

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092515\
 Data File : BF081812.D
 Acq On : 25 Sep 2015 19:55
 Operator : UM/IZ
 Sample : G3753-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2RE

Quant Time: Sep 25 23:24:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	148035	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	513604	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	258667	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	425601	20.00	ng	0.00
75) Chrysene-d12	14.12	240	331431	20.00	ng	0.00
86) Perylene-d12	15.60	264	310340	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	829974	94.85	ng	0.00
7) Phenol-d6	6.57	99	1166028	105.35	ng	0.00
23) Nitrobenzene-d5	7.51	82	653218	83.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	253885	113.05	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1409032	89.42	ng	0.00
78) Terphenyl-d14	13.06	244	983673	67.80	ng	0.00

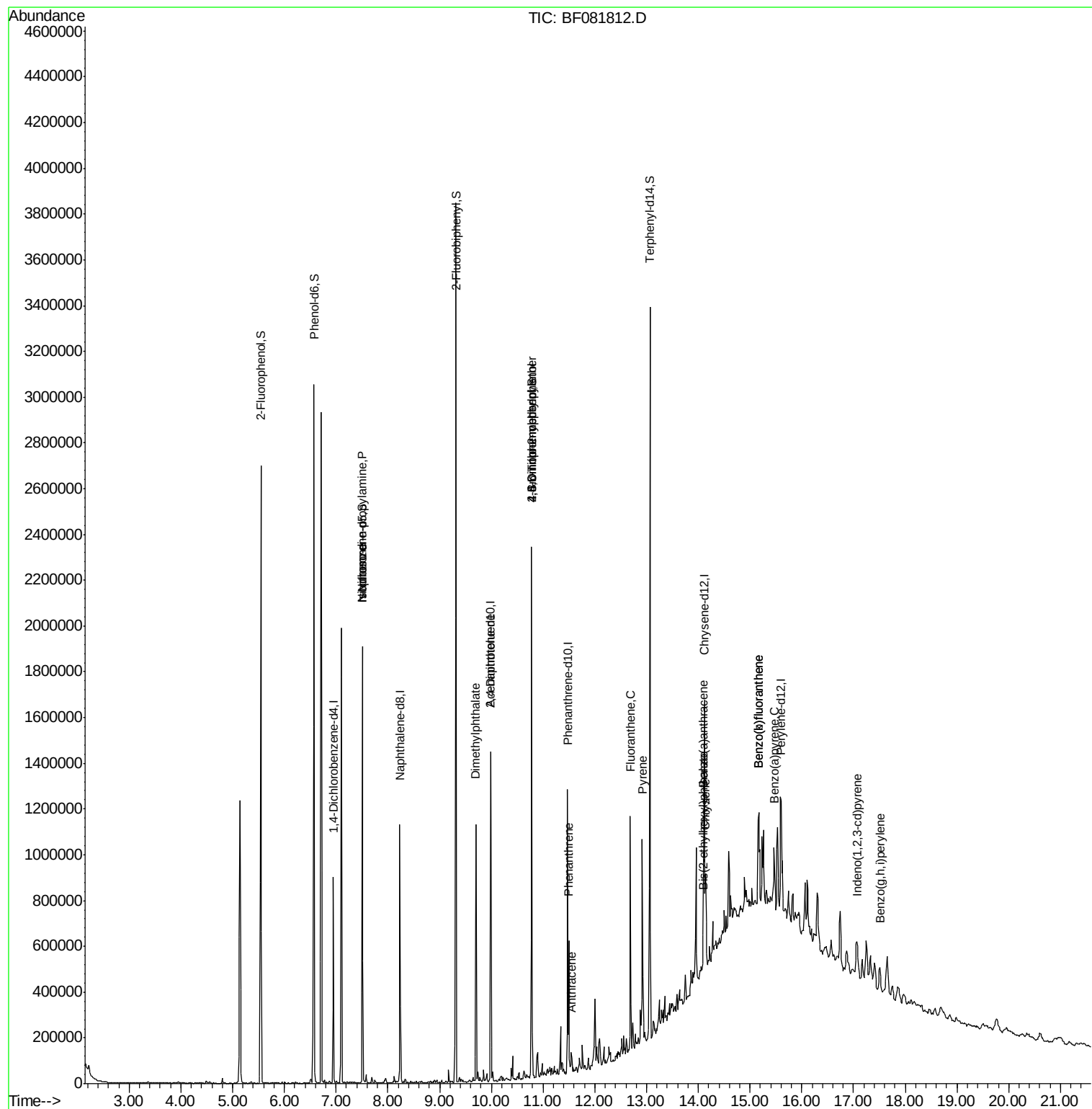
Target Compounds						Qvalue	
19) n-Nitroso-di-n-propylamine	7.51	70	88131	11.94	ng	#	60
25) Isophorone	7.51	82	560742	32.52	ng	#	58
49) Dimethylphthalate	9.70	163	401486	20.40	ng	#	97
56) 2,4-Dinitrotoluene	9.99	165	34046	7.49	ng	#	33
64) 4,6-Dinitro-2-methylphenol	10.78	198	538	8.29	ng	#	1
66) 4-Bromophenyl-phenylether	10.78	248	17674	3.73	ng	#	1
70) Phenanthrene	11.50	178	195281	8.03	ng		98
71) Anthracene	11.56	178	47880	2.04	ng		99
74) Fluoranthene	12.69	202	396616	16.18	ng		92
77) Pyrene	12.92	202	373137	14.93	ng		96
80) Benzo(a)anthracene	14.10	228	248686	12.37	ng	#	91
82) Chrysene	14.14	228	185132	9.61	ng		92
83) Bis(2-ethylhexyl)phthalate	14.09	149	34684	2.87	ng	#	95
85) Indeno(1,2,3-cd)pyrene	17.06	276	103259	5.85	ng	#	83
87) Benzo(b)fluoranthene	15.17	252	349577	19.00	ng	#	88
88) Benzo(k)fluoranthene	15.17	252	349577	19.72	ng	#	89
89) Benzo(a)pyrene	15.46	252	133851	8.06	ng		92
91) Benzo(g,h,i)perylene	17.51	276	98598	5.52	ng	#	76

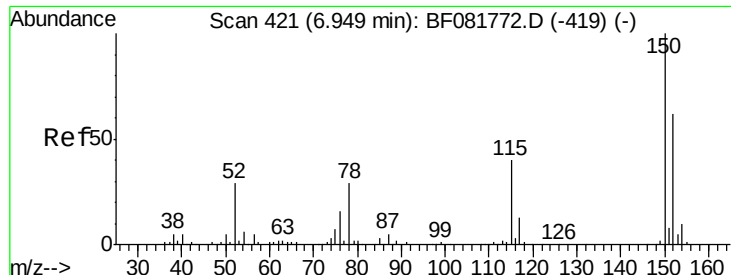
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

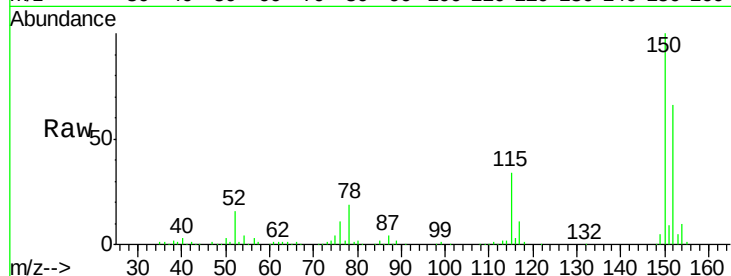
Tgt Ion:152 Resp: 148035

Ion Ratio Lower Upper

152 100

150 152.1 124.7 187.1

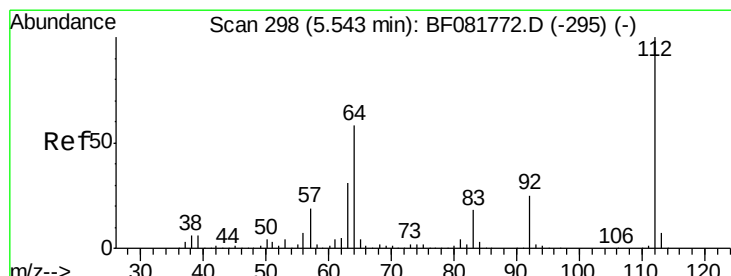
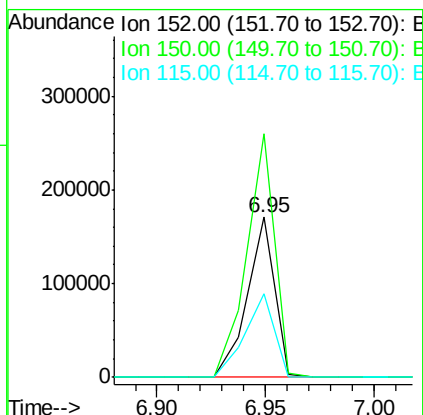
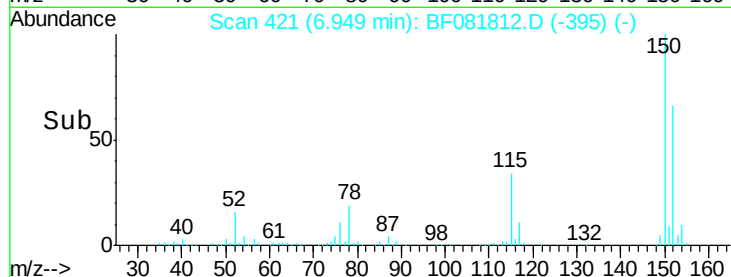
115 52.3 39.0 58.4



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: 94.85 ng

RT: 5.54 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

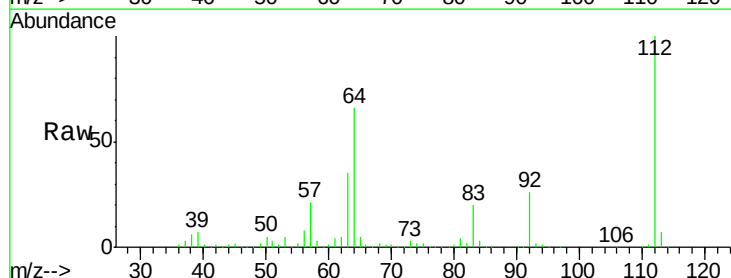
Tgt Ion:112 Resp: 829974

Ion Ratio Lower Upper

112 100

64 65.9 39.7 59.5#

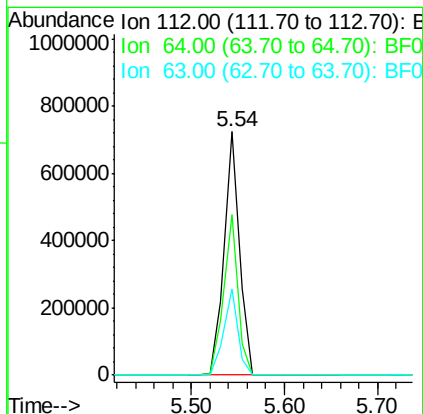
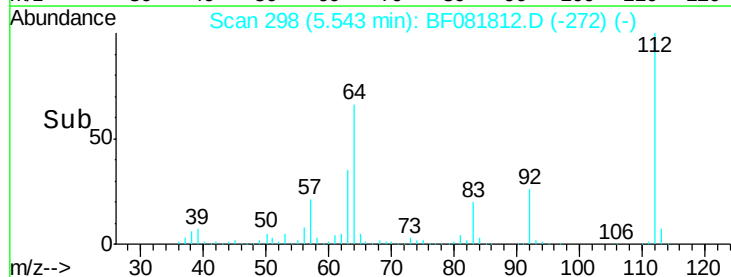
63 35.2 17.4 26.0#

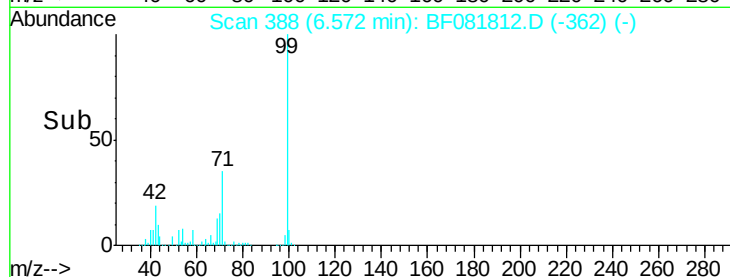
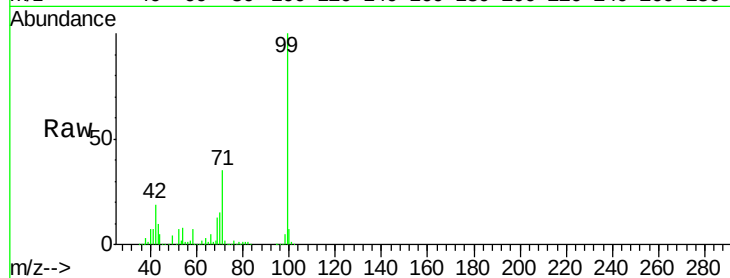
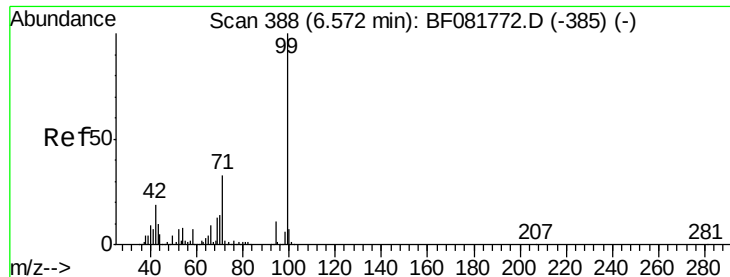


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.35 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

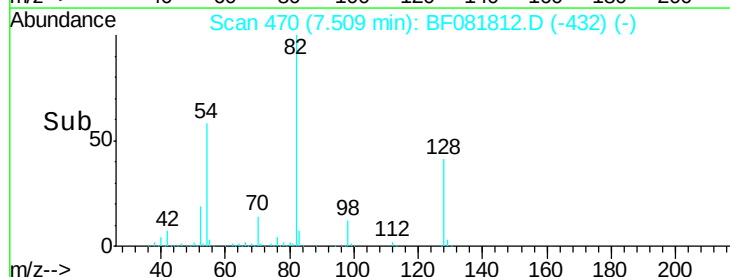
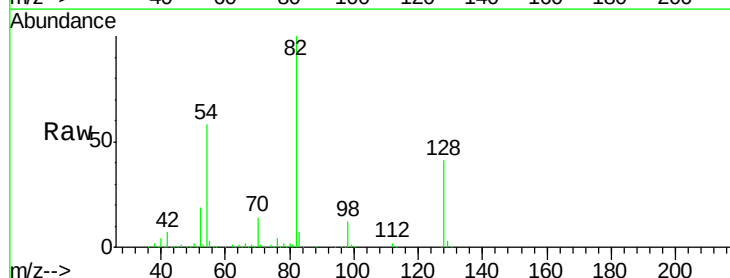
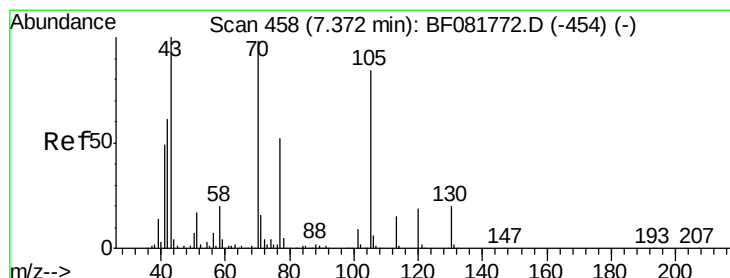
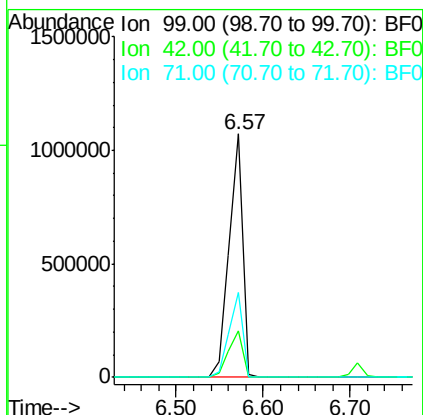
Tgt Ion: 99 Resp: 1166028

Ion Ratio Lower Upper

99 100

42 19.0 13.7 20.5

71 35.0 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.94 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Tgt Ion: 70 Resp: 88131

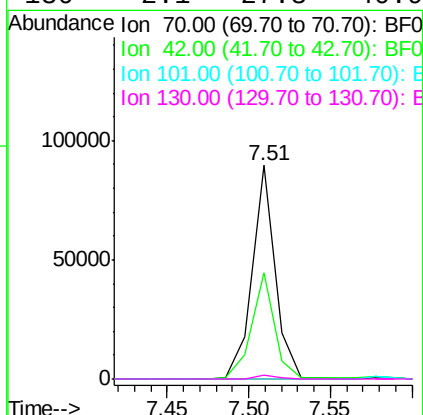
Ion Ratio Lower Upper

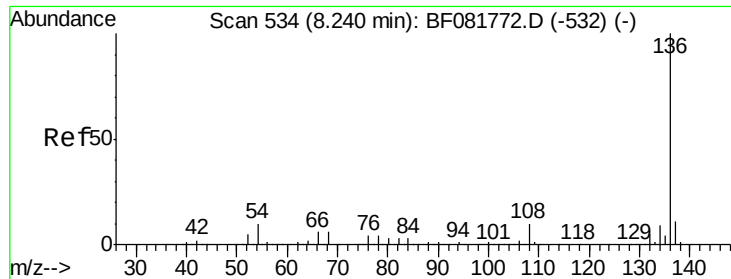
70 100

42 49.5 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

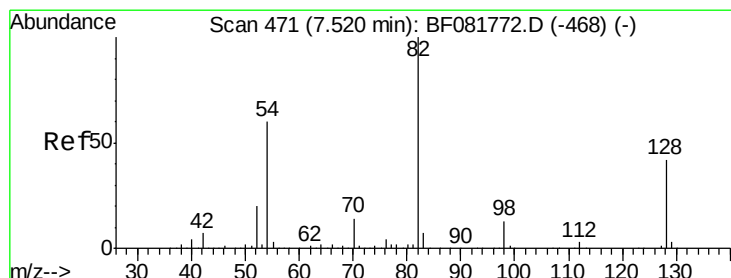
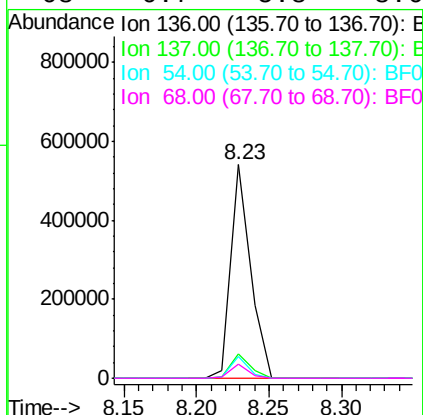
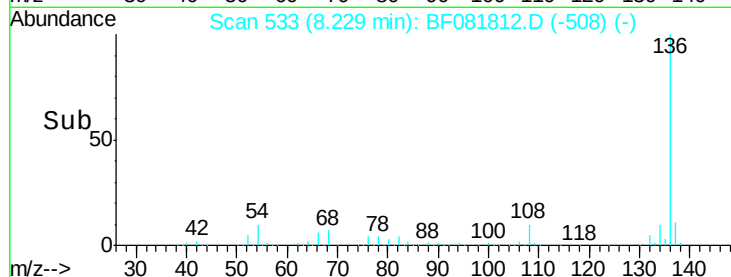
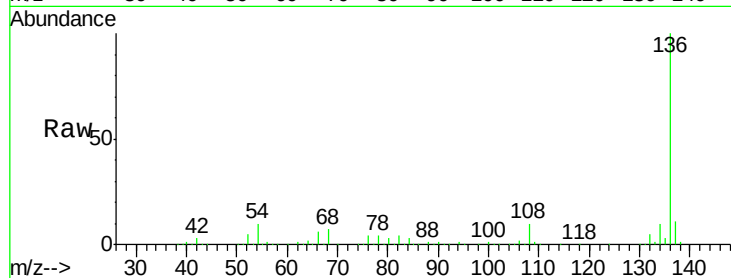




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081812.D
Acq: 25 Sep 2015 19:55

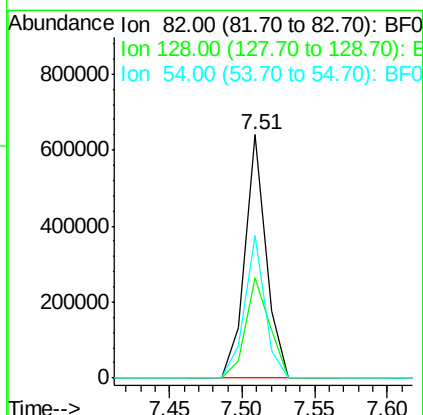
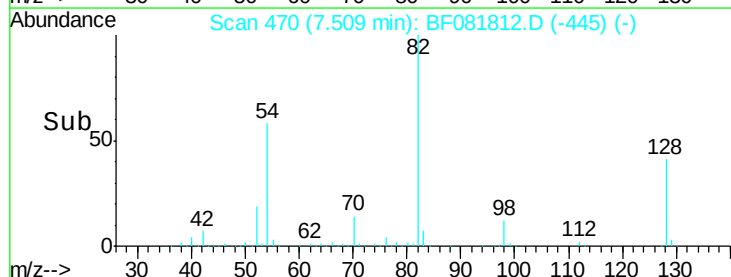
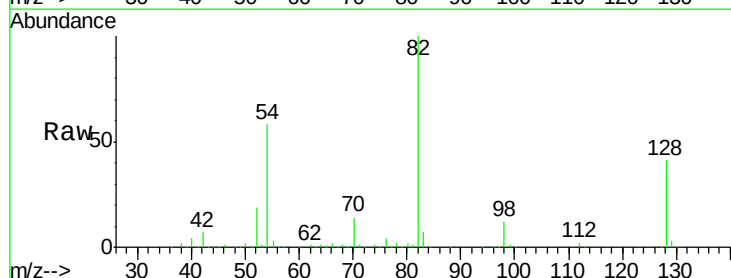
Instrument :
BNA_F
ClientSampleId :
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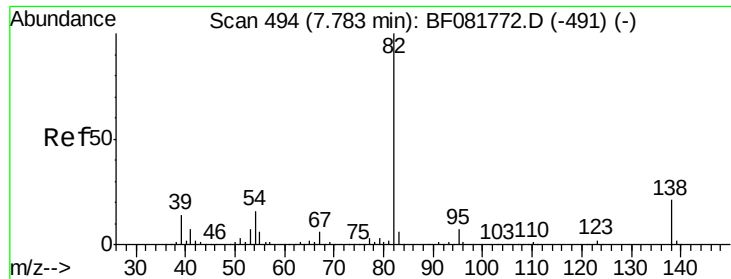
Tgt Ion:	136	Resp:	513604
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	10.1	8.2	12.2
68	6.7	5.8	8.6



#23
Nitrobenzene-d5
Concen: 83.92 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081812.D
Acq: 25 Sep 2015 19:55

Tgt Ion:	82	Resp:	653218
Ion	Ratio	Lower	Upper
82	100		
128	41.3	51.0	76.6#
54	58.4	47.5	71.3





#25

Isophorone

Concen: 32.52 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.27 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

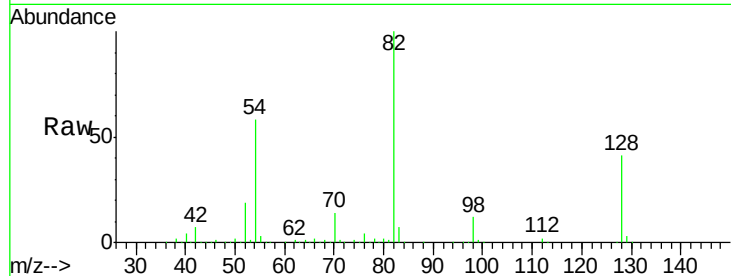
Tgt Ion: 82 Resp: 560742

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

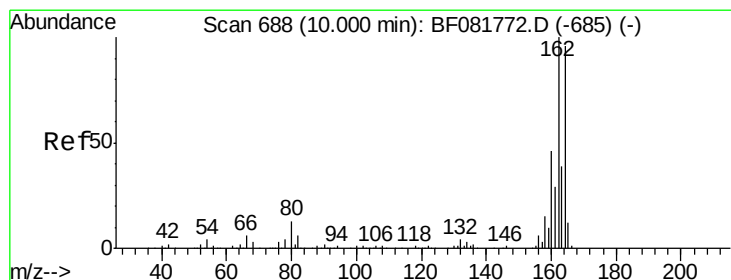
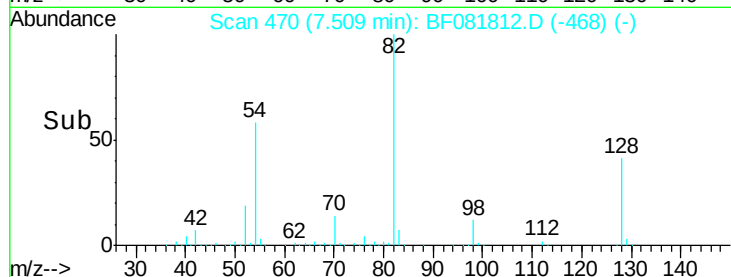
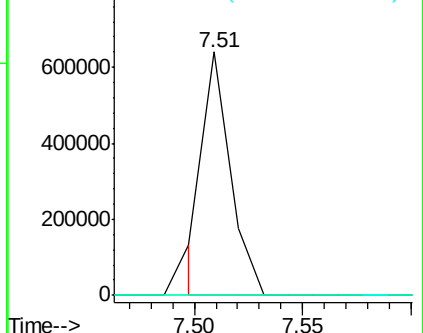
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

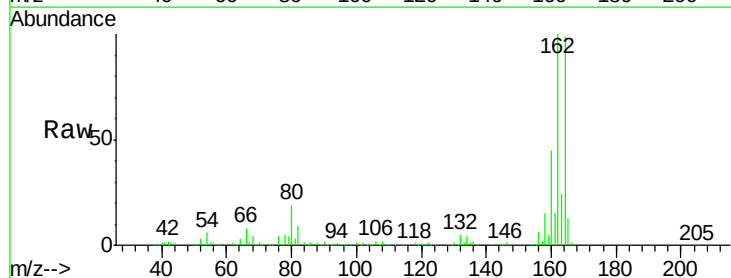
Tgt Ion: 164 Resp: 258667

Ion Ratio Lower Upper

164 100

162 101.5 75.2 112.8

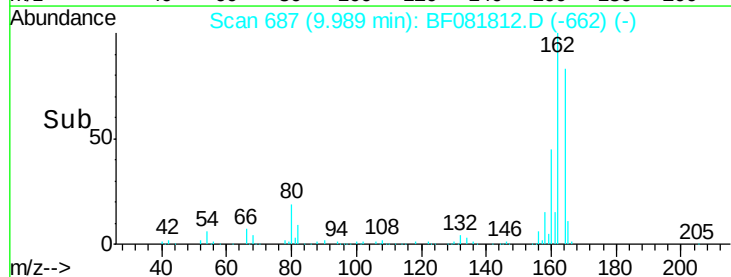
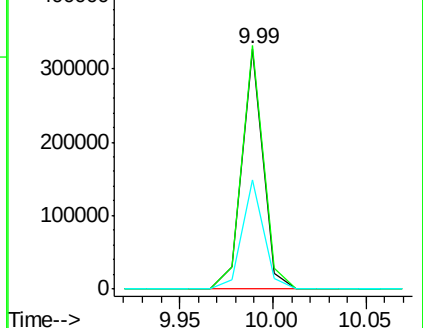
160 45.5 31.5 47.3

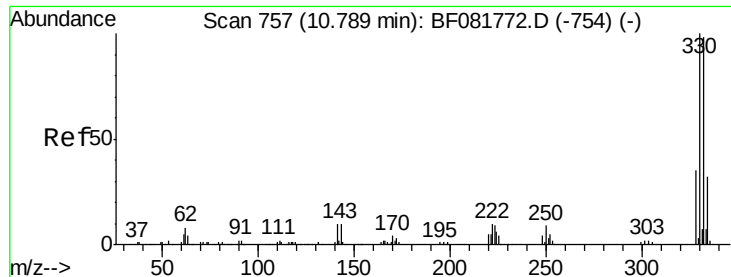


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

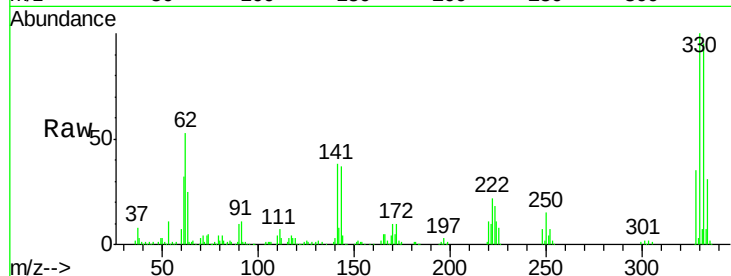




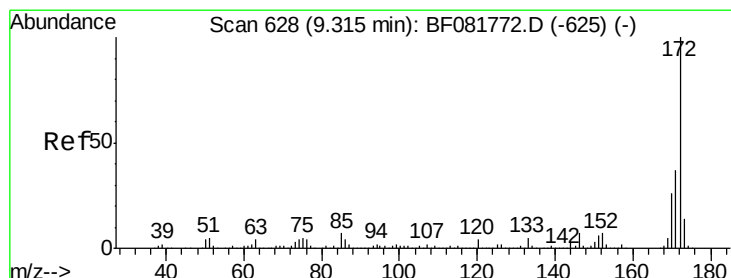
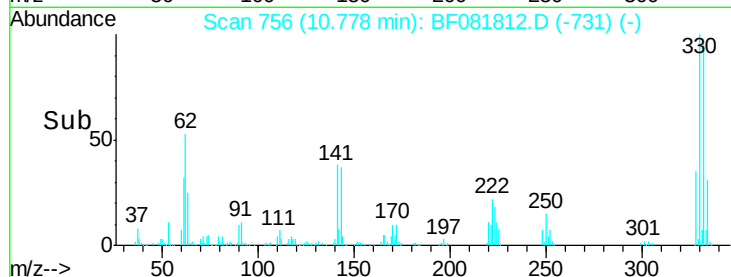
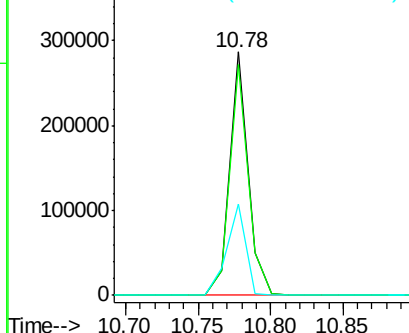
#41
 2,4,6-Tribromophenol
 Concen: 113.05 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SP-2RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	39.2	29.7	44.5

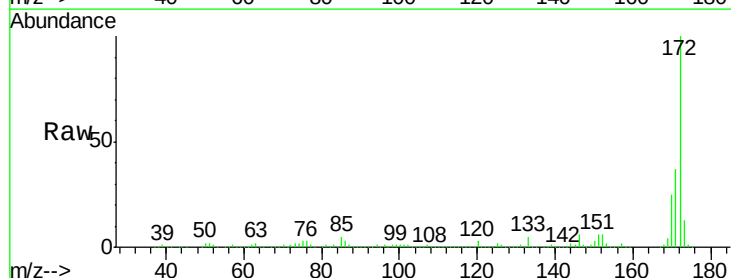


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

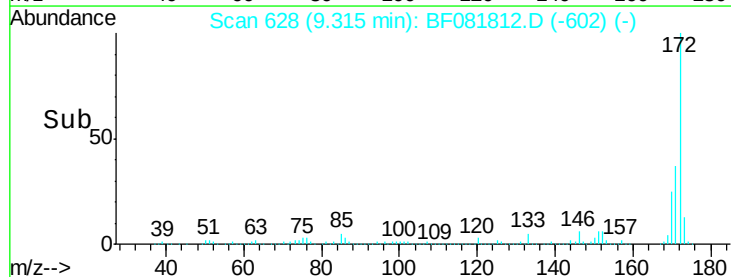
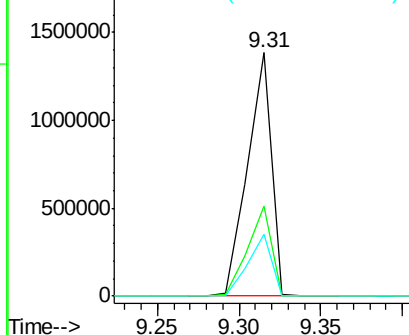


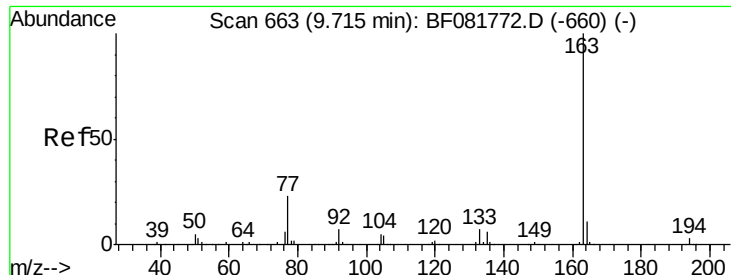
#44
 2-Fluorobiphenyl
 Concen: 89.42 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.1	39.1
170	25.2	17.4	26.2



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

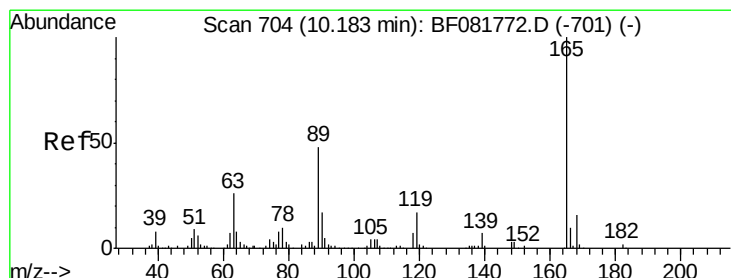
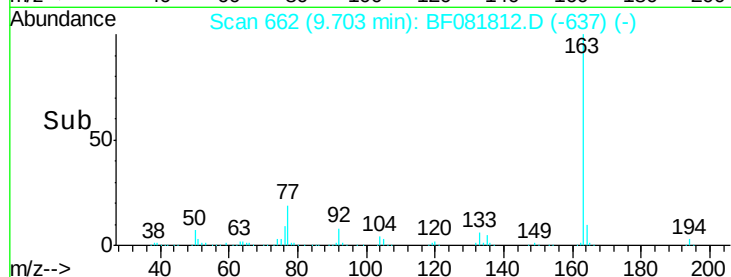
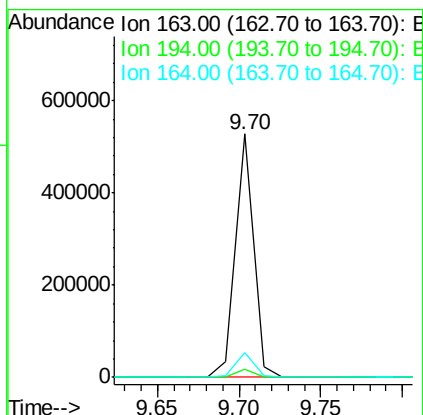
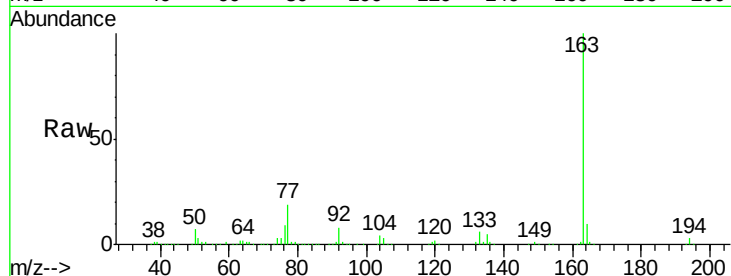




#49
Dimethylphthalate
Concen: 20.40 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF081812.D
Acq: 25 Sep 2015 19:55

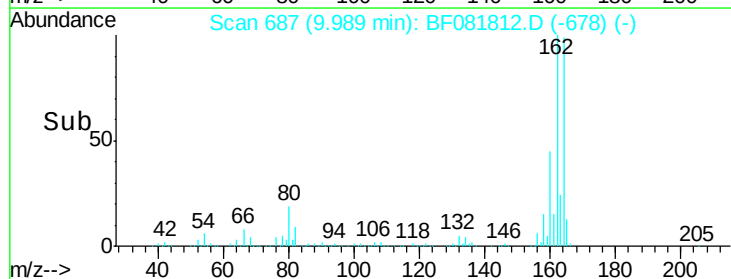
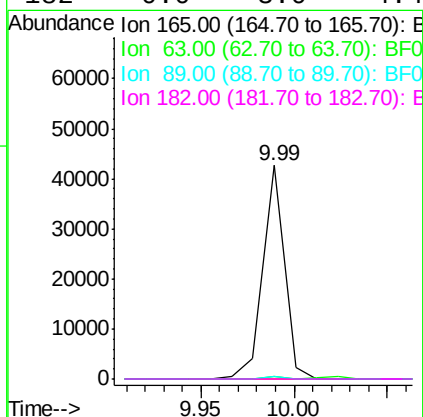
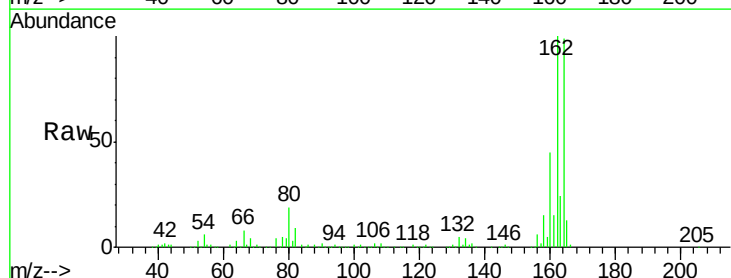
Instrument :
BNA_F
ClientSampleId :
SP-2RE

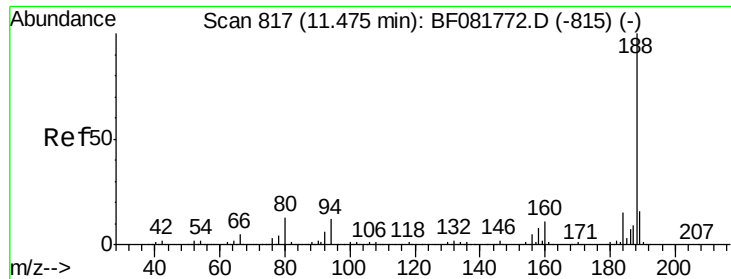
Tgt Ion:163 Resp: 401486
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 10.2 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 7.49 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF081812.D
Acq: 25 Sep 2015 19:55

Tgt Ion:165 Resp: 34046
Ion Ratio Lower Upper
165 100
63 1.4 29.8 44.6#
89 1.3 44.5 66.7#
182 0.0 3.0 4.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

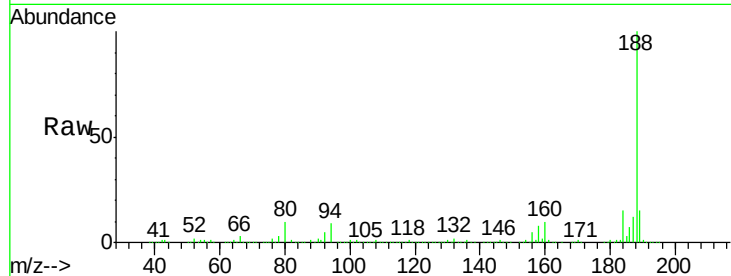
Tgt Ion:188 Resp: 425601

Ion Ratio Lower Upper

188 100

94 9.2 11.1 16.7#

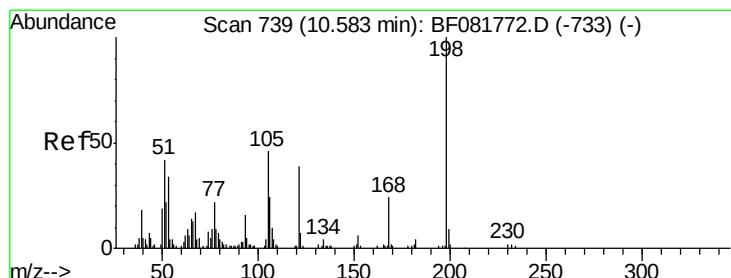
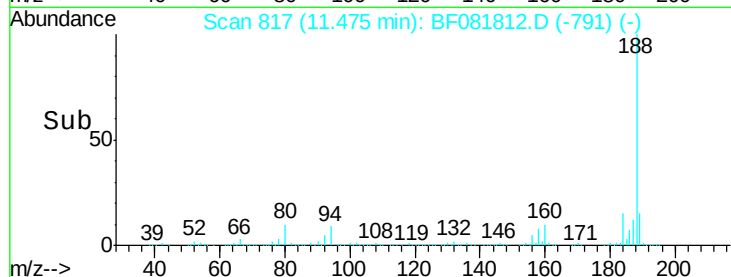
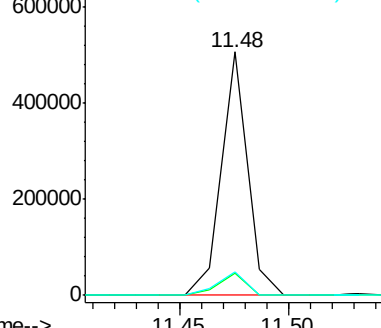
80 9.7 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 8.29 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

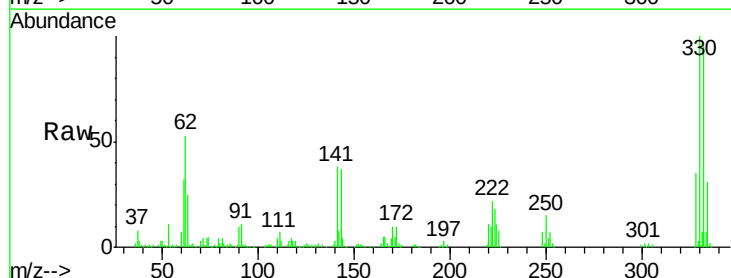
Tgt Ion:198 Resp: 538

Ion Ratio Lower Upper

198 100

51 192.2 39.6 79.6#

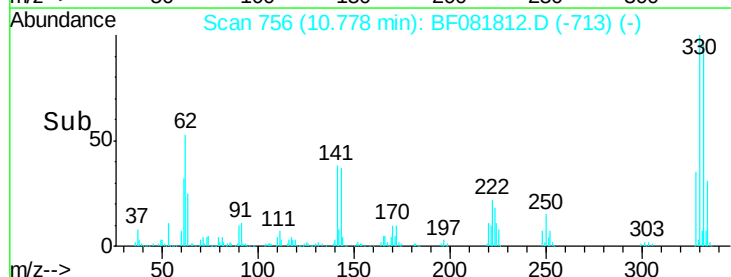
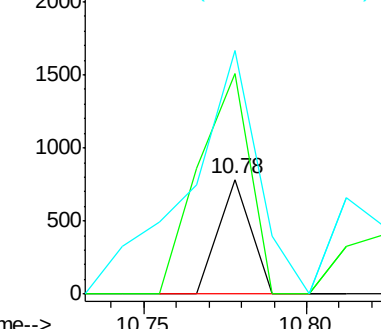
105 212.4 28.5 68.5#

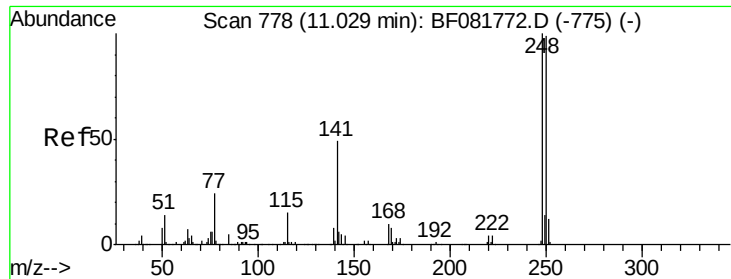


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

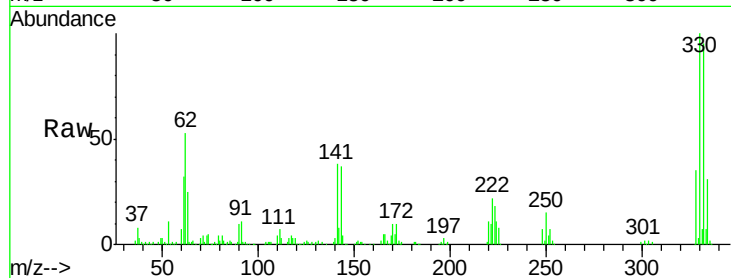




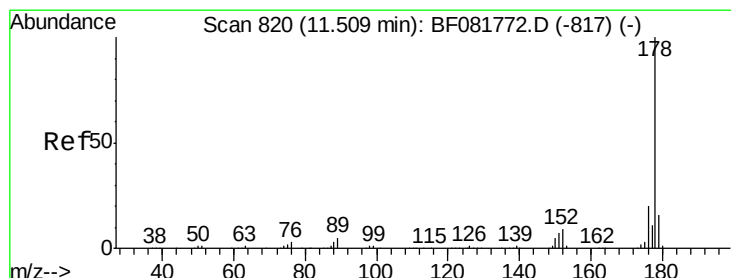
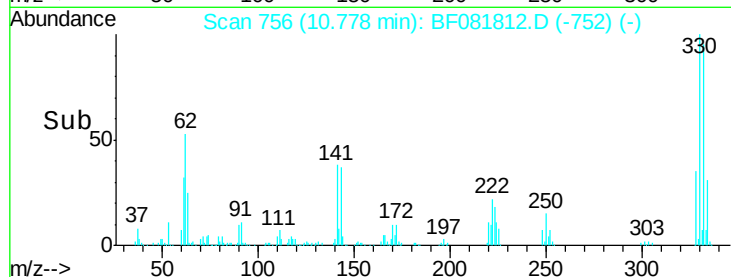
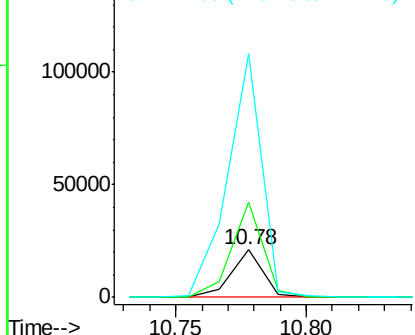
#66
 4-Bromophenyl-phenylether
 Concen: 3.73 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SP-2RE

Tgt Ion:248 Resp: 17674
 Ion Ratio Lower Upper
 248 100
 250 200.8 78.5 117.7#
 141 514.5 59.0 88.6#

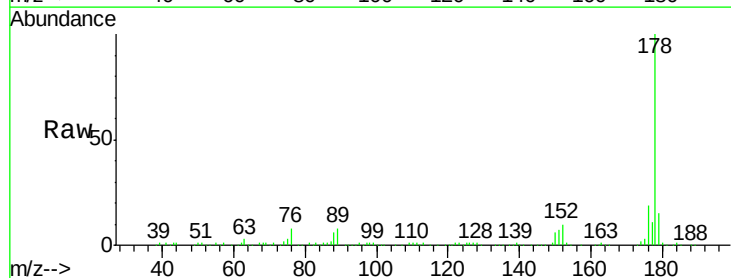


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

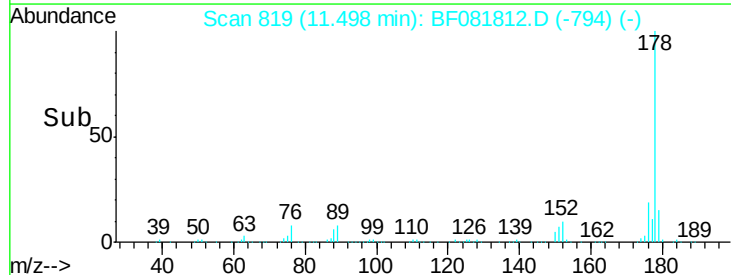
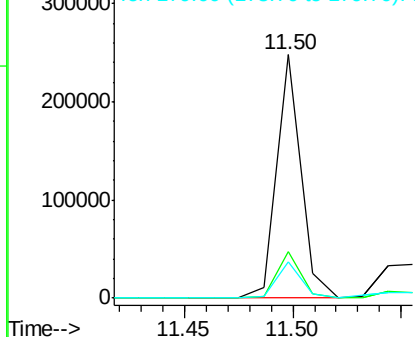


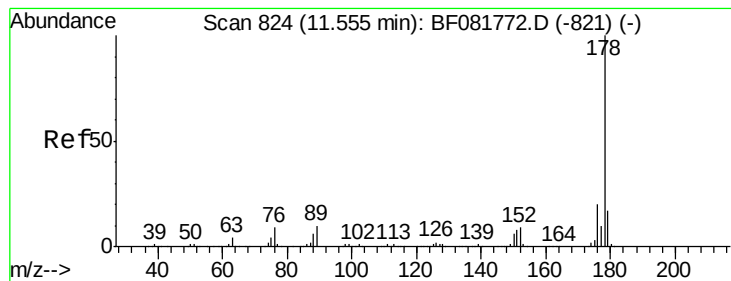
#70
 Phenanthrene
 Concen: 8.03 ng
 RT: 11.50 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

Tgt Ion:178 Resp: 195281
 Ion Ratio Lower Upper
 178 100
 176 18.9 13.8 20.8
 179 15.1 12.2 18.2



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: 2.04 ng

RT: 11.56 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

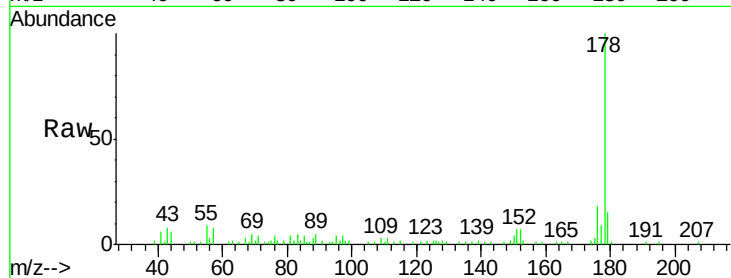
Tgt Ion:178 Resp: 47880

Ion Ratio Lower Upper

178 100

176 18.3 14.1 21.1

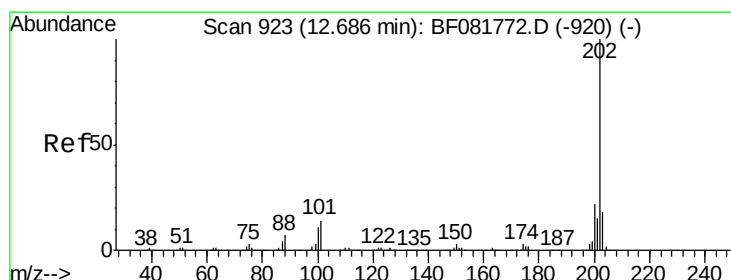
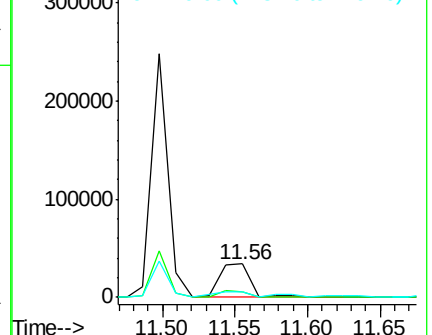
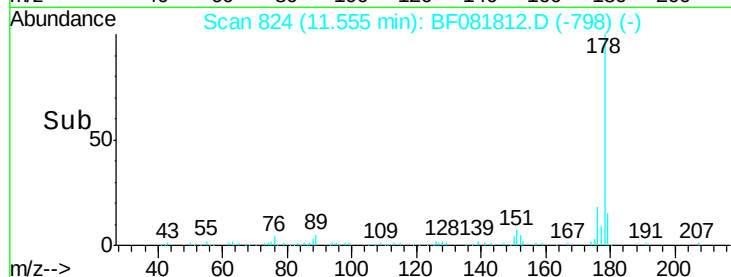
179 15.2 12.2 18.2



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



#74

Fluoranthene

Concen: 16.18 ng

RT: 12.69 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

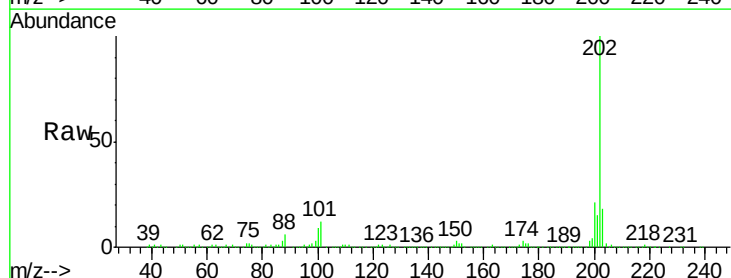
Tgt Ion:202 Resp: 396616

Ion Ratio Lower Upper

202 100

101 11.8 0.0 38.3

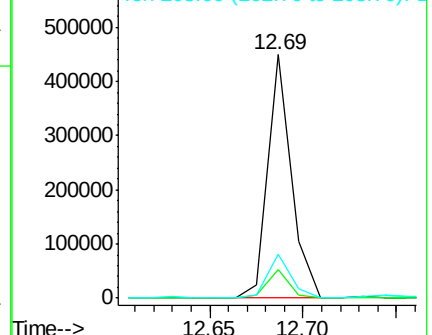
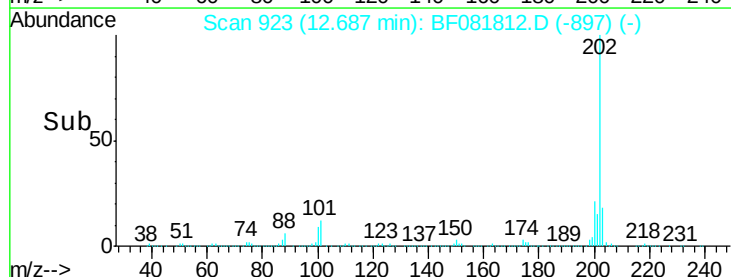
203 17.9 0.0 37.3

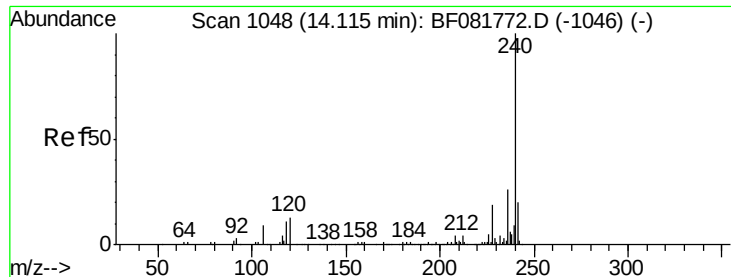


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

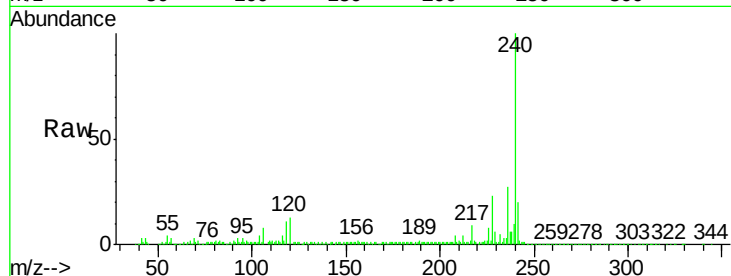
Tgt Ion:240 Resp: 331431

Ion Ratio Lower Upper

240 100

120 12.6 16.2 24.2#

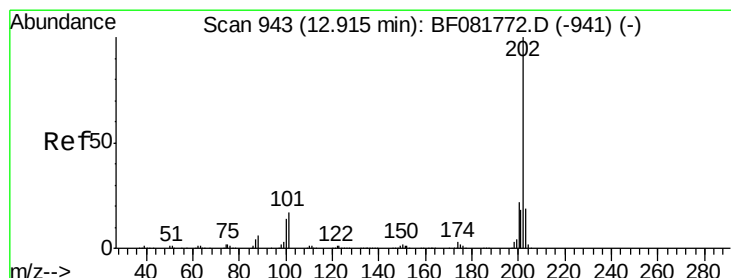
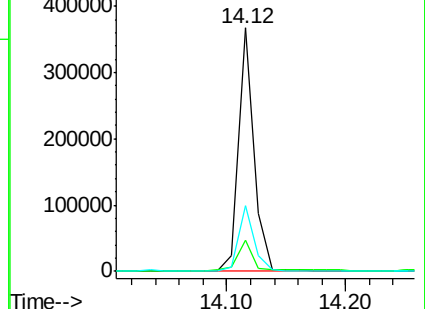
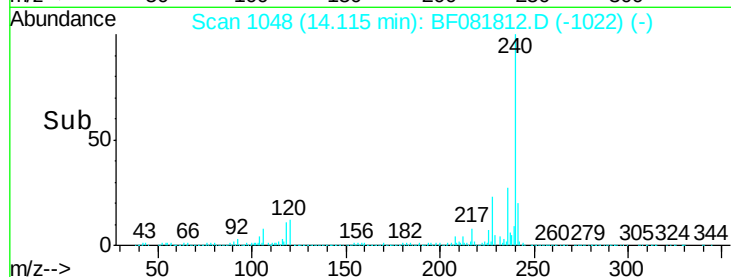
236 26.9 18.4 27.6



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: 14.93 ng

RT: 12.92 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

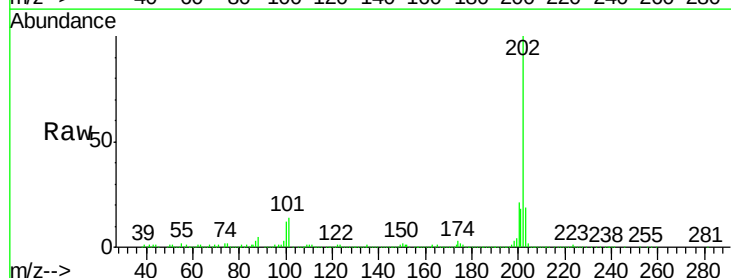
Tgt Ion:202 Resp: 373137

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

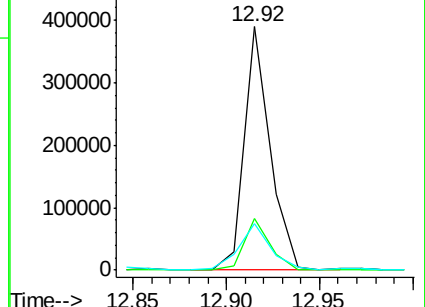
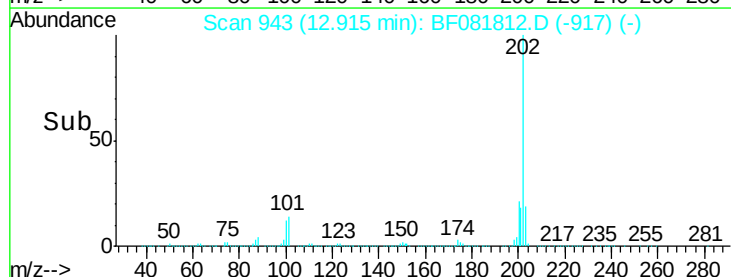
203 19.0 14.1 21.1

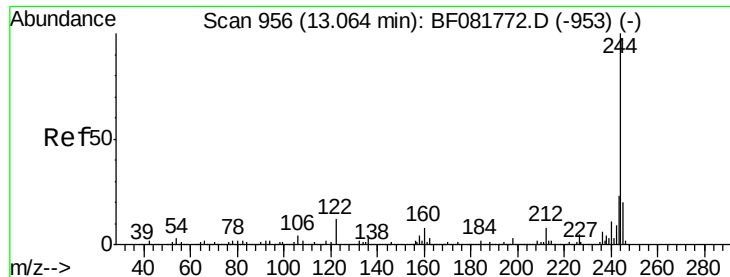


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.80 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

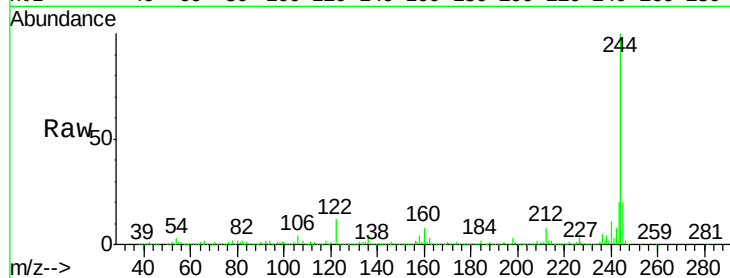
Tgt Ion:244 Resp: 983673

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

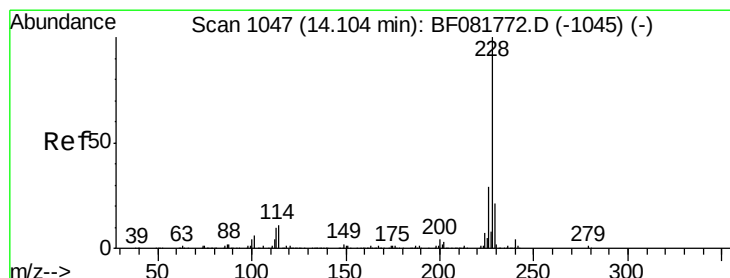
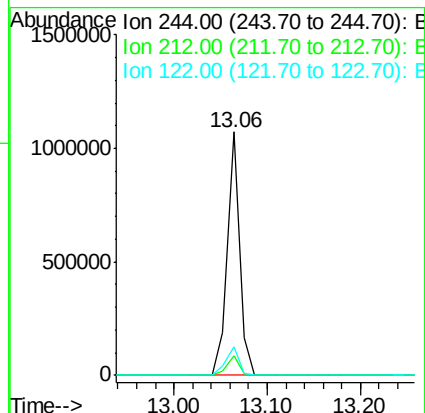
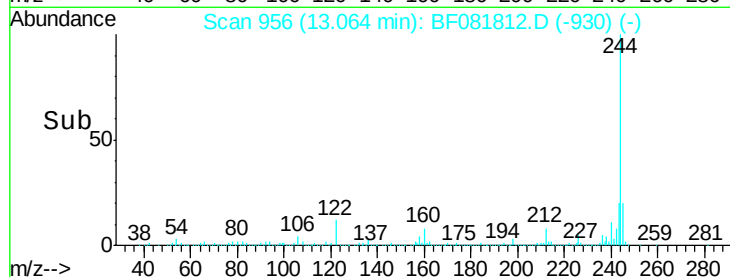
122 11.8 17.4 26.2#



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: 12.37 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

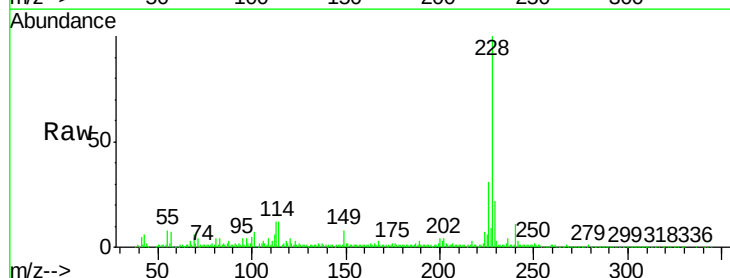
Tgt Ion:228 Resp: 248686

Ion Ratio Lower Upper

228 100

226 30.8 20.0 30.0#

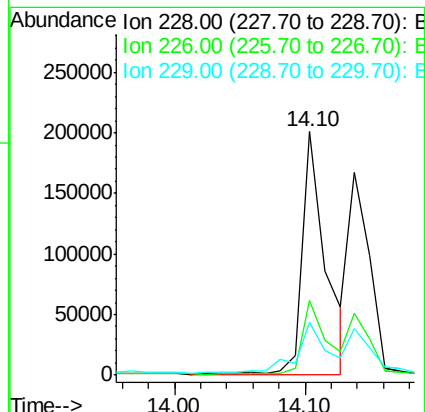
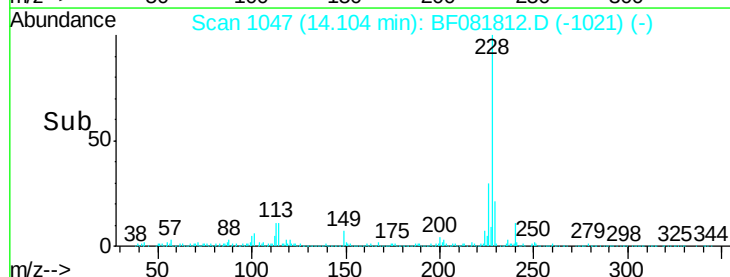
229 21.8 15.4 23.2

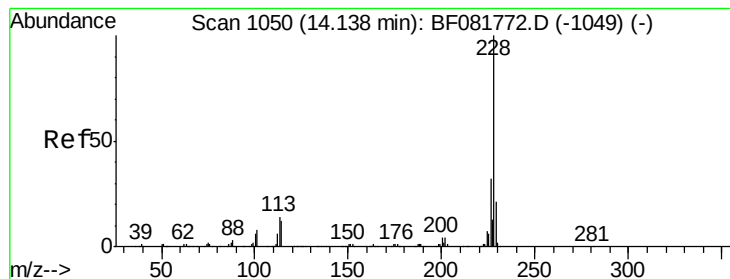


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.61 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

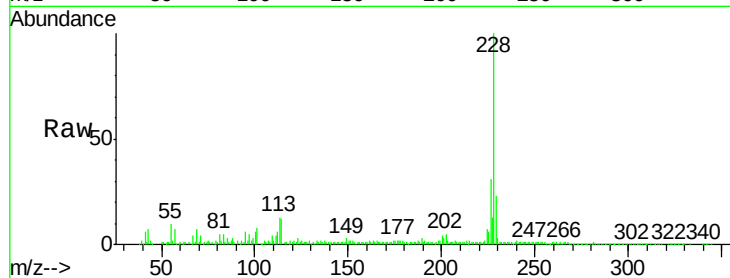
Tgt Ion: 228 Resp: 185132

Ion Ratio Lower Upper

228 100

226 30.9 21.0 31.4

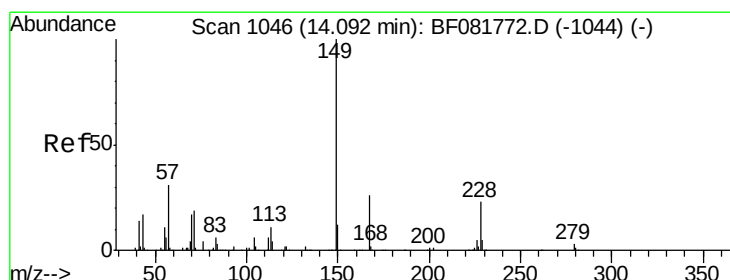
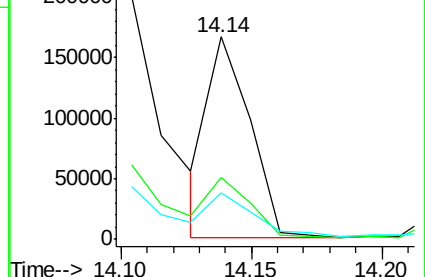
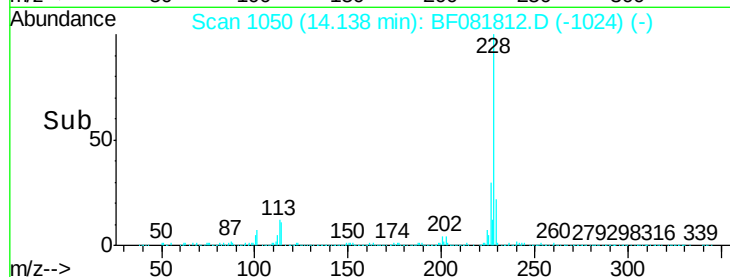
229 22.7 15.6 23.4



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: 2.87 ng

RT: 14.09 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

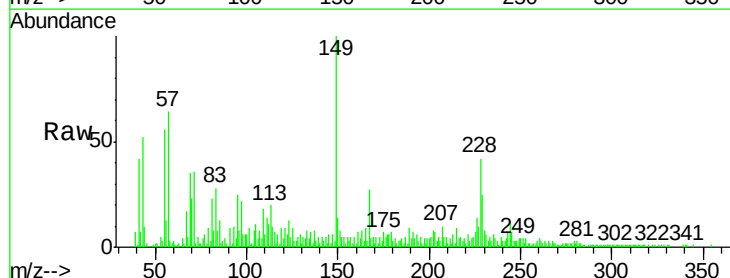
Tgt Ion: 149 Resp: 34684

Ion Ratio Lower Upper

149 100

167 27.2 24.2 36.2

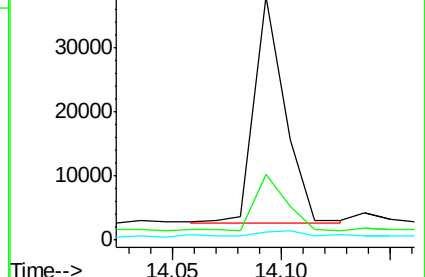
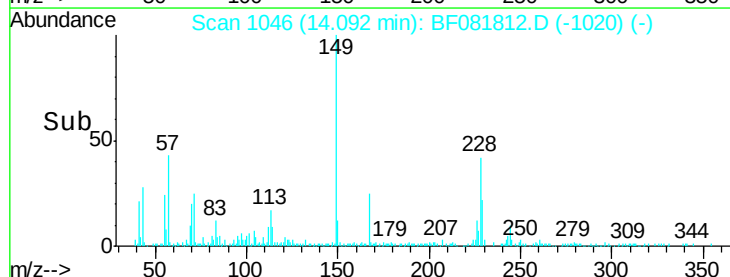
279 3.3 3.8 5.6#

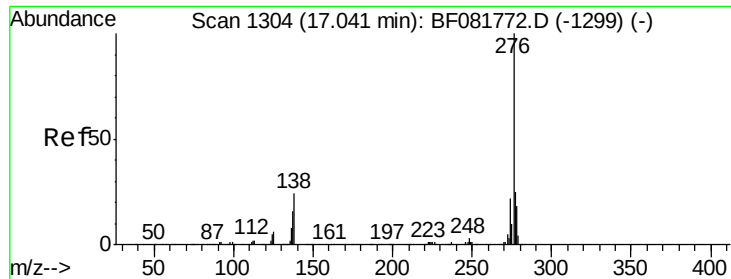


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

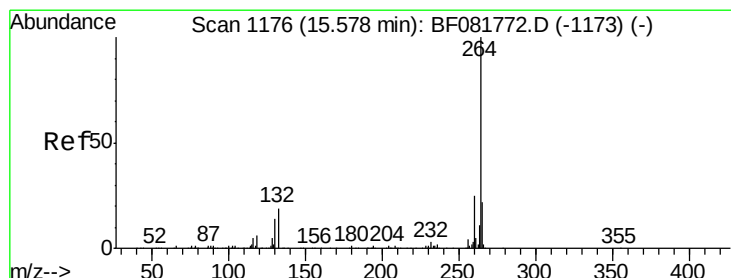
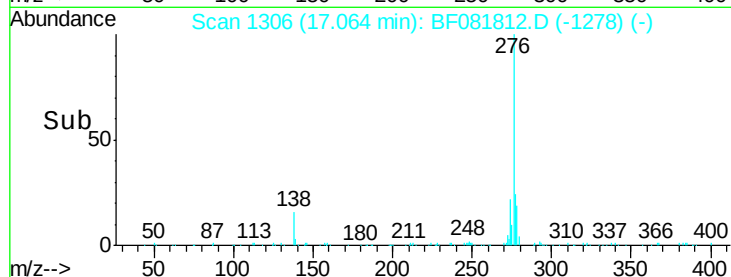
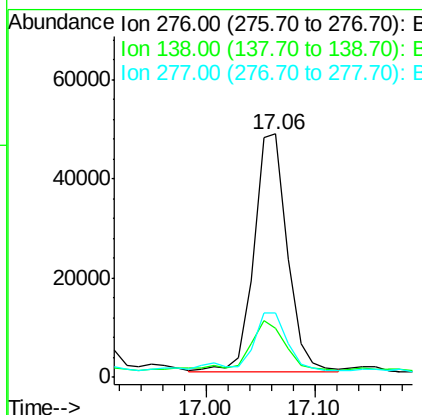
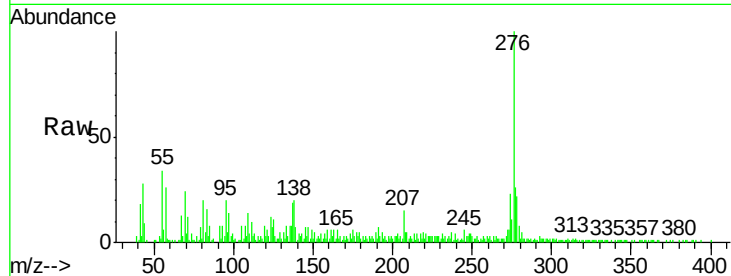




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.85 ng
 RT: 17.06 min Scan# 1306
 Delta R.T. 0.02 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

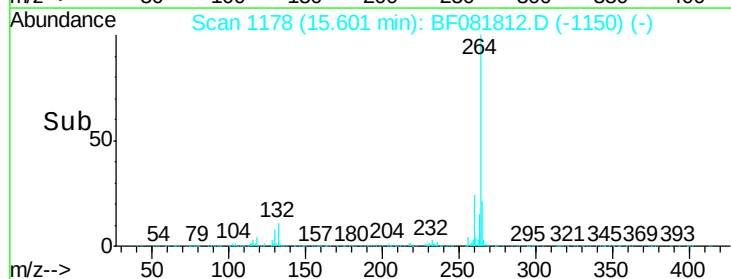
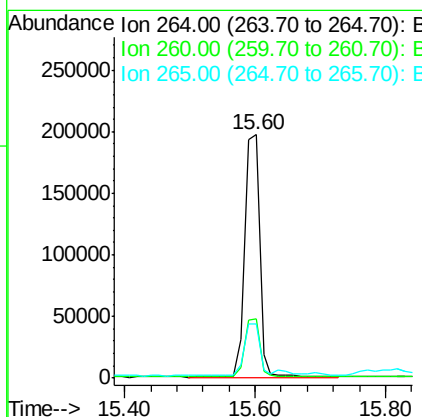
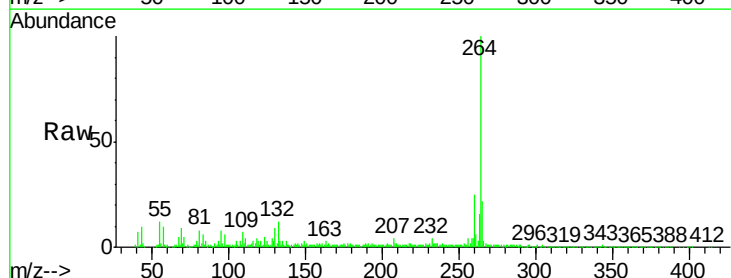
Instrument :
 BNA_F
 ClientSampleId :
 SP-2RE

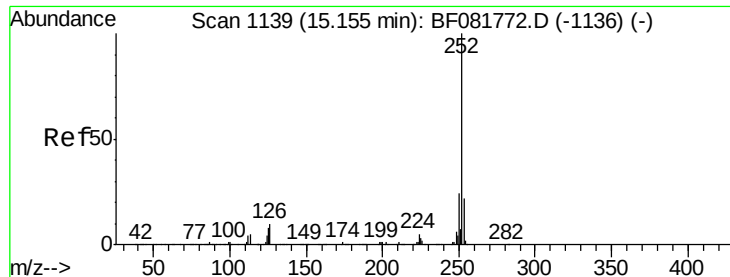
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.7	38.5#
277	28.2	15.6	23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1178
 Delta R.T. 0.02 min
 Lab File: BF081812.D
 Acq: 25 Sep 2015 19:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 19.00 ng

RT: 15.17 min Scan# 1140

Delta R.T. 0.01 min

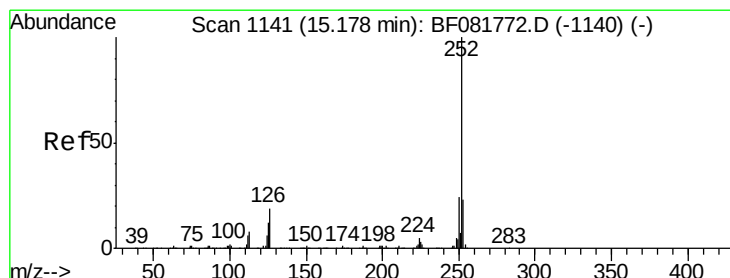
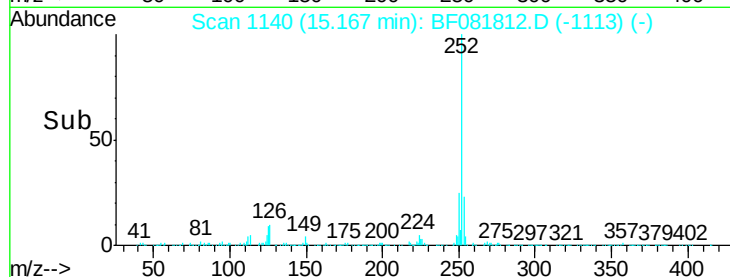
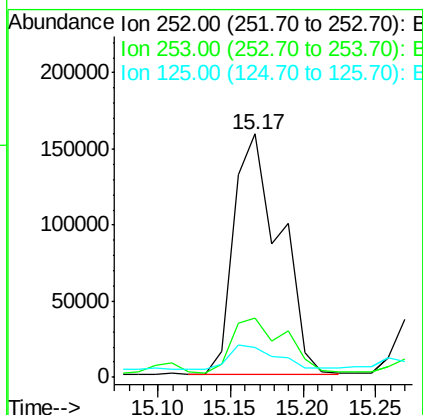
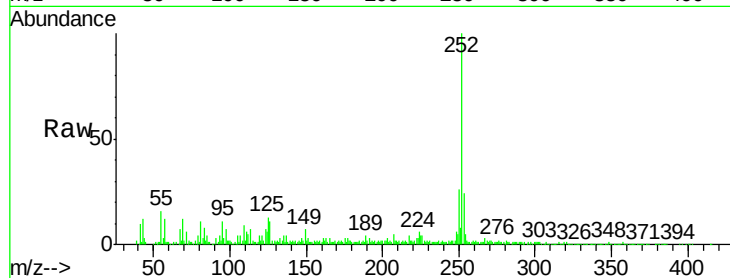
Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :
BNA_F
ClientSampleId :
SP-2RE

Tgt Ion:252 Resp: 349577

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	12.5	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 19.72 ng

RT: 15.17 min Scan# 1140

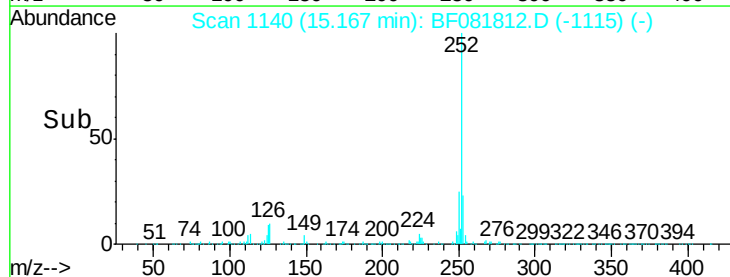
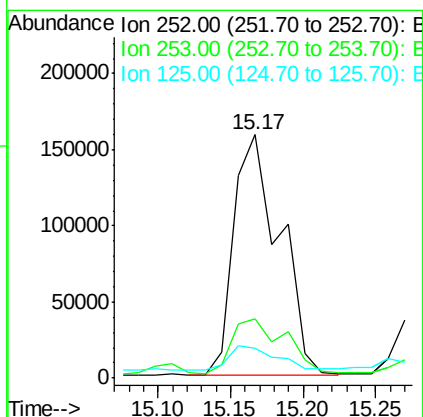
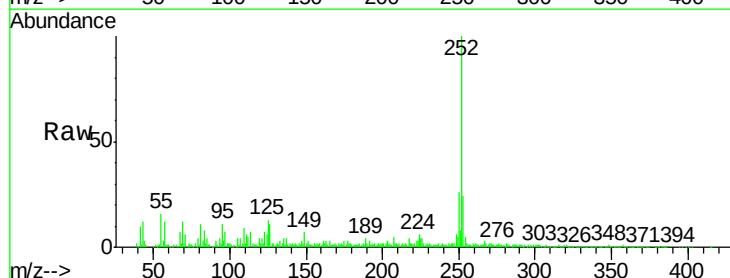
Delta R.T. -0.01 min

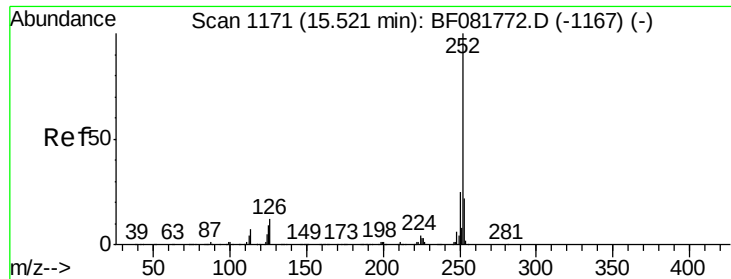
Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Tgt Ion:252 Resp: 349577

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	12.5	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 8.06 ng

RT: 15.46 min Scan# 1166

Delta R.T. -0.06 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

Instrument :

BNA_F

ClientSampleId :

SP-2RE

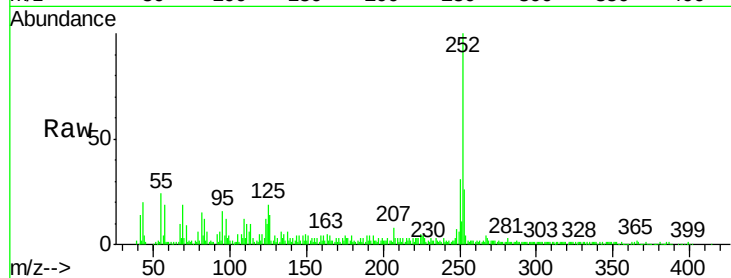
Tgt Ion: 252 Resp: 133851

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

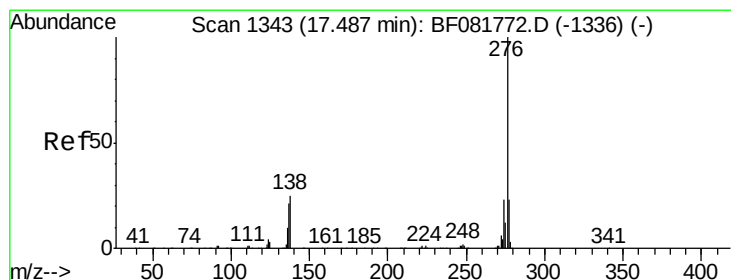
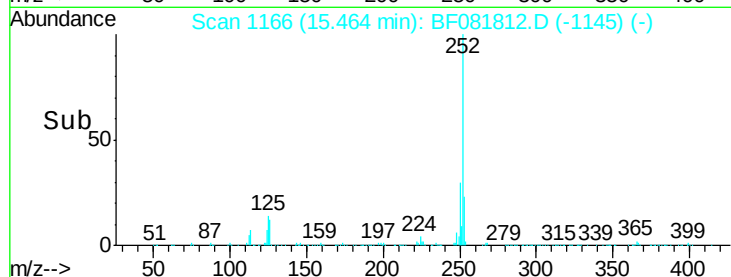
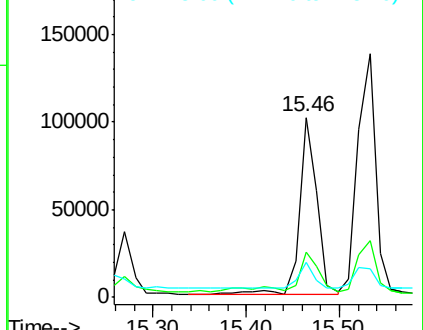
125 19.2 18.0 27.0



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: 5.52 ng

RT: 17.51 min Scan# 1345

Delta R.T. 0.02 min

Lab File: BF081812.D

Acq: 25 Sep 2015 19:55

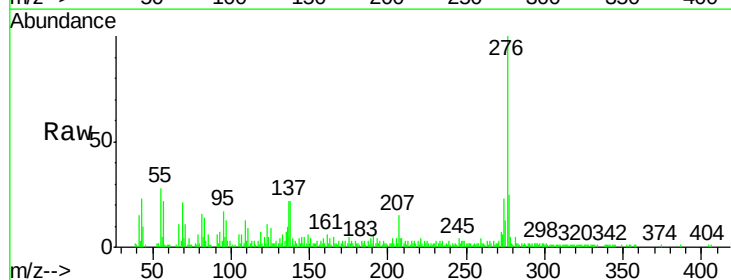
Tgt Ion: 276 Resp: 98598

Ion Ratio Lower Upper

276 100

277 24.9 17.8 26.6

138 22.0 34.6 51.8#



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

