

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095260.D
 Acq On : 19 May 2017 12:06
 Operator : SJ/MA
 Sample : I3186-13DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 14:59:03 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

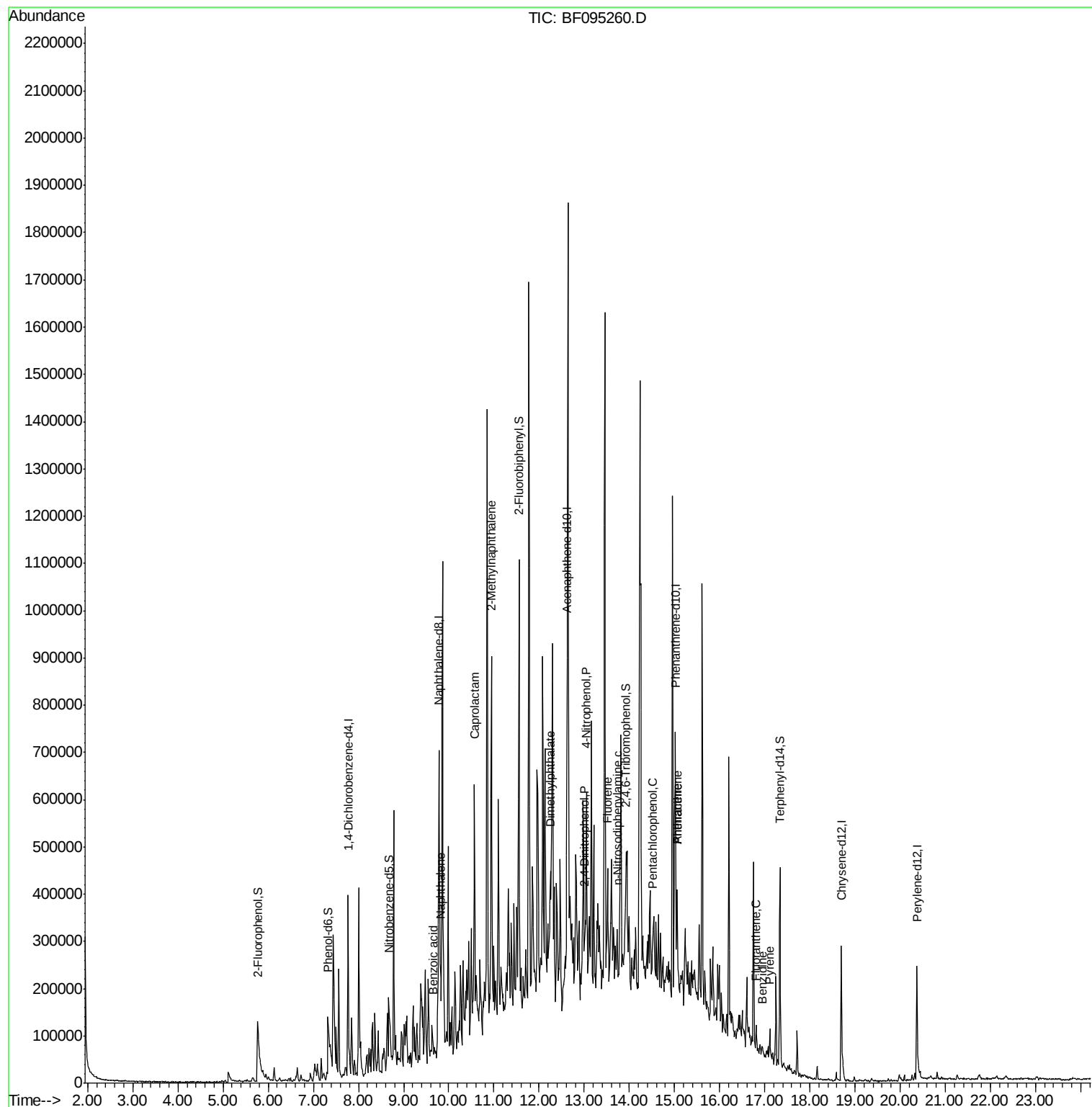
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	89723	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	375639	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	169083	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	268353	20.00	ng	0.00
75) Chrysene-d12	18.69	240	167263	20.00	ng	0.00
86) Perylene-d12	20.37	264	149673	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	155360	28.87	ng	0.03
7) Phenol-d6	7.32	99	181143	28.05	ng	0.01
23) Nitrobenzene-d5	8.67	82	114368	19.20	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	40180	29.02	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	255168	21.72	ng	0.00
78) Terphenyl-d14	17.34	244	175029	23.05	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.82	128	101741	5.39	ng	99
32) Benzoic acid	9.65	122	438	5.19	ng	# 1
35) Caprolactam	10.58	113	16003	10.36	ng	# 79
37) 2-Methylnaphthalene	10.94	142	273700	22.09	ng	98
49) Dimethylphthalate	12.25	163	52970	3.82	ng	# 99
53) 2,4-Dinitrophenol	13.00	184	346	6.45	ng	# 1
55) 4-Nitrophenol	13.05	139	5742	3.15	ng	# 72
57) Fluorene	13.52	166	33743	2.61	ng	# 93
65) n-Nitrosodiphenylamine	13.73	169	34439	3.54	ng	# 58
69) Pentachlorophenol	14.52	266	164	5.98	ng	# 18
70) Phenanthrene	15.06	178	122866	7.97	ng	95
71) Anthracene	15.06	178	122866	7.80	ng	96
74) Fluoranthene	16.81	202	35570	2.25	ng	99
76) Benzidine	16.96	184	118	6.61	ng	# 1
77) Pyrene	17.11	202	35684	2.85	ng	97

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

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
Data File : BF095260.D
Acq On : 19 May 2017 12:06
Operator : SJ/MA
Sample : I3186-13DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 19 14:59:03 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



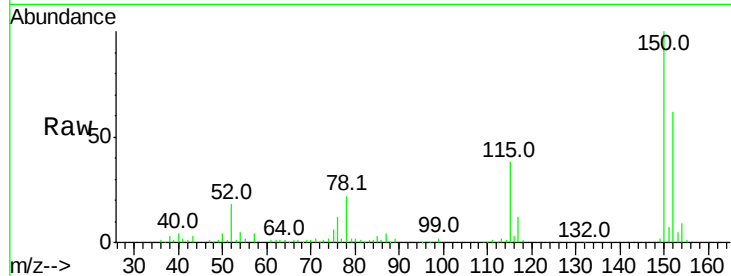


#1

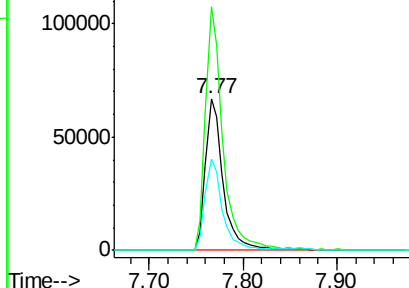
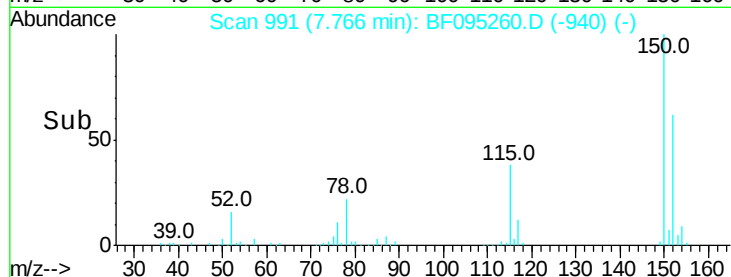
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89723
Ion Ratio Lower Upper
152 100
150 160.8 126.2 189.2
115 60.3 52.2 78.2



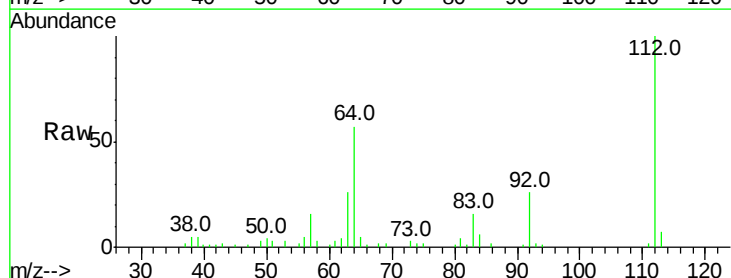
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



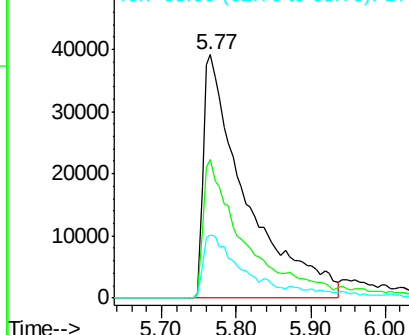
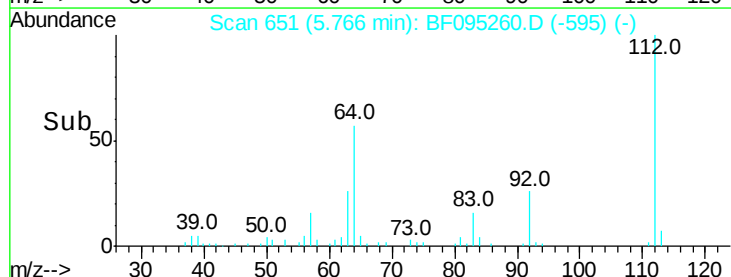
#5

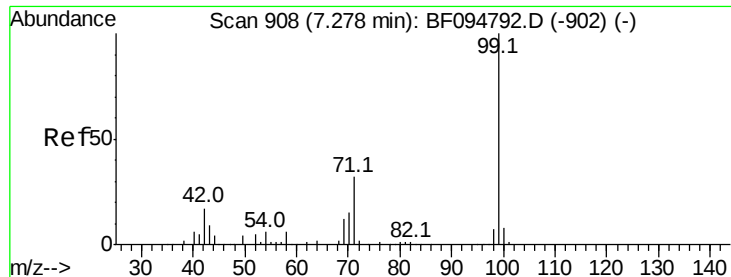
2-Fluorophenol
Concen: 28.87 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.03 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion:112 Resp: 155360
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 25.8 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: 28.05 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

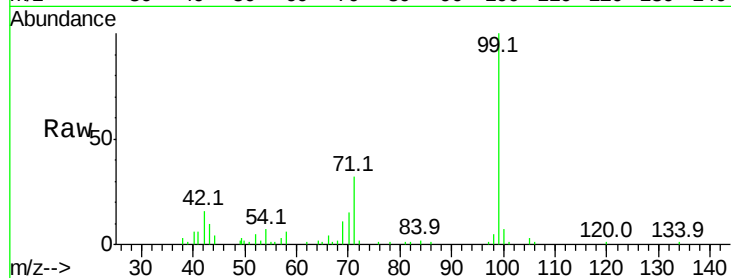
Tot Ion: 99 Resp: 181143

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

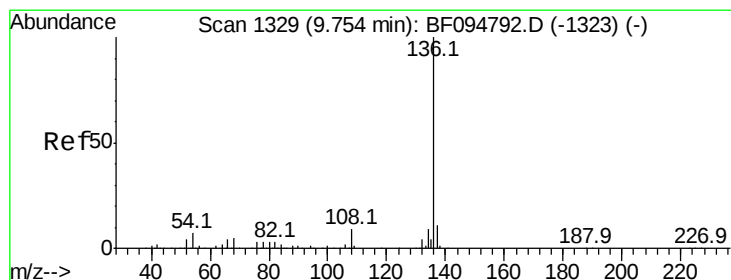
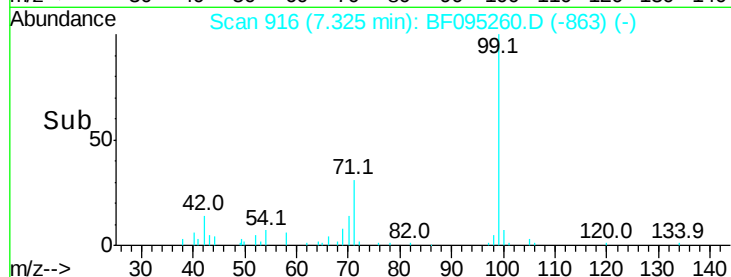
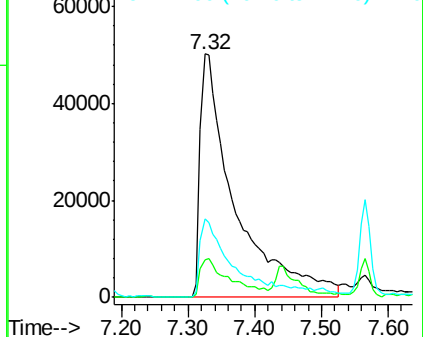
71 32.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Tgt Ion: 136 Resp: 375639

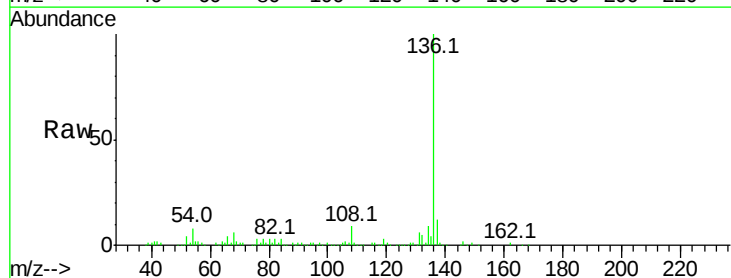
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 7.5 4.9 7.3#

68 5.7 4.1 6.1

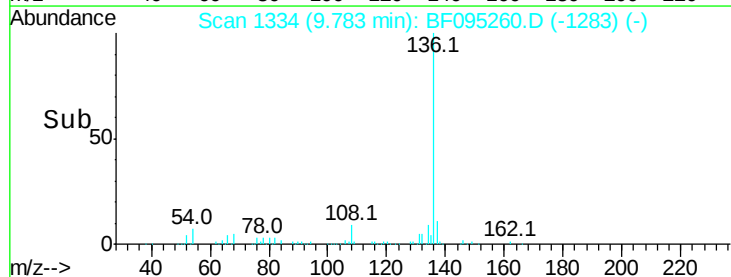
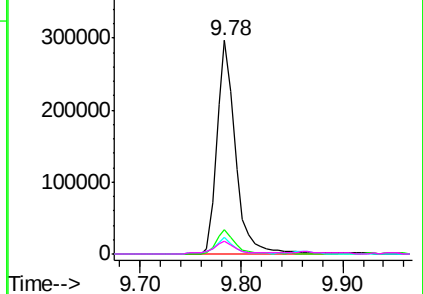


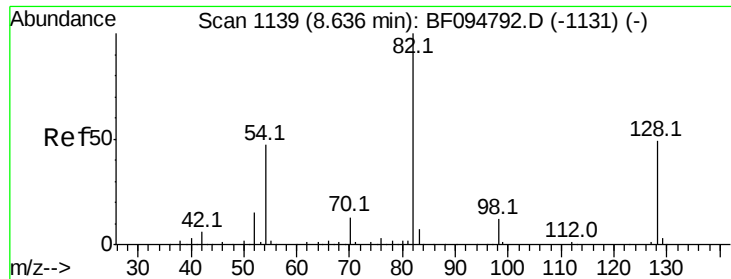
Abundance Ion 136.00 (135.70 to 136.70): E

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

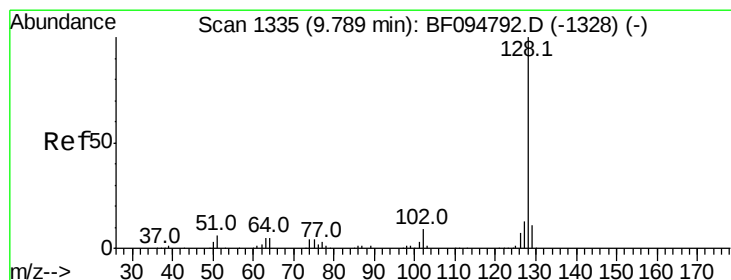
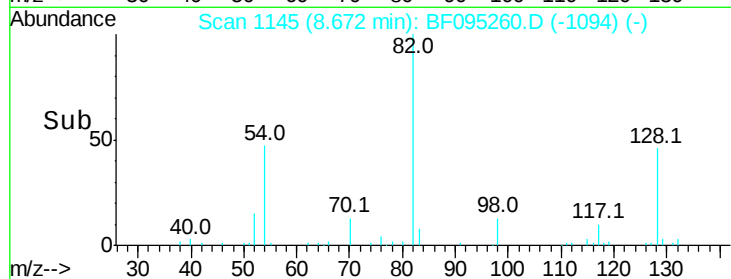
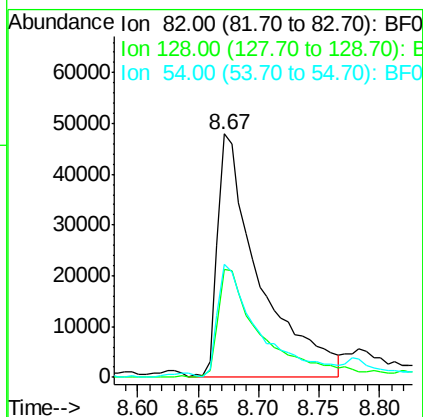
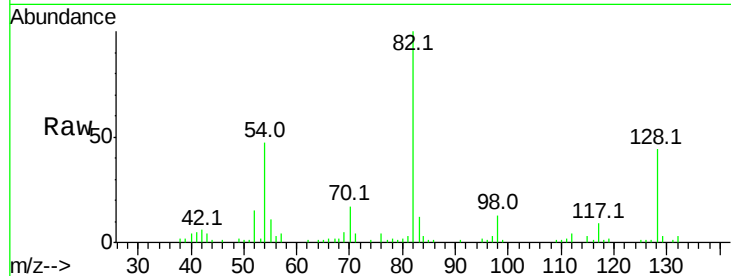




#23
Nitrobenzene-d5
Concen: 19.20 ng
RT: 8.67 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

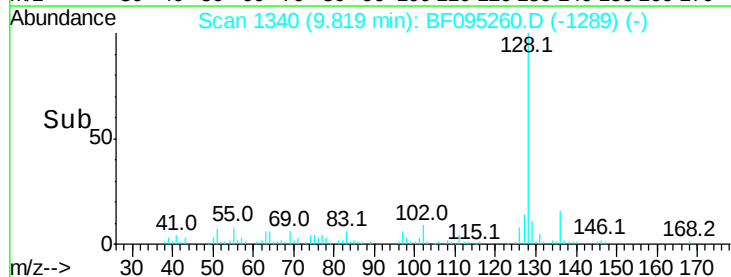
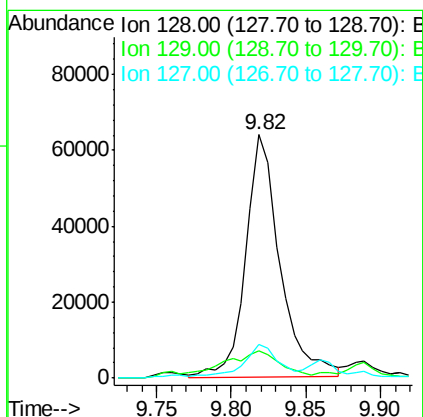
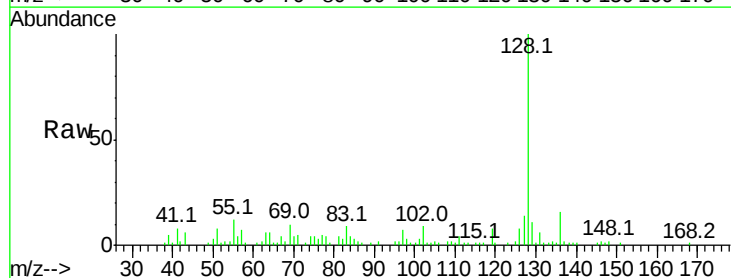
Instrument :
BNA_F
ClientSampleId :

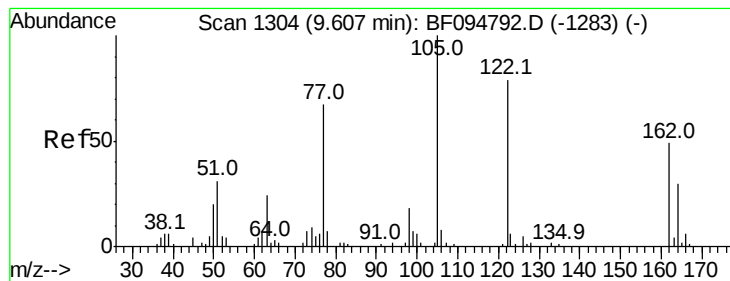
Tot Ion: 82 Resp: 114368
Ion Ratio Lower Upper
82 100
128 44.4 34.0 51.0
54 46.6 42.2 63.2



#31
Naphthalene
Concen: 5.39 ng
RT: 9.82 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion: 128 Resp: 101741
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.8 10.8 16.2





#32

Benzoic acid

Concen: 5.19 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :
BNA_F
ClientSampleId :

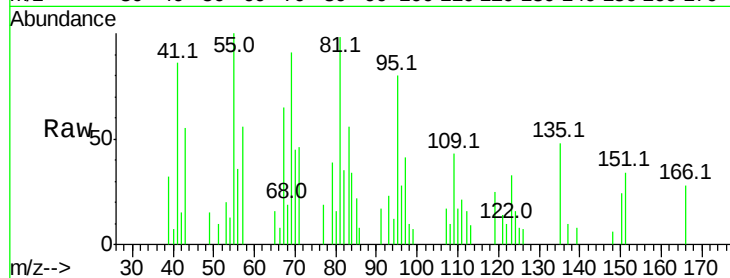
Tot Ion:122 Resp: 438

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

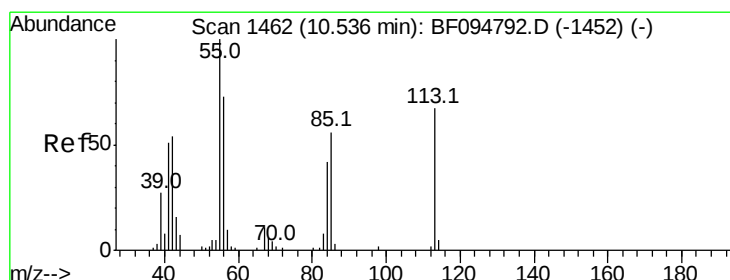
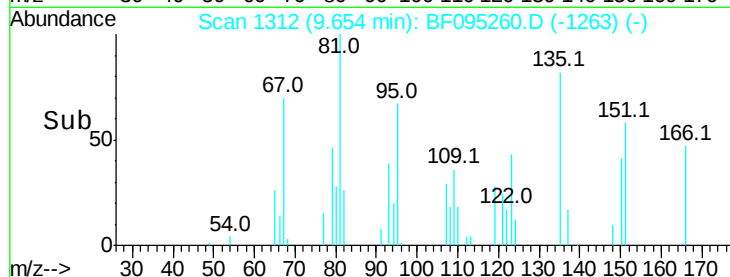
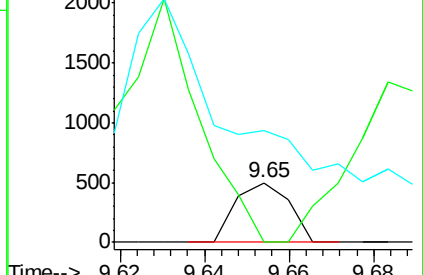
77 187.9 73.7 113.7#



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: 10.36 ng

RT: 10.58 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

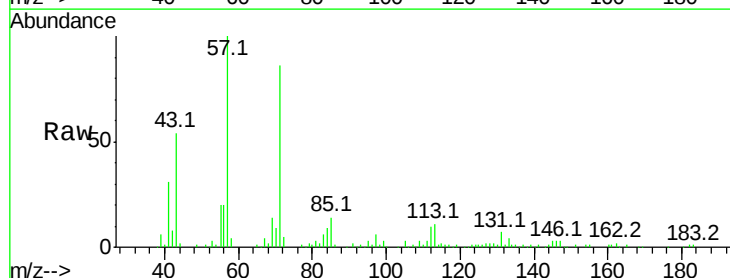
Tgt Ion:113 Resp: 16003

Ion Ratio Lower Upper

113 100

55 173.6 150.2 190.2

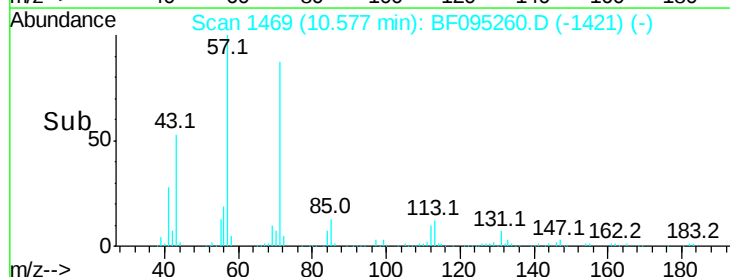
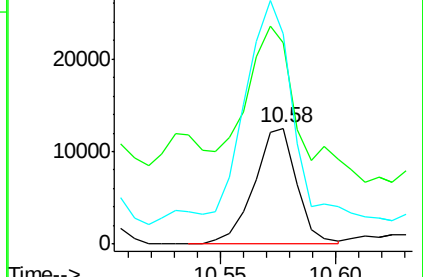
56 180.9 107.8 147.8#

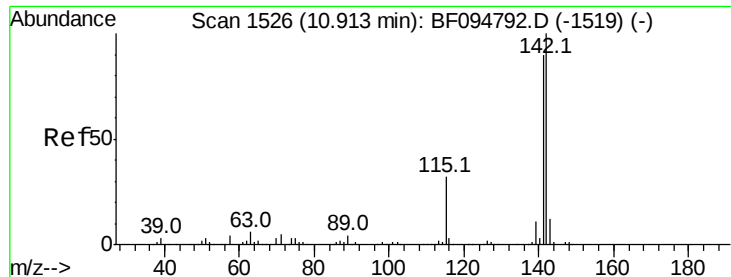


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

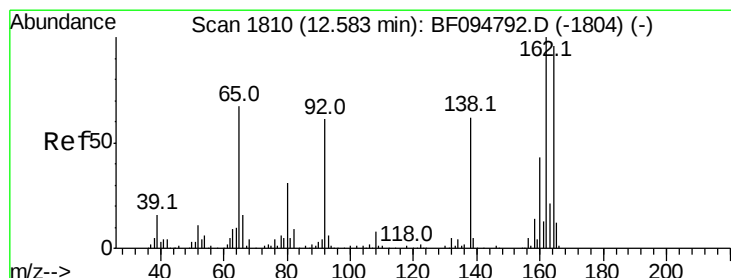
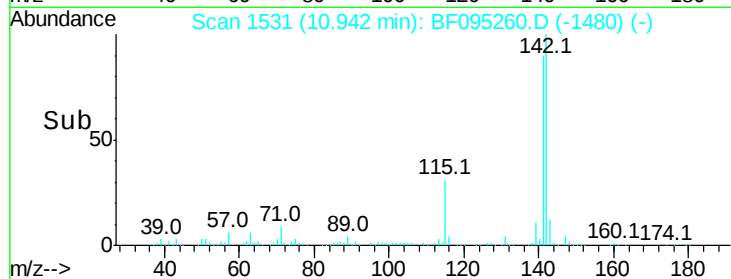
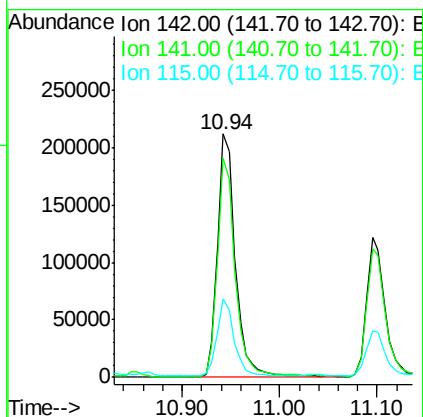
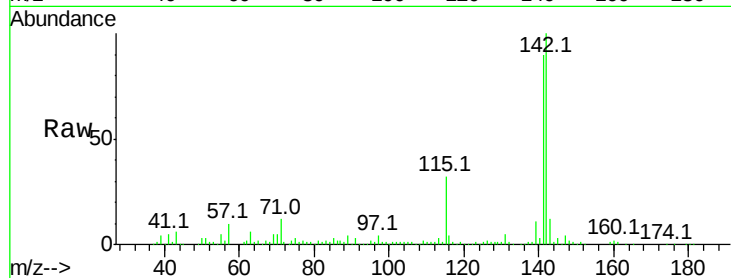




#37
2-Methylnaphthalene
Concen: 22.09 ng
RT: 10.94 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

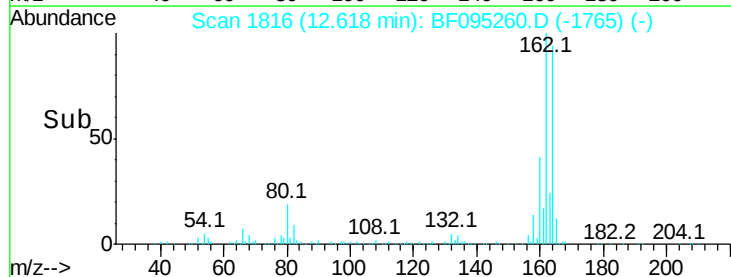
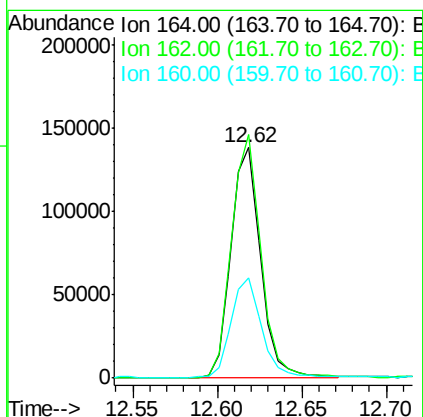
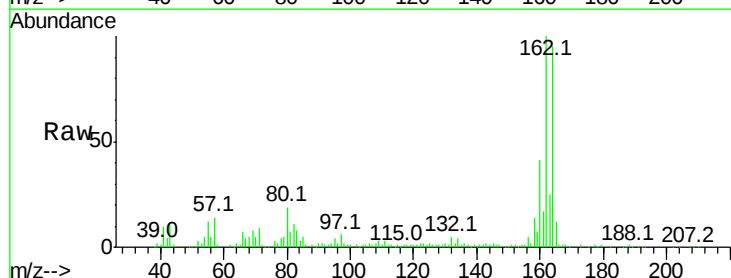
Instrument :
BNA_F
ClientSampled :

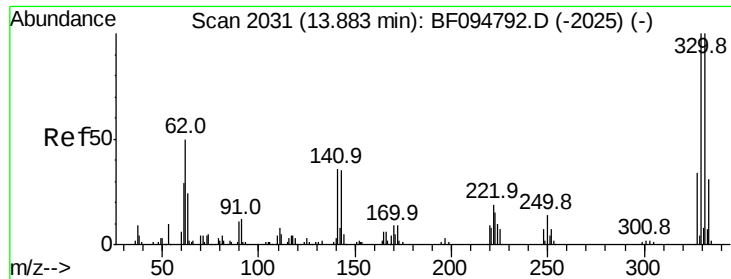
Tot Ion:142 Resp: 273700
Ion Ratio Lower Upper
142 100
141 90.2 71.3 106.9
115 32.2 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion:164 Resp: 169083
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 43.4 36.2 54.2

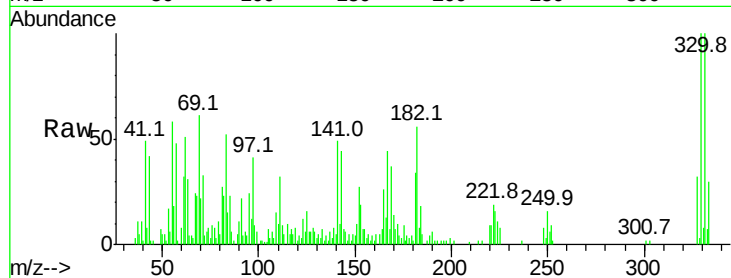




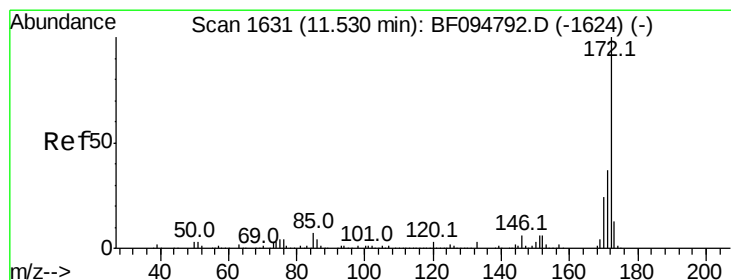
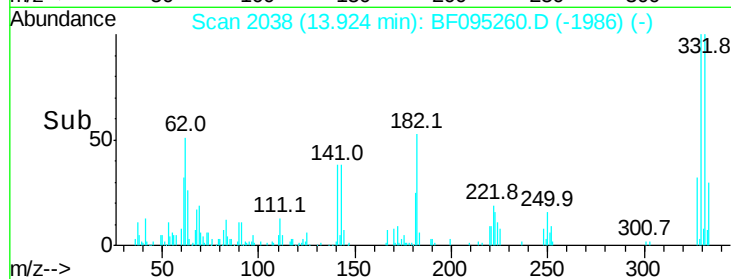
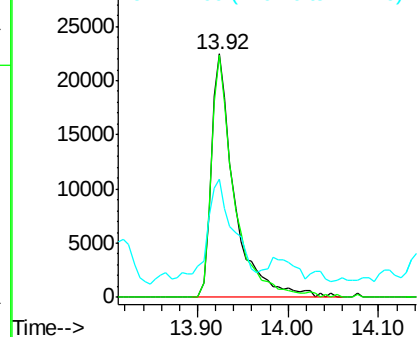
#41
 2,4,6-Tribromophenol
 Concen: 29.02 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 40180
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 49.8 31.4 47.2#

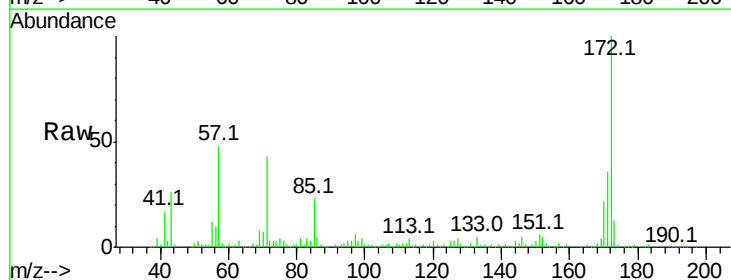


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

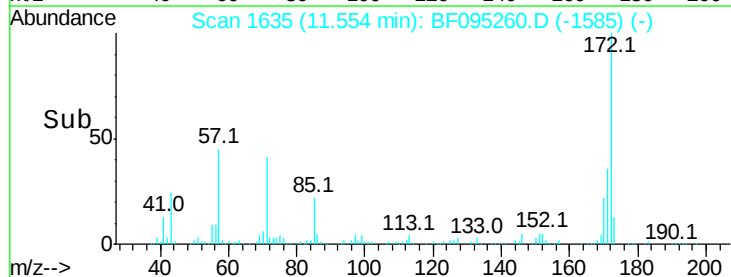
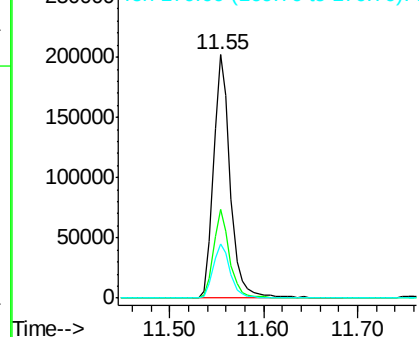


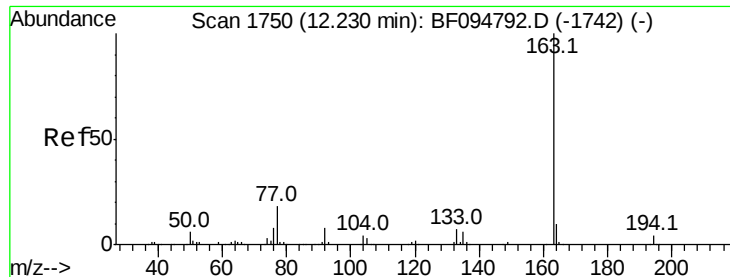
#44
 2-Fluorobiphenyl
 Concen: 21.72 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion:172 Resp: 255168
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 22.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.82 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampled :

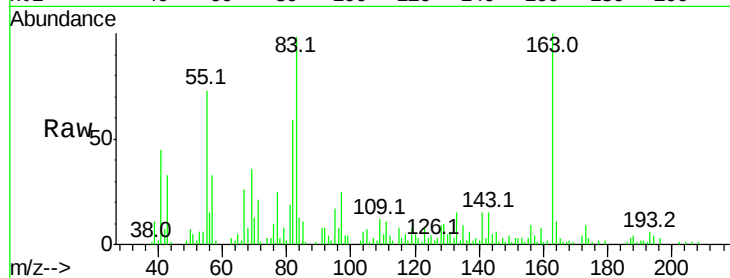
Tot Ion:163 Resp: 52970

Ion Ratio Lower Upper

163 100

194 4.4 2.6 4.0#

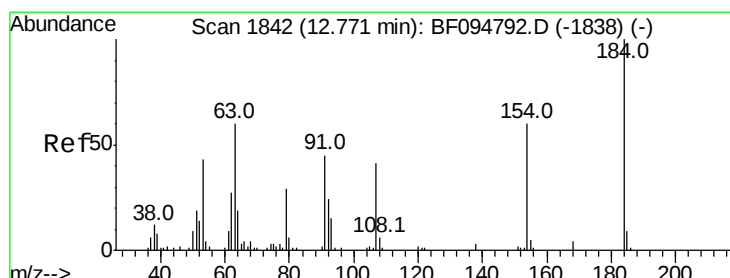
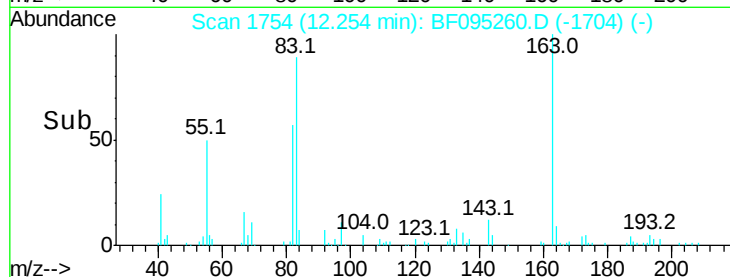
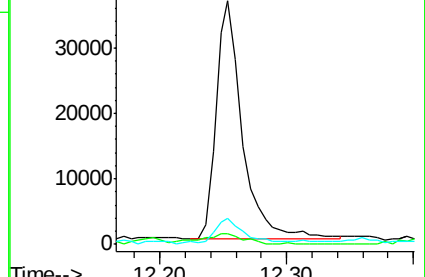
164 10.6 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 6.45 ng

RT: 13.00 min Scan# 1881

Delta R.T. 0.15 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

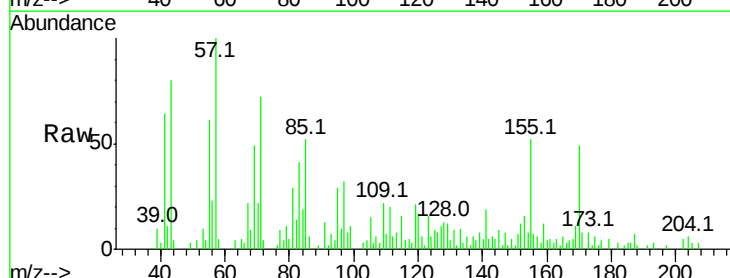
Tgt Ion:184 Resp: 346

Ion Ratio Lower Upper

184 100

63 207.2 62.7 94.1#

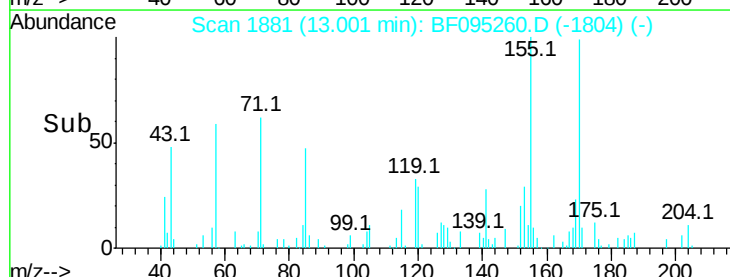
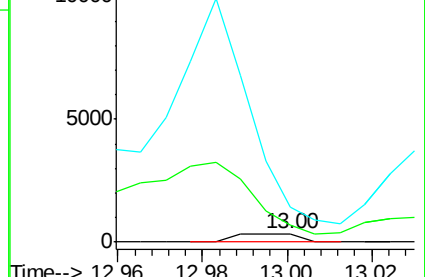
154 426.1 81.1 121.7#

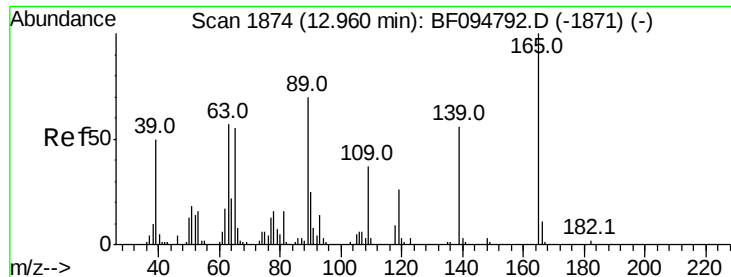


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 3.15 ng

RT: 13.05 min Scan# 1889

Delta R.T. 0.01 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampled :

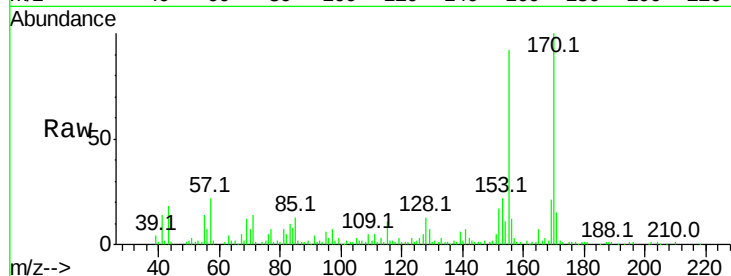
Tot Ion:139 Resp: 5742

Ion Ratio Lower Upper

139 100

109 82.4 34.1 74.1#

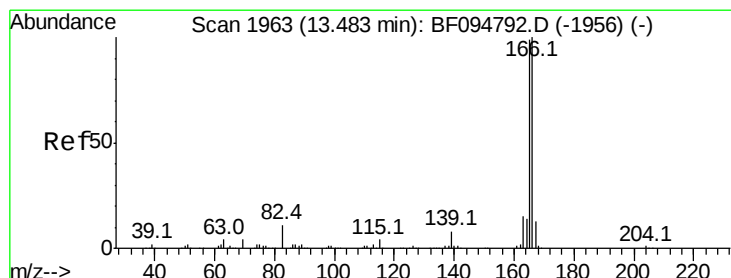
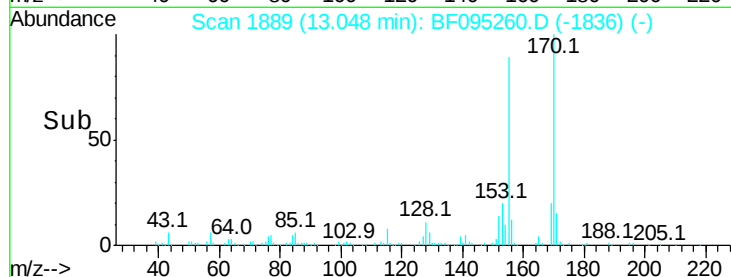
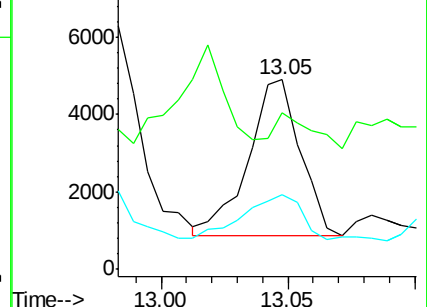
65 39.7 31.4 71.4



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



#57

Fluorene

Concen: 2.61 ng

RT: 13.52 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

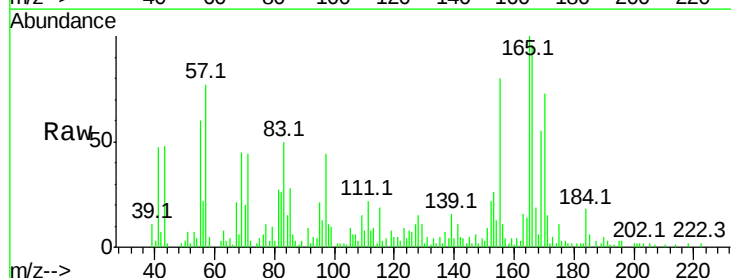
Tgt Ion:166 Resp: 33743

Ion Ratio Lower Upper

166 100

165 104.2 78.8 118.2

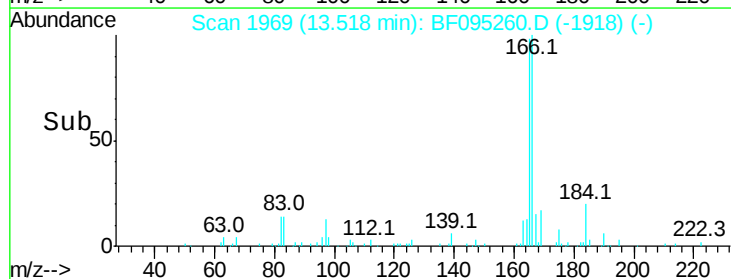
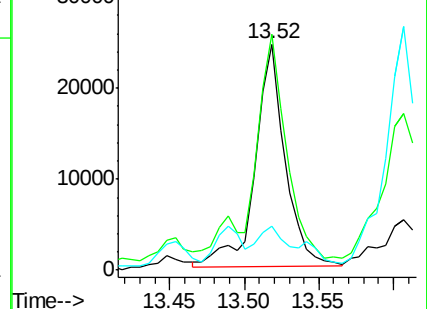
167 19.4 10.6 16.0#

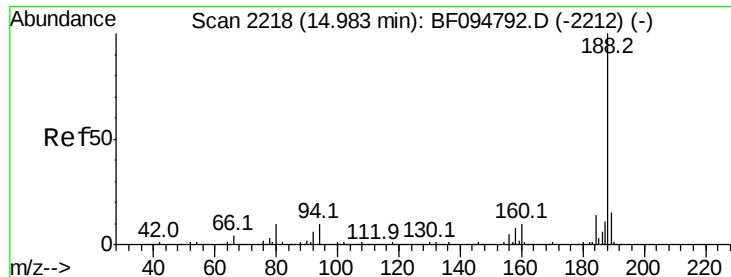


Abundance Ion 166.00 (165.70 to 166.70): E

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# 2225

Delta R.T. 0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampled :

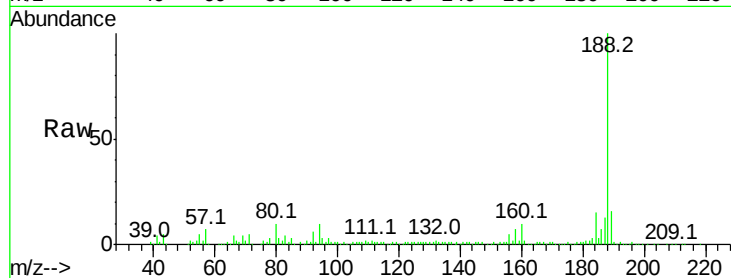
Tot Ion:188 Resp: 268353

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

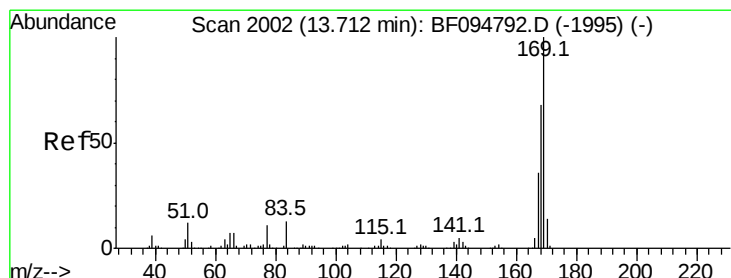
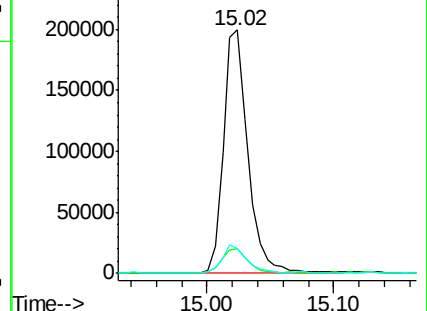
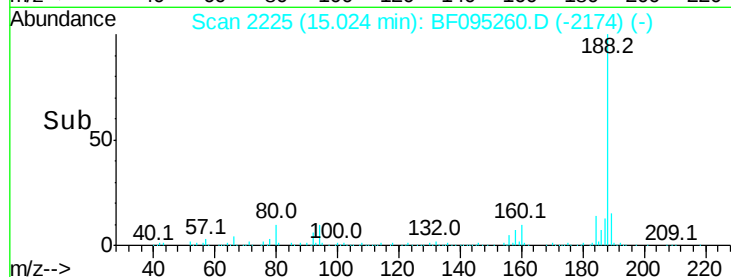
80 10.1 10.2 15.2#



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: 3.54 ng

RT: 13.73 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

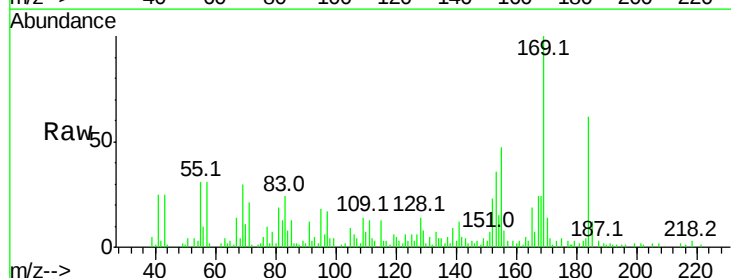
Tgt Ion:169 Resp: 34439

Ion Ratio Lower Upper

169 100

168 23.8 53.2 79.8#

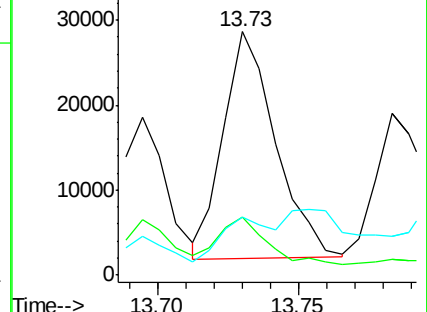
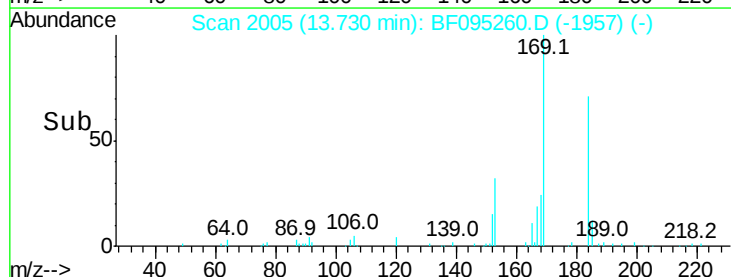
167 24.0 29.5 44.3#

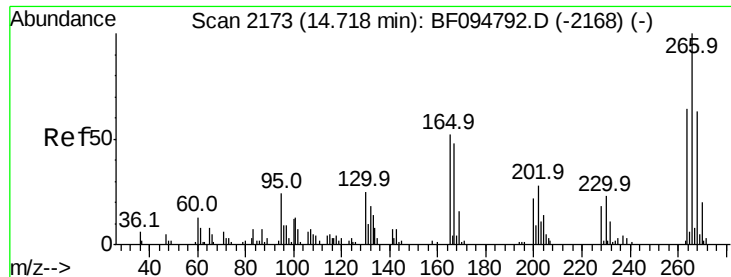


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

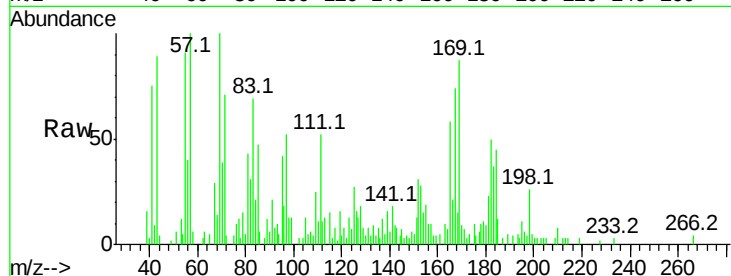




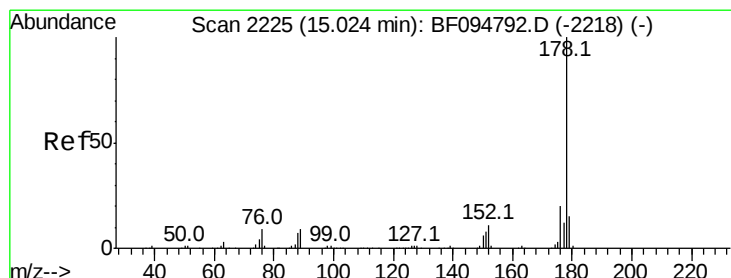
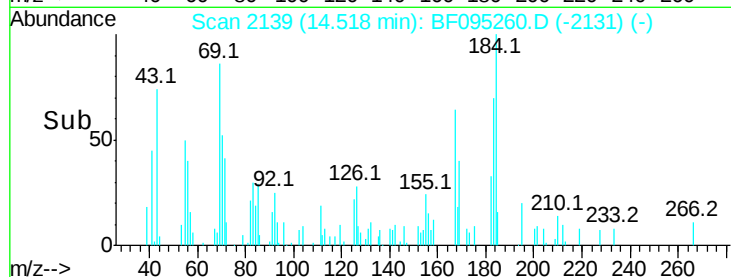
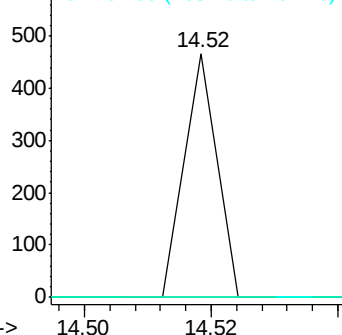
#69
 Pentachlorophenol
 Concen: 5.98 ng
 RT: 14.52 min Scan# 2139
 Delta R.T. -0.25 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 164
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 51.7 77.5#

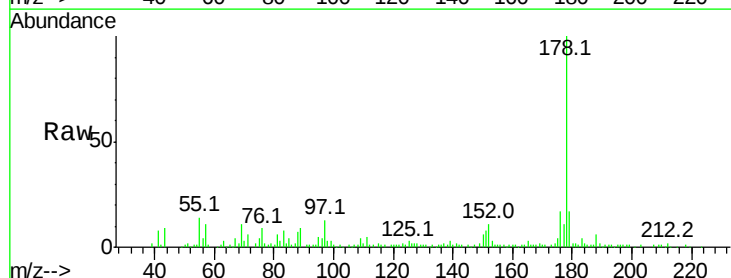


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

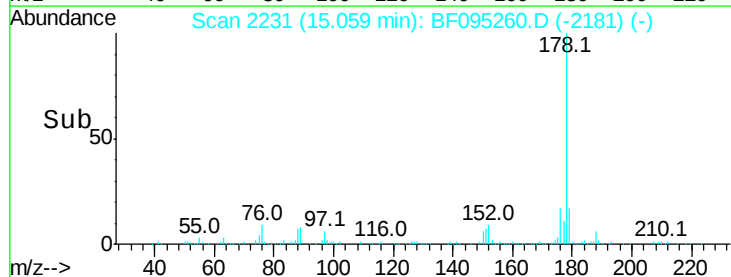
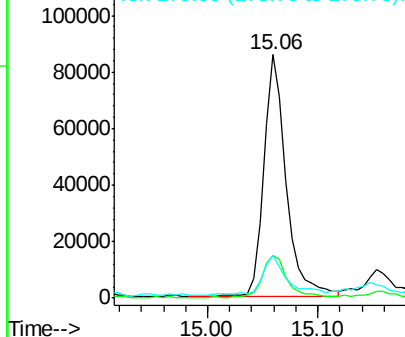


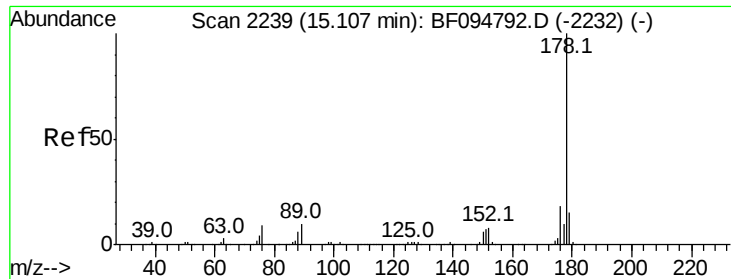
#70
 Phenanthrene
 Concen: 7.97 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion:178 Resp: 122866
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 17.4 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

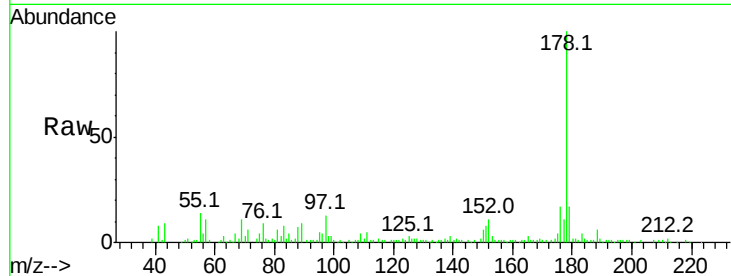




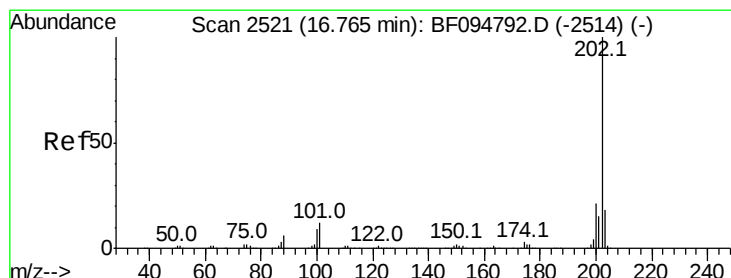
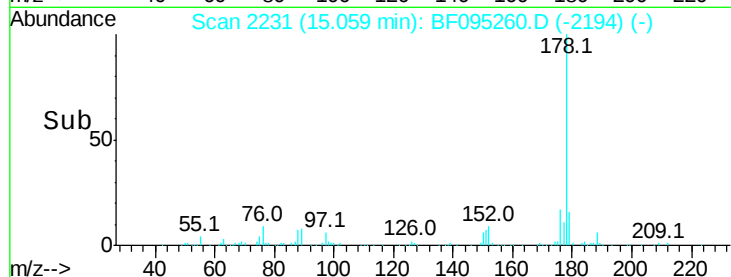
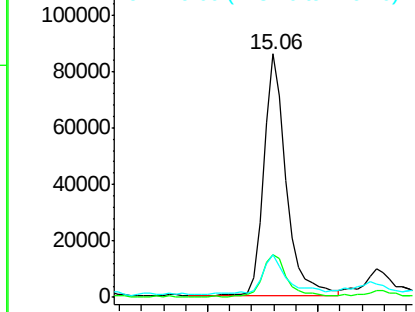
#71
 Anthracene
 Concen: 7.80 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.08 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 122866
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 17.4 12.7 19.1

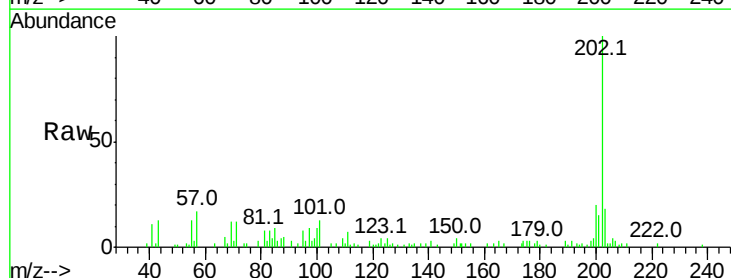


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

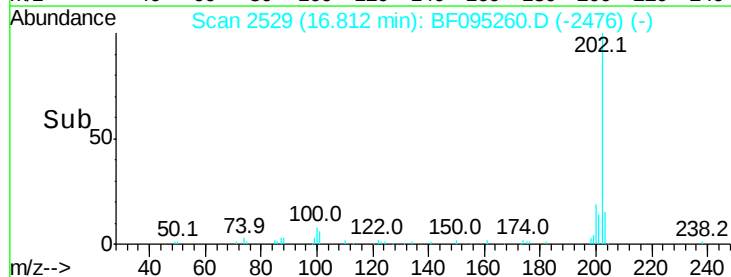
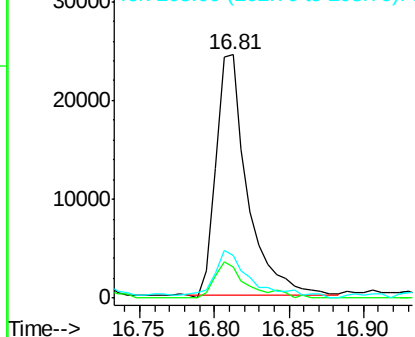


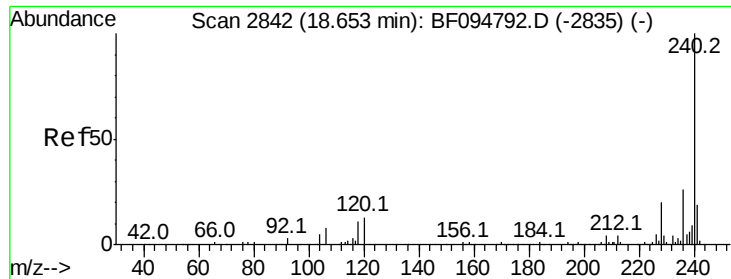
#74
 Fluoranthene
 Concen: 2.25 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Tgt Ion:202 Resp: 35570
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.7 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# 2849

Delta R.T. 0.00 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

Instrument :

BNA_F

ClientSampleId :

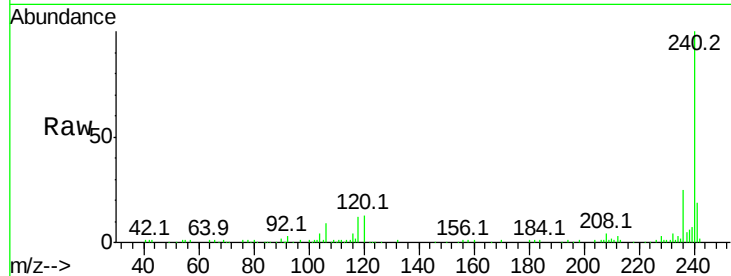
Tot Ion:240 Resp: 167263

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

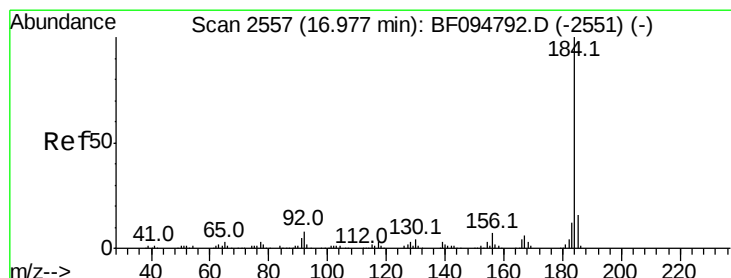
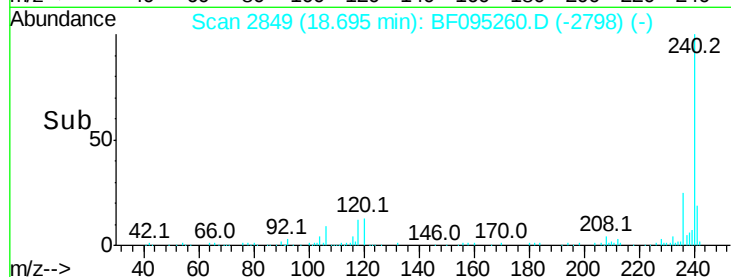
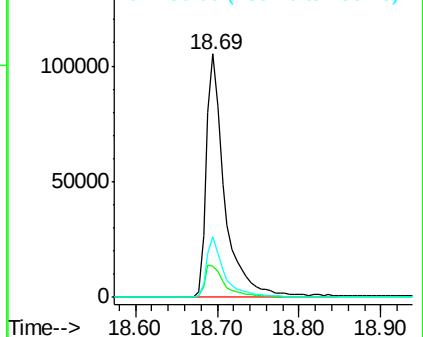
236 24.8 20.5 30.7



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: 6.61 ng

RT: 16.96 min Scan# 2554

Delta R.T. -0.06 min

Lab File: BF095260.D

Acq: 19 May 2017 12:06

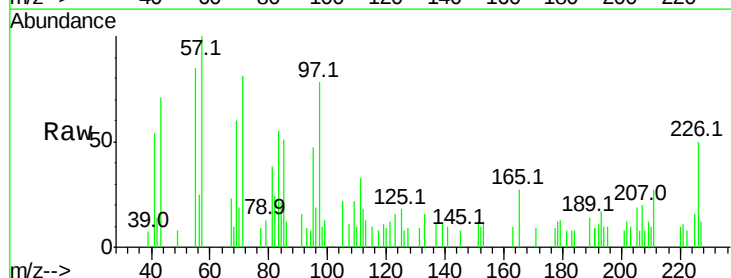
Tgt Ion:184 Resp: 118

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

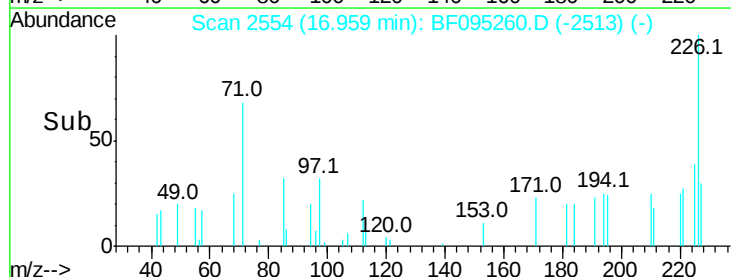
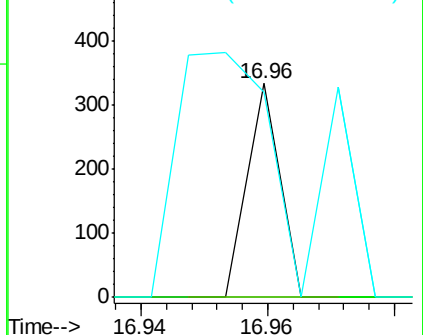
183 95.8 9.8 14.6#

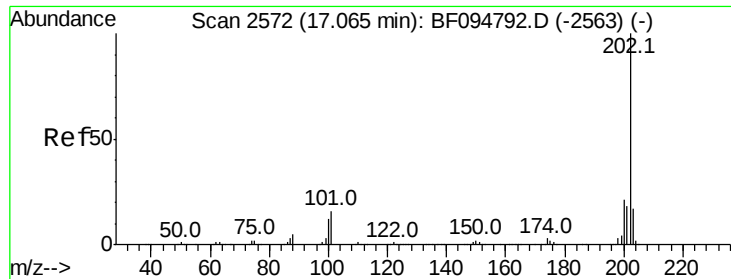


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

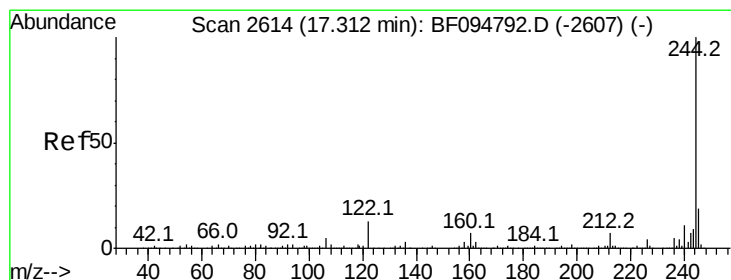
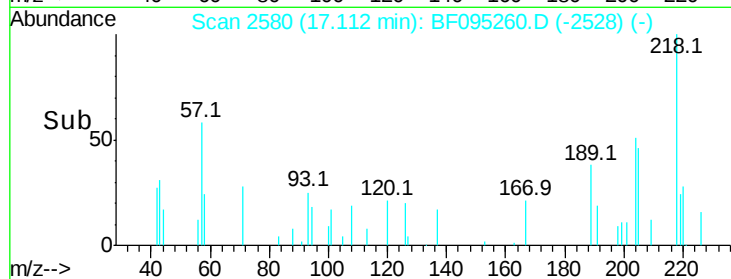
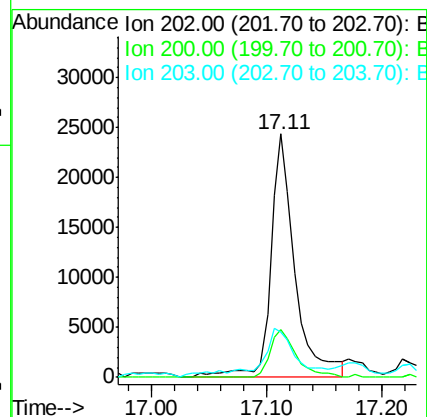
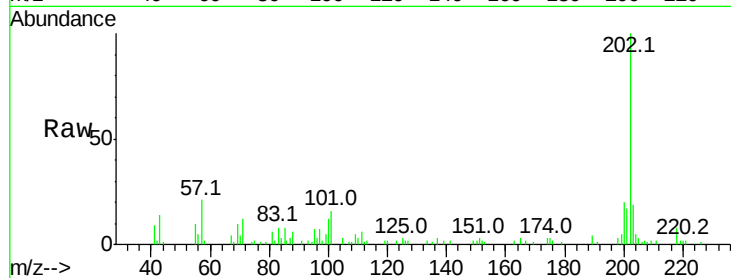




#77
Pvrene
Concen: 2.85 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

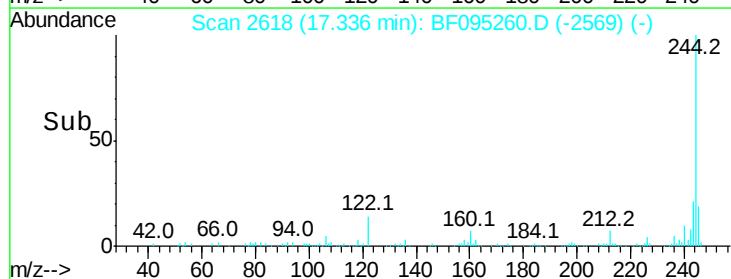
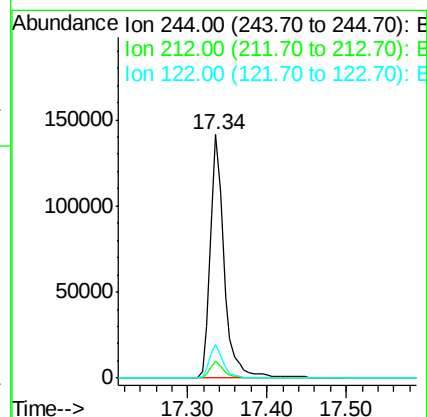
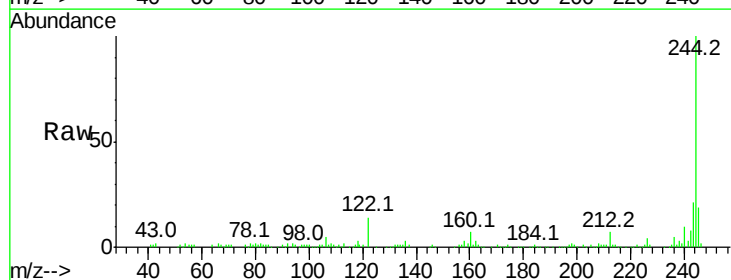
Instrument :
BNA_F
ClientSampleId :

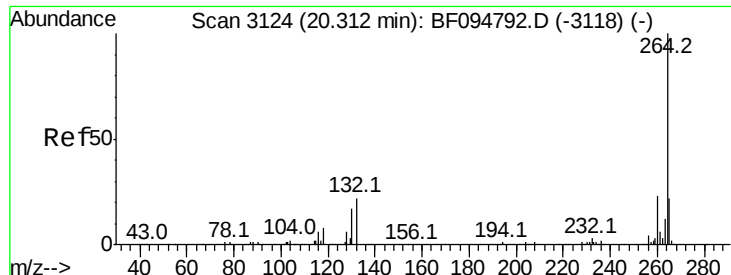
Tot Ion:202 Resp: 35684
Ion Ratio Lower Upper
202 100
200 19.5 17.6 26.4
203 18.6 14.4 21.6



#78
Terphenyl-d14
Concen: 23.05 ng
RT: 17.34 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BF095260.D
Acq: 19 May 2017 12:06

Tgt Ion:244 Resp: 175029
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.8 10.3 15.5

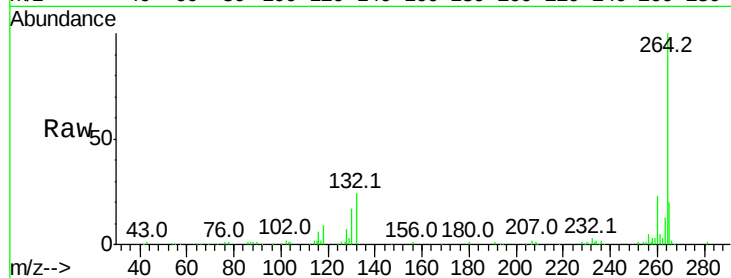




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BF095260.D
 Acq: 19 May 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	20.4	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

