

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105178.D
 Acq On : 9 May 2018 6:56
 Operator : JU/SJ
 Sample : J2680-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:41:33 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	233714	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	925676	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	458360	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	911284	20.00	ng	0.00
75) Chrysene-d12	14.00	240	769195	20.00	ng	-0.01
86) Perylene-d12	15.56	264	610255	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1522617	107.33	ng	0.02
7) Phenol-d6	6.42	99	1693702	100.27	ng	0.00
23) Nitrobenzene-d5	7.36	82	1298980	95.11	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	680211	134.51	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2303038	77.99	ng	0.00
78) Terphenyl-d14	12.92	244	2684966	81.08	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.20	42	544	0.053	ng	# 1
6) Aniline	6.56	93	2147	0.087	ng	# 1
8) 2-Chlorophenol	6.57	128	722	0.048	ng	# 1
9) Benzaldehyde	6.42	77	2586	0.200	ng	# 1
10) Phenol	6.43	94	276	0.015	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2147	0.139	ng	# 1
12) 1,3-Dichlorobenzene	6.79	146	136	0.007	ng	# 1
13) 1,4-Dichlorobenzene	6.79	146	136	0.007	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	390	0.023	ng	# 1
15) Benzyl Alcohol	6.95	79	20668	1.599	ng	# 31
16) 2,2'-oxybis(1-Chloropropan	7.06	45	110	0.004	ng	# 70
17) 2-Methylphenol	6.95	107	135	0.010	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	176947	15.821	ng	# 83
20) 3+4-Methylphenols	6.95	107	135	0.009	ng	# 1
22) Acetophenone	7.19	105	2732	0.127	ng	# 70
24) Nitrobenzene	7.35	77	3940	0.254	ng	# 35
25) Isophorone	7.36	82	1298960	42.525	ng	# 64
27) 2,4-Dimethylphenol	7.76	122	129	0.010	ng	# 4
31) Naphthalene	8.09	128	19726	0.443	ng	# 99
32) Benzoic acid	7.78	122	117	9.156	ng	# 1
33) 4-Chloroaniline	8.09	127	2742	0.148	ng	# 39
37) 2-Methylnaphthalene	8.78	142	3785	0.122	ng	# 99
45) 1,1'-Biphenyl	9.25	154	8584	0.230	ng	# 97
47) 2-Nitroaniline	9.15	65	4222	6.261	ng	# 10
48) Acenaphthylene	9.68	152	277	0.006	ng	# 60
50) 2,6-Dinitrotoluene	9.82	165	58748	8.725	ng	# 26
51) Acenaphthene	9.86	154	2810	0.101	ng	# 92
54) Dibenzofuran	10.03	168	3417	0.084	ng	# 97
55) 4-Nitrophenol	10.03	139	1305	4.494	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	58748	9.677	ng	# 24
57) Fluorene	10.37	166	2582	0.087	ng	# 96
59) Diethylphthalate	10.25	149	1763	0.058	ng	# 81
62) Azobenzene	10.54	77	131	0.004	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.62	198	1133	9.114	ng	# 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

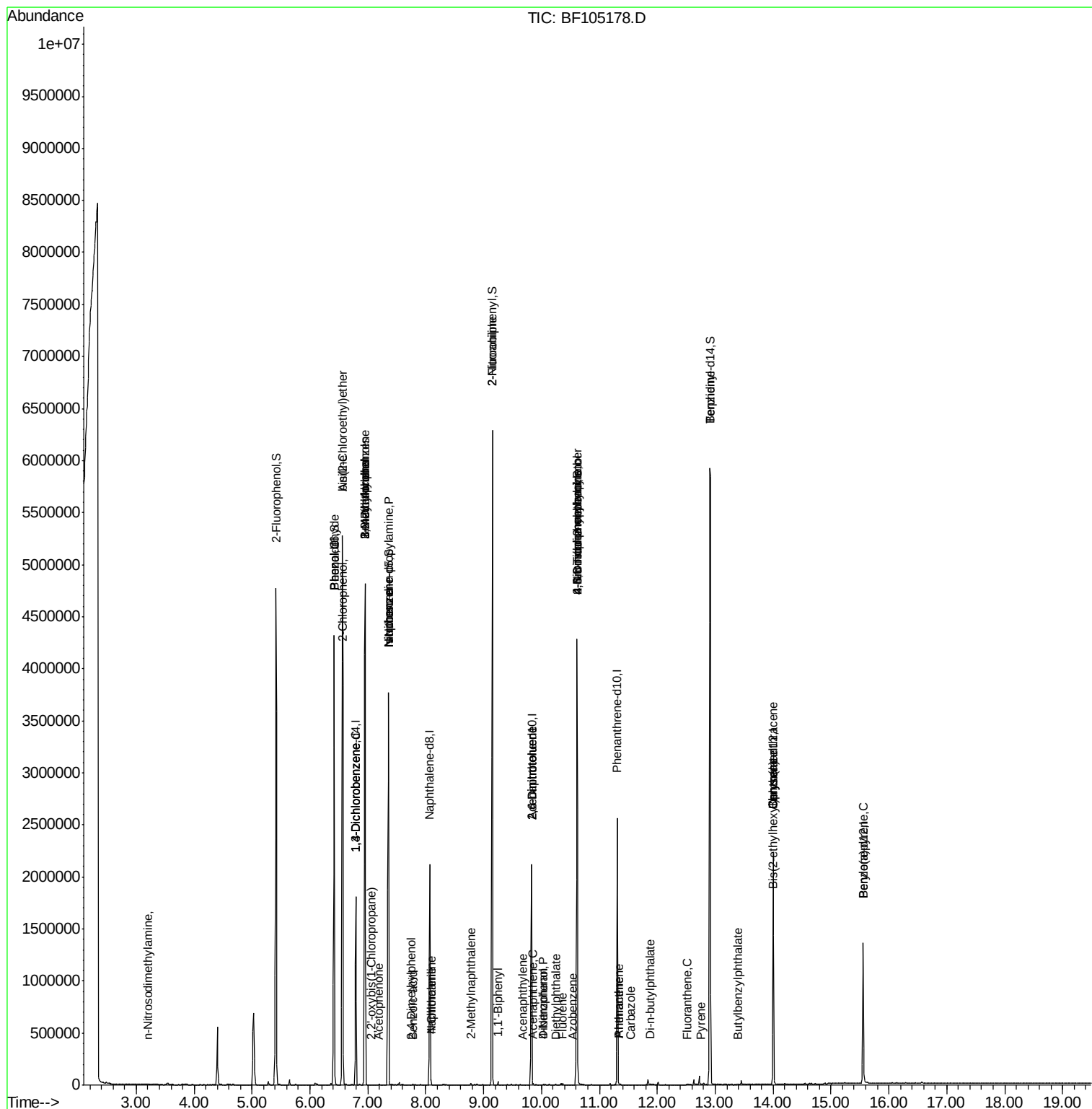
65) n-Nitrosodiphenylamine	10.62	169	17816	0.627	nq	# 49
66) 4-Bromophenyl-phenylether	10.62	248	39041	4.017	nq	# 1
70) Phenanthrene	11.33	178	7219	0.150	nq	95
71) Anthracene	11.33	178	7219	0.148	nq	95
72) Carbazole	11.54	167	436	0.010	nq	# 59
73) Di-n-butylphthalate	11.87	149	2078	0.044	nq	# 88
74) Fluoranthene	12.52	202	1121	0.022	nq	67
76) Benzidine	12.92	184	33243	1.157	nq	95
77) Pyrene	12.75	202	1119	0.020	nq	# 65
79) Butylbenzylphthalate	13.40	149	136	6.905	nq	# 23
80) Benzo(a)anthracene	14.00	228	2403	0.052	nq	# 55
82) Chrysene	14.00	228	2403	0.050	nq	# 54
83) Bis(2-ethylhexyl)phthalate	13.99	149	644	0.028	nq	# 58
89) Benzo(a)pyrene	15.56	252	2044	0.060	nq	# 74

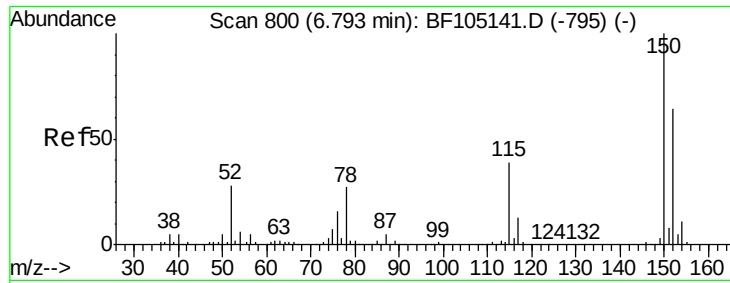
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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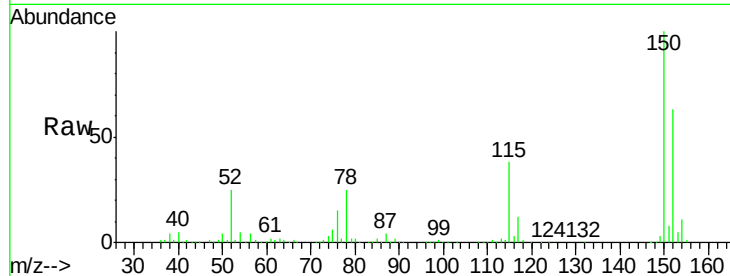


#1

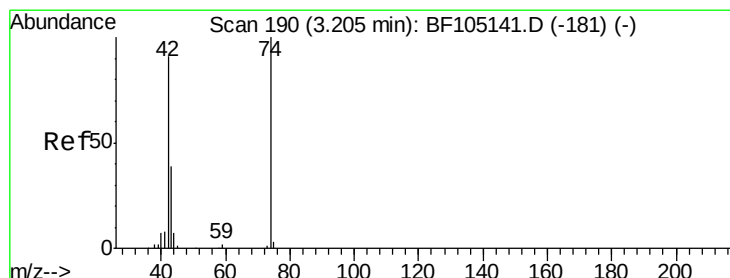
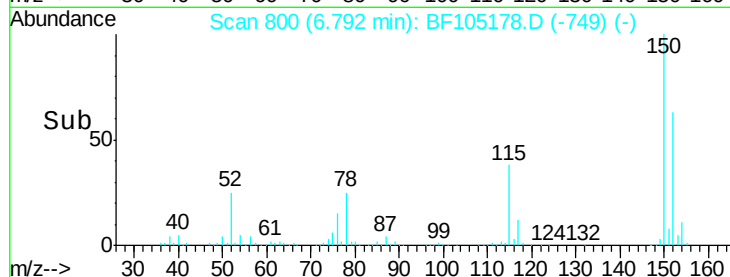
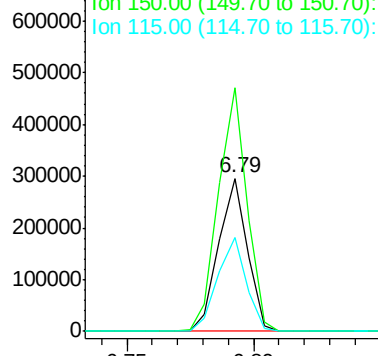
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 233714
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 60.8 50.1 75.1



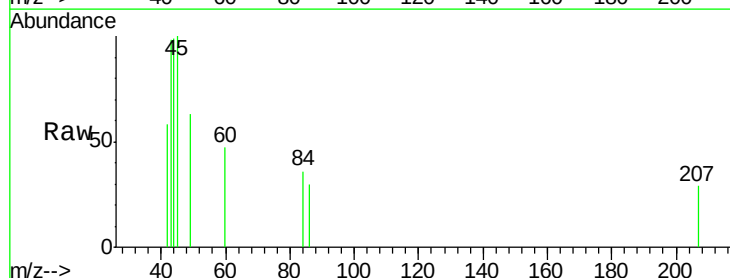
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



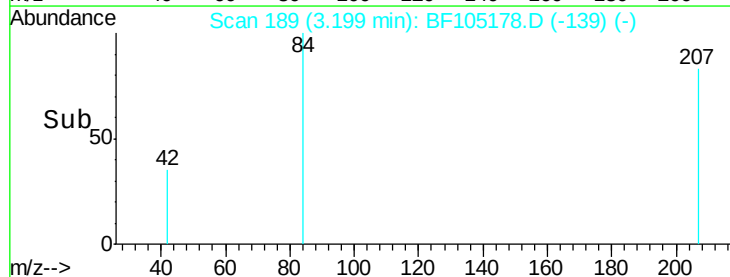
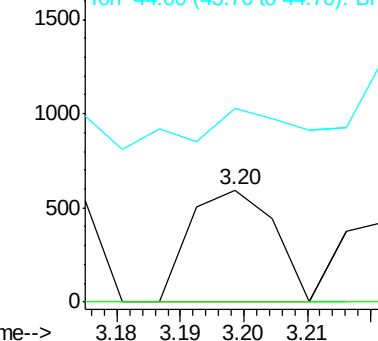
#4

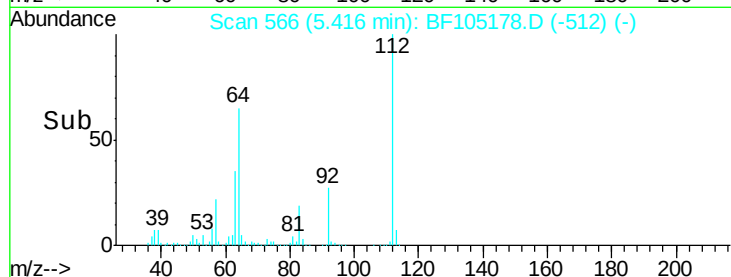
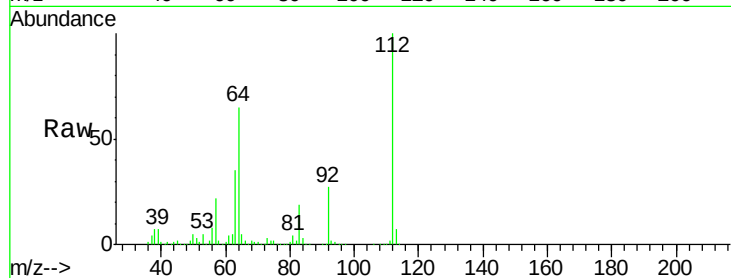
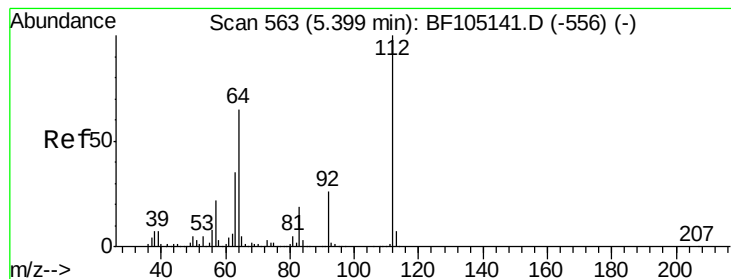
n-Nitrosodimethylamine
Concen: 0.053 ng
RT: 3.20 min Scan# 189
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 172.8 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: 107.328 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.02 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

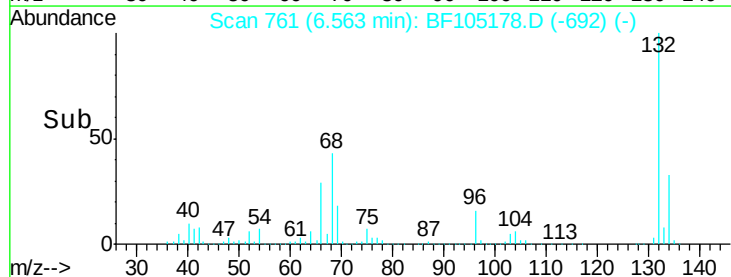
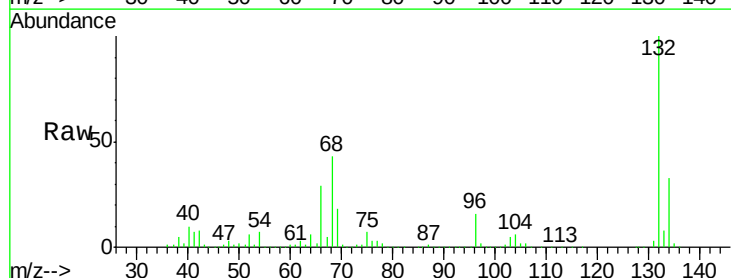
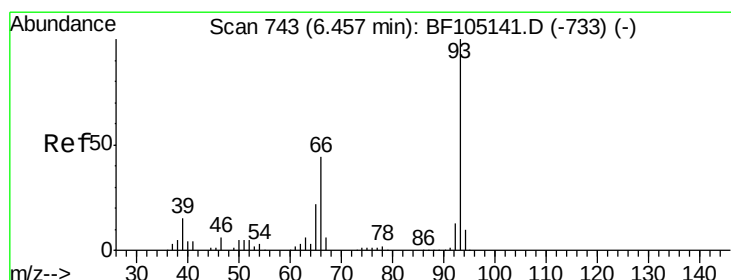
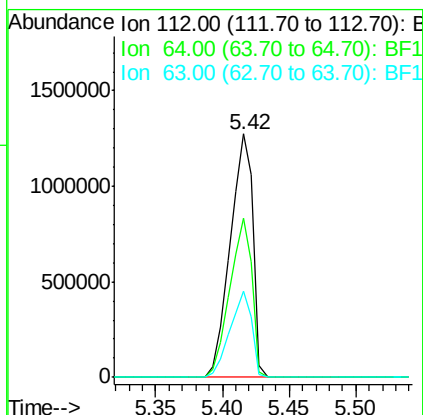
Tot Ion:112 Resp: 1522617

Ion Ratio Lower Upper

112 100

64 65.4 47.9 71.9

63 35.2 23.7 35.5



#6

Aniline

Concen: 0.087 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

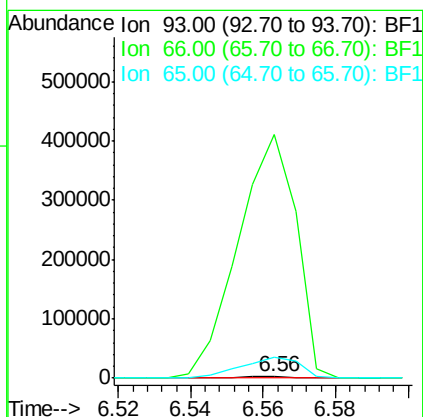
Tgt Ion: 93 Resp: 2147

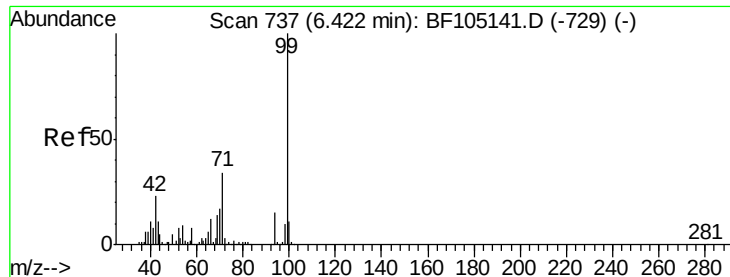
Ion Ratio Lower Upper

93 100

66 21550.5 32.2 48.2#

65 1823.7 16.4 24.6#





#7

Phenol-d6

Concen: 100.267 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

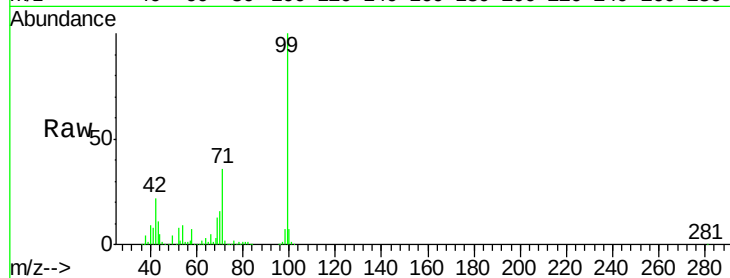
Tot Ion: 99 Resp: 1693702

Ion Ratio Lower Upper

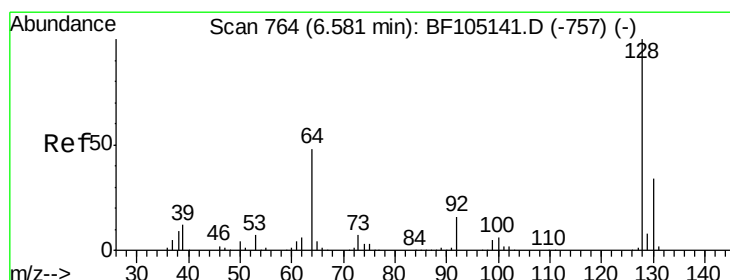
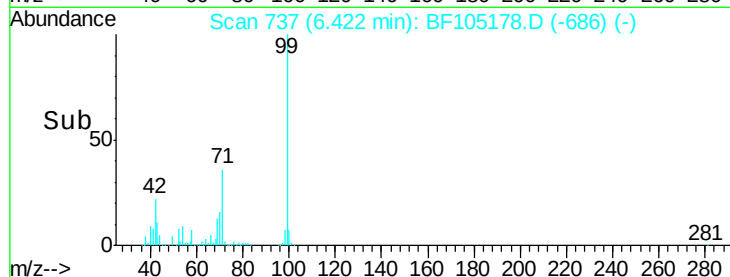
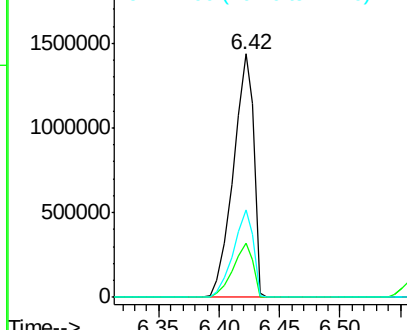
99 100

42 22.2 14.5 21.7#

71 36.1 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: 0.048 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

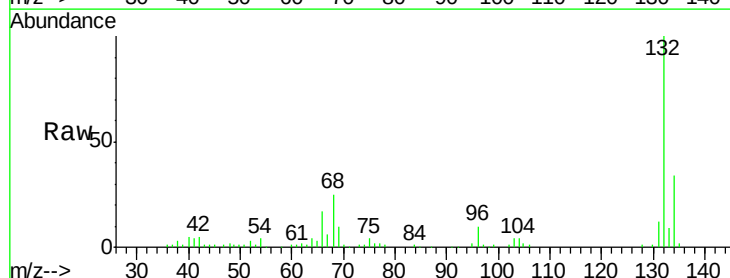
Tgt Ion: 128 Resp: 722

Ion Ratio Lower Upper

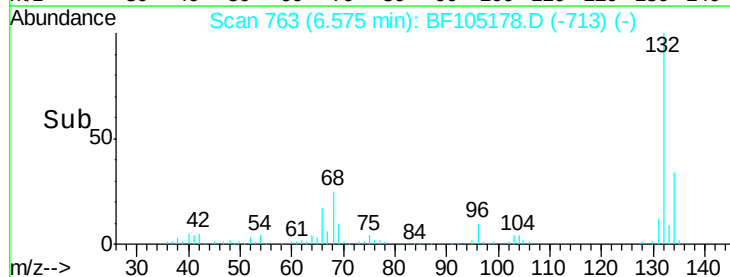
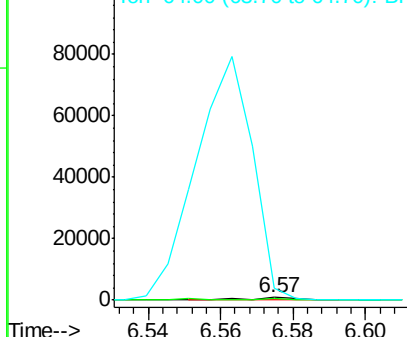
128 100

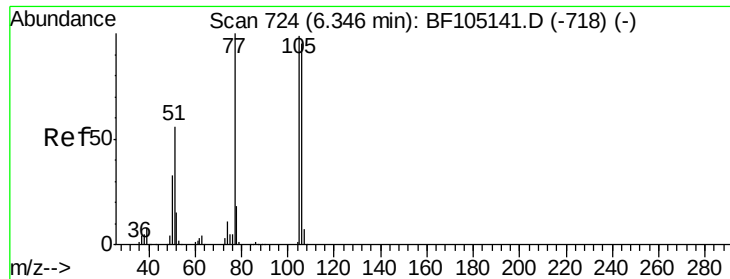
130 64.0 13.0 53.0#

64 445.4 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: 0.200 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.08 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

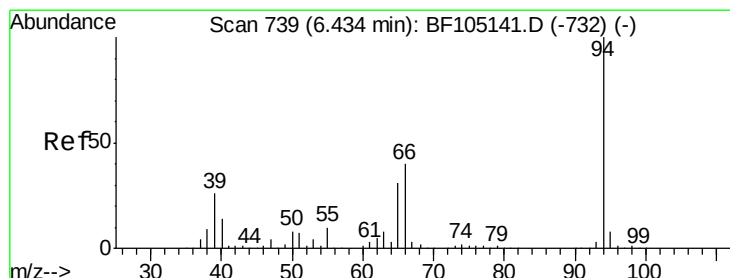
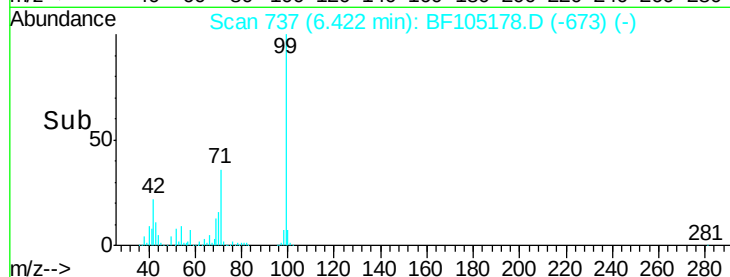
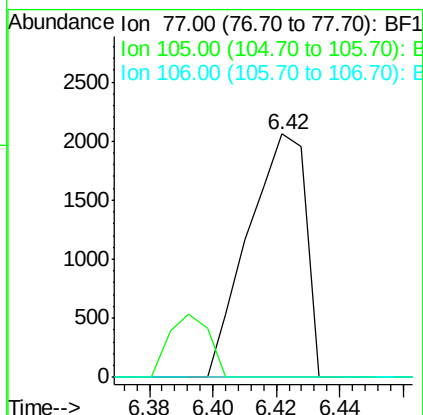
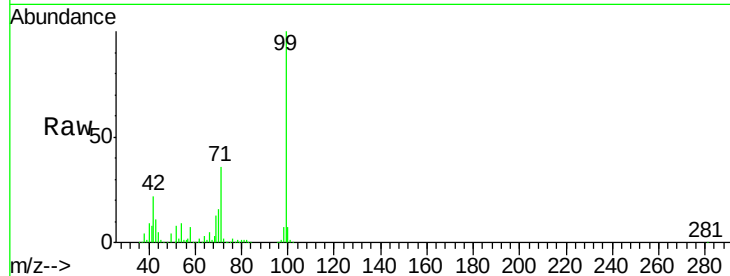
Tot Ion: 77 Resp: 2586

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

106 0.0 74.5 114.5#



#10

Phenol

Concen: 0.015 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

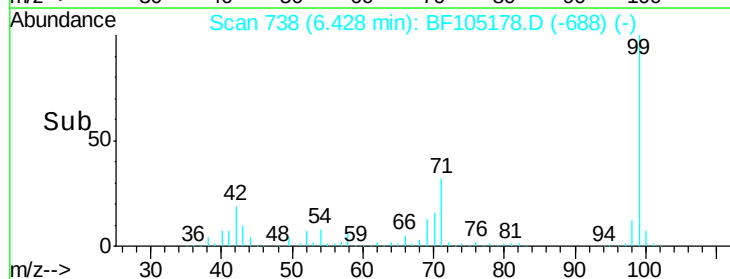
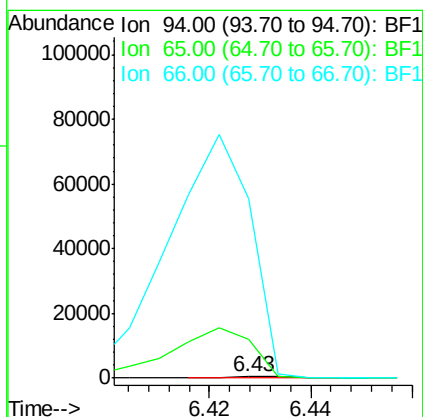
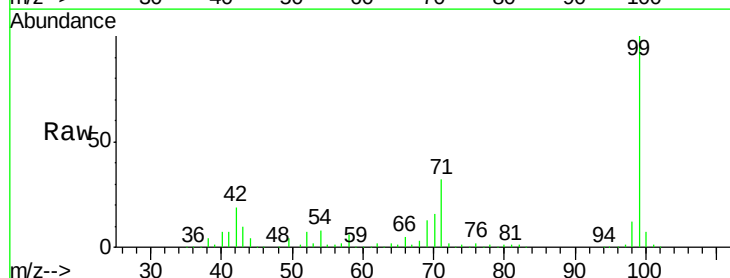
Tgt Ion: 94 Resp: 276

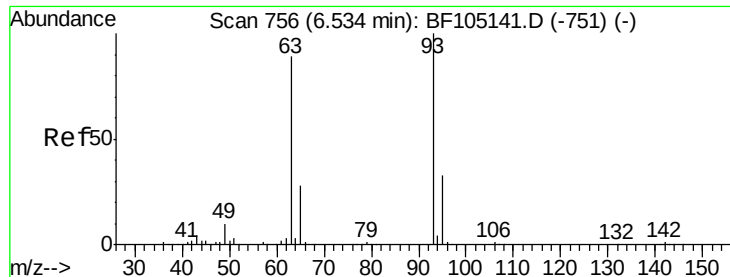
Ion Ratio Lower Upper

94 100

65 2952.3 7.9 47.9#

66 13647.2 16.2 56.2#





#11

bis(2-Chloroethyl)ether

Concen: 0.139 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

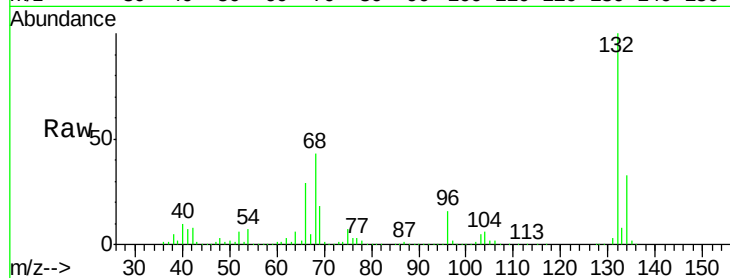
Tot Ion: 93 Resp: 2147

Ion Ratio Lower Upper

93 100

63 881.4 58.6 98.6#

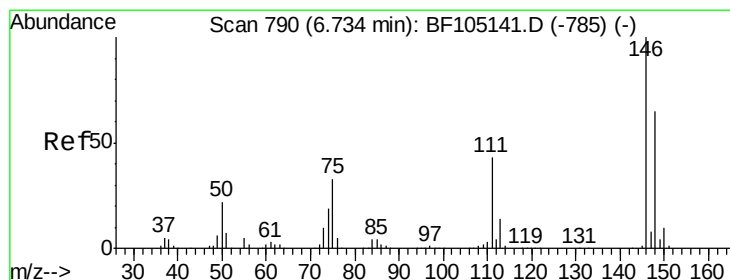
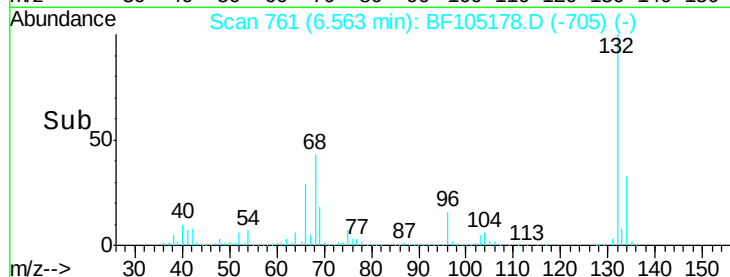
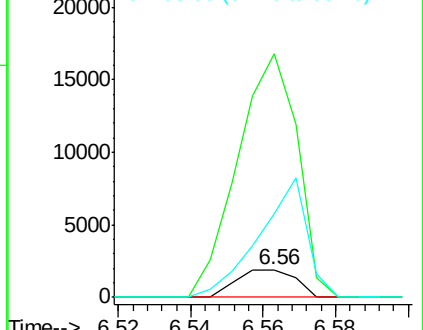
95 302.1 11.8 51.8#



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: 0.007 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.06 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

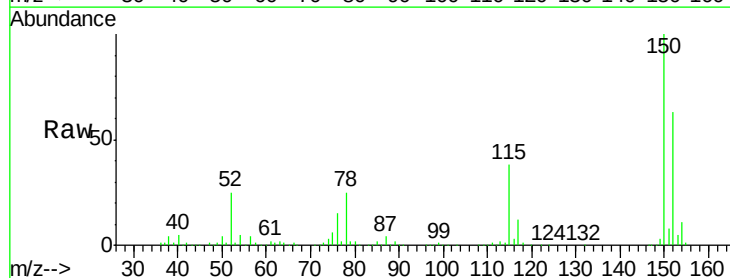
Tgt Ion: 146 Resp: 136

Ion Ratio Lower Upper

146 100

148 253.6 51.8 77.8#

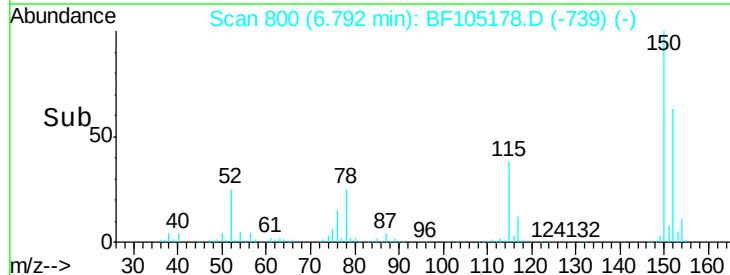
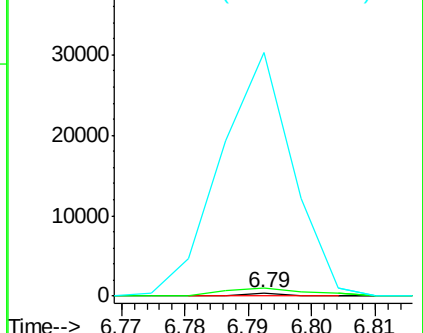
75 7887.5 24.2 36.4#

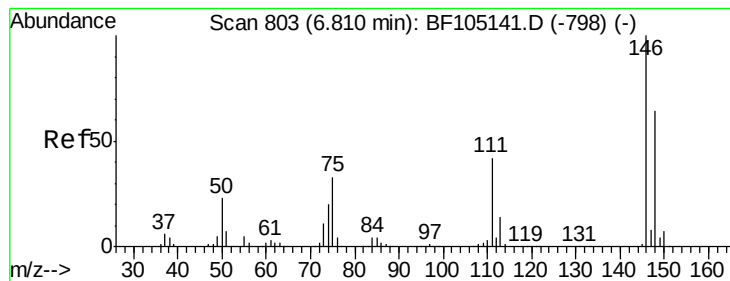


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 0.007 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

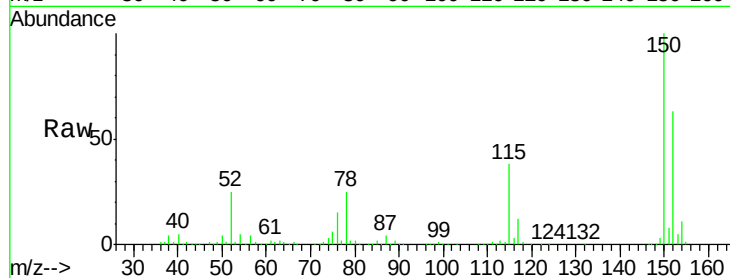
Tot Ion:146 Resp: 136

Ion Ratio Lower Upper

146 100

148 253.6 50.8 76.2#

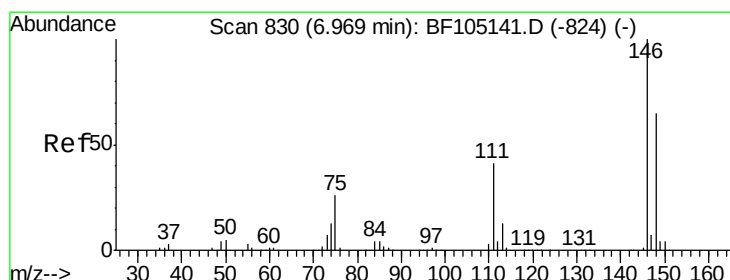
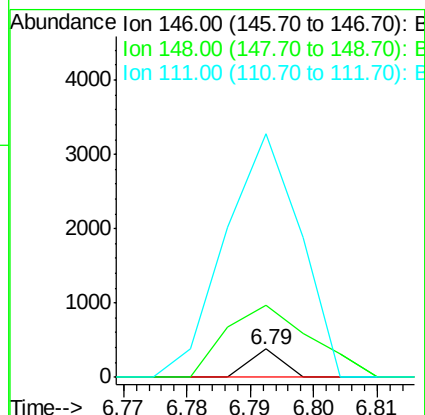
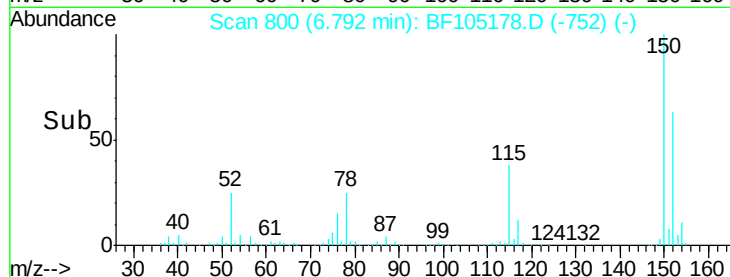
111 853.1 34.2 51.2#



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: 0.023 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

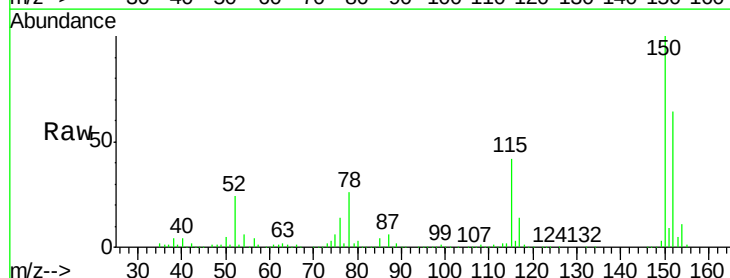
Tgt Ion:146 Resp: 390

Ion Ratio Lower Upper

146 100

148 813.8 50.6 75.8#

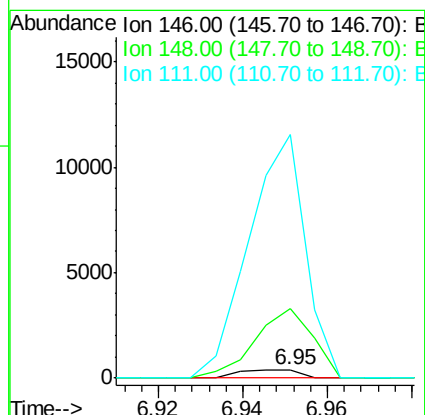
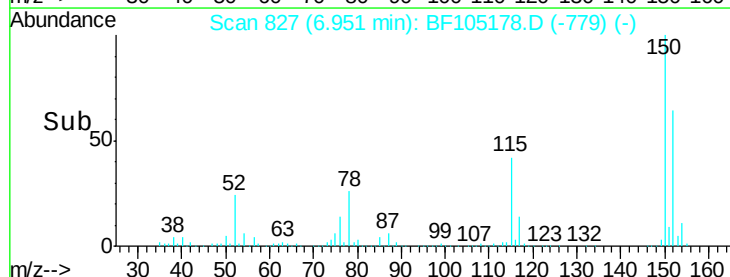
111 2843.8 36.0 54.0#

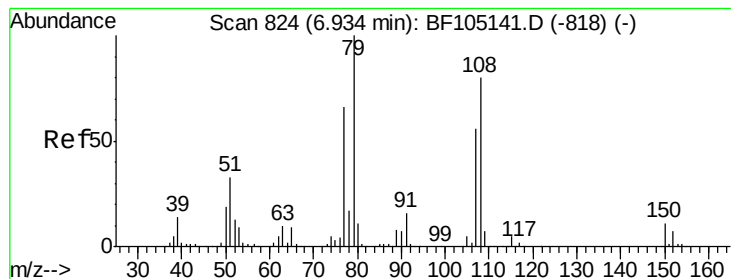


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.599 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.02 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

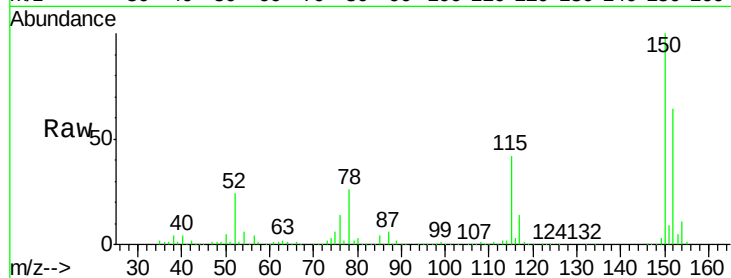
Tot Ion: 79 Resp: 20668

Ion Ratio Lower Upper

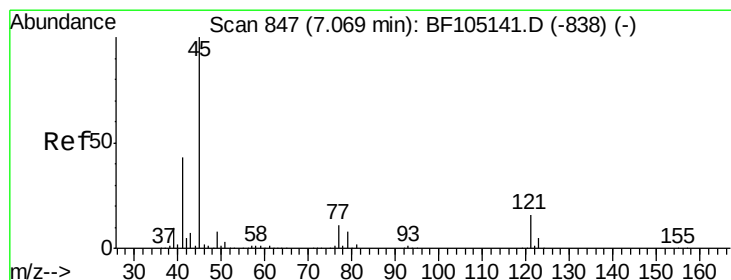
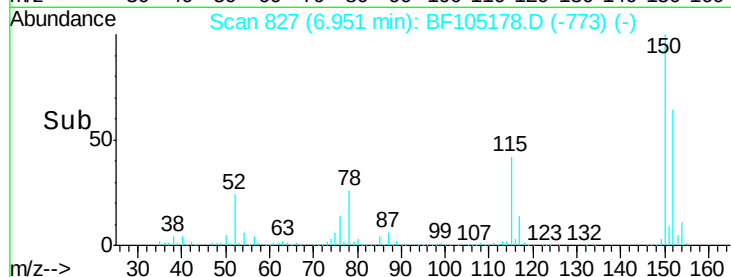
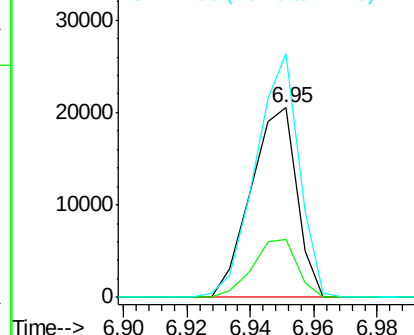
79 100

108 30.8 65.1 97.7#

77 128.3 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: 0.004 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

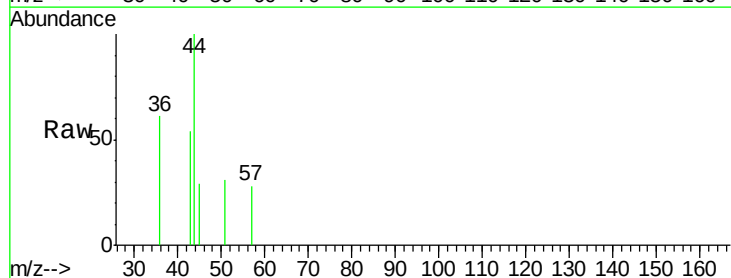
Tgt Ion: 45 Resp: 110

Ion Ratio Lower Upper

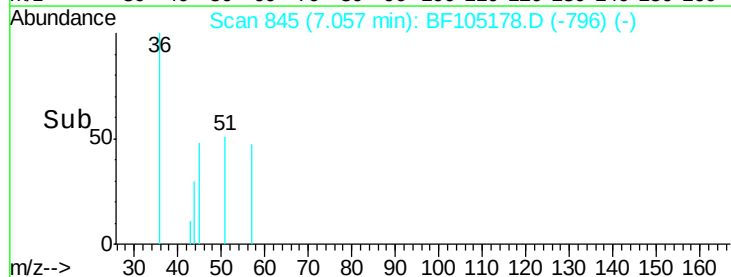
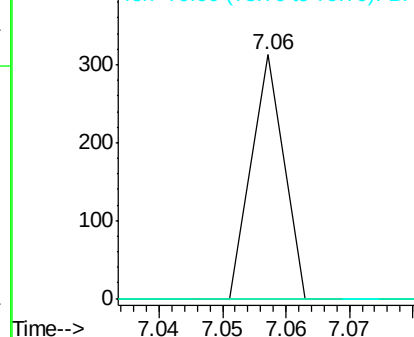
45 100

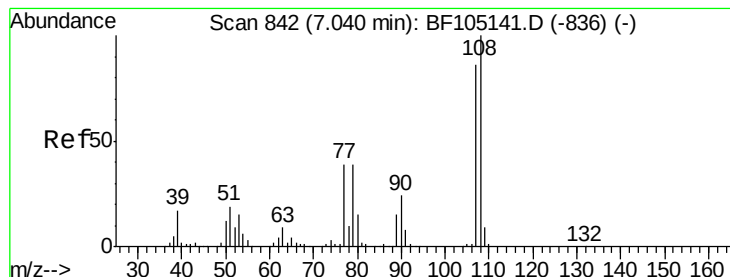
77 0.0 0.0 32.9

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





#17

2-Methylphenol

Concen: 0.010 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.09 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 135

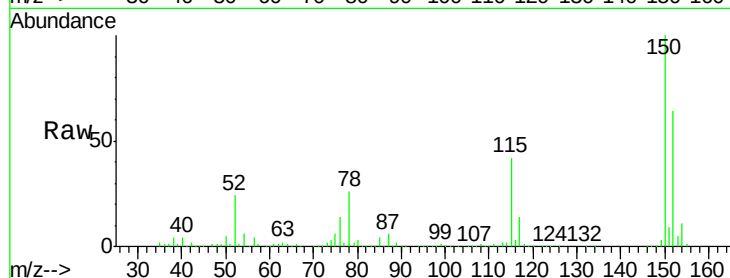
Ion Ratio Lower Upper

107 100

108 1649.9 91.7 137.5#

77 6876.2 33.8 50.8#

79 5357.7 33.8 50.8#

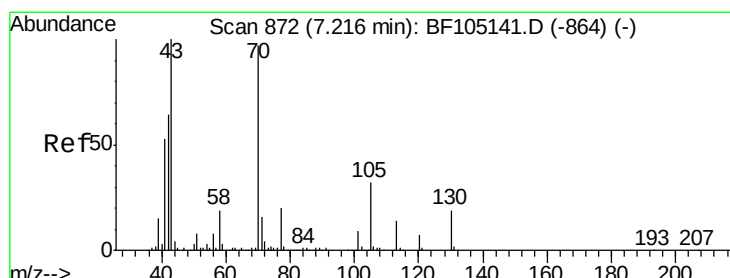
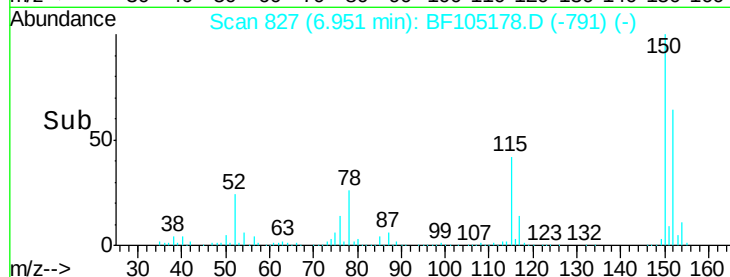
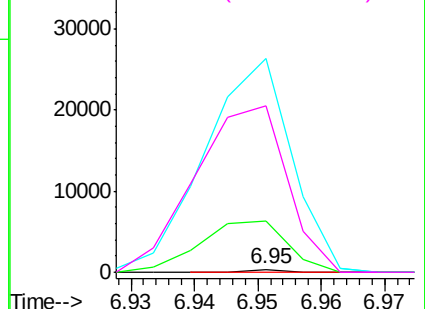


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.821 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Tgt Ion: 70 Resp: 176947

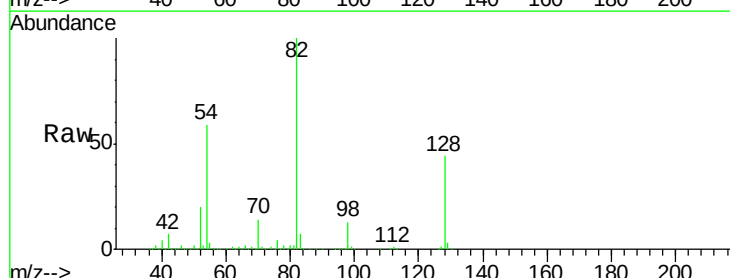
Ion Ratio Lower Upper

70 100

42 54.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

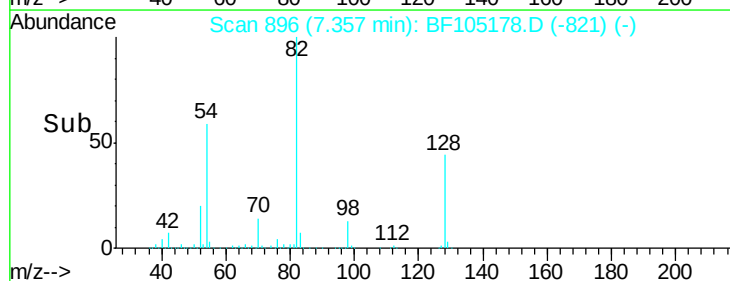
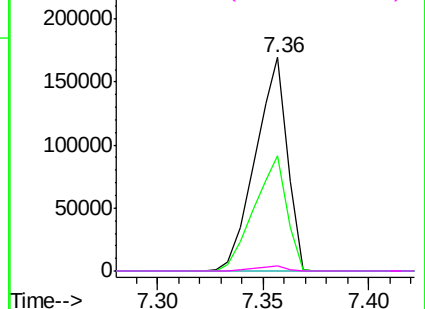


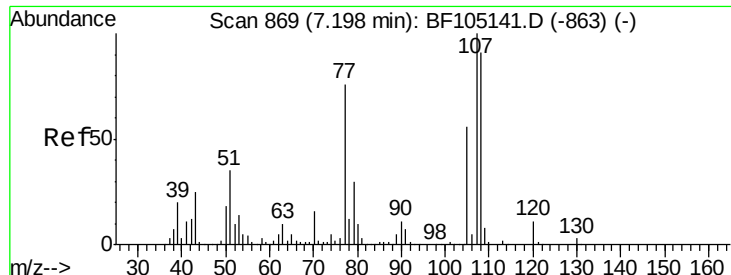
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

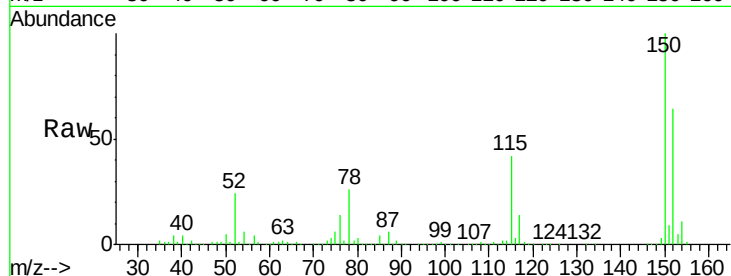




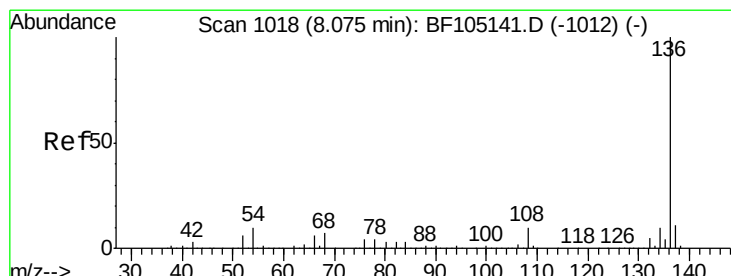
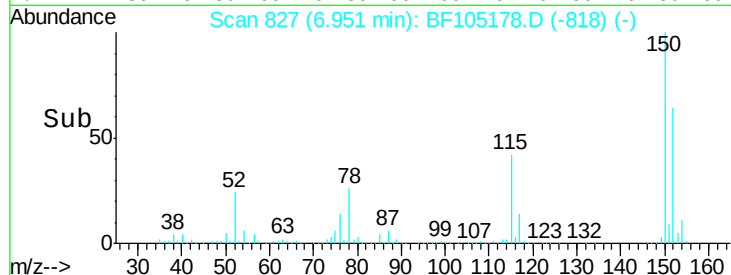
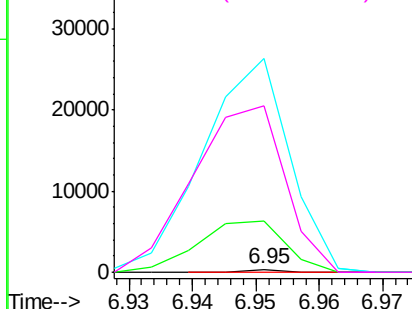
#20
3+4-Methylphenols
Concen: 0.009 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.25 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 135
Ion Ratio Lower Upper
107 100
108 1649.9 68.2 108.2#
77 6876.2 26.7 66.7#
79 5357.7 6.3 46.3#

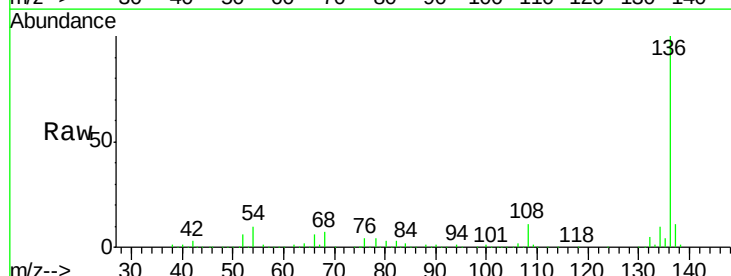


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

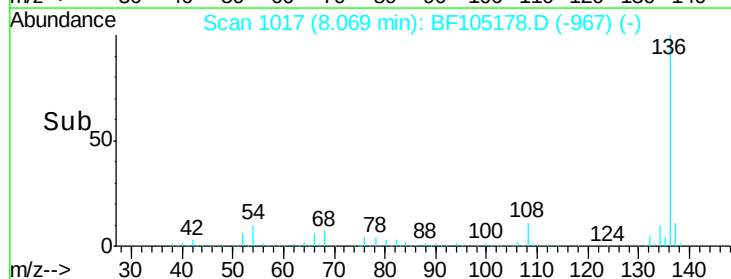
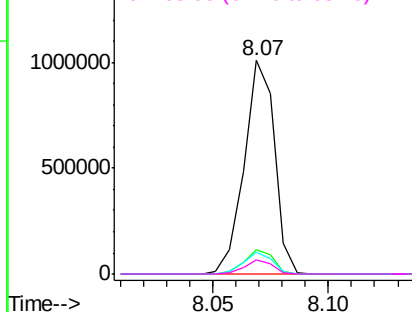


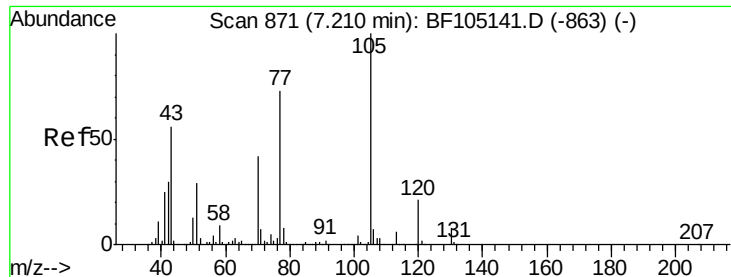
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:136 Resp: 925676
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.2 6.6 9.8#
68 6.6 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: 0.127 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

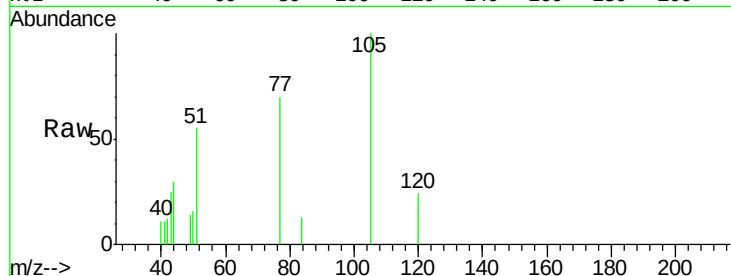
Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 2732

Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 54.9 22.3 33.5#

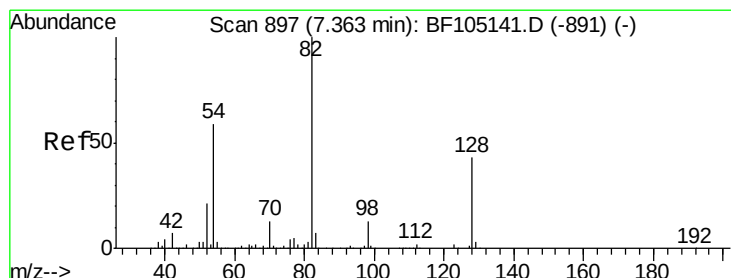
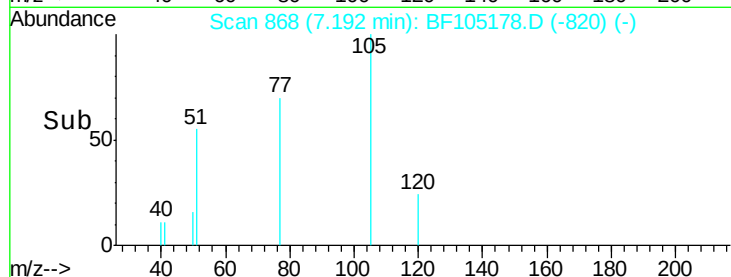
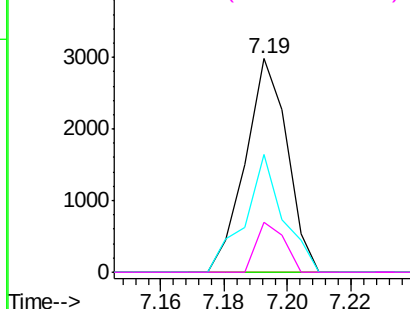
120 23.6 16.9 25.3

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: 95.105 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Tgt Ion: 82 Resp: 1298980

Ion Ratio Lower Upper

82 100

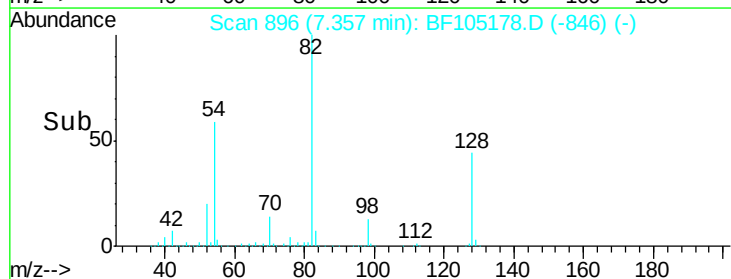
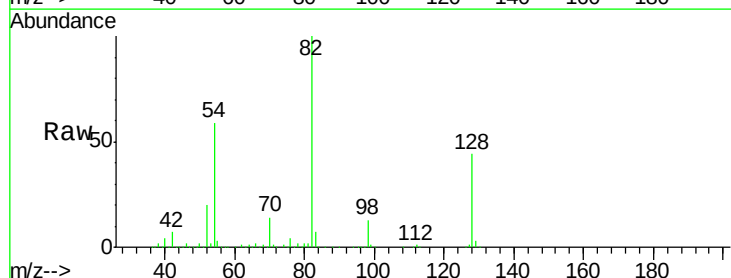
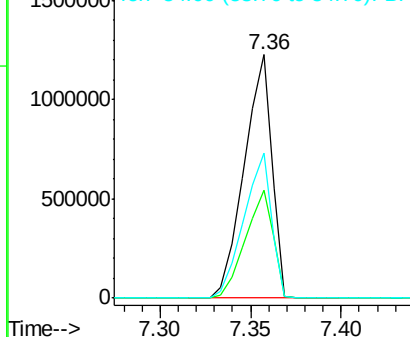
128 44.5 36.1 54.1

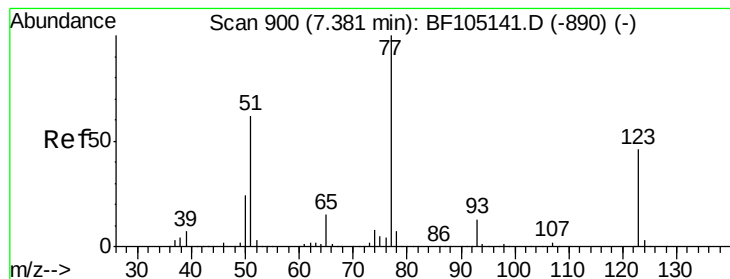
54 59.3 41.4 62.2

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: 0.254 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.03 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

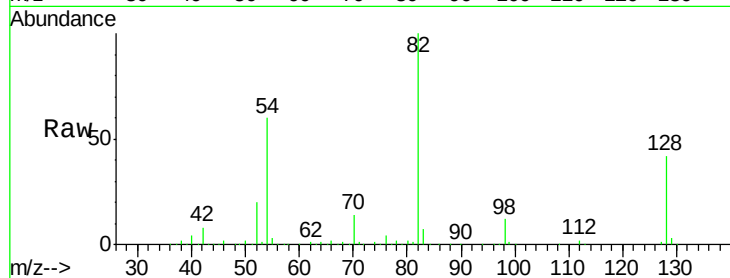
Tot Ion: 77 Resp: 3940

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

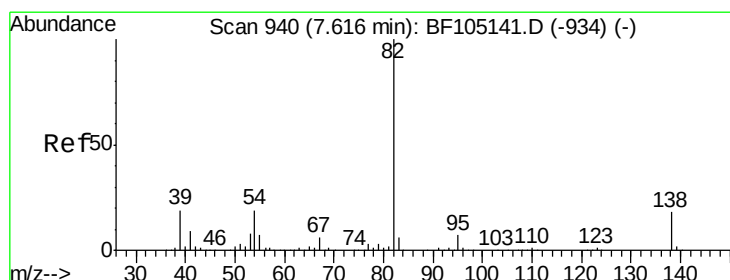
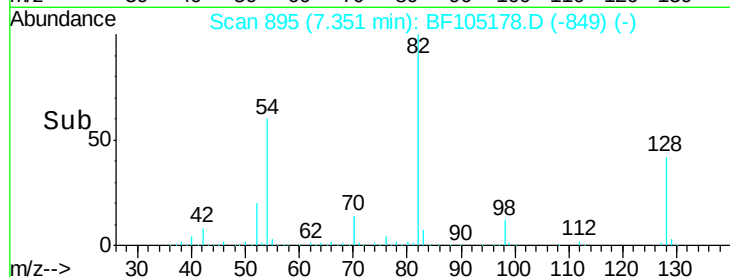
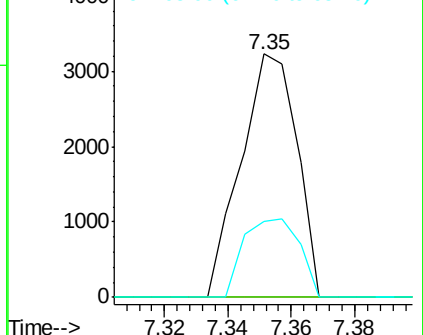
65 31.3 11.0 16.4#



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: 42.525 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

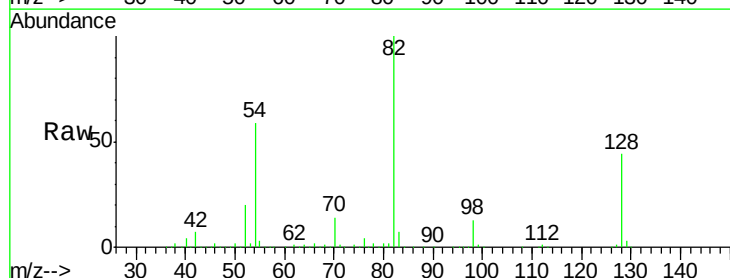
Tgt Ion: 82 Resp: 1298960

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

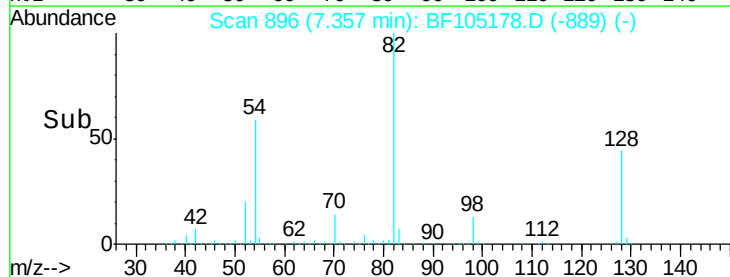
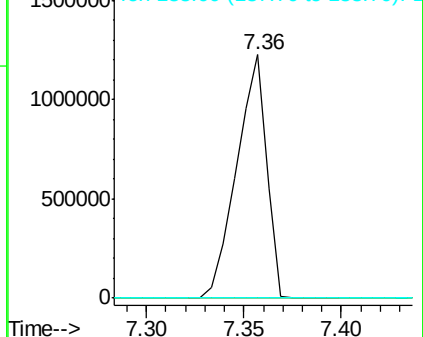
138 0.0 14.9 22.3#

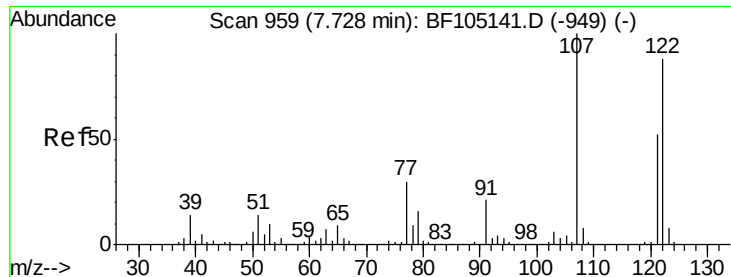


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

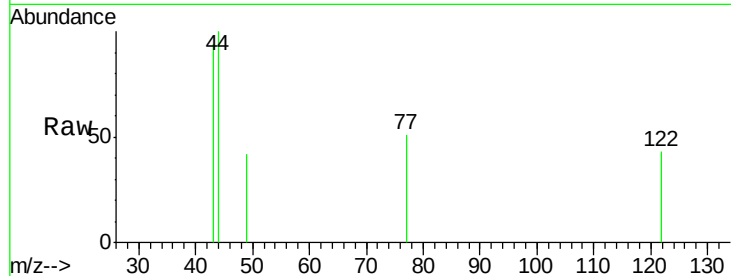




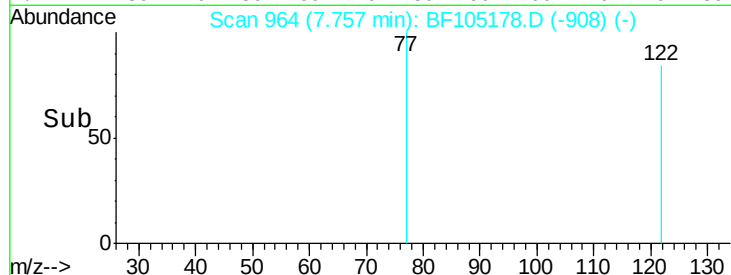
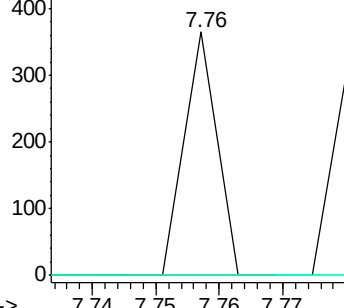
#27
2,4-Dimethylphenol
Concen: 0.010 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.03 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

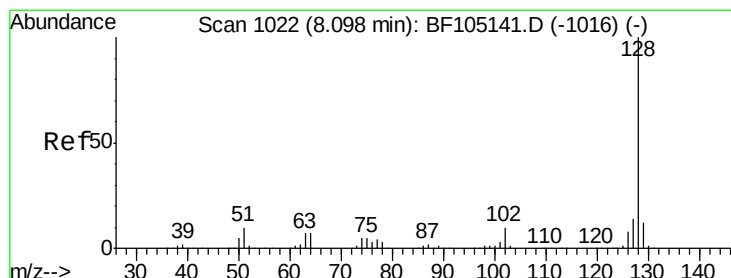
Tot Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
107 0.0 91.2 136.8#
121 0.0 47.2 70.8#



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

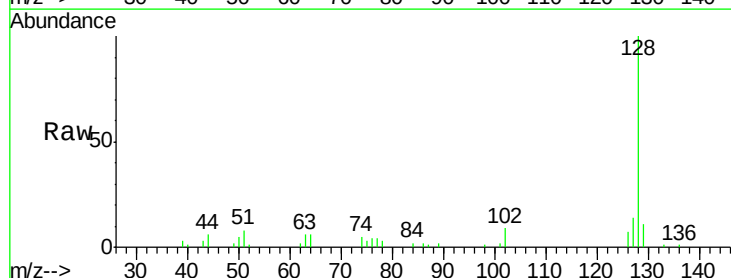


Time-->

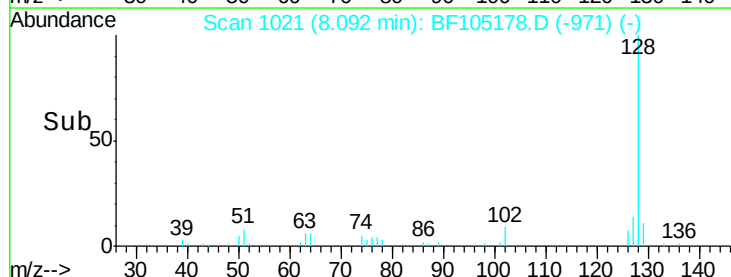
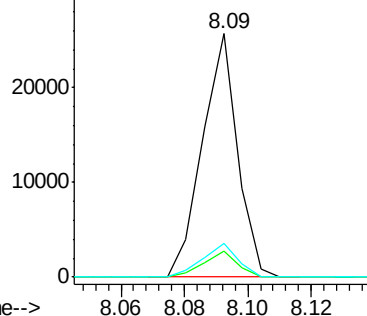


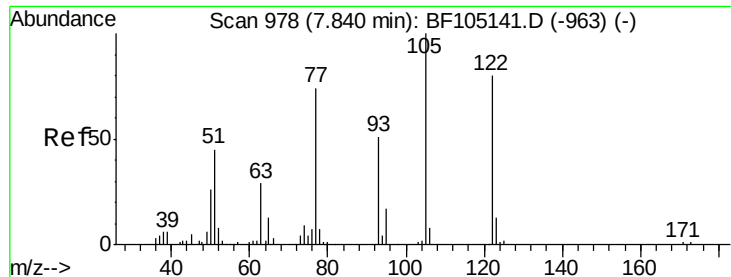
#31
Naphthalene
Concen: 0.443 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:128 Resp: 19726
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 14.0 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: 9.156 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

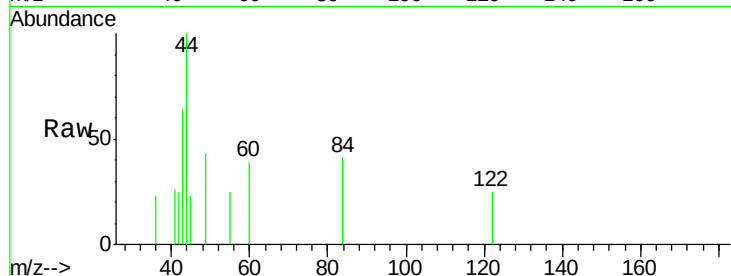
Tot Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

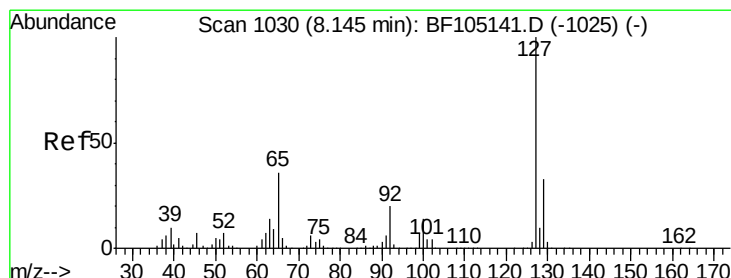
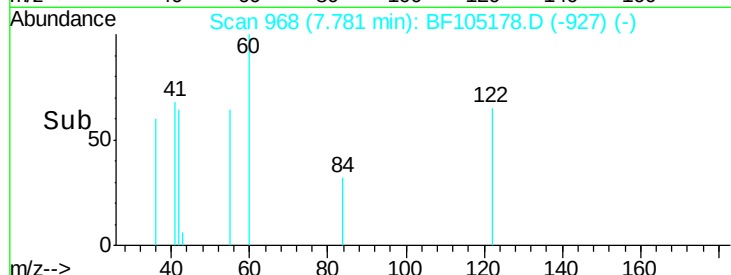
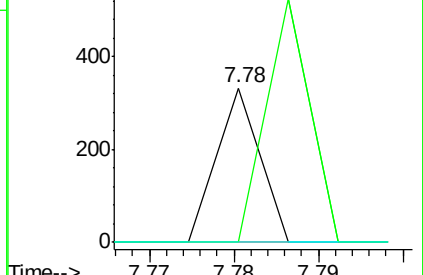
77 0.0 70.7 110.7#



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: 0.148 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.05 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Tgt Ion:127 Resp: 2742

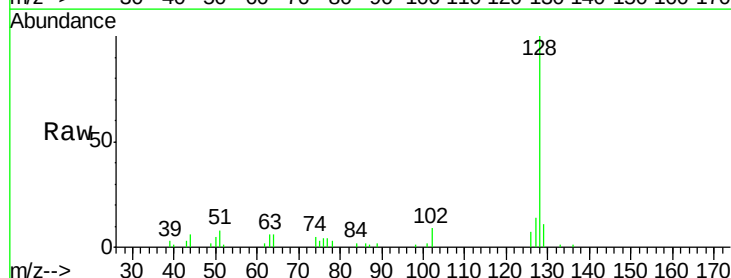
Ion Ratio Lower Upper

127 100

129 75.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

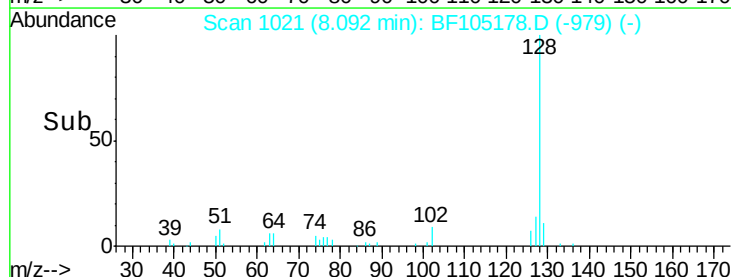
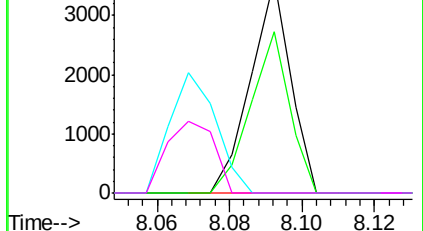


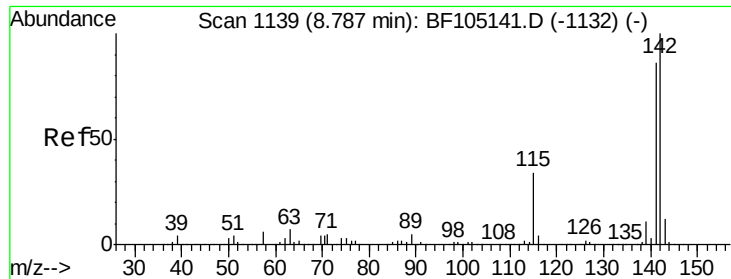
Abundance Ion 127.00 (126.70 to 127.70): E

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

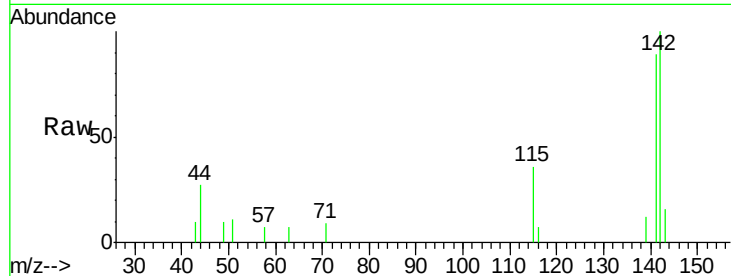




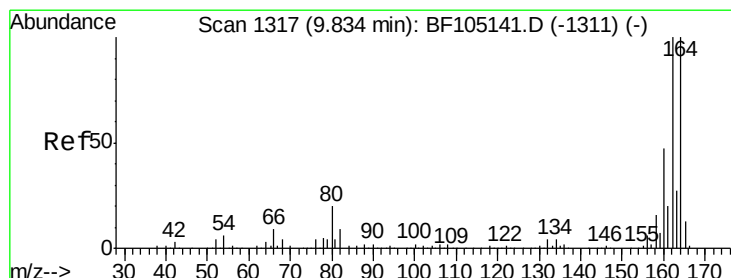
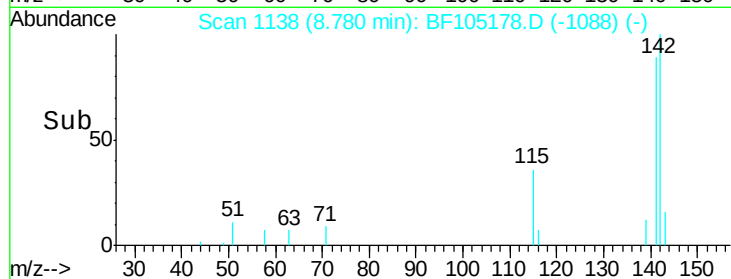
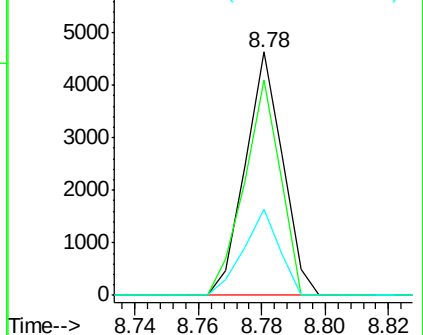
#37
2-Methylnaphthalene
Concen: 0.122 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 3785
Ion Ratio Lower Upper
142 100
141 88.5 70.8 106.2
115 35.6 26.1 39.1

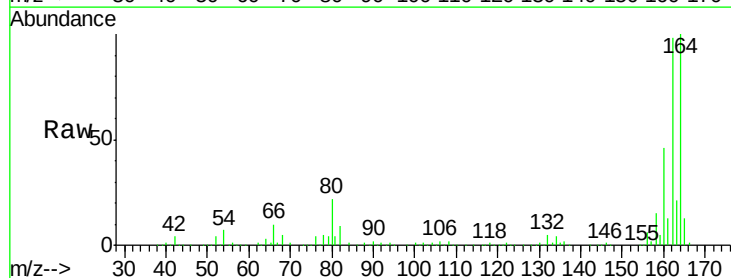


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

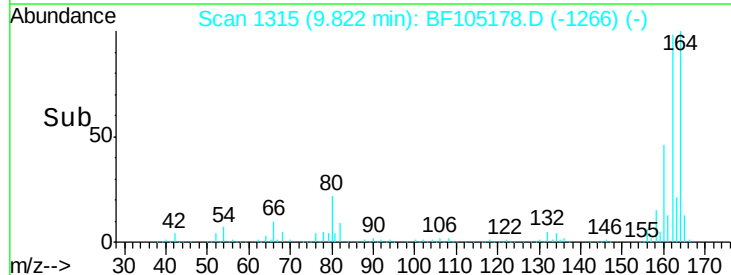
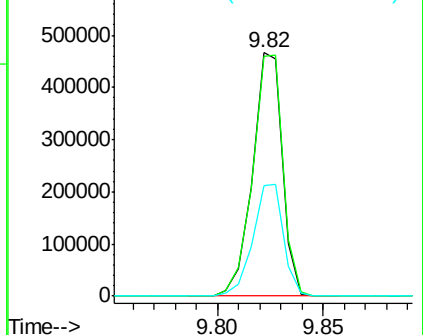


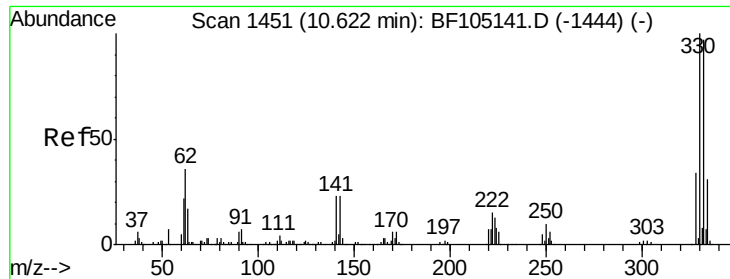
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:164 Resp: 458360
Ion Ratio Lower Upper
164 100
162 98.5 86.1 129.1
160 45.6 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

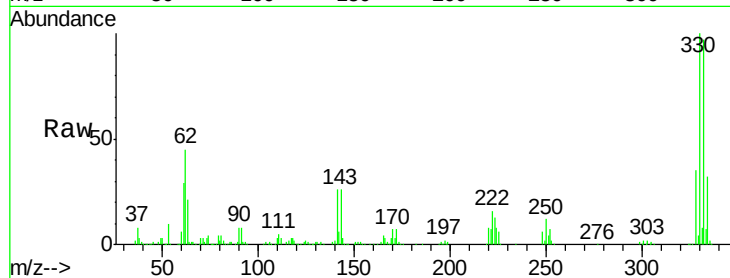




#41
 2,4,6-Tribromophenol
 Concen: 134.510 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105178.D
 Acq: 9 May 2018 6:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	26.0	29.9	44.9#

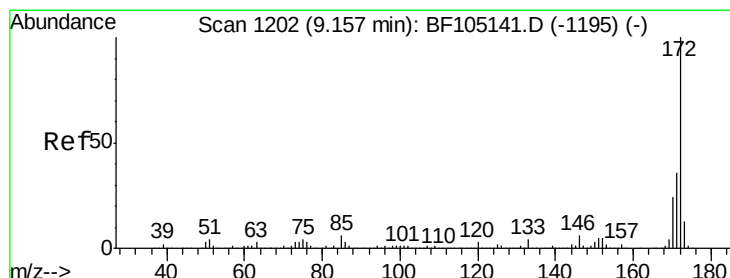
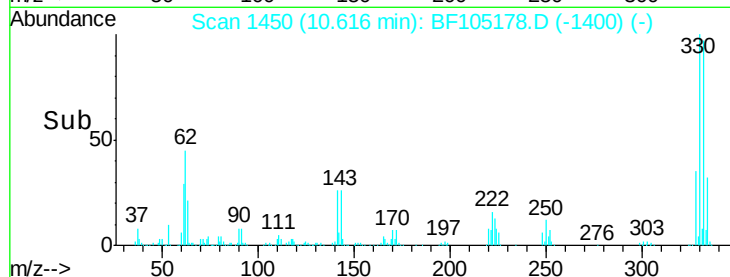
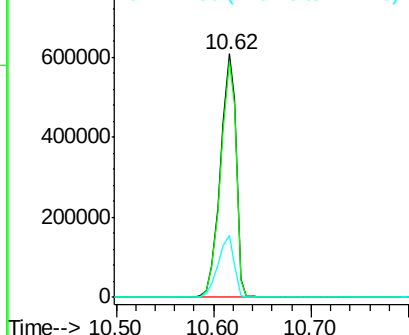


Abundance

Ion 329.80 (329.50 to 330.50): E

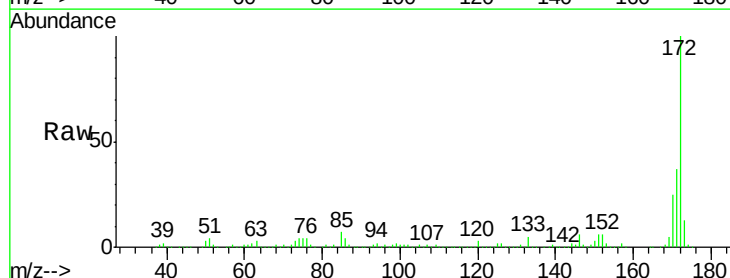
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.986 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105178.D
 Acq: 9 May 2018 6:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	25.1	19.6	29.4

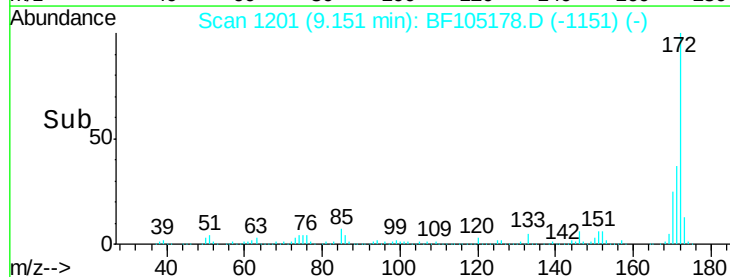
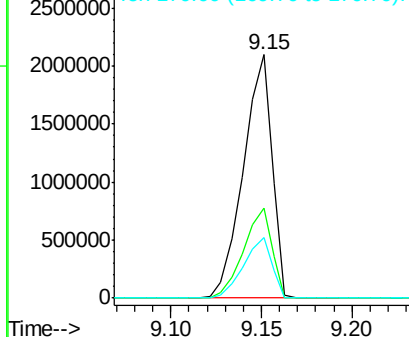


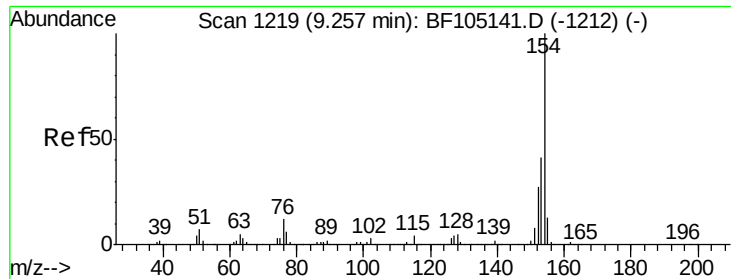
Abundance

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: 0.230 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

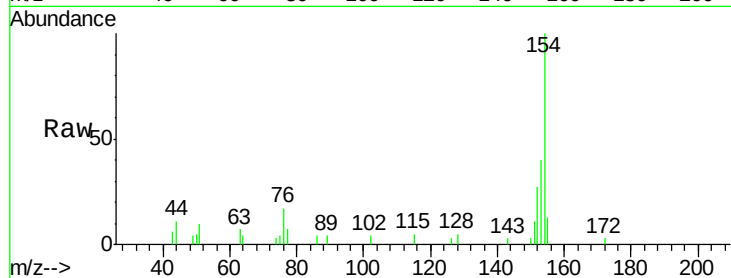
Tot Ion:154 Resp: 8584

Ion Ratio Lower Upper

154 100

153 40.4 21.3 61.3

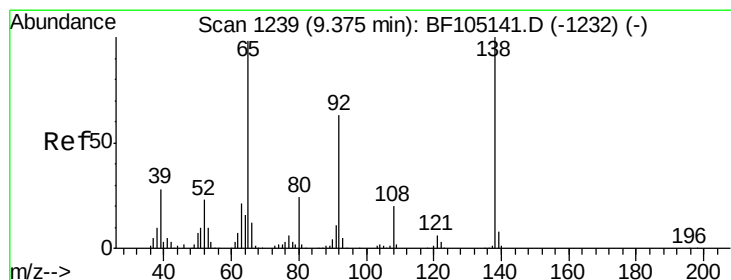
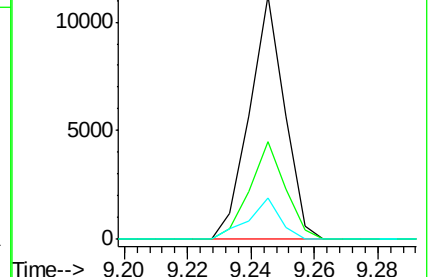
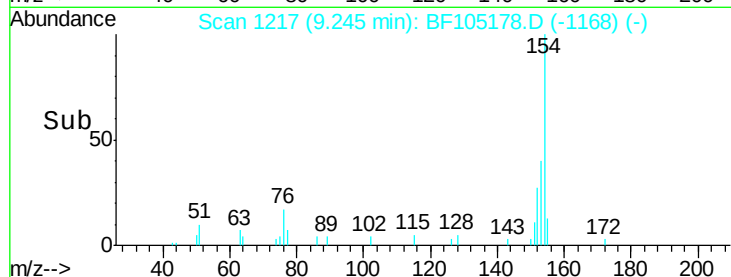
76 17.2 0.0 34.0



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: 6.261 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.23 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

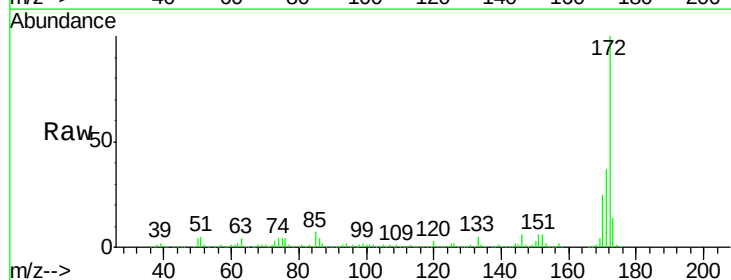
Tgt Ion: 65 Resp: 4222

Ion Ratio Lower Upper

65 100

92 152.4 55.8 83.6#

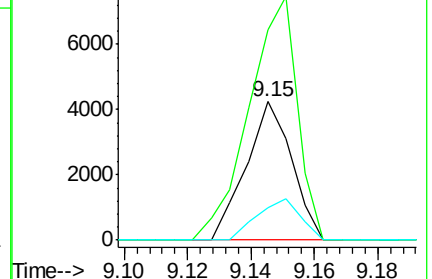
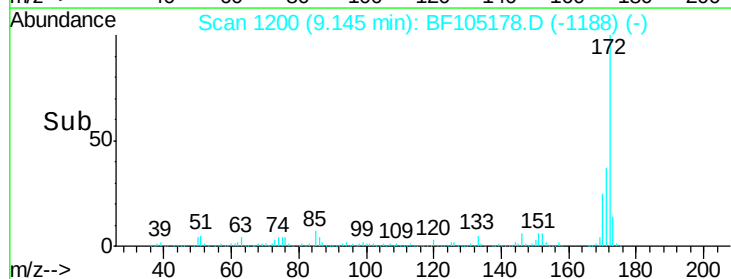
138 23.3 91.2 136.8#

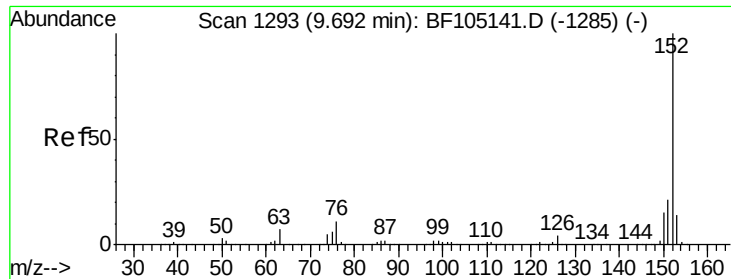


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.006 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

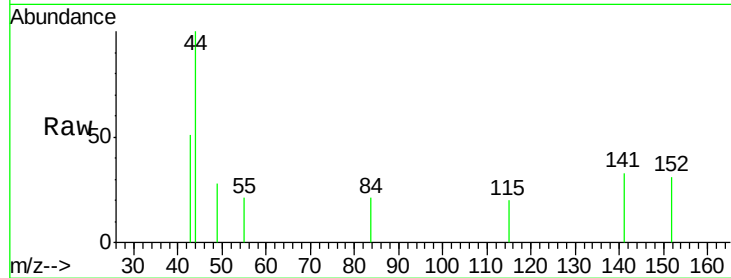
Tot Ion:152 Resp: 277

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

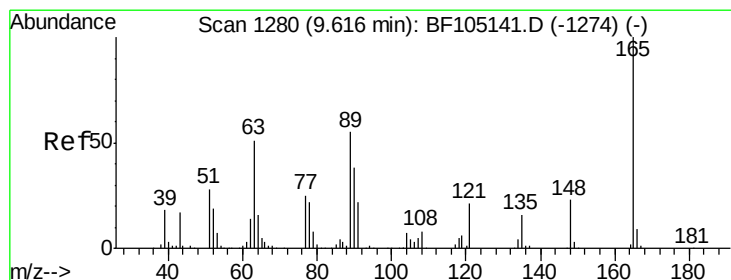
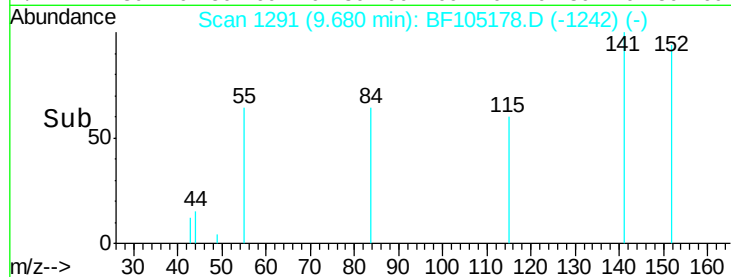
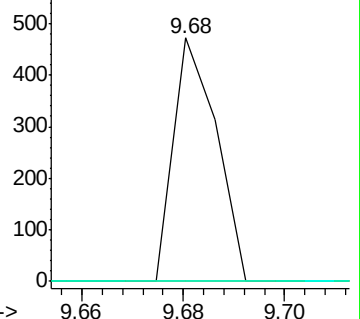
153 0.0 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 8.725 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.21 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

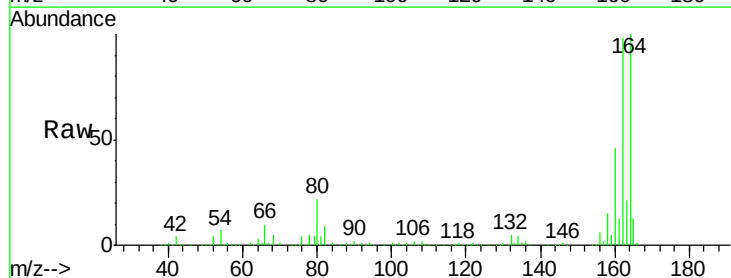
Tgt Ion:165 Resp: 58748

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

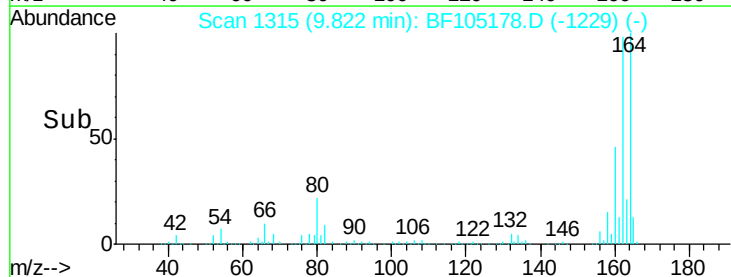
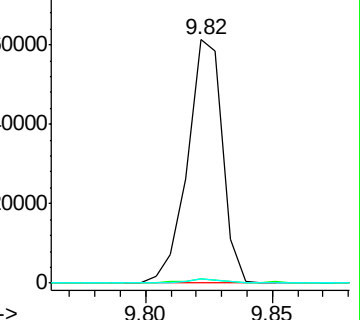
89 1.8 44.0 66.0#

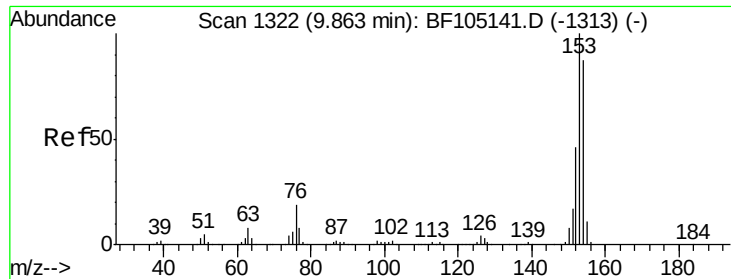


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 0.101 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

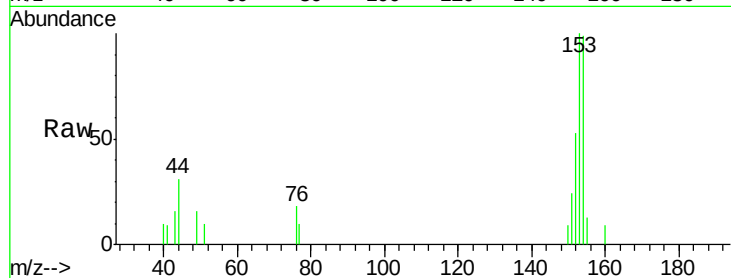
Tot Ion:154 Resp: 2810

Ion Ratio Lower Upper

154 100

153 101.3 91.2 136.8

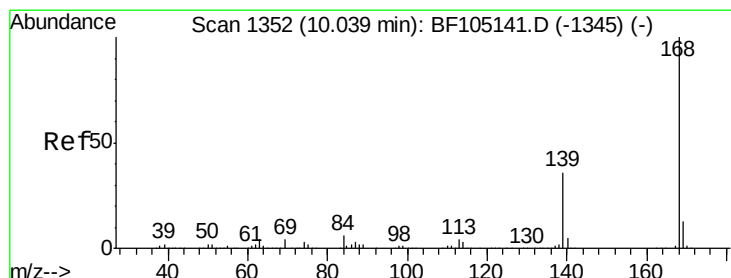
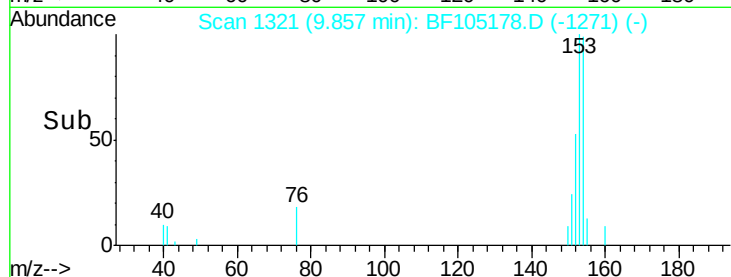
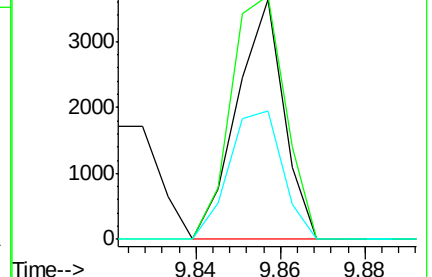
152 53.6 43.8 65.8



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



#54

Dibenzofuran

Concen: 0.084 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

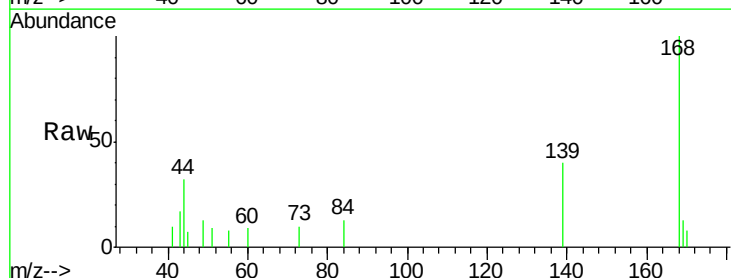
Tgt Ion:168 Resp: 3417

Ion Ratio Lower Upper

168 100

139 39.8 30.1 45.1

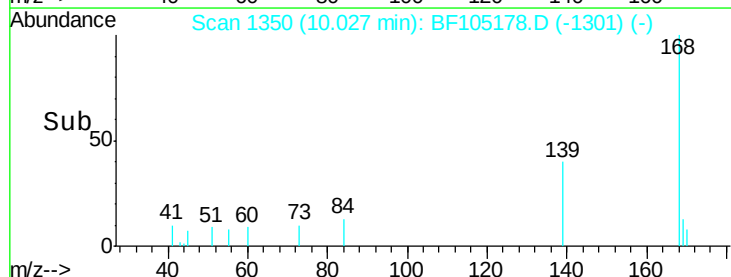
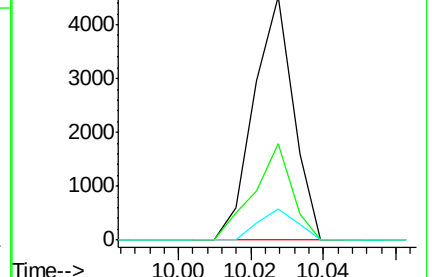
169 12.9 10.9 16.3

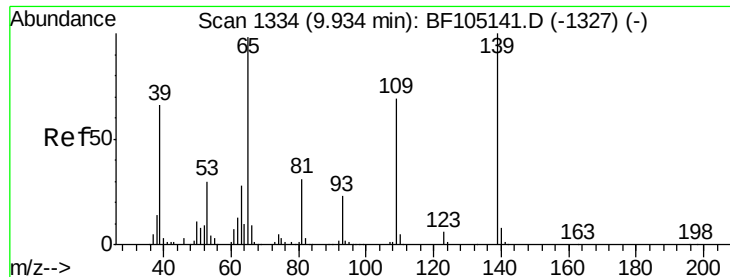


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

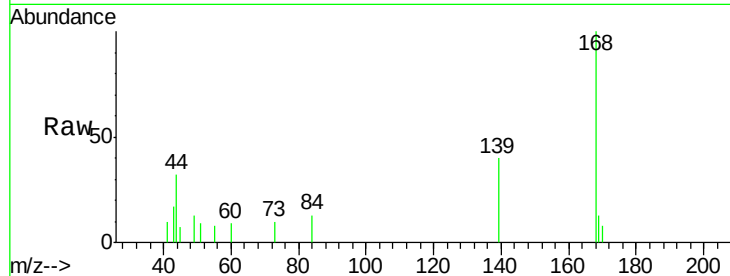




#55
4-Nitrophenol
Concen: 4.494 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.09 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

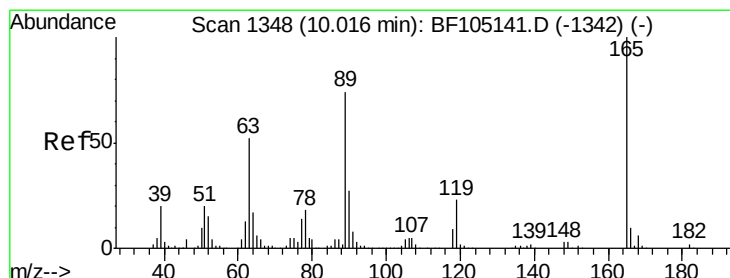
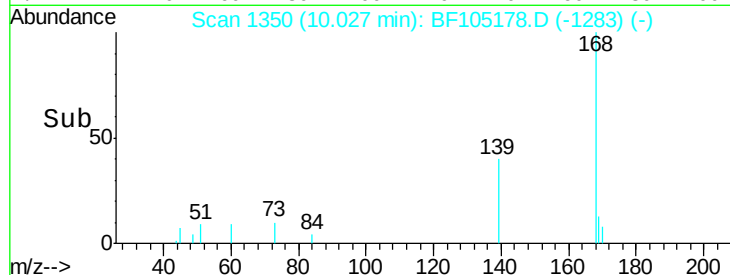
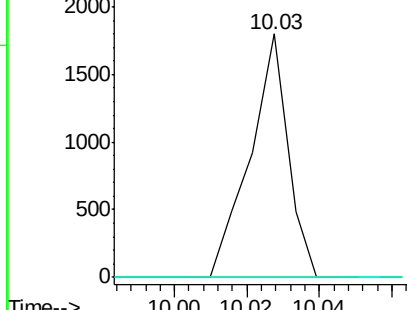


Abundance

Ion 139.00 (138.70 to 139.70): E

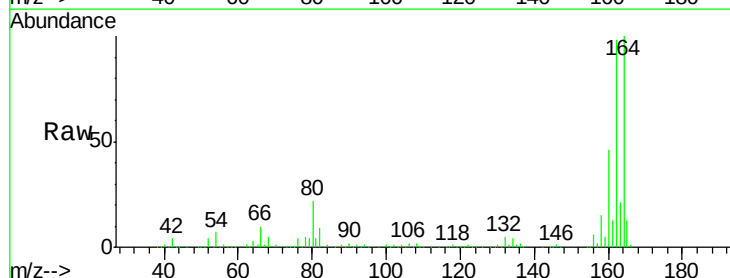
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56
2,4-Dinitrotoluene
Concen: 9.677 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



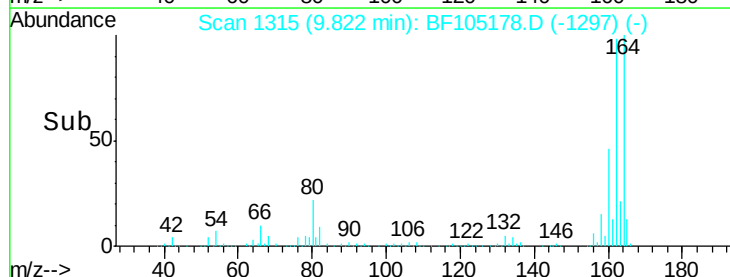
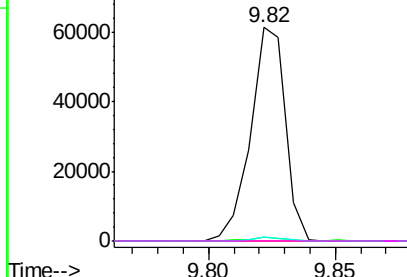
Abundance

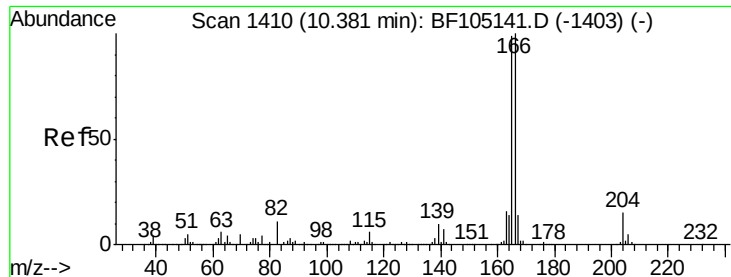
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

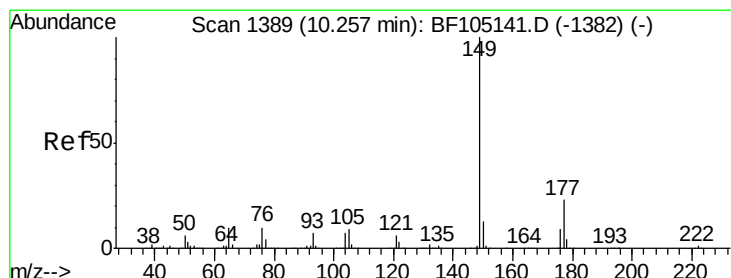
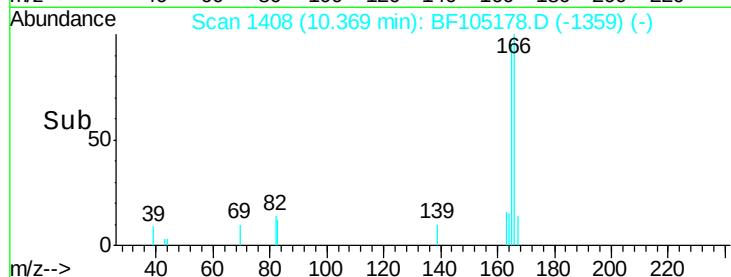
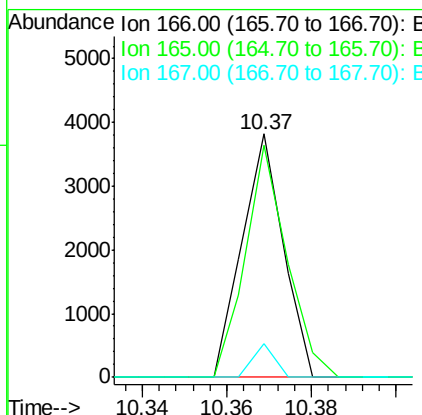
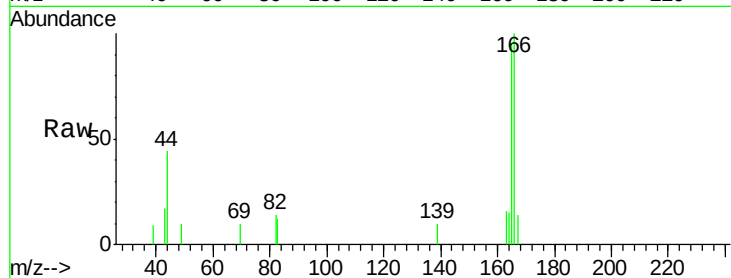




#57
Fluorene
Concen: 0.087 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

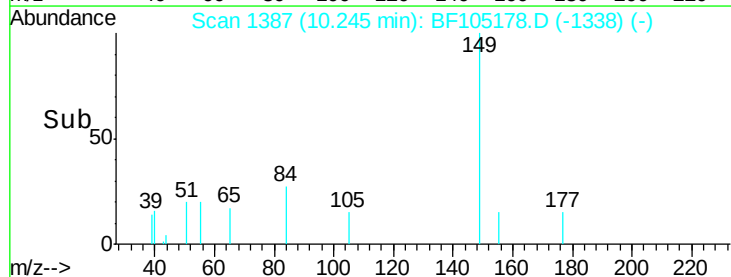
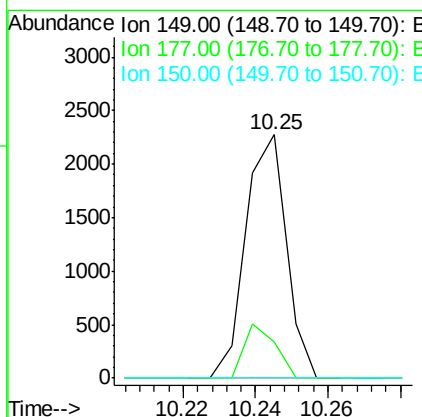
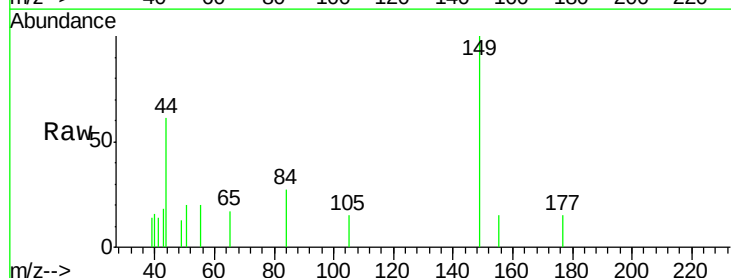
Instrument :
BNA_F
ClientSampleId :

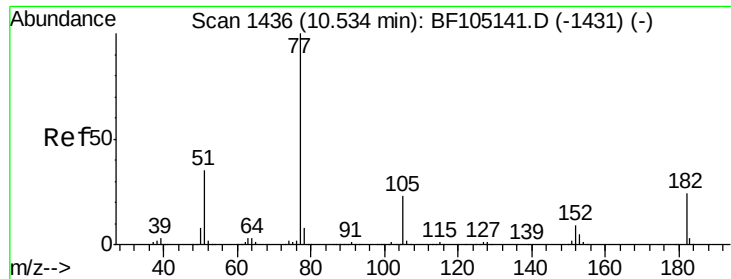
Tot Ion:166 Resp: 2582
Ion Ratio Lower Upper
166 100
165 95.3 79.8 119.8
167 13.9 10.6 16.0



#59
Diethylphthalate
Concen: 0.058 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:149 Resp: 1763
Ion Ratio Lower Upper
149 100
177 14.9 16.1 24.1#
150 0.0 10.1 15.1#





#62

Azobenzene

Concen: 0.004 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 131

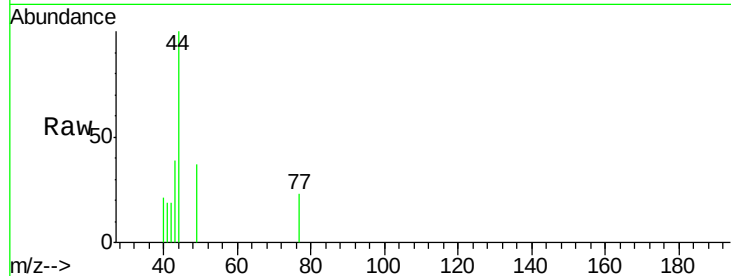
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 0.0 3.0 43.0#

51 0.0 9.9 49.9#



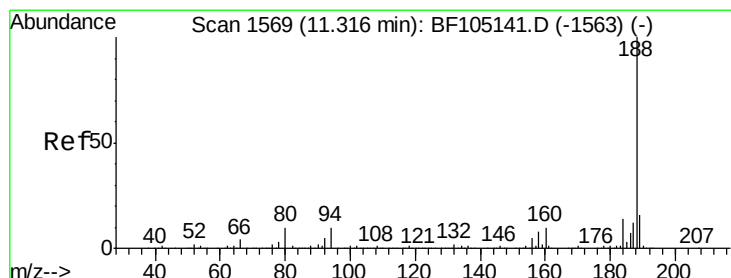
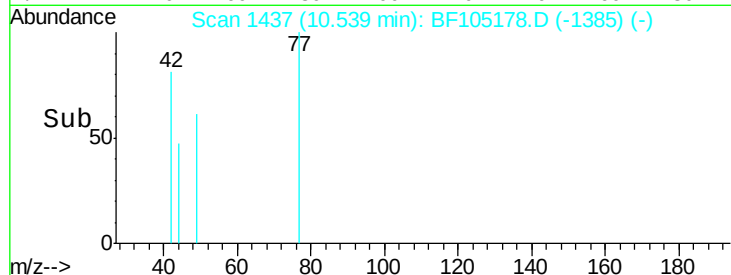
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

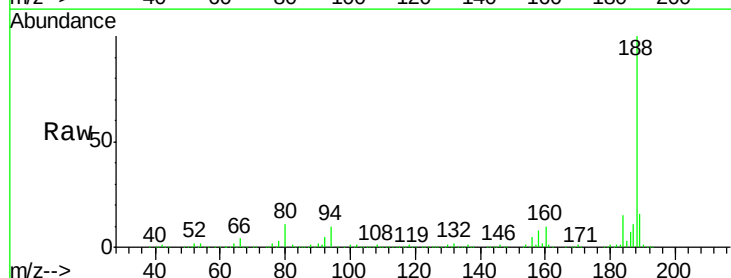
Tgt Ion: 188 Resp: 911284

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

80 10.7 9.2 13.8

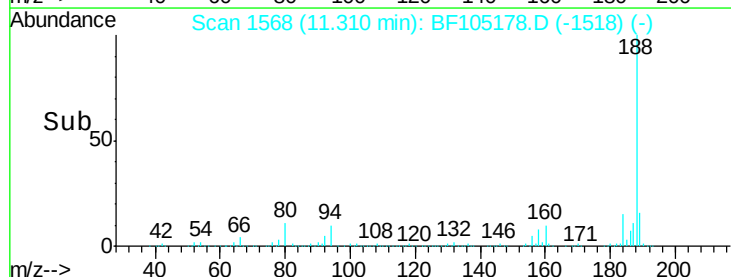


Abundance Ion 188.00 (187.70 to 188.70): BF1

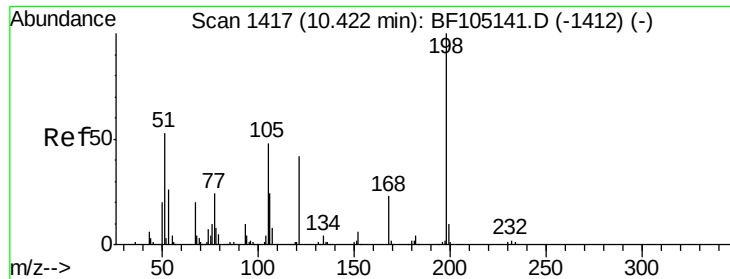
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 9.114 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.19 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

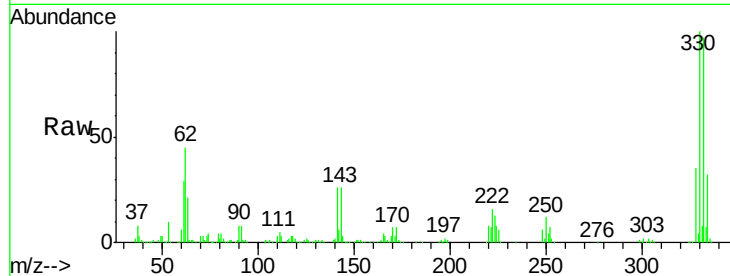
Tot Ion:198 Resp: 1133

Ion Ratio Lower Upper

198 100

51 202.1 37.7 77.7#

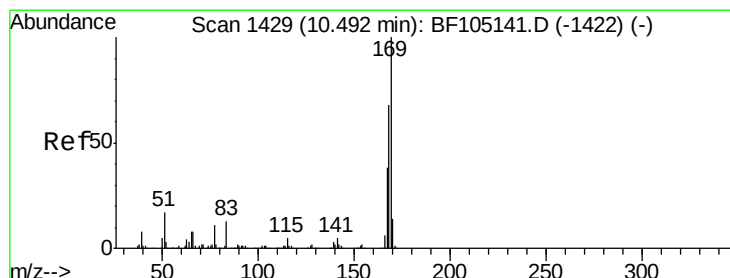
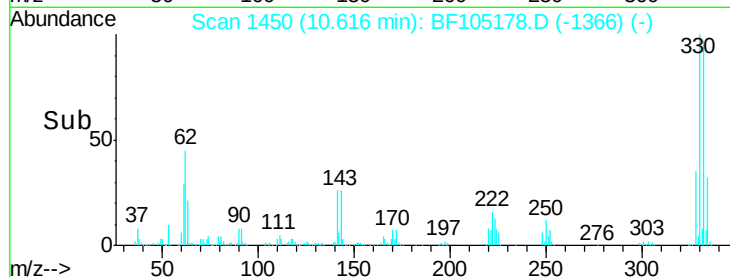
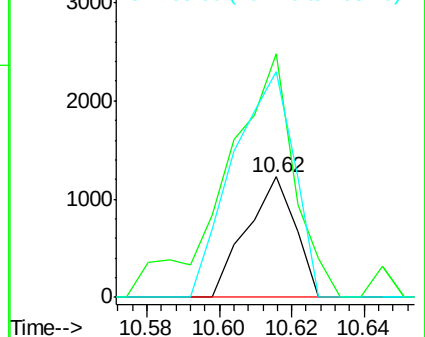
105 187.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.627 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.12 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

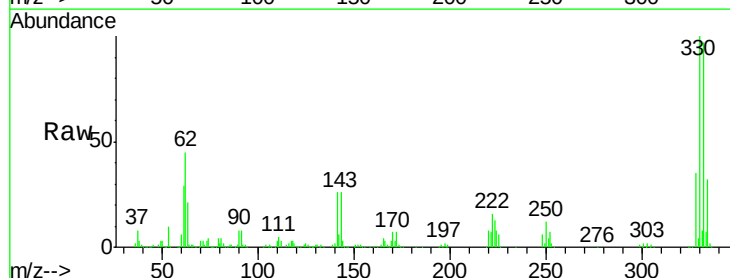
Tgt Ion:169 Resp: 17816

Ion Ratio Lower Upper

169 100

168 7.9 54.4 81.6#

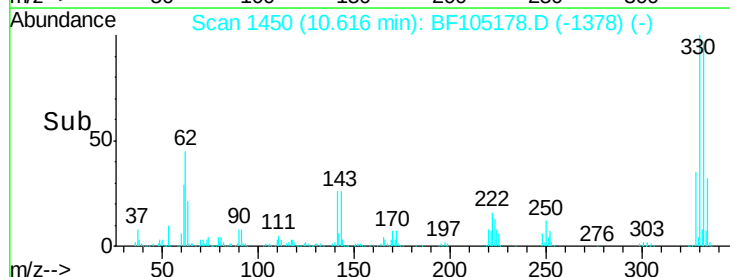
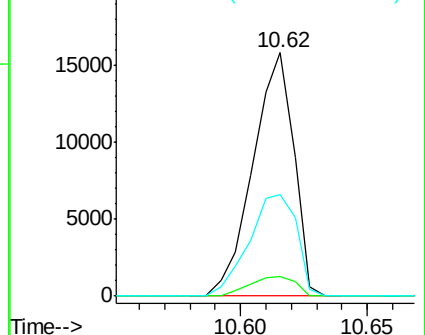
167 41.5 29.8 44.6

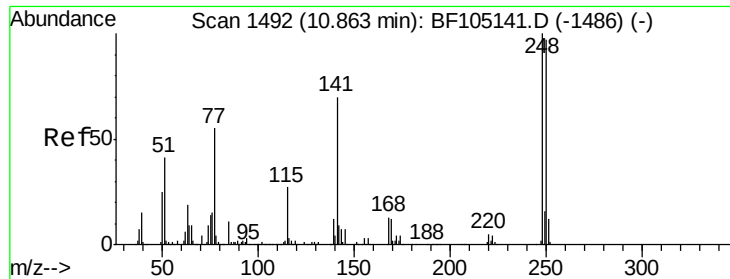


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

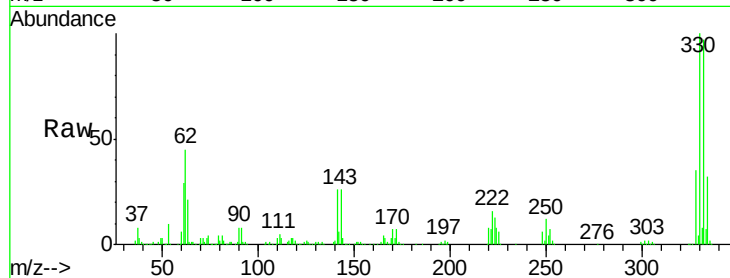




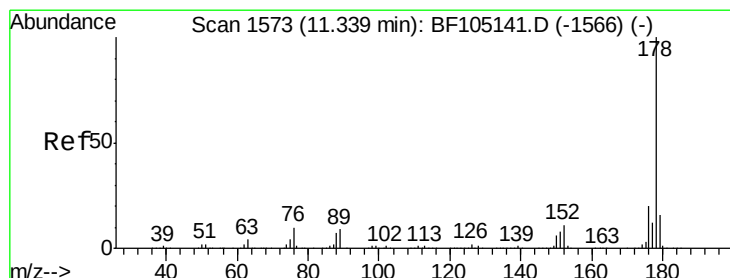
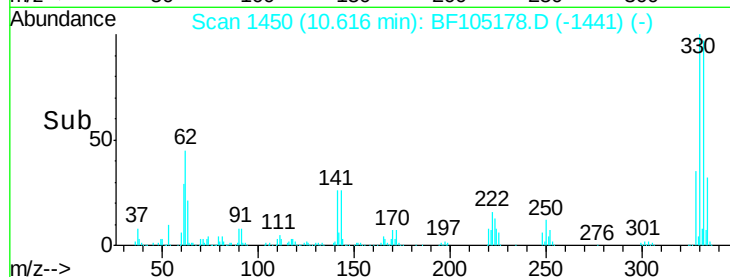
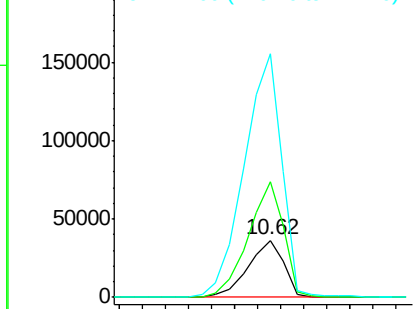
#66
4-Bromophenyl-phenylether
Concen: 4.017 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 39041
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 429.1 74.4 111.6#

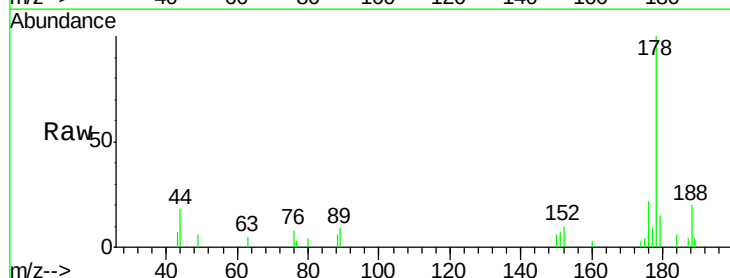


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

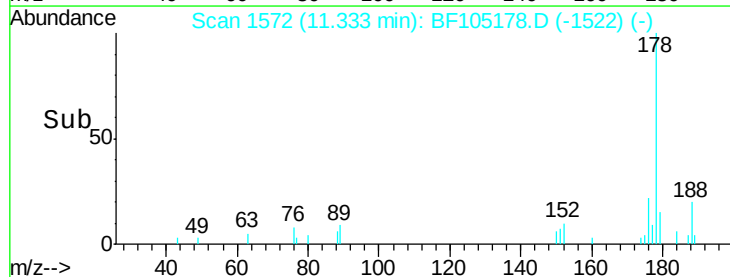
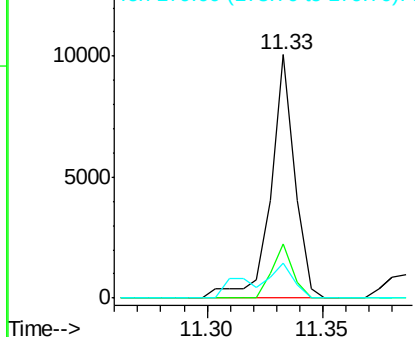


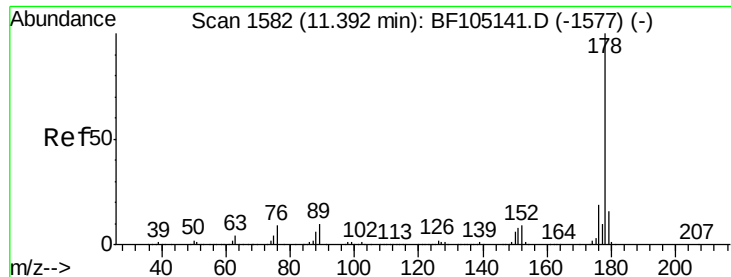
#70
Phenanthrene
Concen: 0.150 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:178 Resp: 7219
Ion Ratio Lower Upper
178 100
176 22.4 15.8 23.8
179 14.5 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

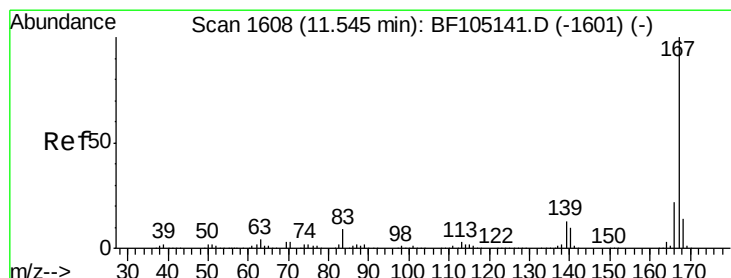
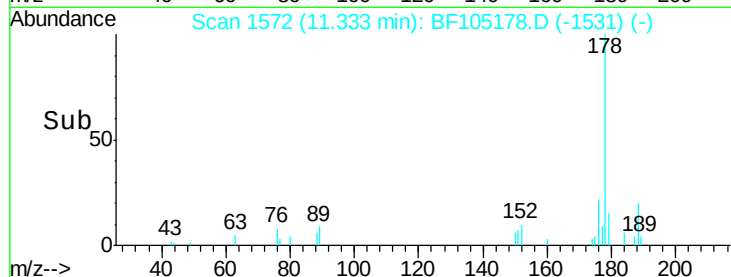
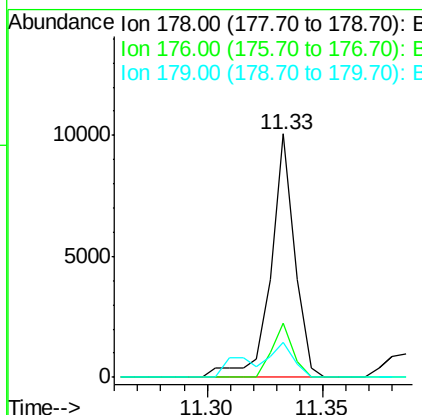
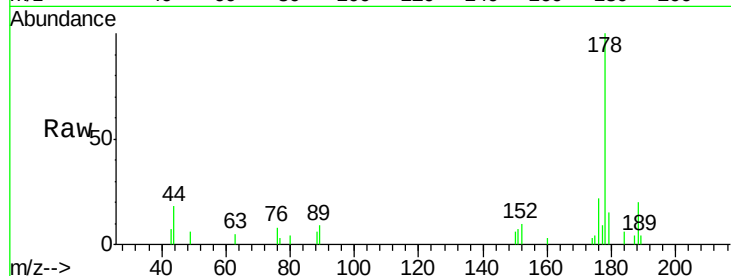




#71
 Anthracene
 Concen: 0.148 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.06 min
 Lab File: BF105178.D
 Acq: 9 May 2018 6:56

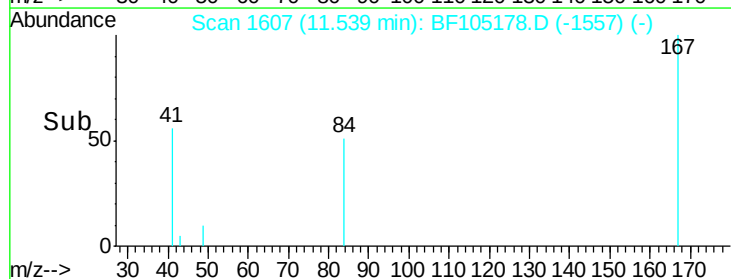
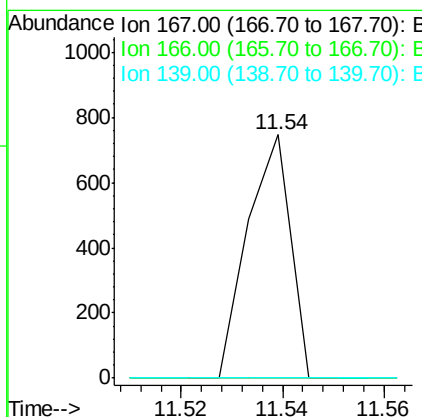
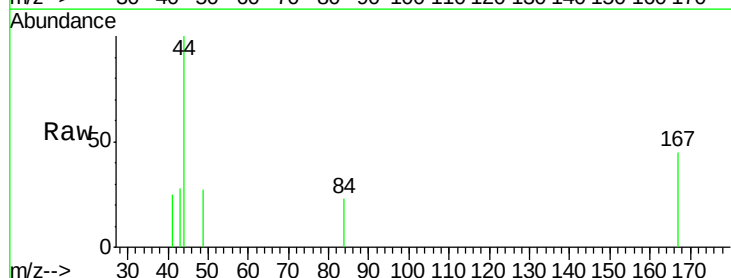
Instrument :
 BNA_F
 ClientSampleId :

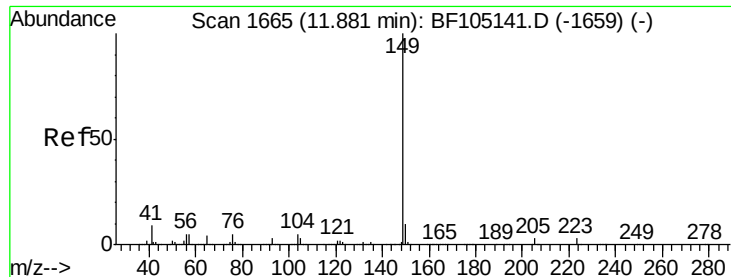
Tot Ion:178 Resp: 7219
 Ion Ratio Lower Upper
 178 100
 176 22.4 15.4 23.2
 179 14.5 12.6 19.0



#72
 Carbazole
 Concen: 0.010 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105178.D
 Acq: 9 May 2018 6:56

Tgt Ion:167 Resp: 436
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.6 26.4#
 139 0.0 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 0.044 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

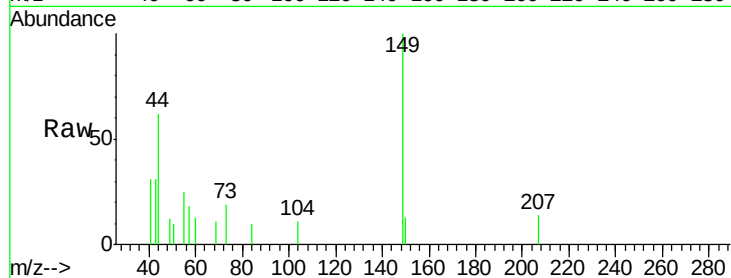
Tot Ion:149 Resp: 2078

Ion Ratio Lower Upper

149 100

150 12.8 7.8 11.6#

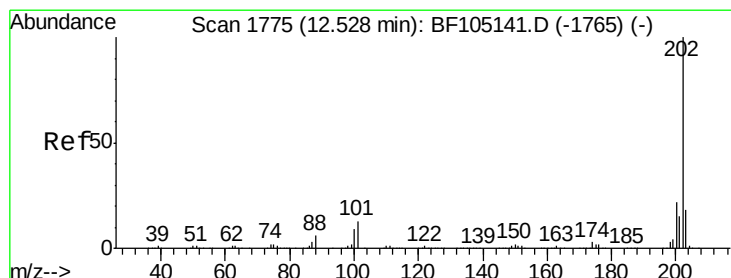
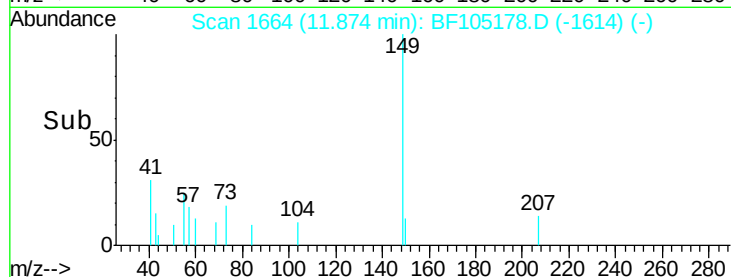
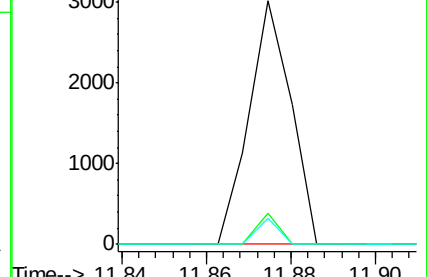
104 10.9 3.8 5.8#



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: 0.022 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

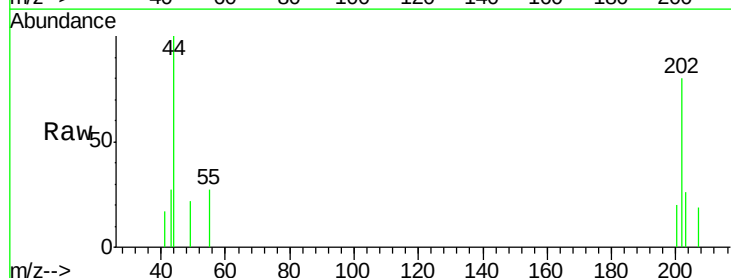
Tgt Ion:202 Resp: 1121

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.1

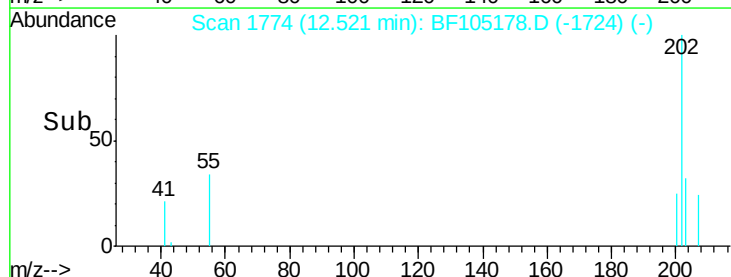
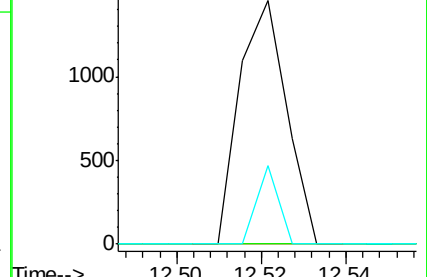
203 32.2 0.0 38.1

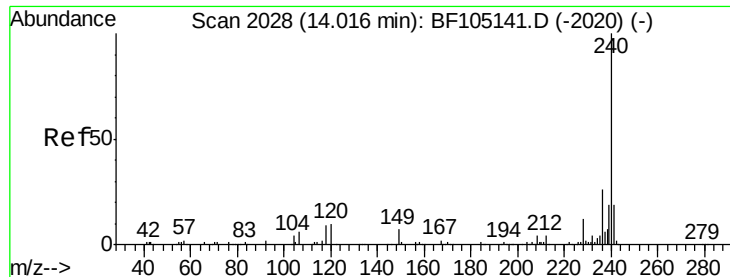


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleID :

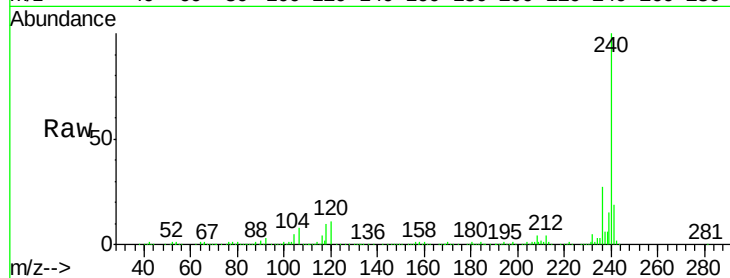
Tot Ion:240 Resp: 769195

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

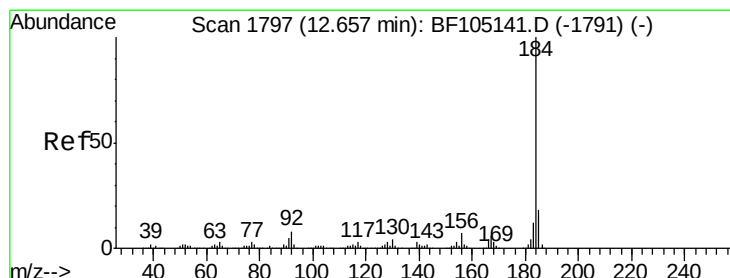
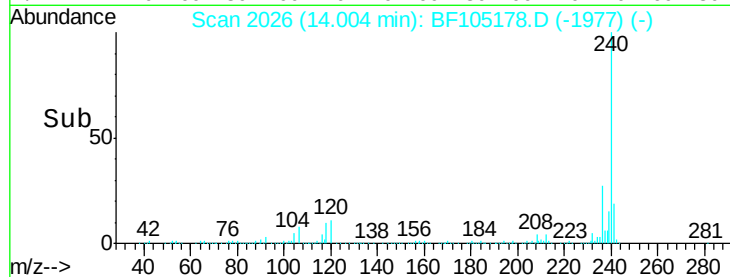
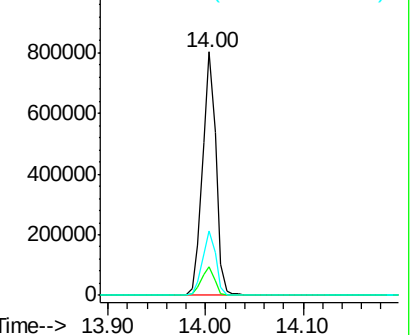
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.157 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

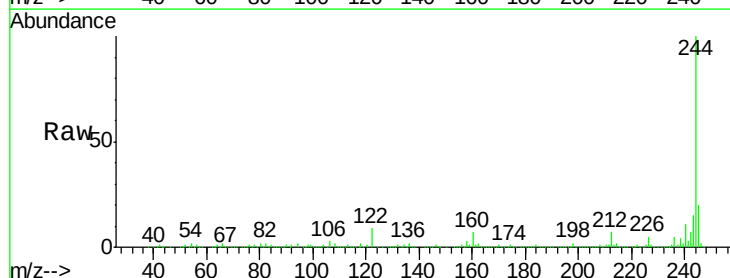
Tgt Ion:184 Resp: 33243

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

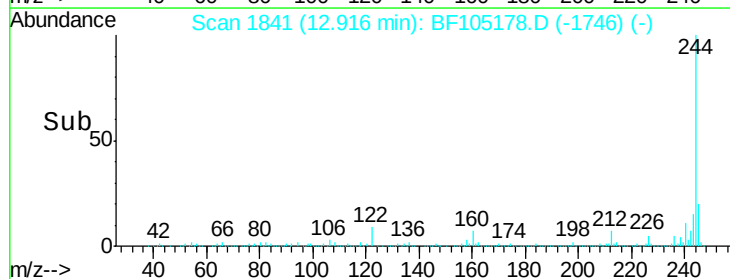
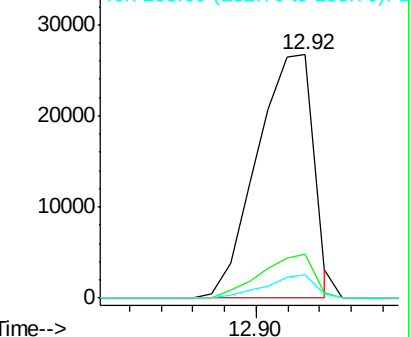
183 9.6 9.3 13.9

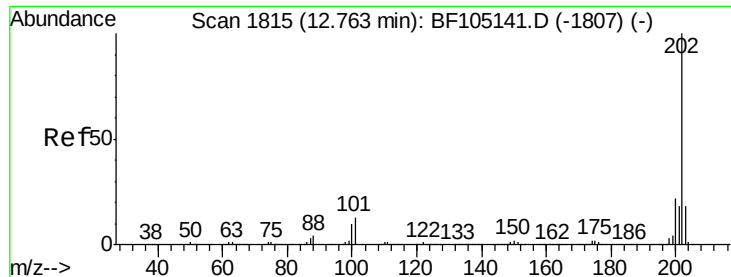


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

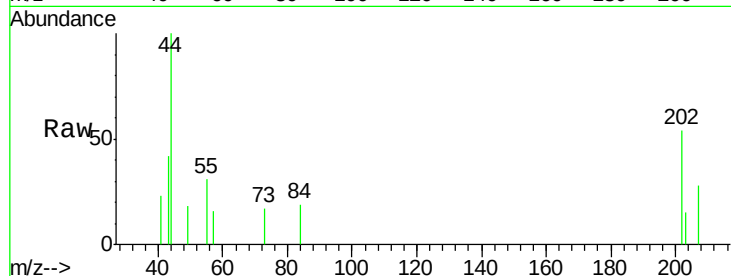




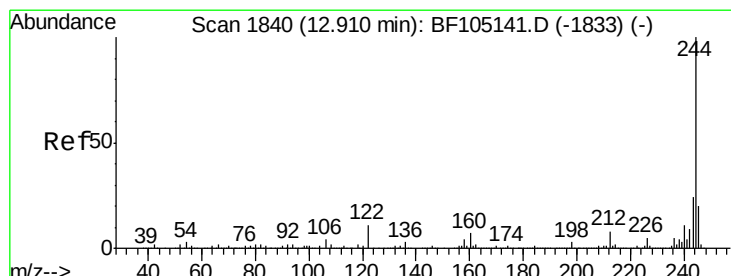
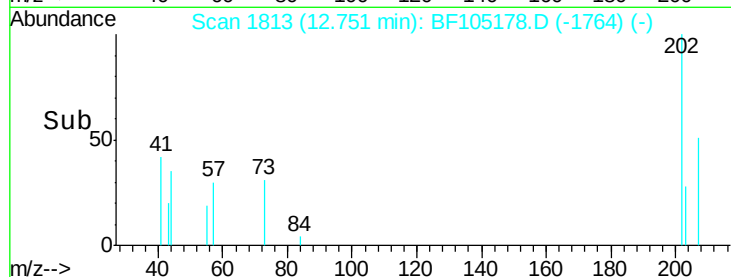
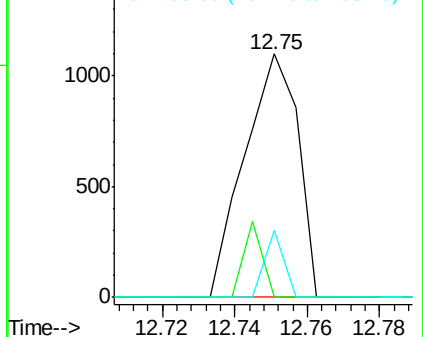
#77
Pvrene
Concen: 0.020 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1119
Ion Ratio Lower Upper
202 100
200 0.0 17.4 26.2#
203 27.7 14.3 21.5#

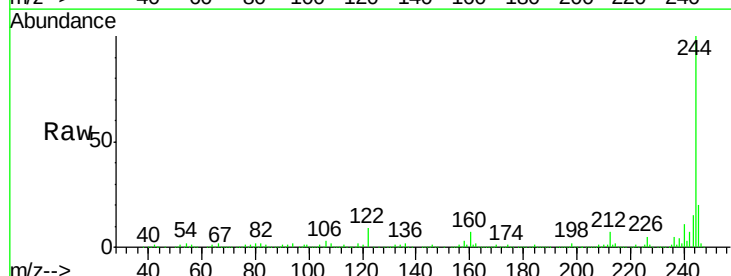


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

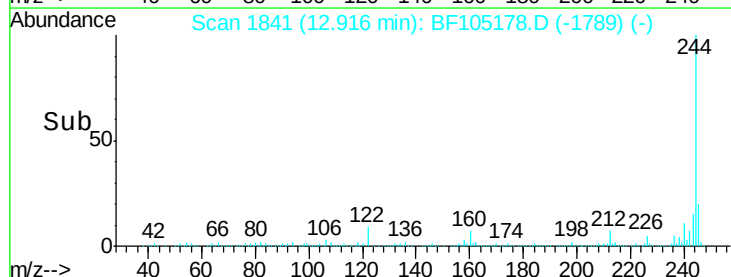
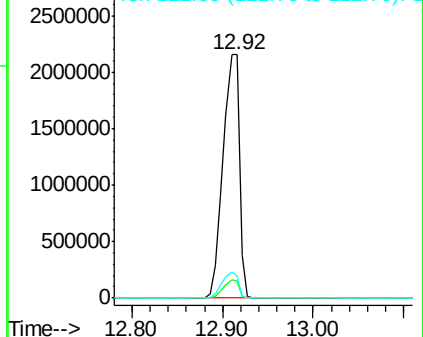


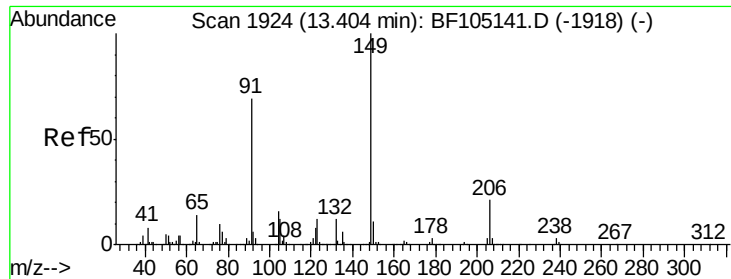
#78
Terphenyl-d14
Concen: 81.082 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:244 Resp: 2684966
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 9.3 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

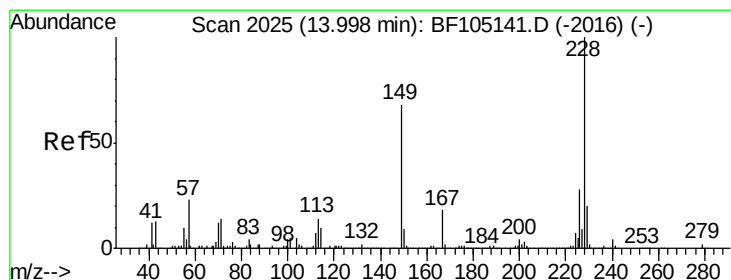
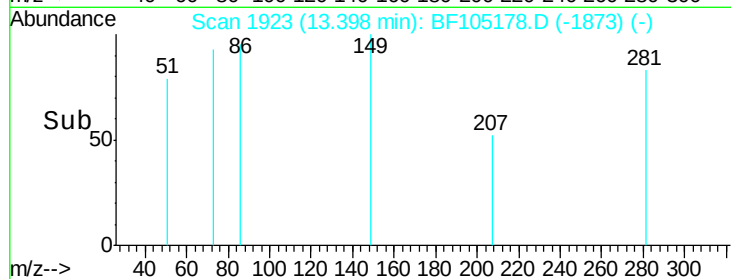
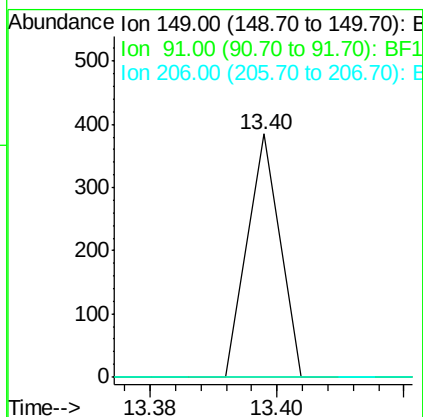
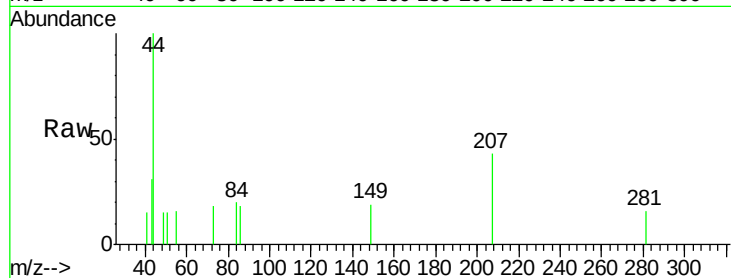




#79
Butylbenzylphthalate
Concen: 6.905 ng
RT: 13.40 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

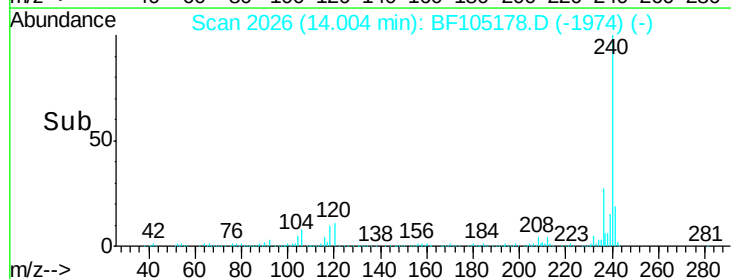
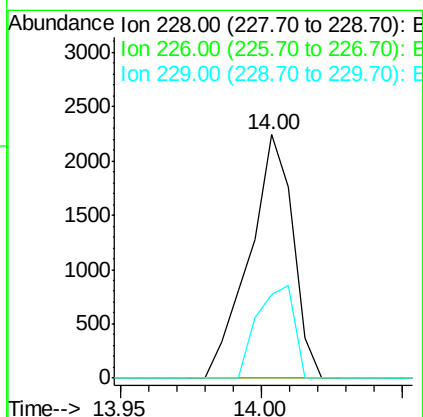
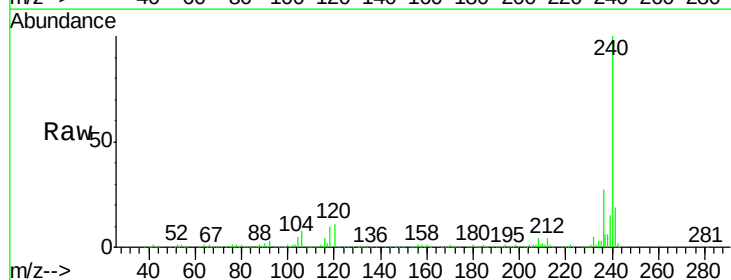
Instrument :
BNA_F
ClientSampled :

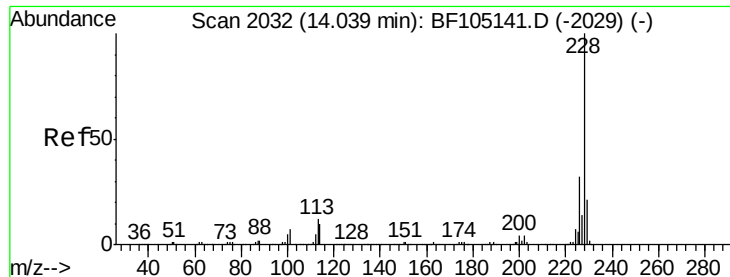
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	56.8	85.2#
206	0.0	14.1	21.1#



#80
Benzo(a)anthracene
Concen: 0.052 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.6	33.8#
229	34.5	15.8	23.6#





#82

Chrysene

Concen: 0.050 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

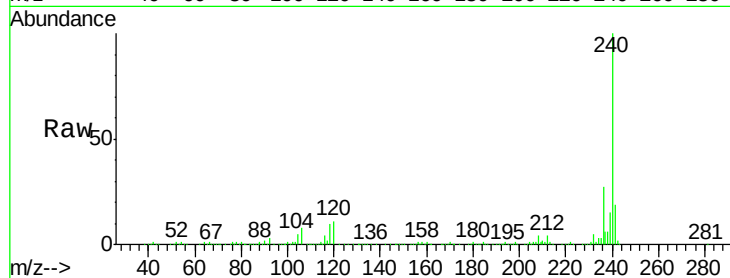
Tot Ion:228 Resp: 2403

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

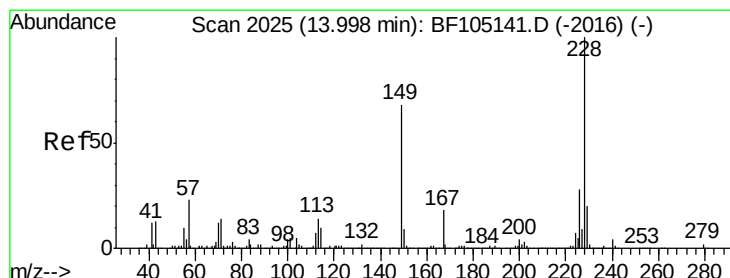
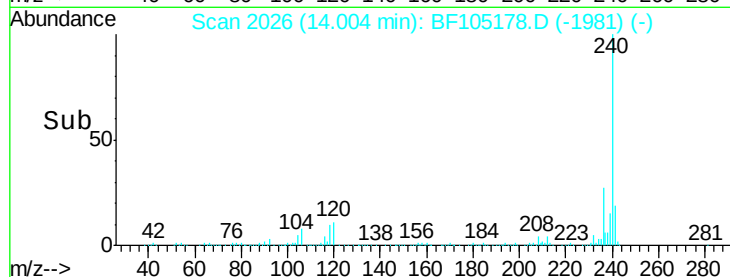
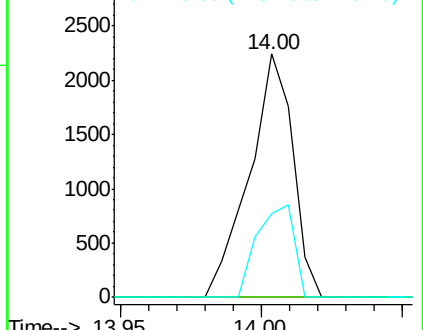
229 34.5 16.2 24.4#



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: 0.028 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF105178.D

Acq: 9 May 2018 6:56

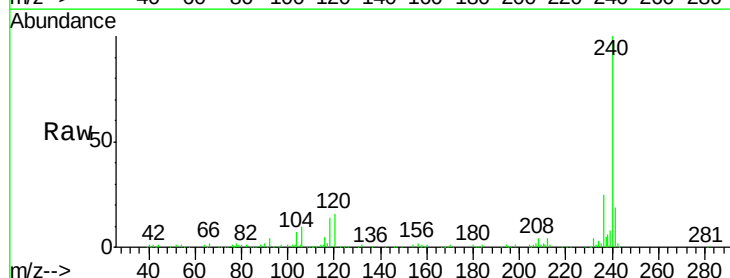
Tgt Ion:149 Resp: 644

Ion Ratio Lower Upper

149 100

167 50.1 21.3 31.9#

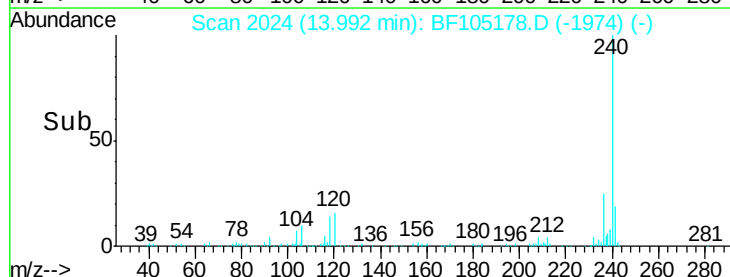
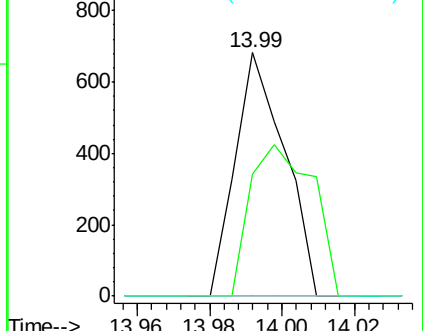
279 0.0 3.0 4.4#

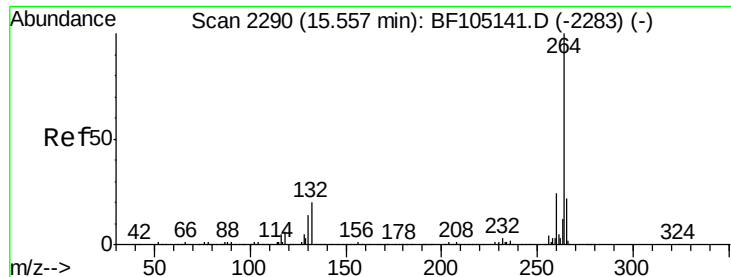


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

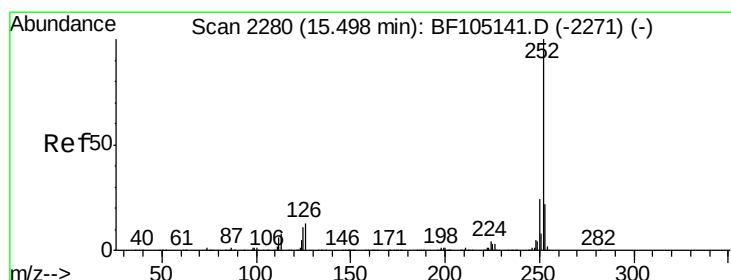
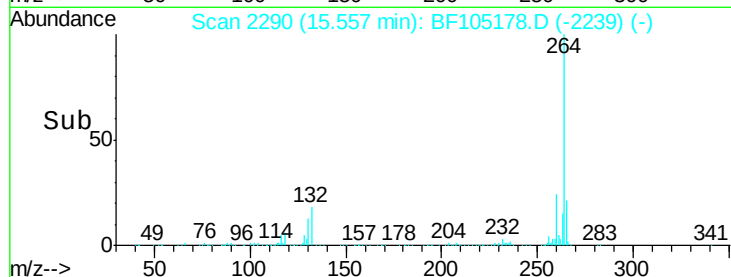
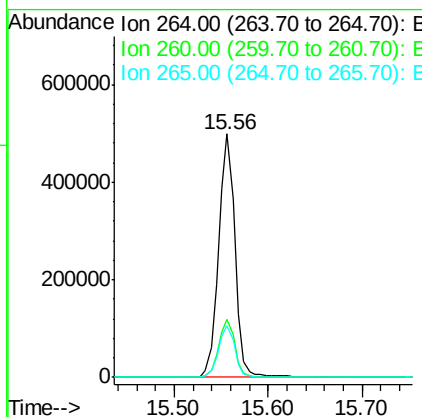
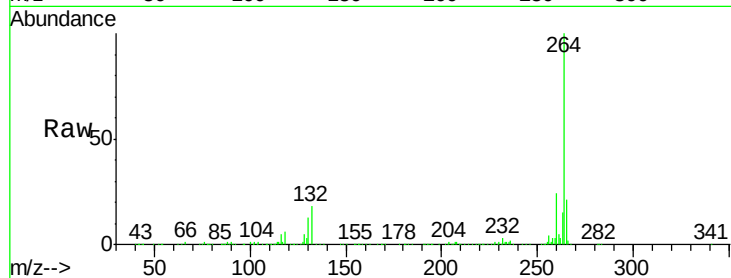




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 610255
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.2 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.060 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.06 min
Lab File: BF105178.D
Acq: 9 May 2018 6:56

Tgt Ion:252 Resp: 2044
Ion Ratio Lower Upper
252 100
253 31.9 17.1 25.7#
125 0.0 9.8 14.6#

