

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098836.D
 Acq On : 26 Sep 2017 17:03
 Operator : SJ/JU
 Sample : I5363-09 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:46:50 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	6.91	152	144277	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	598727	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	269803	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	438543	20.00	ng	0.00
75) Chrysene-d12	14.07	240	283794	20.00	ng	-0.01
86) Perylene-d12	15.57	264	271081	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	136337	15.04	ng	-0.02
7) Phenol-d6	6.53	99	168293	15.05	ng	-0.02
23) Nitrobenzene-d5	7.47	82	95875	10.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	29166	13.21	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	200668	12.42	ng	-0.01
78) Terphenyl-d14	13.02	244	145755	11.68	ng	-0.02

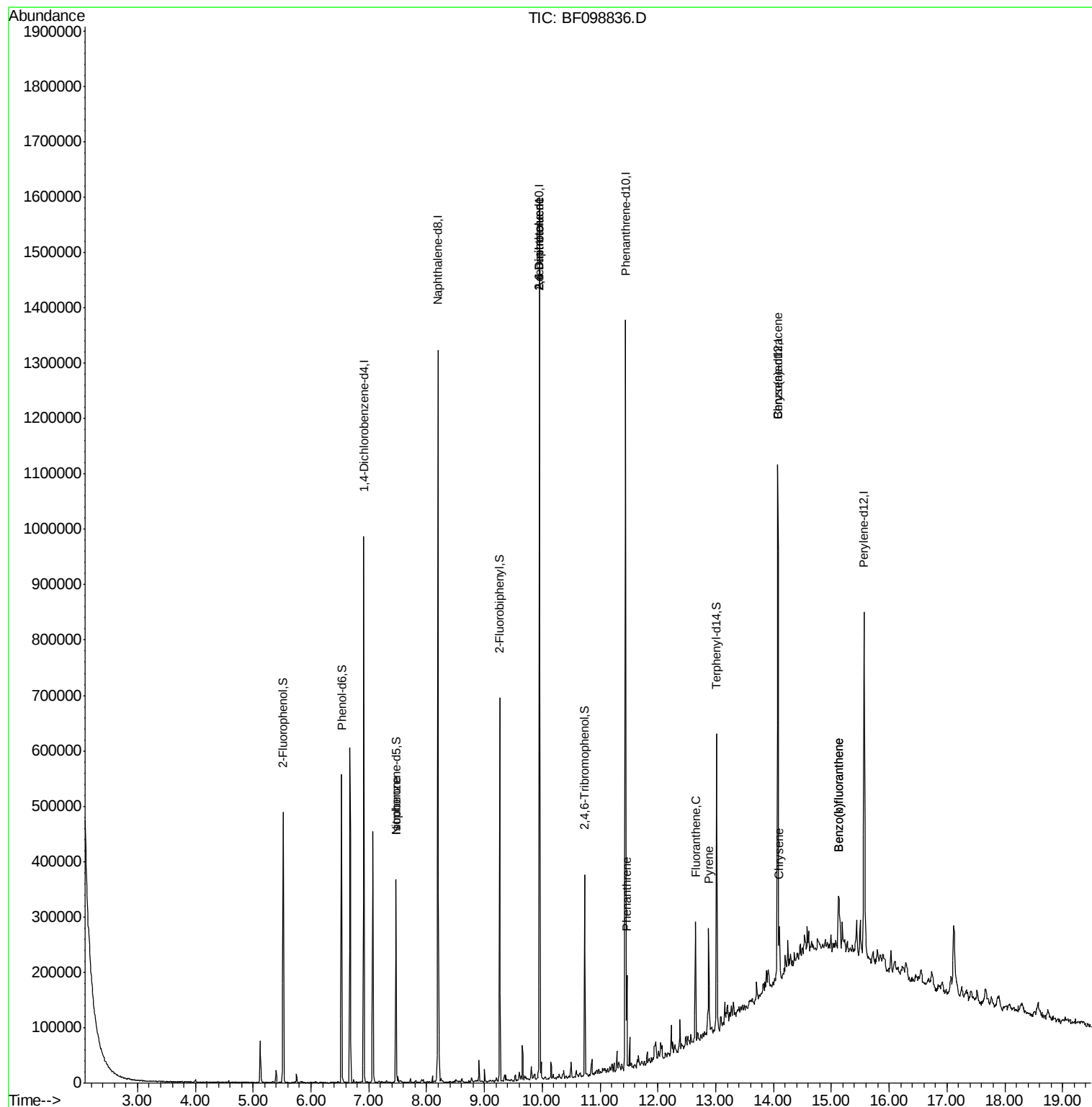
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.47	82	95465	4.95	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	34846	7.86	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	34846	6.06	ng	# 23
70) Phenanthrene	11.46	178	55948	2.38	ng	98
74) Fluoranthene	12.65	202	80743	3.40	ng	97
77) Pyrene	12.88	202	69738	3.22	ng	98
80) Benzo(a)anthracene	14.07	228	36062	2.10	ng	93
82) Chrysene	14.10	228	38248	2.34	ng	98
87) Benzo(b)fluoranthene	15.13	252	66244	3.97	ng	# 88
88) Benzo(k)fluoranthene	15.13	252	66244	4.02	ng	# 91

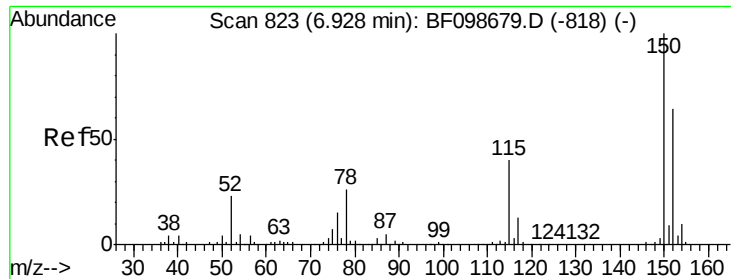
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

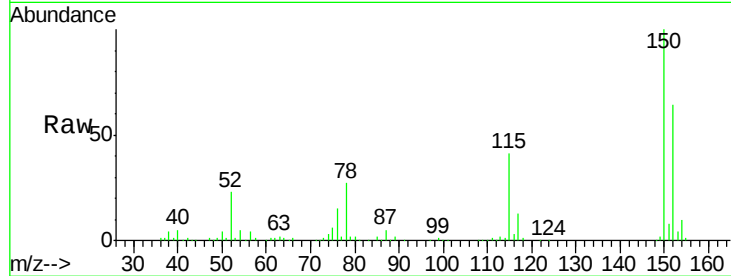
Tot Ion:152 Resp: 144277

Ion Ratio Lower Upper

152 100

150 155.7 124.6 186.8

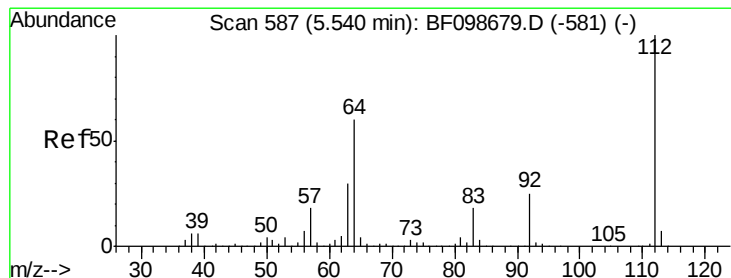
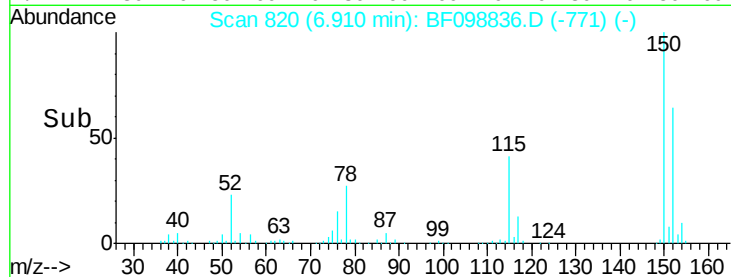
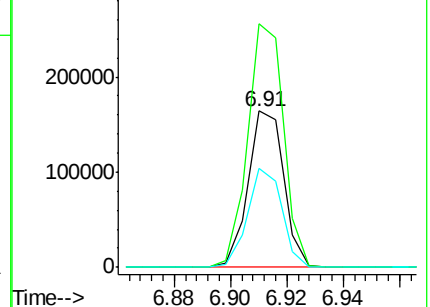
115 63.3 50.1 75.1



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: 15.04 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

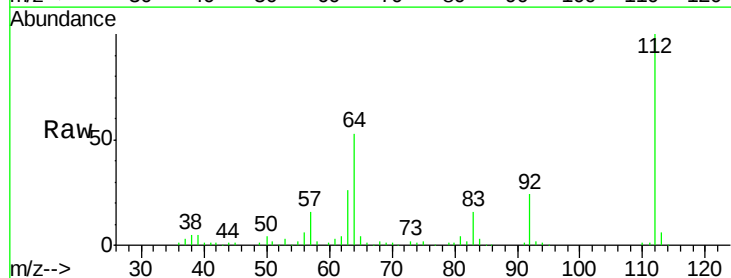
Tgt Ion:112 Resp: 136337

Ion Ratio Lower Upper

112 100

64 53.4 47.9 71.9

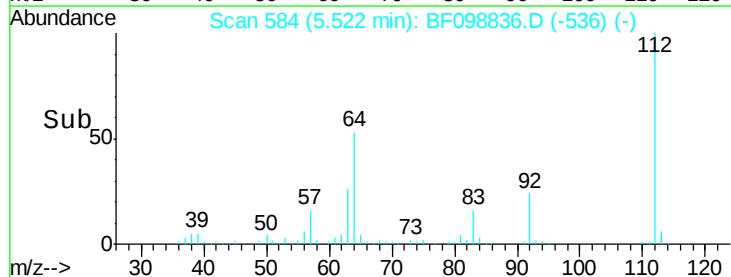
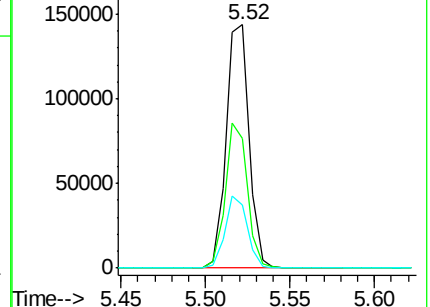
63 25.8 23.7 35.5

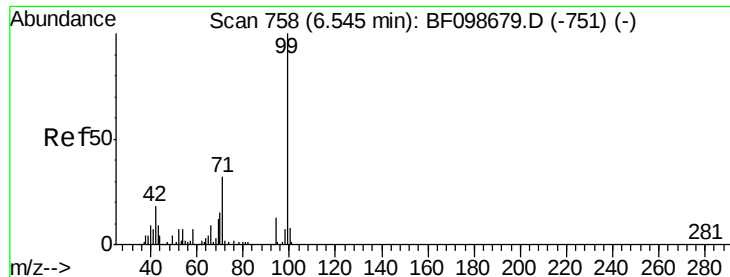


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.05 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

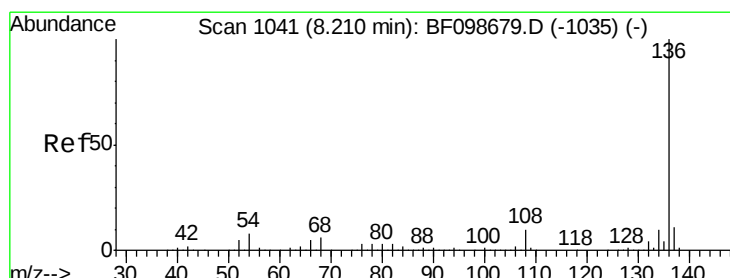
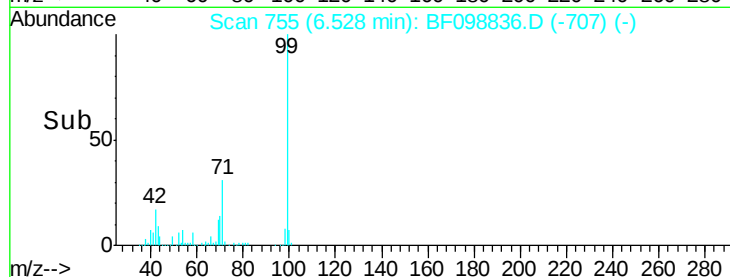
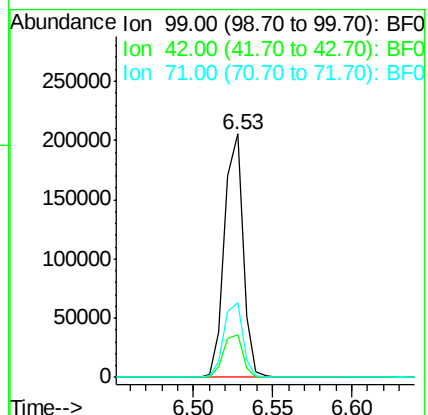
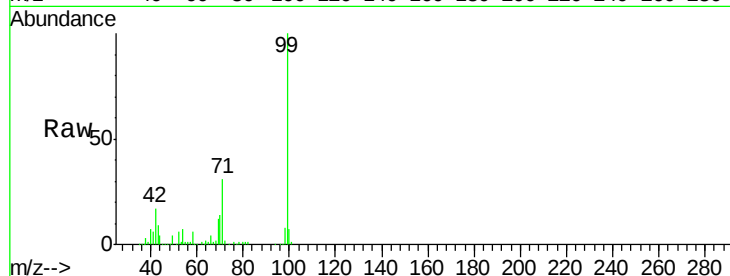
Tot Ion: 99 Resp: 168293

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 30.9 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Tgt Ion: 136 Resp: 598727

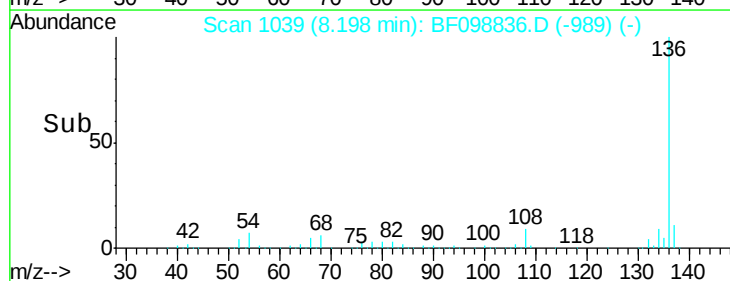
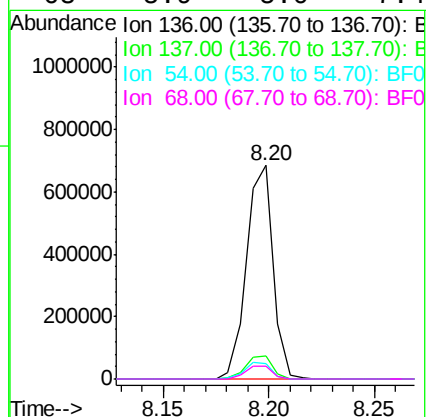
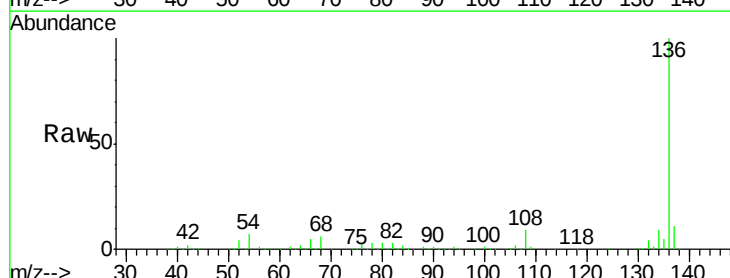
Ion Ratio Lower Upper

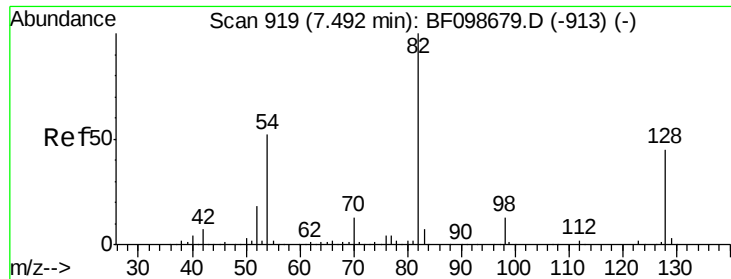
136 100

137 10.6 8.9 13.3

54 7.0 6.6 9.8

68 5.9 5.0 7.4

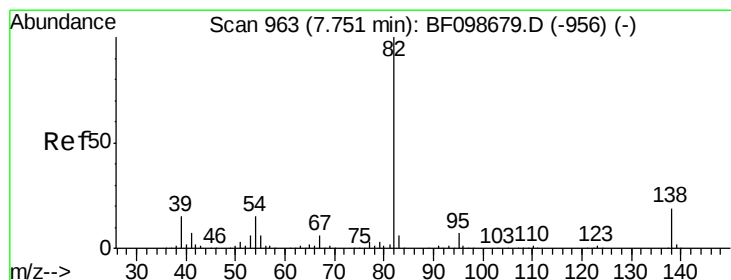
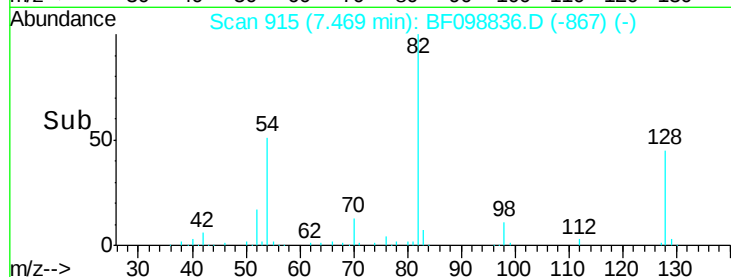
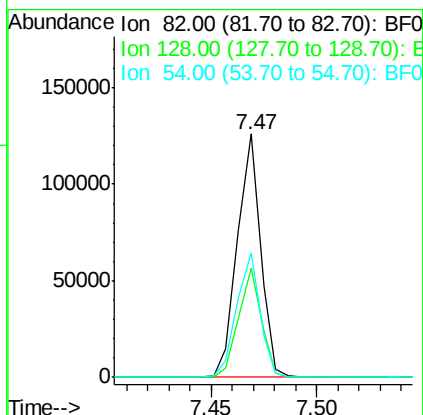
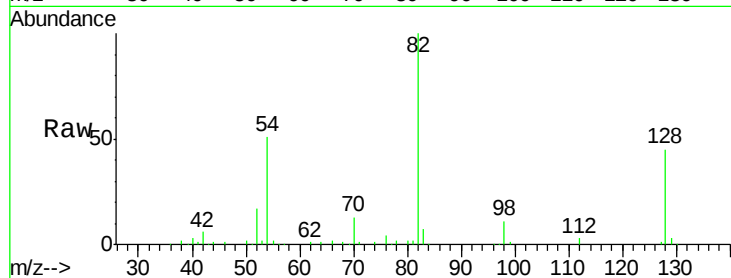




#23
 Nitrobenzene-d5
 Concen: 10.27 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

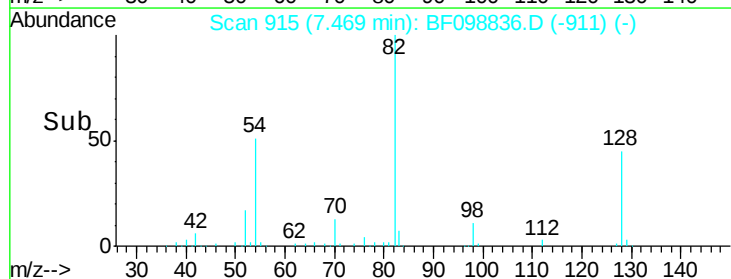
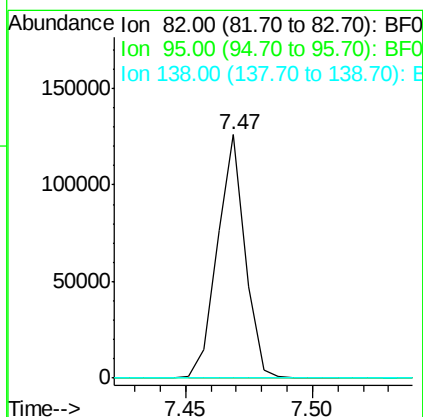
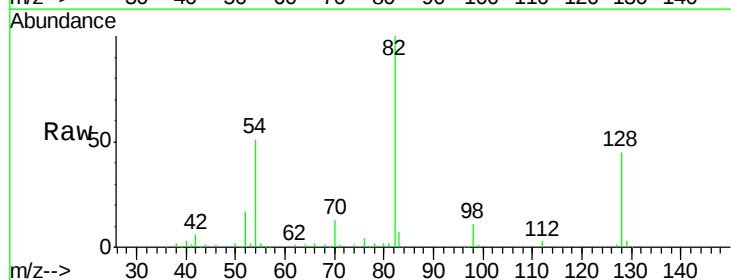
Instrument :
 BNA_F
 ClientSampleId :

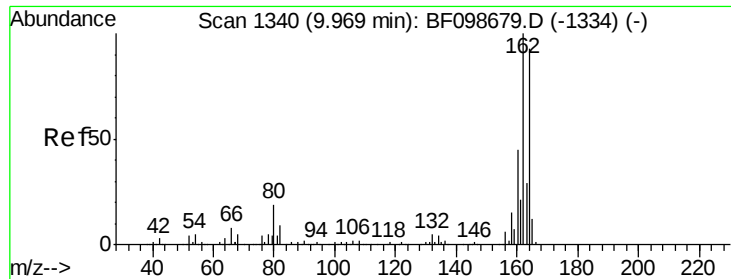
Tot Ion: 82 Resp: 95875
 Ion Ratio Lower Upper
 82 100
 128 44.8 36.1 54.1
 54 51.1 41.4 62.2



#25
 Isophorone
 Concen: 4.95 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Tgt Ion: 82 Resp: 95465
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

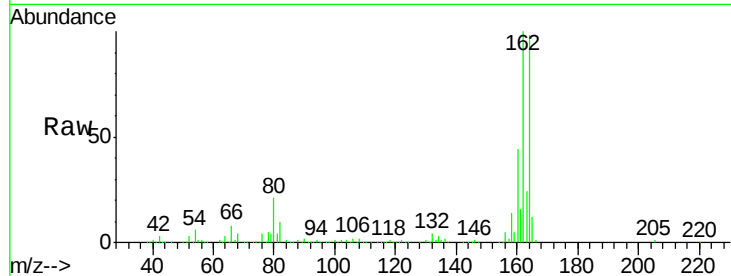




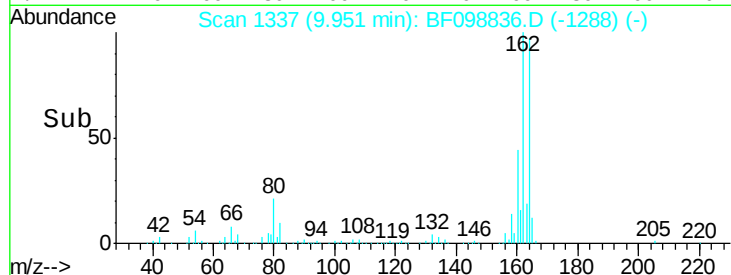
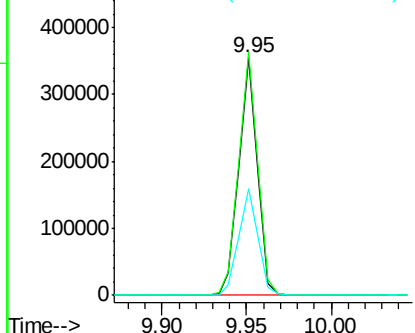
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.1	38.3	57.5

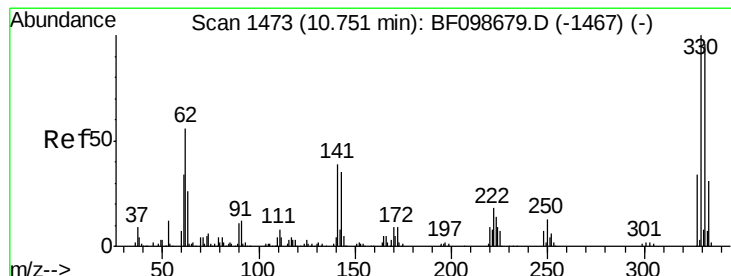


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

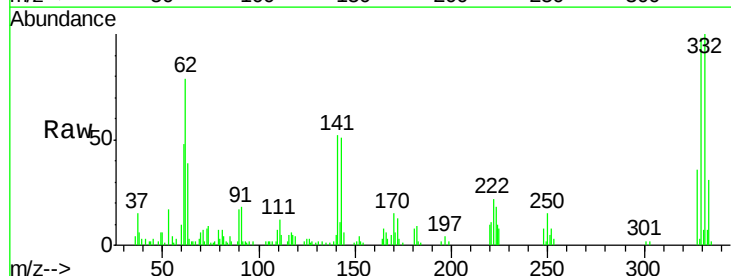
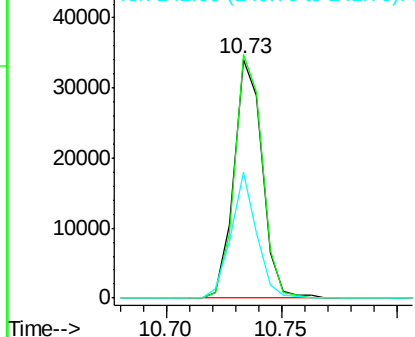


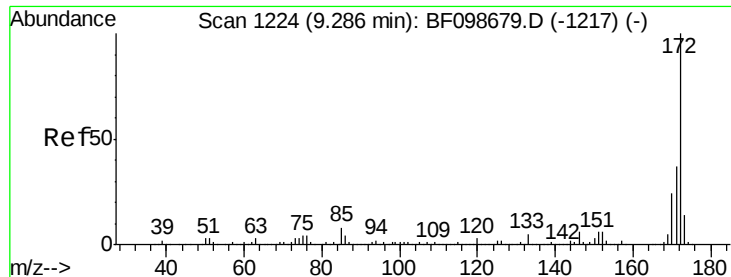
#41
 2,4,6-Tribromophenol
 Concen: 13.21 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	47.7	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

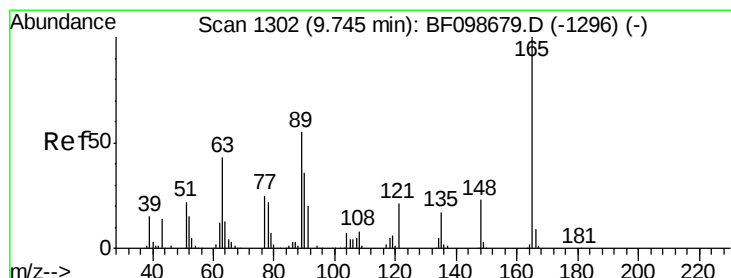
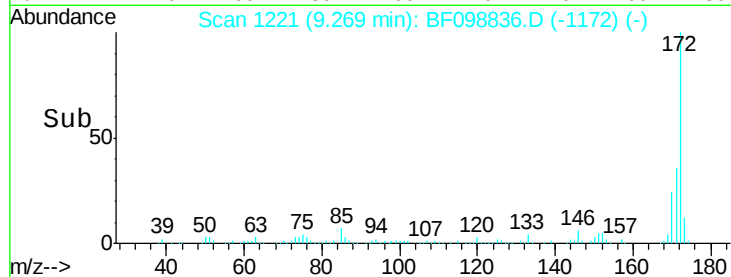
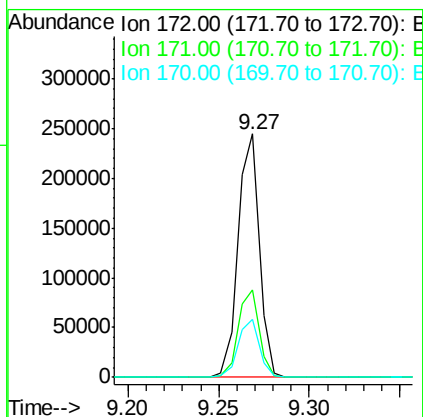
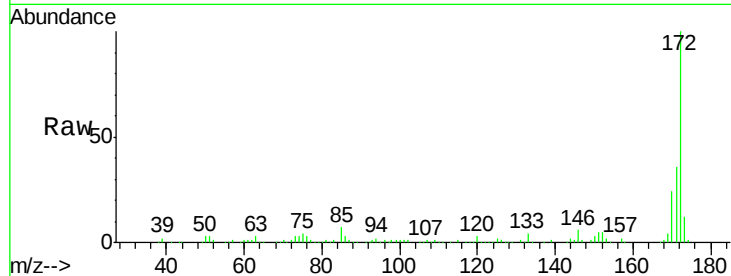




#44
 2-Fluorobiphenyl
 Concen: 12.42 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

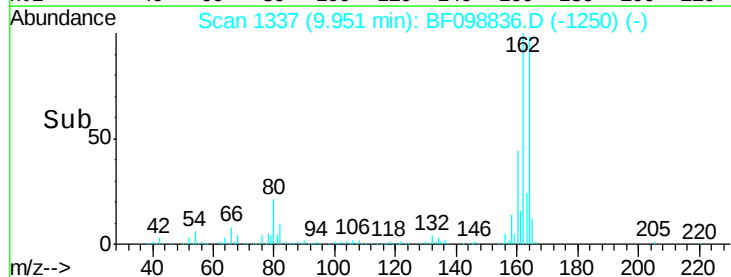
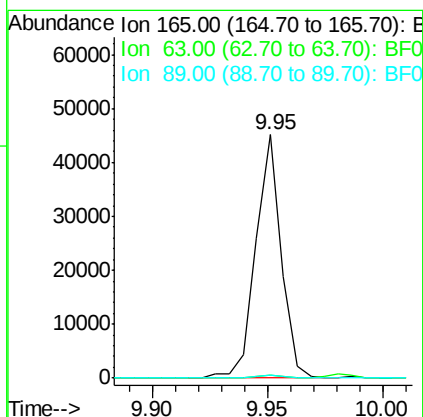
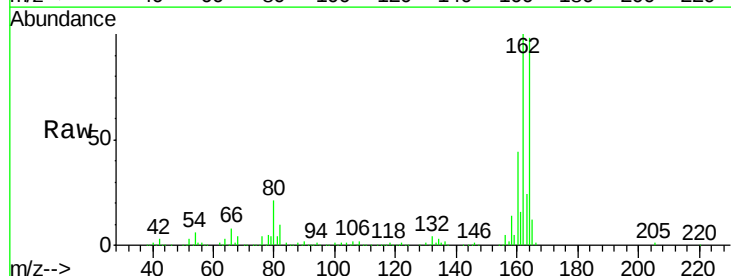
Instrument :
 BNA_F
 ClientSampleId :

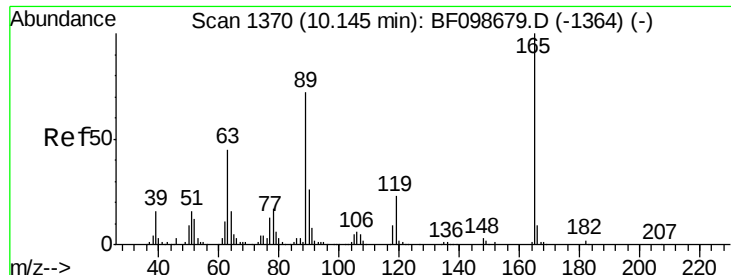
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.6	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098836.D
 Acq: 26 Sep 2017 17:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.4	44.0	66.0#

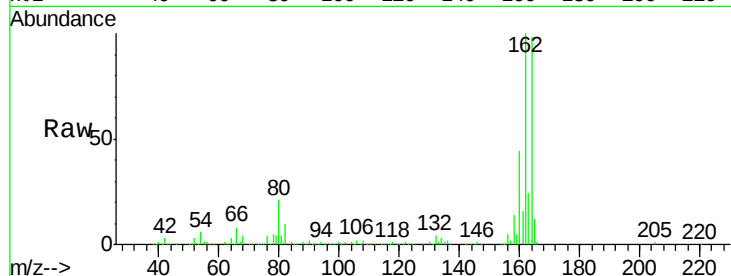




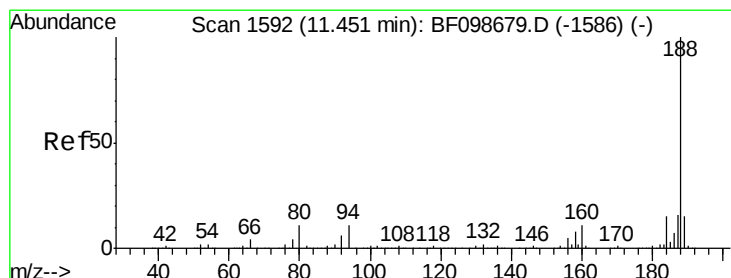
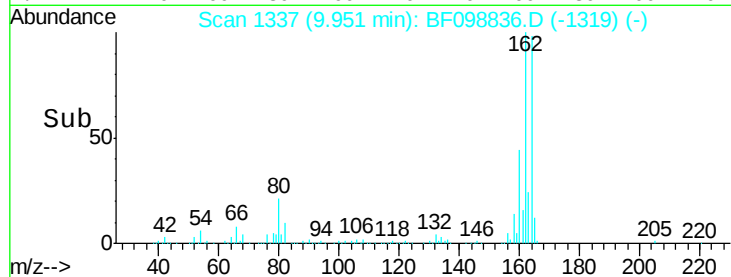
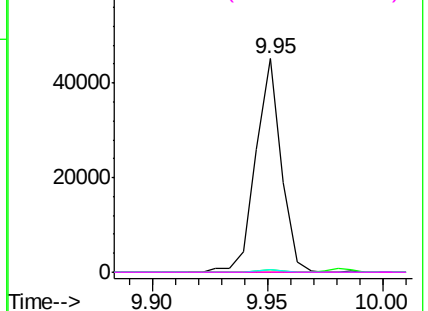
#56
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 34846
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

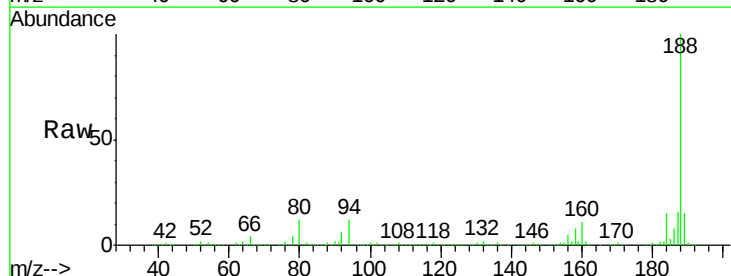


Abundance Ion 165.00 (164.70 to 165.70): E

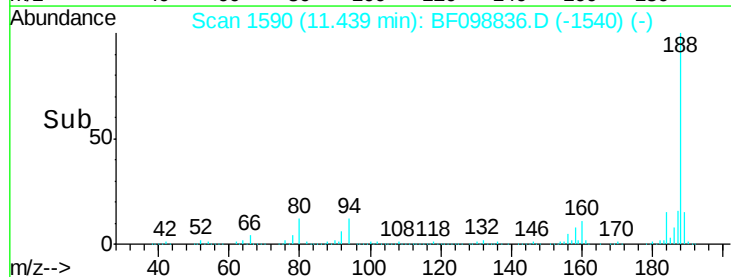
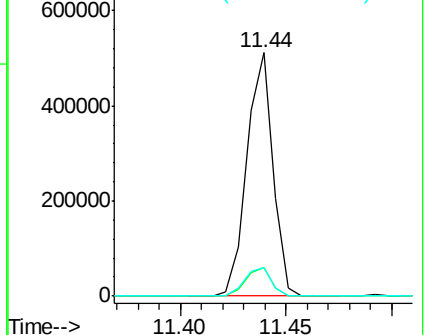


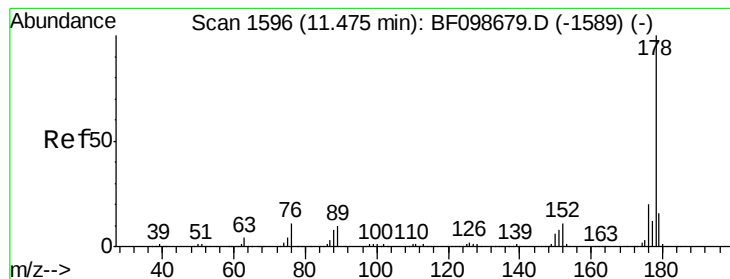
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Tgt Ion:188 Resp: 438543
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#70

Phenanthrene

Concen: 2.38 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

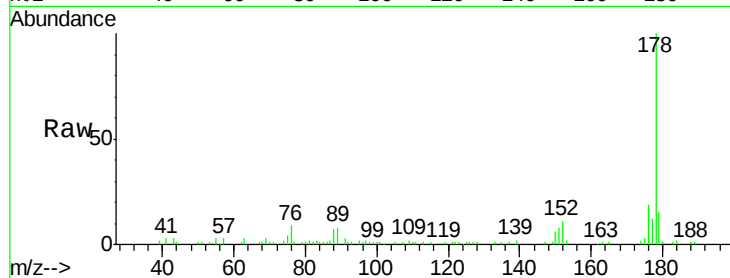
Tot Ion:178 Resp: 55948

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

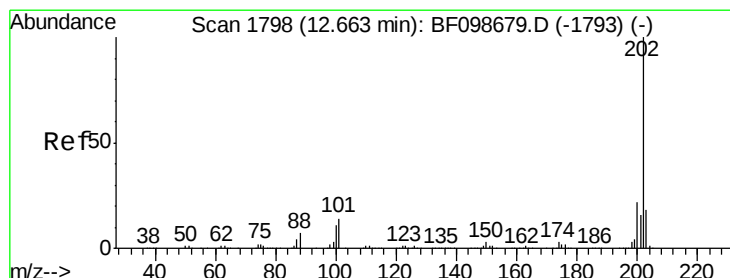
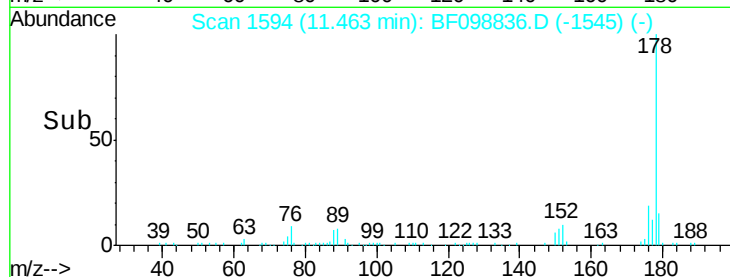
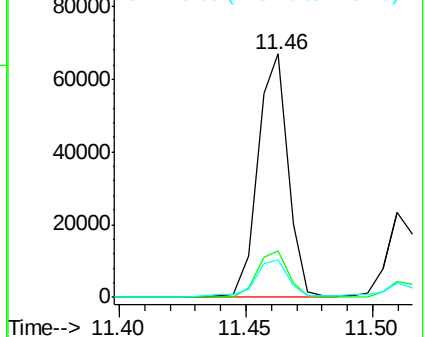
179 15.4 13.0 19.6



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



#74

Fluoranthene

Concen: 3.40 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

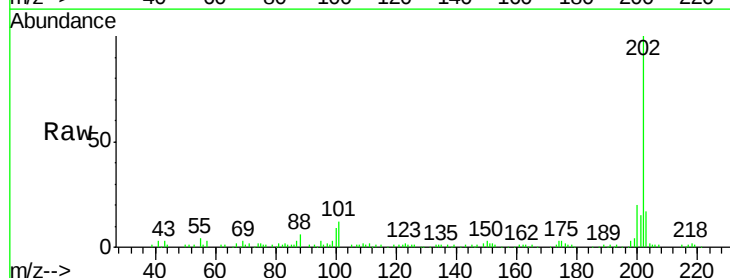
Tgt Ion:202 Resp: 80743

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

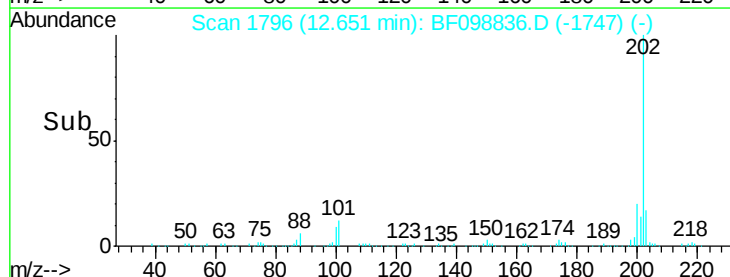
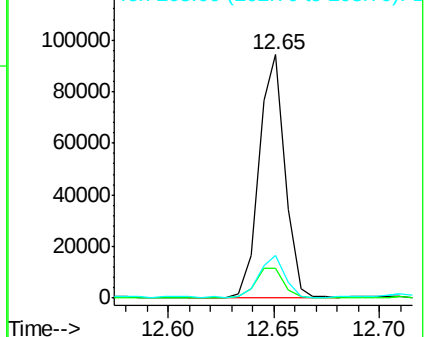
203 17.5 0.0 38.1

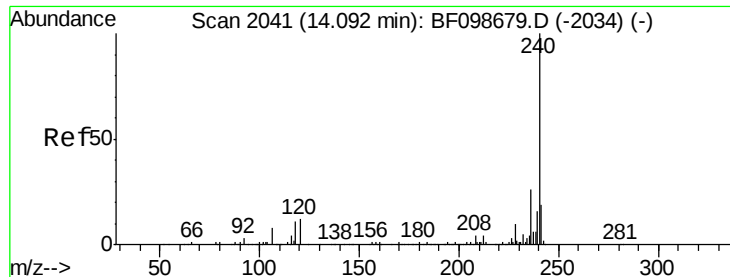


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098836.D

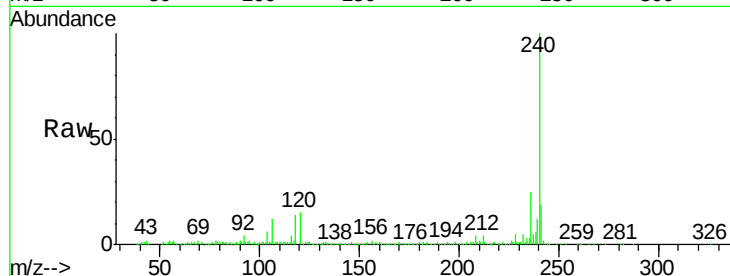
Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

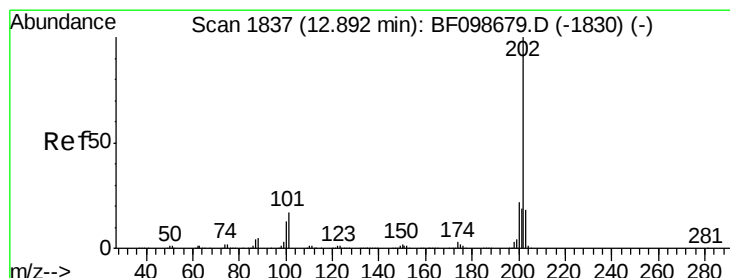
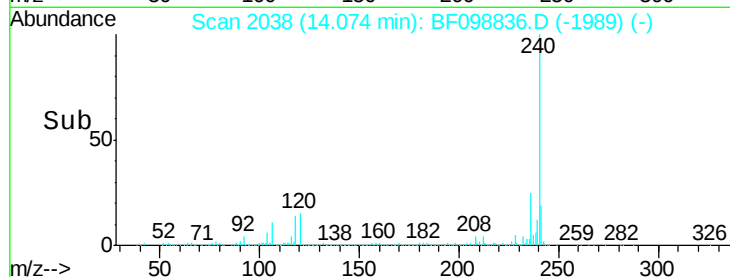
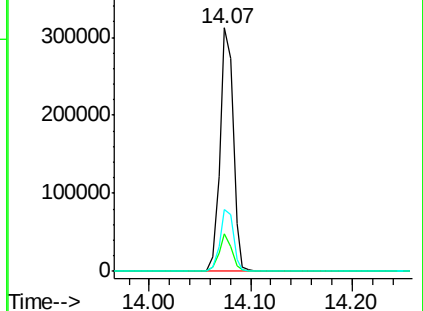
Tot Ion:240	Resp:	283794
Ion Ratio	Lower	Upper
240	100	
120	15.4	9.5 14.3#
236	25.2	20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.22 ng

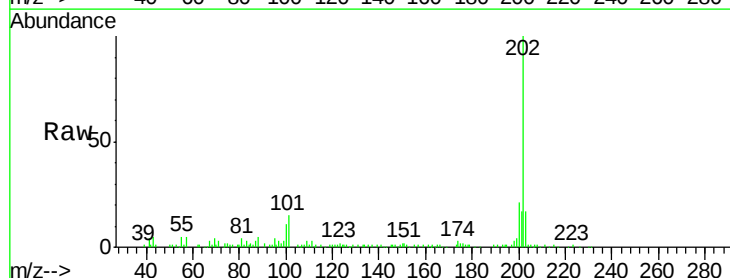
RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

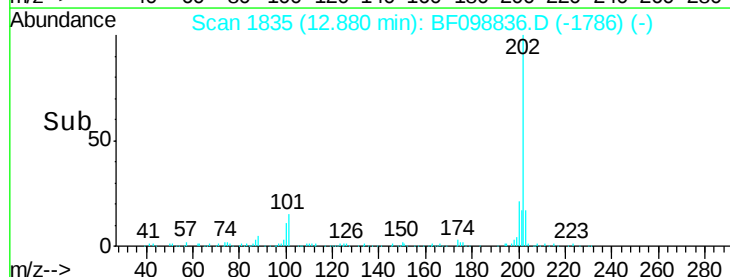
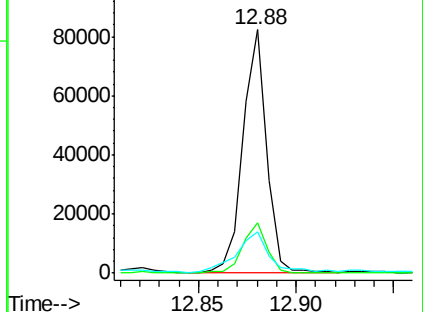
Tgt Ion:202	Resp:	69738
Ion Ratio	Lower	Upper
202	100	
200	20.6	17.4 26.2
203	16.9	14.3 21.5

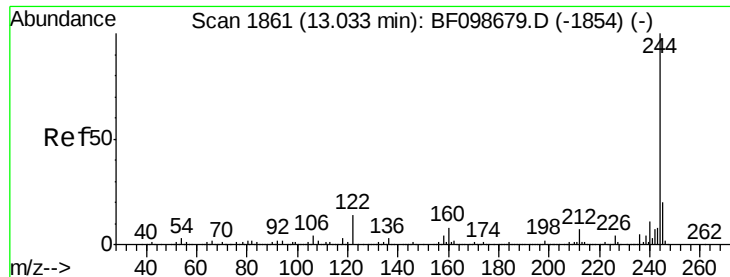


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.68 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

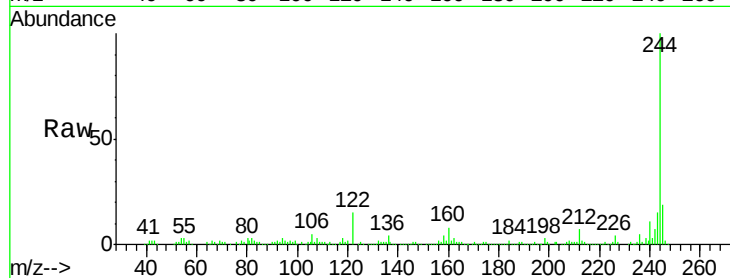
Tot Ion:244 Resp: 145755

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

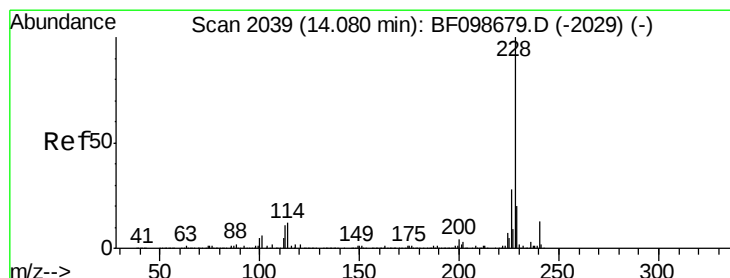
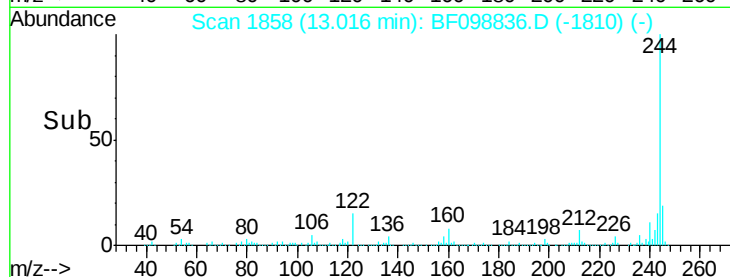
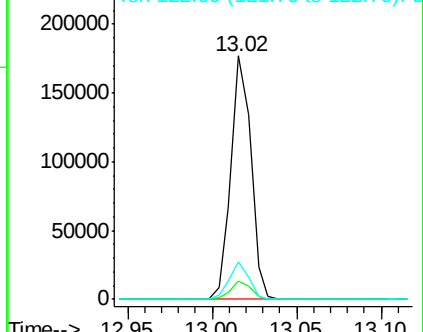
122 15.2 11.0 16.4



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: 2.10 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

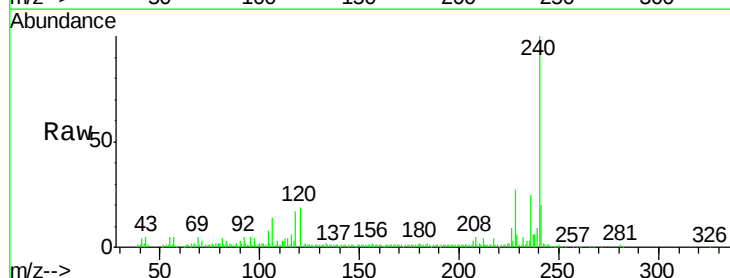
Tgt Ion:228 Resp: 36062

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

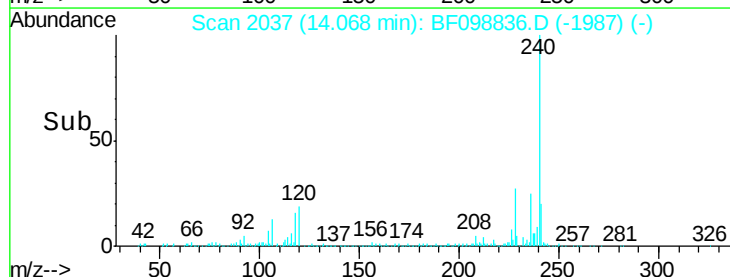
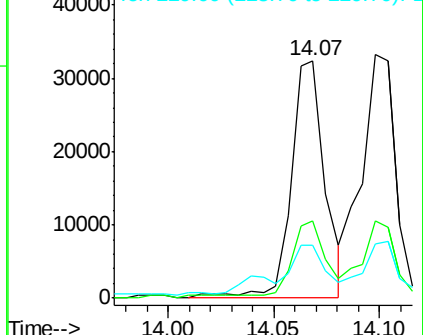
229 22.3 15.8 23.6

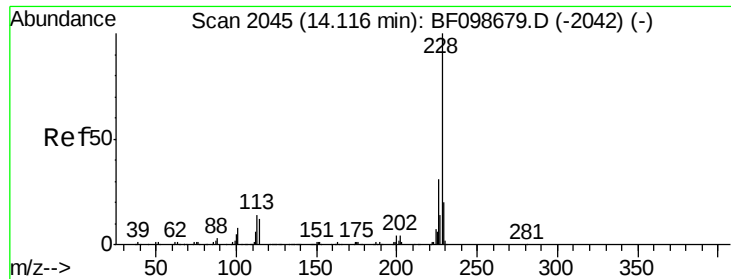


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

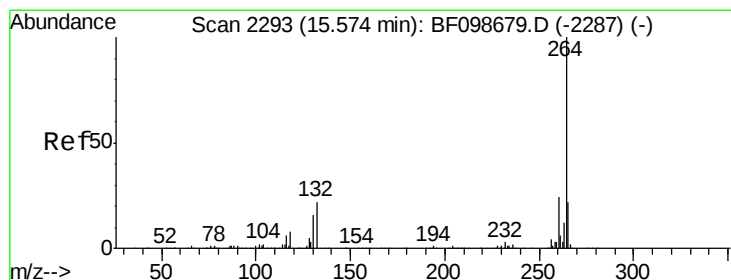
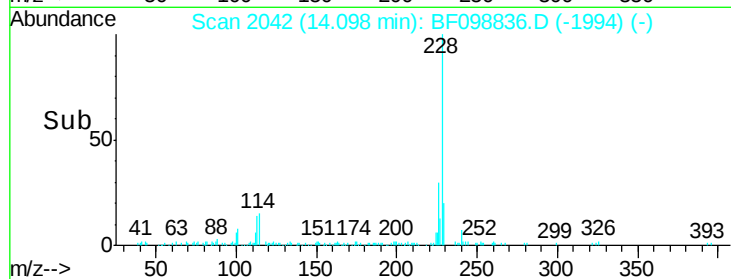
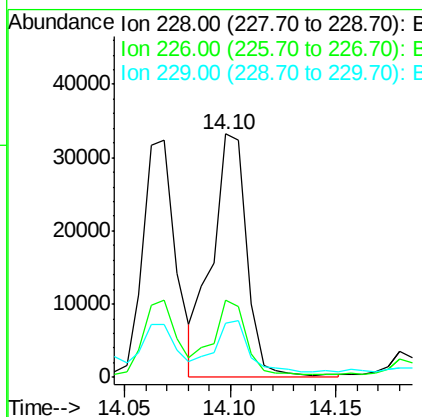
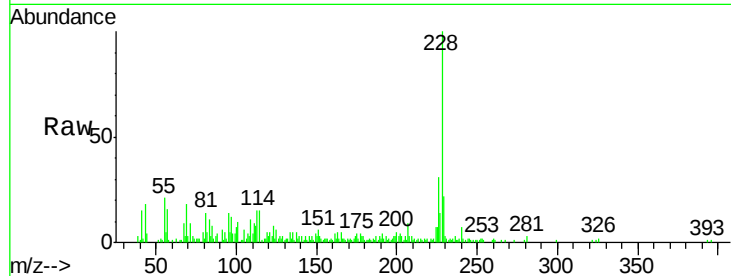




#82
Chrysene
Concen: 2.34 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

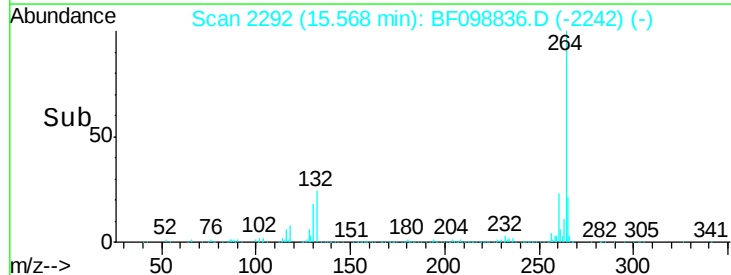
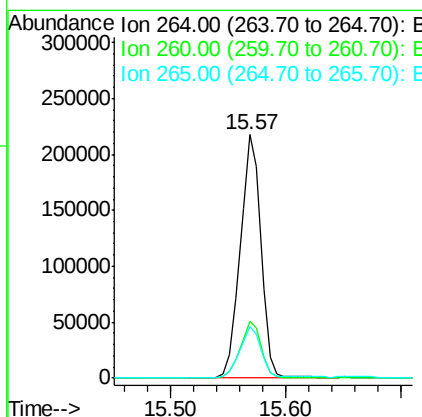
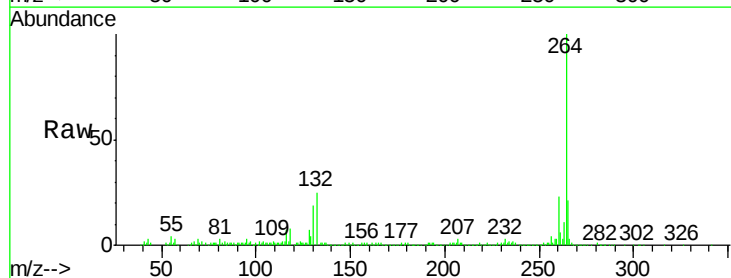
Instrument :
BNA_F
ClientSampled :

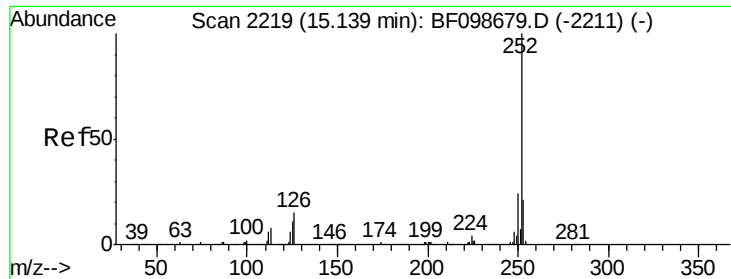
Tot Ion:228 Resp: 38248
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.5 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098836.D
Acq: 26 Sep 2017 17:03

Tgt Ion:264 Resp: 271081
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.97 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

Instrument :

BNA_F

ClientSampleId :

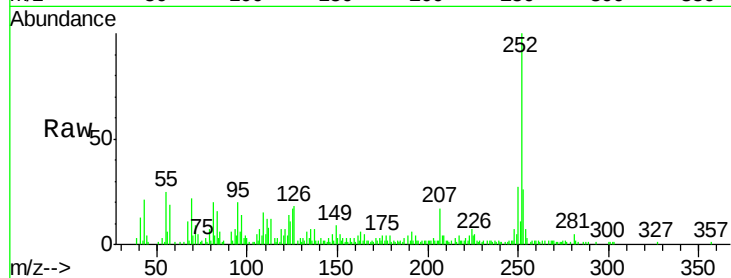
Tot Ion:252 Resp: 66244

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

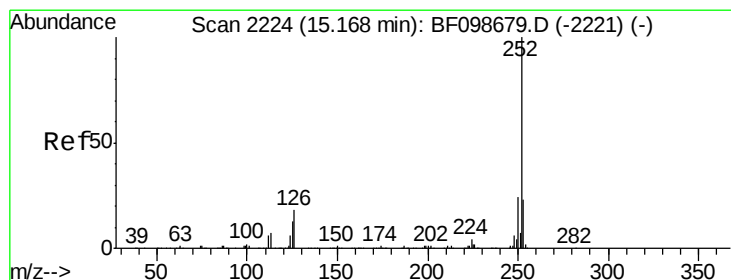
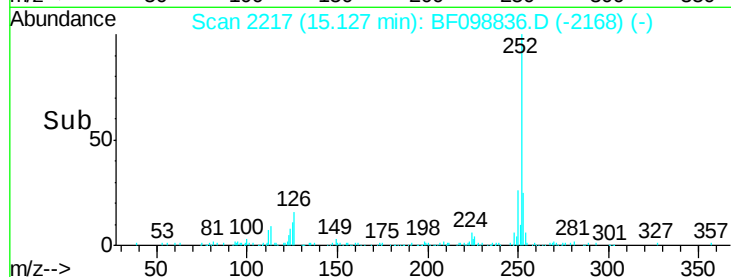
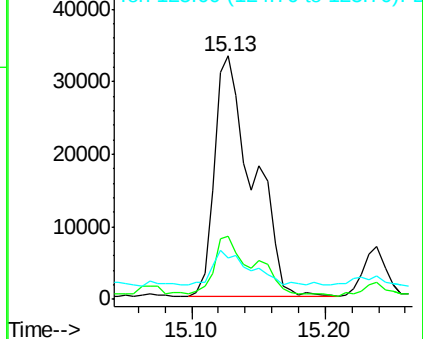
125 17.1 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.02 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098836.D

Acq: 26 Sep 2017 17:03

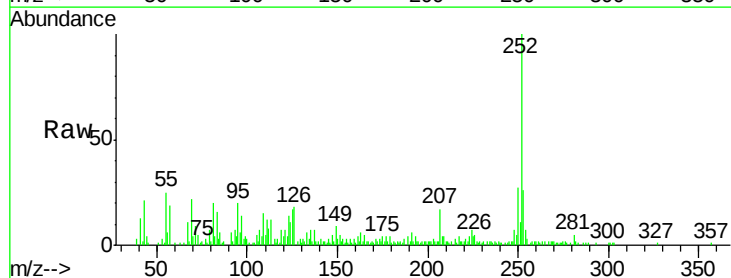
Tgt Ion:252 Resp: 66244

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

125 17.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

