

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095427.D
 Acq On : 25 May 2017 17:11
 Operator : SJ/MA
 Sample : I3343-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 01:12:36 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	7.74	152	102791	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	407132	20.00	ng	-0.02
38) Acenaphthene-d10	12.61	164	182288	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	288663	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	196195	20.00	ng	-0.02
86) Perylene-d12	20.35	264	183715	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	692627	112.34	ng	-0.03
7) Phenol-d6	7.29	99	869955	117.60	ng	-0.02
23) Nitrobenzene-d5	8.65	82	475343	73.62	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	151027	101.16	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	773643	61.09	ng	-0.02
78) Terphenyl-d14	17.32	244	523435	58.76	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.31	94	15802	2.03	ng	# 16
31) Naphthalene	9.80	128	124088	6.06	ng	99
32) Benzoic acid	9.63	122	2600	5.68	ng	# 36
35) Caprolactam	10.56	113	35580	21.25	ng	# 74
37) 2-Methylnaphthalene	10.93	142	739986	55.10	ng	99
45) 1,1'-Biphenyl	11.69	154	146161	9.52	ng	98
47) 2-Nitroaniline	11.97	65	13247	3.91	ng	# 60
48) Acenaphthylene	12.38	152	63160	3.25	ng	# 62
49) Dimethylphthalate	12.24	163	323131	21.59	ng	# 99
50) 2,6-Dinitrotoluene	12.39	165	7124	2.33	ng	# 1
51) Acenaphthene	12.65	154	80798	6.97	ng	99
53) 2,4-Dinitrophenol	12.95	184	733	6.65	ng	# 1
54) Dibenzofuran	12.95	168	90339	5.63	ng	# 85
55) 4-Nitrophenol	13.04	139	22274	11.32	ng	87
56) 2,4-Dinitrotoluene	13.04	165	22962	5.85	ng	# 50
57) Fluorene	13.50	166	161829	11.60	ng	# 92
65) n-Nitrosodiphenylamine	13.72	169	150419	14.36	ng	# 56
69) Pentachlorophenol	14.83	266	112	5.94	ng	# 18
70) Phenanthrene	15.05	178	1123608	67.75	ng	98
71) Anthracene	15.05	178	1123608	66.32	ng	99
72) Carbazole	15.42	167	75729	4.91	ng	# 88
74) Fluoranthene	16.79	202	1056375	62.09	ng	99
76) Benzidine	17.02	184	953	6.74	ng	# 1
77) Pyrene	17.09	202	892552	60.83	ng	99
80) Benzo(a)anthracene	18.67	228	382860	33.53	ng	98
82) Chrysene	18.71	228	363531	32.93	ng	100
83) Bis(2-ethylhexyl)phthalate	18.72	149	100629	10.35	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.69	276	195594	21.81	ng	# 90
87) Benzo(b)fluoranthene	19.95	252	601567	52.99	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	601567	54.94	ng	99
89) Benzo(a)pyrene	20.30	252	340823	32.54	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	46814	5.41	ng	# 92
91) Benzo(a,h,i)perylene	22.08	276	180355	21.24	ng	97

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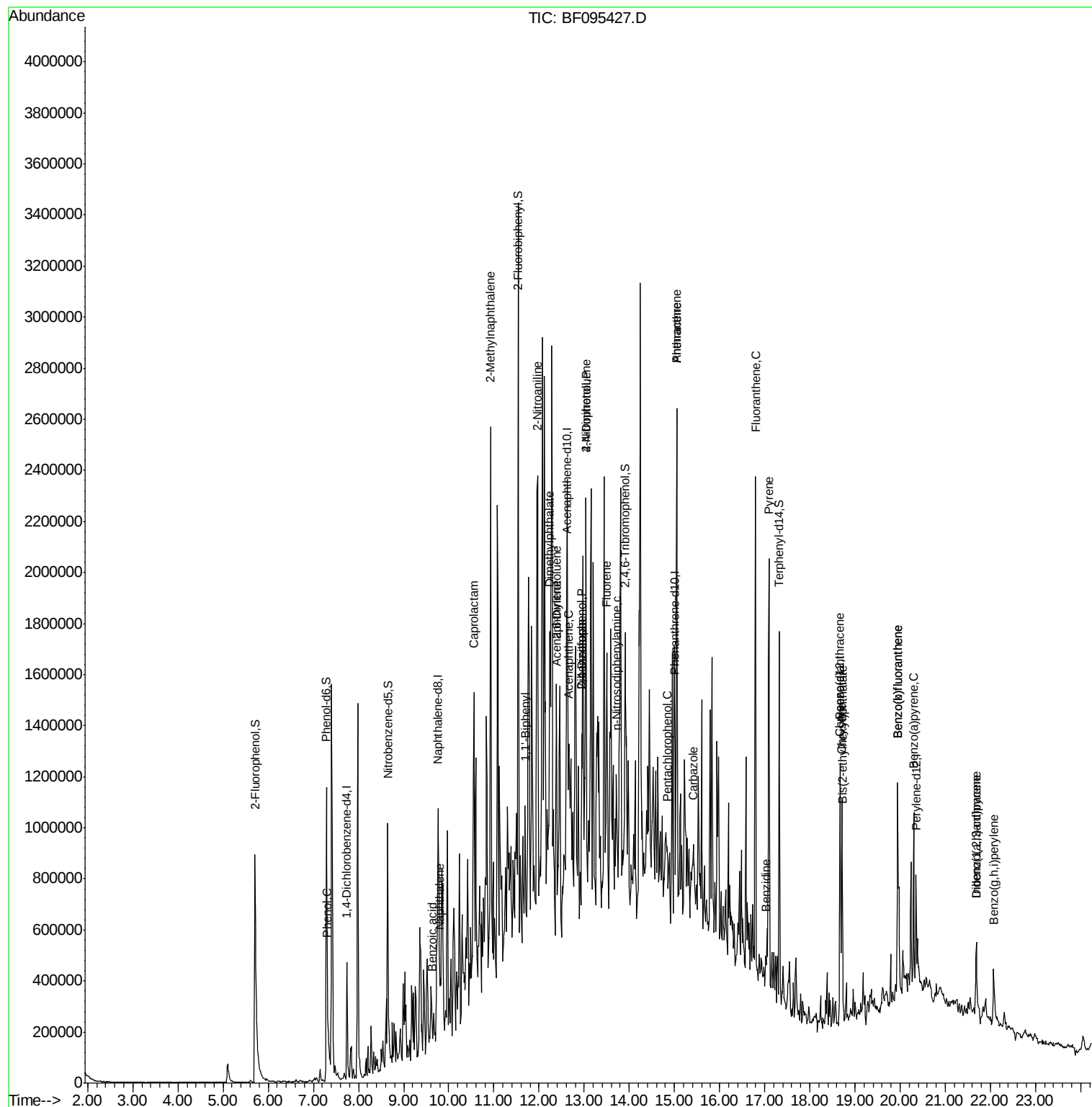
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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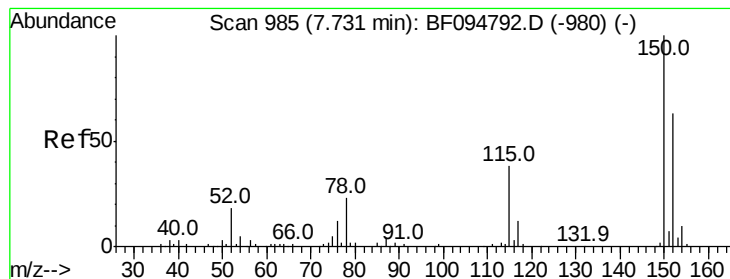
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
ClientSampled :

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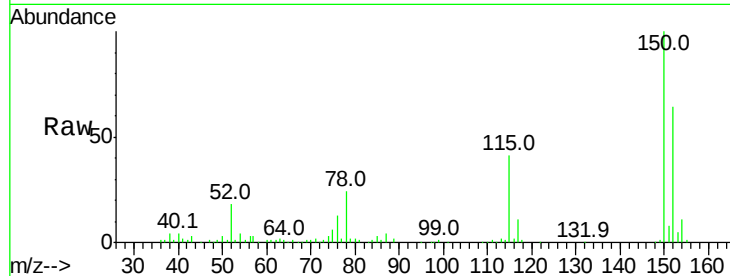


#1

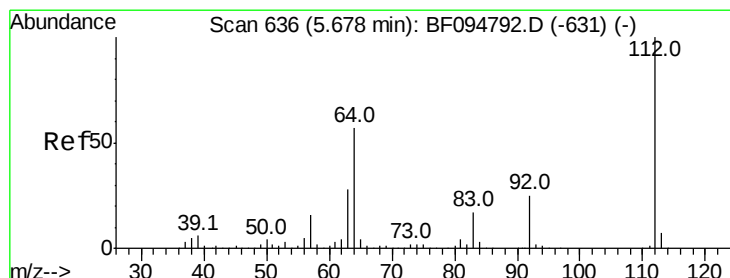
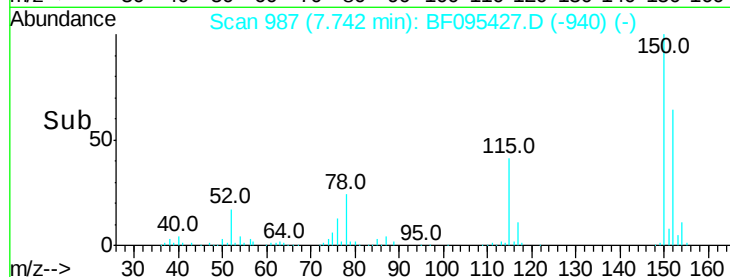
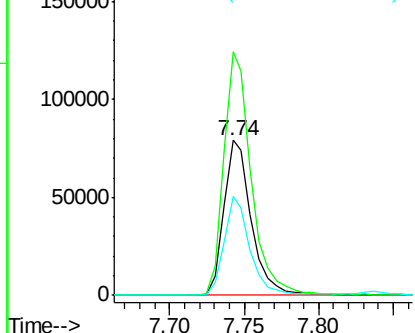
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102791
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 64.4 52.2 78.2



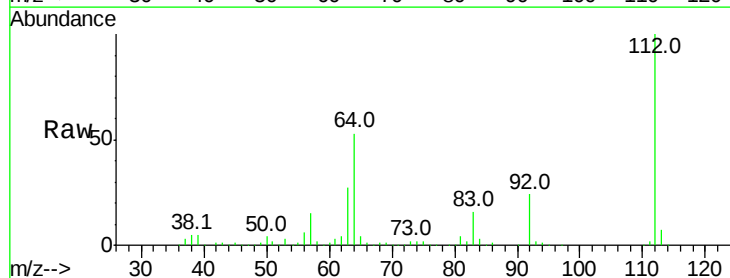
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



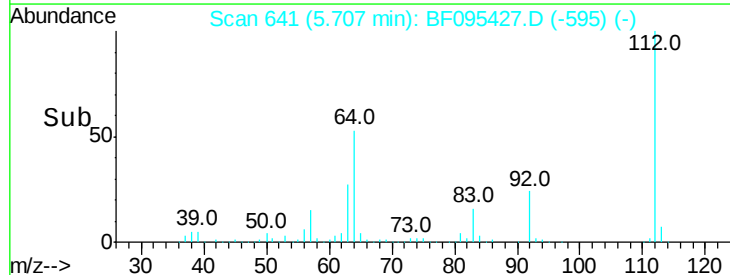
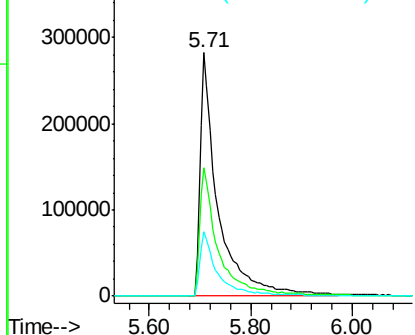
#5

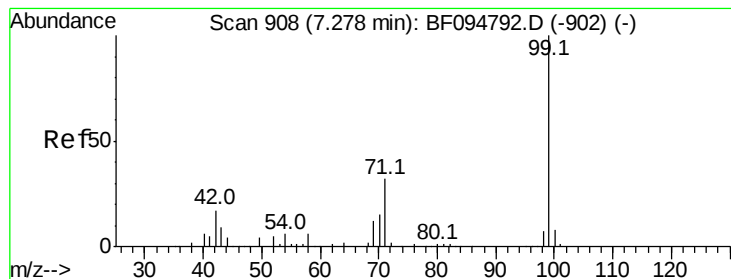
2-Fluorophenol
Concen: 112.34 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion:112 Resp: 692627
Ion Ratio Lower Upper
112 100
64 52.7 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: 117.60 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

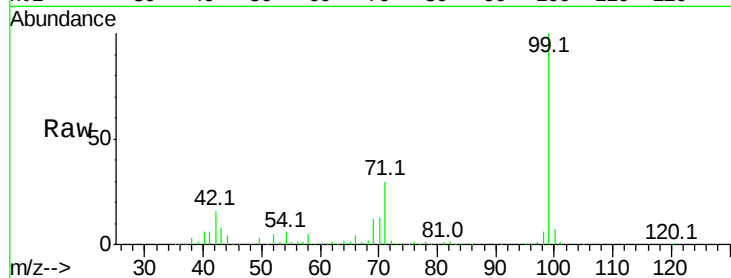
Tot Ion: 99 Resp: 869955

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

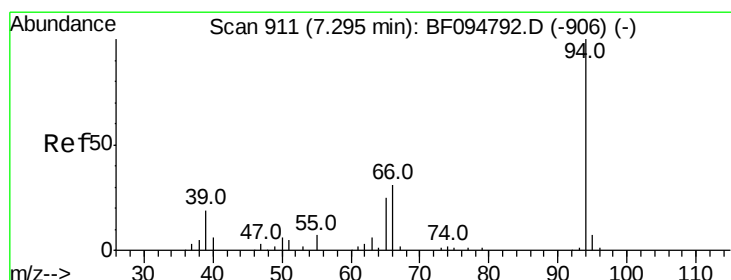
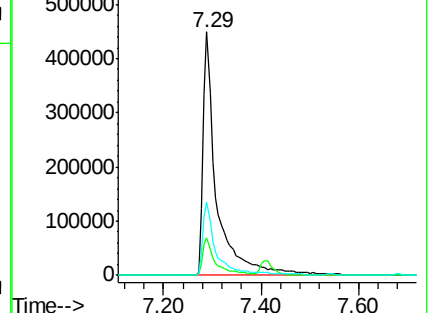
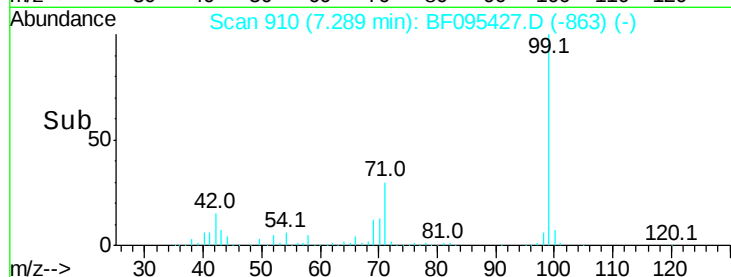
71 30.1 24.5 36.7



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



#10

Phenol

Concen: 2.03 ng

RT: 7.31 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

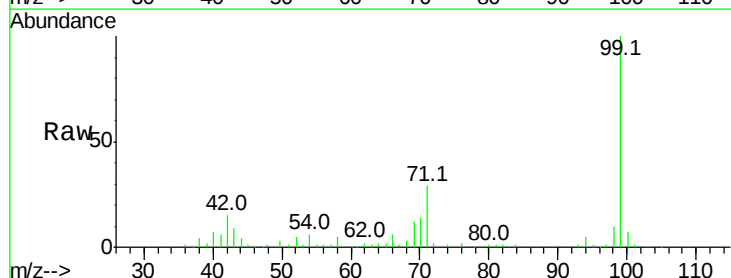
Tgt Ion: 94 Resp: 15802

Ion Ratio Lower Upper

94 100

65 45.5 9.9 49.9

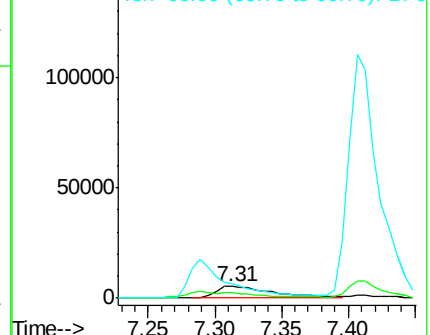
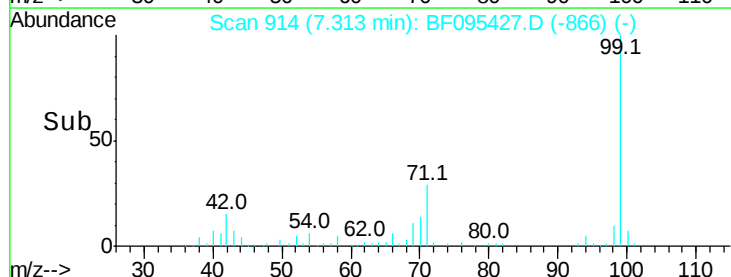
66 121.1 23.1 63.1#

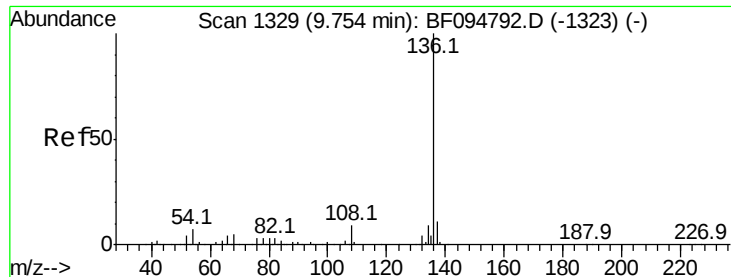


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

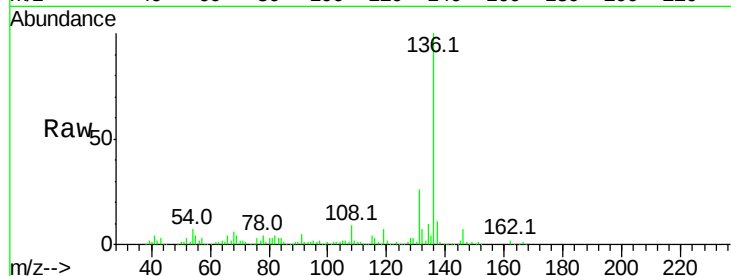




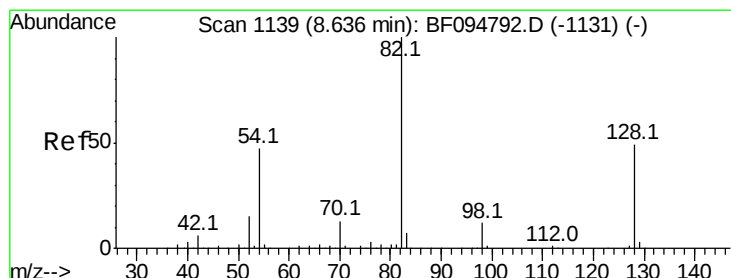
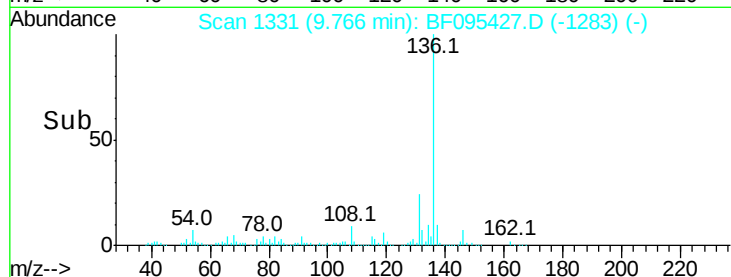
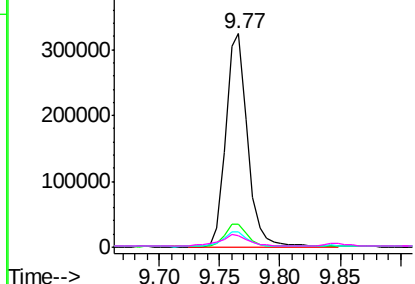
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	407132
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	7.0	4.9 7.3
68	5.6	4.1 6.1

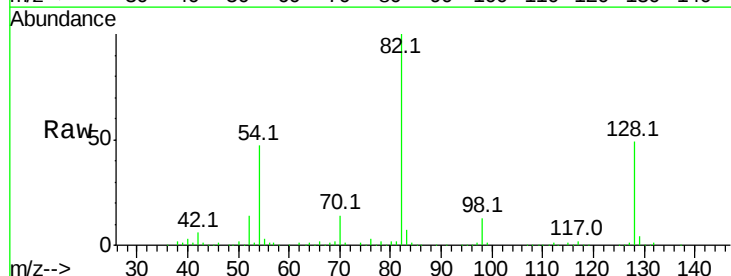


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

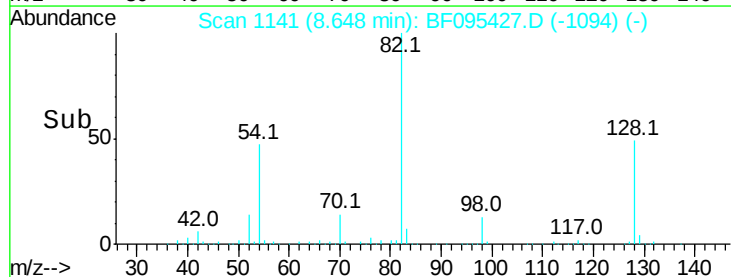
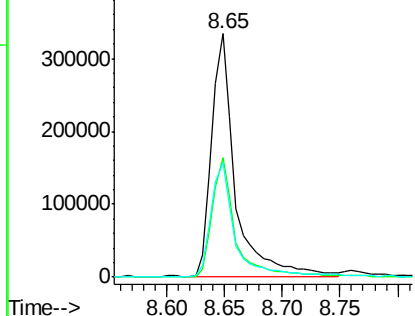


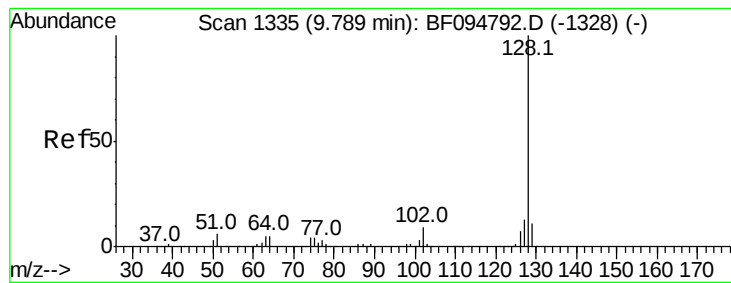
#23
Nitrobenzene-d5
Concen: 73.62 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion: 82	Resp:	475343
Ion Ratio	Lower	Upper
82	100	
128	48.9	34.0 51.0
54	46.9	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





#31

Naphthalene

Concen: 6.06 ng

RT: 9.80 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

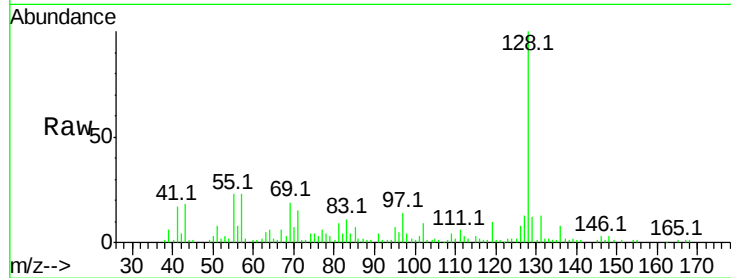
Tot Ion:128 Resp: 124088

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

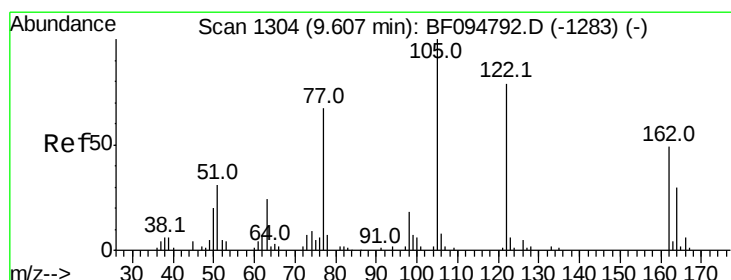
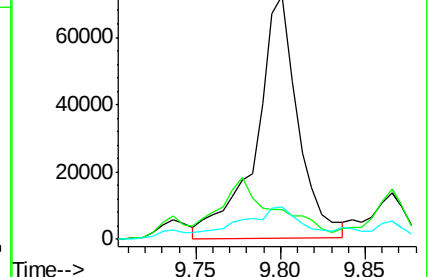
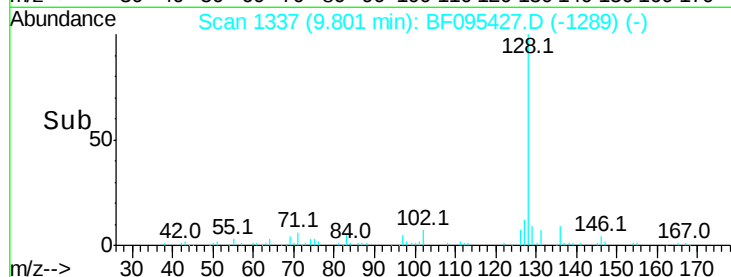
127 13.2 10.8 16.2



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: 5.68 ng

RT: 9.63 min Scan# 1308

Delta R.T. -0.04 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

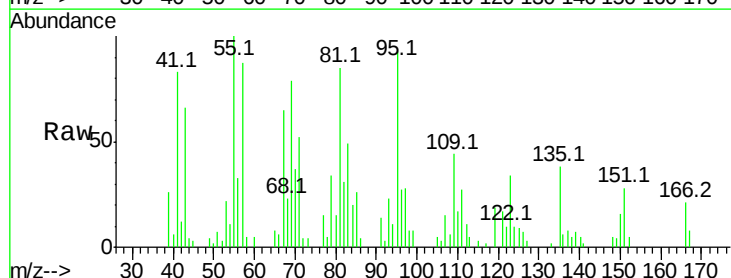
Tgt Ion:122 Resp: 2600

Ion Ratio Lower Upper

122 100

105 47.4 103.3 143.3#

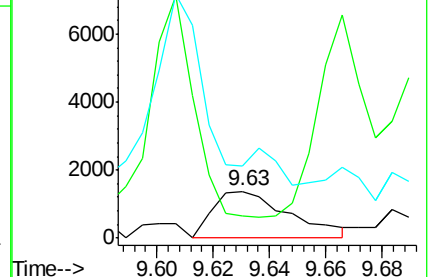
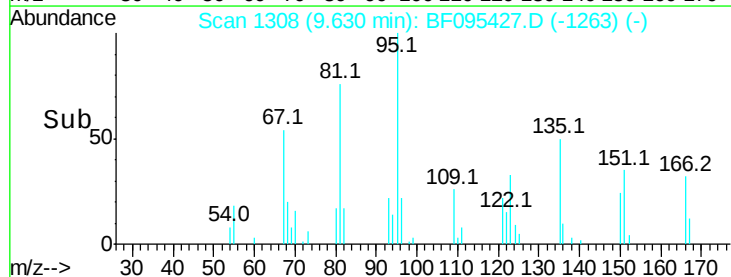
77 151.9 73.7 113.7#

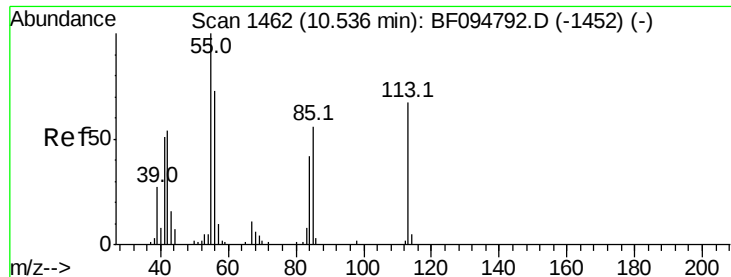


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 21.25 ng

RT: 10.56 min Scan# 1466

Delta R.T. -0.04 min

Lab File: BF095427.D

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ClientSampleId :

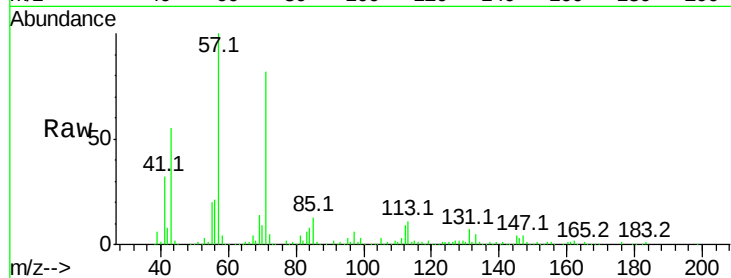
Tot Ion:113 Resp: 35580

Ion Ratio Lower Upper

113 100

55 179.3 150.2 190.2

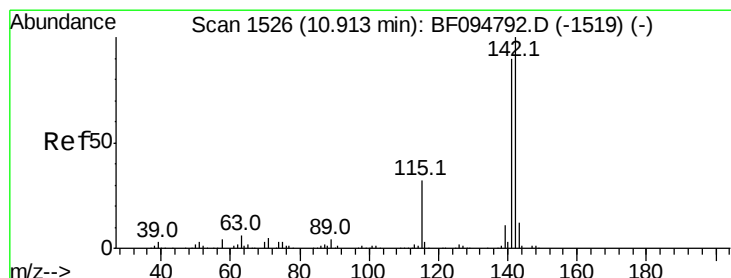
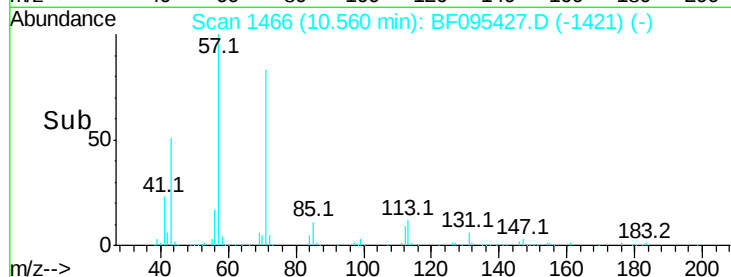
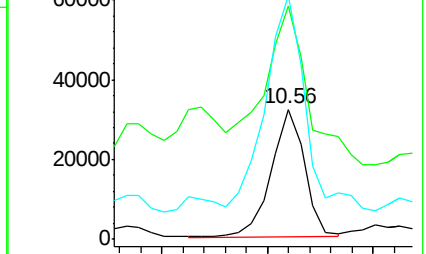
56 186.8 107.8 147.8#



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: 55.10 ng

RT: 10.93 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

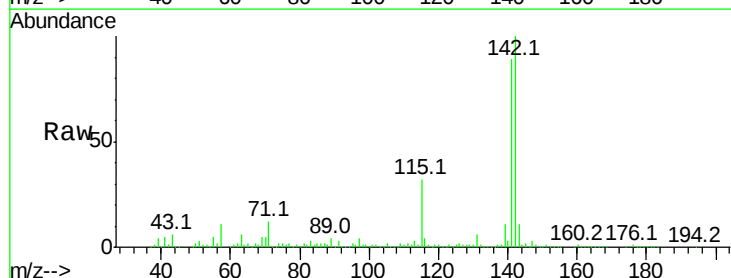
Tgt Ion:142 Resp: 739986

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

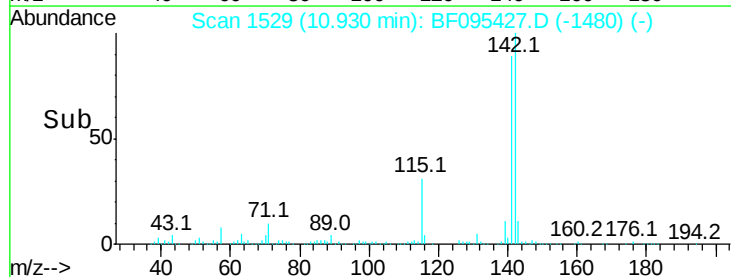
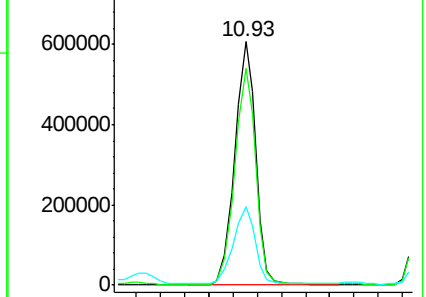
115 32.0 27.1 40.7

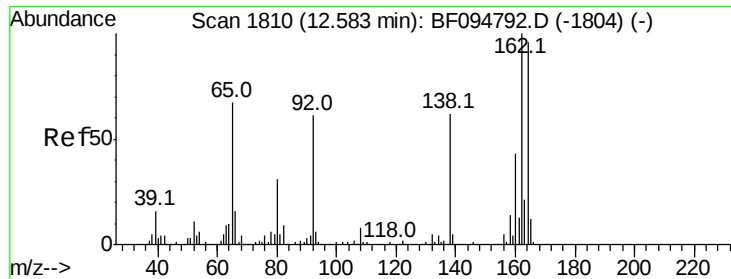


Abundance Ion 142.00 (141.70 to 142.70): E

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: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

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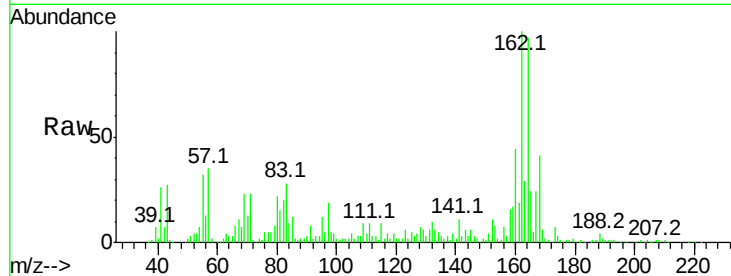
Tot Ion:164 Resp: 182288

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

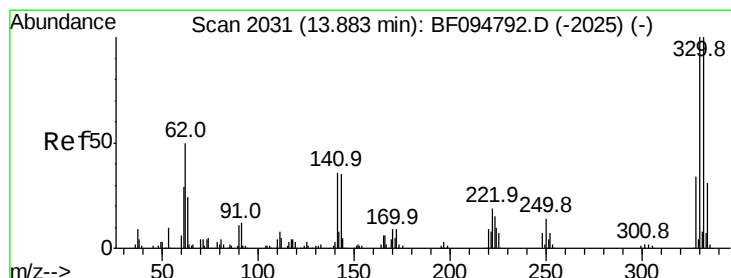
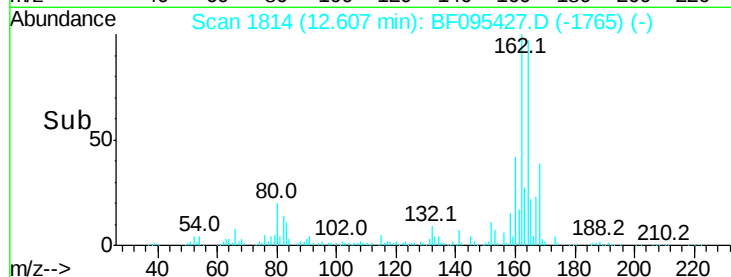
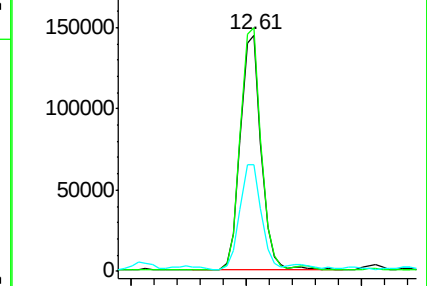
160 45.2 36.2 54.2



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: 101.16 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

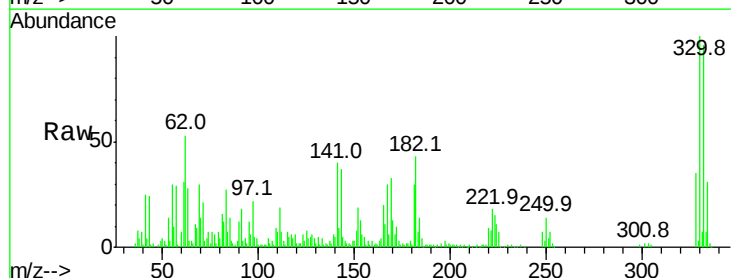
Tgt Ion:330 Resp: 151027

Ion Ratio Lower Upper

330 100

332 98.2 76.6 115.0

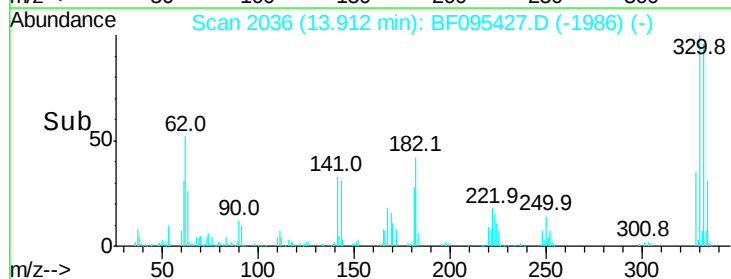
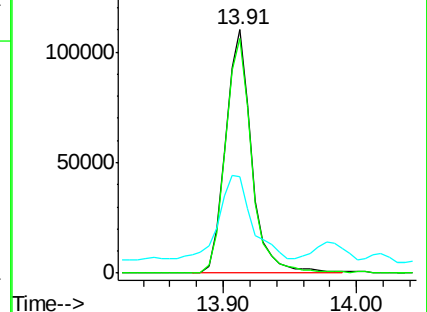
141 48.5 31.4 47.2#

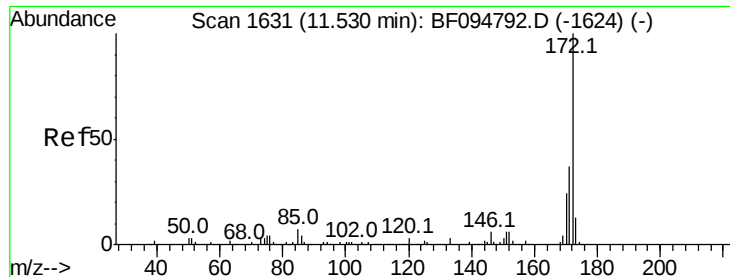


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

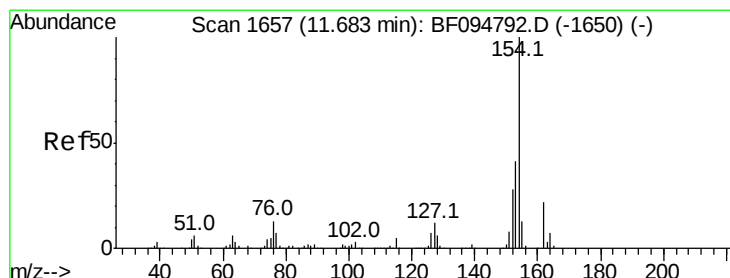
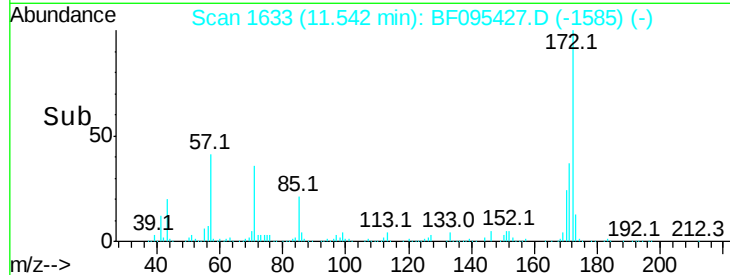
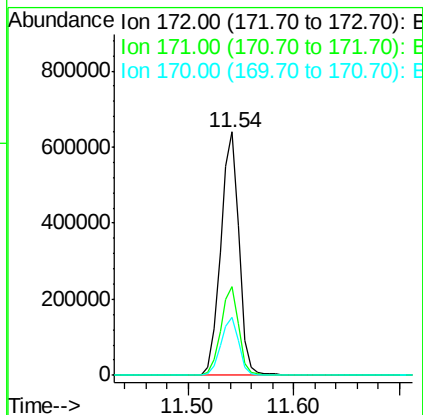
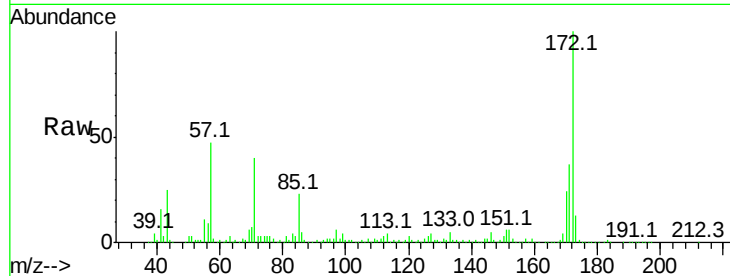




#44
2-Fluorobiphenyl
Concen: 61.09 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

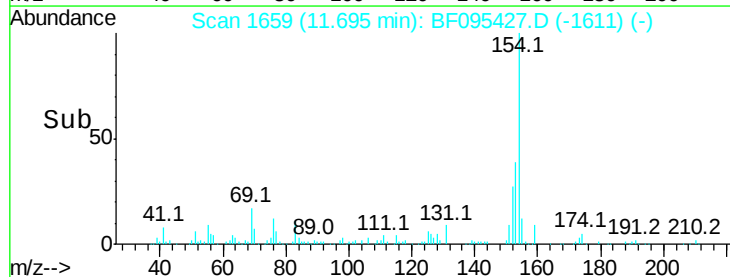
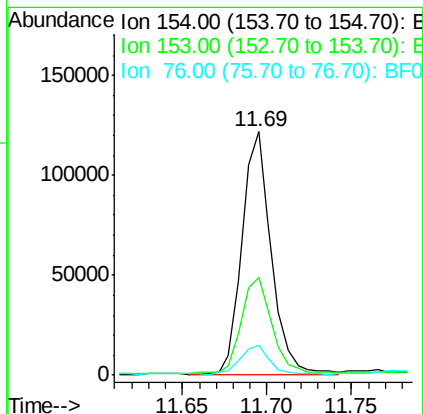
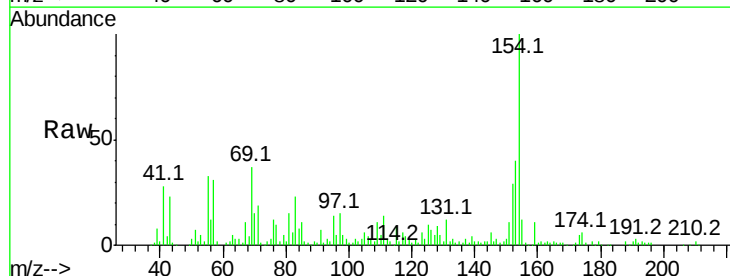
Instrument :
BNA_F
ClientSampleId :

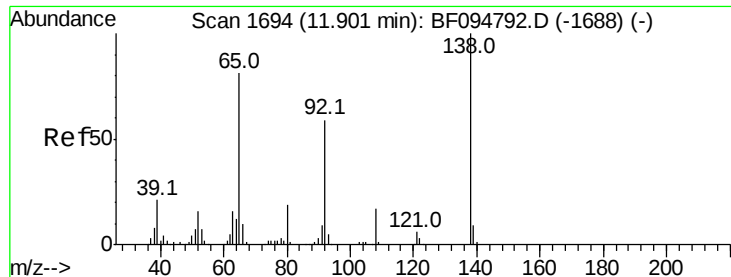
Tot Ion:172 Resp: 773643
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.8 19.8 29.8



#45
1,1'-Biphenyl
Concen: 9.52 ng
RT: 11.69 min Scan# 1659
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion:154 Resp: 146161
Ion Ratio Lower Upper
154 100
153 40.3 21.2 61.2
76 12.4 0.0 29.9





#47

2-Nitroaniline

Concen: 3.91 ng

RT: 11.97 min Scan# 1706

Delta R.T. 0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

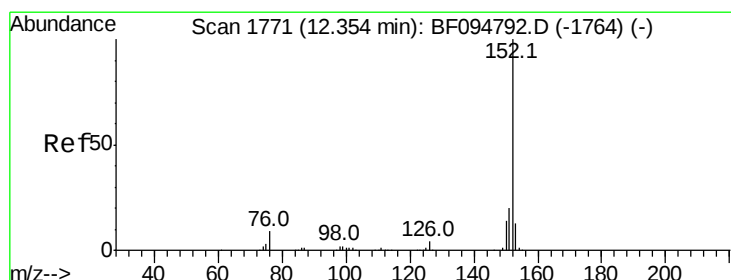
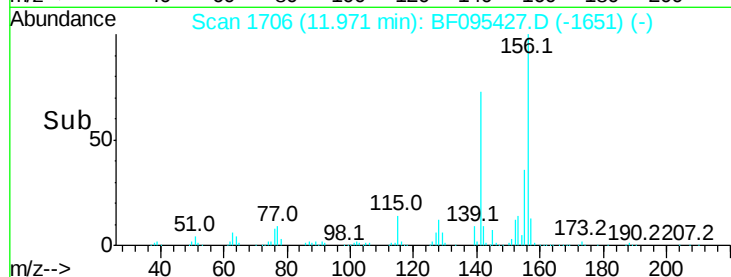
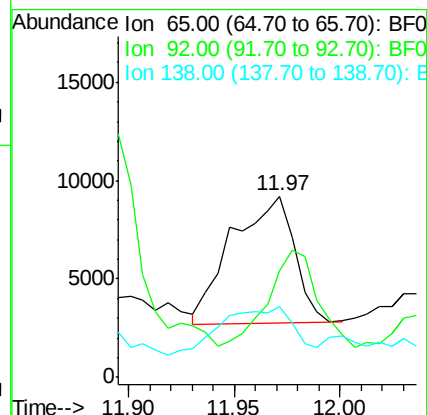
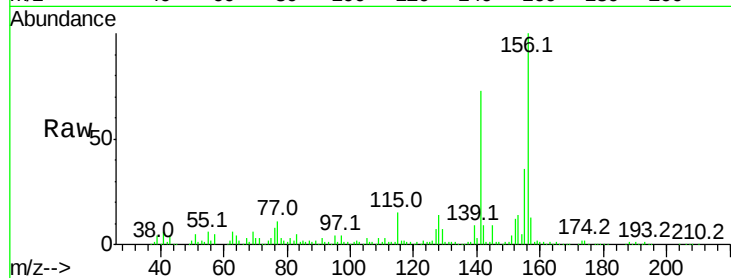
Tot Ion: 65 Resp: 13247

Ion Ratio Lower Upper

65 100

92 59.1 53.9 80.9

138 38.8 78.8 118.2#



#48

Acenaphthylene

Concen: 3.25 ng

RT: 12.38 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

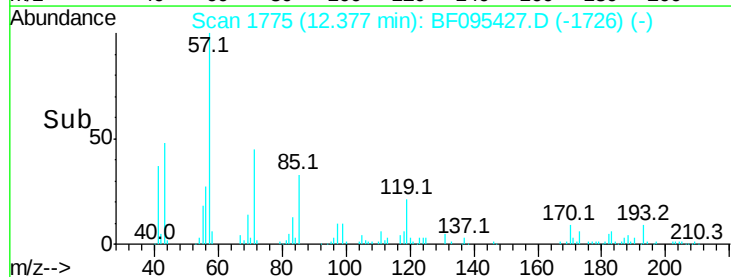
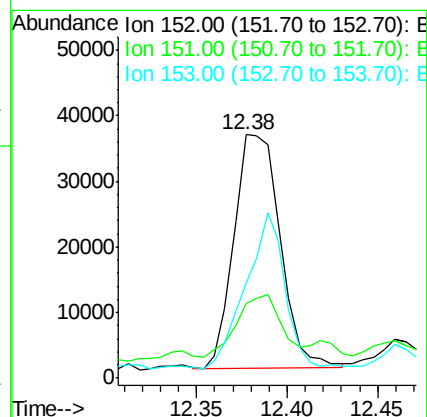
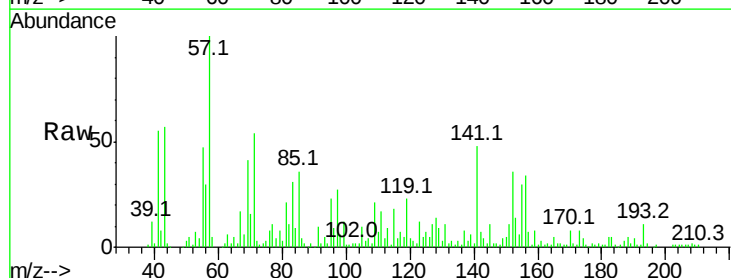
Tgt Ion: 152 Resp: 63160

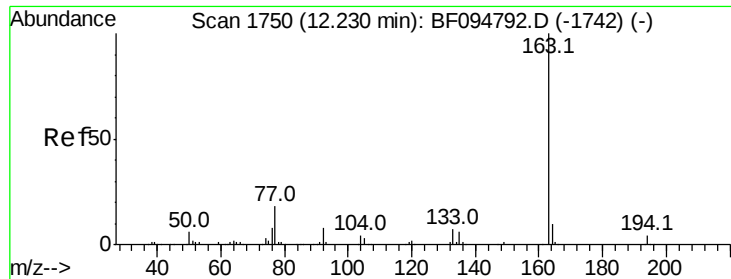
Ion Ratio Lower Upper

152 100

151 30.7 16.8 25.2#

153 39.2 10.8 16.2#





#49

Dimethylphthalate

Concen: 21.59 ng

RT: 12.24 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

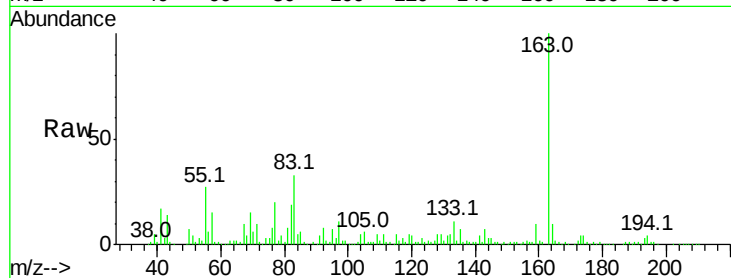
Tot Ion:163 Resp: 323131

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

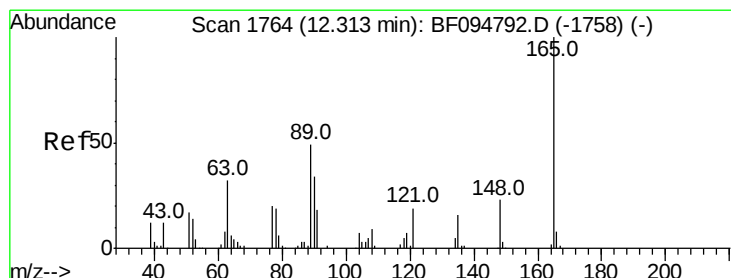
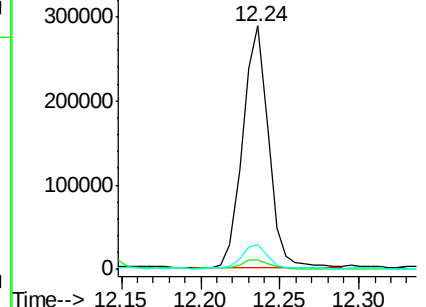
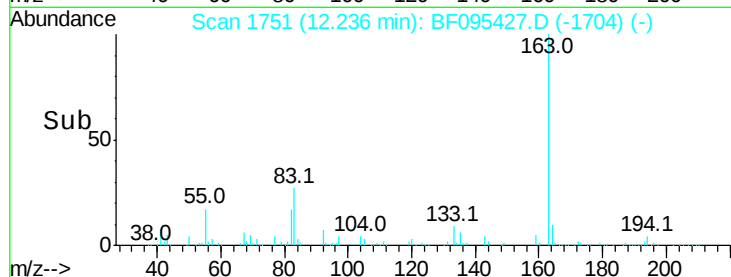
164 10.4 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 2.33 ng

RT: 12.39 min Scan# 1777

Delta R.T. 0.03 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

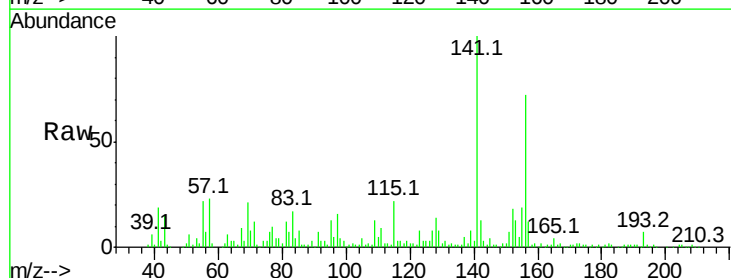
Tgt Ion:165 Resp: 7124

Ion Ratio Lower Upper

165 100

63 180.3 34.3 51.5#

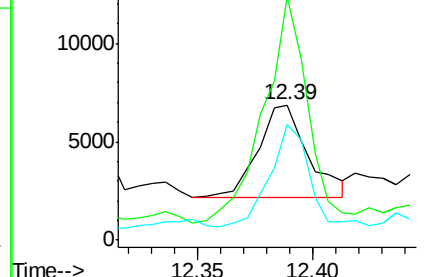
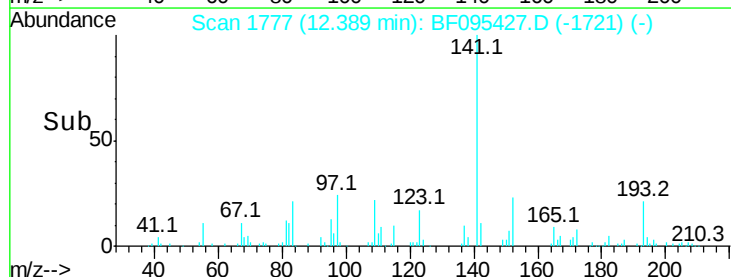
89 85.2 37.1 55.7#

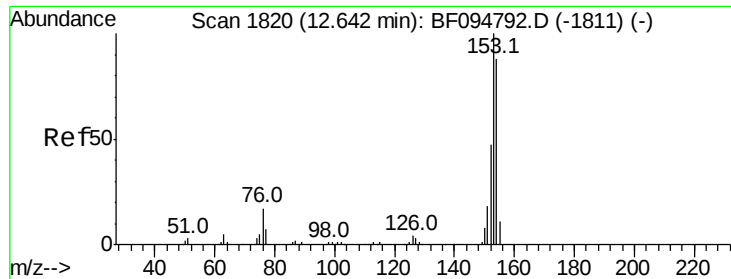


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.97 ng

RT: 12.65 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampled :

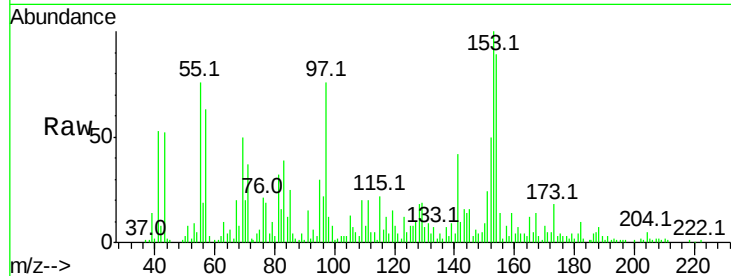
Tot Ion:154 Resp: 80798

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

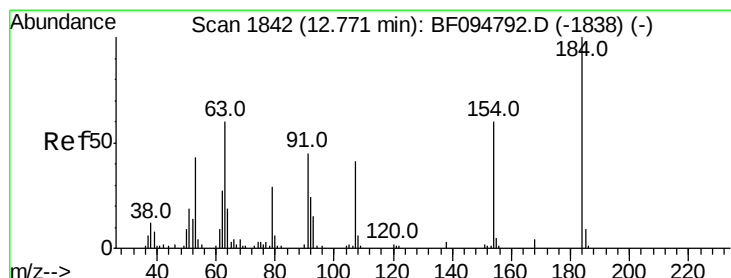
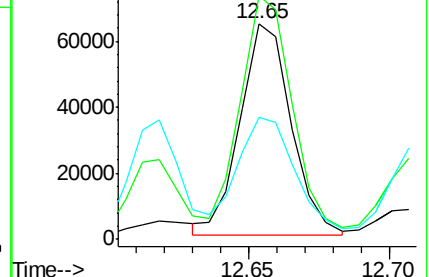
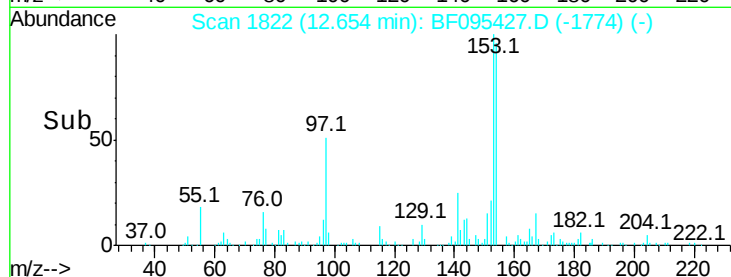
152 56.5 43.6 65.4



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: 6.65 ng

RT: 12.95 min Scan# 1872

Delta R.T. 0.10 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

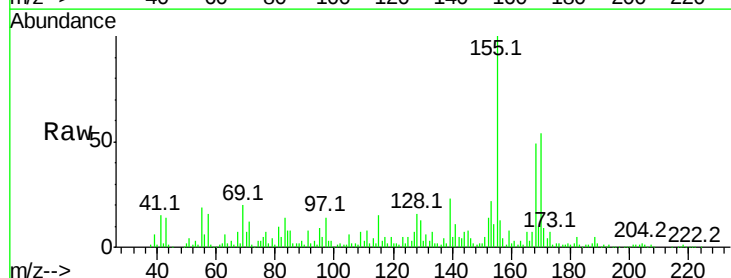
Tgt Ion:184 Resp: 733

Ion Ratio Lower Upper

184 100

63 1429.6 62.7 94.1#

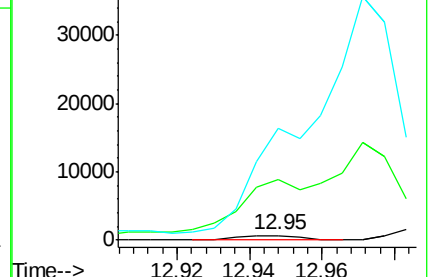
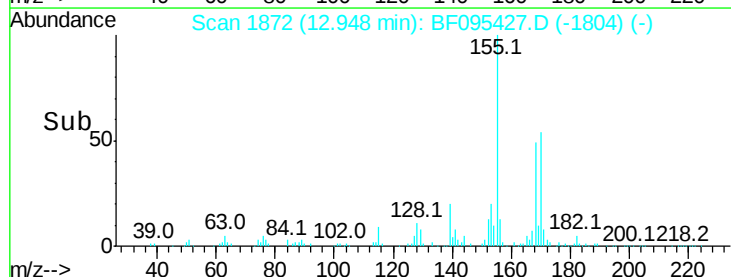
154 2635.9 81.1 121.7#

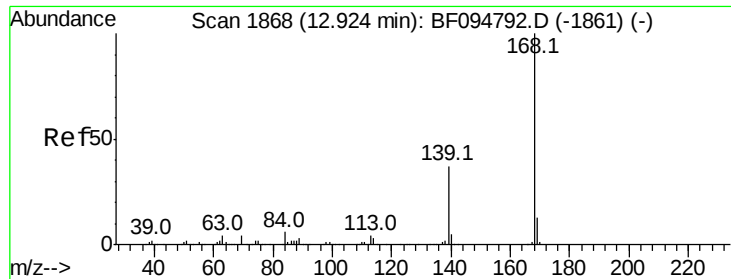


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.63 ng

RT: 12.95 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

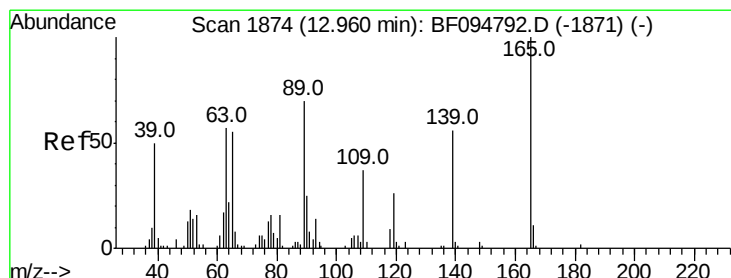
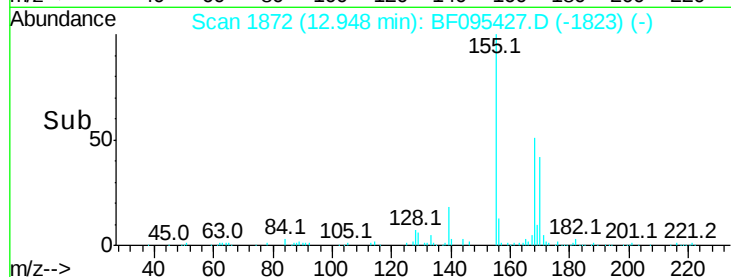
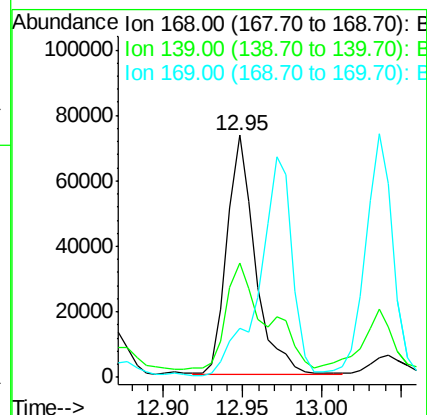
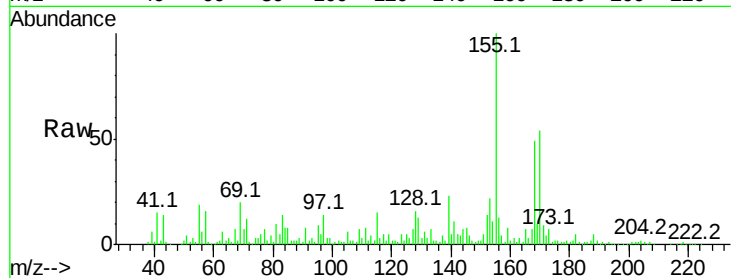
Tot Ion:168 Resp: 90339

Ion Ratio Lower Upper

168 100

139 47.0 30.6 45.8#

169 20.1 10.8 16.2#



#55

4-Nitrophenol

Concen: 11.32 ng

RT: 13.04 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

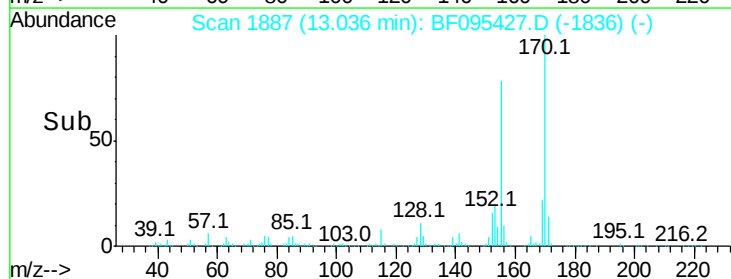
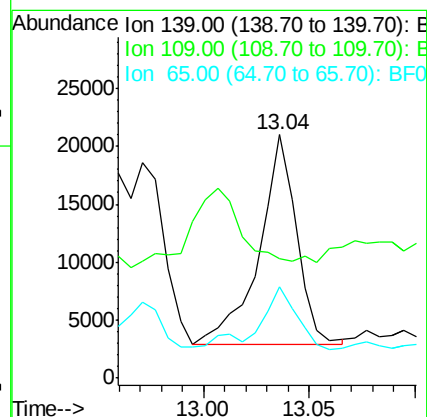
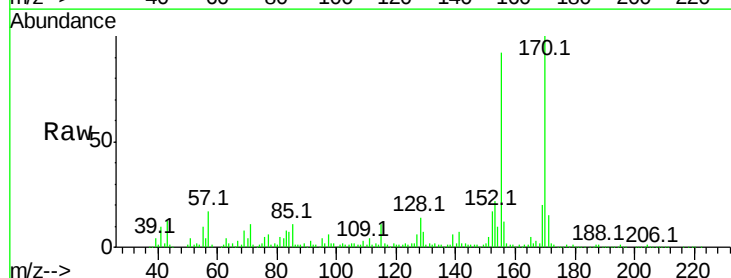
Tgt Ion:139 Resp: 22274

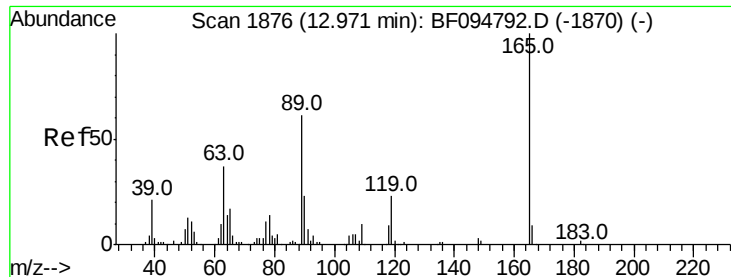
Ion Ratio Lower Upper

139 100

109 49.2 34.1 74.1

65 37.3 31.4 71.4

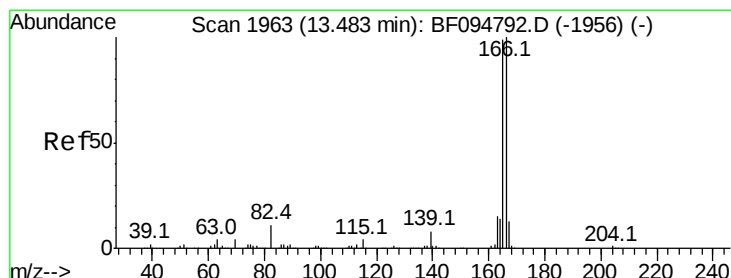
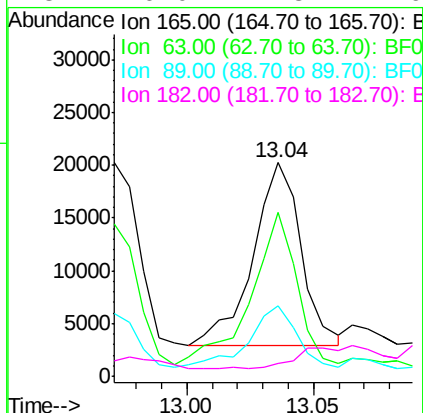
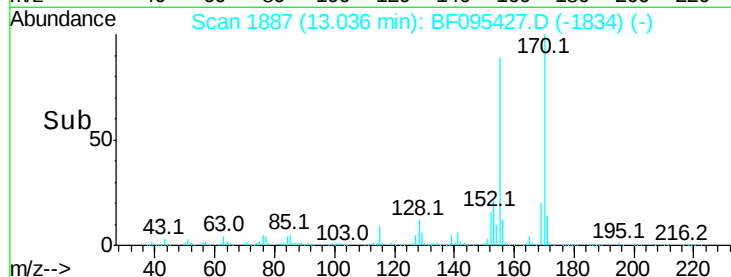
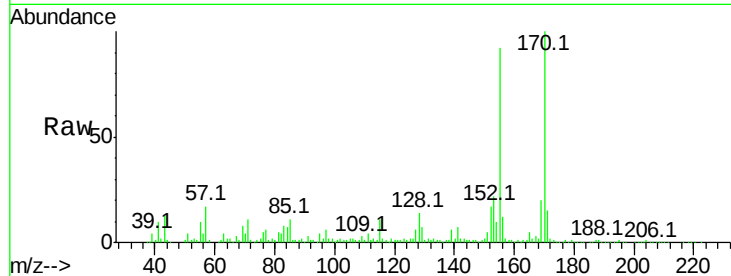




#56
2,4-Dinitrotoluene
Concen: 5.85 ng
RT: 13.04 min Scan# 1887
Delta R.T. 0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

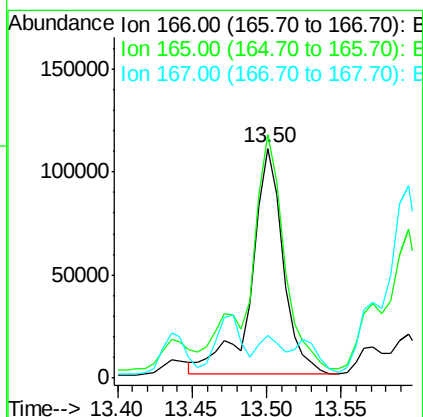
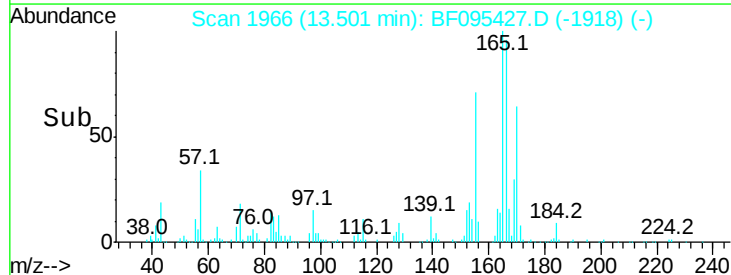
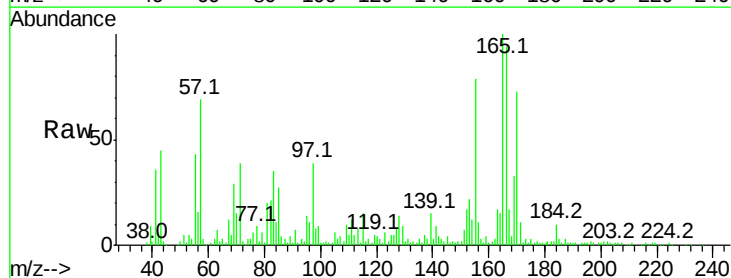
Instrument :
BNA_F
ClientSampleId :

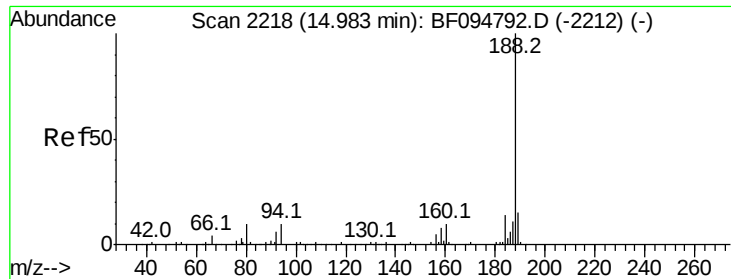
Tot Ion:165 Resp: 22962
Ion Ratio Lower Upper
165 100
63 76.6 25.4 38.0#
89 32.9 46.4 69.6#
182 6.0 1.8 2.6#



#57
Fluorene
Concen: 11.60 ng
RT: 13.50 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion:166 Resp: 161829
Ion Ratio Lower Upper
166 100
165 106.0 78.8 118.2
167 18.5 10.6 16.0#

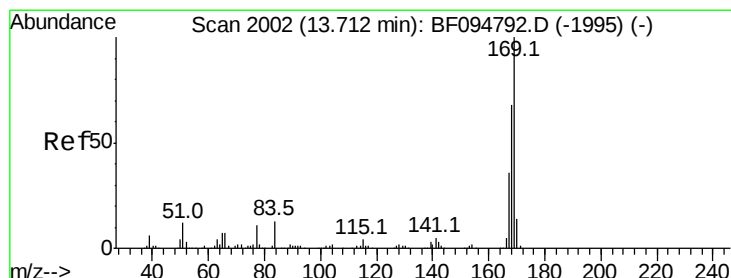
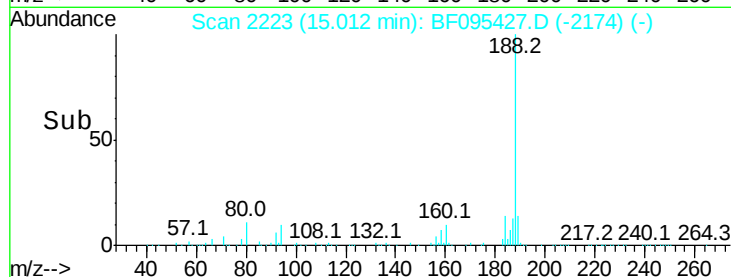
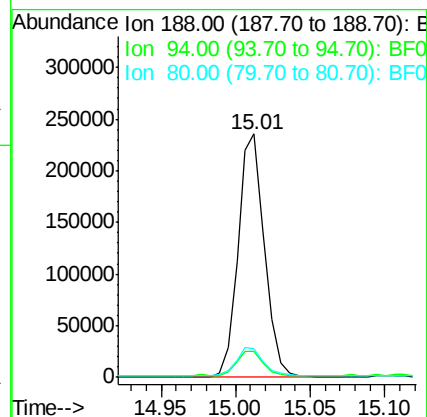
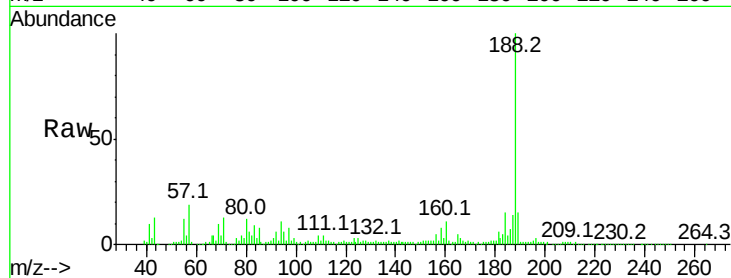




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

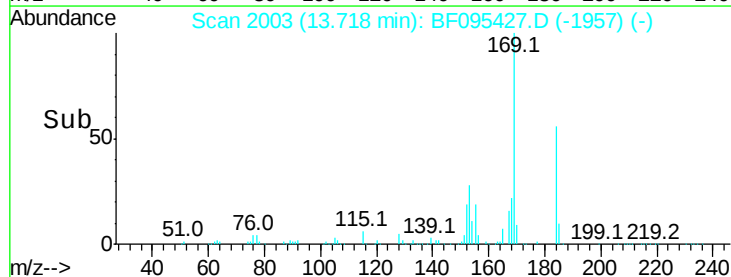
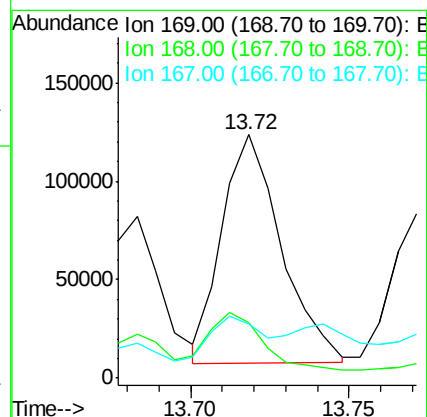
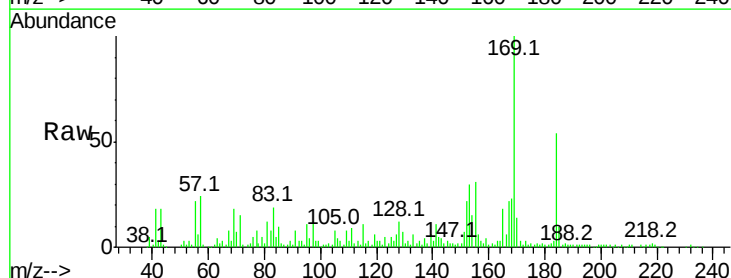
Instrument :
BNA_F
ClientSampleId :

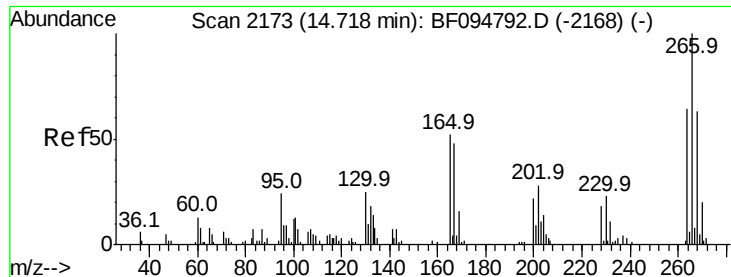
Tot Ion:188 Resp: 288663
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.6 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 14.36 ng
RT: 13.72 min Scan# 2003
Delta R.T. -0.03 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion:169 Resp: 150419
Ion Ratio Lower Upper
169 100
168 22.9 53.2 79.8#
167 22.3 29.5 44.3#

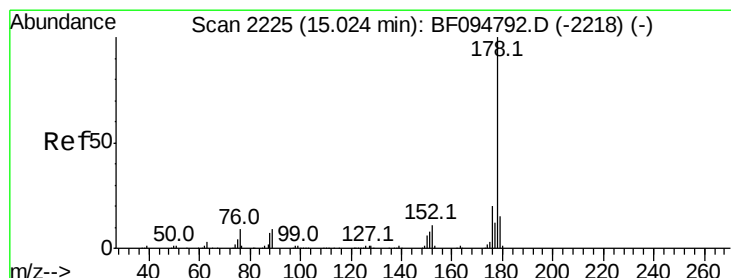
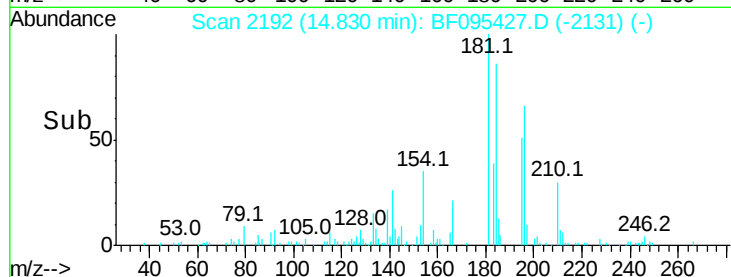
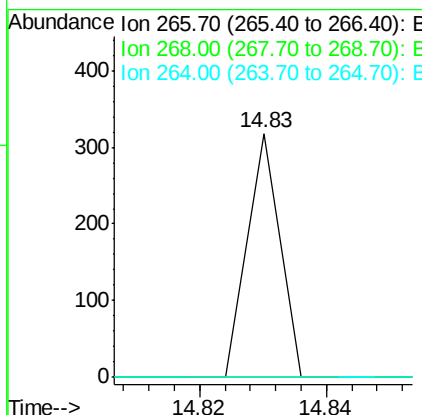
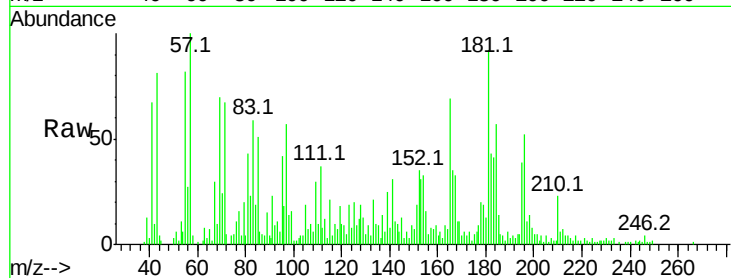




#69
 Pentachlorophenol
 Concen: 5.94 ng
 RT: 14.83 min Scan# 2192
 Delta R.T. 0.06 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

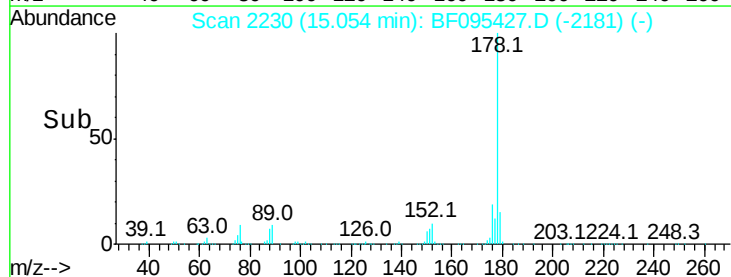
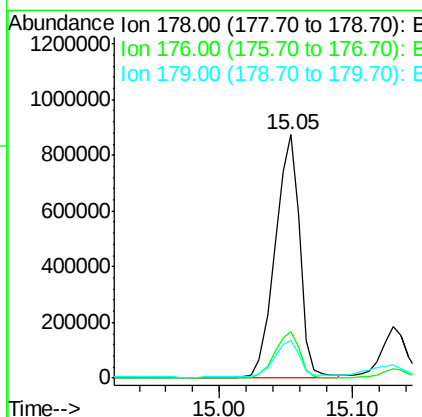
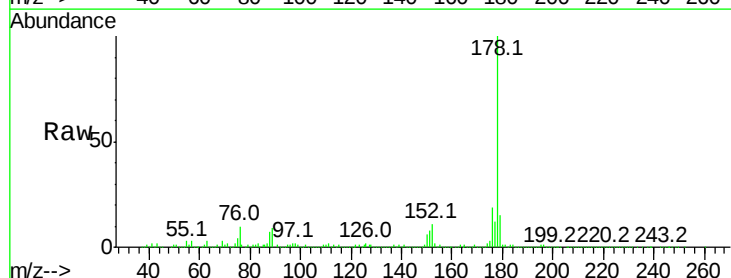
Instrument :
 BNA_F
 ClientSampleId :

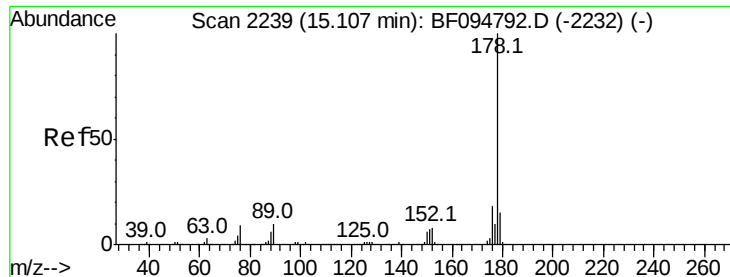
Tot Ion:266 Resp: 112
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 51.7 77.5#



#70
 Phenanthrene
 Concen: 67.75 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Tgt Ion:178 Resp: 1123608
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.5 12.6 19.0





#71

Anthracene

Concen: 66.32 ng

RT: 15.05 min Scan# 2230

Delta R.T. -0.09 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

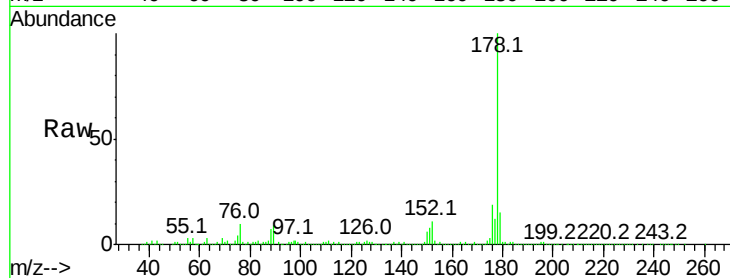
Tot Ion:178 Resp: 1123608

Ion Ratio Lower Upper

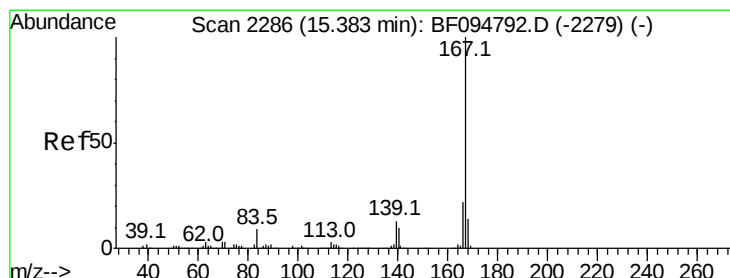
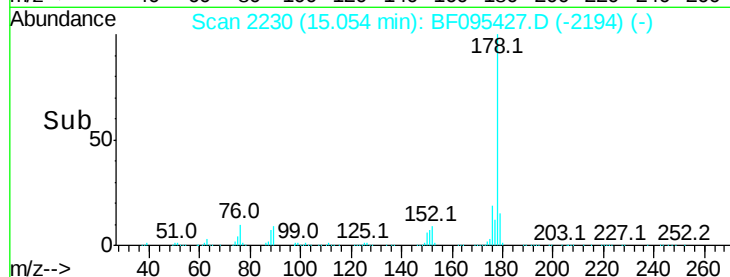
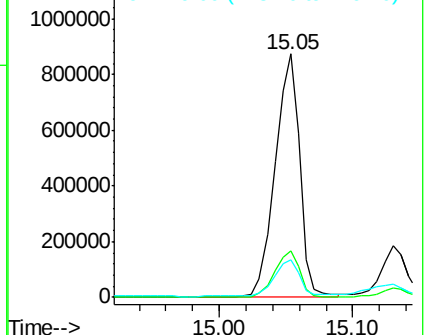
178 100

176 19.2 15.8 23.8

179 15.5 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: 4.91 ng

RT: 15.42 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

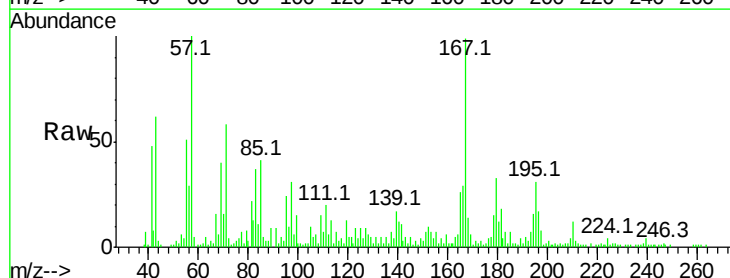
Tgt Ion:167 Resp: 75729

Ion Ratio Lower Upper

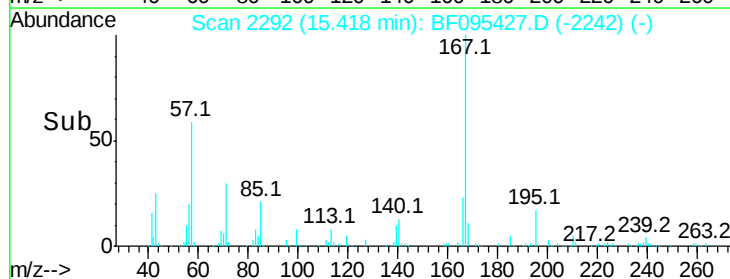
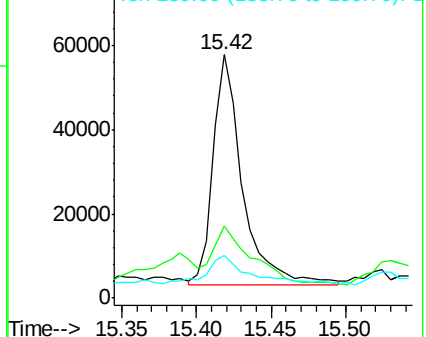
167 100

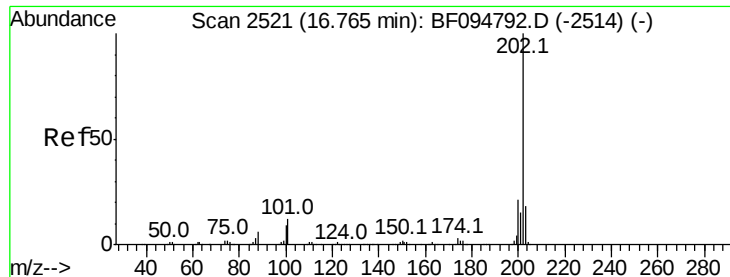
166 29.8 18.1 27.1#

139 17.7 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: 62.09 ng

RT: 16.79 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampled :

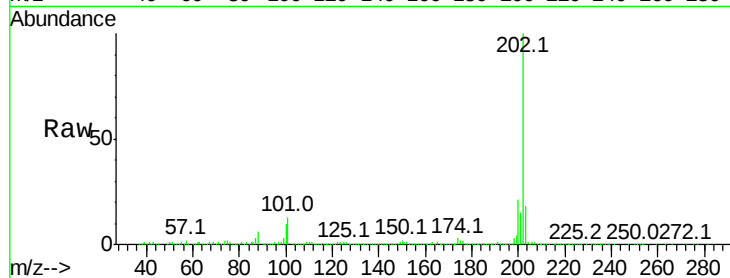
Tot Ion:202 Resp: 1056375

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

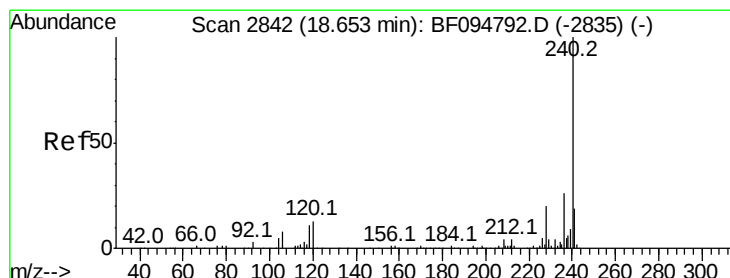
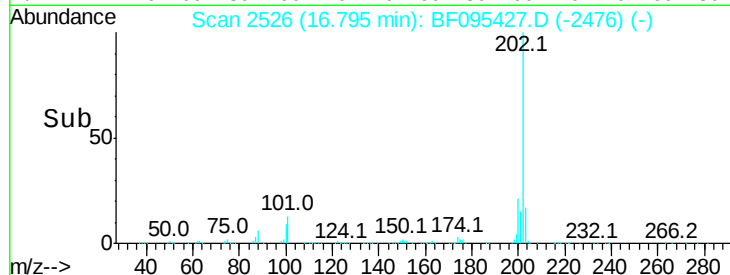
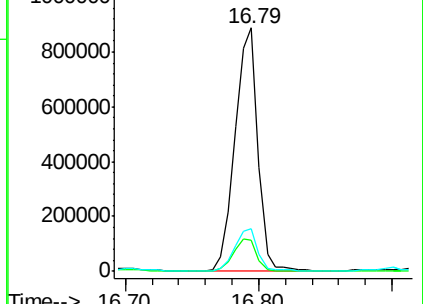
203 17.6 0.0 38.1



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: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

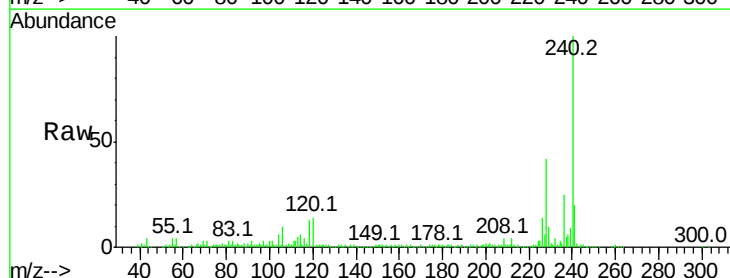
Tgt Ion:240 Resp: 196195

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

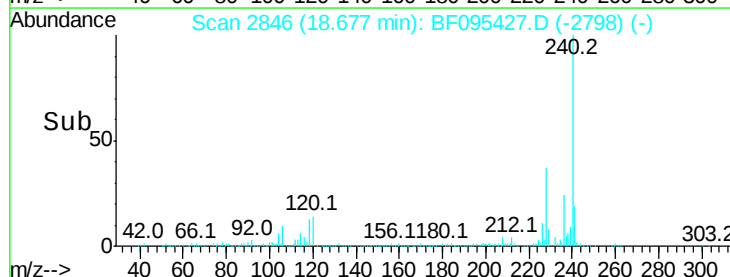
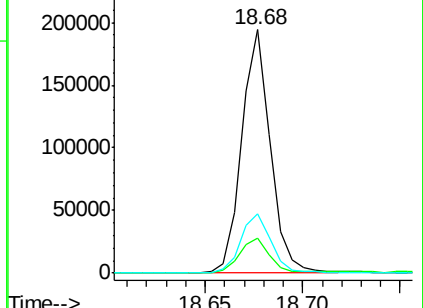
236 24.6 20.5 30.7

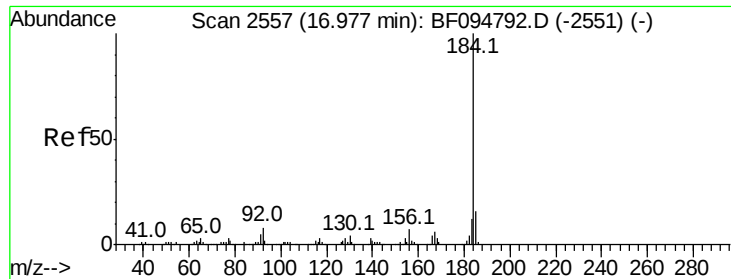


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.74 ng

RT: 17.02 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

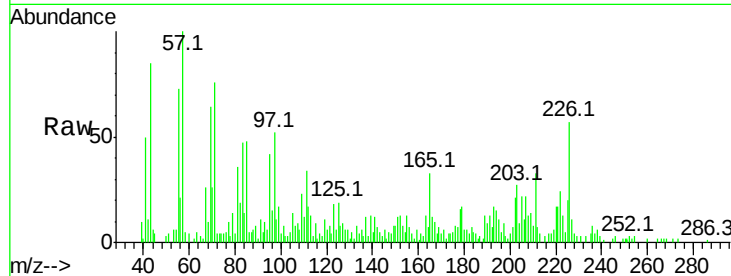
Tot Ion:184 Resp: 953

Ion Ratio Lower Upper

184 100

185 75.5 15.5 23.3#

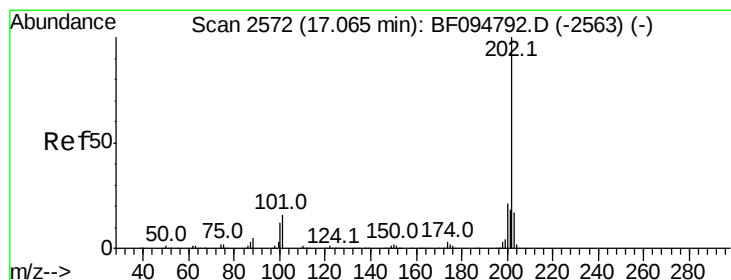
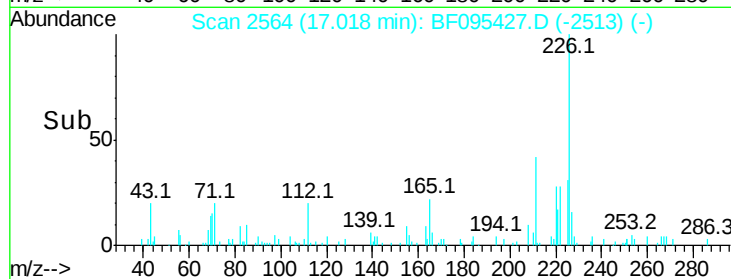
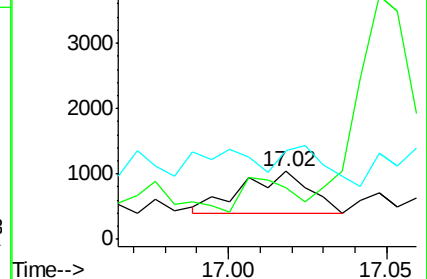
183 131.8 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 60.83 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

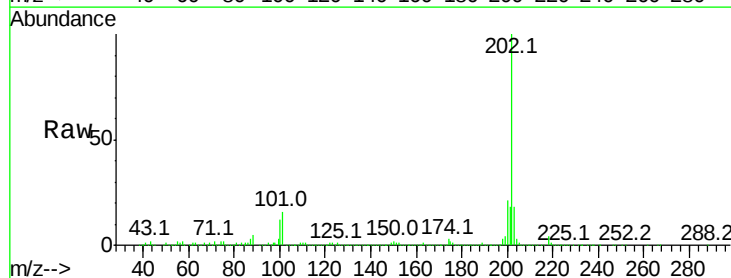
Tgt Ion:202 Resp: 892552

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

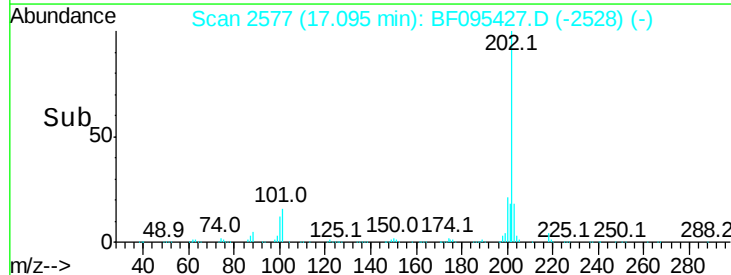
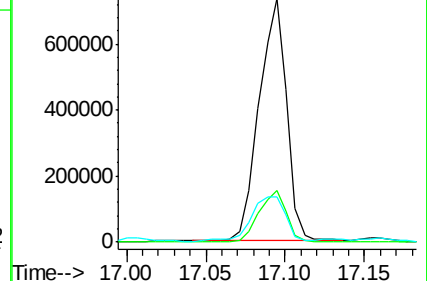
203 18.3 14.4 21.6

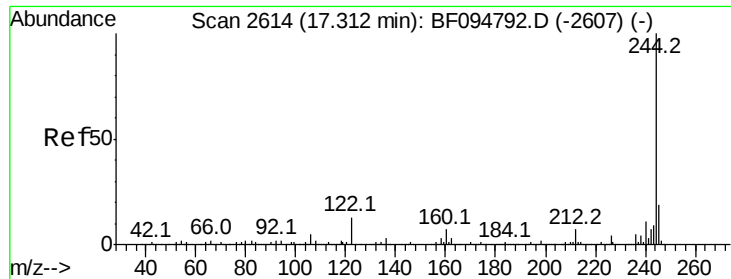


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.76 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

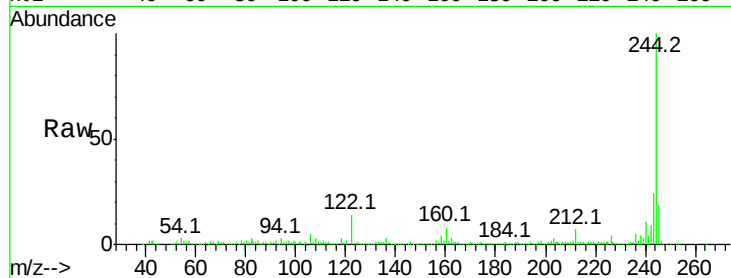
Tot Ion:244 Resp: 523435

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

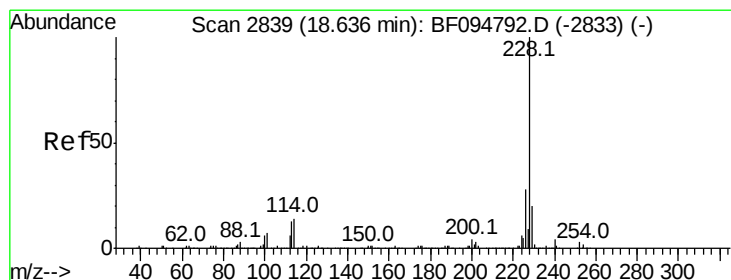
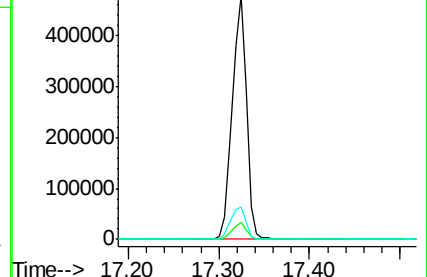
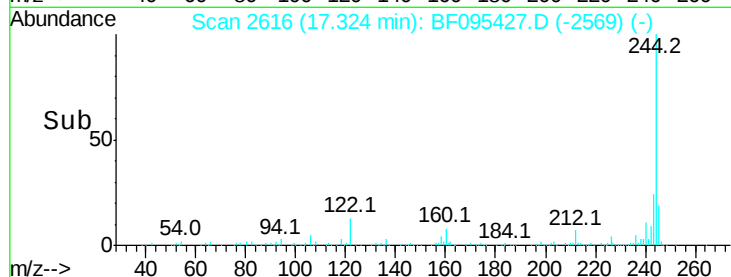
122 13.6 10.3 15.5



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: 33.53 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

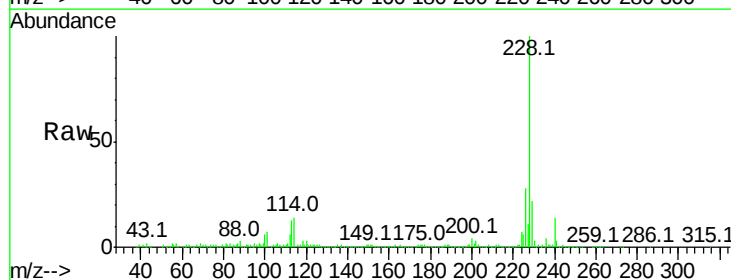
Tgt Ion:228 Resp: 382860

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

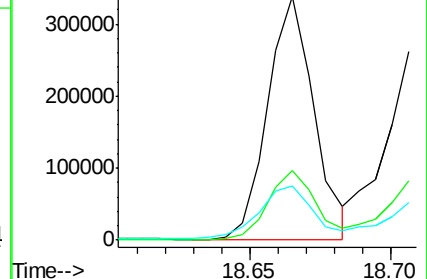
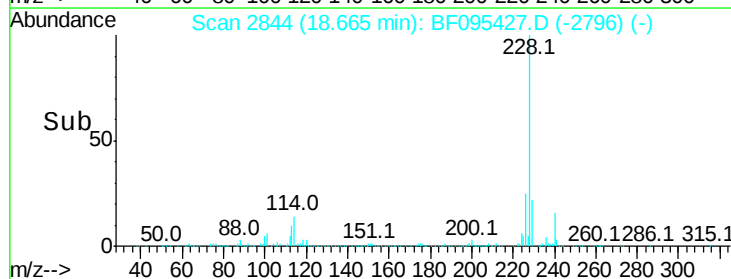
229 22.5 16.3 24.5

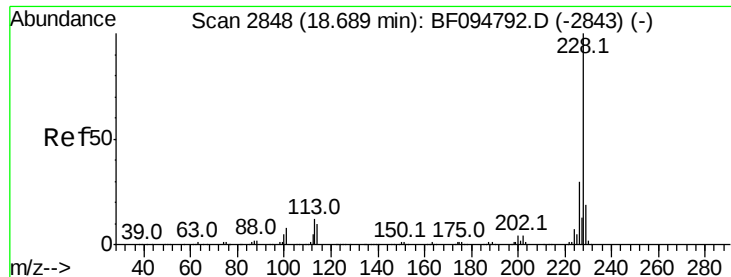


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 32.93 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

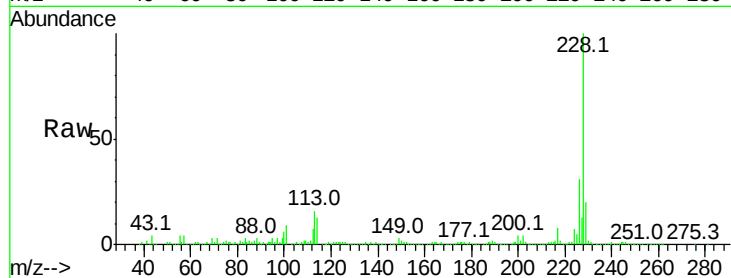
Tot Ion:228 Resp: 363531

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

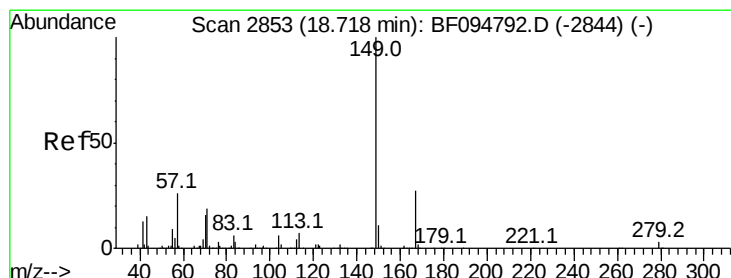
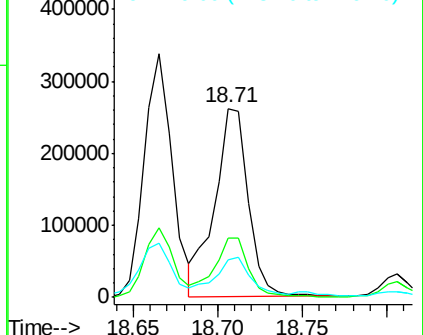
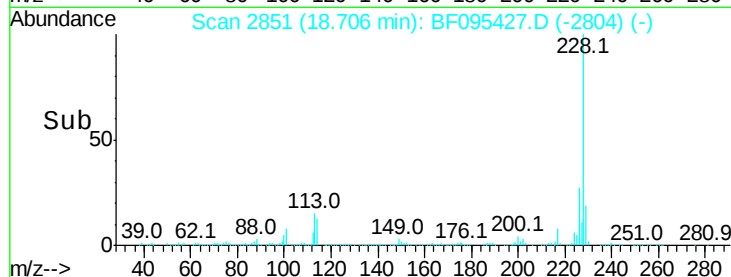
229 20.0 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.35 ng

RT: 18.72 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

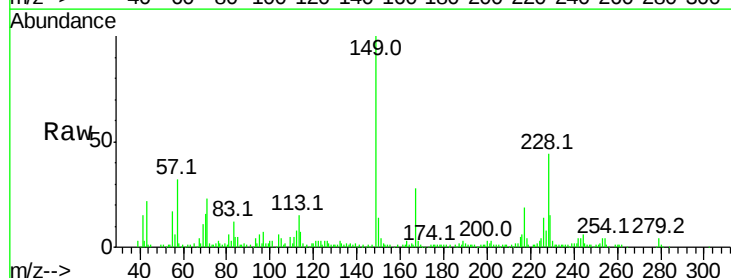
Tgt Ion:149 Resp: 100629

Ion Ratio Lower Upper

149 100

167 27.8 21.0 31.4

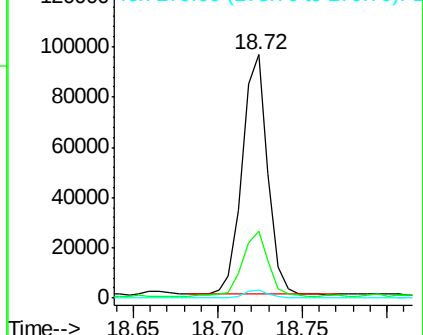
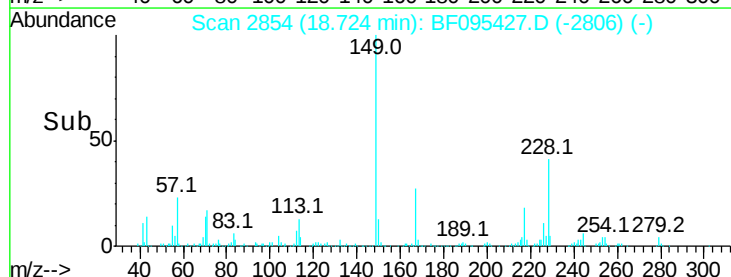
279 3.5 1.9 2.9#

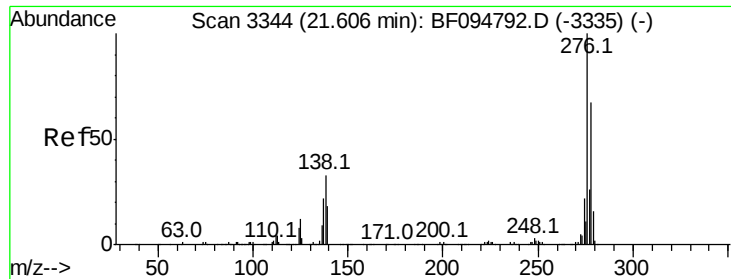


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

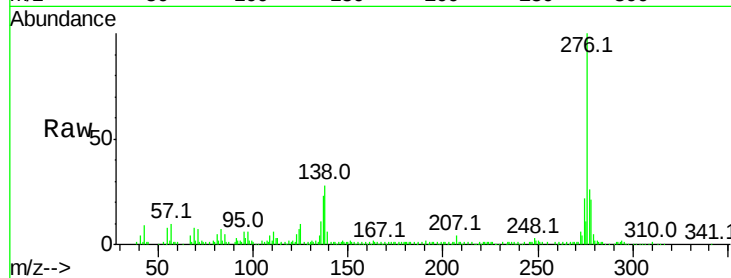




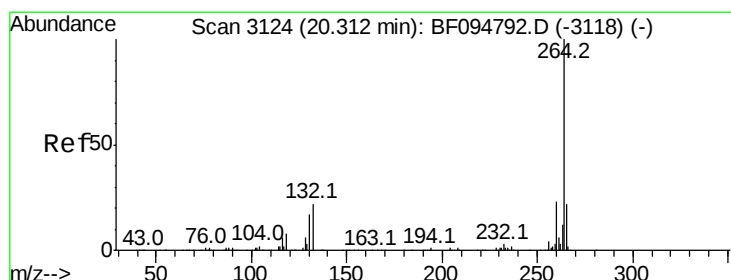
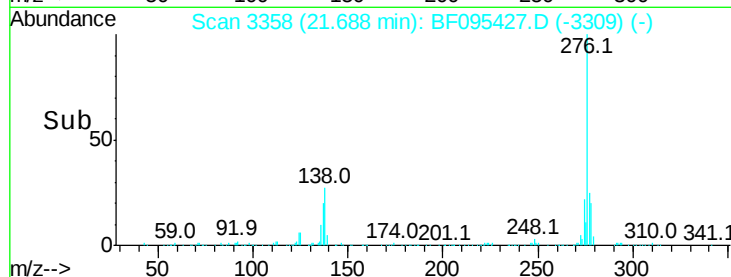
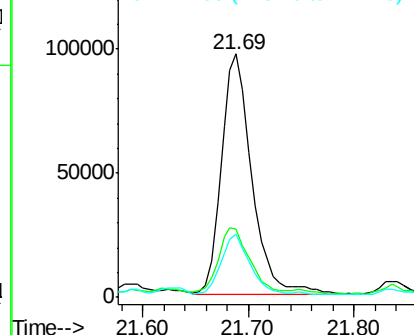
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.81 ng
 RT: 21.69 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 195594
 Ion Ratio Lower Upper
 276 100
 138 26.5 27.8 41.6#
 277 22.8 20.2 30.4

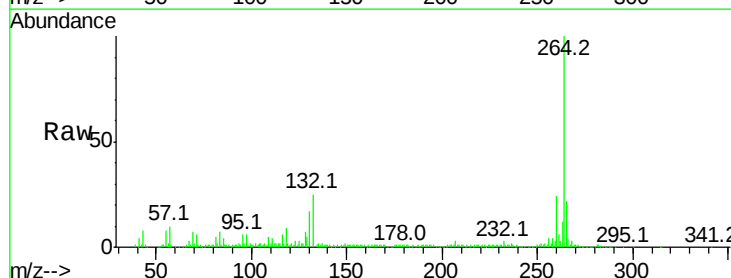


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

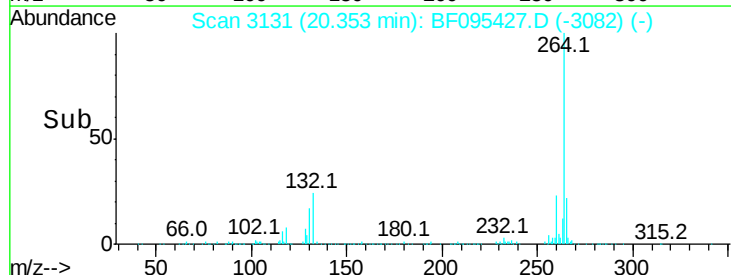
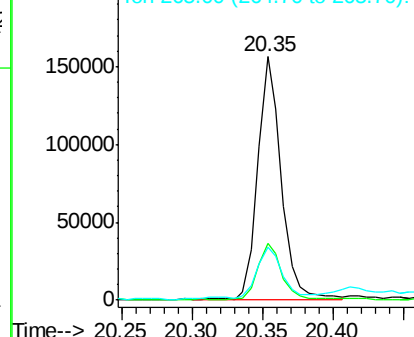


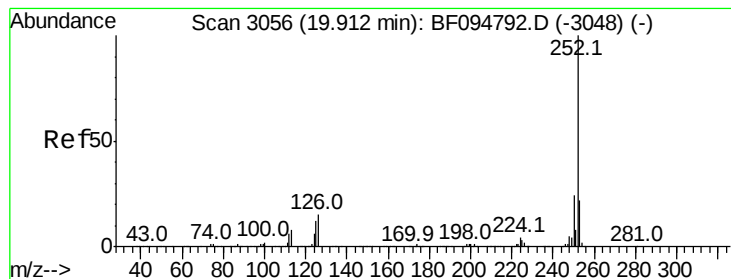
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Tgt Ion:264 Resp: 183715
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 21.9 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: 52.99 ng

RT: 19.95 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BF095427.D

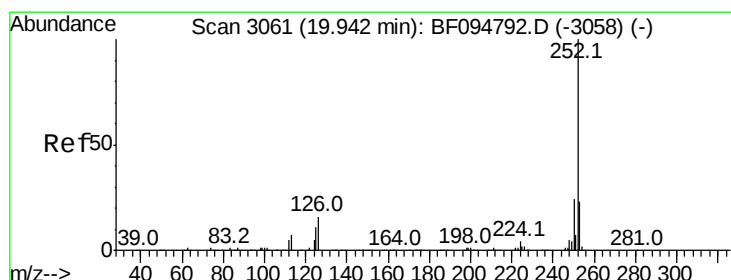
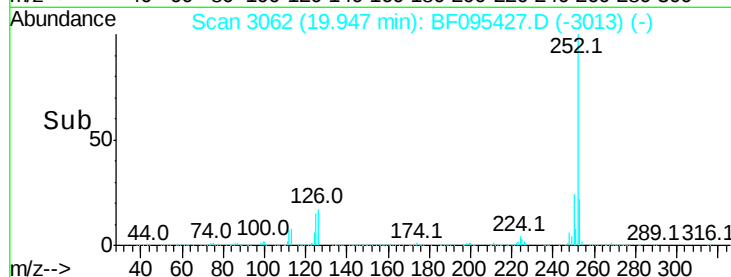
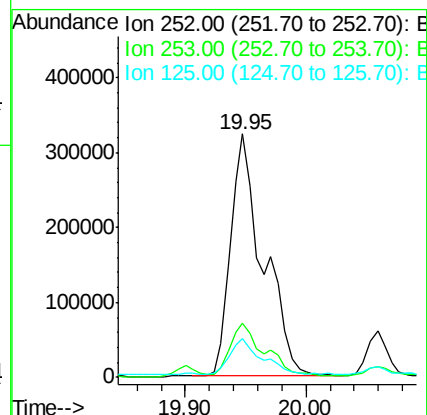
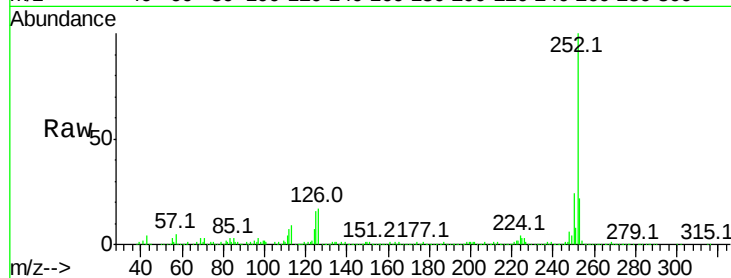
Acq: 25 May 2017 17:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	601567
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.9	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 54.94 ng

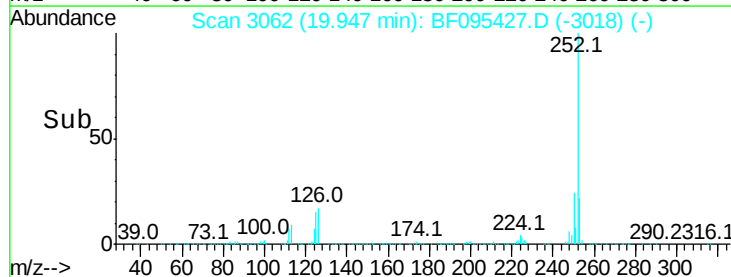
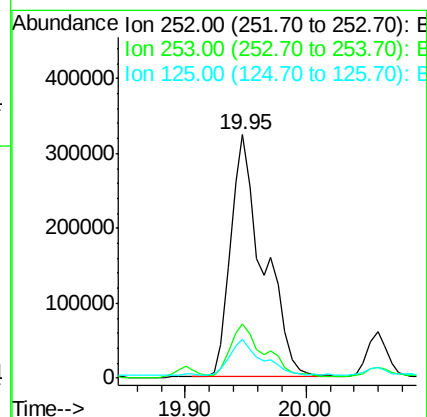
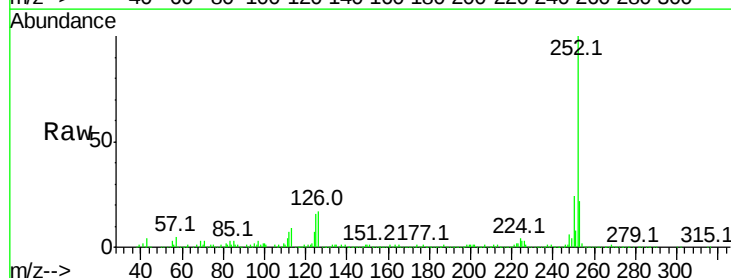
RT: 19.95 min Scan# 3062

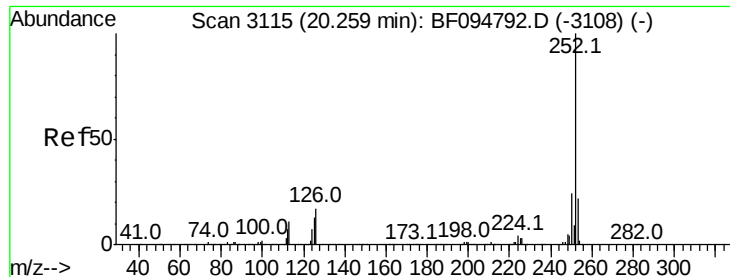
Delta R.T. -0.04 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	252	Resp:	601567
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.4	27.6
125	15.9	13.1	19.7

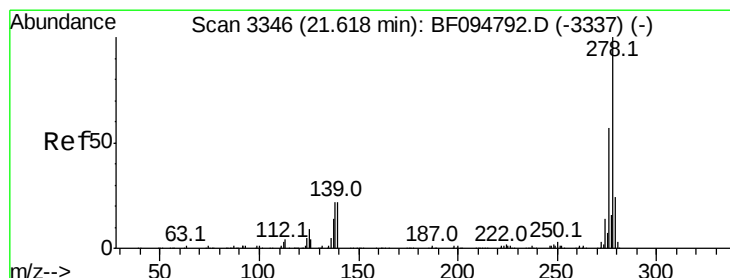
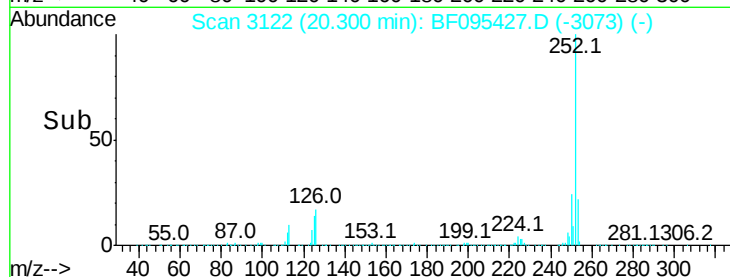
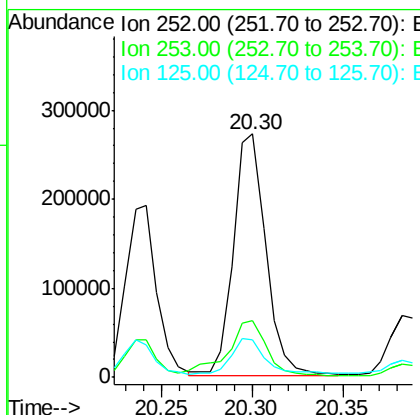
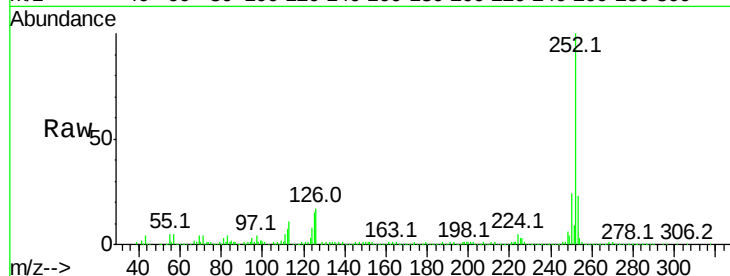




#89
Benzo(a)pyrene
Concen: 32.54 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

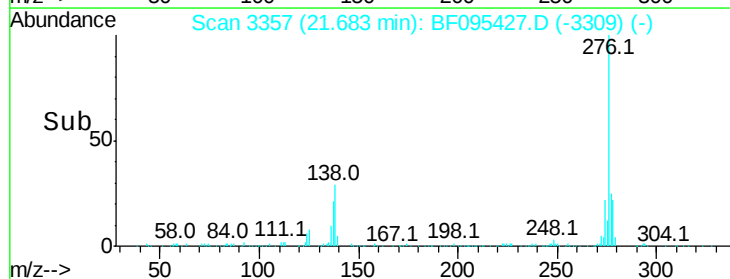
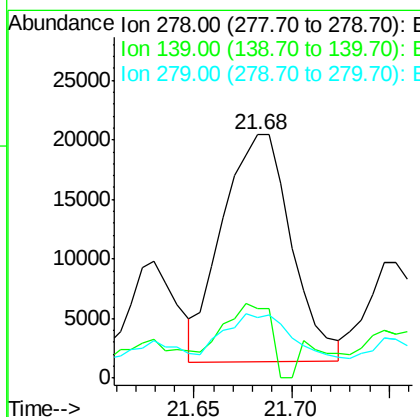
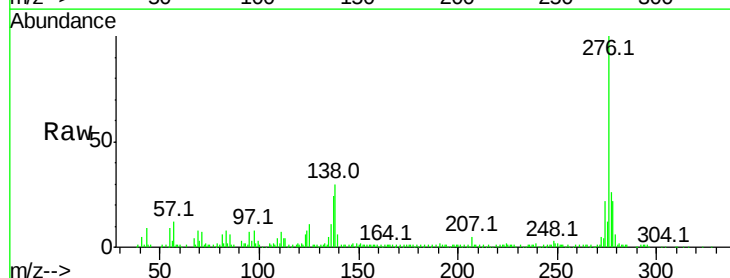
Instrument :
BNA_F
ClientSampleId :

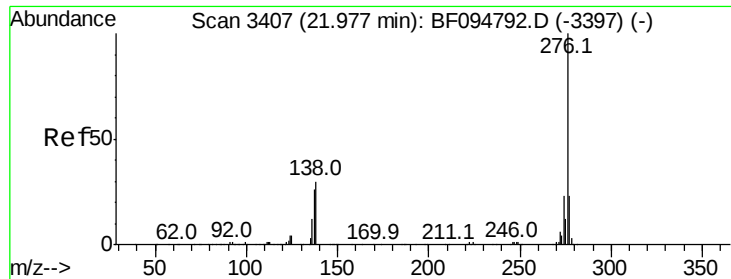
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.2	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 5.41 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.6	24.8#
279	24.7	19.3	28.9

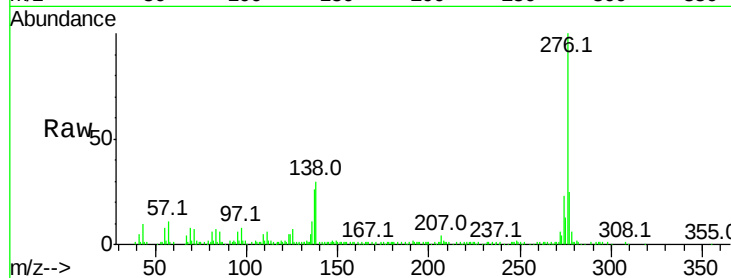




#91
 Benzo(a,h,i)perylene
 Concen: 21.24 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	30.5	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

