

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095309.D
 Acq On : 22 May 2017 12:34
 Operator : SJ/MA
 Sample : I3203-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 13:21:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

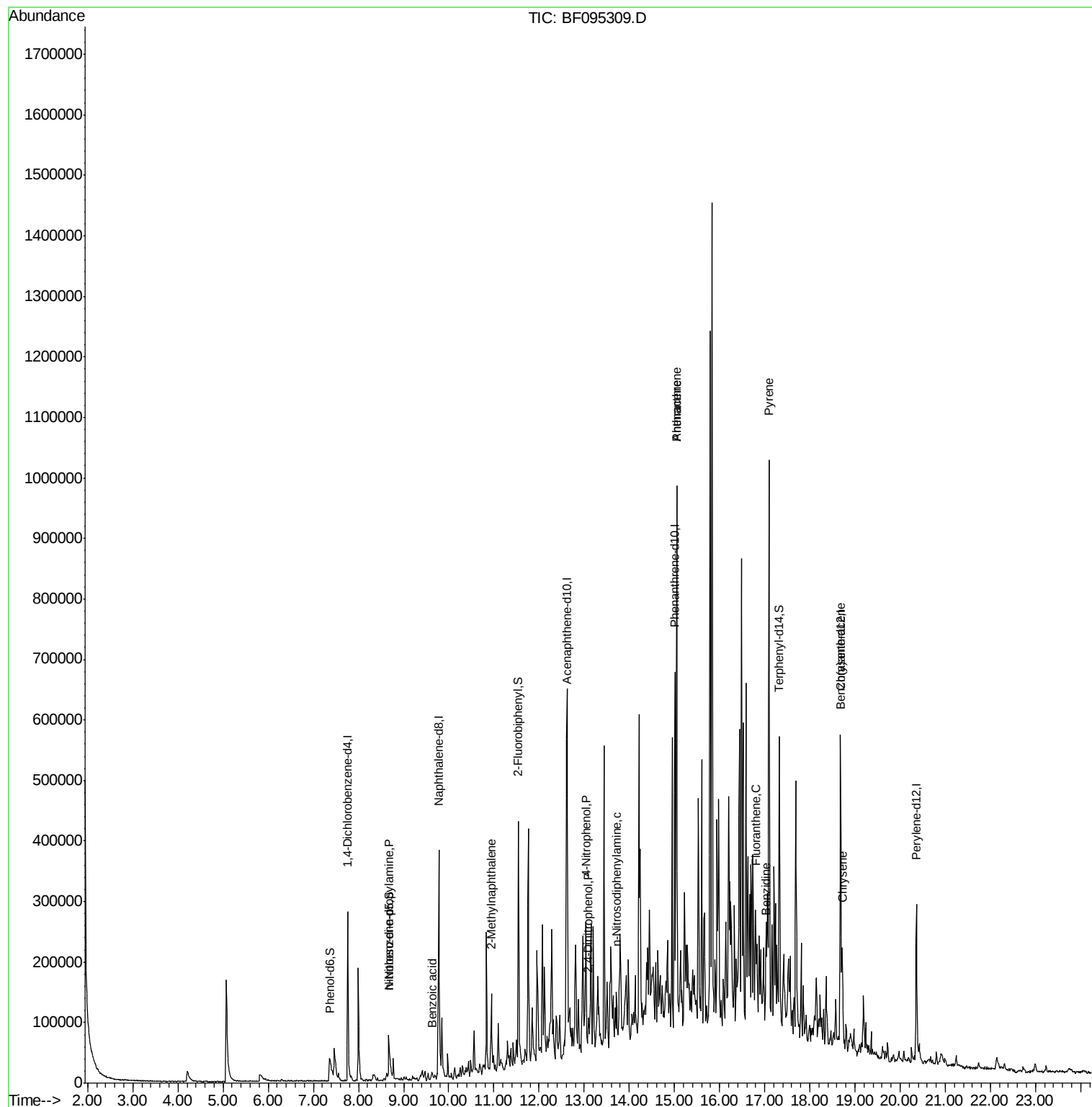
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	69543	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	293262	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	142339	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	266229	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	219369	20.00	ng	-0.01
86) Perylene-d12	20.36	264	149608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	6405	1.54	ng	0.08
7) Phenol-d6	7.36	99	63593	12.71	ng	0.05
23) Nitrobenzene-d5	8.67	82	64553	13.88	ng	0.00
41) 2,4,6-Tribromophenol	13.94	330	1869	1.60	ng	0.02
44) 2-Fluorobiphenyl	11.55	172	161949	16.38	ng	-0.01
78) Terphenyl-d14	17.32	244	156684	15.73	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.67	70	8168	2.41	ng	# 77
32) Benzoic acid	9.64	122	4692	6.58	ng	# 13
37) 2-Methylnaphthalene	10.94	142	56735	5.87	ng	95
53) 2,4-Dinitrophenol	13.10	184	869	6.86	ng	# 4
55) 4-Nitrophenol	13.04	139	4293	2.79	ng	84
65) n-Nitrosodiphenylamine	13.72	169	22013	2.28	ng	# 63
70) Phenanthrene	15.05	178	508077	33.21	ng	97
71) Anthracene	15.05	178	508077	32.52	ng	98
74) Fluoranthene	16.79	202	116415	7.42	ng	98
76) Benzidine	17.02	184	971	6.73	ng	# 1
77) Pyrene	17.09	202	453415	27.64	ng	98
80) Benzo(a)anthracene	18.67	228	41836	3.28	ng	# 93
82) Chrysene	18.72	228	91345	7.40	ng	# 93

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

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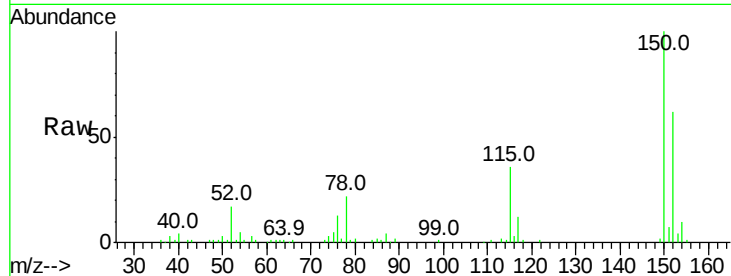


#1

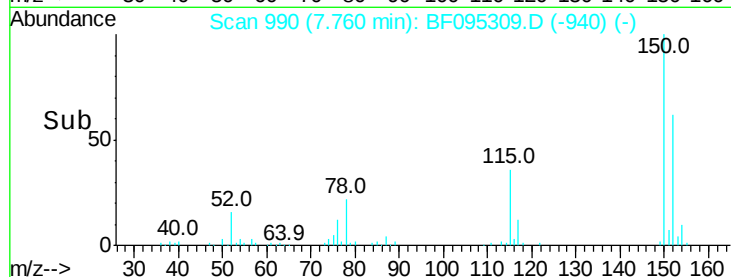
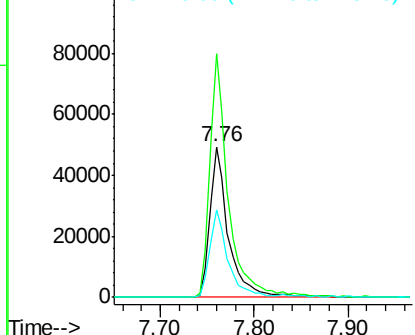
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69543
Ion Ratio Lower Upper
152 100
150 161.9 126.2 189.2
115 58.5 52.2 78.2



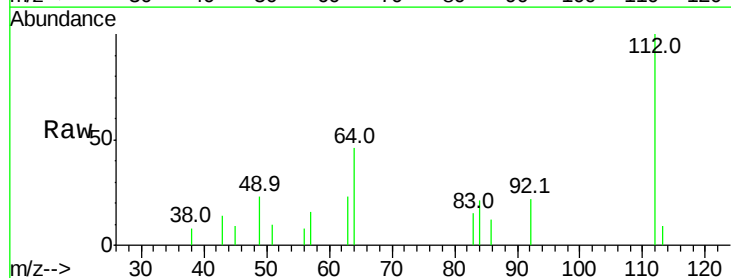
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



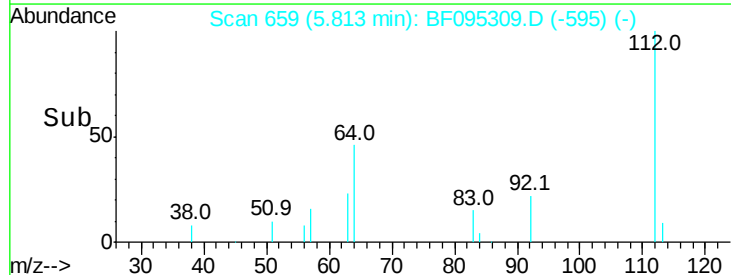
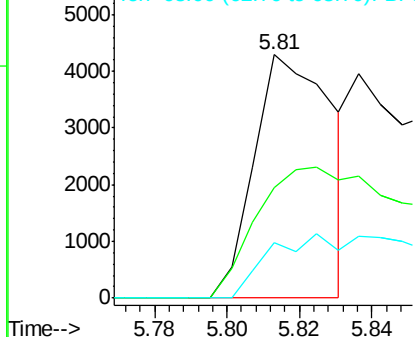
#5

2-Fluorophenol
Concen: 1.54 ng
RT: 5.81 min Scan# 659
Delta R.T. 0.08 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Tgt Ion:112 Resp: 6405
Ion Ratio Lower Upper
112 100
64 45.6 46.0 69.0#
63 22.9 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: 12.71 ng

RT: 7.36 min Scan# 922

Delta R.T. 0.05 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

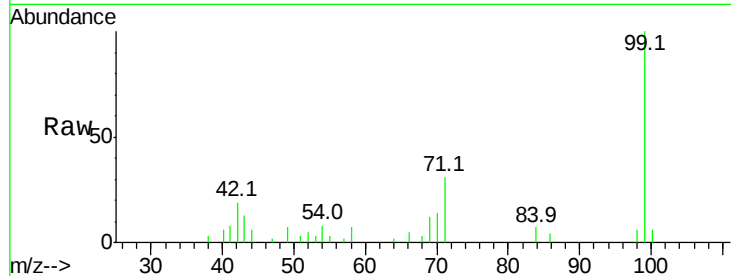
Tot Ion: 99 Resp: 63593

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

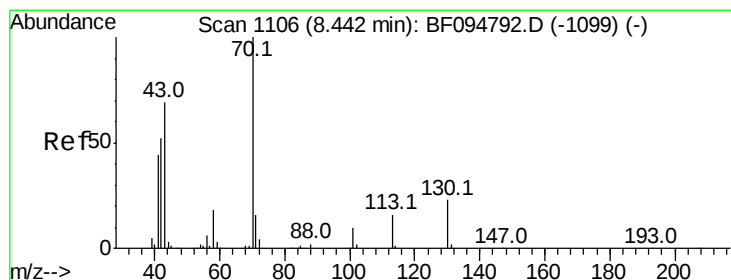
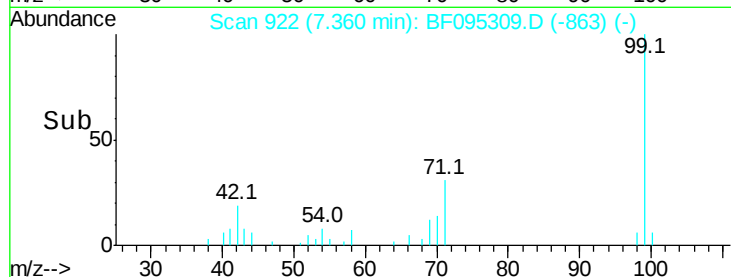
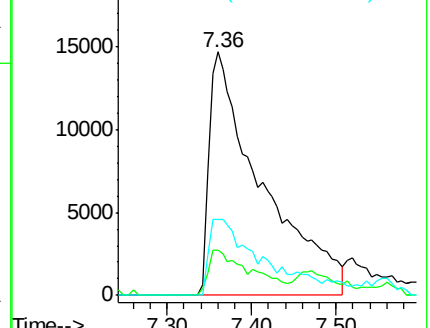
71 31.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.41 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.19 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Tgt Ion: 70 Resp: 8168

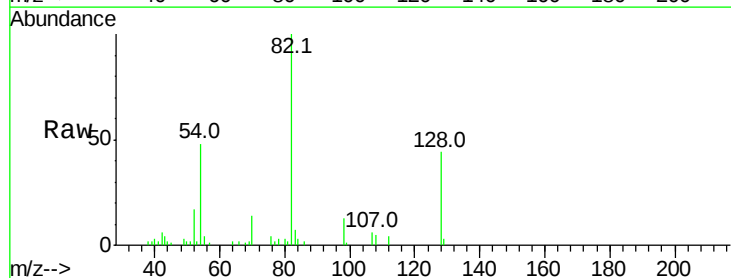
Ion Ratio Lower Upper

70 100

42 47.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

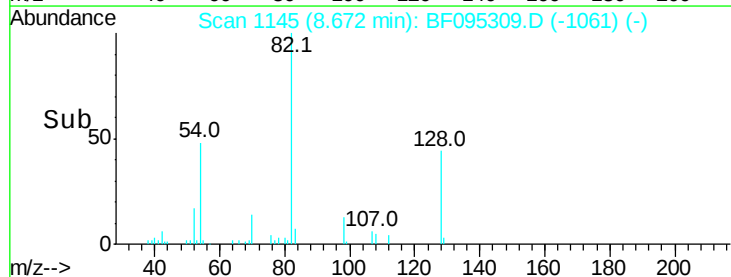
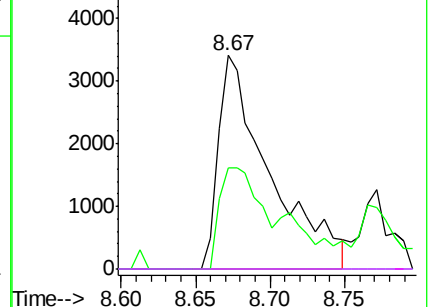


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 293262

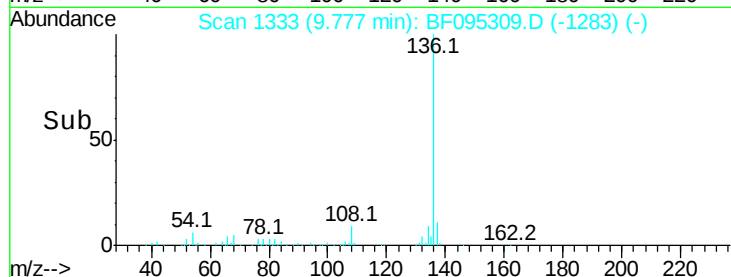
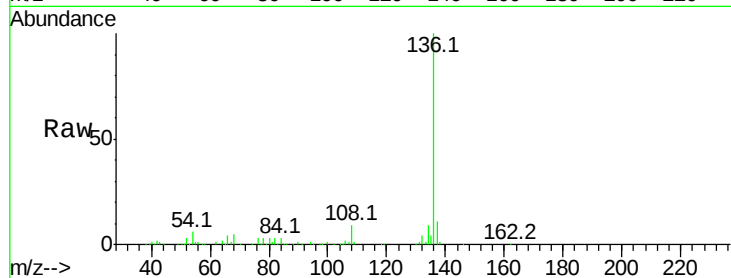
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.5 4.9 7.3

68 5.0 4.1 6.1

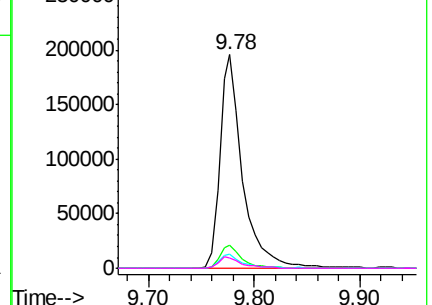


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.88 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

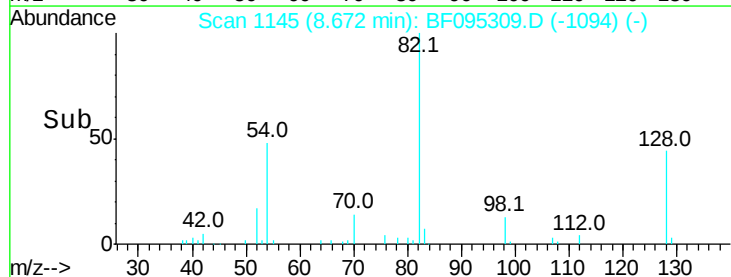
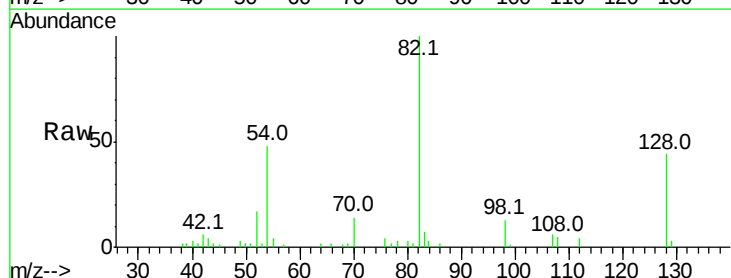
Tgt Ion: 82 Resp: 64553

Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

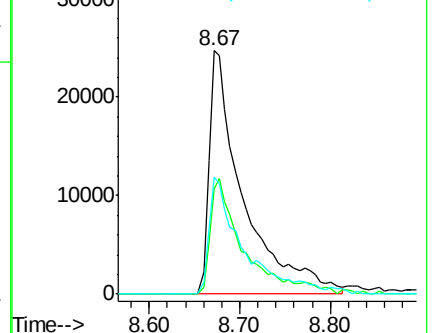
54 48.2 42.2 63.2

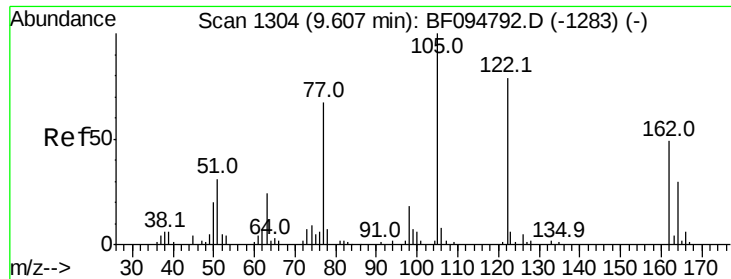


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

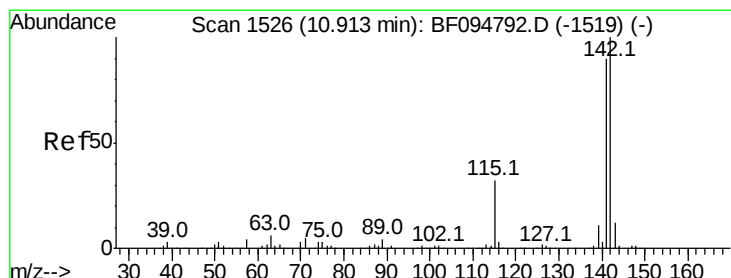
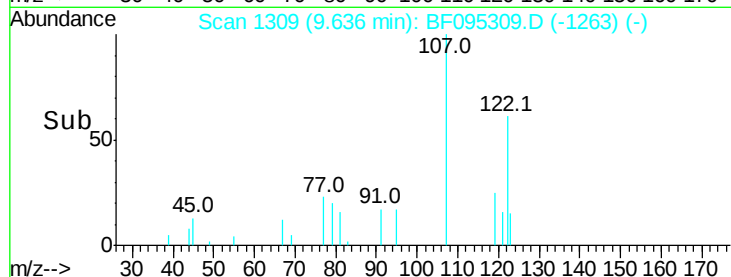
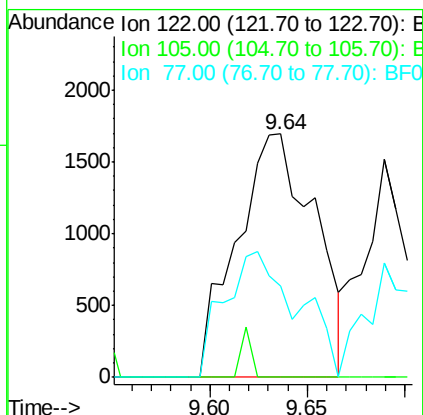
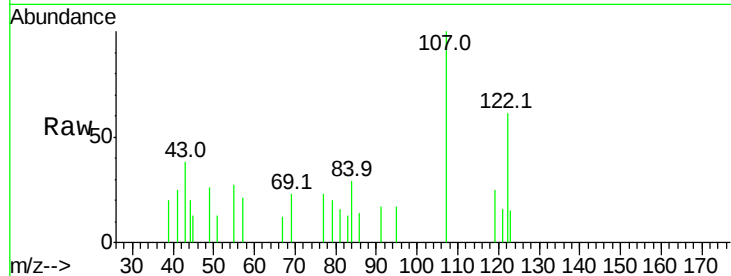




#32
Benzoic acid
Concen: 6.58 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

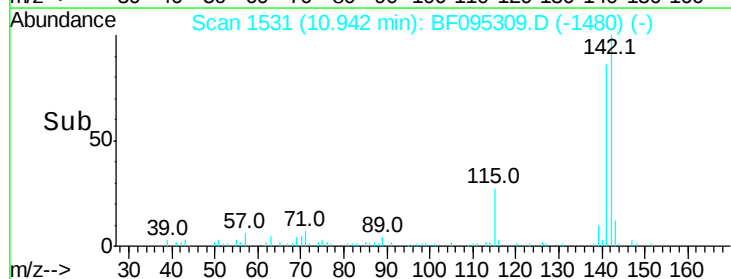
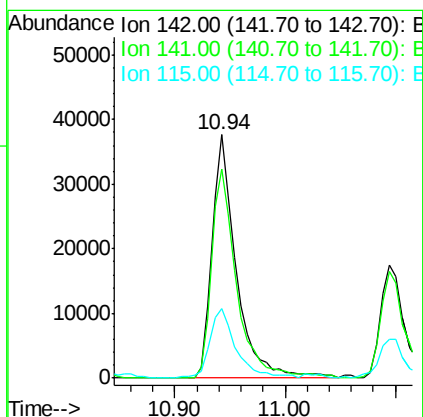
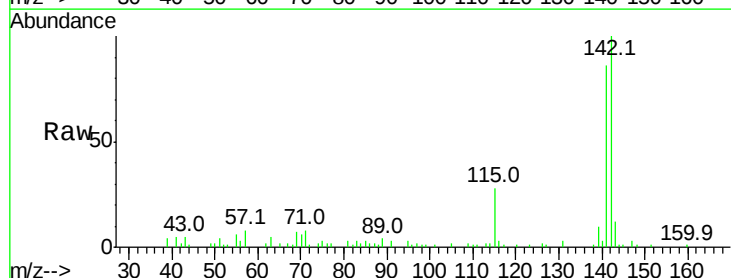
Instrument :
BNA_F
ClientSampled :

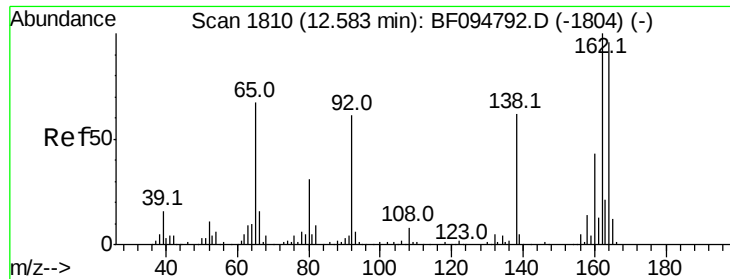
Tot Ion:122 Resp: 4692
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 37.3 73.7 113.7#



#37
2-Methylnaphthalene
Concen: 5.87 ng
RT: 10.94 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Tgt Ion:142 Resp: 56735
Ion Ratio Lower Upper
142 100
141 85.9 71.3 106.9
115 28.4 27.1 40.7

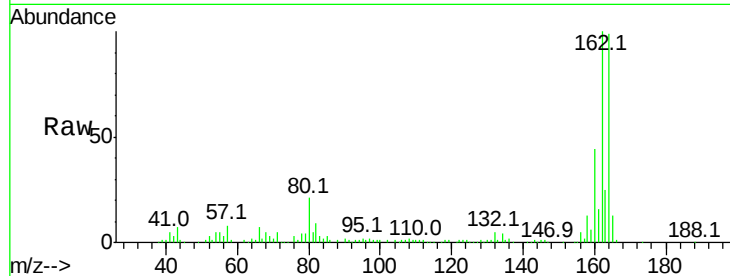




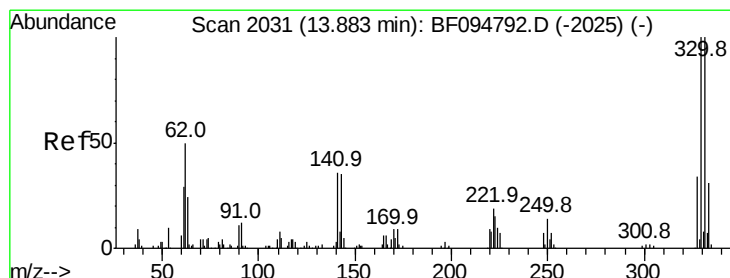
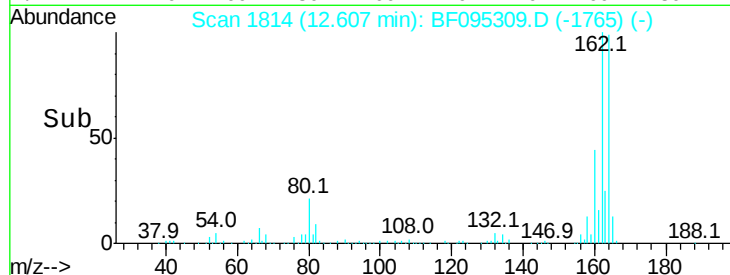
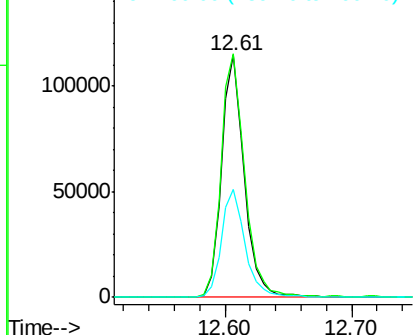
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095309.D
 Acq: 22 May 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 142339
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.6 123.8
 160 44.7 36.2 54.2

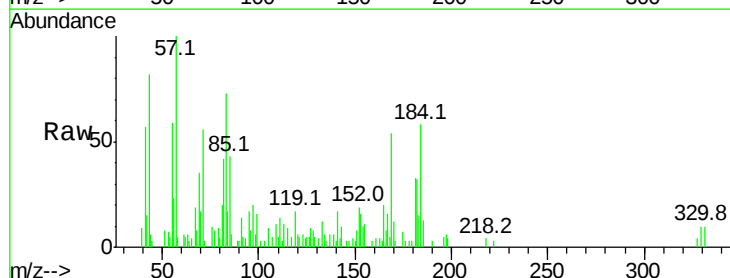


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

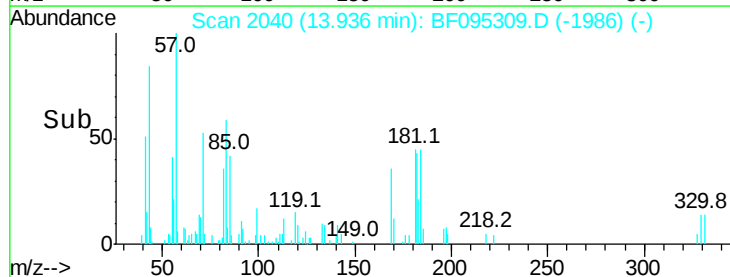
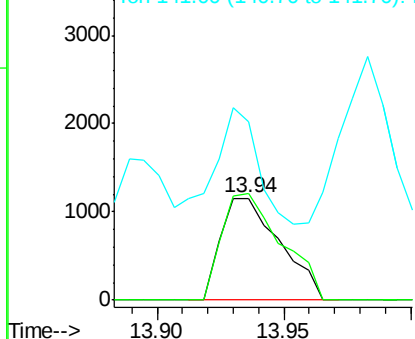


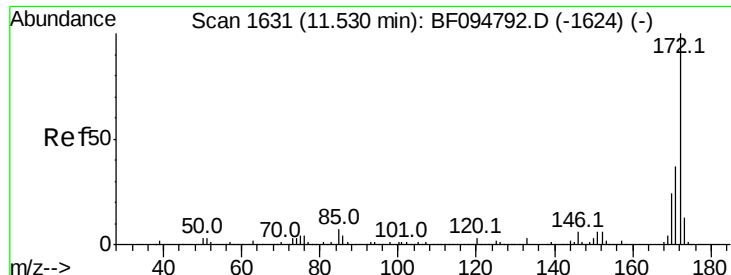
#41
 2,4,6-Tribromophenol
 Concen: 1.60 ng
 RT: 13.94 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF095309.D
 Acq: 22 May 2017 12:34

Tgt Ion:330 Resp: 1869
 Ion Ratio Lower Upper
 330 100
 332 105.8 76.6 115.0
 141 127.3 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

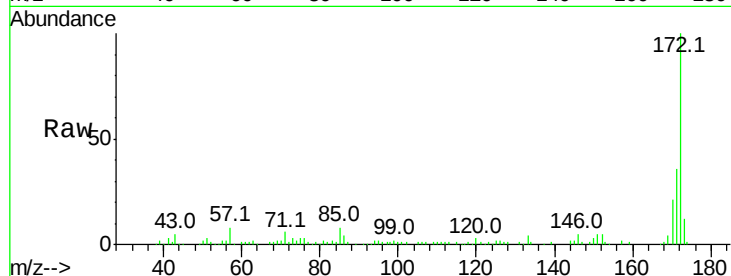




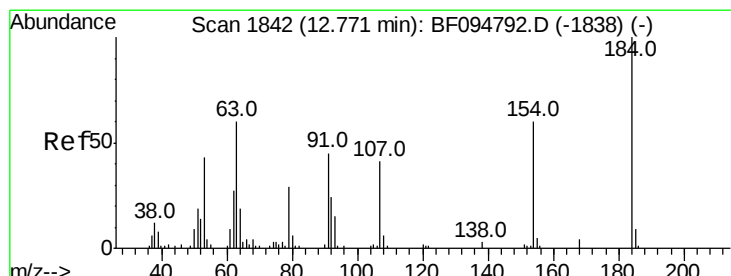
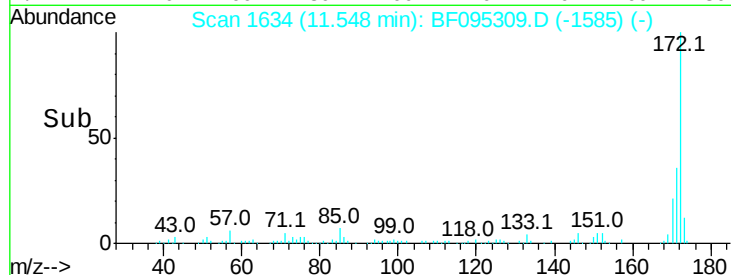
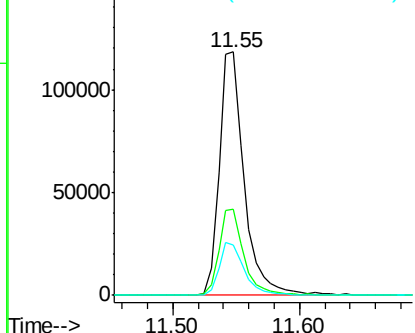
#44
2-Fluorobiphenyl
Concen: 16.38 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 161949
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 20.8 19.8 29.8

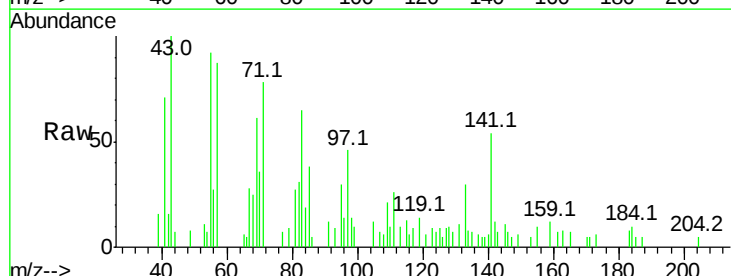


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

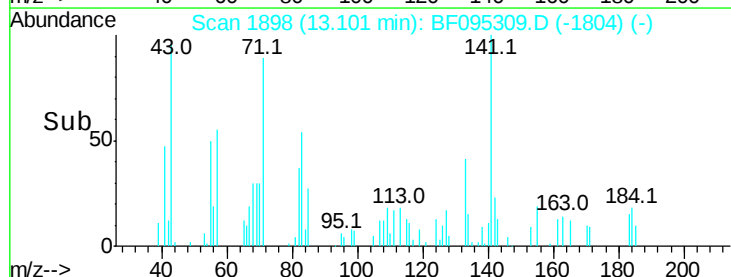
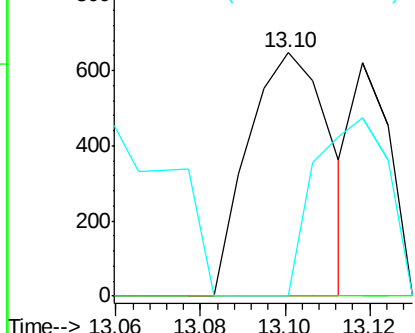


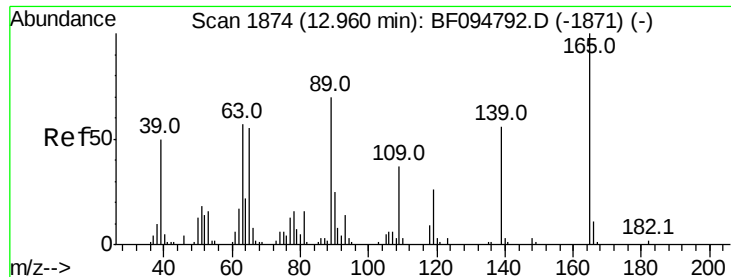
#53
2,4-Dinitrophenol
Concen: 6.86 ng
RT: 13.10 min Scan# 1898
Delta R.T. 0.25 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Tgt Ion:184 Resp: 869
Ion Ratio Lower Upper
184 100
63 0.0 62.7 94.1#
154 0.0 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: 2.79 ng

RT: 13.04 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

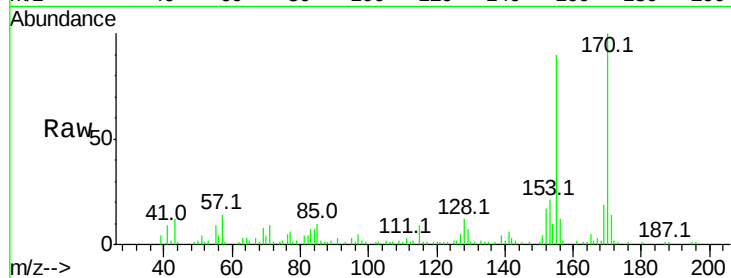
Tot Ion:139 Resp: 4293

Ion Ratio Lower Upper

139 100

109 44.8 34.1 74.1

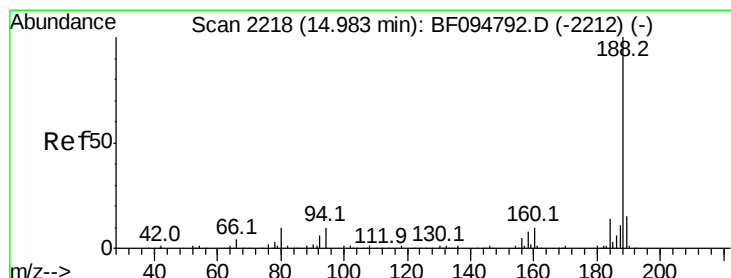
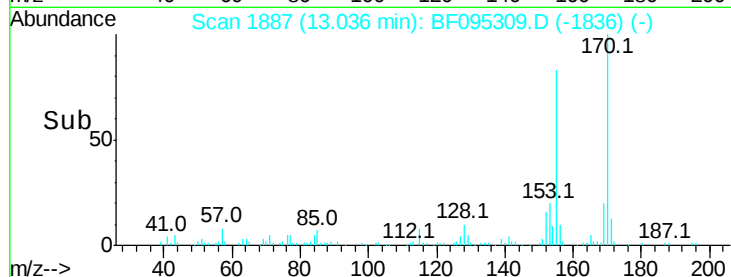
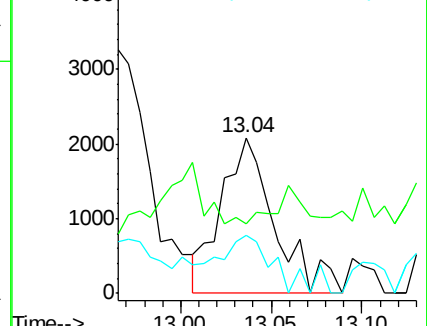
65 37.4 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

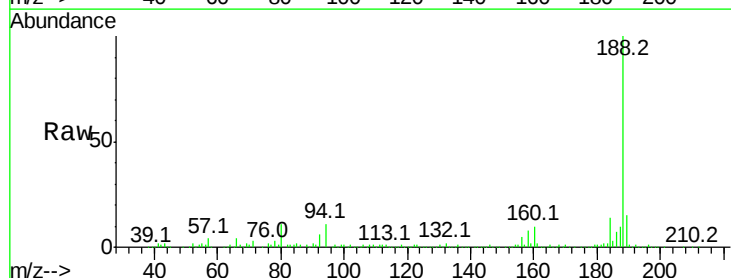
Tgt Ion:188 Resp: 266229

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

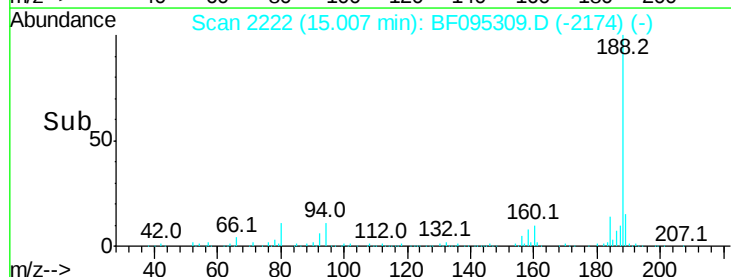
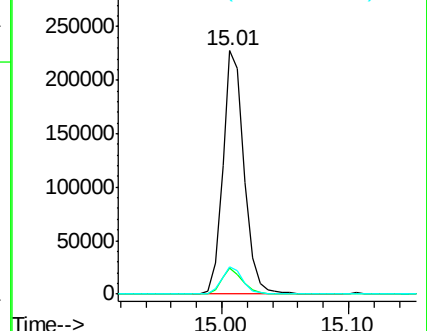
80 11.0 10.2 15.2

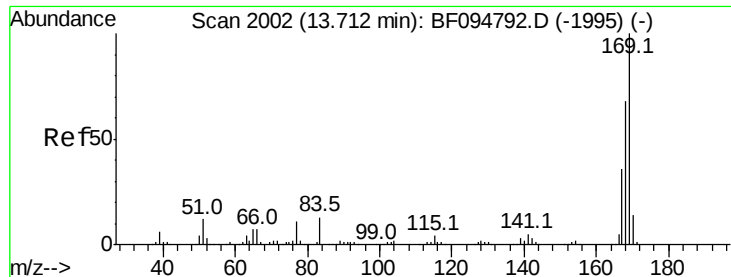


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.28 ng

RT: 13.72 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampled :

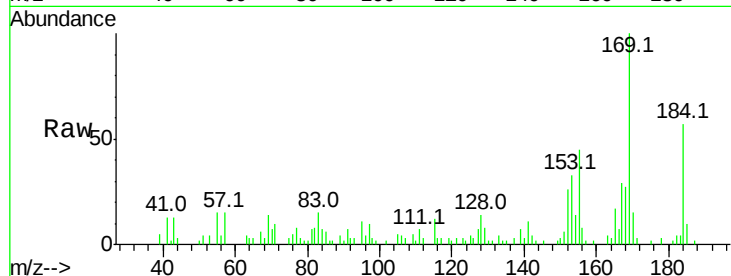
Tot Ion:169 Resp: 22013

Ion Ratio Lower Upper

169 100

168 26.9 53.2 79.8#

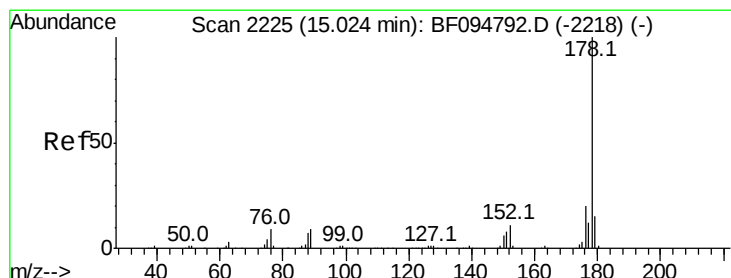
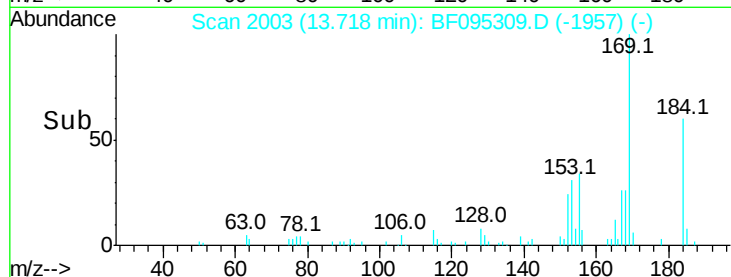
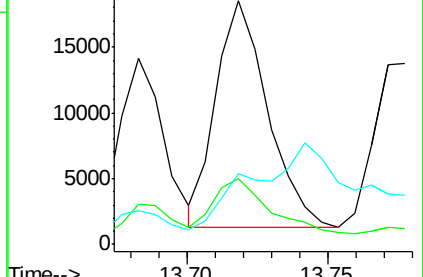
167 29.0 29.5 44.3#



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



#70

Phenanthrene

Concen: 33.21 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

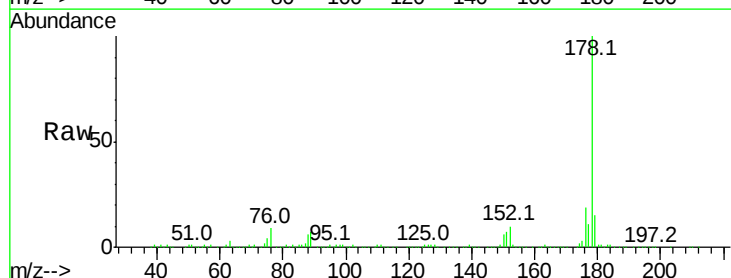
Tgt Ion:178 Resp: 508077

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

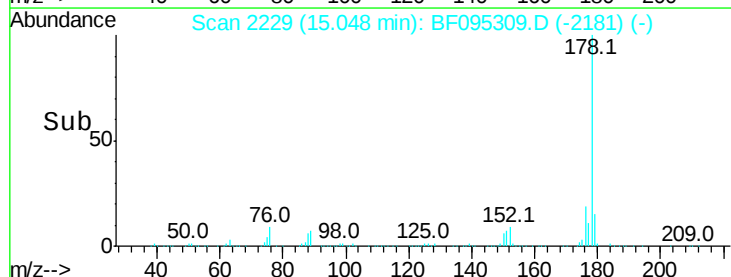
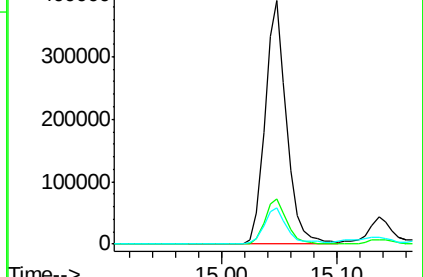
179 14.9 12.6 19.0

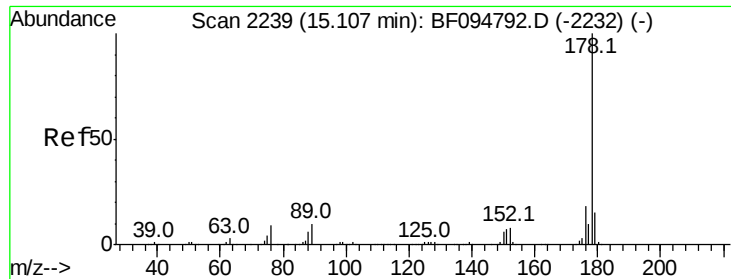


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

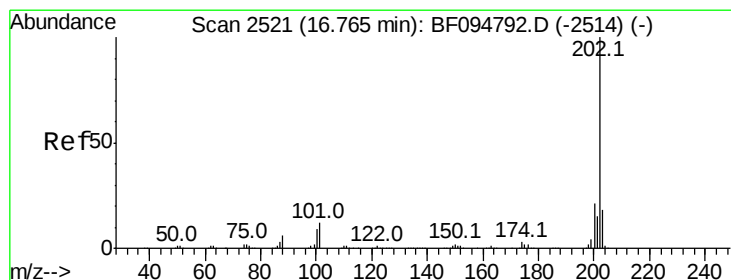
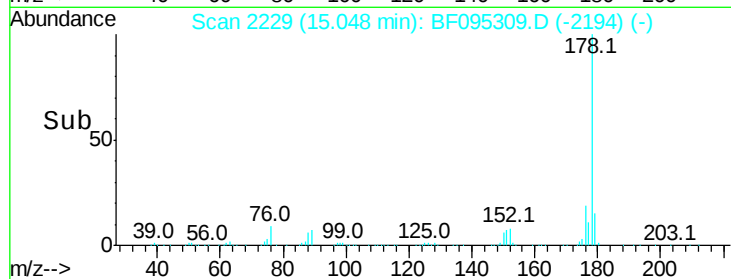
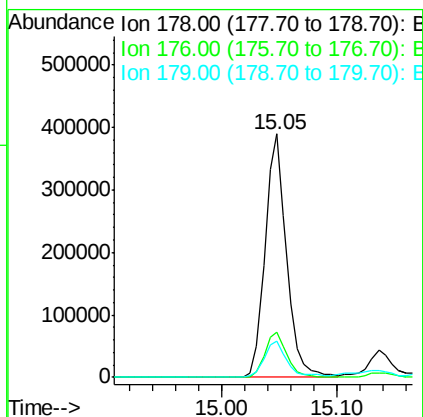
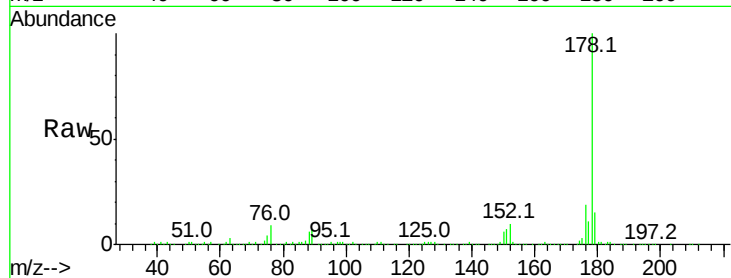




#71
 Anthracene
 Concen: 32.52 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.09 min
 Lab File: BF095309.D
 Acq: 22 May 2017 12:34

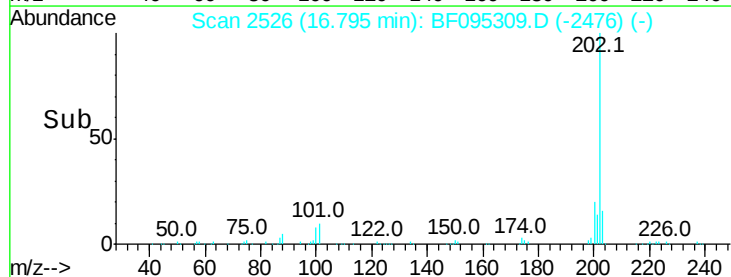
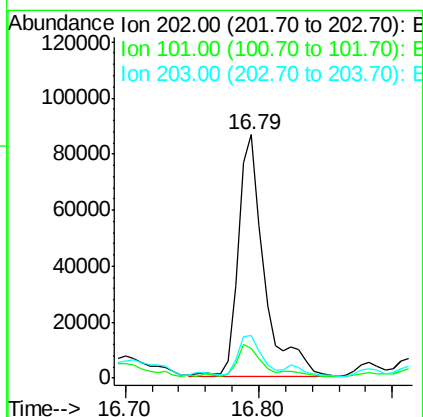
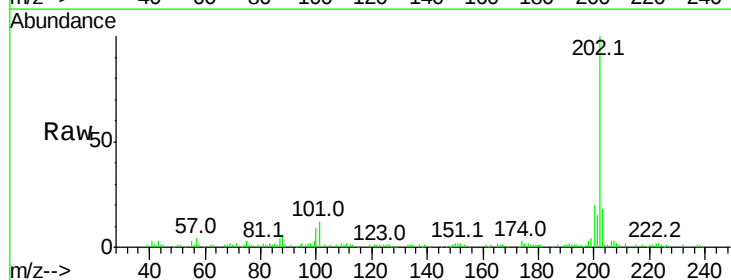
Instrument :
 BNA_F
 ClientSampled :

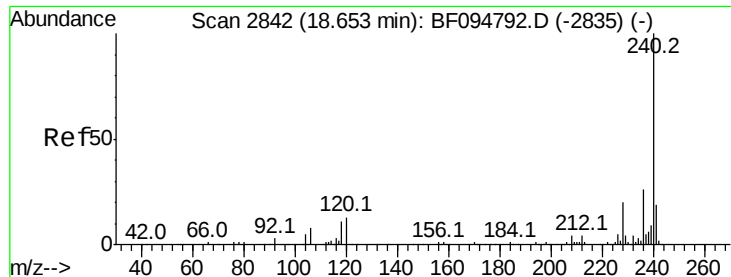
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.9	12.7	19.1



#74
 Fluoranthene
 Concen: 7.42 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095309.D
 Acq: 22 May 2017 12:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

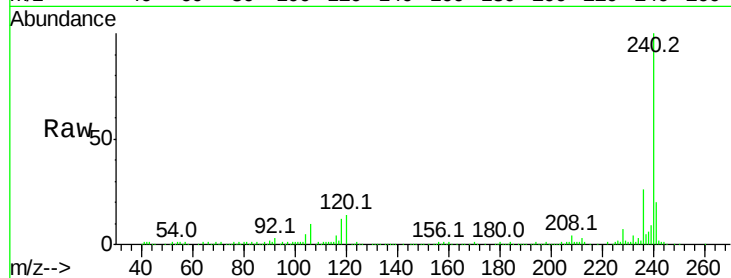
Tot Ion:240 Resp: 219369

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

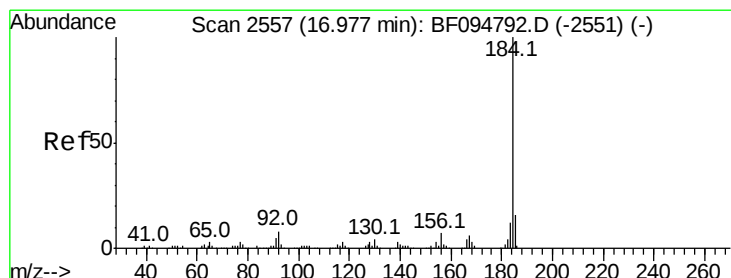
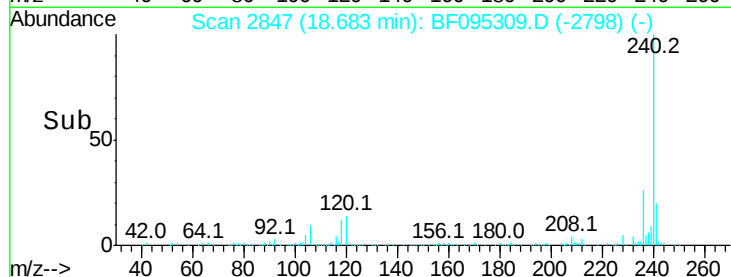
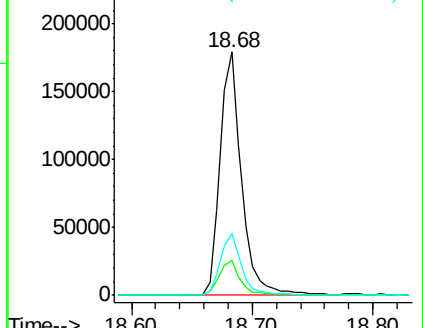
236 25.6 20.5 30.7



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: 6.73 ng

RT: 17.02 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

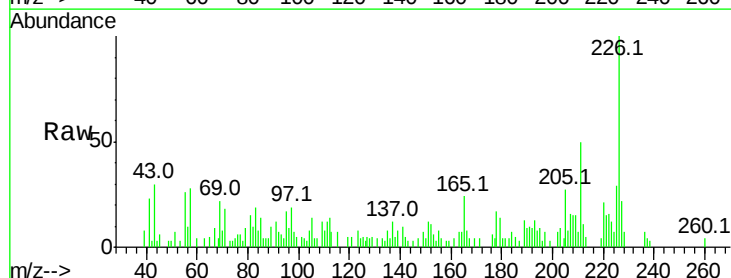
Tgt Ion:184 Resp: 971

Ion Ratio Lower Upper

184 100

185 72.1 15.5 23.3#

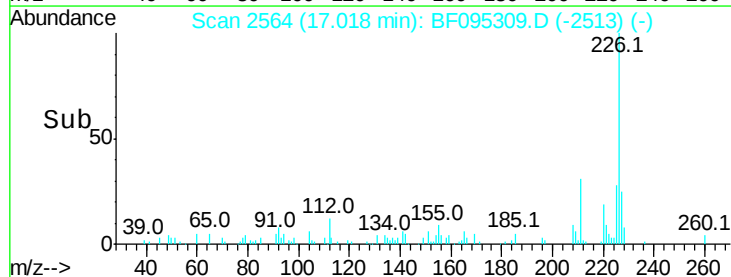
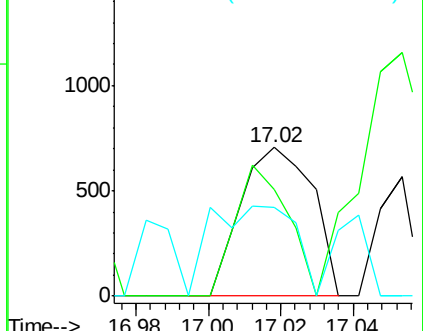
183 59.9 9.8 14.6#

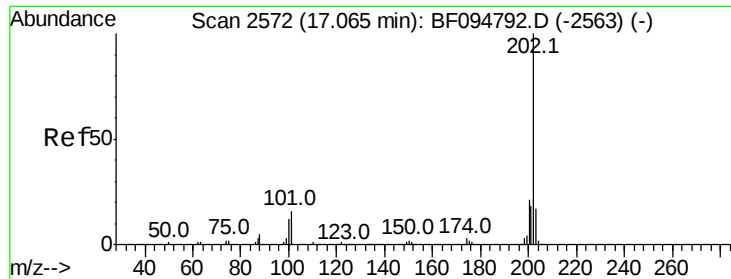


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 27.64 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

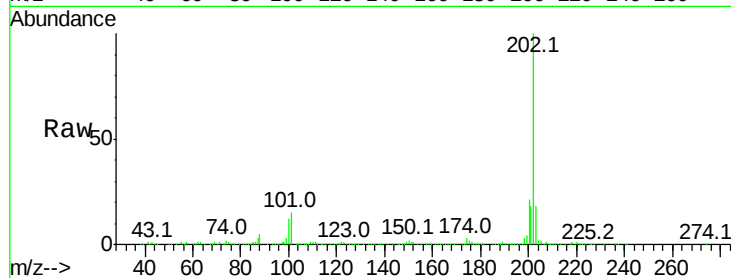
Tot Ion:202 Resp: 453415

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

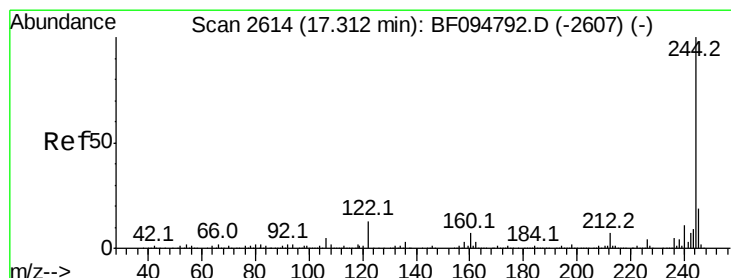
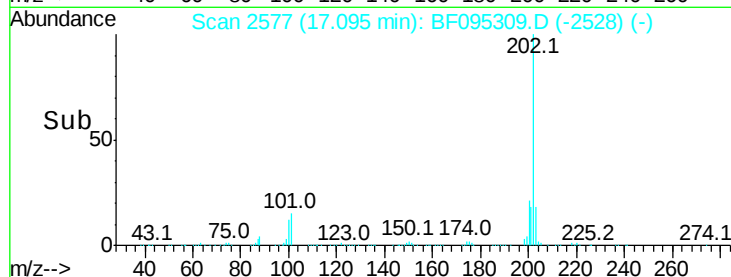
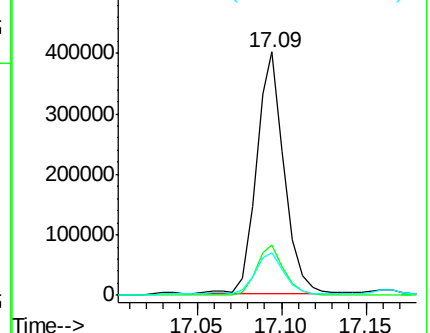
203 17.7 14.4 21.6



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: 15.73 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

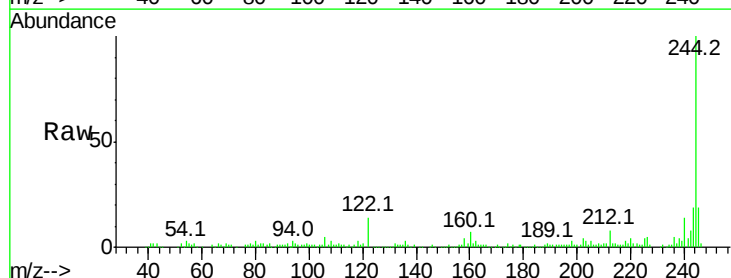
Tgt Ion:244 Resp: 156684

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

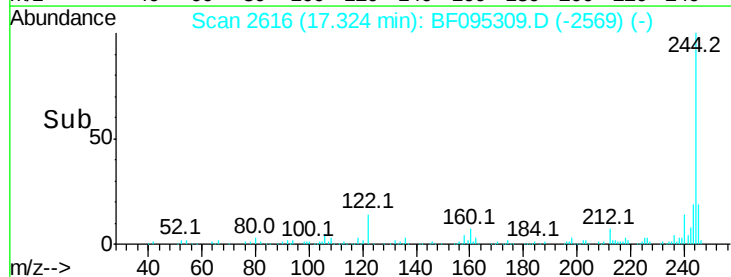
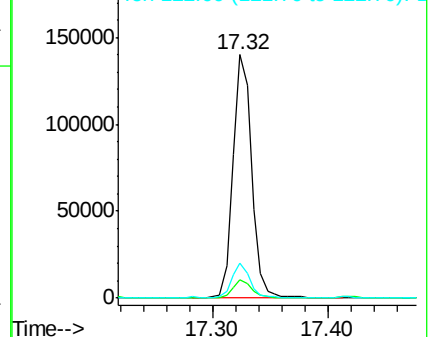
122 14.2 10.3 15.5

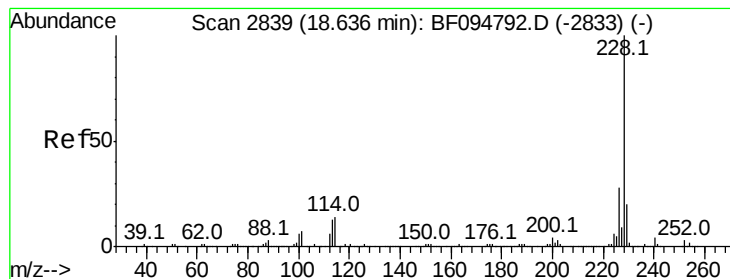


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.28 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

Instrument :

BNA_F

ClientSampleId :

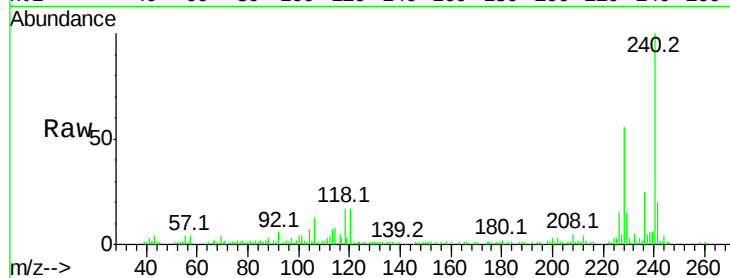
Tot Ion:228 Resp: 41836

Ion Ratio Lower Upper

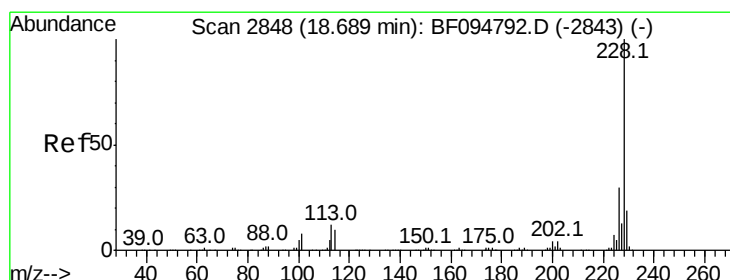
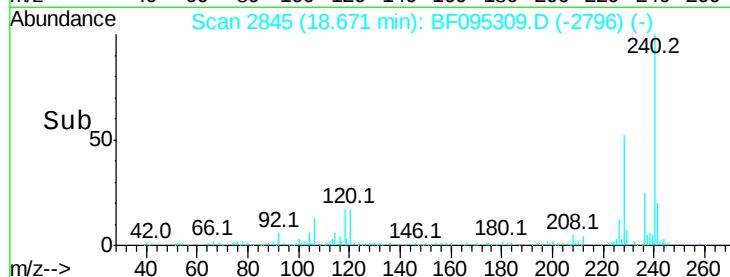
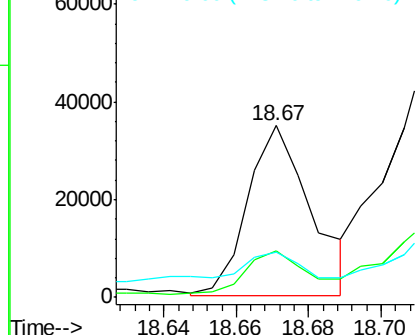
228 100

226 27.2 22.6 33.8

229 26.5 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: 7.40 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095309.D

Acq: 22 May 2017 12:34

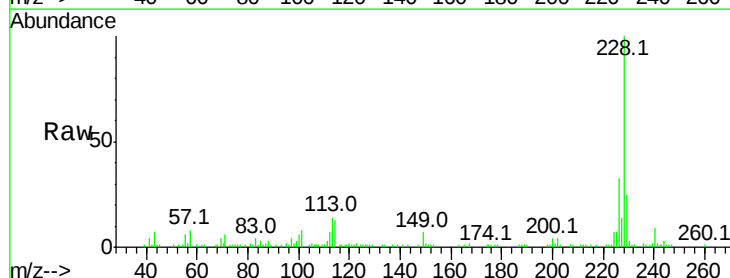
Tgt Ion:228 Resp: 91345

Ion Ratio Lower Upper

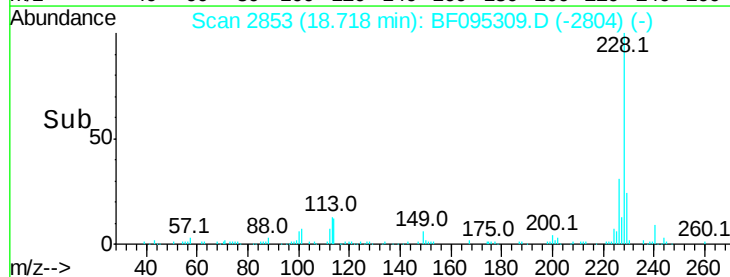
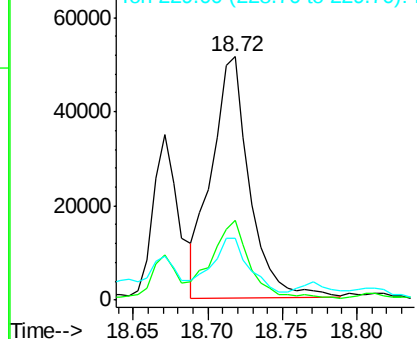
228 100

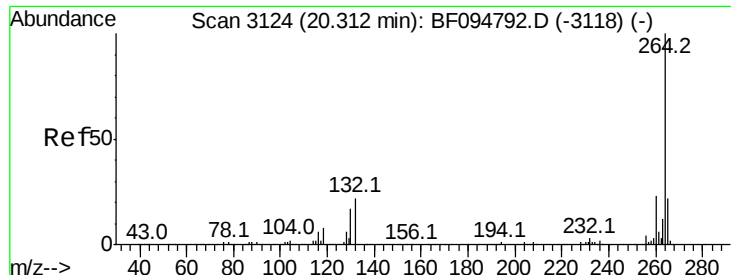
226 32.7 24.9 37.3

229 25.4 15.8 23.6#



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

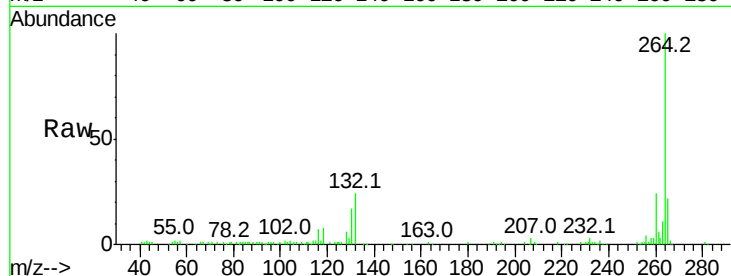




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095309.D
Acq: 22 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :

Tot 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

