

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103775.D
 Acq On : 20 Mar 2018 00:05
 Operator : JU/SJ
 Sample : J1971-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 01:00:03 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	6.97	152	149317	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	584106	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	243693	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	380575	20.00	ng	0.00
75) Chrysene-d12	14.16	240	307568	20.00	ng	0.00
86) Perylene-d12	15.70	264	246201	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1287114	131.11	ng	0.02
7) Phenol-d6	6.60	99	1594419	132.75	ng	0.01
23) Nitrobenzene-d5	7.54	82	964353	115.13	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	313686	149.71	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1309751	85.73	ng	0.00
78) Terphenyl-d14	13.09	244	1083351	81.76	ng	0.00

Target Compounds

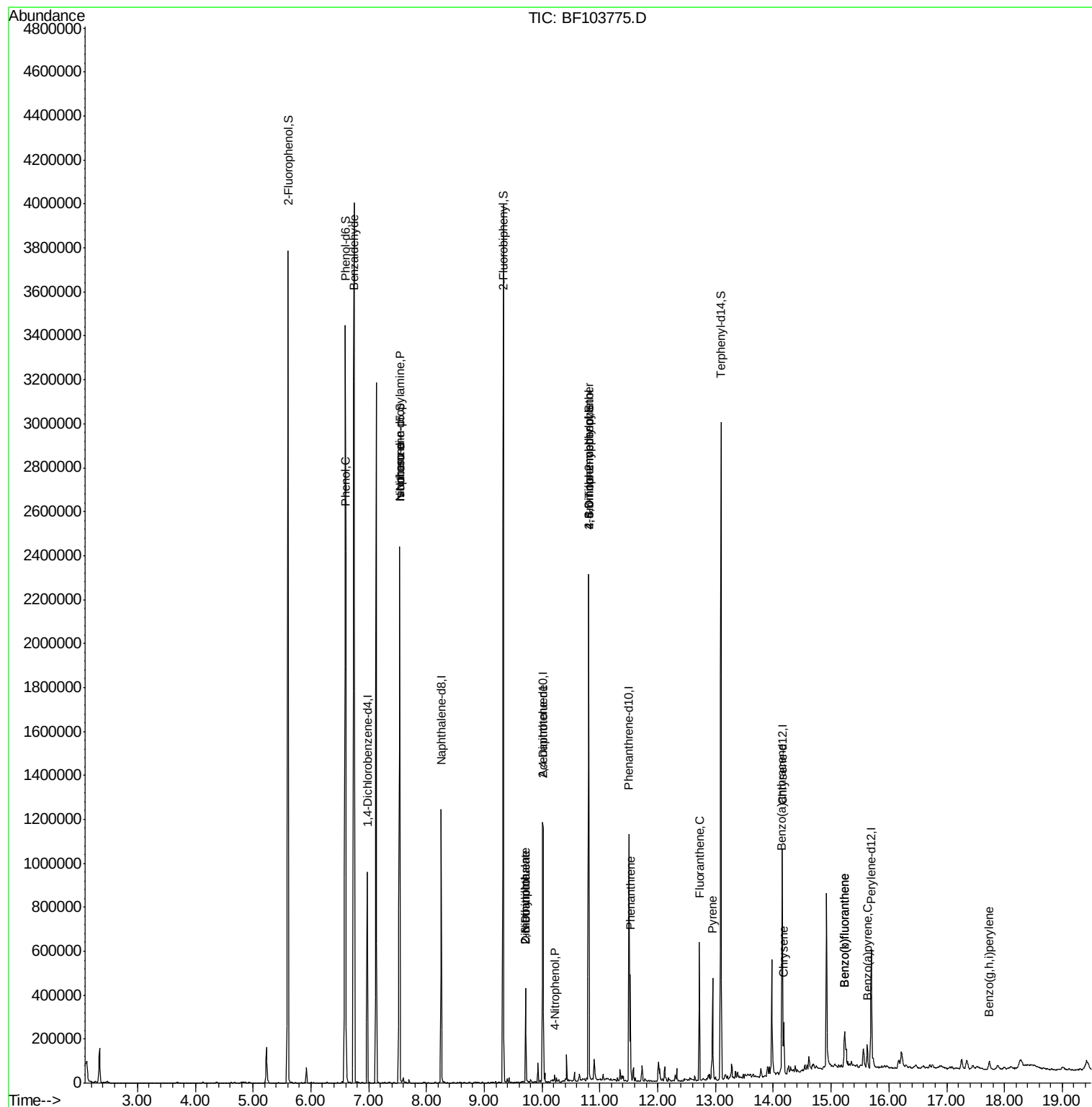
						Qvalue
9) Benzaldehyde	6.75	77	27919	3.538	ng	80
10) Phenol	6.61	94	38534	3.019	ng	91
19) n-Nitroso-di-n-propylamine	7.54	70	126062	16.378	ng	# 73
25) Isophorone	7.54	82	964341	49.734	ng	# 64
47) 2-Nitroaniline	9.72	65	1380	7.095	ng	# 1
49) Dimethylphthalate	9.72	163	148707	7.998	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1708	4.419	ng	# 20
55) 4-Nitrophenol	10.22	139	3318	5.884	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	31239	12.182	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.80	198	607	8.595	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18824	4.817	ng	# 1
70) Phenanthrene	11.53	178	156926	7.538	ng	97
74) Fluoranthene	12.72	202	226436	10.558	ng	98
77) Pyrene	12.95	202	182732	8.090	ng	99
80) Benzo(a)anthracene	14.14	228	75318	3.869	ng	99
82) Chrysene	14.18	228	80285	4.326	ng	98
87) Benzo(b)fluoranthene	15.23	252	116424	7.485	ng	# 95
88) Benzo(k)fluoranthene	15.23	252	116424	7.787	ng	97
89) Benzo(a)pyrene	15.63	252	48455	3.435	ng	# 98
91) Benzo(a,h,i)perylene	17.74	276	27125	2.282	ng	99

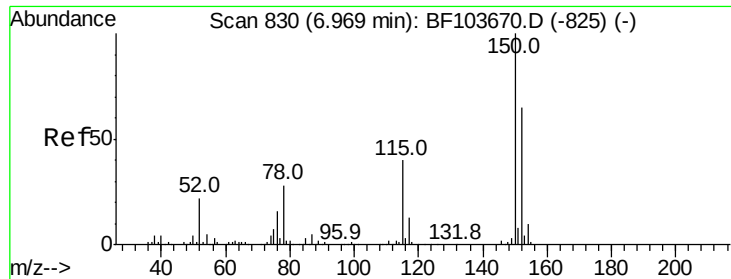
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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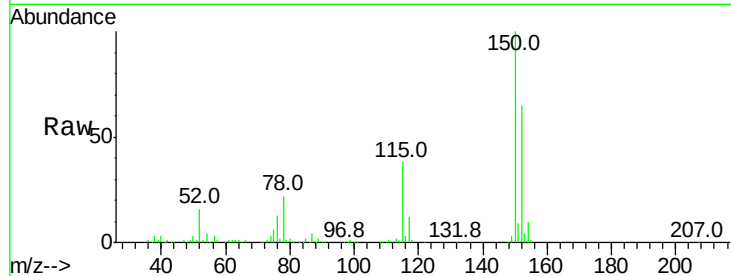


#1

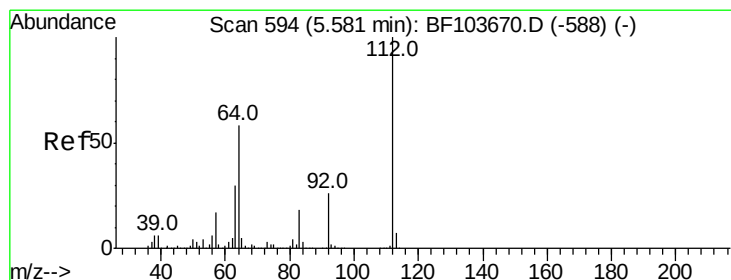
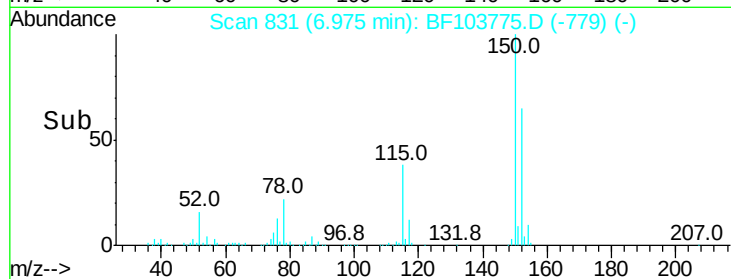
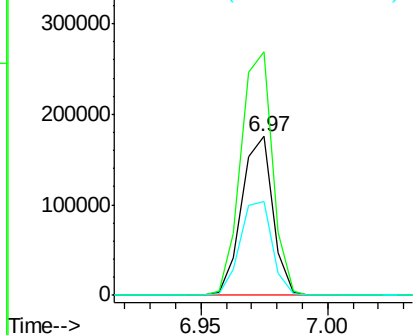
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	59.0	50.1	75.1



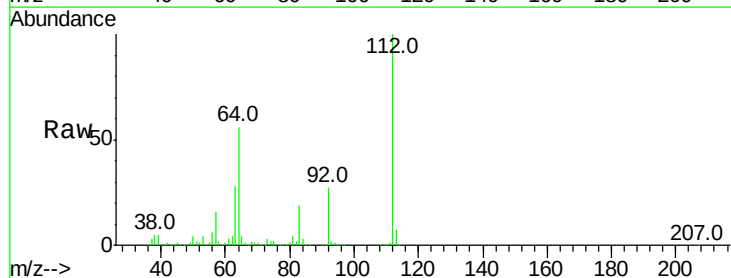
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



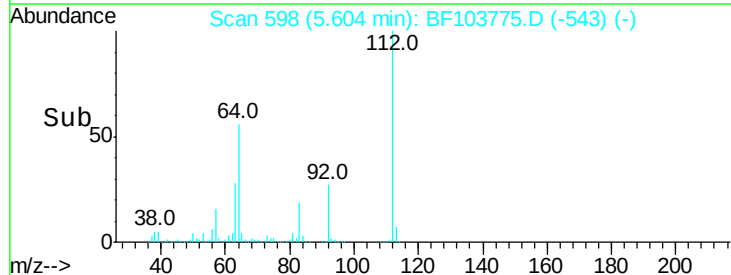
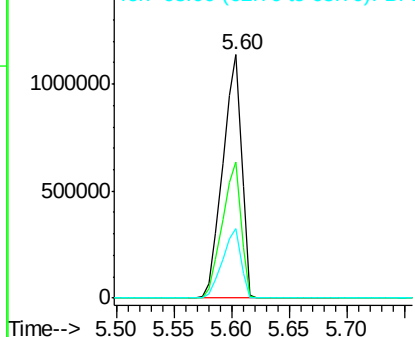
#5

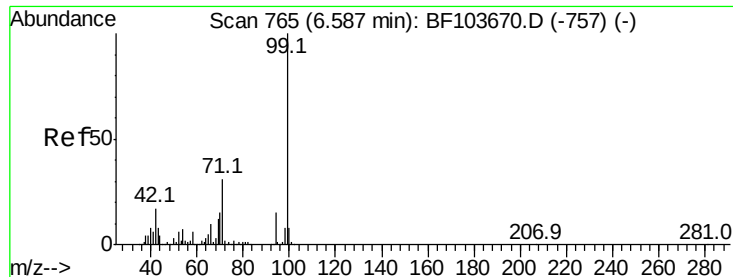
2-Fluorophenol
Concen: 131.110 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	28.5	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 132.752 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

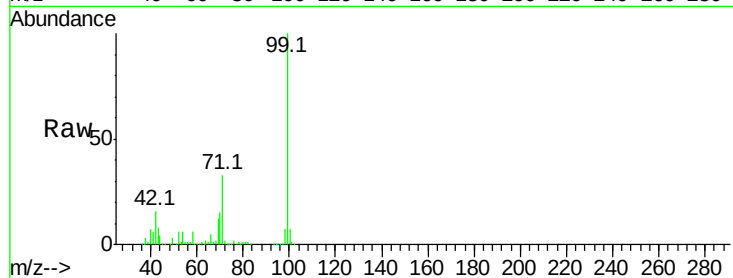
Tot Ion: 99 Resp: 1594419

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

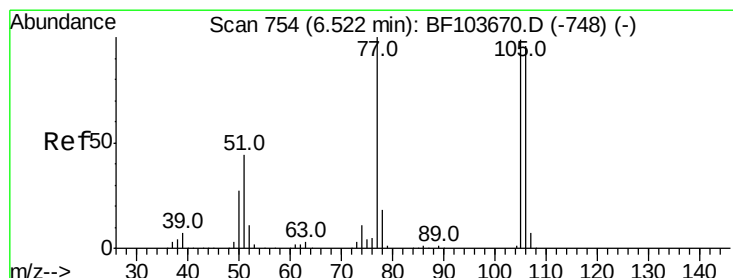
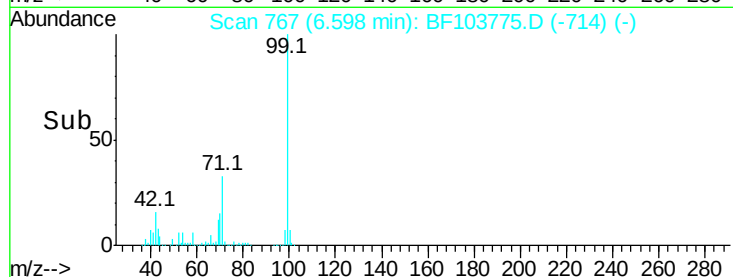
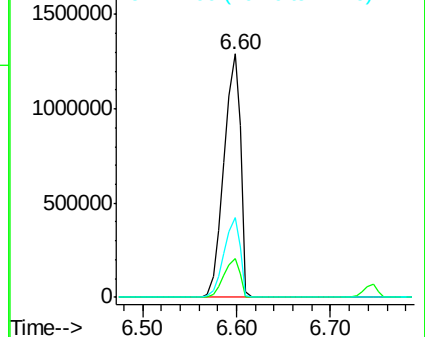
71 32.6 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.538 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

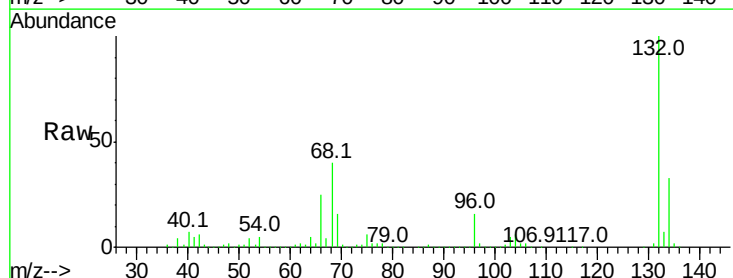
Tgt Ion: 77 Resp: 27919

Ion Ratio Lower Upper

77 100

105 81.3 81.1 121.1

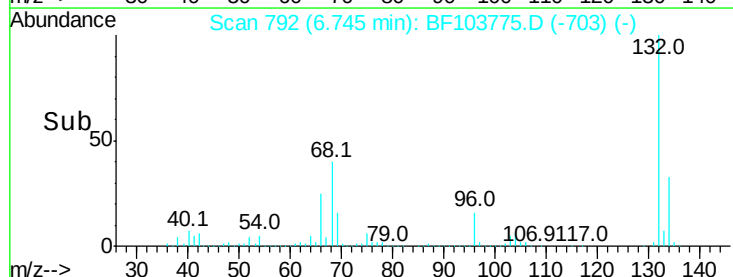
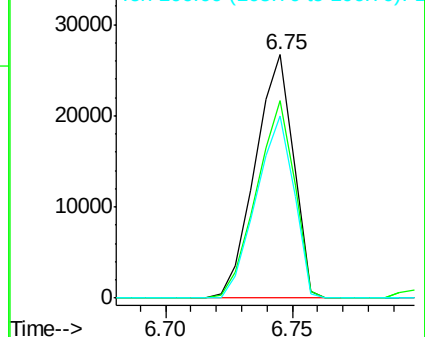
106 74.7 74.5 114.5

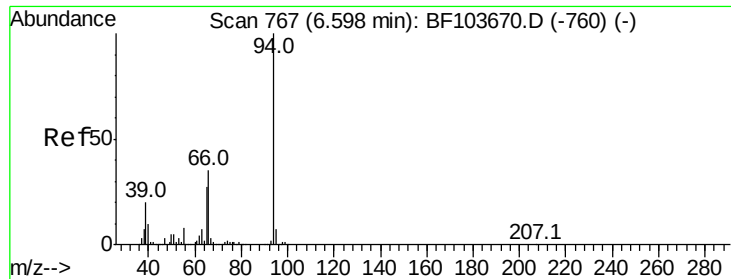


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.019 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

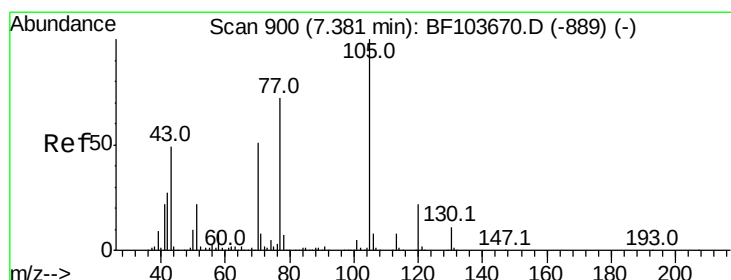
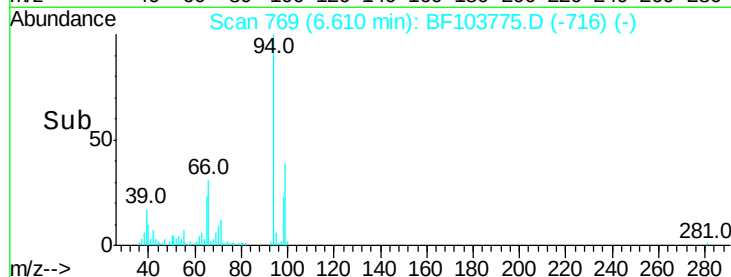
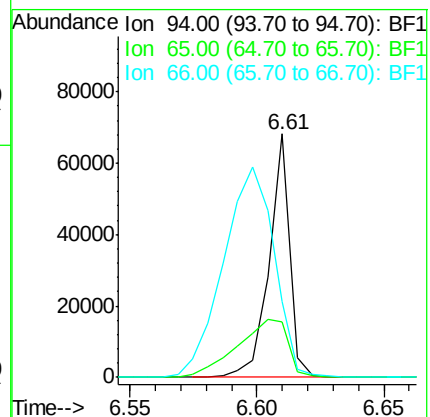
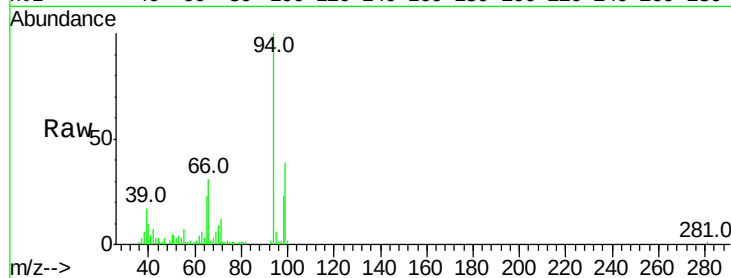
Tot Ion: 94 Resp: 38534

Ion Ratio Lower Upper

94 100

65 22.8 7.9 47.9

66 31.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.378 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Tgt Ion: 70 Resp: 126062

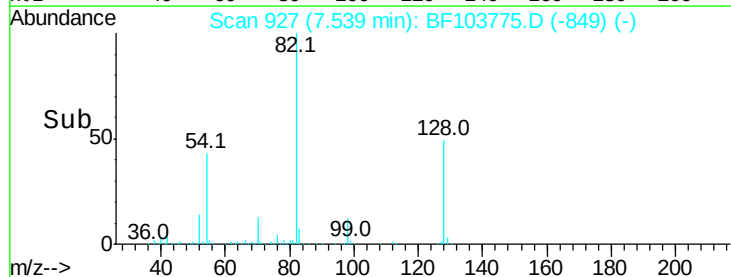
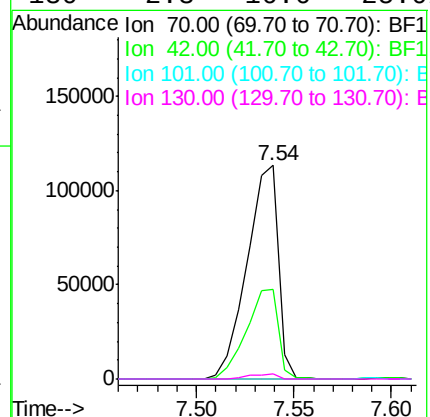
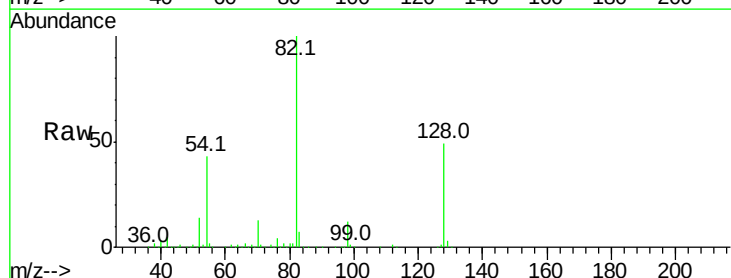
Ion Ratio Lower Upper

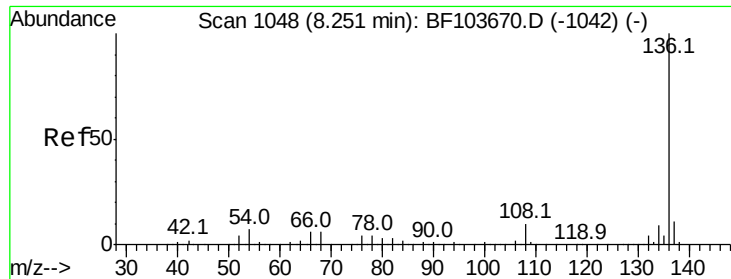
70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

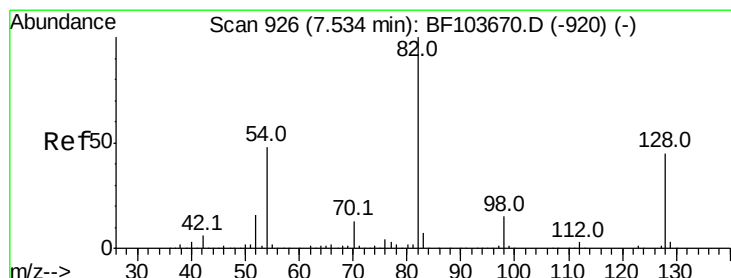
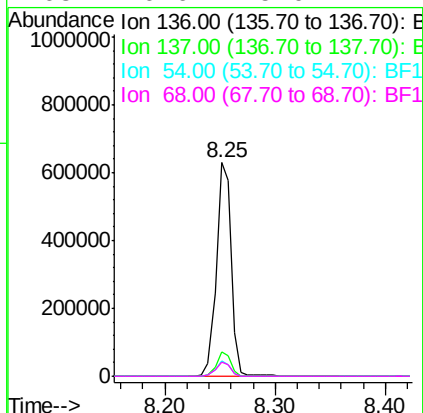
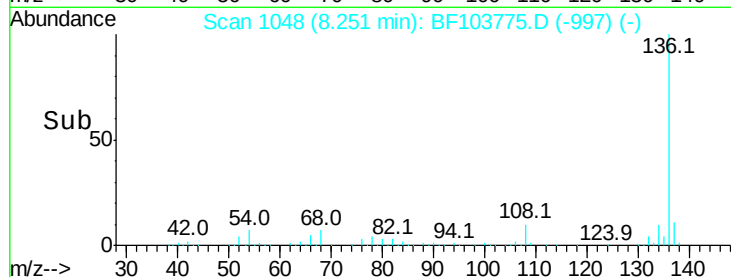
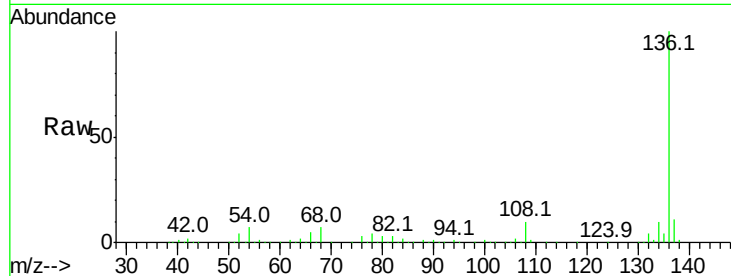




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

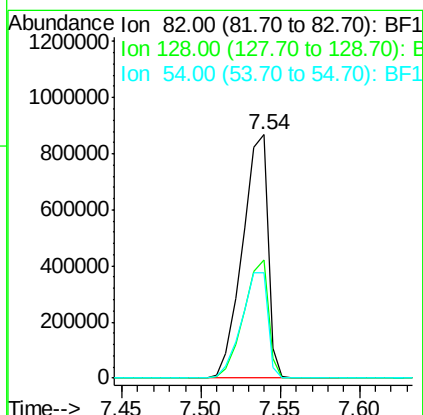
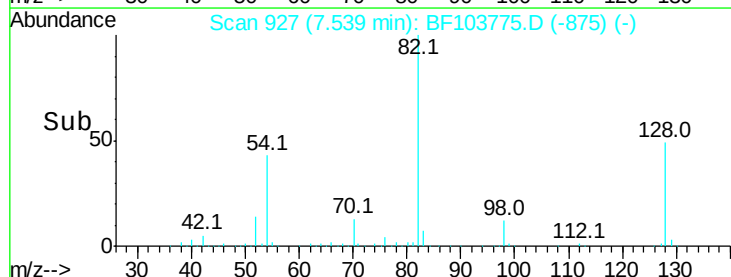
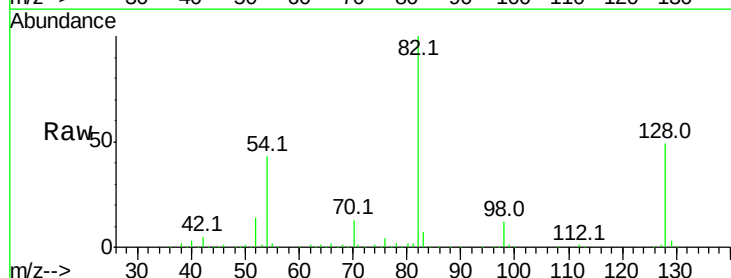
Instrument :
BNA_F
ClientSampled :

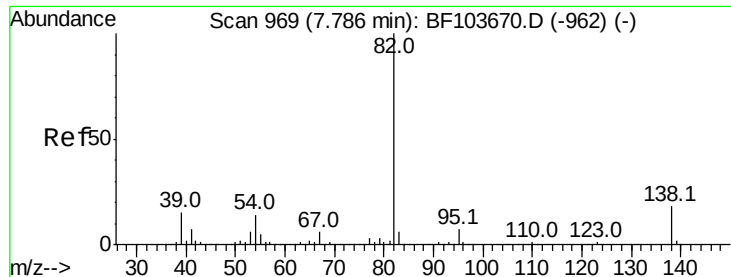
Tot Ion:	136	Resp:	584106
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.4	6.6	9.8
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 115.133 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Tgt Ion:	82	Resp:	964353
Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	43.3	41.4	62.2





#25

Isophorone

Concen: 49.734 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

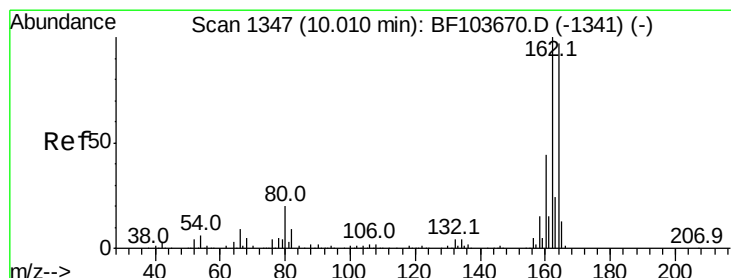
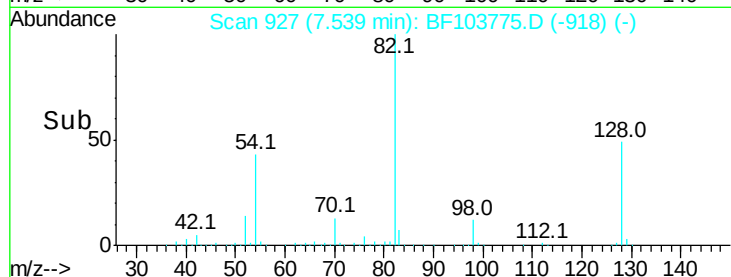
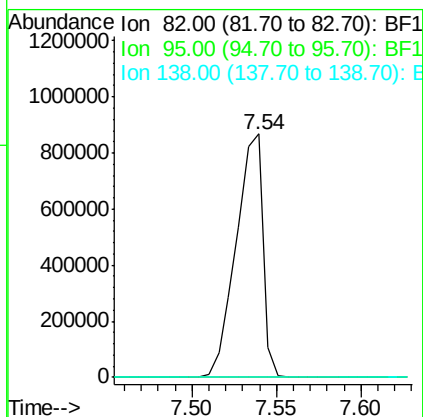
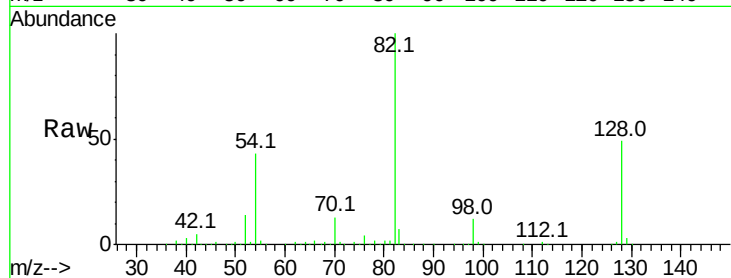
Tot Ion: 82 Resp: 964341

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

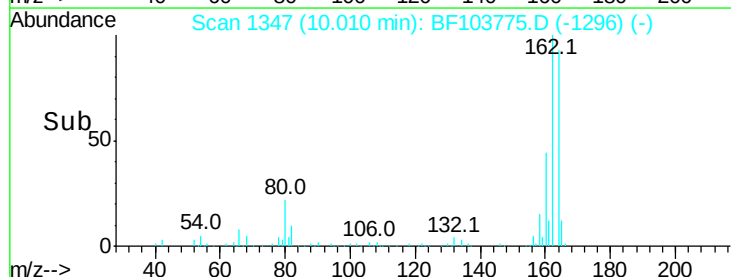
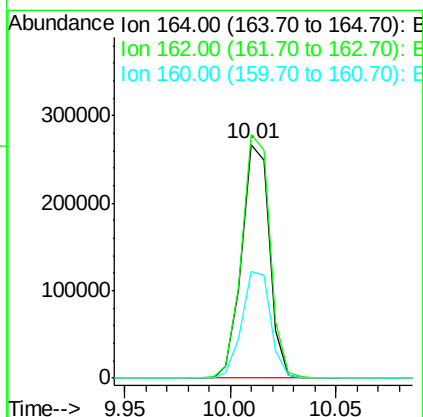
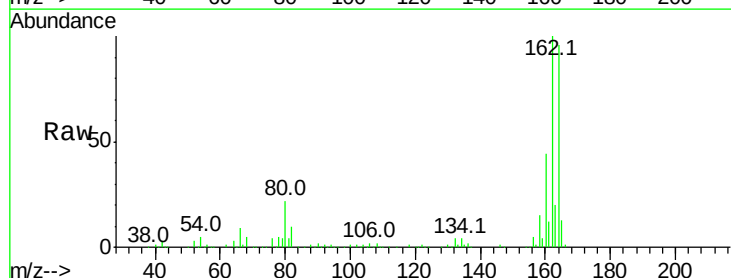
Tgt Ion:164 Resp: 243693

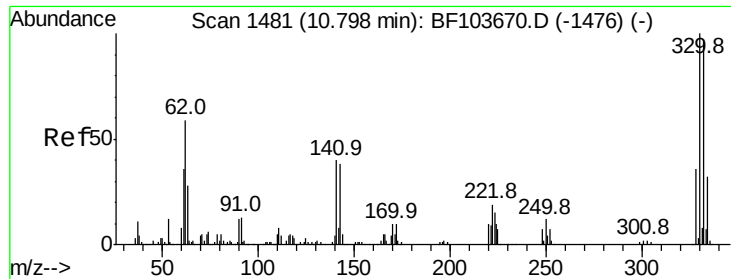
Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

160 45.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 149.710 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

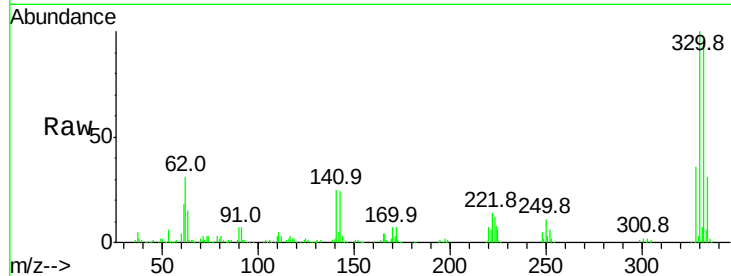
Tot Ion:330 Resp: 313686

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

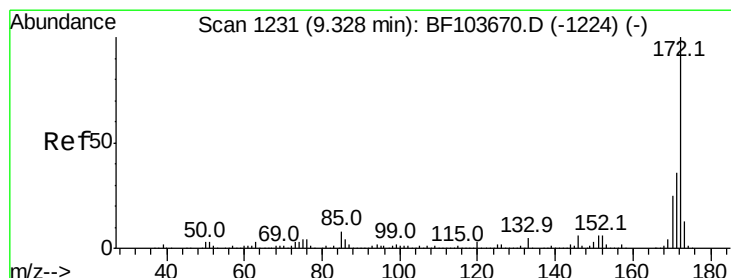
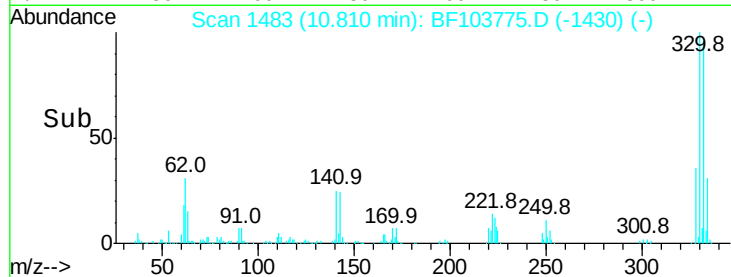
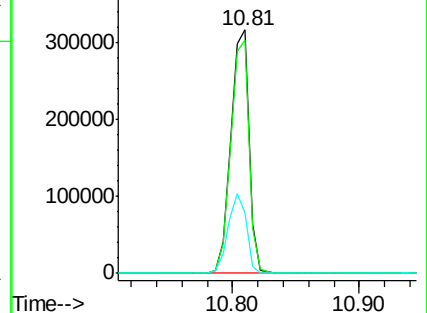
141 33.2 29.9 44.9



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: 85.733 ng

RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

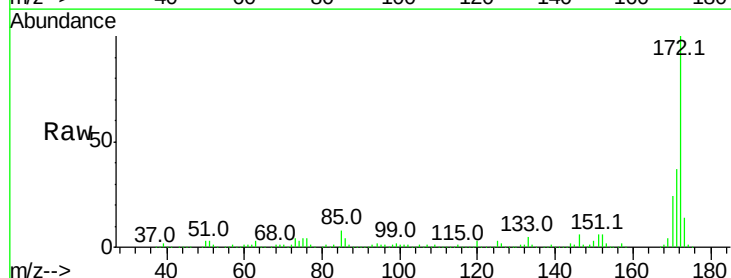
Tgt Ion:172 Resp: 1309751

Ion Ratio Lower Upper

172 100

171 36.9 29.7 44.5

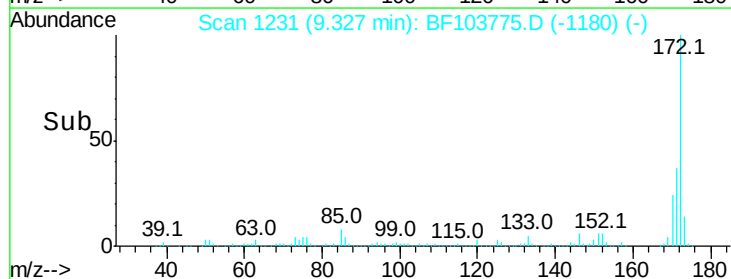
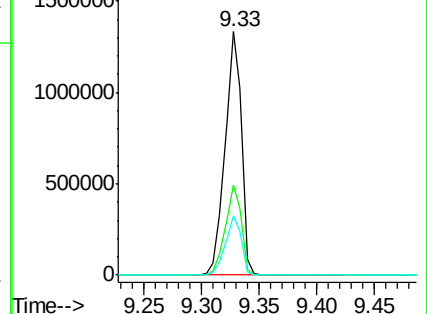
170 24.1 19.6 29.4

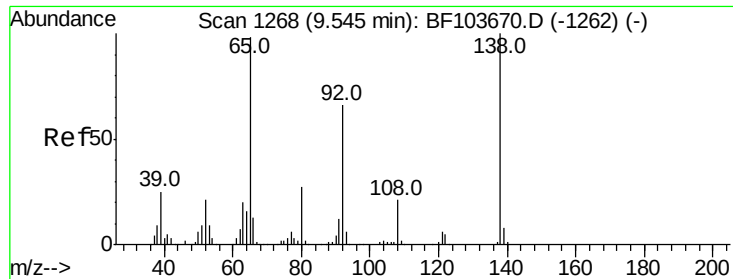


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

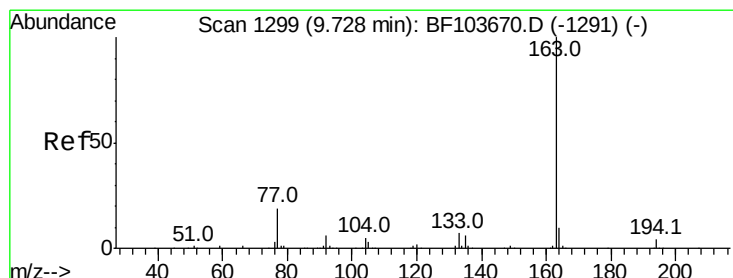
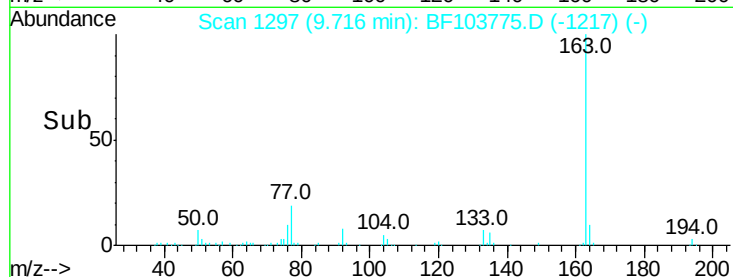
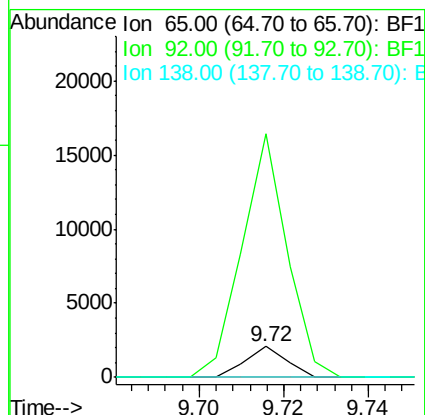
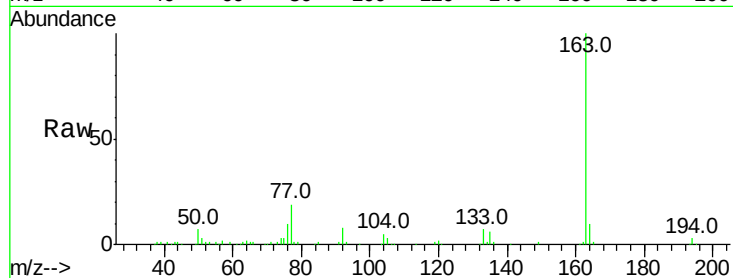




#47
2-Nitroaniline
Concen: 7.095 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

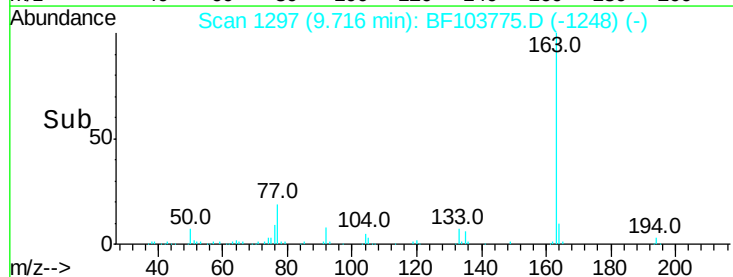
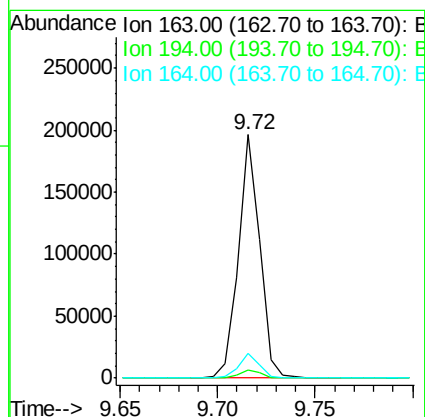
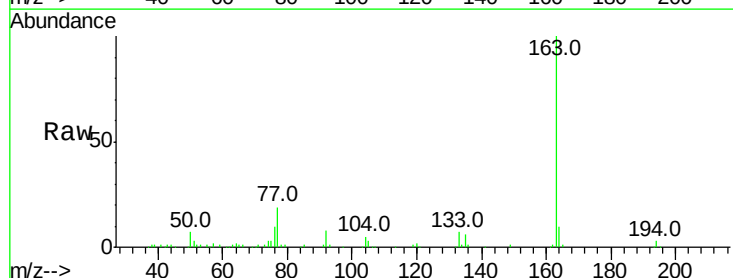
Instrument :
BNA_F
ClientSampleId :

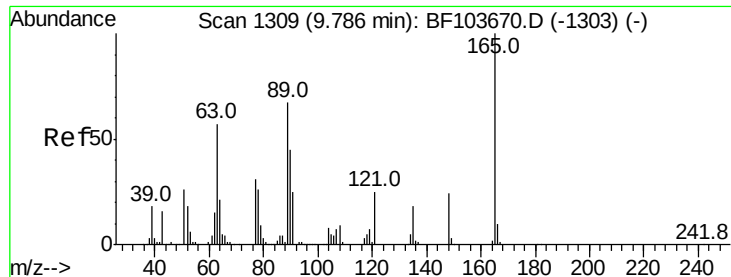
Tot Ion: 65 Resp: 1380
Ion Ratio Lower Upper
65 100
92 797.7 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 7.998 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Tgt Ion:163 Resp: 148707
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.0 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 4.419 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

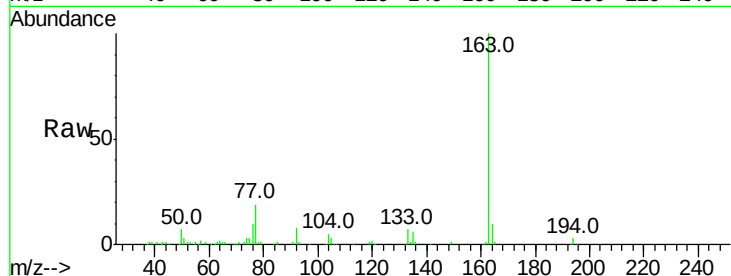
Tot Ion:165 Resp: 1708

Ion Ratio Lower Upper

165 100

63 117.6 44.7 67.1#

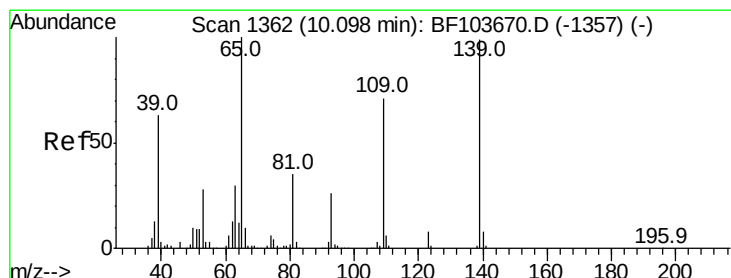
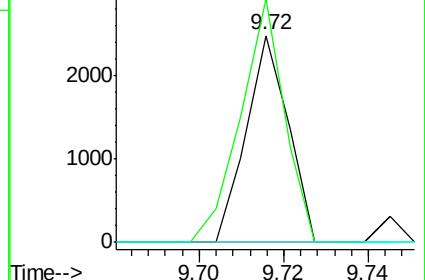
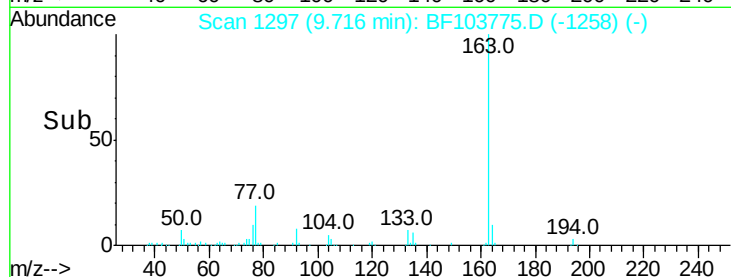
89 0.0 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 5.884 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

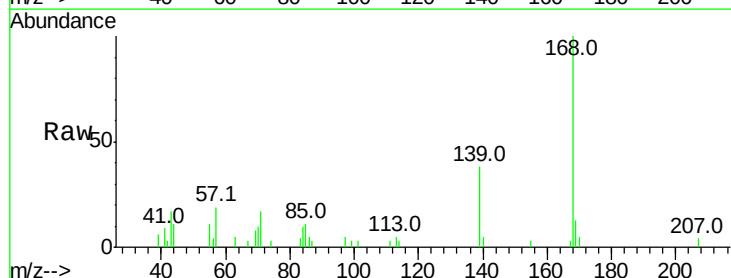
Tgt Ion:139 Resp: 3318

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

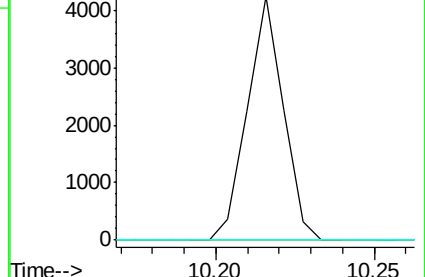
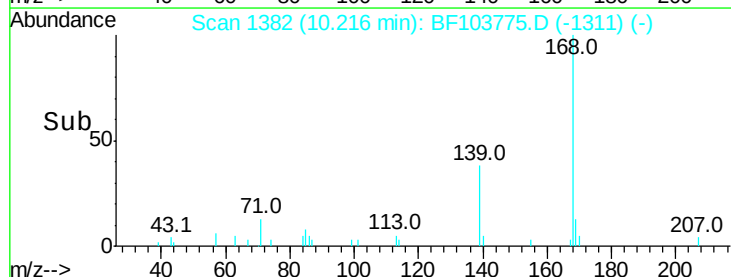
65 0.0 72.6 112.6#

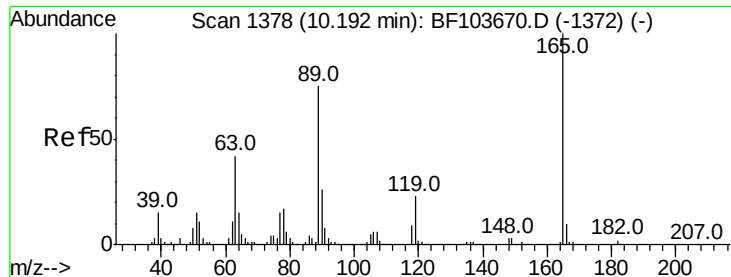


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

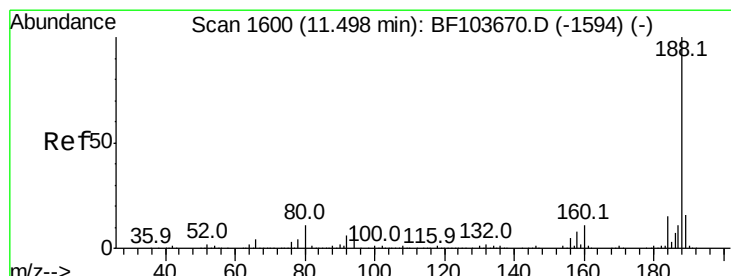
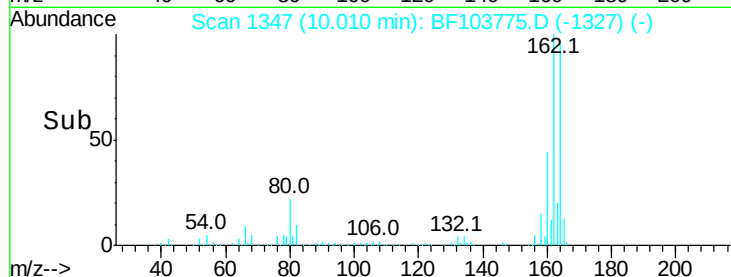
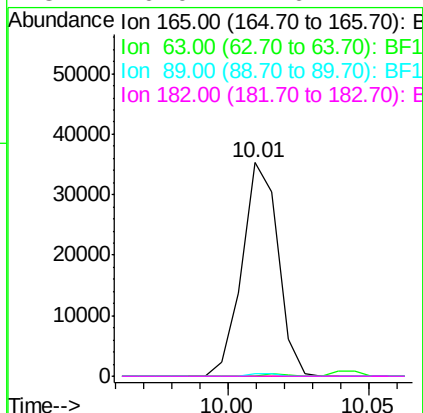
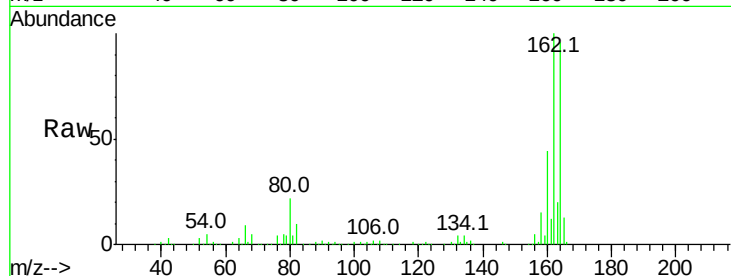




#56
 2,4-Dinitrotoluene
 Concen: 12.182 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103775.D
 Acq: 20 Mar 2018 00:05

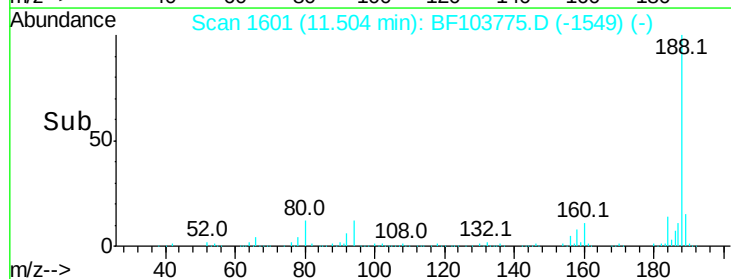
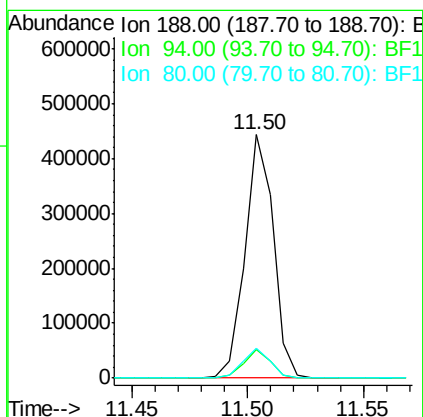
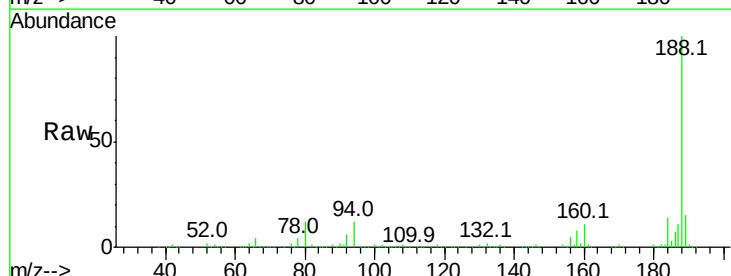
Instrument :
 BNA_F
 ClientSampled :

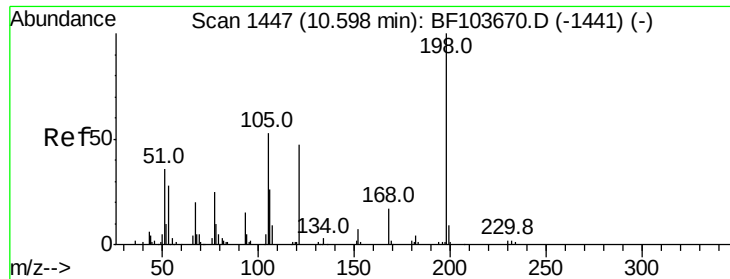
Tot Ion:	165	Resp:	31239
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103775.D
 Acq: 20 Mar 2018 00:05

Tgt Ion:	188	Resp:	380575
Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.4	9.2	13.8

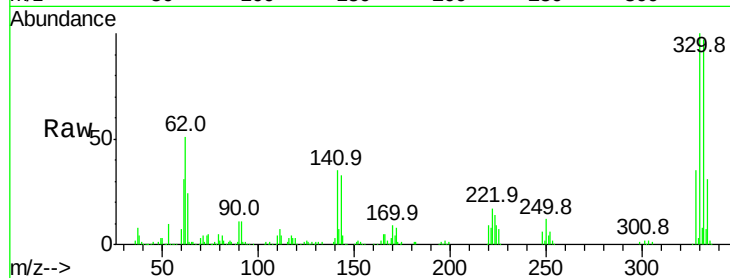




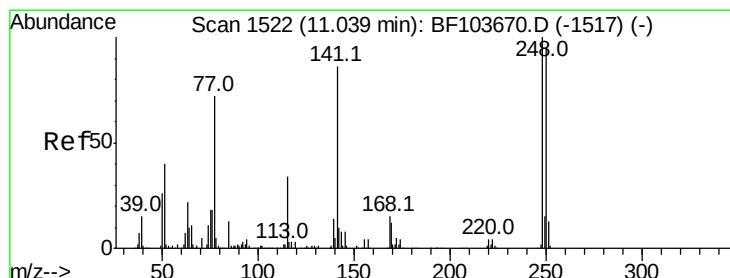
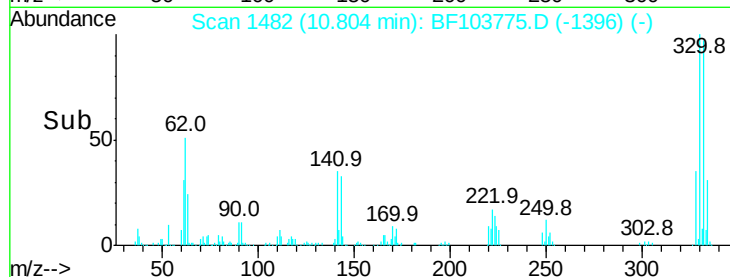
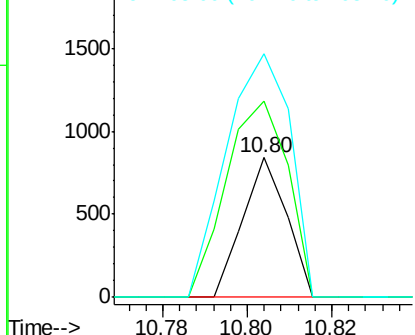
#64
4,6-Dinitro-2-methylphenol
Concen: 8.595 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.21 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 607
Ion Ratio Lower Upper
198 100
51 140.6 37.7 77.7#
105 174.7 36.3 76.3#

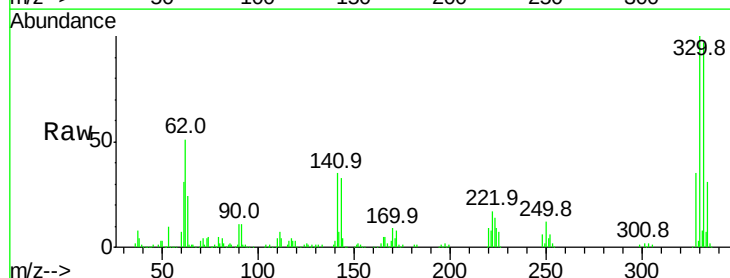


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

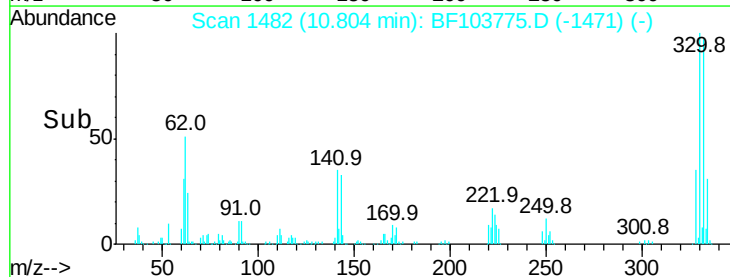
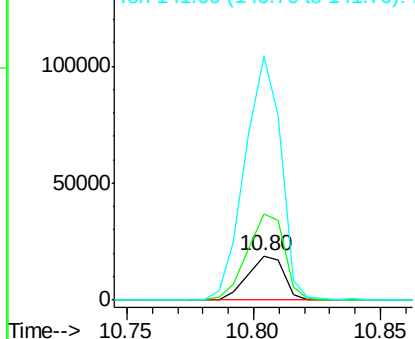


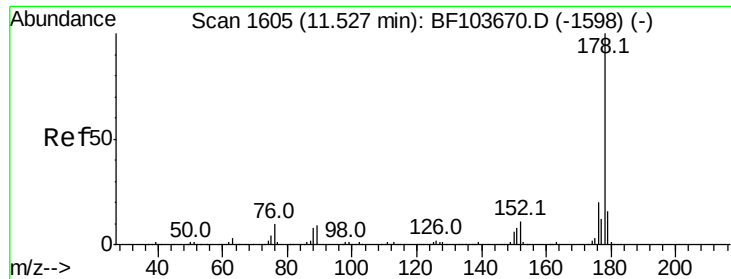
#66
4-Bromophenyl-phenylether
Concen: 4.817 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Tgt Ion:248 Resp: 18824
Ion Ratio Lower Upper
248 100
250 196.7 76.9 115.3#
141 551.8 74.4 111.6#



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

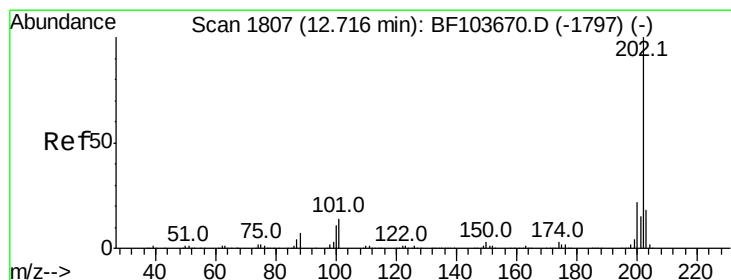
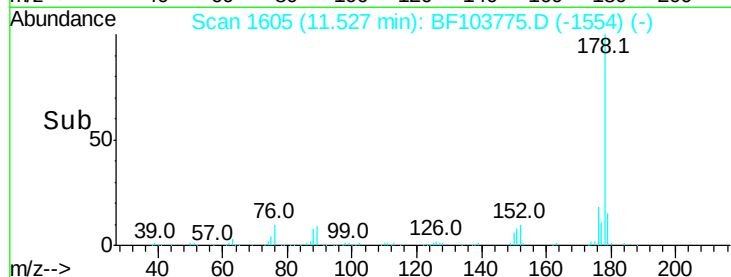
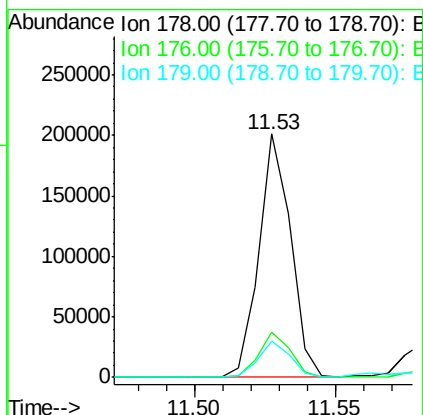
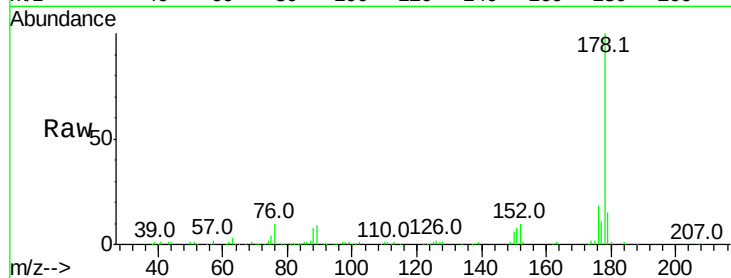




#70
 Phenanthrene
 Concen: 7.538 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF103775.D
 Acq: 20 Mar 2018 00:05

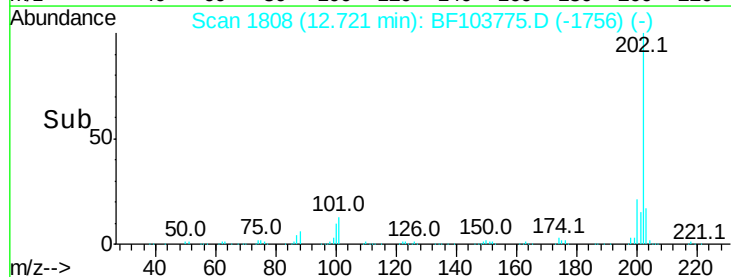
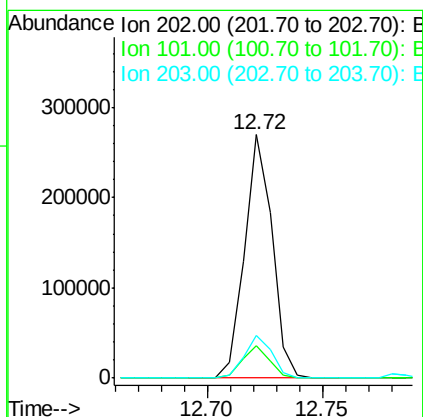
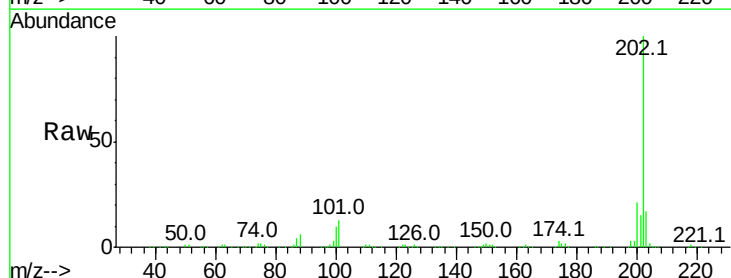
Instrument :
 BNA_F
 ClientSampleId :

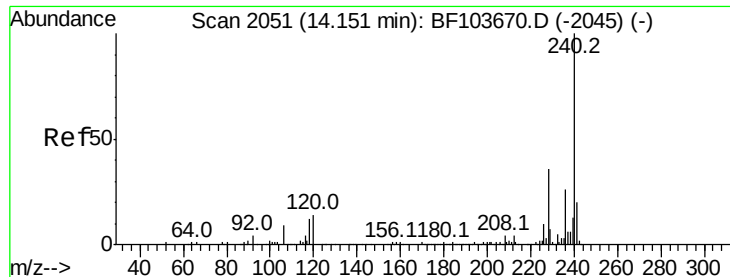
Tot Ion:178 Resp: 156926
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.9 13.0 19.6



#74
 Fluoranthene
 Concen: 10.558 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BF103775.D
 Acq: 20 Mar 2018 00:05

Tgt Ion:202 Resp: 226436
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampleId :

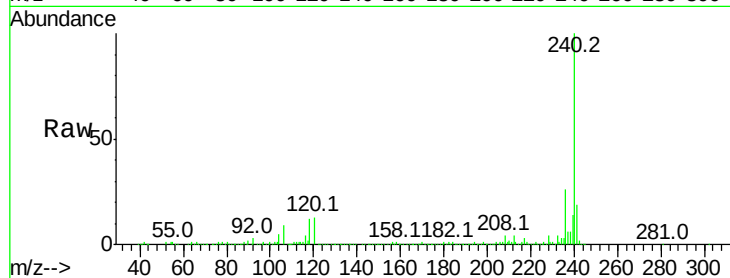
Tot Ion:240 Resp: 307568

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

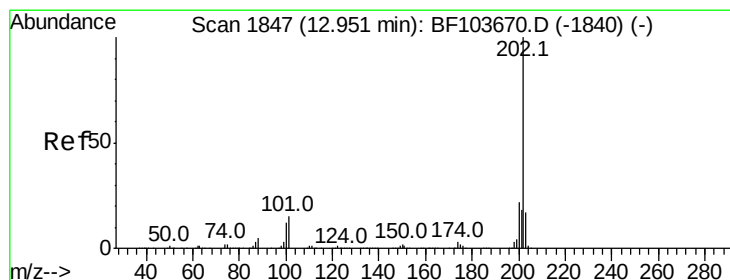
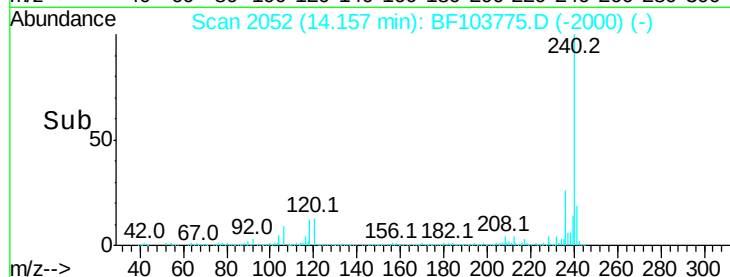
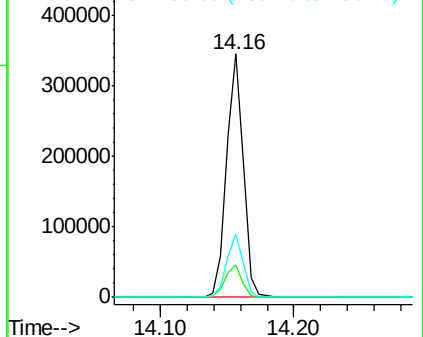
236 25.9 20.7 31.1



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

Pyrene

Concen: 8.090 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

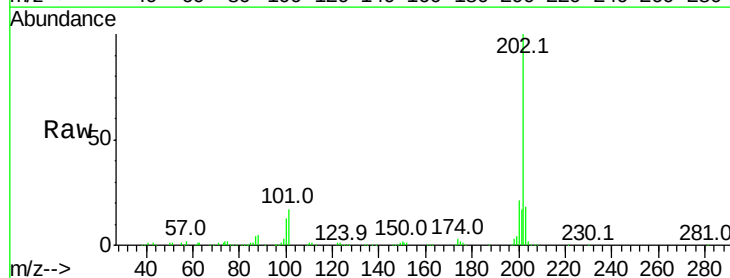
Tgt Ion:202 Resp: 182732

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

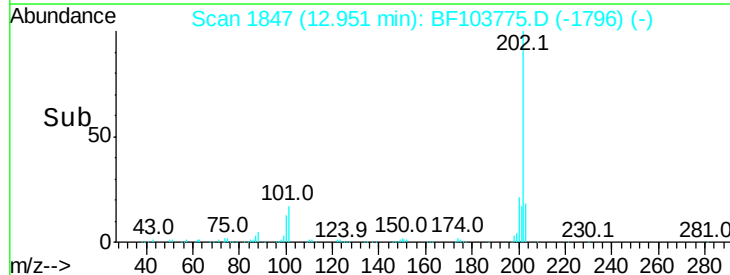
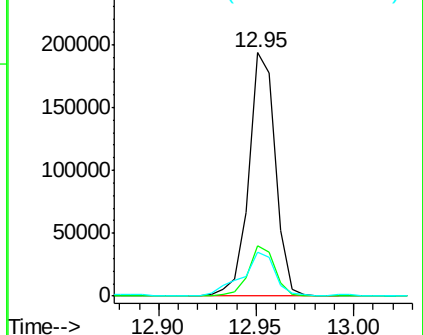
203 17.9 14.3 21.5

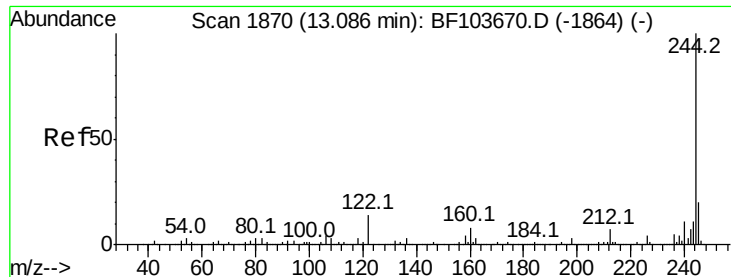


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.758 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampled :

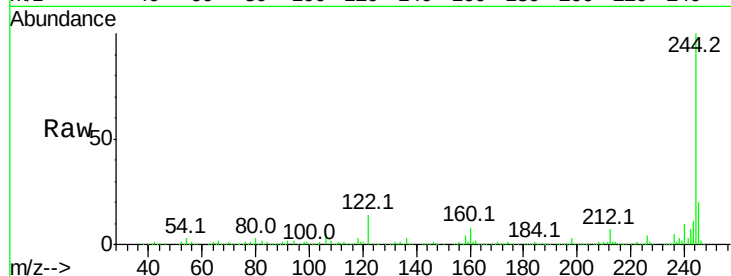
Tot Ion:244 Resp: 1083351

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

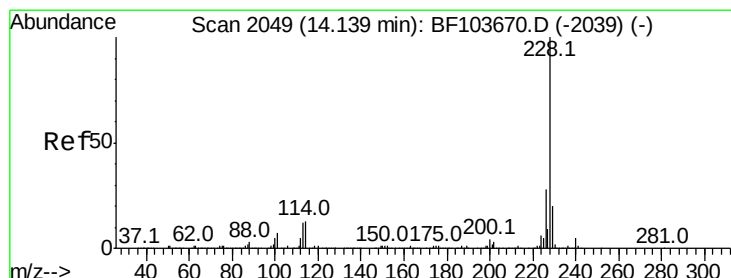
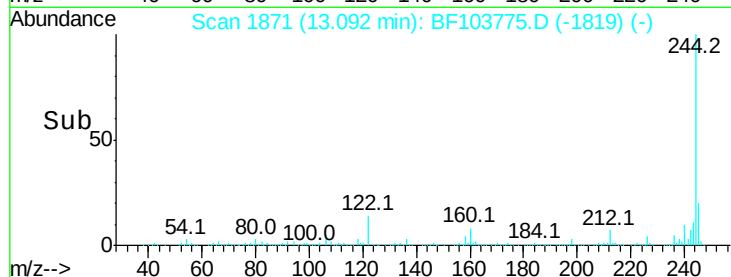
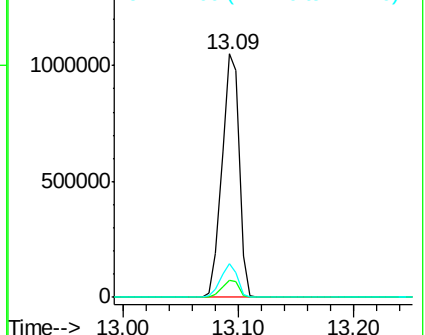
122 13.8 11.0 16.4



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: 3.869 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

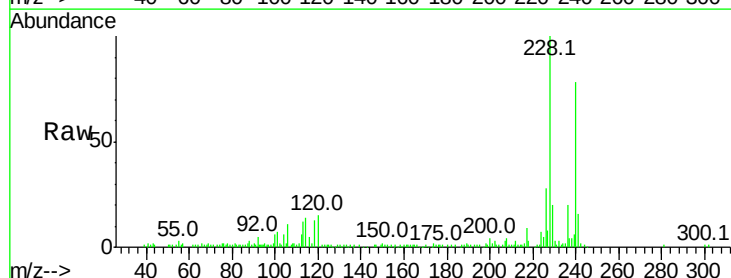
Tgt Ion:228 Resp: 75318

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

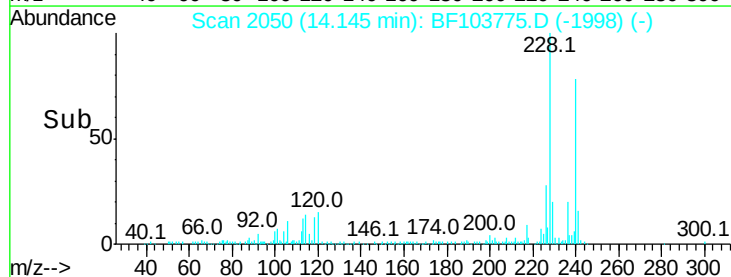
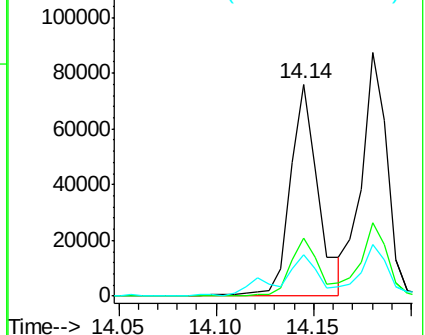
229 19.7 15.8 23.6

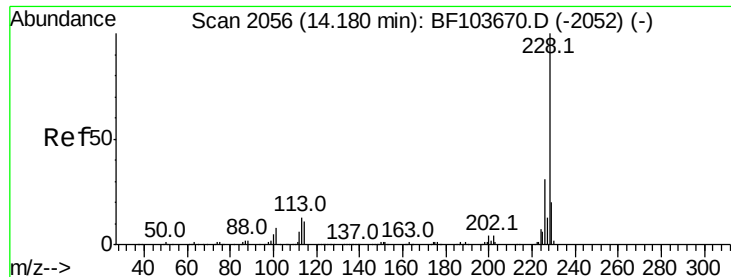


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.326 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :

BNA_F

ClientSampled :

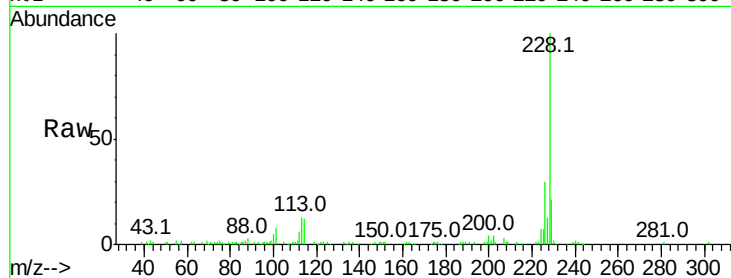
Tot Ion:228 Resp: 80285

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

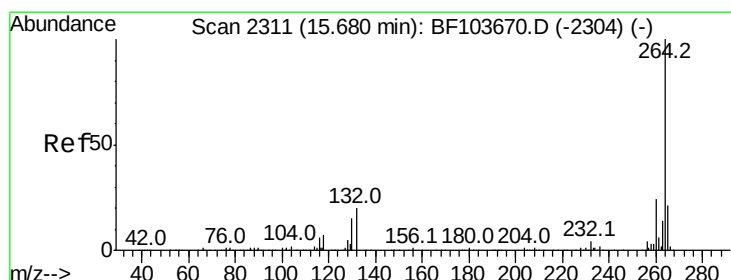
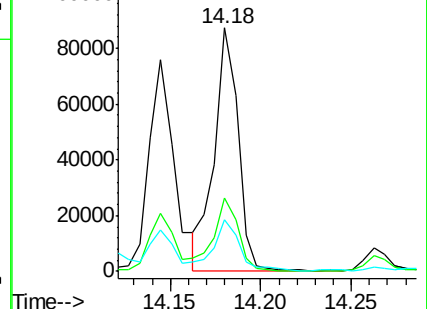
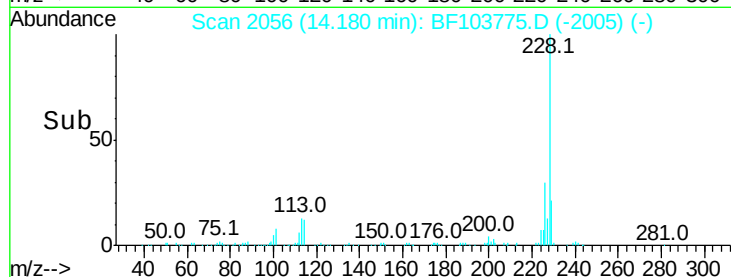
229 21.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

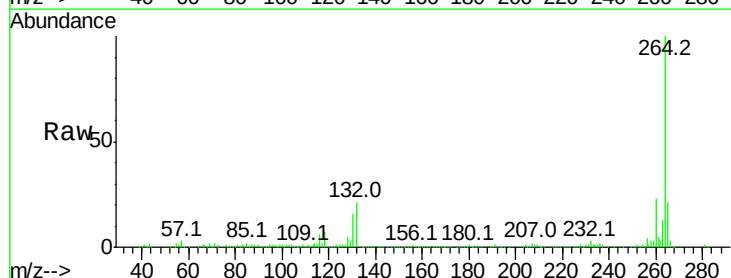
Tgt Ion:264 Resp: 246201

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

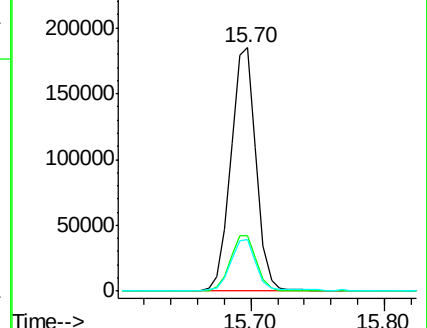
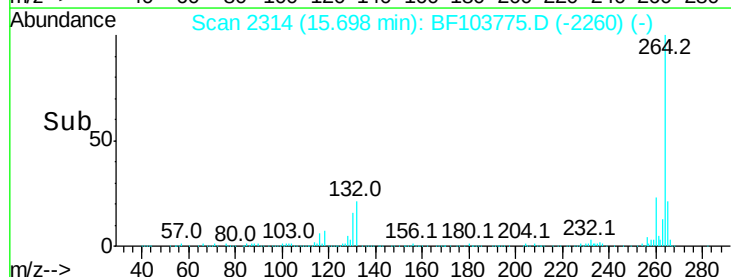
265 21.4 17.5 26.3

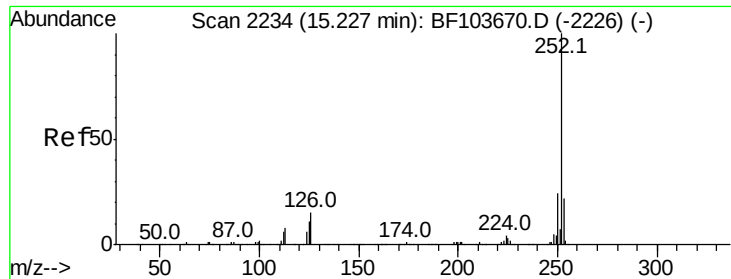


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.485 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

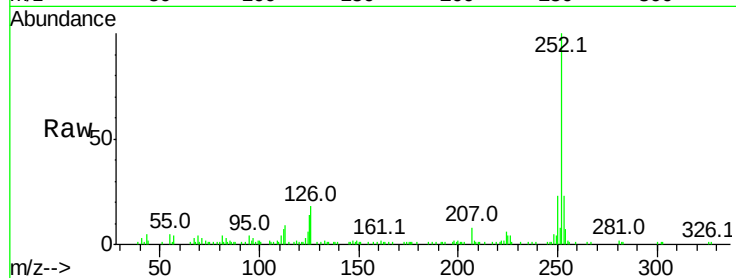
Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 116424

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.4	9.0	13.6

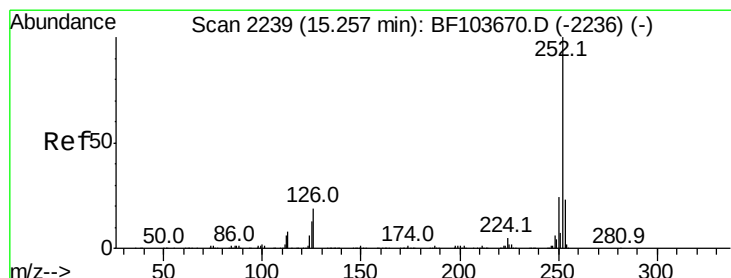
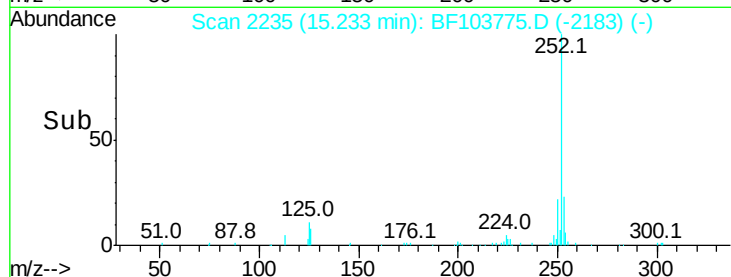
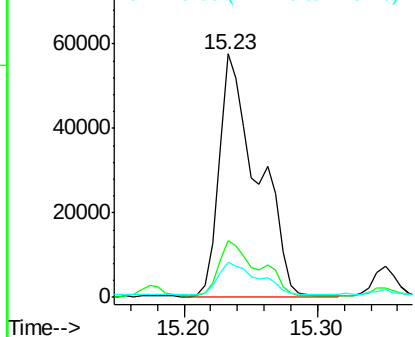


Abundance

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: 7.787 ng

RT: 15.23 min Scan# 2235

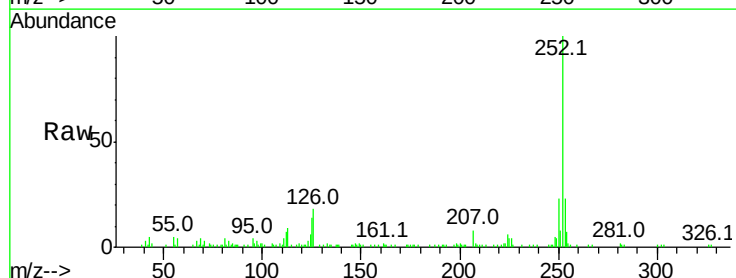
Delta R.T. -0.02 min

Lab File: BF103775.D

Acq: 20 Mar 2018 00:05

Tgt Ion:252 Resp: 116424

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.4	10.2	15.2

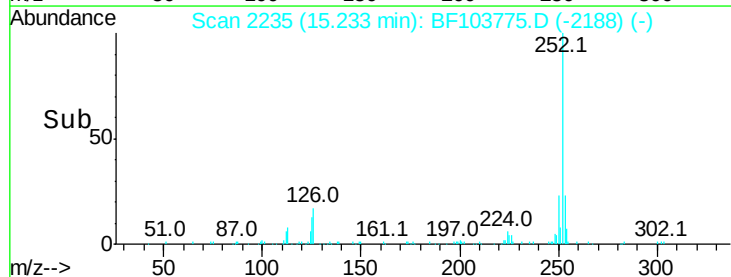
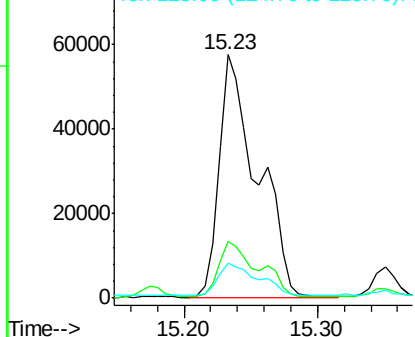


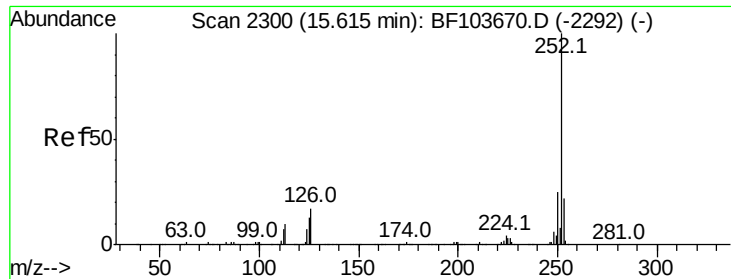
Abundance

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

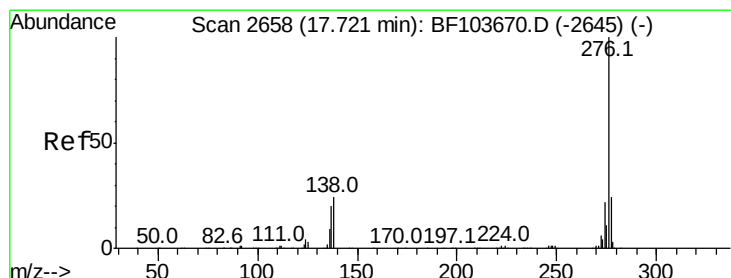
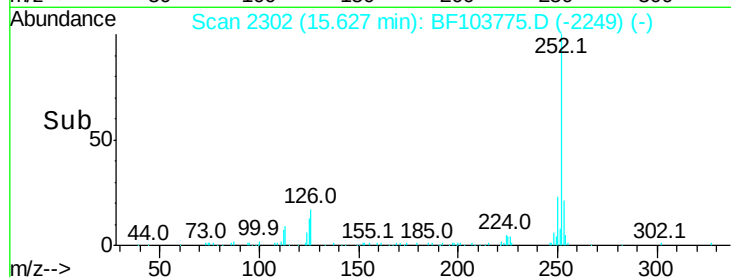
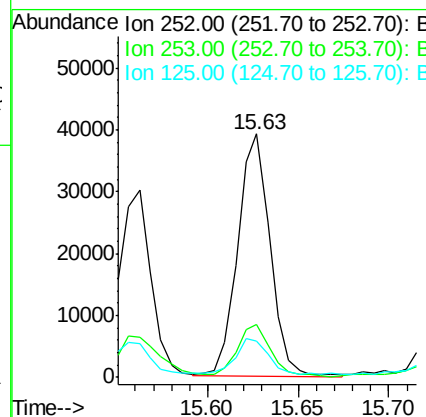
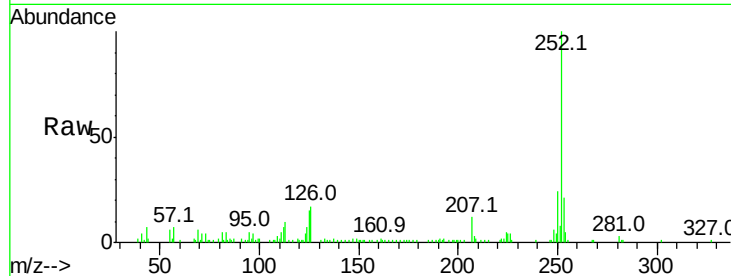




#89
Benzo(a)pyrene
Concen: 3.435 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	14.7	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.74 min Scan# 2661
Delta R.T. 0.02 min
Lab File: BF103775.D
Acq: 20 Mar 2018 00:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	17.9	26.9
138	28.0	21.8	32.8

