

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095300.D
 Acq On : 20 May 2017 12:34
 Operator : SJ/MA
 Sample : I3203-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 01:56:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	91148	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	343231	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	141912	20.00	ng	0.00
63) Phenanthrene-d10	15.03	188	193124	20.00	ng	0.00
75) Chrysene-d12	18.69	240	187858	20.00	ng	0.00
86) Perylene-d12	20.36	264	150003	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	710598	129.98	ng	-0.01
7) Phenol-d6	7.31	99	879653	134.10	ng	0.00
23) Nitrobenzene-d5	8.67	82	476379	87.52	ng	0.00
41) 2,4,6-Tribromophenol	13.93	330	122299	105.23	ng	0.01
44) 2-Fluorobiphenyl	11.56	172	670029	67.96	ng	0.00
78) Terphenyl-d14	17.34	244	392281	45.99	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	7.08	77	24025	6.00	ng	# 1
10) Phenol	7.33	94	177186	25.63	ng	97
17) 2-Methylphenol	8.26	107	125801	24.70	ng	96
18) Hexachloroethane	8.52	117	12868	5.31	ng	# 1
20) 3+4-Methylphenols	8.54	107	202858	29.32	ng	# 58
22) Acetophenone	8.40	105	146220	17.76	ng	# 49
27) 2,4-Dimethylphenol	9.35	122	16612	3.34	ng	91
29) 2,4-Dichlorophenol	9.65	162	35594	7.57	ng	90
31) Naphthalene	9.82	128	1057948	61.33	ng	100
32) Benzoic acid	9.65	122	8154	7.31	ng	# 46
33) 4-Chloroaniline	9.87	127	25965	4.04	ng	# 1
35) Caprolactam	10.58	113	65545	46.45	ng	# 69
37) 2-Methylnaphthalene	10.95	142	1171288	103.46	ng	99
45) 1,1'-Biphenyl	11.71	154	121613	10.18	ng	99
48) Acenaphthylene	12.41	152	38764	2.57	ng	# 1
49) Dimethylphthalate	12.25	163	175999	15.11	ng	# 97
51) Acenaphthene	12.68	154	86190	9.55	ng	98
53) 2,4-Dinitrophenol	12.86	184	282	6.45	ng	# 1
54) Dibenzofuran	12.97	168	82531	6.61	ng	# 77
55) 4-Nitrophenol	13.06	139	23306	15.21	ng	# 72
56) 2,4-Dinitrotoluene	13.06	165	24994	8.18	ng	# 55
57) Fluorene	13.52	166	119457	11.00	ng	# 92
65) n-Nitrosodiphenylamine	13.74	169	142527	20.33	ng	# 58
69) Pentachlorophenol	14.76	266	132	5.99	ng	# 1
70) Phenanthrene	15.07	178	332562	29.97	ng	98
71) Anthracene	15.07	178	332562	29.34	ng	99
72) Carbazole	15.44	167	34450	3.34	ng	# 72
74) Fluoranthene	16.80	202	148305	13.03	ng	99
76) Benzidine	17.03	184	758	6.72	ng	# 1
77) Pyrene	17.11	202	136592	9.72	ng	96
80) Benzo(a)anthracene	18.72	228	55309	5.06	ng	94
82) Chrysene	18.72	228	55309	5.23	ng	# 96
87) Benzo(b)fluoranthene	19.97	252	64745	6.99	ng	96
88) Benzo(k)fluoranthene	19.97	252	64745	7.24	ng	96

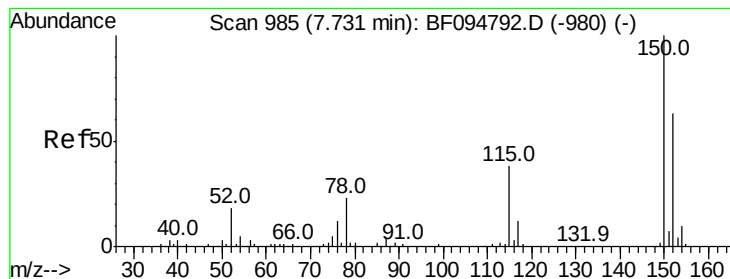
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
Data File : BF095300.D
Acq On : 20 May 2017 12:34
Operator : SJ/MA
Sample : I3203-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 22 01:56:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	20.31	252	29130	3.41	ng	# 93
91) Benzo(g,h,i)perylene	22.11	276	15183	2.19	ng	# 86

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

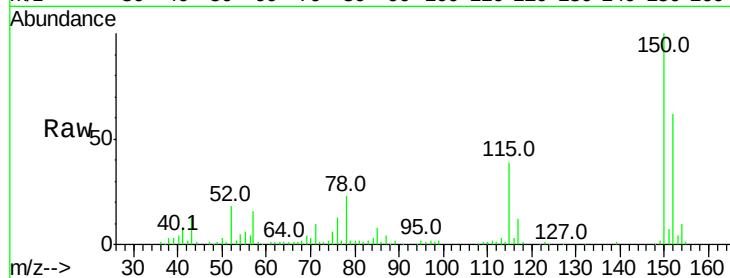


#1

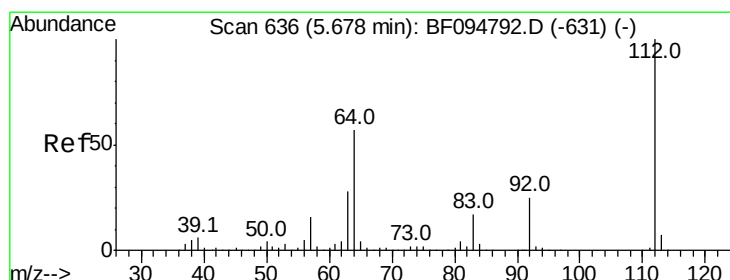
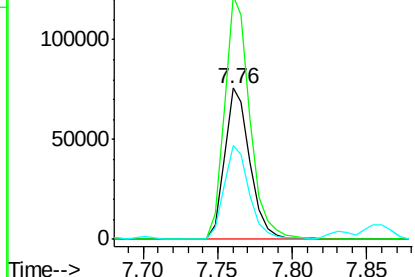
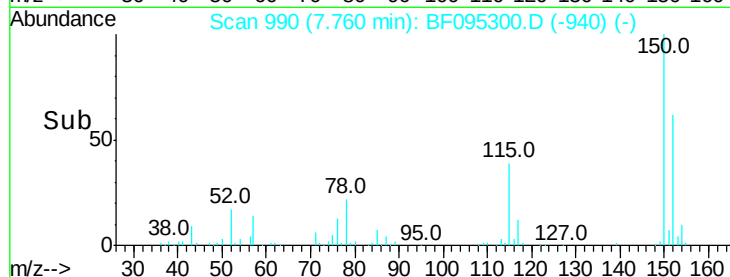
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91148
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.2
115 62.6 52.2 78.2



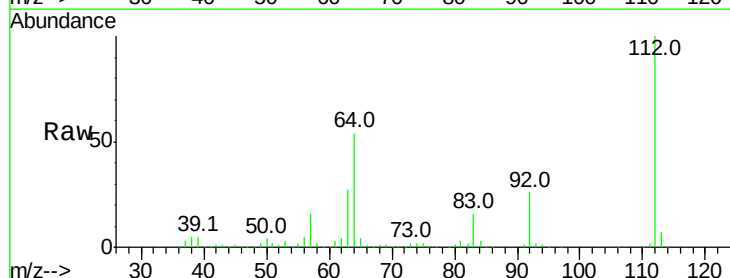
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



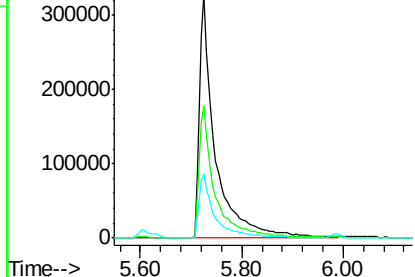
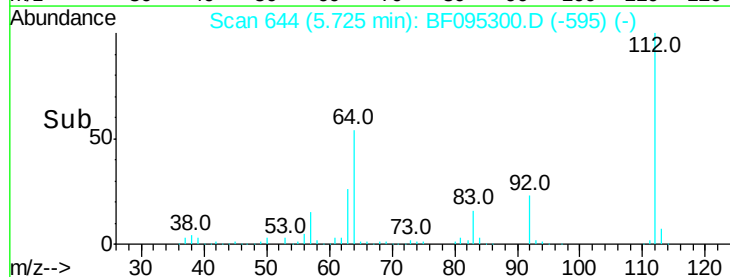
#5

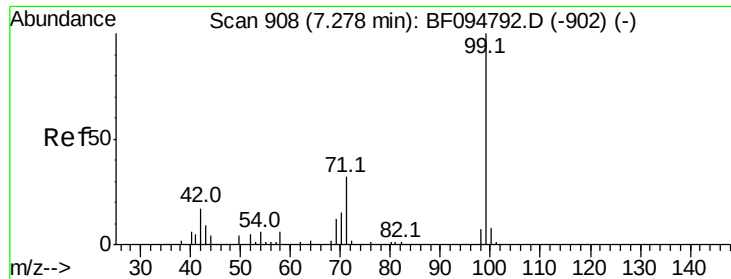
2-Fluorophenol
Concen: 129.98 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:112 Resp: 710598
Ion Ratio Lower Upper
112 100
64 54.3 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: 134.10 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

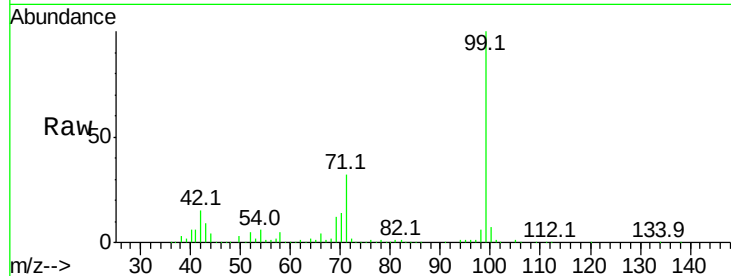
Tot Ion: 99 Resp: 879653

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

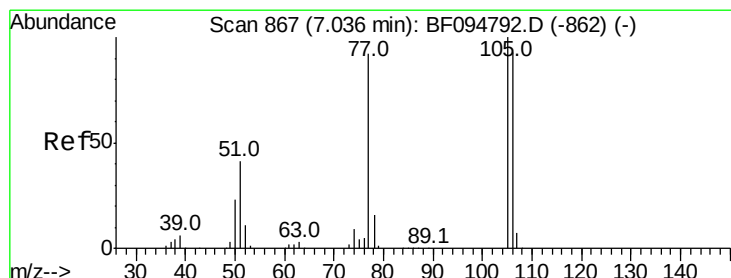
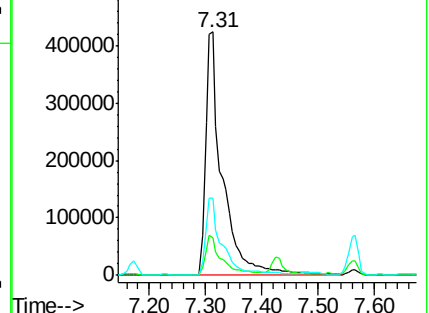
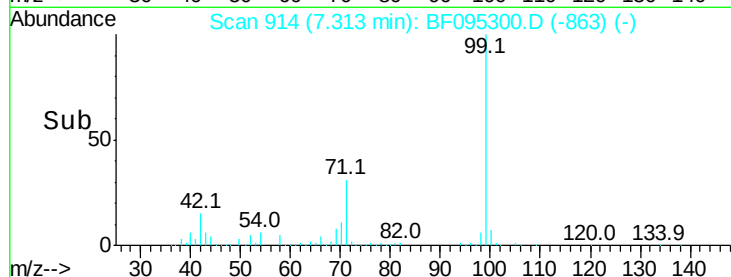
71 31.6 24.5 36.7



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



#9

Benzaldehyde

Concen: 6.00 ng

RT: 7.08 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

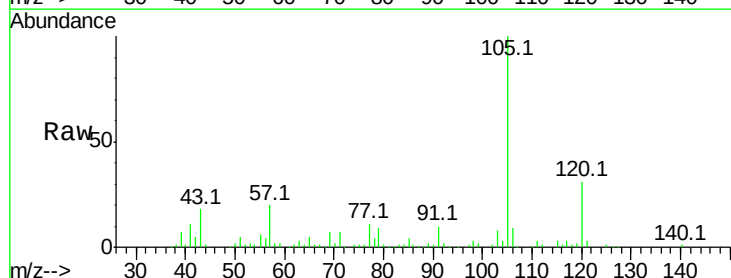
Tgt Ion: 77 Resp: 24025

Ion Ratio Lower Upper

77 100

105 921.4 83.8 123.8#

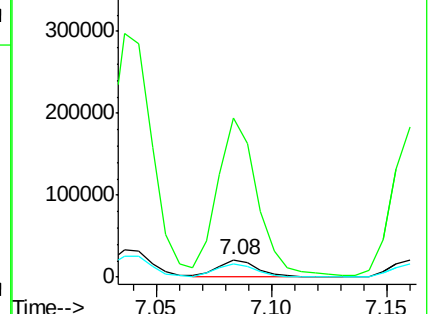
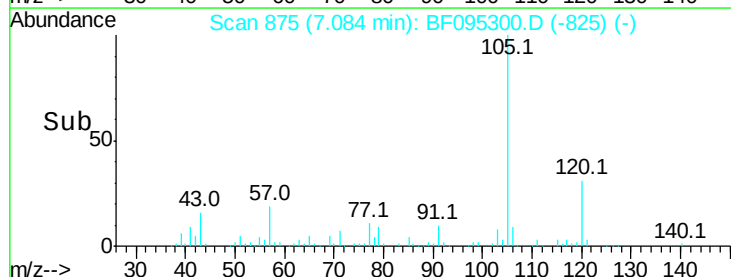
106 80.2 79.1 119.1

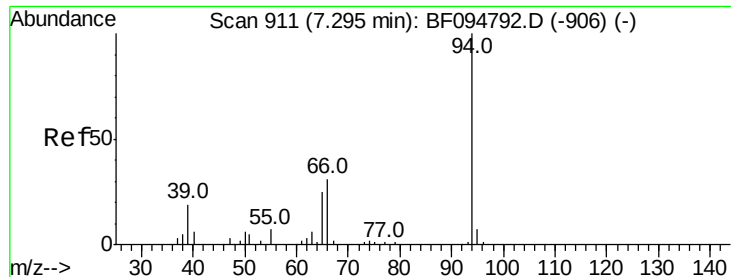


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

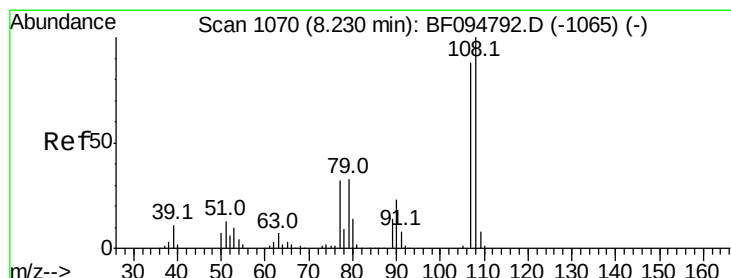
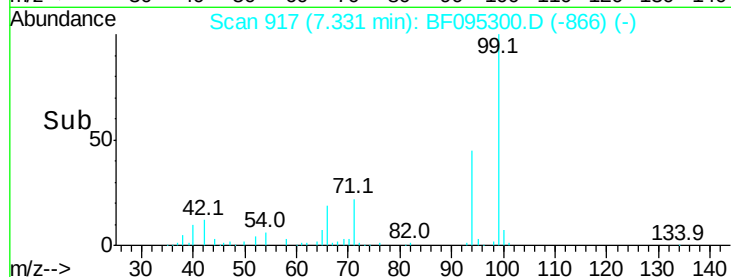
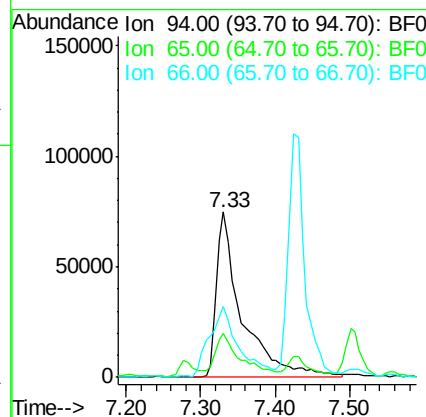
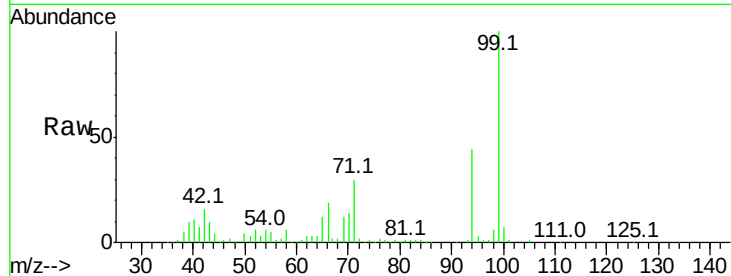




#10
Phenol
Concen: 25.63 ng
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

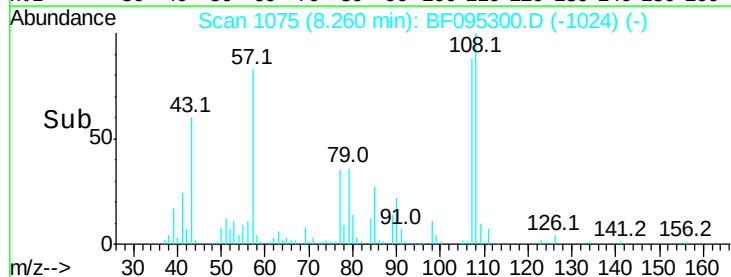
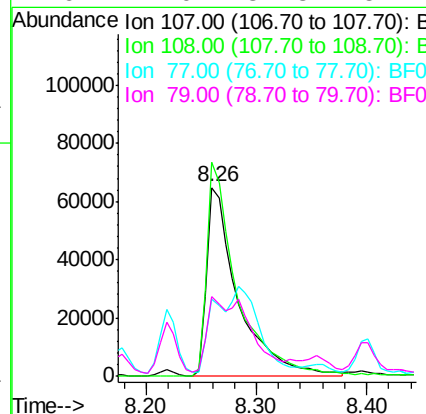
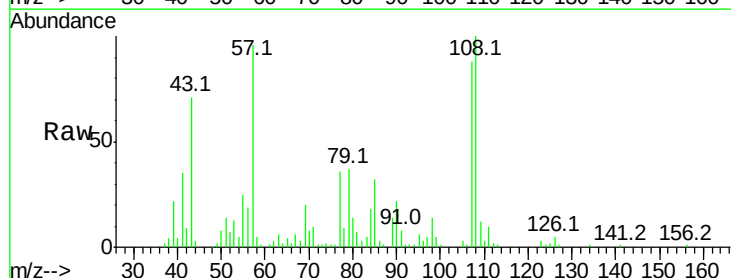
Instrument :
BNA_F
ClientSampled :

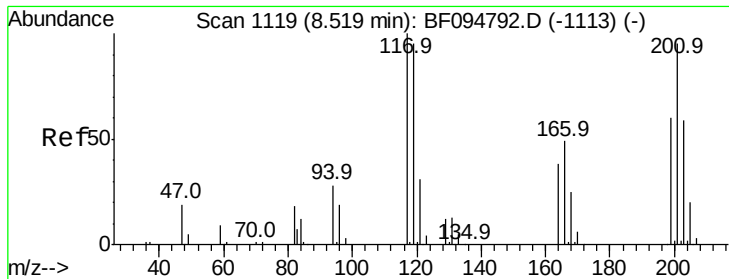
Tot Ion: 94 Resp: 177186
Ion Ratio Lower Upper
94 100
65 26.4 9.9 49.9
66 42.7 23.1 63.1



#17
2-Methylphenol
Concen: 24.70 ng
RT: 8.26 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion: 107 Resp: 125801
Ion Ratio Lower Upper
107 100
108 113.1 93.4 140.0
77 40.5 35.8 53.6
79 42.0 34.8 52.2

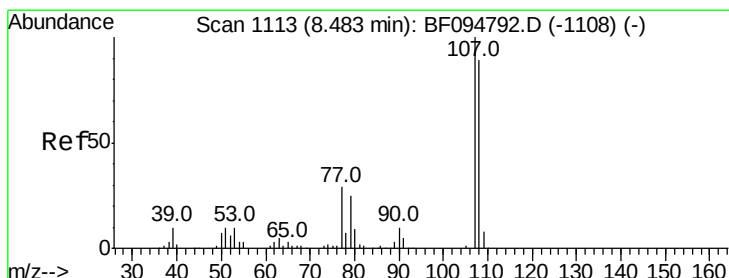
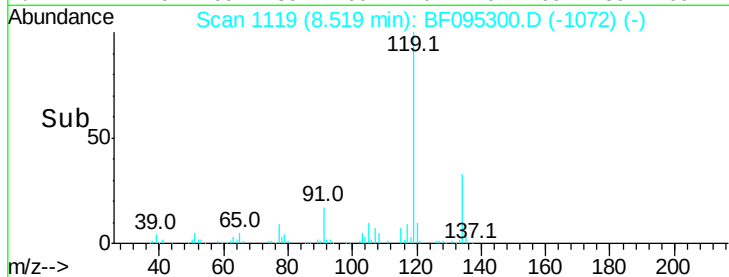
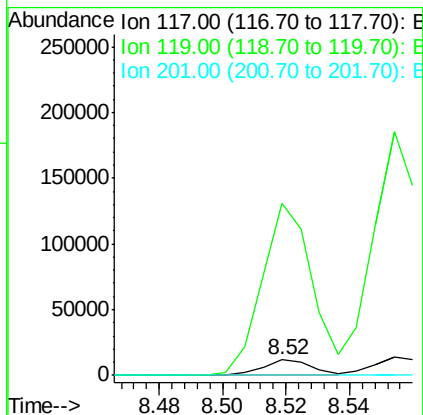
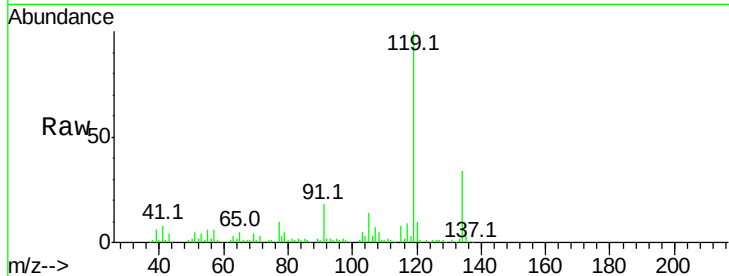




#18
Hexachloroethane
Concen: 5.31 ng
RT: 8.52 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

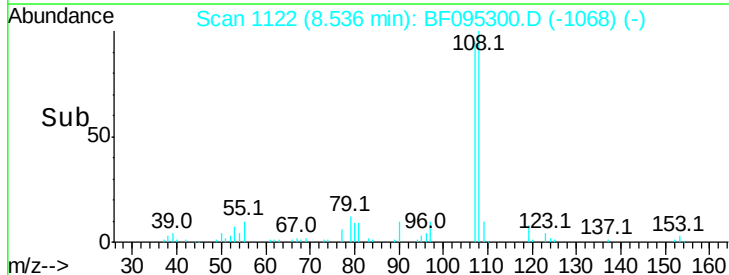
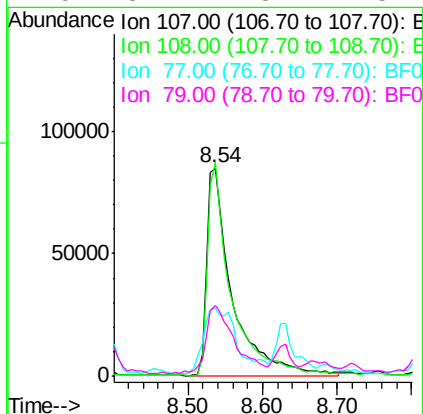
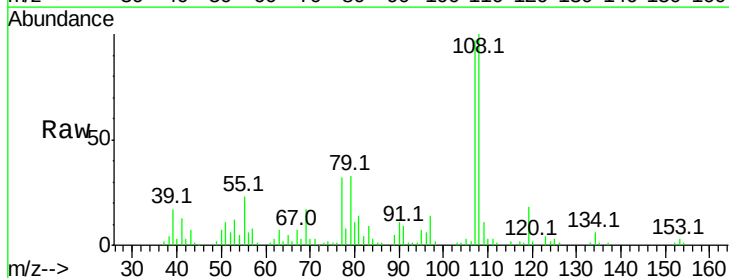
Instrument :
BNA_F
ClientSampleId :

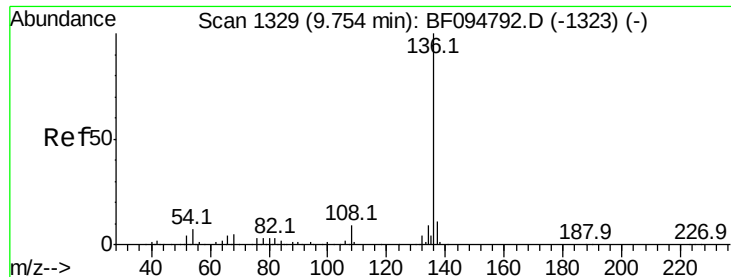
Tot Ion:117 Resp: 12868
Ion Ratio Lower Upper
117 100
119 1124.6 77.4 116.0#
201 0.0 94.6 141.8#



#20
3+4-Methylphenols
Concen: 29.32 ng
RT: 8.54 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:107 Resp: 202858
Ion Ratio Lower Upper
107 100
108 102.9 71.0 111.0
77 32.9 90.5 130.5#
79 34.1 8.4 48.4

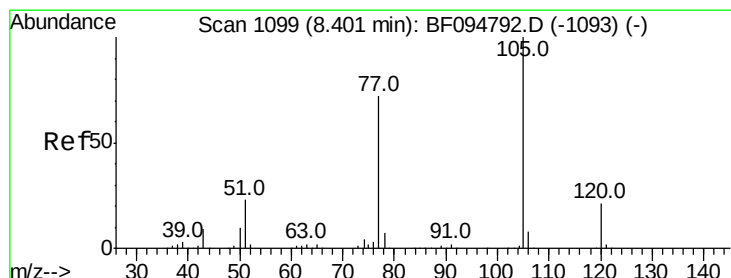
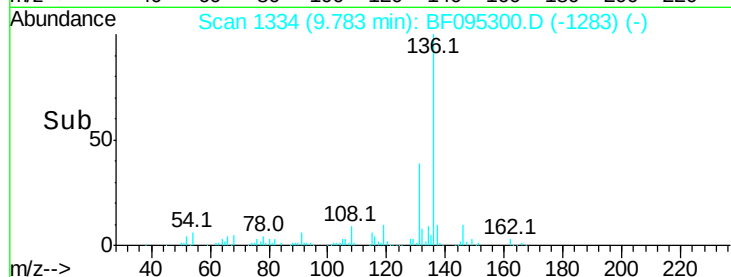
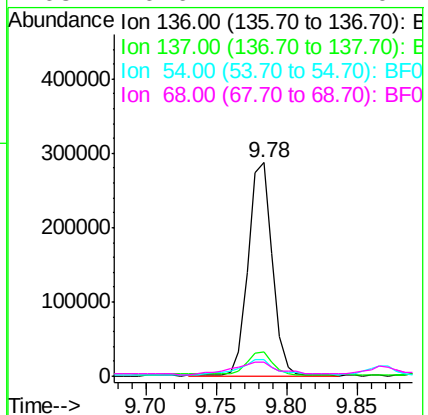
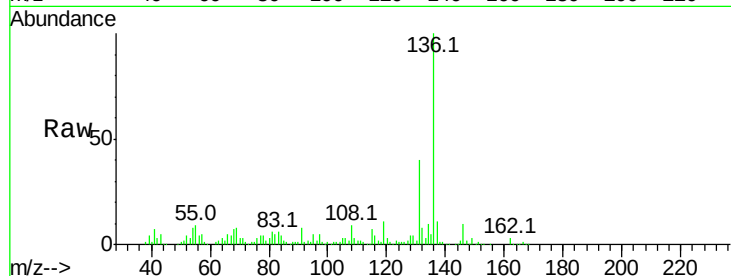




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

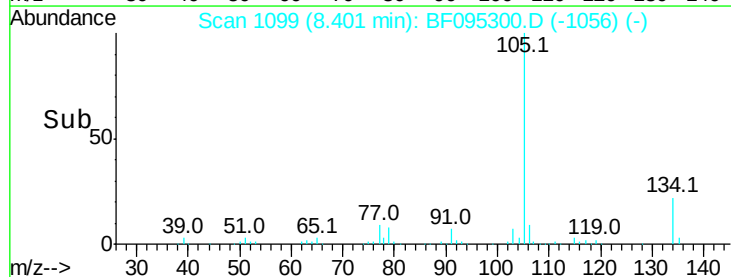
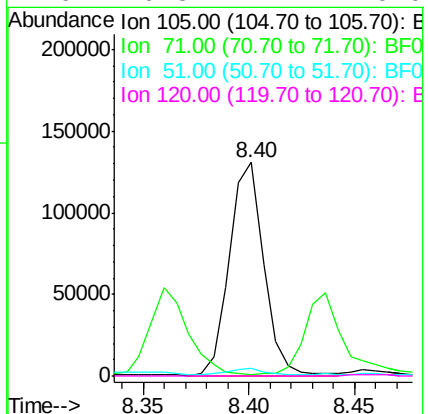
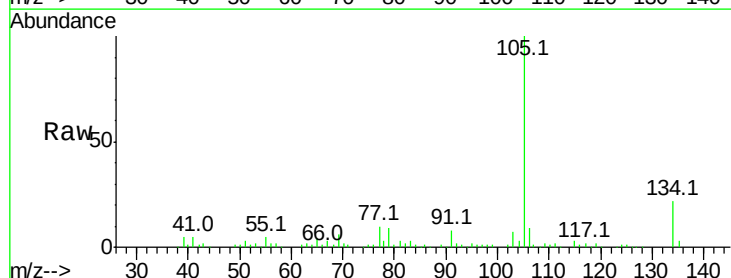
Instrument :
BNA_F
ClientSampleId :

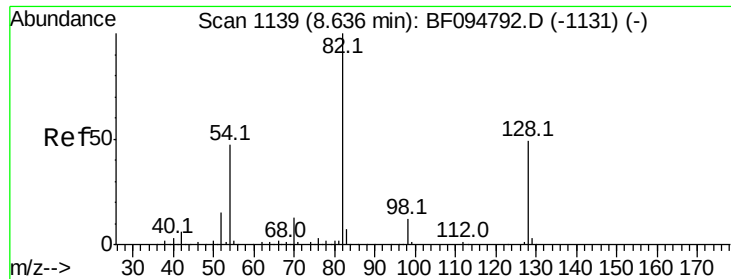
Tot Ion:136	Resp:	343231
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	7.5	4.9 7.3#
68	6.6	4.1 6.1#



#22
Acetophenone
Concen: 17.76 ng
RT: 8.40 min Scan# 1099
Delta R.T. -0.05 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:105	Resp:	146220
Ion Ratio	Lower	Upper
105	100	
71	0.6	2.8 4.2#
51	3.5	30.7 46.1#
120	0.3	17.4 26.0#

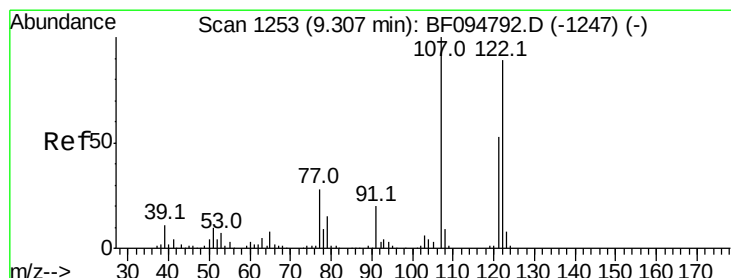
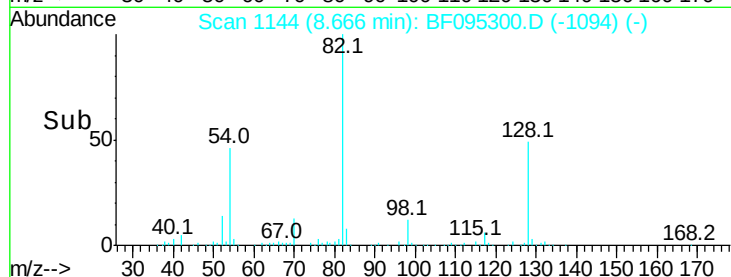
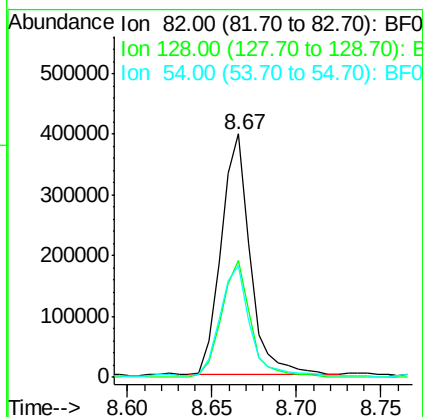
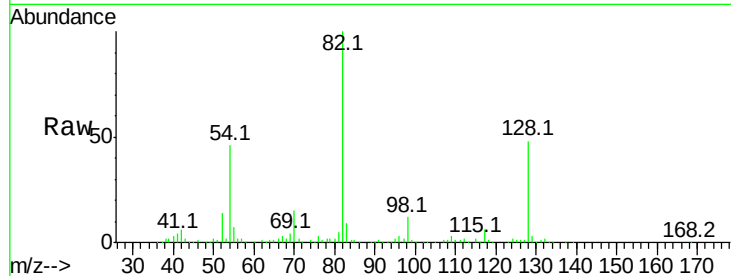




#23
 Nitrobenzene-d5
 Concen: 87.52 ng
 RT: 8.67 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

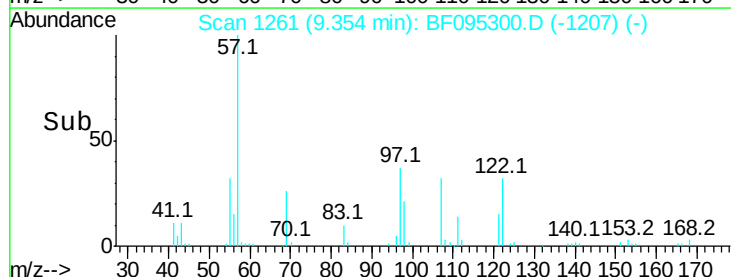
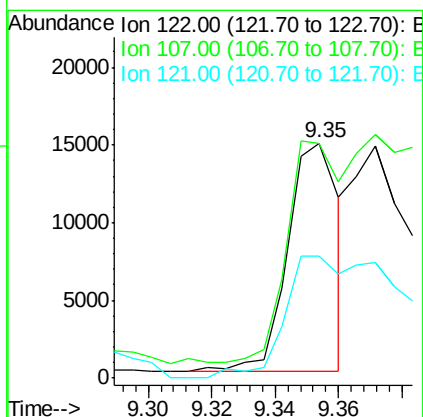
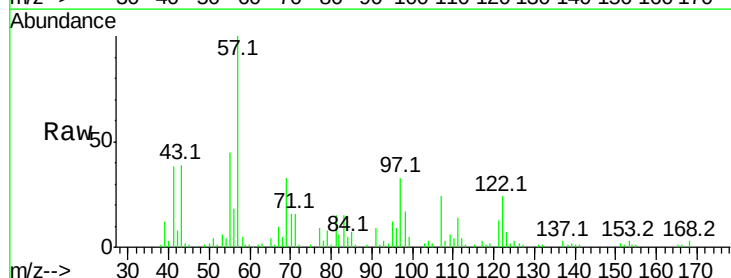
Instrument :
 BNA_F
 ClientSampled :

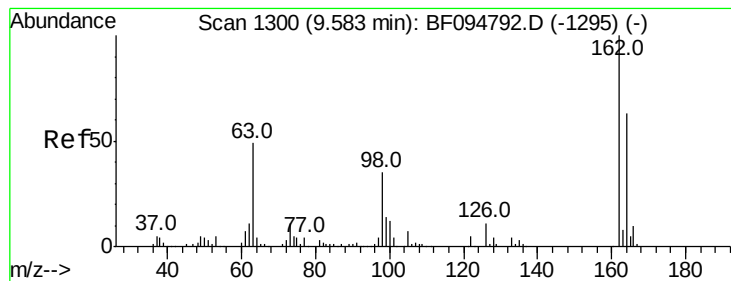
Tot Ion: 82 Resp: 476379
 Ion Ratio Lower Upper
 82 100
 128 47.8 34.0 51.0
 54 46.0 42.2 63.2



#27
 2,4-Dimethylphenol
 Concen: 3.34 ng
 RT: 9.35 min Scan# 1261
 Delta R.T. 0.02 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion:122 Resp: 16612
 Ion Ratio Lower Upper
 122 100
 107 100.1 89.2 133.8
 121 52.1 45.2 67.8





#29

2,4-Dichlorophenol

Concen: 7.57 ng

RT: 9.65 min Scan# 1312

Delta R.T. 0.02 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

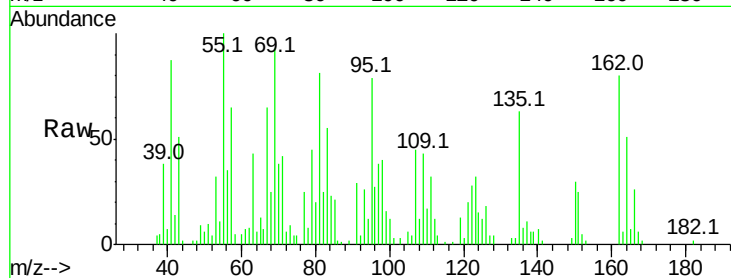
Tot Ion:162 Resp: 35594

Ion Ratio Lower Upper

162 100

164 64.2 44.6 84.6

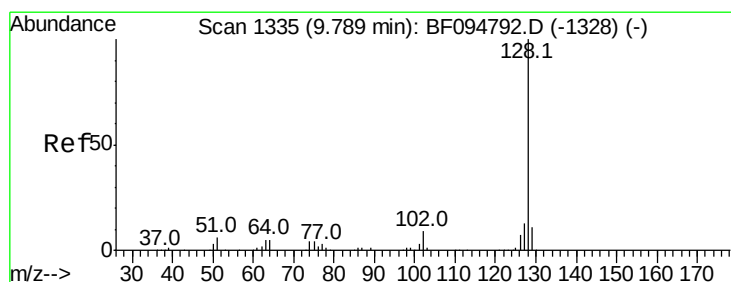
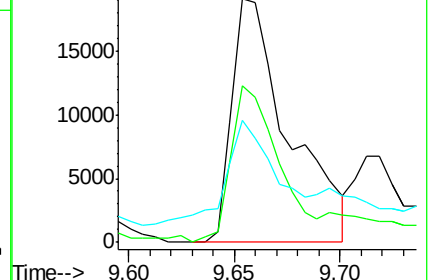
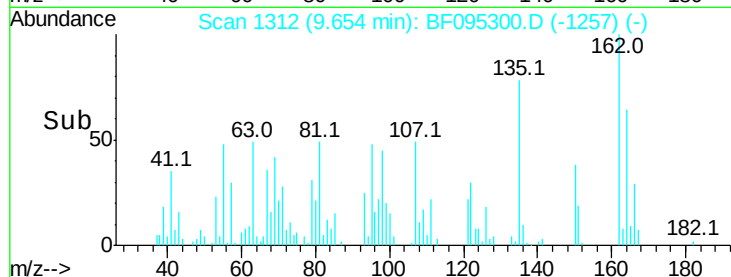
98 50.2 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#31

Naphthalene

Concen: 61.33 ng

RT: 9.82 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

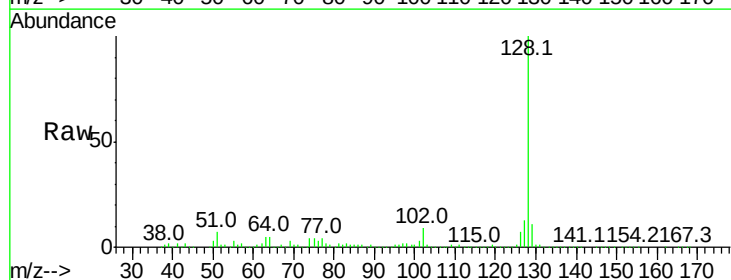
Tgt Ion:128 Resp: 1057948

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

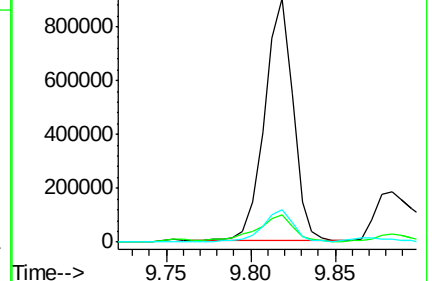
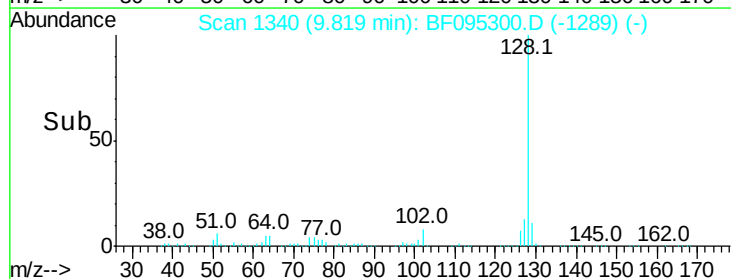
127 13.2 10.8 16.2

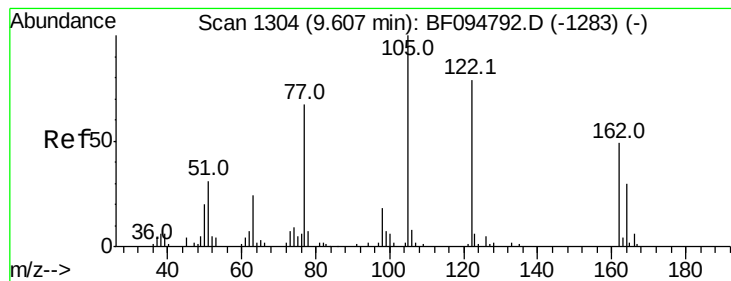


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.31 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

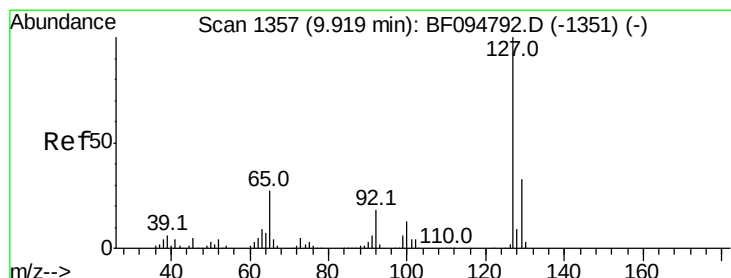
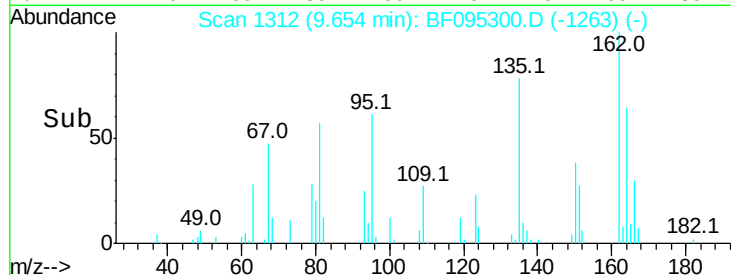
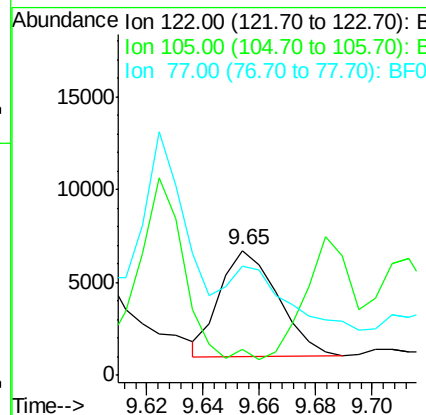
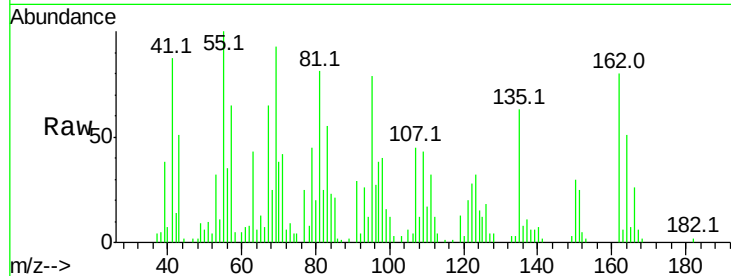
Tot Ion:122 Resp: 8154

Ion Ratio Lower Upper

122 100

105 20.7 103.3 143.3#

77 87.8 73.7 113.7



#33

4-Chloroaniline

Concen: 4.04 ng

RT: 9.87 min Scan# 1349

Delta R.T. -0.09 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:127 Resp: 25965

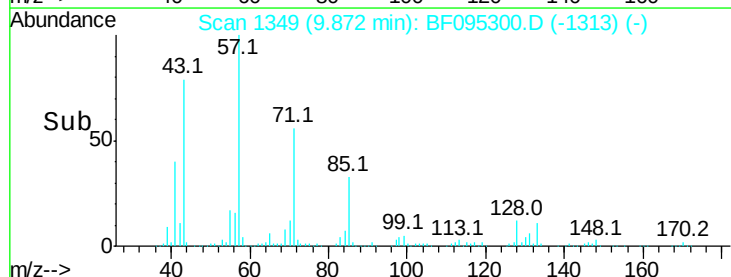
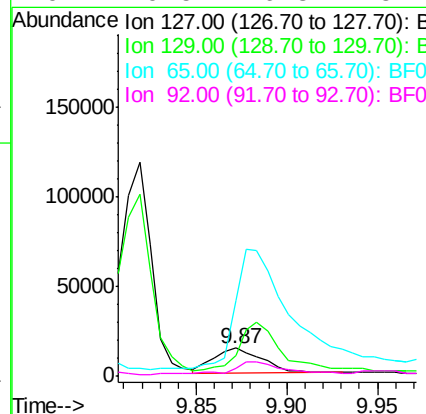
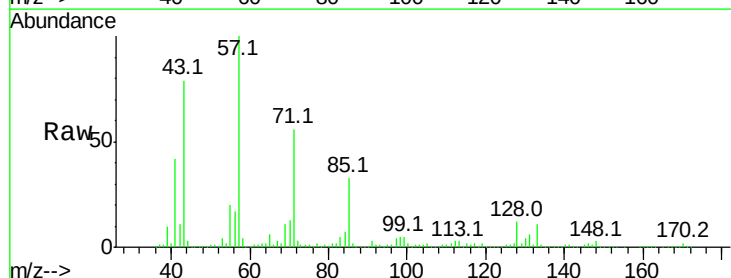
Ion Ratio Lower Upper

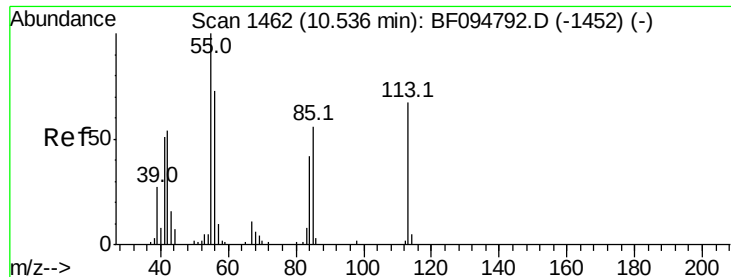
127 100

129 74.2 26.2 39.2#

65 270.8 27.8 41.8#

92 29.5 16.8 25.2#





#35

Caprolactam

Concen: 46.45 ng

RT: 10.58 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

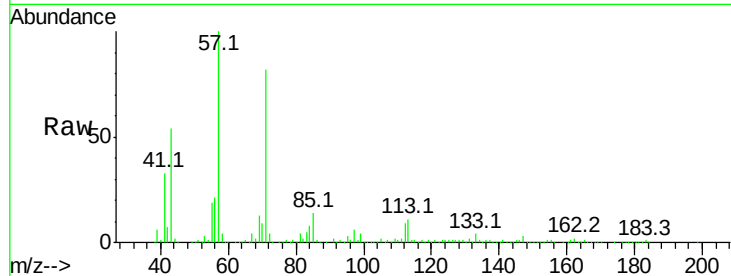
Tot Ion:113 Resp: 65545

Ion Ratio Lower Upper

113 100

55 181.2 150.2 190.2

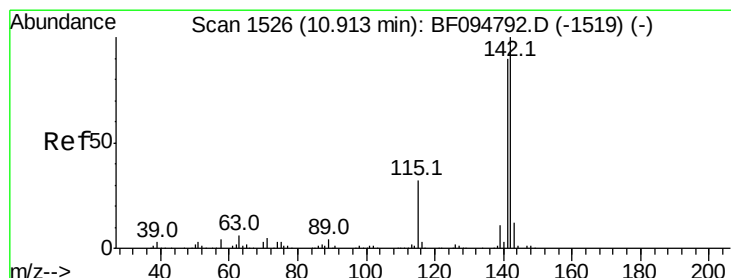
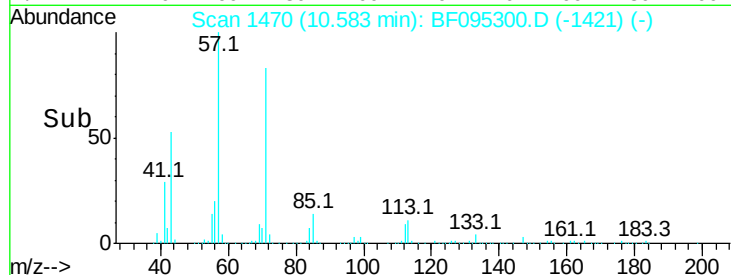
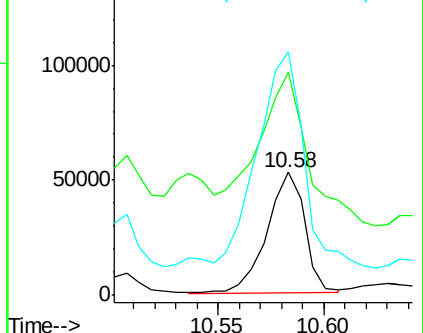
56 197.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 103.46 ng

RT: 10.95 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

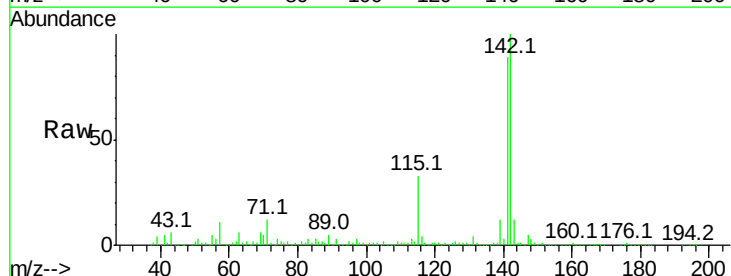
Tgt Ion:142 Resp: 1171288

Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

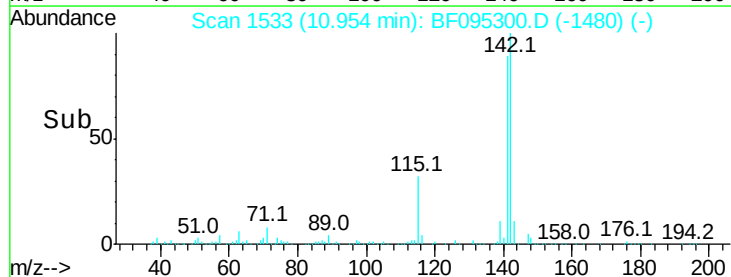
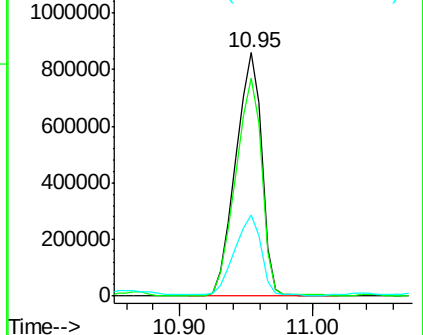
115 33.1 27.1 40.7

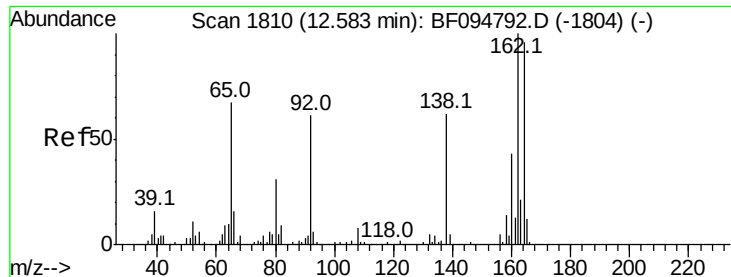


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

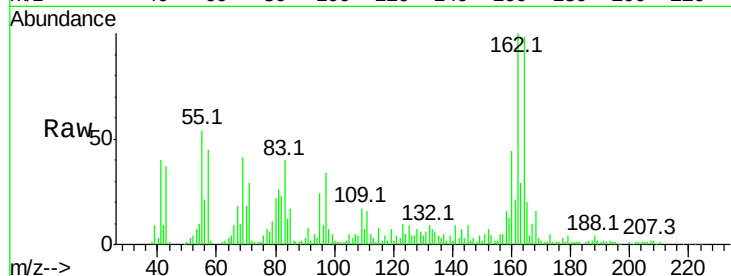
Tot Ion:164 Resp: 141912

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

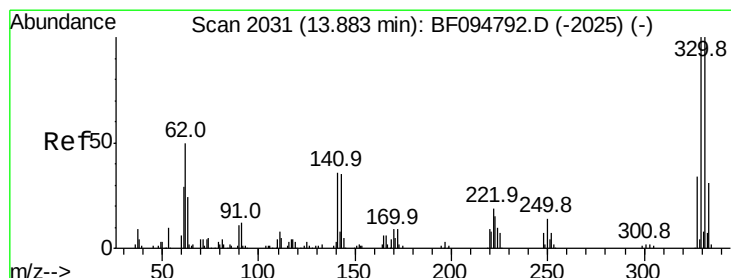
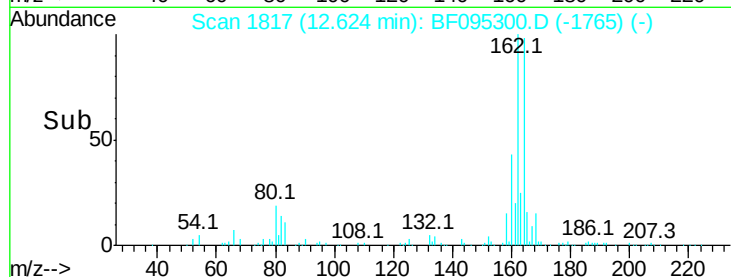
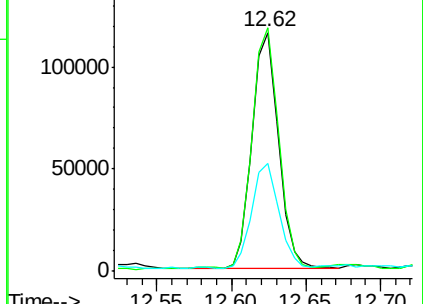
160 45.0 36.2 54.2



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: 105.23 ng

RT: 13.93 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

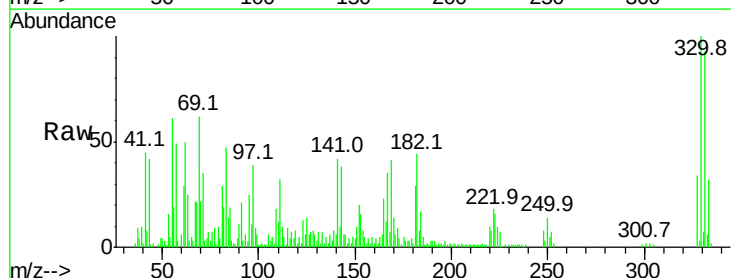
Tgt Ion:330 Resp: 122299

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

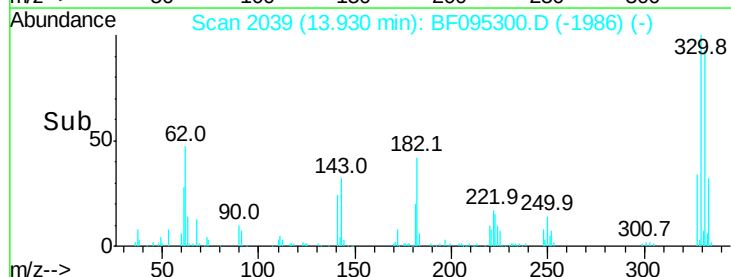
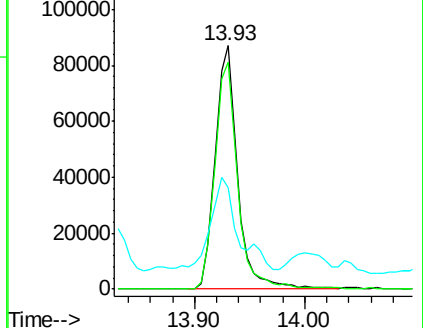
141 51.4 31.4 47.2#

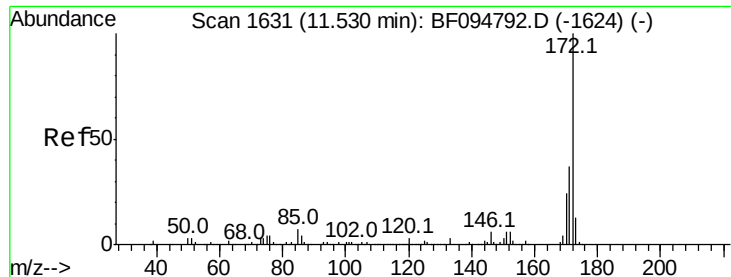


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

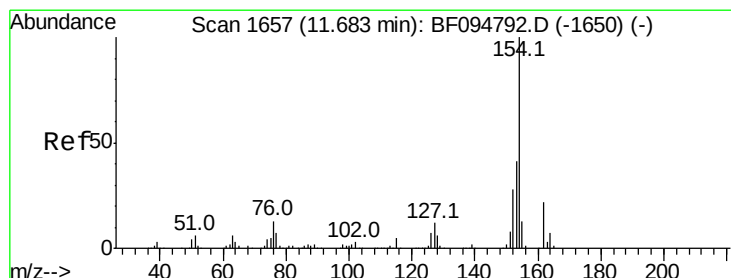
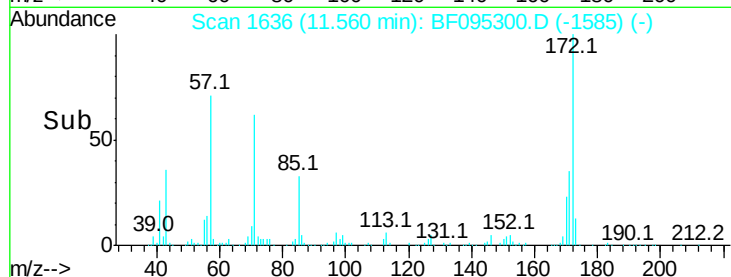
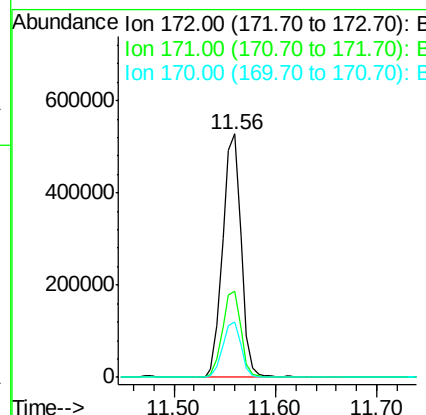
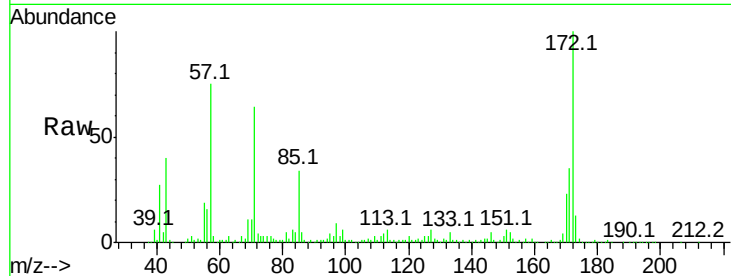




#44
2-Fluorobiphenyl
Concen: 67.96 ng
RT: 11.56 min Scan# 1636
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

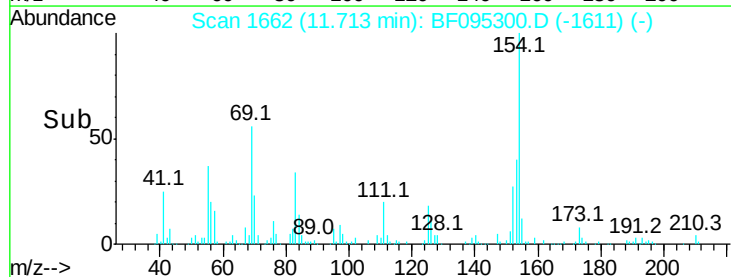
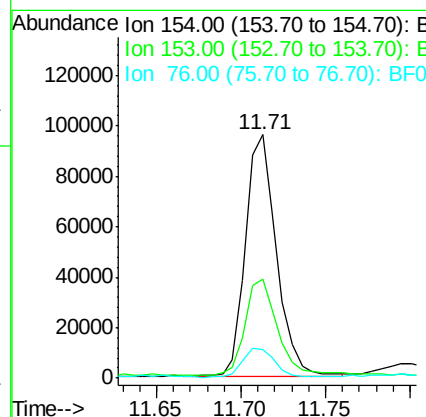
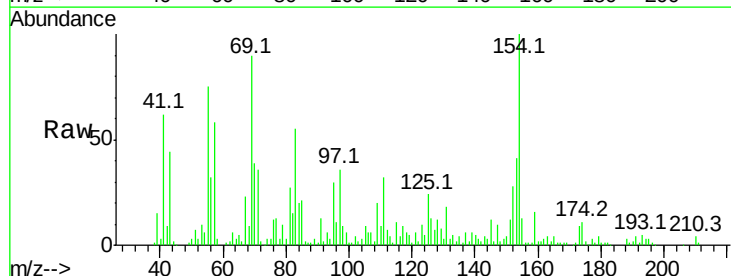
Instrument :
BNA_F
ClientSampleId :

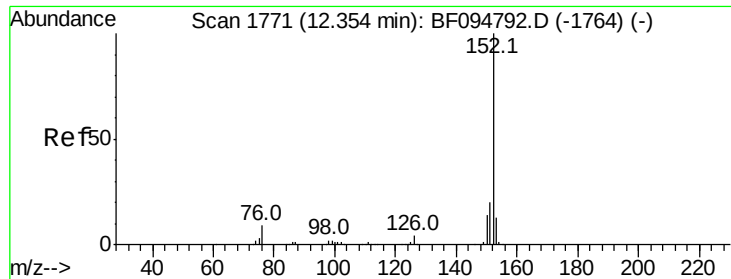
Tot Ion:172 Resp: 670029
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 22.7 19.8 29.8



#45
1,1'-Biphenyl
Concen: 10.18 ng
RT: 11.71 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:154 Resp: 121613
Ion Ratio Lower Upper
154 100
153 40.8 21.2 61.2
76 11.5 0.0 29.9





#48

Acenaphthylene

Concen: 2.57 ng

RT: 12.41 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

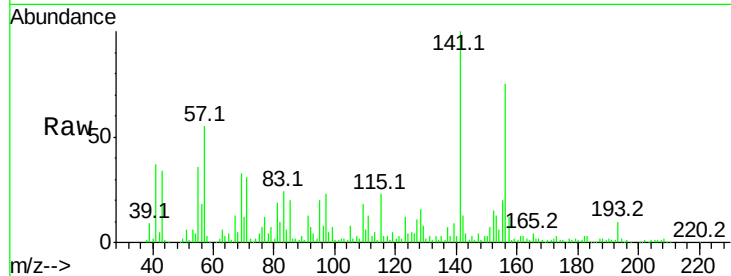
Tot Ion:152 Resp: 38764

Ion Ratio Lower Upper

152 100

151 43.4 16.8 25.2#

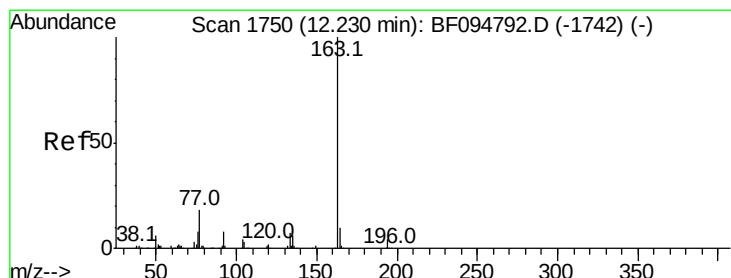
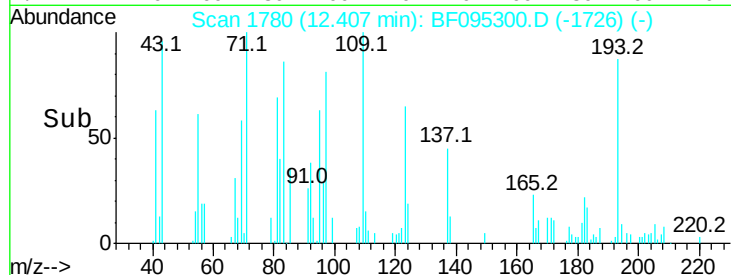
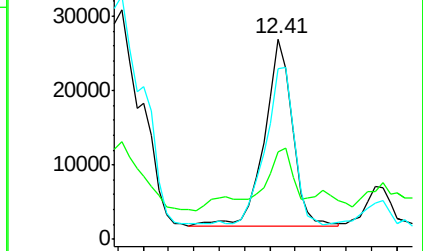
153 85.4 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 15.11 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

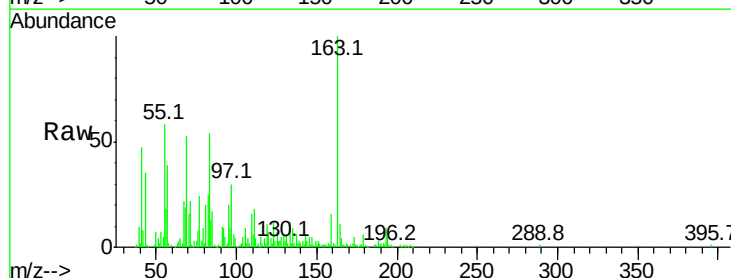
Tgt Ion:163 Resp: 175999

Ion Ratio Lower Upper

163 100

194 4.9 2.6 4.0#

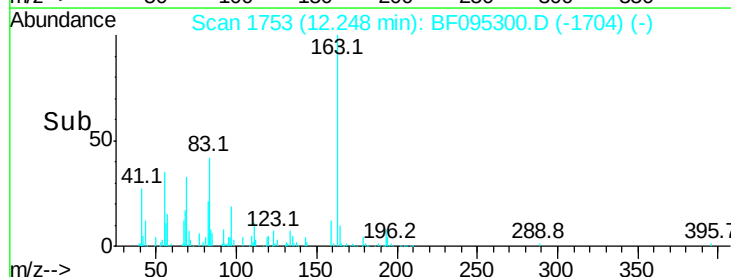
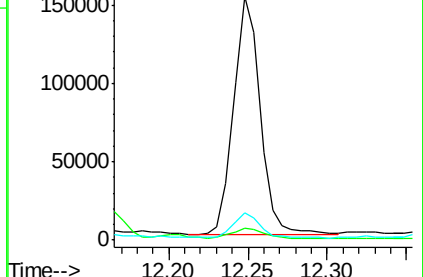
164 11.3 8.4 12.6

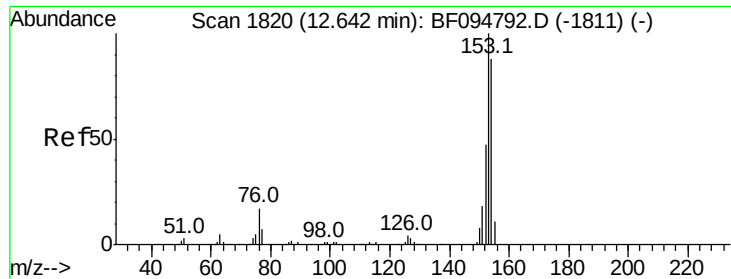


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 9.55 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

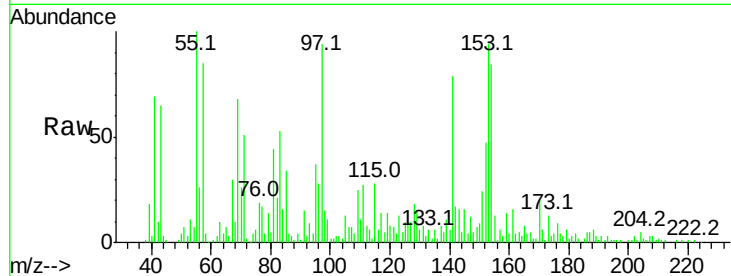
Tot Ion:154 Resp: 86190

Ion Ratio Lower Upper

154 100

153 111.8 90.5 135.7

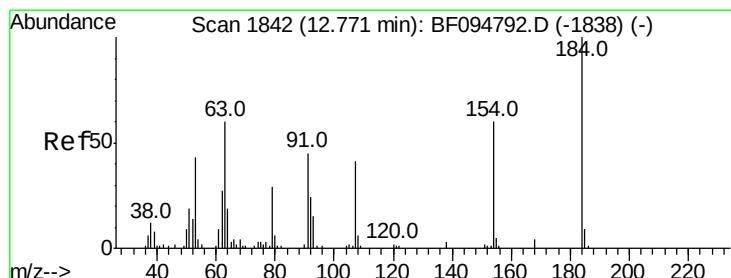
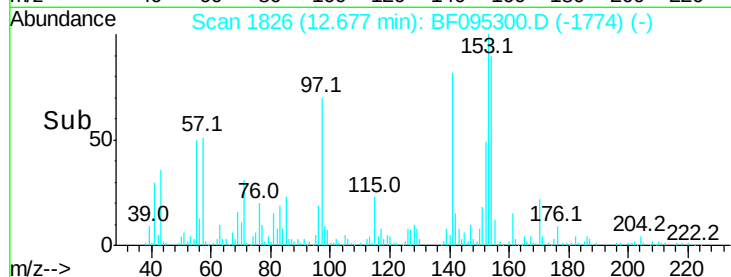
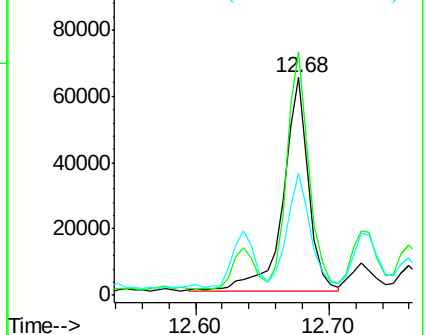
152 56.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 6.45 ng

RT: 12.86 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

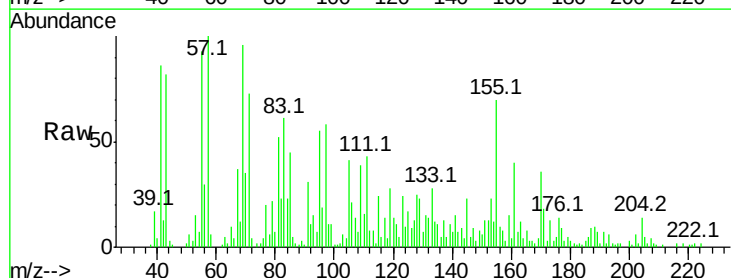
Tgt Ion:184 Resp: 282

Ion Ratio Lower Upper

184 100

63 531.9 62.7 94.1#

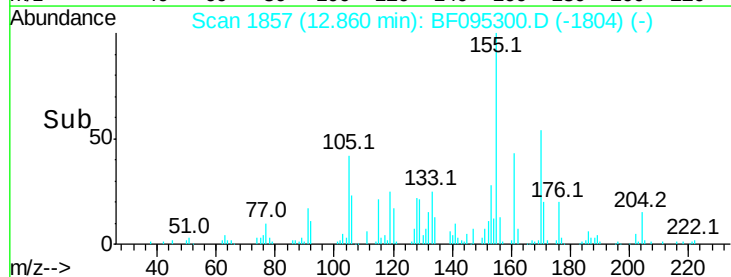
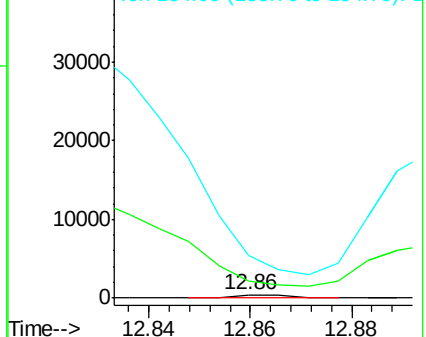
154 1332.6 81.1 121.7#

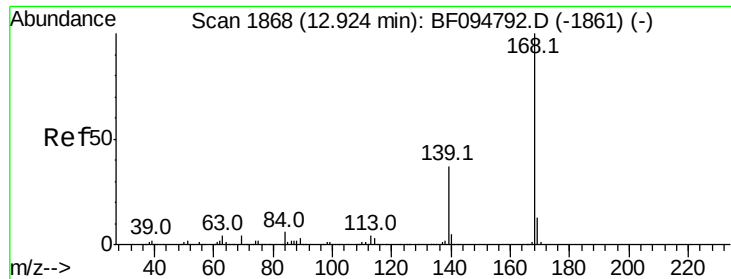


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 6.61 ng

RT: 12.97 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

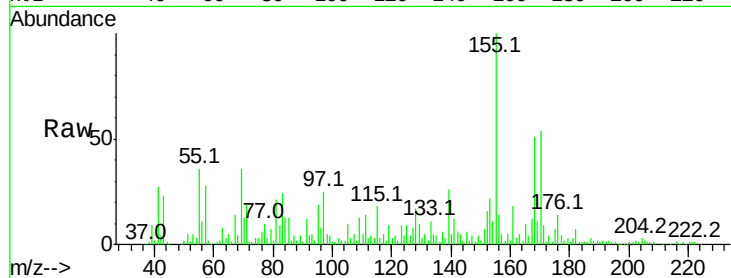
Tot Ion:168 Resp: 82531

Ion Ratio Lower Upper

168 100

139 52.2 30.6 45.8#

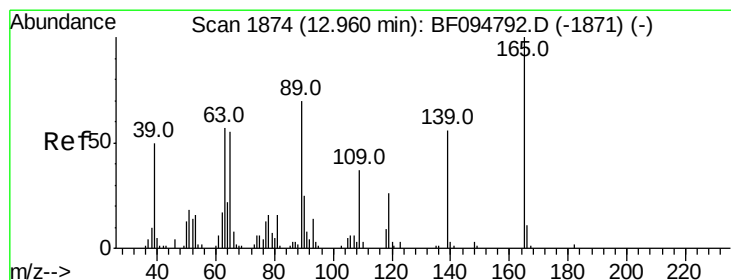
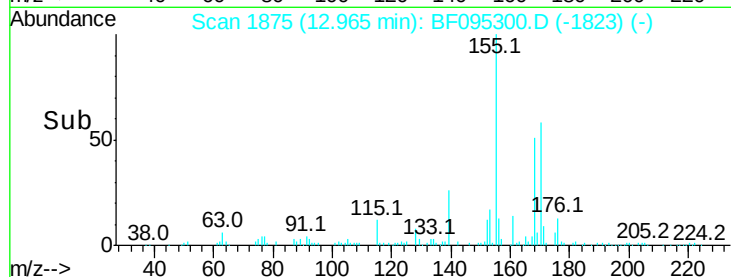
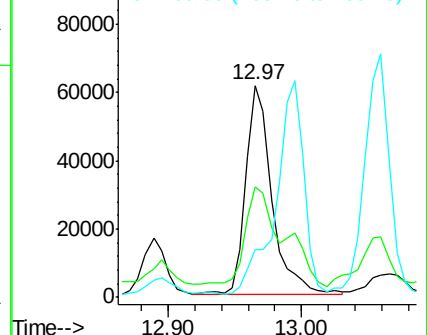
169 22.5 10.8 16.2#



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: 15.21 ng

RT: 13.06 min Scan# 1891

Delta R.T. 0.02 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

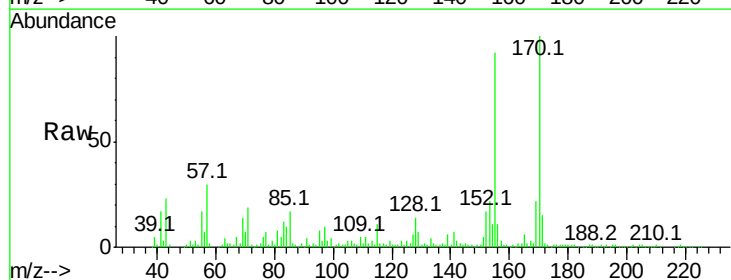
Tgt Ion:139 Resp: 23306

Ion Ratio Lower Upper

139 100

109 83.6 34.1 74.1#

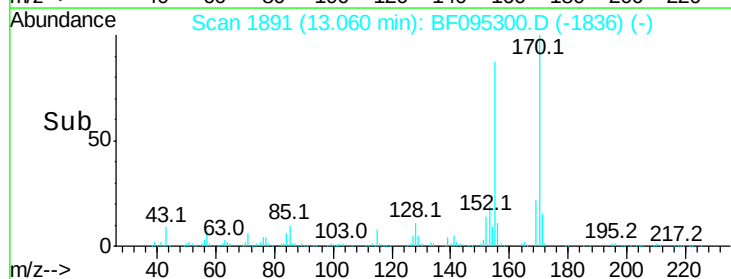
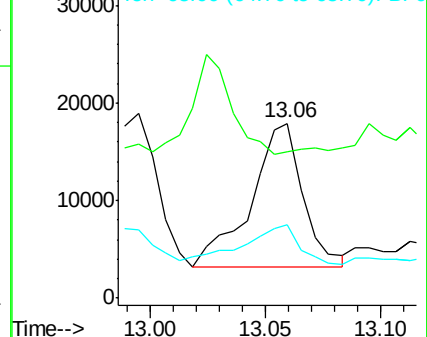
65 41.9 31.4 71.4

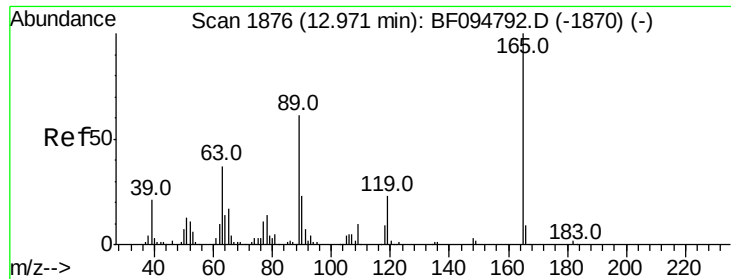


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

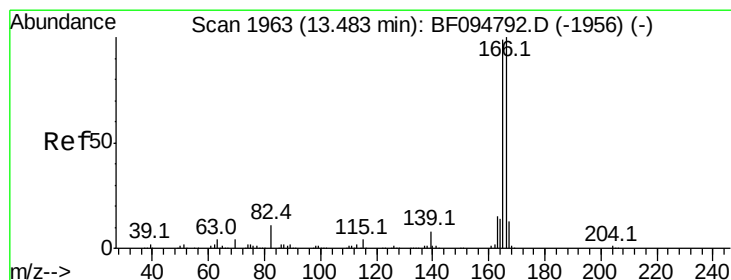
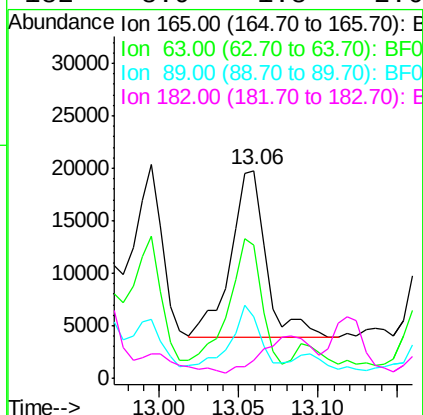
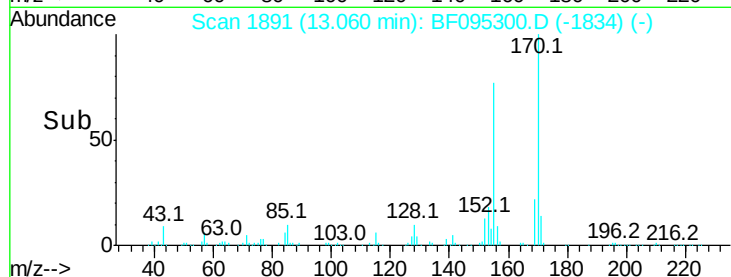
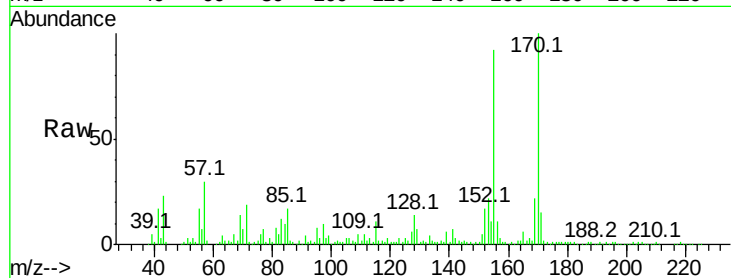




#56
2,4-Dinitrotoluene
Concen: 8.18 ng
RT: 13.06 min Scan# 1891
Delta R.T. 0.04 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

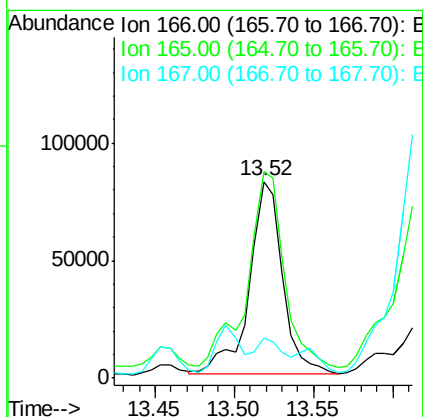
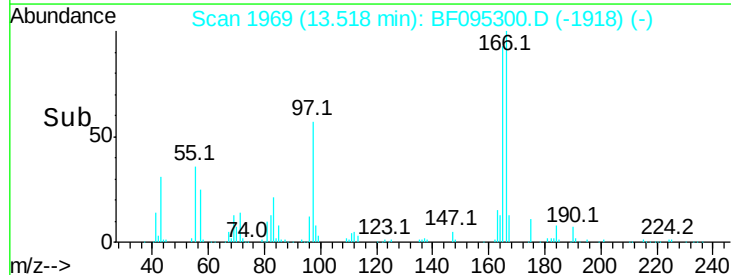
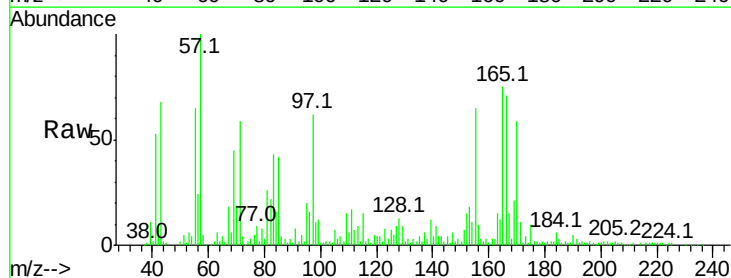
Instrument :
BNA_F
ClientSampleId :

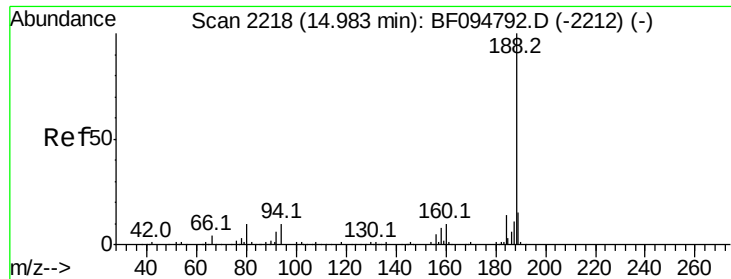
Tot Ion:165 Resp: 24994
Ion Ratio Lower Upper
165 100
63 63.9 25.4 38.0#
89 29.6 46.4 69.6#
182 8.9 1.8 2.6#



#57
Fluorene
Concen: 11.00 ng
RT: 13.52 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:166 Resp: 119457
Ion Ratio Lower Upper
166 100
165 105.2 78.8 118.2
167 20.7 10.6 16.0#

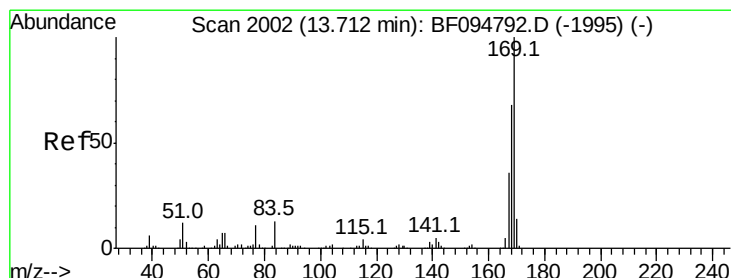
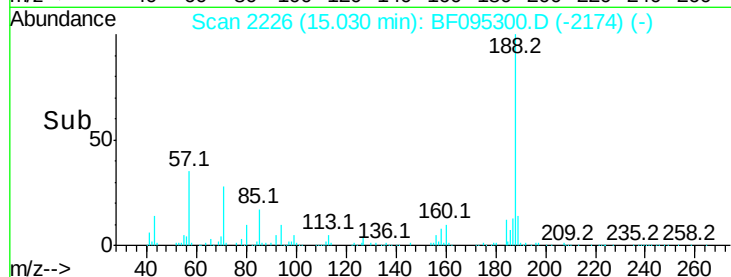
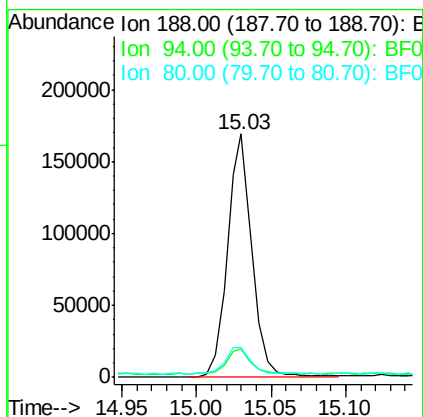
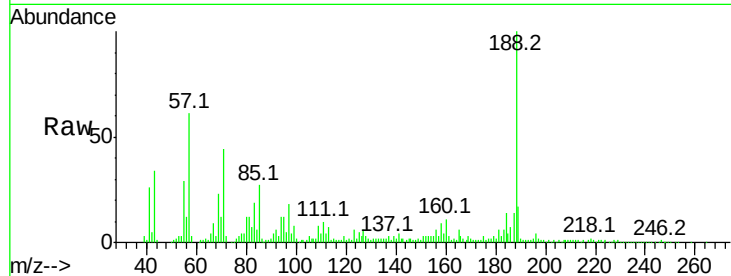




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

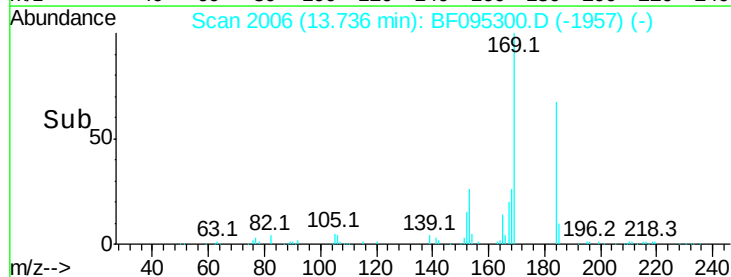
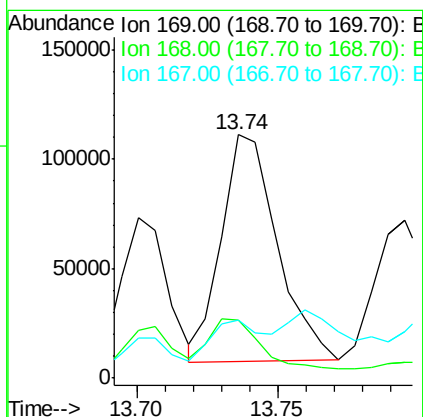
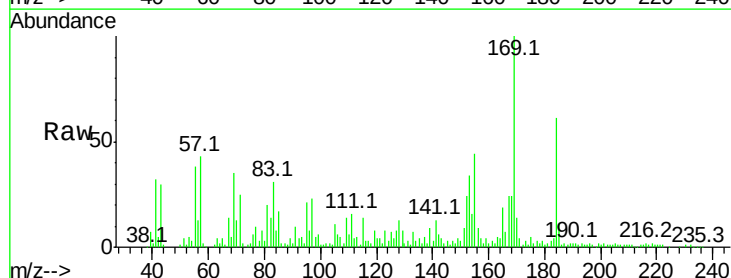
Instrument :
 BNA_F
 ClientSampleId :

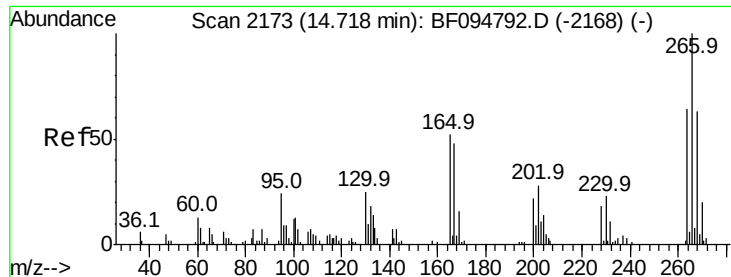
Tot Ion:188 Resp: 193124
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 12.0 10.2 15.2



#65
 n-Nitrosodiphenylamine
 Concen: 20.33 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion:169 Resp: 142527
 Ion Ratio Lower Upper
 169 100
 168 23.6 53.2 79.8#
 167 24.1 29.5 44.3#

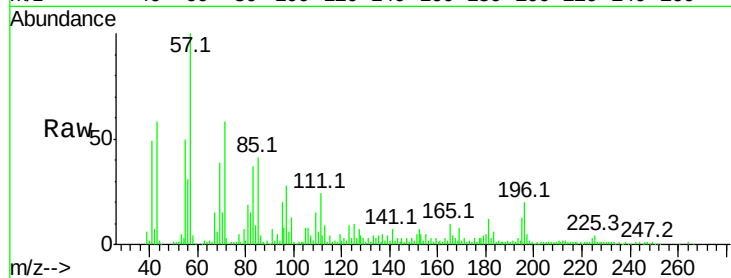




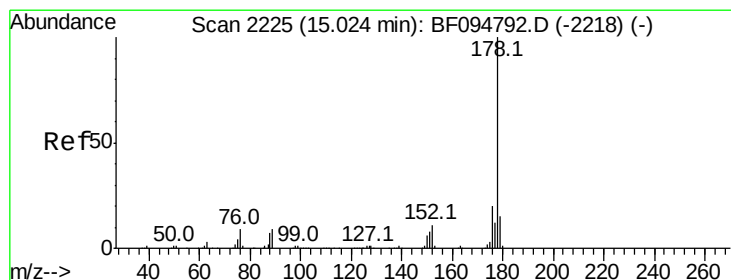
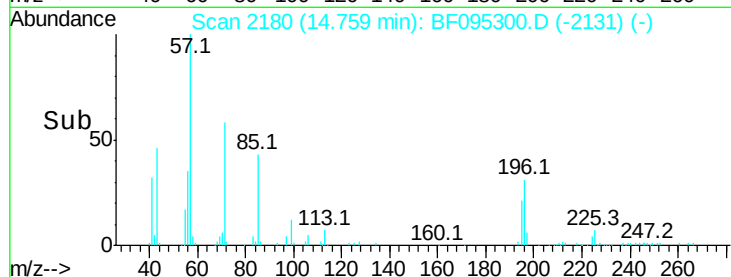
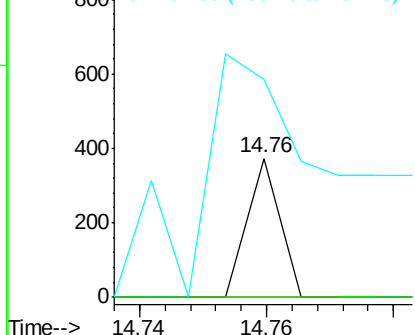
#69
 Pentachlorophenol
 Concen: 5.99 ng
 RT: 14.76 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 132
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 157.0 51.7 77.5#

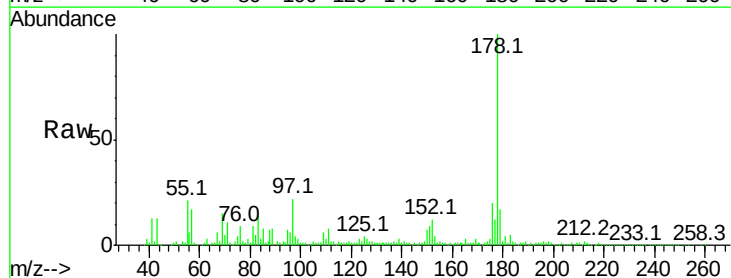


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

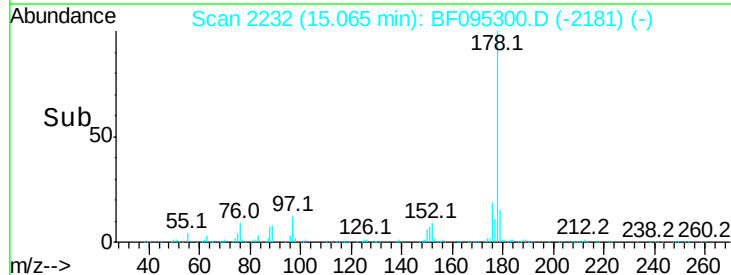
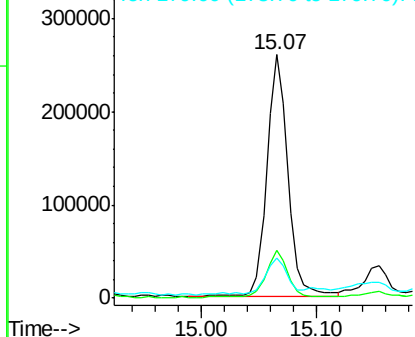


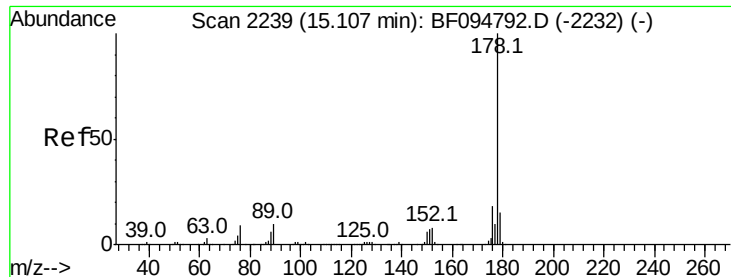
#70
 Phenanthrene
 Concen: 29.97 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion:178 Resp: 332562
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 16.7 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

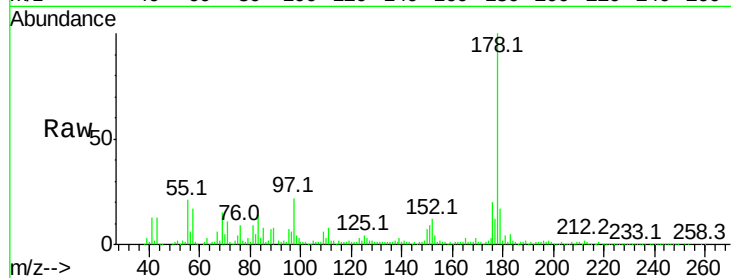




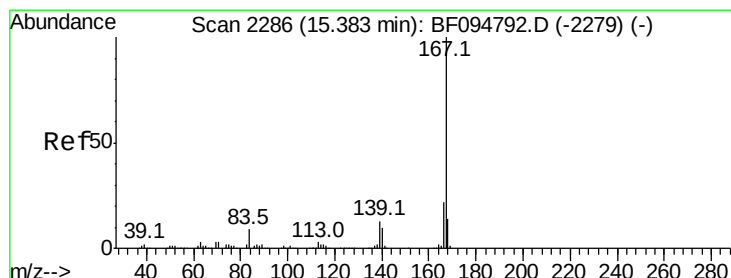
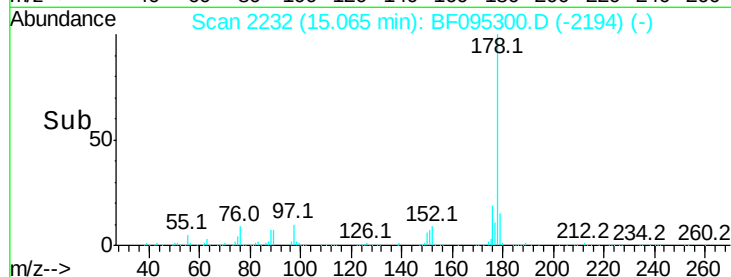
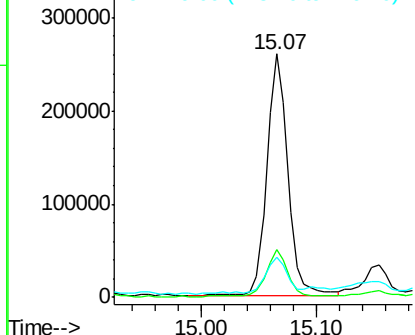
#71
 Anthracene
 Concen: 29.34 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. -0.08 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 332562
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 16.7 12.7 19.1

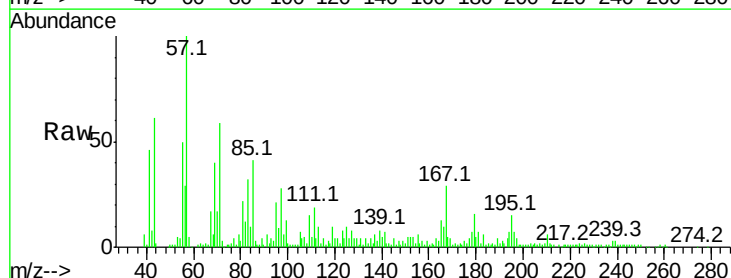


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

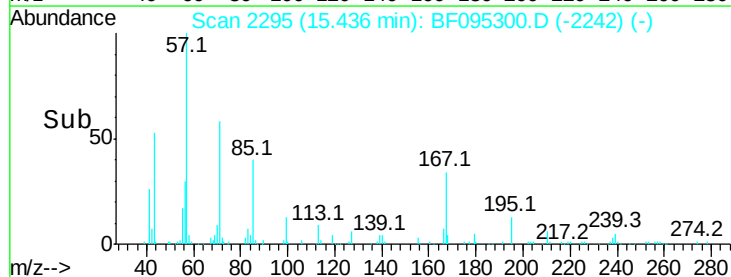
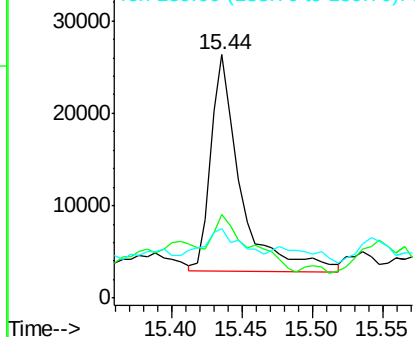


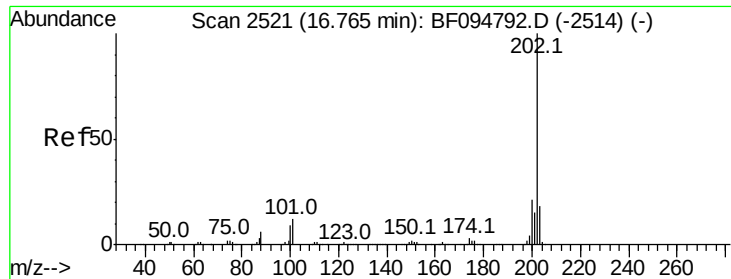
#72
 Carbazole
 Concen: 3.34 ng
 RT: 15.44 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion:167 Resp: 34450
 Ion Ratio Lower Upper
 167 100
 166 34.4 18.1 27.1#
 139 28.7 11.7 17.5#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 13.03 ng

RT: 16.80 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

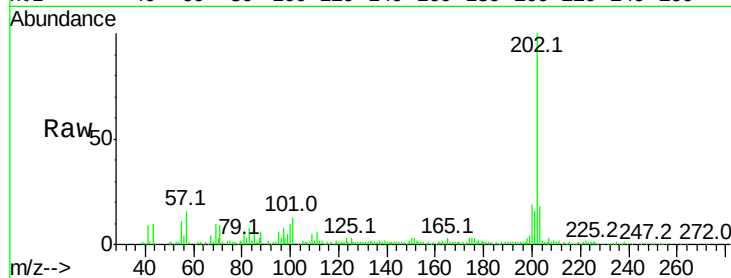
Tot Ion:202 Resp: 148305

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

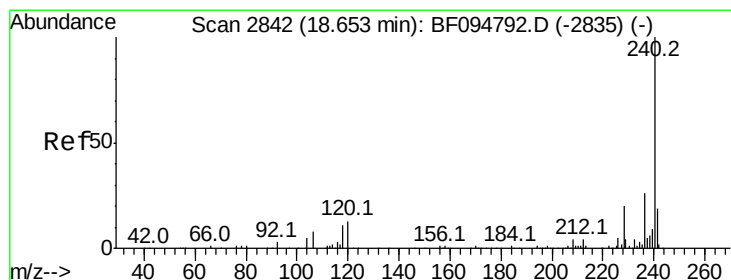
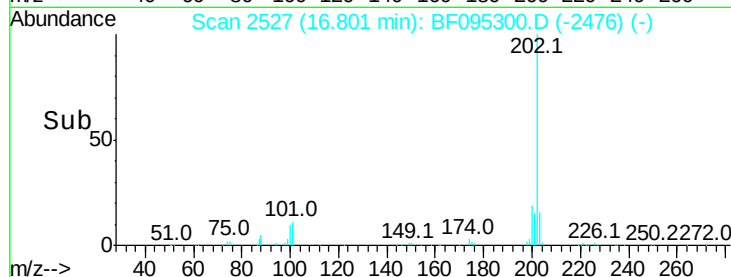
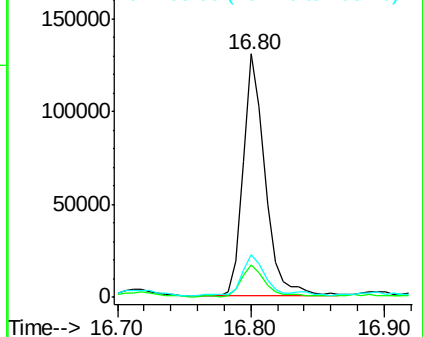
203 17.5 0.0 38.1



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: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

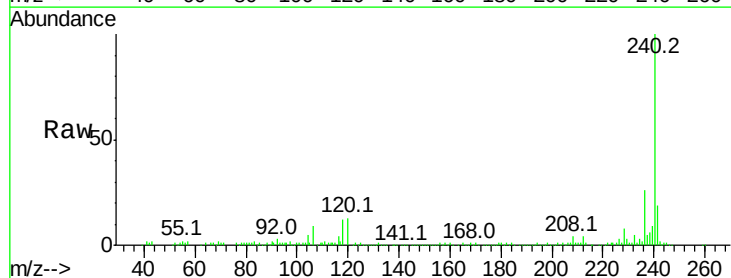
Tgt Ion:240 Resp: 187858

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

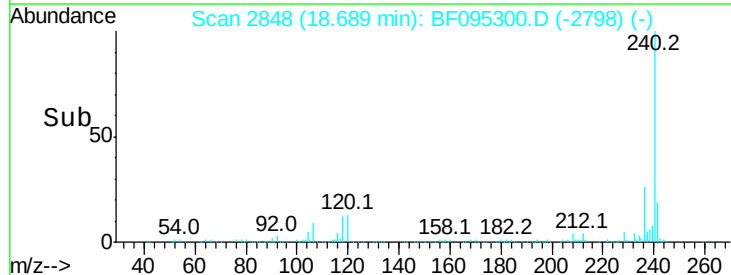
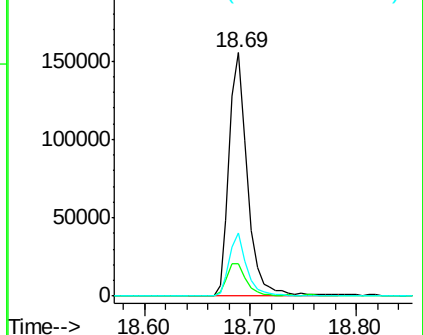
236 25.9 20.5 30.7

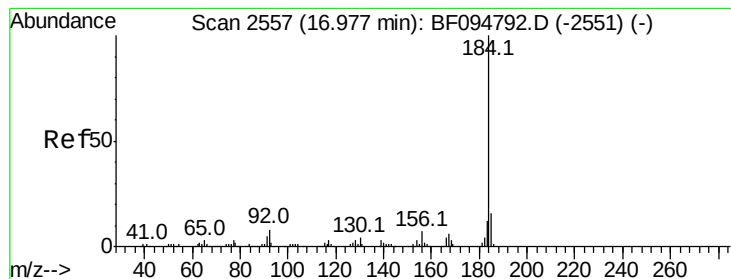


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.72 ng

RT: 17.03 min Scan# 2566

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

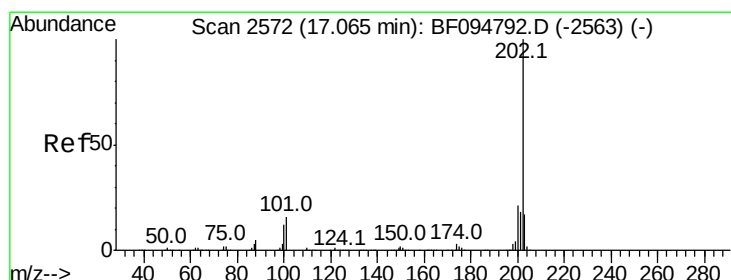
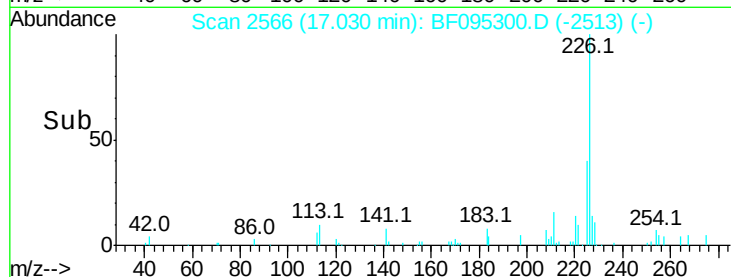
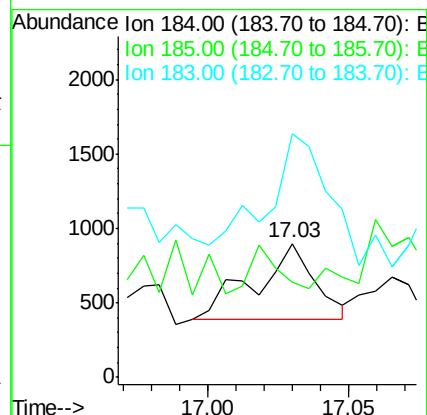
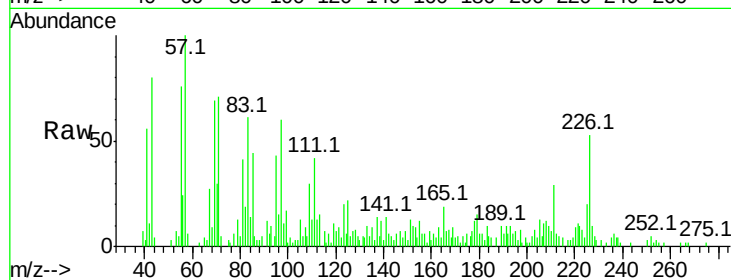
Tot Ion:184 Resp: 758

Ion Ratio Lower Upper

184 100

185 71.0 15.5 23.3#

183 181.7 9.8 14.6#



#77

Pyrene

Concen: 9.72 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

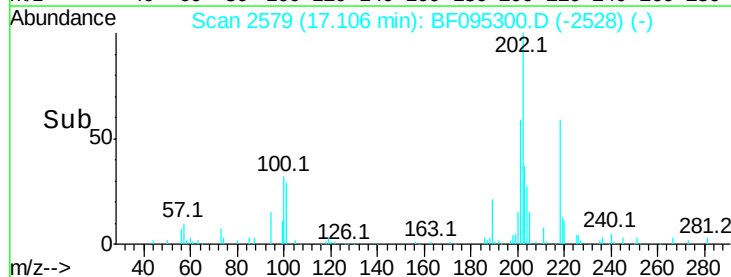
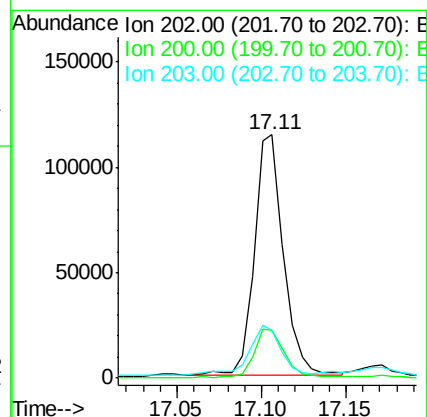
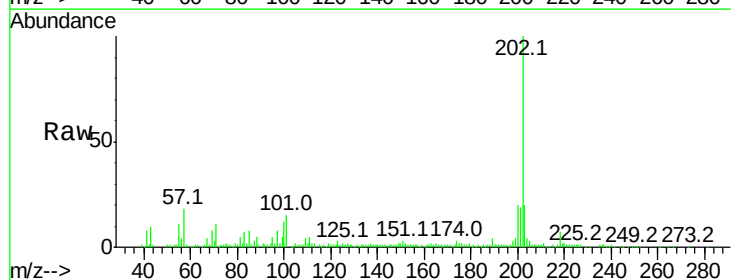
Tgt Ion:202 Resp: 136592

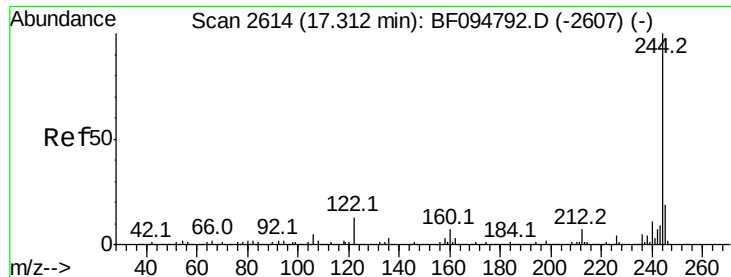
Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

203 19.8 14.4 21.6





#78

Terphenyl-d14

Concen: 45.99 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

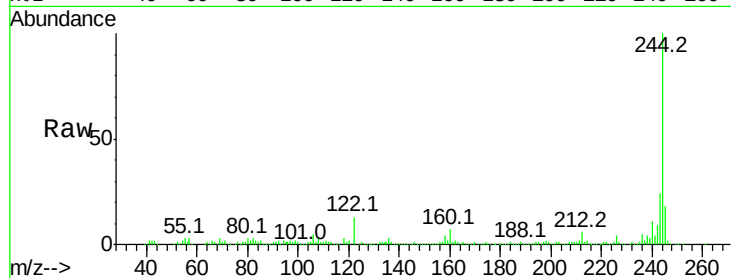
Tot Ion:244 Resp: 392281

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

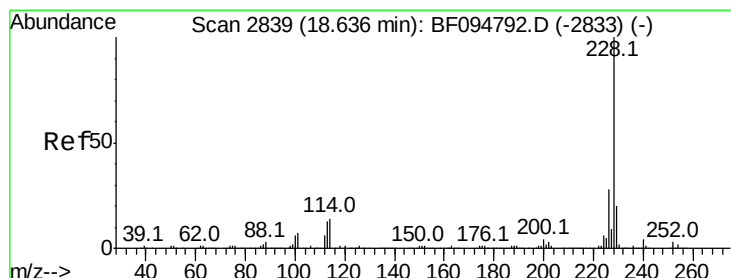
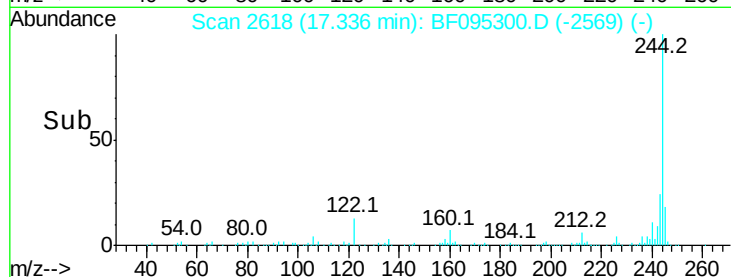
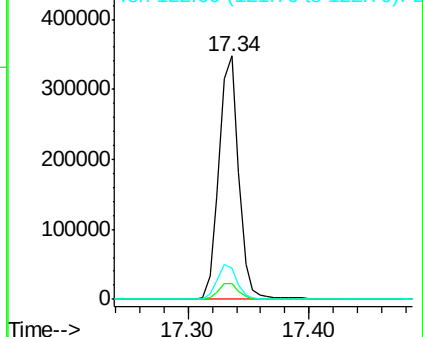
122 12.8 10.3 15.5



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: 5.06 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

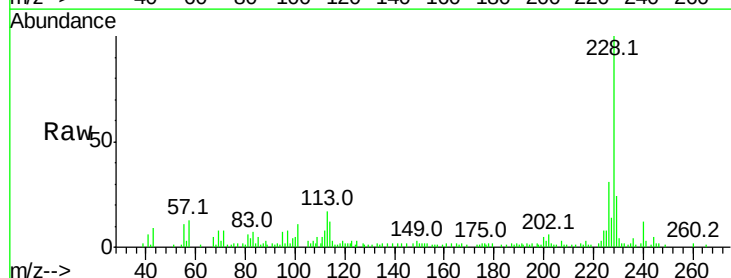
Tgt Ion:228 Resp: 55309

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

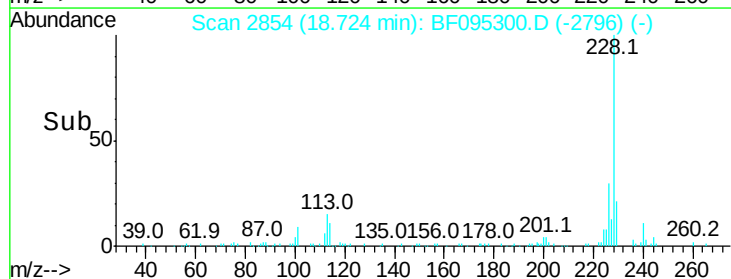
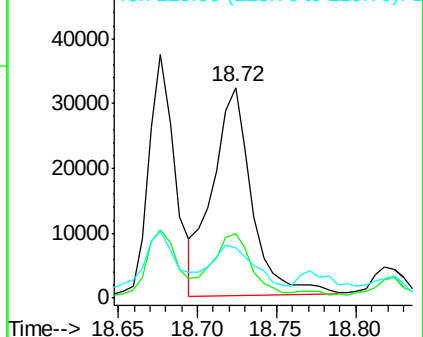
229 23.9 16.3 24.5

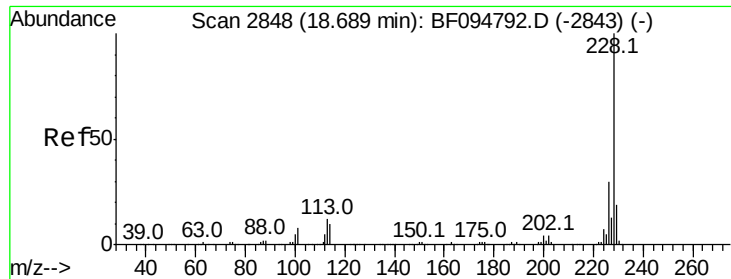


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

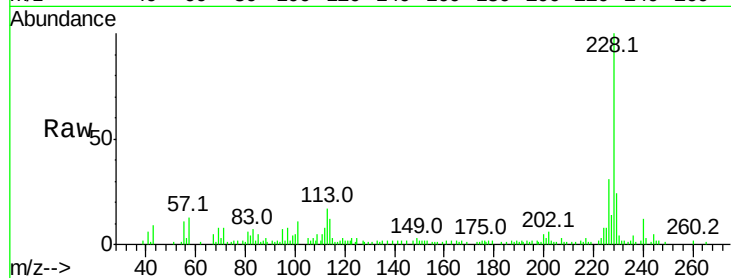




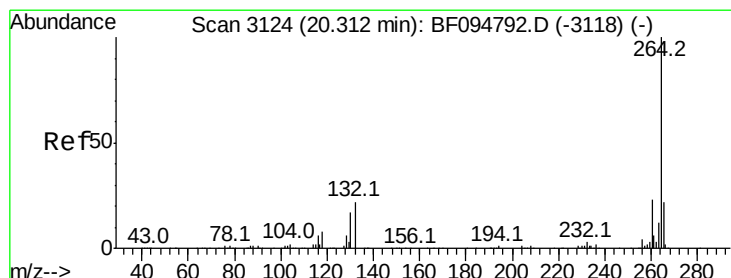
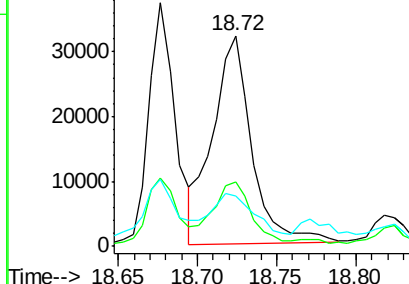
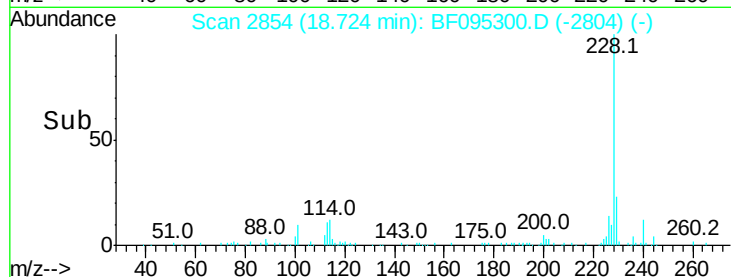
#82
Chrysene
Concen: 5.23 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 55309
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 23.9 15.8 23.6#

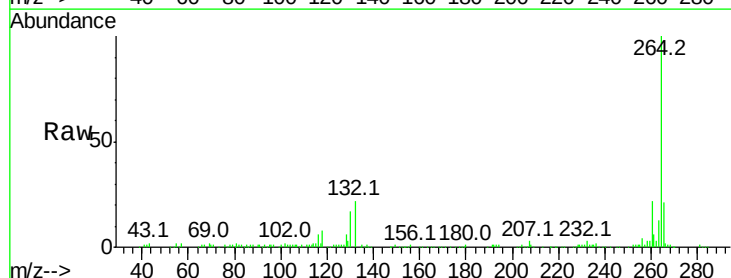


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

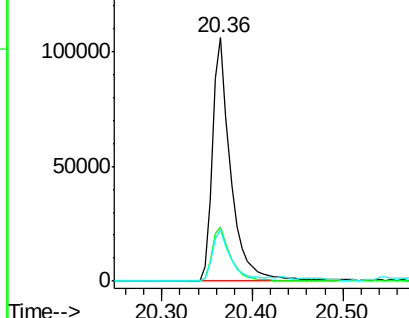
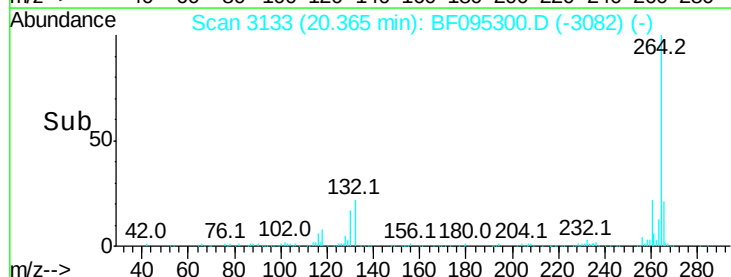


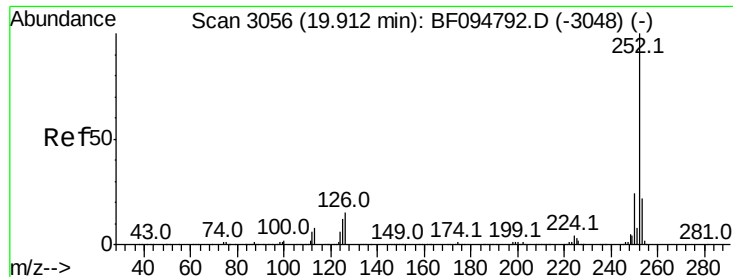
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:264 Resp: 150003
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 21.0 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: 6.99 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095300.D

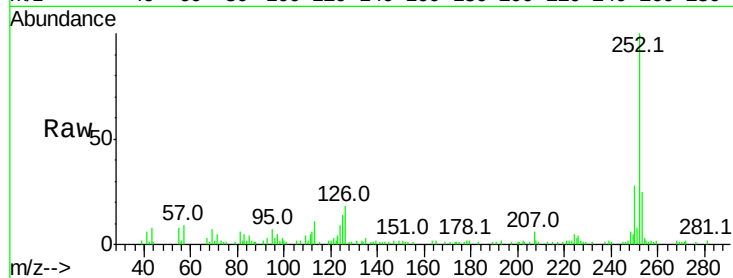
Acq: 20 May 2017 12:34

Instrument :

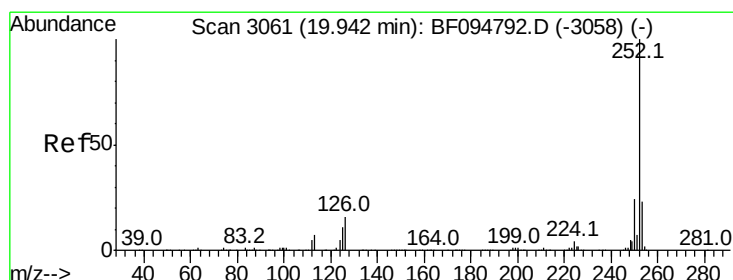
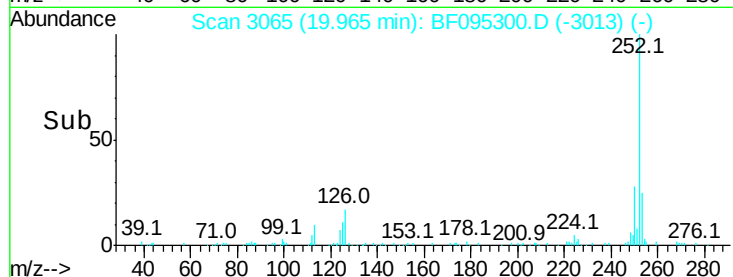
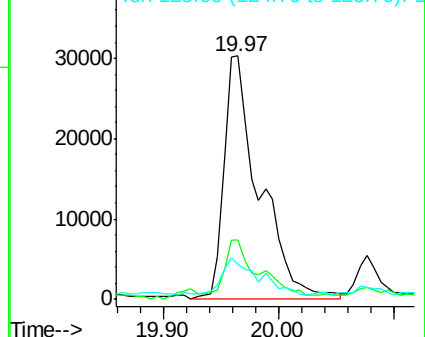
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	64745
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	14.2	9.8	14.8



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: 7.24 ng

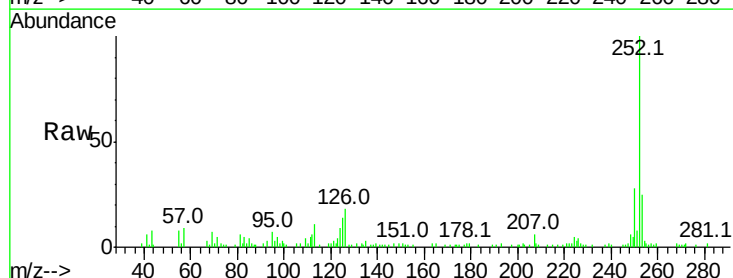
RT: 19.97 min Scan# 3065

Delta R.T. -0.02 min

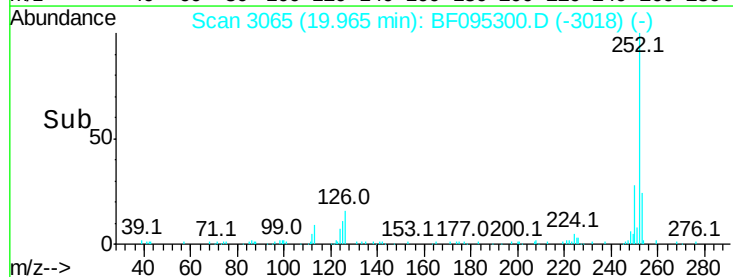
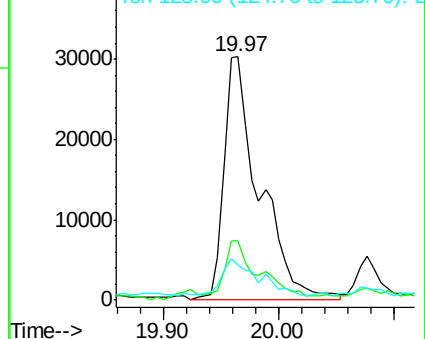
Lab File: BF095300.D

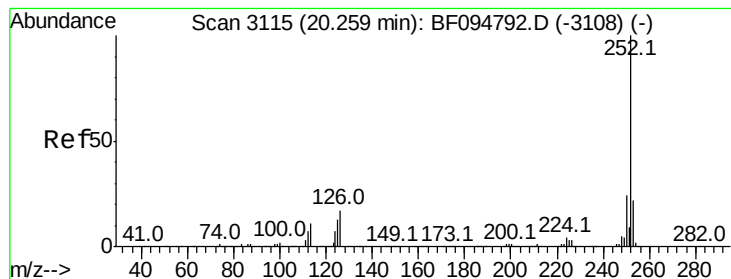
Acq: 20 May 2017 12:34

Tgt Ion:	252	Resp:	64745
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	14.2	13.1	19.7



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





#89

Benzo(a)pyrene

Concen: 3.41 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

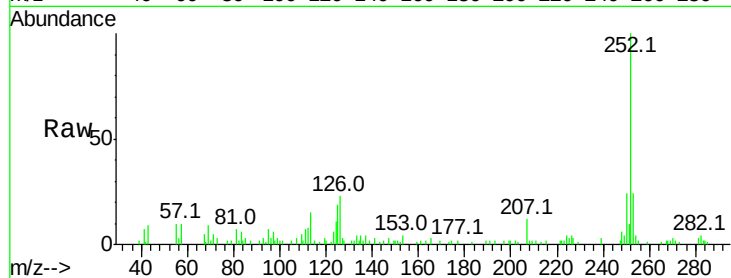
Tot Ion:252 Resp: 29130

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

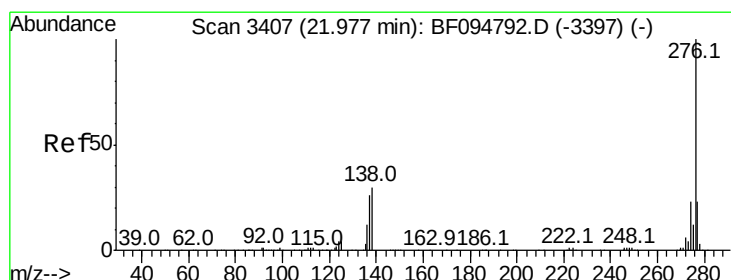
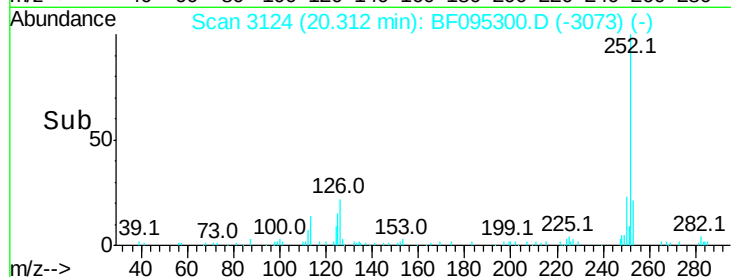
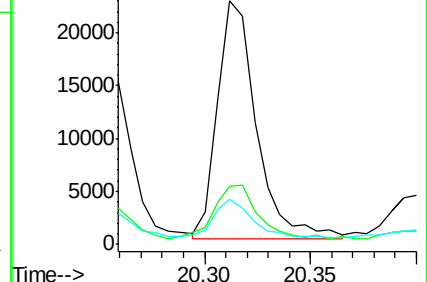
125 18.8 11.0 16.4#



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: 2.19 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.03 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

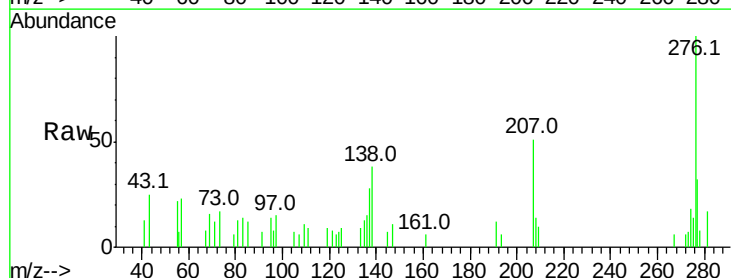
Tgt Ion:276 Resp: 15183

Ion Ratio Lower Upper

276 100

277 31.9 18.6 28.0#

138 37.6 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

