

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031518\
 Data File : BF103676.D
 Acq On : 15 Mar 2018 18:55
 Operator : JU/SJ
 Sample : J1888-03DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 04:27:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	160745	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	668510	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	314512	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	563838	20.00	ng	0.00
75) Chrysene-d12	14.14	240	481941	20.00	ng	0.00
86) Perylene-d12	15.67	264	459059	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	303031	28.67	ng	0.00
7) Phenol-d6	6.57	99	374547	28.97	ng	-0.02
23) Nitrobenzene-d5	7.52	82	190594	19.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	83338	30.82	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	438345	22.23	ng	0.00
78) Terphenyl-d14	13.08	244	497706	23.97	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.73	93	232	0.013	ng	# 1
9) Benzaldehyde	6.57	77	614	0.072	ng	# 1
10) Phenol	6.73	94	567	0.041	ng	# 1
11) bis(2-Chloroethyl)ether	6.73	93	232	0.020	ng	# 1
12) 1,3-Dichlorobenzene	6.98	146	174435	13.834	ng	95
13) 1,4-Dichlorobenzene	6.98	146	174435	13.767	ng	98
14) 1,2-Dichlorobenzene	7.13	146	206242	17.541	ng	98
15) Benzyl Alcohol	7.12	79	4386	0.438	ng	# 38
17) 2-Methylphenol	7.13	107	1355	0.137	ng	# 74
18) Hexachloroethane	7.48	117	67546	15.155	ng	96
19) n-Nitroso-di-n-propylamine	7.52	70	24926	3.008	ng	# 80
20) 3+4-Methylphenols	7.13	107	1355	0.108	ng	# 77
24) Nitrobenzene	7.52	77	676	0.060	ng	# 32
25) Isophorone	7.52	82	190594	8.589	ng	# 64
31) Naphthalene	8.27	128	622215	18.425	ng	100
32) Benzoic acid	8.27	122	1221	10.050	ng	# 1
33) 4-Chloroaniline	8.27	127	82124	5.797	ng	# 33
35) Caprolactam	8.96	113	11689	3.925	ng	# 1
37) 2-Methylnaphthalene	8.96	142	533540	24.914	ng	99
45) 1,1'-Biphenyl	9.42	154	1081	0.041	ng	86
46) 2-Chloronaphthalene	9.72	162	2545	0.122	ng	# 1
47) 2-Nitroaniline	9.72	65	3406	7.351	ng	# 1
48) Acenaphthylene	9.87	152	1085260	33.599	ng	100
49) Dimethylphthalate	9.72	163	358405	14.936	ng	99
50) 2,6-Dinitrotoluene	9.78	165	106088	24.942	ng	# 78
51) Acenaphthene	10.04	154	413334	21.551	ng	100
52) 3-Nitroaniline	10.04	138	351	3.872	ng	# 2
54) Dibenzofuran	10.21	168	422852	15.437	ng	97
55) 4-Nitrophenol	10.21	139	165840	40.374	ng	# 10
56) 2,4-Dinitrotoluene	10.18	165	73415	17.082	ng	# 86
57) Fluorene	10.55	166	216221	10.172	ng	99
59) Diethylphthalate	10.42	149	532671	22.366	ng	99
60) 4-Chlorophenyl-phenylether	10.55	204	212187	21.843	ng	98
61) 4-Nitroaniline	10.55	138	3461	4.345	ng	# 35

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

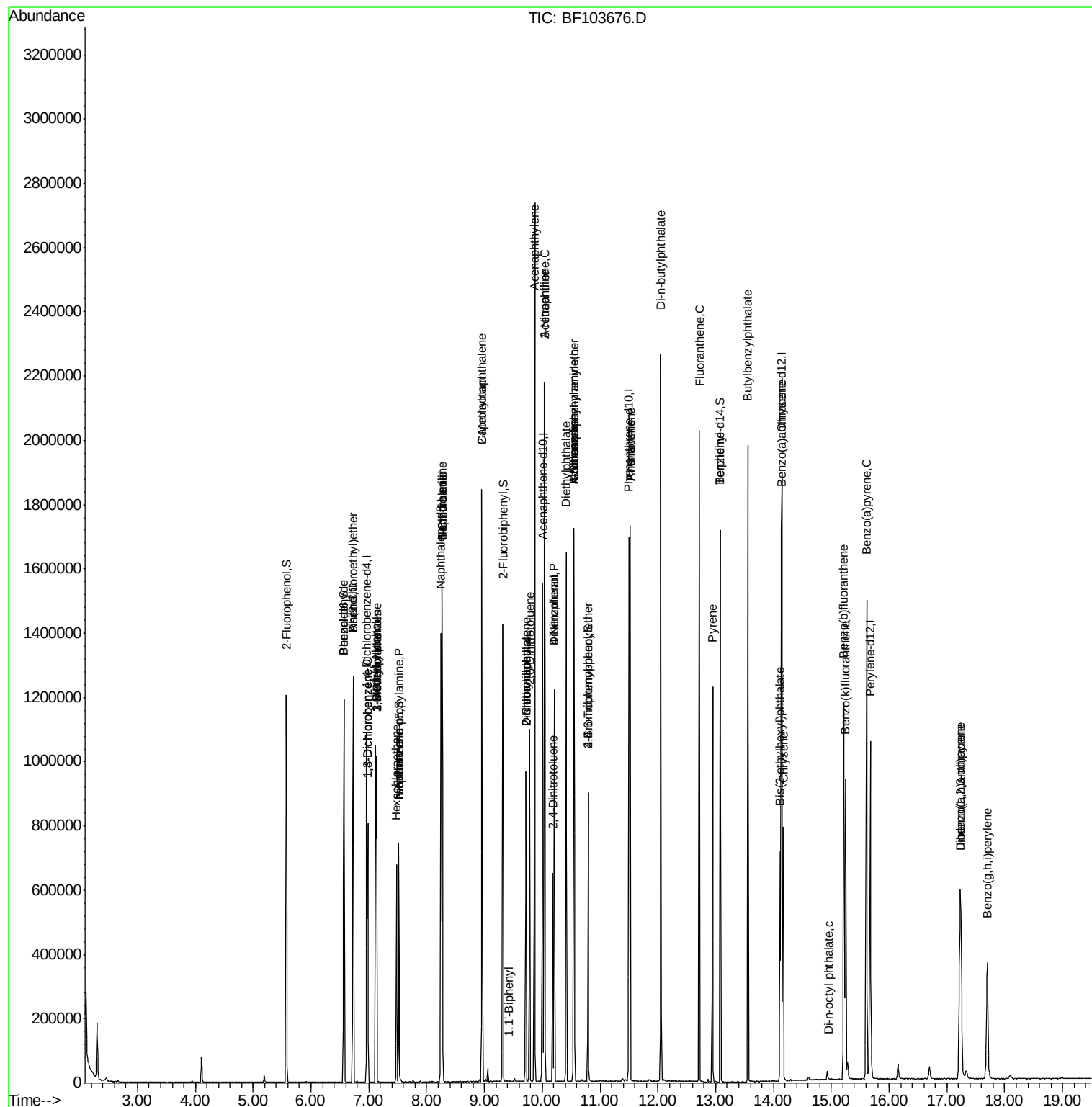
62) Azobenzene	10.55	77	106618	4.403	nq	# 50
65) n-Nitrosodiphenylamine	10.55	169	24255	1.264	nq	94
66) 4-Bromophenyl-phenylether	10.79	248	5226	0.903	nq	# 1
70) Phenanthrene	11.52	178	543860	17.633	nq	99
71) Anthracene	11.52	178	543860	17.361	nq	99
73) Di-n-butylphthalate	12.05	149	1089332	29.817	nq	99
74) Fluoranthene	12.72	202	745706	23.468	nq	98
76) Benzidine	13.08	184	7058	0.343	nq	# 94
77) Pyrene	12.95	202	446641	12.619	nq	99
79) Butylbenzylphthalate	13.56	149	395952	25.250	nq	93
80) Benzo(a)anthracene	14.13	228	495018	16.227	nq	100
82) Chrysene	14.17	228	242546	8.340	nq	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	196910	8.790	nq	99
84) Di-n-octyl phthalate	14.95	149	638	0.020	nq	# 44
85) Indeno(1,2,3-cd)pyrene	17.23	276	441832	17.398	nq	95
87) Benzo(b)fluoranthene	15.22	252	539399	18.599	nq	98
88) Benzo(k)fluoranthene	15.24	252	379169	13.601	nq	100
89) Benzo(a)pyrene	15.61	252	737894	28.051	nq	99
90) Dibenzo(a,h)anthracene	17.24	278	267698	11.753	nq	98
91) Benzo(g,h,i)perylene	17.70	276	302449	13.649	nq	97

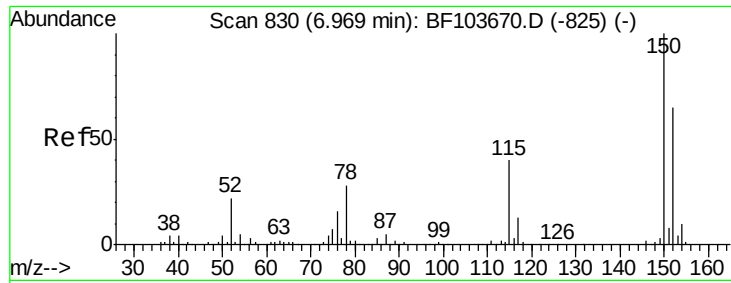
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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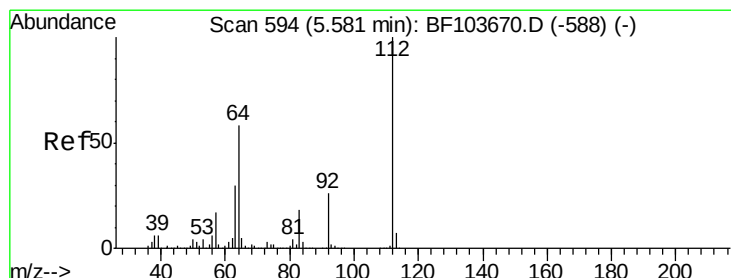
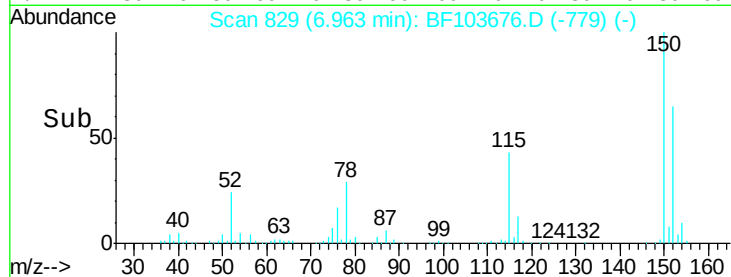
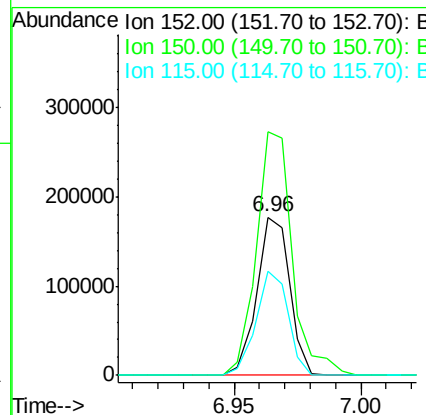
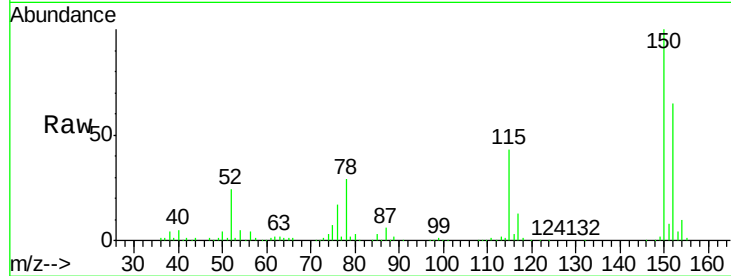


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

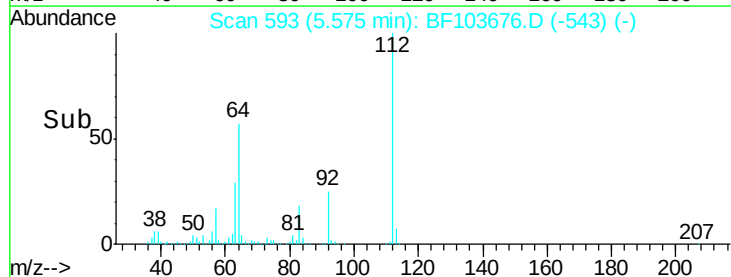
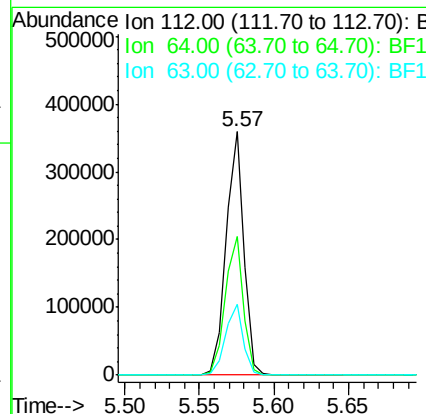
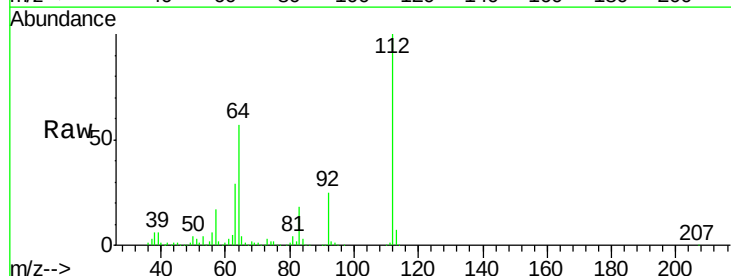
Tot Ion:152 Resp: 160745
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 65.6 50.1 75.1

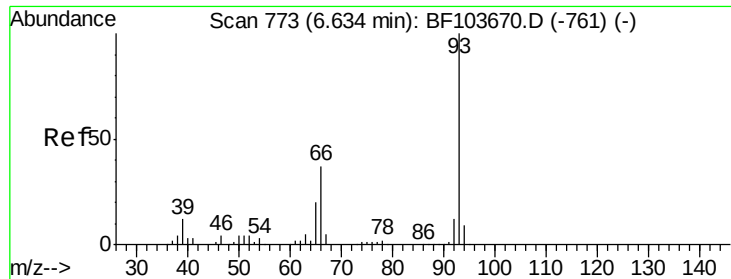


#5

2-Fluorophenol
Concen: 28.673 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:112 Resp: 303031
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 28.8 23.7 35.5





#6

Aniline

Concen: 0.013 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.09 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampled :

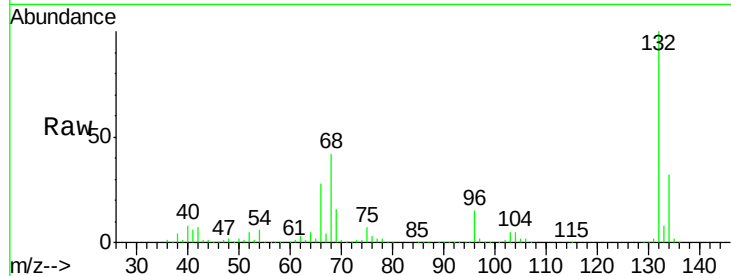
Tot Ion: 93 Resp: 232

Ion Ratio Lower Upper

93 100

66 15402.1 32.2 48.2#

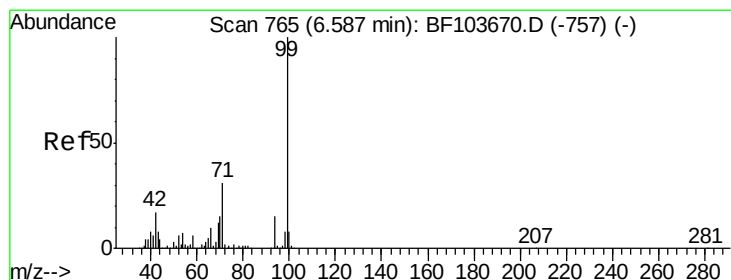
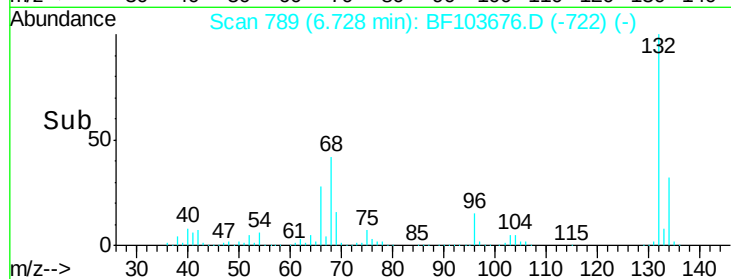
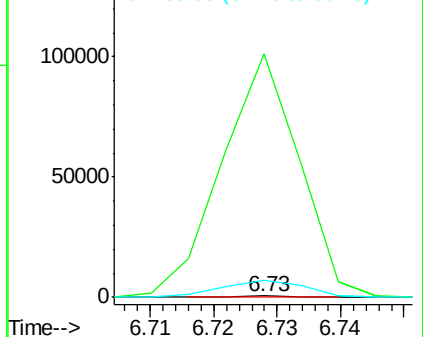
65 1078.4 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 28.968 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

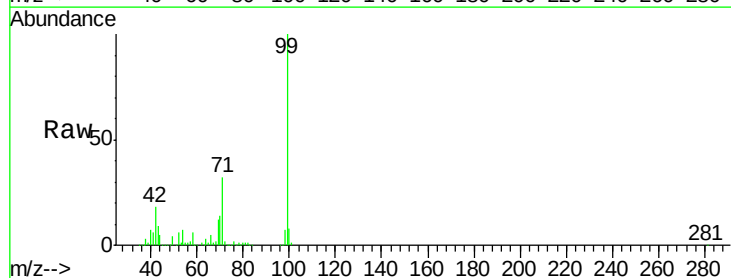
Tgt Ion: 99 Resp: 374547

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

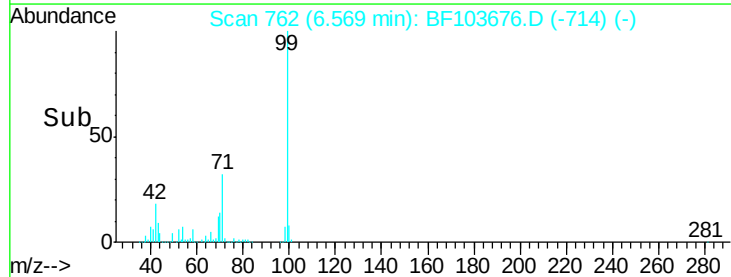
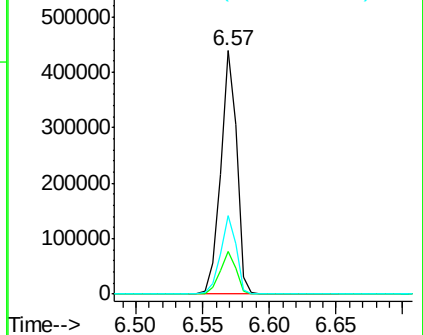
71 32.1 25.4 38.0

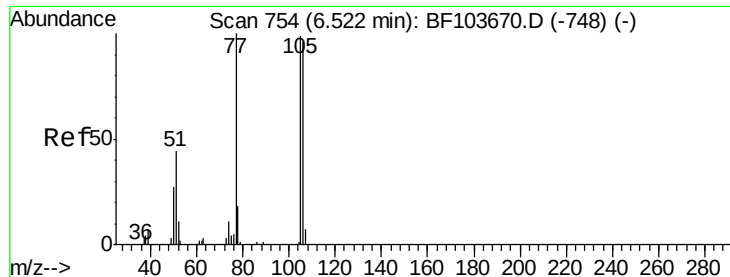


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 0.072 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.05 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampled :

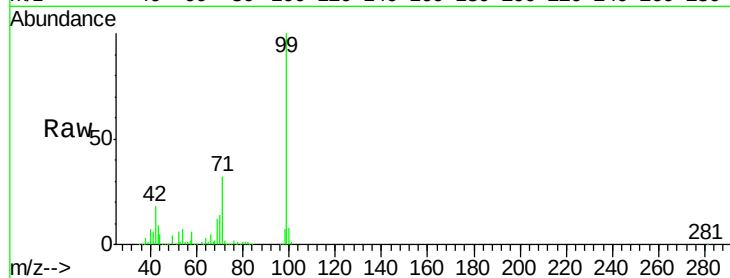
Tot Ion: 77 Resp: 614

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

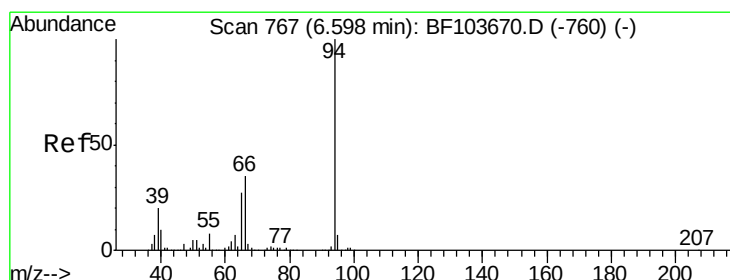
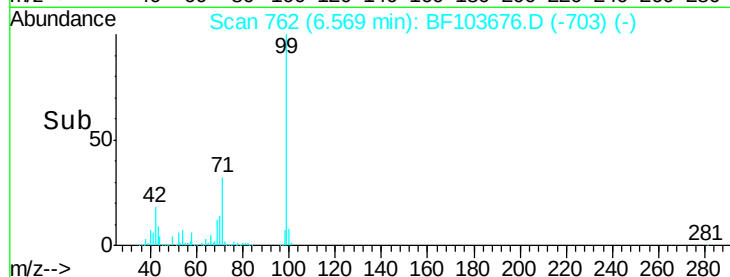
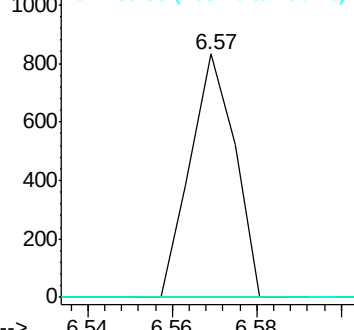
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.041 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.13 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

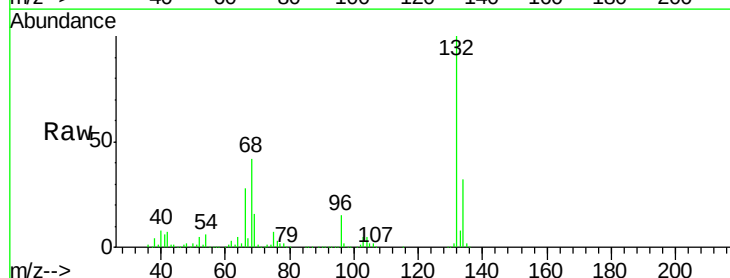
Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

65 945.9 7.9 47.9#

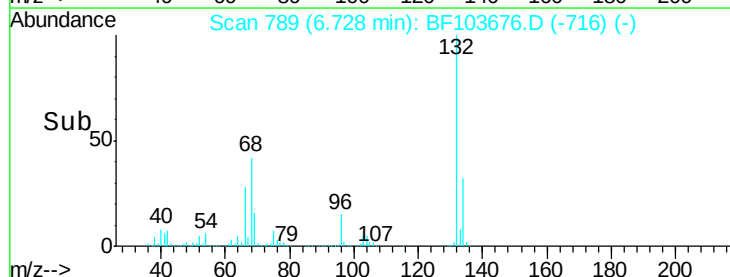
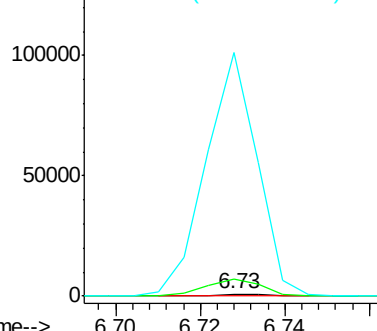
66 13510.3 16.2 56.2#

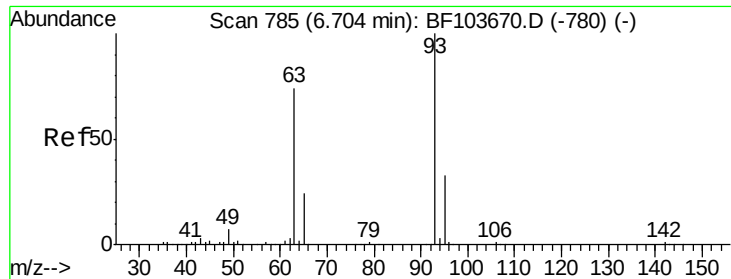


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

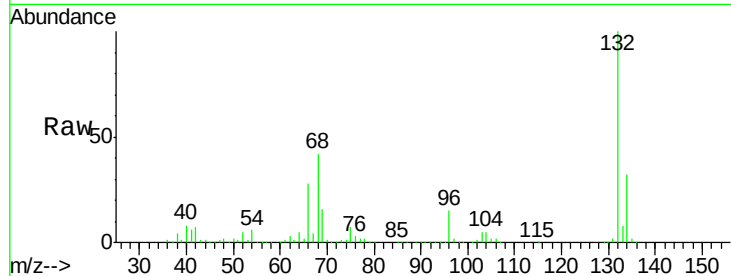




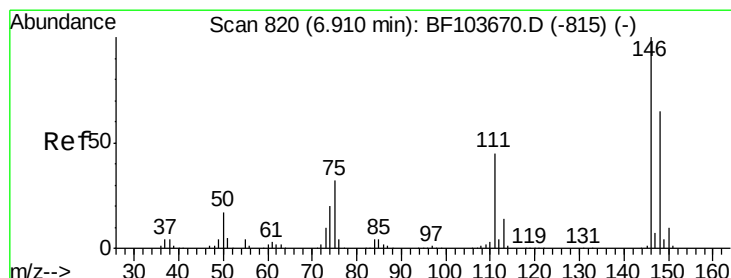
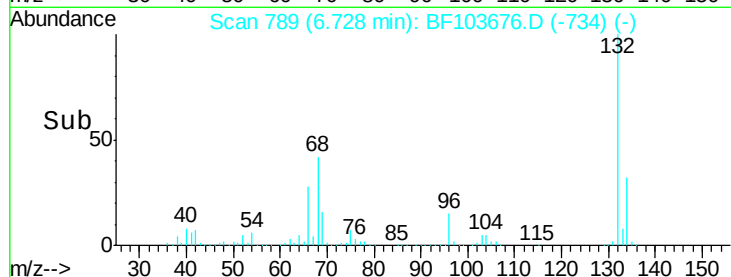
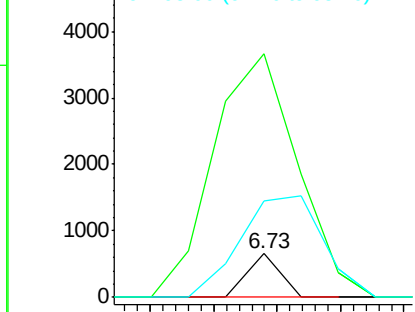
#11
bis(2-Chloroethyl)ether
Concen: 0.020 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.02 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion: 93 Resp: 232
Ion Ratio Lower Upper
93 100
63 557.4 58.6 98.6#
95 221.0 11.8 51.8#

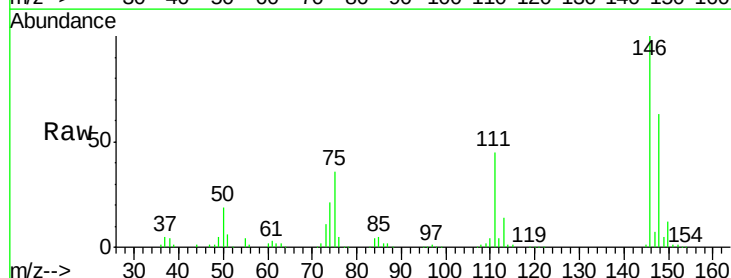


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

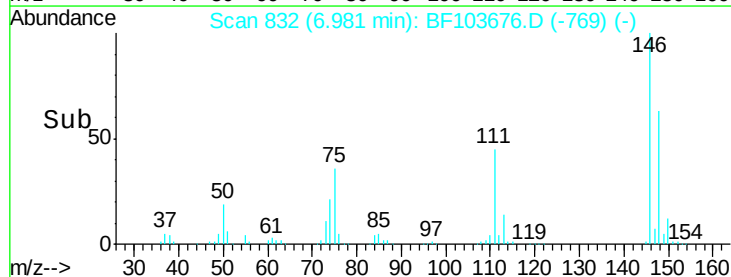
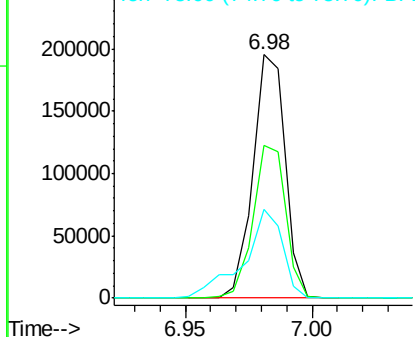


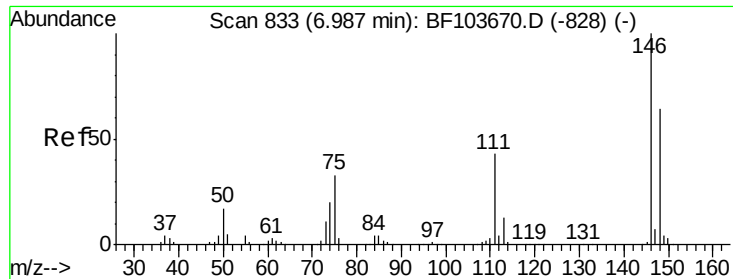
#12
1,3-Dichlorobenzene
Concen: 13.834 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.07 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:146 Resp: 174435
Ion Ratio Lower Upper
146 100
148 62.8 51.8 77.8
75 36.4 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: 13.767 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

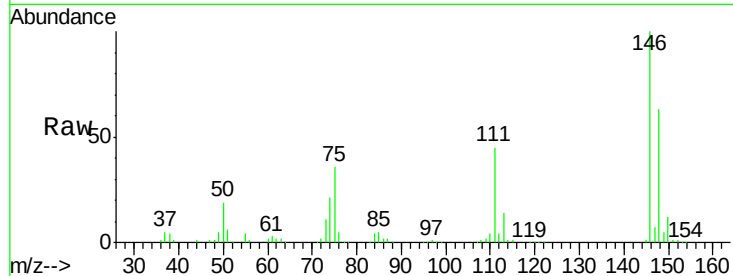
Tot Ion:146 Resp: 174435

Ion Ratio Lower Upper

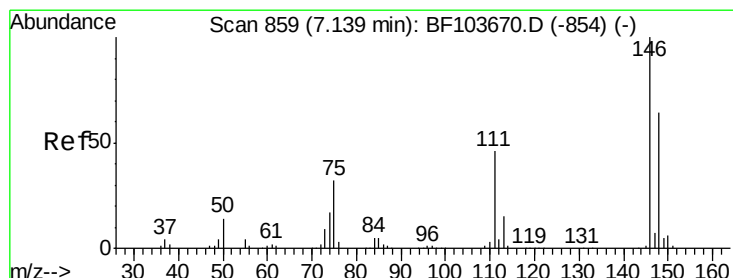
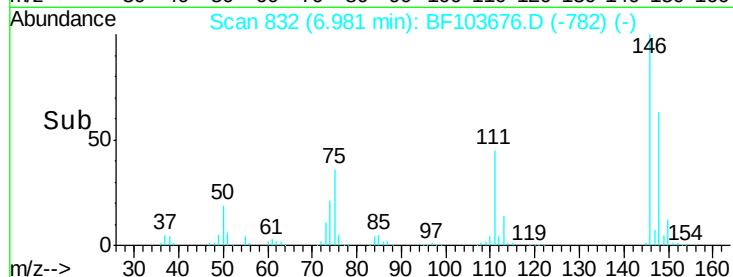
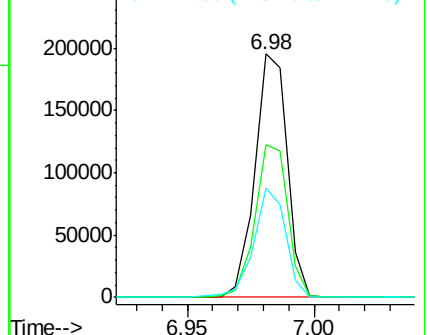
146 100

148 62.8 50.8 76.2

111 44.6 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: 17.541 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

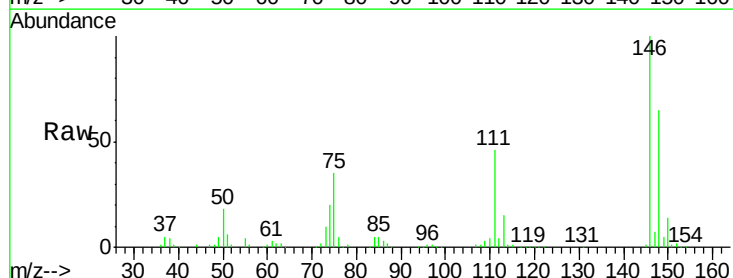
Tgt Ion:146 Resp: 206242

Ion Ratio Lower Upper

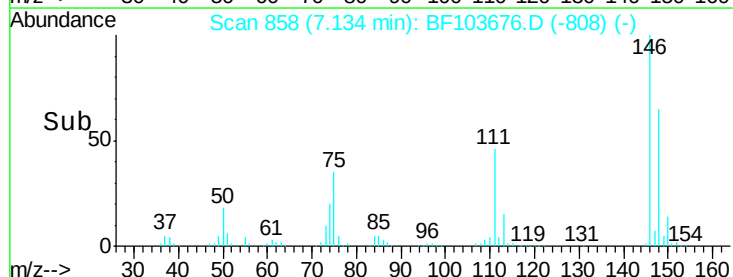
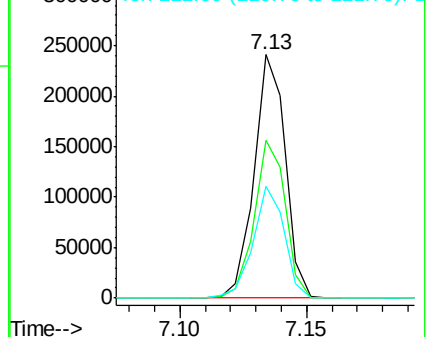
146 100

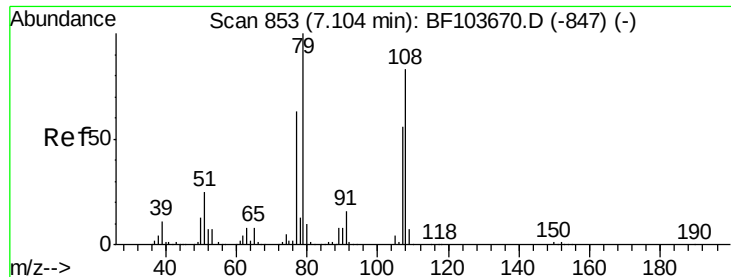
148 64.7 50.6 75.8

111 45.9 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: 0.438 ng

RT: 7.12 min Scan# 856

Delta R.T. 0.02 min

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ClientSampleId :

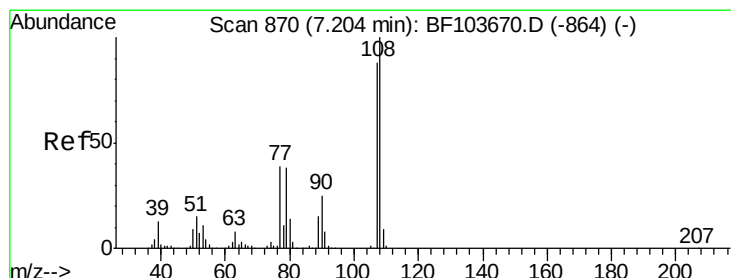
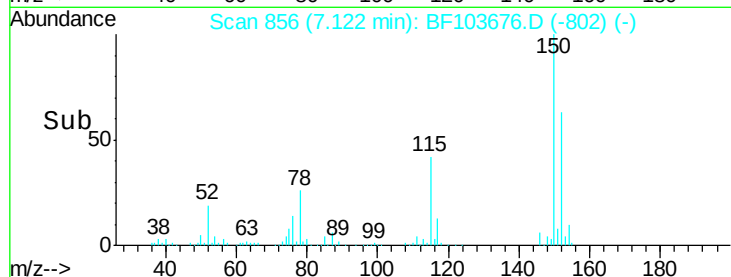
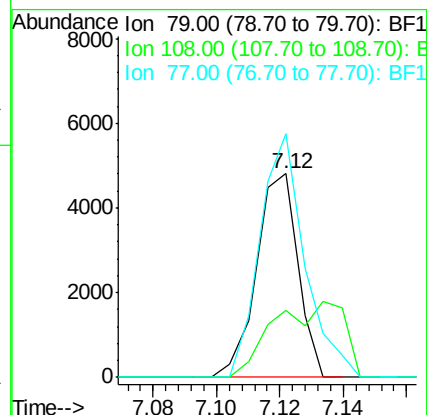
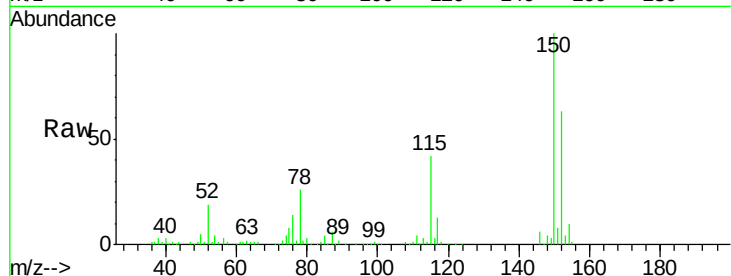
Tot Ion: 79 Resp: 4386

Ion Ratio Lower Upper

79 100

108 32.7 65.1 97.7#

77 119.6 50.6 75.8#



#17

2-Methylphenol

Concen: 0.137 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.07 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Tgt Ion: 107 Resp: 1355

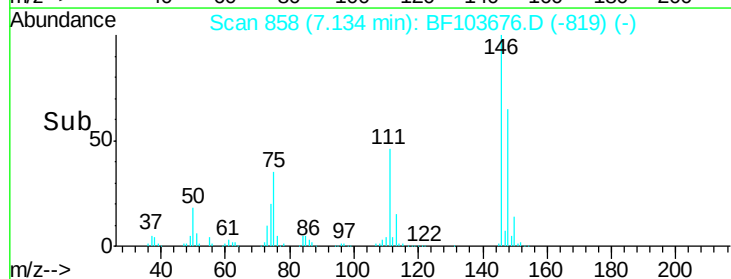
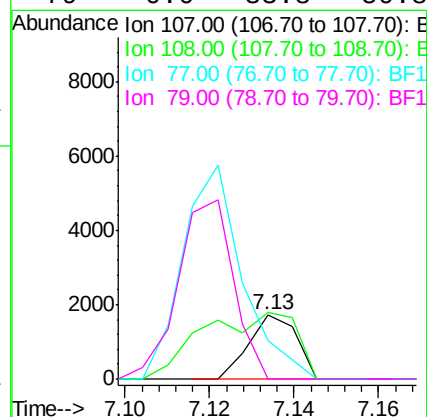
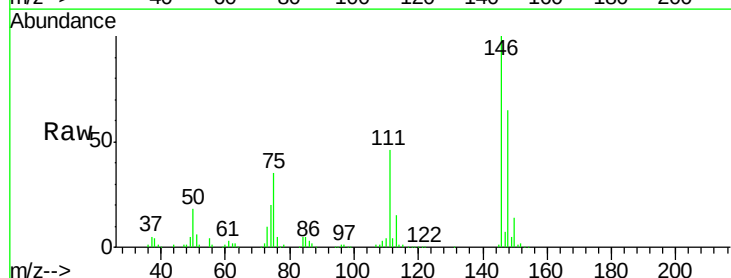
Ion Ratio Lower Upper

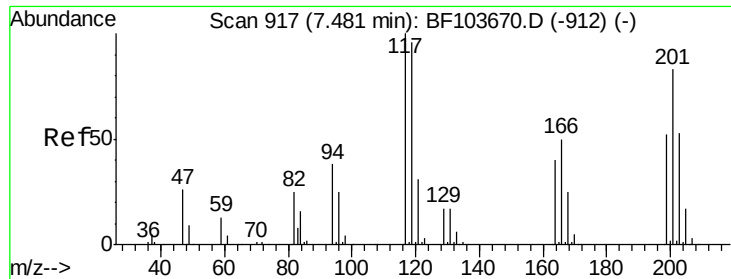
107 100

108 103.2 91.7 137.5

77 60.0 33.8 50.8#

79 0.0 33.8 50.8#

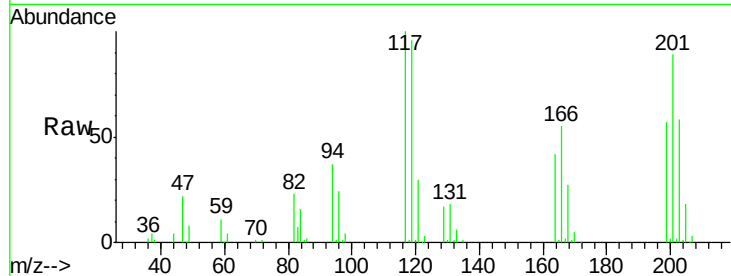




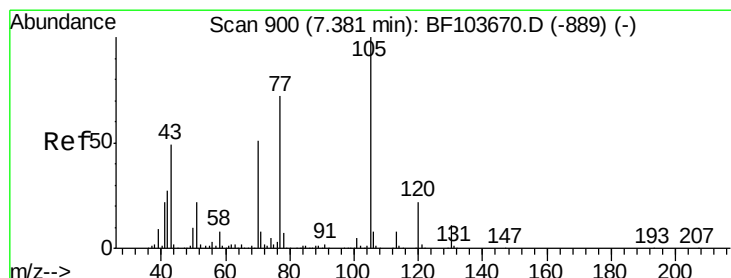
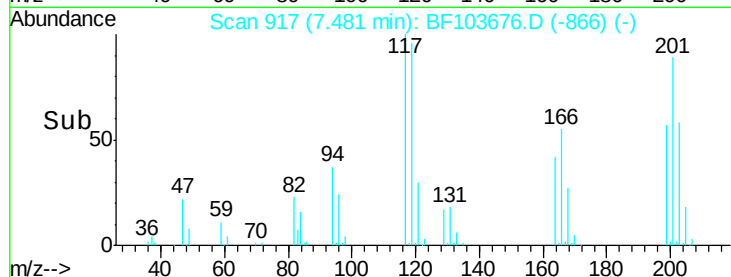
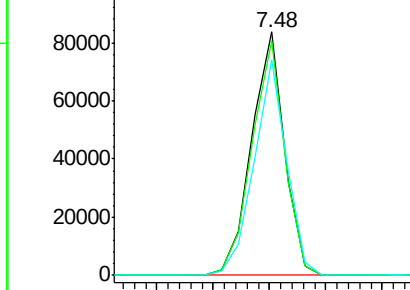
#18
Hexachloroethane
Concen: 15.155 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 67546
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
201 88.8 75.7 113.5

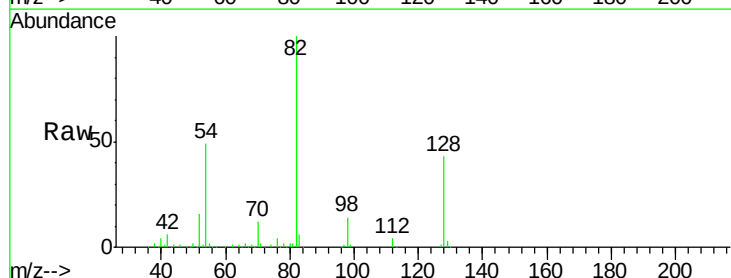


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

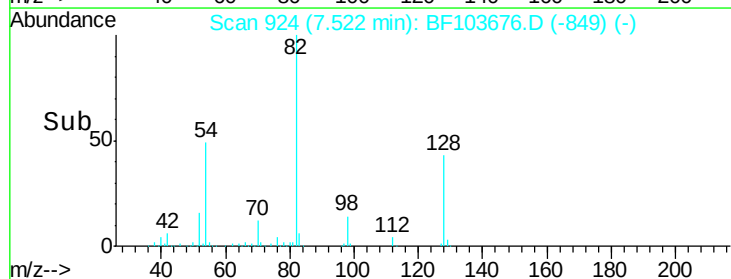
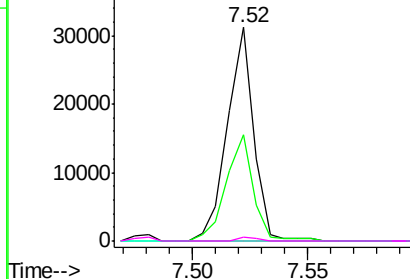


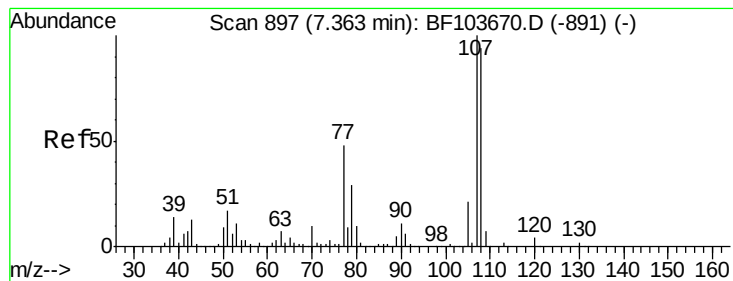
#19
n-Nitroso-di-n-propylamine
Concen: 3.008 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.14 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion: 70 Resp: 24926
Ion Ratio Lower Upper
70 100
42 49.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 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: 0.108 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.23 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 1355

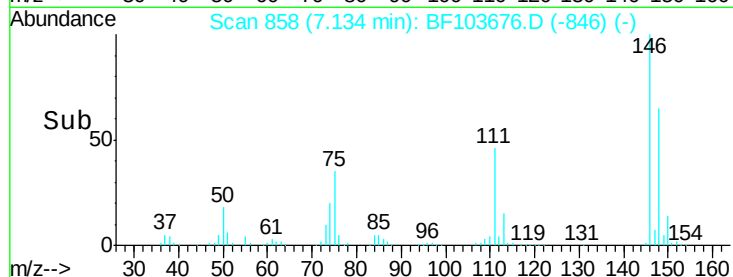
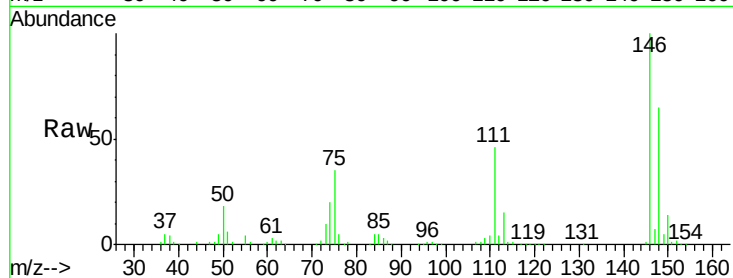
Ion Ratio Lower Upper

107 100

108 103.2 68.2 108.2

77 60.0 26.7 66.7

79 0.0 6.3 46.3#

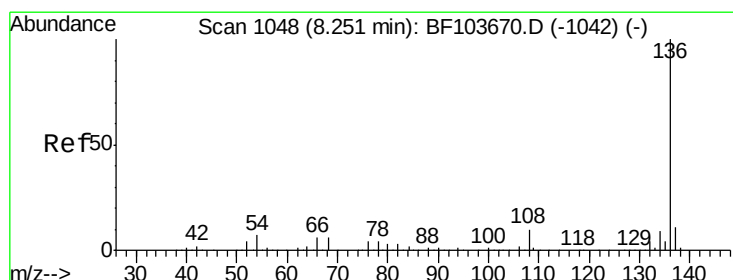
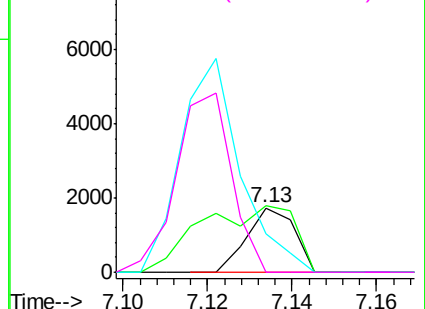


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Tgt Ion:136 Resp: 668510

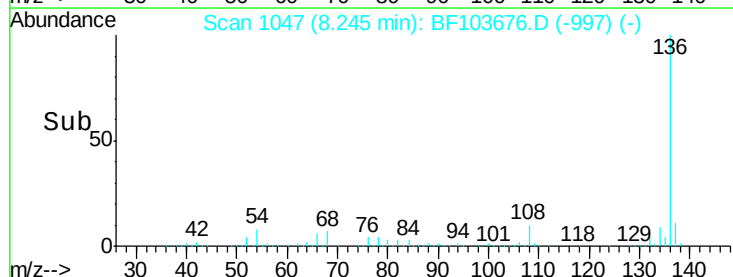
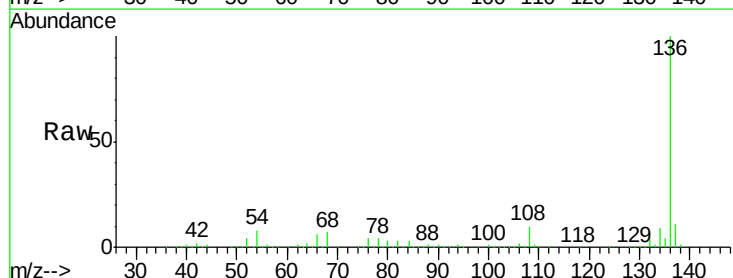
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.0 6.6 9.8

68 6.7 5.0 7.4

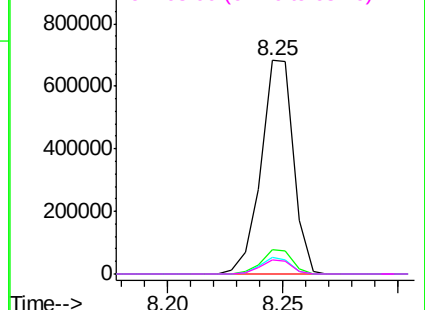


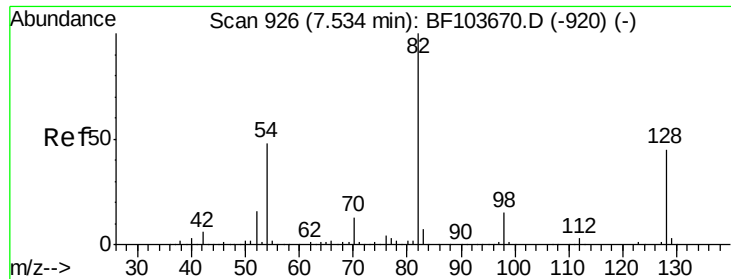
Abundance Ion 136.00 (135.70 to 136.70): E

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

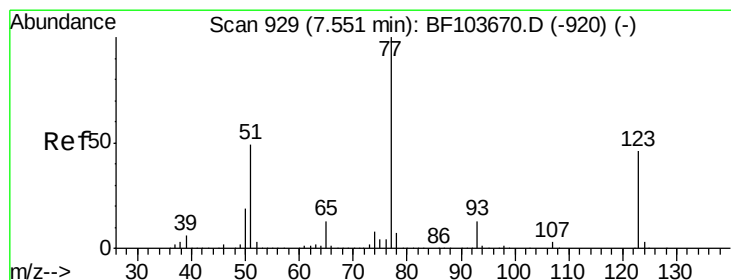
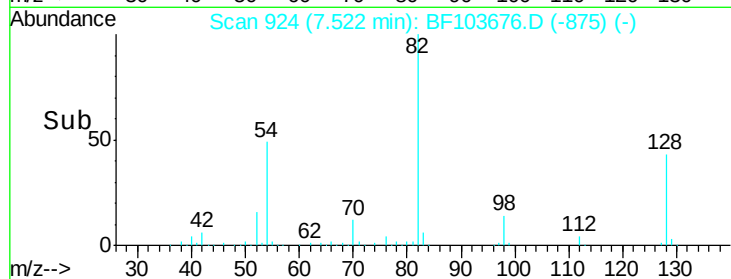
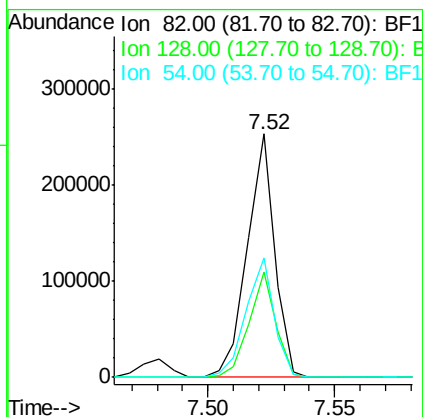
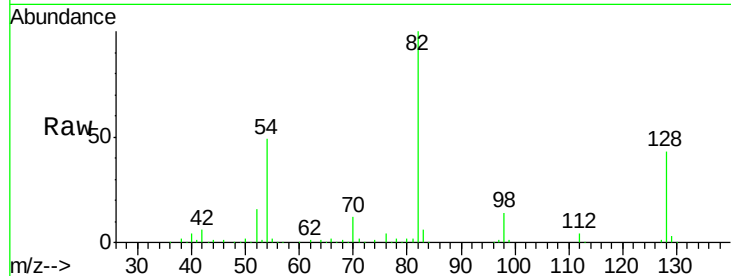




#23
Nitrobenzene-d5
Concen: 19.882 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

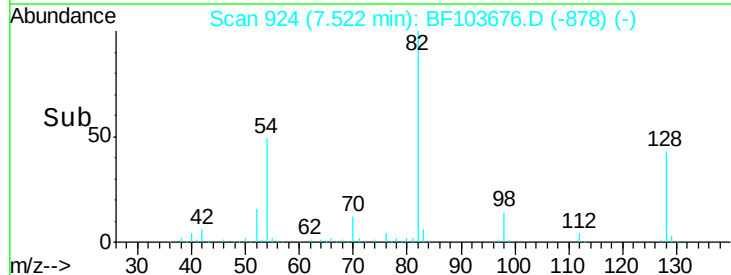
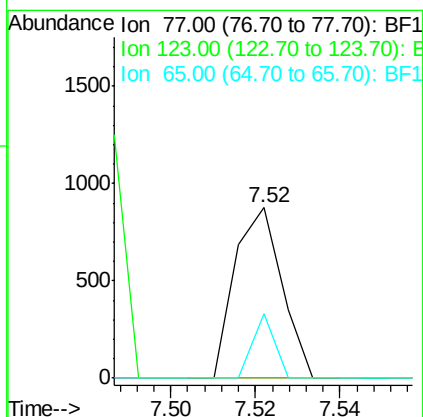
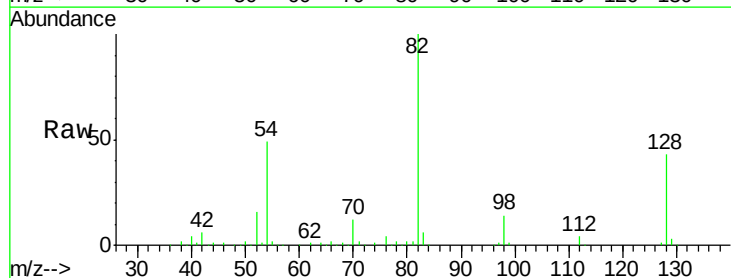
Instrument :
BNA_F
ClientSampleId :

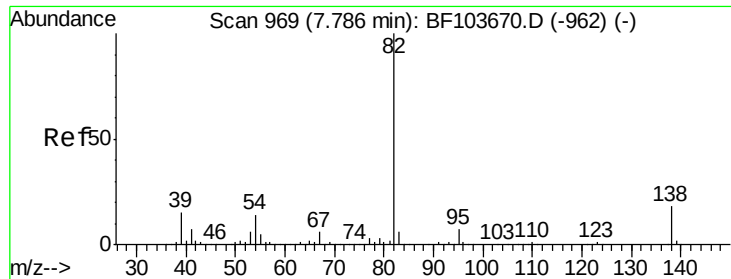
Tot Ion: 82 Resp: 190594
Ion Ratio Lower Upper
82 100
128 43.1 36.1 54.1
54 49.0 41.4 62.2



#24
Nitrobenzene
Concen: 0.060 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion: 77 Resp: 676
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 37.9 11.0 16.4#





#25

Isophorone

Concen: 8.589 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.26 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

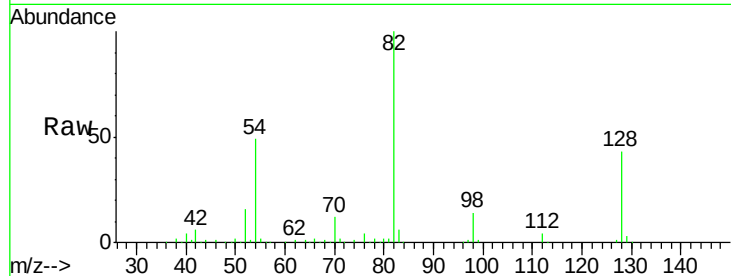
Tot Ion: 82 Resp: 190594

Ion Ratio Lower Upper

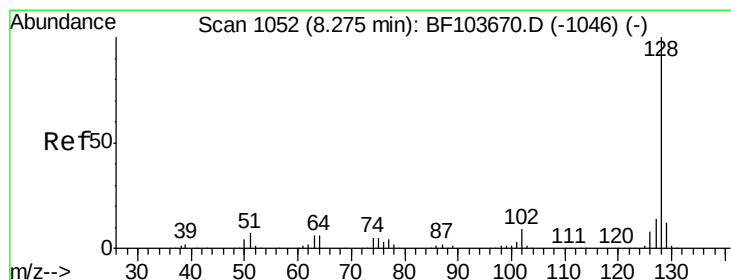
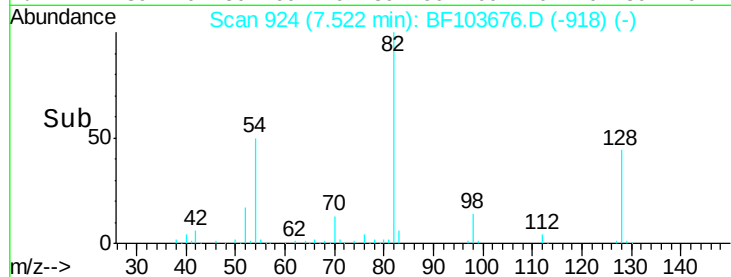
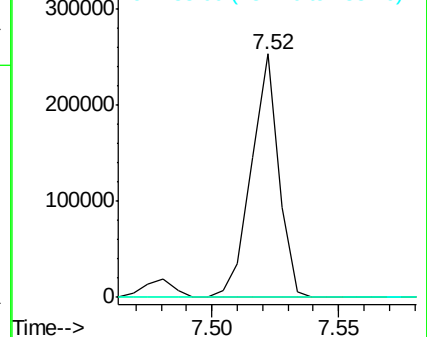
82 100

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



#31

Naphthalene

Concen: 18.425 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

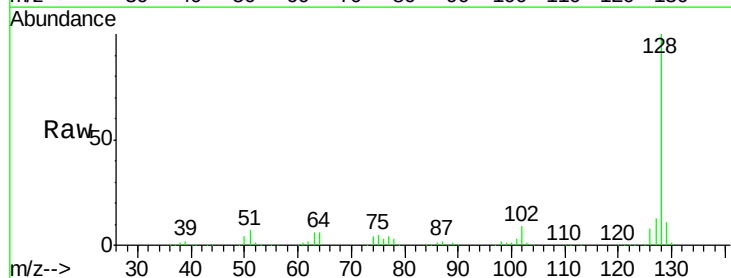
Tgt Ion: 128 Resp: 622215

Ion Ratio Lower Upper

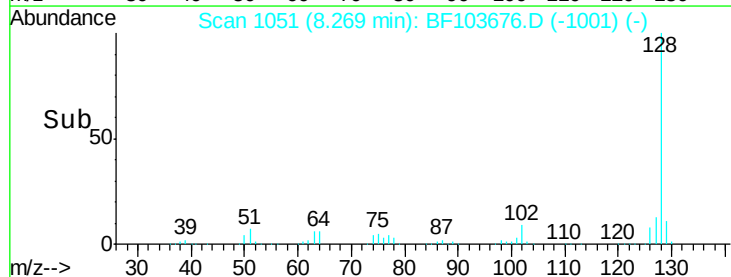
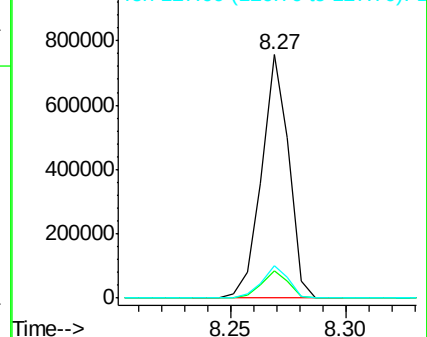
128 100

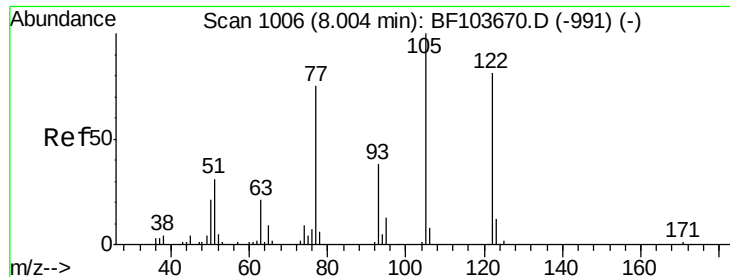
129 11.2 8.8 13.2

127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 10.050 ng

RT: 8.27 min Scan# 1051

Delta R.T. 0.26 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

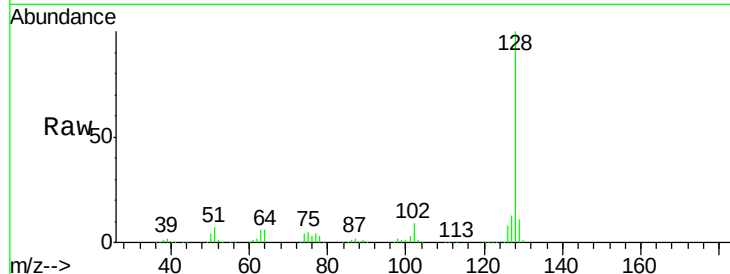
Tot Ion:122 Resp: 1221

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

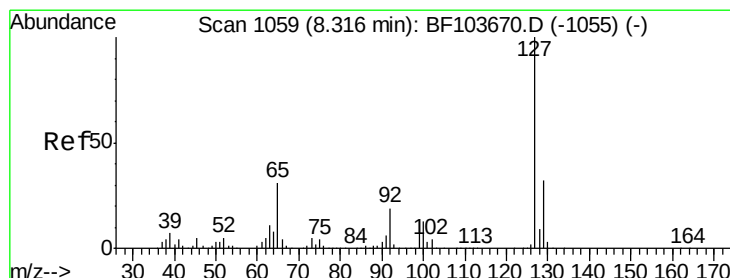
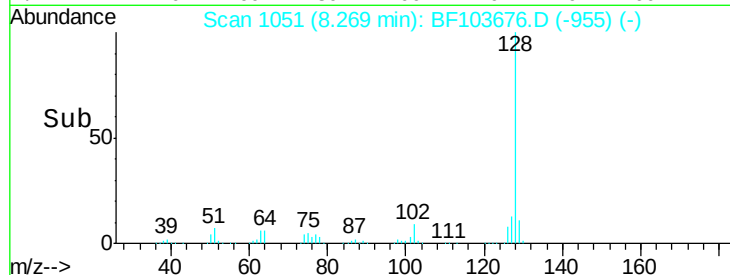
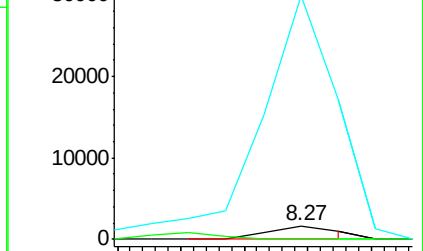
77 1836.4 70.7 110.7#



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: 5.797 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Tgt Ion:127 Resp: 82124

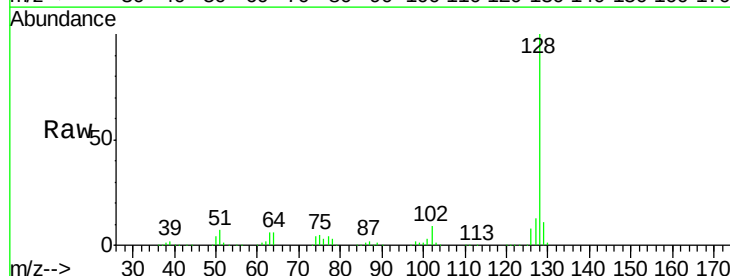
Ion Ratio Lower Upper

127 100

129 83.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

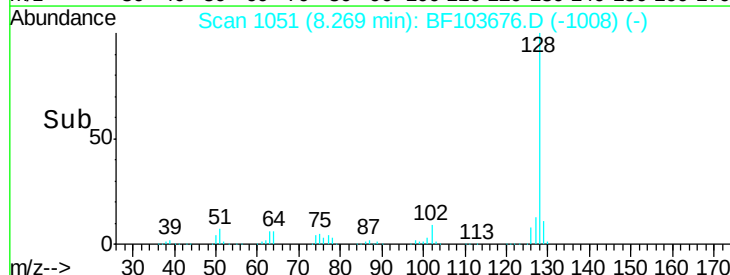
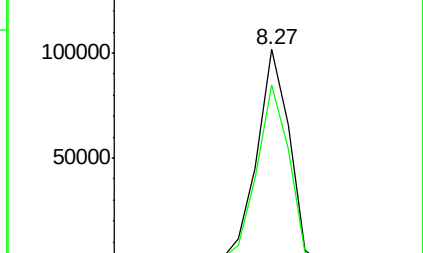


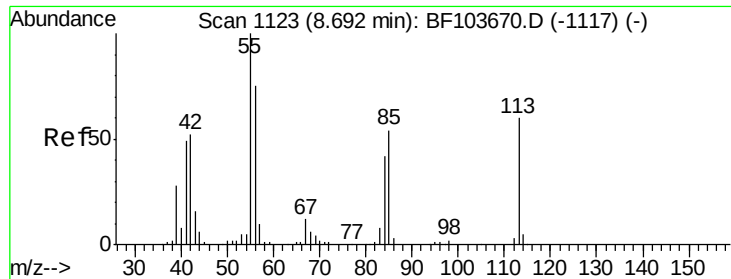
Abundance Ion 127.00 (126.70 to 127.70): E

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

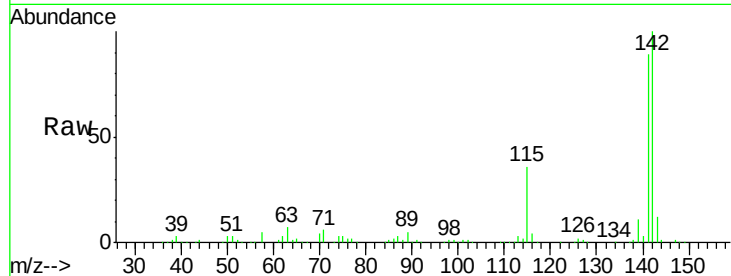




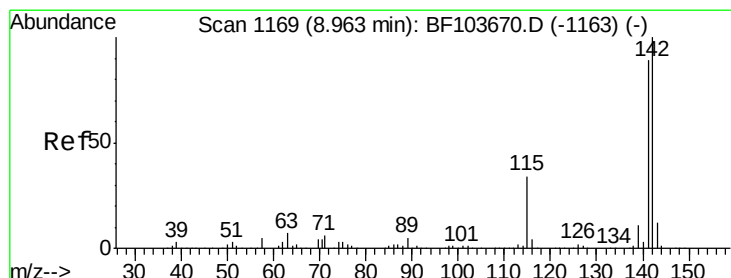
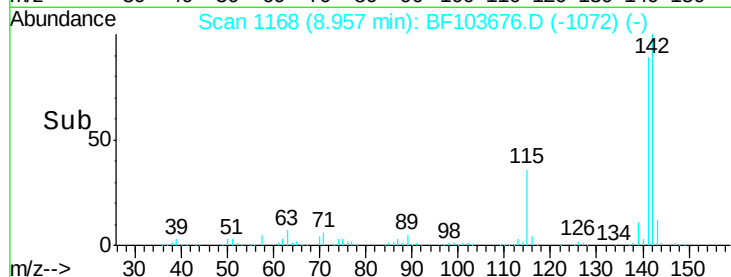
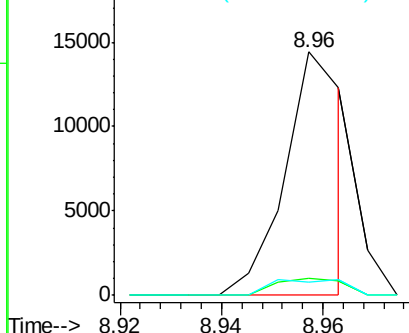
#35
Caprolactam
Concen: 3.925 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.26 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 11689
Ion Ratio Lower Upper
113 100
55 6.9 163.3 203.3#
56 5.7 115.7 155.7#

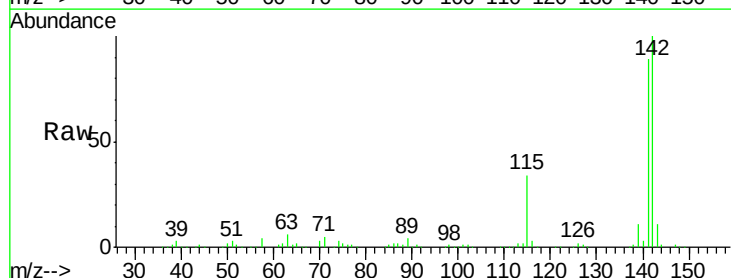


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

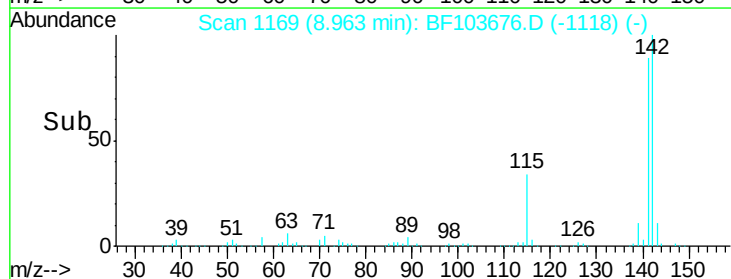
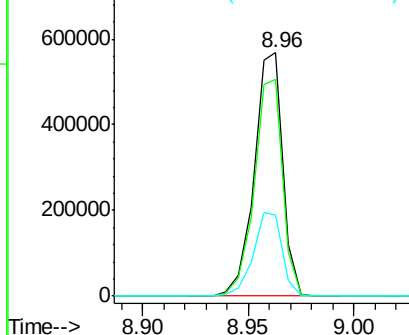


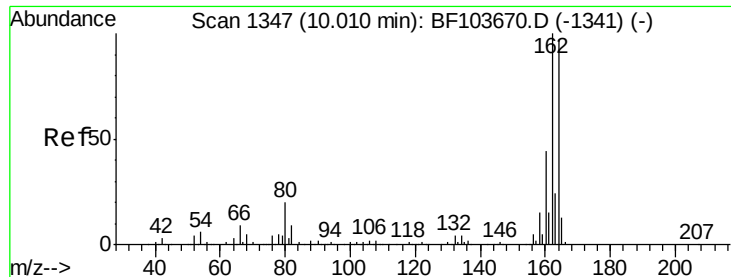
#37
2-Methylnaphthalene
Concen: 24.914 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:142 Resp: 533540
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2
115 33.5 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: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

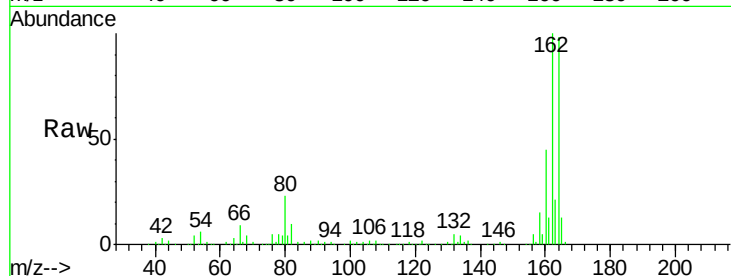
Tot Ion:164 Resp: 314512

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

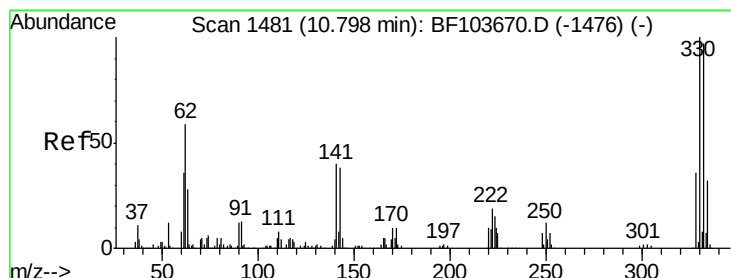
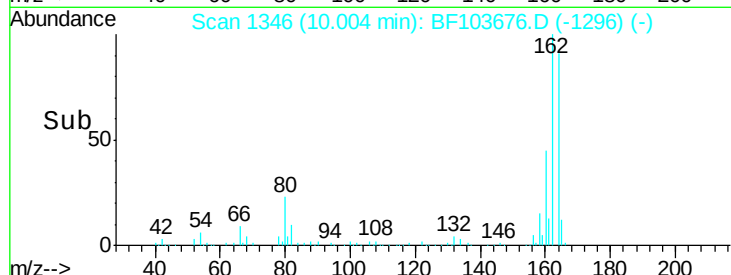
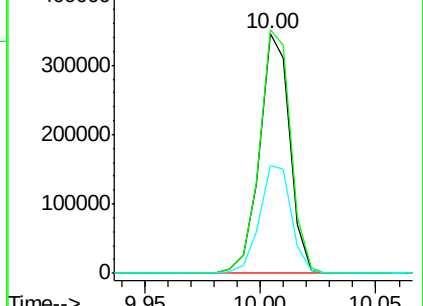
160 45.3 38.3 57.5



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: 30.818 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

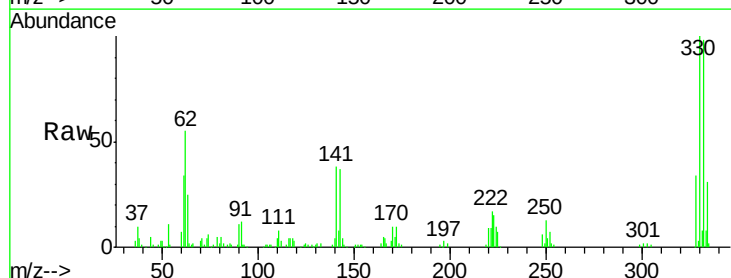
Tgt Ion:330 Resp: 83338

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

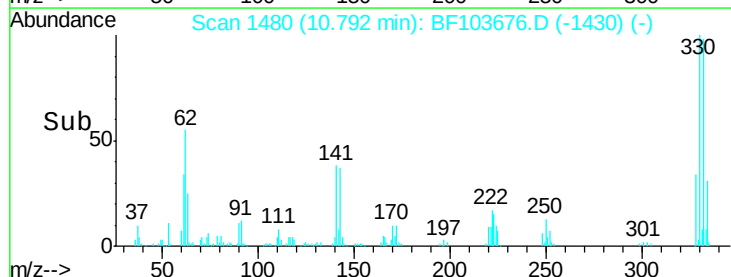
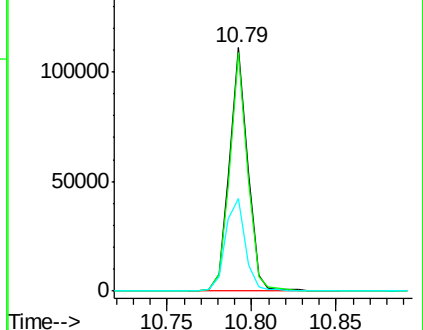
141 41.5 29.9 44.9

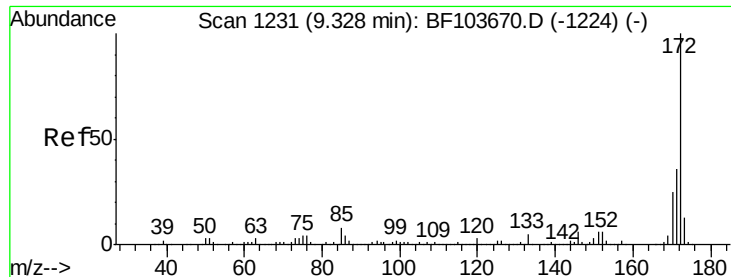


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

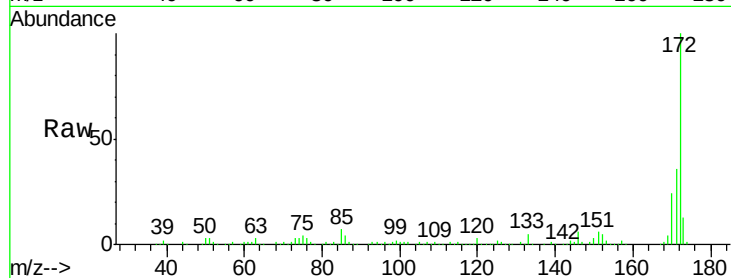




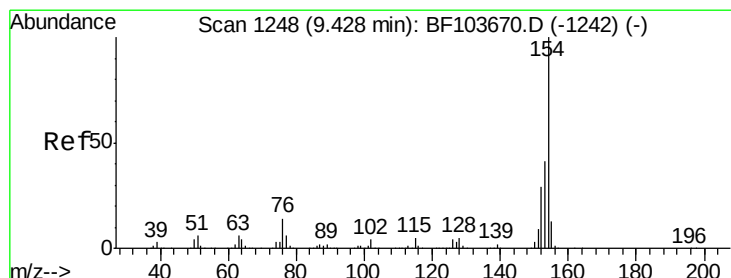
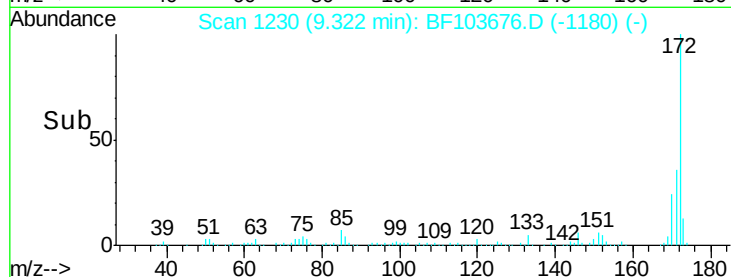
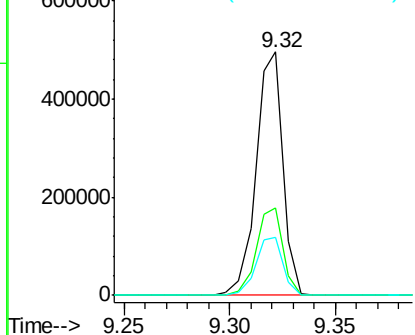
#44
2-Fluorobiphenyl
Concen: 22.232 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 438345
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.0 19.6 29.4

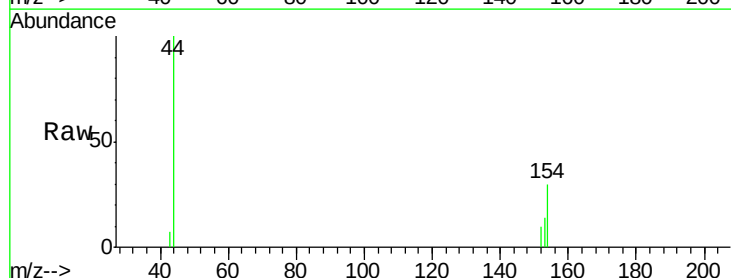


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

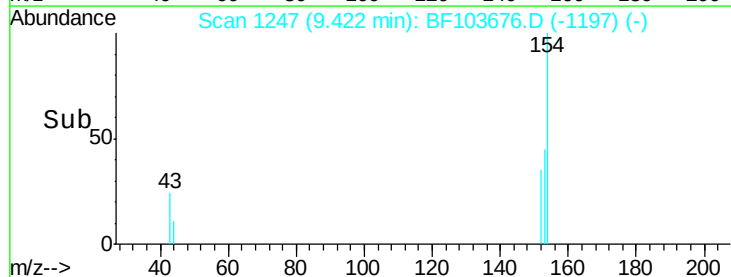
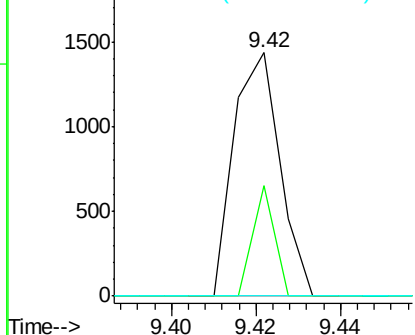


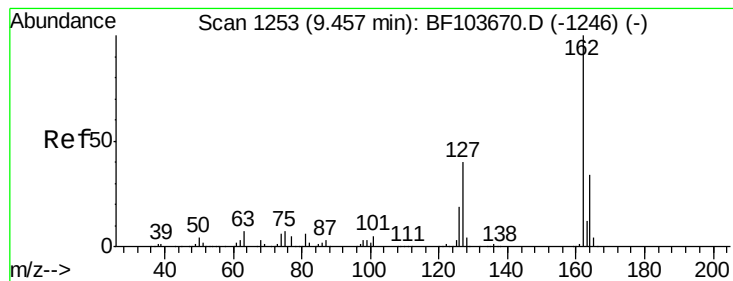
#45
1,1'-Biphenyl
Concen: 0.041 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:154 Resp: 1081
Ion Ratio Lower Upper
154 100
153 45.3 21.3 61.3
76 0.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#46

2-Chloronaphthalene

Concen: 0.122 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.26 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

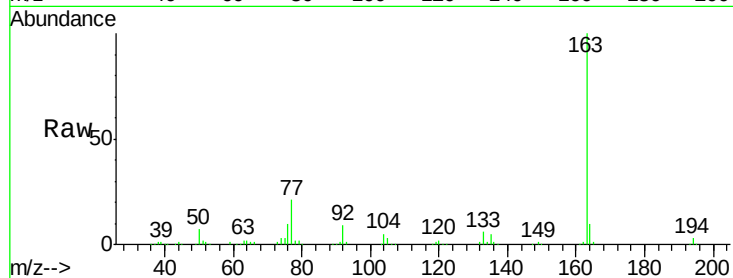
Tot Ion:162 Resp: 2545

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

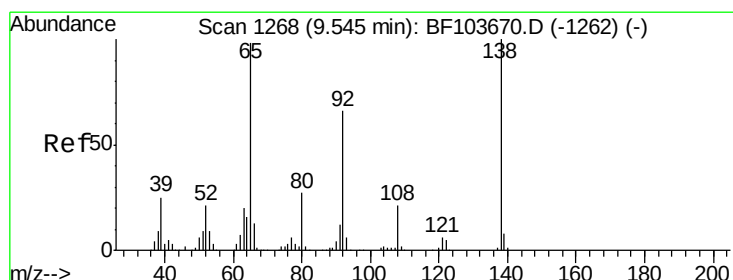
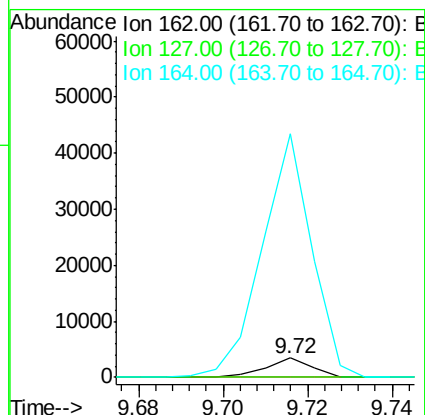
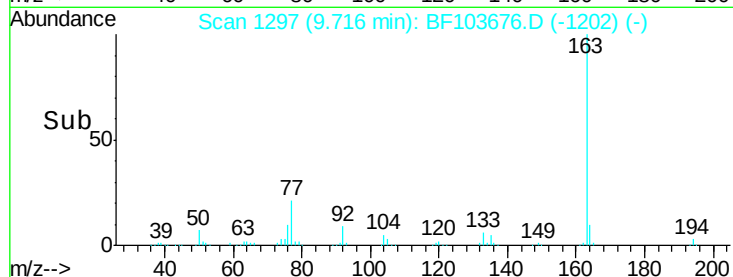
164 1257.2 26.5 39.7#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 7.351 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.17 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

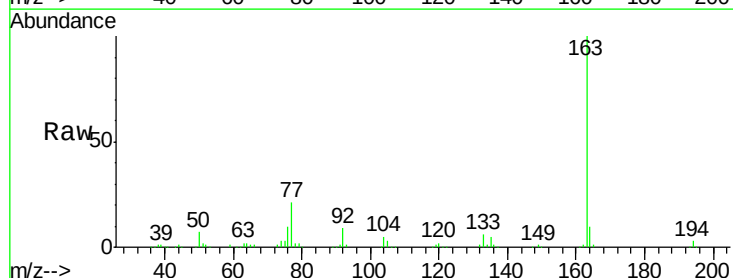
Tgt Ion: 65 Resp: 3406

Ion Ratio Lower Upper

65 100

92 996.0 55.8 83.6#

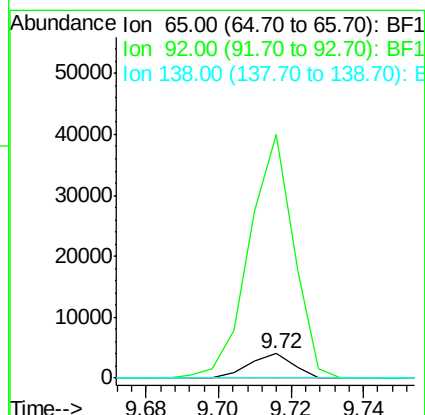
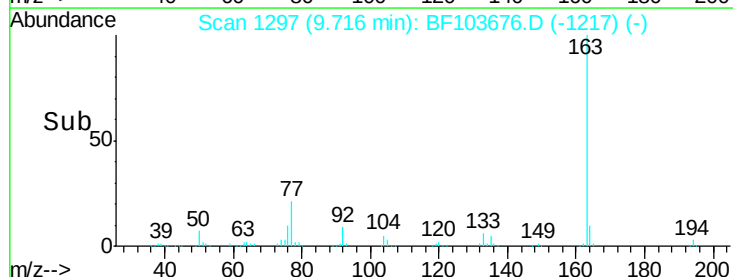
138 0.0 91.2 136.8#

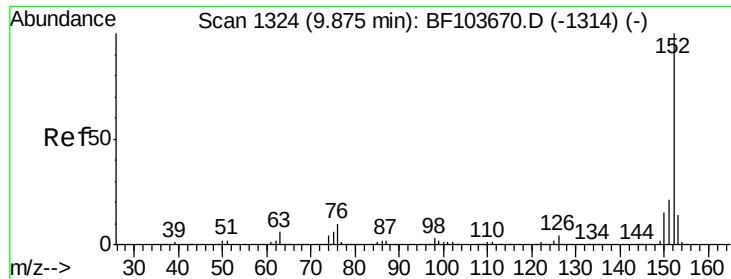


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 33.599 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

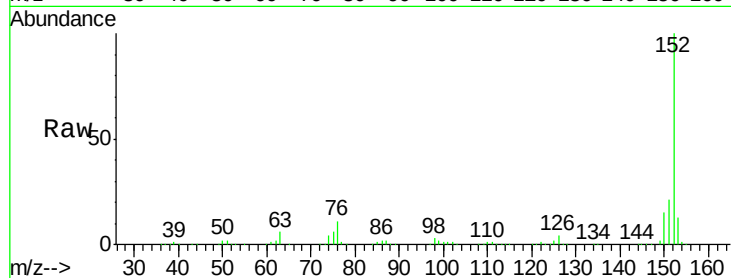
Tot Ion:152 Resp: 1085260

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

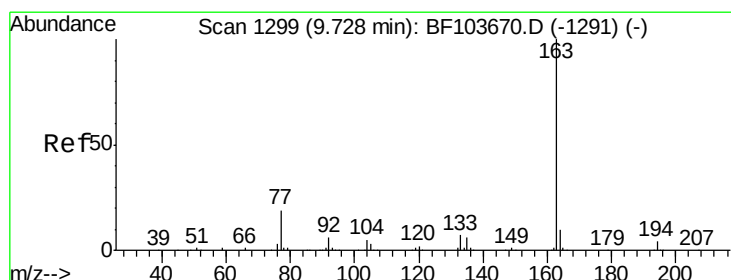
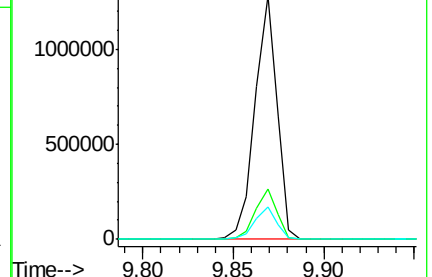
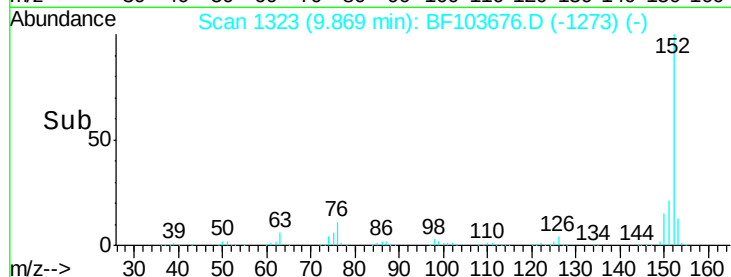
153 13.4 10.7 16.1



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



#49

Dimethylphthalate

Concen: 14.936 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

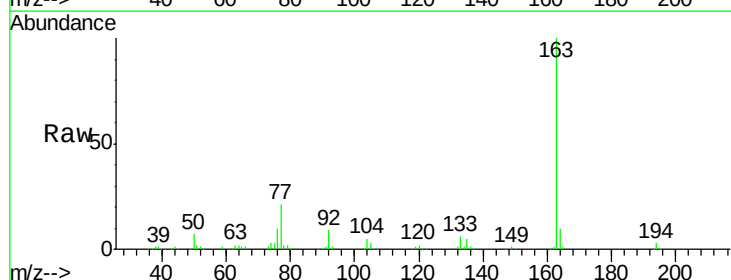
Tgt Ion:163 Resp: 358405

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

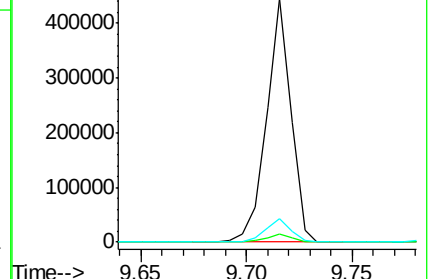
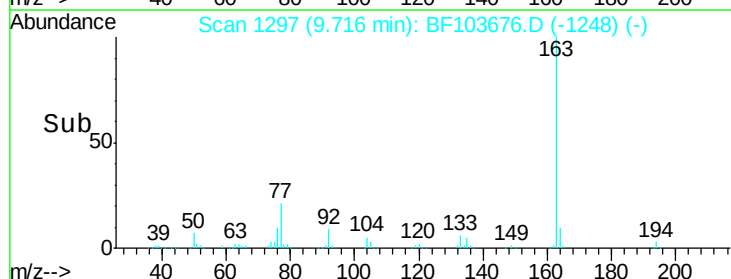
164 9.8 8.2 12.2

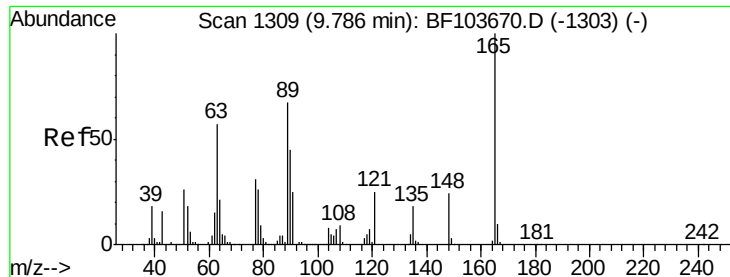


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

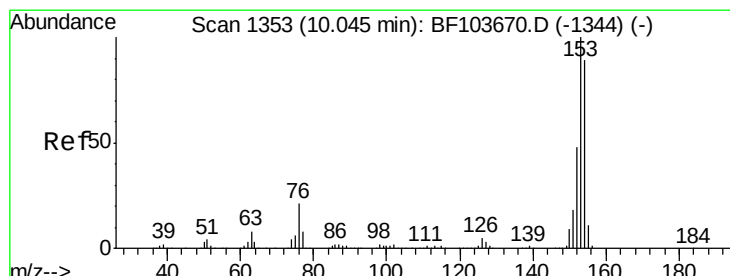
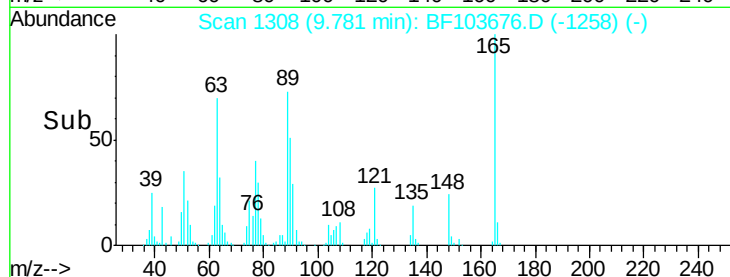
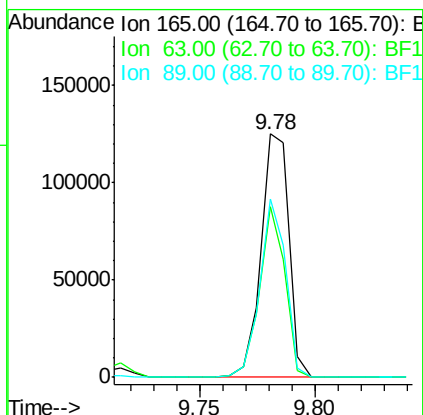
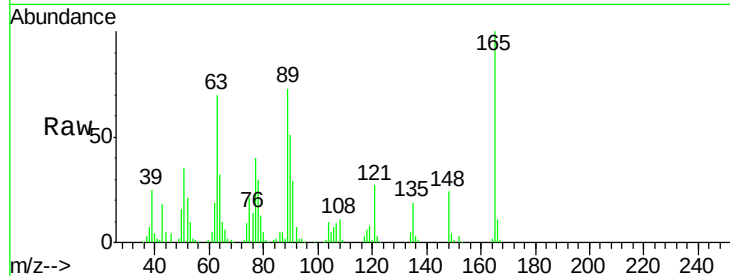




#50
2,6-Dinitrotoluene
Concen: 24.942 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

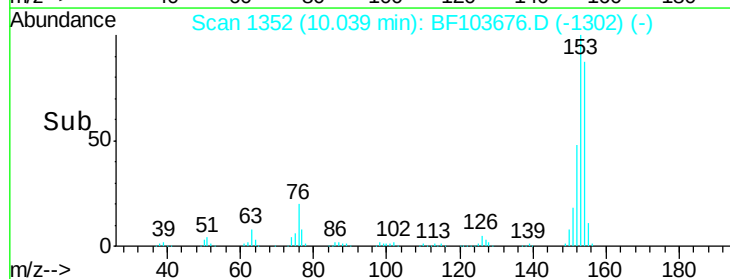
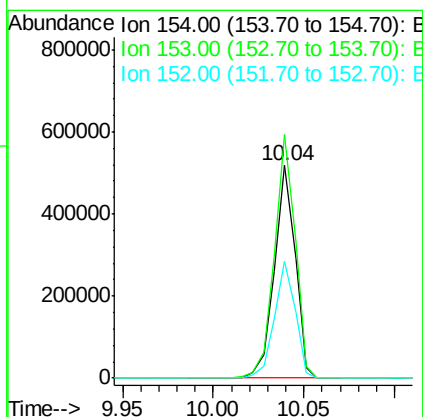
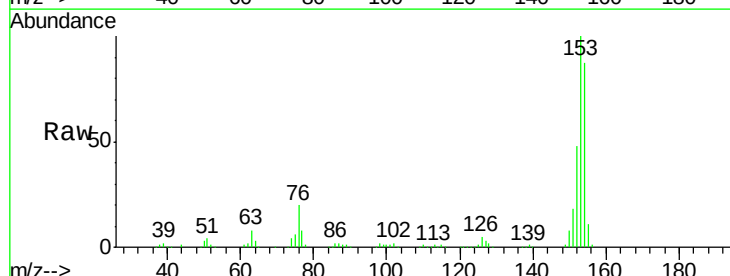
Instrument :
BNA_F
ClientSampleId :

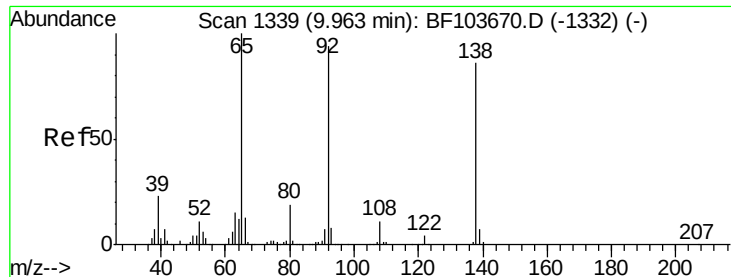
Tot Ion:165 Resp: 106088
Ion Ratio Lower Upper
165 100
63 69.9 44.7 67.1#
89 73.1 44.0 66.0#



#51
Acenaphthene
Concen: 21.551 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:154 Resp: 413334
Ion Ratio Lower Upper
154 100
153 114.5 91.2 136.8
152 55.2 43.8 65.8





#52

3-Nitroaniline

Concen: 3.872 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.08 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

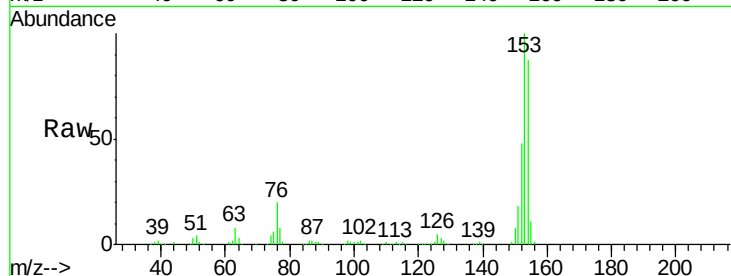
Tot Ion:138 Resp: 351

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

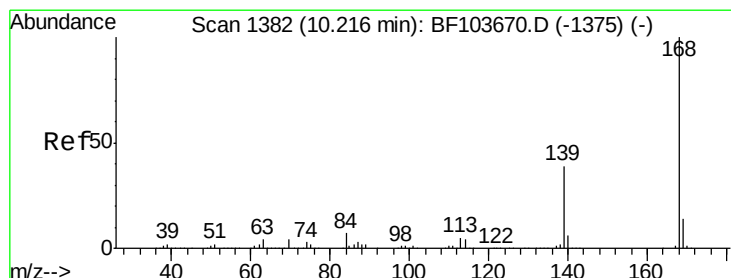
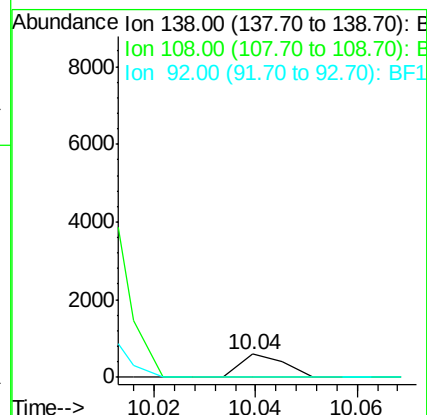
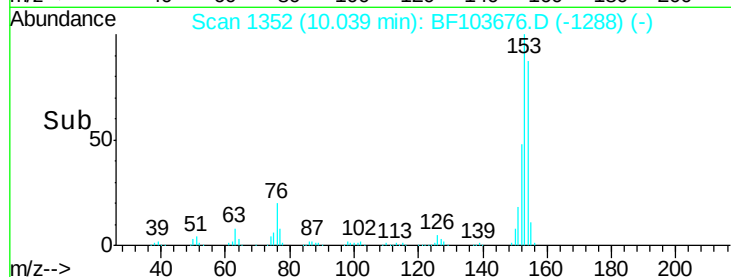
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

Dibenzofuran

Concen: 15.437 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

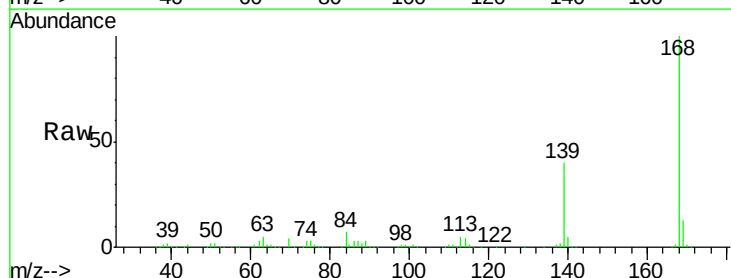
Tgt Ion:168 Resp: 422852

Ion Ratio Lower Upper

168 100

139 39.8 30.1 45.1

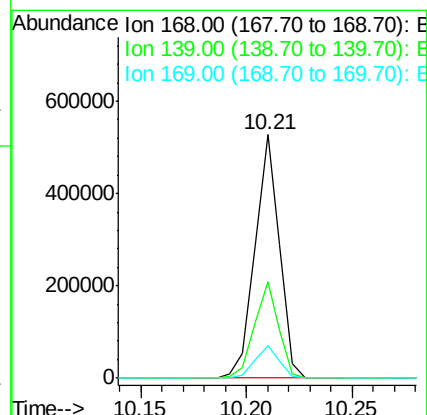
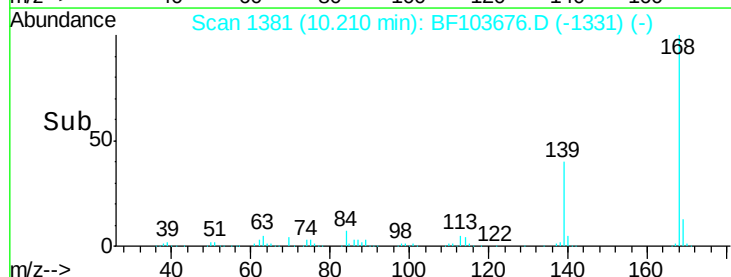
169 13.4 10.9 16.3

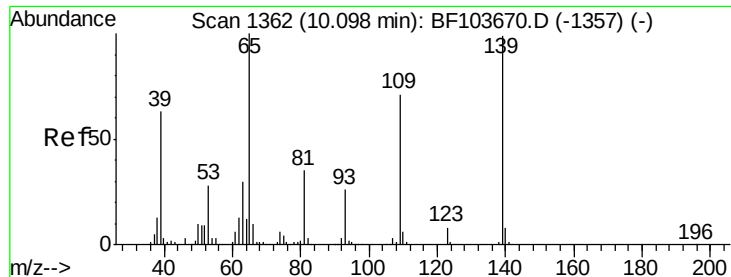


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

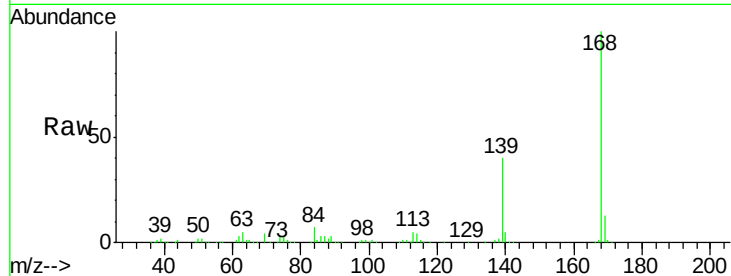




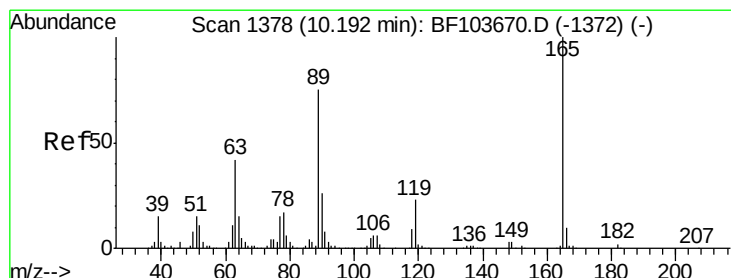
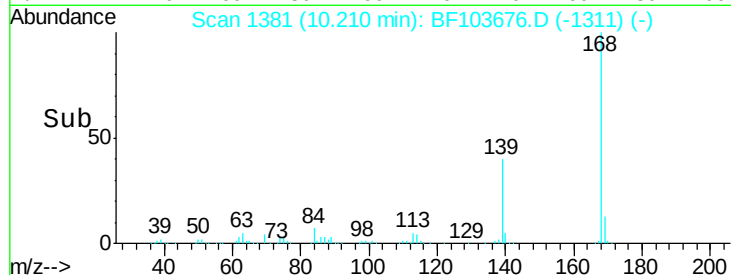
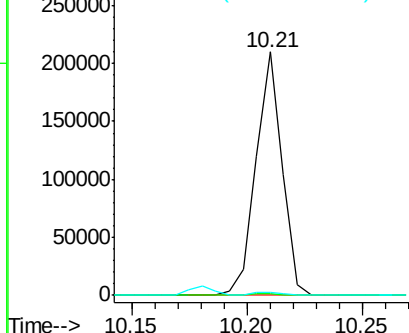
#55
4-Nitrophenol
Concen: 40.374 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.11 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 165840
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.4 72.6 112.6#



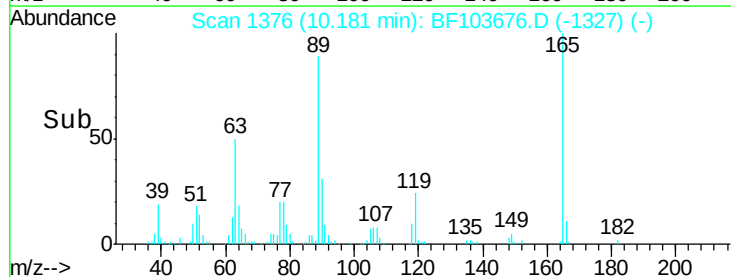
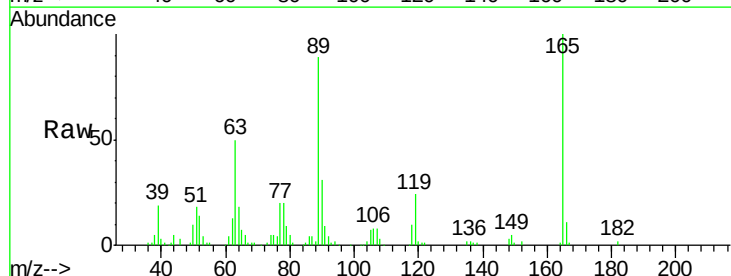
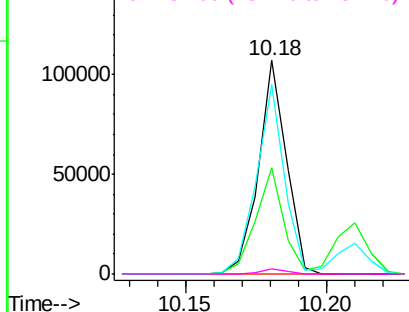
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

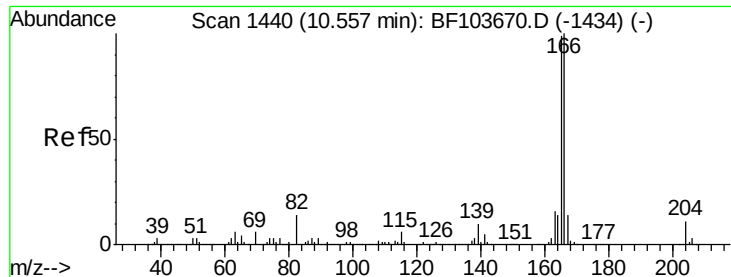


#56
2,4-Dinitrotoluene
Concen: 17.082 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:165 Resp: 73415
Ion Ratio Lower Upper
165 100
63 49.9 36.4 54.6
89 88.7 57.8 86.6#
182 2.2 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: 10.172 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

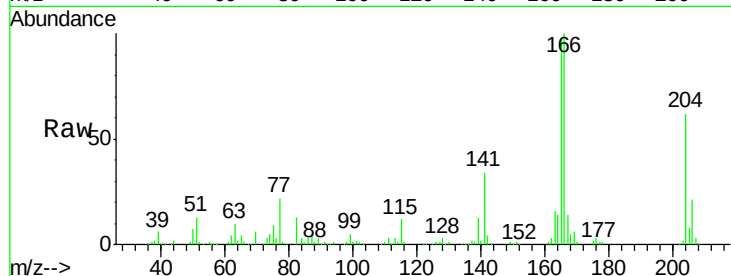
Tot Ion:166 Resp: 216221

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

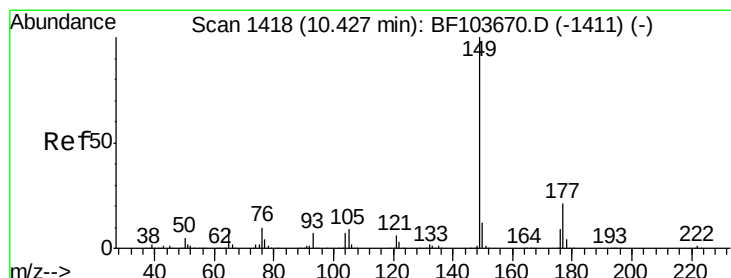
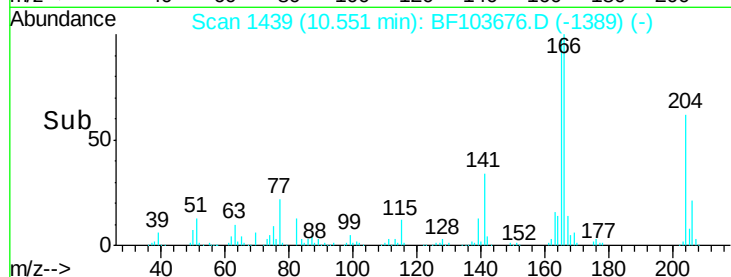
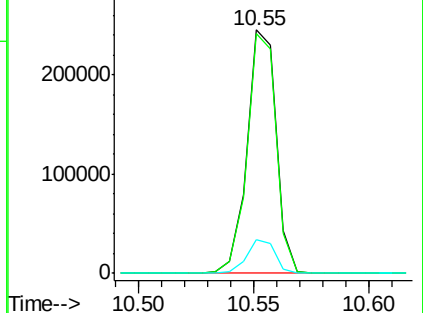
167 14.0 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 22.366 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

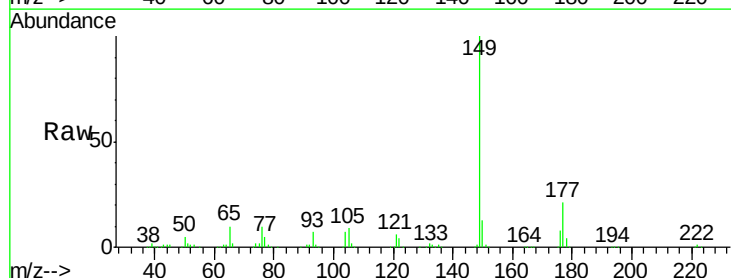
Tgt Ion:149 Resp: 532671

Ion Ratio Lower Upper

149 100

177 20.6 16.1 24.1

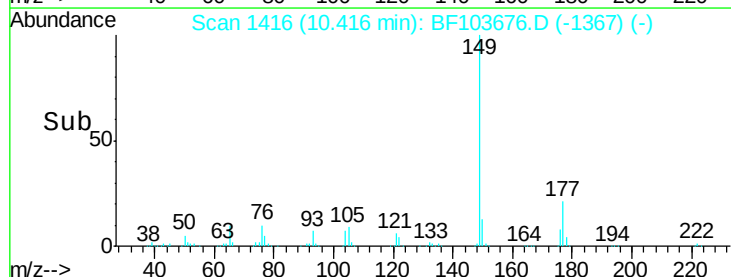
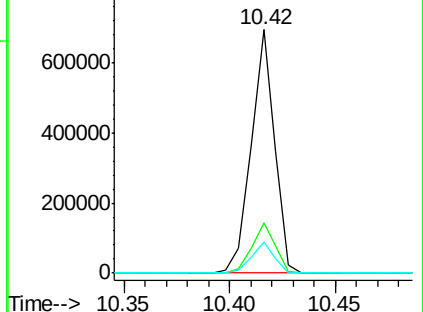
150 12.5 10.1 15.1

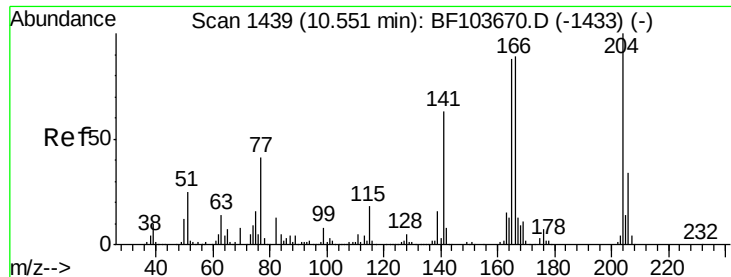


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

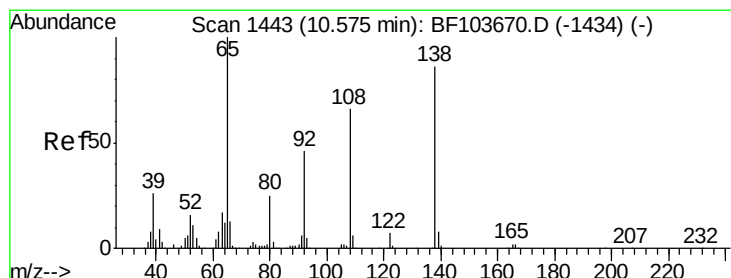
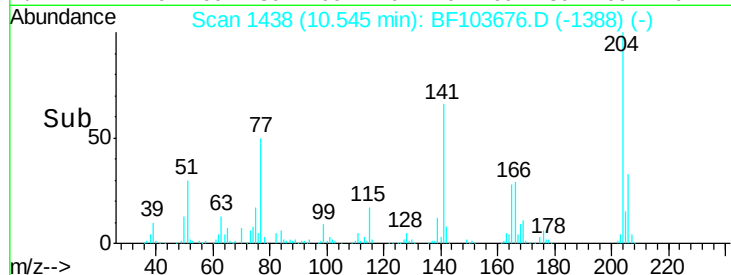
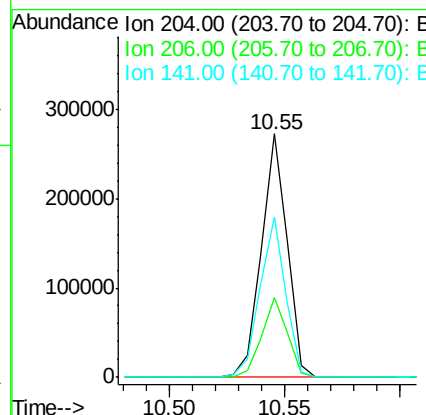
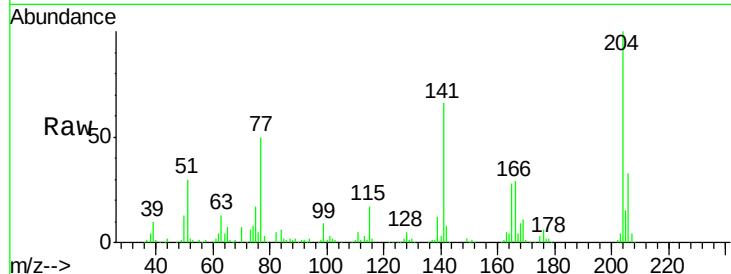




#60
 4-Chlorophenyl-phenylether
 Concen: 21.843 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

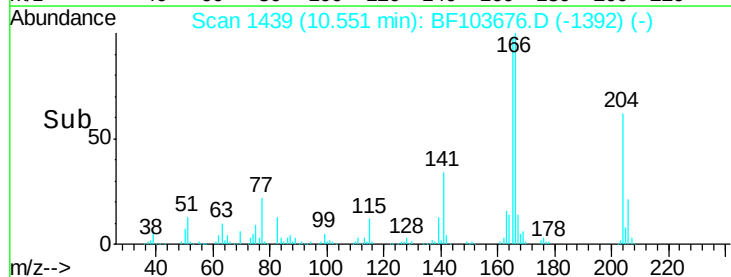
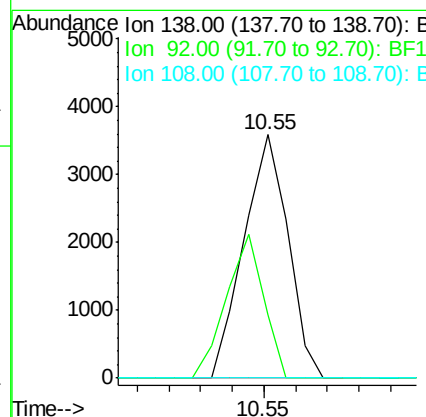
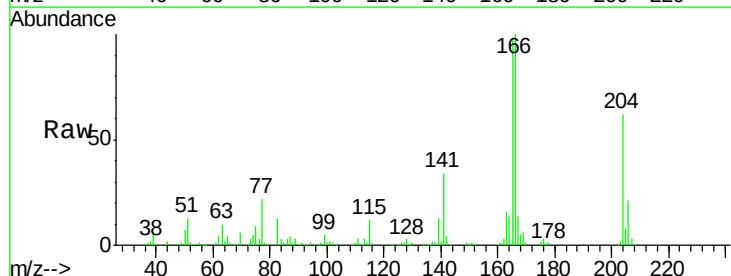
Instrument :
 BNA_F
 ClientSampleId :

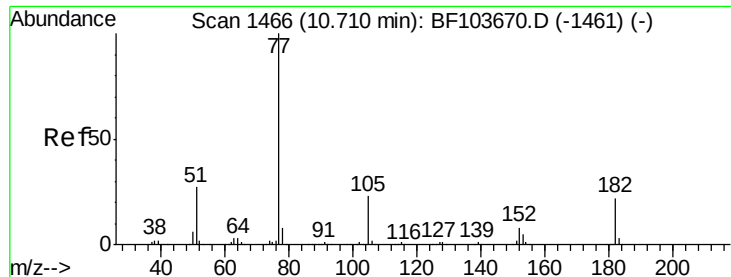
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	66.1	54.6	81.8



#61
 4-Nitroaniline
 Concen: 4.345 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	26.1	30.2	70.2#
108	0.0	52.5	92.5#





#62

Azobenzene

Concen: 4.403 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.16 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 106618

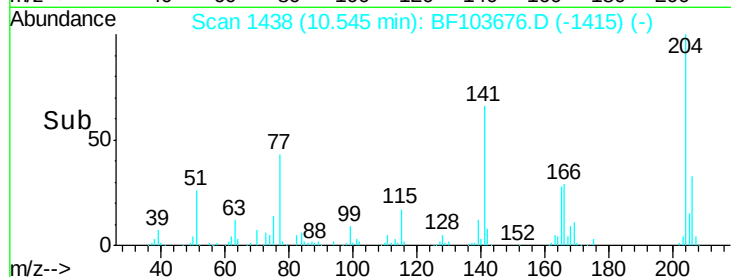
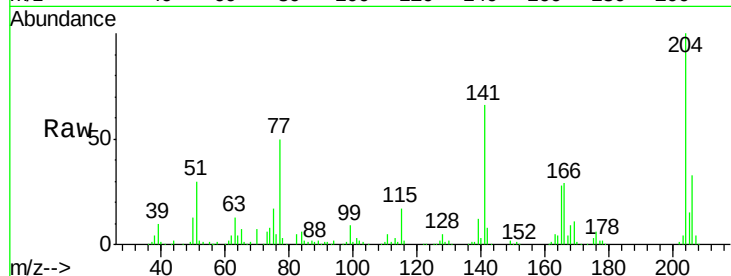
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 0.3 3.0 43.0#

51 60.5 9.9 49.9#

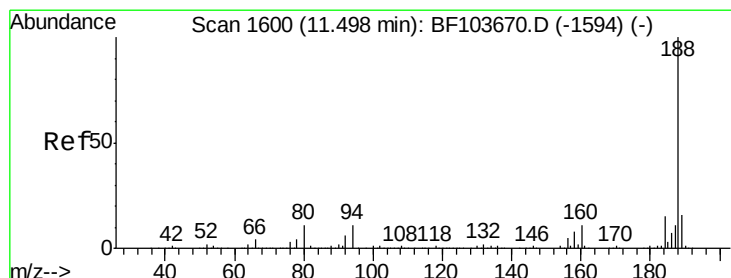
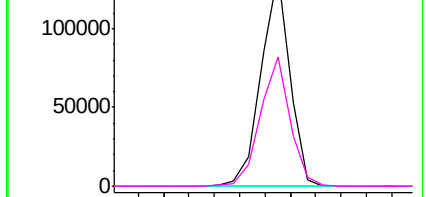


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

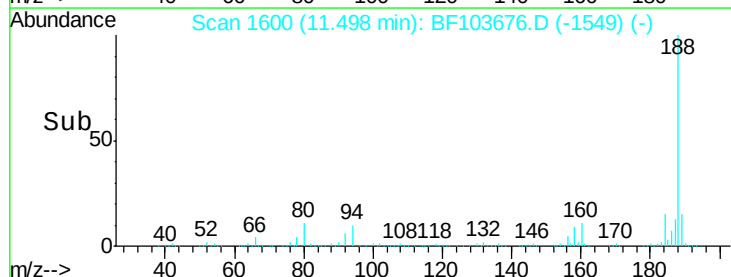
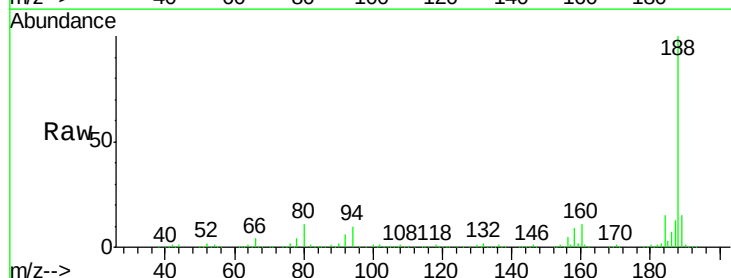
Tgt Ion: 188 Resp: 563838

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

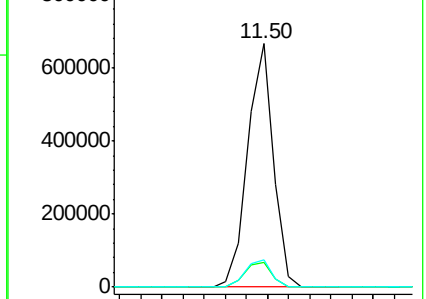
80 11.0 9.2 13.8

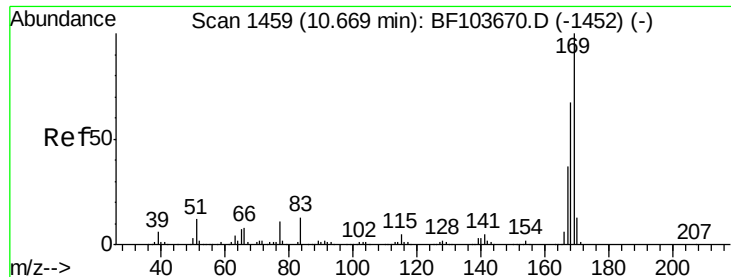


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

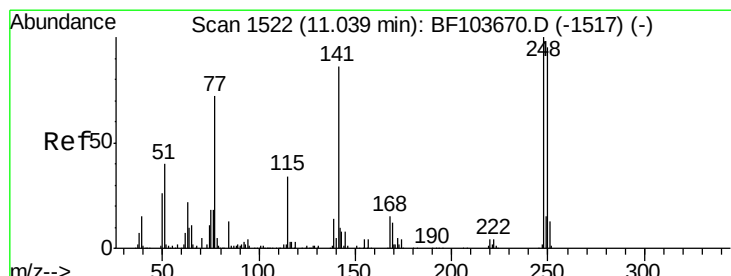
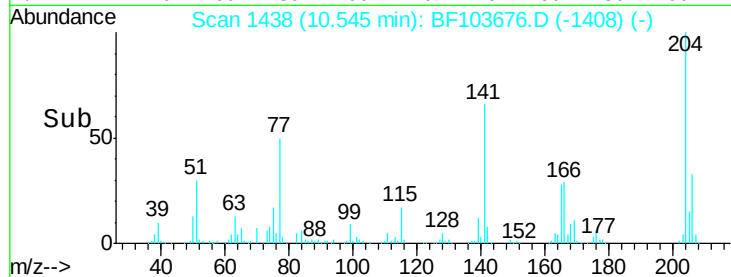
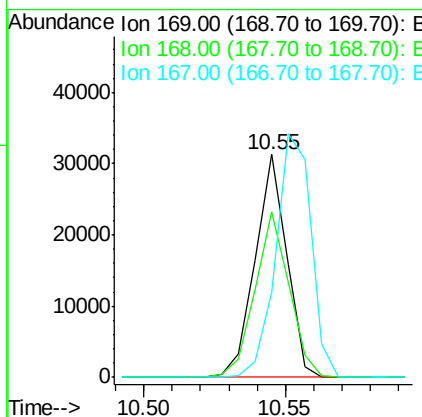
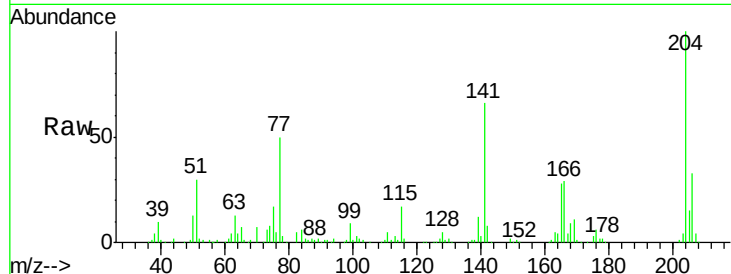




#65
 n-Nitrosodiphenylamine
 Concen: 1.264 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.12 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

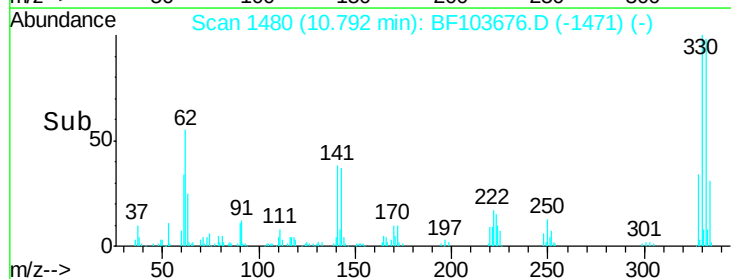
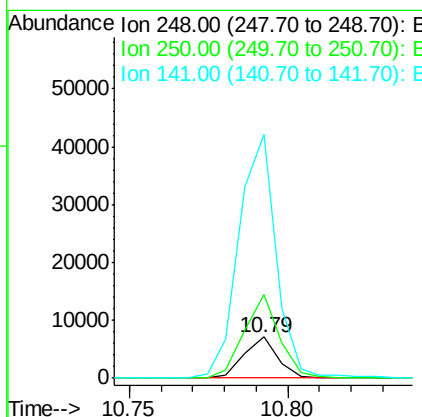
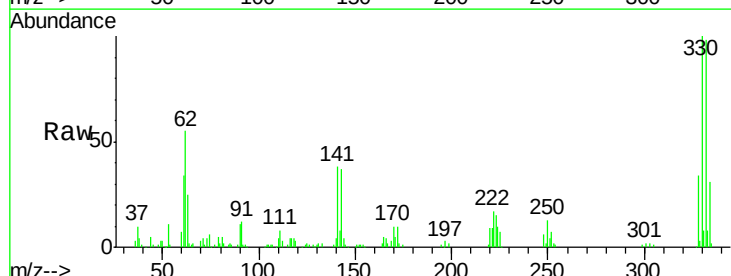
Instrument :
 BNA_F
 ClientSampleId :

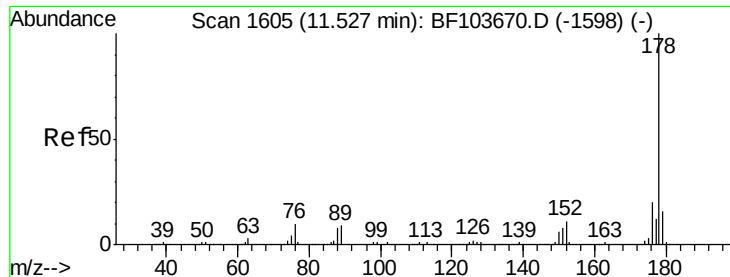
Tot Ion:169 Resp: 24255
 Ion Ratio Lower Upper
 169 100
 168 74.5 54.4 81.6
 167 37.9 29.8 44.6



#66
 4-Bromophenyl-phenylether
 Concen: 0.903 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.25 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

Tgt Ion:248 Resp: 5226
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.9 115.3#
 141 596.3 74.4 111.6#

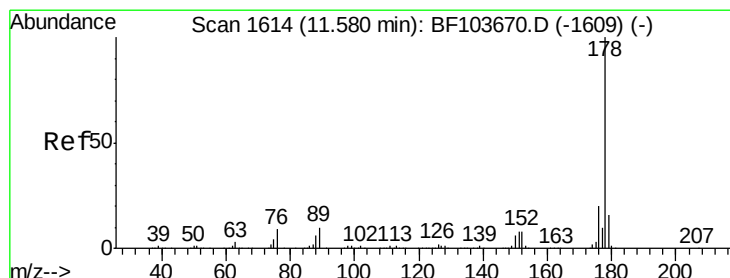
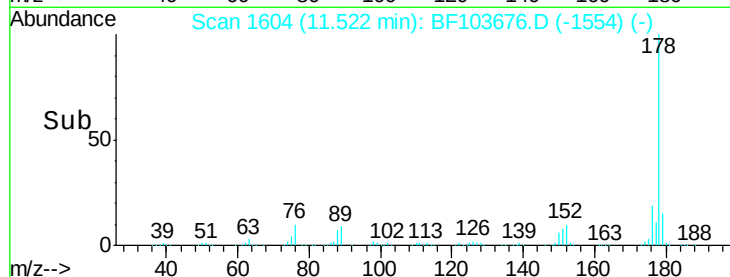
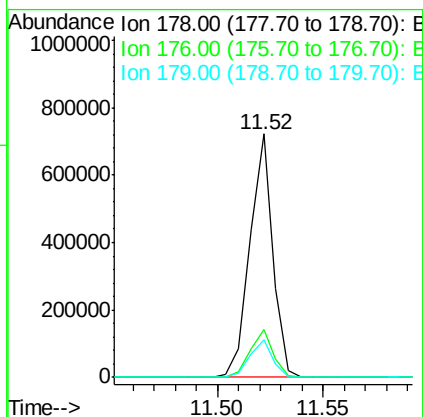
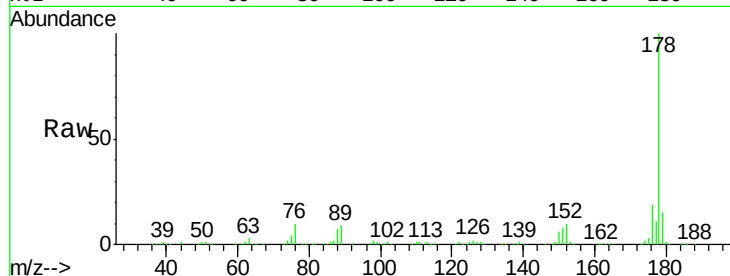




#70
 Phenanthrene
 Concen: 17.633 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

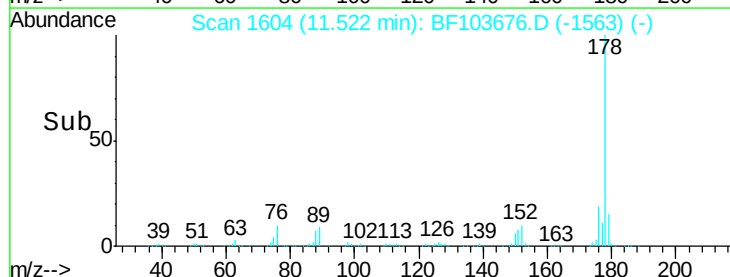
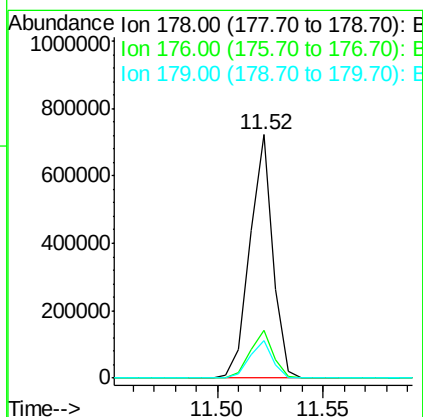
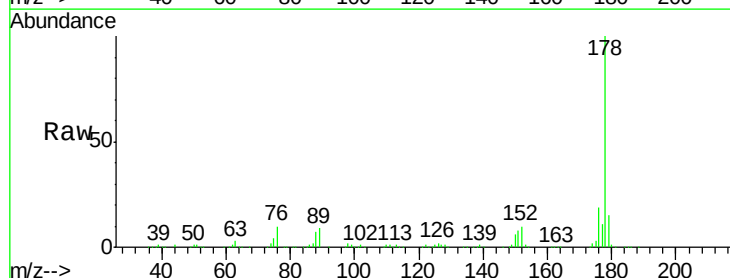
Instrument :
 BNA_F
 ClientSampled :

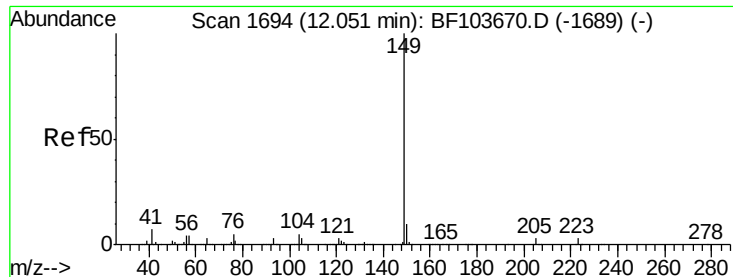
Tot Ion:178 Resp: 543860
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.4 13.0 19.6



#71
 Anthracene
 Concen: 17.361 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.06 min
 Lab File: BF103676.D
 Acq: 15 Mar 2018 18:55

Tgt Ion:178 Resp: 543860
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.4 12.6 19.0





#73

Di-n-butylphthalate

Concen: 29.817 ng

RT: 12.05 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

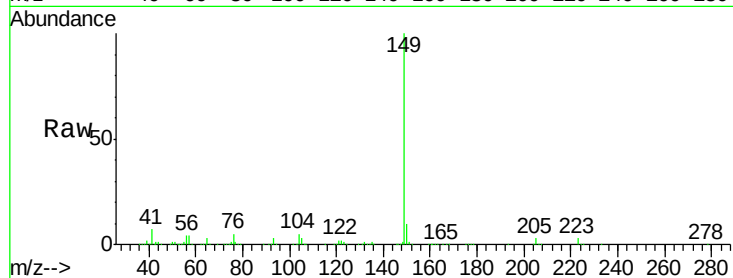
Tot Ion:149 Resp: 1089332

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

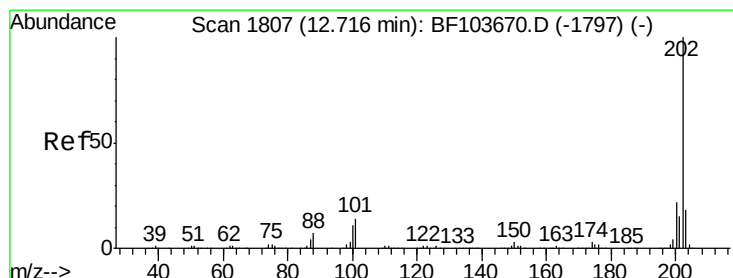
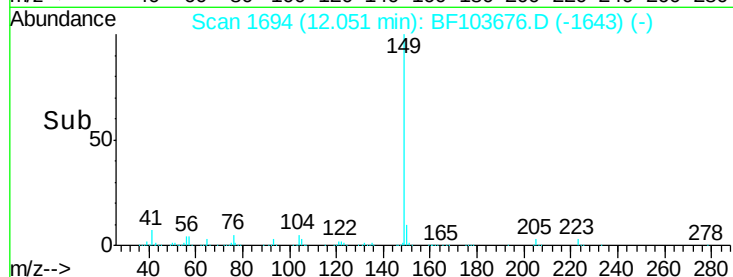
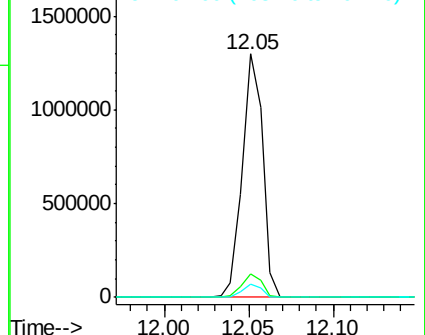
104 5.4 3.8 5.8



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: 23.468 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

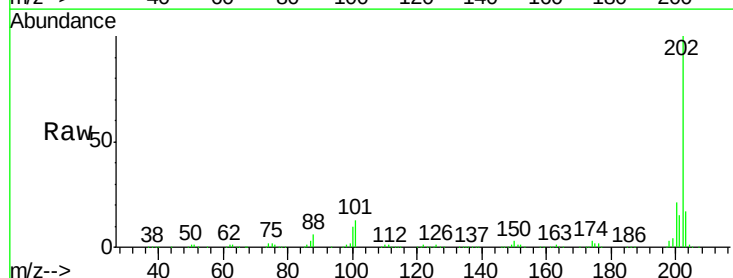
Tgt Ion:202 Resp: 745706

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

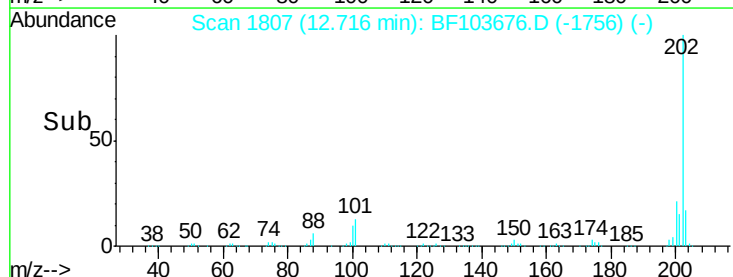
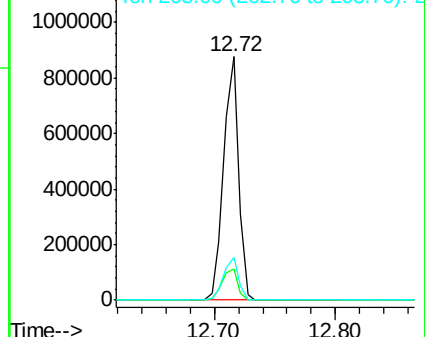
203 17.4 0.0 38.1

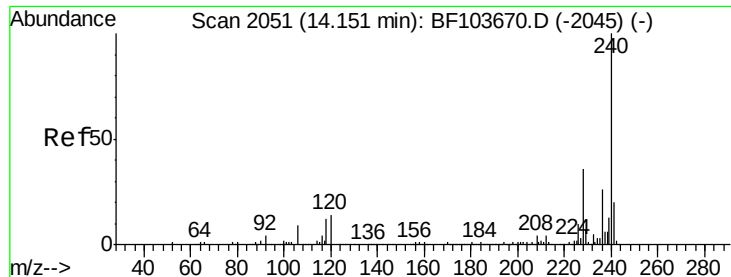


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

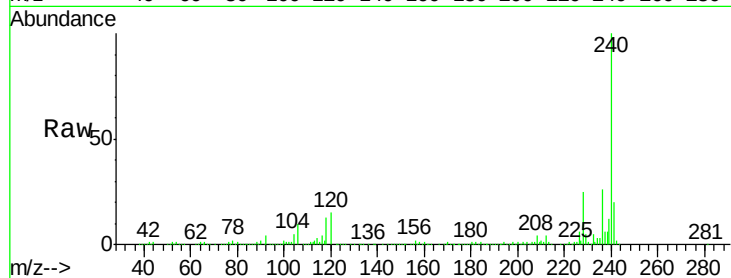
Tot Ion:240 Resp: 481941

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

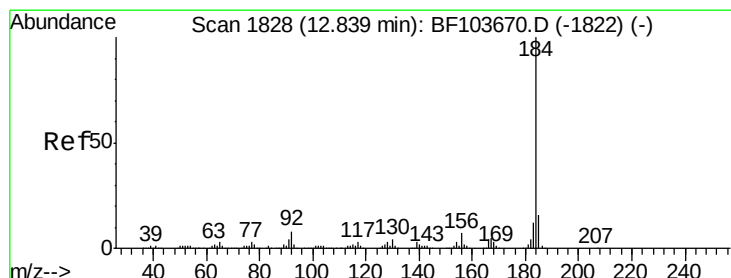
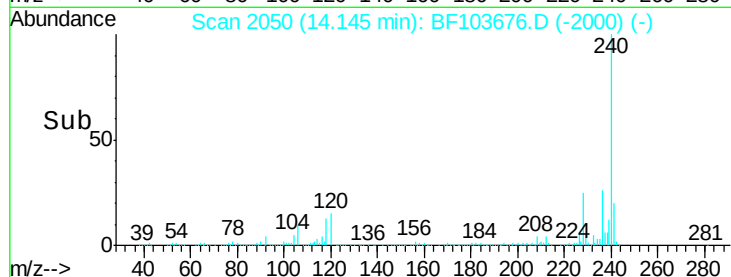
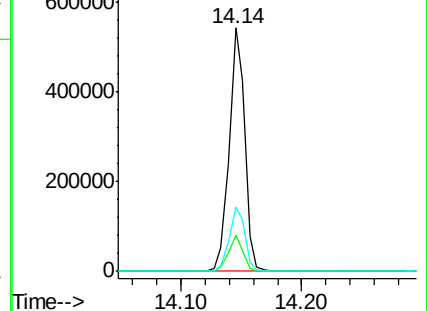
236 26.3 20.7 31.1



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: 0.343 ng

RT: 13.08 min Scan# 1869

Delta R.T. 0.24 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

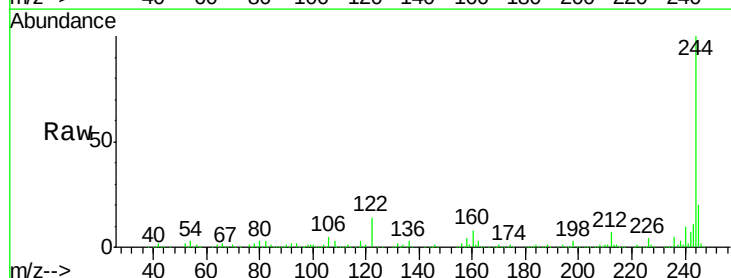
Tgt Ion:184 Resp: 7058

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

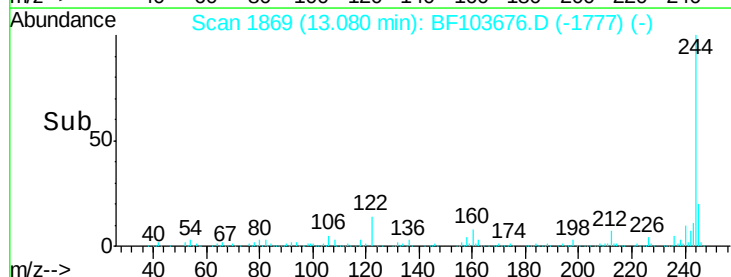
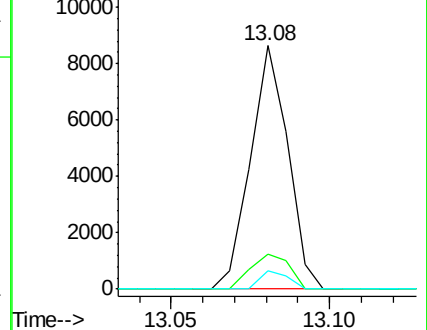
183 7.5 9.3 13.9#

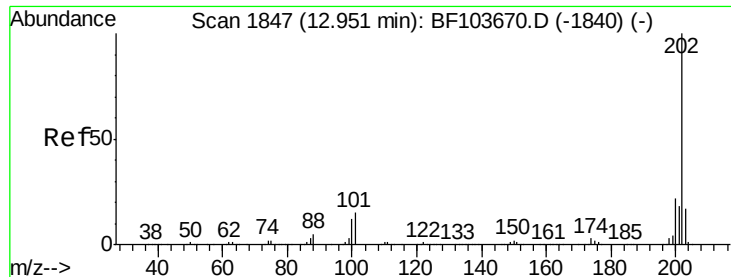


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

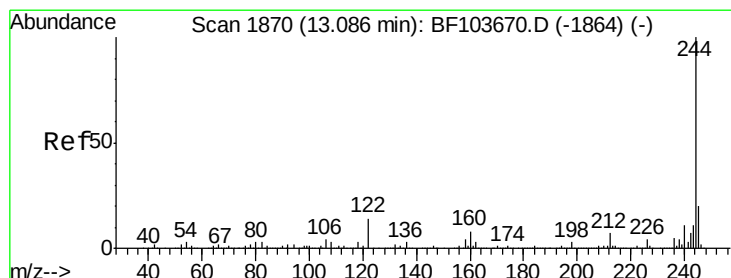
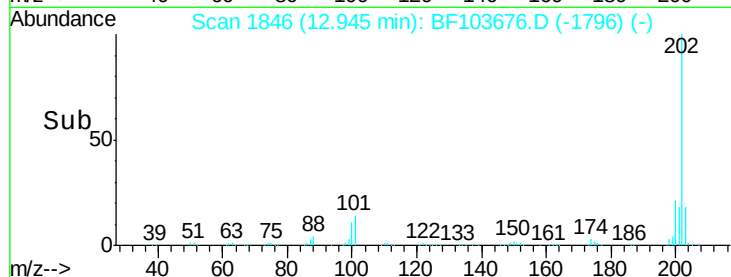
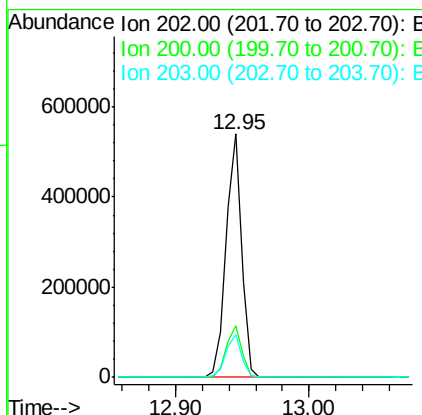
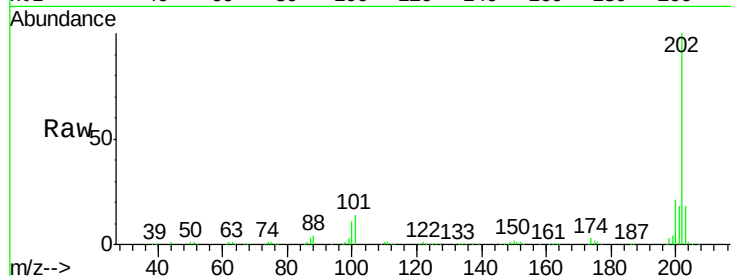




#77
Pvrene
Concen: 12.619 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

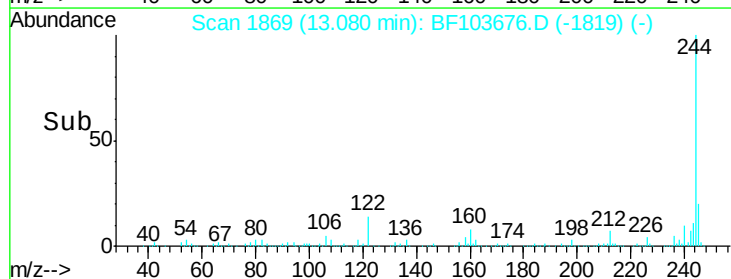
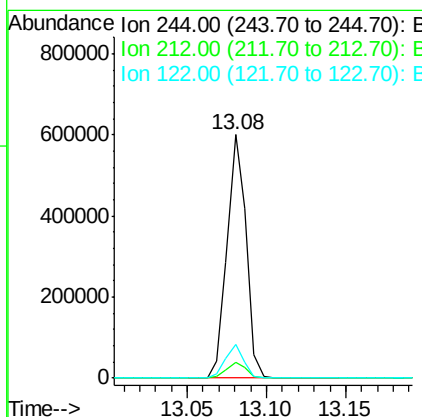
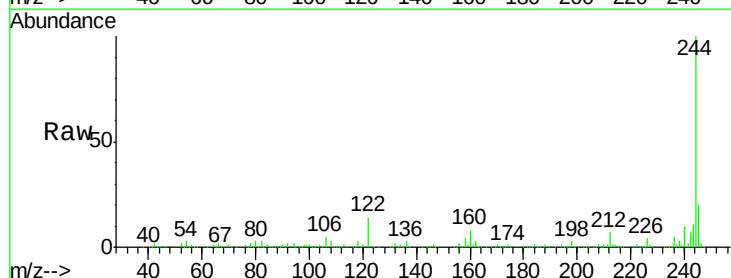
Instrument :
BNA_F
ClientSampleId :

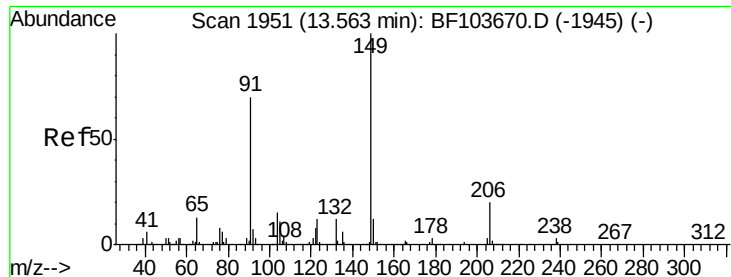
Tot Ion:202 Resp: 446641
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 23.971 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:244 Resp: 497706
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 13.8 11.0 16.4

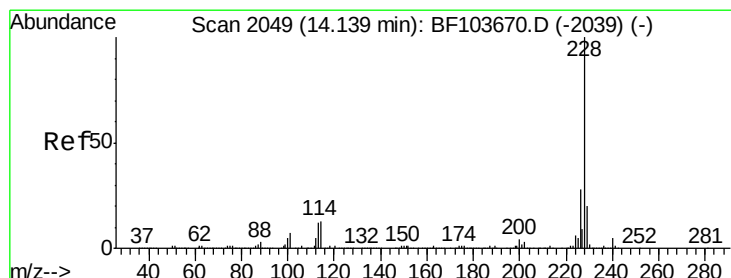
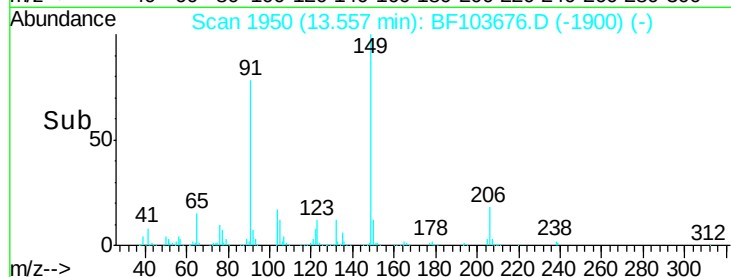
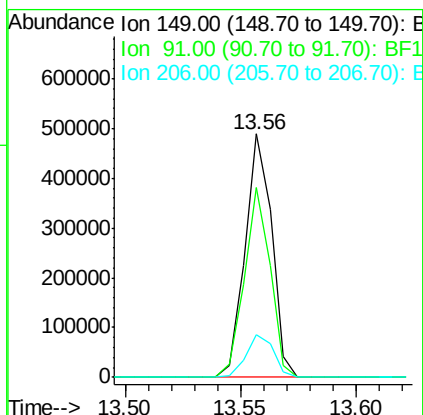
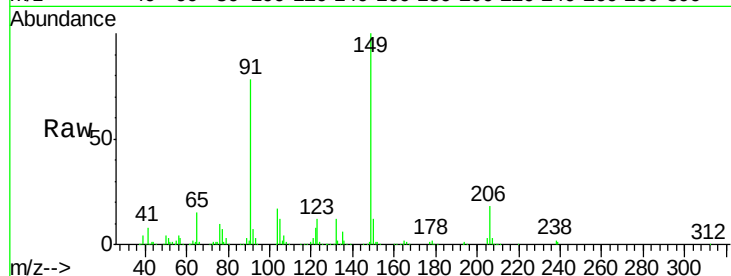




#79
Butylbenzylphthalate
Concen: 25.250 ng
RT: 13.56 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

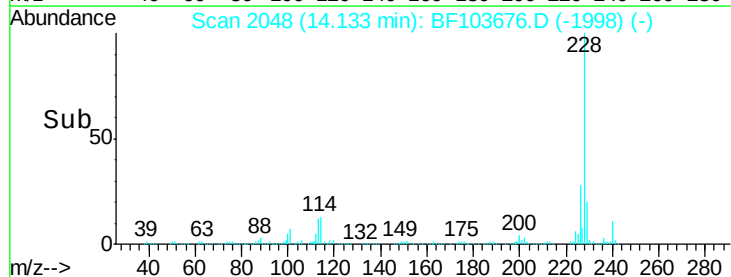
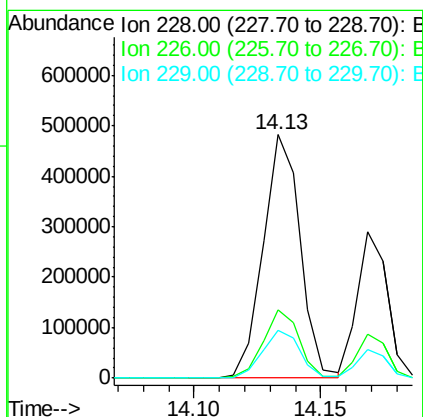
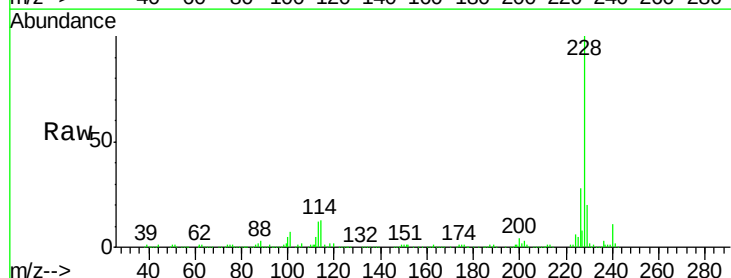
Instrument :
BNA_F
ClientSampleId :

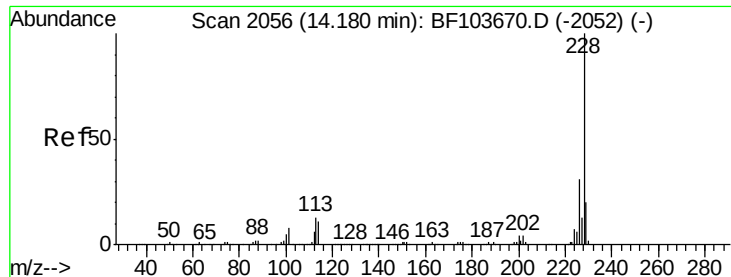
Tot Ion:149 Resp: 395952
Ion Ratio Lower Upper
149 100
91 77.9 56.8 85.2
206 17.7 14.1 21.1



#80
Benzo(a)anthracene
Concen: 16.227 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:228 Resp: 495018
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 19.7 15.8 23.6





#82

Chrysene

Concen: 8.340 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

Instrument :

BNA_F

ClientSampleId :

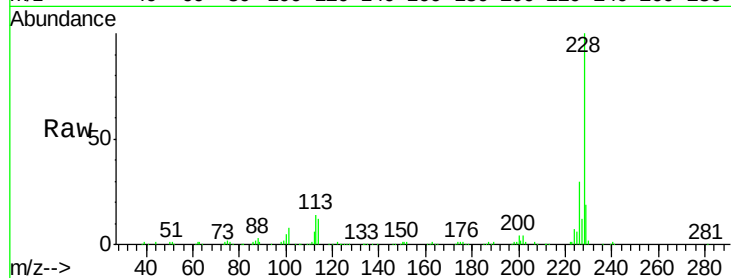
Tot Ion:228 Resp: 242546

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

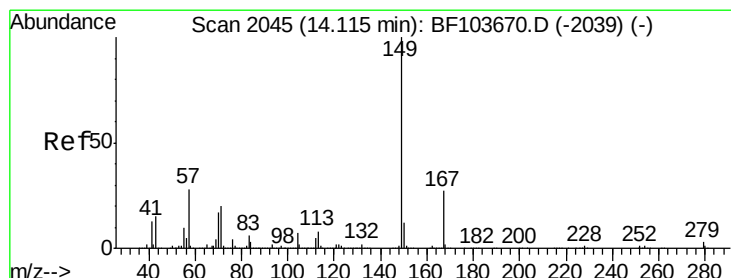
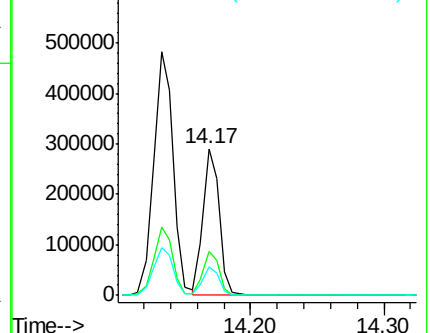
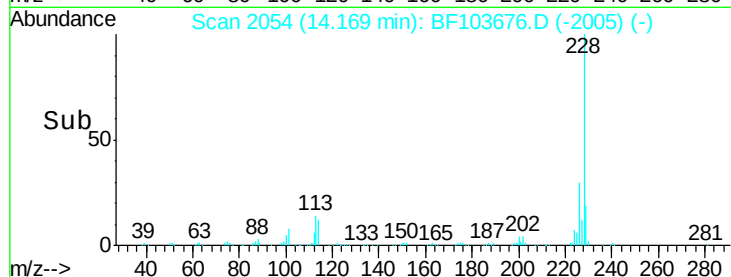
229 19.3 16.2 24.4



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: 8.790 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BF103676.D

Acq: 15 Mar 2018 18:55

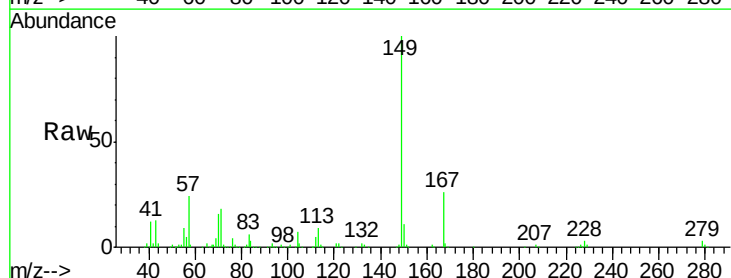
Tgt Ion:149 Resp: 196910

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

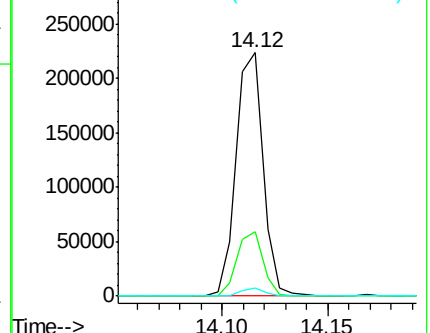
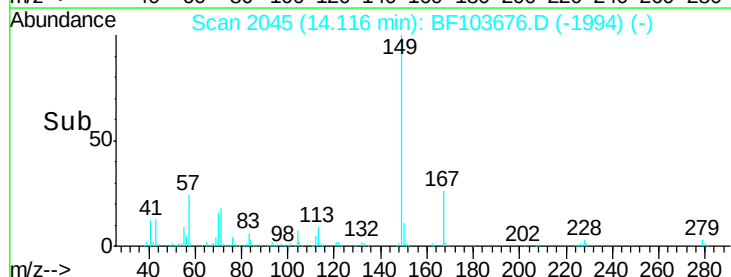
279 3.2 3.0 4.4

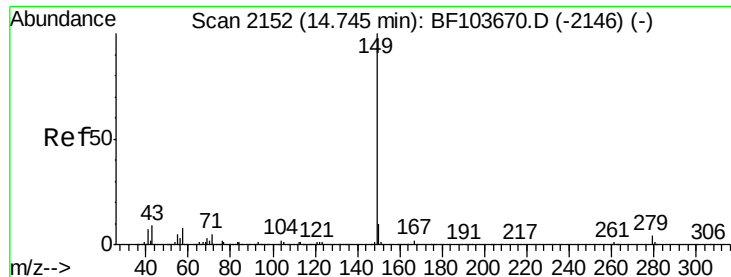


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

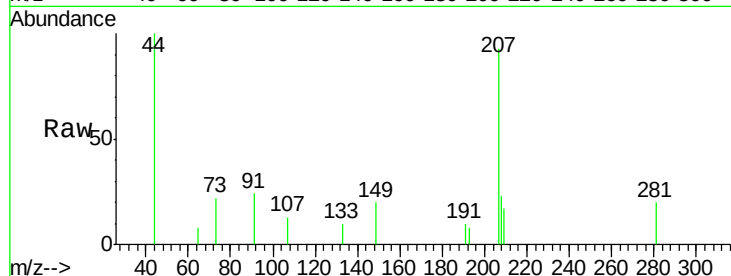




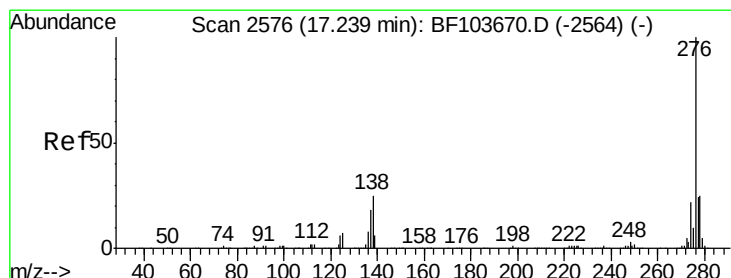
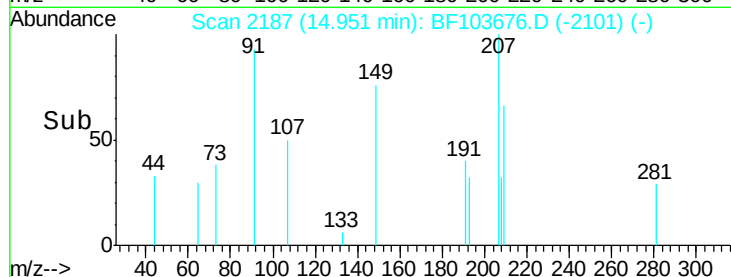
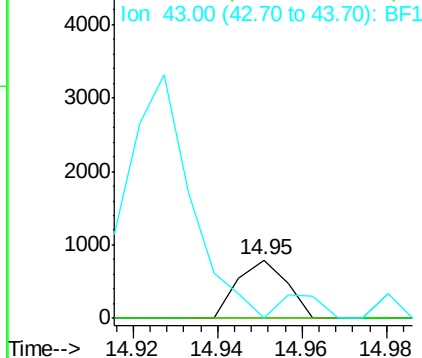
#84
Di-n-octyl phthalate
Concen: 0.020 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.21 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 638
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 34.5 8.4 12.6#

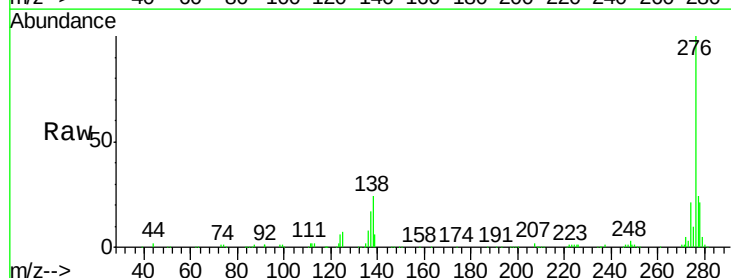


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

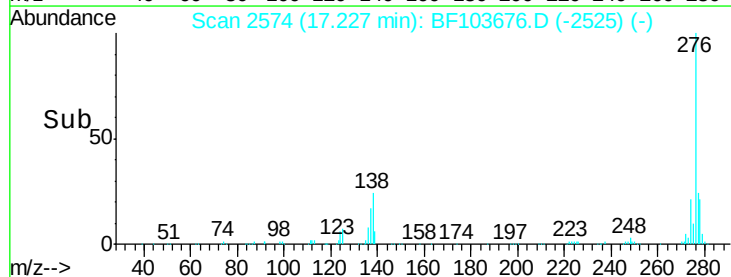
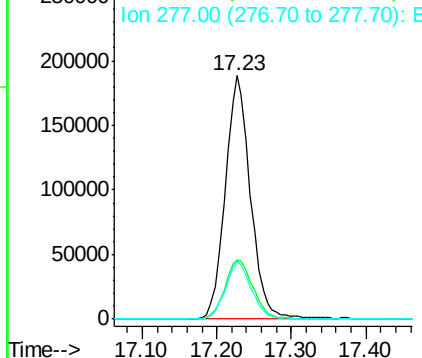


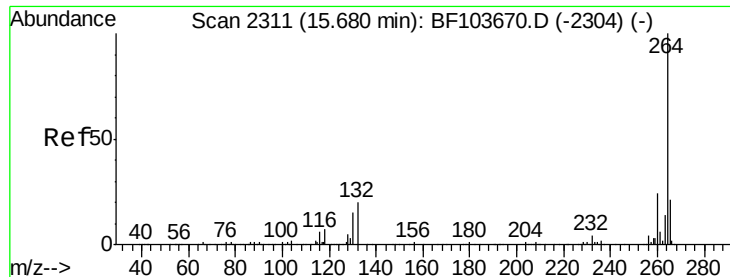
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.398 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:276 Resp: 441832
Ion Ratio Lower Upper
276 100
138 27.2 25.0 37.6
277 24.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



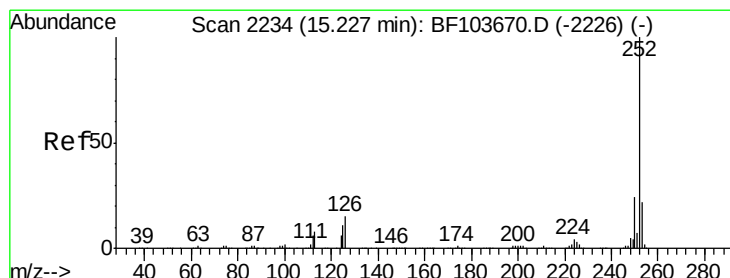
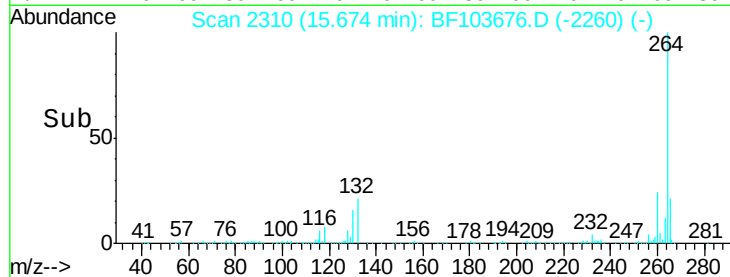
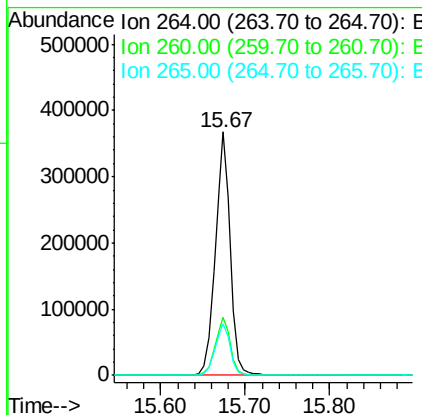
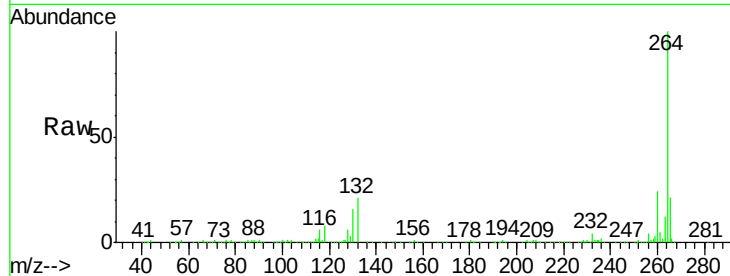


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 459059

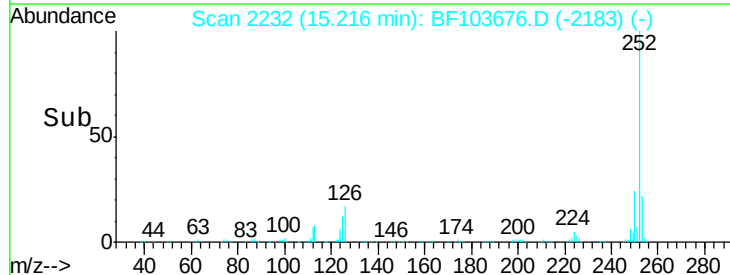
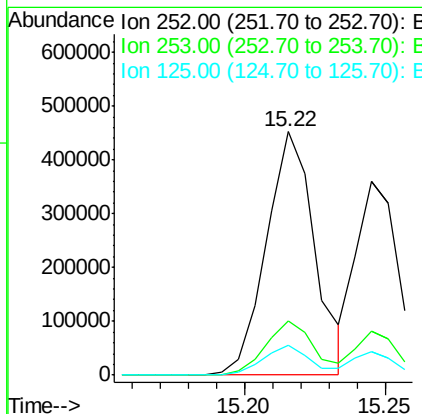
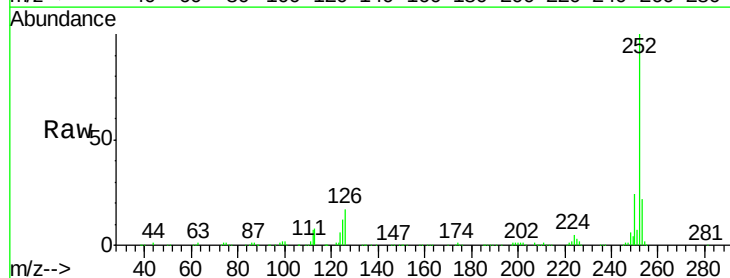
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.2	17.5	26.3

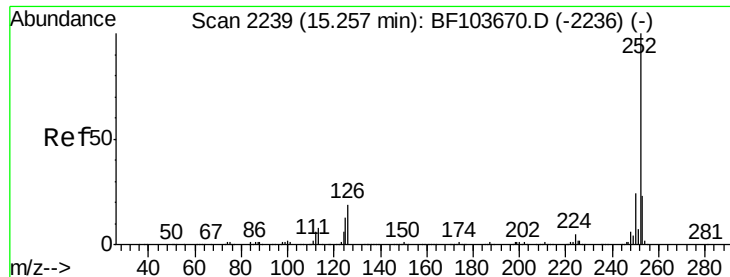


#87
Benzo(b)fluoranthene
Concen: 18.599 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:252 Resp: 539399

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.4	9.0	13.6

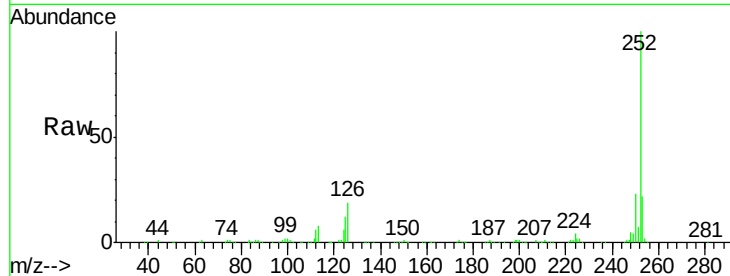




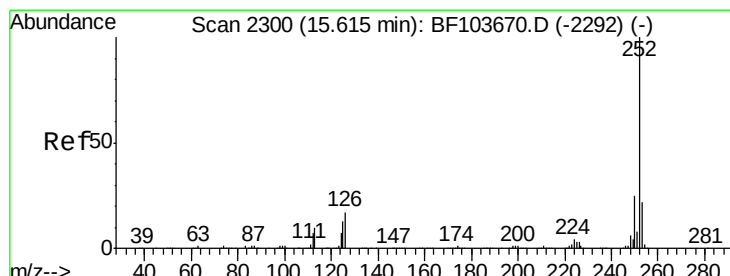
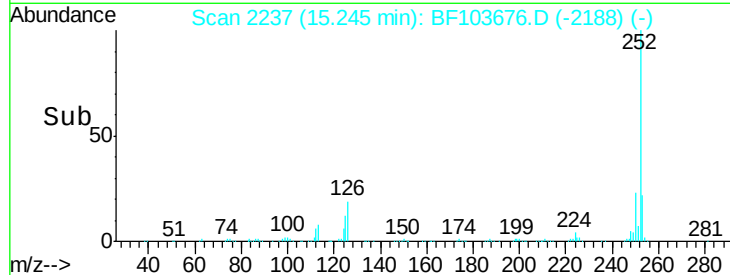
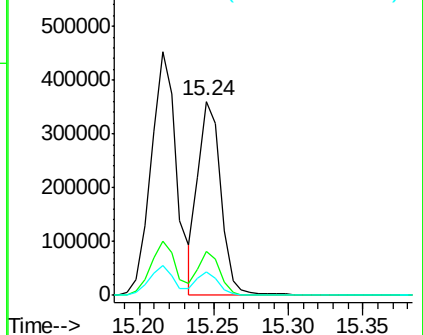
#88
Benzo(k)fluoranthene
Concen: 13.601 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 379169
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 12.2 10.2 15.2

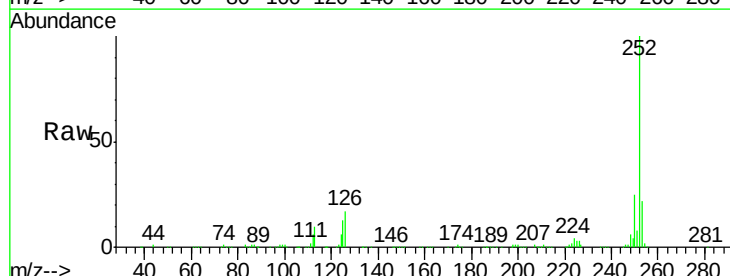


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

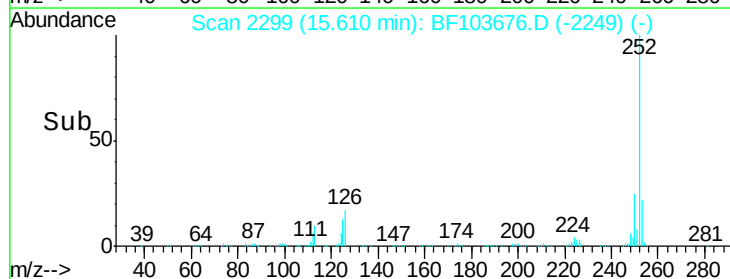
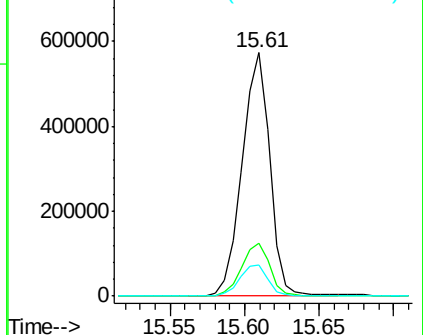


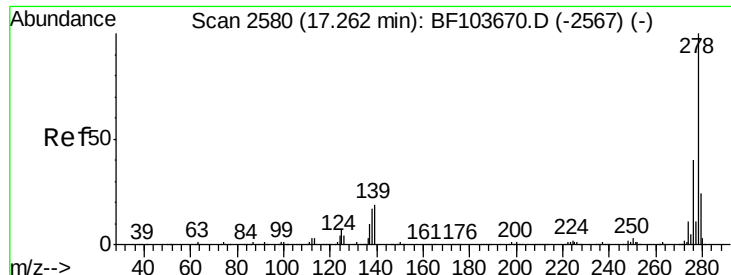
#89
Benzo(a)pyrene
Concen: 28.051 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:252 Resp: 737894
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 12.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

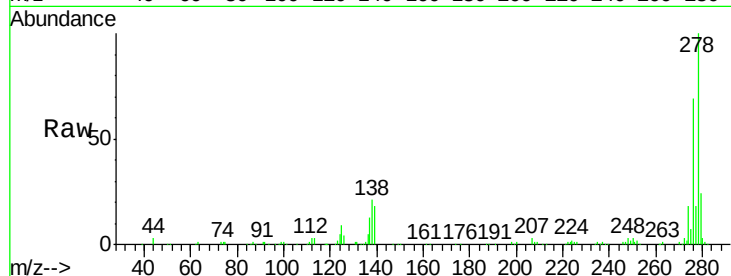




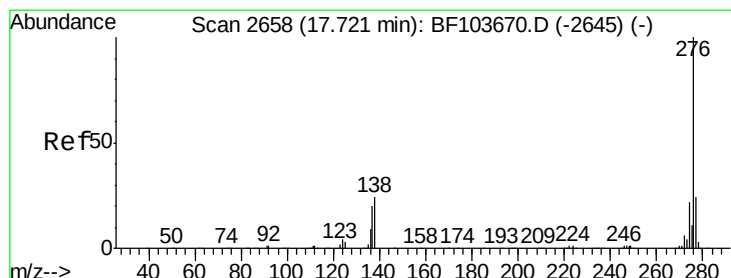
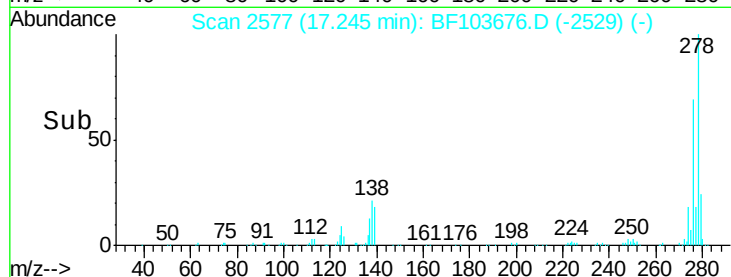
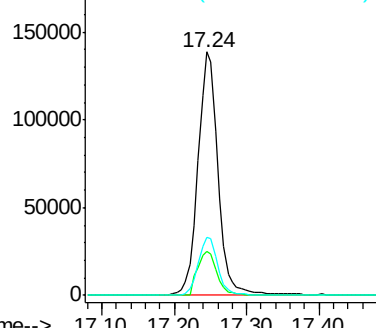
#90
Dibenzo(a,h)anthracene
Concen: 11.753 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 267698
Ion Ratio Lower Upper
278 100
139 17.9 15.9 23.9
279 23.6 19.0 28.4

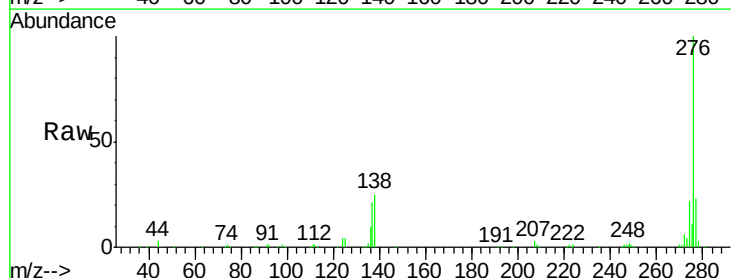


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 13.649 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.02 min
Lab File: BF103676.D
Acq: 15 Mar 2018 18:55

Tgt Ion:276 Resp: 302449
Ion Ratio Lower Upper
276 100
277 23.5 17.9 26.9
138 25.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

