

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103975.D
 Acq On : 27 Mar 2018 17:44
 Operator : JU/SJ
 Sample : J2050-04 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:53:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136682	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	529006	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	224356	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	339731	20.00	ng	0.00
75) Chrysene-d12	14.17	240	225341	20.00	ng	0.00
86) Perylene-d12	15.72	264	220102	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	454113	50.53	ng	0.00
7) Phenol-d6	6.60	99	549594	49.99	ng	0.00
23) Nitrobenzene-d5	7.53	82	301157	39.70	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	111066	57.58	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	486052	34.56	ng	0.00
78) Terphenyl-d14	13.09	244	332819	34.28	ng	0.00

Target Compounds

						Qvalue
18) Hexachloroethane	7.50	117	7615	2.009	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	18324	2.601	ng	# 53
26) 2-Nitrophenol	7.88	139	1070	9.700	ng	# 1
31) Naphthalene	8.27	128	97192	3.637	ng	# 97
32) Benzoic acid	7.99	122	295	9.949	ng	# 1
37) 2-Methylnaphthalene	8.97	142	124227	7.331	ng	# 98
47) 2-Nitroaniline	9.56	65	805	6.992	ng	# 9
48) Acenaphthylene	9.87	152	52425	2.275	ng	# 73
49) Dimethylphthalate	9.72	163	39250	2.293	ng	# 47
50) 2,6-Dinitrotoluene	9.77	165	3042	4.826	ng	# 47
51) Acenaphthene	10.05	154	75887	5.547	ng	# 92
52) 3-Nitroaniline	9.96	138	6308	5.278	ng	# 25
53) 2,4-Dinitrophenol	9.97	184	221	6.798	ng	# 1
54) Dibenzofuran	10.22	168	71103	3.639	ng	# 93
55) 4-Nitrophenol	10.12	139	13013	8.864	ng	# 13
56) 2,4-Dinitrotoluene	10.21	165	8781	8.036	ng	# 57
57) Fluorene	10.56	166	115944	7.647	ng	# 97
61) 4-Nitroaniline	10.47	138	6136	5.230	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.62	198	1458	9.397	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	67808	5.864	ng	# 44
70) Phenanthrene	11.54	178	970611	52.228	ng	# 99
71) Anthracene	11.59	178	265074	14.044	ng	# 99
72) Carbazole	11.74	167	85955	4.685	ng	# 87
74) Fluoranthene	12.75	202	1319772	68.933	ng	# 98
77) Pyrene	12.97	202	1153446	69.699	ng	# 99
80) Benzo(a)anthracene	14.16	228	624420	43.776	ng	# 99
82) Chrysene	14.20	228	537765	39.550	ng	# 98
83) Bis(2-ethylhexyl)phthalate	14.12	149	43732	4.175	ng	# 87
85) Indeno(1,2,3-cd)pyrene	17.32	276	248722	20.946	ng	# 93
87) Benzo(b)fluoranthene	15.26	252	860090	61.852	ng	# 92
88) Benzo(k)fluoranthene	15.26	252	860090	64.345	ng	# 95
89) Benzo(a)pyrene	15.66	252	458085	36.320	ng	# 96
90) Dibenzo(a,h)anthracene	17.32	278	63546	5.819	ng	# 78
91) Benzo(g,h,i)perylene	17.82	276	246027	23.157	ng	# 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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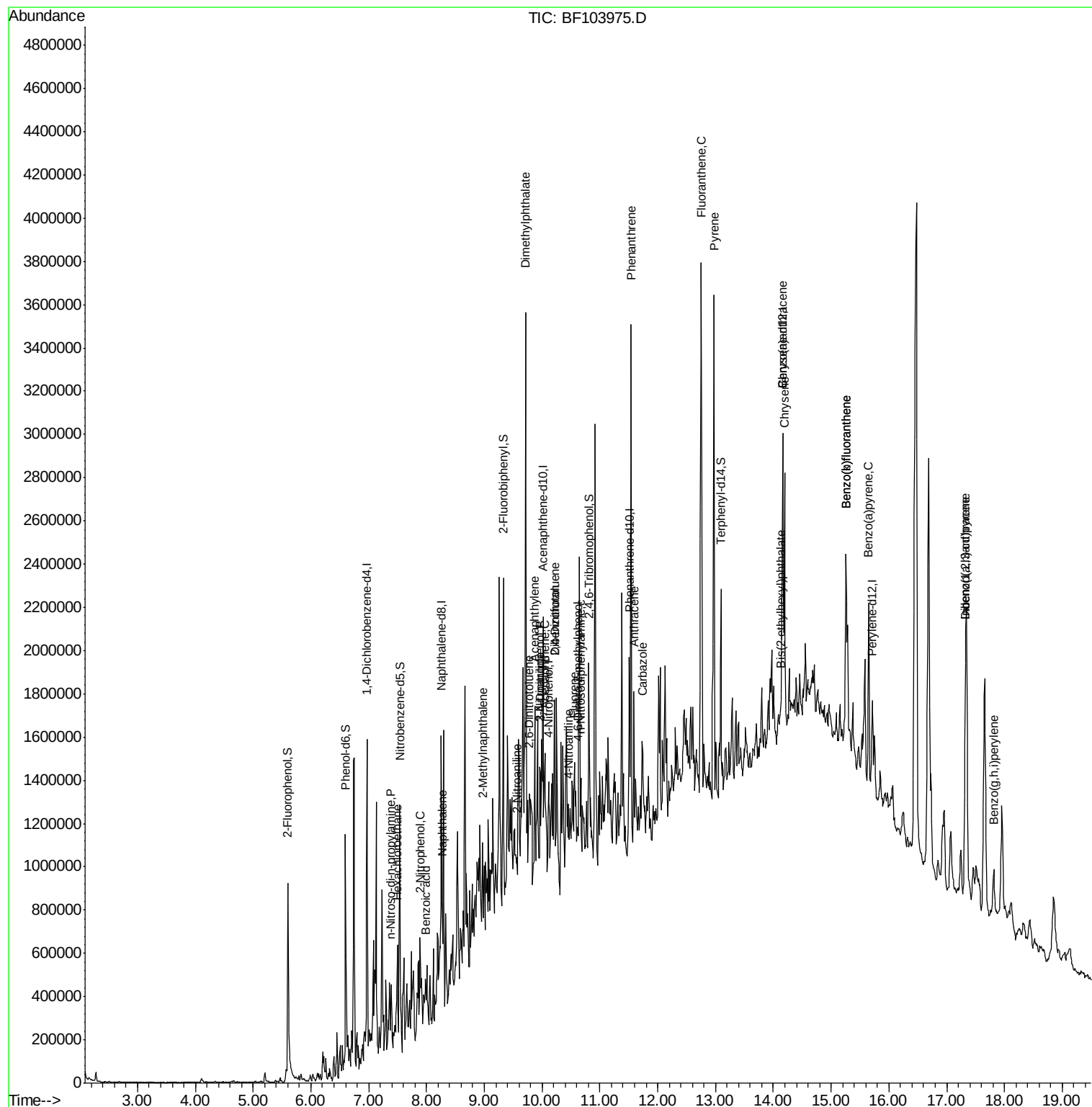
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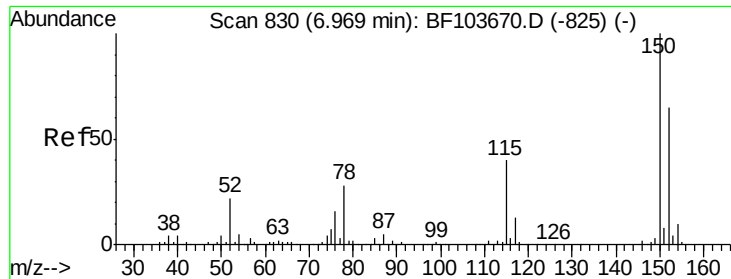
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF103975.D
Acq On : 27 Mar 2018 17:44
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Sample : J2050-04 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Mar 28 03:53:01 2018
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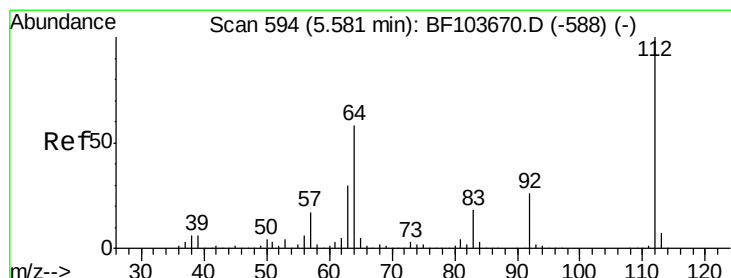
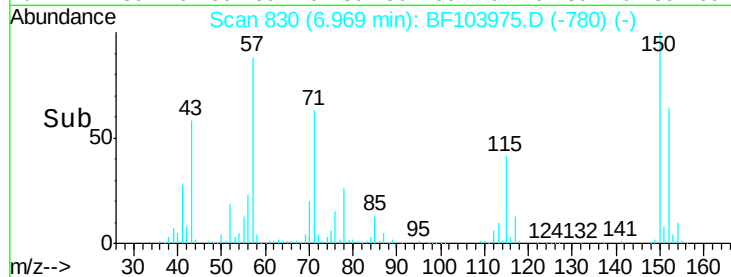
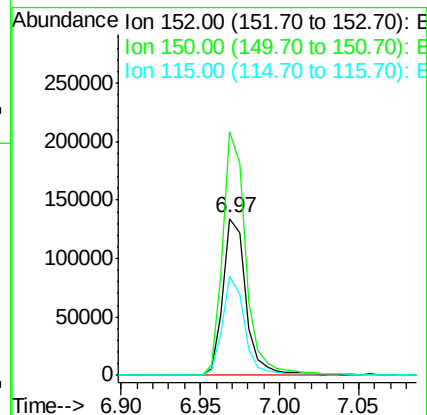
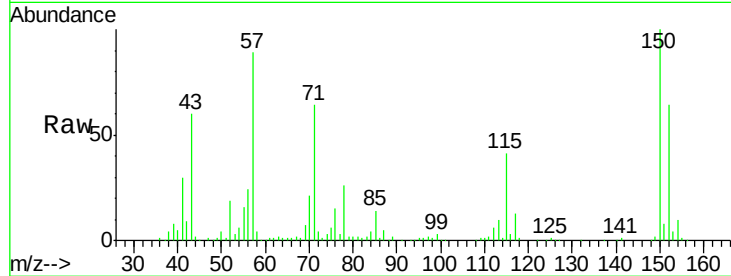


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :

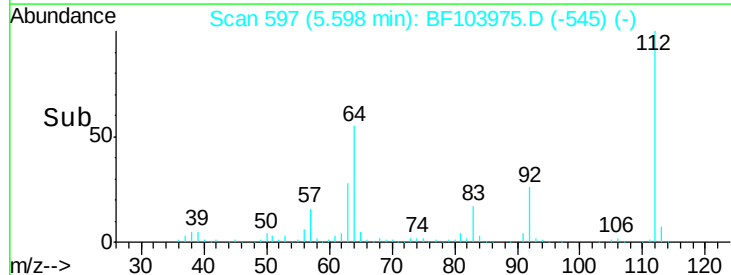
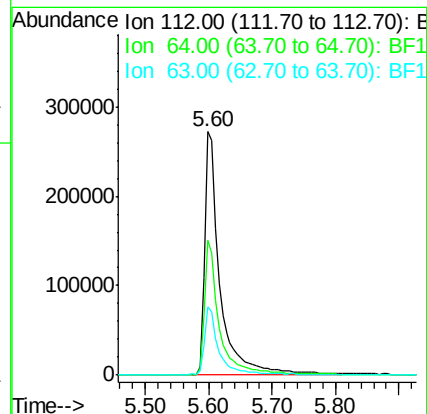
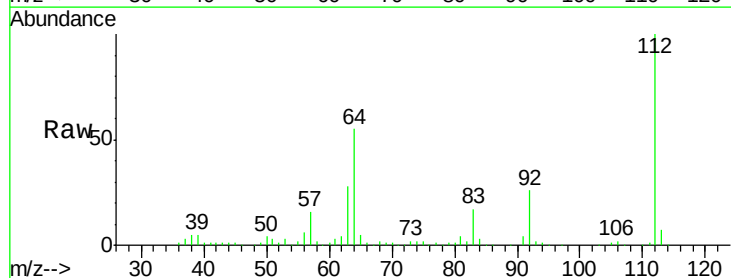
Tot Ion:152 Resp: 136682
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 63.1 50.1 75.1

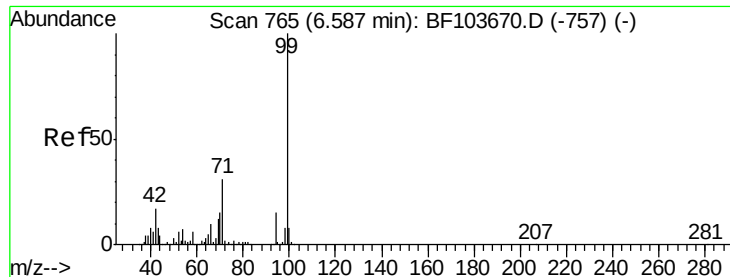


#5

2-Fluorophenol
Concen: 50.534 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:112 Resp: 454113
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 49.990 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

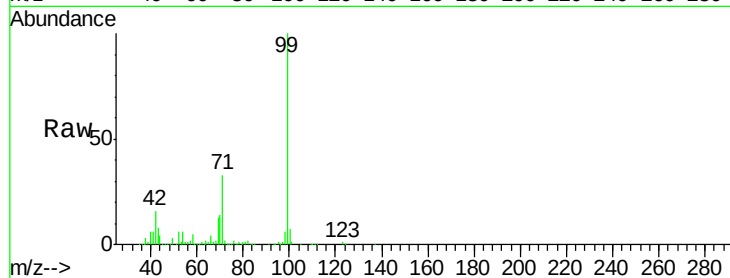
Tot Ion: 99 Resp: 549594

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

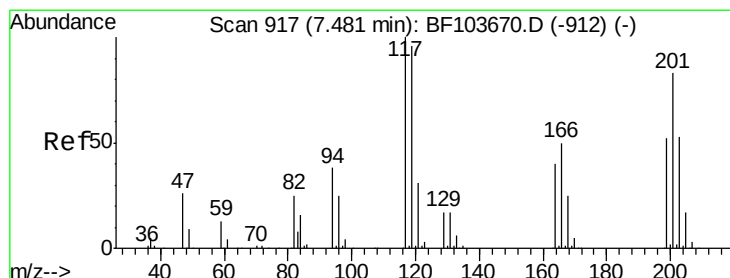
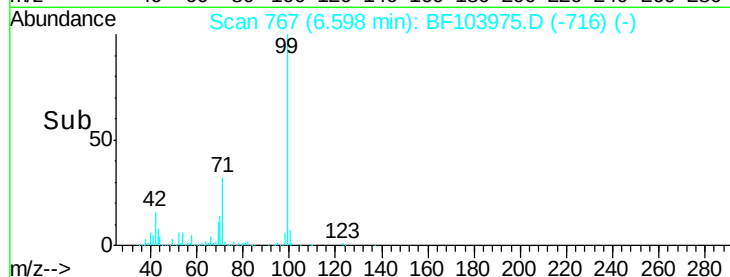
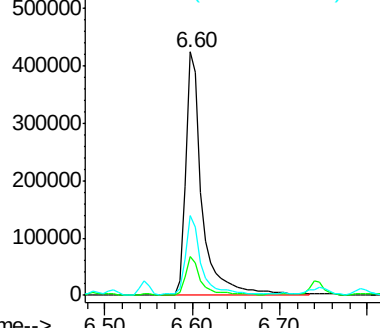
71 32.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 2.009 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

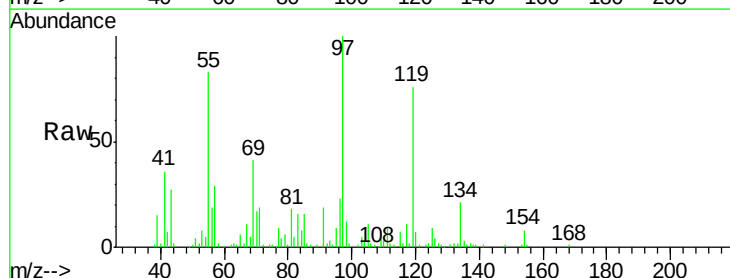
Tgt Ion: 117 Resp: 7615

Ion Ratio Lower Upper

117 100

119 669.4 75.8 113.8#

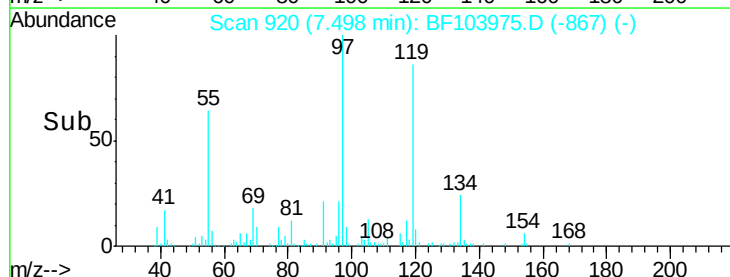
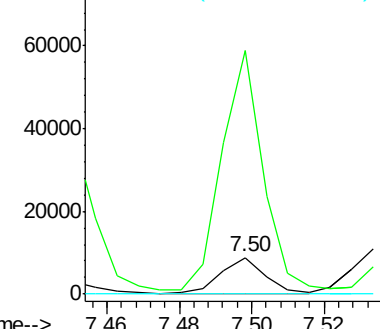
201 0.0 75.7 113.5#

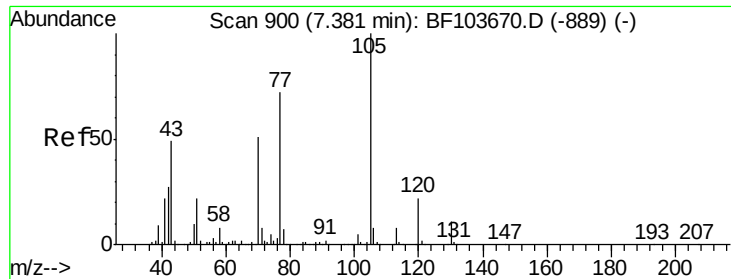


Abundance Ion 117.00 (116.70 to 117.70): E

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: 2.601 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 18324

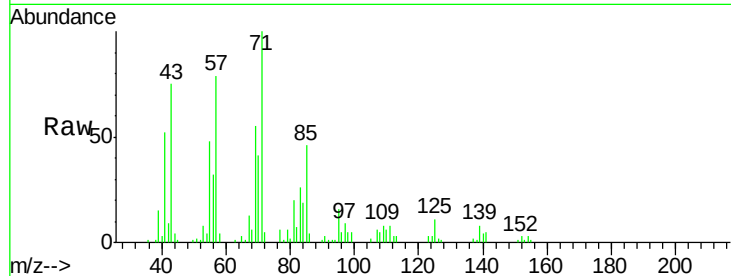
Ion Ratio Lower Upper

70 100

42 21.0 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

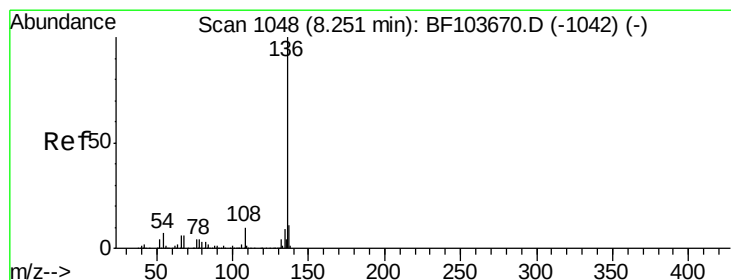
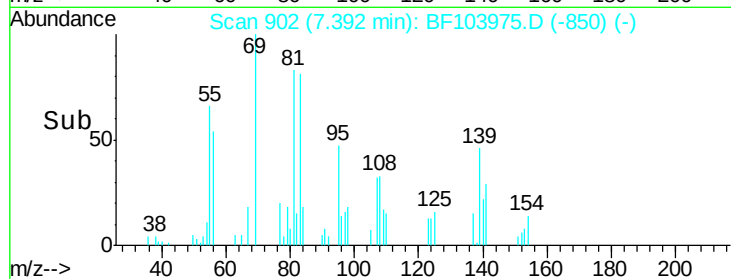
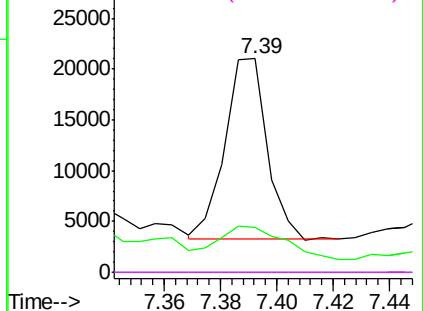


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Tgt Ion:136 Resp: 529006

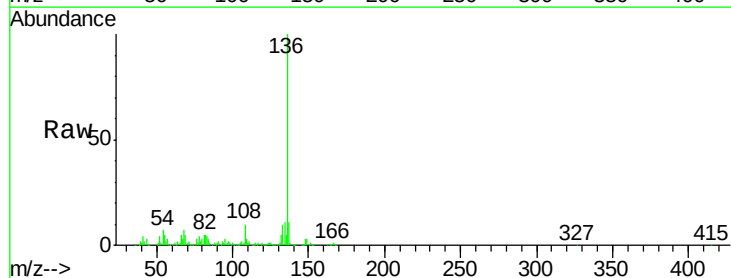
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.7 6.6 9.8

68 6.5 5.0 7.4

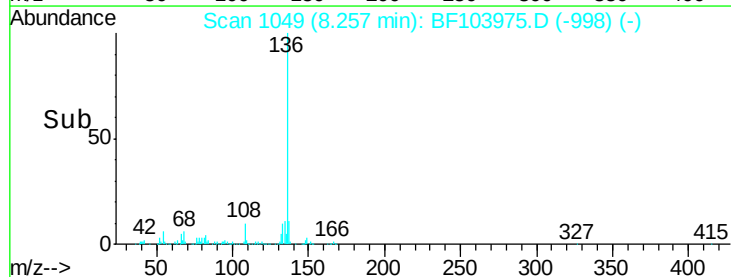
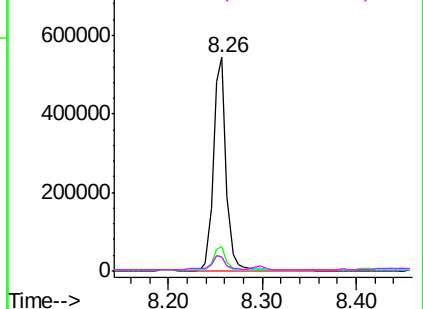


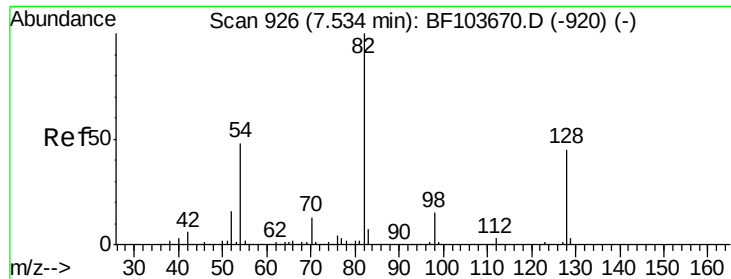
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

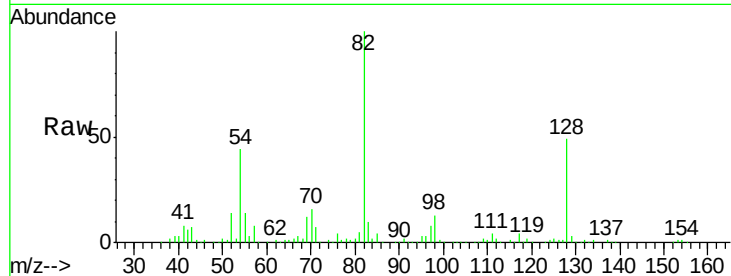




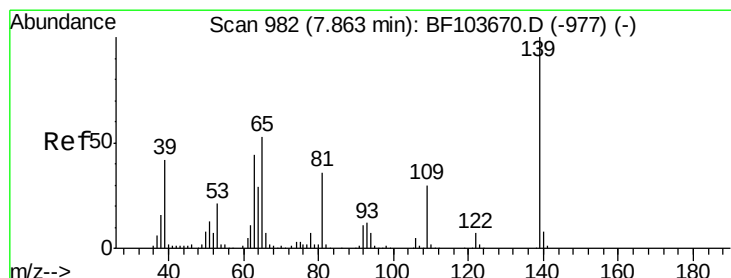
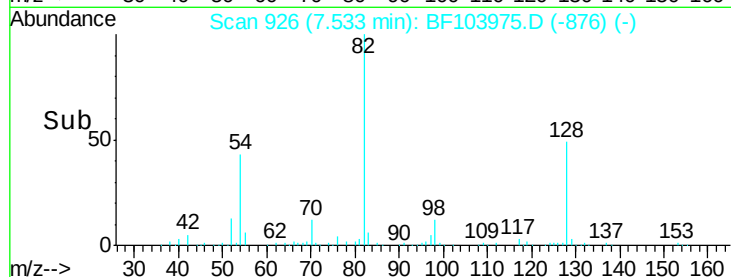
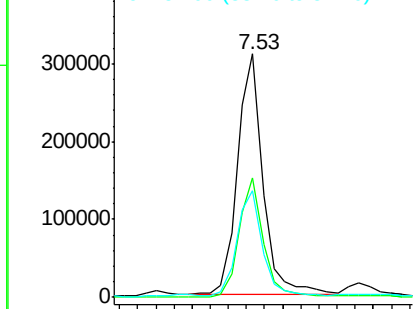
#23
 Nitrobenzene-d5
 Concen: 39.700 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	301157
Ion Ratio	Lower	Upper	
82	100		
128	48.9	36.1	54.1
54	43.6	41.4	62.2

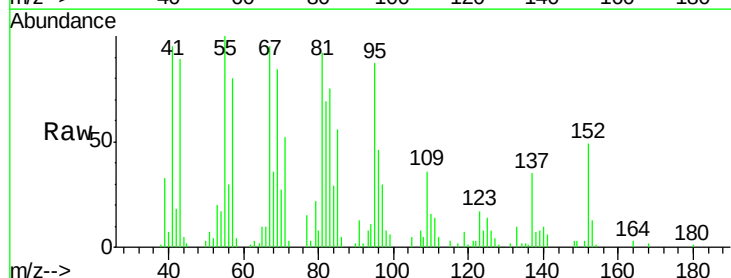


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

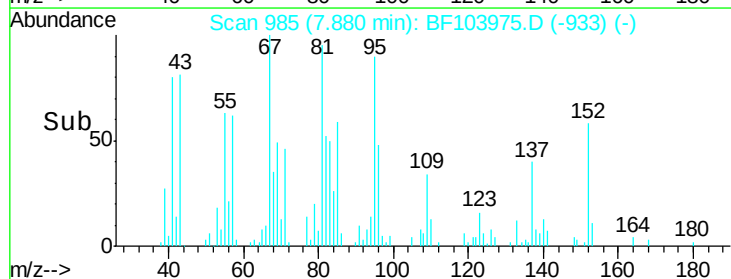
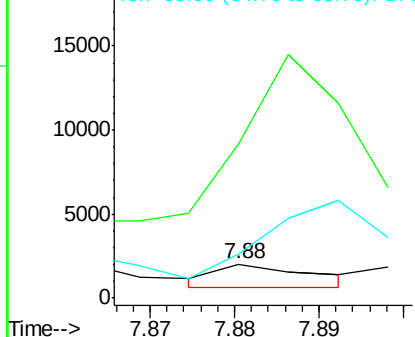


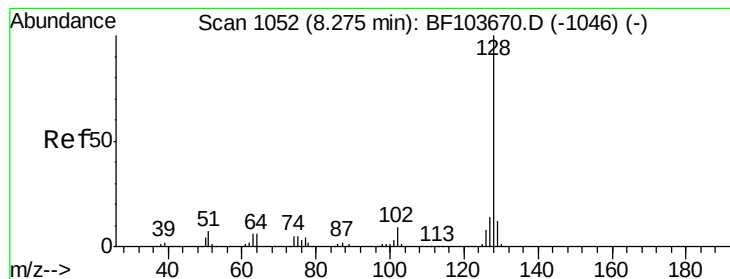
#26
 2-Nitrophenol
 Concen: 9.700 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	139	Resp	1070
Ion Ratio	Lower	Upper	
139	100		
109	452.2	22.7	34.1#
65	127.2	40.5	60.7#



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





#31

Naphthalene

Concen: 3.637 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampled :

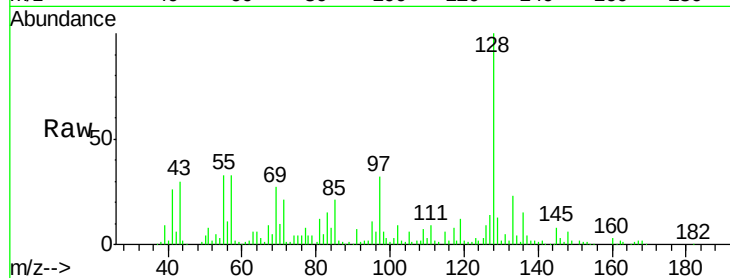
Tot Ion:128 Resp: 97192

Ion Ratio Lower Upper

128 100

129 12.9 8.8 13.2

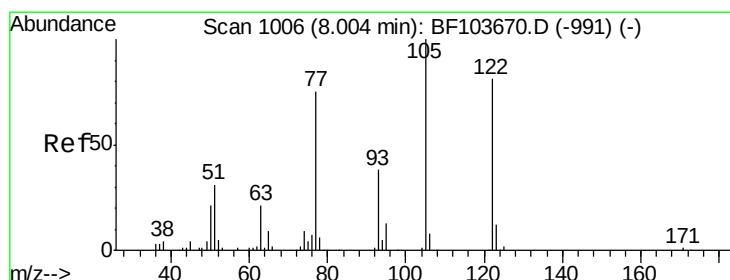
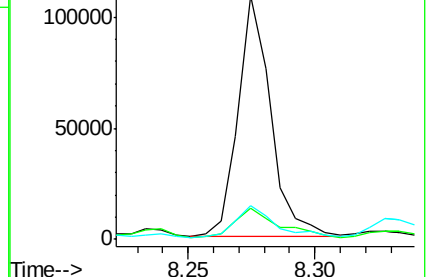
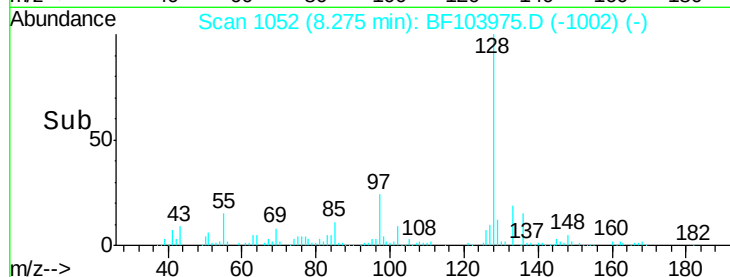
127 13.9 10.9 16.3



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: 9.949 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

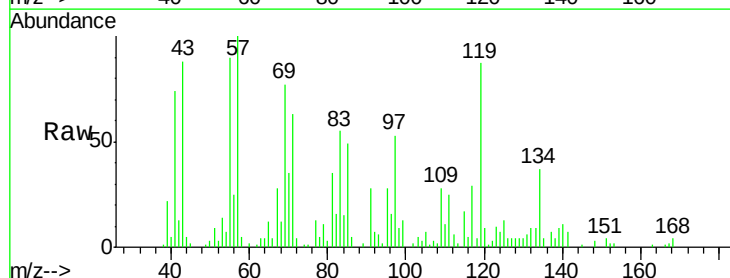
Tgt Ion:122 Resp: 295

Ion Ratio Lower Upper

122 100

105 289.6 101.1 141.1#

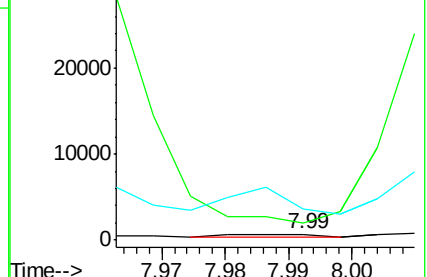
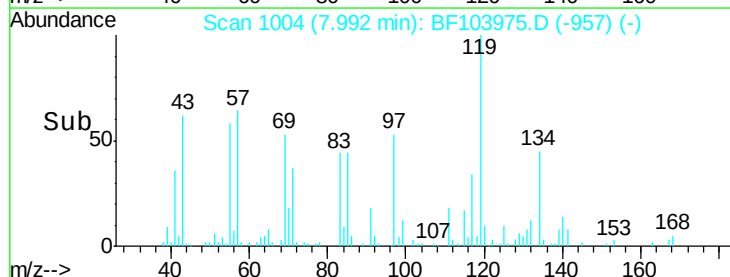
77 525.8 70.7 110.7#

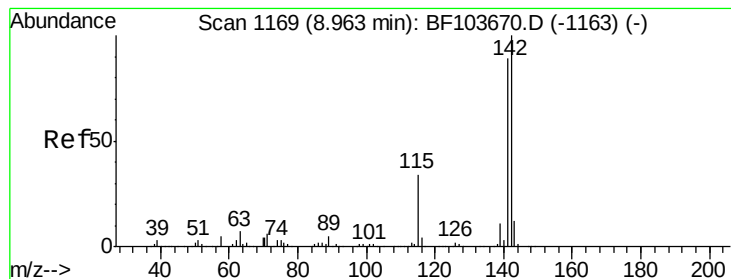


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

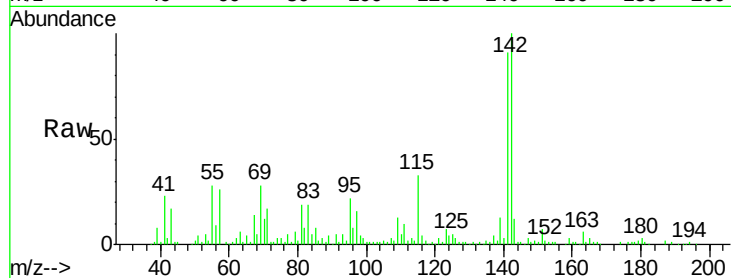




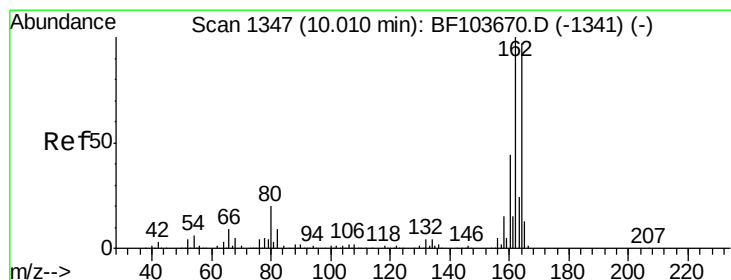
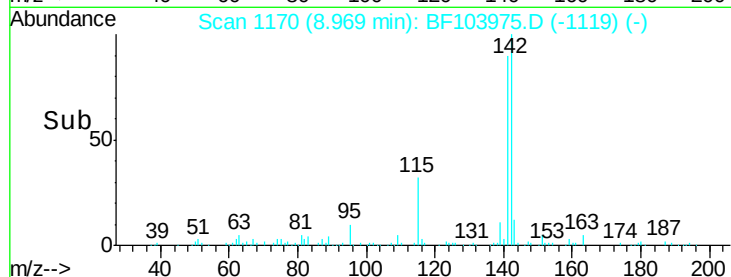
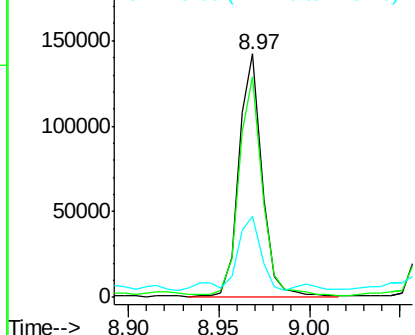
#37
 2-Methylnaphthalene
 Concen: 7.331 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2
115	33.3	26.1	39.1

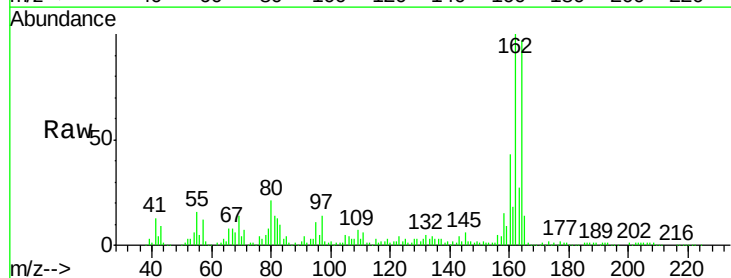


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

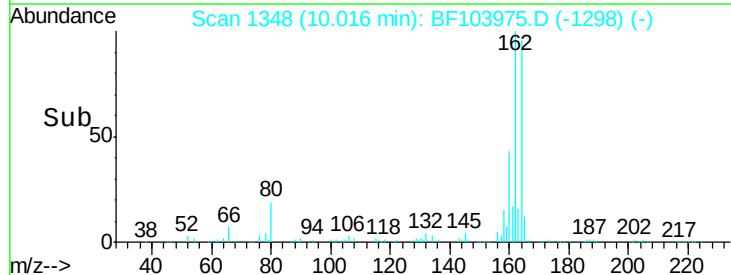
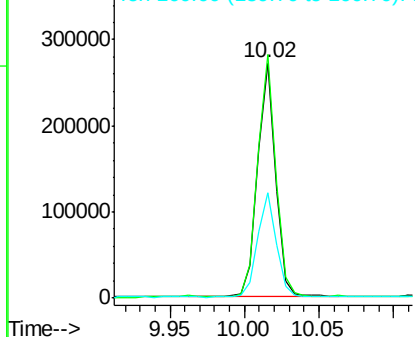


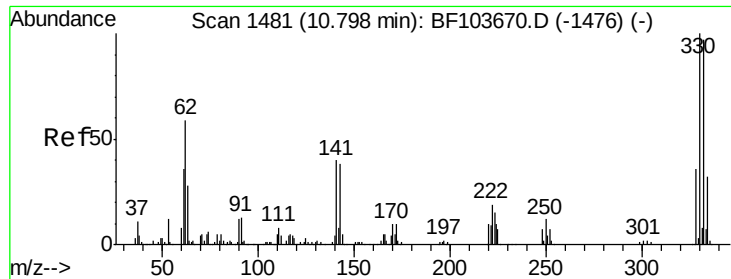
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.0	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

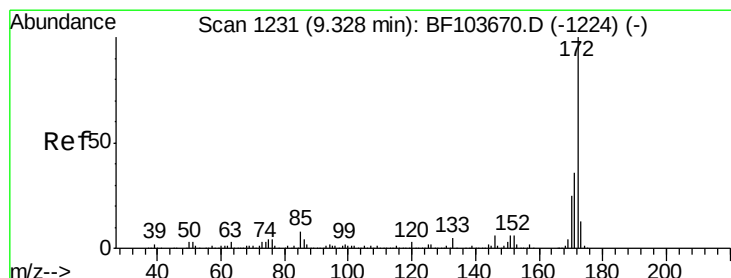
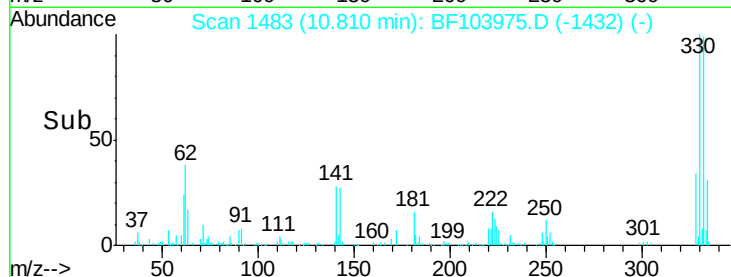
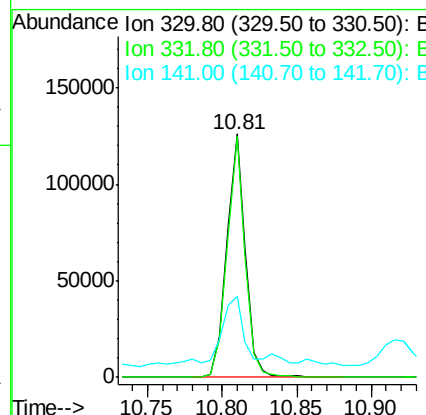
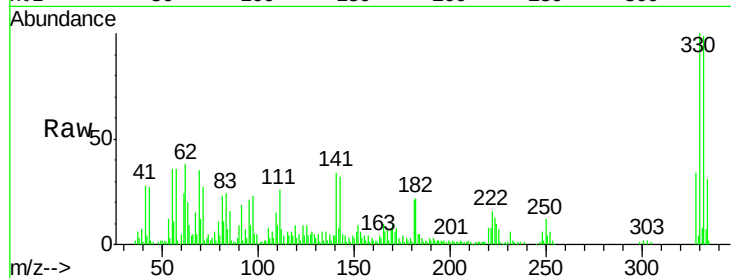




#41
 2,4,6-Tribromophenol
 Concen: 57.576 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

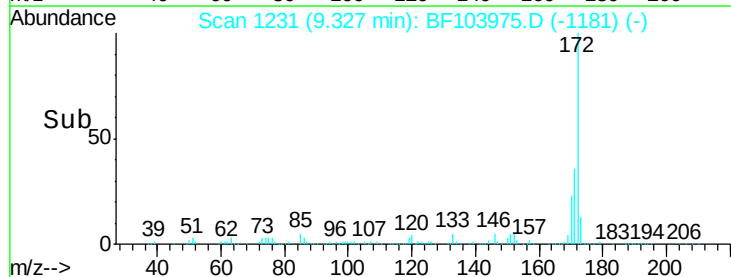
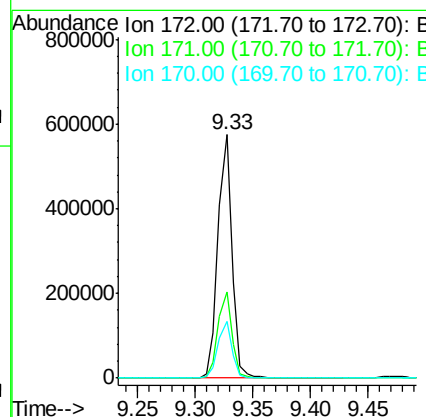
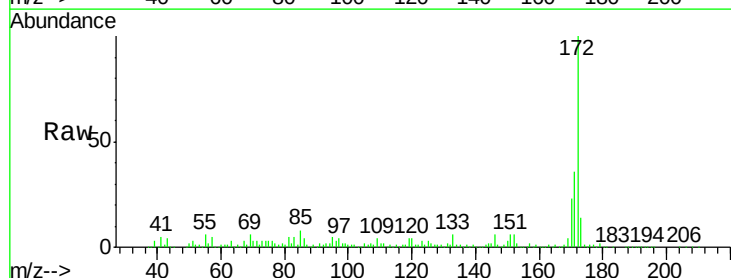
Instrument :
 BNA_F
 ClientSampleId :

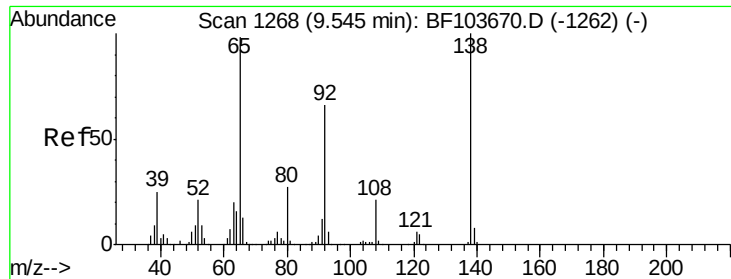
Tot Ion	330	Resp	111066
Ion Ratio	100	Lower	Upper
332	96.5	77.0	115.6
141	38.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 34.558 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion	172	Resp	486052
Ion Ratio	100	Lower	Upper
171	35.6	29.7	44.5
170	23.3	19.6	29.4





#47

2-Nitroaniline

Concen: 6.992 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

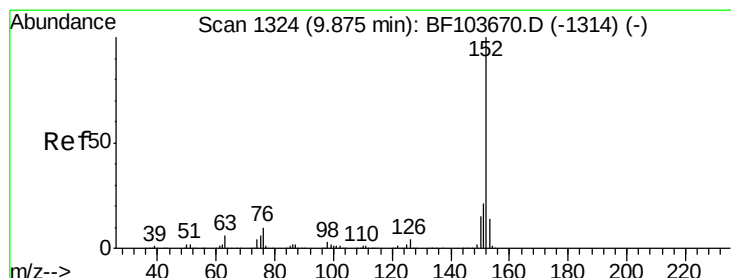
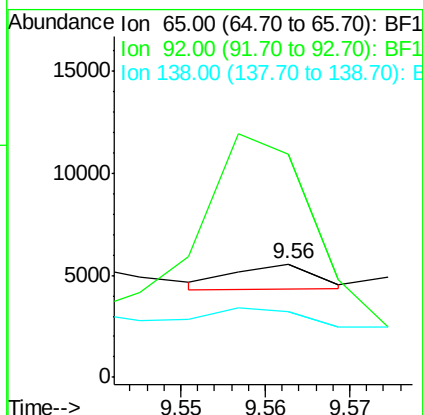
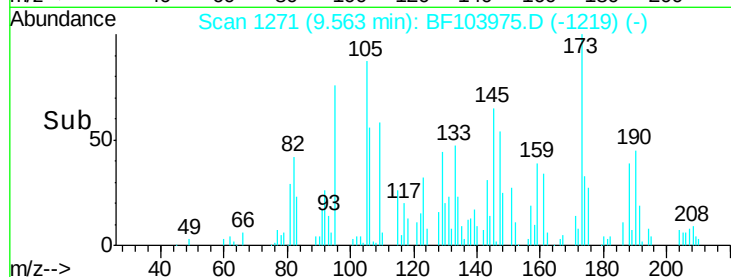
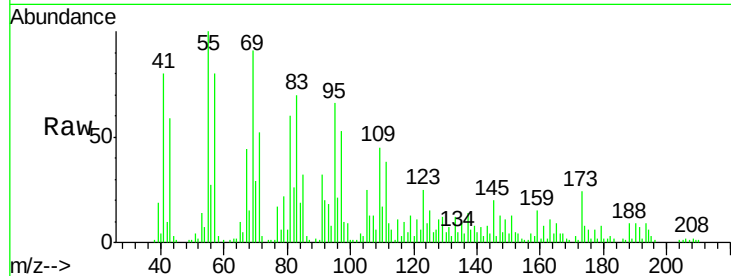
Tot Ion: 65 Resp: 805

Ion Ratio Lower Upper

65 100

92 197.1 55.8 83.6#

138 57.6 91.2 136.8#



#48

Acenaphthylene

Concen: 2.275 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

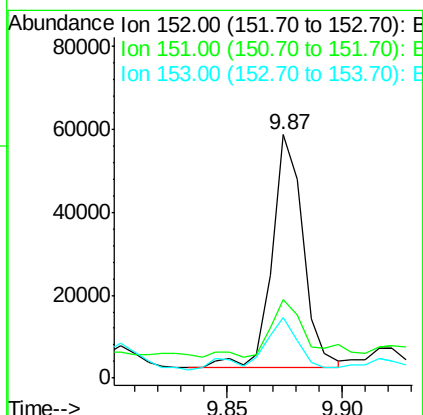
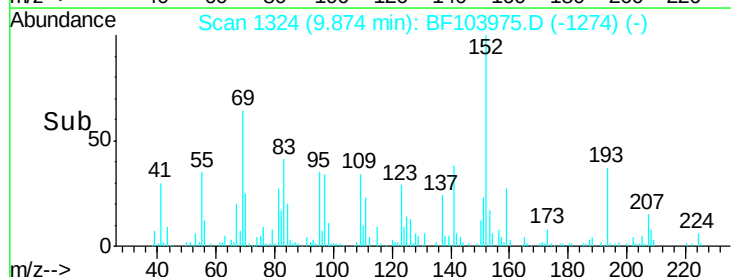
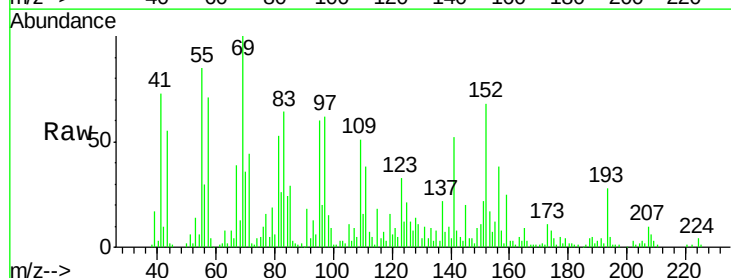
Tgt Ion: 152 Resp: 52425

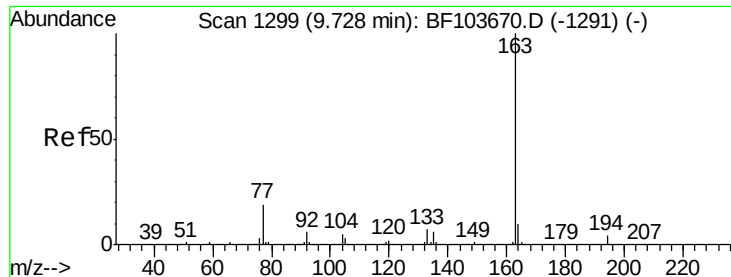
Ion Ratio Lower Upper

152 100

151 32.1 16.3 24.5#

153 24.8 10.7 16.1#

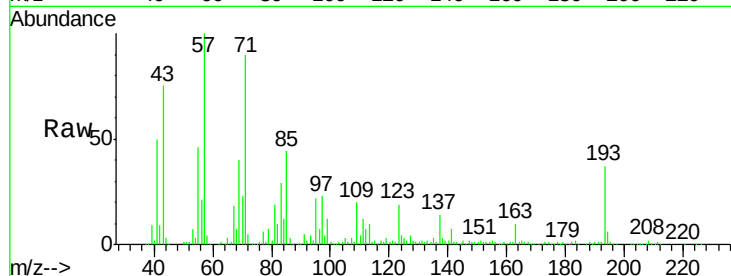




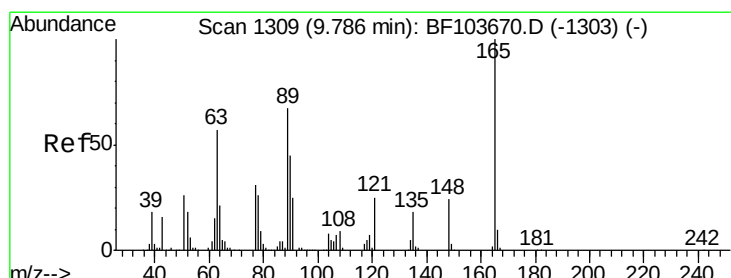
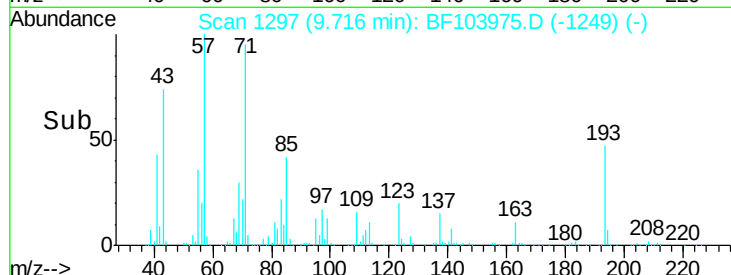
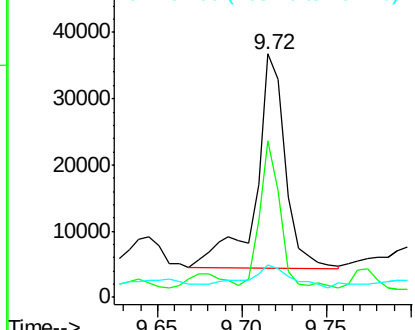
#49
Dimethylphthalate
Concen: 2.293 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 39250
Ion Ratio Lower Upper
163 100
194 64.3 2.7 4.1#
164 13.4 8.2 12.2#

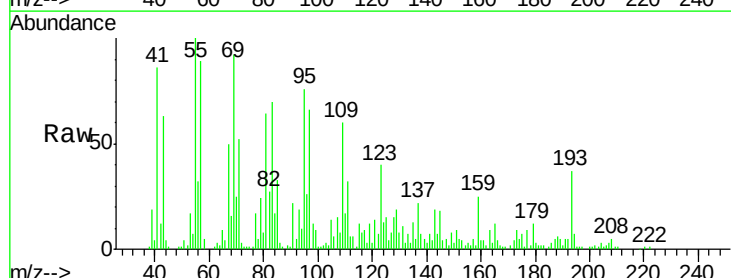


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

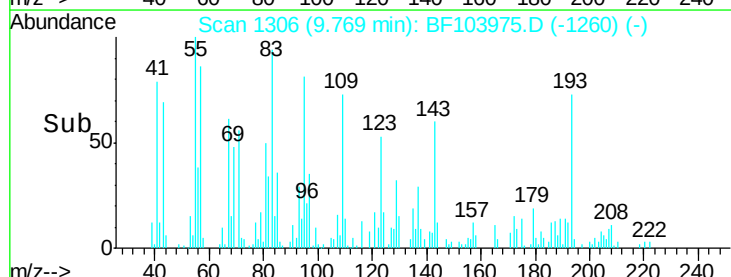
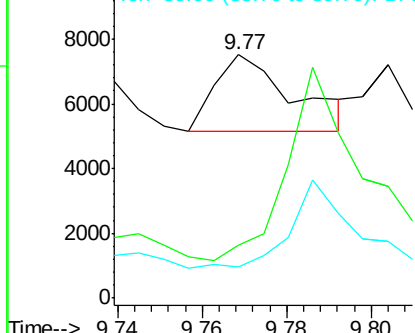


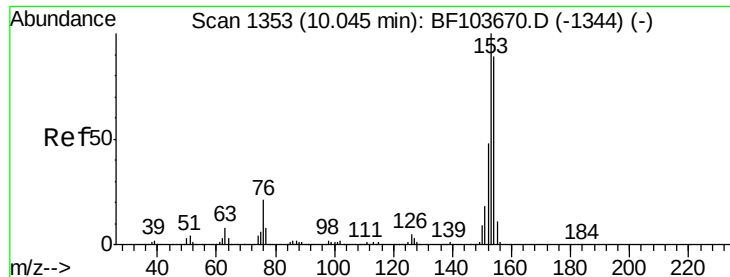
#50
2,6-Dinitrotoluene
Concen: 4.826 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:165 Resp: 3042
Ion Ratio Lower Upper
165 100
63 21.5 44.7 67.1#
89 12.9 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: 5.547 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

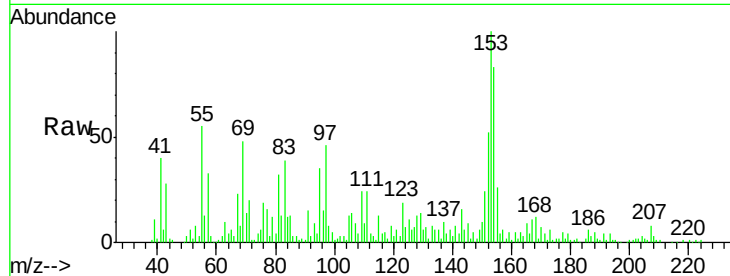
Tot Ion:154 Resp: 75887

Ion Ratio Lower Upper

154 100

153 120.9 91.2 136.8

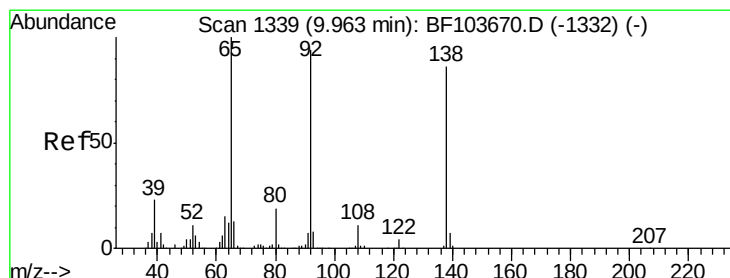
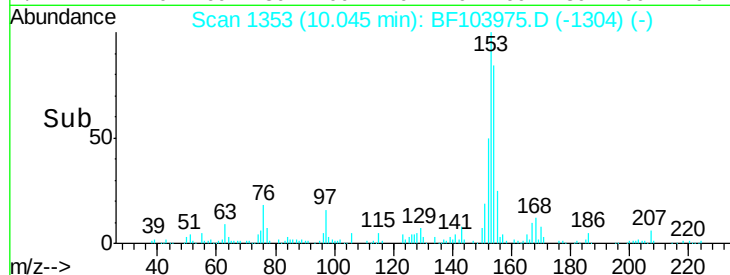
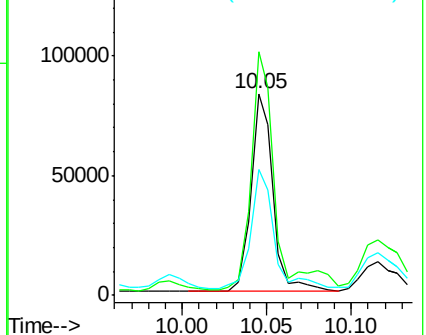
152 62.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.278 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

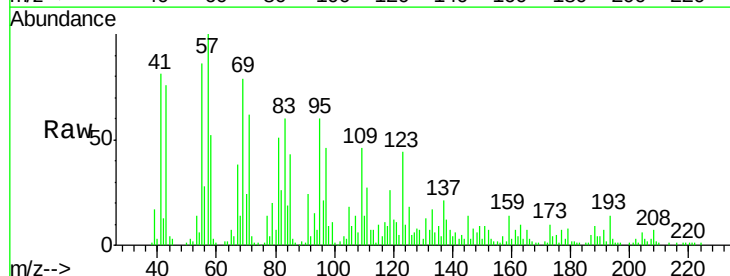
Tgt Ion:138 Resp: 6308

Ion Ratio Lower Upper

138 100

108 53.2 9.4 14.0#

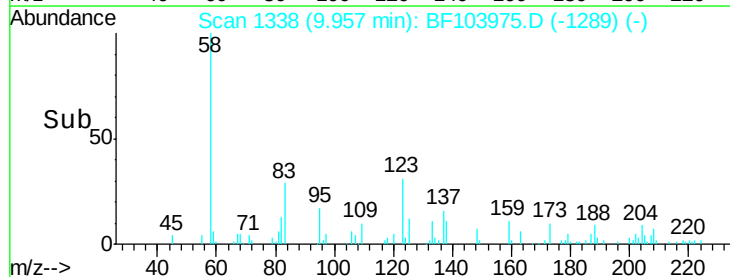
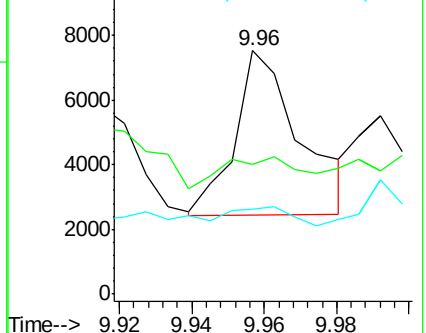
92 35.0 89.4 134.2#

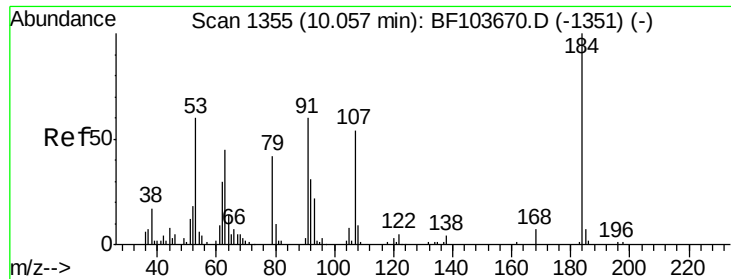


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

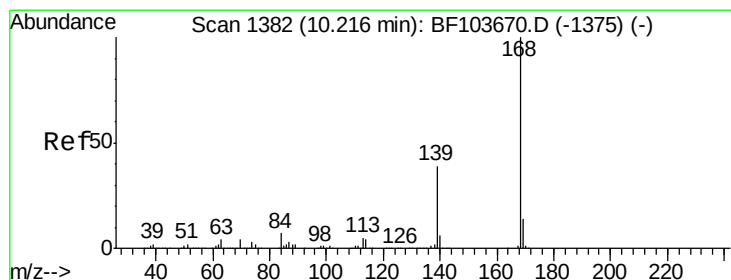
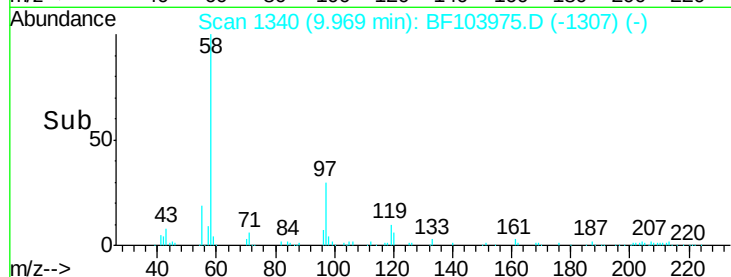
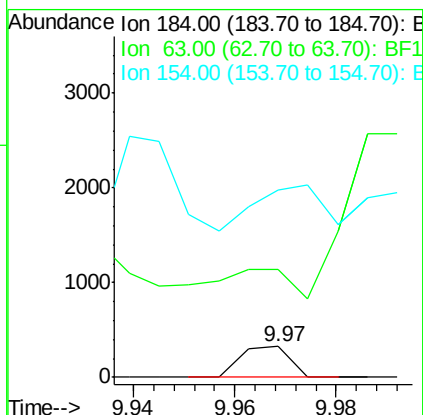
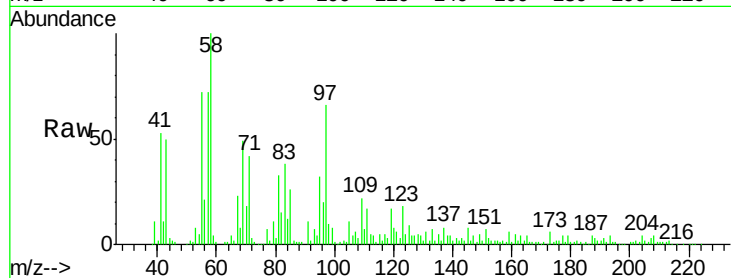




#53
2,4-Dinitrophenol
Concen: 6.798 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.11 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

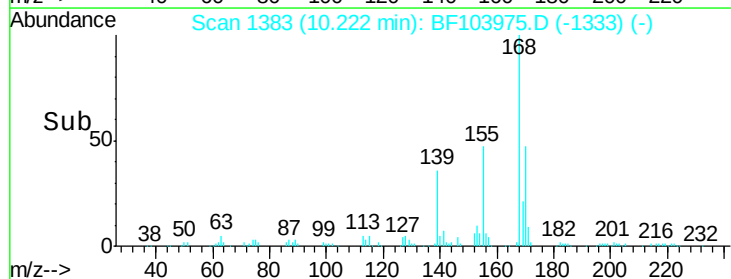
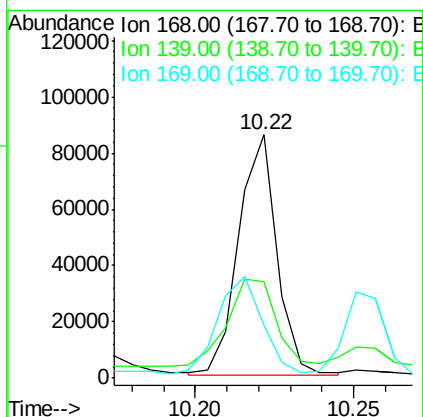
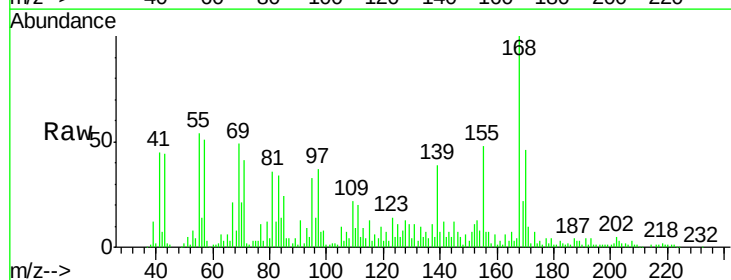
Instrument :
BNA_F
ClientSampleId :

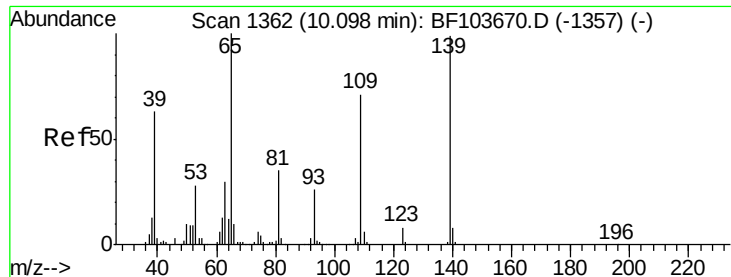
Tot Ion:184 Resp: 221
Ion Ratio Lower Upper
184 100
63 349.8 54.2 81.2#
154 608.0 184.0 276.0#



#54
Dibenzofuran
Concen: 3.639 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:168 Resp: 71103
Ion Ratio Lower Upper
168 100
139 39.3 30.1 45.1
169 21.7 10.9 16.3#

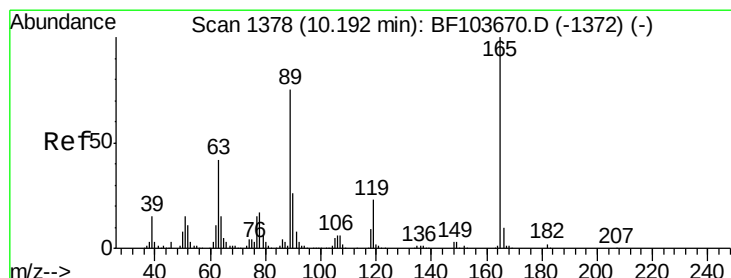
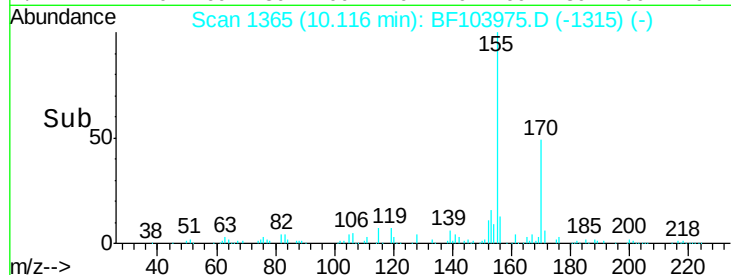
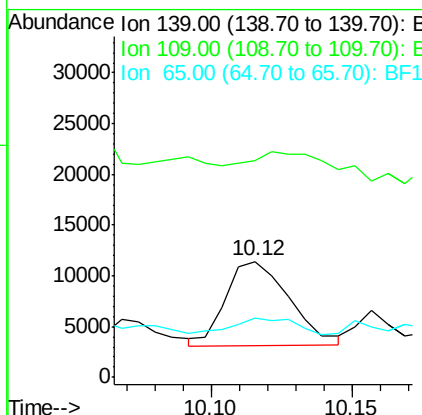
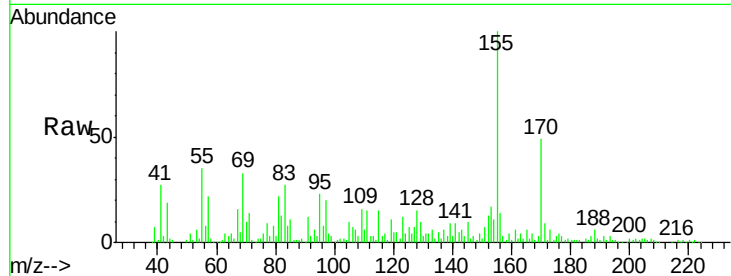




#55
4-Nitrophenol
Concen: 8.864 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

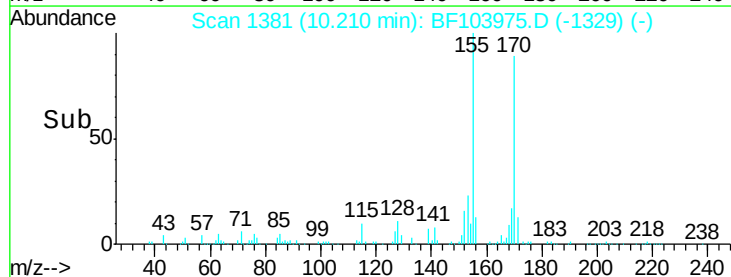
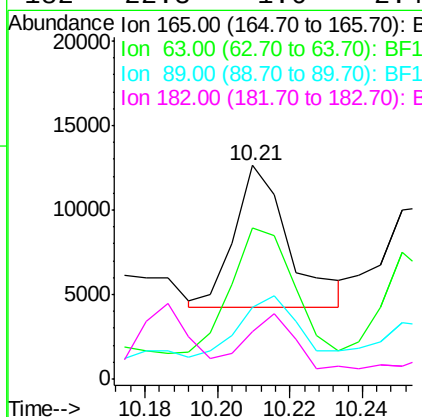
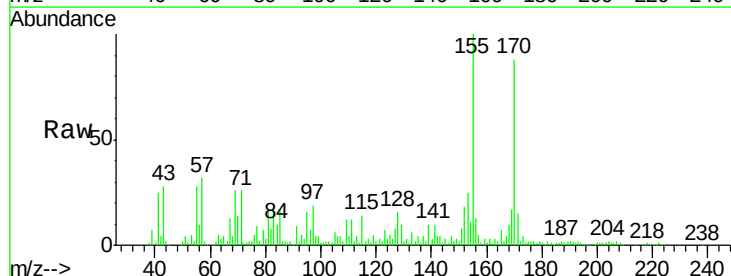
Instrument :
BNA_F
ClientSampled :

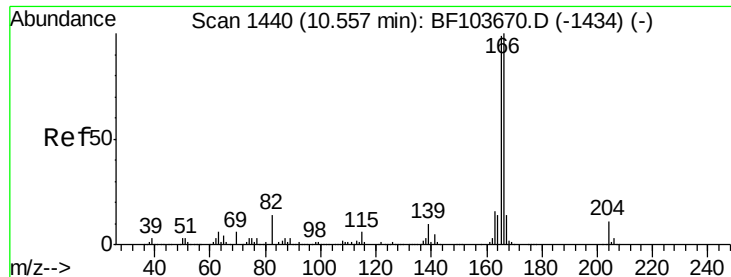
Tot Ion:139 Resp: 13013
Ion Ratio Lower Upper
139 100
109 186.9 48.4 88.4#
65 51.2 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 8.036 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:165 Resp: 8781
Ion Ratio Lower Upper
165 100
63 70.6 36.4 54.6#
89 33.7 57.8 86.6#
182 22.3 1.6 2.4#





#57

Fluorene

Concen: 7.647 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

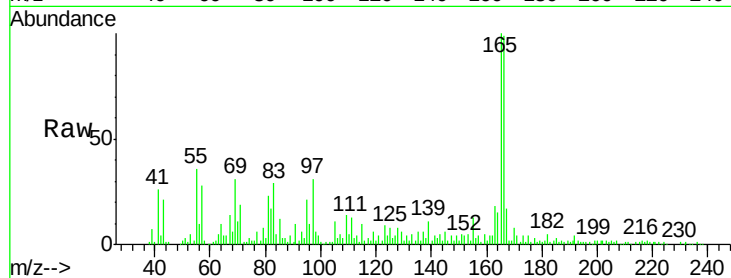
Tot Ion:166 Resp: 115944

Ion Ratio Lower Upper

166 100

165 101.4 79.8 119.8

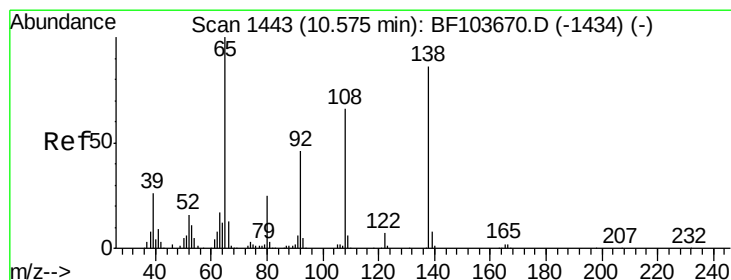
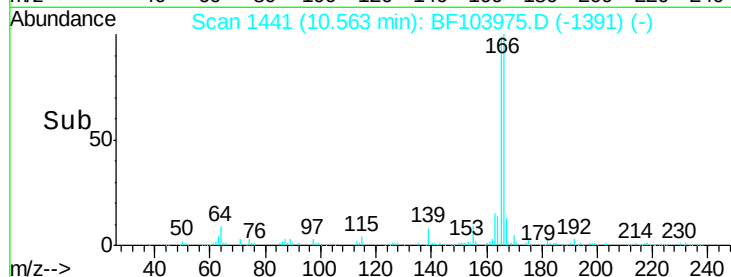
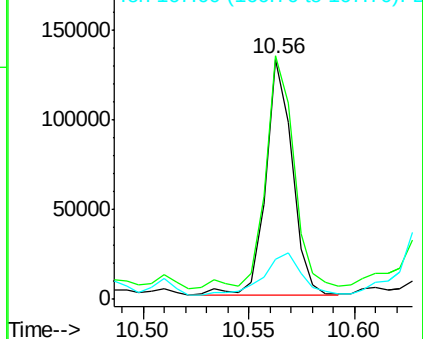
167 17.0 10.6 16.0#



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



#61

4-Nitroaniline

Concen: 5.230 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.12 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

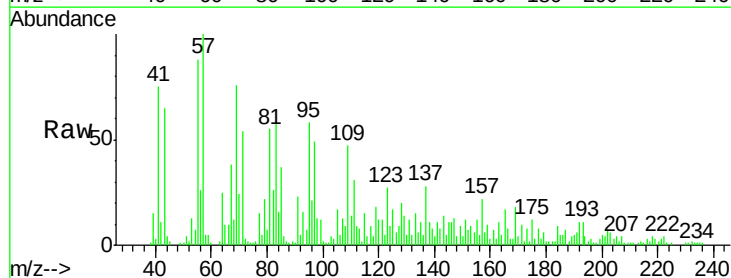
Tgt Ion:138 Resp: 6136

Ion Ratio Lower Upper

138 100

92 40.4 30.2 70.2

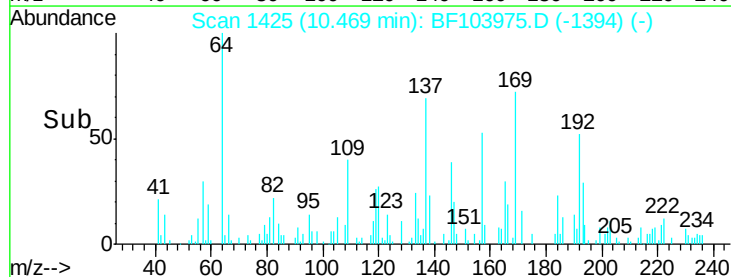
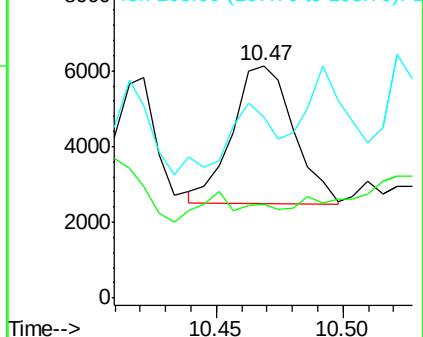
108 77.9 52.5 92.5

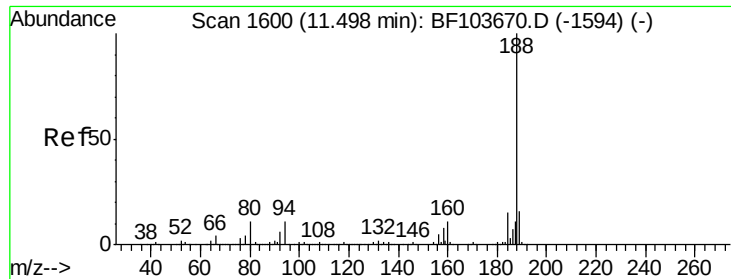


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

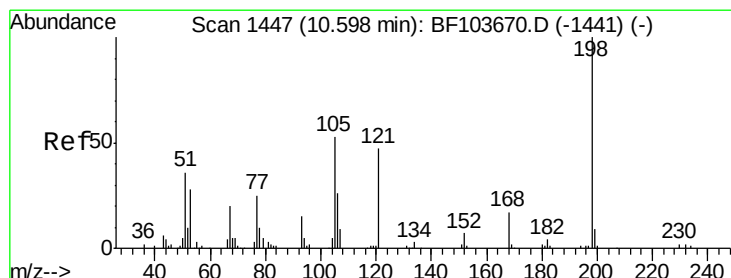
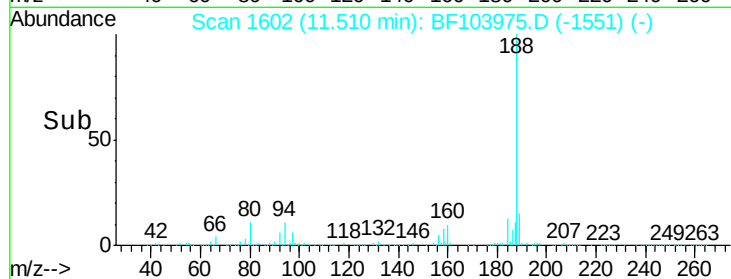
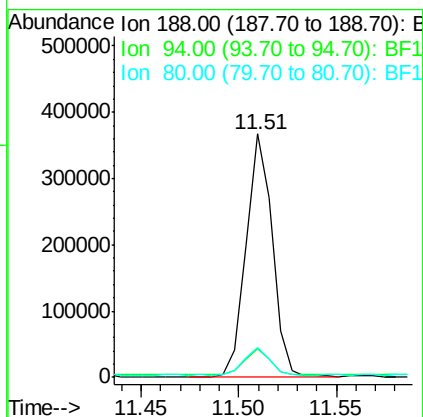
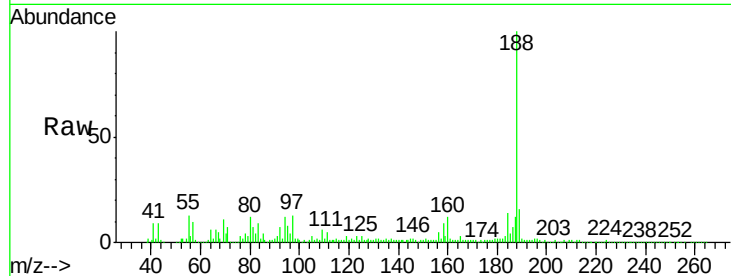




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

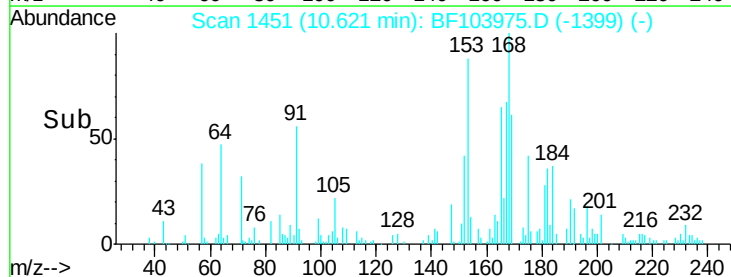
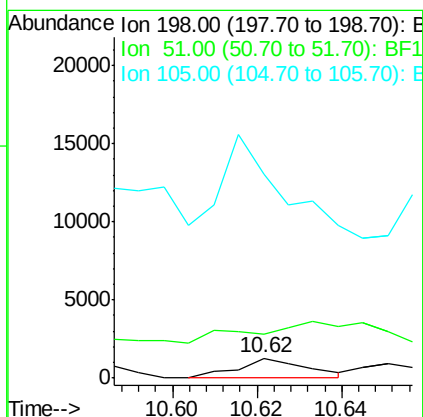
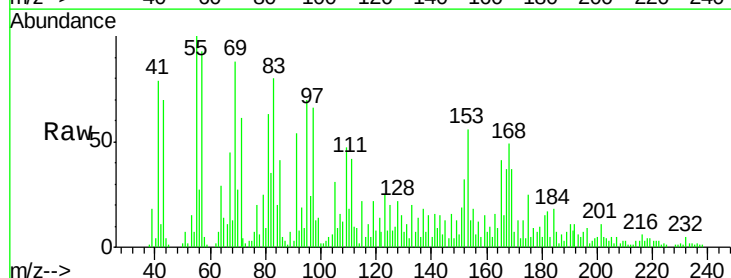
Instrument :
BNA_F
ClientSampleId :

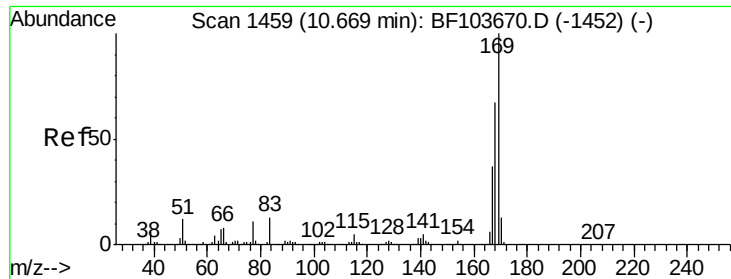
Tot Ion:188 Resp: 339731
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.397 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:198 Resp: 1458
Ion Ratio Lower Upper
198 100
51 219.8 37.7 77.7#
105 1022.4 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 5.864 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

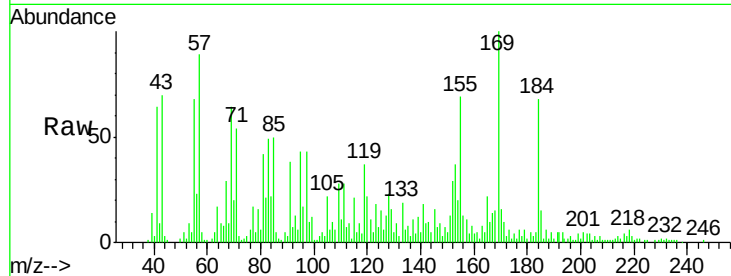
Tot Ion:169 Resp: 67808

Ion Ratio Lower Upper

169 100

168 14.9 54.4 81.6#

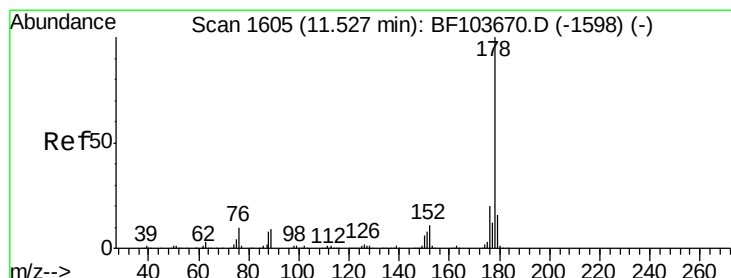
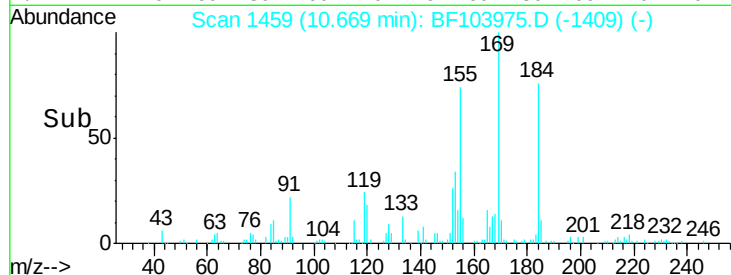
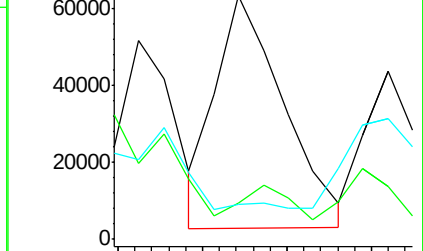
167 14.3 29.8 44.6#



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



#70

Phenanthrene

Concen: 52.228 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

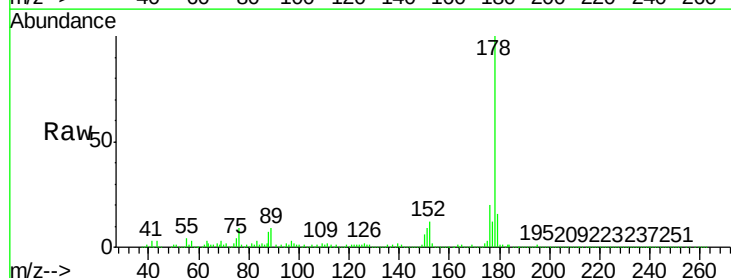
Tgt Ion:178 Resp: 970611

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

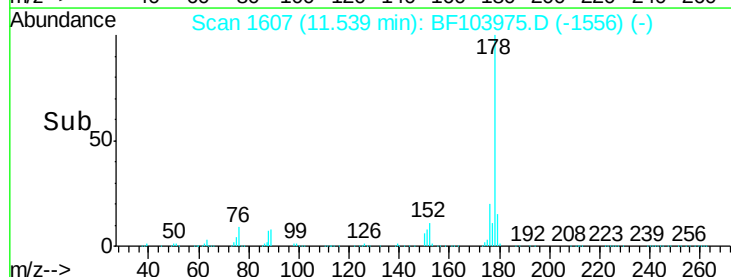
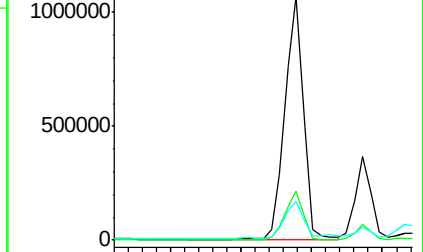
179 16.0 13.0 19.6

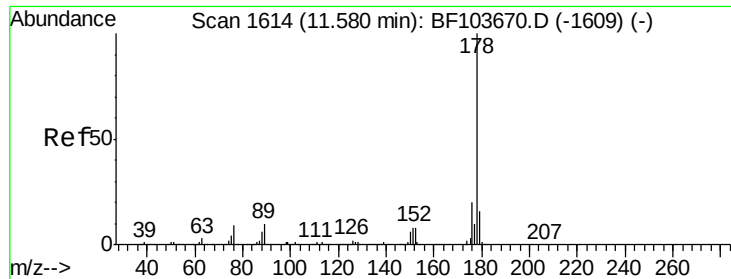


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

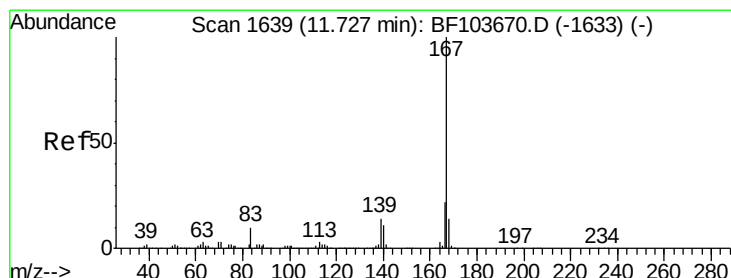
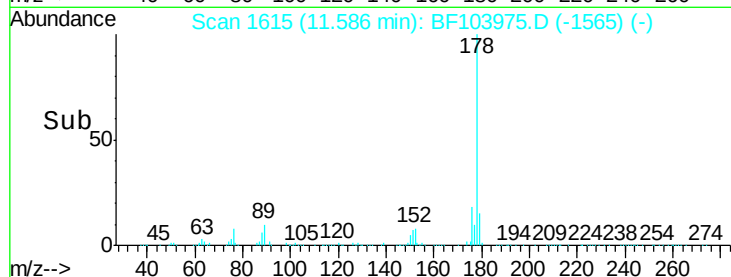
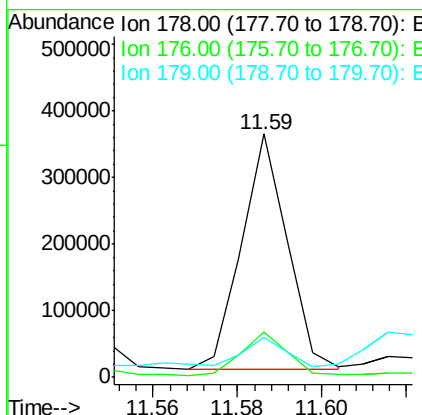
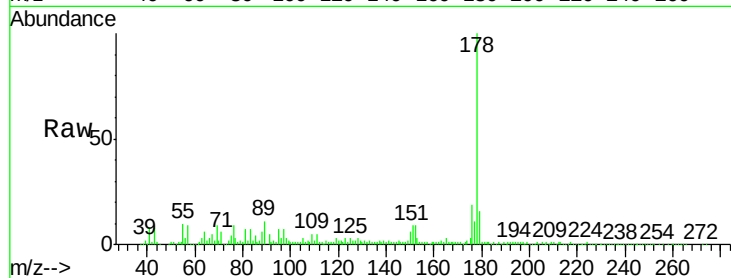




#71
 Anthracene
 Concen: 14.044 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

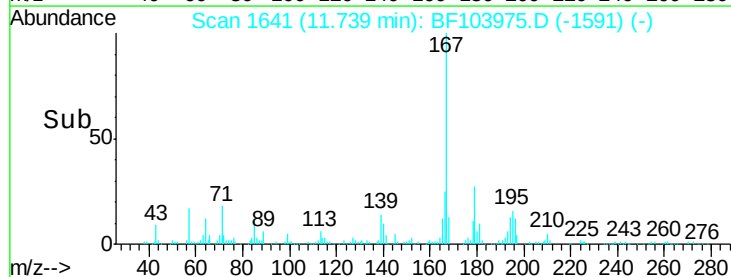
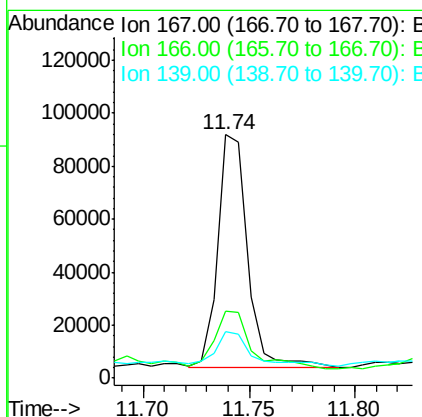
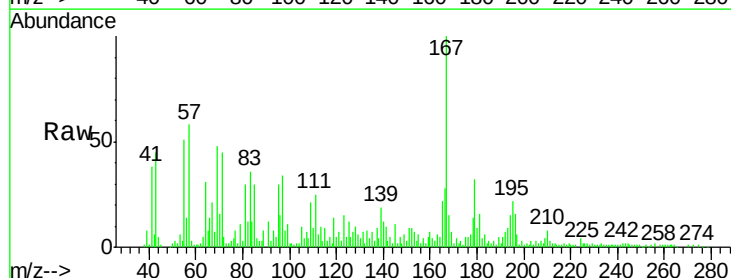
Instrument :
 BNA_F
 ClientSampled :

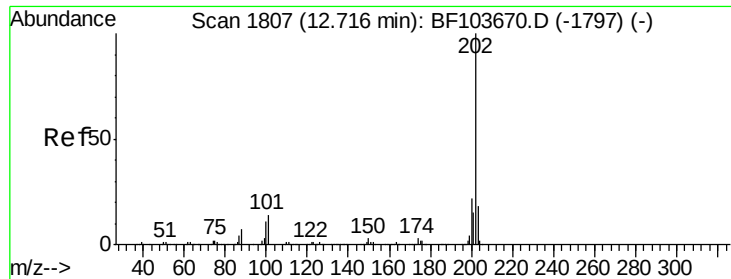
Tot Ion:178 Resp: 265074
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.3 12.6 19.0



#72
 Carbazole
 Concen: 4.685 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion:167 Resp: 85955
 Ion Ratio Lower Upper
 167 100
 166 27.7 17.6 26.4#
 139 19.0 10.9 16.3#





#74

Fluoranthene

Concen: 68.933 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

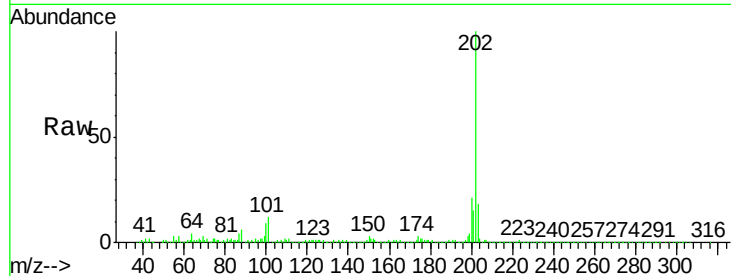
Tot Ion:202 Resp: 1319772

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

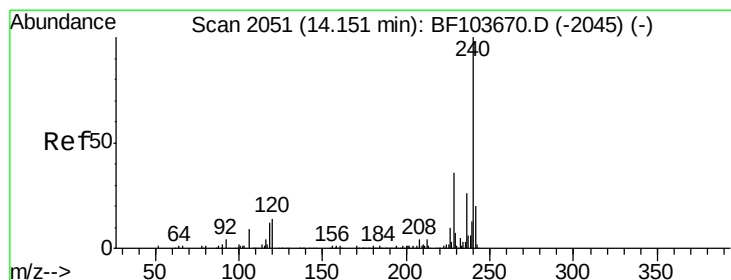
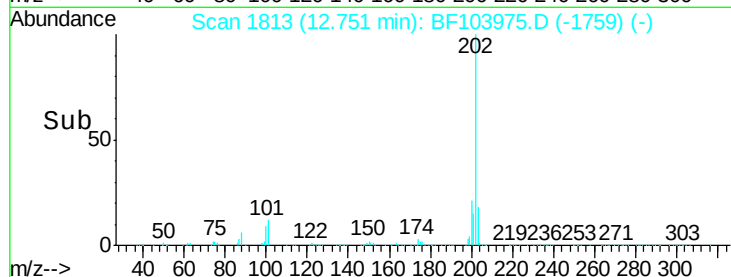
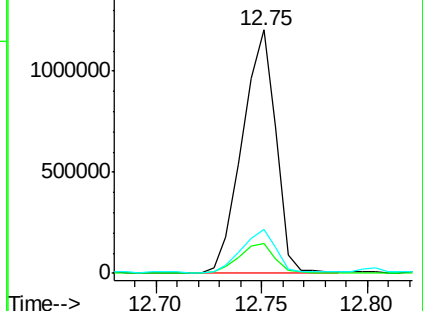
203 18.0 0.0 38.1



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: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

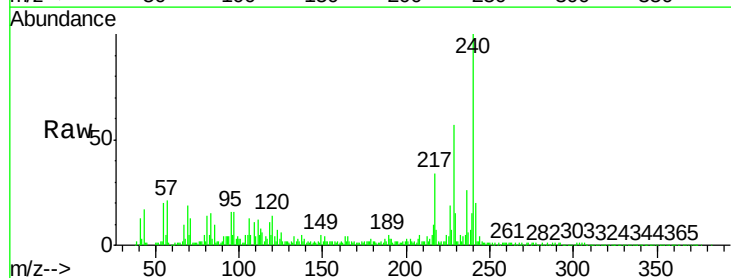
Tgt Ion:240 Resp: 225341

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

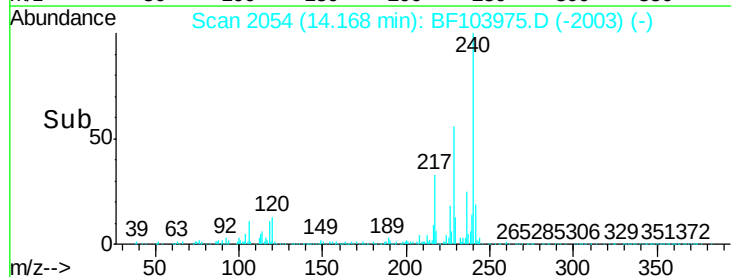
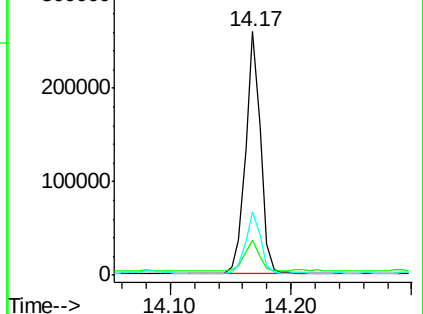
236 25.7 20.7 31.1

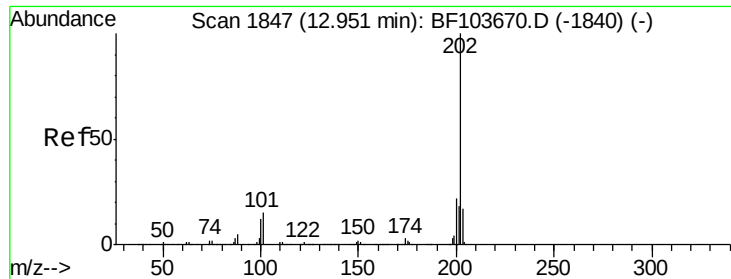


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

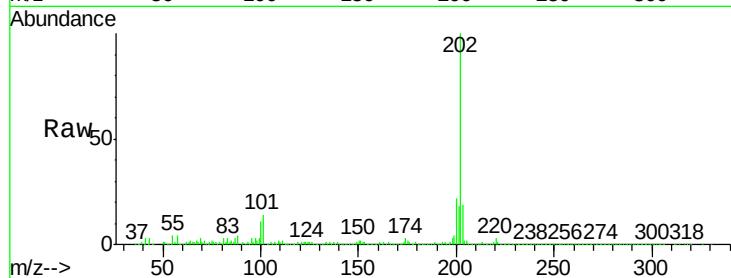




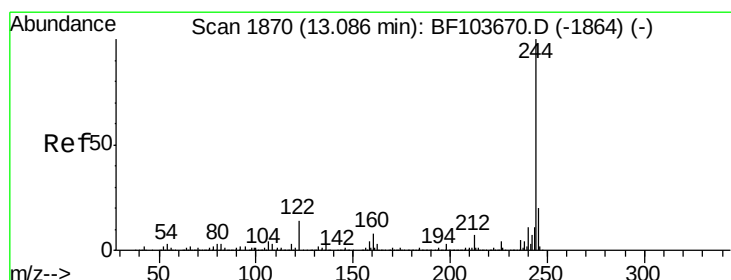
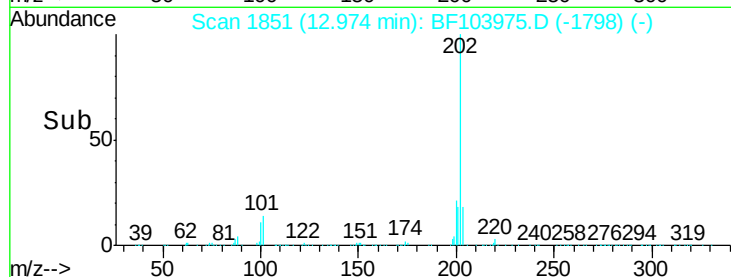
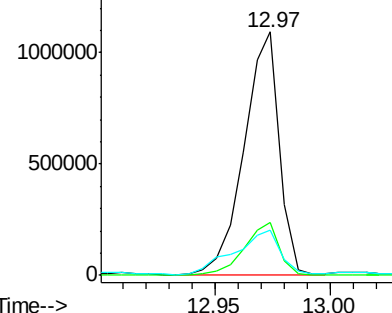
#77
Pvrene
Concen: 69.699 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 1153446
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.5 14.3 21.5

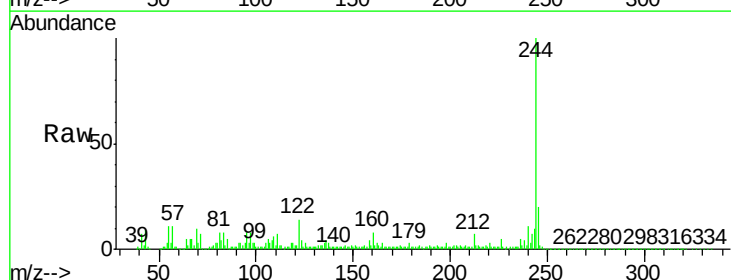


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

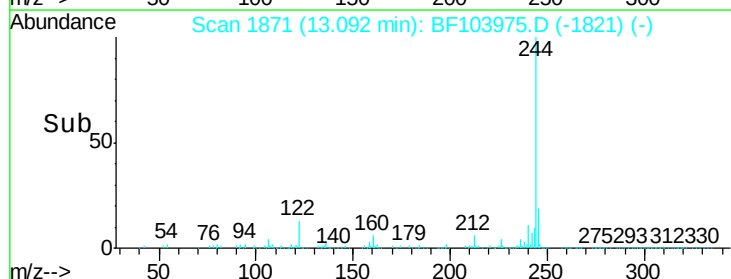
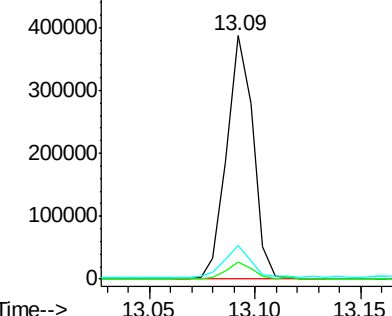


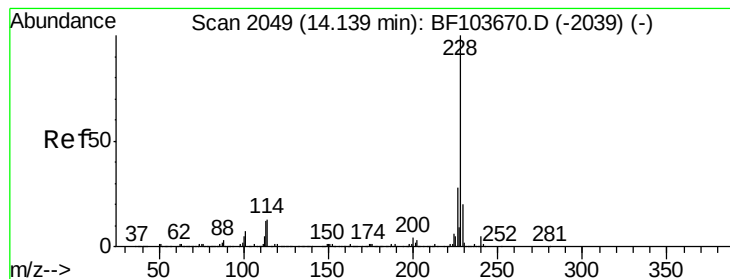
#78
Terphenyl-d14
Concen: 34.282 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion:244 Resp: 332819
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 13.9 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





#80

Benzo(a)anthracene

Concen: 43.776 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

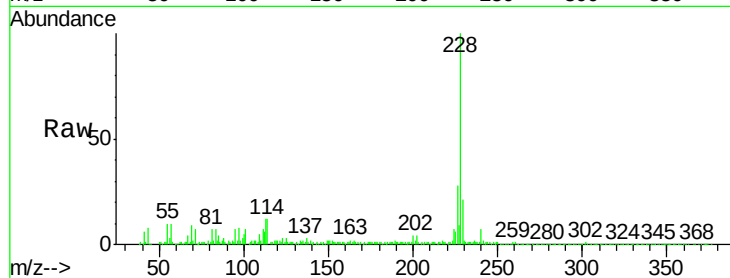
Tot Ion:228 Resp: 624420

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

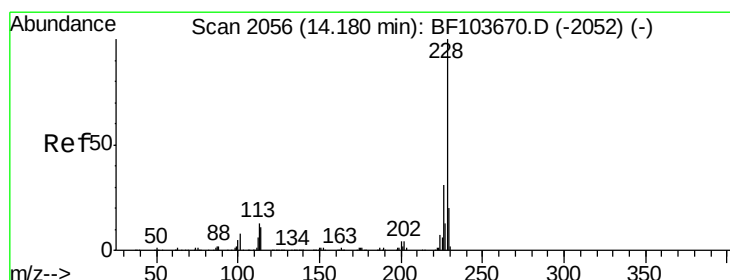
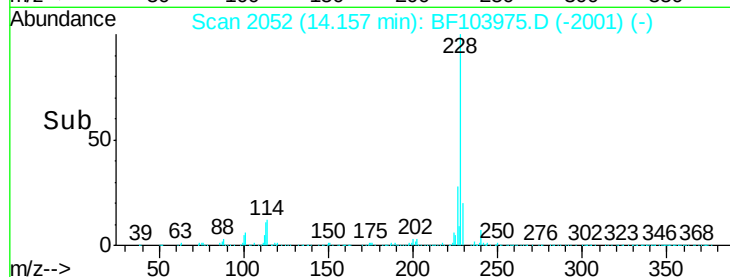
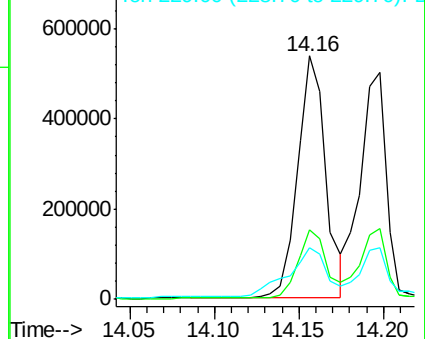
229 21.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 39.550 ng

RT: 14.20 min Scan# 2059

Delta R.T. -0.00 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

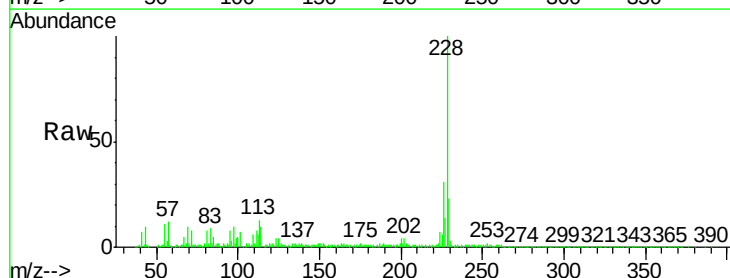
Tgt Ion:228 Resp: 537765

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

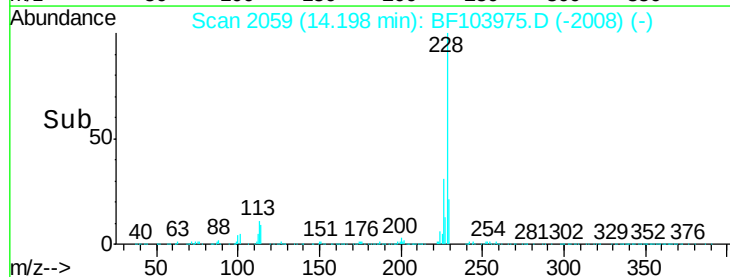
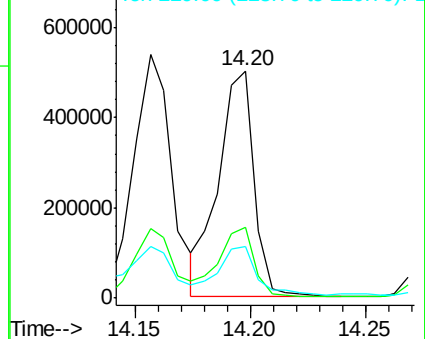
229 22.8 16.2 24.4

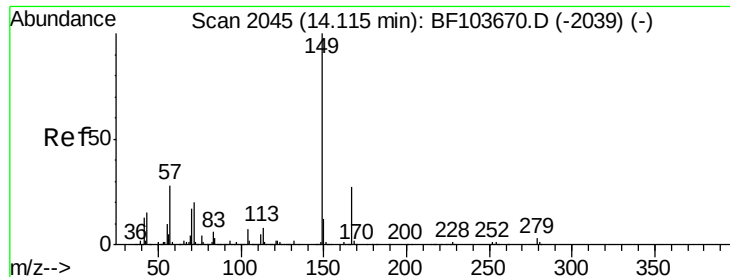


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

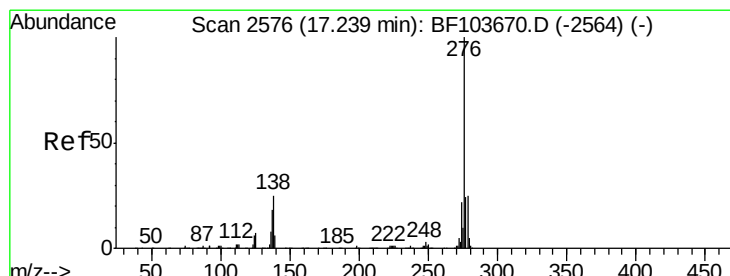
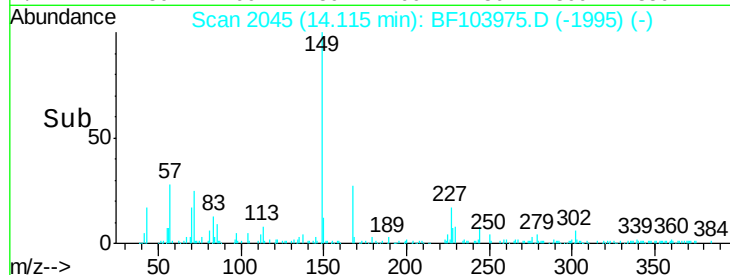
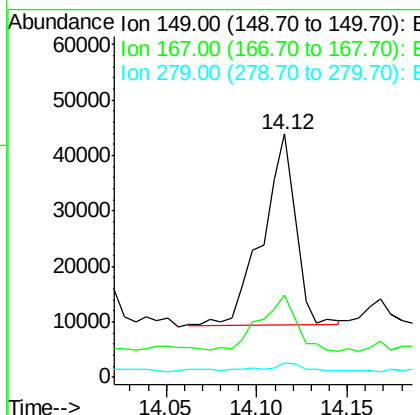
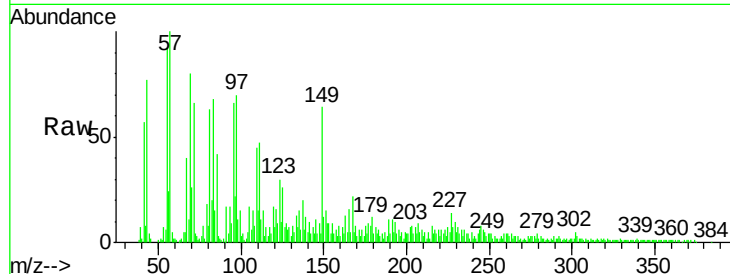




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.175 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

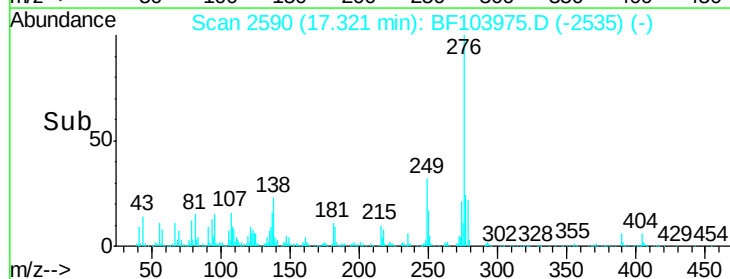
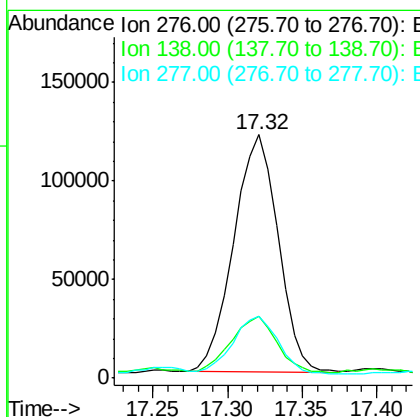
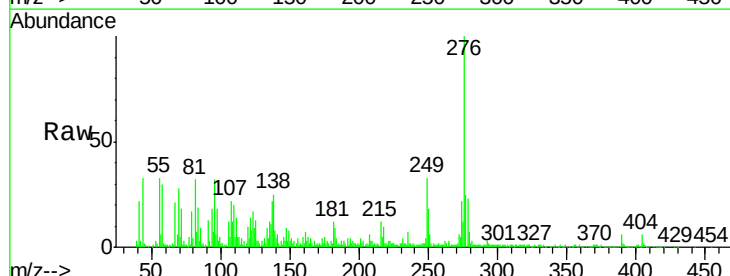
Instrument :
 BNA_F
 ClientSampled :

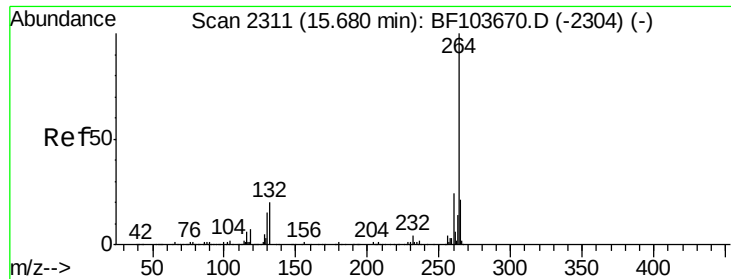
Tot Ion:149 Resp: 43732
 Ion Ratio Lower Upper
 149 100
 167 33.8 21.3 31.9#
 279 6.0 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.946 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. 0.02 min
 Lab File: BF103975.D
 Acq: 27 Mar 2018 17:44

Tgt Ion:276 Resp: 248722
 Ion Ratio Lower Upper
 276 100
 138 24.1 25.0 37.6#
 277 25.3 20.1 30.1

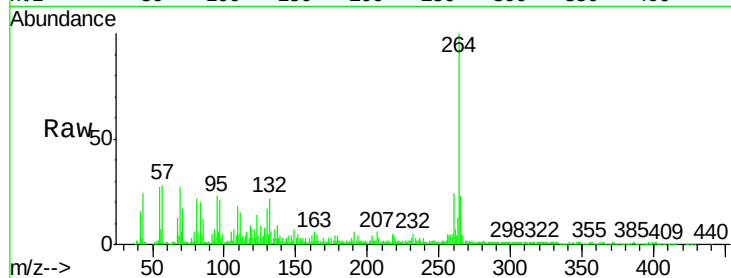




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.2	17.5	26.3

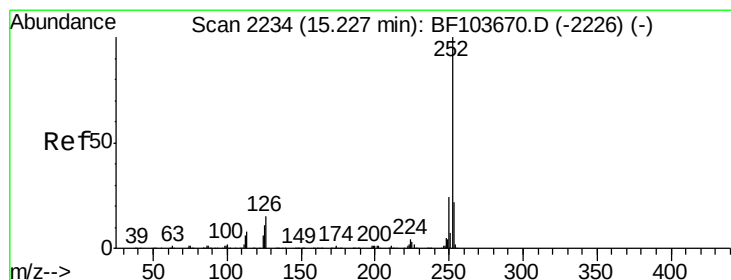
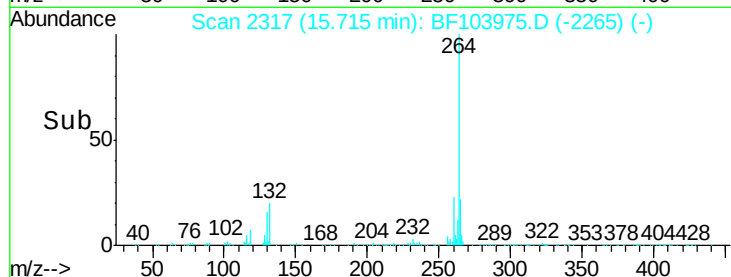
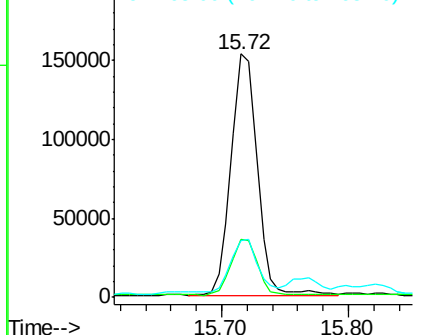


Abundance

Ion 264.00 (263.70 to 264.70): E

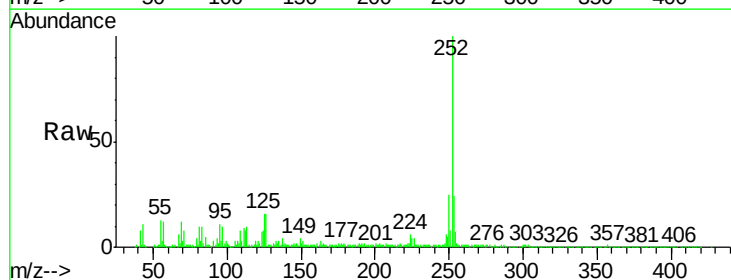
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 61.852 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	16.4	9.0	13.6

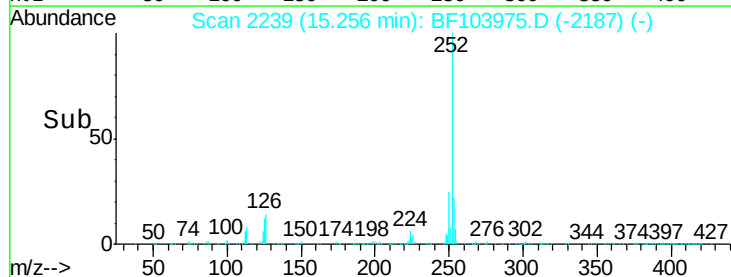
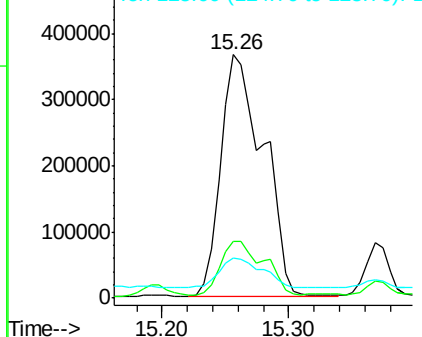


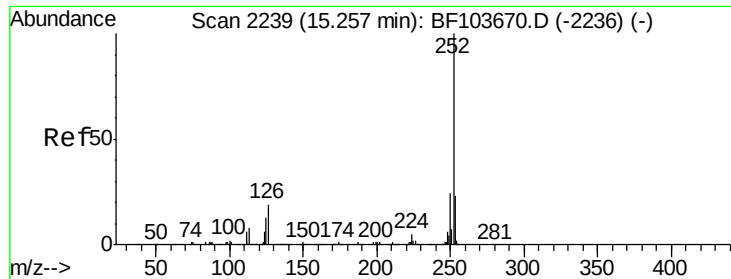
Abundance

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

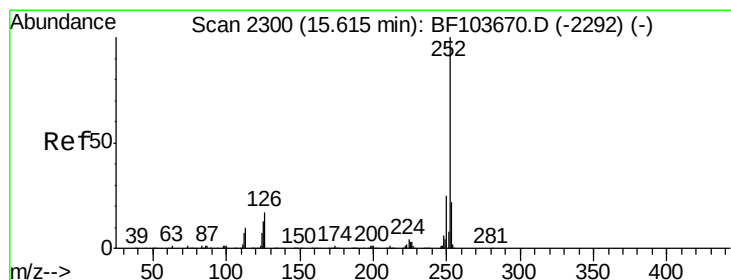
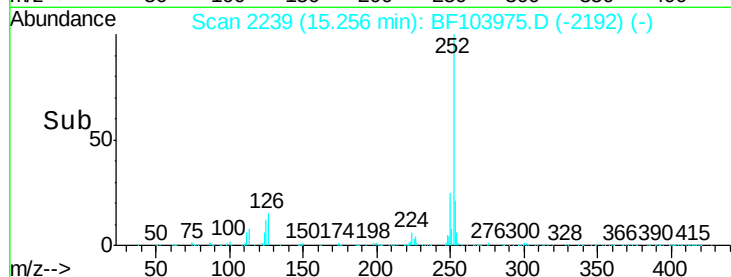
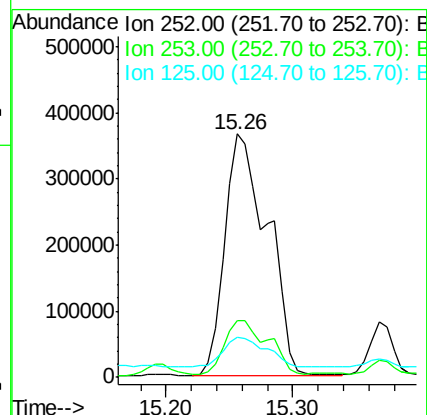
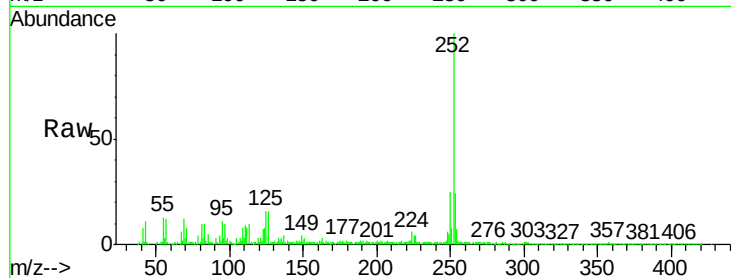




#88
Benzo(k)fluoranthene
Concen: 64.345 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

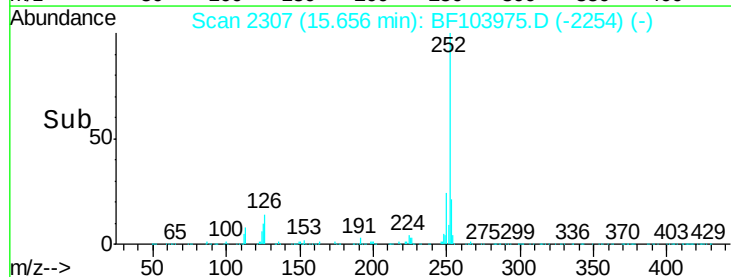
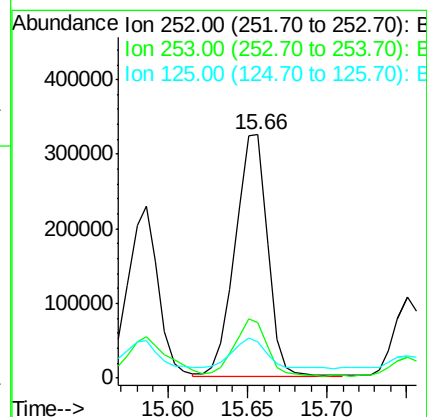
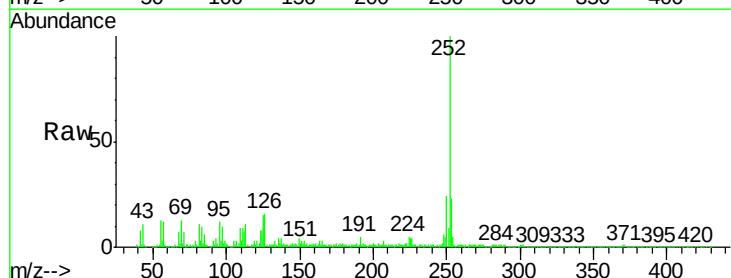
Instrument :
BNA_F
ClientSampleId :

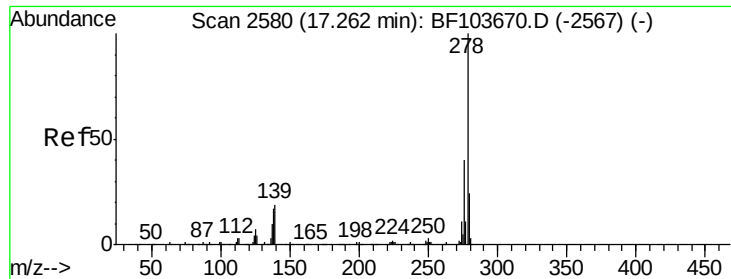
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	16.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 36.320 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF103975.D
Acq: 27 Mar 2018 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.819 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.01 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Instrument :

BNA_F

ClientSampleId :

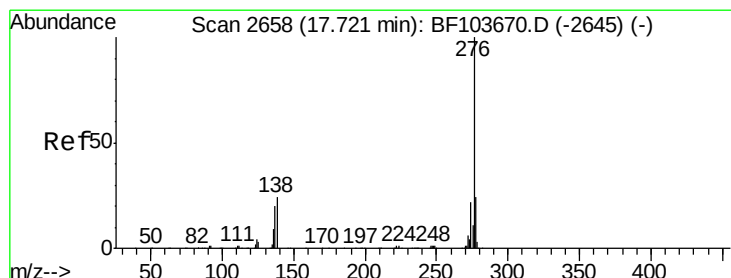
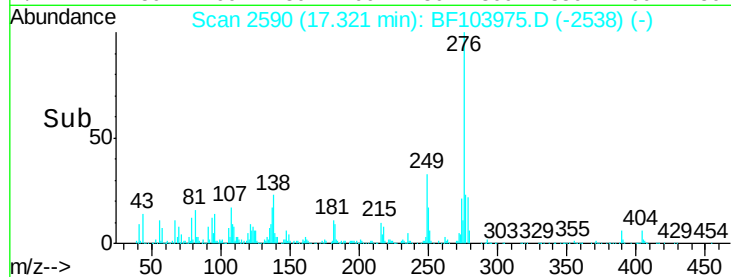
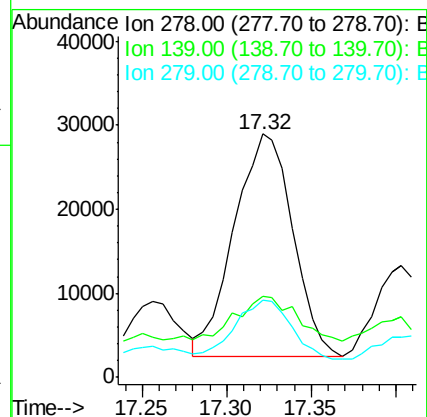
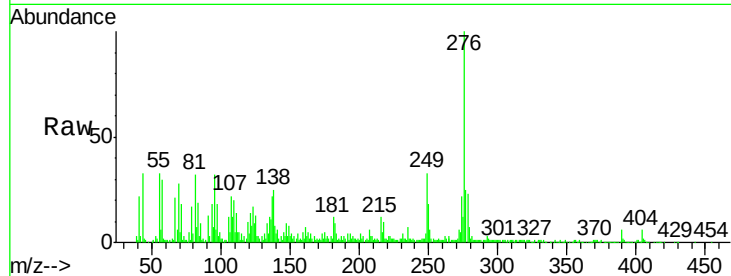
Tot Ion:278 Resp: 63546

Ion Ratio Lower Upper

278 100

139 33.1 15.9 23.9#

279 31.9 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 23.157 ng

RT: 17.82 min Scan# 2674

Delta R.T. 0.04 min

Lab File: BF103975.D

Acq: 27 Mar 2018 17:44

Tgt Ion:276 Resp: 246027

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 24.5 21.8 32.8

