

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098888.D
 Acq On : 28 Sep 2017 3:09
 Operator : SJ/JU
 Sample : I5360-05RX 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 06:10:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	140846	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	553455	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	220964	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	358653	20.00	ng	0.00
75) Chrysene-d12	14.08	240	303110	20.00	ng	0.00
86) Perylene-d12	15.57	264	221402	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	182147	20.59	ng	-0.02
7) Phenol-d6	6.53	99	220080	20.16	ng	-0.02
23) Nitrobenzene-d5	7.47	82	124825	14.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	30739	17.00	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	229617	17.35	ng	-0.01
78) Terphenyl-d14	13.02	244	177647	13.33	ng	-0.01

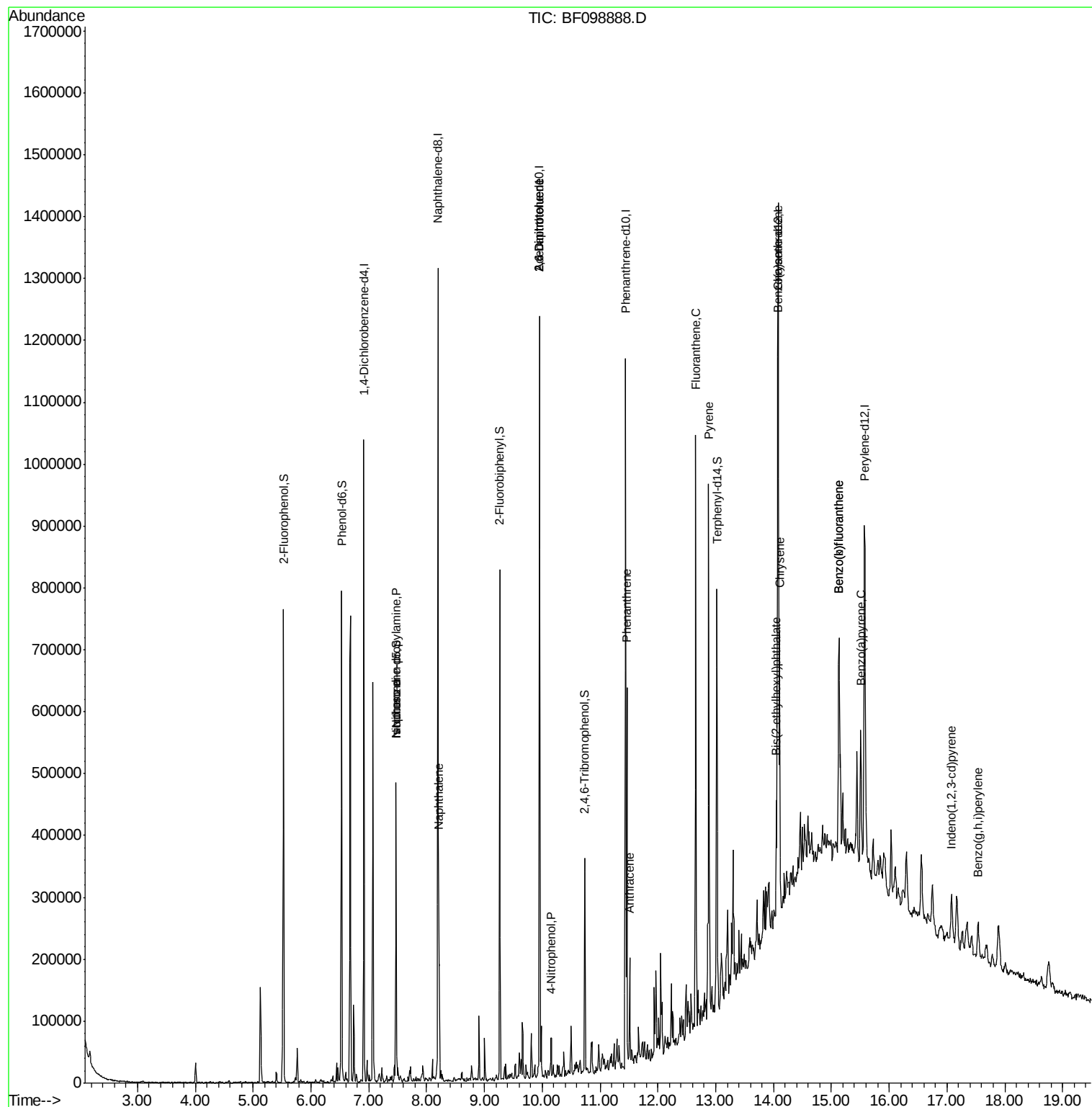
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	17524	2.51	ng	# 80
25) Isophorone	7.47	82	124376	6.97	ng	# 64
31) Naphthalene	8.22	128	91387	3.52	ng	98
50) 2,6-Dinitrotoluene	9.95	165	29093	8.01	ng	# 25
55) 4-Nitrophenol	10.16	139	7902	2.21	ng	# 13
56) 2,4-Dinitrotoluene	9.95	165	29093	6.17	ng	# 23
70) Phenanthrene	11.46	178	192254	10.01	ng	97
71) Anthracene	11.52	178	63690	3.24	ng	98
74) Fluoranthene	12.65	202	356168	18.32	ng	99
77) Pyrene	12.89	202	352361	15.24	ng	99
80) Benzo(a)anthracene	14.07	228	173269	9.44	ng	97
82) Chrysene	14.10	228	165194	9.45	ng	98
83) Bis(2-ethylhexyl)phthalate	14.05	149	49360	3.30	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	50742	3.63	ng	98
87) Benzo(b)fluoranthene	15.13	252	233400	17.15	ng	# 93
88) Benzo(k)fluoranthene	15.13	252	233400	17.36	ng	96
89) Benzo(a)pyrene	15.51	252	99431	7.96	ng	# 96
91) Benzo(g,h,i)perylene	17.54	276	45661	4.62	ng	93

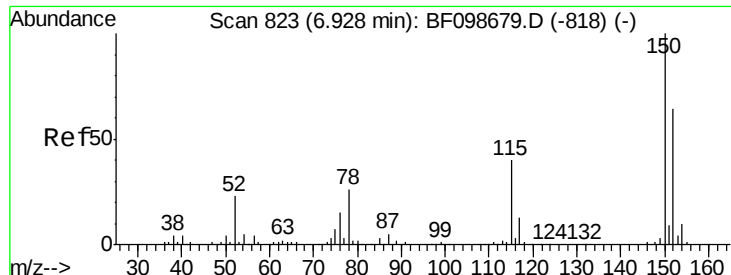
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098888.D
Acq On : 28 Sep 2017 3:09
Operator : SJ/JU
Sample : I5360-05RX 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 28 06:10:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



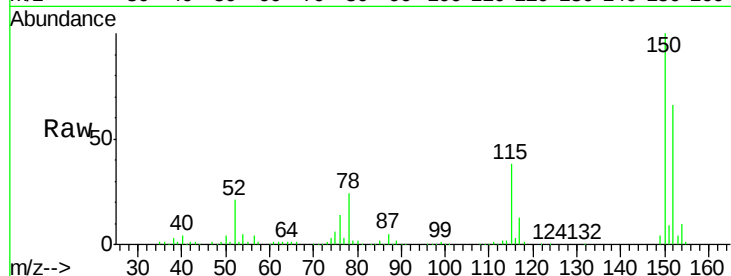


#1

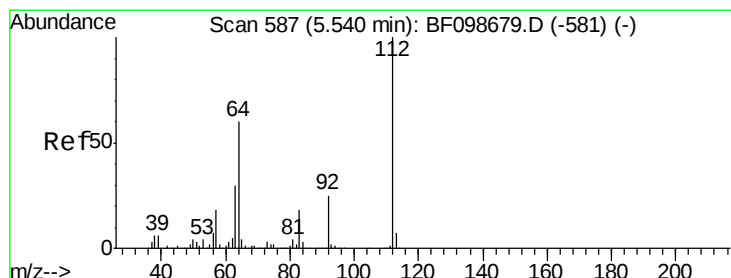
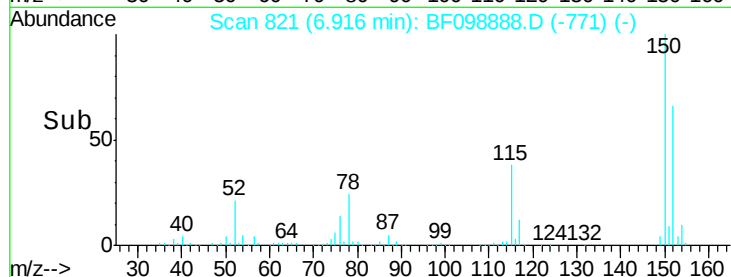
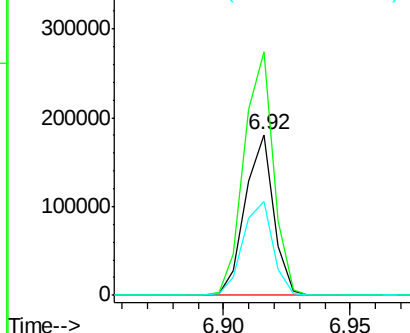
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140846
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 58.2 50.1 75.1



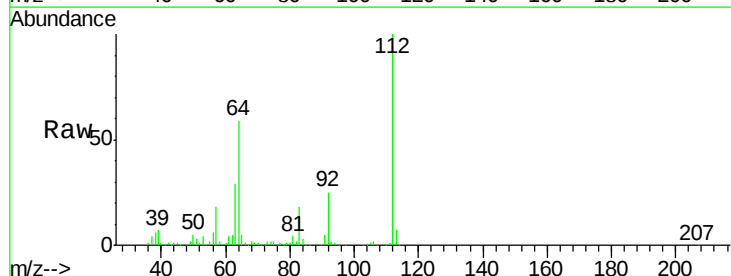
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



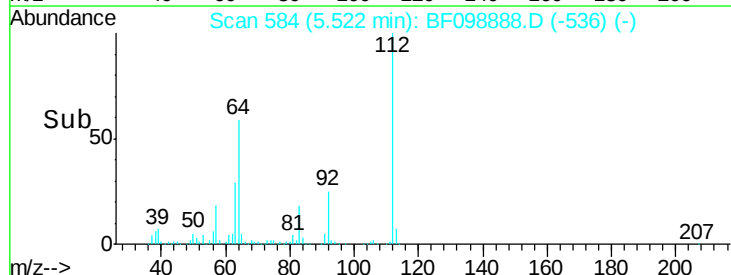
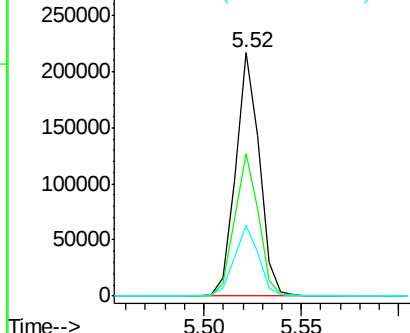
#5

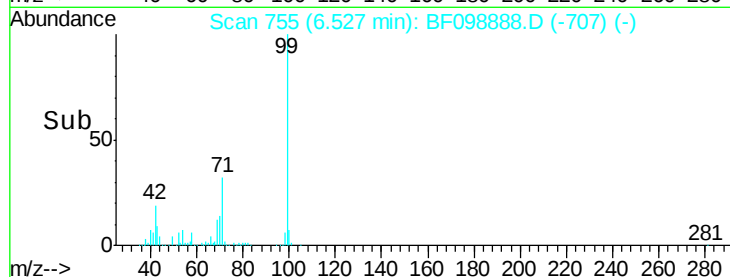
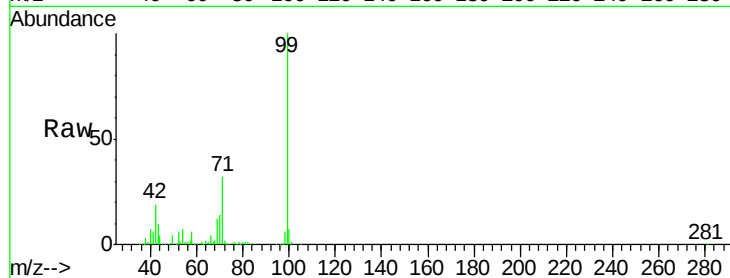
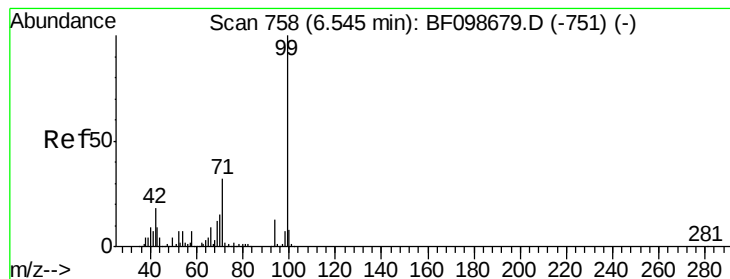
2-Fluorophenol
Concen: 20.59 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion:112 Resp: 182147
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 29.0 23.7 35.5



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: 20.16 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

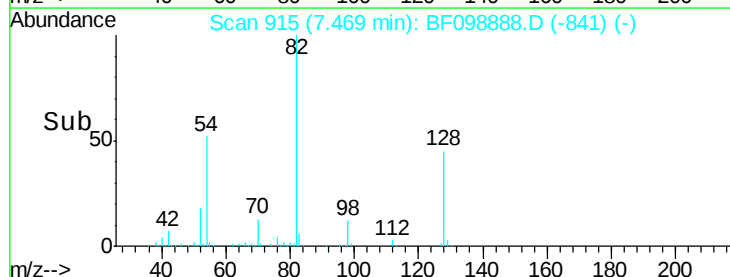
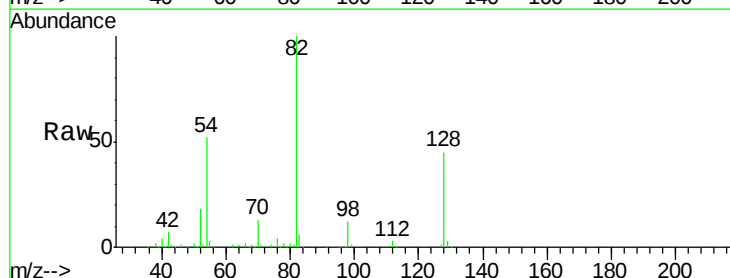
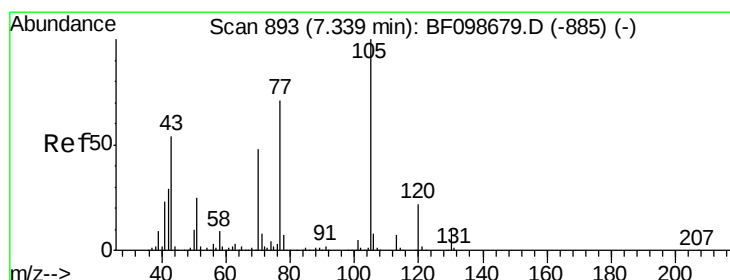
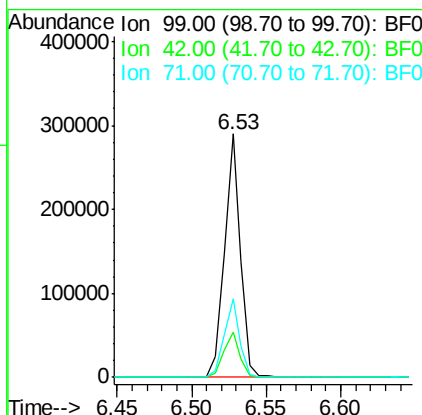
Tot Ion: 99 Resp: 220080

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.51 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.13 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Tgt Ion: 70 Resp: 17524

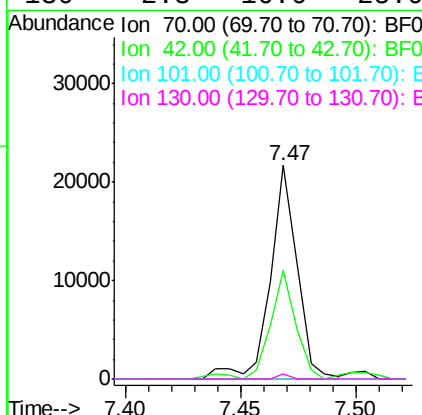
Ion Ratio Lower Upper

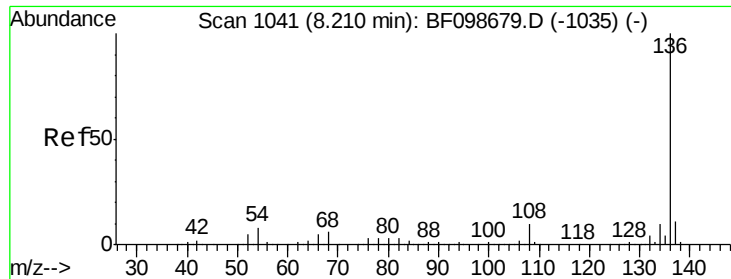
70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

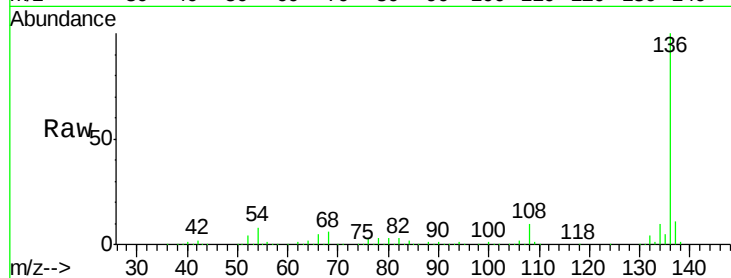




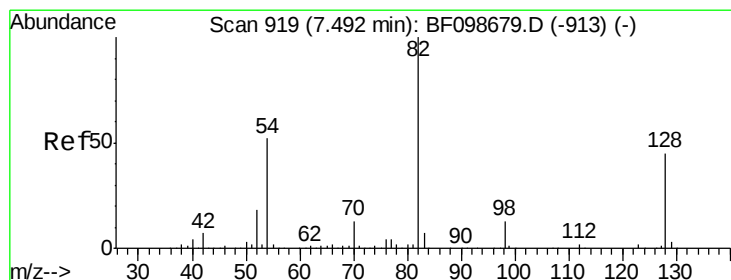
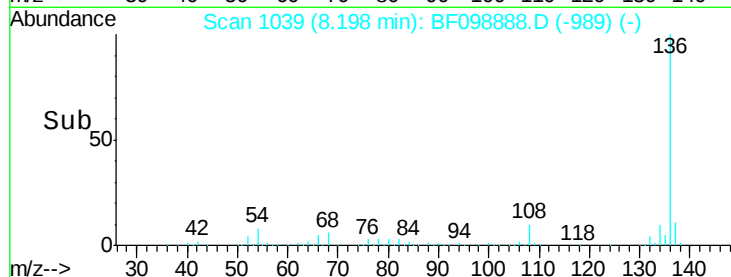
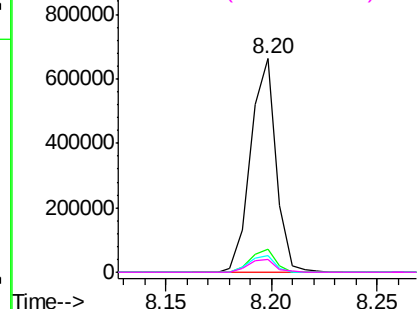
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	553455
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.6	6.6 9.8
68	6.0	5.0 7.4

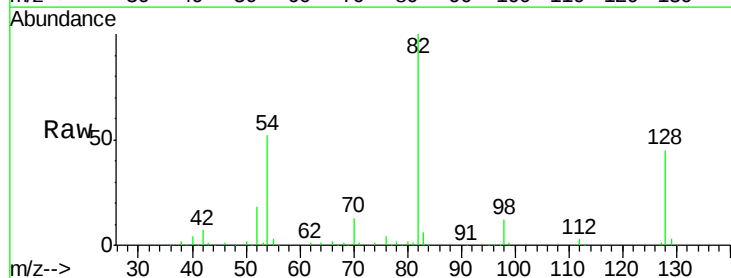


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

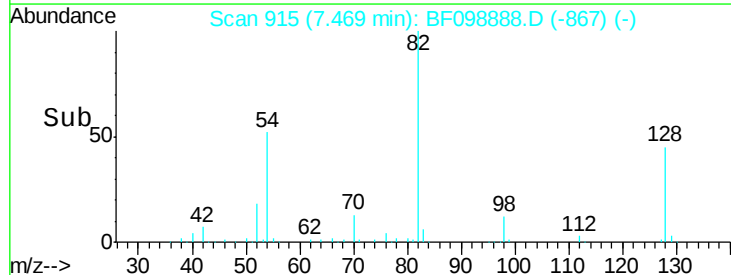
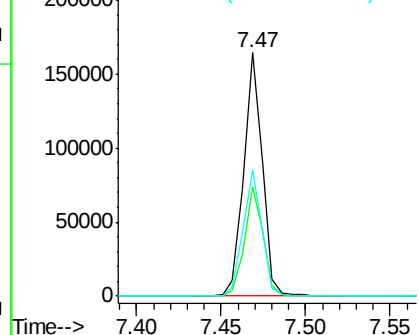


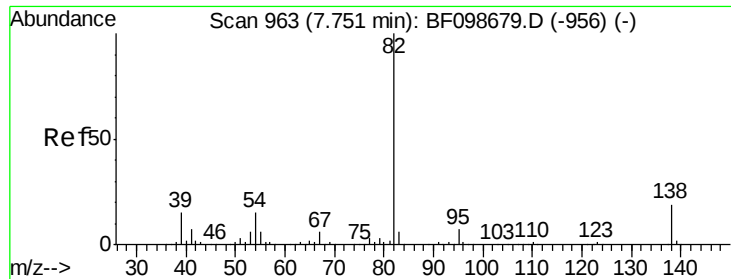
#23
Nitrobenzene-d5
Concen: 14.46 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion: 82	Resp:	124825
Ion Ratio	Lower	Upper
82	100	
128	44.7	36.1 54.1
54	51.9	41.4 62.2



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: 6.97 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

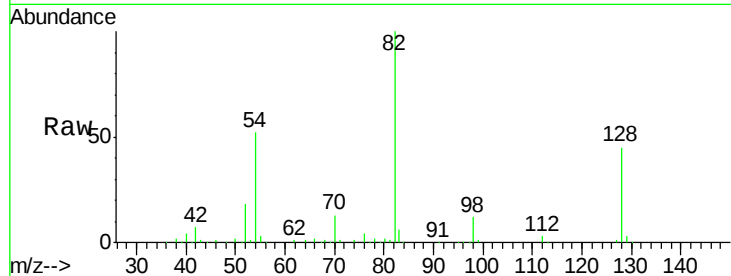
Tot Ion: 82 Resp: 124376

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

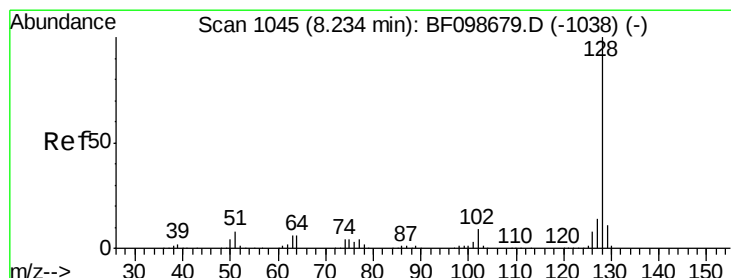
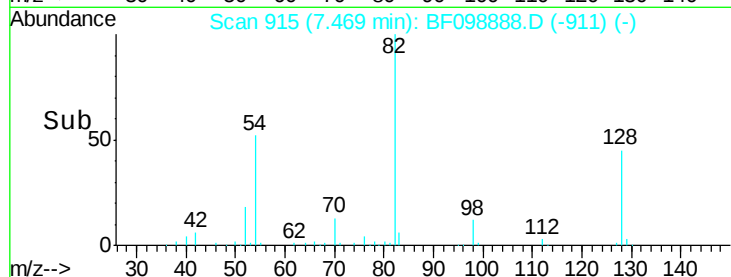
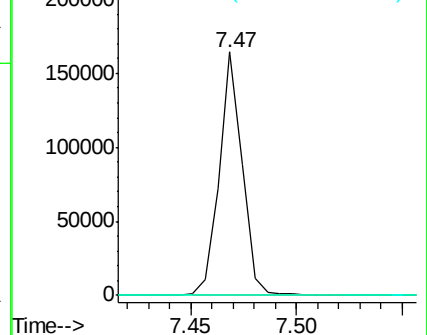
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.52 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

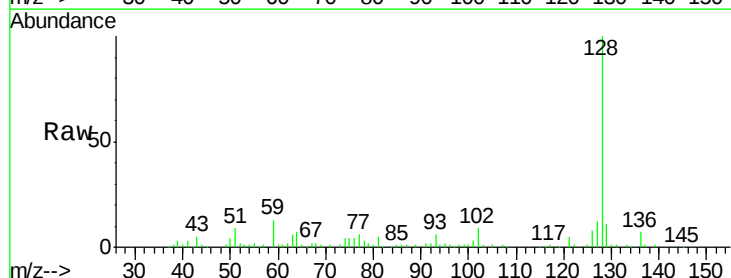
Tgt Ion: 128 Resp: 91387

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

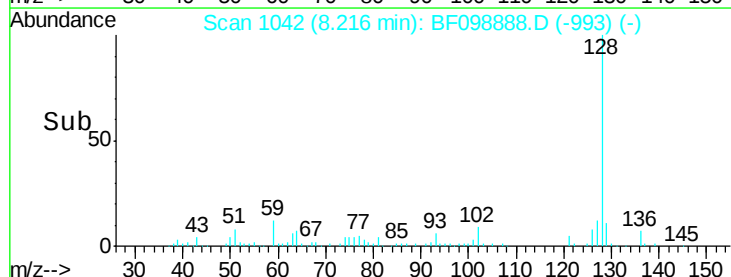
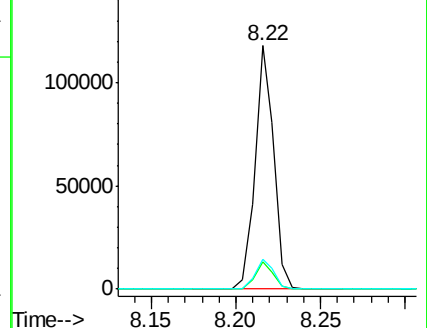
127 12.5 10.9 16.3

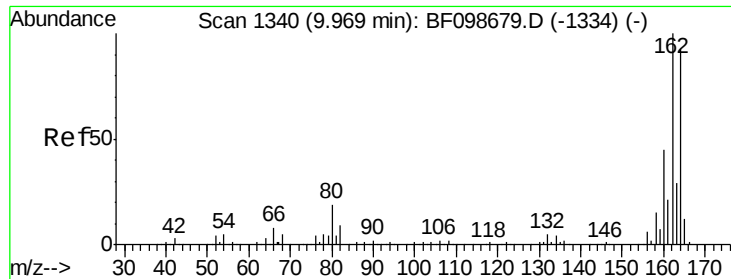


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

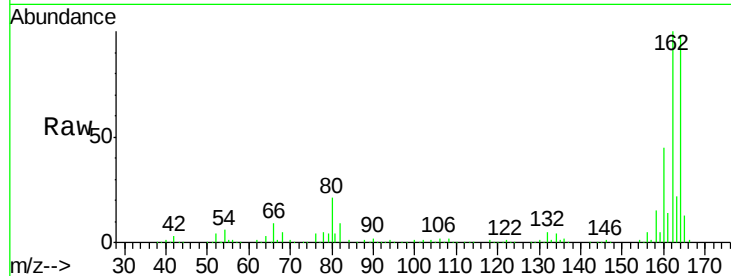




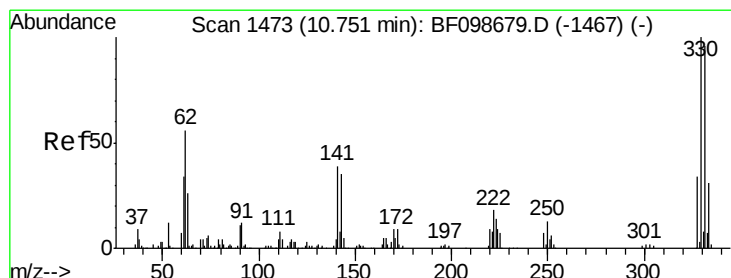
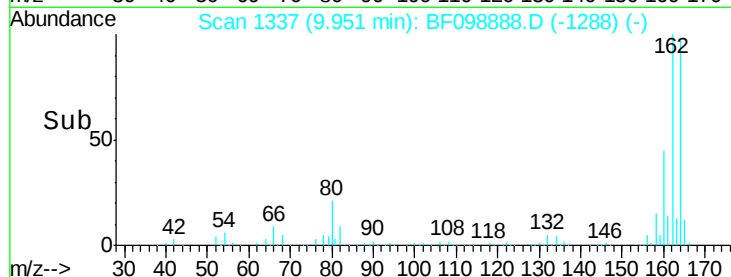
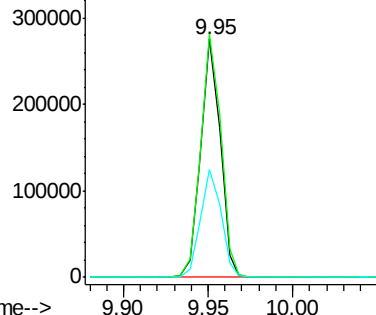
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 220964
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 45.6 38.3 57.5

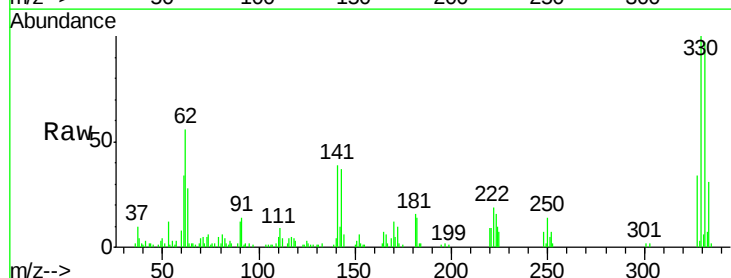


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

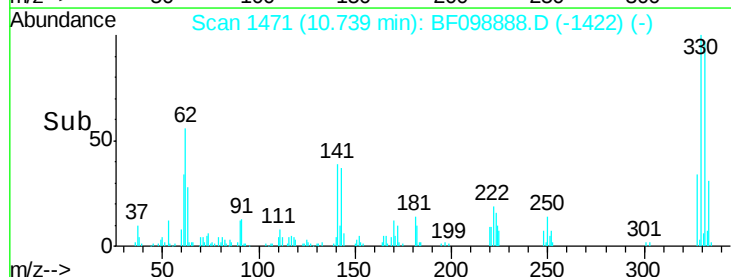
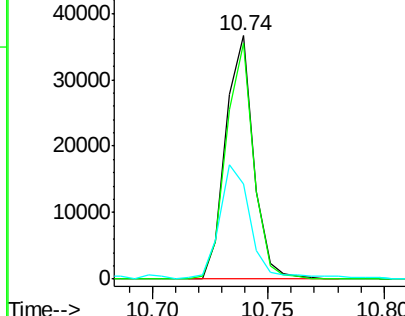


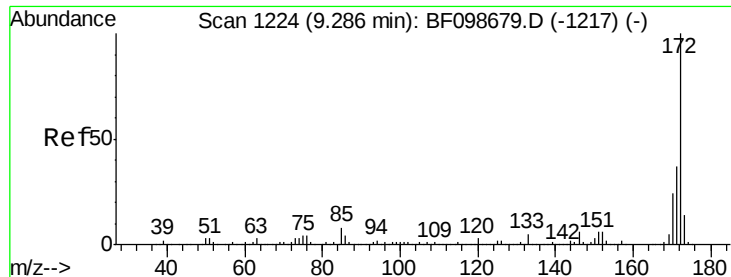
#41
 2,4,6-Tribromophenol
 Concen: 17.00 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Tgt Ion:330 Resp: 30739
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 54.1 29.9 44.9#



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

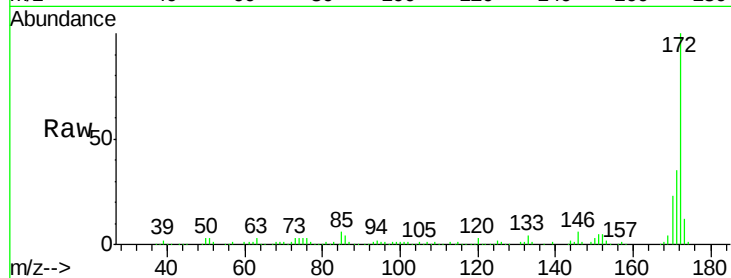




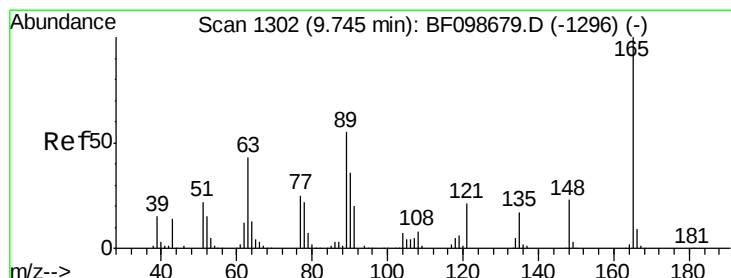
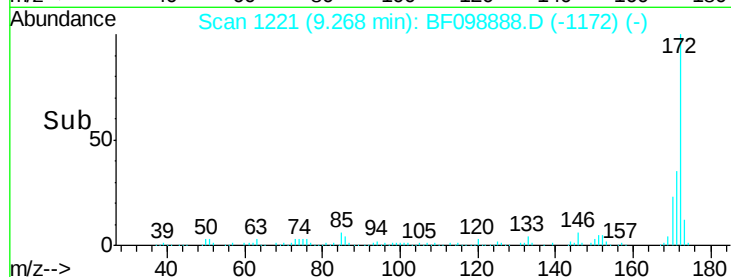
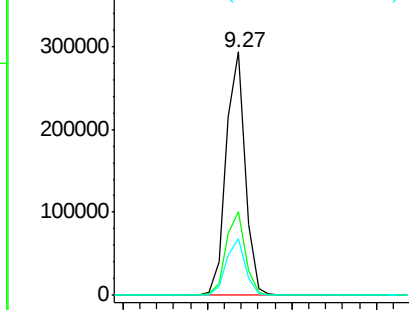
#44
 2-Fluorobiphenyl
 Concen: 17.35 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	23.2	19.6	29.4

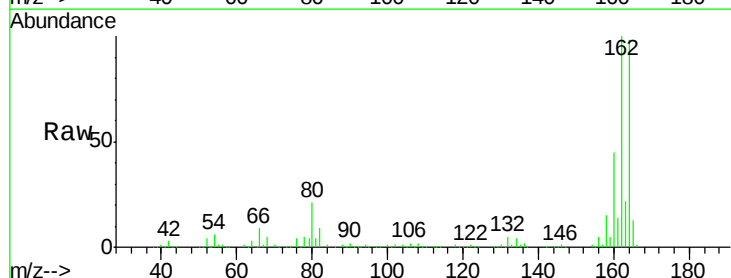


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

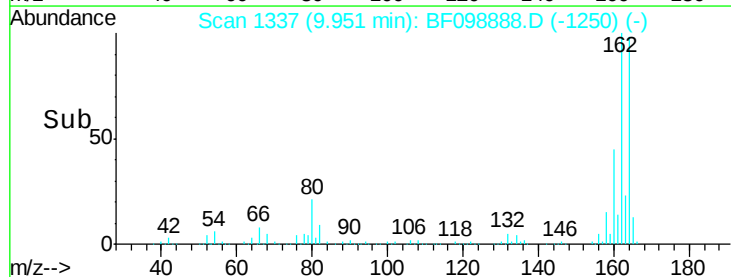
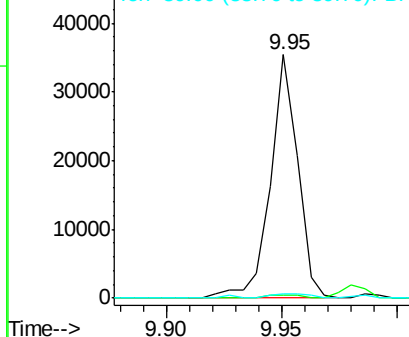


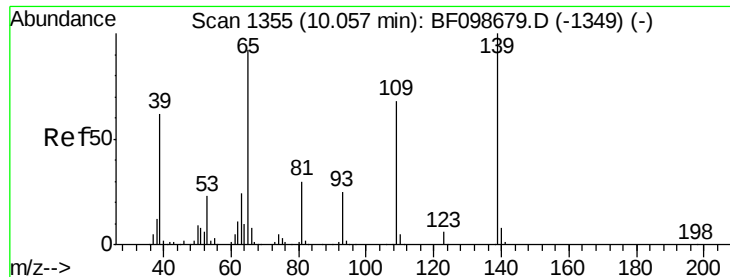
#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.6	44.0	66.0#



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





#55

4-Nitrophenol

Concen: 2.21 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.10 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

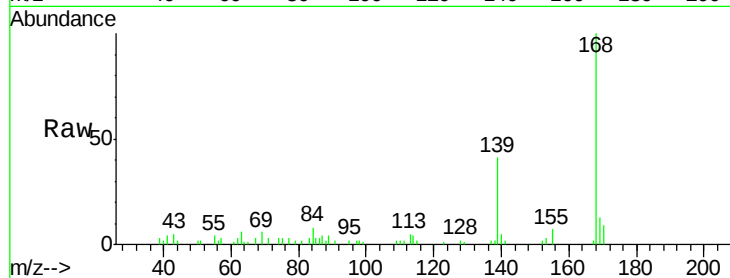
Tot Ion:139 Resp: 7902

Ion Ratio Lower Upper

139 100

109 4.4 48.4 88.4#

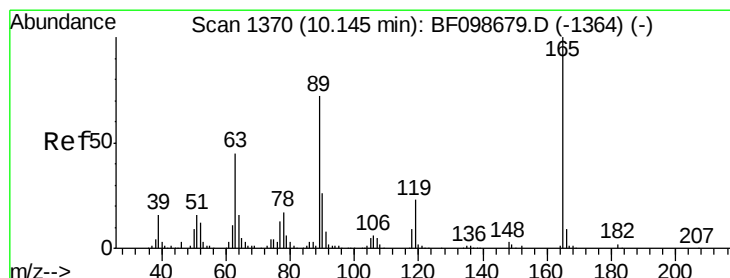
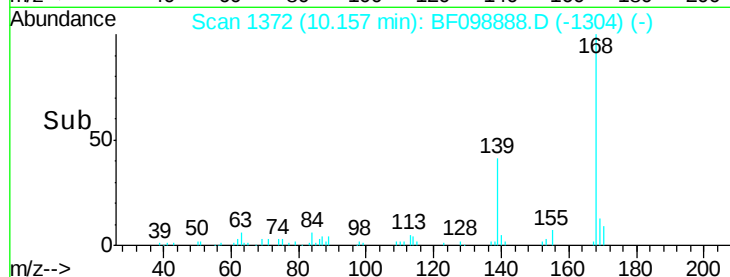
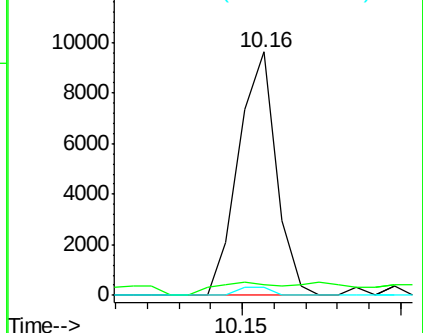
65 3.4 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.17 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Tgt Ion:165 Resp: 29093

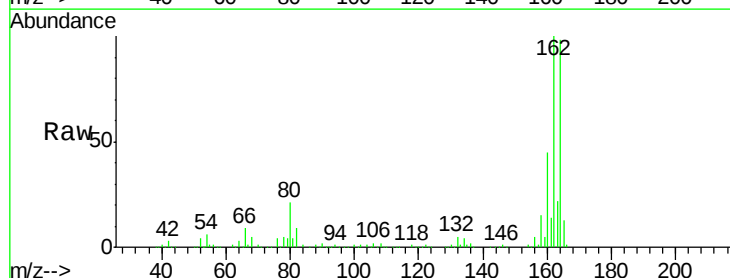
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

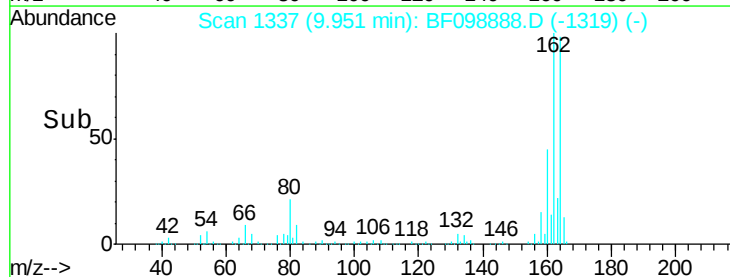
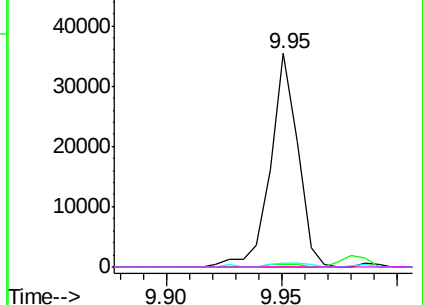


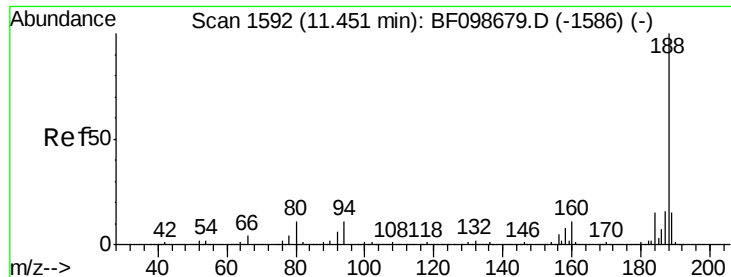
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

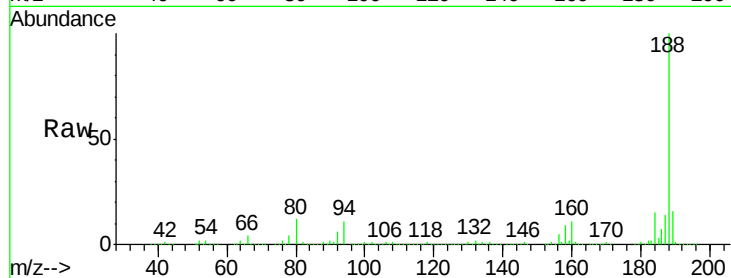




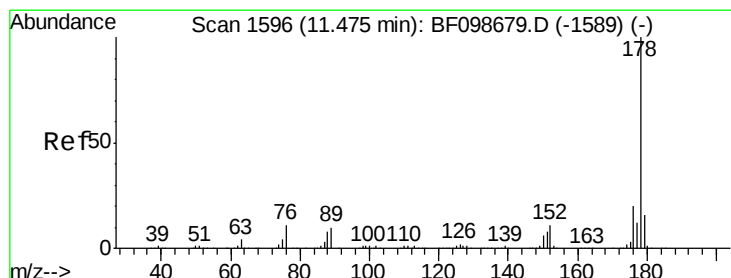
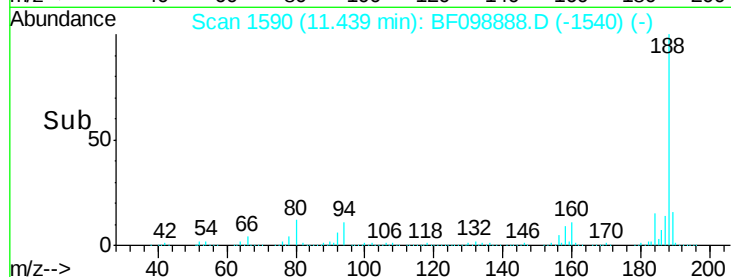
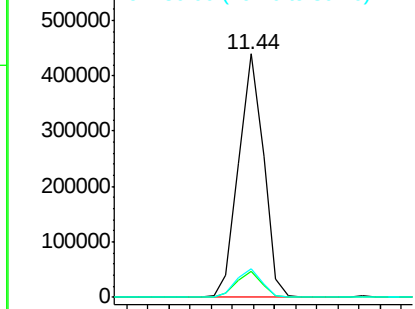
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 358653
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.6 9.2 13.8

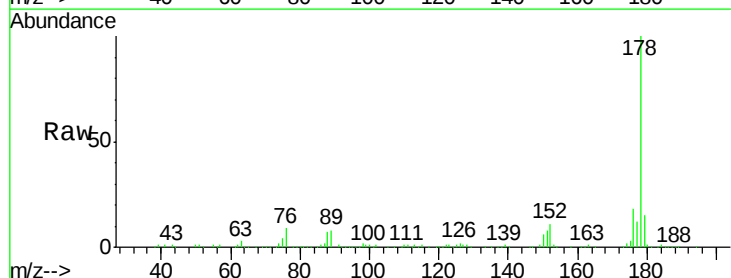


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

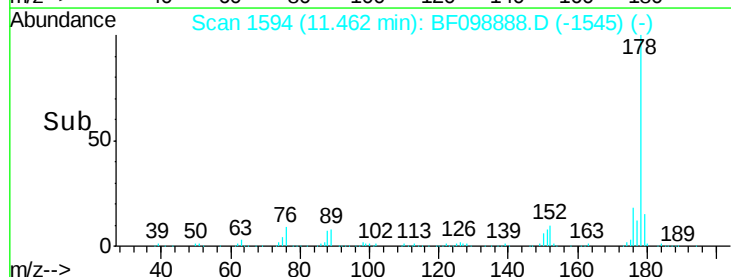
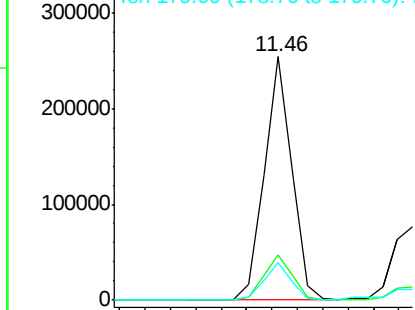


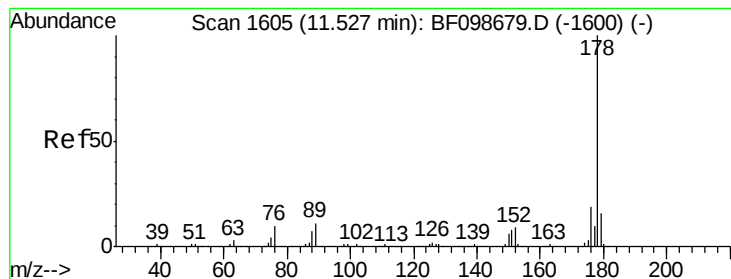
#70
Phenanthrene
Concen: 10.01 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion:178 Resp: 192254
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.4 13.0 19.6



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: 3.24 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

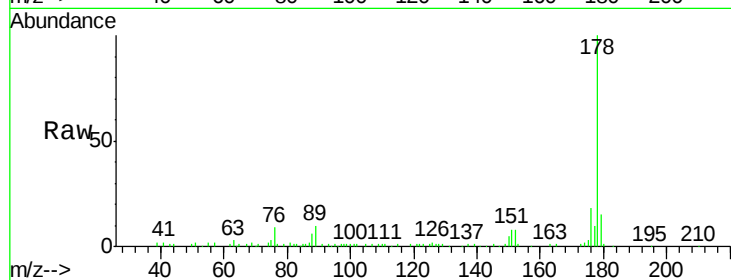
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63690

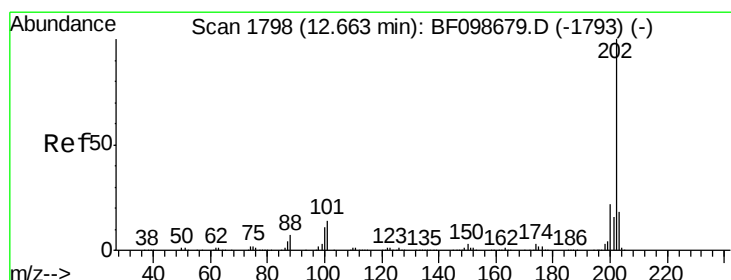
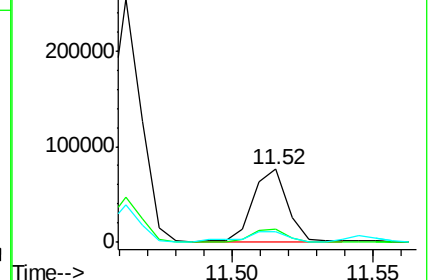
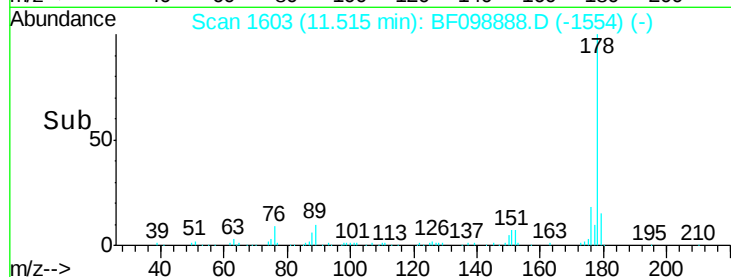
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.7	12.6	19.0



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: 18.32 ng

RT: 12.65 min Scan# 1796

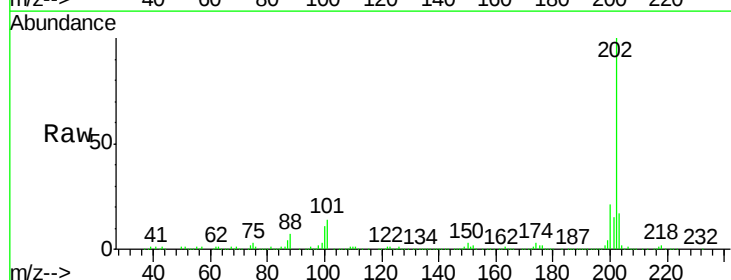
Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Tgt Ion:202 Resp: 356168

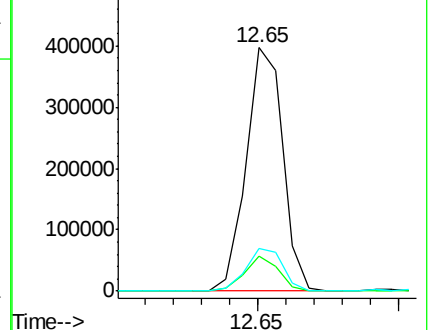
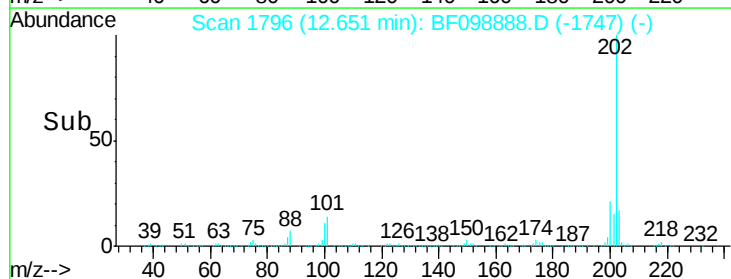
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.4	0.0	38.1

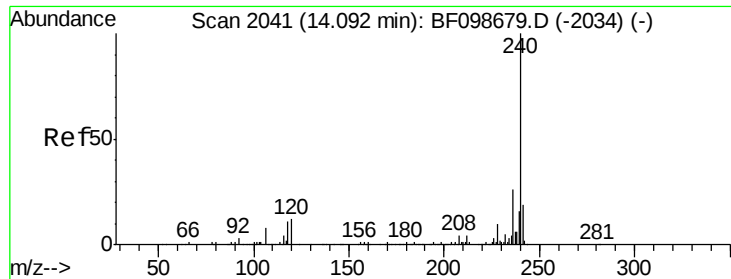


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098888.D

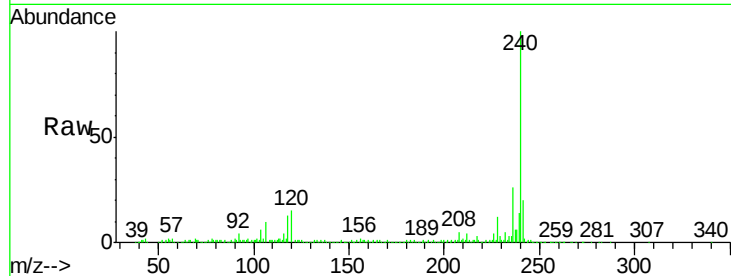
Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

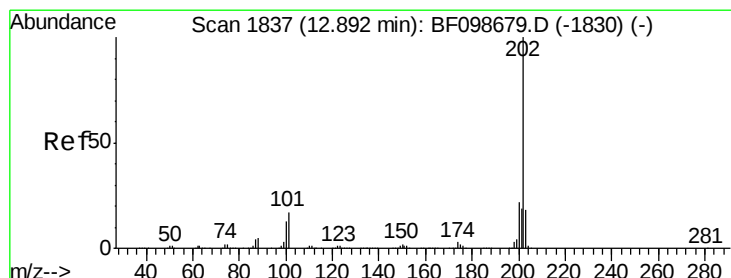
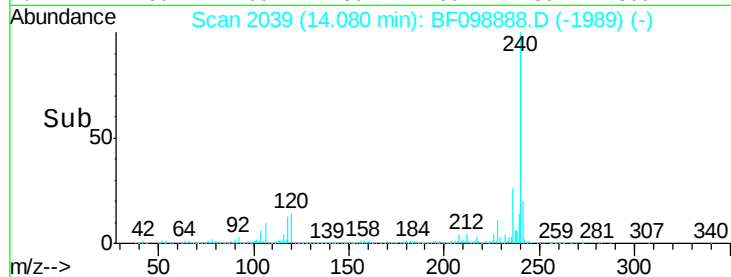
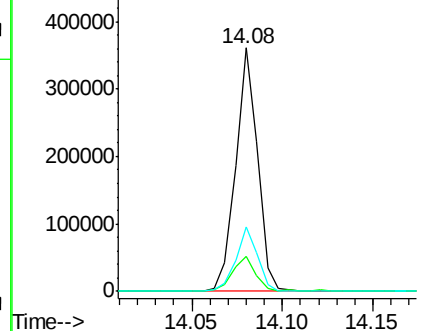
Tot Ion:240	Resp:	303110
Ion Ratio	Lower	Upper
240	100	
120	14.6	9.5 14.3#
236	26.3	20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.24 ng

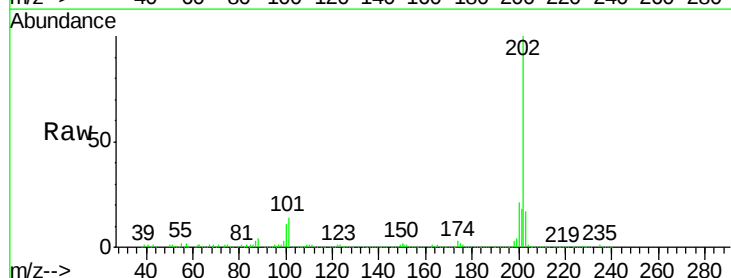
RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

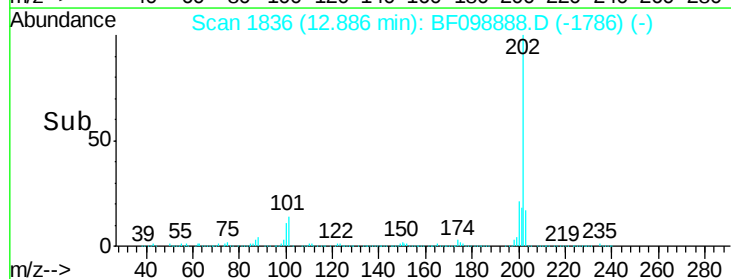
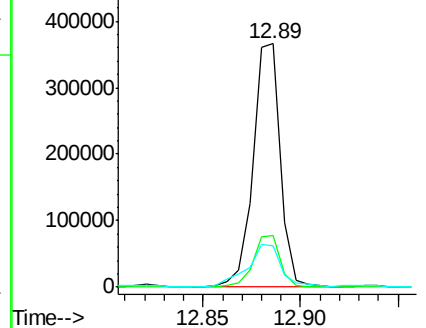
Tgt Ion:202	Resp:	352361
Ion Ratio	Lower	Upper
202	100	
200	21.3	17.4 26.2
203	17.2	14.3 21.5

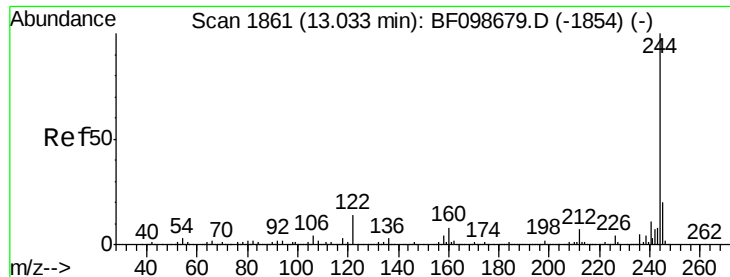


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.33 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

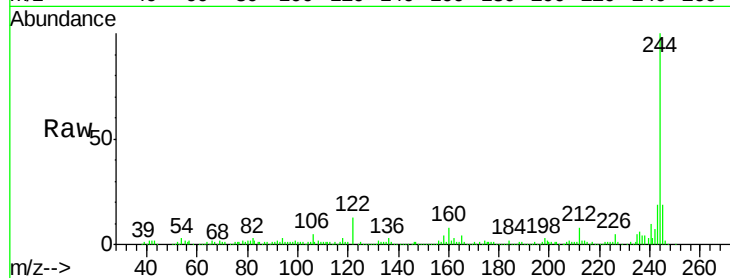
Tot Ion:244 Resp: 177647

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

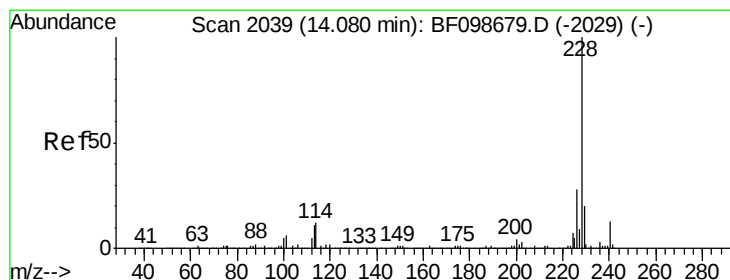
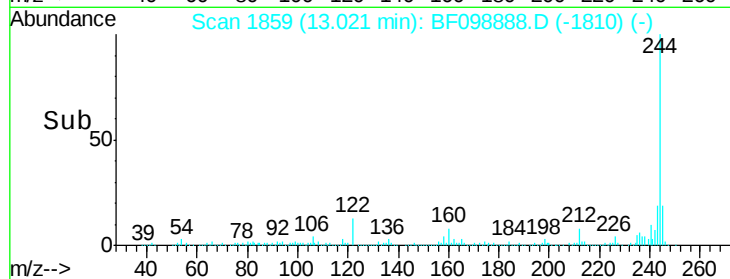
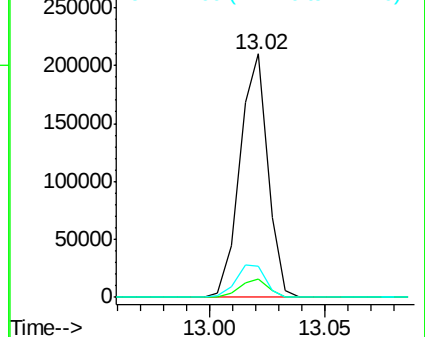
122 12.9 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.44 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

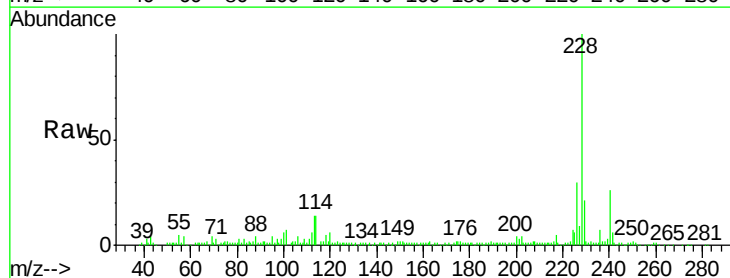
Tgt Ion:228 Resp: 173269

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

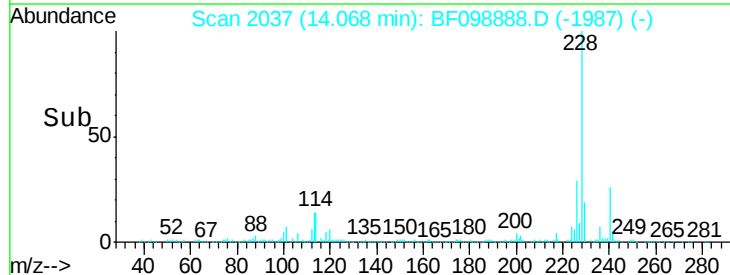
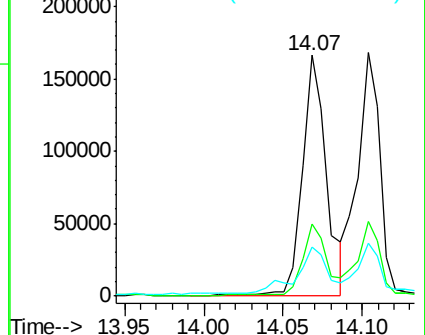
229 20.6 15.8 23.6

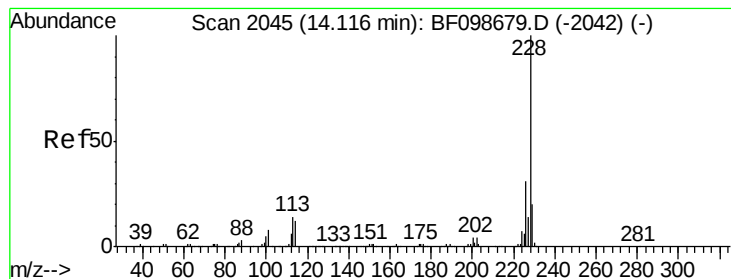


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.45 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampleId :

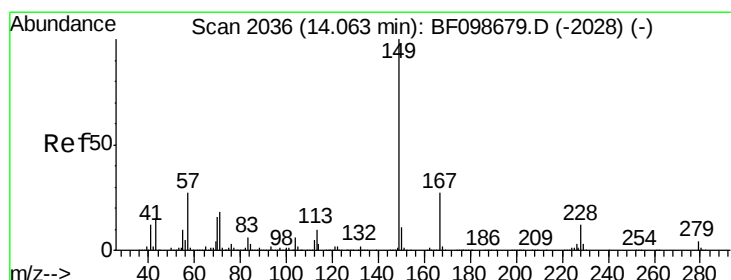
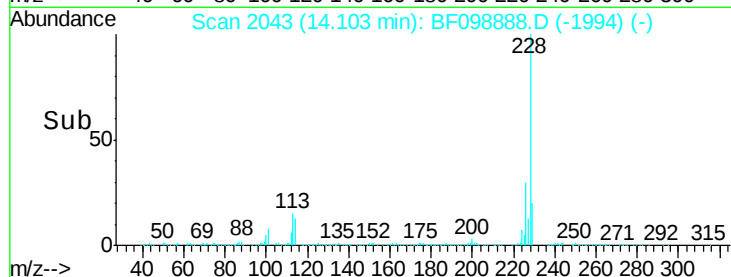
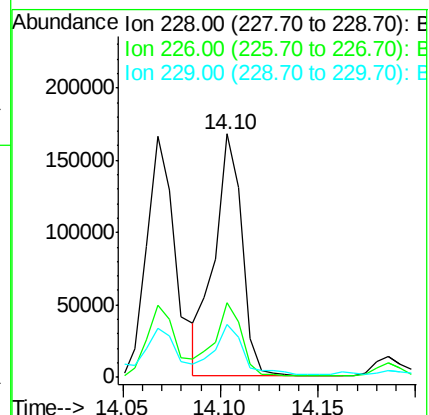
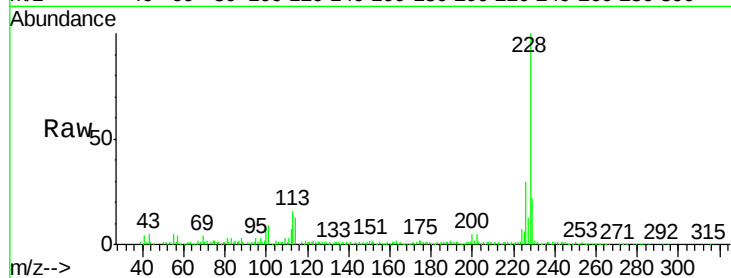
Tot Ion:228 Resp: 165194

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 21.7 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.30 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

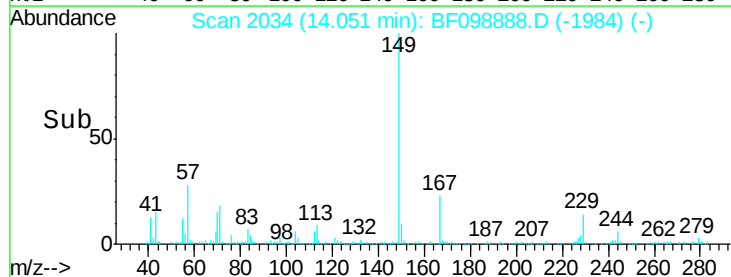
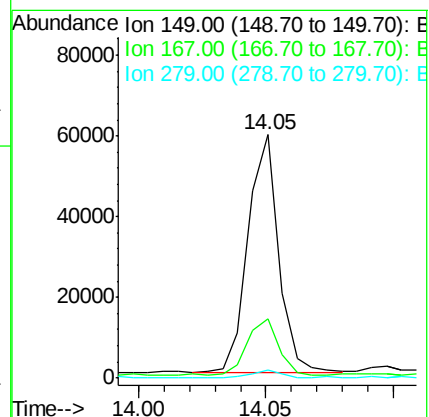
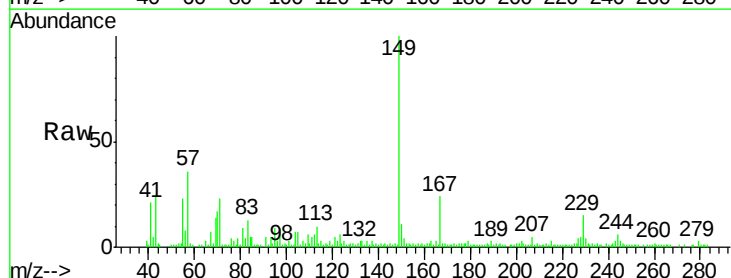
Tgt Ion:149 Resp: 49360

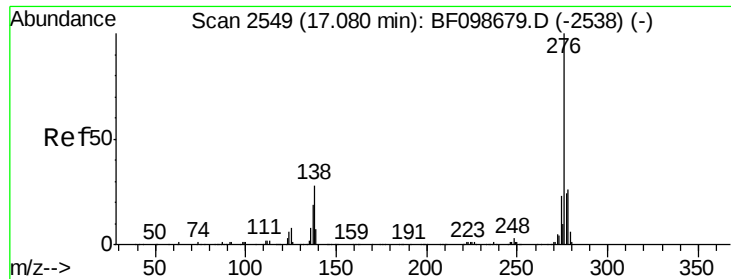
Ion Ratio Lower Upper

149 100

167 24.2 21.3 31.9

279 3.3 3.0 4.4

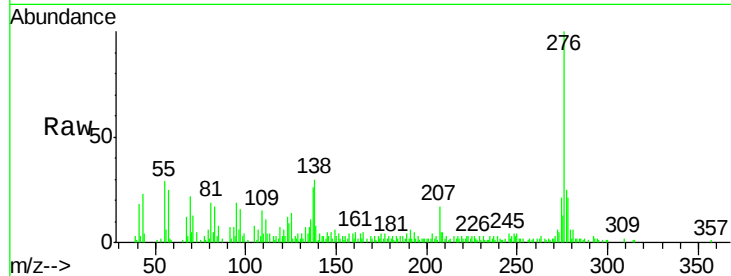




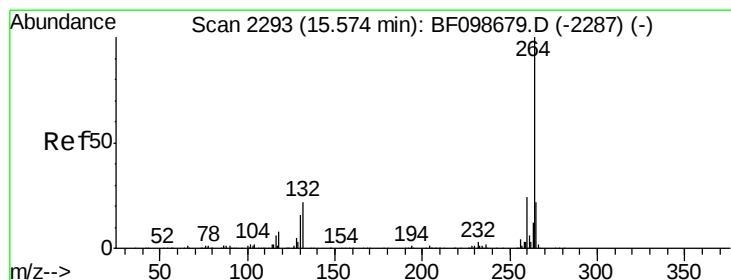
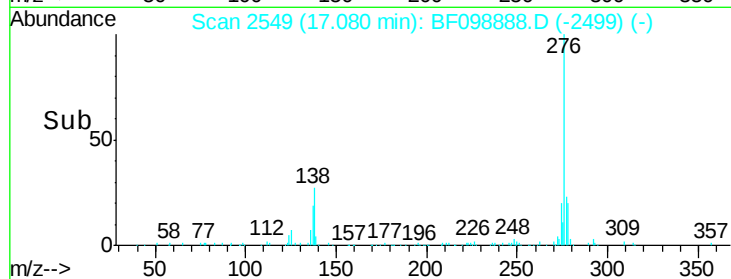
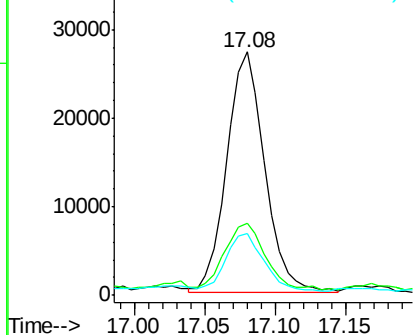
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.63 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.7	20.1	30.1

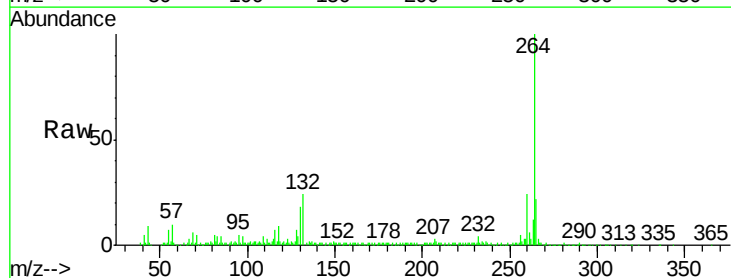


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

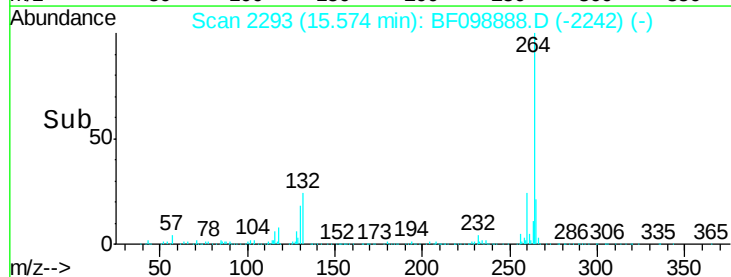
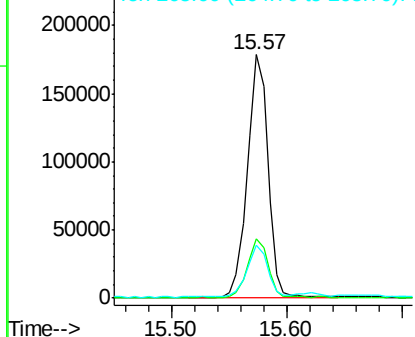


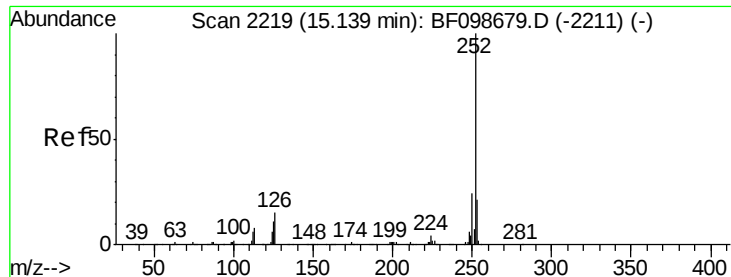
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

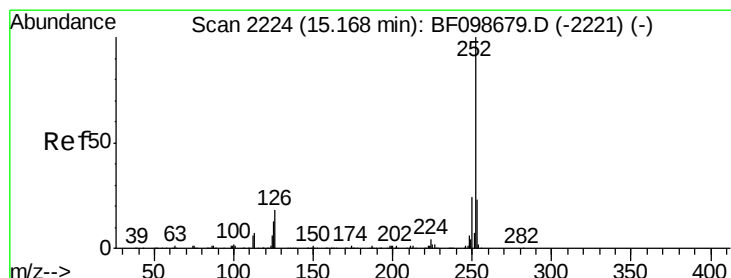
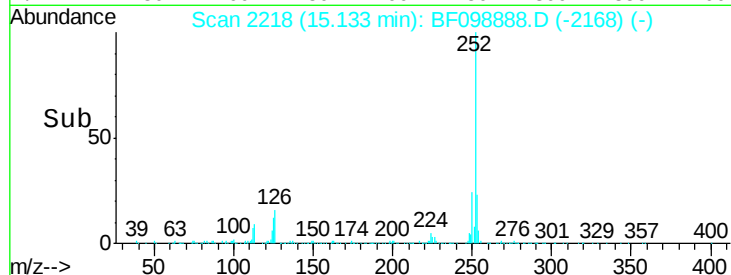
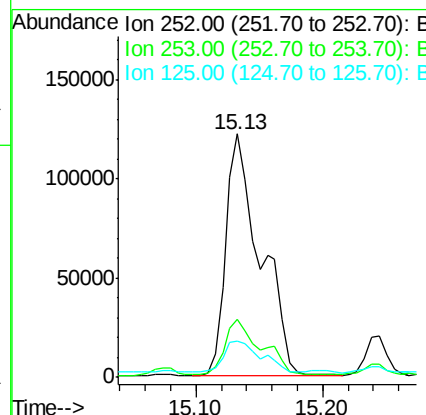
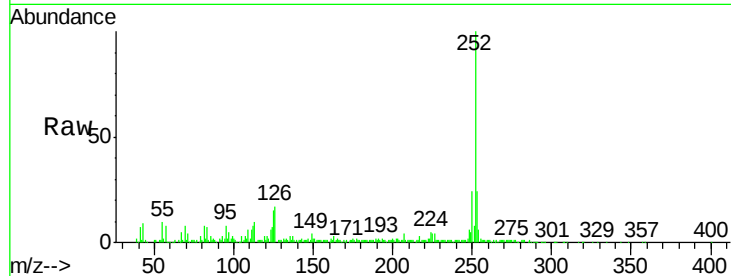




#87
Benzo(b)fluoranthene
Concen: 17.15 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

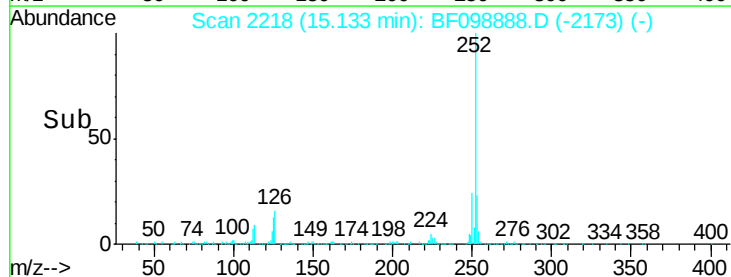
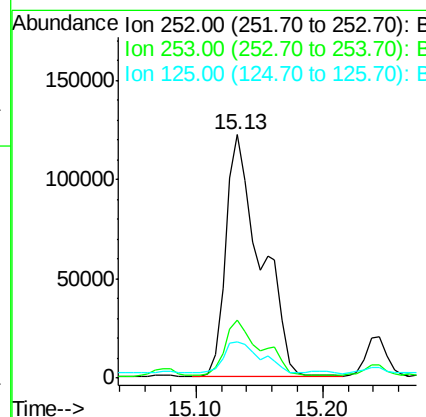
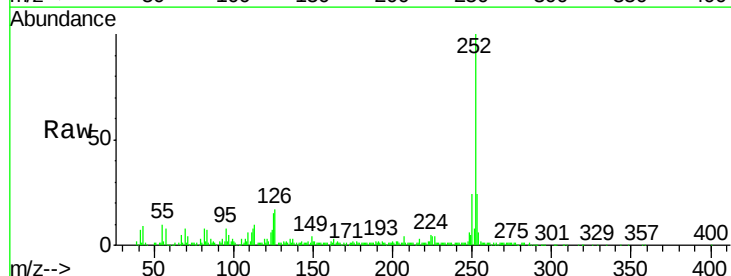
Instrument :
BNA_F
ClientSampleId :

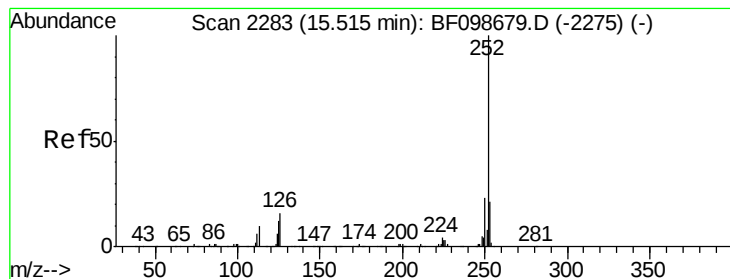
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 17.36 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 7.96 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

ClientSampled :

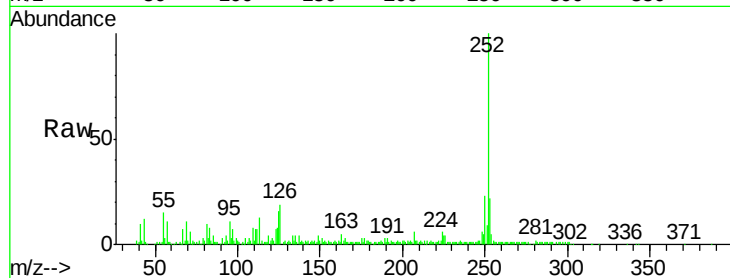
Tot Ion:252 Resp: 99431

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

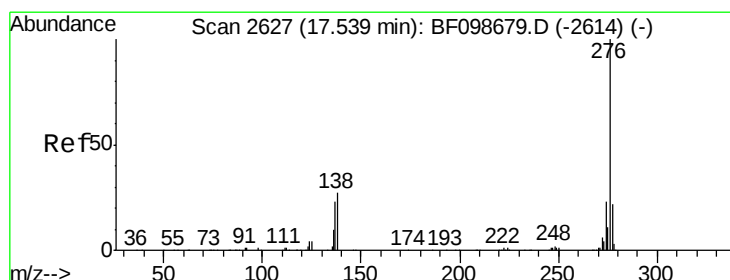
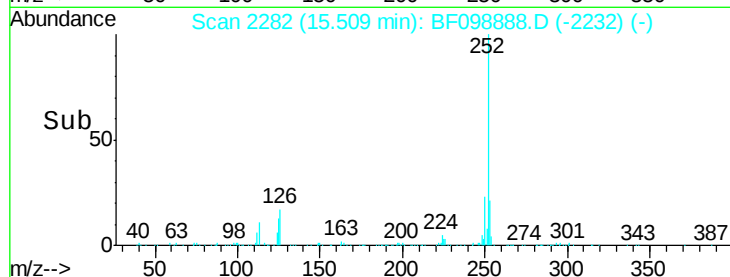
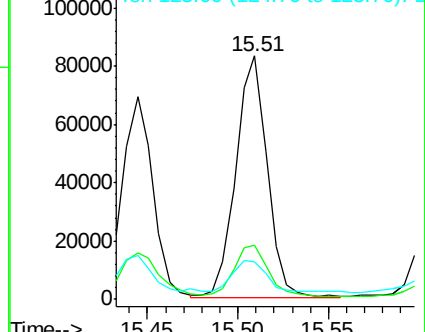
125 15.6 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.62 ng

RT: 17.54 min Scan# 2627

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

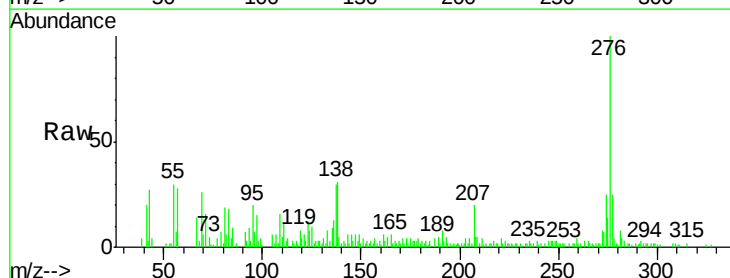
Tgt Ion:276 Resp: 45661

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 31.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

