

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108852.D
 Acq On : 7 Sep 2018 11:31
 Operator : JU/SJ
 Sample : J4803-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 13:19:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	282317	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1119367	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	569782	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	1089937	20.00	ng	0.00
75) Chrysene-d12	13.87	240	656114	20.00	ng	0.00
86) Perylene-d12	15.28	264	687842	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1291971	75.81	ng	0.01
7) Phenol-d6	6.37	99	1705003	77.76	ng	0.00
23) Nitrobenzene-d5	7.30	82	1073802	60.03	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	424103	77.97	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1827864	54.73	ng	0.00
78) Terphenyl-d14	12.83	244	1716296	61.00	ng	0.00

Target Compounds

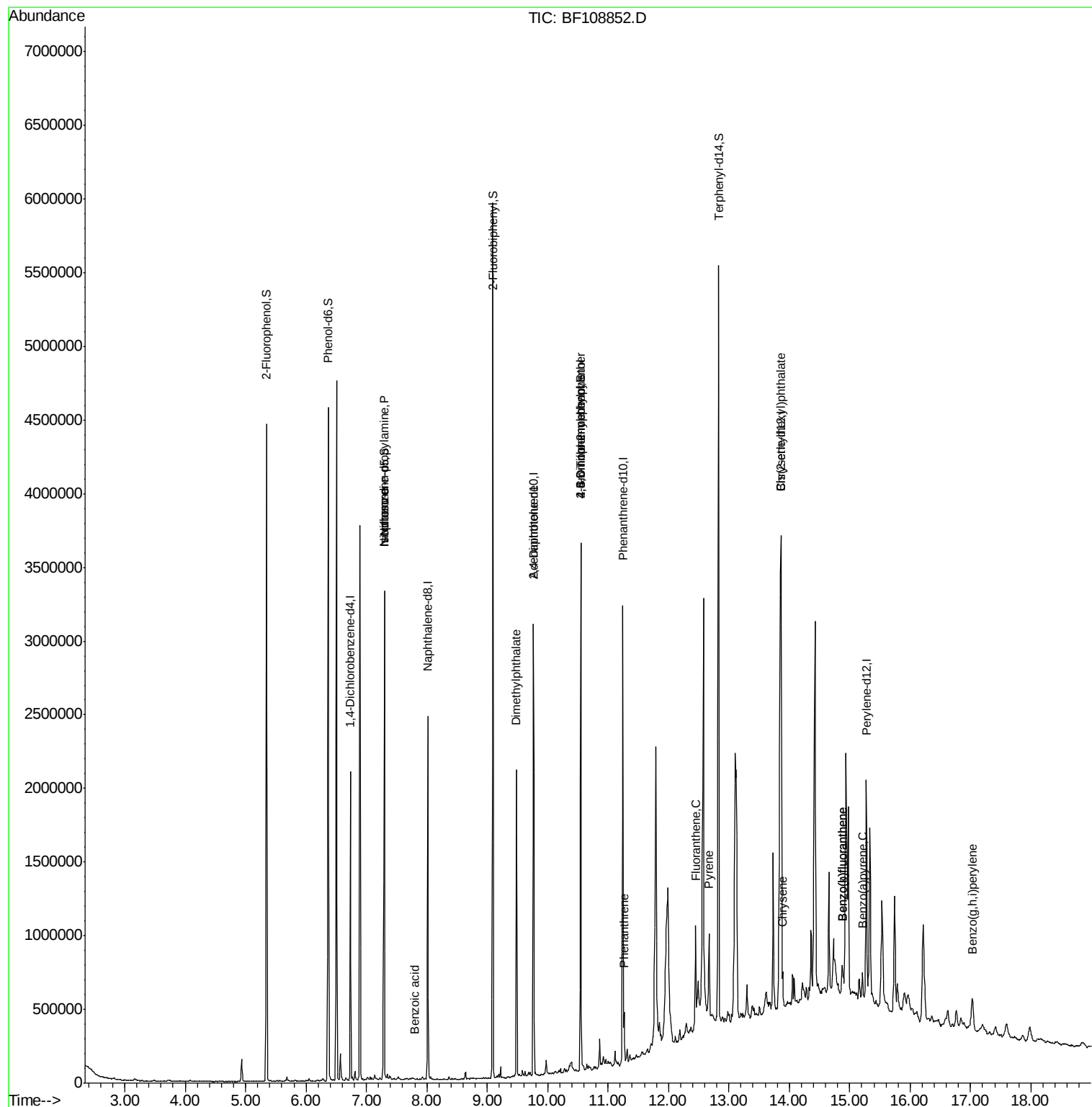
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	146379	9.604	ng	# 77
25) Isophorone	7.30	82	1061176	29.743	ng	# 64
32) Benzoic acid	7.80	122	213	4.039	ng	# 80
49) Dimethylphthalate	9.48	163	810512	20.338	ng	99
56) 2,4-Dinitrotoluene	9.77	165	74013	7.621	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	928	7.054	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	27055	2.198	ng	# 1
70) Phenanthrene	11.27	178	110994	2.132	ng	98
74) Fluoranthene	12.45	202	238663	4.631	ng	99
77) Pyrene	12.67	202	224239	4.442	ng	98
82) Chrysene	13.89	228	88609	2.176	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	74065	2.592	ng	99
87) Benzo(b)fluoranthene	14.88	252	138770	3.710	ng	# 90
88) Benzo(k)fluoranthene	14.88	252	138770	4.029	ng	# 93
89) Benzo(a)pyrene	15.21	252	76181	2.257	ng	# 91
91) Benzo(a,h,i)perylene	17.03	276	61524	2.066	ng	96

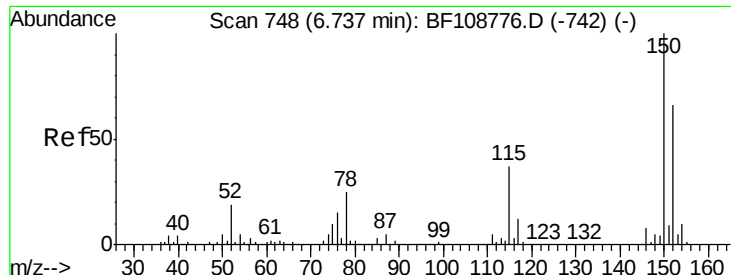
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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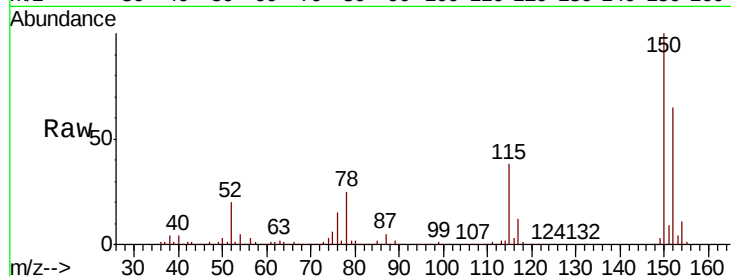


#1

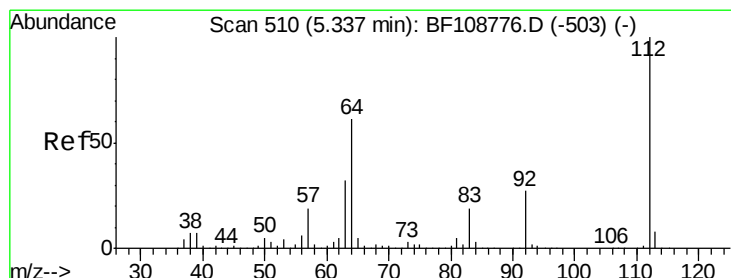
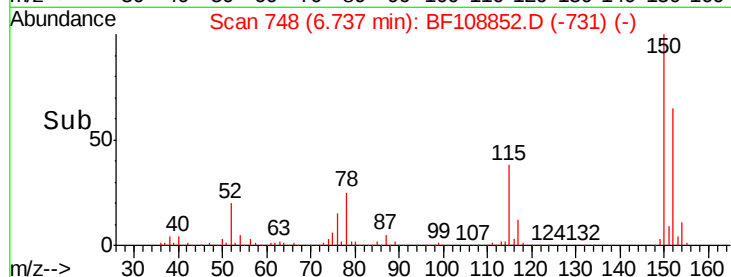
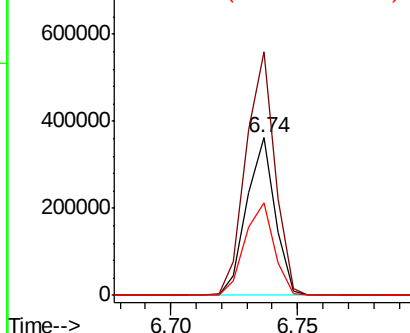
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 282317
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 59.0 50.1 75.1



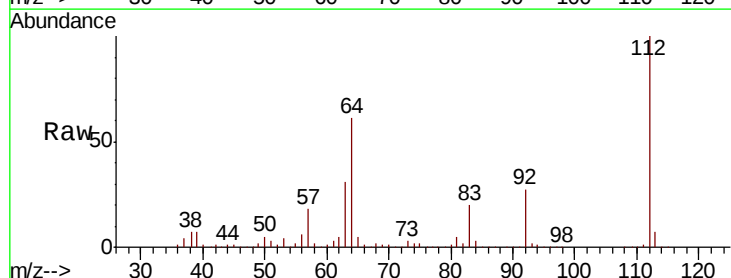
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



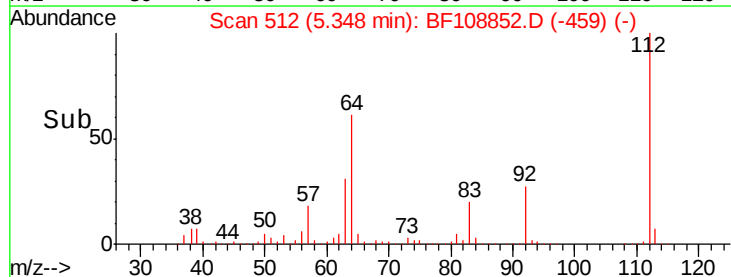
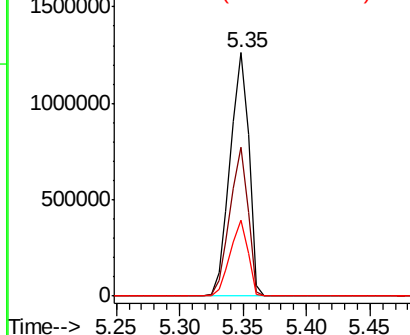
#5

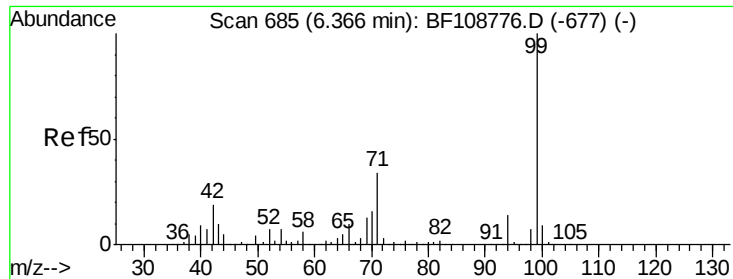
2-Fluorophenol
Concen: 75.814 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Tgt Ion:112 Resp: 1291971
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 31.3 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: 77.761 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

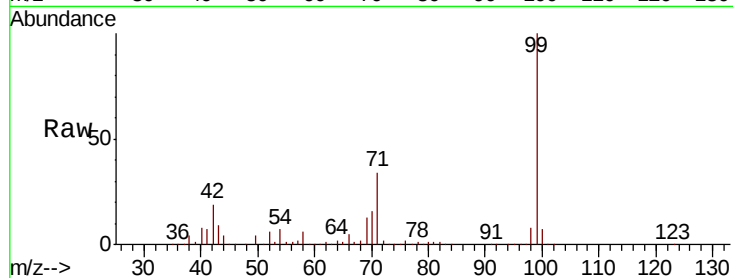
Tot Ion: 99 Resp: 1705003

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

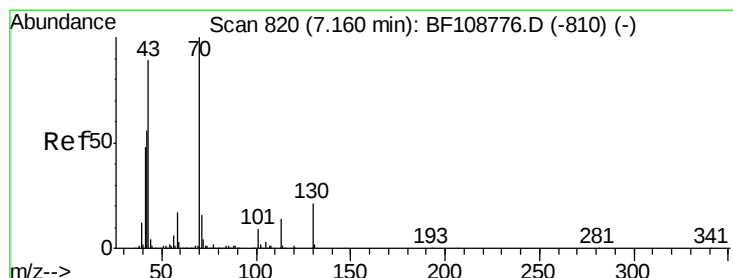
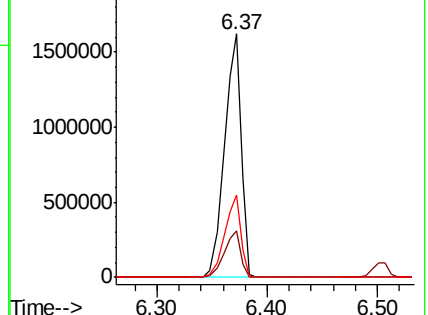
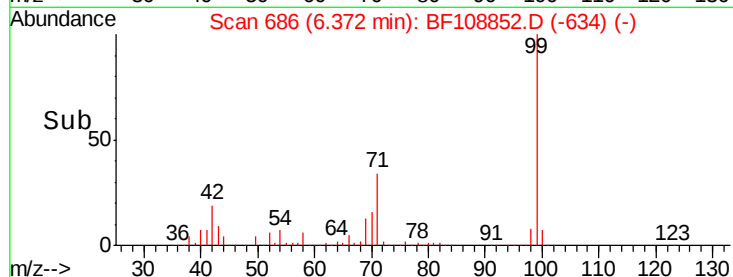
71 34.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.604 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Tgt Ion: 70 Resp: 146379

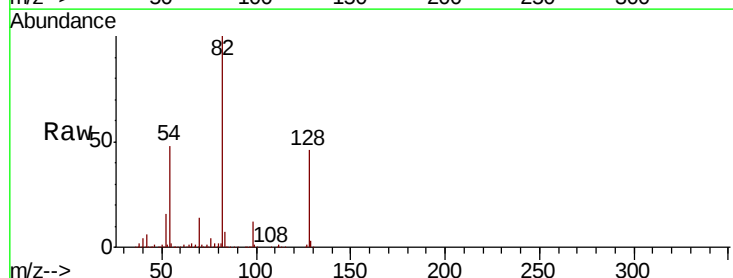
Ion Ratio Lower Upper

70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

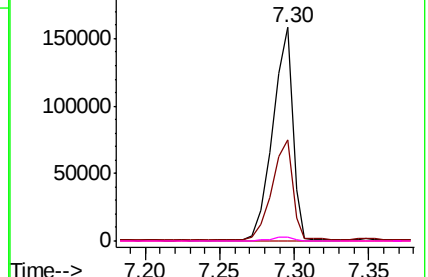
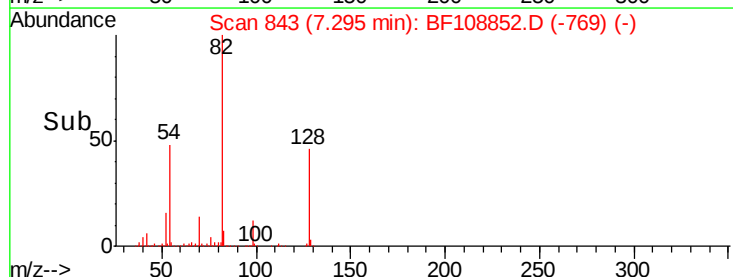


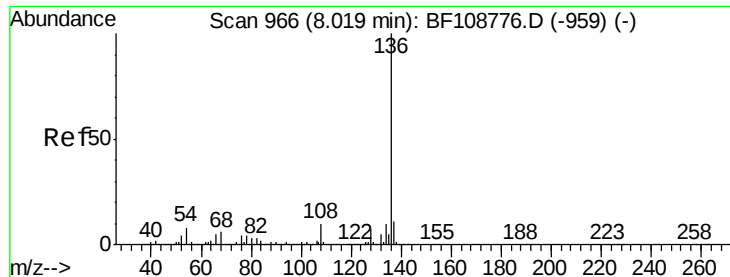
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 1119367

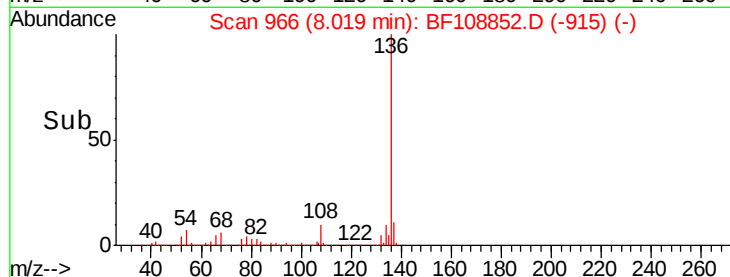
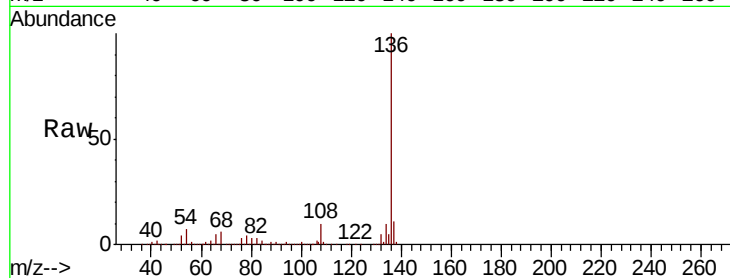
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 6.1 5.0 7.4

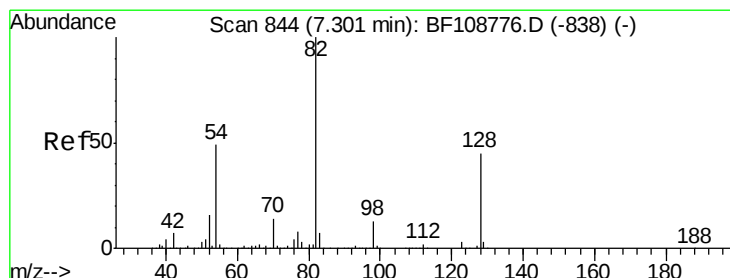
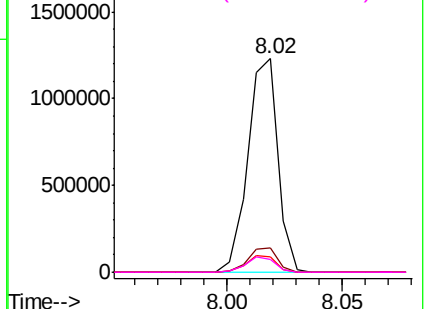


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.034 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

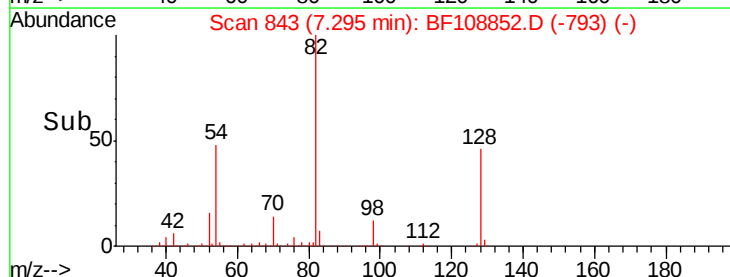
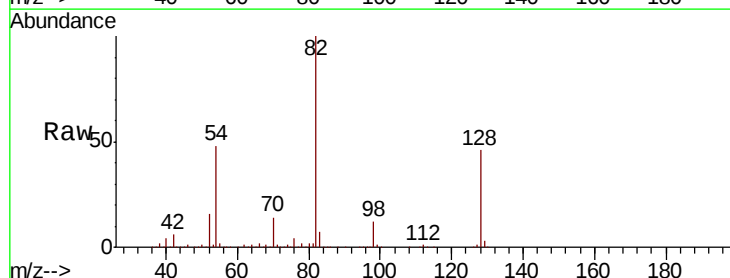
Tgt Ion: 82 Resp: 1073802

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

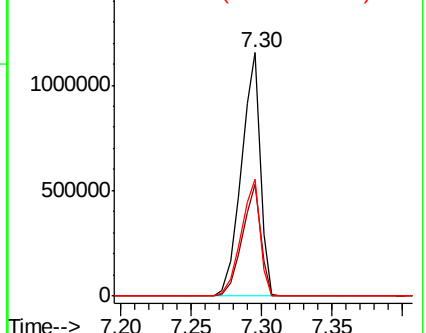
54 47.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.743 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

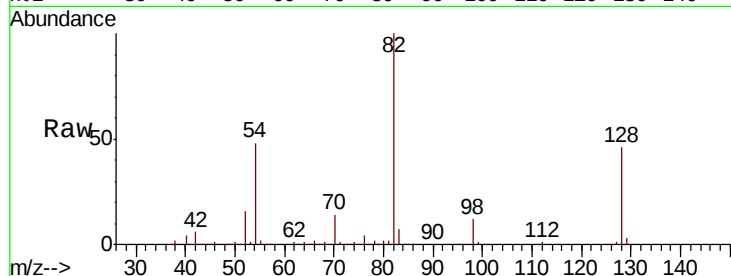
Tot Ion: 82 Resp: 1061176

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

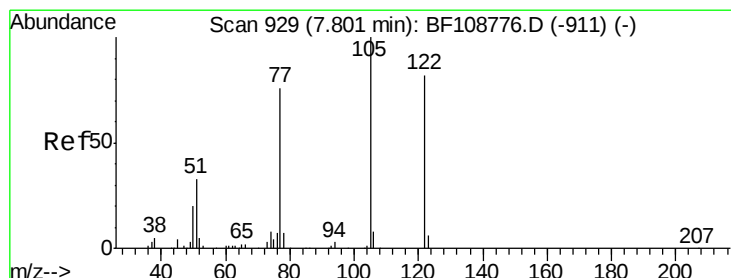
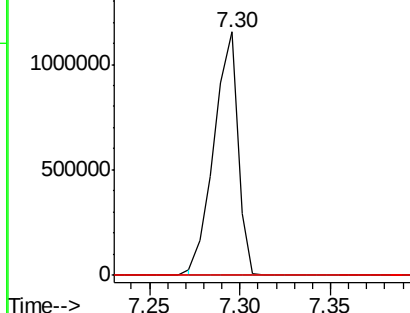
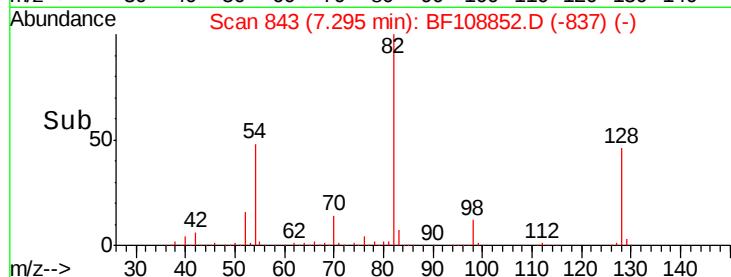
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.039 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

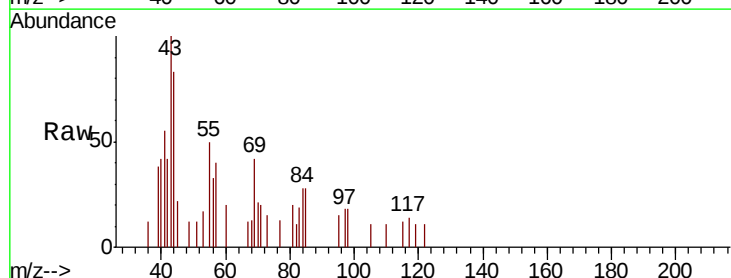
Tgt Ion:122 Resp: 213

Ion Ratio Lower Upper

122 100

105 107.3 101.1 141.1

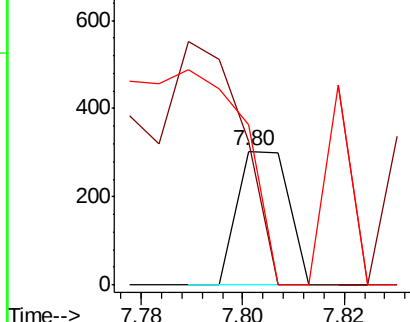
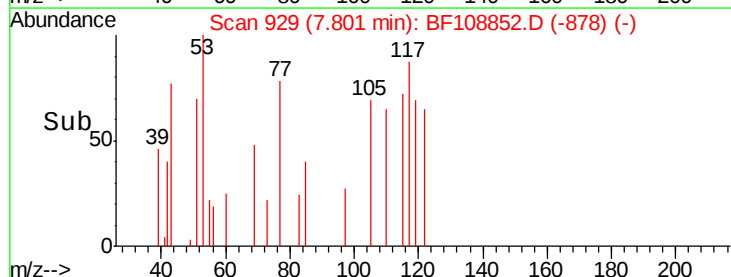
77 120.1 70.7 110.7#

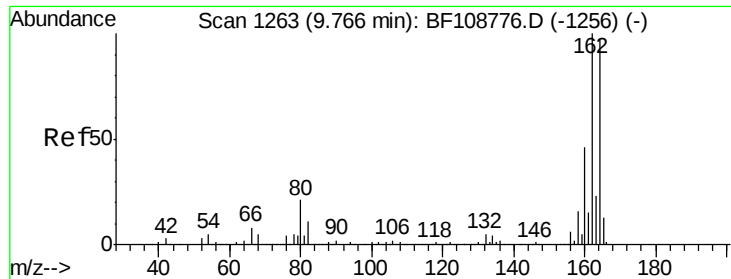


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

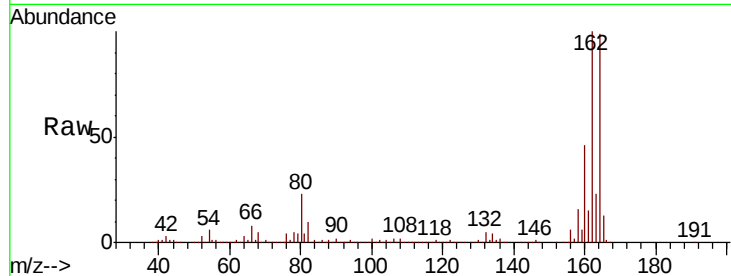




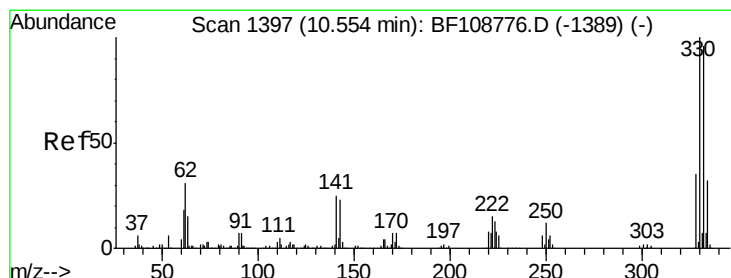
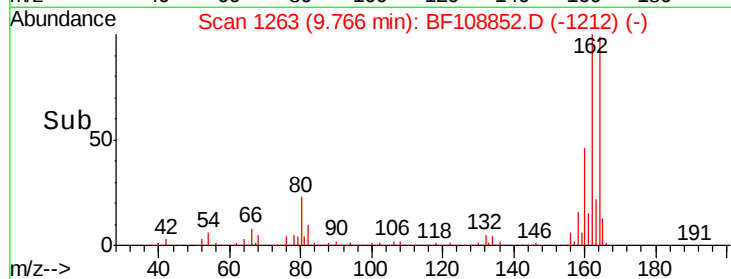
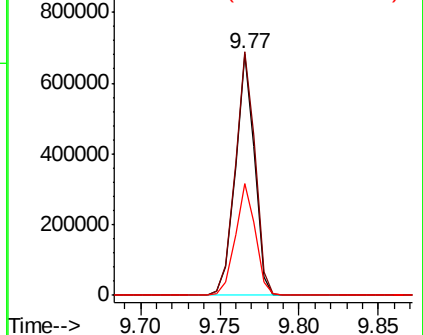
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	46.5	38.3	57.5

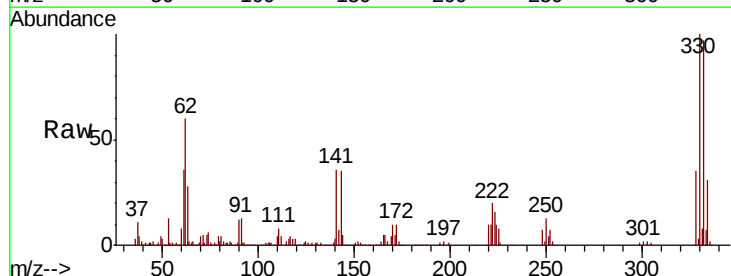


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

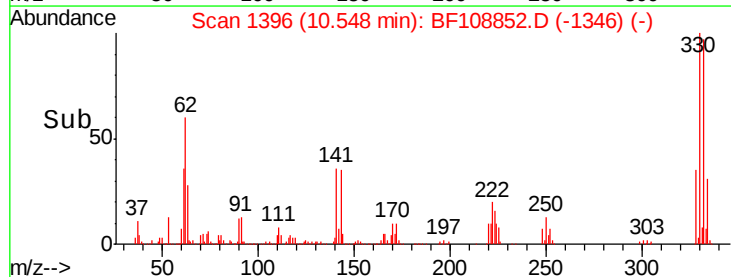
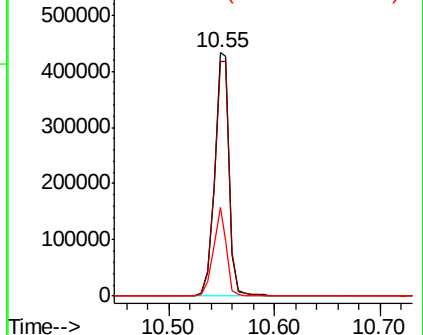


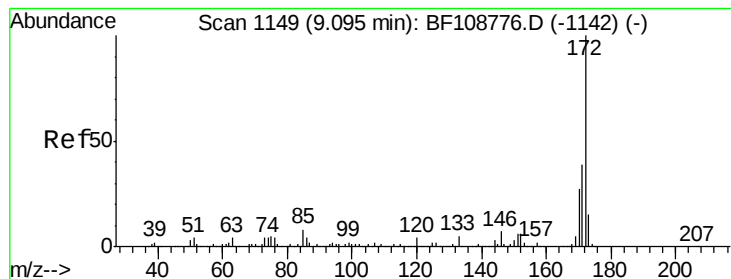
#41
 2,4,6-Tribromophenol
 Concen: 77.968 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	33.0	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

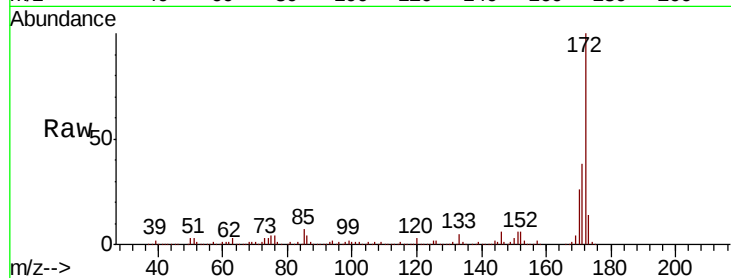




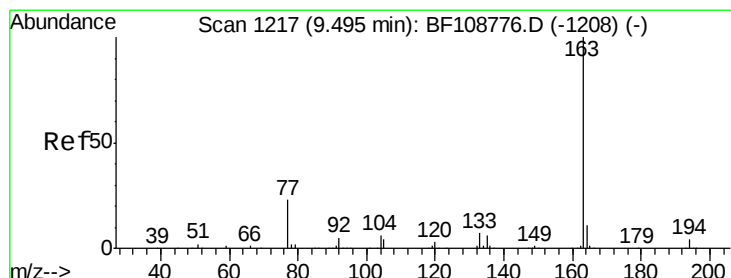
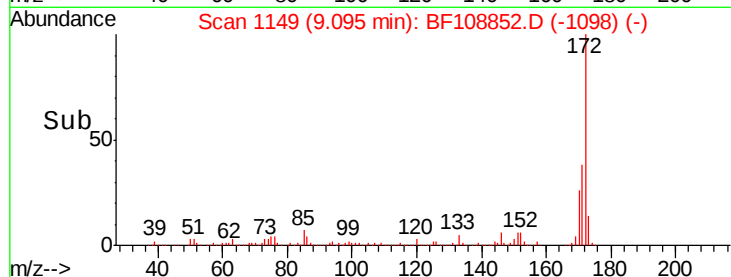
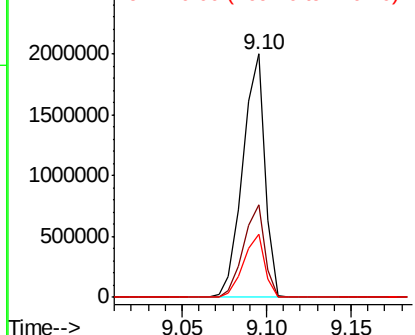
#44
2-Fluorobiphenyl
Concen: 54.728 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1827864
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.9 19.6 29.4

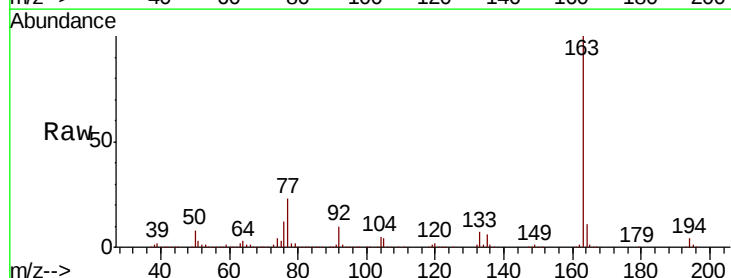


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

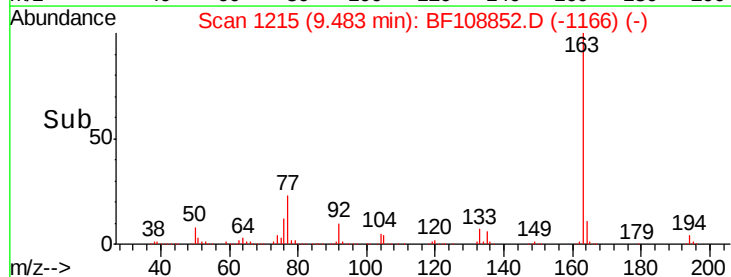
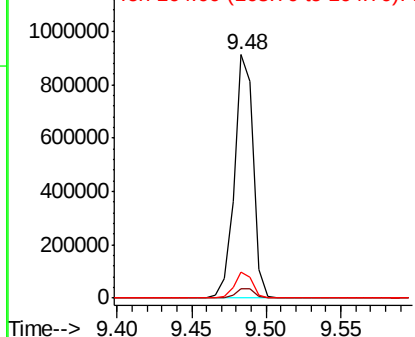


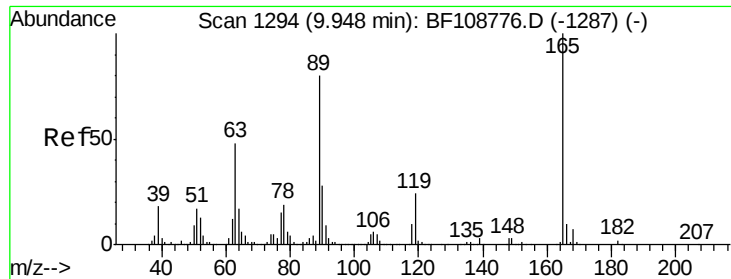
#49
Dimethylphthalate
Concen: 20.338 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Tgt Ion:163 Resp: 810512
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.8 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

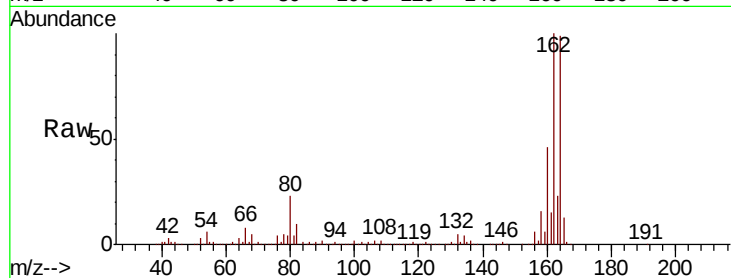




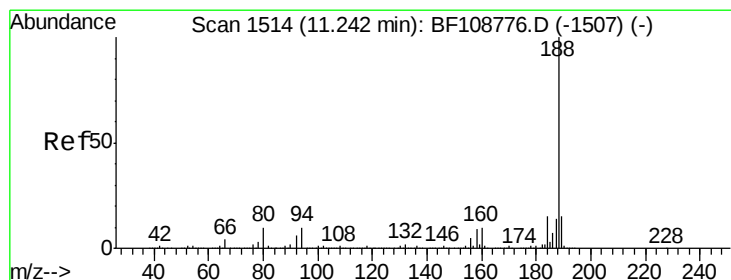
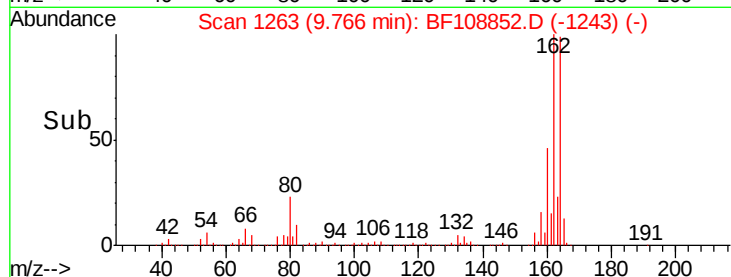
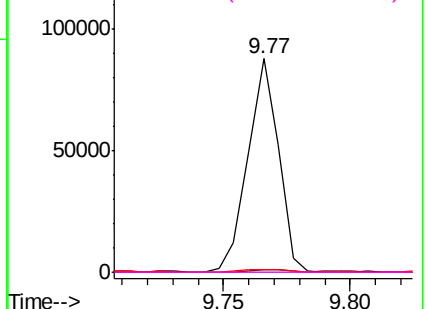
#56
 2,4-Dinitrotoluene
 Concen: 7.621 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 74013
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

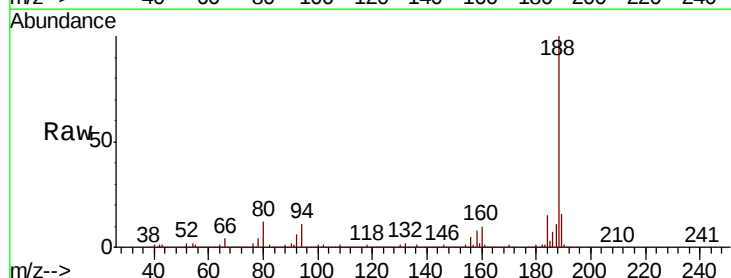


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

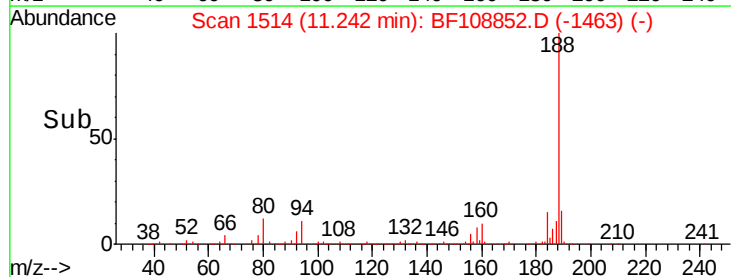
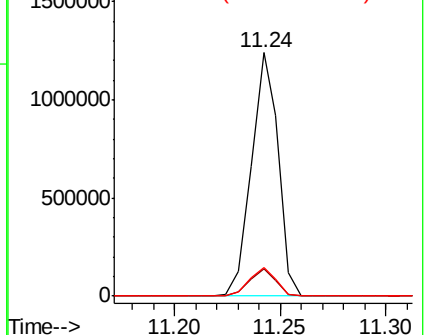


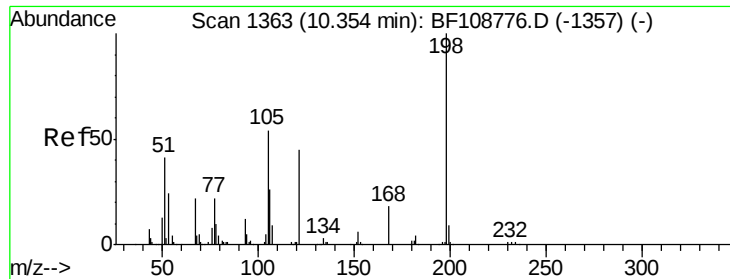
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

Tgt Ion:188 Resp: 1089937
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.054 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

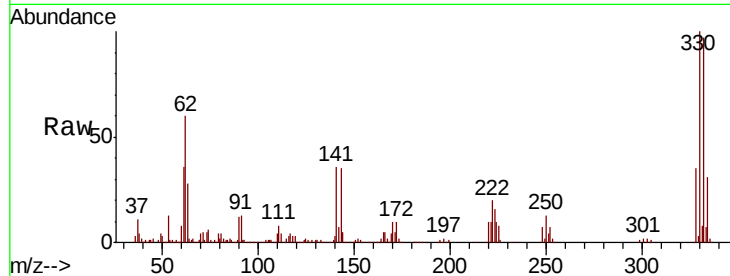
Tot Ion:198 Resp: 928

Ion Ratio Lower Upper

198 100

51 168.1 37.7 77.7#

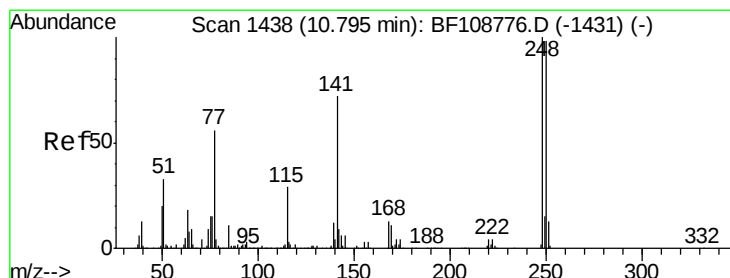
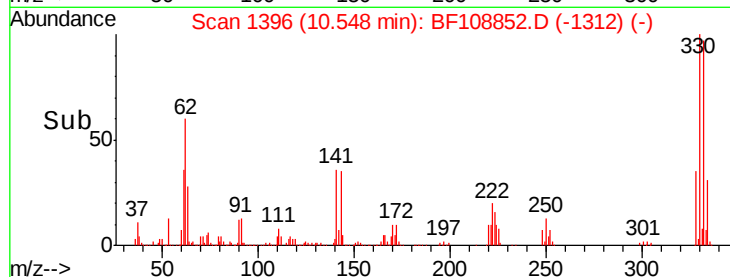
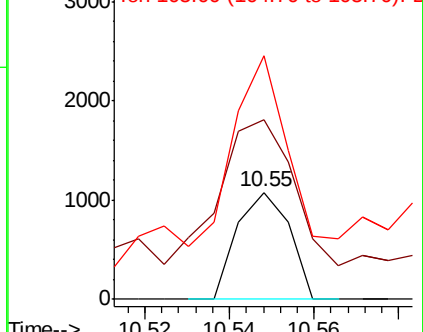
105 227.7 36.3 76.3#



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: 2.198 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.25 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

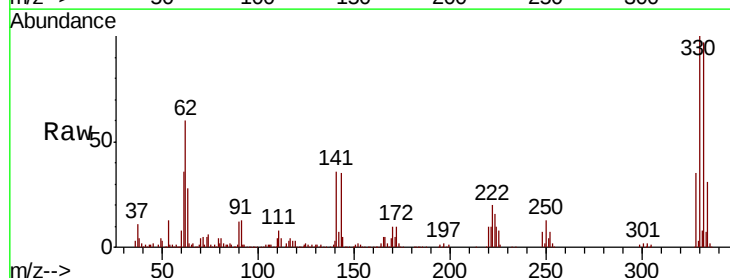
Tgt Ion:248 Resp: 27055

Ion Ratio Lower Upper

248 100

250 193.7 76.9 115.3#

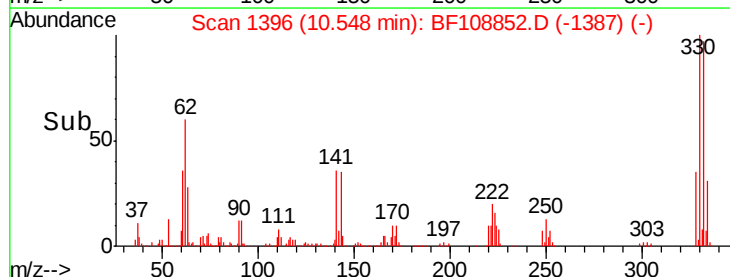
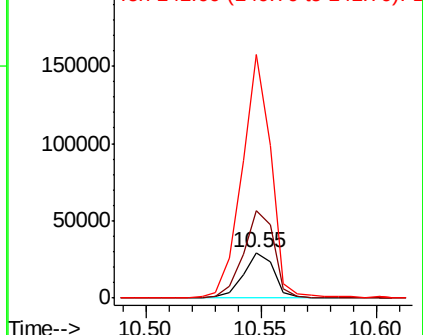
141 536.6 74.4 111.6#

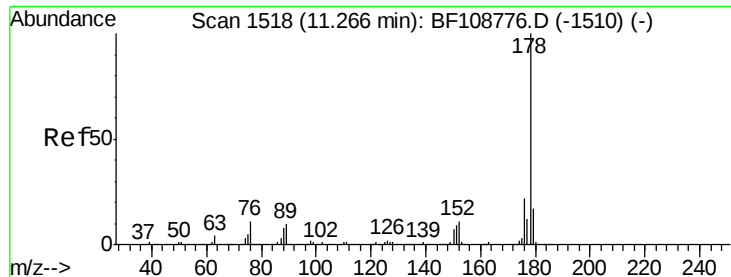


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

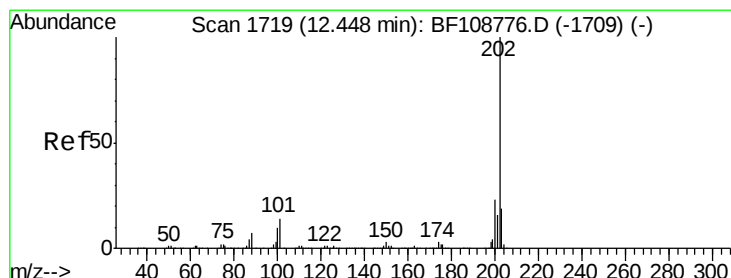
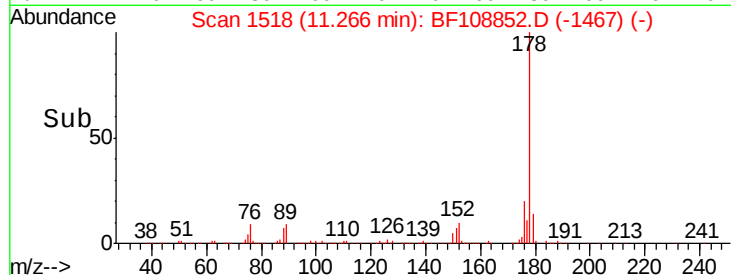
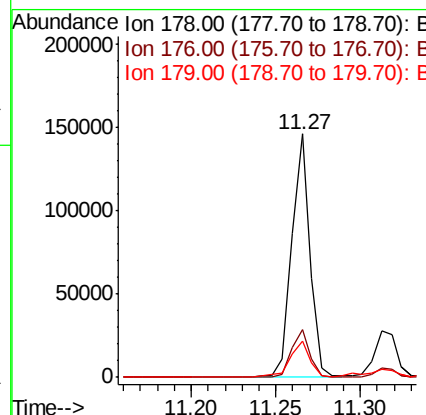
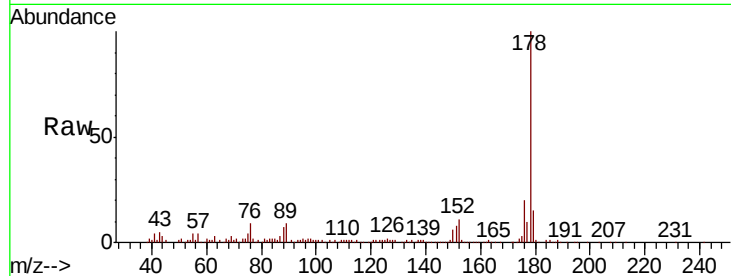




#70
Phenanthrene
Concen: 2.132 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

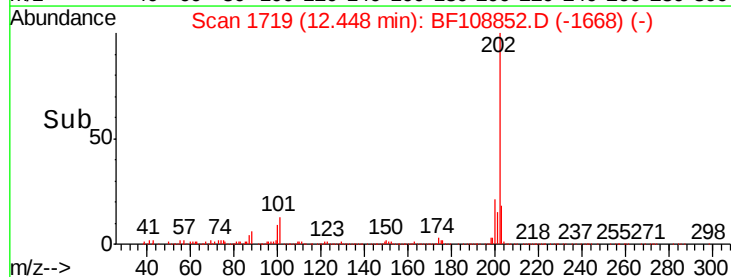
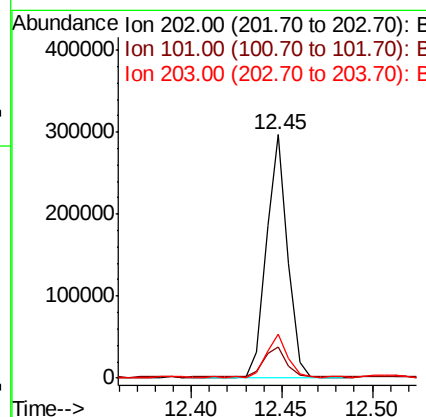
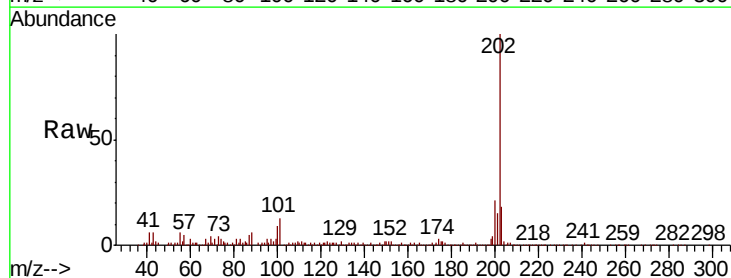
Instrument :
BNA_G
ClientSampleId :

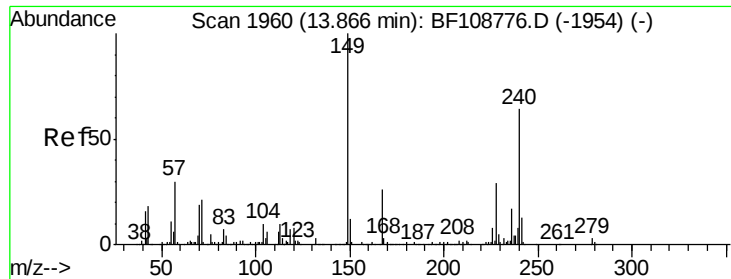
Tot Ion:178 Resp: 110994
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 14.8 13.0 19.6



#74
Fluoranthene
Concen: 4.631 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Tgt Ion:202 Resp: 238663
Ion Ratio Lower Upper
202 100
101 12.9 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampled :

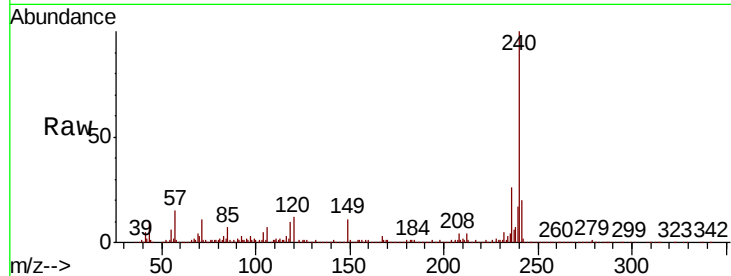
Tot Ion:240 Resp: 656114

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

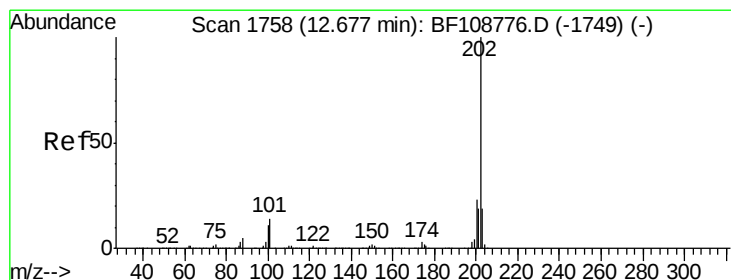
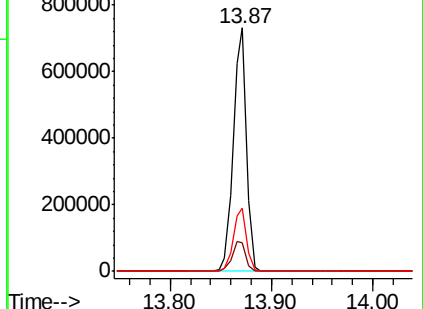
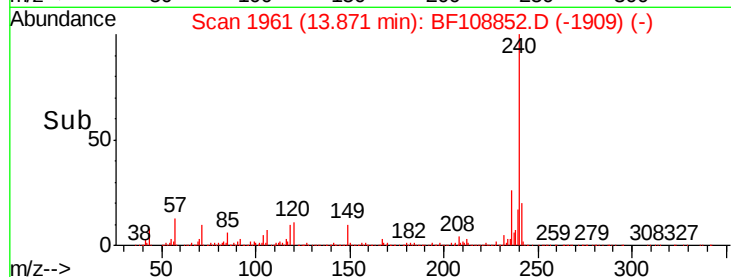
236 26.2 20.7 31.1



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: 4.442 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

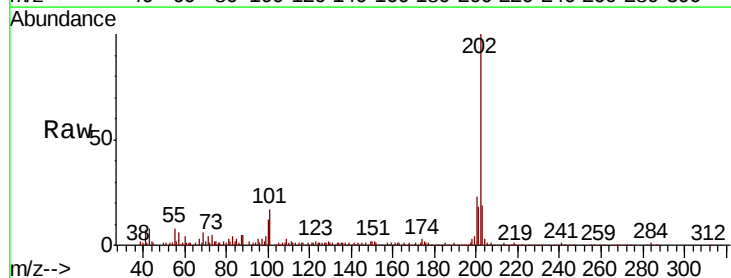
Tgt Ion:202 Resp: 224239

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

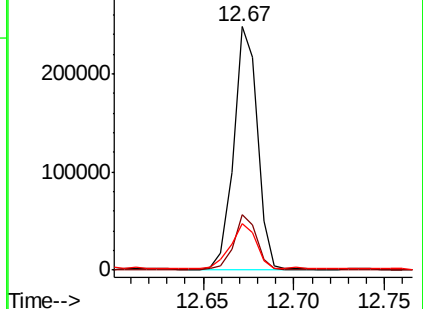
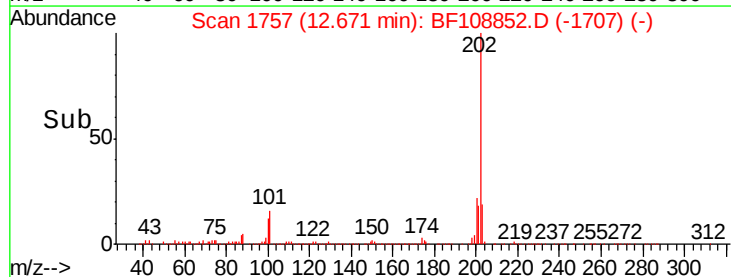
203 19.0 14.3 21.5

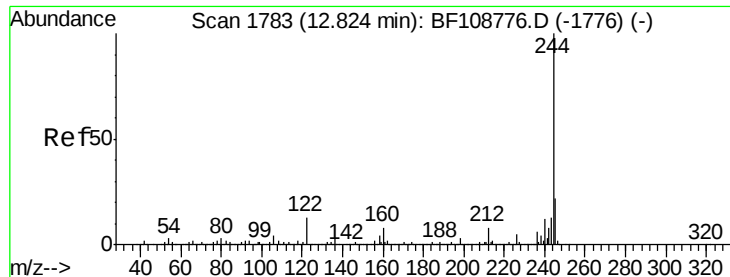


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

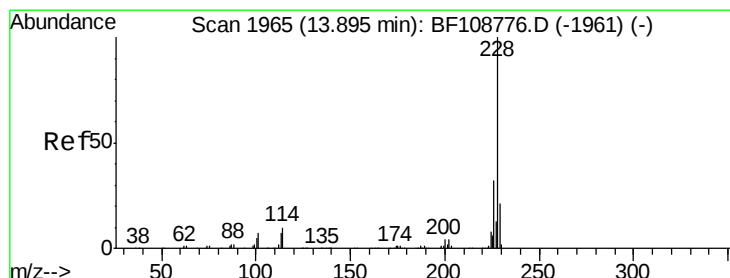
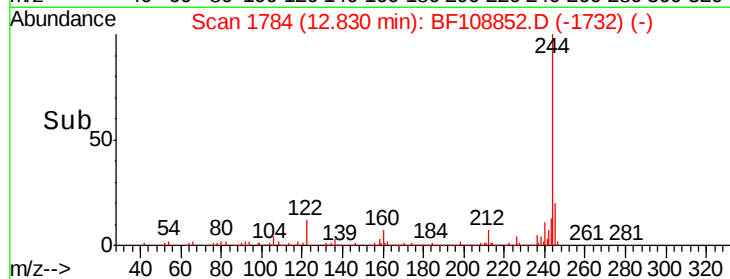
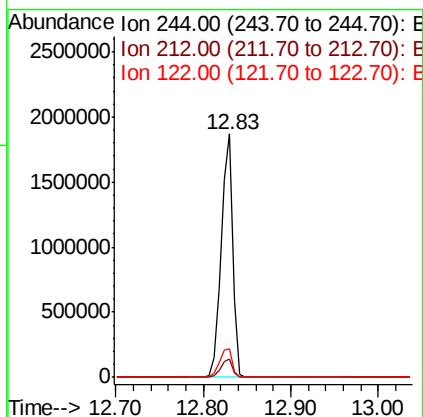
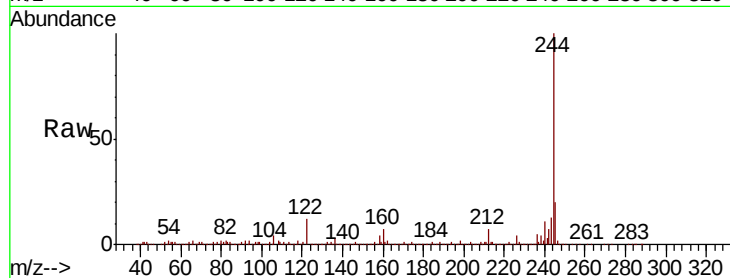




#78
 Terphenyl-d14
 Concen: 60.999 ng
 RT: 12.83 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

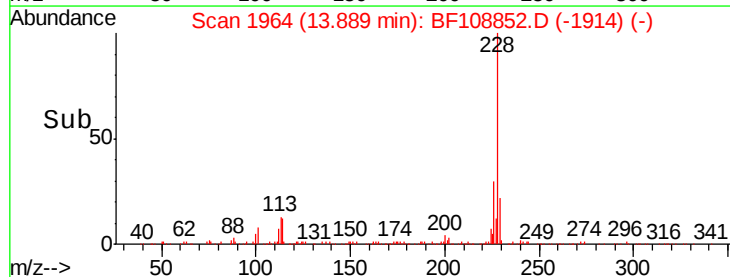
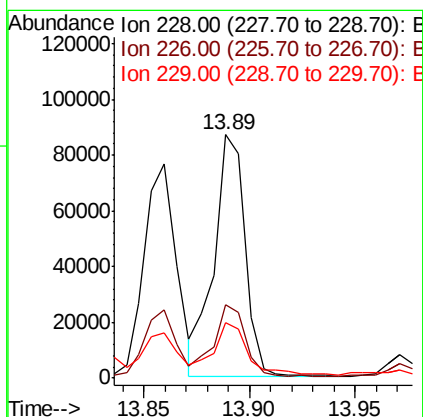
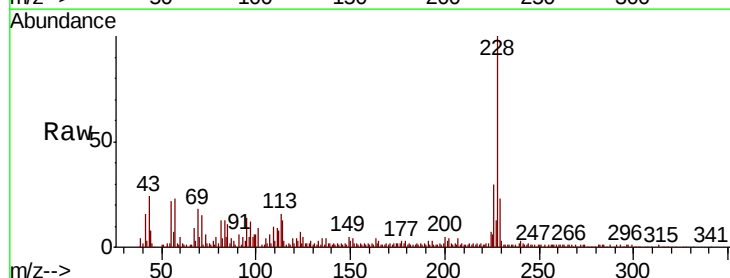
Instrument :
 BNA_G
 ClientSampled :

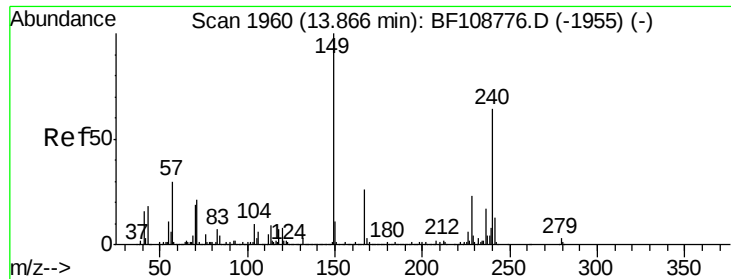
Tot Ion:244 Resp: 1716296
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 11.7 11.0 16.4



#82
 Chrysene
 Concen: 2.176 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF108852.D
 Acq: 7 Sep 2018 11:31

Tgt Ion:228 Resp: 88609
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.0 37.6
 229 22.6 16.2 24.4

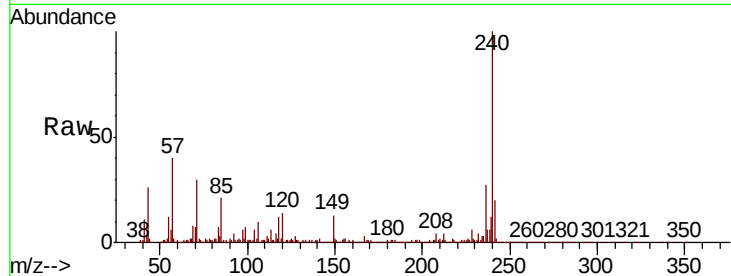




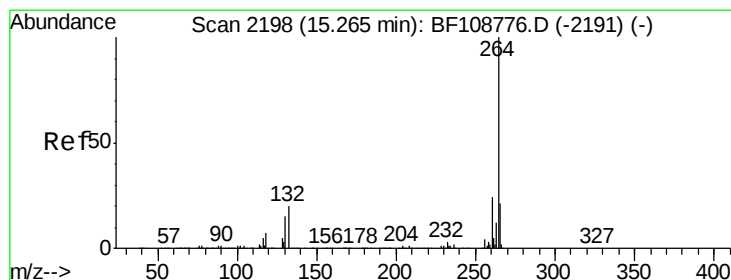
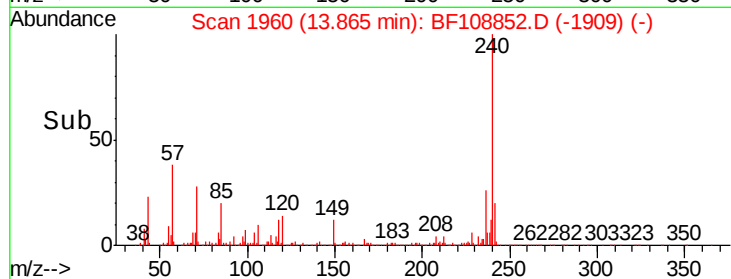
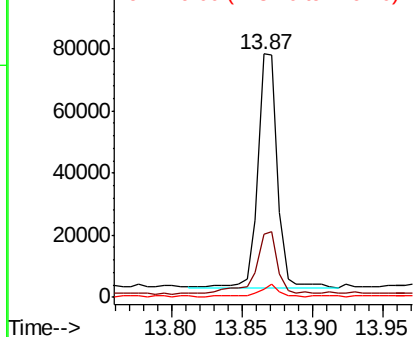
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.592 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.3	31.9
279	3.5	3.0	4.4

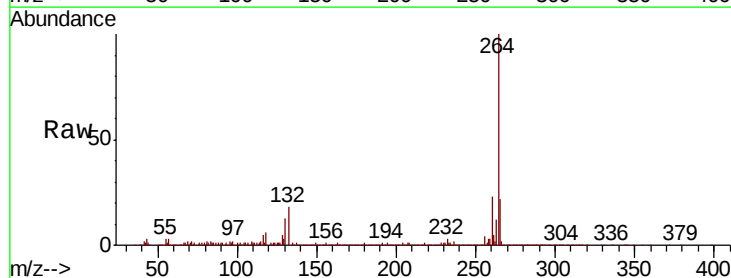


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

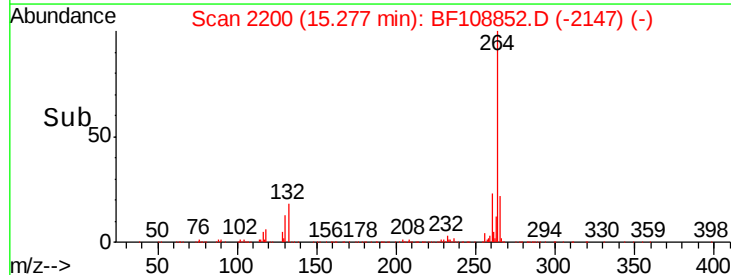
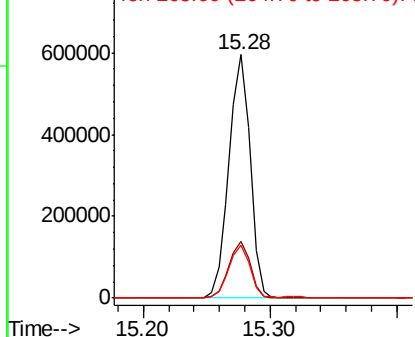


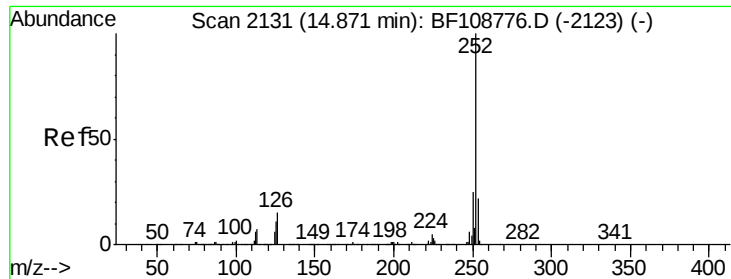
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108852.D
Acq: 7 Sep 2018 11:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.8	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: 3.710 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

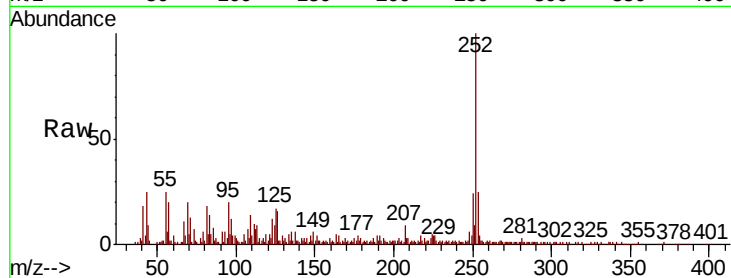
Tot Ion:252 Resp: 138770

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

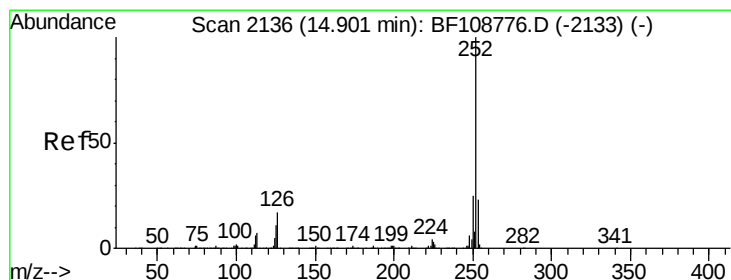
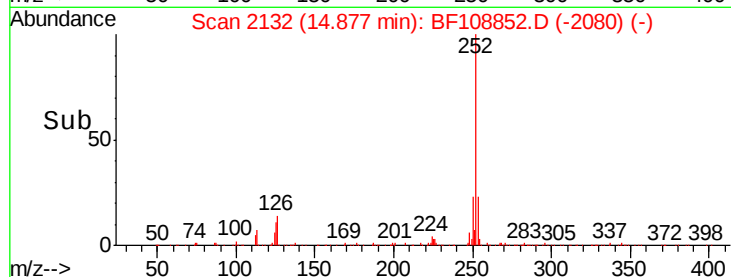
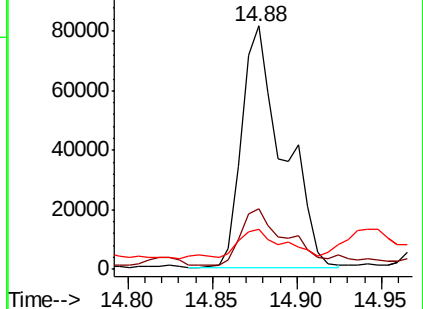
125 16.5 9.0 13.6#



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: 4.029 ng

RT: 14.88 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

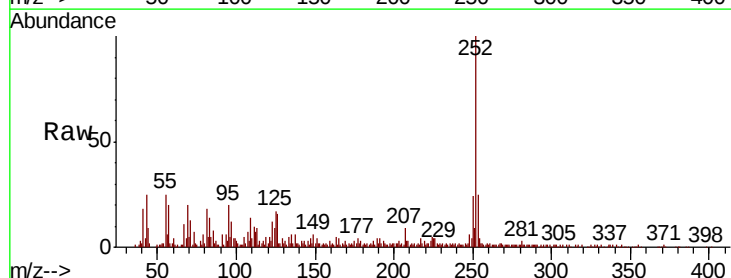
Tgt Ion:252 Resp: 138770

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

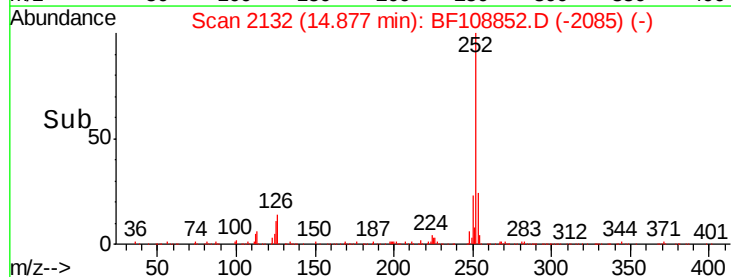
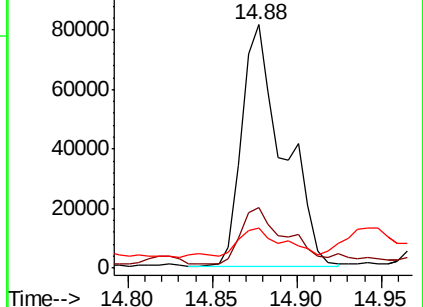
125 16.5 10.2 15.2#

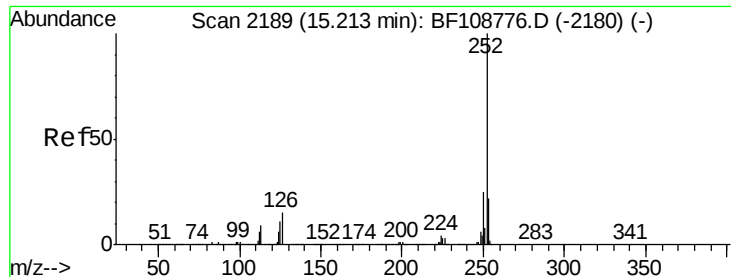


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.257 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

Instrument :

BNA_G

ClientSampleId :

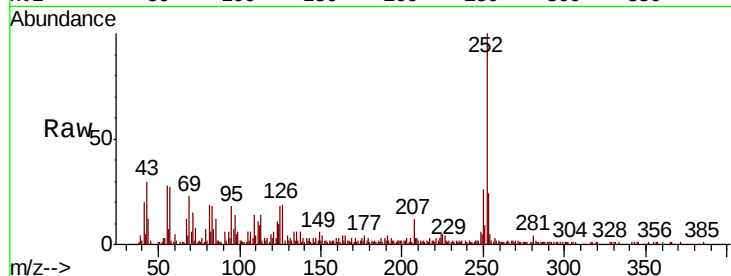
Tot Ion:252 Resp: 76181

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

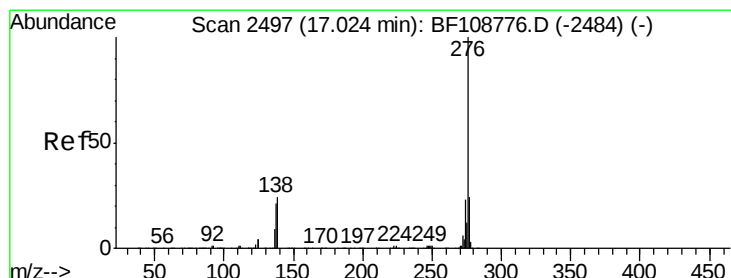
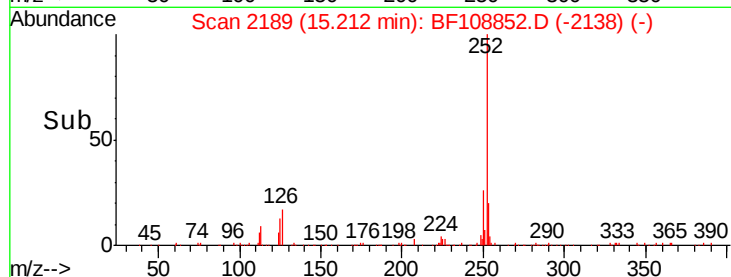
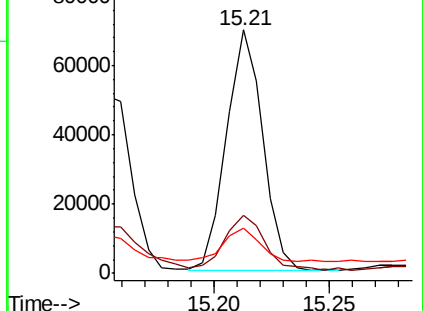
125 18.5 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.066 ng

RT: 17.03 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BF108852.D

Acq: 7 Sep 2018 11:31

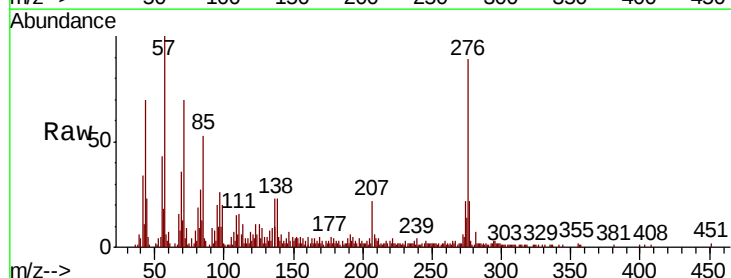
Tgt Ion:276 Resp: 61524

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 25.6 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

