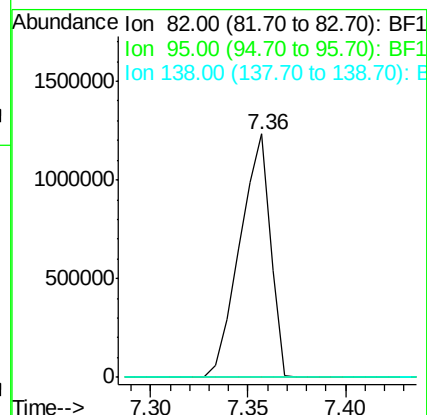
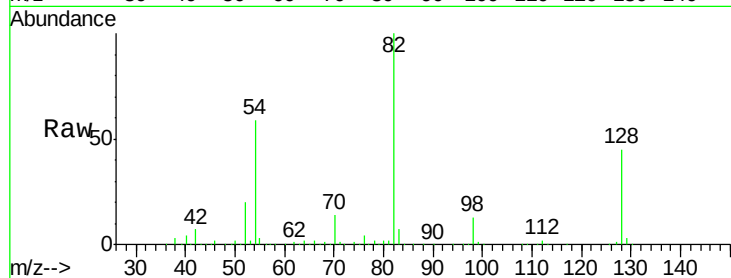
Tot Ion: 82 Resp: 1335483

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 1.797 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

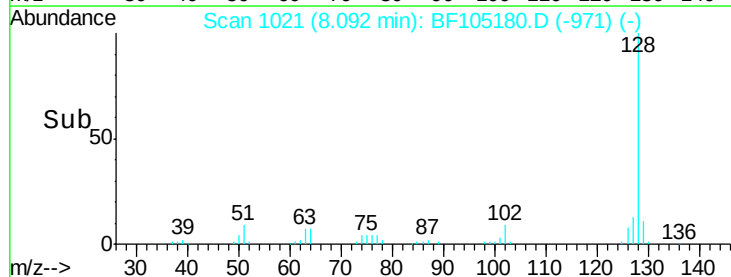
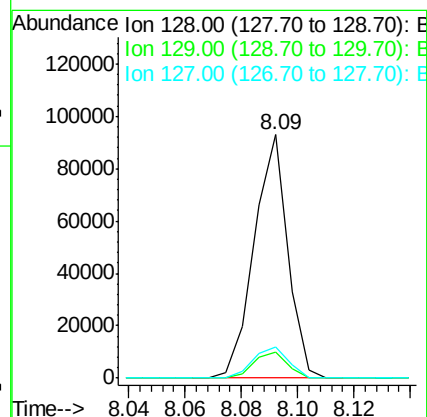
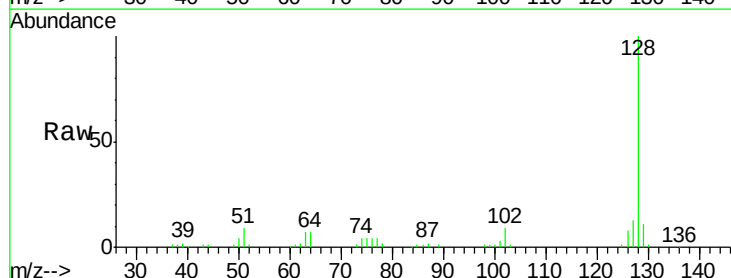
Tgt Ion: 128 Resp: 76485

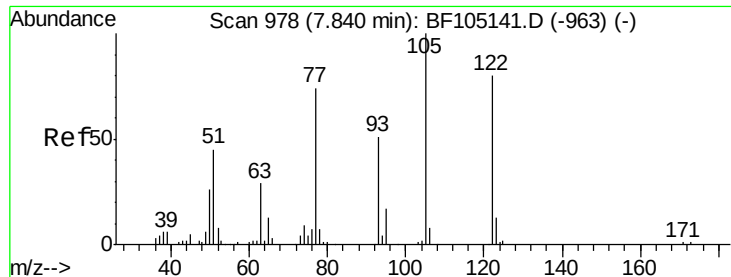
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.7 10.9 16.3

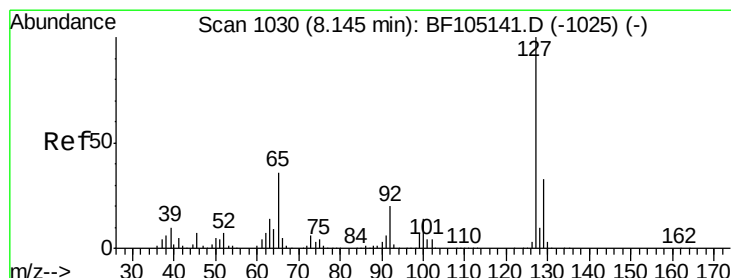
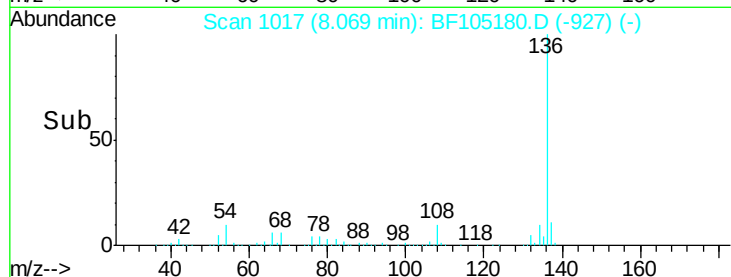
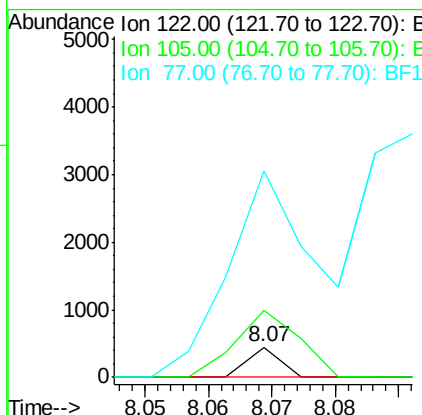
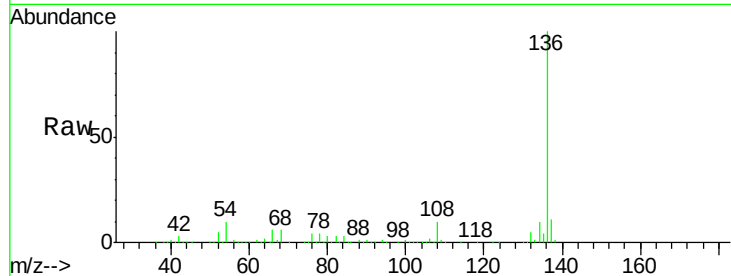




#32
Benzoic acid
Concen: 9.162 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.23 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

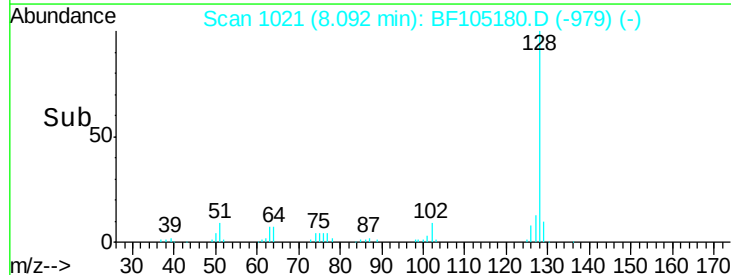
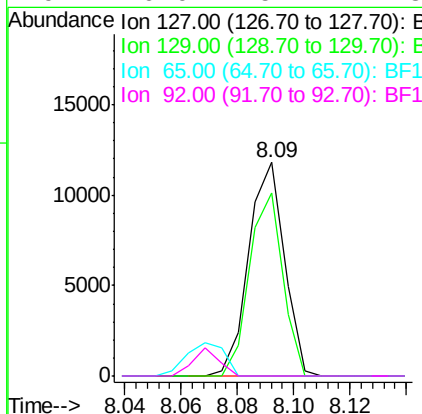
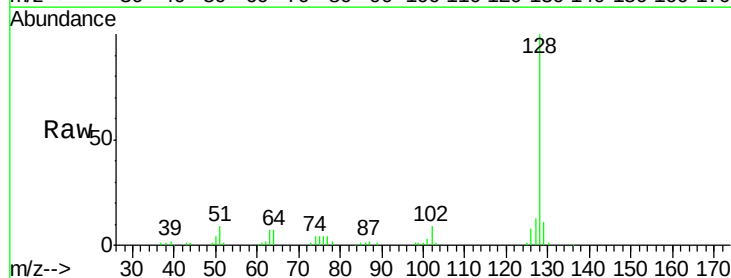
Instrument :
BNA_F
ClientSampleId :

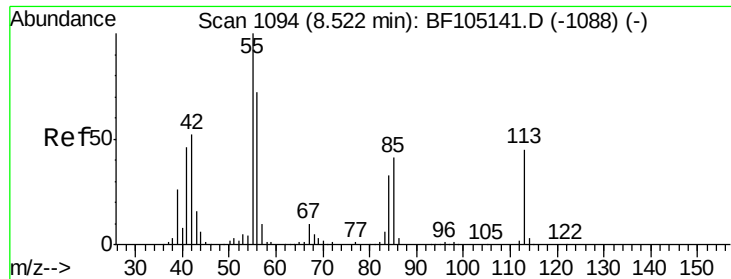
Tot Ion:122 Resp: 158
Ion Ratio Lower Upper
122 100
105 219.4 101.1 141.1#
77 683.0 70.7 110.7#



#33
4-Chloroaniline
Concen: 0.586 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:127 Resp: 10373
Ion Ratio Lower Upper
127 100
129 86.0 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

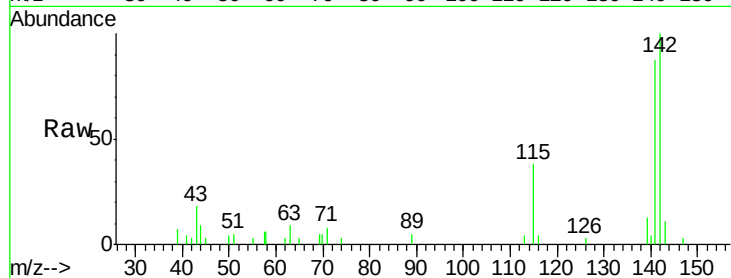




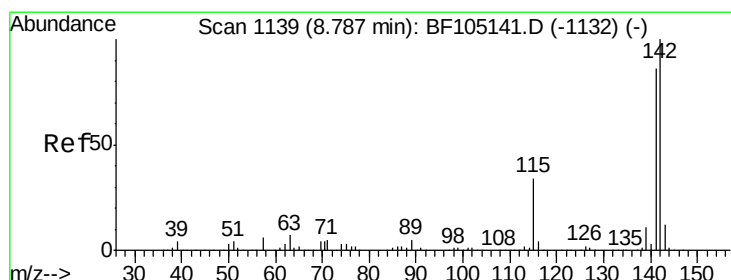
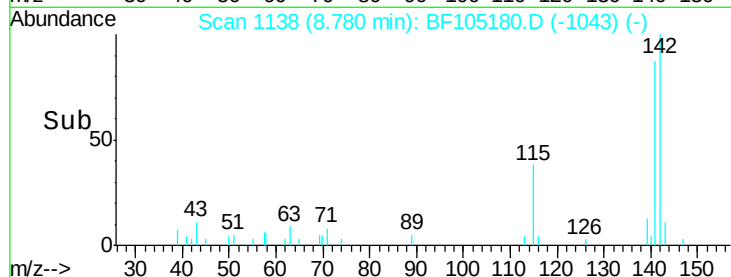
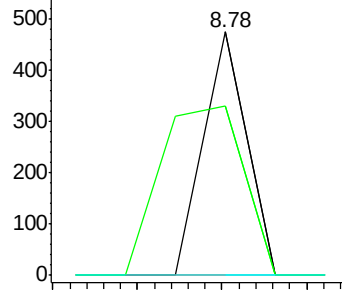
#35
Caprolactam
Concen: 0.045 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.26 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 167
Ion Ratio Lower Upper
113 100
55 69.4 163.3 203.3#
56 0.0 115.7 155.7#

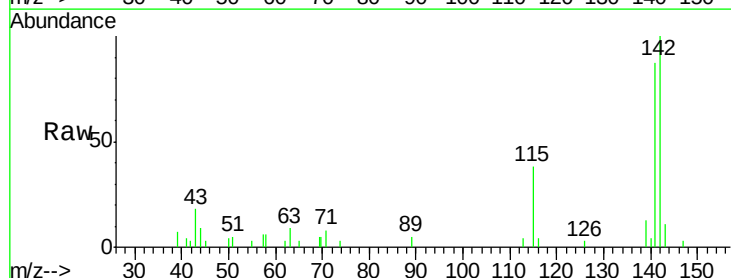


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

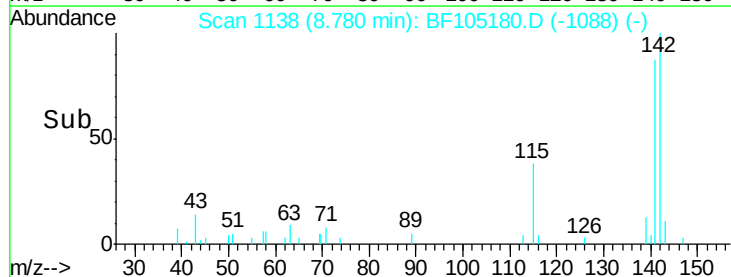
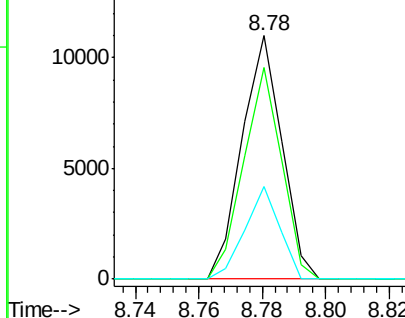


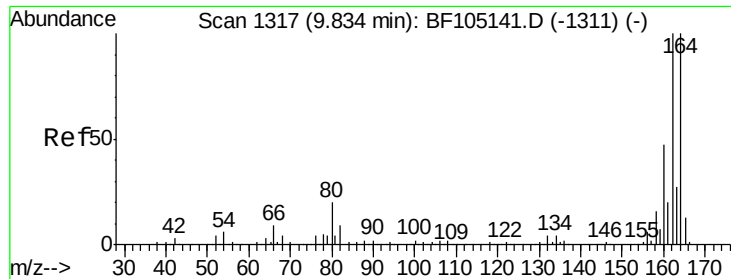
#37
2-Methylnaphthalene
Concen: 0.323 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:142 Resp: 9595
Ion Ratio Lower Upper
142 100
141 86.7 70.8 106.2
115 38.3 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

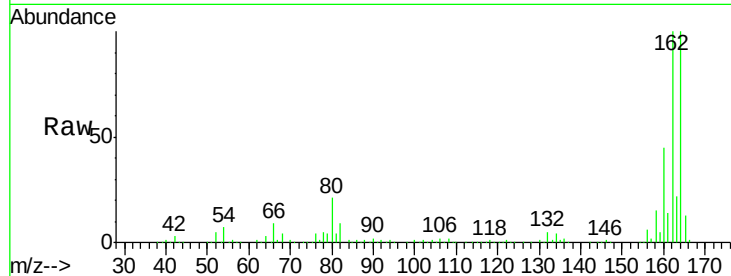




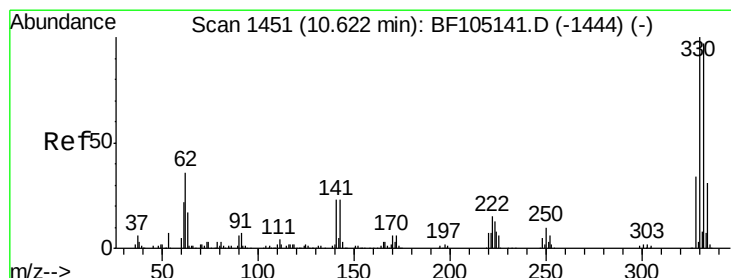
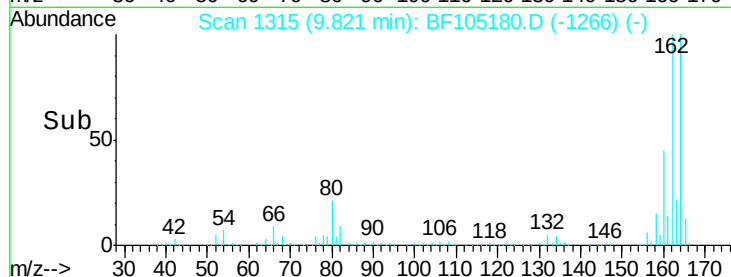
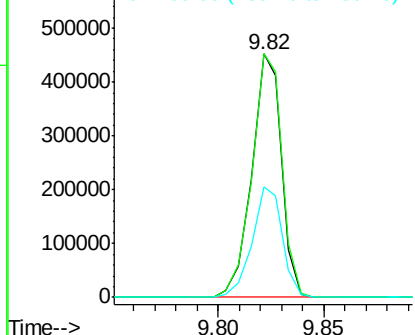
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 440604
Ion Ratio Lower Upper
164 100
162 100.0 86.1 129.1
160 45.2 38.3 57.5

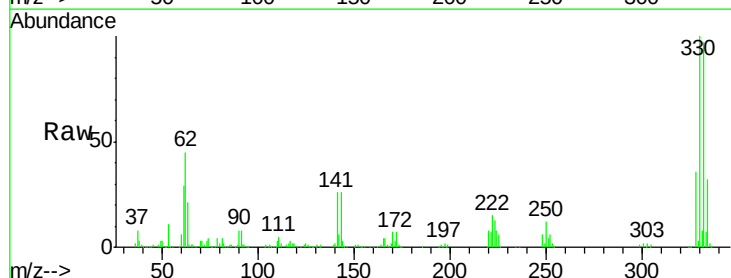


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

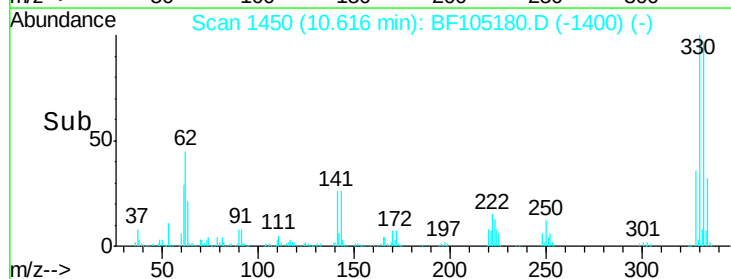
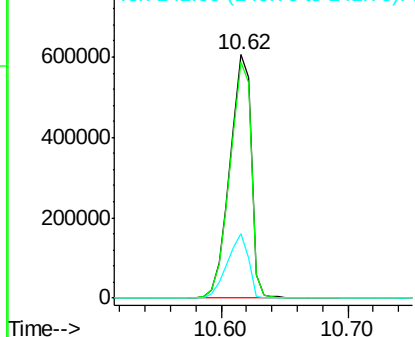


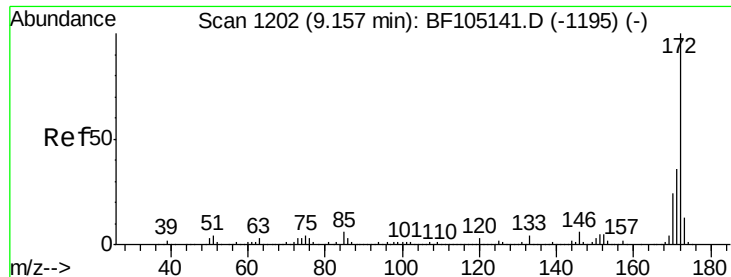
#41
2,4,6-Tribromophenol
Concen: 144.283 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:330 Resp: 701371
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 26.6 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

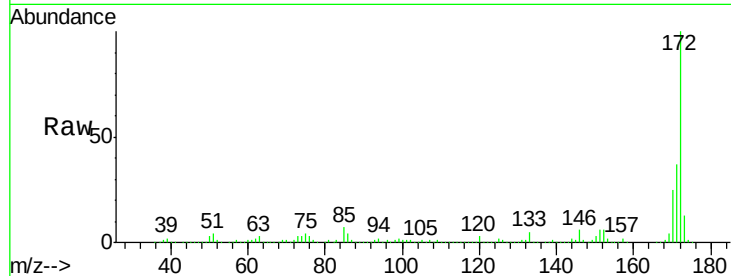




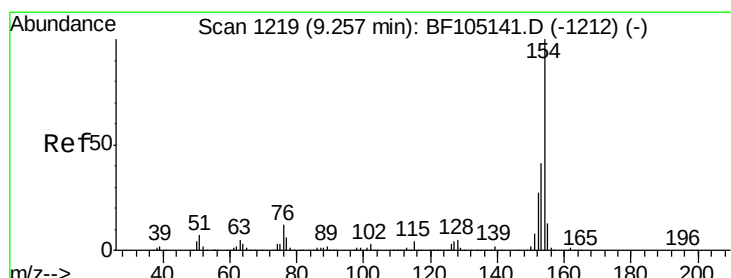
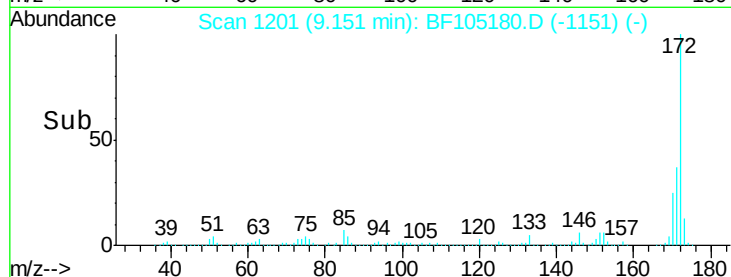
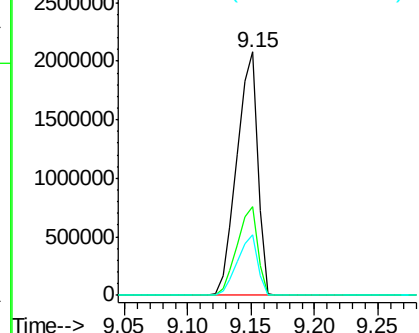
#44
2-Fluorobiphenyl
Concen: 82.487 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2341615
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.7 19.6 29.4

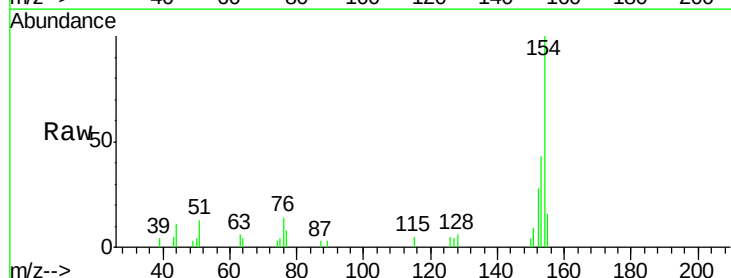


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

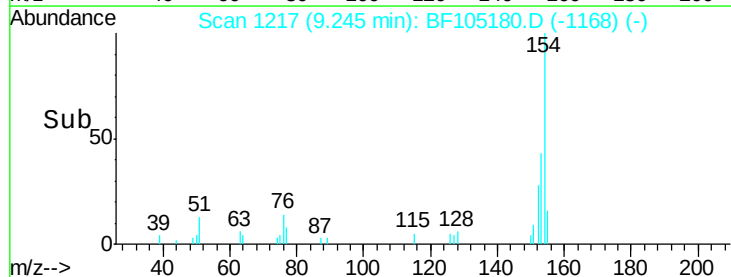
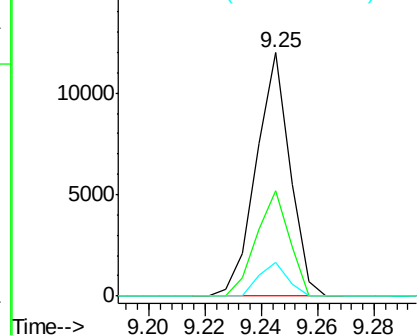


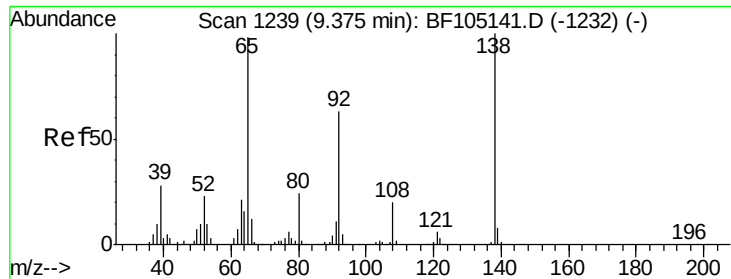
#45
1,1'-Biphenyl
Concen: 0.277 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:154 Resp: 9931
Ion Ratio Lower Upper
154 100
153 43.3 21.3 61.3
76 13.6 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





#47

2-Nitroaniline

Concen: 6.268 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.23 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampled :

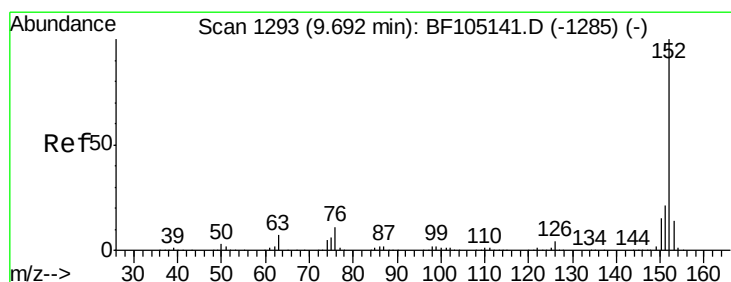
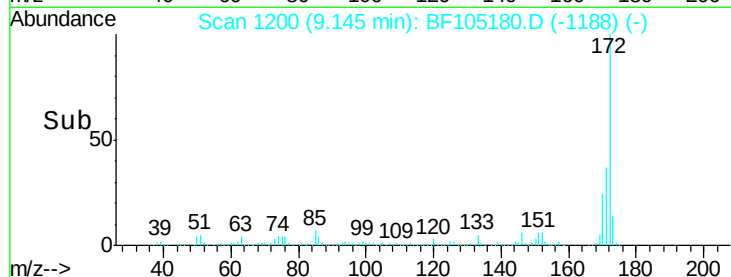
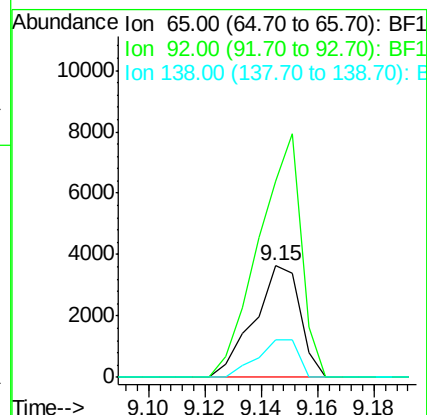
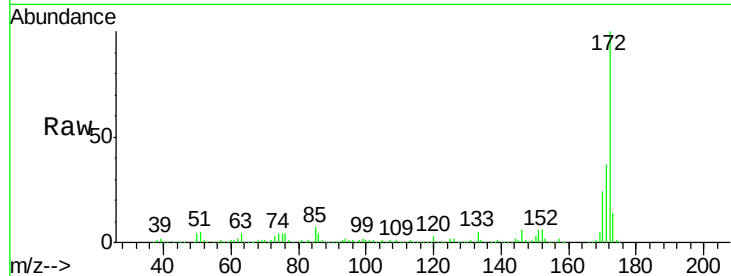
Tot Ion: 65 Resp: 4121

Ion Ratio Lower Upper

65 100

92 176.7 55.8 83.6#

138 33.8 91.2 136.8#



#48

Acenaphthylene

Concen: 0.019 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

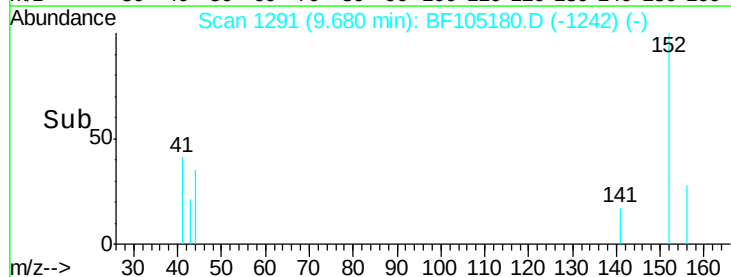
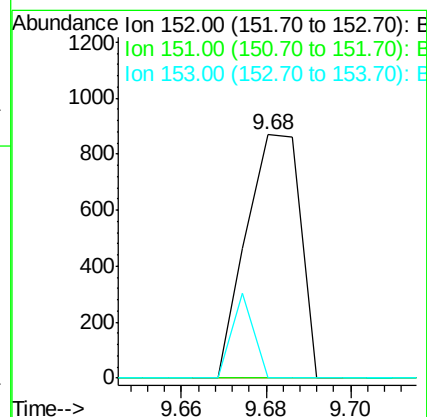
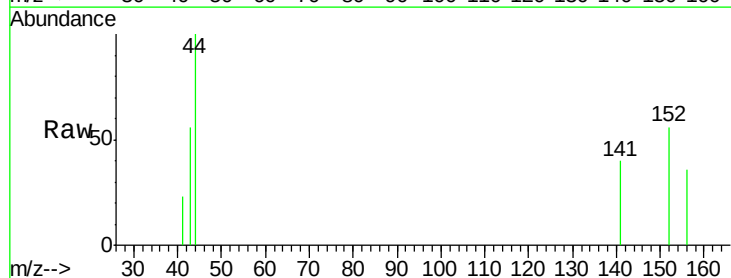
Tgt Ion: 152 Resp: 775

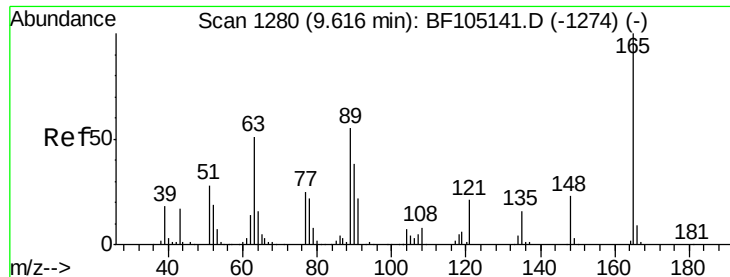
Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

153 0.0 10.7 16.1#

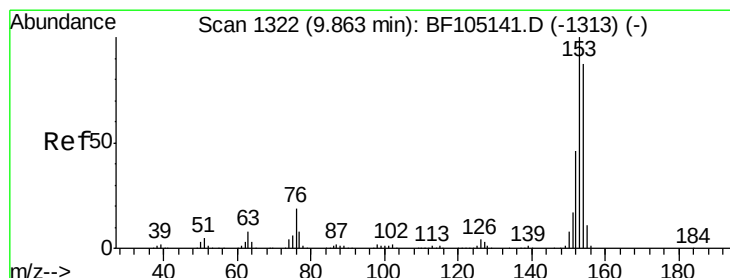
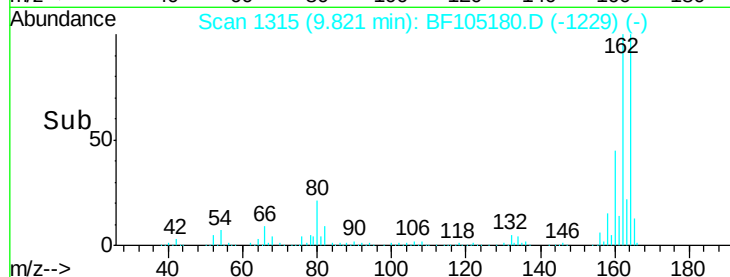
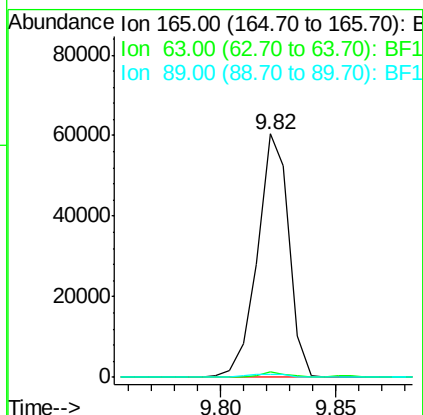
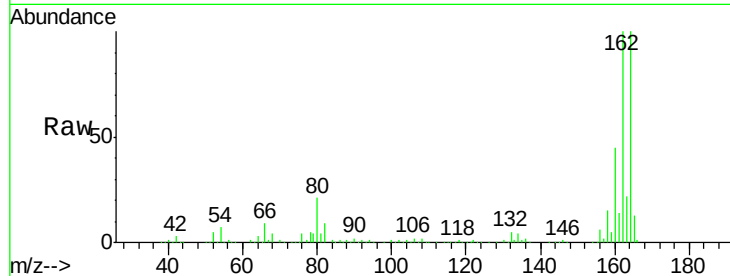




#50
 2,6-Dinitrotoluene
 Concen: 8.846 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

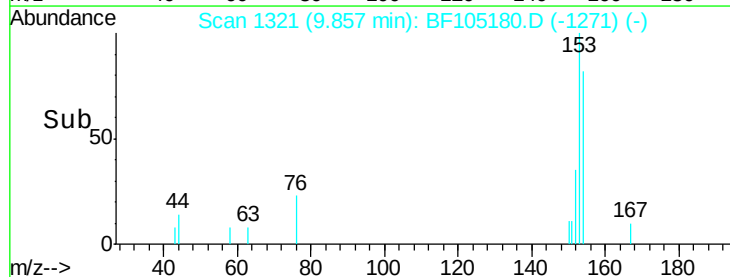
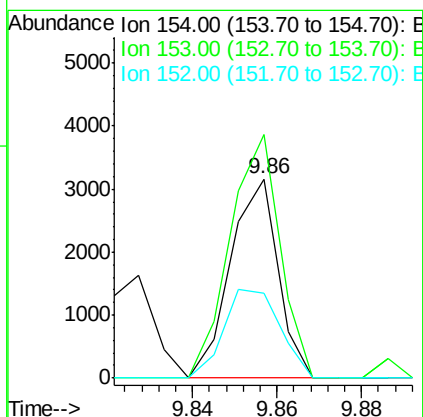
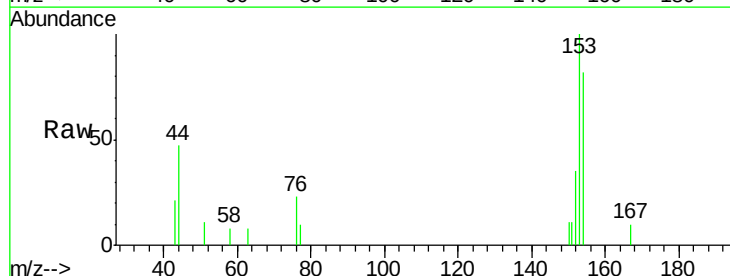
Instrument :
 BNA_F
 ClientSampleId :

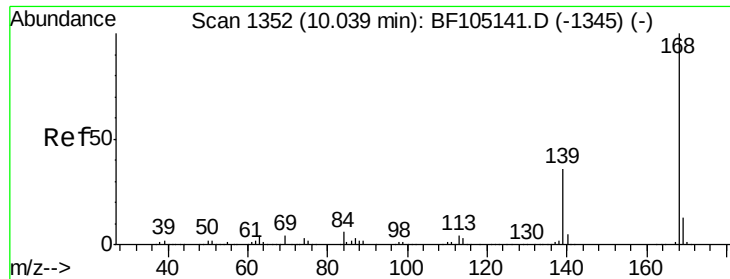
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.2	44.0	66.0#



#51
 Acenaphthene
 Concen: 0.092 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	122.4	91.2	136.8
152	42.9	43.8	65.8#

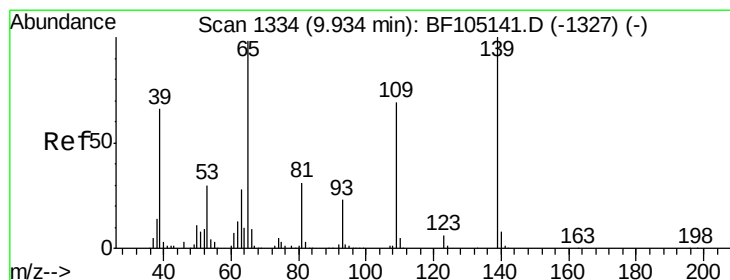
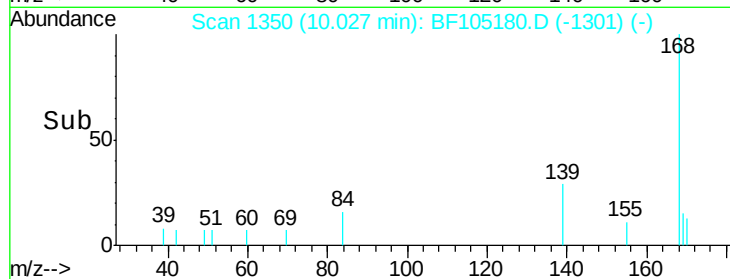
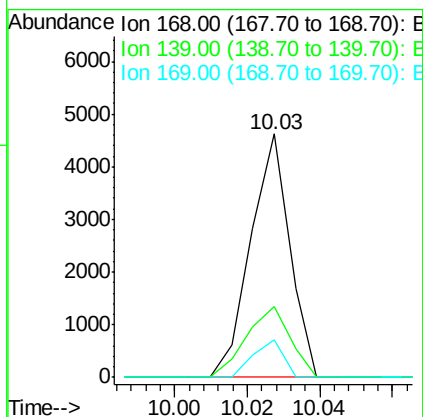
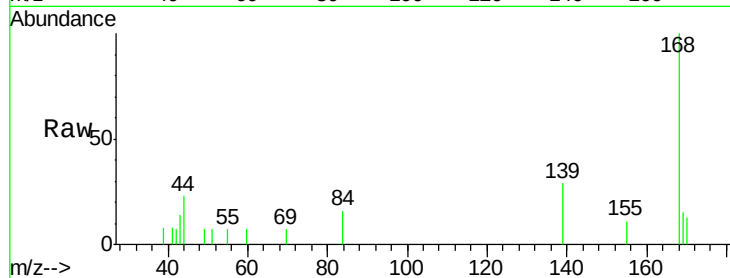




#54
Dibenzenofuran
Concen: 0.088 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

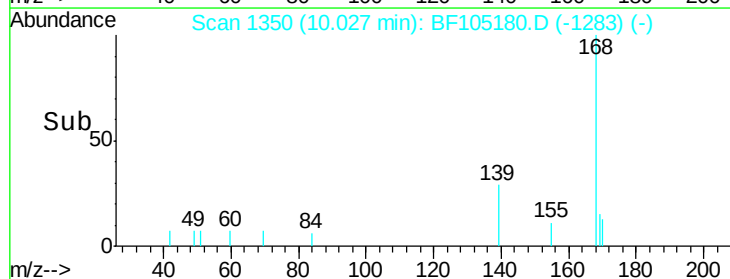
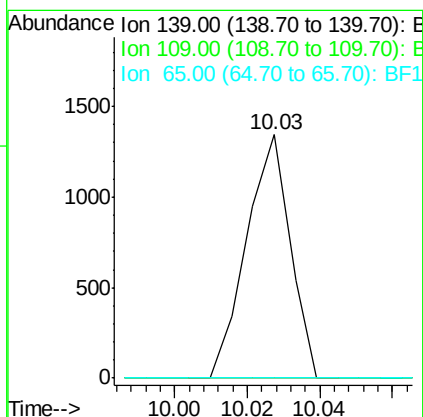
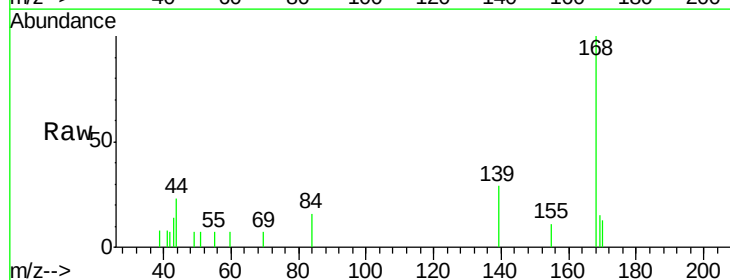
Instrument :
BNA_F
ClientSampleId :

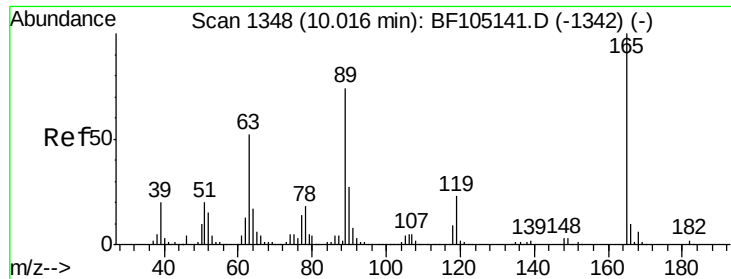
Tot Ion:168 Resp: 3446
Ion Ratio Lower Upper
168 100
139 29.1 30.1 45.1#
169 15.2 10.9 16.3



#55
4-Nitrophenol
Concen: 4.473 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.09 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:139 Resp: 1120
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

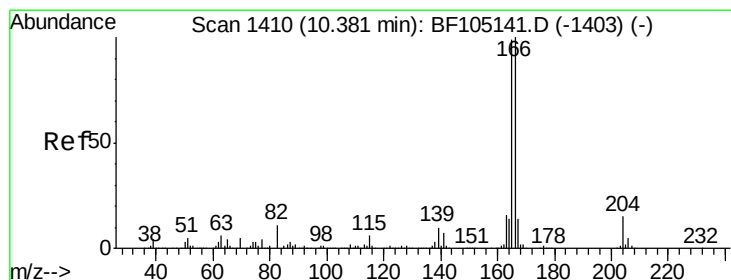
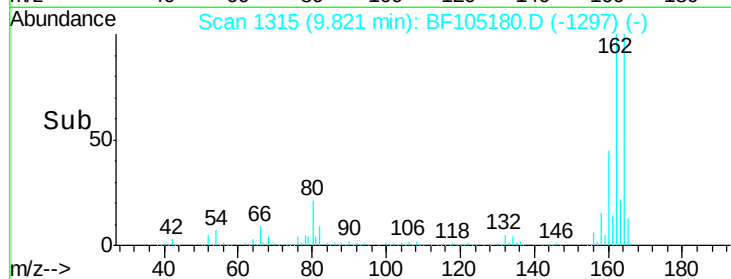
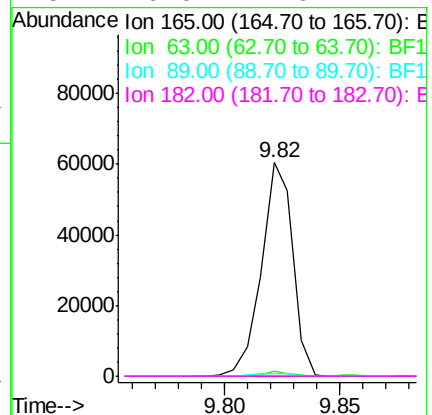
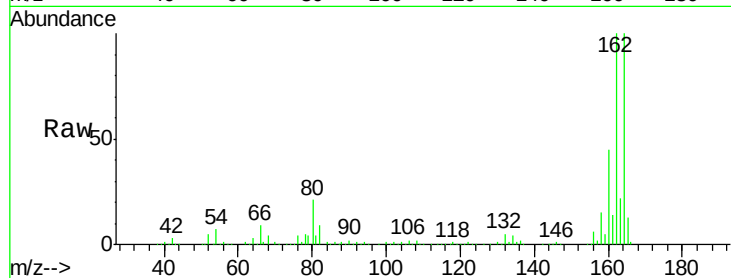




#56
2,4-Dinitrotoluene
Concen: 9.762 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

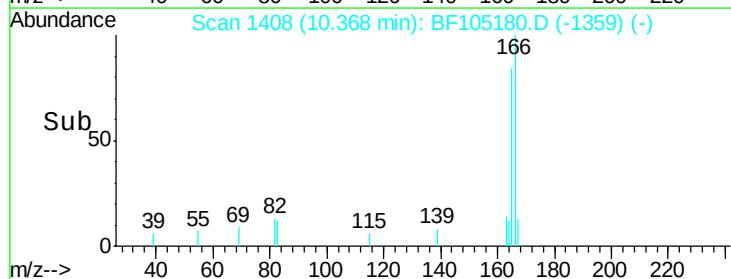
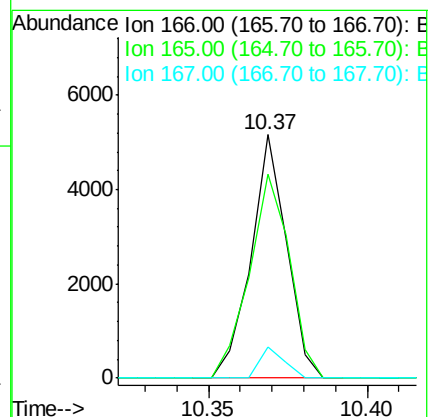
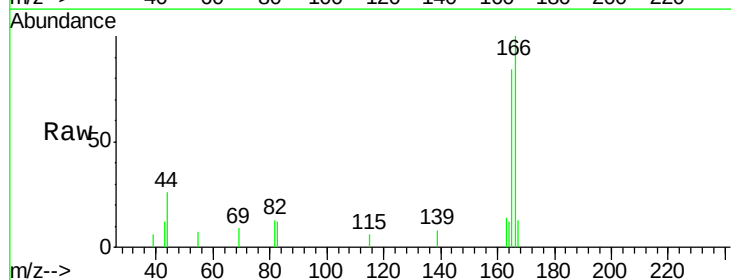
Instrument :
BNA_F
ClientSampleId :

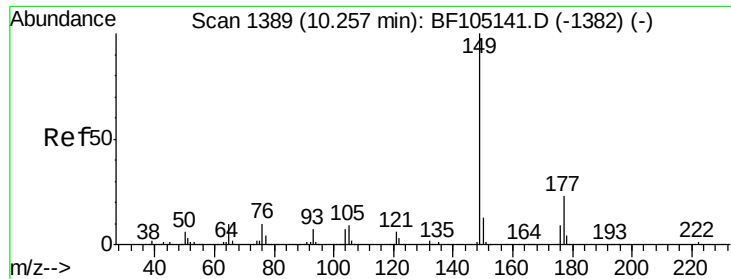
Tot Ion:	165	Resp:	57255
Ion Ratio	Lower	Upper	
165	100		
63	2.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.141 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:	166	Resp:	4031
Ion Ratio	Lower	Upper	
166	100		
165	83.5	79.8	119.8
167	13.0	10.6	16.0

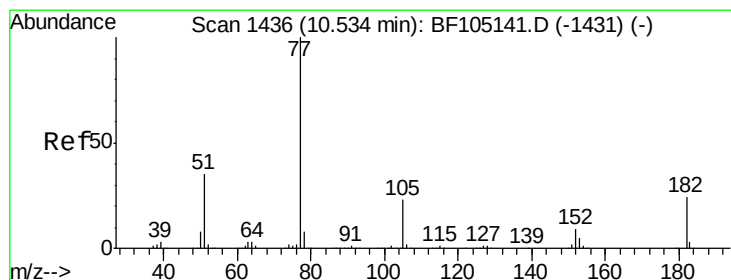
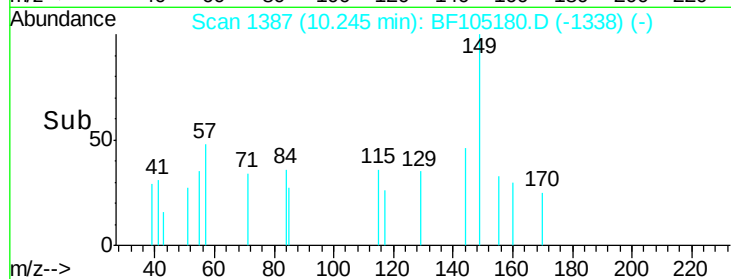
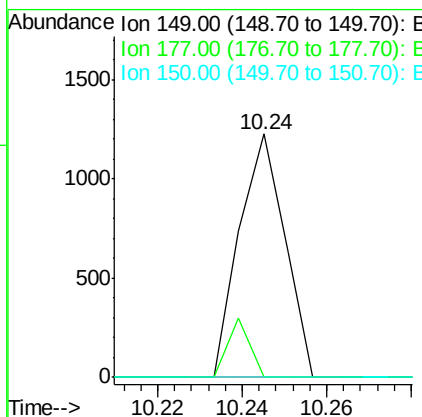
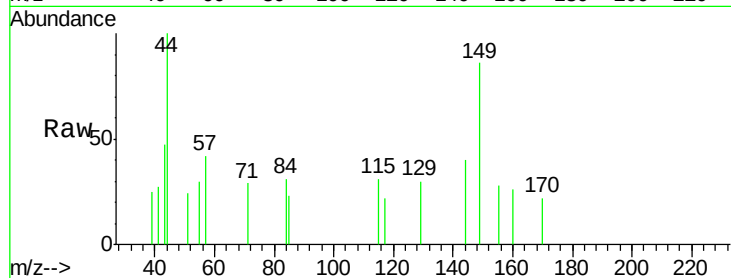




#59
 Diethylphthalate
 Concen: 0.031 ng
 RT: 10.24 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

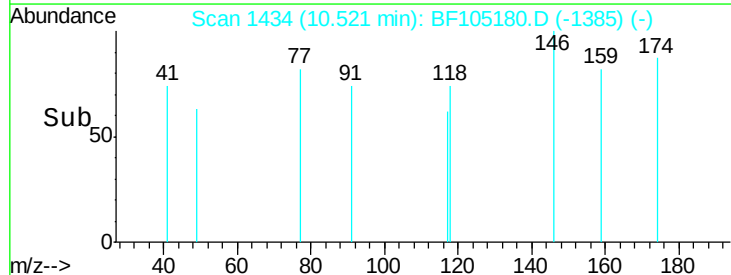
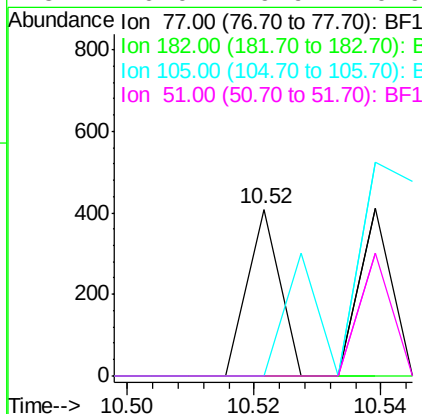
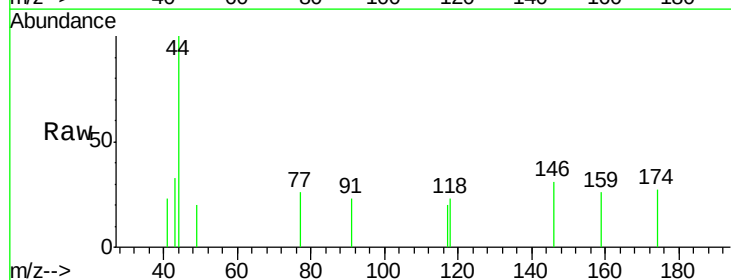
Instrument :
 BNA_F
 ClientSampleId :

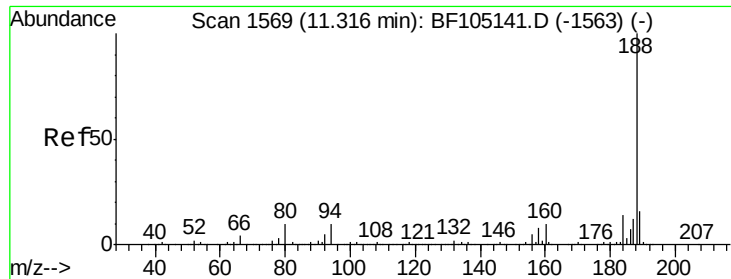
Tot Ion:149 Resp: 916
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.1 24.1#
 150 0.0 10.1 15.1#



#62
 Azobenzene
 Concen: 0.005 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Tgt Ion: 77 Resp: 144
 Ion Ratio Lower Upper
 77 100
 182 0.0 1.7 41.7#
 105 0.0 3.0 43.0#
 51 0.0 9.9 49.9#

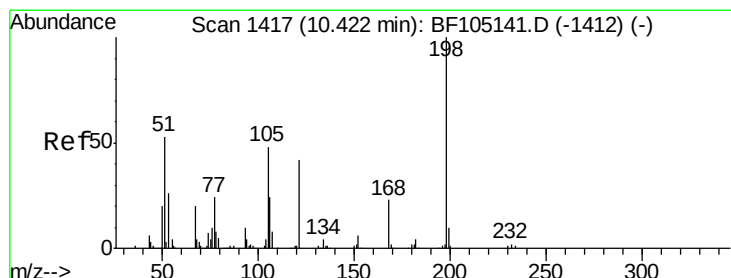
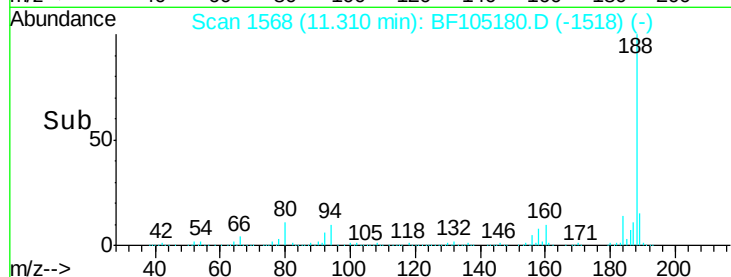
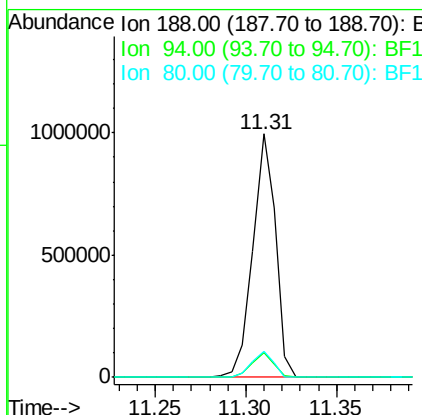
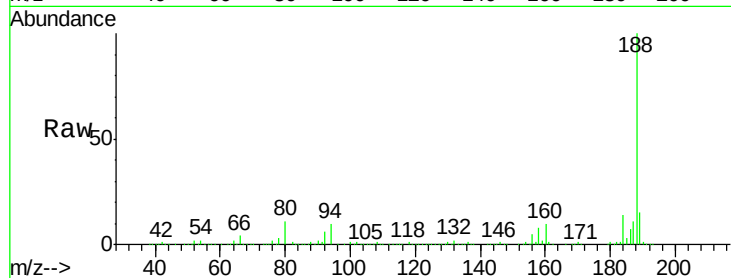




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

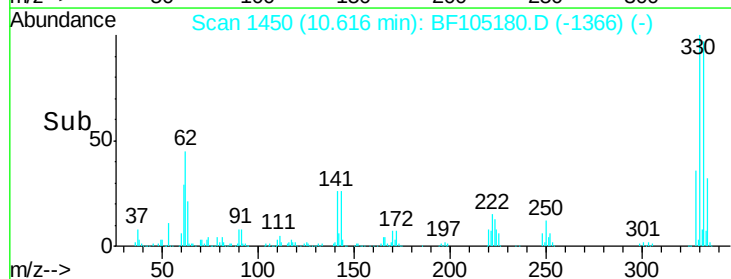
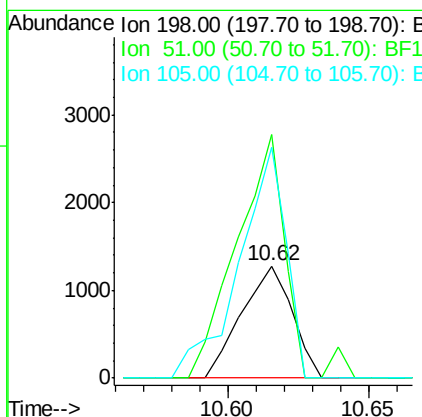
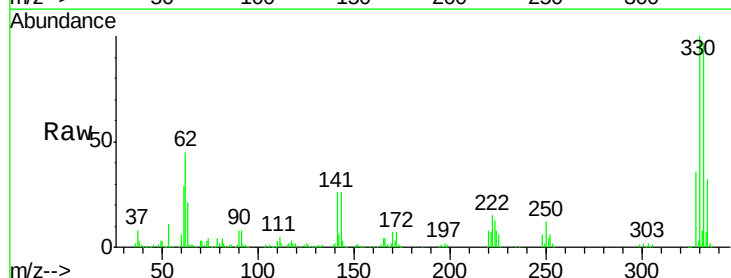
Instrument :
BNA_F
ClientSampleId :

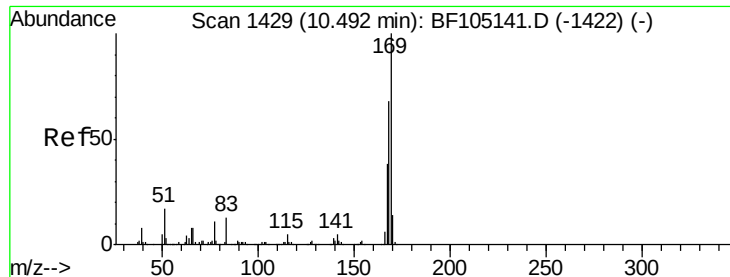
Tot Ion:188 Resp: 868480
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.277 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.19 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:198 Resp: 1587
Ion Ratio Lower Upper
198 100
51 217.0 37.7 77.7#
105 206.2 36.3 76.3#

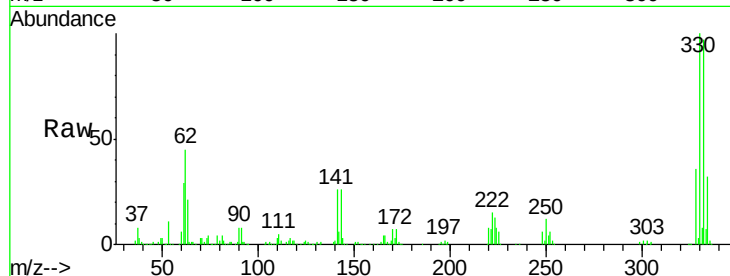




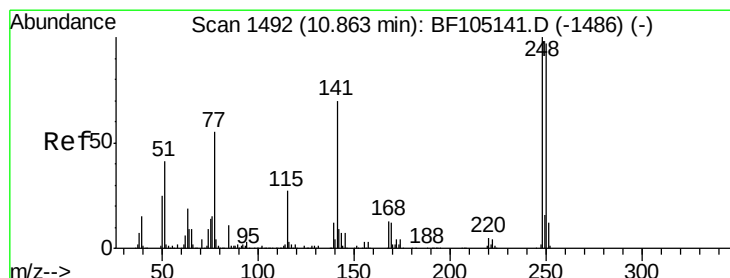
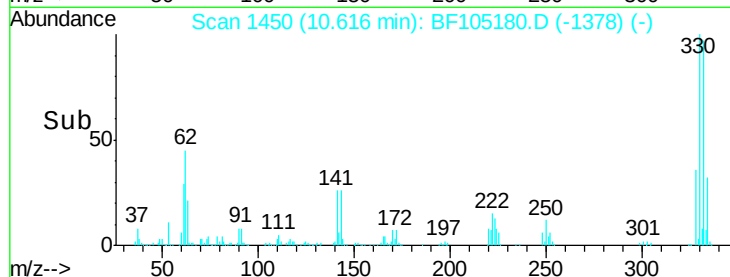
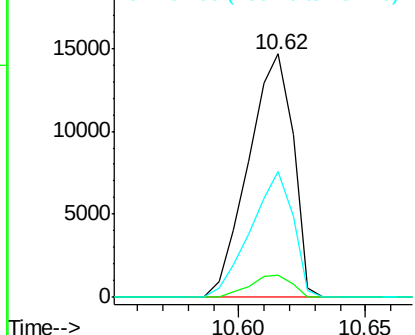
#65
n-Nitrosodiphenylamine
Concen: 0.665 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.12 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	9.4	54.4	81.6#
167	51.6	29.8	44.6#

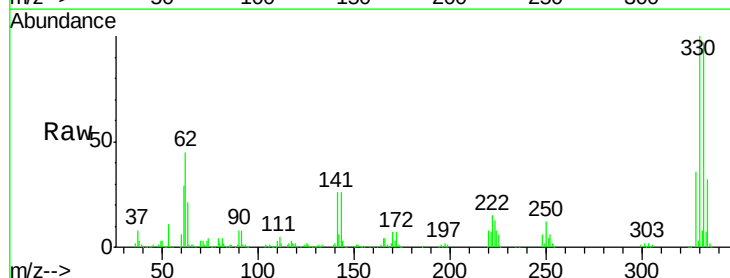


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

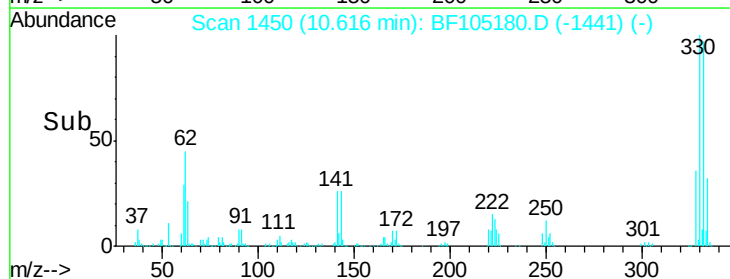
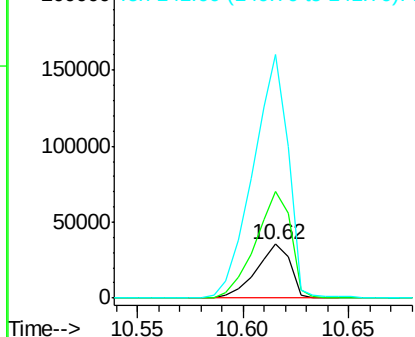


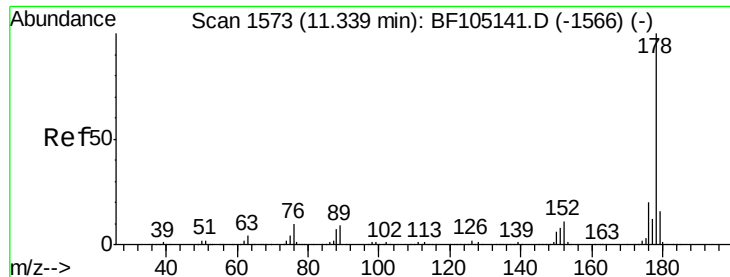
#66
4-Bromophenyl-phenylether
Concen: 4.326 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.1	76.9	115.3#
141	450.0	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

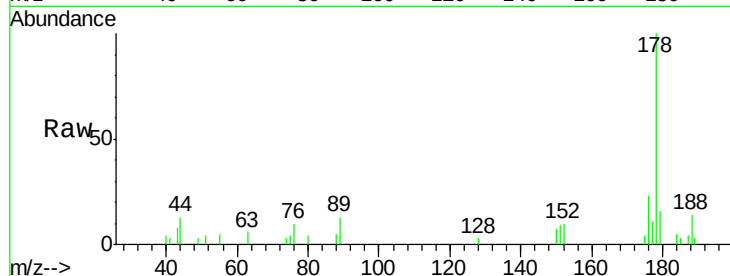




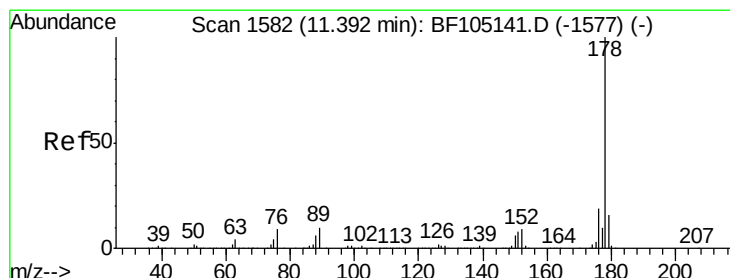
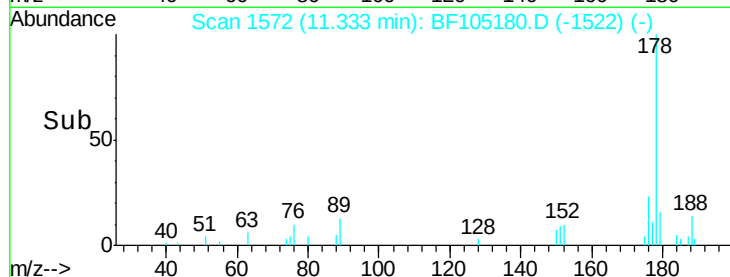
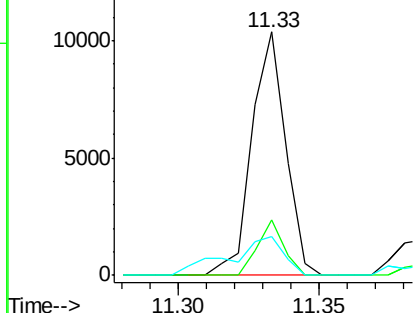
#70
 Phenanthrene
 Concen: 0.188 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 8606
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.8 23.8
 179 16.0 13.0 19.6

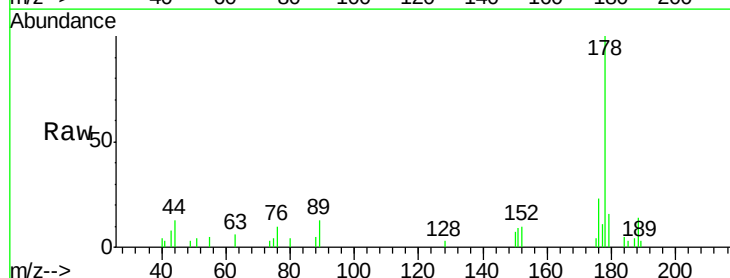


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

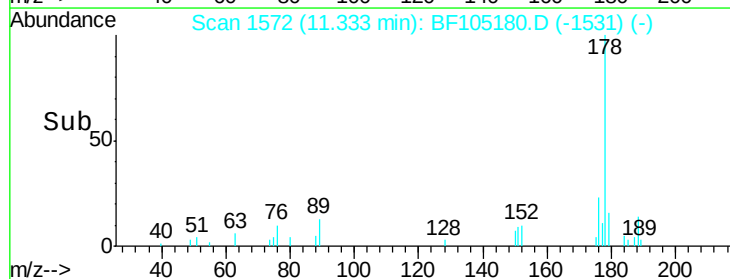
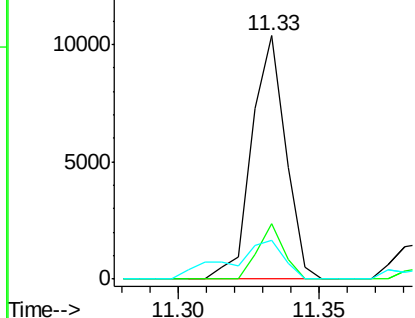


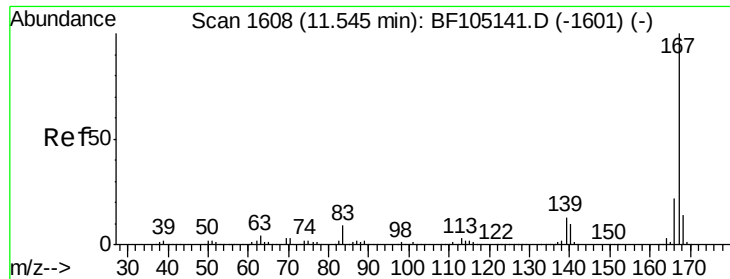
#71
 Anthracene
 Concen: 0.185 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.06 min
 Lab File: BF105180.D
 Acq: 9 May 2018 7:48

Tgt Ion:178 Resp: 8606
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.4 23.2
 179 16.0 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: 0.032 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

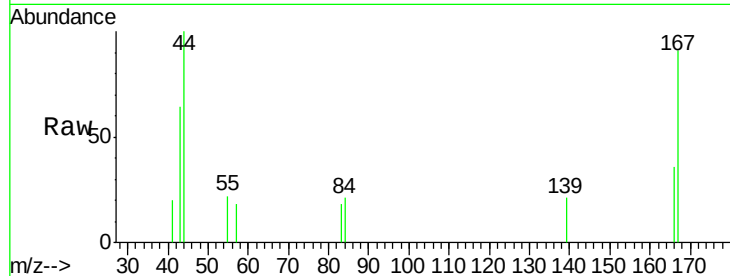
Tot Ion:167 Resp: 1349

Ion Ratio Lower Upper

167 100

166 39.4 17.6 26.4#

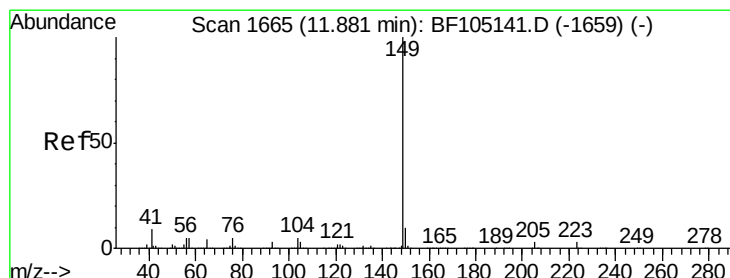
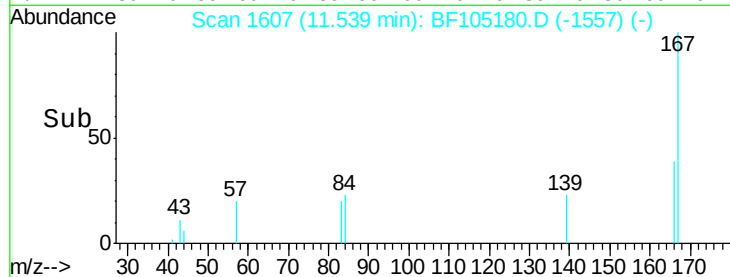
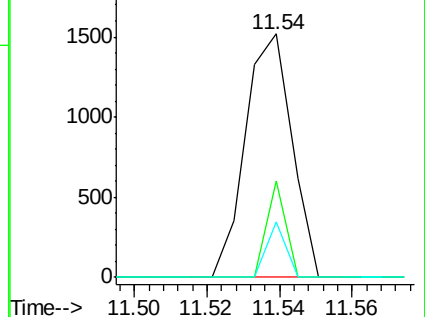
139 22.6 10.9 16.3#



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



#73

Di-n-butylphthalate

Concen: 0.048 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

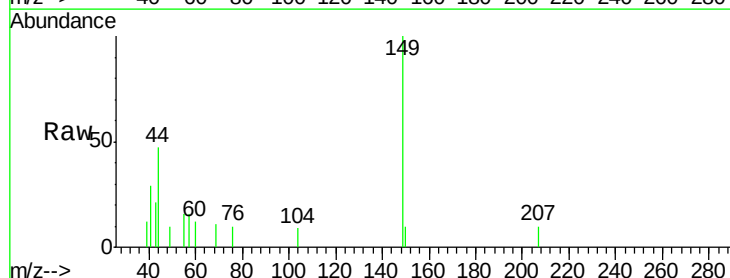
Tgt Ion:149 Resp: 2146

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

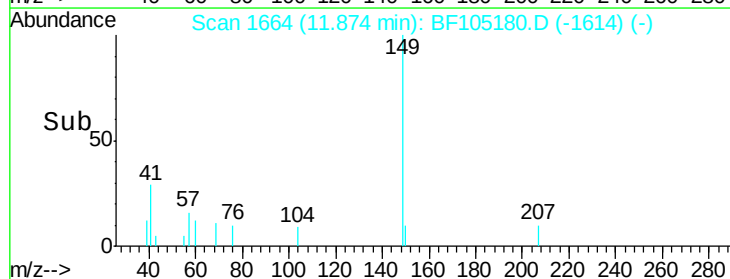
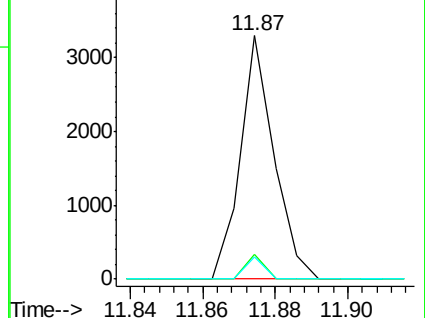
104 9.3 3.8 5.8#

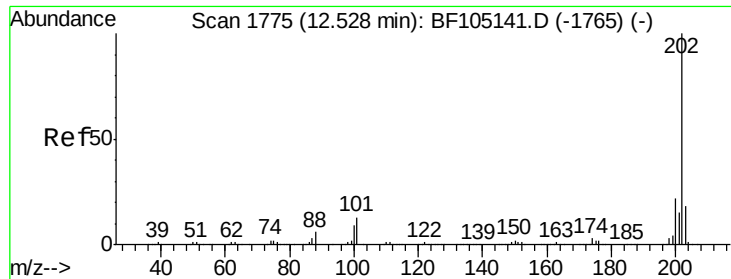


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

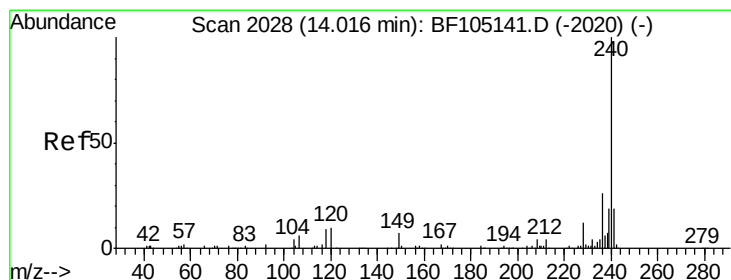
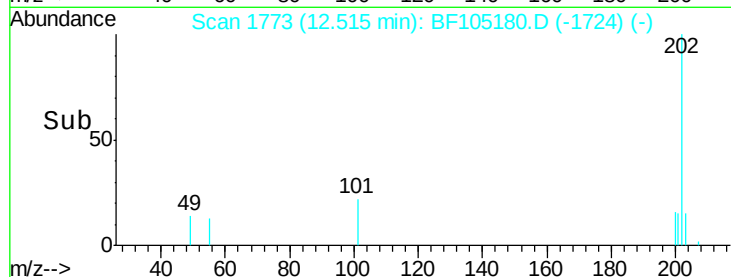
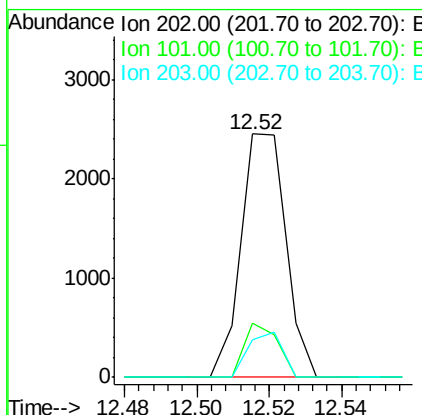
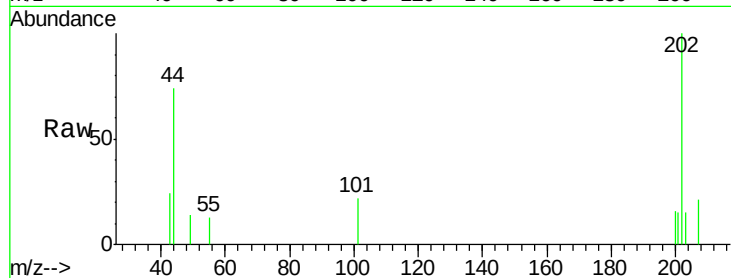




#74
Fluoranthene
Concen: 0.044 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

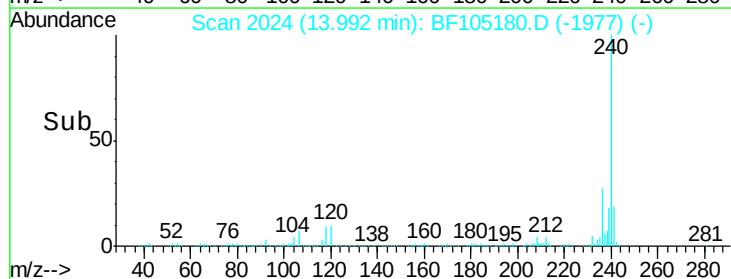
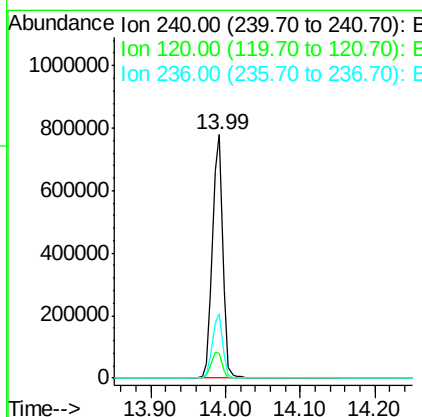
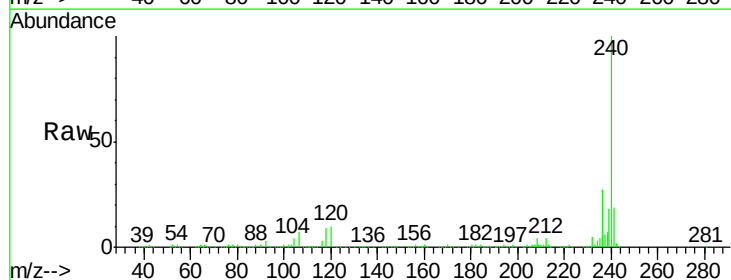
Instrument :
BNA_F
ClientSampleId :

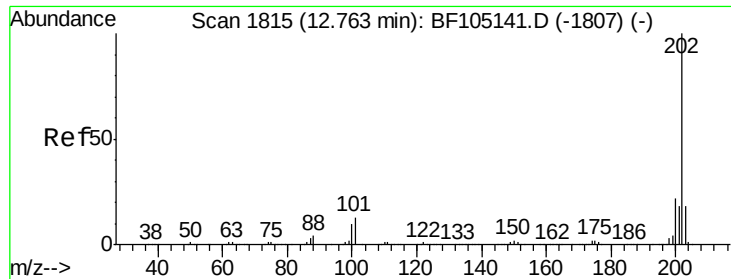
Tot Ion	Ratio	Lower	Upper
202	100		
101	22.1	0.0	34.1
203	15.5	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.6	20.7	31.1





#77

Pvrene

Concen: 0.036 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

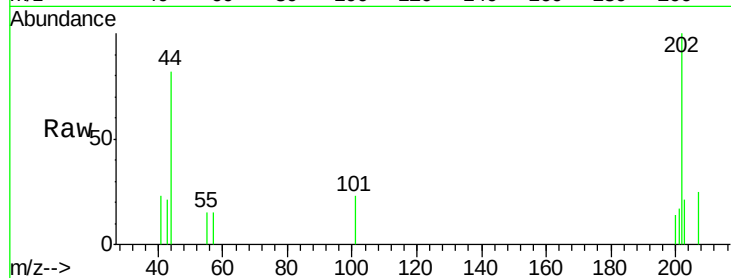
Tot Ion:202 Resp: 1926

Ion Ratio Lower Upper

202 100

200 13.7 17.4 26.2#

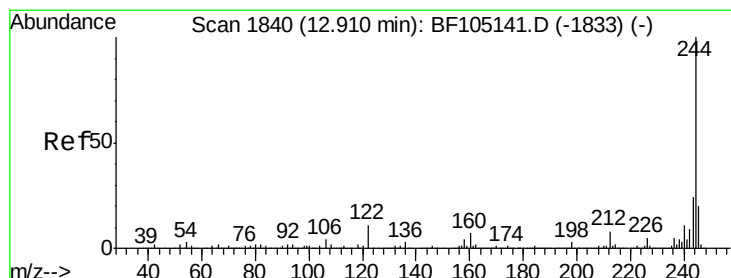
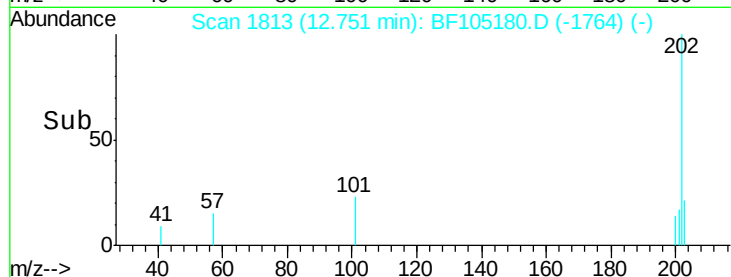
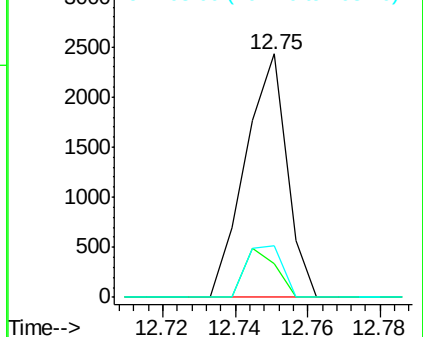
203 21.2 14.3 21.5



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



#78

Terphenyl-d14

Concen: 85.651 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

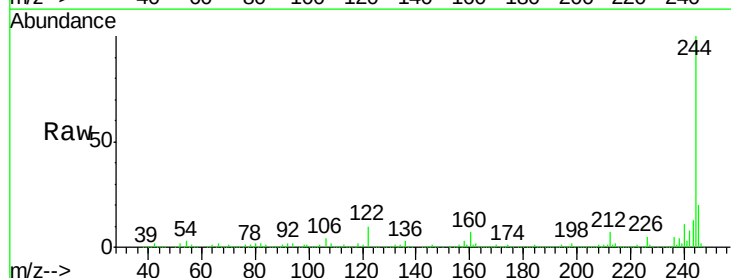
Tgt Ion:244 Resp: 2747984

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

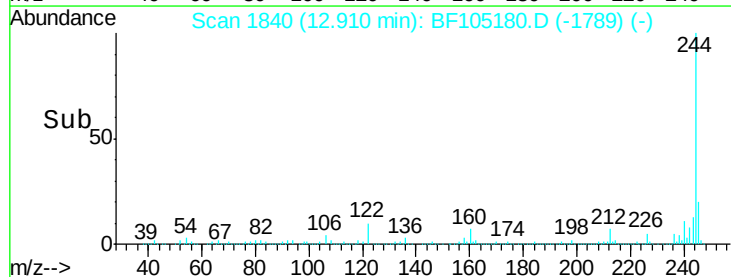
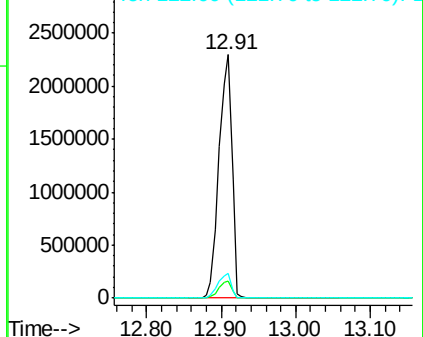
122 10.2 11.0 16.4#

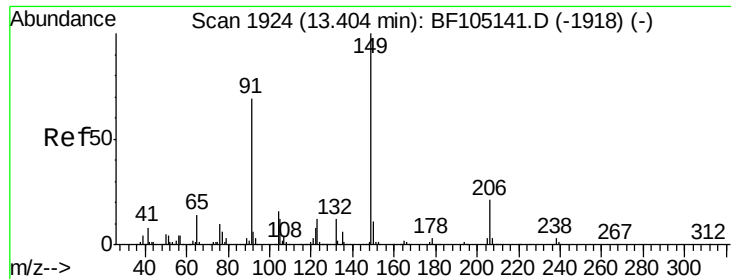


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

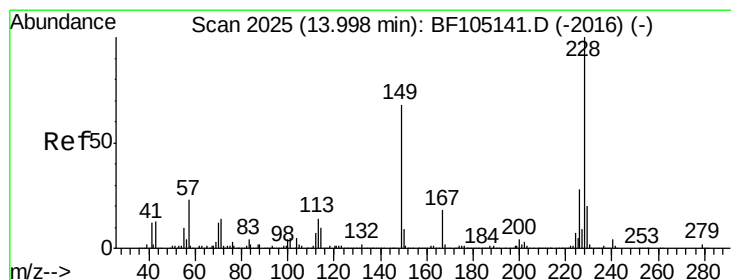
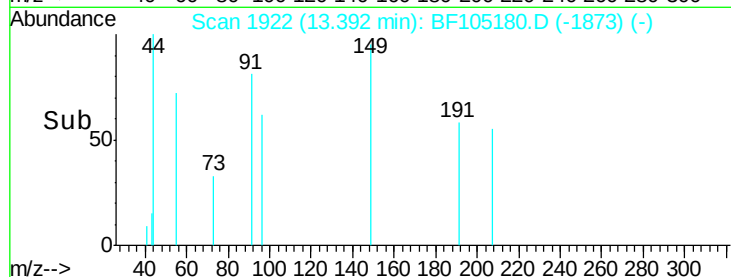
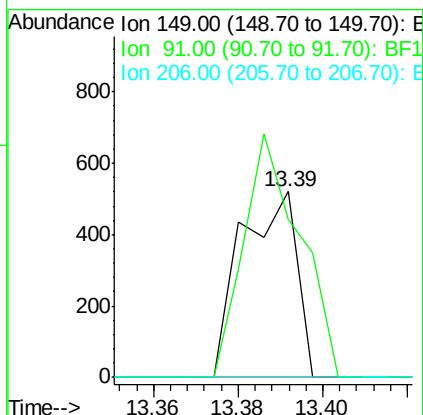
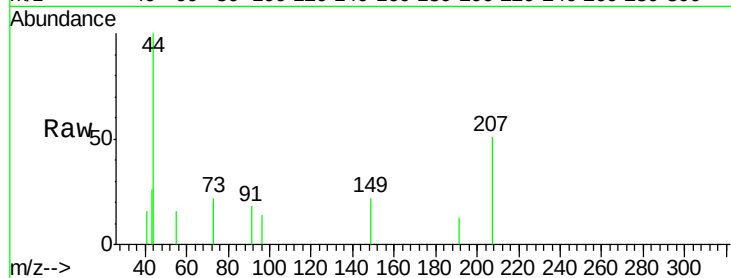




#79
Butylbenzylphthalate
Concen: 6.920 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

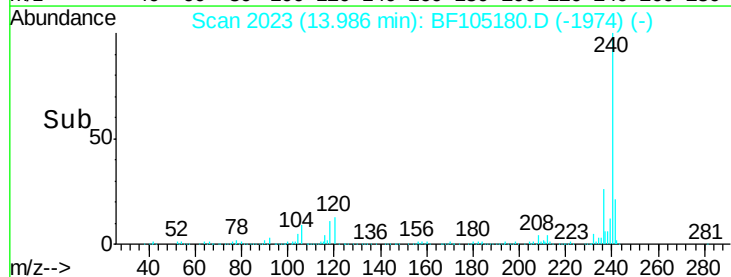
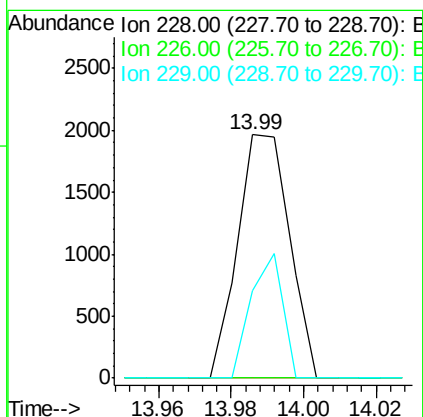
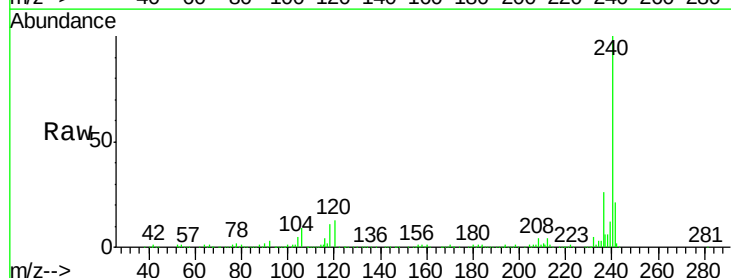
Instrument :
BNA_F
ClientSampled :

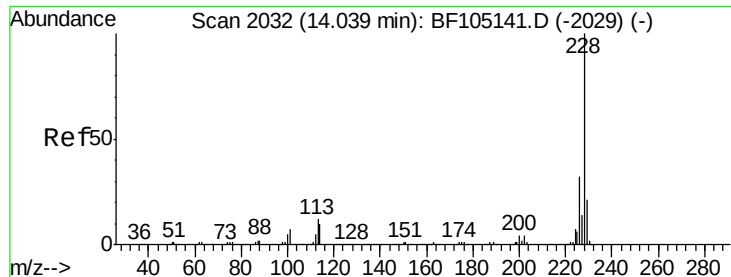
Tot Ion:149 Resp: 475
Ion Ratio Lower Upper
149 100
91 85.2 56.8 85.2
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 0.043 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF105180.D
Acq: 9 May 2018 7:48

Tgt Ion:228 Resp: 1944
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 35.7 15.8 23.6#





#82

Chrysene

Concen: 0.042 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.05 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampled :

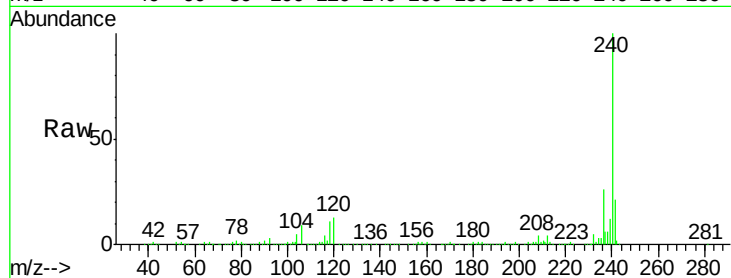
Tot Ion:228 Resp: 1944

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

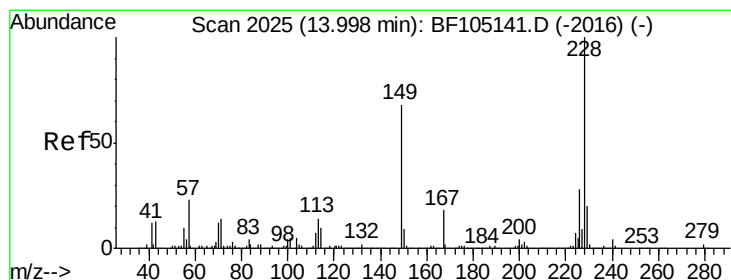
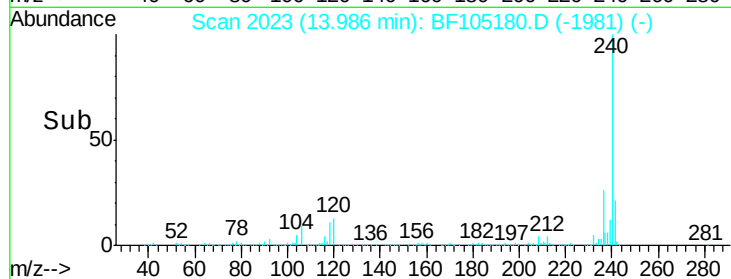
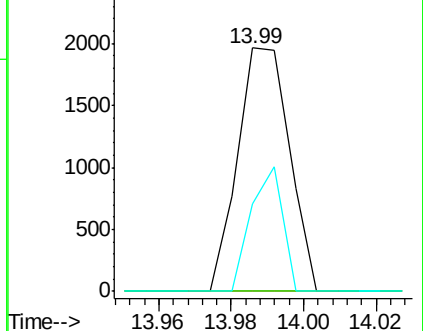
229 35.7 16.2 24.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.015 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

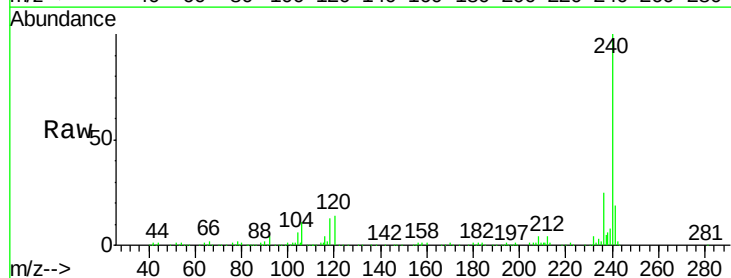
Tgt Ion:149 Resp: 325

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

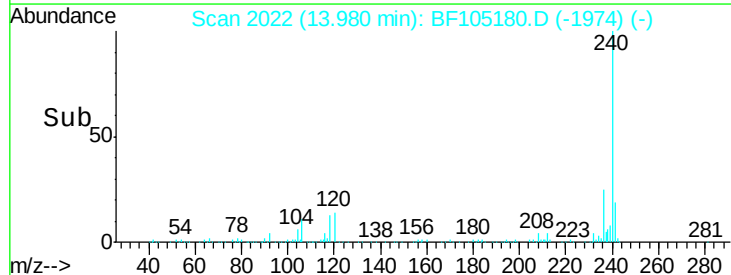
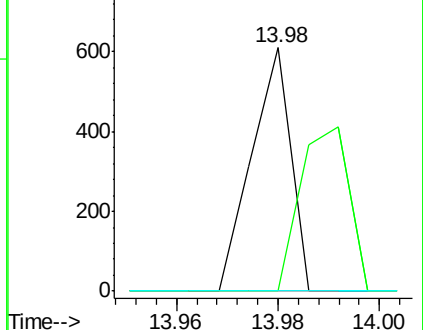
279 0.0 3.0 4.4#

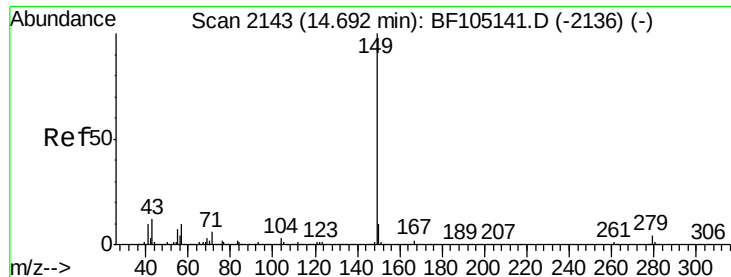


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 6.952 ng

RT: 14.94 min Scan# 2185

Delta R.T. 0.25 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :

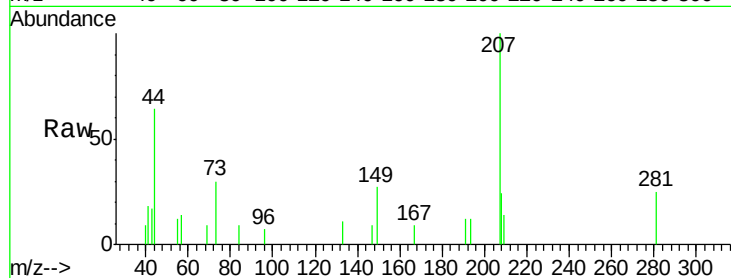
Tot Ion:149 Resp: 855

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

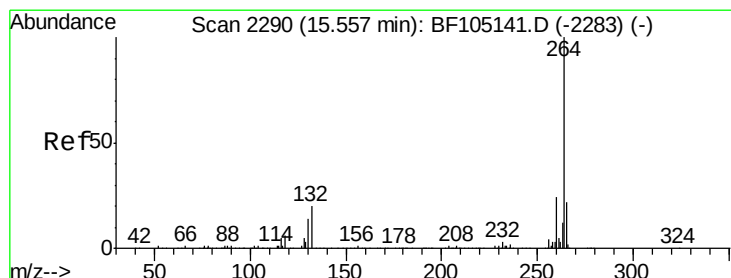
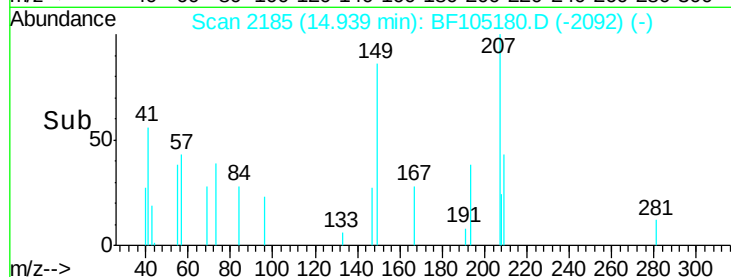
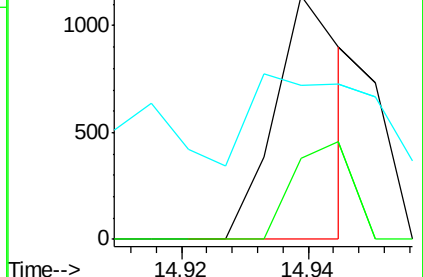
43 33.3 8.4 12.6#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.03 min

Lab File: BF105180.D

Acq: 9 May 2018 7:48

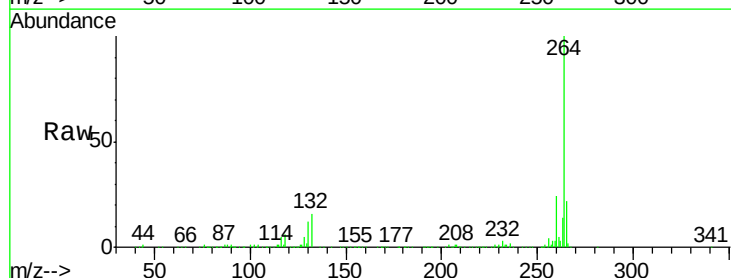
Tgt Ion:264 Resp: 628891

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

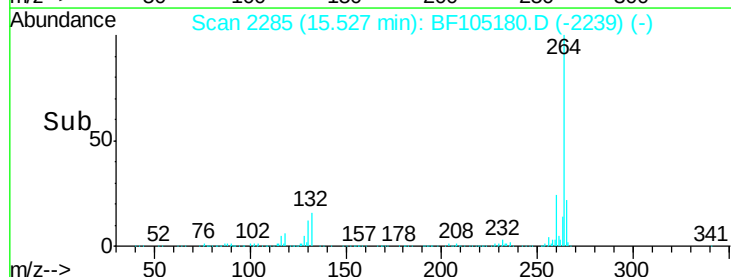
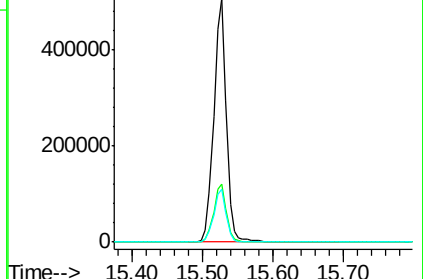
265 21.9 17.5 26.3

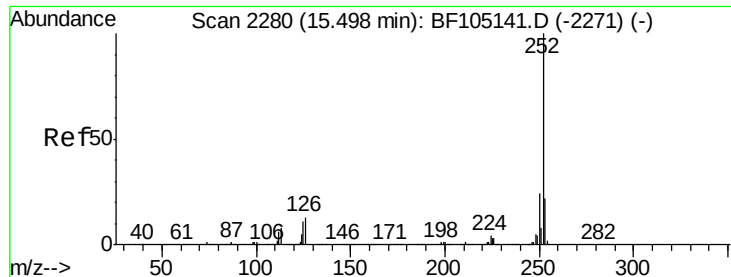


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.058 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.02 min

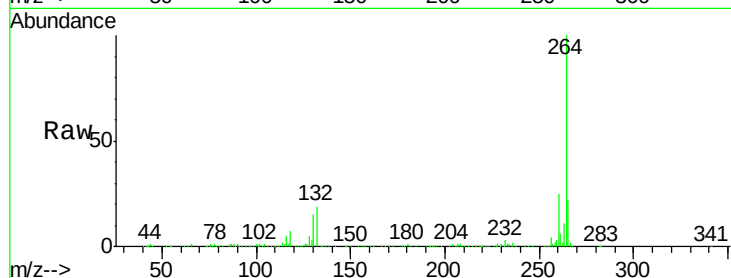
Lab File: BF105180.D

Acq: 9 May 2018 7:48

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	2025
Ion Ratio	Lower	Upper	
252	100		
253	39.4	17.1	25.7#
125	0.0	9.8	14.6#

