

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
 Data File : BF092817.D
 Acq On : 7 Feb 2017 1:05
 Operator : SJ/MA
 Sample : I1701-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Quant Time: Feb 07 02:11:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	130163	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	523579	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	237725	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	337520	20.00	ng	0.00
75) Chrysene-d12	14.09	240	296109	20.00	ng	0.00
86) Perylene-d12	15.54	264	209841	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	4656	0.61	ng	0.01
7) Phenol-d6	6.54	99	69862	7.16	ng	-0.01
23) Nitrobenzene-d5	7.48	82	629166	66.92	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	1418	0.82	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	991449	75.56	ng	0.00
78) Terphenyl-d14	13.03	244	733583	58.21	ng	0.00

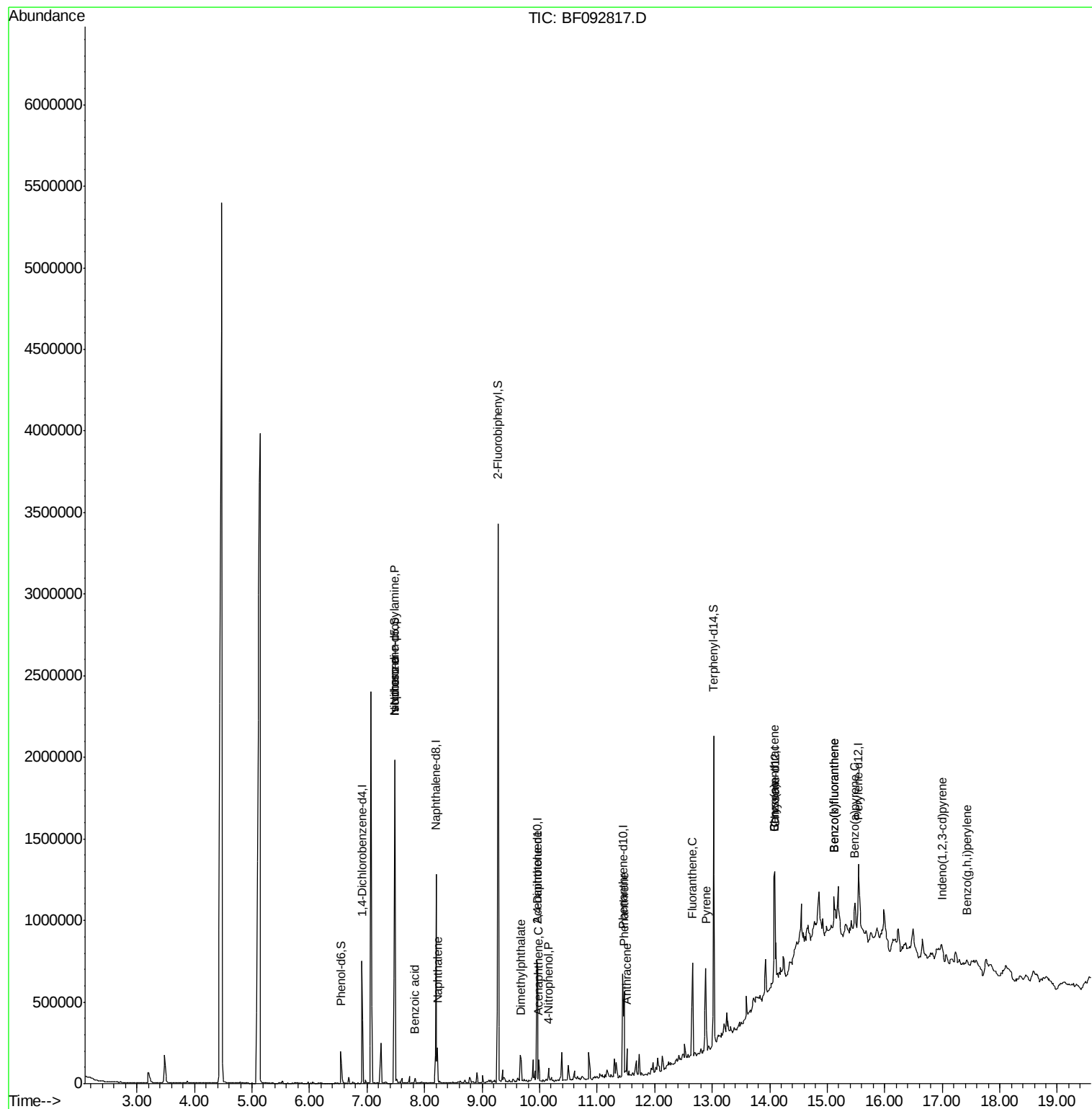
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.48	70	84214	13.55	ng	# 81
25) Isophorone	7.48	82	474055	27.06	ng	# 65
31) Naphthalene	8.22	128	81635	3.08	ng	98
32) Benzoic acid	7.84	122	248	7.21	ng	# 1
49) Dimethylphthalate	9.68	163	79933	4.99	ng	99
51) Acenaphthene	9.98	154	29594	2.13	ng	99
55) 4-Nitrophenol	10.16	139	11214	3.93	ng	# 8
56) 2,4-Dinitrotoluene	9.96	165	31218	6.78	ng	# 19
70) Phenanthrene	11.47	178	265813	13.75	ng	96
71) Anthracene	11.52	178	63260	3.26	ng	98
74) Fluoranthene	12.66	202	276572	13.87	ng	92
77) Pyrene	12.89	202	241742	10.91	ng	97
80) Benzo(a)anthracene	14.08	228	105623	5.83	ng	97
82) Chrysene	14.08	228	105623	6.23	ng	93
85) Indeno(1,2,3-cd)pyrene	16.99	276	32579	2.48	ng	# 86
87) Benzo(b)fluoranthene	15.12	252	125312	9.07	ng	# 86
88) Benzo(k)fluoranthene	15.12	252	125312	10.51	ng	# 86
89) Benzo(a)pyrene	15.48	252	66714	5.58	ng	# 82
91) Benzo(g,h,i)perylene	17.43	276	42703	4.38	ng	# 81

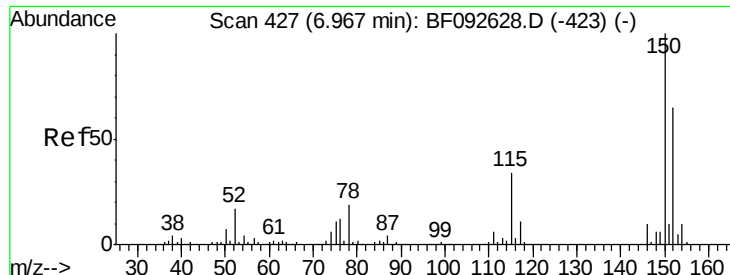
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
Data File : BF092817.D
Acq On : 7 Feb 2017 1:05
Operator : SJ/MA
Sample : I1701-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-1

Quant Time: Feb 07 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 07 01:19:37 2017
Response via : Initial Calibration

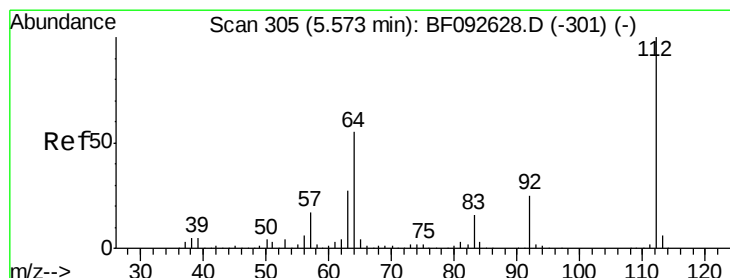
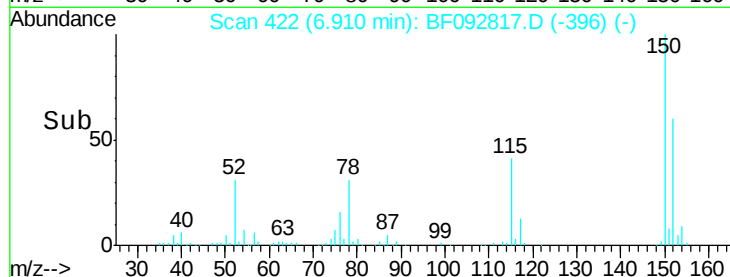
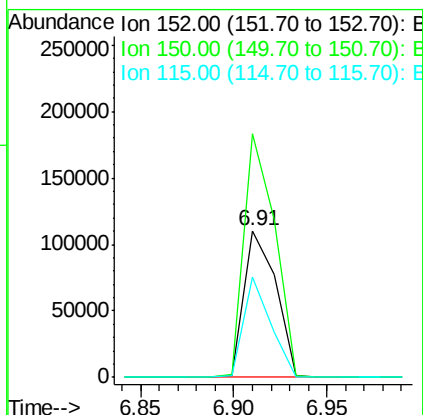
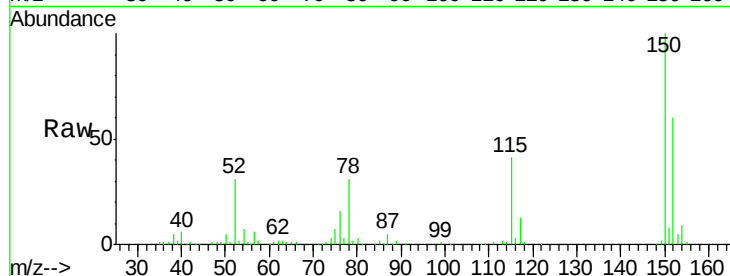




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

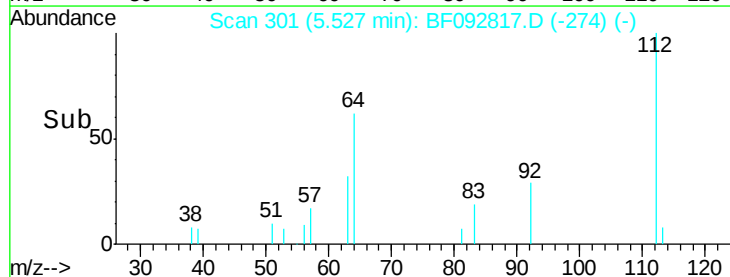
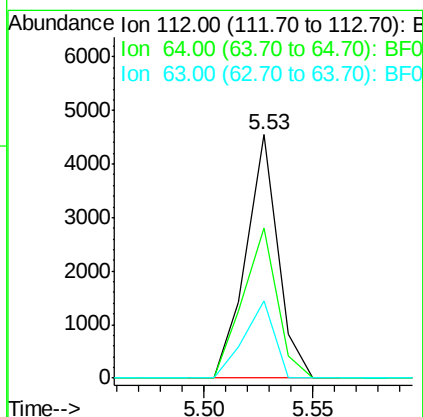
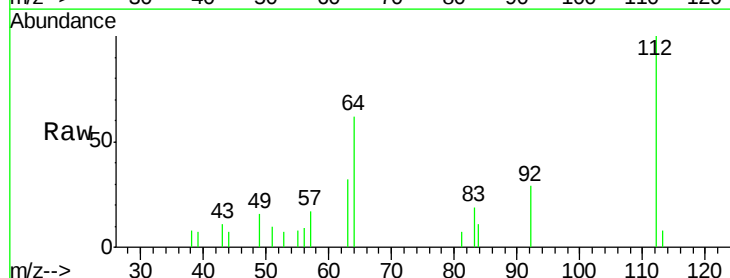
Instrument :
 BNA_F
 ClientSampled :
 C-1

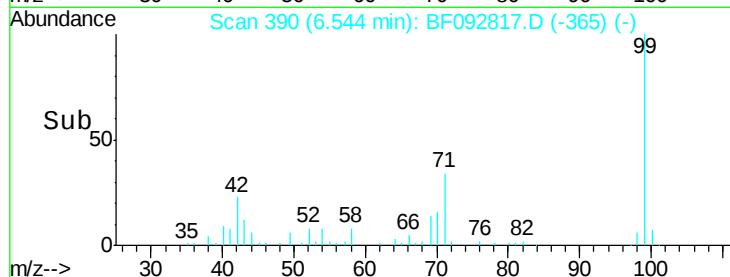
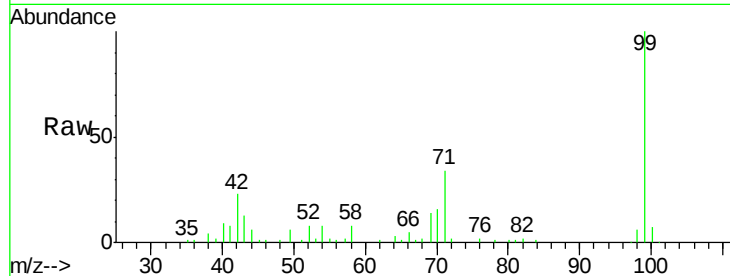
Tgt Ion:152 Resp: 130163
 Ion Ratio Lower Upper
 152 100
 150 165.8 124.9 187.3
 115 68.2 46.0 69.0



#5
 2-Fluorophenol
 Concen: 0.61 ng
 RT: 5.53 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Tgt Ion:112 Resp: 4656
 Ion Ratio Lower Upper
 112 100
 64 61.9 46.1 69.1
 63 31.5 23.8 35.6





#7

Phenol-d6

Concen: 7.16 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

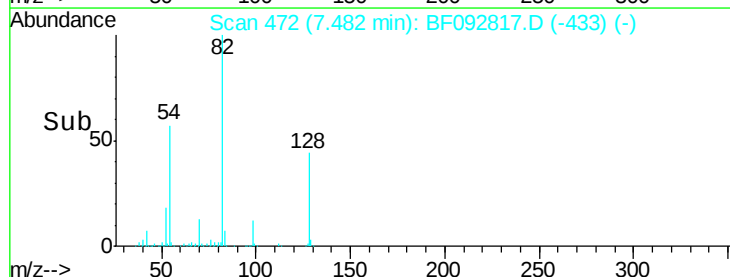
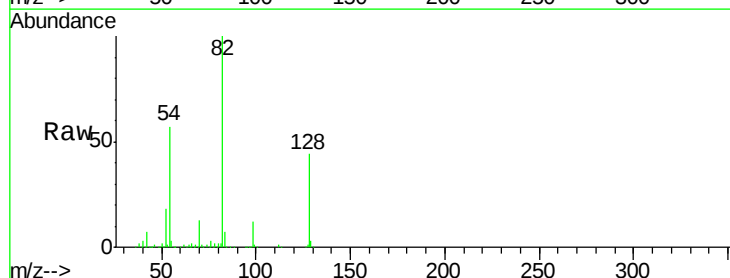
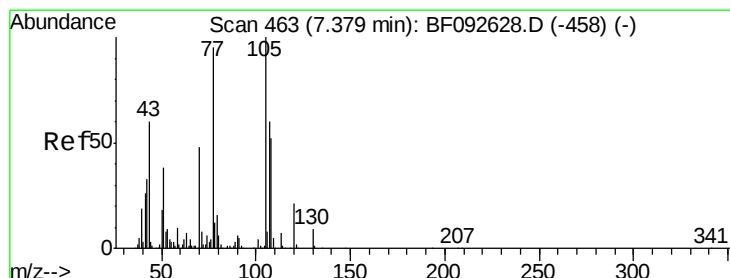
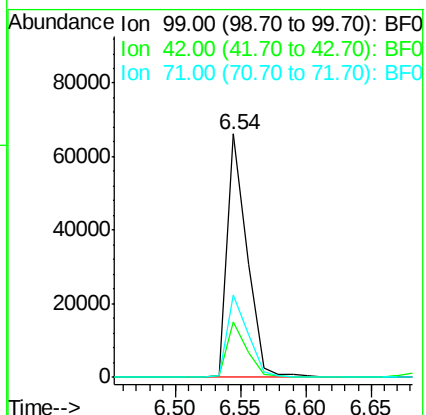
Tgt Ion: 99 Resp: 69862

Ion Ratio Lower Upper

99 100

42 22.6 15.6 23.4

71 33.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.55 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.15 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion: 70 Resp: 84214

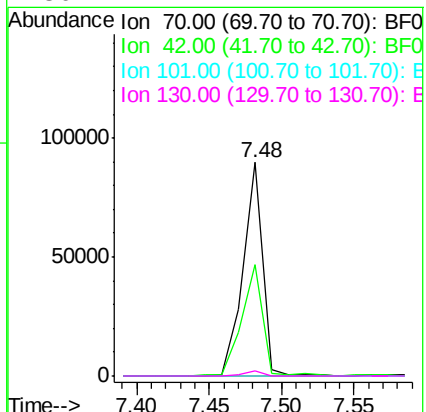
Ion Ratio Lower Upper

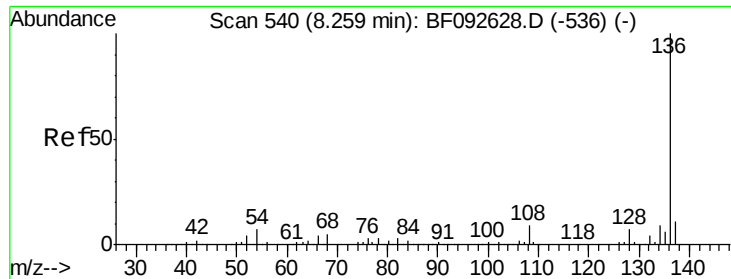
70 100

42 51.9 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

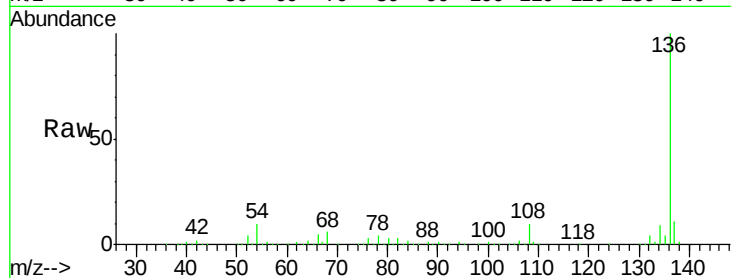




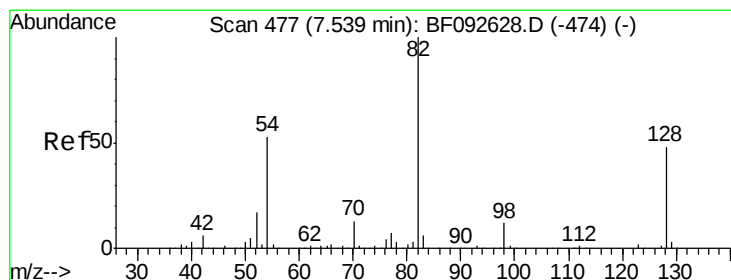
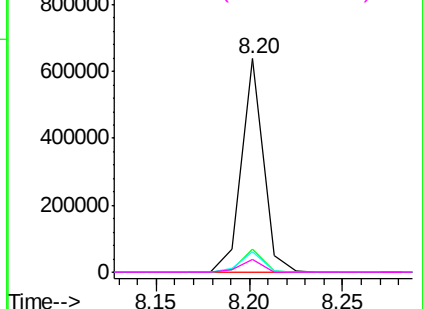
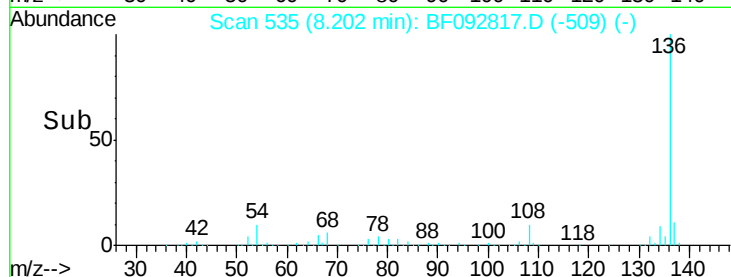
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampleId :
C-1

Tgt Ion:	136	Resp:	523579
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	9.6	4.5	6.7#
68	6.3	3.6	5.4#

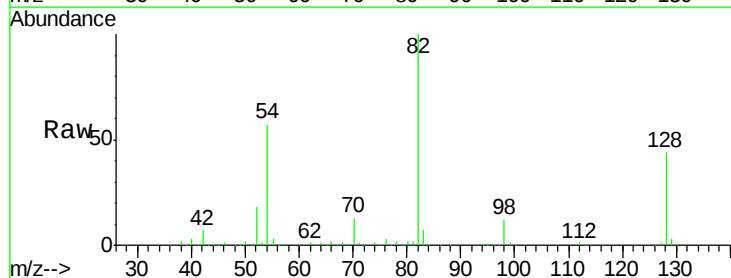


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

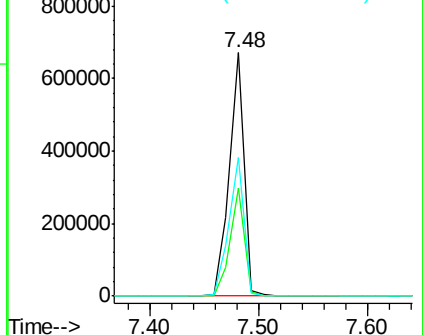
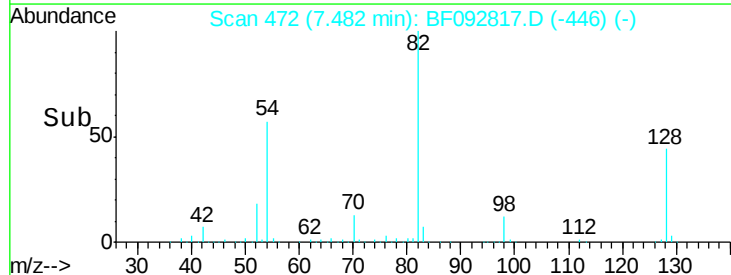


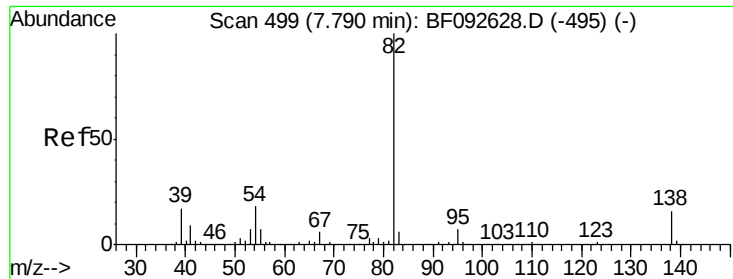
#23
Nitrobenzene-d5
Concen: 66.92 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion:	82	Resp:	629166
Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.6	52.0
54	56.7	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

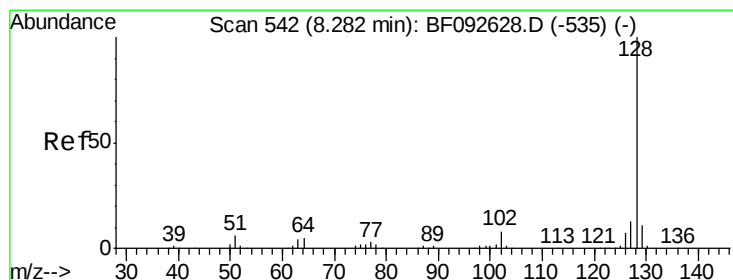
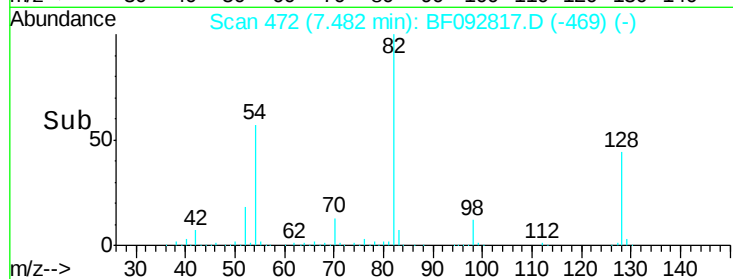
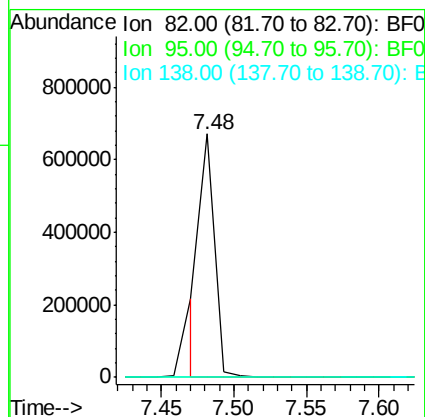
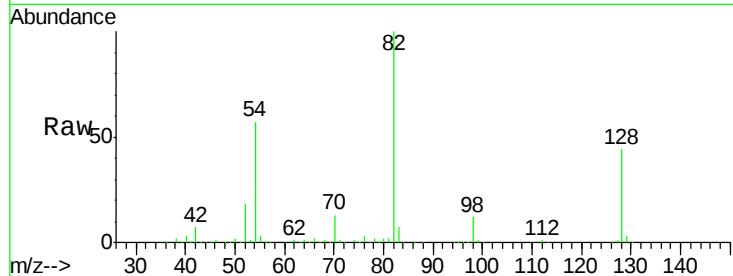




#25
Isophorone
Concen: 27.06 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.26 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

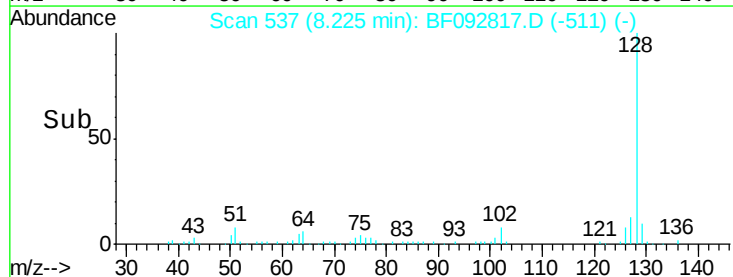
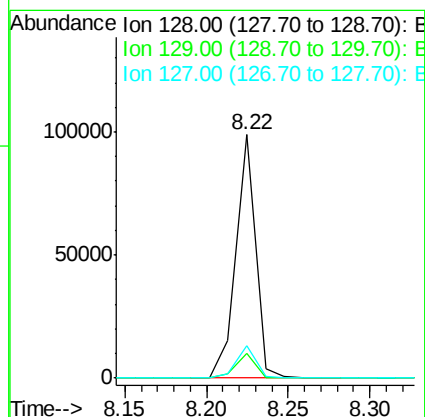
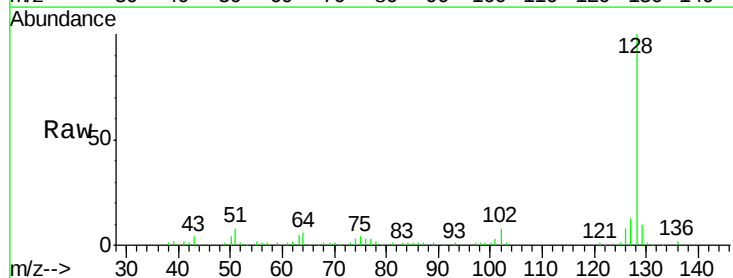
Instrument :
BNA_F
ClientSampleId :
C-1

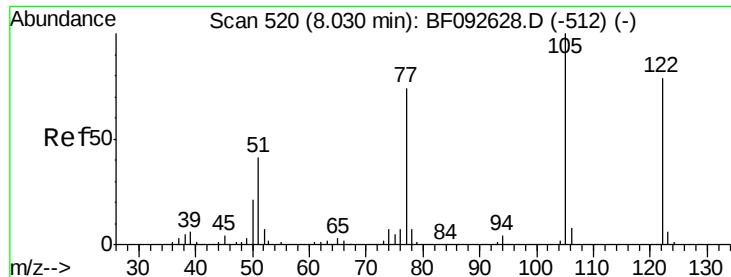
Tgt Ion: 82 Resp: 474055
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#31
Naphthalene
Concen: 3.08 ng
RT: 8.22 min Scan# 537
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion: 128 Resp: 81635
Ion Ratio Lower Upper
128 100
129 10.4 9.5 14.3
127 13.2 10.8 16.2





#32

Benzoic acid

Concen: 7.21 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.15 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

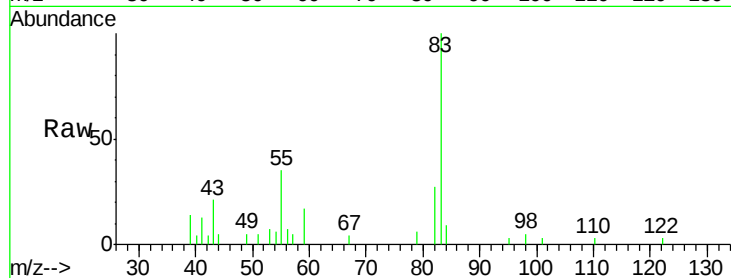
Tgt Ion:122 Resp: 248

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

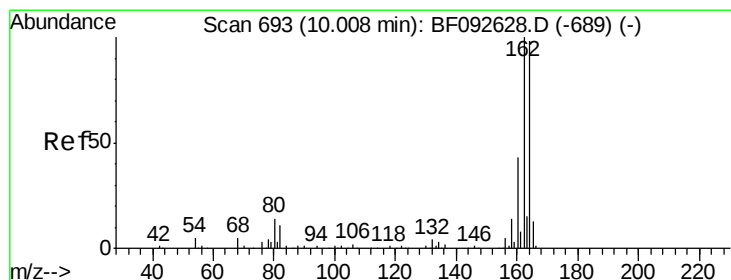
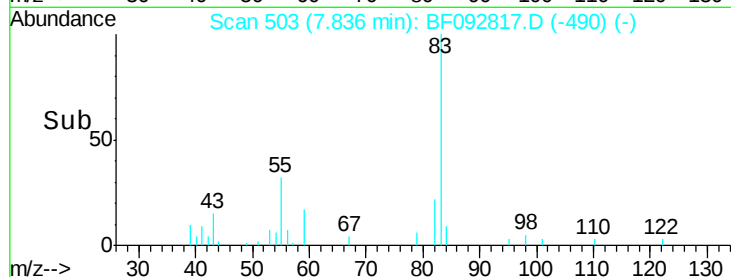
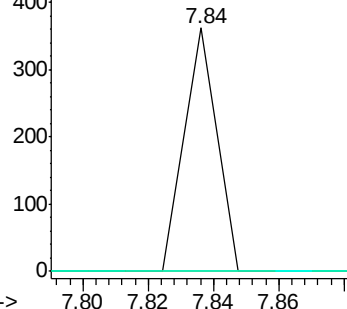
77 0.0 74.5 114.5#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

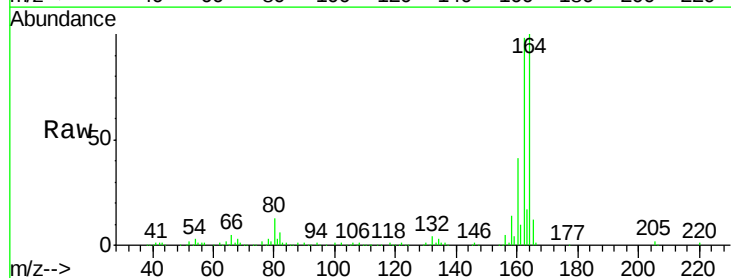
Tgt Ion:164 Resp: 237725

Ion Ratio Lower Upper

164 100

162 98.3 80.2 120.2

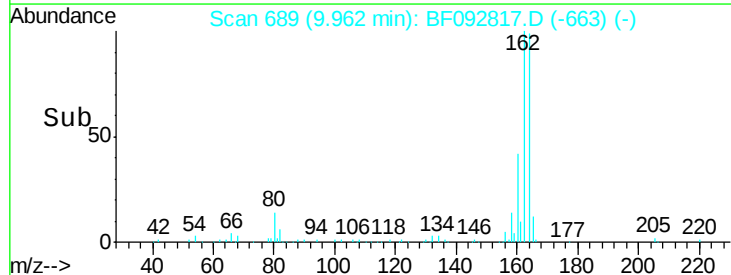
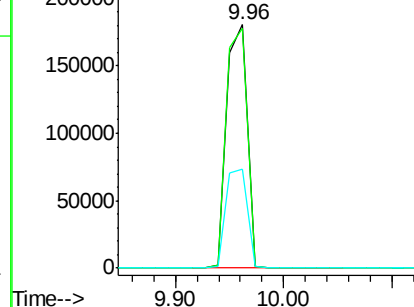
160 40.9 36.9 55.3

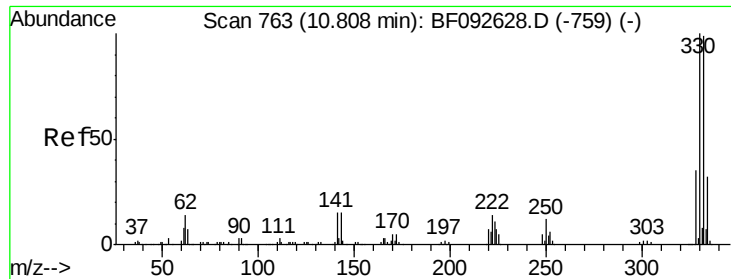


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

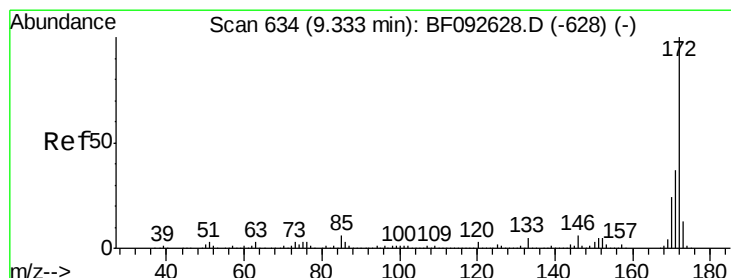
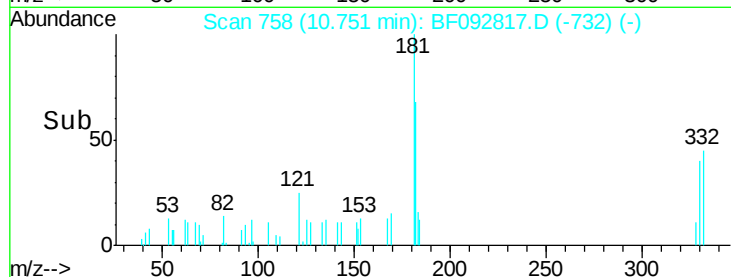
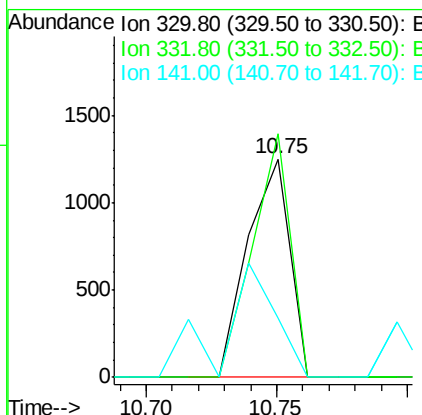
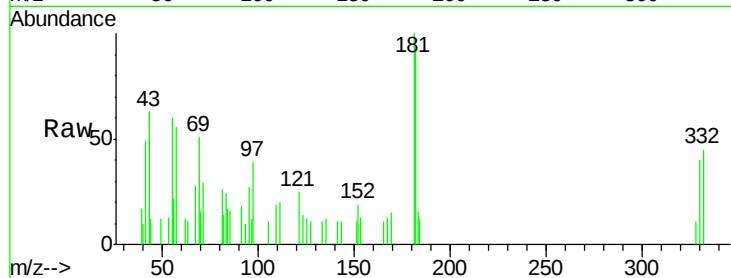




#41
 2,4,6-Tribromophenol
 Concen: 0.82 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

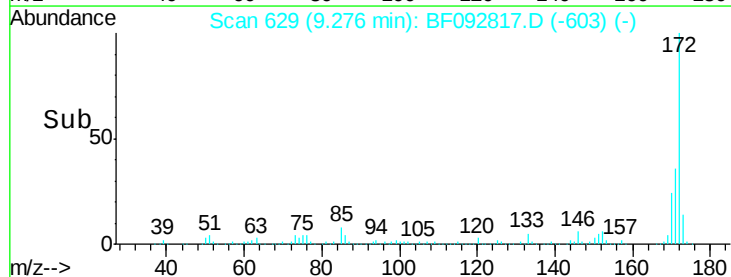
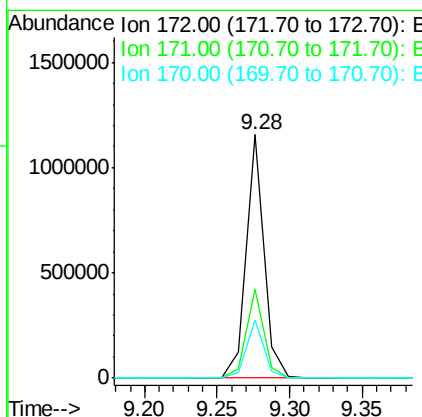
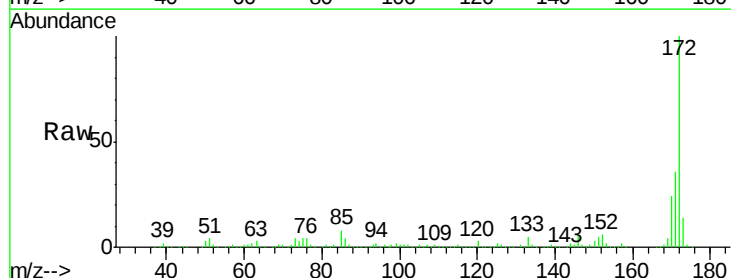
Instrument :
 BNA_F
 ClientSampleId :
 C-1

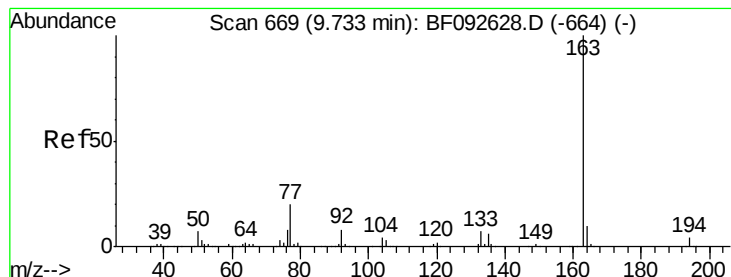
Tgt Ion: 330 Resp: 1418
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.4 116.2
 141 64.1 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 75.56 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Tgt Ion: 172 Resp: 991449
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 23.9 20.2 30.4





#49

Dimethylphthalate

Concen: 4.99 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

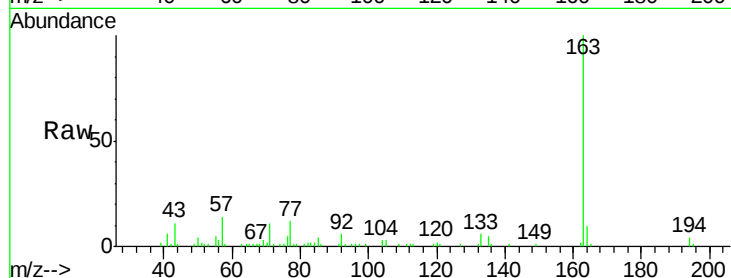
Tgt Ion:163 Resp: 79933

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

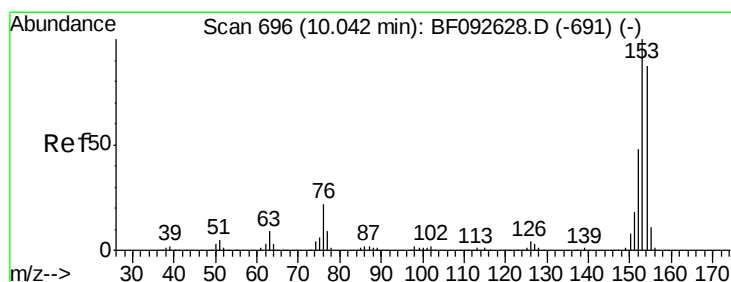
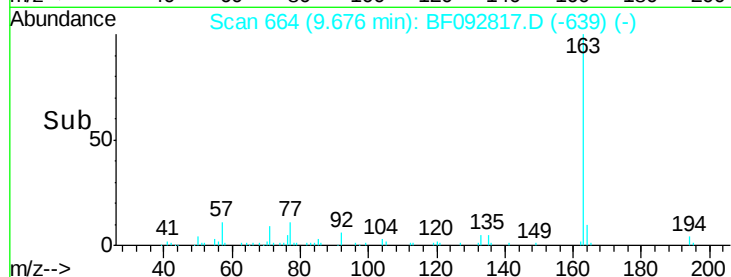
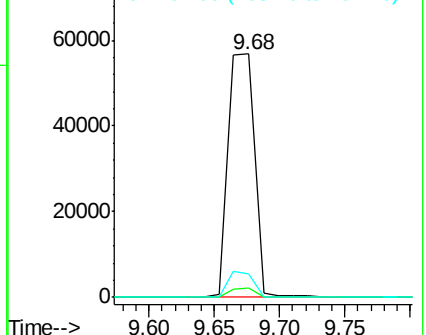
164 9.6 8.0 12.0



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



#51

Acenaphthene

Concen: 2.13 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

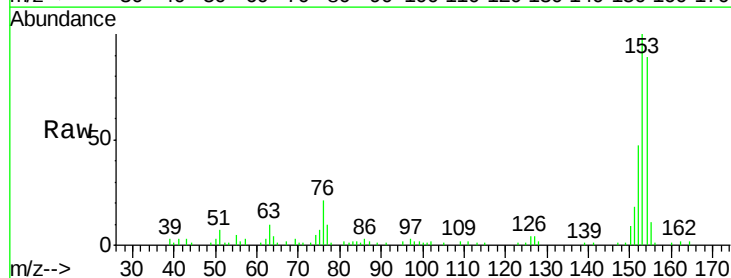
Tgt Ion:154 Resp: 29594

Ion Ratio Lower Upper

154 100

153 112.2 88.6 133.0

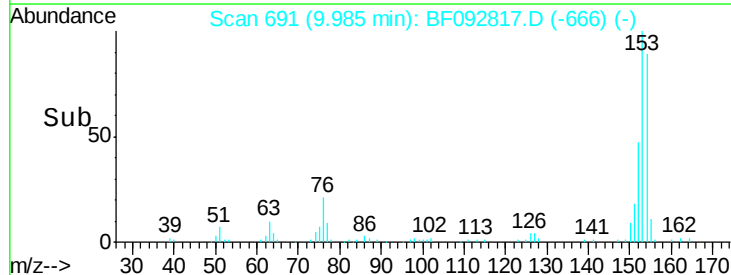
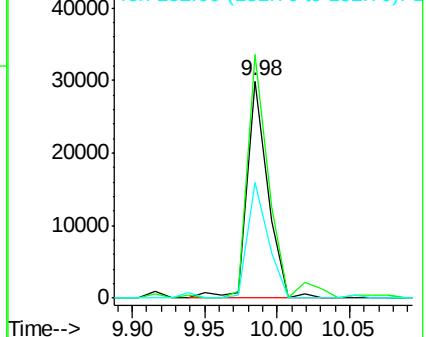
152 53.3 41.6 62.4

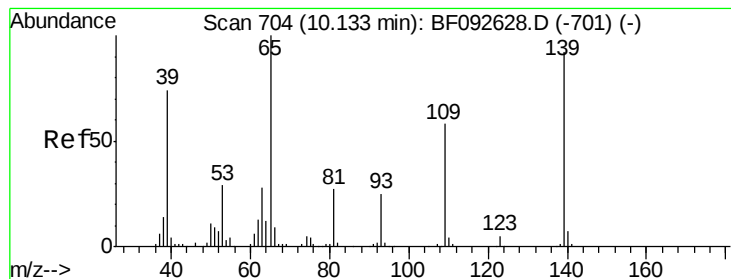


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 3.93 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.07 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

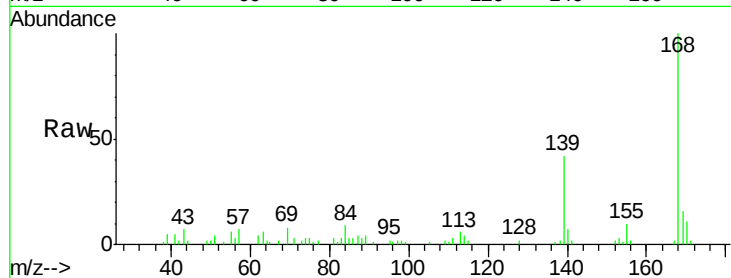
Tgt Ion:139 Resp: 11214

Ion Ratio Lower Upper

139 100

109 4.1 52.2 92.2#

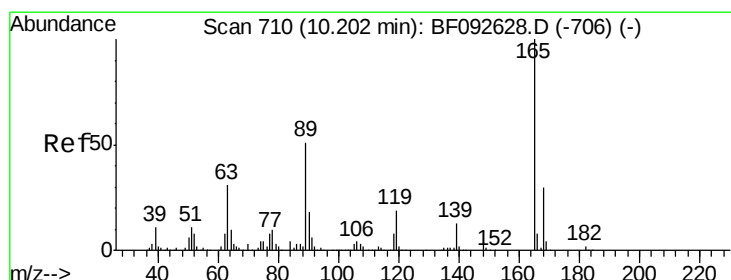
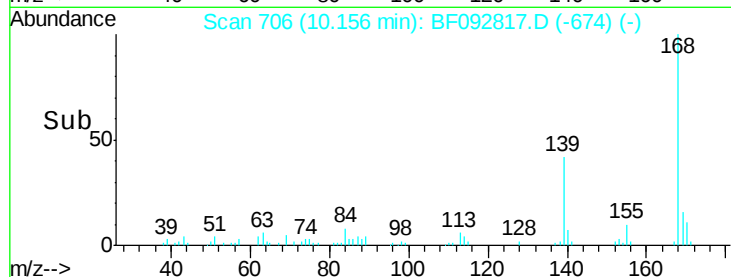
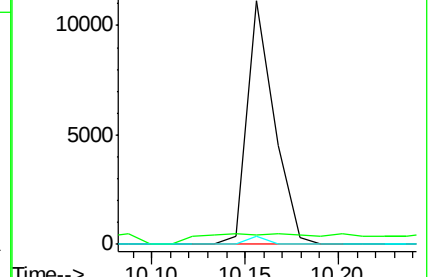
65 3.1 85.8 125.8#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 6.78 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.18 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion:165 Resp: 31218

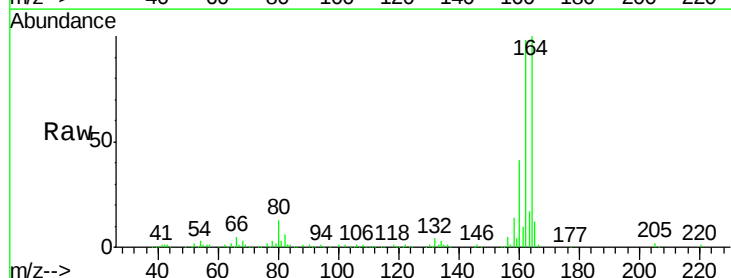
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 0.0 62.5 93.7#

182 0.0 1.8 2.8#

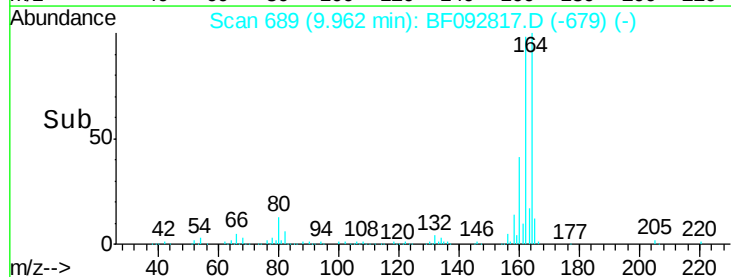
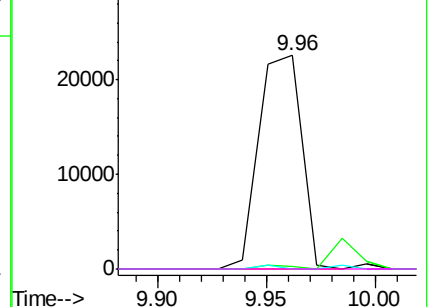


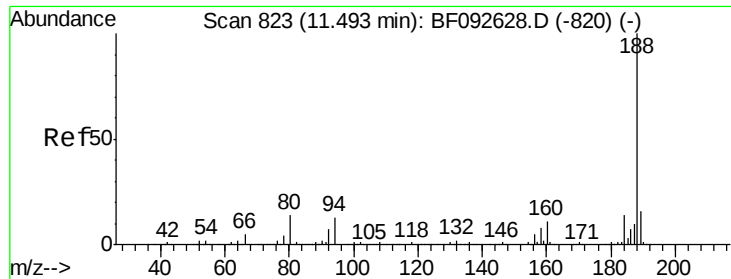
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

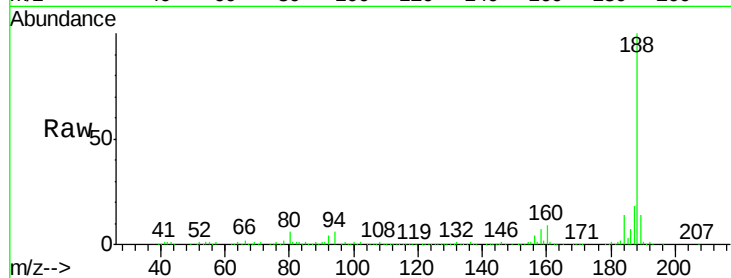




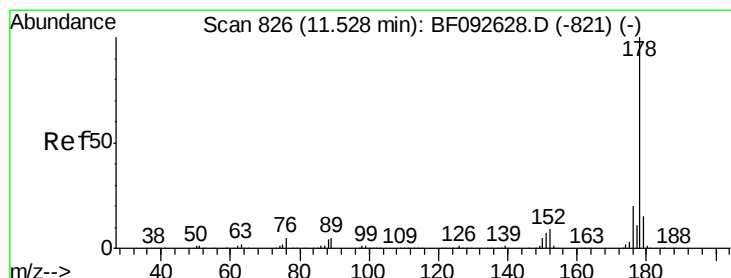
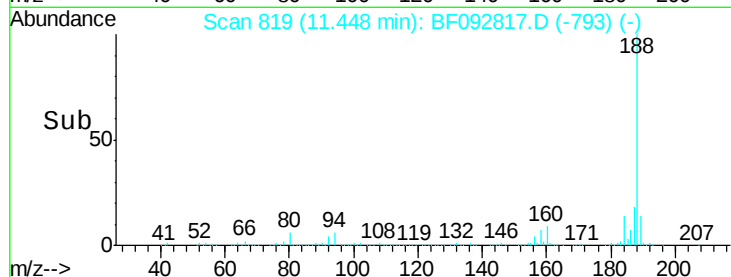
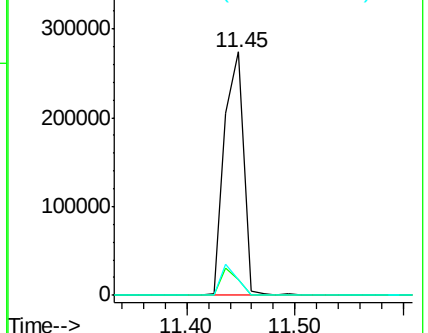
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampleId :
C-1

Tgt Ion:188 Resp: 337520
Ion Ratio Lower Upper
188 100
94 6.4 10.0 15.0#
80 6.4 11.2 16.8#

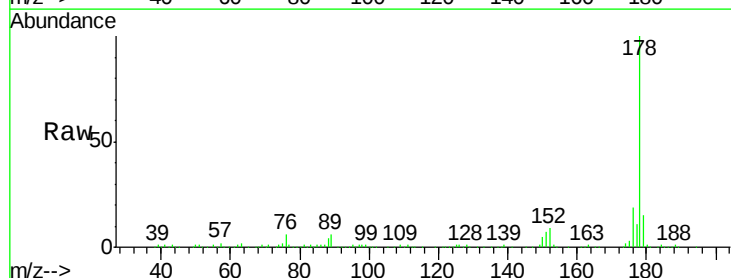


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

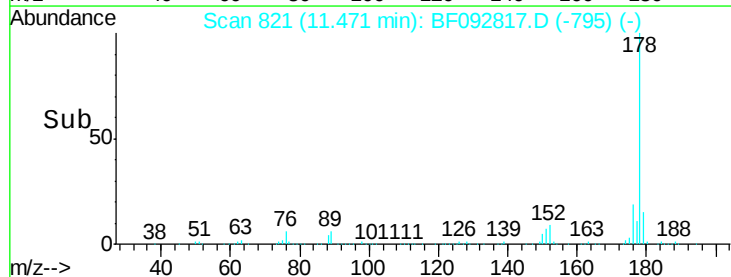
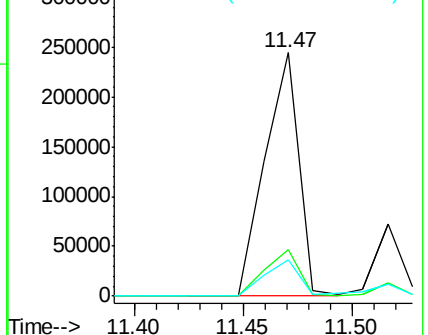


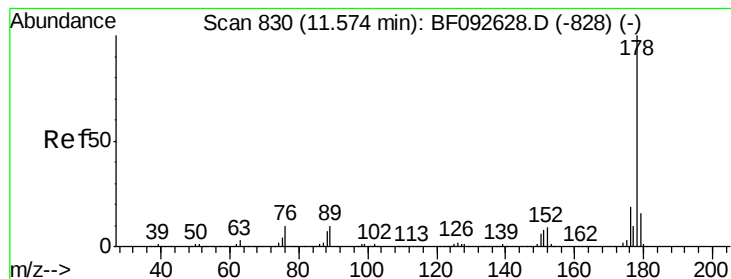
#70
Phenanthrene
Concen: 13.75 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion:178 Resp: 265813
Ion Ratio Lower Upper
178 100
176 18.9 16.6 25.0
179 14.8 12.8 19.2



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: 3.26 ng

RT: 11.52 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

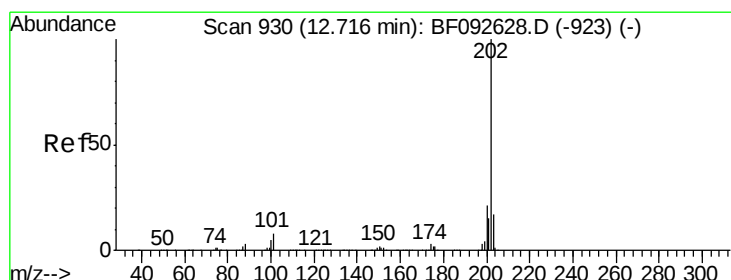
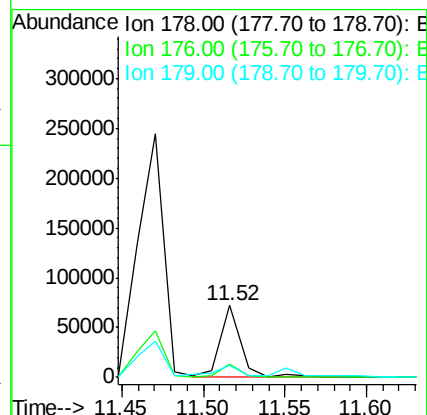
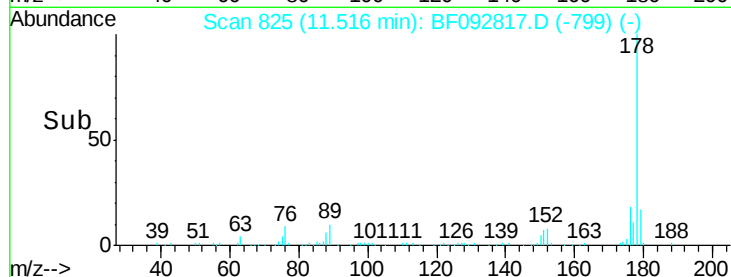
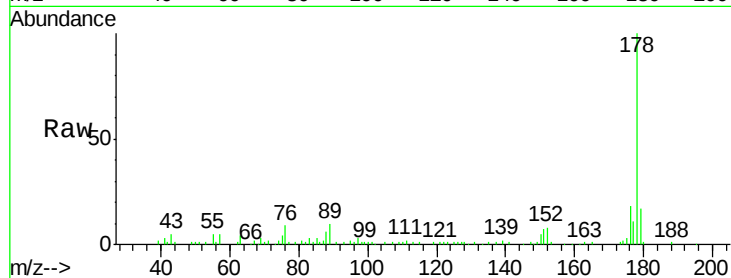
Tgt Ion:178 Resp: 63260

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

179 16.7 13.2 19.8



#74

Fluoranthene

Concen: 13.87 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

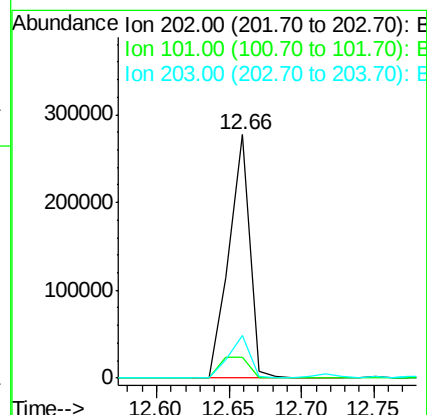
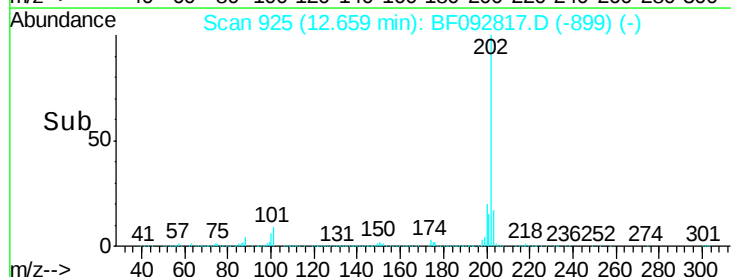
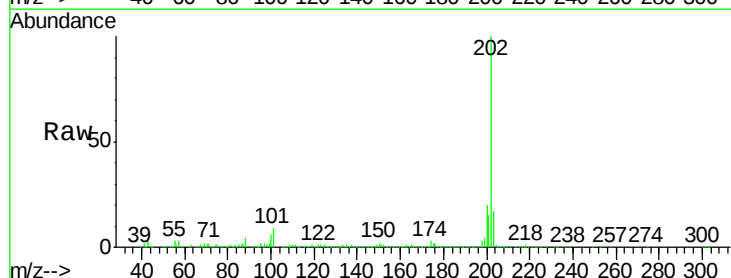
Tgt Ion:202 Resp: 276572

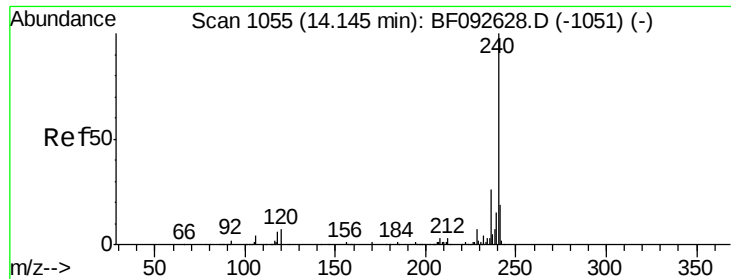
Ion Ratio Lower Upper

202 100

101 8.6 0.0 34.6

203 17.3 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

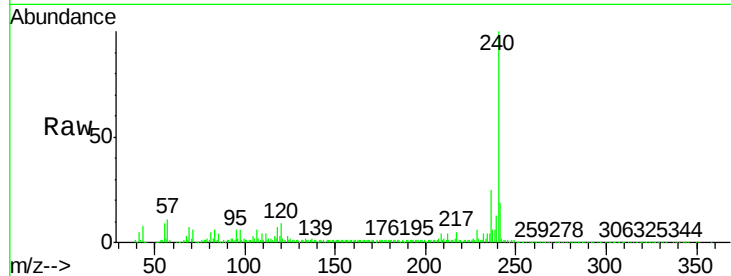
Tgt Ion:240 Resp: 296109

Ion Ratio Lower Upper

240 100

120 9.0 12.9 19.3#

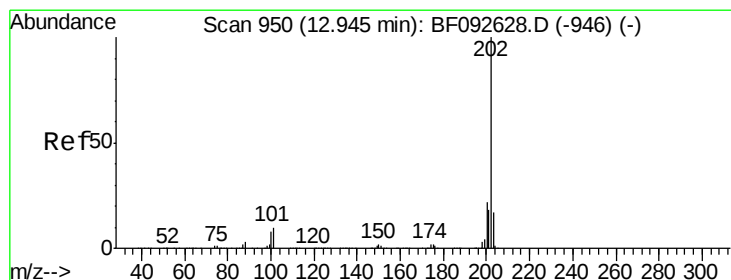
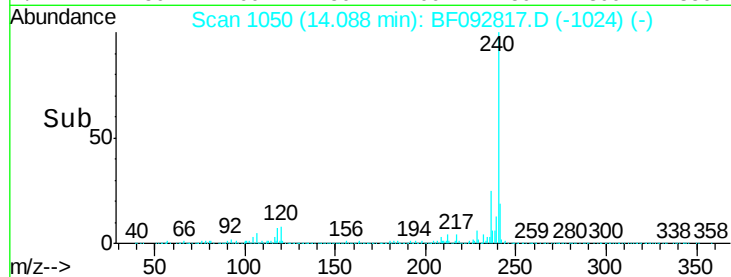
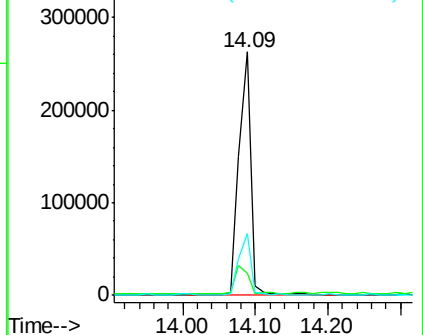
236 25.5 20.9 31.3



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: 10.91 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

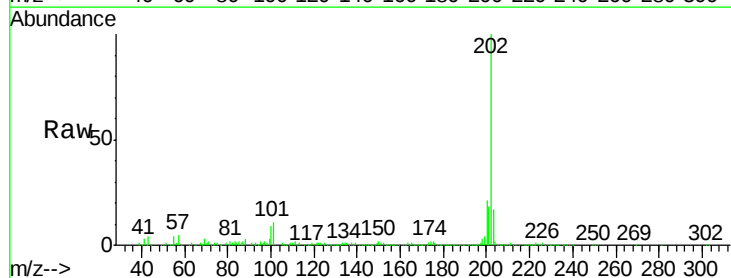
Tgt Ion:202 Resp: 241742

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

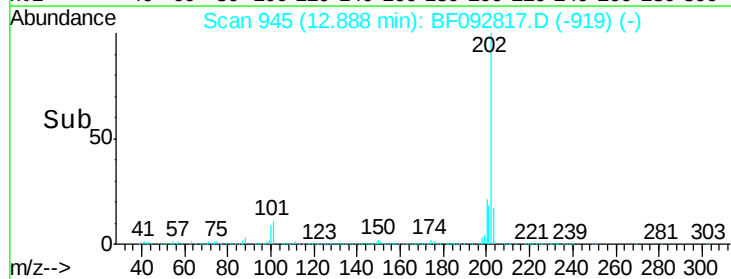
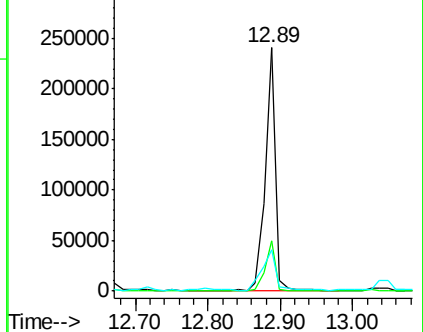
203 17.2 14.7 22.1

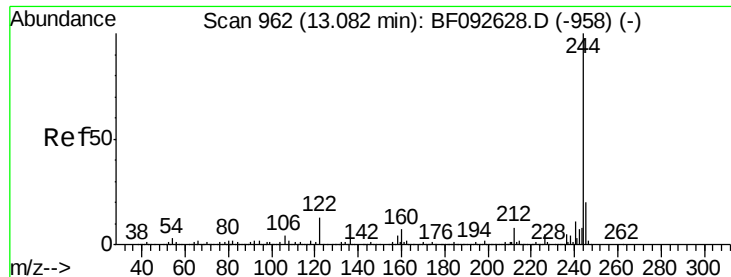


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

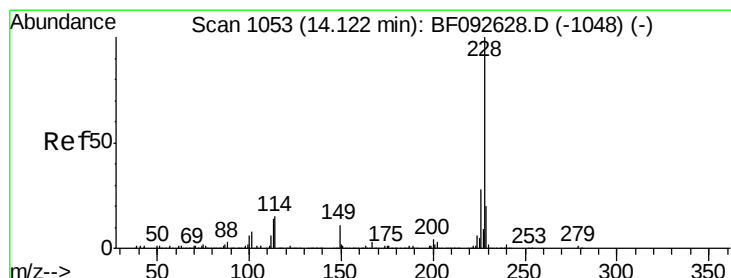
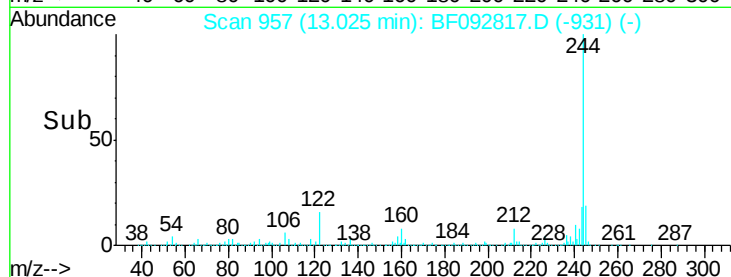
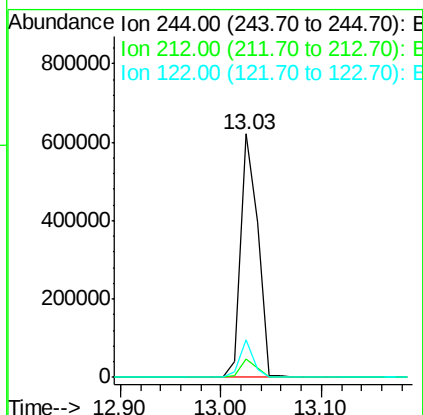
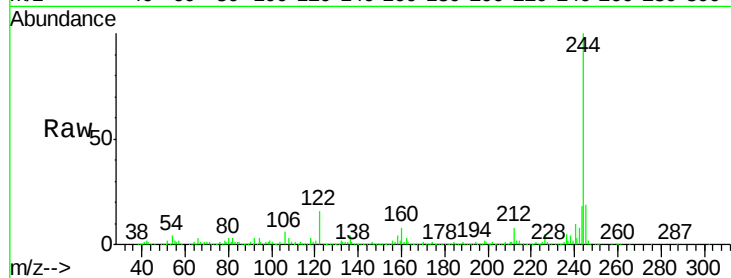




#78
 Terphenyl-d14
 Concen: 58.21 ng
 RT: 13.03 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

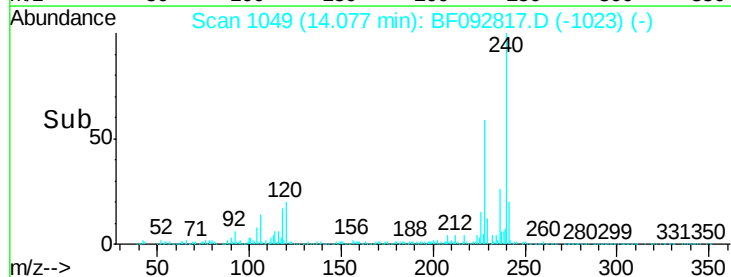
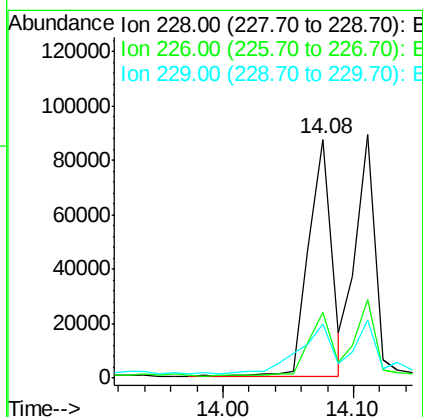
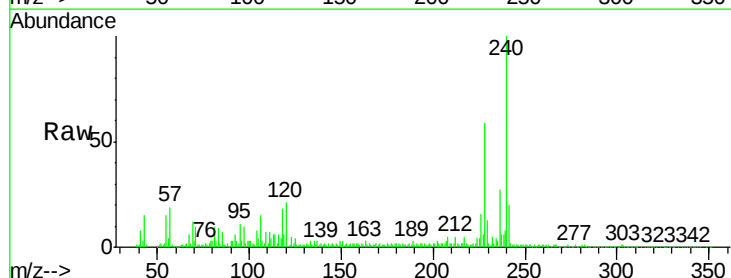
Instrument :
 BNA_F
 ClientSampleId :
 C-1

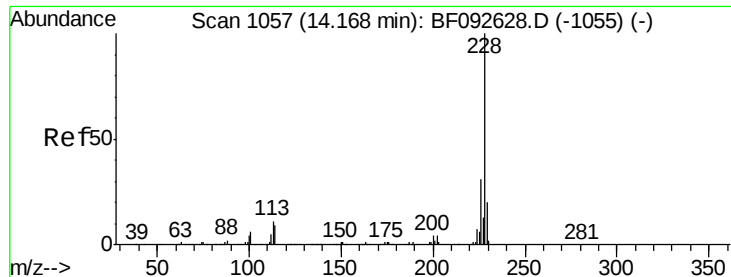
Tgt Ion:244 Resp: 733583
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 15.6 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 5.83 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Tgt Ion:228 Resp: 105623
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 22.9 16.2 24.4





#82

Chrysene

Concen: 6.23 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.03 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

ClientSampleId :

C-1

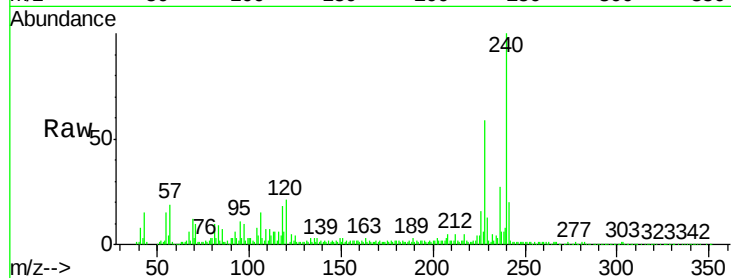
Tgt Ion: 228 Resp: 105623

Ion Ratio Lower Upper

228 100

226 27.3 25.4 38.0

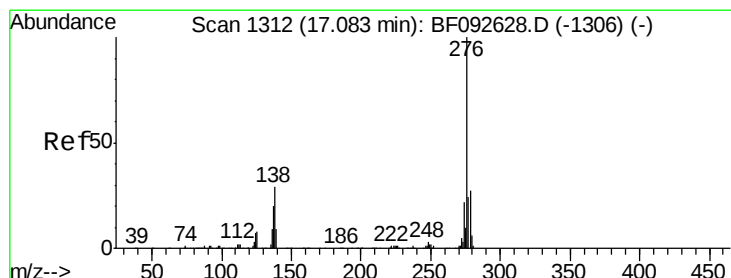
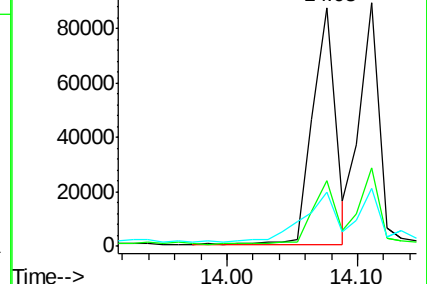
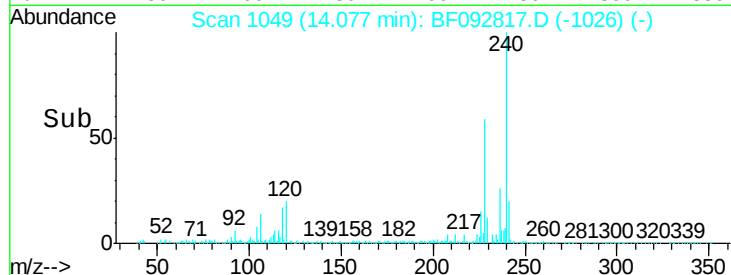
229 22.9 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng

RT: 16.99 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

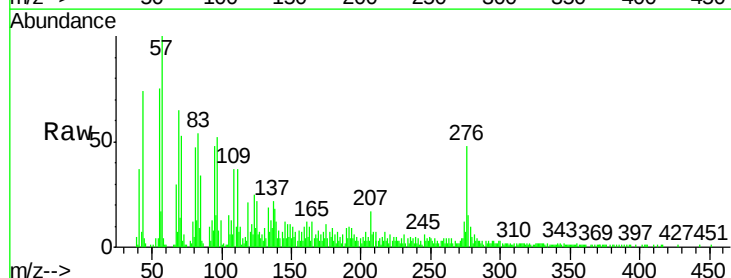
Tgt Ion: 276 Resp: 32579

Ion Ratio Lower Upper

276 100

138 33.0 21.8 32.6#

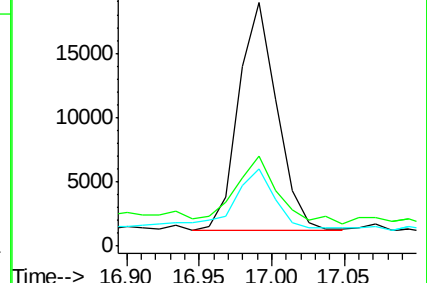
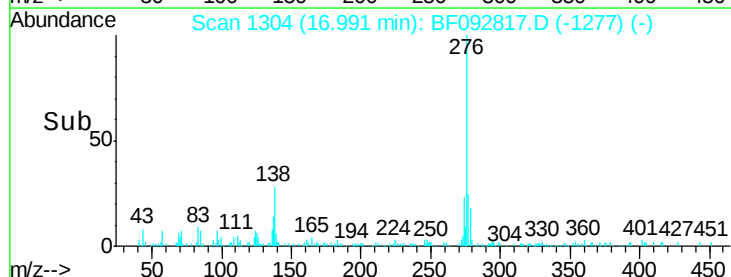
277 34.3 20.2 30.4#

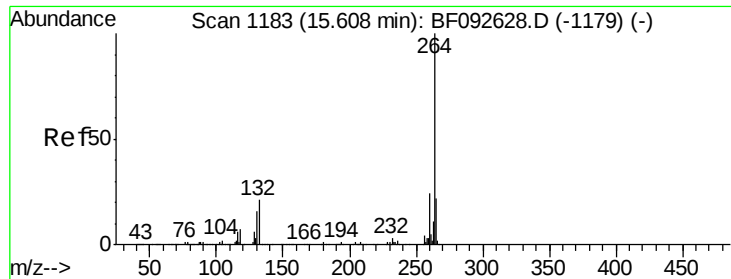


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

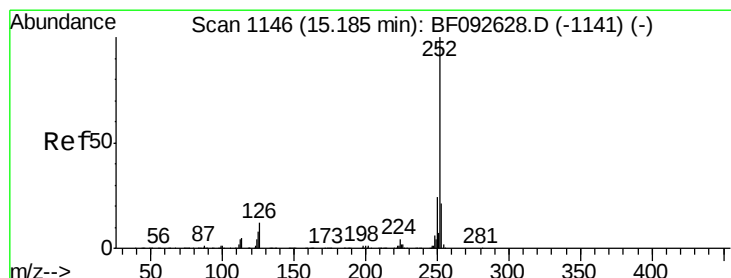
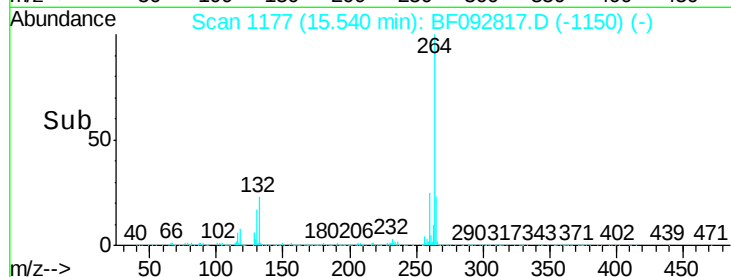
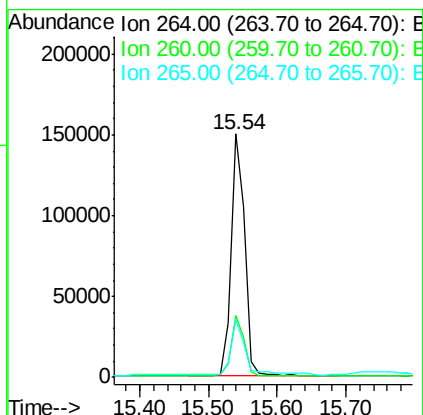
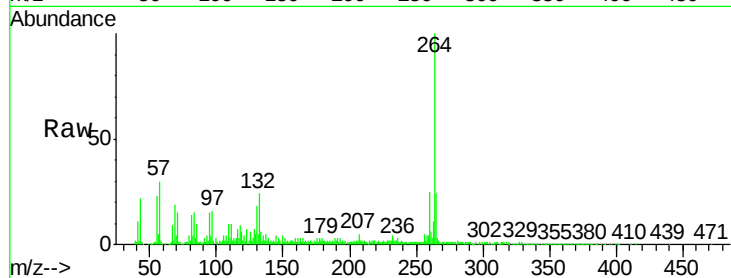




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

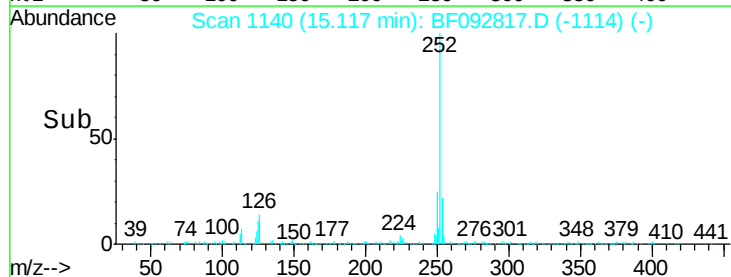
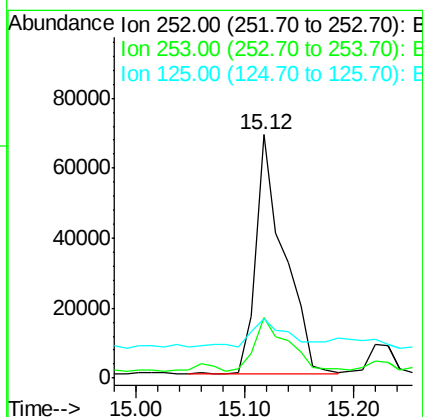
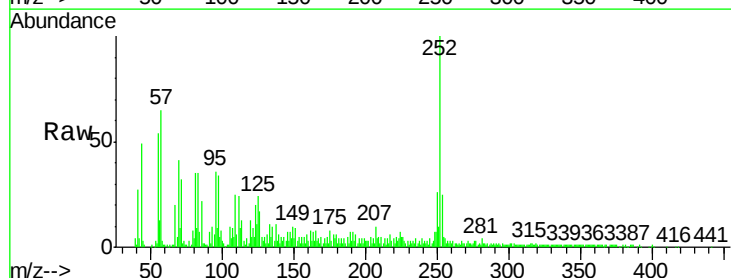
Instrument :
BNA_F
ClientSampleId :
C-1

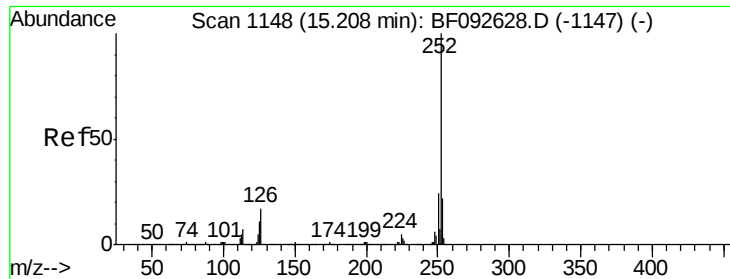
Tgt Ion: 264 Resp: 209841
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 23.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 9.07 ng
RT: 15.12 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion: 252 Resp: 125312
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.4
125 24.3 9.8 14.6#

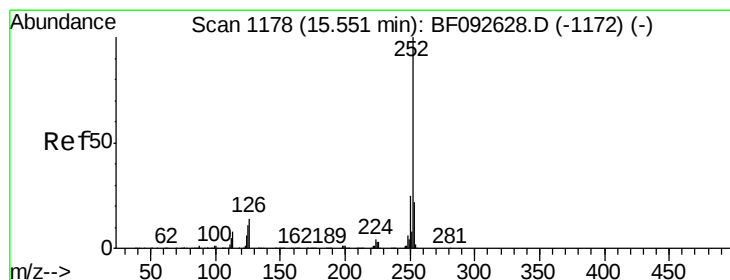
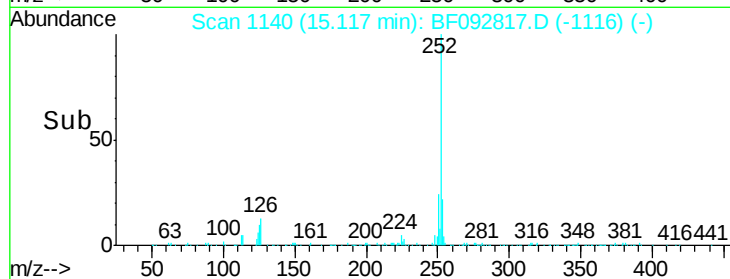
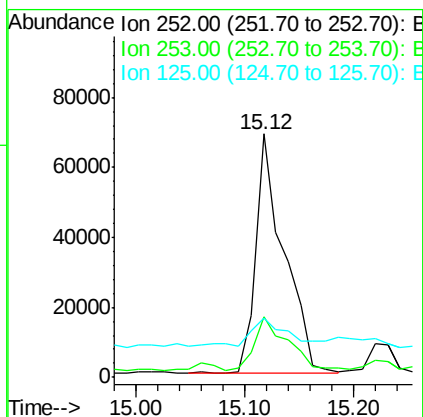
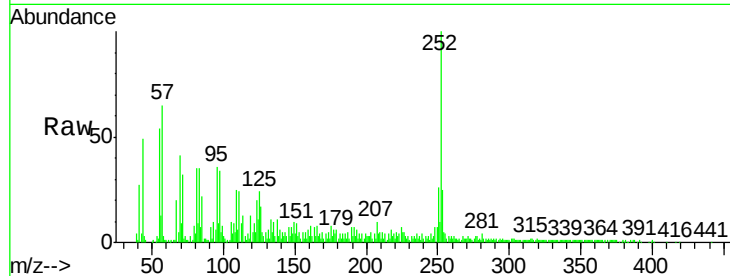




#88
Benzo(k)fluoranthene
Concen: 10.51 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

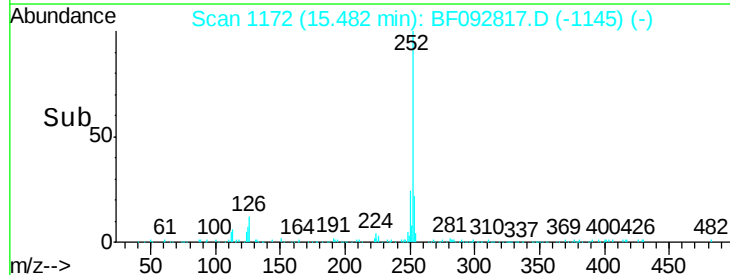
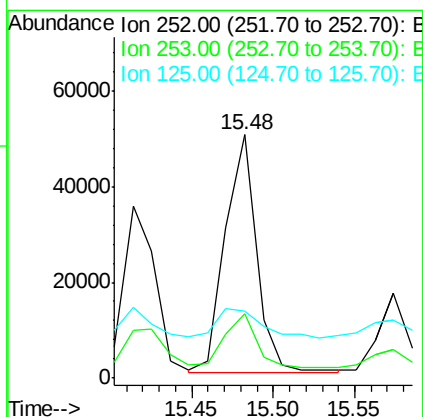
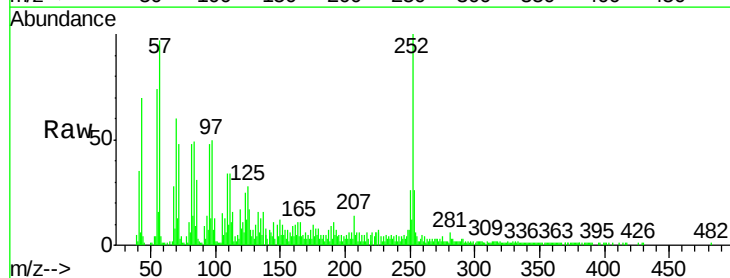
Instrument :
BNA_F
ClientSampleId :
C-1

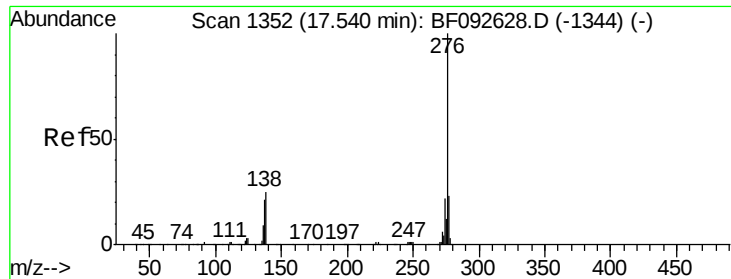
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	24.3	8.9	13.3



#89
Benzo(a)pyrene
Concen: 5.58 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.2	27.2
125	27.6	10.0	15.0





#91
 Benzo(g,h,i)perylene
 Concen: 4.38 ng
 RT: 17.43 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Tgt Ion: 276 Resp: 42703
 Ion Ratio Lower Upper
 276 100
 277 29.2 19.2 28.8#
 138 33.2 16.0 24.0#

