

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095418.D
 Acq On : 25 May 2017 10:25
 Operator : SJ/MA
 Sample : I3248-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 13:28:17 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

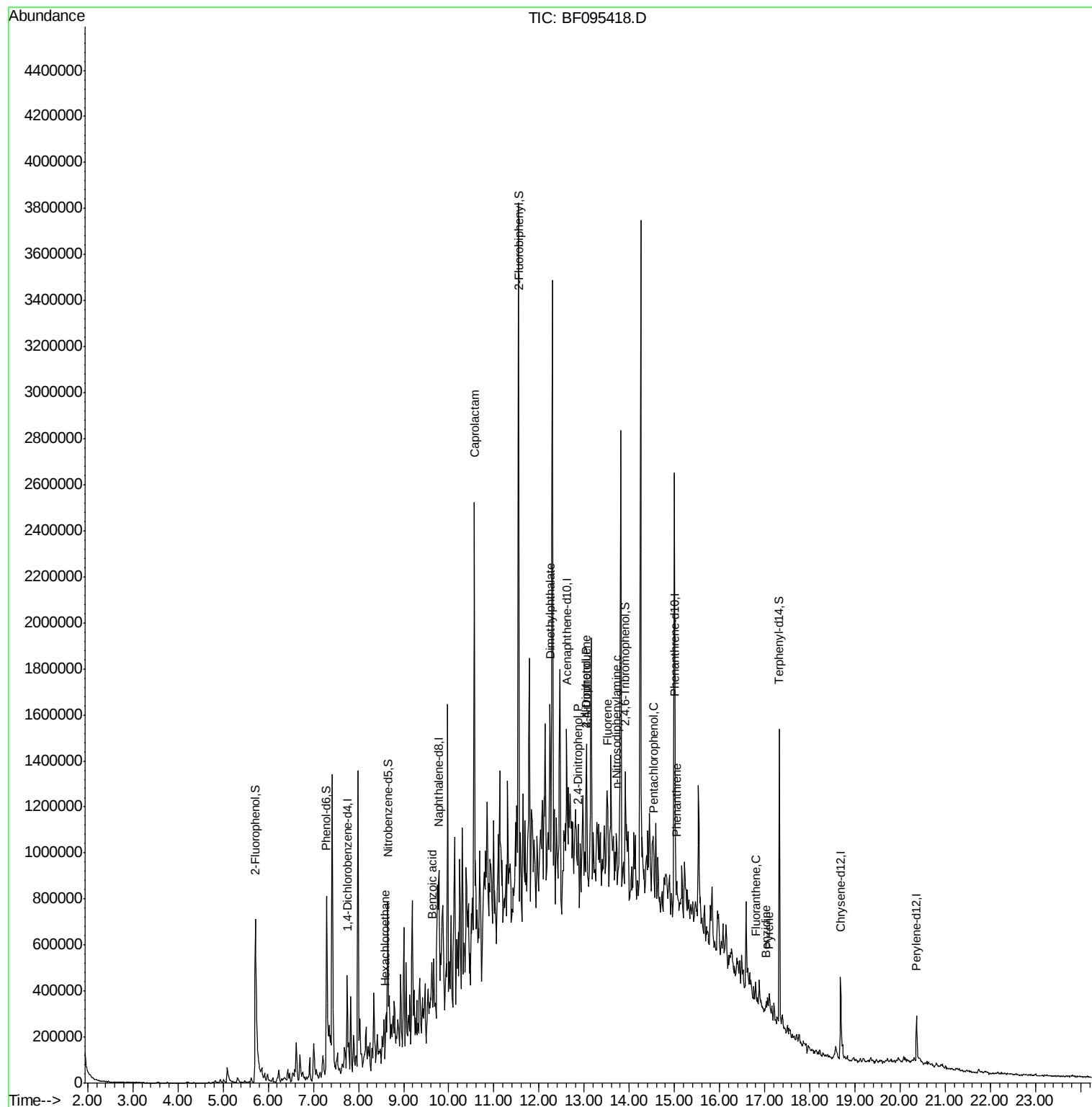
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	81703	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	310893	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	122792	20.00	ng	-0.01
63) Phenanthrene-d10	15.02	188	195605	20.00	ng	0.00
75) Chrysene-d12	18.68	240	176165	20.00	ng	-0.01
86) Perylene-d12	20.37	264	114674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	616973	125.90	ng	-0.02
7) Phenol-d6	7.29	99	717454	122.02	ng	-0.02
23) Nitrobenzene-d5	8.65	82	368052	74.65	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	106822	106.22	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	573429	67.22	ng	-0.02
78) Terphenyl-d14	17.32	244	507113	63.40	ng	-0.02
Target Compounds						
18) Hexachloroethane	8.60	117	6178	2.84	ng	# 8
32) Benzoic acid	9.64	122	3169	6.04	ng	# 35
35) Caprolactam	10.57	113	69659	54.49	ng	# 76
49) Dimethylphthalate	12.24	163	132510	13.15	ng	# 98
53) 2,4-Dinitrophenol	12.85	184	125	6.35	ng	# 1
55) 4-Nitrophenol	13.04	139	5928	4.47	ng	# 1
56) 2,4-Dinitrotoluene	13.04	165	8869	3.36	ng	# 62
57) Fluorene	13.51	166	31487	3.35	ng	# 84
65) n-Nitrosodiphenylamine	13.72	169	82021	11.55	ng	# 43
69) Pentachlorophenol	14.55	266	267	6.12	ng	# 18
70) Phenanthrene	15.05	178	83604	7.44	ng	# 93
74) Fluoranthene	16.79	202	44913	3.90	ng	# 93
76) Benzidine	17.02	184	689	6.71	ng	# 1
77) Pyrene	17.10	202	46386	3.52	ng	# 93

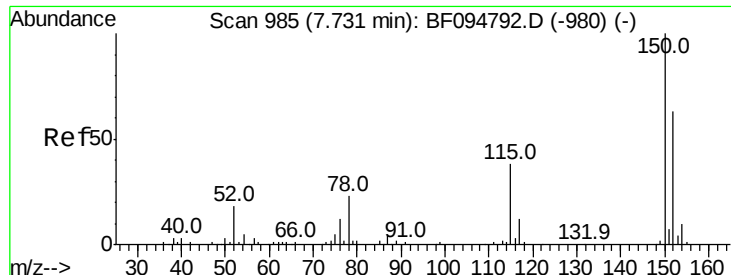
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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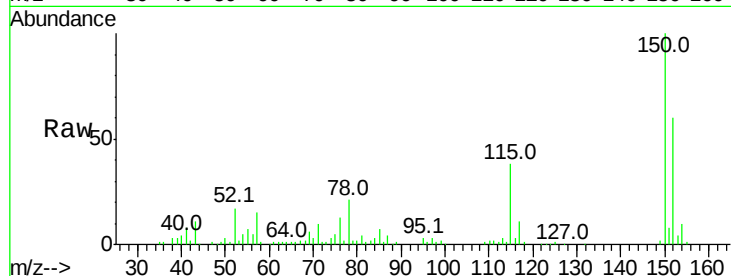


#1

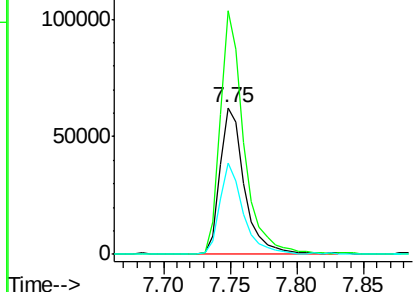
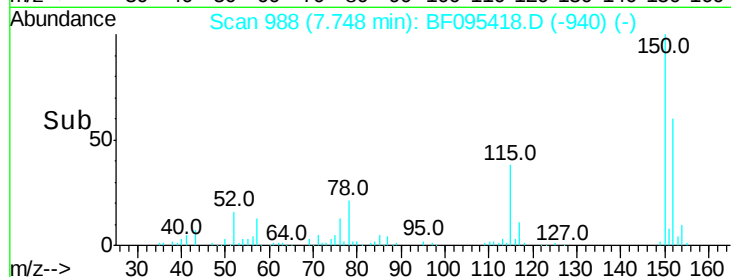
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81703
Ion Ratio Lower Upper
152 100
150 165.8 126.2 189.2
115 62.6 52.2 78.2



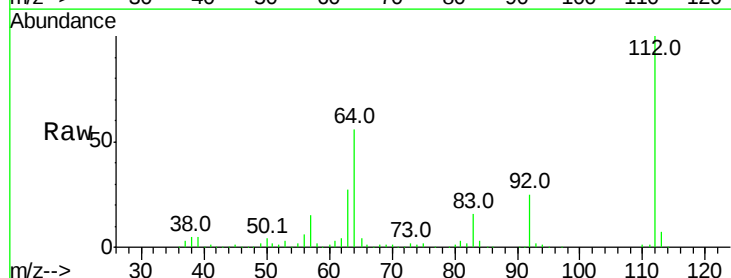
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



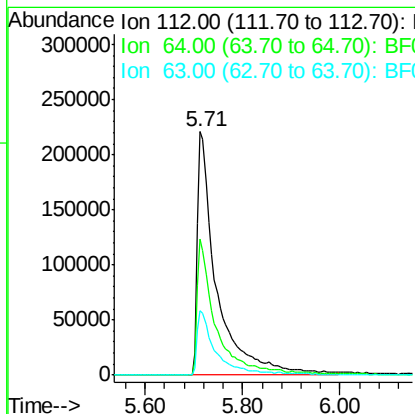
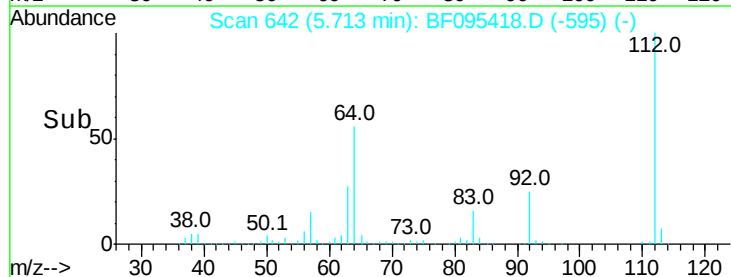
#5

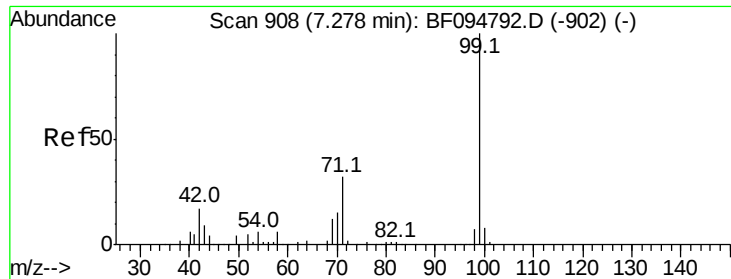
2-Fluorophenol
Concen: 125.90 ng
RT: 5.71 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

Tgt Ion:112 Resp: 616973
Ion Ratio Lower Upper
112 100
64 55.8 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: 122.02 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampleId :

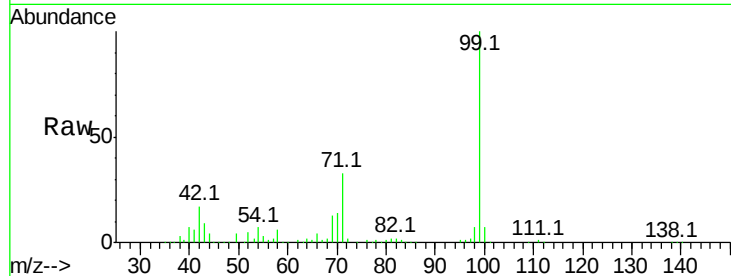
Tot Ion: 99 Resp: 717454

Ion Ratio Lower Upper

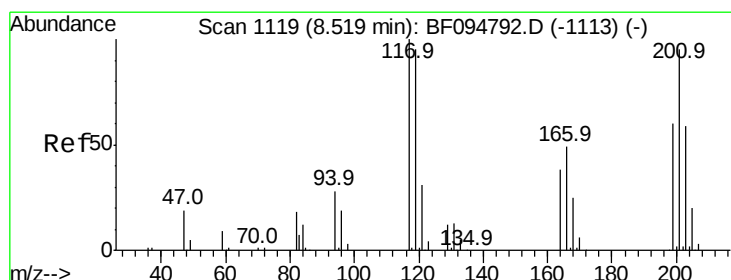
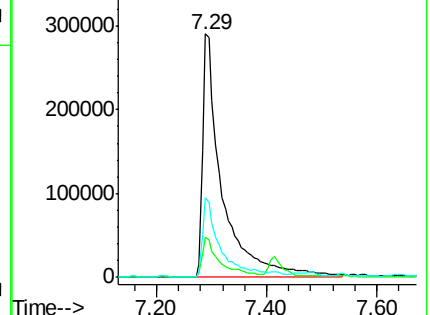
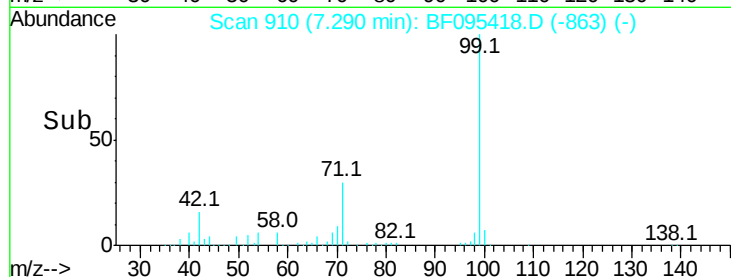
99 100

42 16.7 13.5 20.3

71 32.5 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



#18

Hexachloroethane

Concen: 2.84 ng

RT: 8.60 min Scan# 1132

Delta R.T. 0.05 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

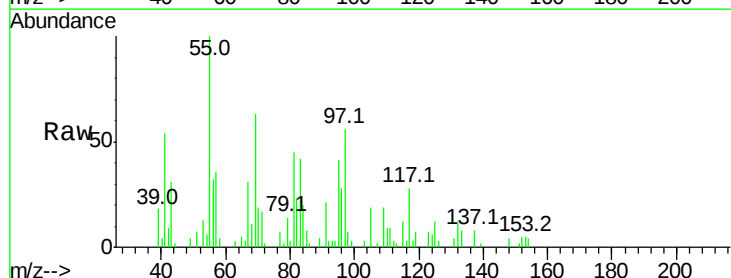
Tgt Ion: 117 Resp: 6178

Ion Ratio Lower Upper

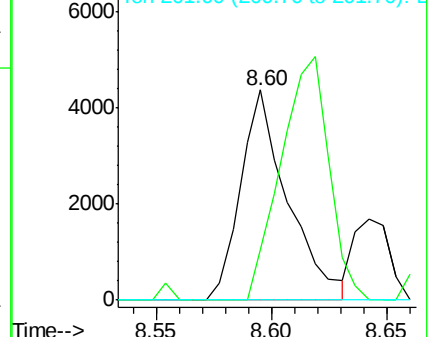
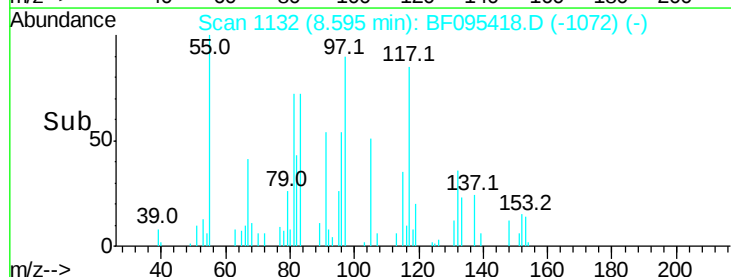
117 100

119 24.0 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 310893

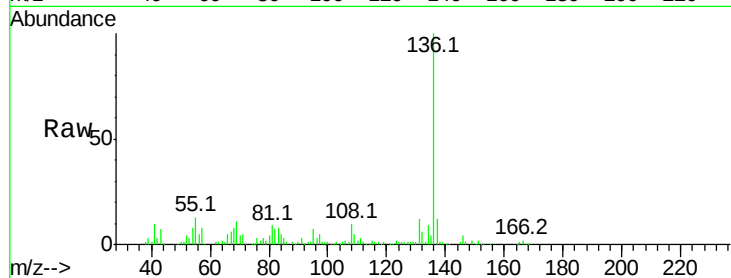
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 7.9 4.9 7.3#

68 7.6 4.1 6.1#

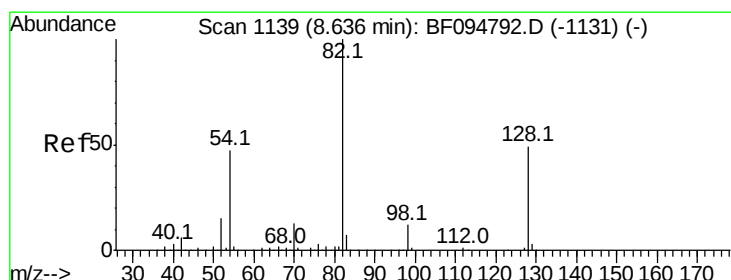
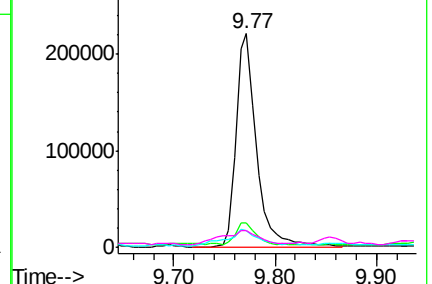
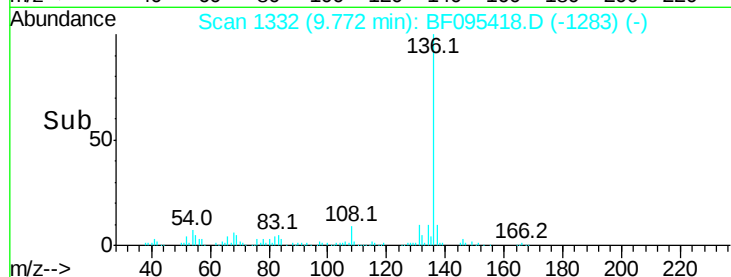


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.65 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

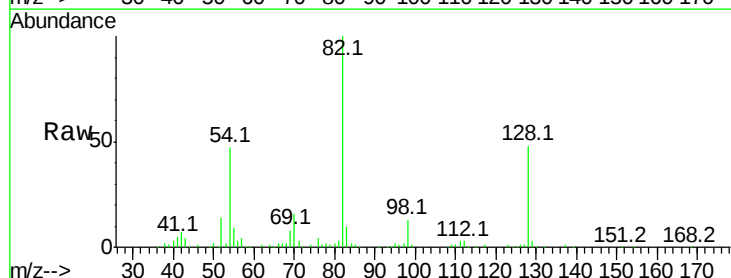
Tgt Ion: 82 Resp: 368052

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

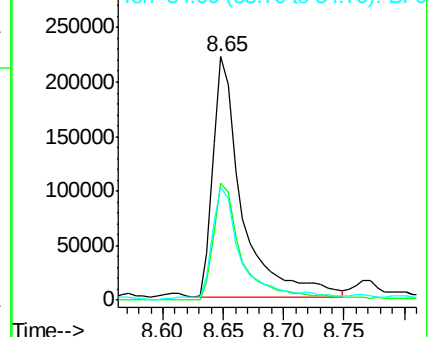
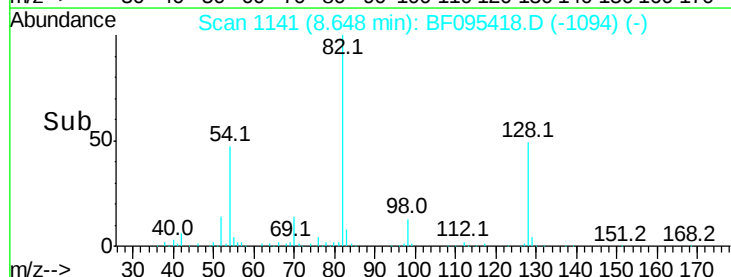
54 46.6 42.2 63.2

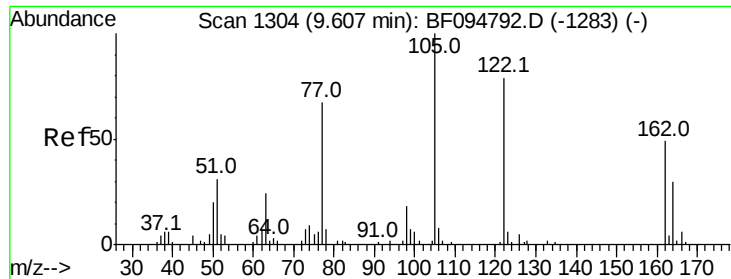


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

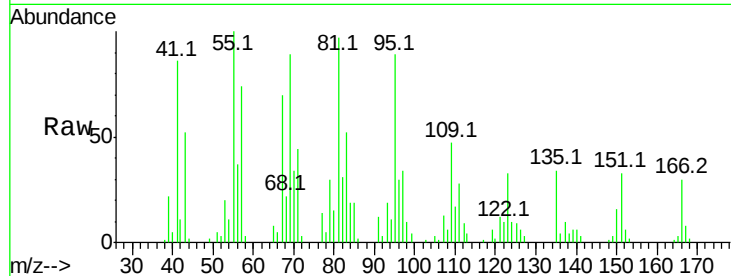




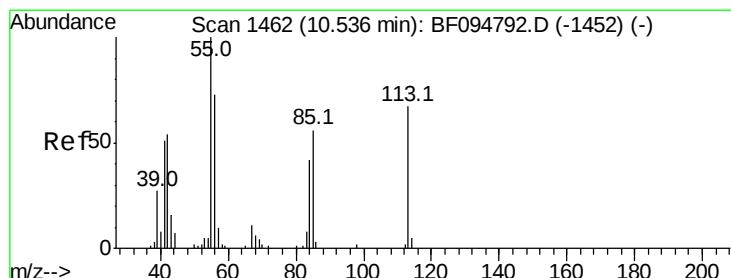
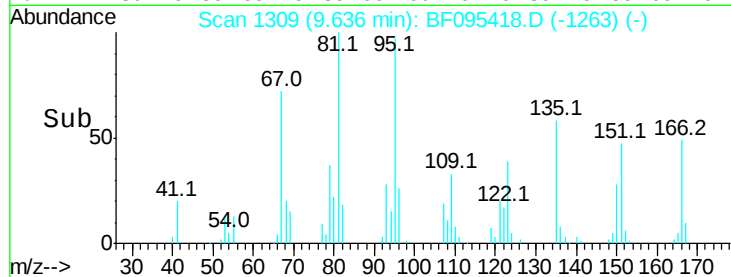
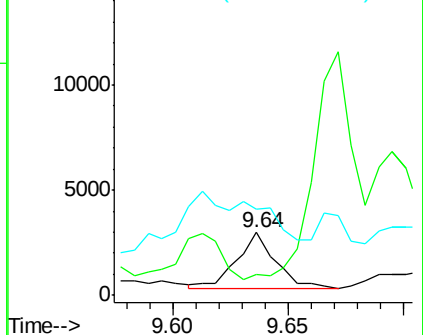
#32
Benzoic acid
Concen: 6.04 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 3169
Ion Ratio Lower Upper
122 100
105 33.6 103.3 143.3#
77 138.5 73.7 113.7#

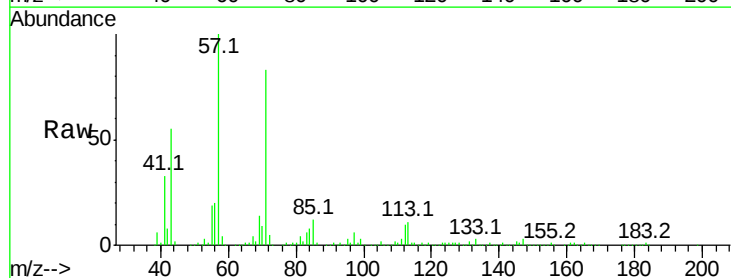


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

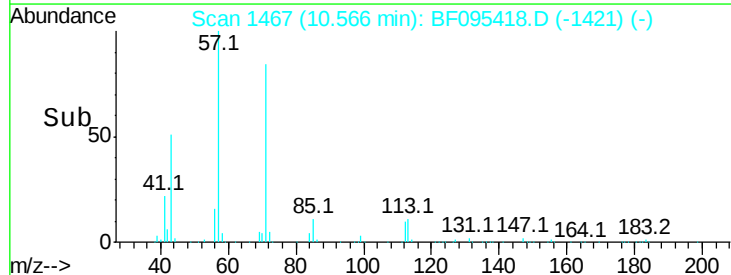
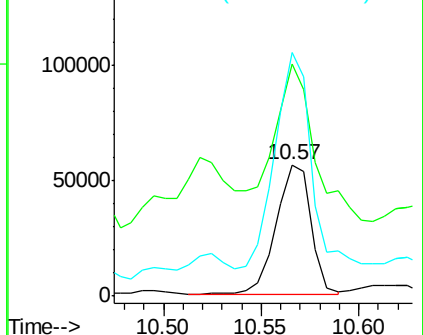


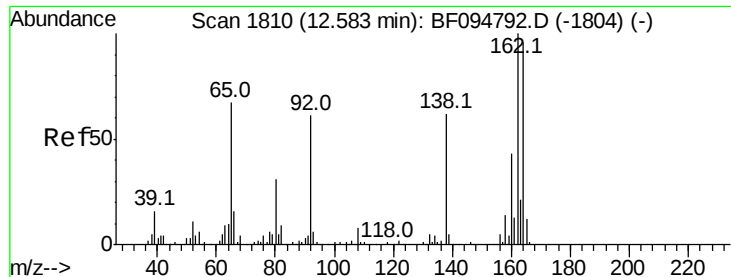
#35
Caprolactam
Concen: 54.49 ng
RT: 10.57 min Scan# 1467
Delta R.T. -0.03 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

Tgt Ion:113 Resp: 69659
Ion Ratio Lower Upper
113 100
55 176.3 150.2 190.2
56 185.3 107.8 147.8#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampleId :

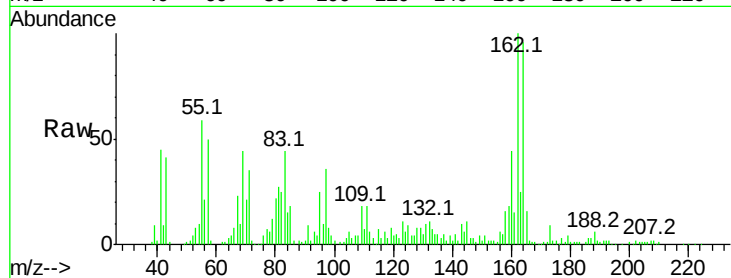
Tot Ion:164 Resp: 122792

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

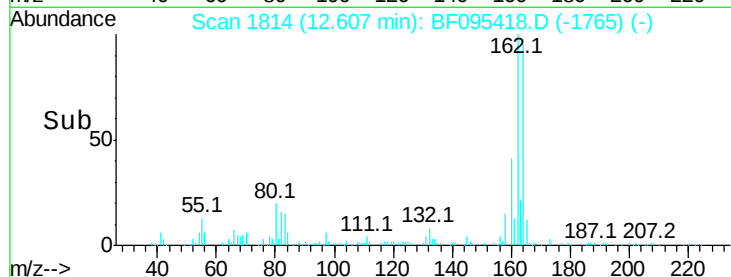
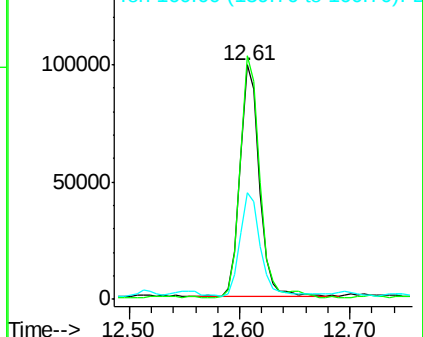
160 45.3 36.2 54.2



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: 106.22 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

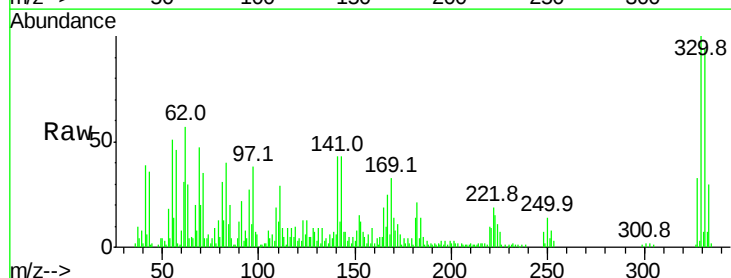
Tgt Ion:330 Resp: 106822

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

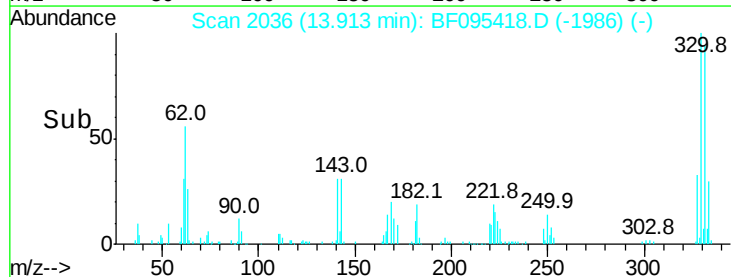
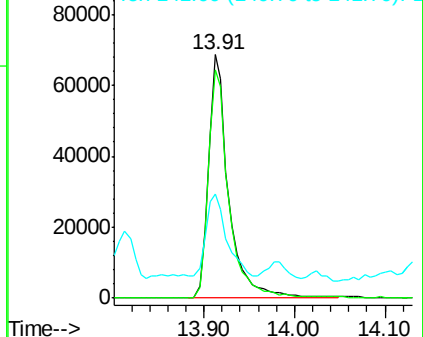
141 38.3 31.4 47.2

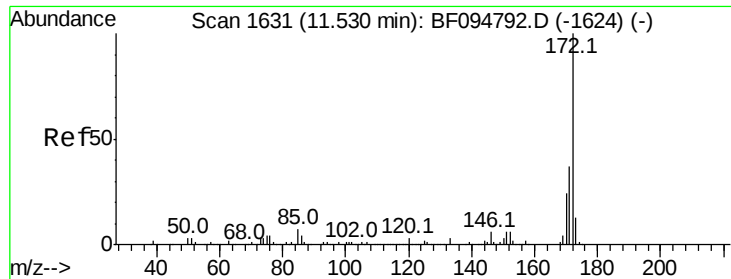


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

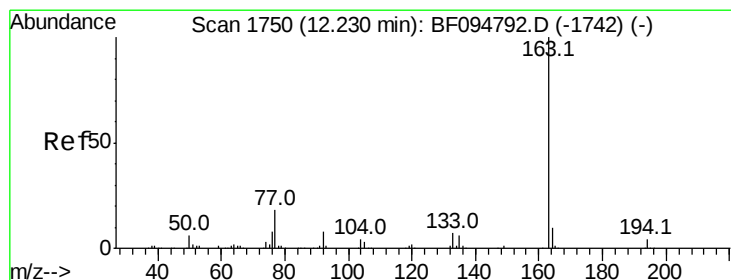
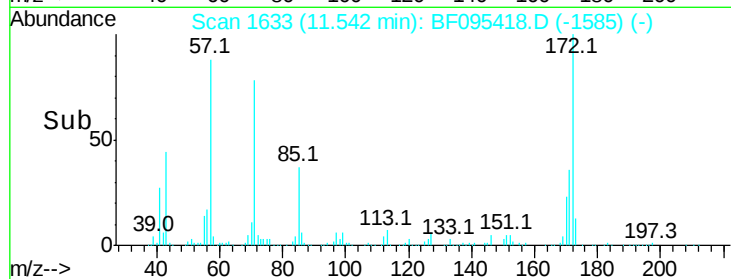
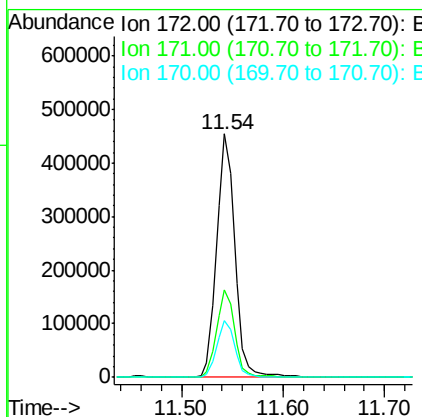
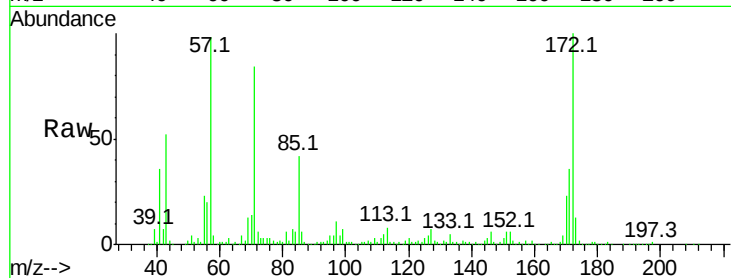




#44
2-Fluorobiphenyl
Concen: 67.22 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

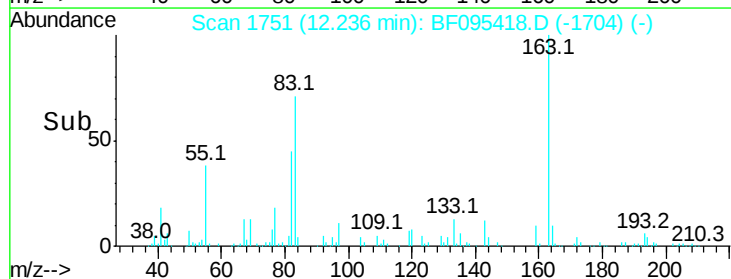
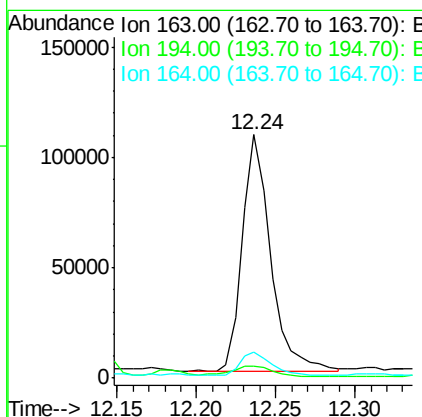
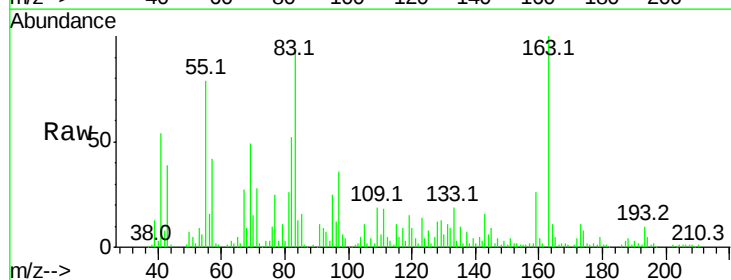
Instrument :
BNA_F
ClientSampleId :

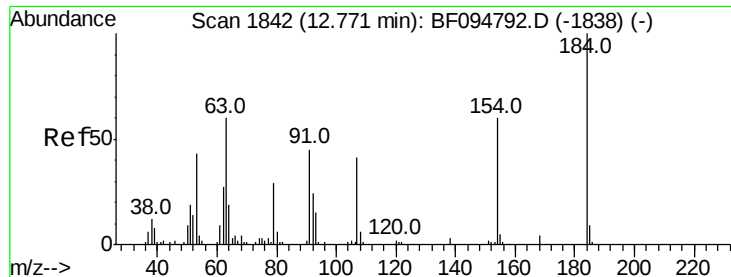
Tot Ion:172 Resp: 573429
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 13.15 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BF095418.D
Acq: 25 May 2017 10:25

Tgt Ion:163 Resp: 132510
Ion Ratio Lower Upper
163 100
194 5.1 2.6 4.0#
164 10.8 8.4 12.6





#53

2,4-Dinitrophenol

Concen: 6.35 ng

RT: 12.85 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampled :

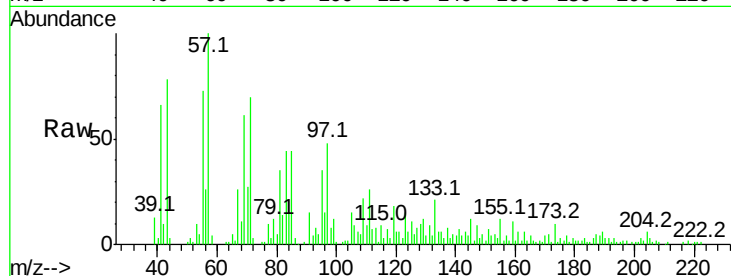
Tot Ion:184 Resp: 125

Ion Ratio Lower Upper

184 100

63 269.6 62.7 94.1#

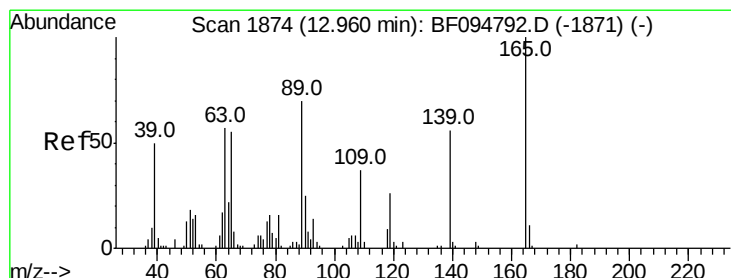
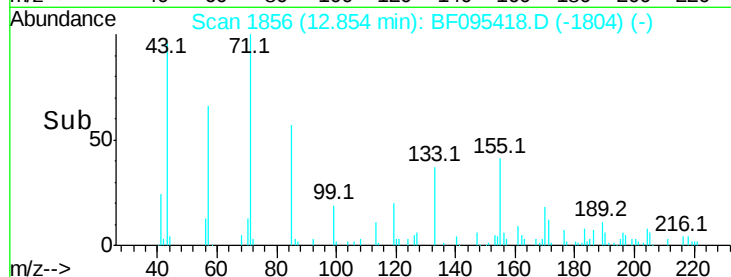
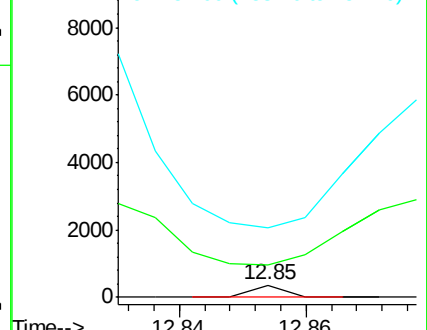
154 582.5 81.1 121.7#



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



#55

4-Nitrophenol

Concen: 4.47 ng

RT: 13.04 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

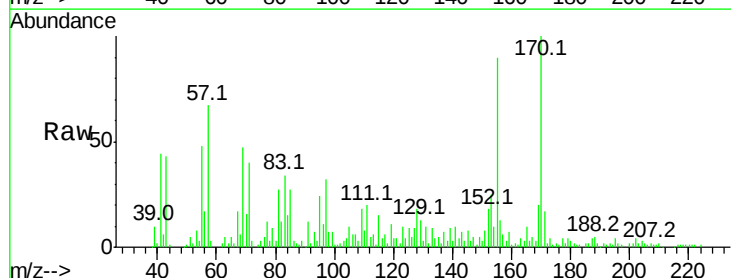
Tgt Ion:139 Resp: 5928

Ion Ratio Lower Upper

139 100

109 196.4 34.1 74.1#

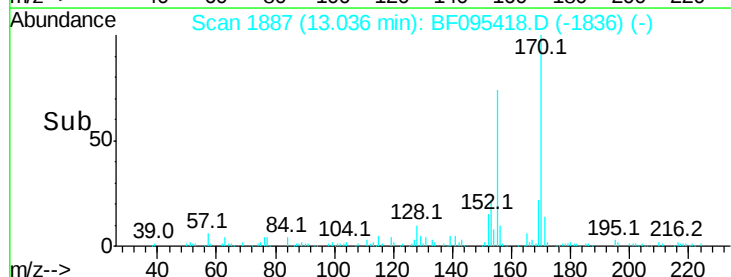
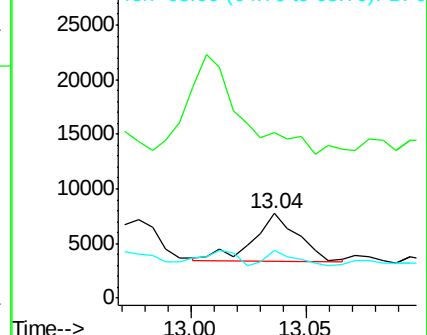
65 56.3 31.4 71.4

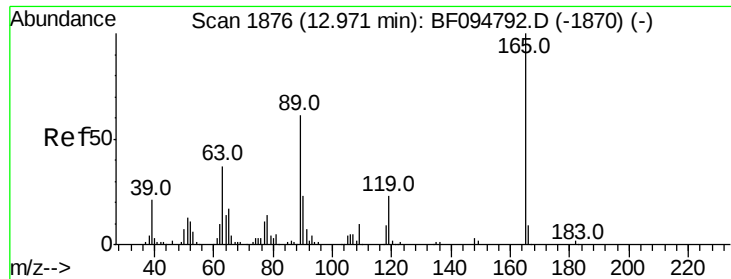


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

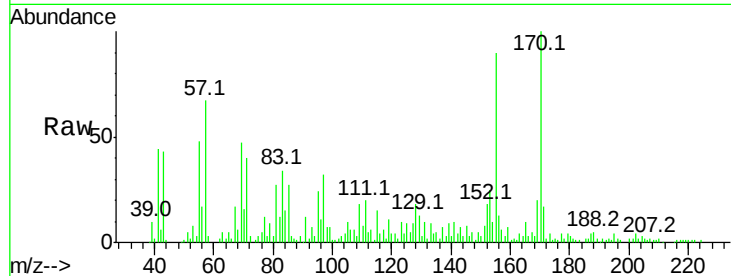




#56
 2,4-Dinitrotoluene
 Concen: 3.36 ng
 RT: 13.04 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: BF095418.D
 Acq: 25 May 2017 10:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.3	25.4	38.0#
89	27.5	46.4	69.6#
182	12.0	1.8	2.6#

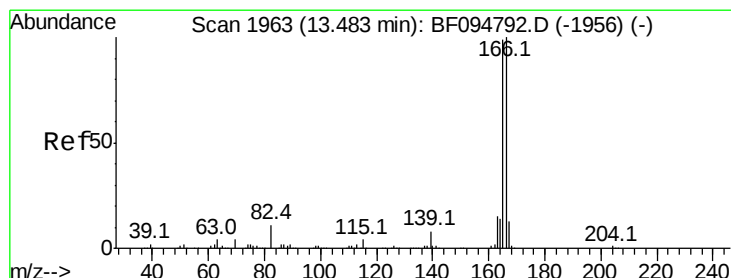
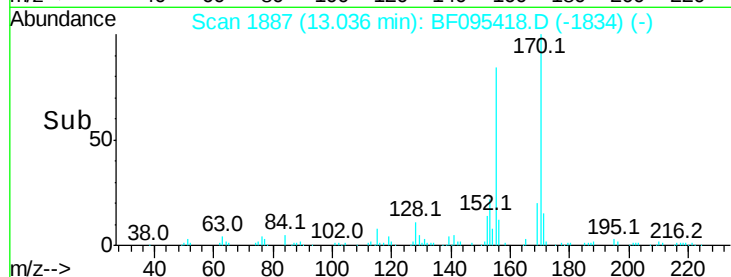
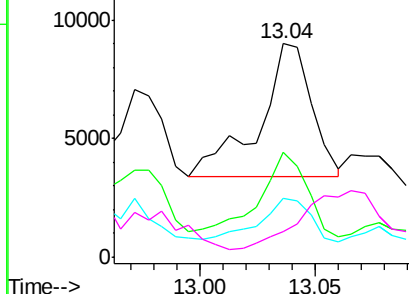


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

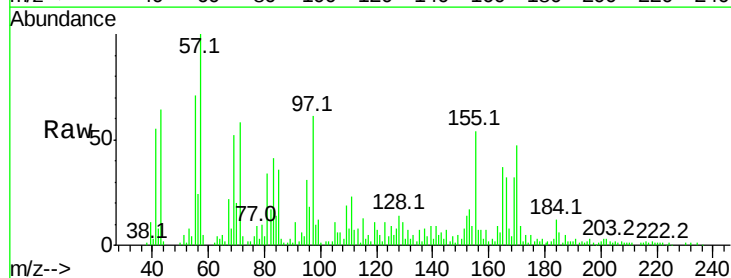
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 3.35 ng
 RT: 13.51 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF095418.D
 Acq: 25 May 2017 10:25

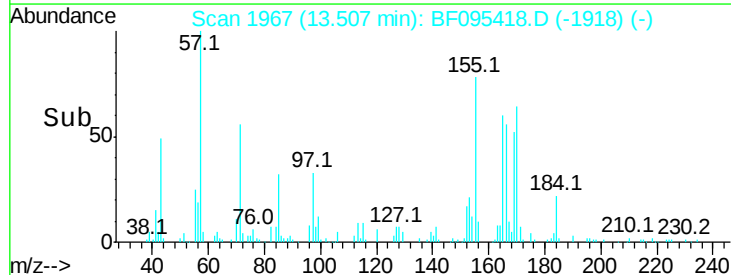
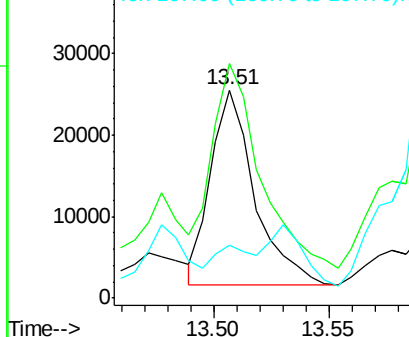
Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.9	78.8	118.2
167	25.2	10.6	16.0#

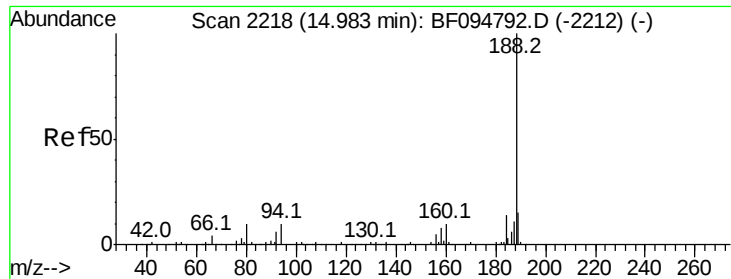


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampleId :

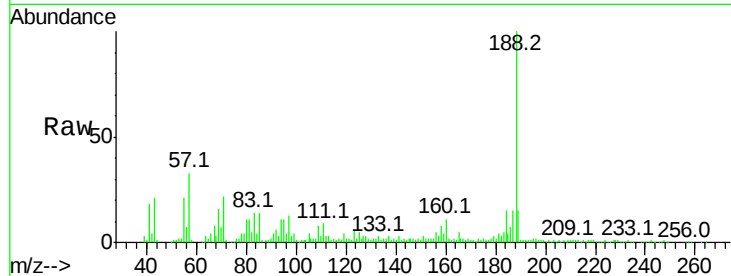
Tot Ion:188 Resp: 195605

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

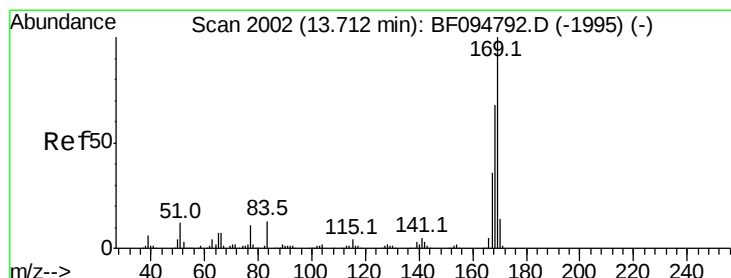
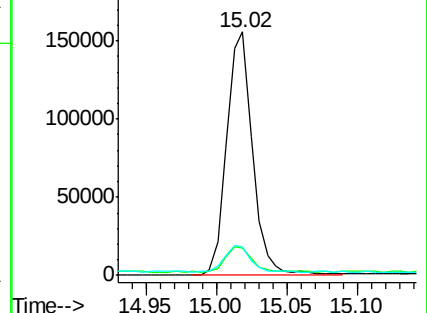
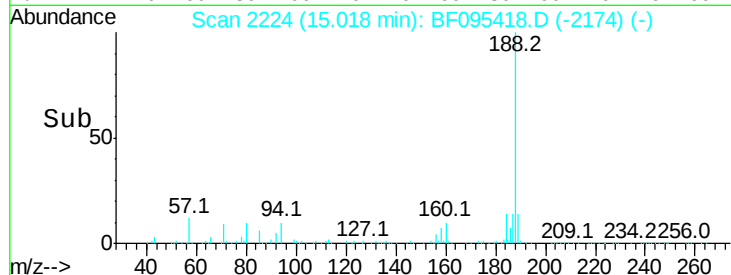
80 11.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 11.55 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

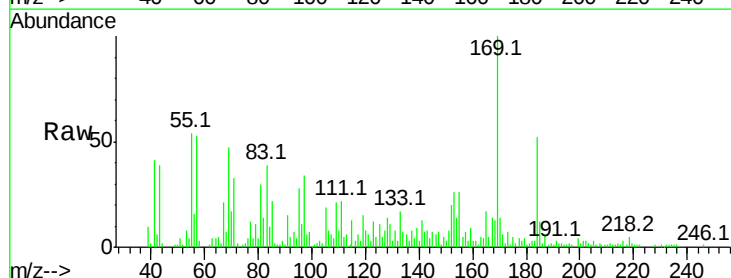
Tgt Ion:169 Resp: 82021

Ion Ratio Lower Upper

169 100

168 13.1 53.2 79.8#

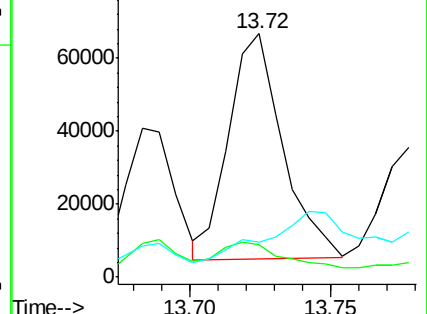
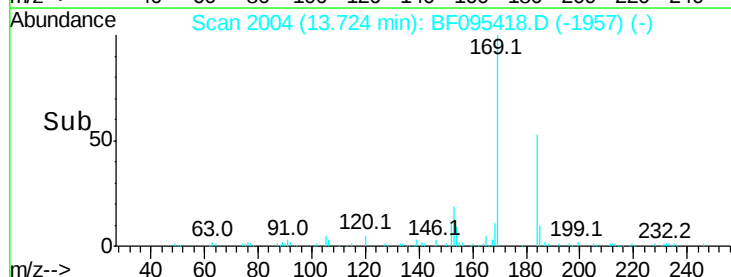
167 14.4 29.5 44.3#

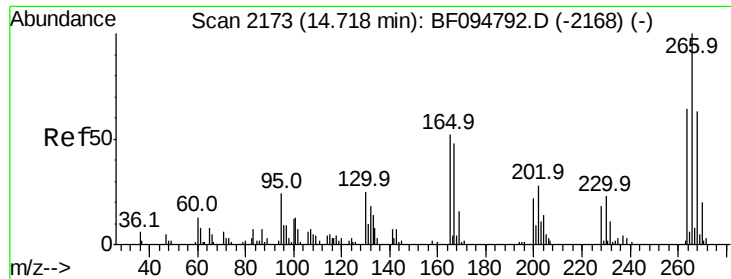


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

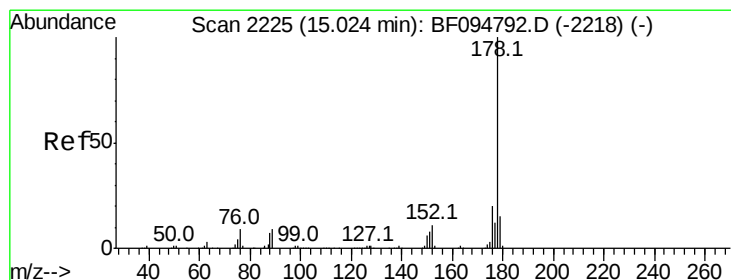
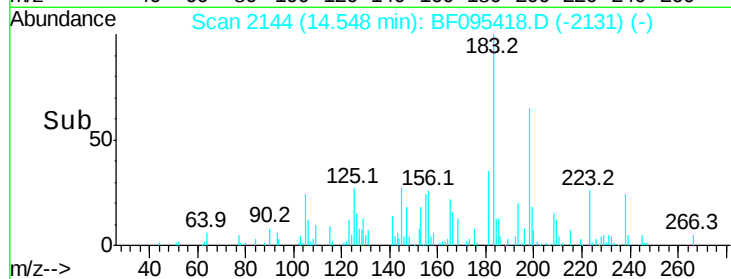
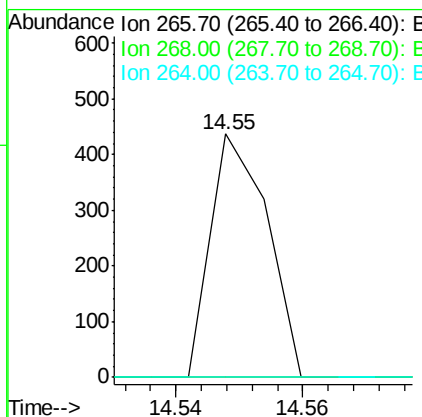
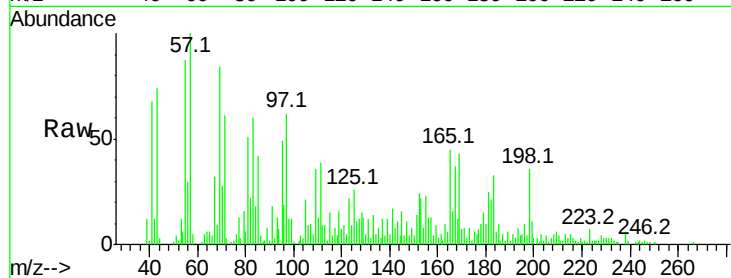




#69
 Pentachlorophenol
 Concen: 6.12 ng
 RT: 14.55 min Scan# 2144
 Delta R.T. -0.22 min
 Lab File: BF095418.D
 Acq: 25 May 2017 10:25

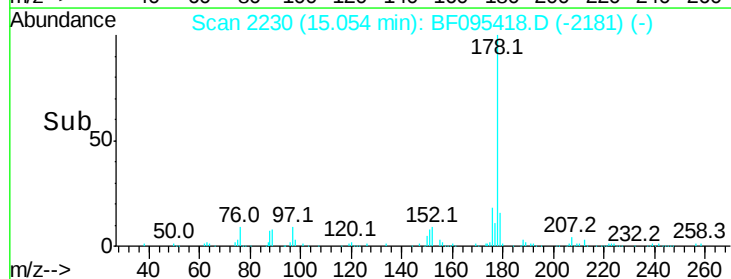
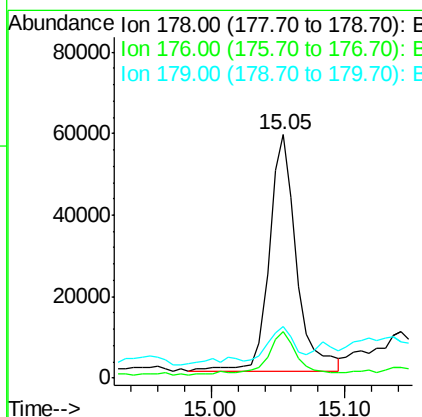
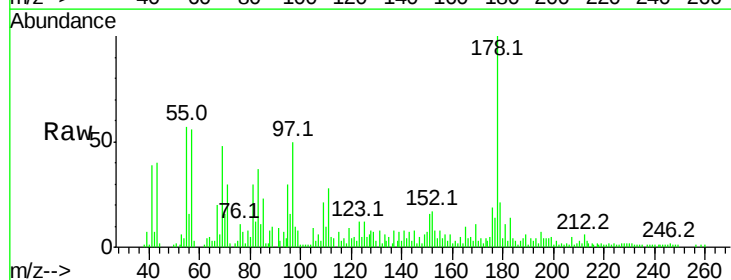
Instrument :
 BNA_F
 ClientSampleId :

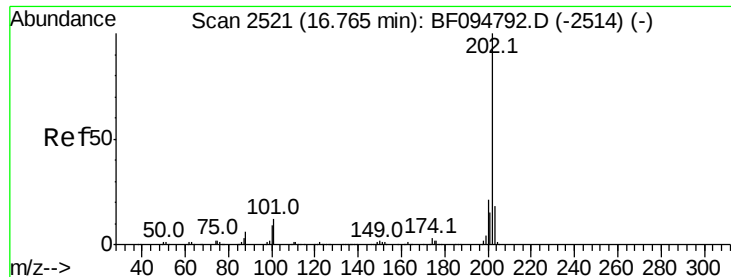
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	0.0	51.7	77.5#



#70
 Phenanthrene
 Concen: 7.44 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095418.D
 Acq: 25 May 2017 10:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	21.3	12.6	19.0#





#74

Fluoranthene

Concen: 3.90 ng

RT: 16.79 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampled :

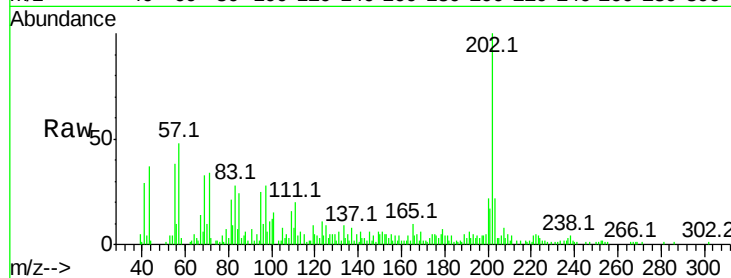
Tot Ion:202 Resp: 44913

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

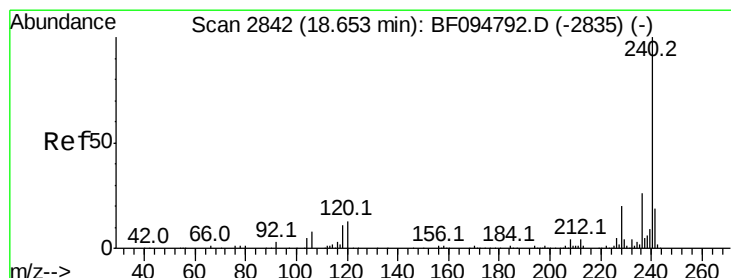
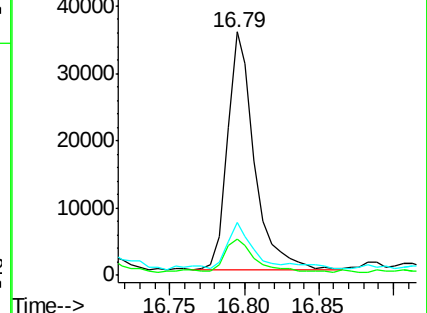
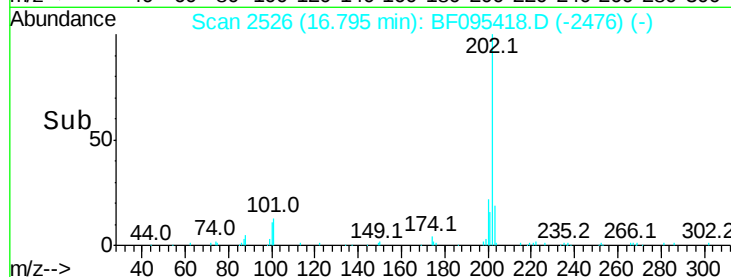
203 22.0 0.0 38.1



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# 2847

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

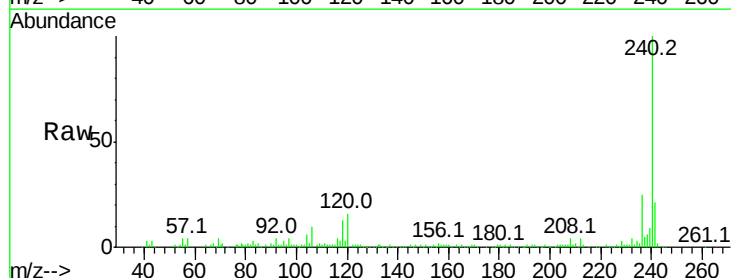
Tgt Ion:240 Resp: 176165

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

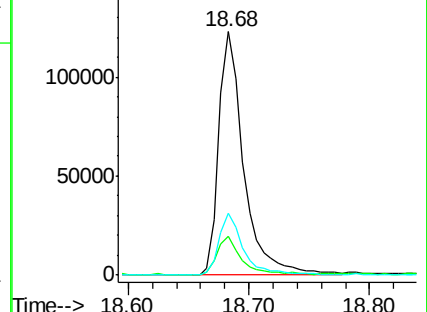
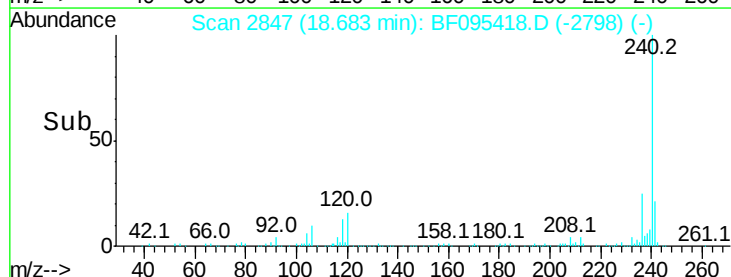
236 25.3 20.5 30.7

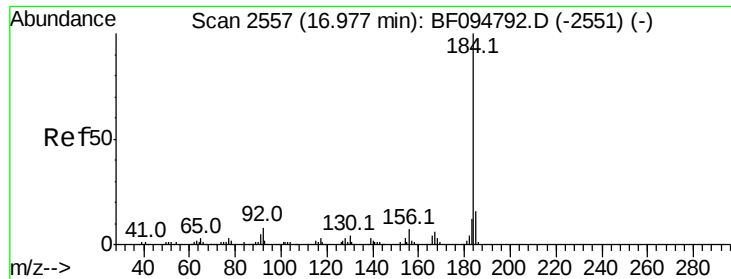


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.71 ng

RT: 17.02 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampled :

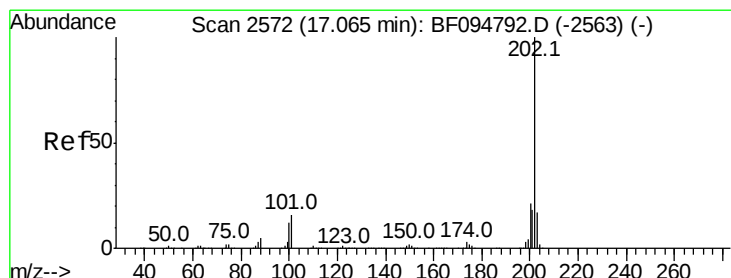
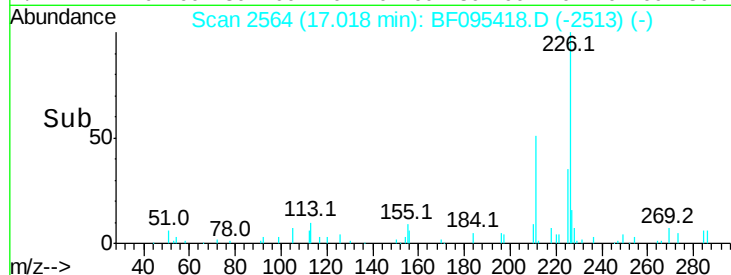
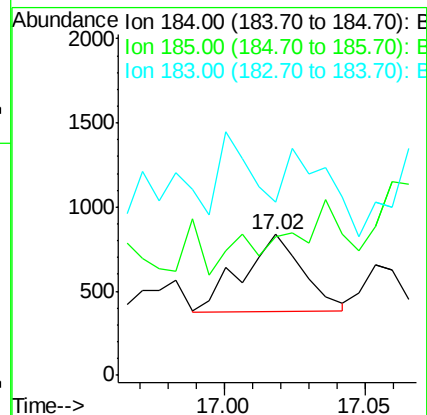
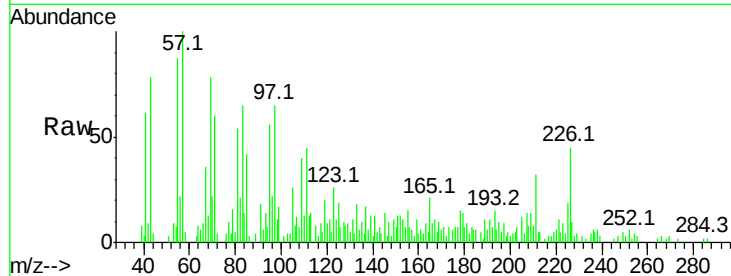
Tot Ion:184 Resp: 689

Ion Ratio Lower Upper

184 100

185 98.1 15.5 23.3#

183 122.8 9.8 14.6#



#77

Pyrene

Concen: 3.52 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

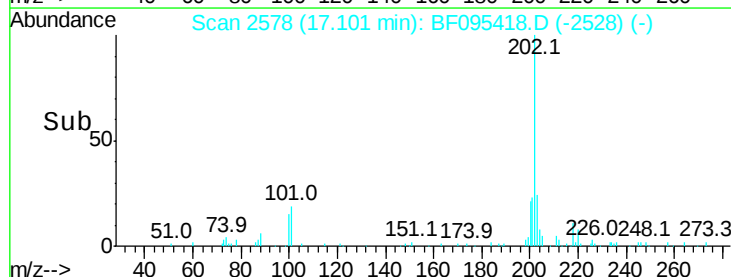
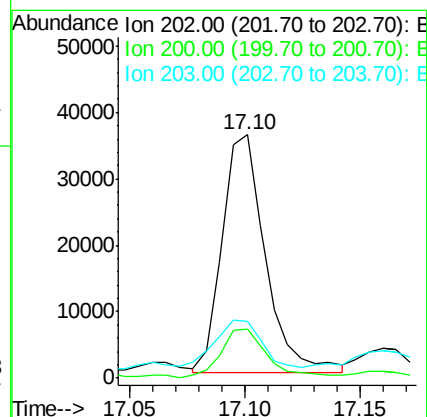
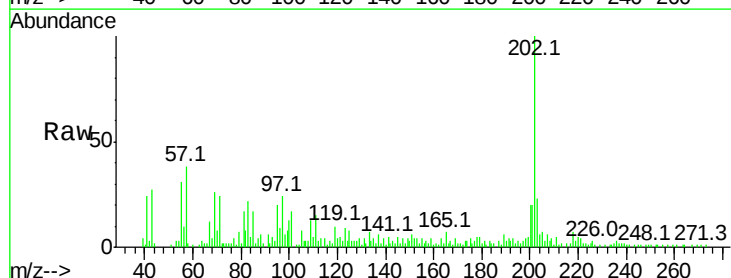
Tgt Ion:202 Resp: 46386

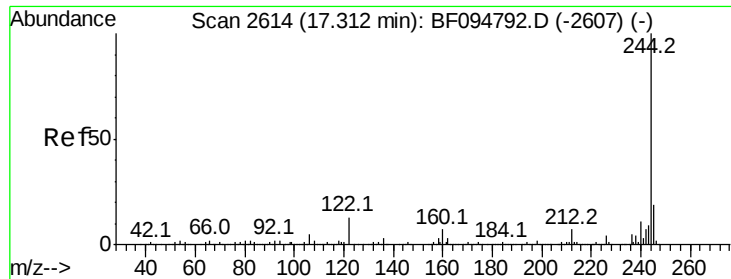
Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

203 23.2 14.4 21.6#





#78

Terphenyl-d14

Concen: 63.40 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

Instrument :

BNA_F

ClientSampled :

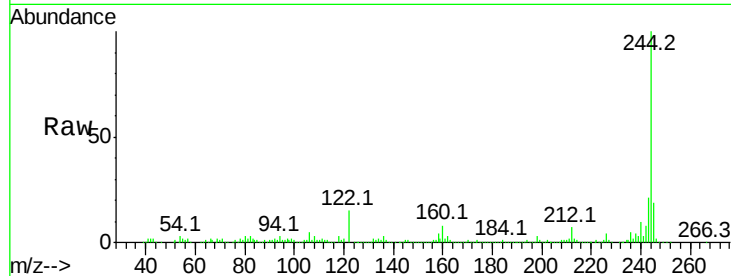
Tot Ion:244 Resp: 507113

Ion Ratio Lower Upper

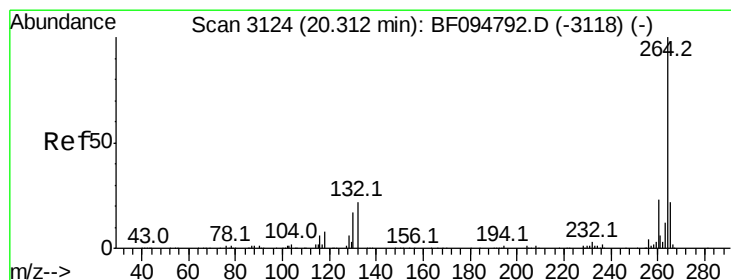
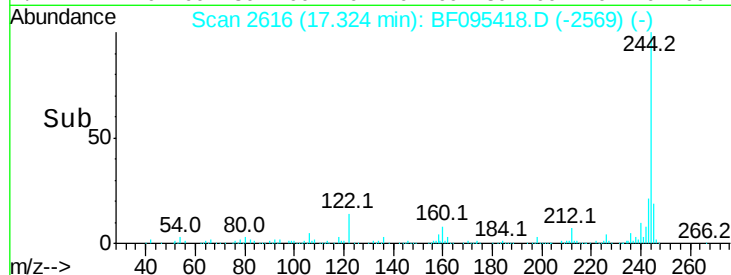
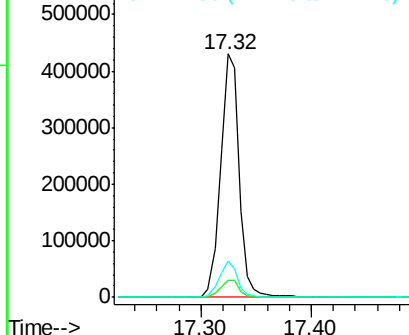
244 100

212 7.0 6.0 9.0

122 14.6 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095418.D

Acq: 25 May 2017 10:25

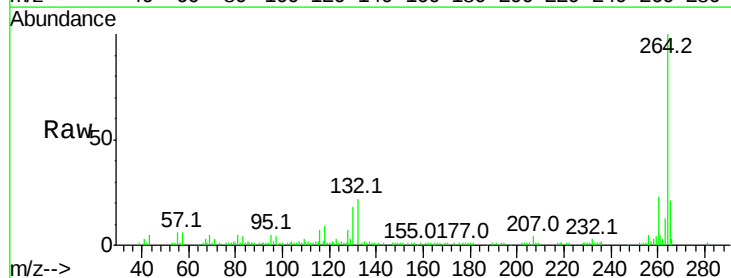
Tgt Ion:264 Resp: 114674

Ion Ratio Lower Upper

264 100

260 23.1 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

