

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013017\
 Data File : BF092660.D
 Acq On : 31 Jan 2017 3:27
 Operator : SJ/MA
 Sample : I1593-09 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-8

Quant Time: Jan 31 06:04:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

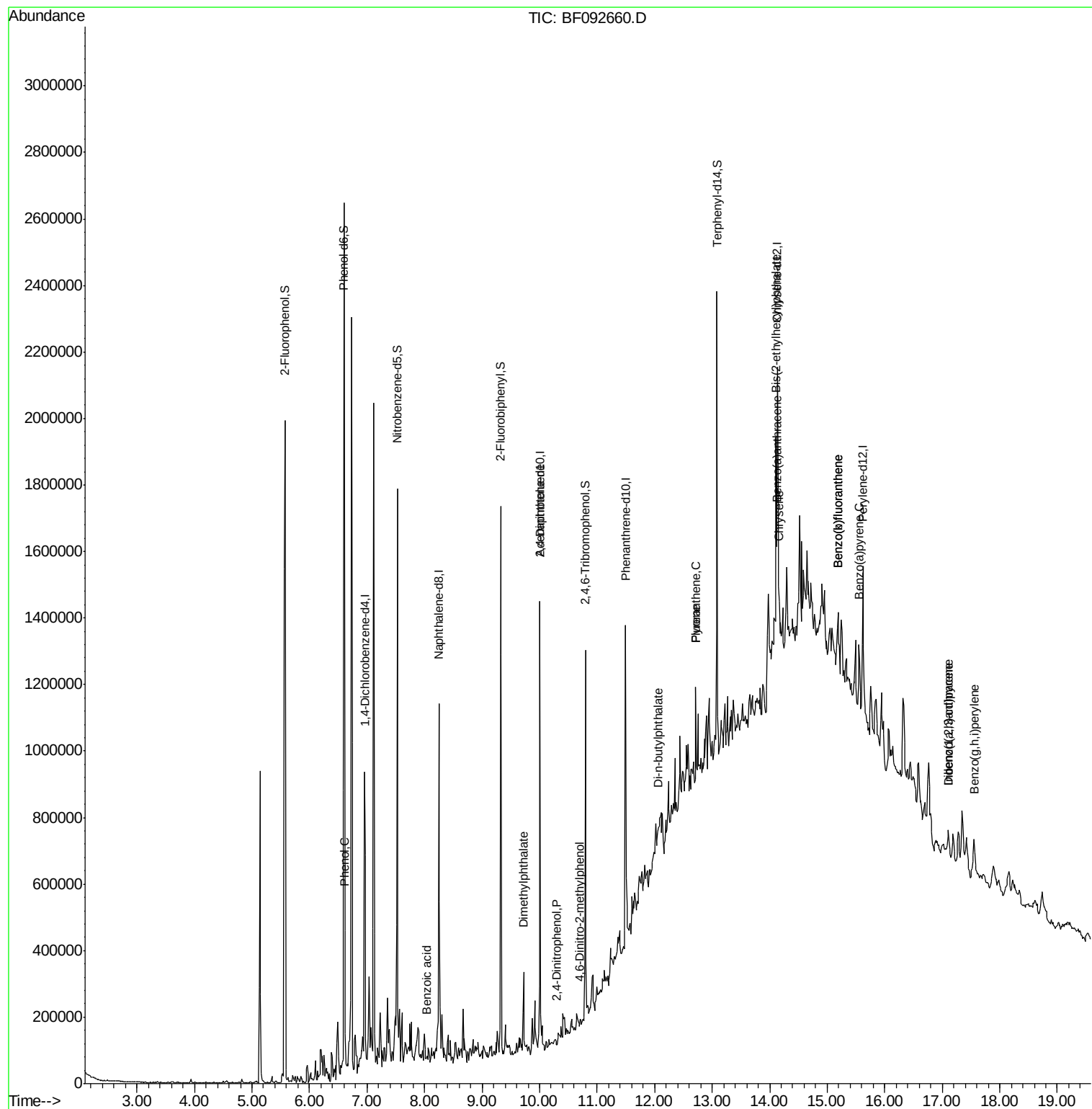
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	145435	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	526343	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	262880	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	339946	20.00	ng	0.00
75) Chrysene-d12	14.13	240	280075	20.00	ng	-0.01
86) Perylene-d12	15.62	264	210226	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	707819	83.50	ng	0.00
7) Phenol-d6	6.60	99	833119	76.38	ng	0.00
23) Nitrobenzene-d5	7.53	82	509382	53.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	111569	58.68	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	719845	49.61	ng	-0.01
78) Terphenyl-d14	13.08	244	449804	37.74	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.61	94	77592	6.08	ng	# 70
32) Benzoic acid	8.03	122	1823	7.50	ng	# 36
49) Dimethylphthalate	9.72	163	65253	3.69	ng	# 98
53) 2,4-Dinitrophenol	10.29	184	243	4.85	ng	# 30
56) 2,4-Dinitrotoluene	10.01	165	35522	6.98	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.69	198	218	2.77	ng	# 1
73) Di-n-butylphthalate	12.05	149	44665	2.21	ng	# 95
74) Fluoranthene	12.72	202	82180	4.09	ng	96
77) Pyrene	12.72	202	82180	3.92	ng	95
80) Benzo(a)anthracene	14.12	228	119790	6.99	ng	# 87
82) Chrysene	14.16	228	97143	6.06	ng	# 81
83) Bis(2-ethylhexyl)phthalate	14.11	149	168082	14.44	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.11	276	51130	4.12	ng	# 68
87) Benzo(b)fluoranthene	15.19	252	92405	6.68	ng	# 77
88) Benzo(k)fluoranthene	15.19	252	92405	7.73	ng	# 77
89) Benzo(a)pyrene	15.55	252	105911	8.85	ng	# 85
90) Dibenzo(a,h)anthracene	17.11	278	58066	6.00	ng	# 58
91) Benzo(g,h,i)perylene	17.55	276	74333	7.61	ng	# 80

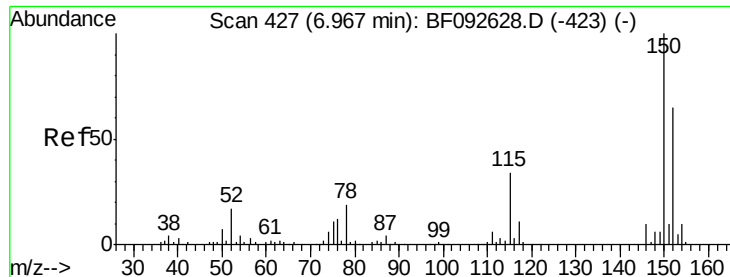
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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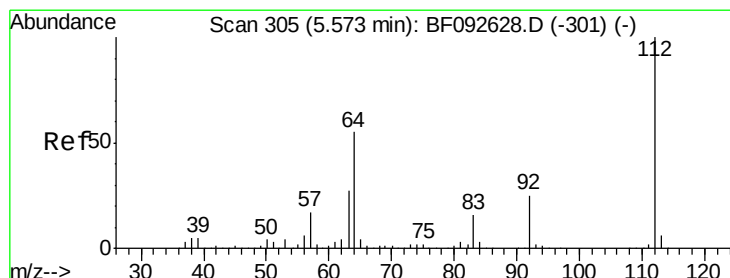
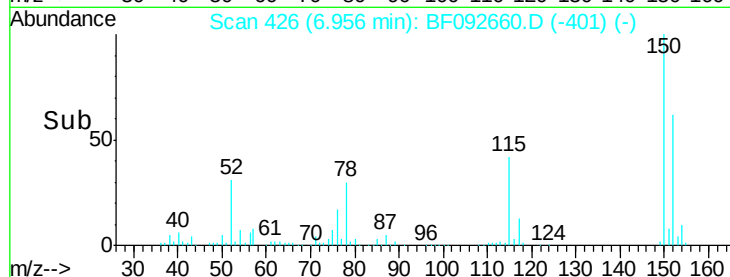
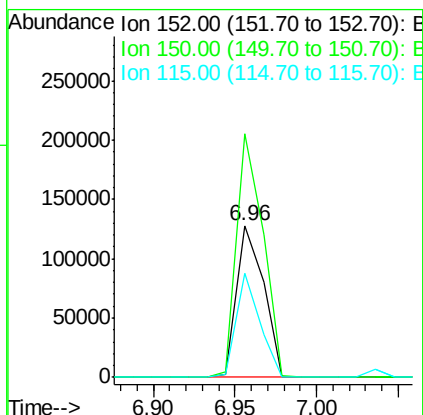
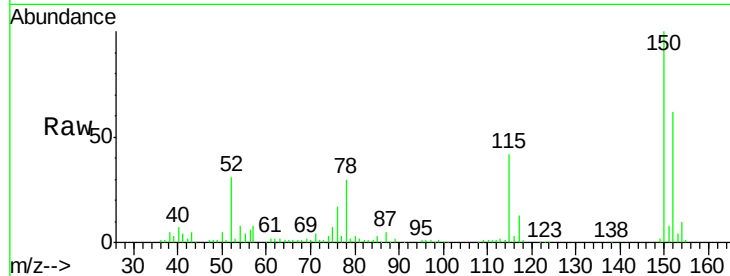


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Instrument :
BNA_F
ClientSampled :
B2-8

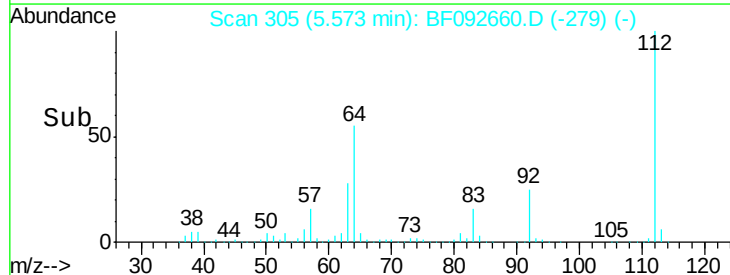
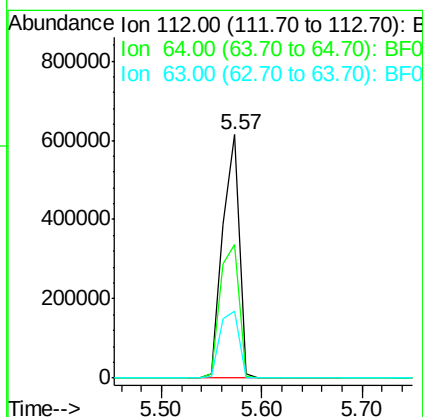
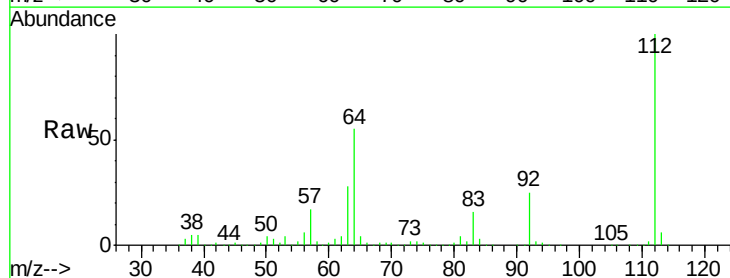
Tgt Ion:152 Resp: 145435
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 68.1 46.0 69.0

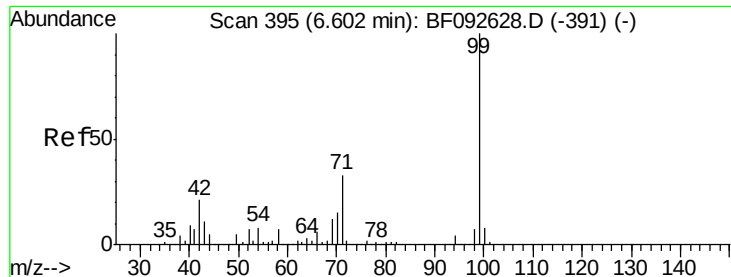


#5

2-Fluorophenol
Concen: 83.50 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Tgt Ion:112 Resp: 707819
Ion Ratio Lower Upper
112 100
64 54.7 46.1 69.1
63 27.6 23.8 35.6





#7

Phenol-d6

Concen: 76.38 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

B2-8

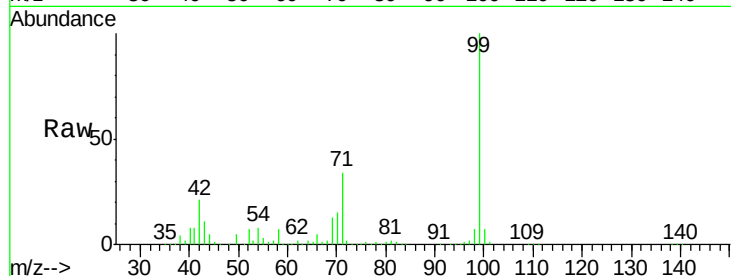
Tgt Ion: 99 Resp: 833119

Ion Ratio Lower Upper

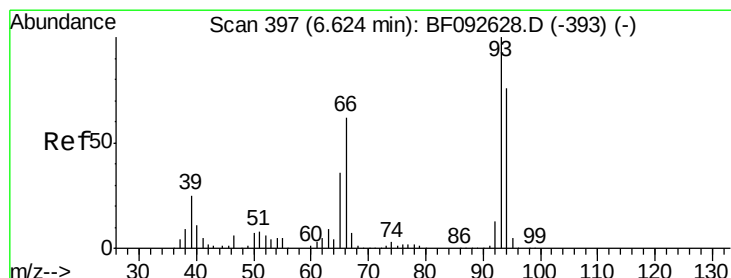
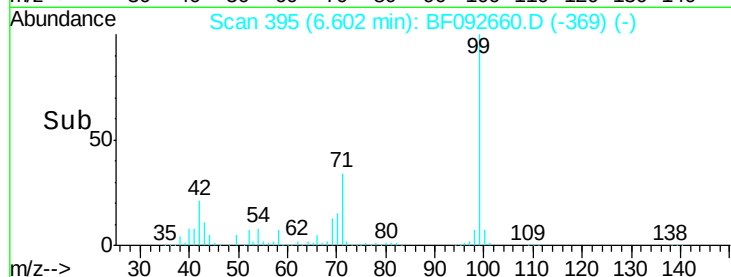
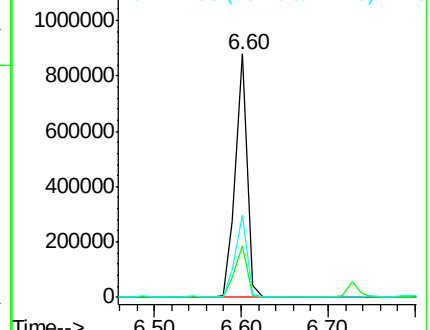
99 100

42 21.3 15.6 23.4

71 33.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.08 ng

RT: 6.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

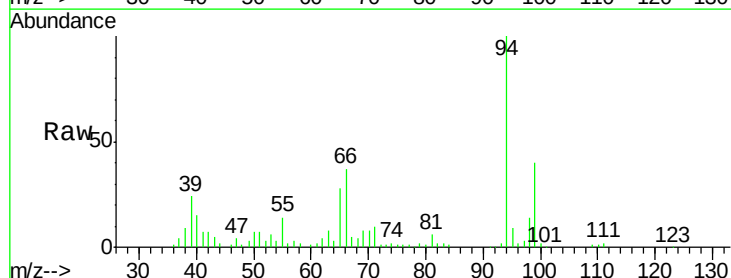
Tgt Ion: 94 Resp: 77592

Ion Ratio Lower Upper

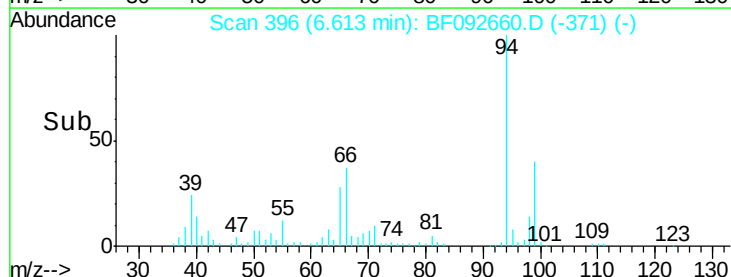
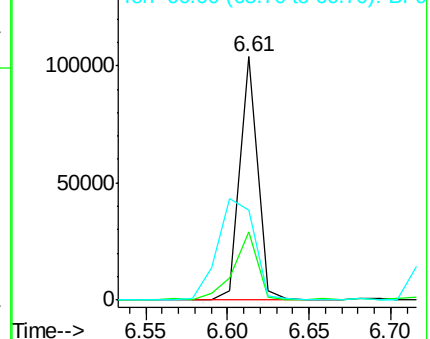
94 100

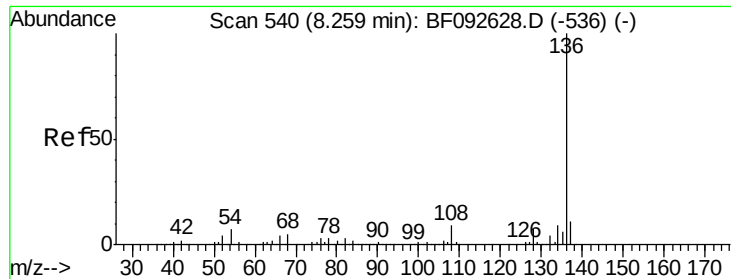
65 28.0 21.4 61.4

66 36.8 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

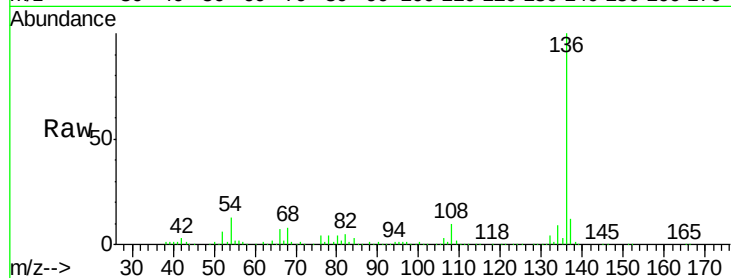




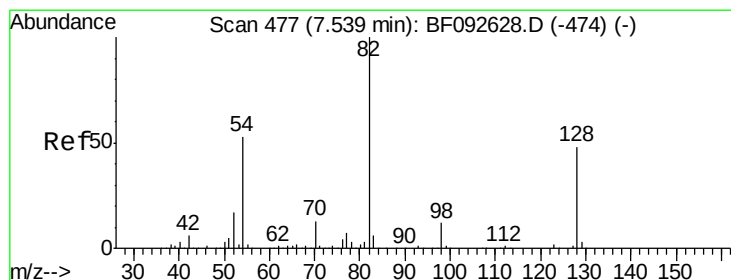
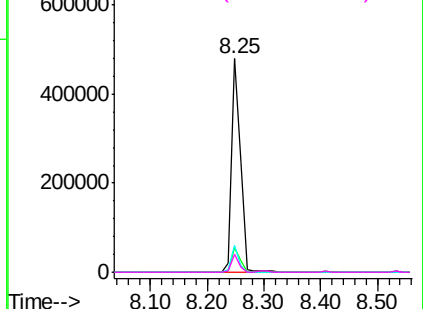
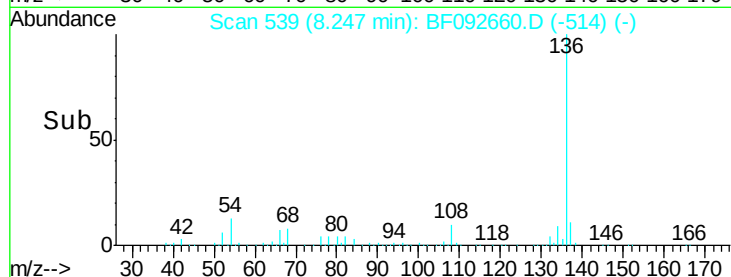
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Instrument :
BNA_F
ClientSampleId :
B2-8

Tgt Ion:	136	Resp:	526343
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.4	12.6
54	12.8	4.5	6.7#
68	8.1	3.6	5.4#

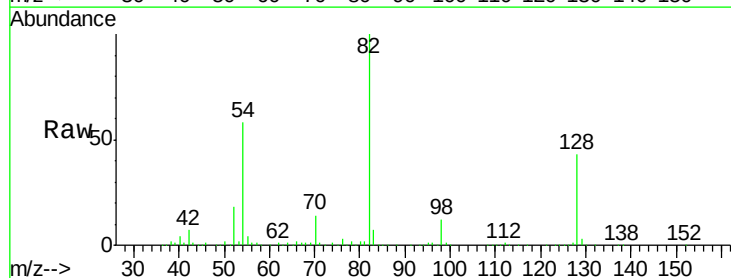


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

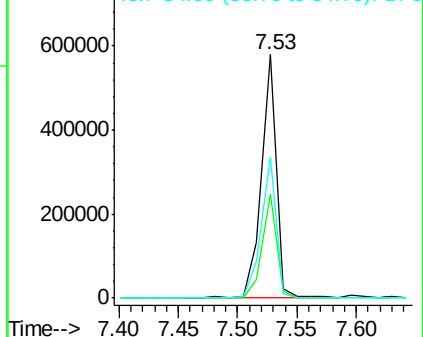
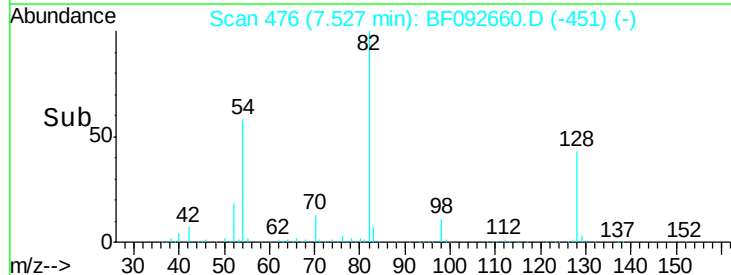


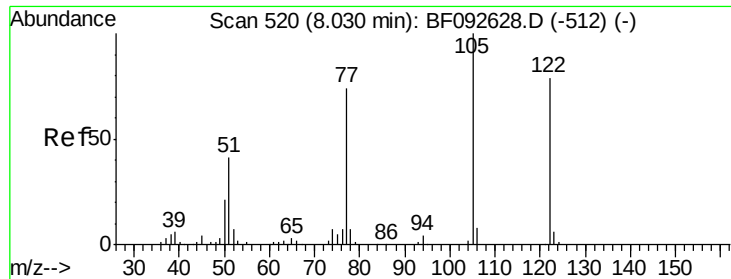
#23
Nitrobenzene-d5
Concen: 53.89 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Tgt Ion:	82	Resp:	509382
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	57.9	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





#32

Benzoic acid

Concen: 7.50 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

B2-8

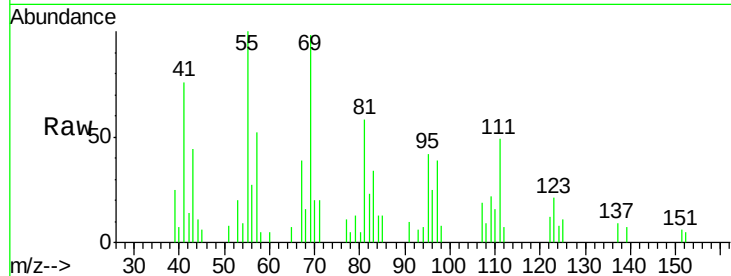
Tgt Ion:122 Resp: 1823

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

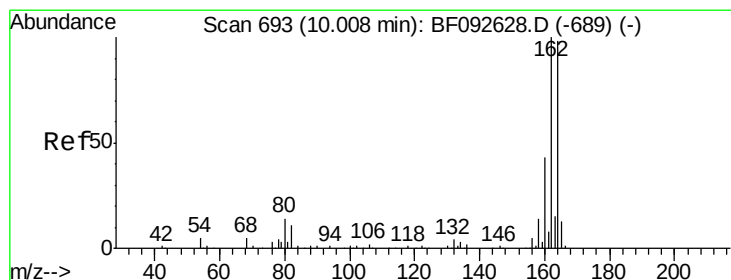
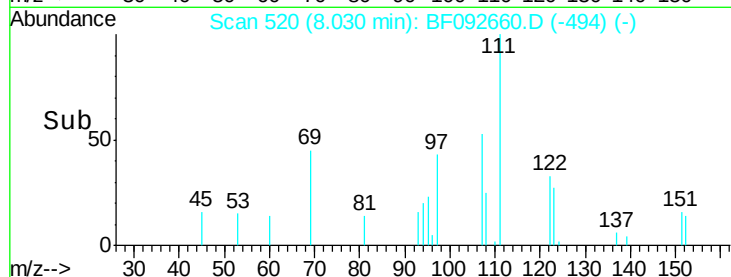
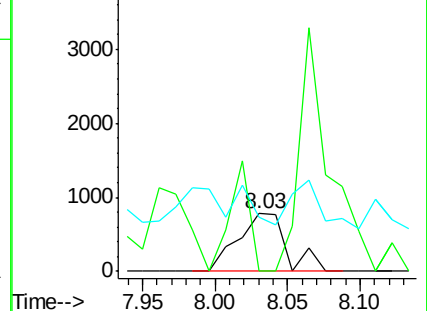
77 93.7 74.5 114.5



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: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

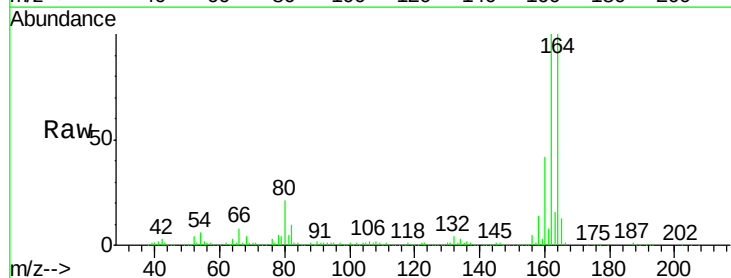
Tgt Ion:164 Resp: 262880

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.2

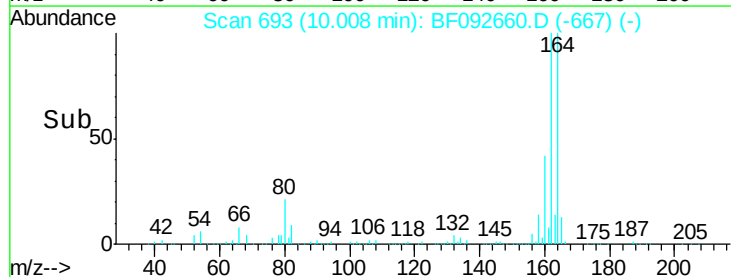
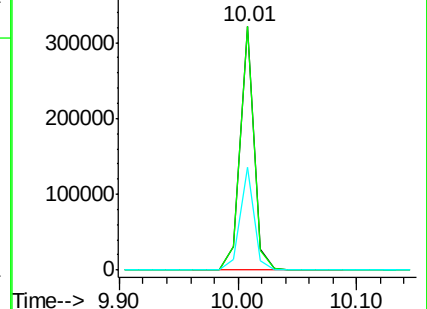
160 42.2 36.9 55.3

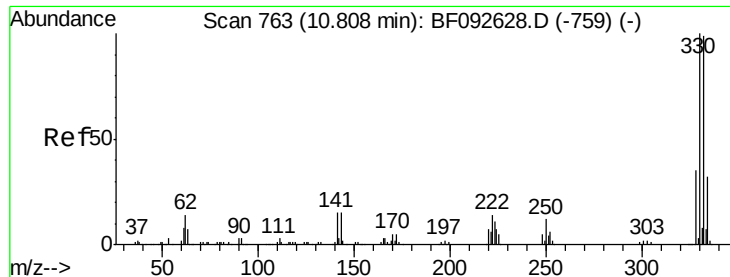


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

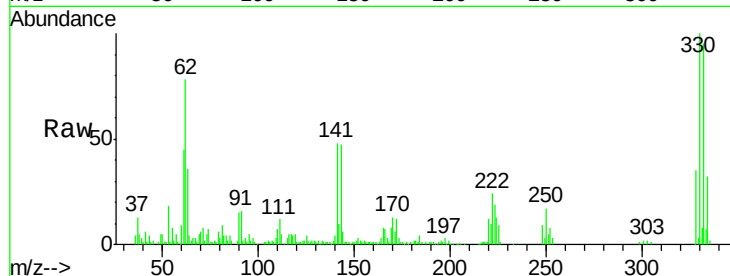




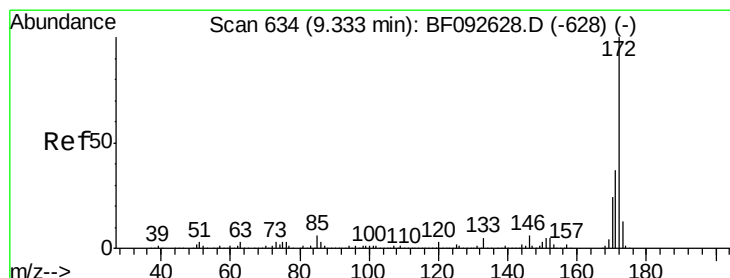
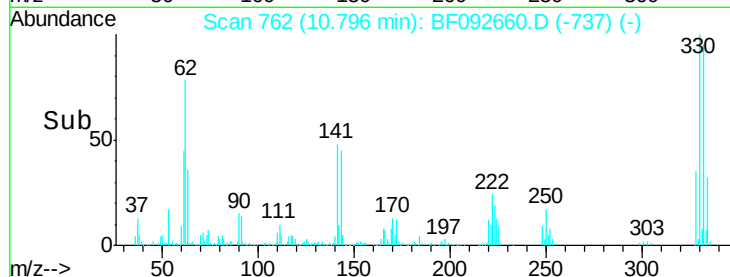
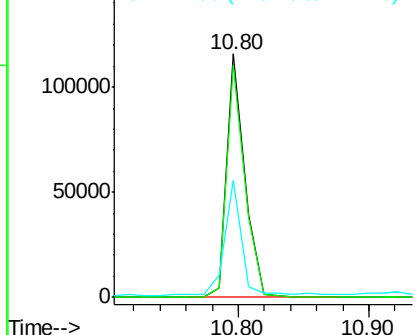
#41
 2,4,6-Tribromophenol
 Concen: 58.68 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092660.D
 Acq: 31 Jan 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :
 B2-8

Tgt Ion:330 Resp: 111569
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 44.8 34.1 51.1

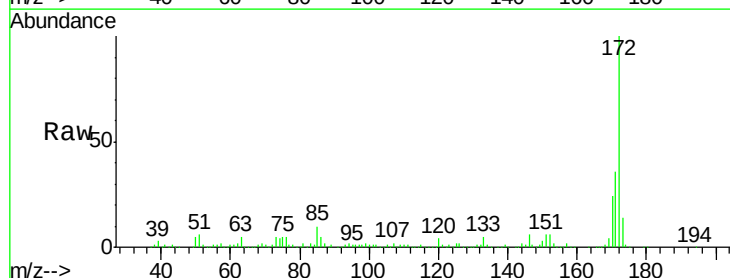


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

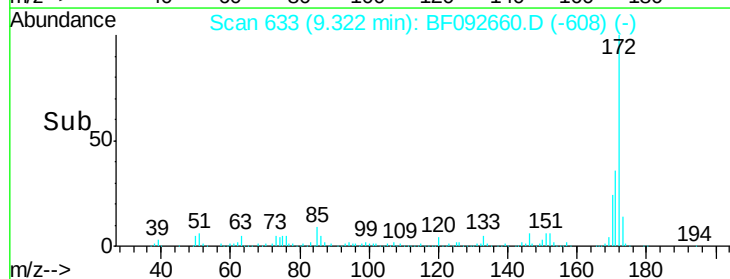
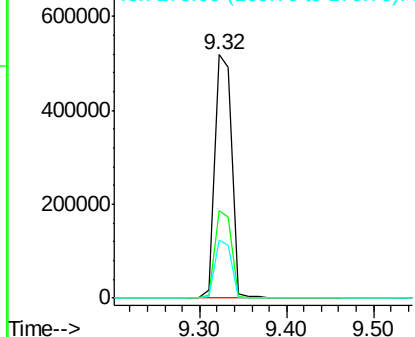


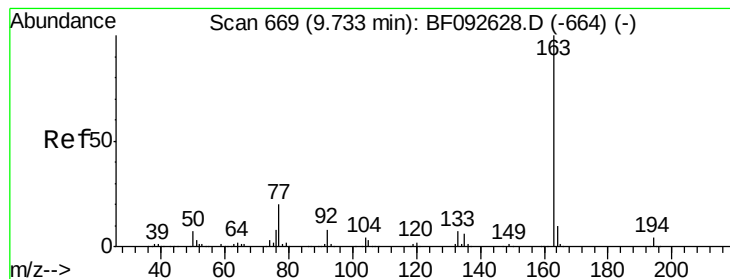
#44
 2-Fluorobiphenyl
 Concen: 49.61 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092660.D
 Acq: 31 Jan 2017 3:27

Tgt Ion:172 Resp: 719845
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.9 20.2 30.4



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: 3.69 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampled :

B2-8

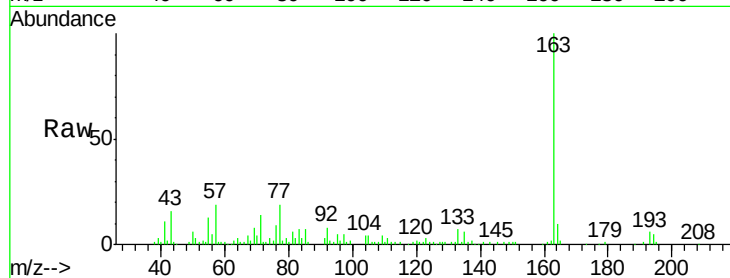
Tgt Ion:163 Resp: 65253

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.4#

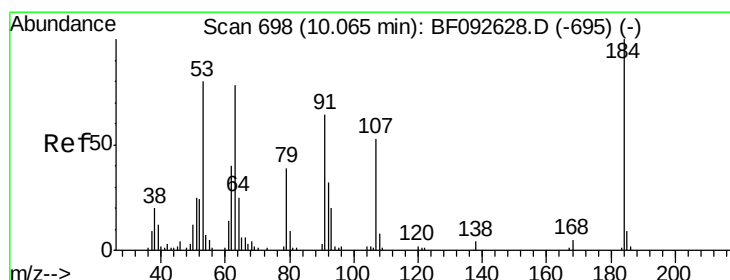
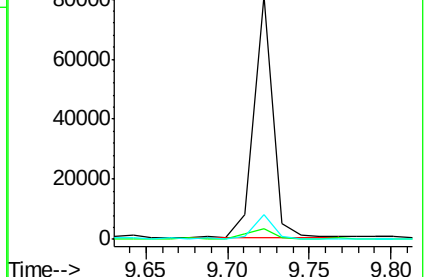
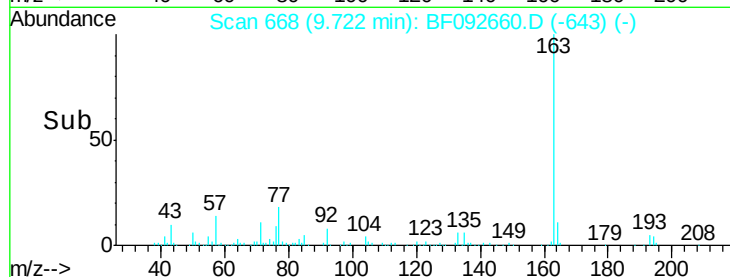
164 10.4 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 4.85 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.23 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

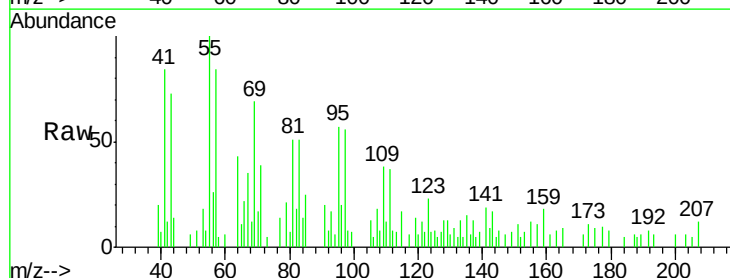
Tgt Ion:184 Resp: 243

Ion Ratio Lower Upper

184 100

63 0.0 28.4 42.6#

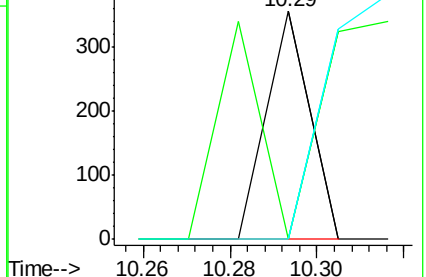
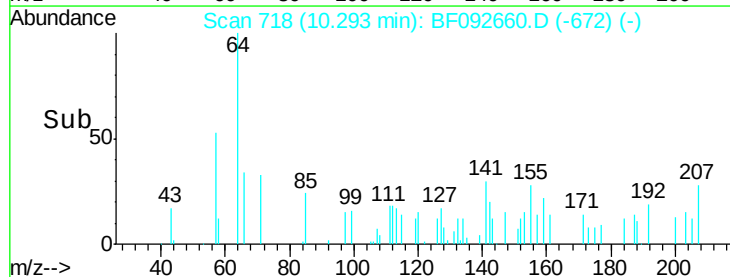
154 0.0 44.3 66.5#

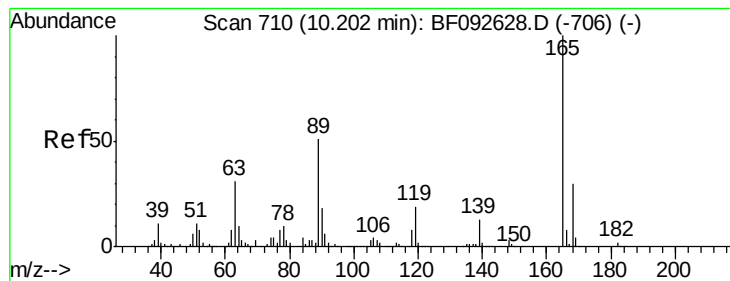


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.19 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

B2-8

Tgt Ion:165 Resp: 35522

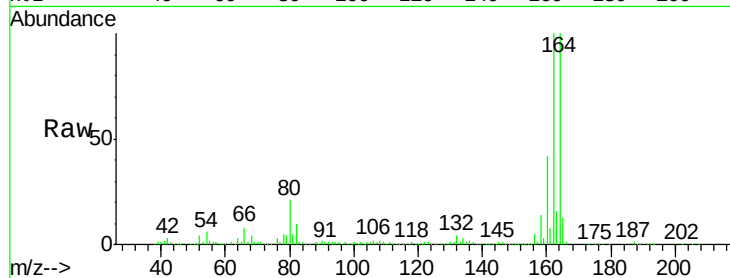
Ion Ratio Lower Upper

165 100

63 1.6 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

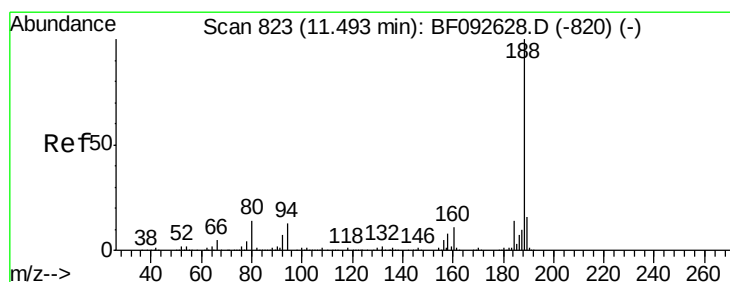
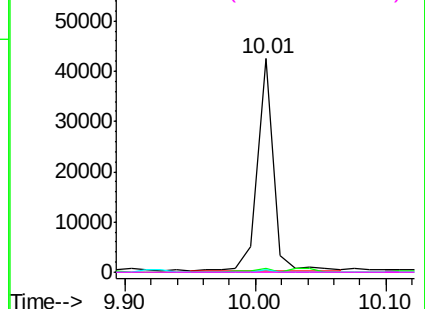
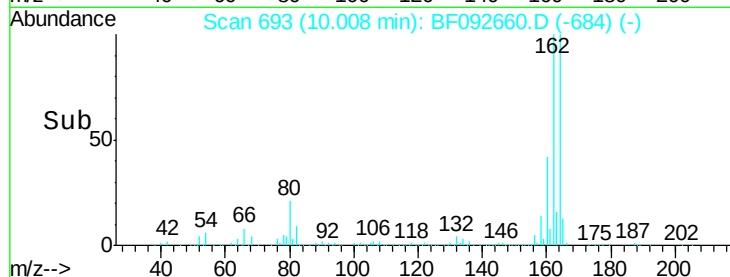


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

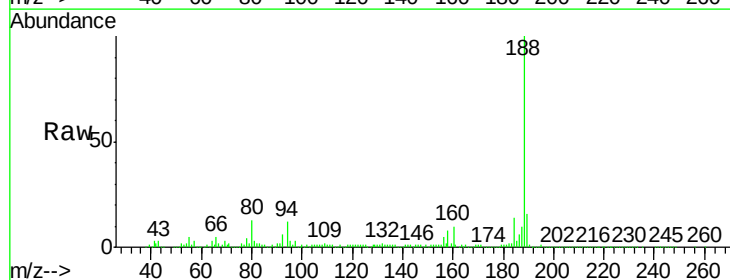
Tgt Ion:188 Resp: 339946

Ion Ratio Lower Upper

188 100

94 12.5 10.0 15.0

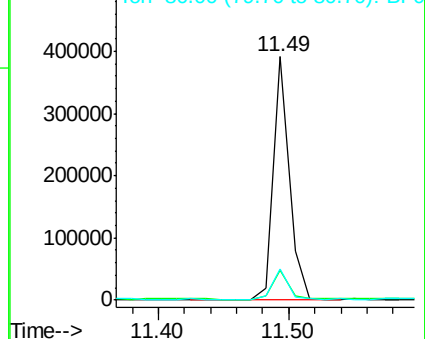
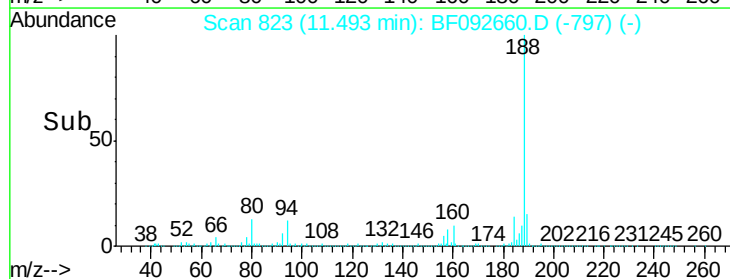
80 13.0 11.2 16.8

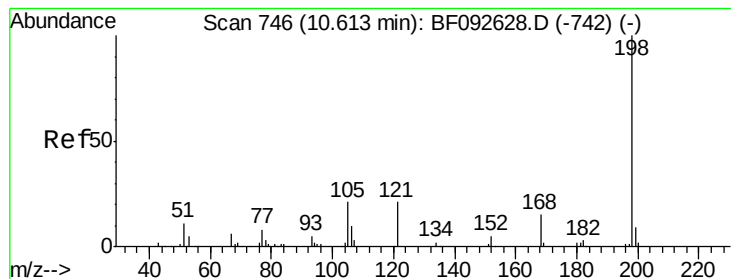


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.77 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.08 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampled :

B2-8

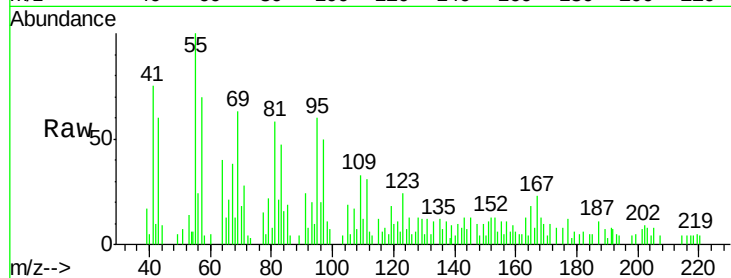
Tgt Ion:198 Resp: 218

Ion Ratio Lower Upper

198 100

51 201.3 6.7 46.7#

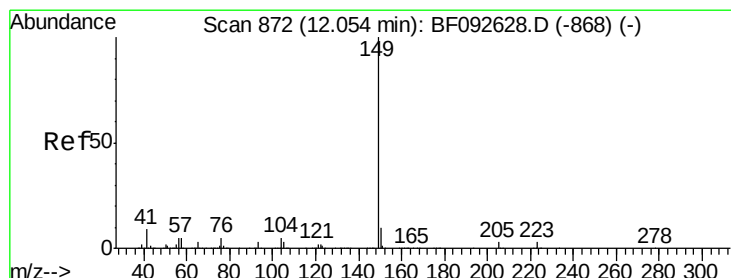
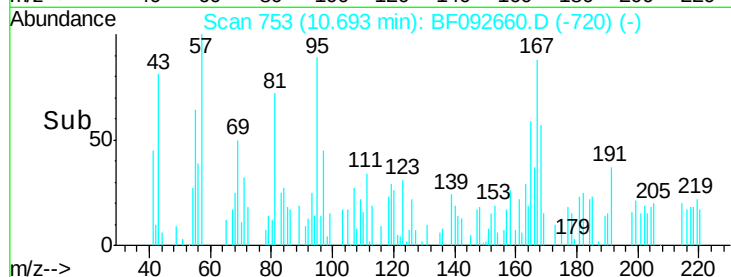
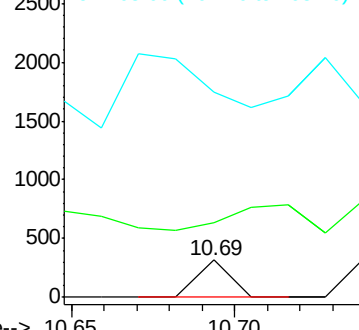
105 547.8 16.6 56.6#



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



#73

Di-n-butylphthalate

Concen: 2.21 ng

RT: 12.05 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

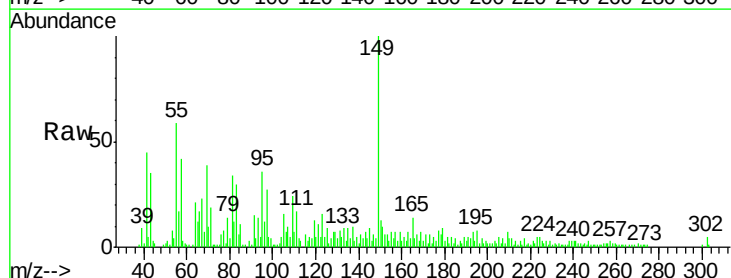
Tgt Ion:149 Resp: 44665

Ion Ratio Lower Upper

149 100

150 12.9 8.1 12.1#

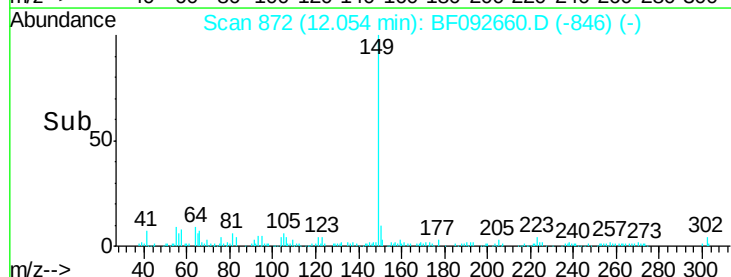
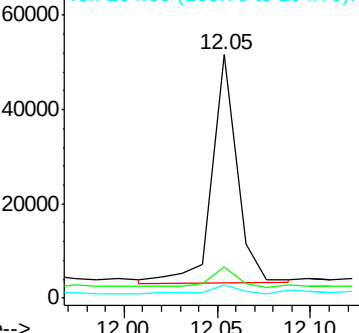
104 5.4 4.6 7.0

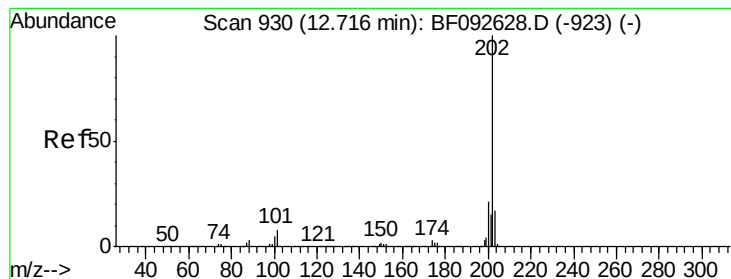


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.09 ng

RT: 12.72 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampled :

B2-8

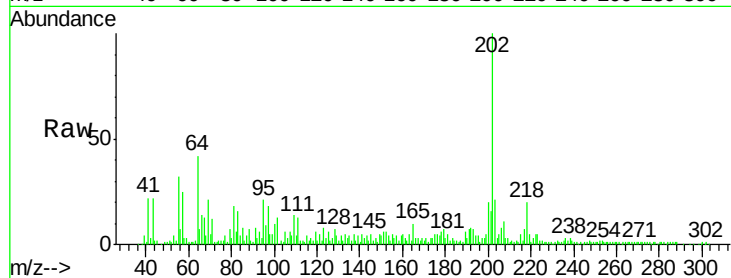
Tgt Ion:202 Resp: 82180

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.6

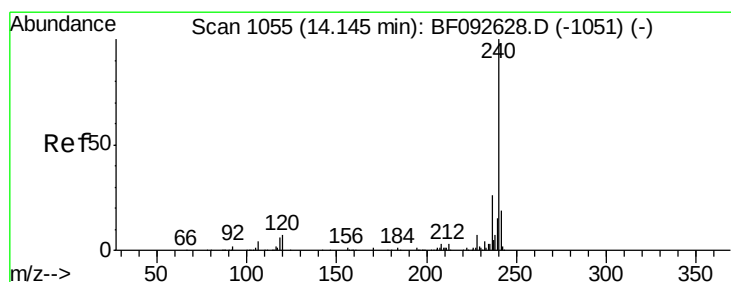
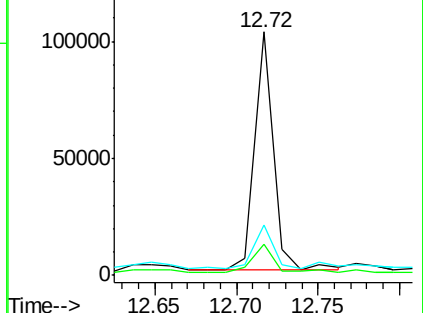
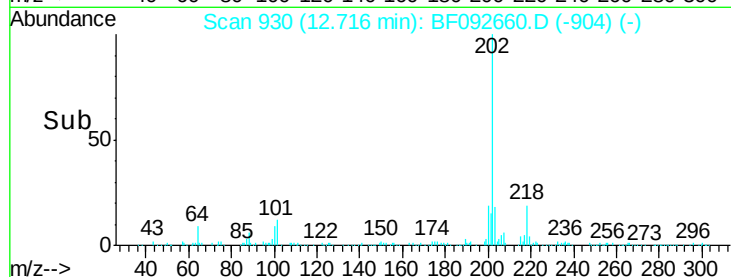
203 20.7 0.0 38.7



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: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

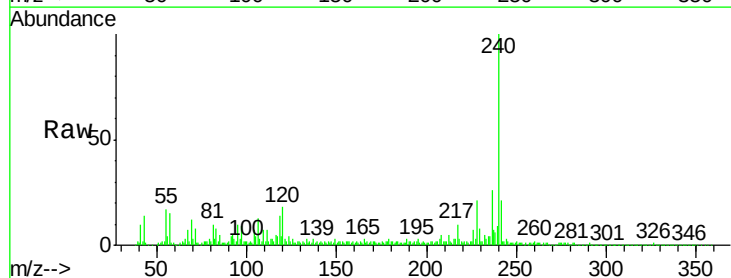
Tgt Ion:240 Resp: 280075

Ion Ratio Lower Upper

240 100

120 18.0 12.9 19.3

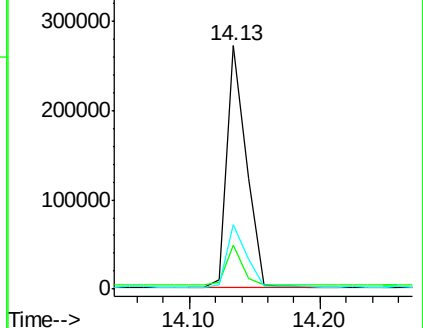
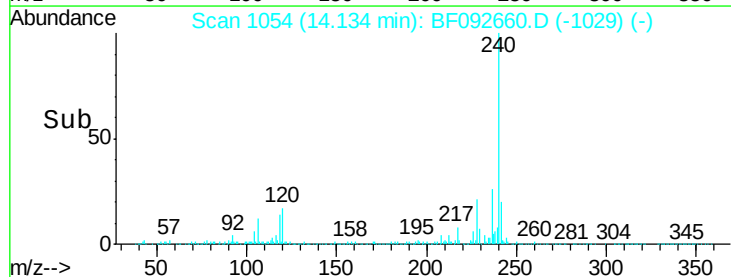
236 26.5 20.9 31.3

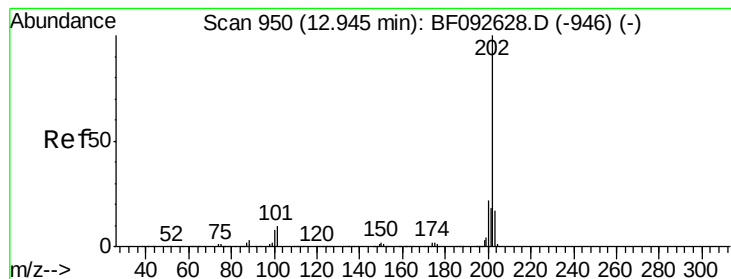


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.92 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.23 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampled :

B2-8

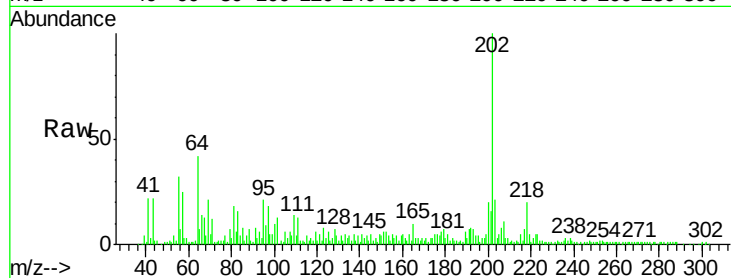
Tgt Ion:202 Resp: 82180

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

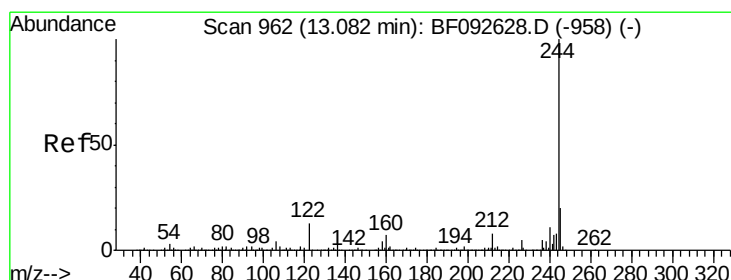
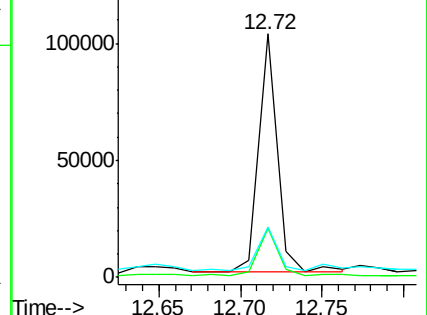
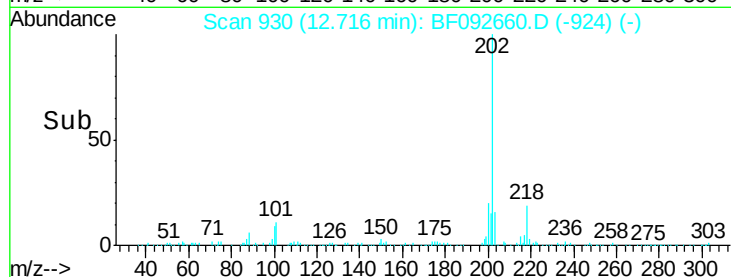
203 20.7 14.7 22.1



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: 37.74 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

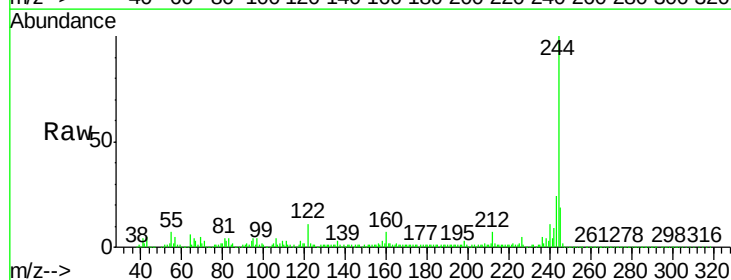
Tgt Ion:244 Resp: 449804

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

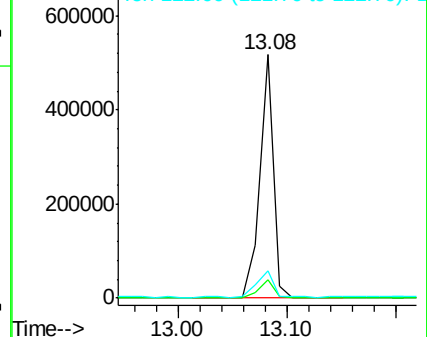
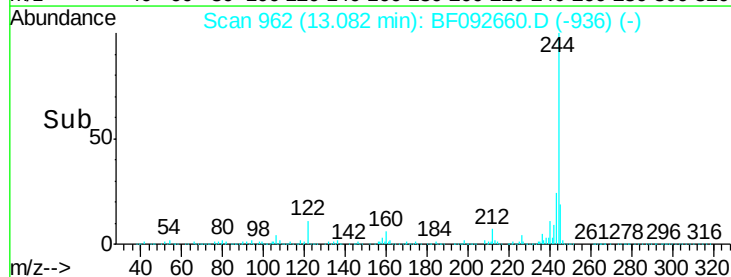
122 11.1 11.4 17.2

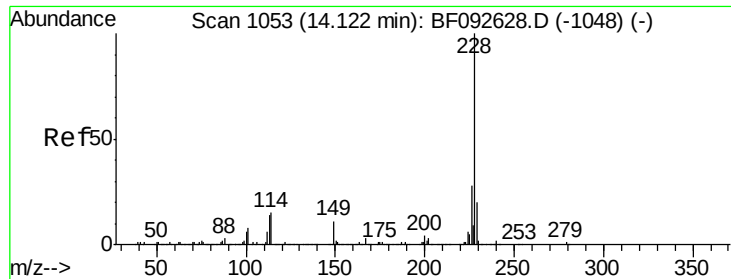


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.99 ng

RT: 14.12 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

B2-8

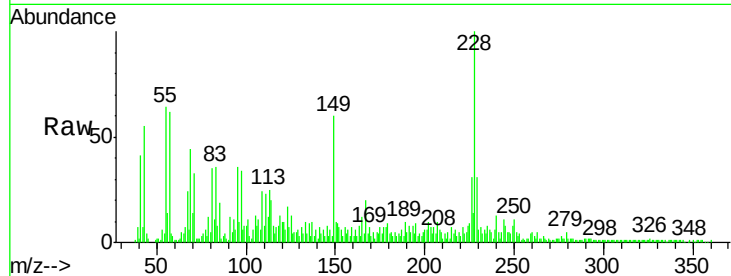
Tgt Ion:228 Resp: 119790

Ion Ratio Lower Upper

228 100

226 31.5 22.4 33.6

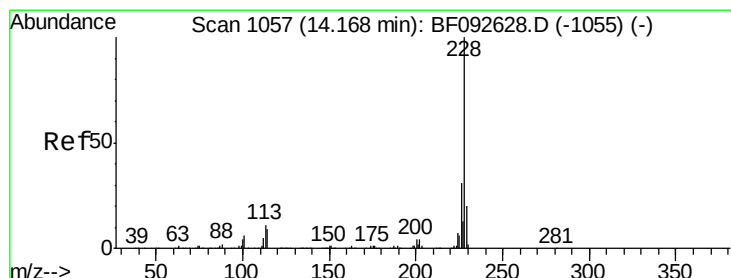
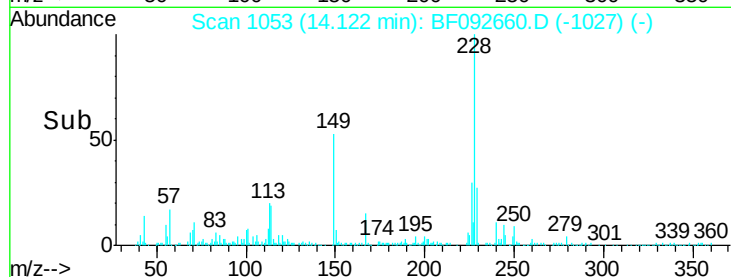
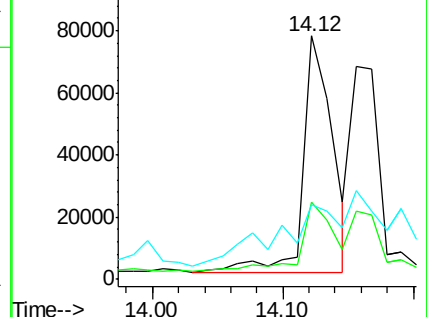
229 30.8 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.06 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

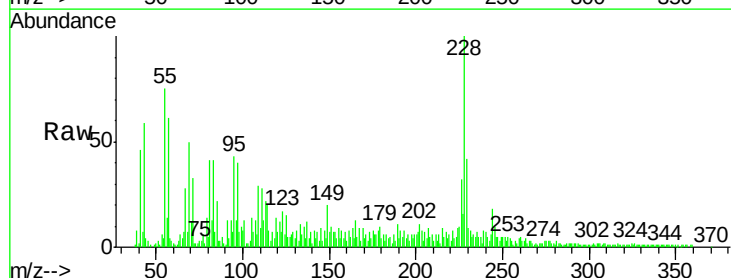
Tgt Ion:228 Resp: 97143

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.0

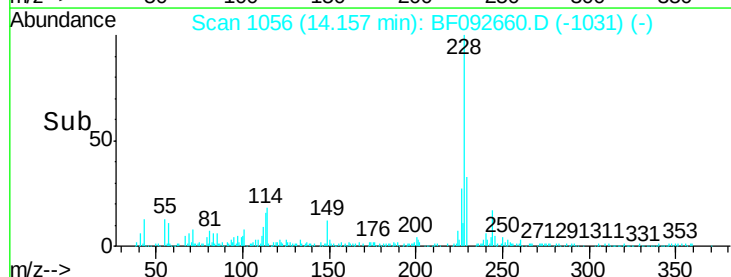
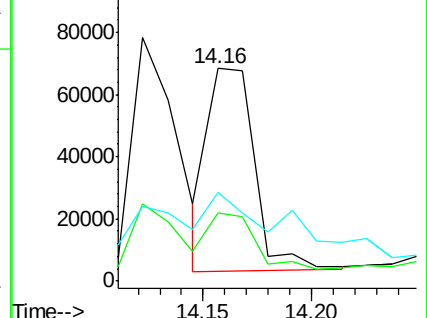
229 41.7 16.2 24.2#

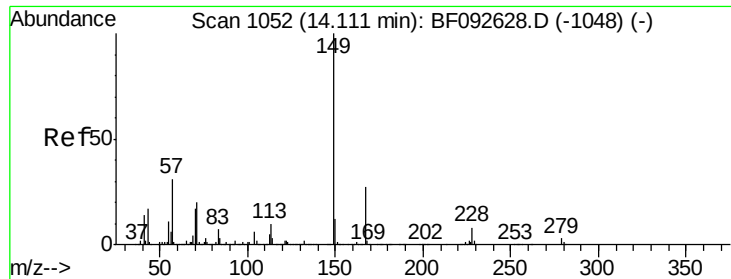


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.44 ng

RT: 14.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

B2-8

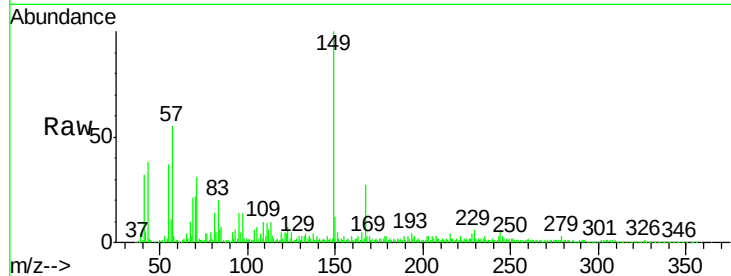
Tgt Ion:149 Resp: 168082

Ion Ratio Lower Upper

149 100

167 26.9 20.2 30.4

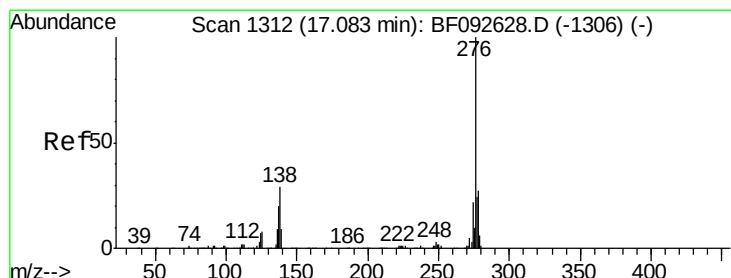
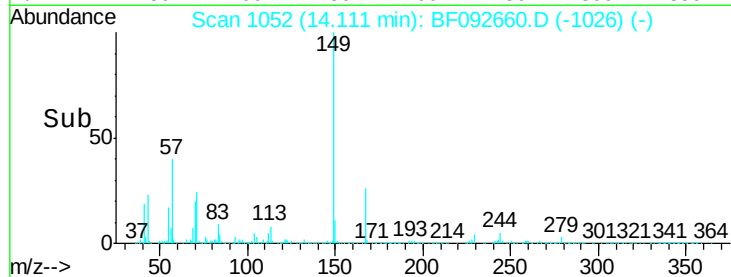
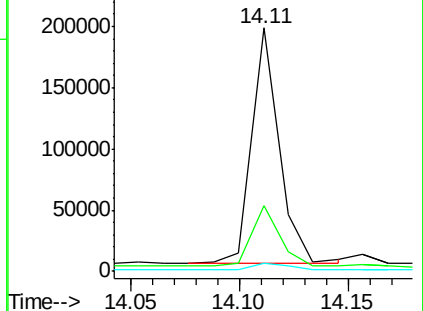
279 3.1 1.8 2.8#



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: 4.12 ng

RT: 17.11 min Scan# 1314

Delta R.T. 0.02 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

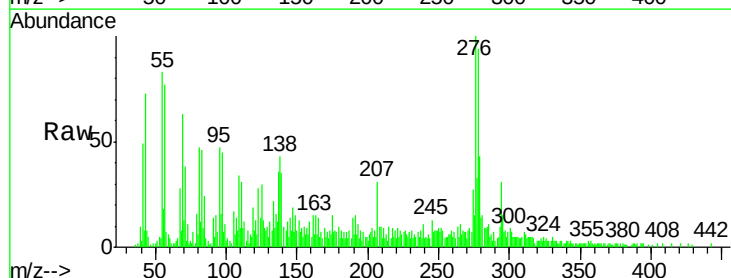
Tgt Ion:276 Resp: 51130

Ion Ratio Lower Upper

276 100

138 48.8 21.8 32.6#

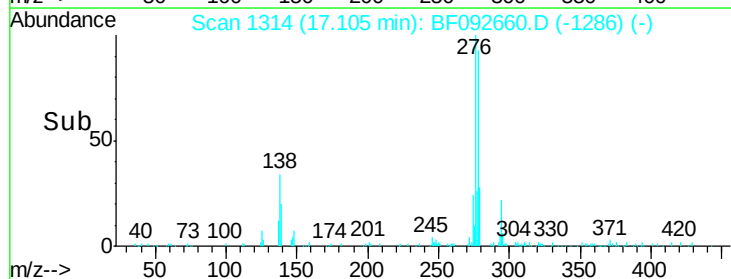
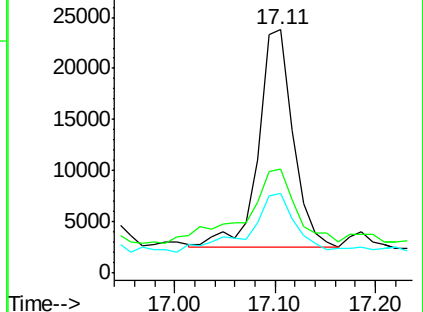
277 36.2 20.2 30.4#

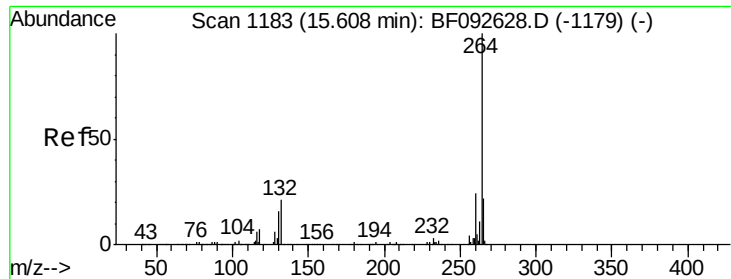


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



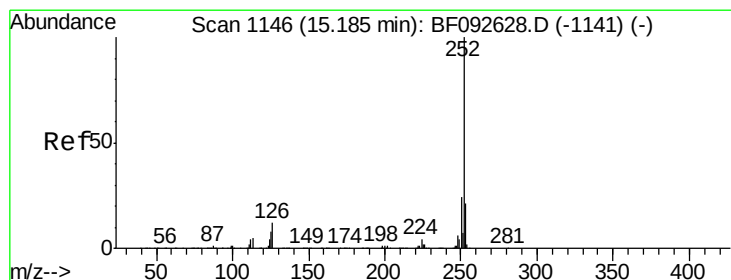
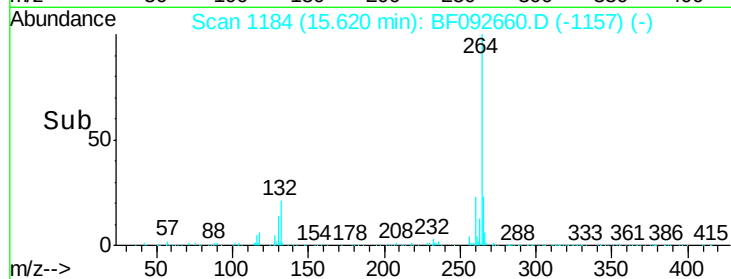
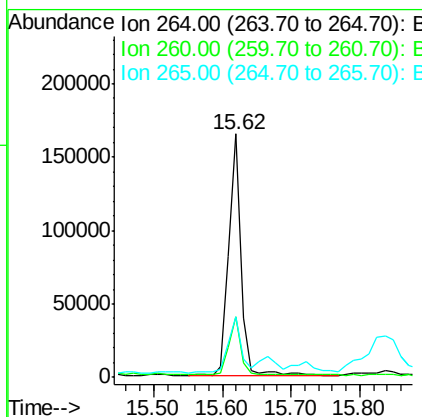
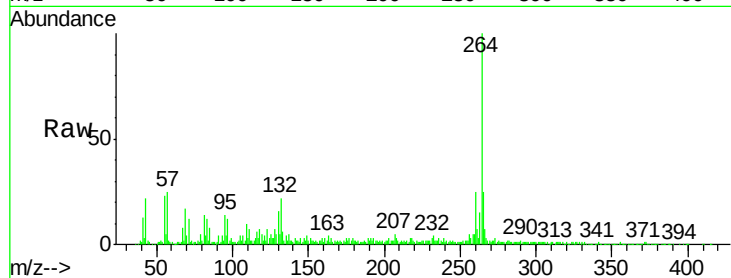


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Instrument :
BNA_F
ClientSampleId :
B2-8

Tgt Ion: 264 Resp: 210226

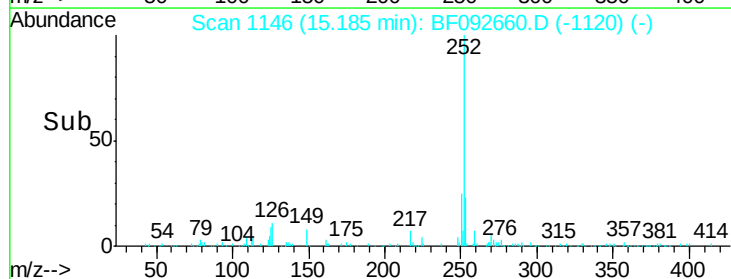
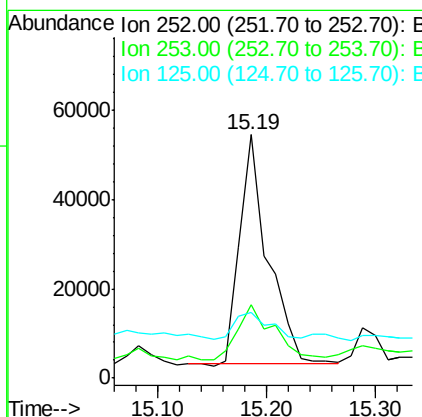
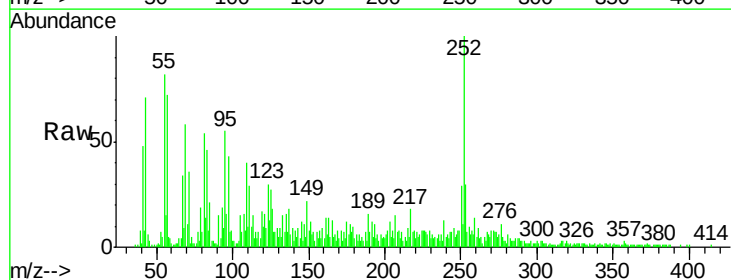
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	24.8	17.4	26.0

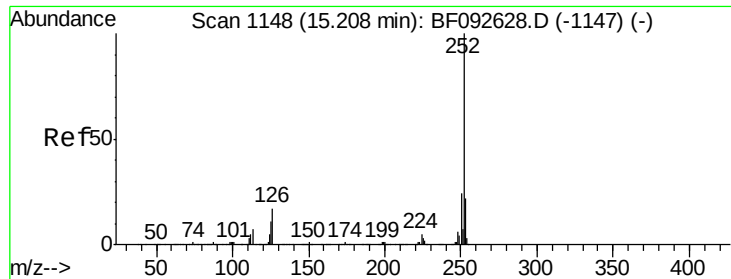


#87
Benzo(b)fluoranthene
Concen: 6.68 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF092660.D
Acq: 31 Jan 2017 3:27

Tgt Ion: 252 Resp: 92405

Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.2	27.4#
125	26.9	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 7.73 ng

RT: 15.19 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

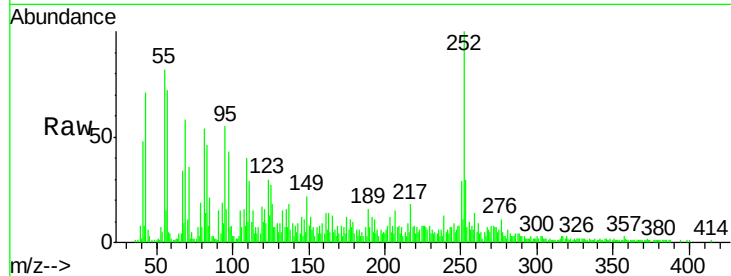
Instrument :

BNA_F

ClientSampleId :

B2-8

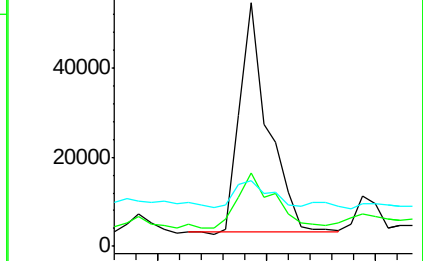
Tgt Ion:	252	Resp:	92405
Ion Ratio	Lower	Upper	
252	100		
253	30.0	18.5	27.7#
125	26.9	8.9	13.3#



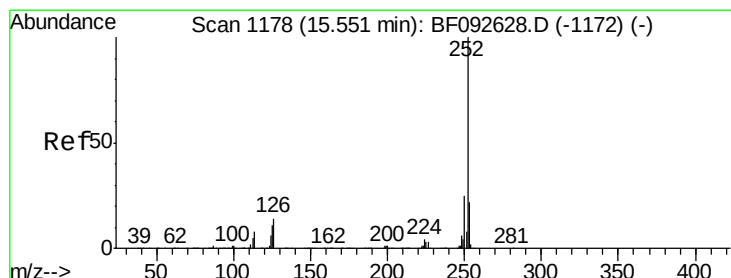
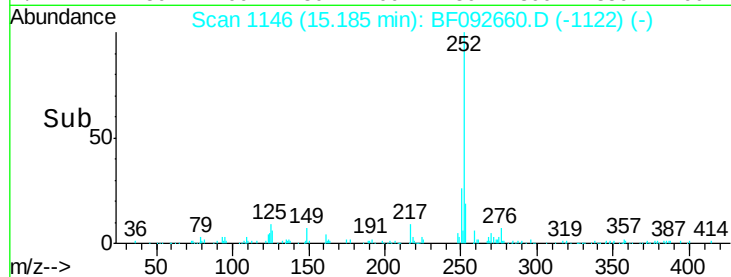
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 8.85 ng

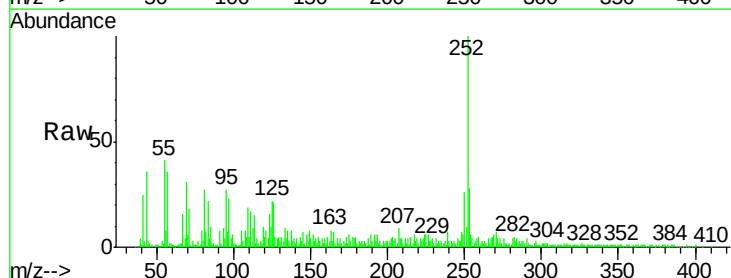
RT: 15.55 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

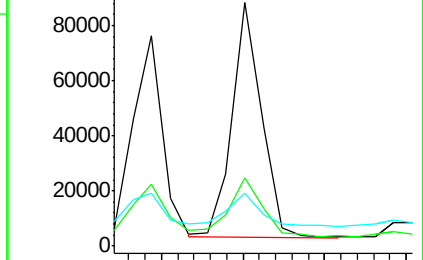
Tgt Ion:	252	Resp:	105911
Ion Ratio	Lower	Upper	
252	100		
253	27.9	18.2	27.2#
125	21.5	10.0	15.0#



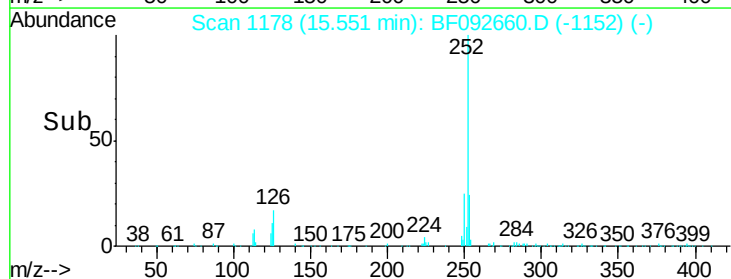
Abundance Ion 252.00 (251.70 to 252.70): E

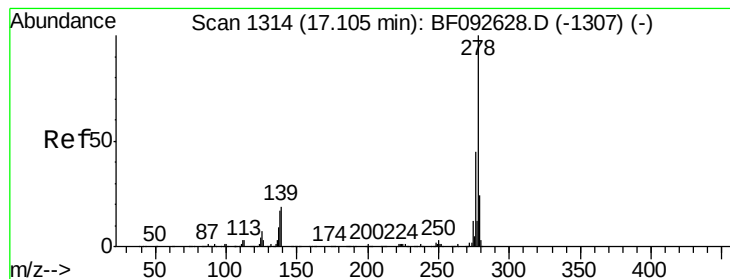
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 6.00 ng

RT: 17.11 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Instrument :

BNA_F

ClientSampled :

B2-8

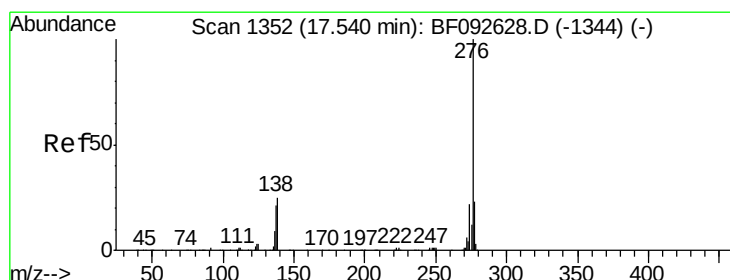
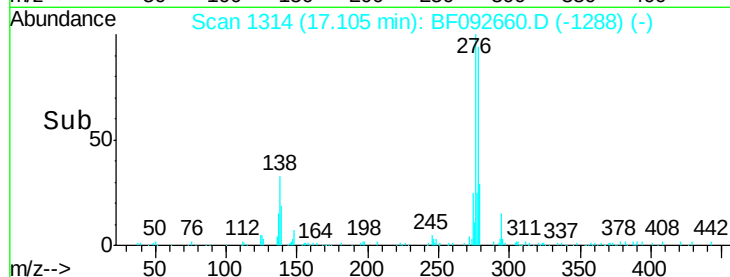
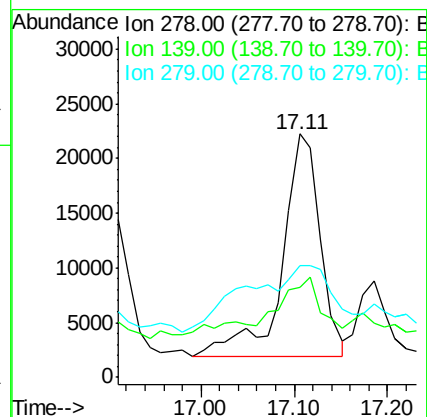
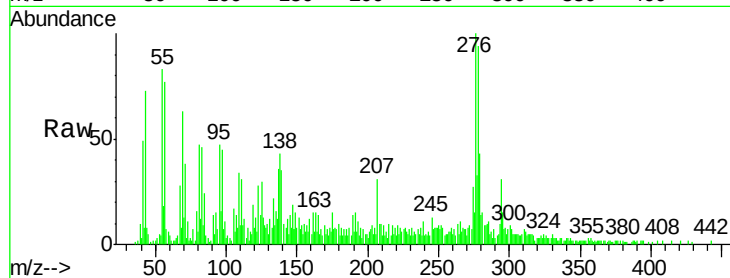
Tgt Ion:278 Resp: 58066

Ion Ratio Lower Upper

278 100

139 37.1 14.8 22.2#

279 45.7 19.8 29.6#



#91

Benzo(g,h,i)perylene

Concen: 7.61 ng

RT: 17.55 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF092660.D

Acq: 31 Jan 2017 3:27

Tgt Ion:276 Resp: 74333

Ion Ratio Lower Upper

276 100

277 30.4 19.2 28.8#

138 33.0 16.0 24.0#

