

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096123.D
 Acq On : 22 Jun 2017 15:44
 Operator : SJ/MA
 Sample : I3697-01RE 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 16:24:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

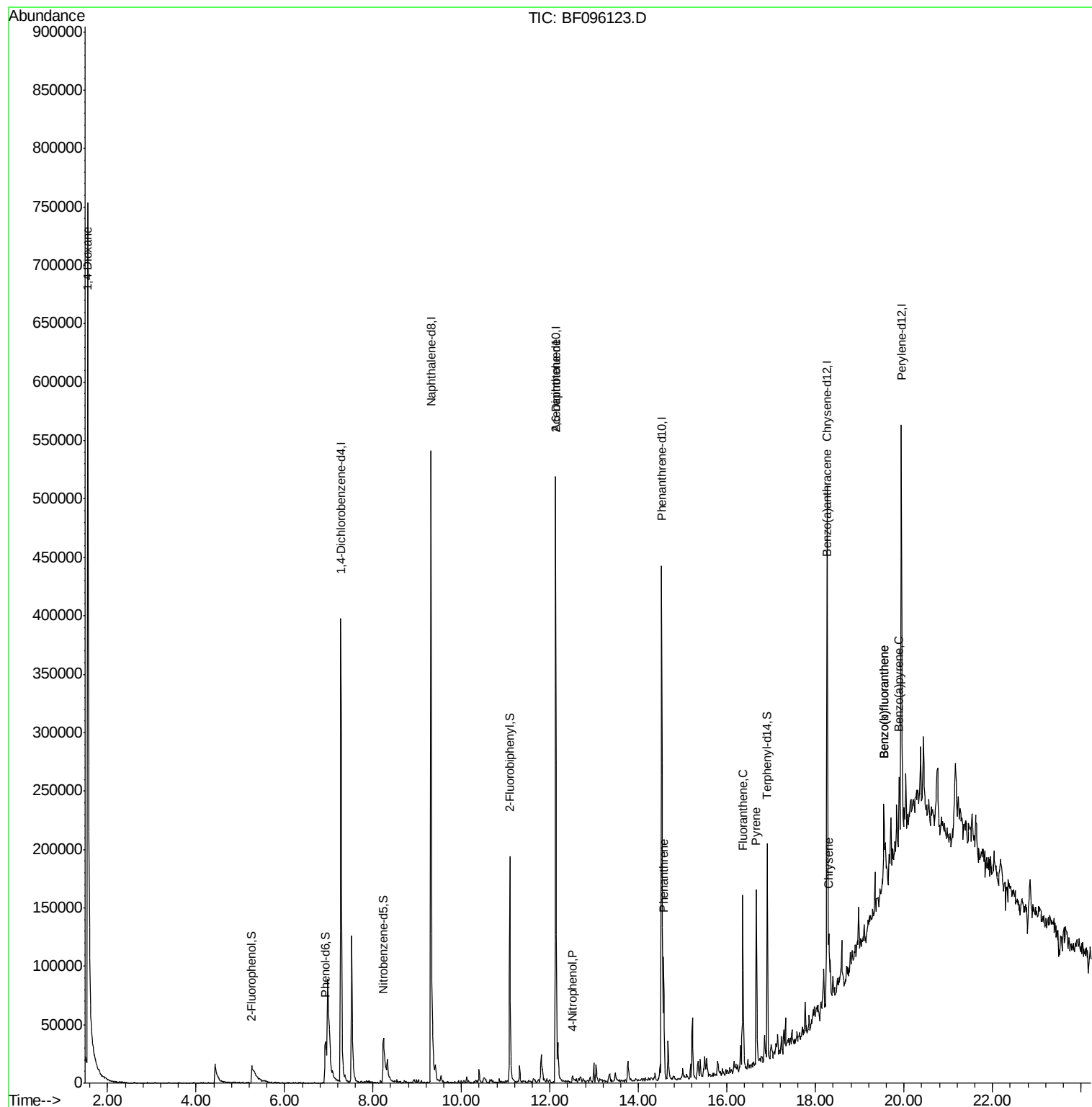
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	105414	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	442007	20.00	ng	-0.02
38) Acenaphthene-d10	12.13	164	154831	20.00	ng	-0.02
63) Phenanthrene-d10	14.52	188	249045	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	173452	20.00	ng	-0.01
86) Perylene-d12	19.94	264	161853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	15137	2.29	ng	0.08
7) Phenol-d6	6.92	99	68898	8.70	ng	0.05
23) Nitrobenzene-d5	8.23	82	56125	7.89	ng	0.01
41) 2,4,6-Tribromophenol	13.49	330	1466	1.07	ng	0.04
44) 2-Fluorobiphenyl	11.09	172	106732	9.59	ng	-0.02
78) Terphenyl-d14	16.91	244	66797	9.56	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.55	88	34910	11.09	ng	# 22
50) 2,6-Dinitrotoluene	12.13	165	19785	7.72	ng	# 31
55) 4-Nitrophenol	12.50	139	1683	5.54	ng	# 25
70) Phenanthrene	14.57	178	73126	5.09	ng	98
74) Fluoranthene	16.36	202	89291	6.28	ng	99
77) Pyrene	16.66	202	74211	5.73	ng	96
80) Benzo(a)anthracene	18.25	228	33038	3.28	ng	97
82) Chrysene	18.30	228	33227	3.30	ng	98
87) Benzo(b)fluoranthene	19.54	252	48607	4.80	ng	# 86
88) Benzo(k)fluoranthene	19.54	252	48607	5.02	ng	# 91
89) Benzo(a)pyrene	19.89	252	22621	2.43	ng	# 82

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

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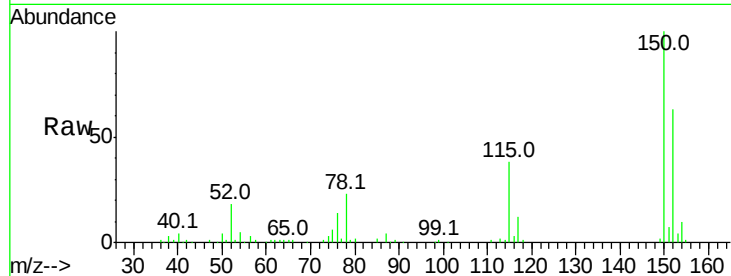


#1

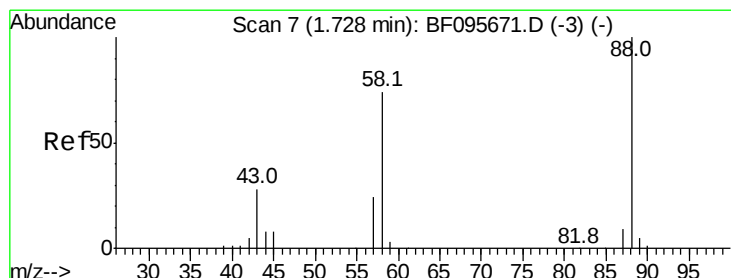
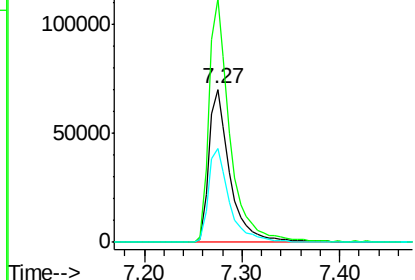
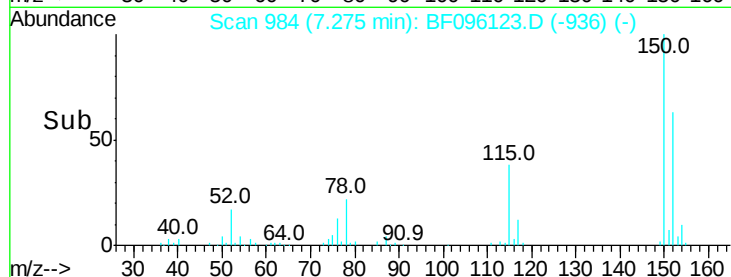
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 105414
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 61.3 52.2 78.2



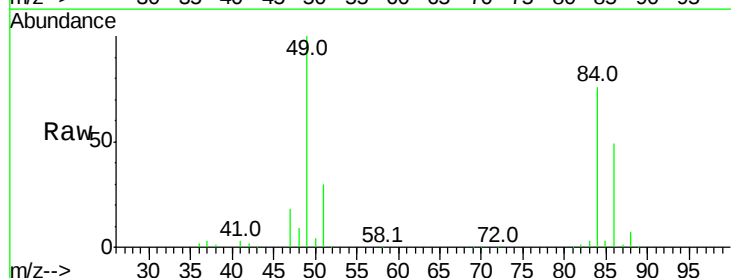
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



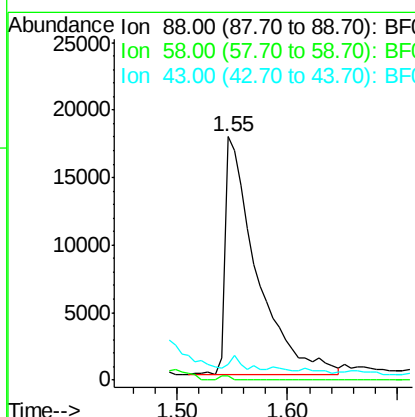
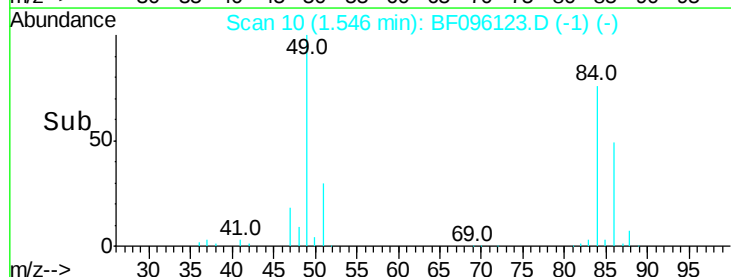
#2

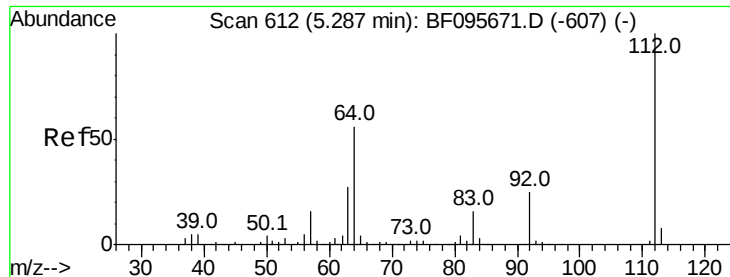
1,4-Dioxane
Concen: 11.09 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion: 88 Resp: 34910
Ion Ratio Lower Upper
88 100
58 0.6 61.4 92.0#
43 2.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 2.29 ng

RT: 5.26 min Scan# 642

Delta R.T. 0.08 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

Instrument :

BNA_F

ClientSampled :

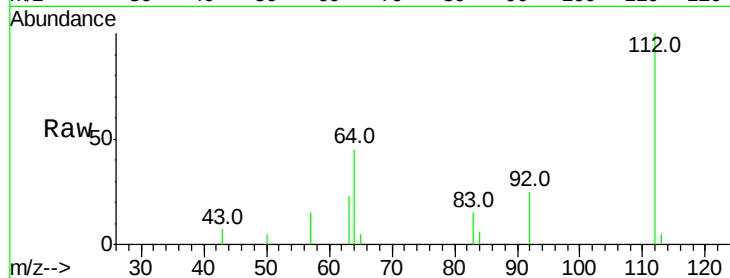
Tot Ion:112 Resp: 15137

Ion Ratio Lower Upper

112 100

64 45.0 46.0 69.0#

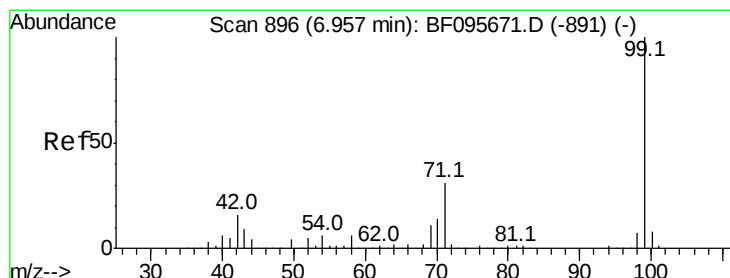
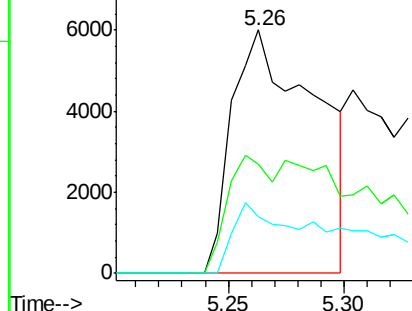
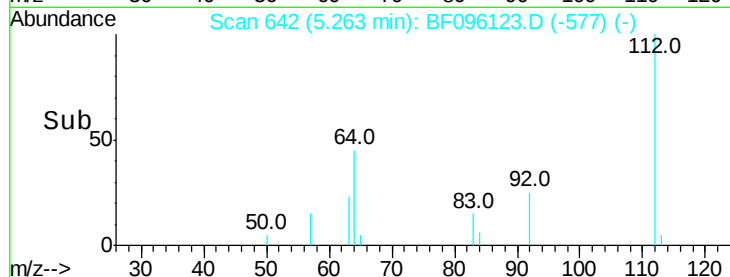
63 23.3 23.4 35.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 8.70 ng

RT: 6.92 min Scan# 924

Delta R.T. 0.05 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

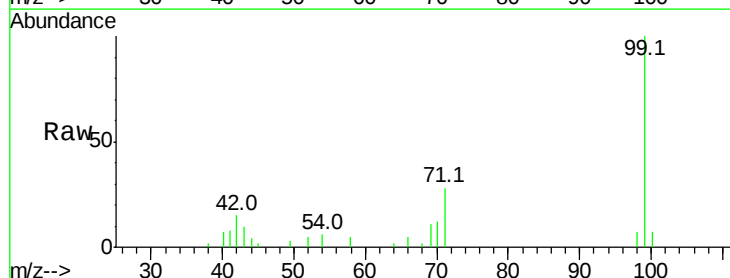
Tgt Ion: 99 Resp: 68898

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

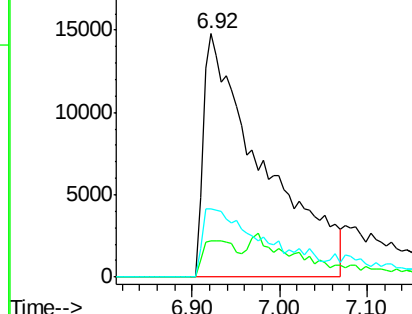
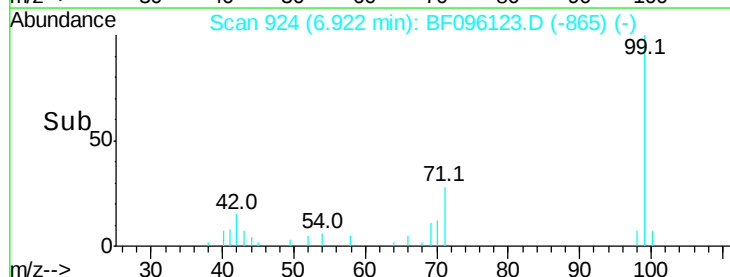
71 27.9 24.5 36.7

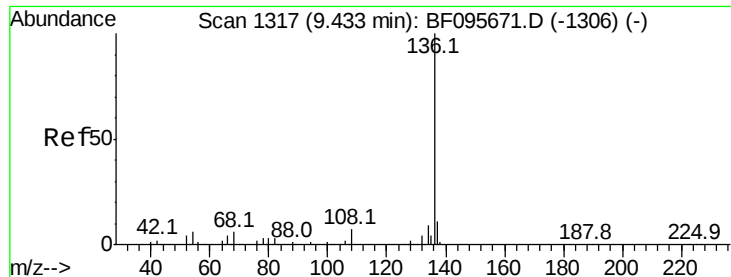


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 442007

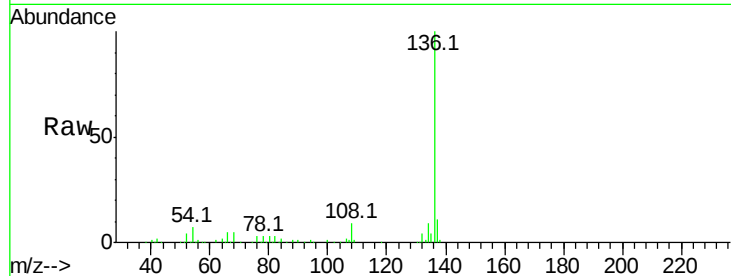
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

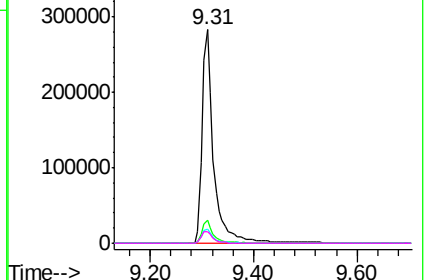
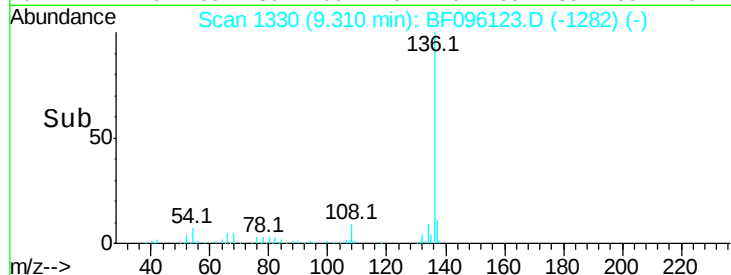


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.89 ng

RT: 8.23 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

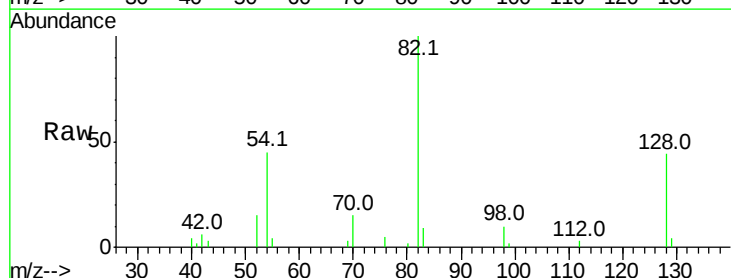
Tgt Ion: 82 Resp: 56125

Ion Ratio Lower Upper

82 100

128 44.1 34.0 51.0

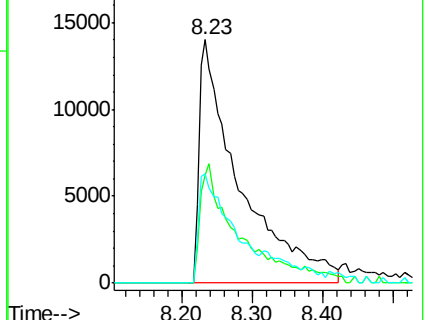
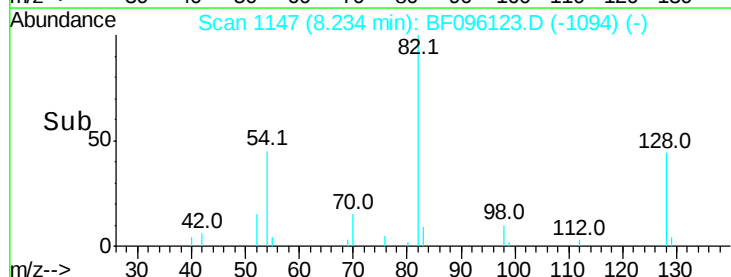
54 44.9 42.2 63.2



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.13 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

Instrument :

BNA_F

ClientSampleId :

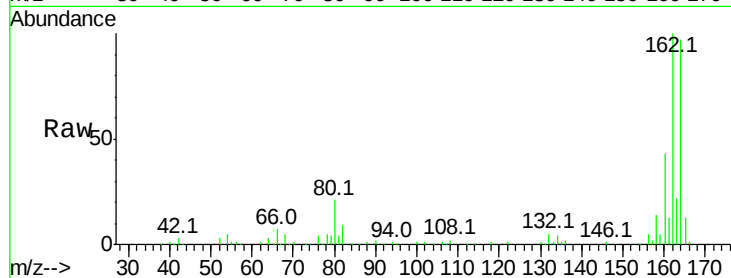
Tot Ion:164 Resp: 154831

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

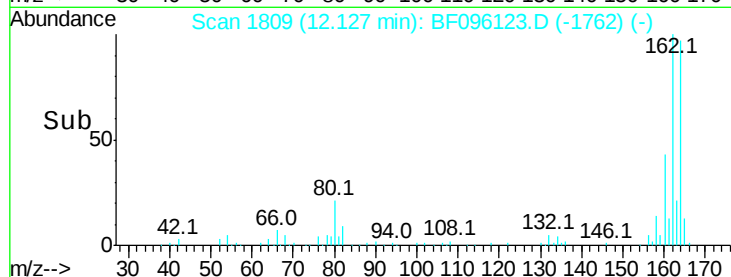
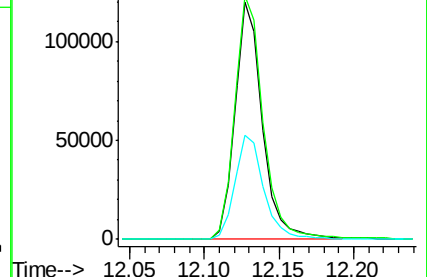
160 43.8 36.2 54.2



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: 1.07 ng

RT: 13.49 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

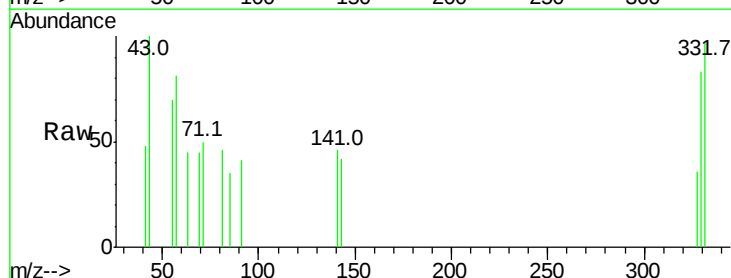
Tgt Ion:330 Resp: 1466

Ion Ratio Lower Upper

330 100

332 120.9 76.6 115.0#

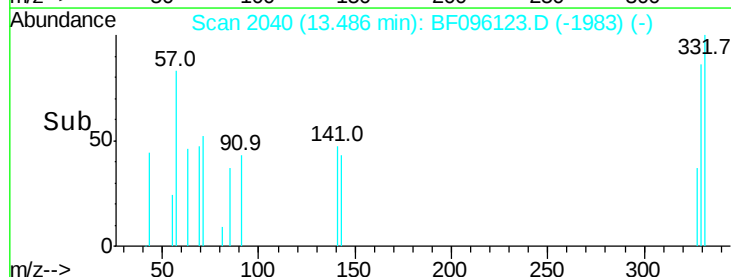
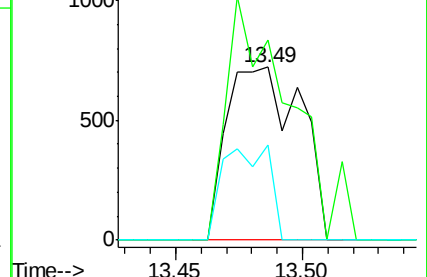
141 34.2 31.4 47.2



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

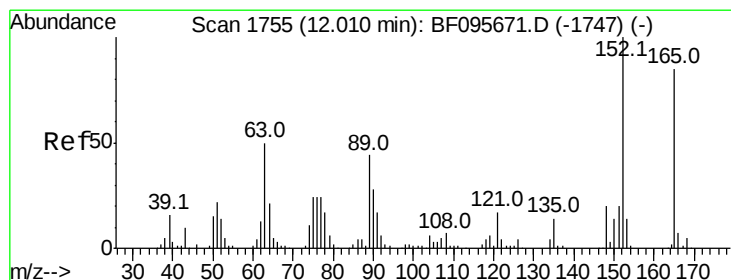
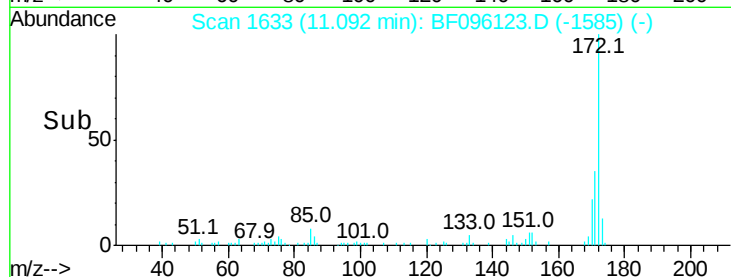
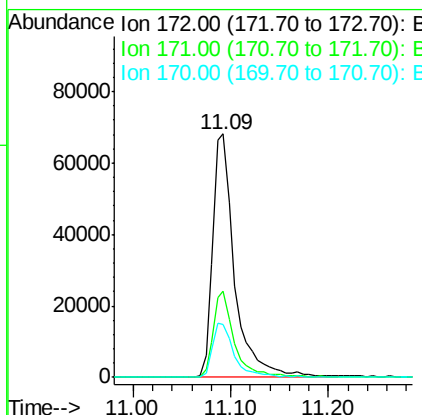
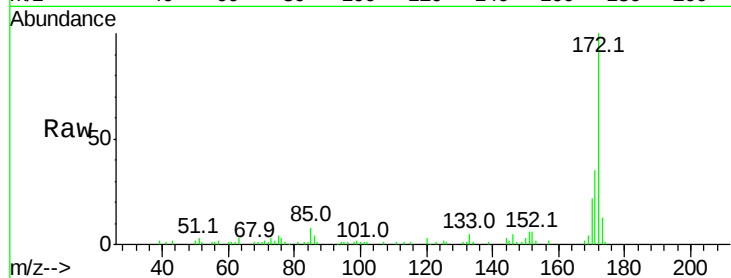




#44
 2-Fluorobiphenyl
 Concen: 9.59 ng
 RT: 11.09 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF096123.D
 Acq: 22 Jun 2017 15:44

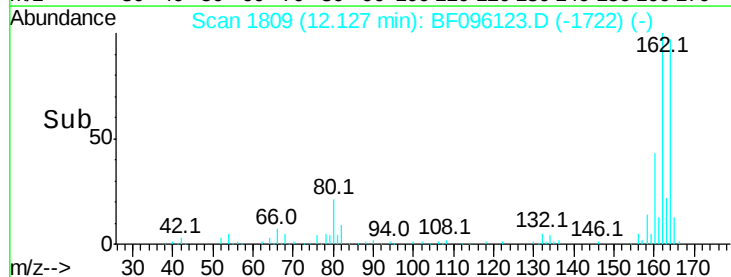
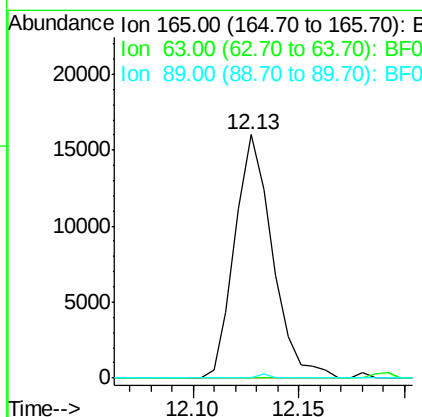
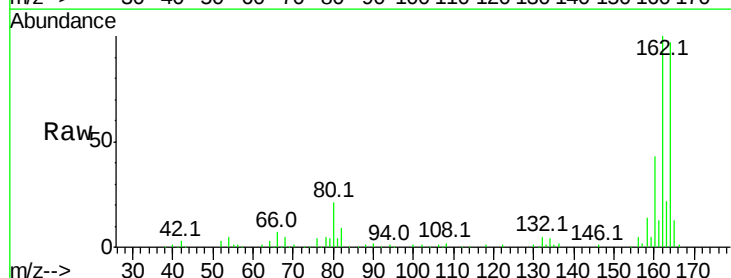
Instrument :
 BNA_F
 ClientSampleId :

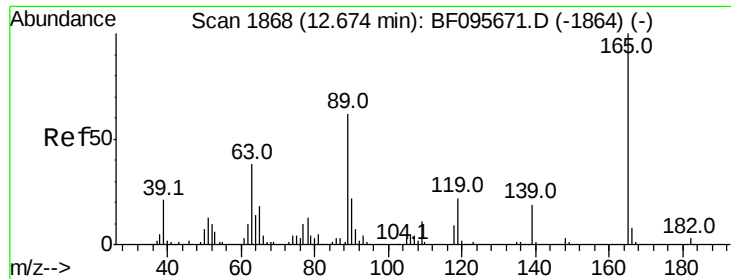
Tot Ion:172 Resp: 106732
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 21.7 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 12.13 min Scan# 1809
 Delta R.T. 0.21 min
 Lab File: BF096123.D
 Acq: 22 Jun 2017 15:44

Tgt Ion:165 Resp: 19785
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

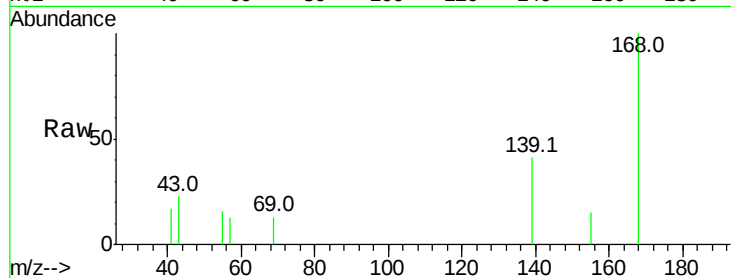




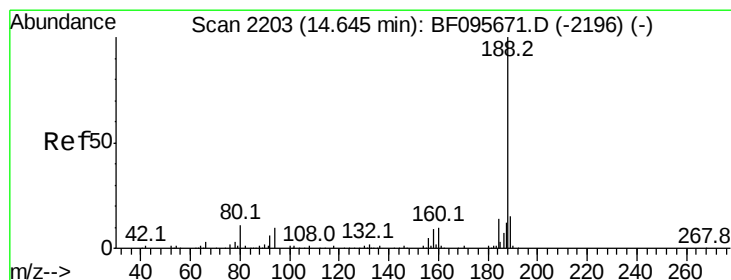
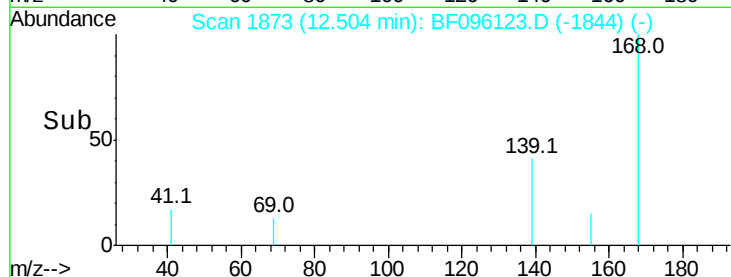
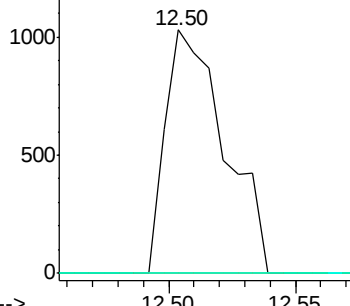
#55
4-Nitrophenol
Concen: 5.54 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.13 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 1683
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

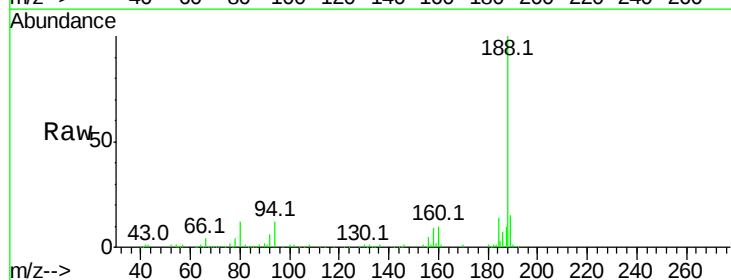


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

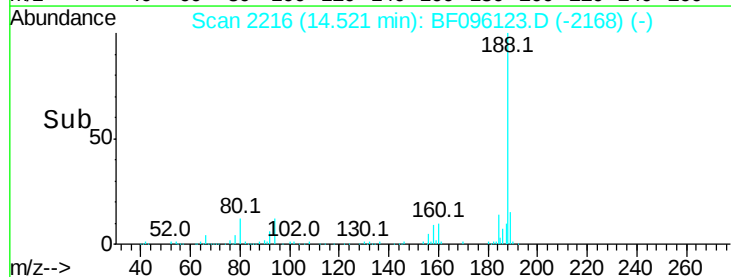
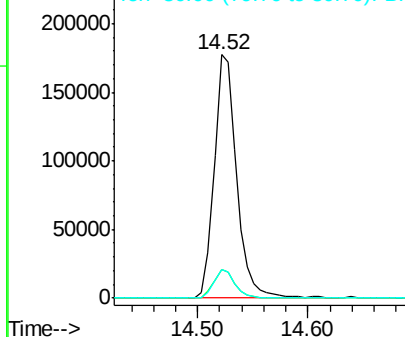


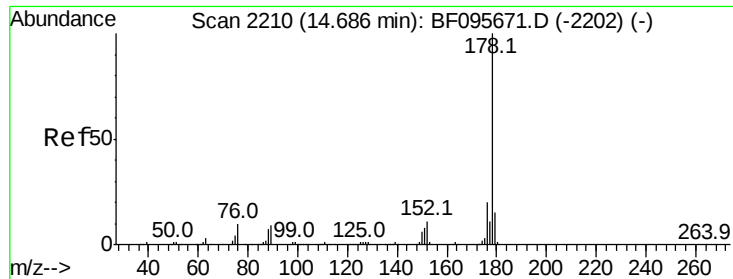
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.52 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion:188 Resp: 249045
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 11.7 10.2 15.2



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

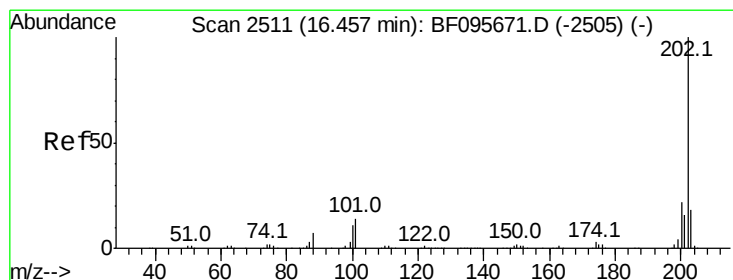
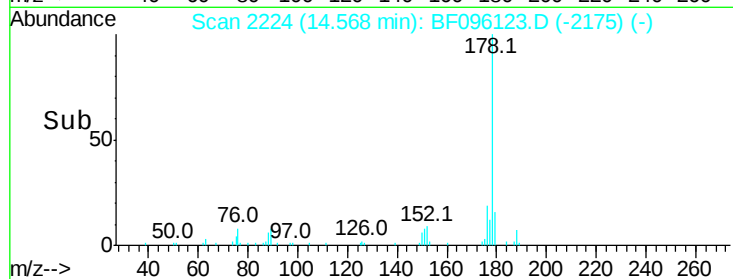
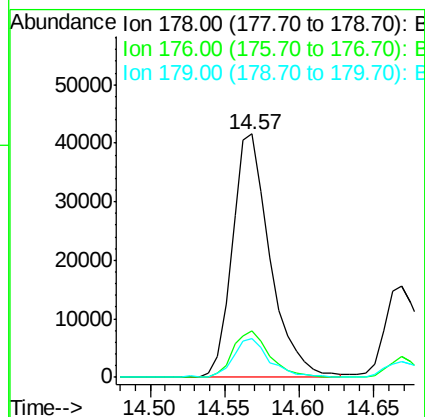
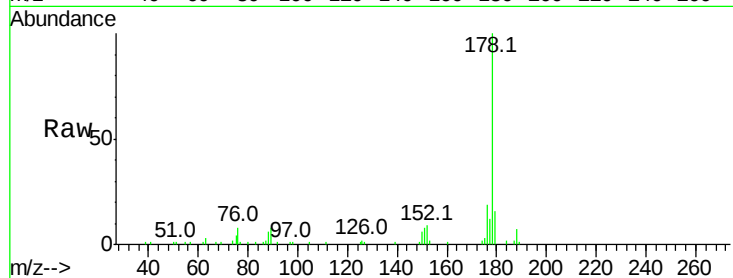




#70
Phenanthrene
Concen: 5.09 ng
RT: 14.57 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

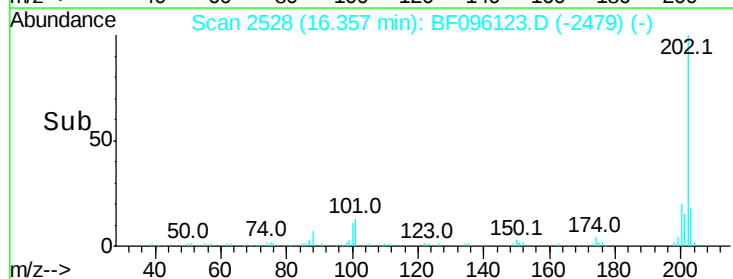
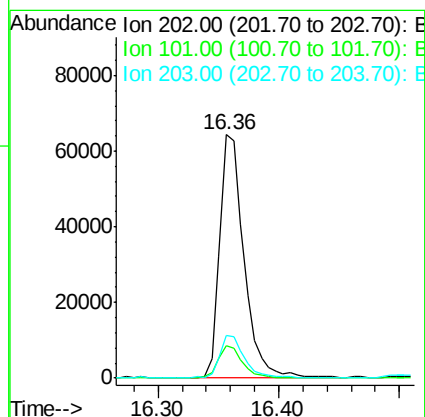
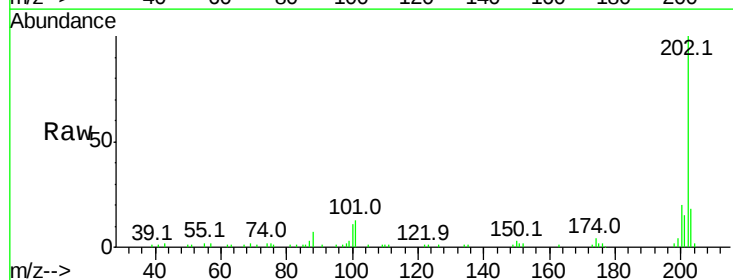
Instrument :
BNA_F
ClientSampleId :

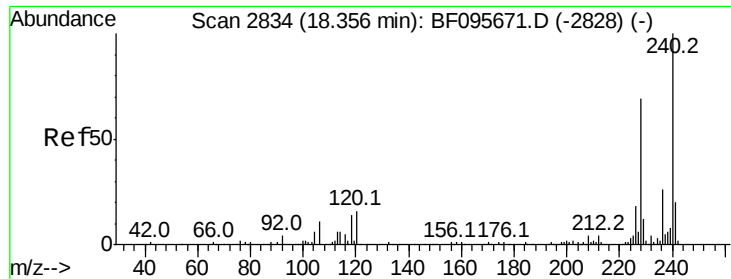
Tot Ion:178 Resp: 73126
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.9 12.6 19.0



#74
Fluoranthene
Concen: 6.28 ng
RT: 16.36 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion:202 Resp: 89291
Ion Ratio Lower Upper
202 100
101 13.2 0.0 33.2
203 17.6 0.0 38.1

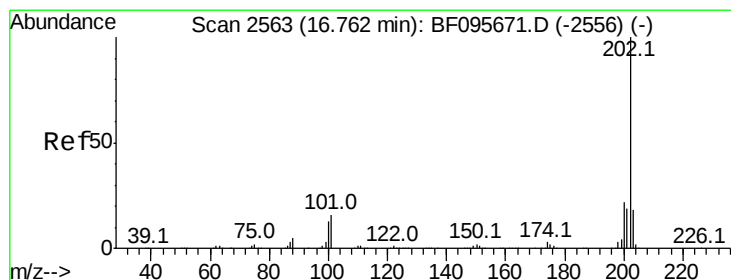
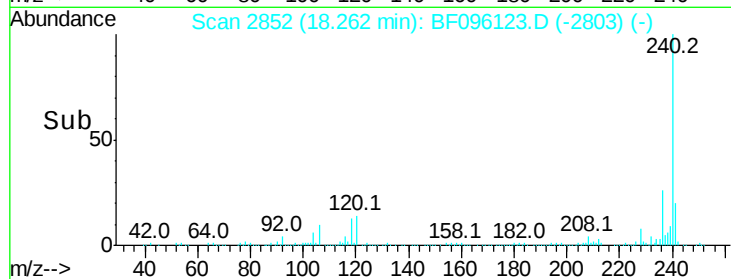
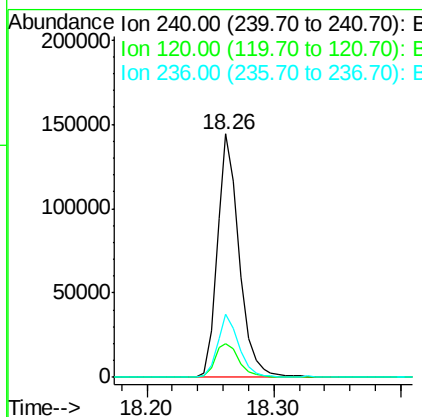
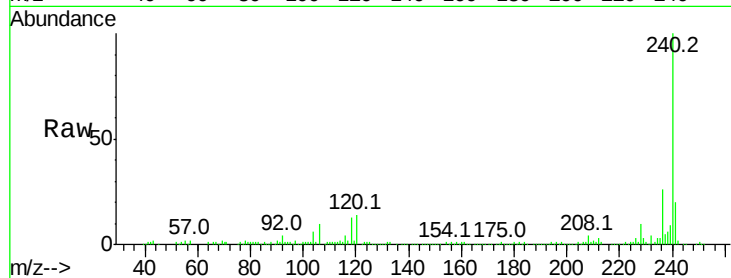




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.26 min Scan# 2852
Delta R.T. -0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

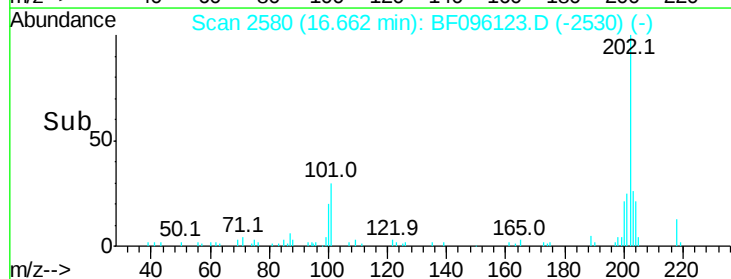
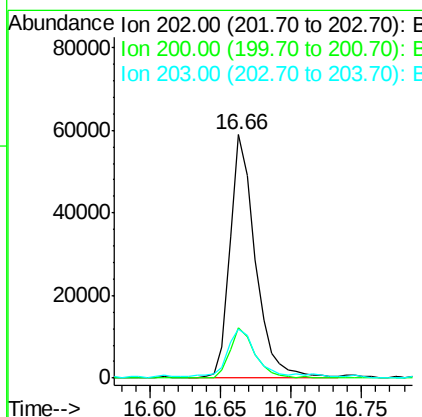
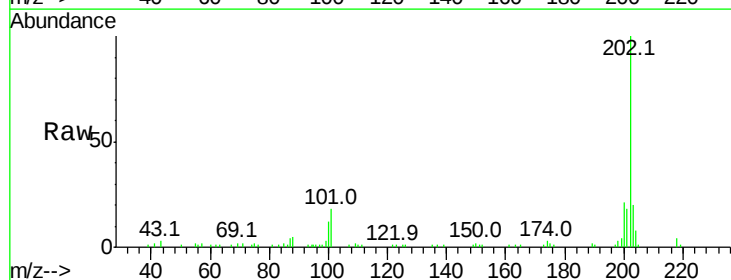
Instrument :
BNA_F
ClientSampleId :

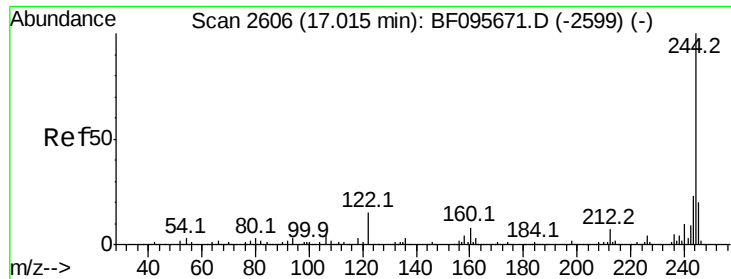
Tot Ion:240 Resp: 173452
Ion Ratio Lower Upper
240 100
120 14.0 5.8 8.8#
236 25.7 20.5 30.7



#77
Pyrene
Concen: 5.73 ng
RT: 16.66 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion:202 Resp: 74211
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 20.3 14.4 21.6

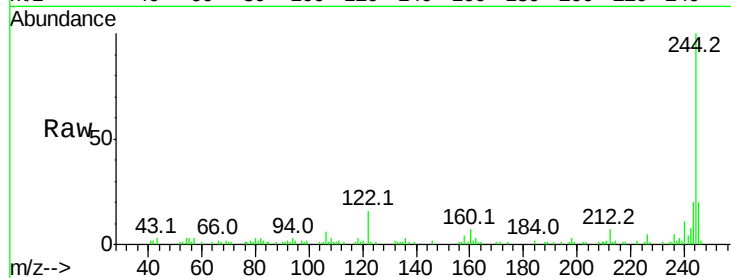




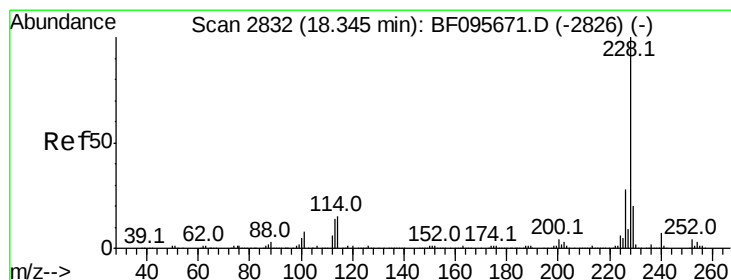
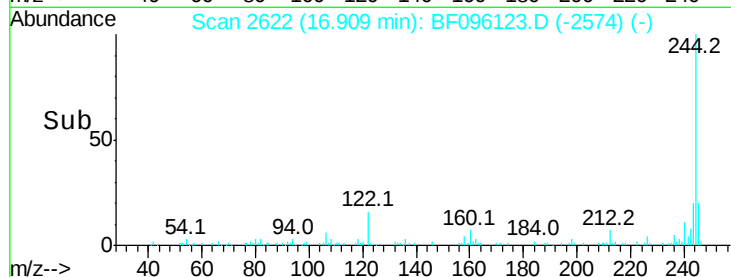
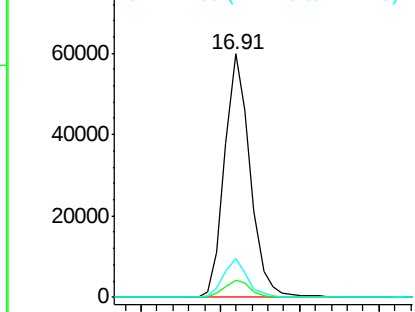
#78
 Terphenyl-d14
 Concen: 9.56 ng
 RT: 16.91 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF096123.D
 Acq: 22 Jun 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 66797
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.7 10.3 15.5#

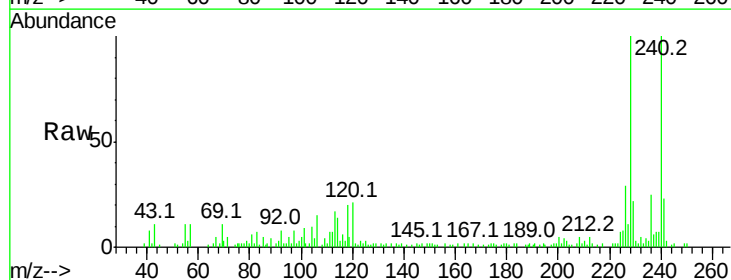


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

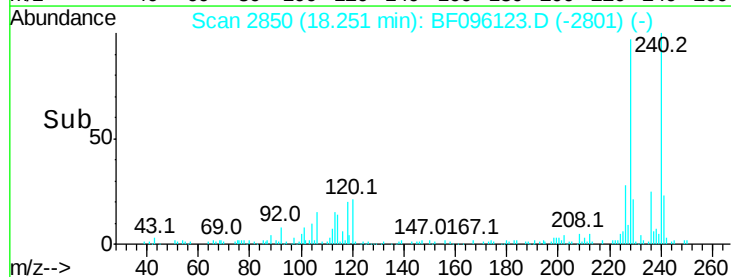
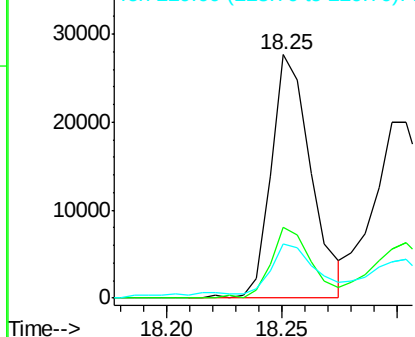


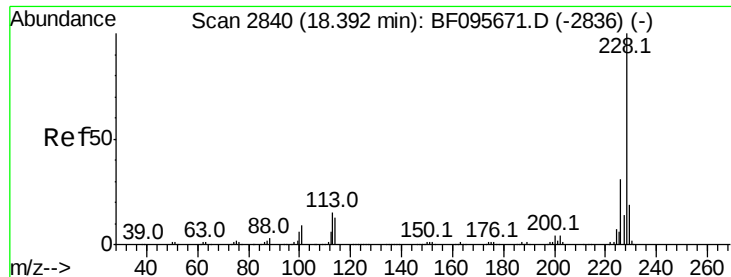
#80
 Benzo(a)anthracene
 Concen: 3.28 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF096123.D
 Acq: 22 Jun 2017 15:44

Tgt Ion:228 Resp: 33038
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 22.4 16.3 24.5



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

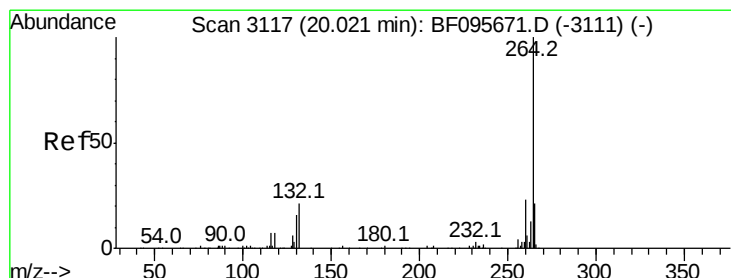
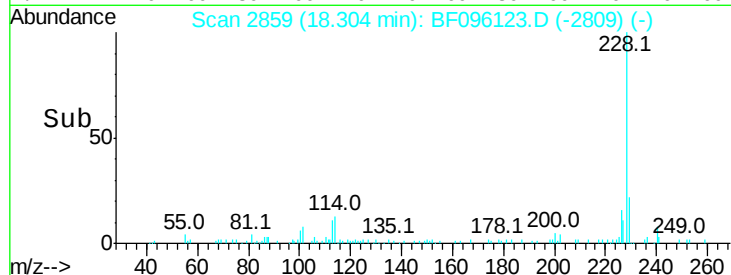
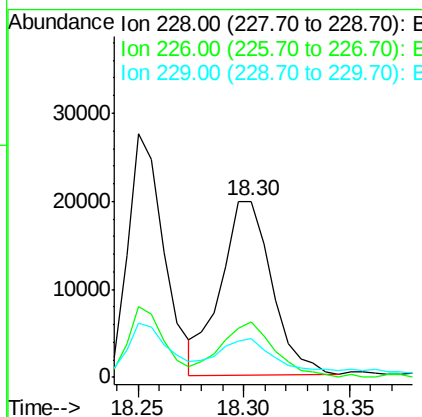
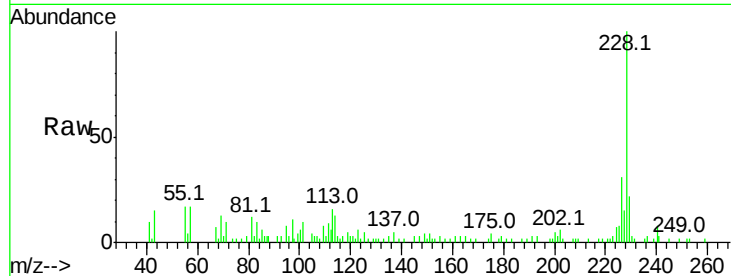




#82
Chrysene
Concen: 3.30 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

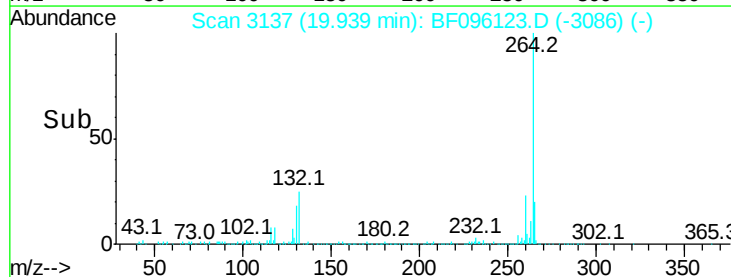
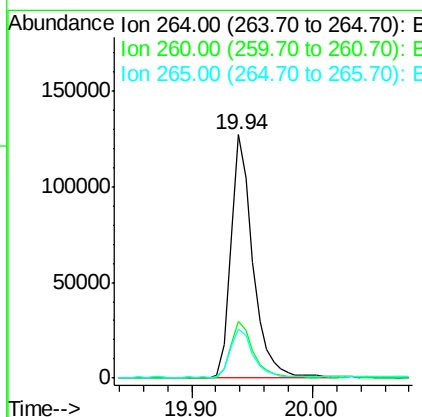
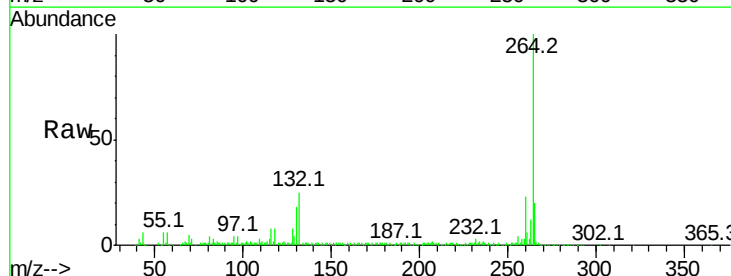
Instrument :
BNA_F
ClientSampleId :

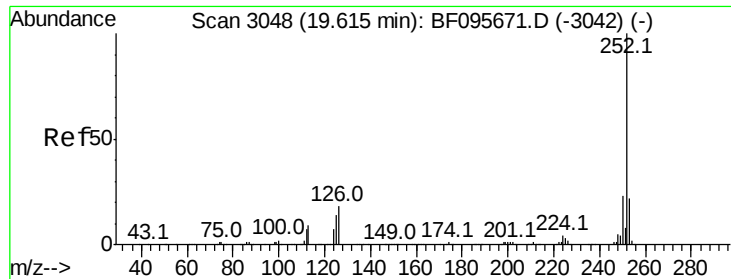
Tot Ion:228 Resp: 33227
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 21.7 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion:264 Resp: 161853
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.3 17.2 25.8

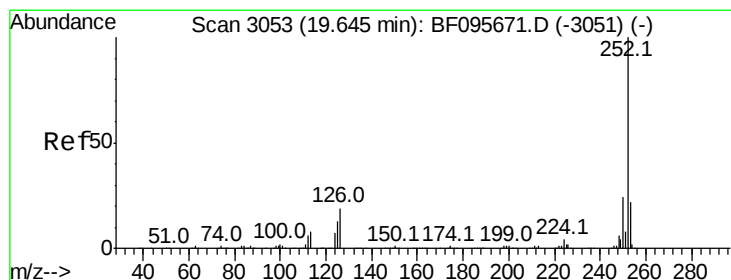
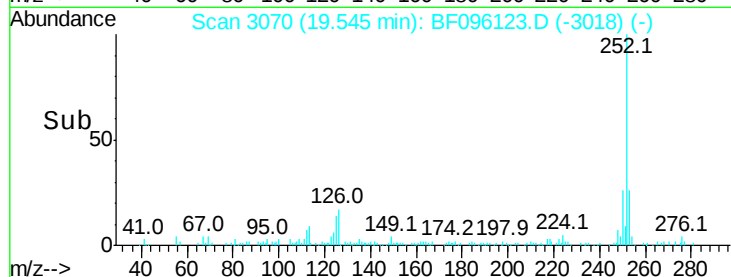
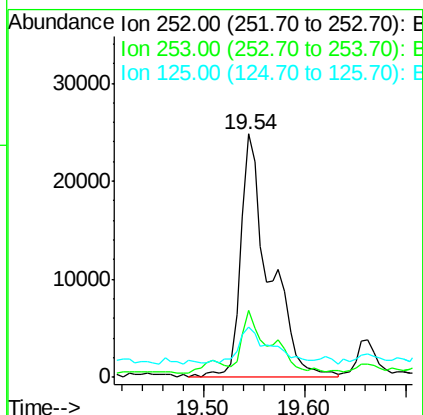
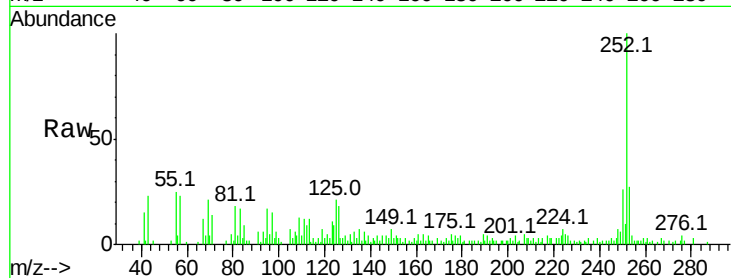




#87
Benzo(b)fluoranthene
Concen: 4.80 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

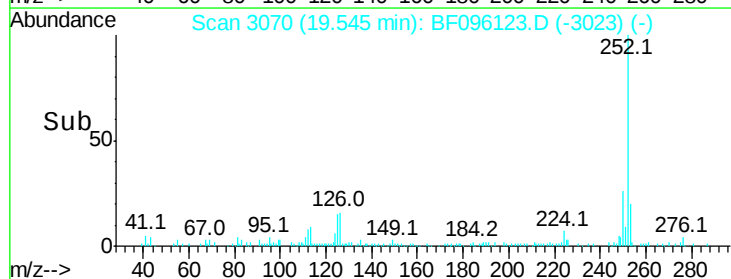
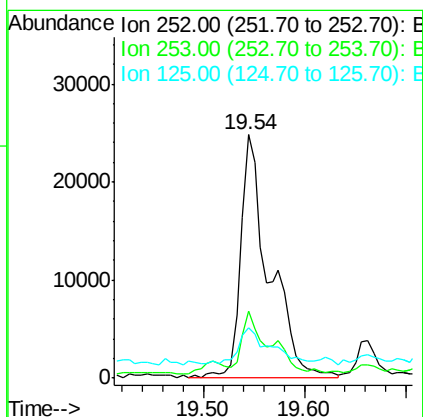
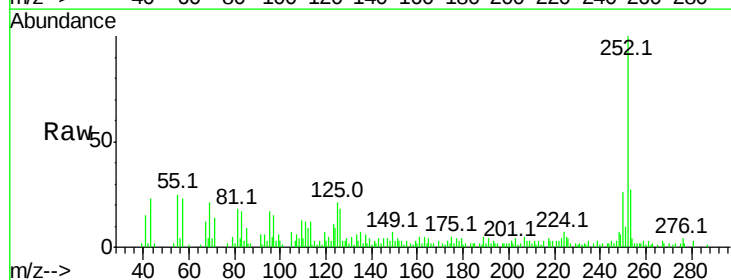
Instrument :
BNA_F
ClientSampleId :

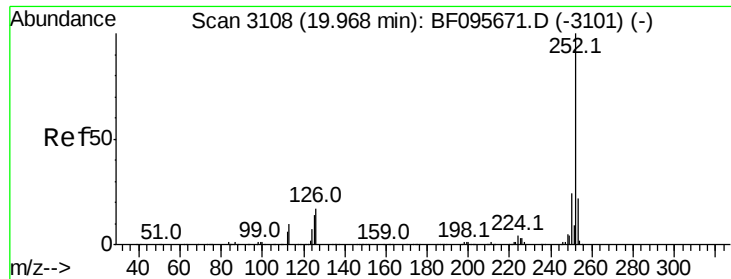
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.1	27.1#
125	20.7	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 5.02 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096123.D
Acq: 22 Jun 2017 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	20.7	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 2.43 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096123.D

Acq: 22 Jun 2017 15:44

Instrument :

BNA_F

ClientSampleId :

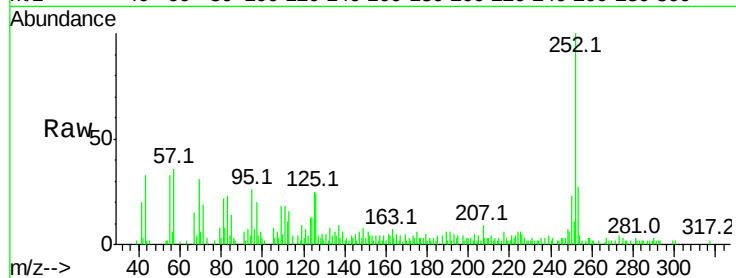
Tot Ion:252 Resp: 22621

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 25.1 11.0 16.4#



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

