

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096026.D
 Acq On : 20 Jun 2017 4:08
 Operator : SJ/MA
 Sample : I3688-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 07:16:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

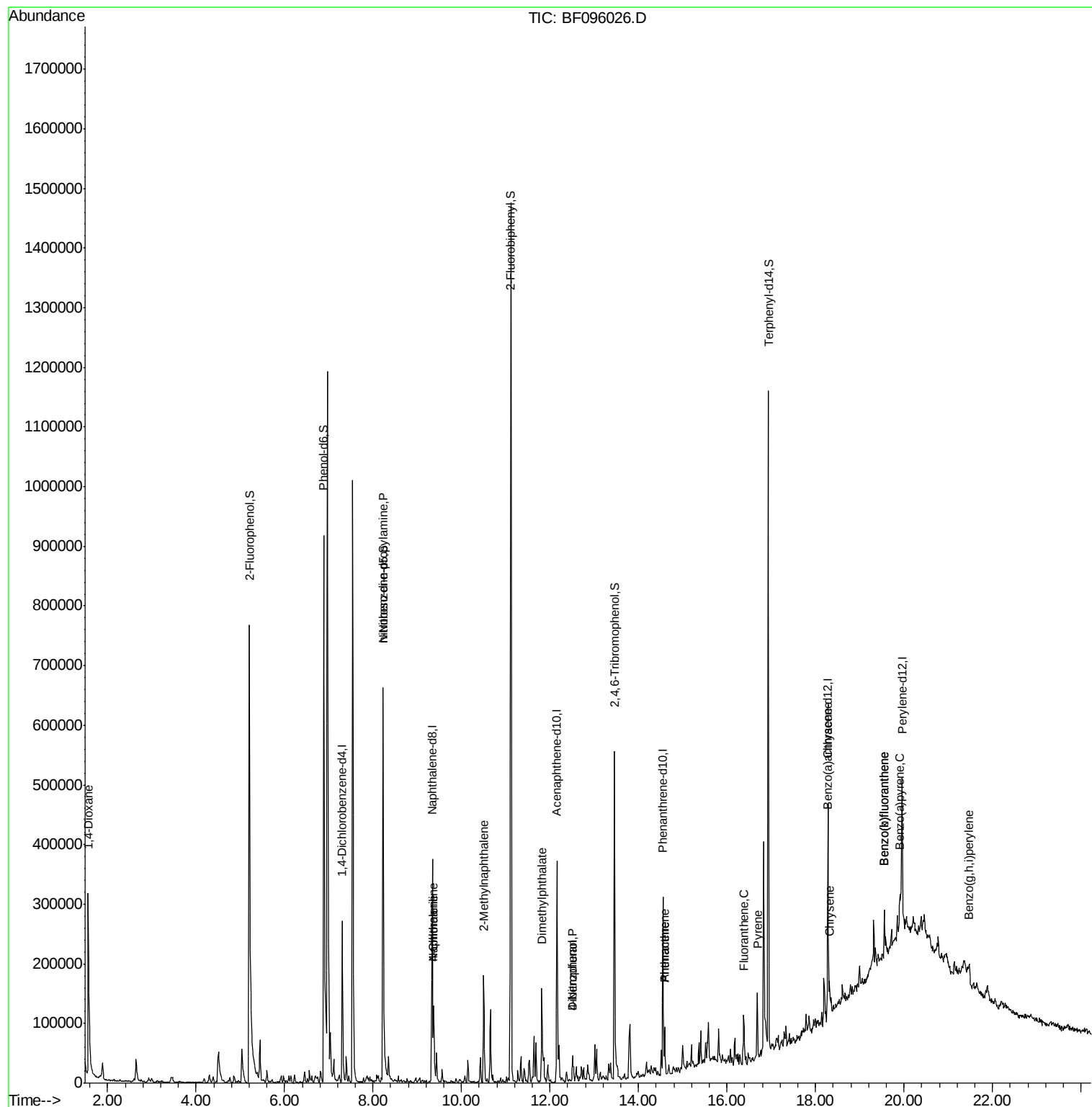
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	64599	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	254767	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	101188	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	146874	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	133291	20.00	ng	-0.02
86) Perylene-d12	19.96	264	96148	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	544000	134.19	ng	-0.01
7) Phenol-d6	6.89	99	638162	131.49	ng	-0.02
23) Nitrobenzene-d5	8.23	82	365799	89.17	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	88441	98.79	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	667887	91.85	ng	-0.02
78) Terphenyl-d14	16.93	244	399854	74.45	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	1.56	88	16731	8.68	ng	# 21
19) n-Nitroso-di-n-propylamine	8.23	70	45670	14.85	ng	# 74
31) Naphthalene	9.37	128	96807	7.57	ng	100
33) 4-Chloroaniline	9.37	127	12308	2.46	ng	# 33
37) 2-Methylnaphthalene	10.50	142	78650	9.10	ng	95
49) Dimethylphthalate	11.82	163	79397	10.33	ng	100
54) Dibenzofuran	12.51	168	20838	2.30	ng	96
55) 4-Nitrophenol	12.51	139	7832	11.10	ng	# 25
70) Phenanthrene	14.59	178	49361	5.82	ng	98
71) Anthracene	14.59	178	49361	5.58	ng	99
74) Fluoranthene	16.38	202	41182	4.91	ng	98
77) Pvrene	16.69	202	39189	3.94	ng	96
80) Benzo(a)anthracene	18.27	228	24297	3.14	ng	# 92
82) Chrysene	18.32	228	32412	4.19	ng	# 94
87) Benzo(b)fluoranthene	19.56	252	44894	7.46	ng	# 92
88) Benzo(k)fluoranthene	19.56	252	44894	7.80	ng	97
89) Benzo(a)pvrene	19.90	252	17326	3.13	ng	# 81
91) Benzo(g,h,i)perylene	21.47	276	12509	2.61	ng	# 85

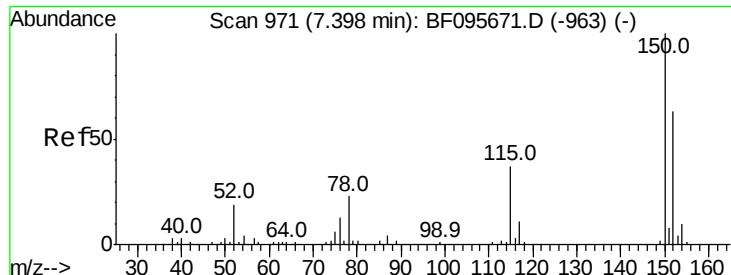
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

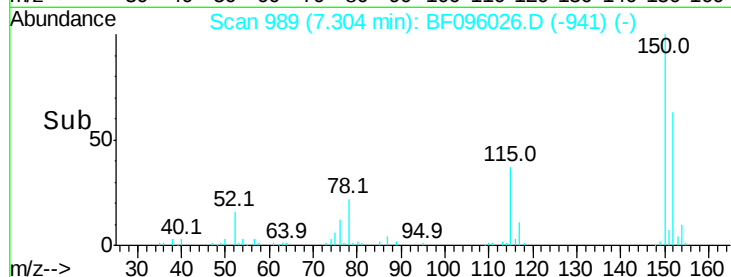
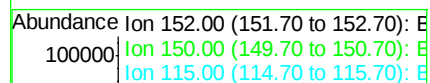
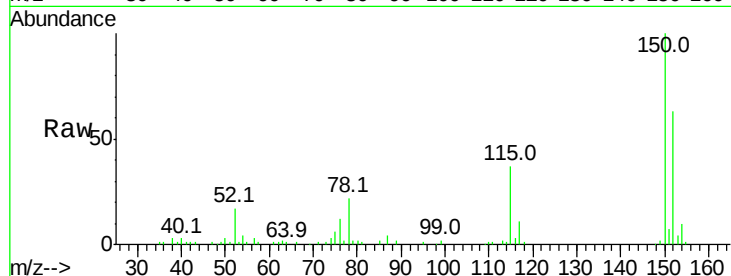
Tot Ion:152 Resp: 64599

Ion Ratio Lower Upper

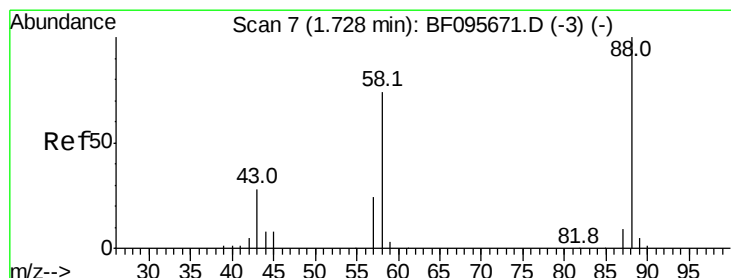
152 100

150 158.0 126.2 189.2

115 59.0 52.2 78.2



Time-->



#2

1,4-Dioxane

Concen: 8.68 ng

RT: 1.56 min Scan# 13

Delta R.T. -0.07 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

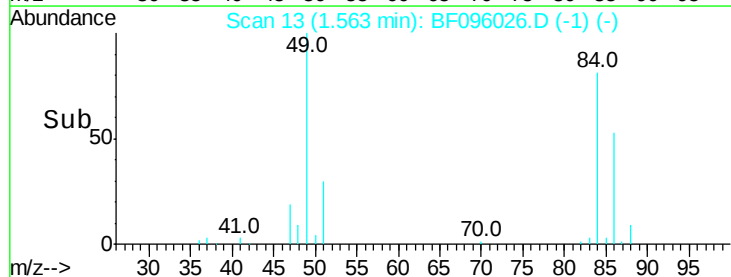
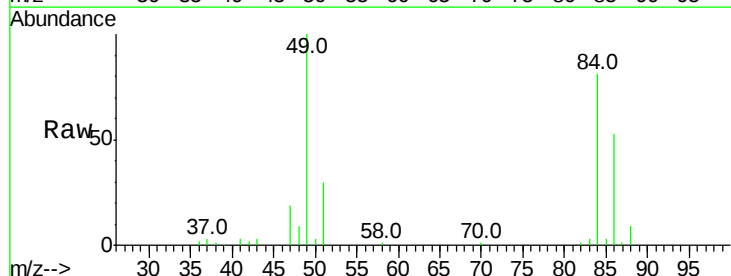
Tgt Ion: 88 Resp: 16731

Ion Ratio Lower Upper

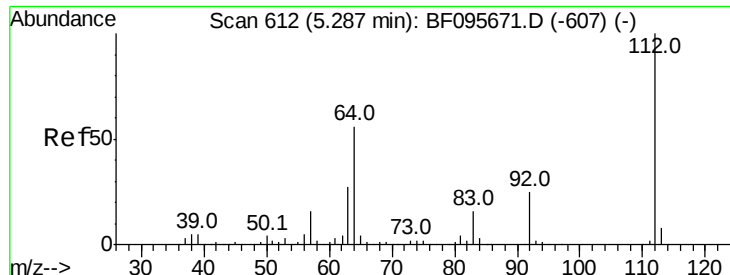
88 100

58 0.0 61.4 92.0#

43 0.0 23.4 35.0#



Time-->



#5

2-Fluorophenol

Concen: 134.19 ng

RT: 5.20 min Scan# 632

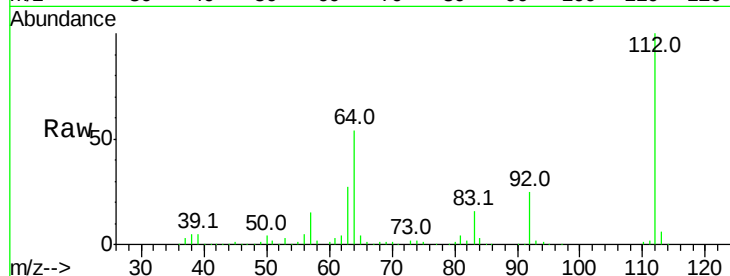
Delta R.T. -0.01 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :
BNA_F
ClientSampleId :

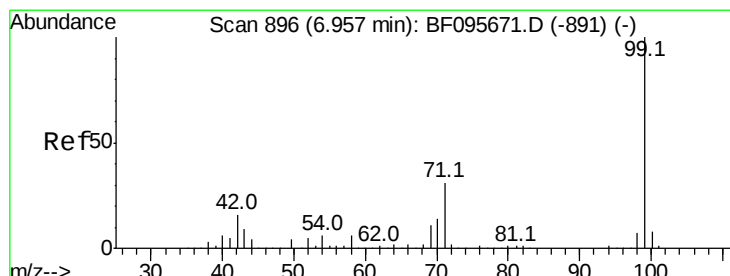
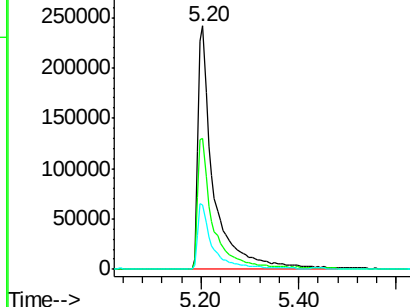
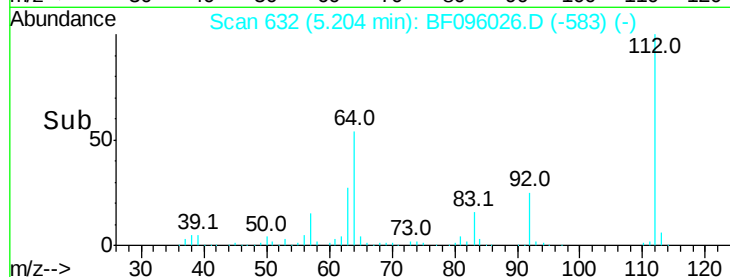
Tot Ion:	112	Resp:	544000
Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.0	69.0
63	26.6	23.4	35.0



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: 131.49 ng

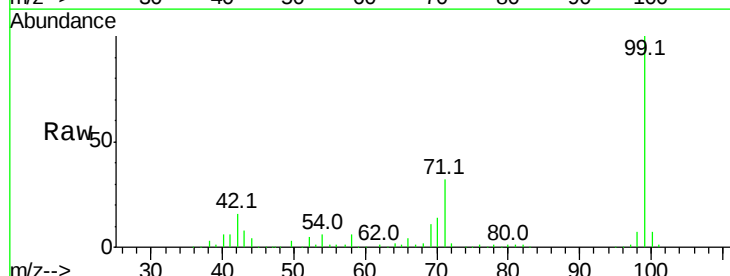
RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

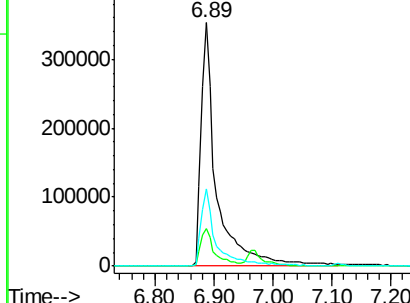
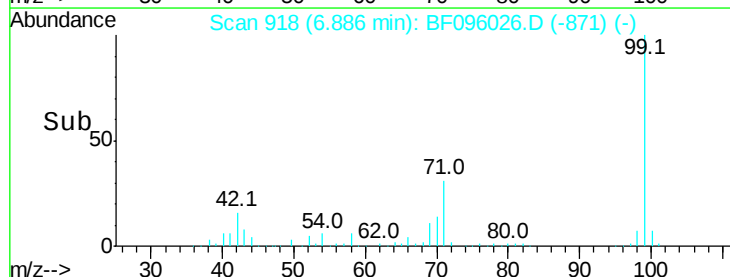
Tgt Ion:	99	Resp:	638162
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	31.6	24.5	36.7

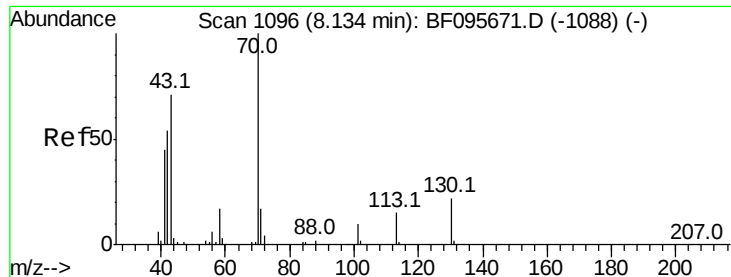


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.85 ng

RT: 8.23 min Scan# 1146

Delta R.T. 0.16 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 45670

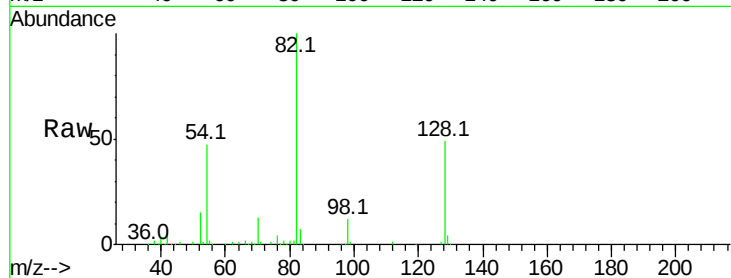
Ion Ratio Lower Upper

70 100

42 42.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

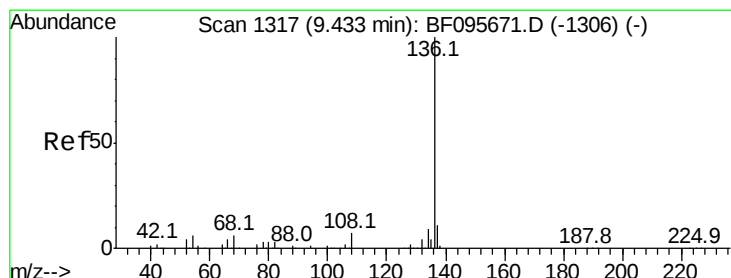
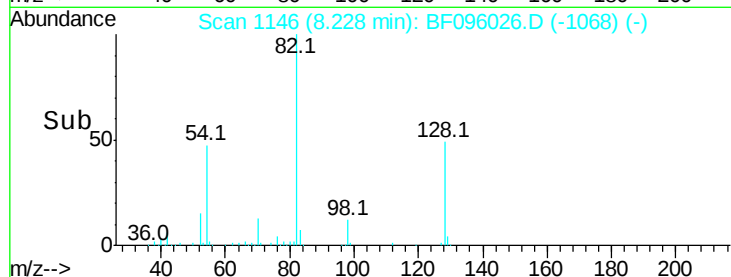
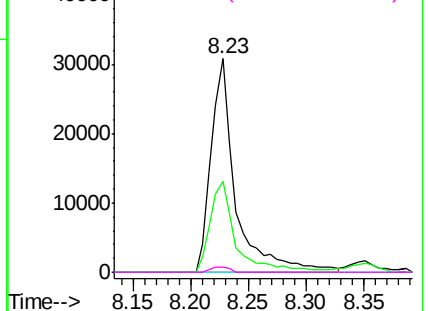


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.34 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Tgt Ion:136 Resp: 254767

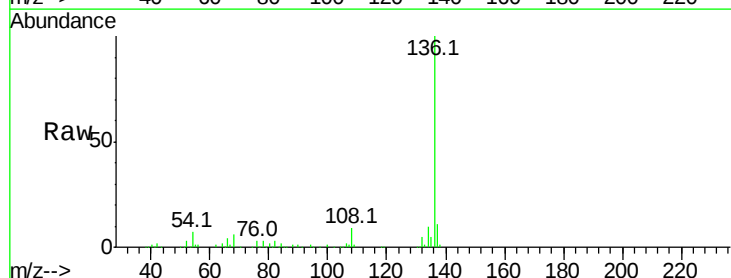
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.8 4.9 7.3

68 5.8 4.1 6.1

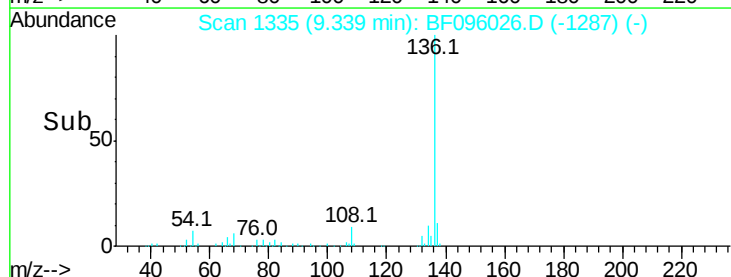
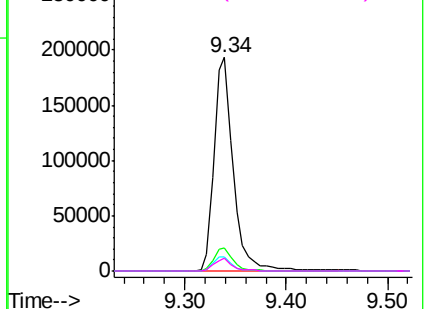


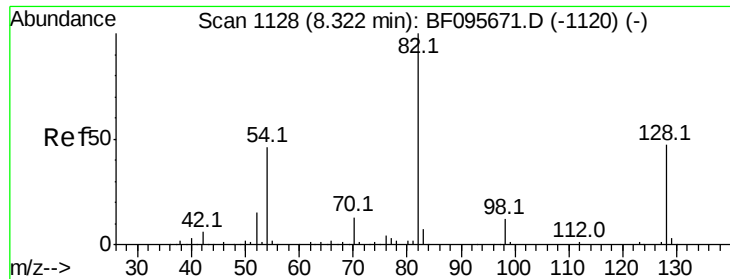
Abundance Ion 136.00 (135.70 to 136.70): E

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

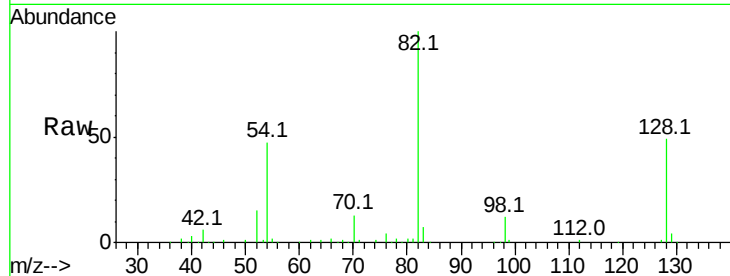




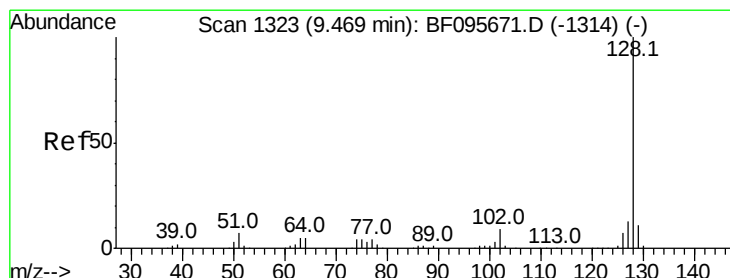
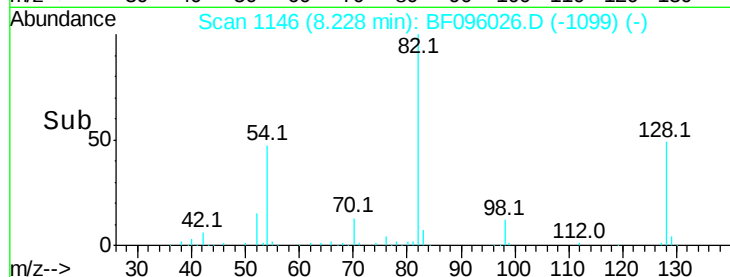
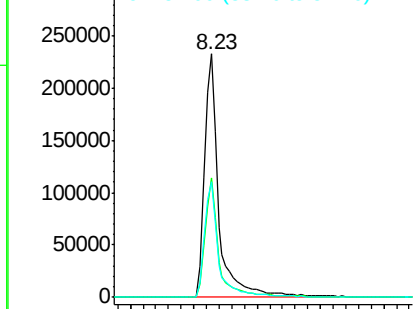
#23
 Nitrobenzene-d5
 Concen: 89.17 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF096026.D
 Acq: 20 Jun 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	365799
Ion Ratio	Lower	Upper	
82	100		
128	48.9	34.0	51.0
54	47.3	42.2	63.2

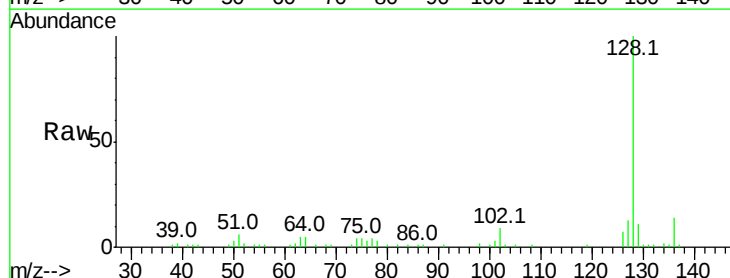


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

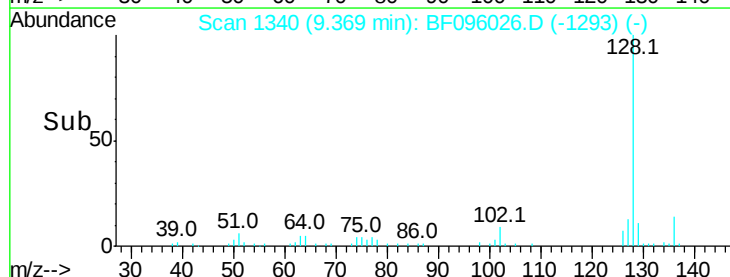
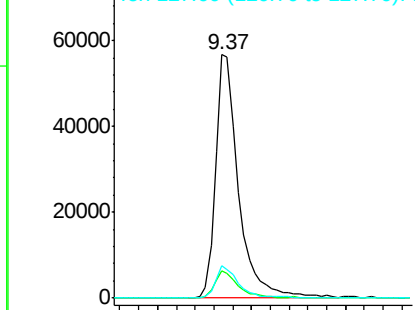


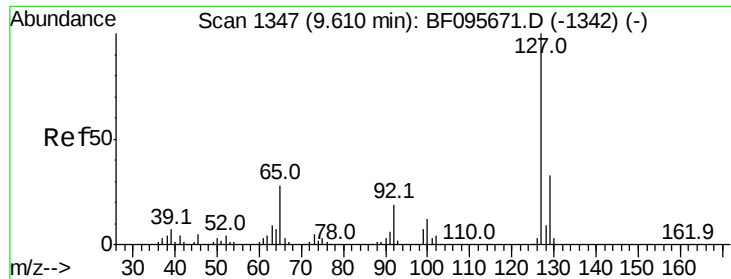
#31
 Naphthalene
 Concen: 7.57 ng
 RT: 9.37 min Scan# 1340
 Delta R.T. -0.02 min
 Lab File: BF096026.D
 Acq: 20 Jun 2017 4:08

Tgt Ion	128	Resp	96807
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2



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

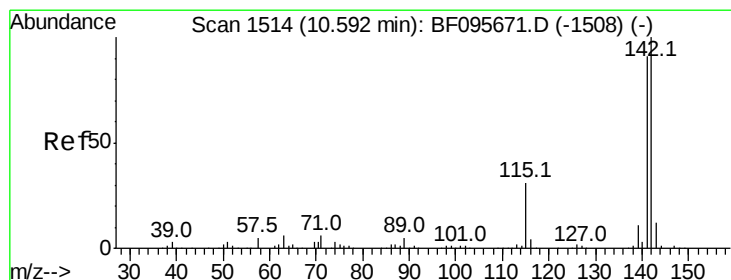
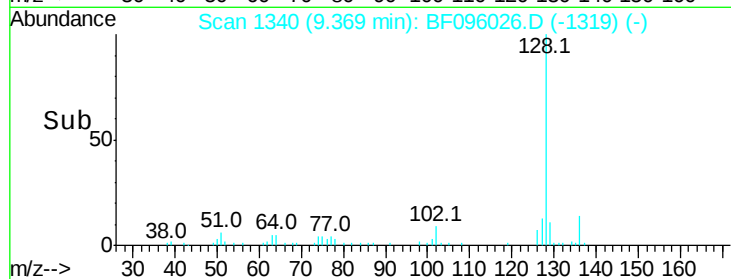
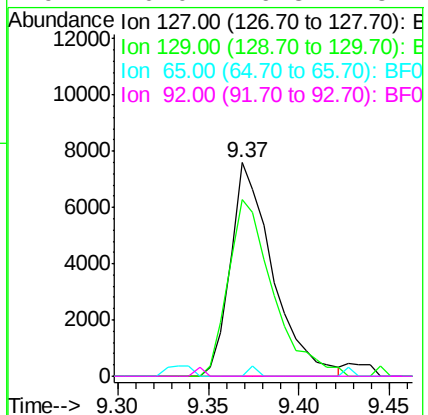
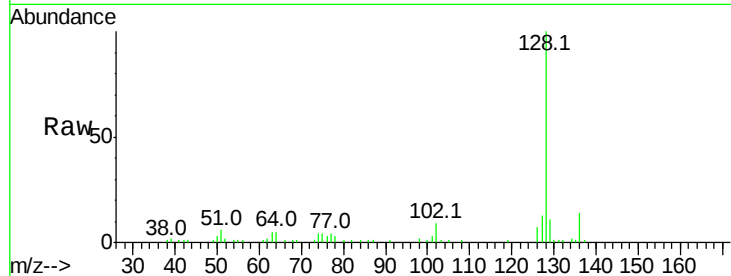




#33
4-Chloroaniline
Concen: 2.46 ng
RT: 9.37 min Scan# 1340
Delta R.T. -0.18 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

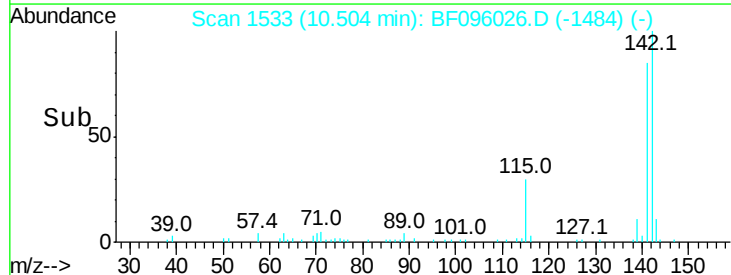
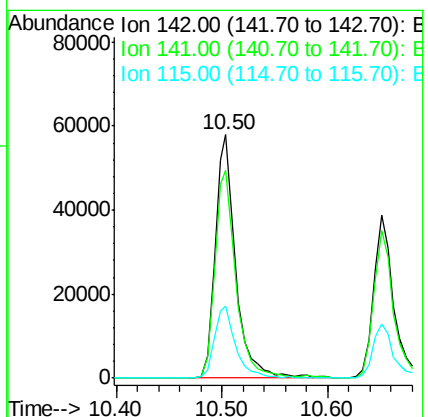
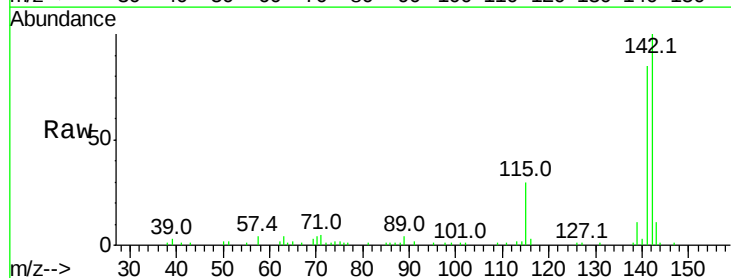
Instrument :
BNA_F
ClientSampleId :

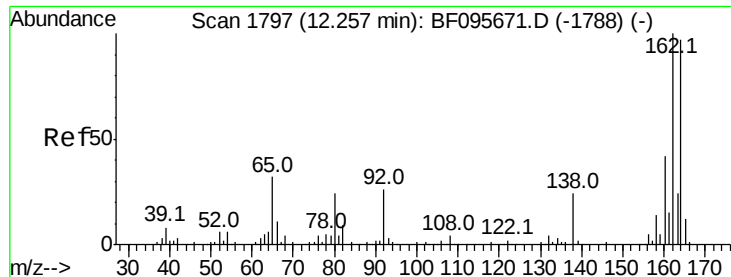
Tot Ion:	127	Resp:	12308
Ion	Ratio	Lower	Upper
127	100		
129	82.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 9.10 ng
RT: 10.50 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

Tgt Ion:	142	Resp:	78650
Ion	Ratio	Lower	Upper
142	100		
141	85.4	71.3	106.9
115	29.8	27.1	40.7

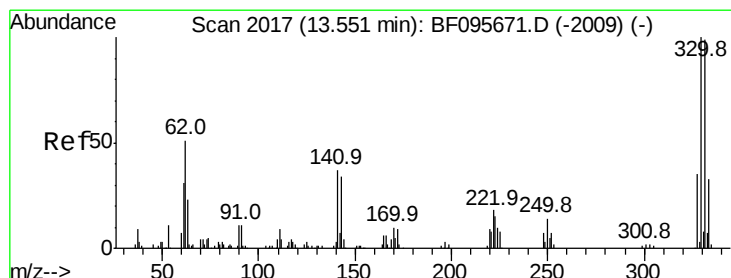
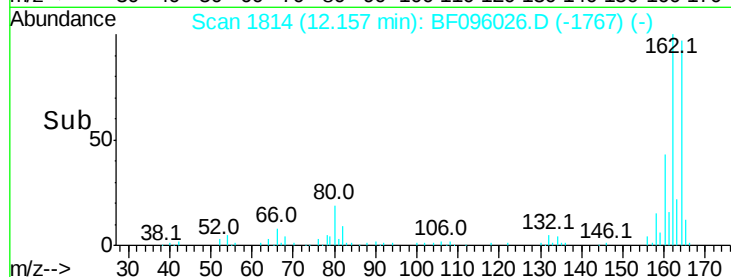
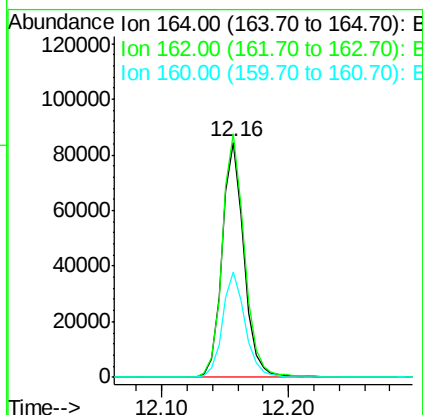
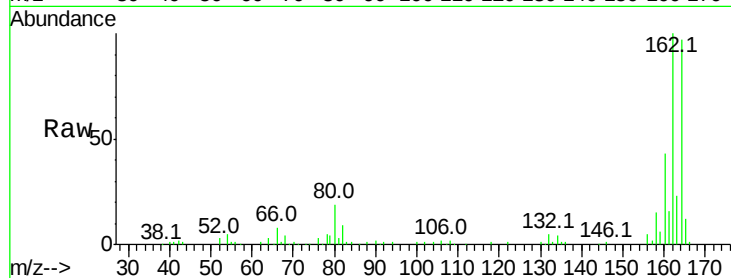




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

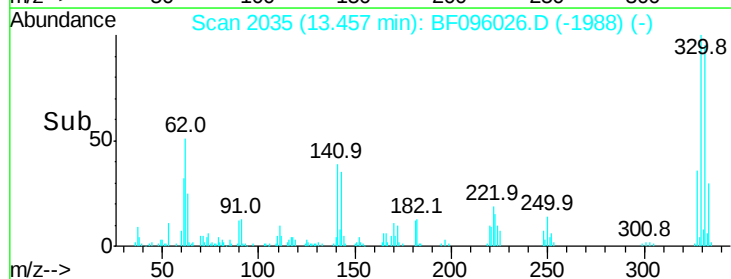
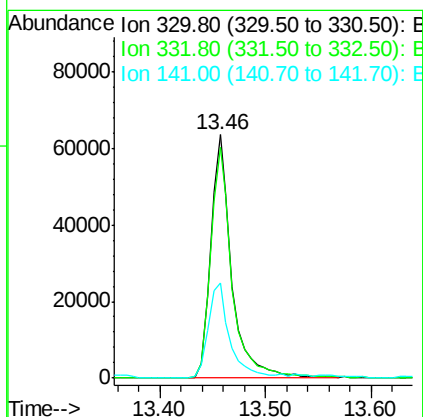
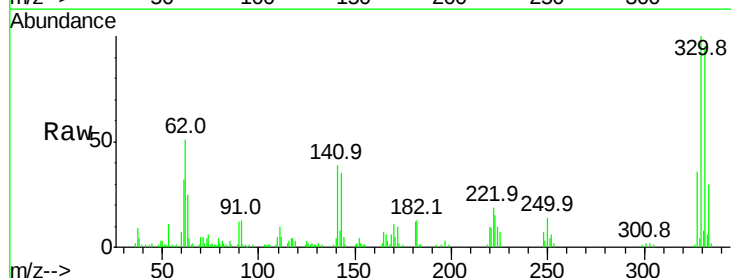
Instrument :
BNA_F
ClientSampleId :

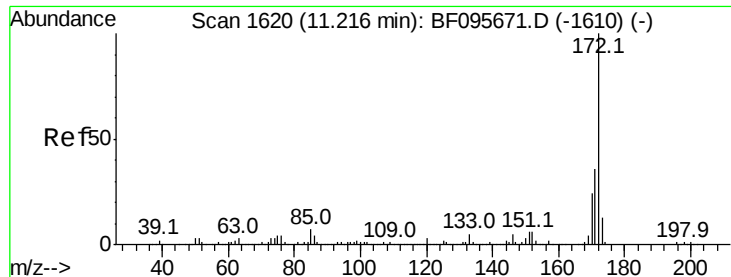
Tot Ion:164 Resp: 101188
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 44.6 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 98.79 ng
RT: 13.46 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

Tgt Ion:330 Resp: 88441
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 40.9 31.4 47.2

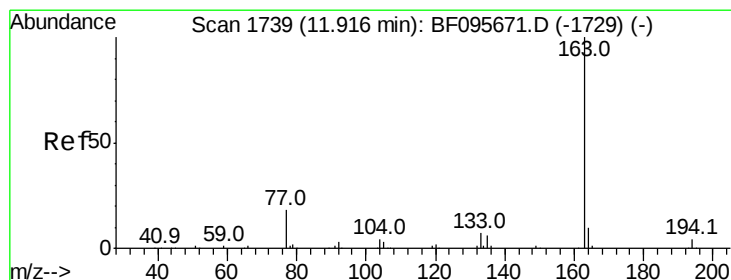
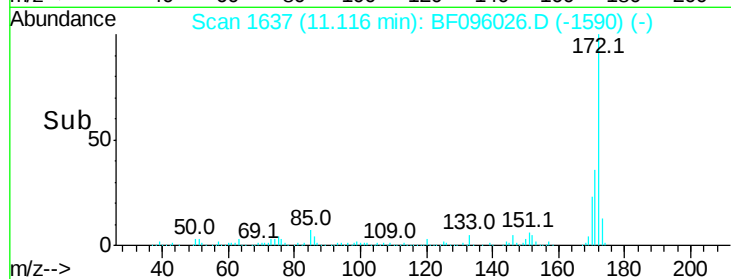
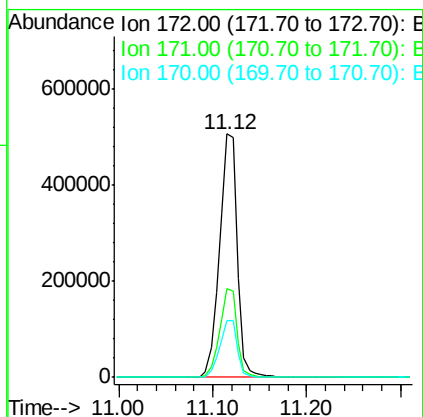
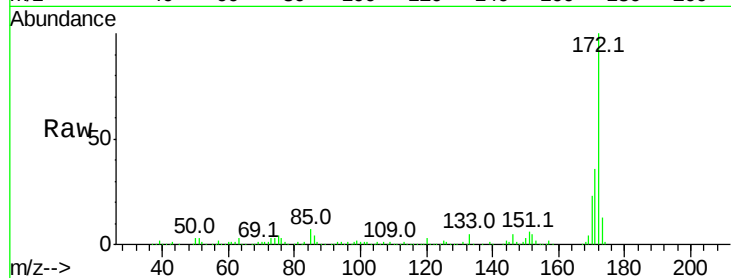




#44
2-Fluorobiphenyl
Concen: 91.85 ng
RT: 11.12 min Scan# 1637
Delta R.T. -0.02 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

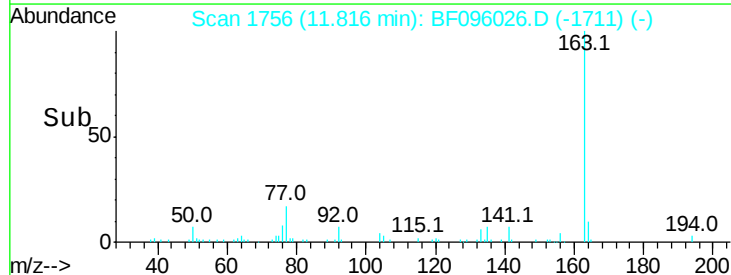
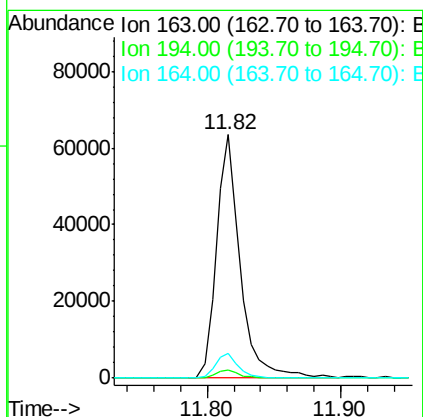
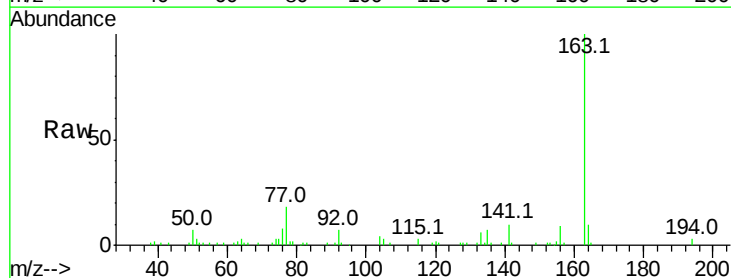
Instrument :
BNA_F
ClientSampleId :

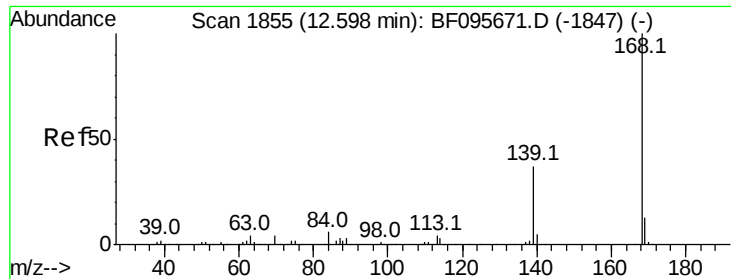
Tot Ion:172 Resp: 667887
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.4 19.8 29.8



#49
Dimethylphthalate
Concen: 10.33 ng
RT: 11.82 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

Tgt Ion:163 Resp: 79397
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.3 8.4 12.6





#54

Dibenzofuran

Concen: 2.30 ng

RT: 12.51 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

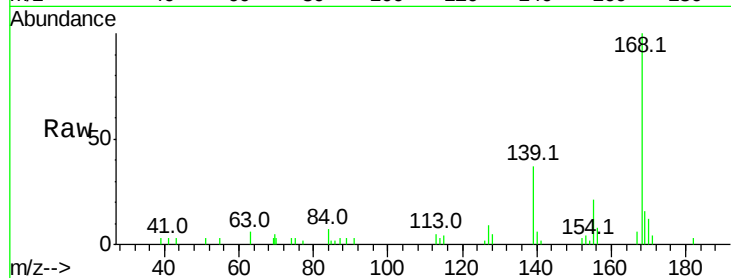
Tot Ion:168 Resp: 20838

Ion Ratio Lower Upper

168 100

139 36.7 30.6 45.8

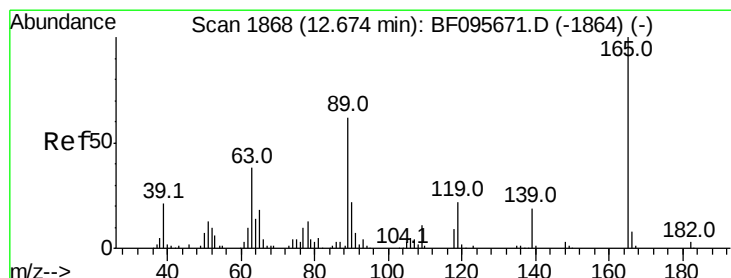
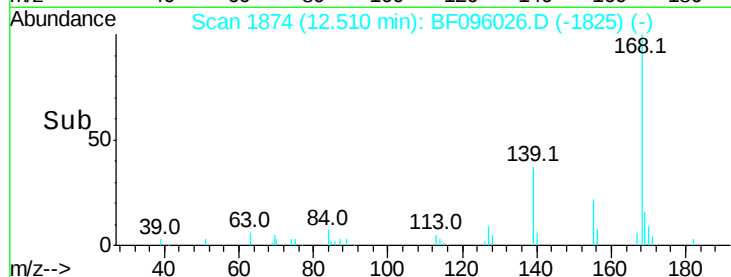
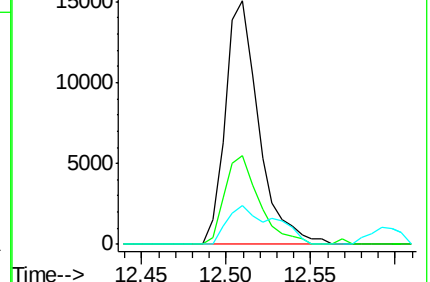
169 16.1 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 11.10 ng

RT: 12.51 min Scan# 1874

Delta R.T. -0.14 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

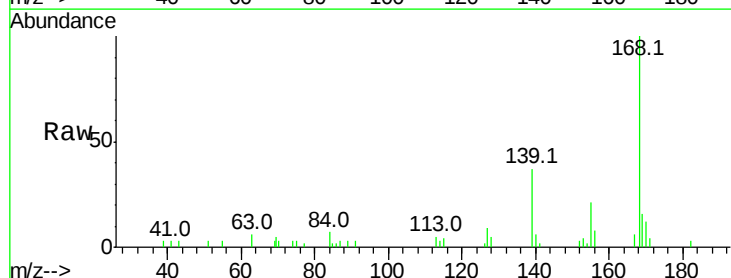
Tgt Ion:139 Resp: 7832

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

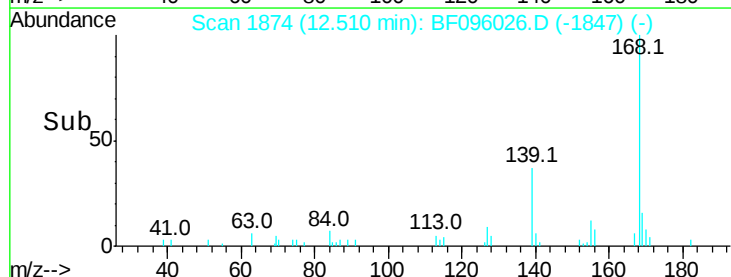
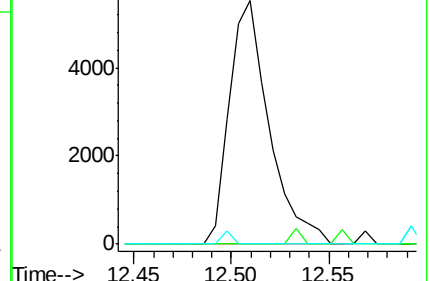
65 0.0 31.4 71.4#

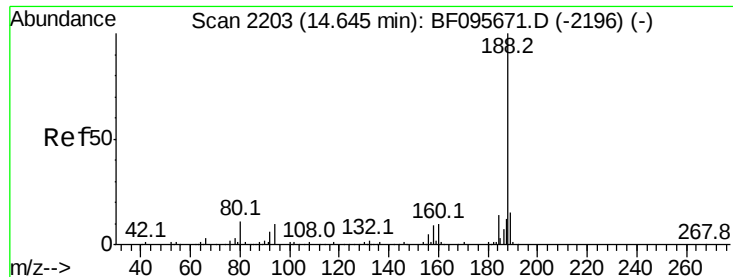


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

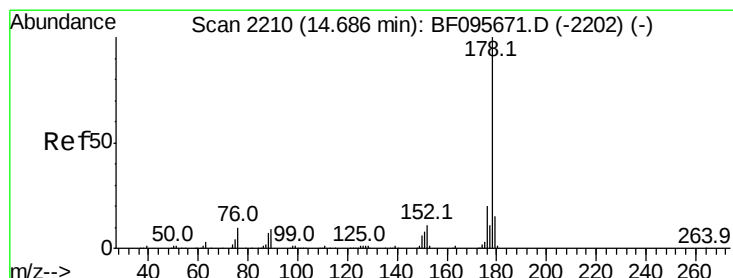
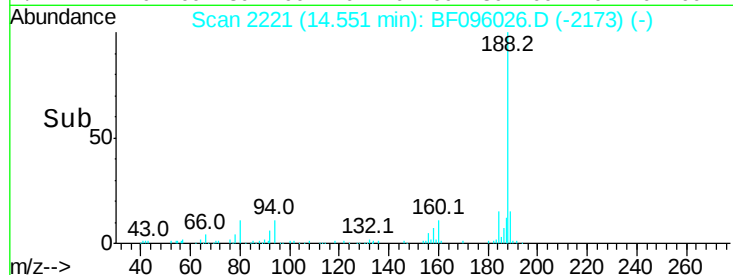
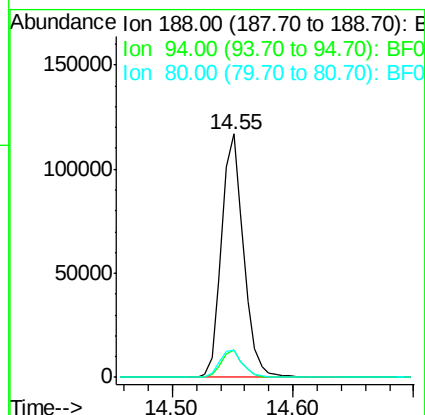
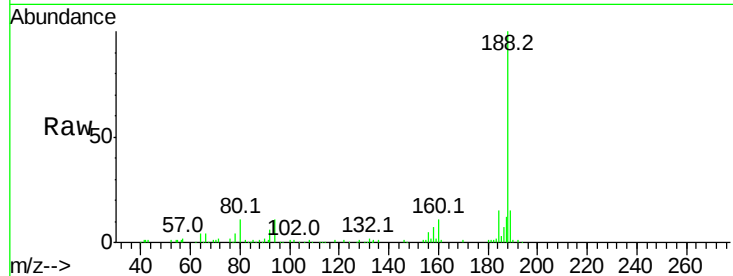




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

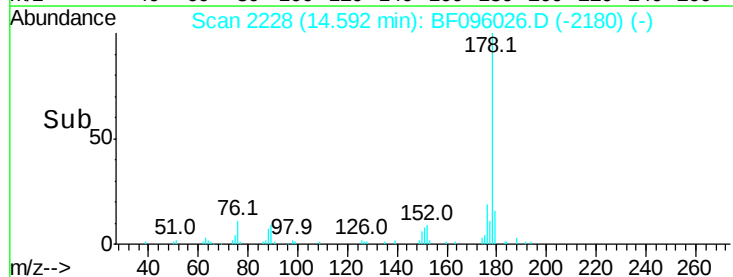
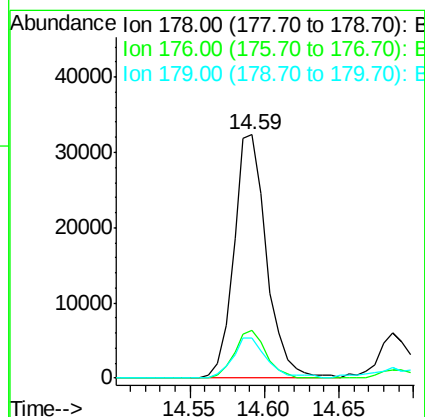
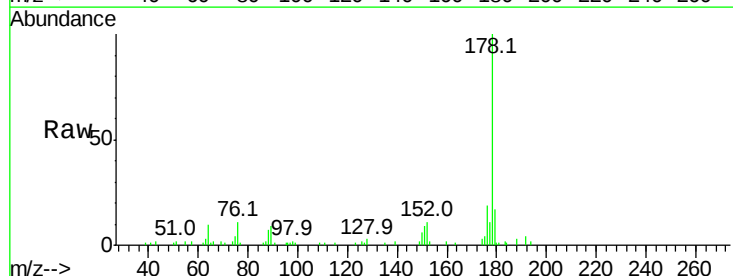
Instrument :
BNA_F
ClientSampleId :

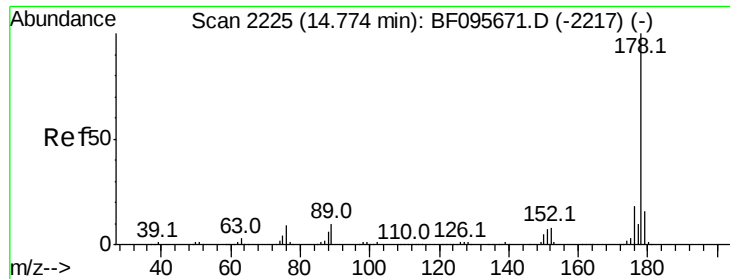
Tot Ion:188 Resp: 146874
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.4 10.2 15.2



#70
Phenanthrene
Concen: 5.82 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

Tgt Ion:178 Resp: 49361
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 16.7 12.6 19.0

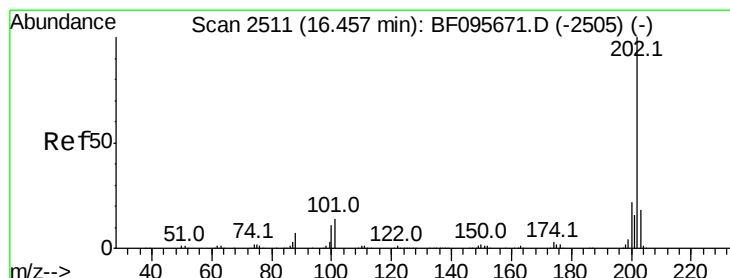
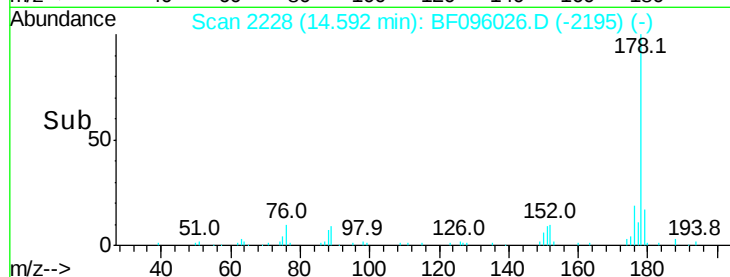
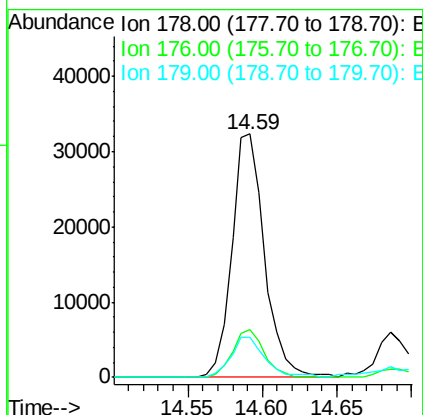
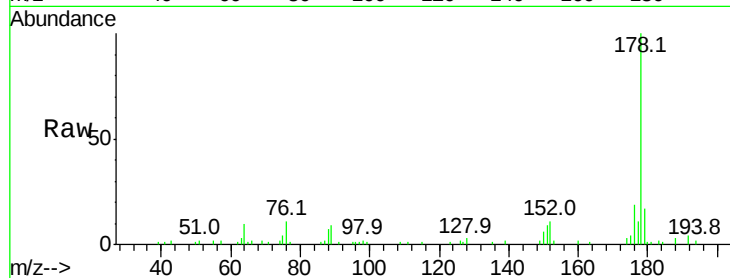




#71
 Anthracene
 Concen: 5.58 ng
 RT: 14.59 min Scan# 2228
 Delta R.T. -0.11 min
 Lab File: BF096026.D
 Acq: 20 Jun 2017 4:08

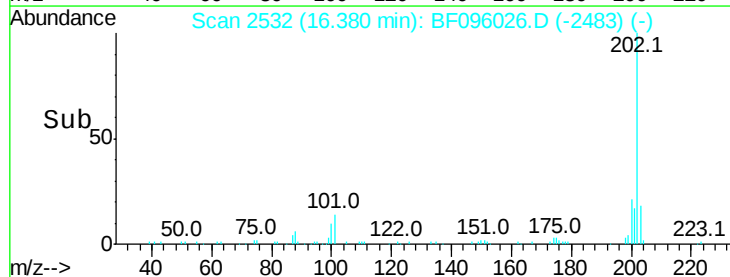
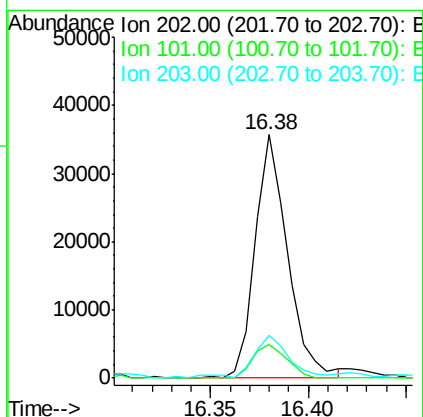
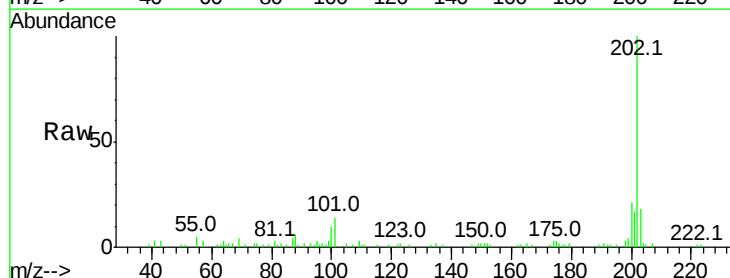
Instrument :
 BNA_F
 ClientSampleId :

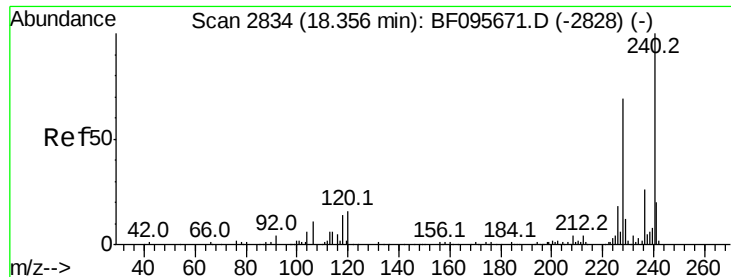
Tot Ion:178 Resp: 49361
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 16.7 12.7 19.1



#74
 Fluoranthene
 Concen: 4.91 ng
 RT: 16.38 min Scan# 2532
 Delta R.T. -0.01 min
 Lab File: BF096026.D
 Acq: 20 Jun 2017 4:08

Tgt Ion:202 Resp: 41182
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 33.2
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.28 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

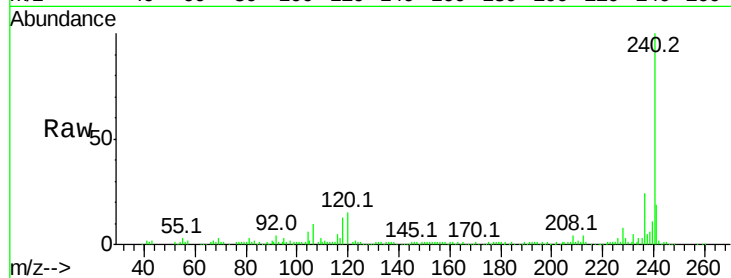
Tot Ion:240 Resp: 133291

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

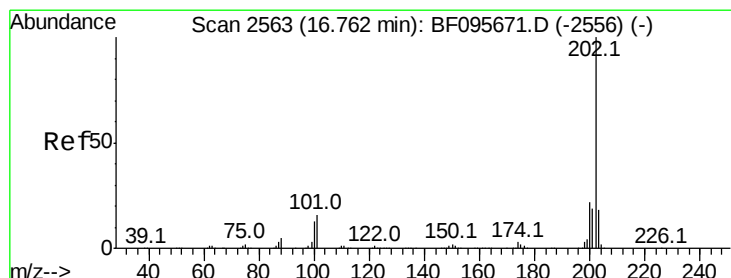
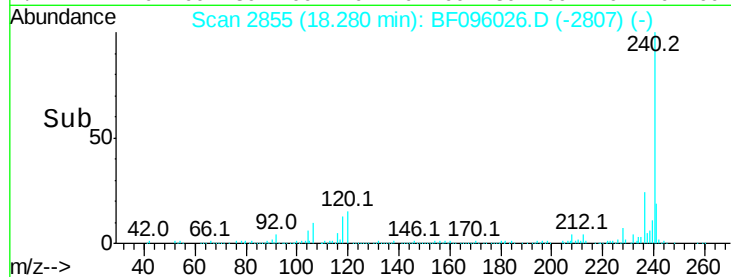
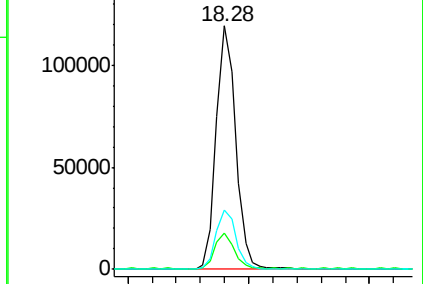
236 24.4 20.5 30.7



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: 3.94 ng

RT: 16.69 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

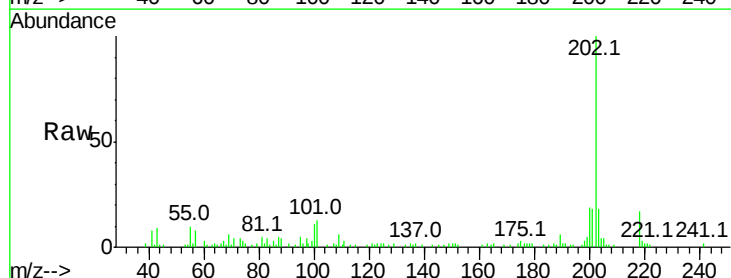
Tgt Ion:202 Resp: 39189

Ion Ratio Lower Upper

202 100

200 18.7 17.6 26.4

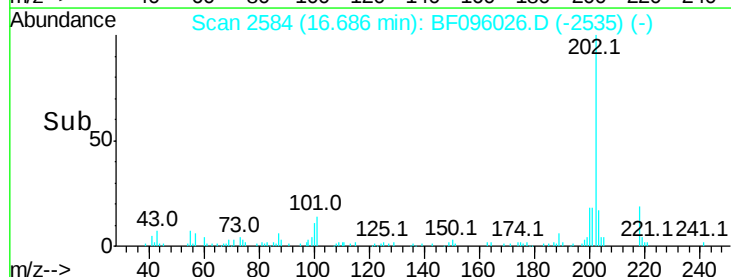
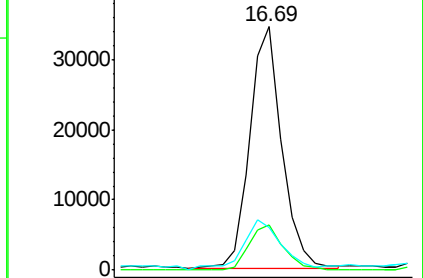
203 17.8 14.4 21.6

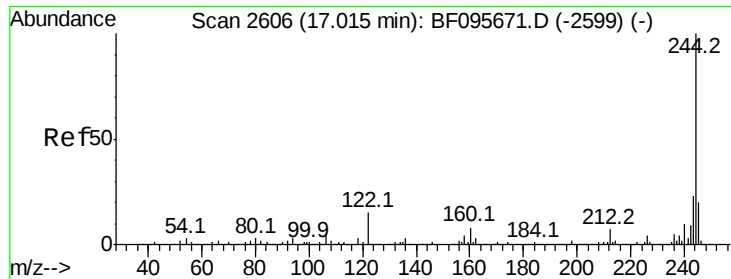


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.45 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

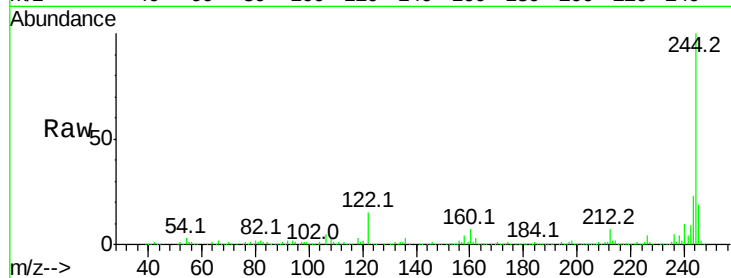
Tot Ion:244 Resp: 399854

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

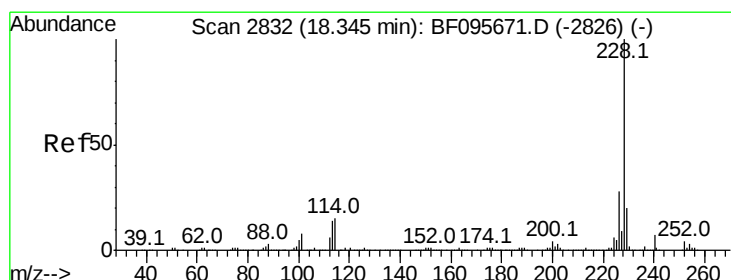
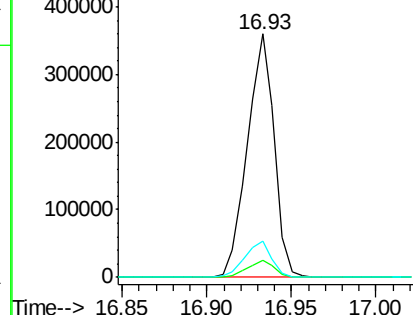
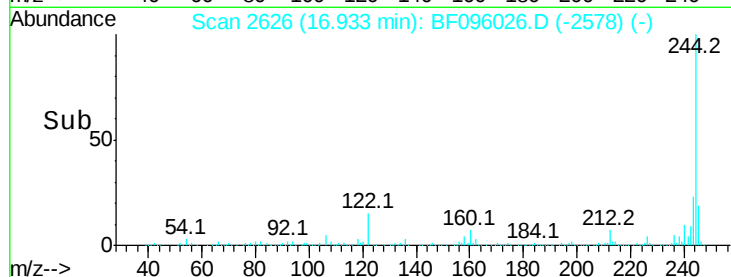
122 15.1 10.3 15.5



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: 3.14 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

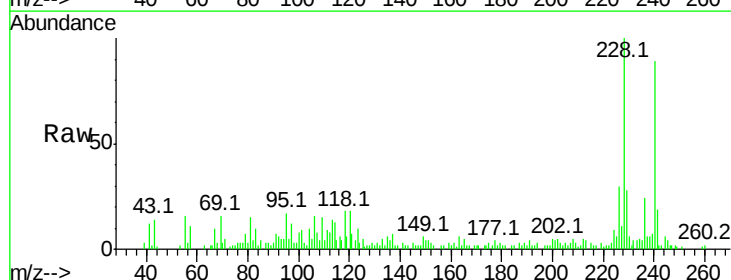
Tgt Ion:228 Resp: 24297

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

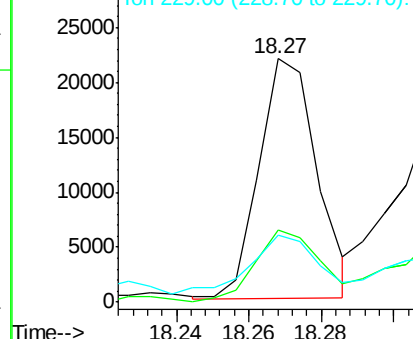
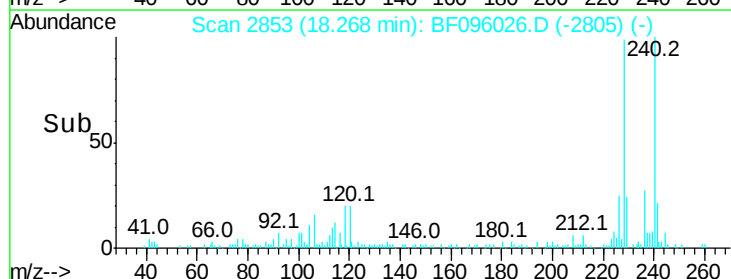
229 27.5 16.3 24.5#

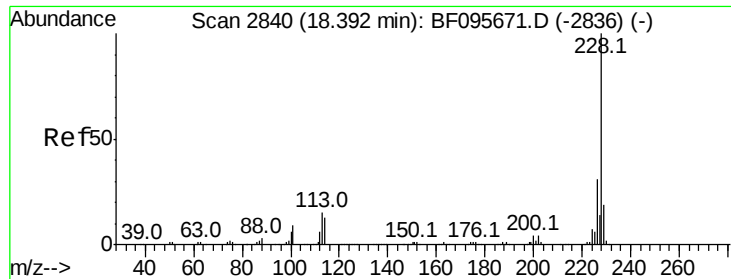


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.19 ng

RT: 18.32 min Scan# 2861

Delta R.T. -0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

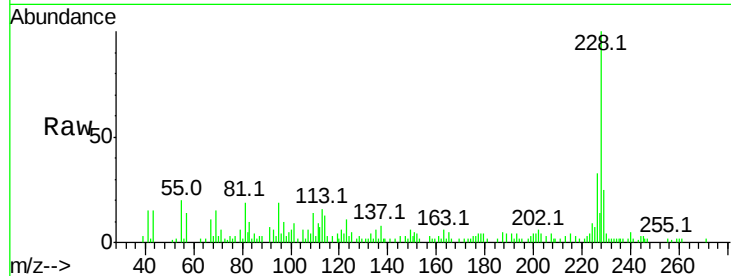
Tot Ion:228 Resp: 32412

Ion Ratio Lower Upper

228 100

226 32.8 24.9 37.3

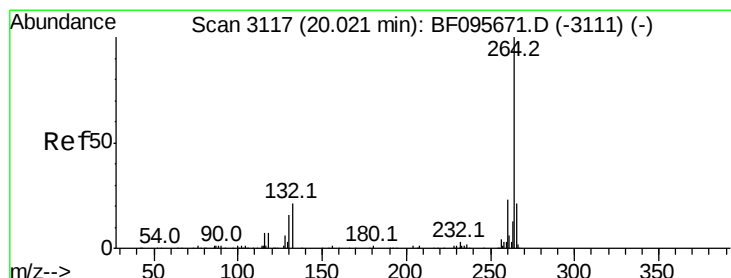
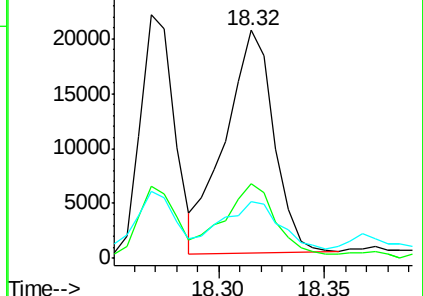
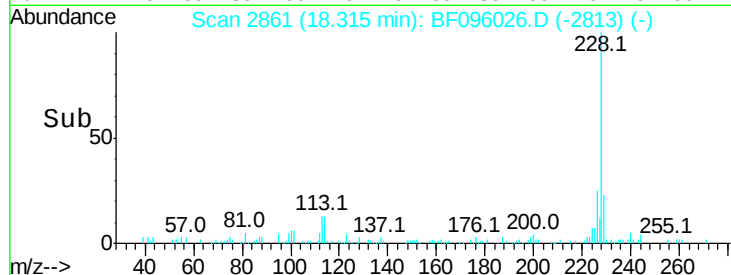
229 24.8 15.8 23.6#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.96 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

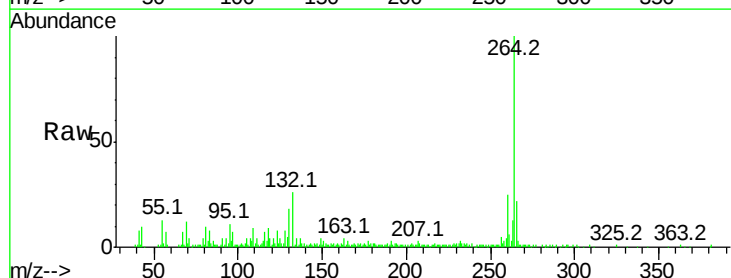
Tgt Ion:264 Resp: 96148

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

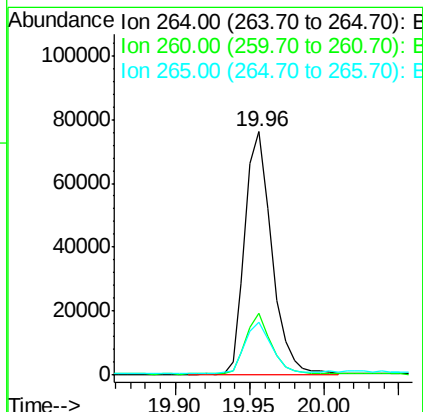
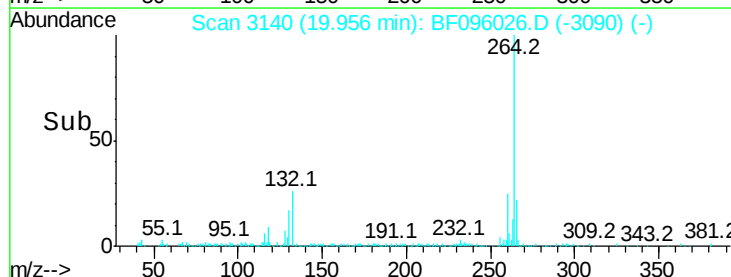
265 21.8 17.2 25.8

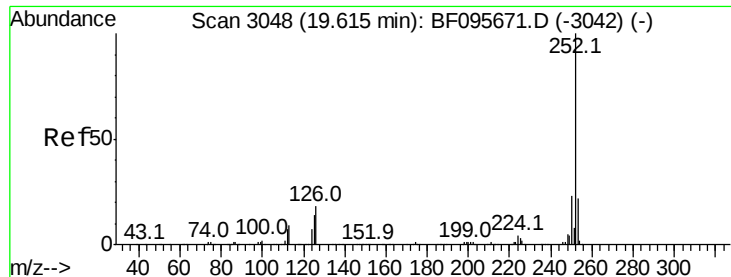


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

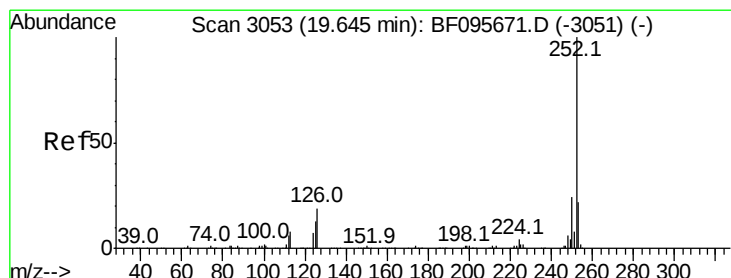
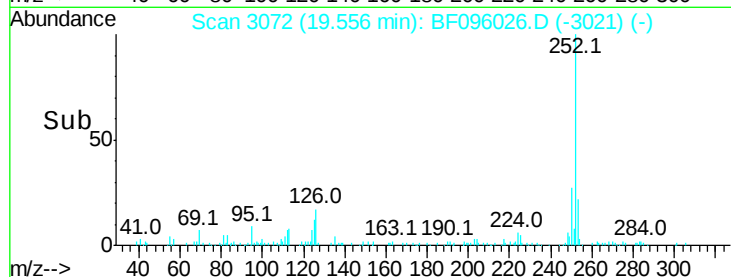
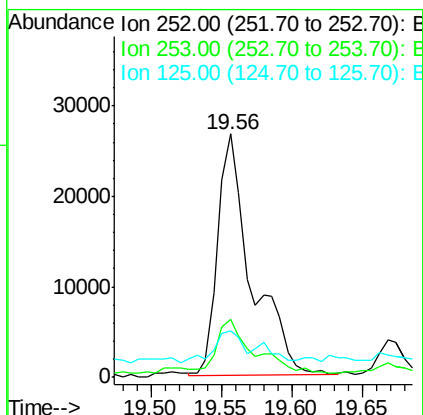
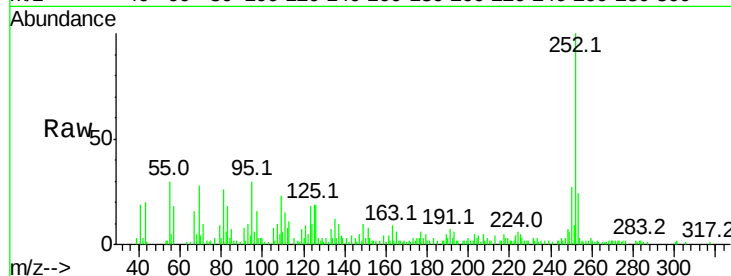




#87
Benzo(b)fluoranthene
Concen: 7.46 ng
RT: 19.56 min Scan# 3072
Delta R.T. 0.00 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

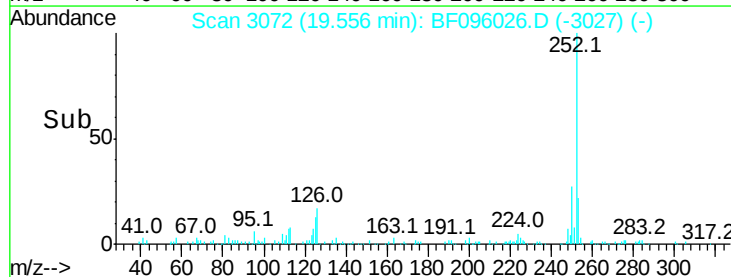
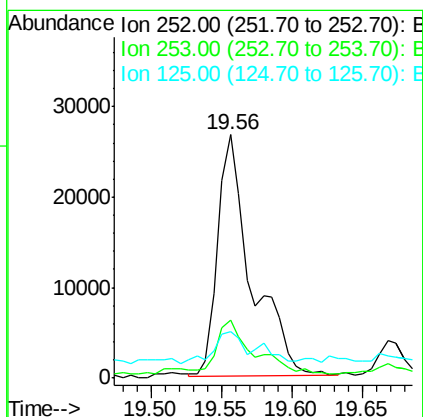
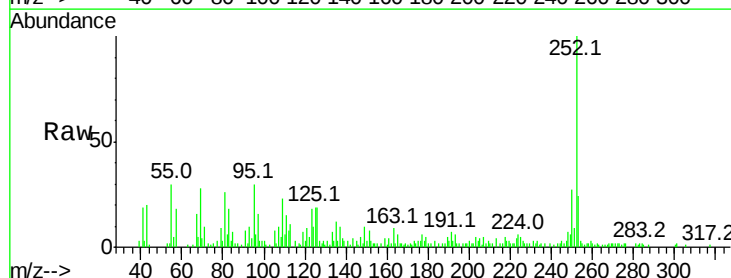
Instrument :
BNA_F
ClientSampleId :

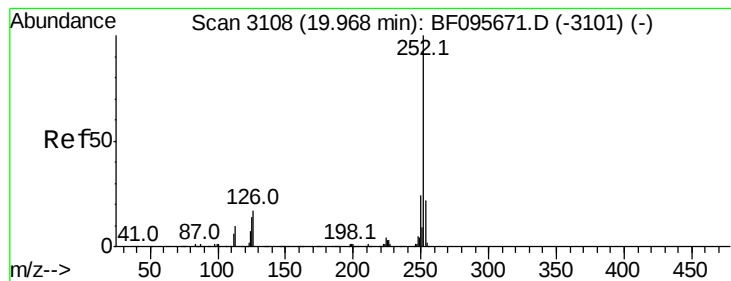
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	19.0	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 7.80 ng
RT: 19.56 min Scan# 3072
Delta R.T. -0.04 min
Lab File: BF096026.D
Acq: 20 Jun 2017 4:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	19.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 3.13 ng

RT: 19.90 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

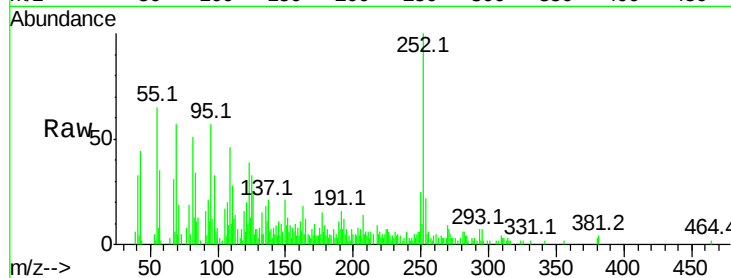
Tot Ion:252 Resp: 17326

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

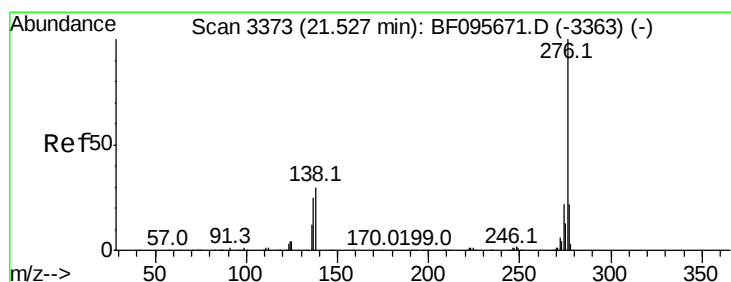
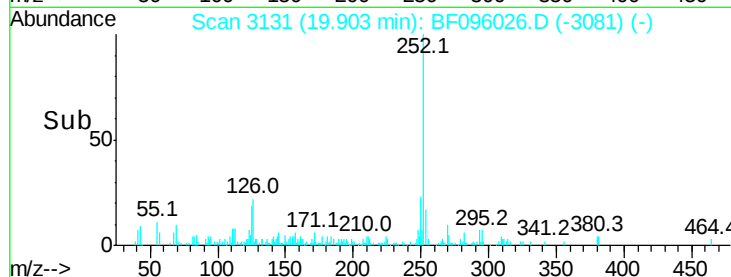
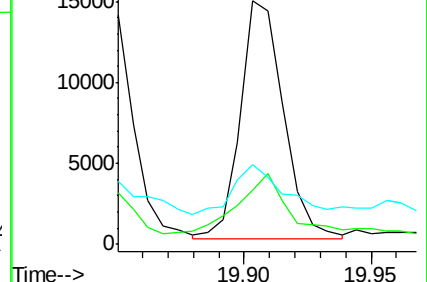
125 32.6 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.61 ng

RT: 21.47 min Scan# 3397

Delta R.T. 0.02 min

Lab File: BF096026.D

Acq: 20 Jun 2017 4:08

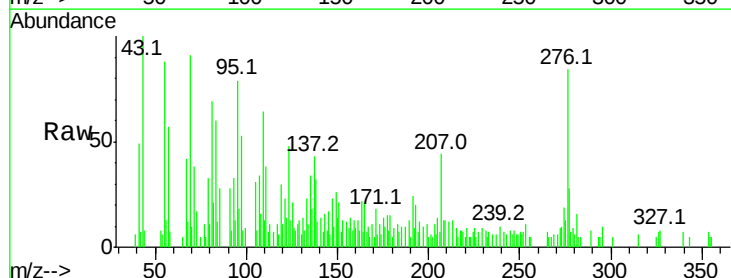
Tgt Ion:276 Resp: 12509

Ion Ratio Lower Upper

276 100

277 33.4 18.6 28.0#

138 38.2 25.4 38.0#



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

