

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095186.D
 Acq On : 17 May 2017 9:51
 Operator : SJ/MA
 Sample : I3153-02DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6DL

Quant Time: May 17 15:24:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

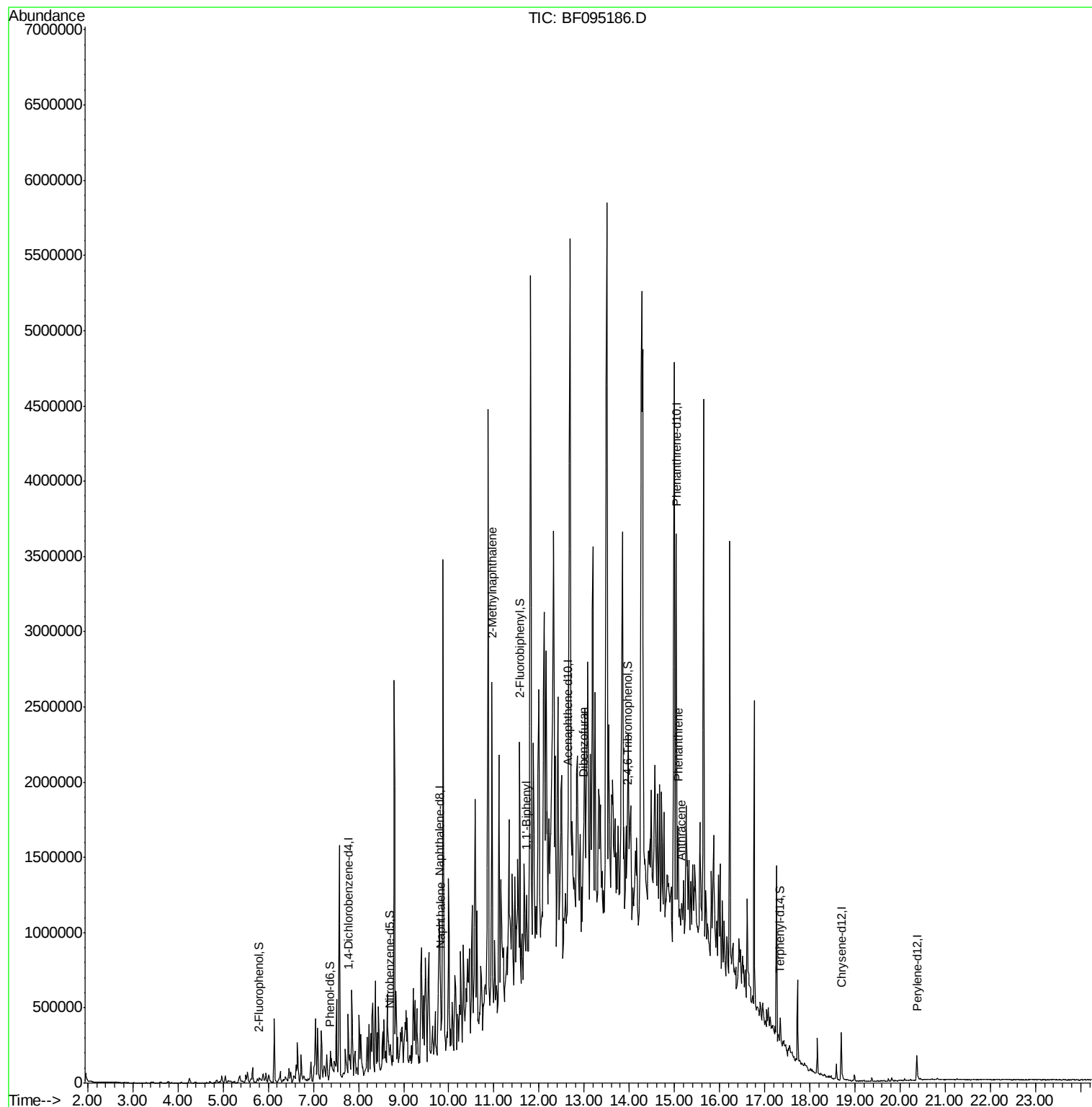
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	80604	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	306415	20.00	ng	0.04
38) Acenaphthene-d10	12.64	164	105388	20.00	ng	0.05
63) Phenanthrene-d10	15.05	188	153685	20.00	ng	0.06
75) Chrysene-d12	18.69	240	160521	20.00	ng	0.04
86) Perylene-d12	20.37	264	96762	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	43655	9.03	ng	0.12
7) Phenol-d6	7.35	99	58994	10.17	ng	0.08
23) Nitrobenzene-d5	8.68	82	36590	7.53	ng	0.05
41) 2,4,6-Tribromophenol	13.95	330	8129	9.42	ng	0.07
44) 2-Fluorobiphenyl	11.57	172	80007	10.93	ng	0.04
78) Terphenyl-d14	17.34	244	58488	8.03	ng	0.03
Target Compounds						
31) Naphthalene	9.82	128	68530	4.45	ng	Qvalue # 94
37) 2-Methylnaphthalene	10.96	142	788648	78.03	ng	98
45) 1,1'-Biphenyl	11.72	154	142698	16.08	ng	98
54) Dibenzofuran	12.98	168	58836	6.34	ng	# 60
70) Phenanthrene	15.08	178	307015	34.77	ng	98
71) Anthracene	15.17	178	26386m	2.93	ng	

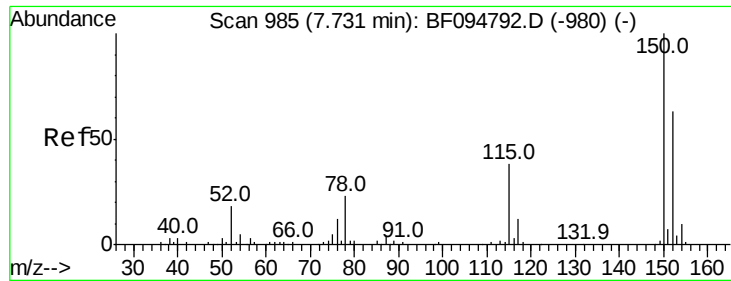
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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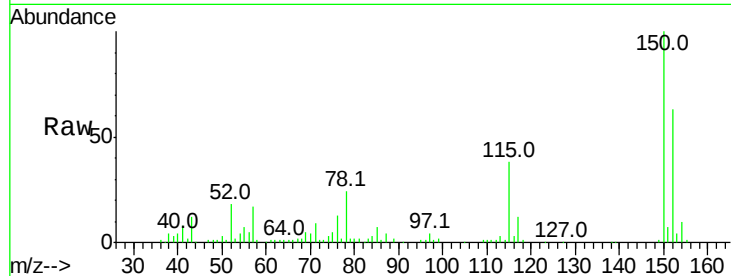


#1

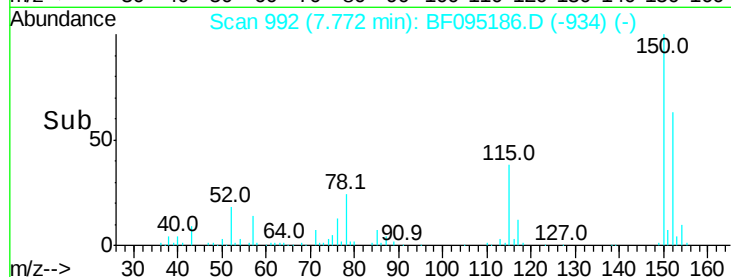
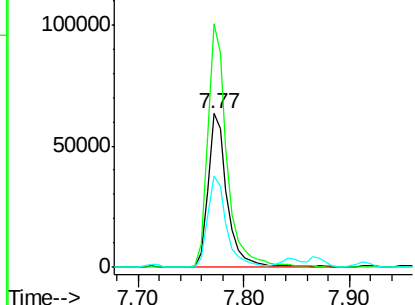
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095186.D
Acq: 17 May 2017 9:51

Instrument :
BNA_F
ClientSampleId :
DS-1-6DL

Tot Ion:152 Resp: 80604
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 59.8 52.2 78.2



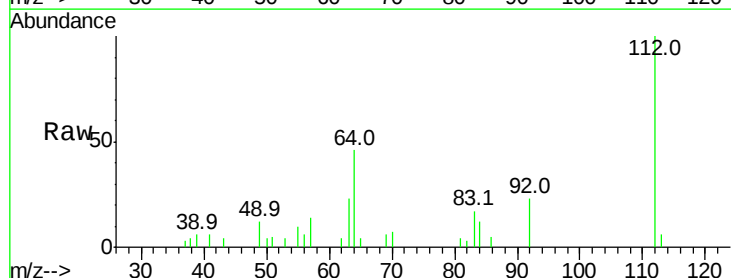
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



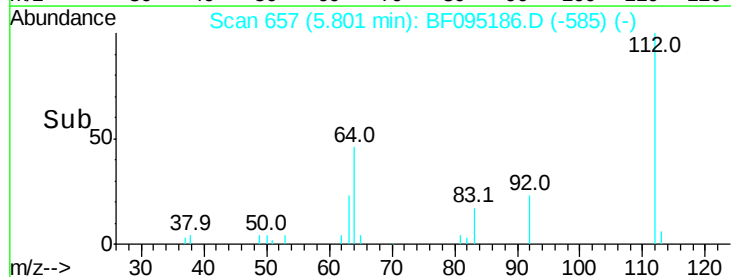
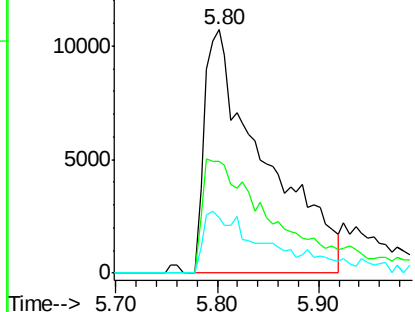
#5

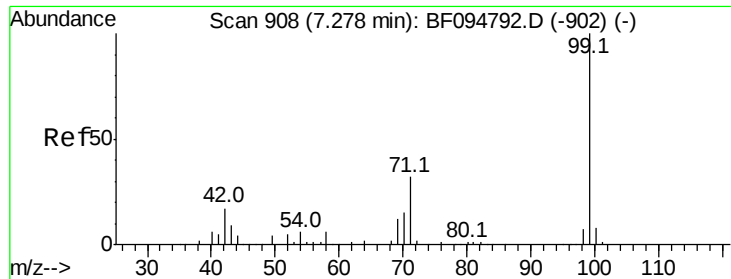
2-Fluorophenol
Concen: 9.03 ng
RT: 5.80 min Scan# 657
Delta R.T. 0.12 min
Lab File: BF095186.D
Acq: 17 May 2017 9:51

Tgt Ion:112 Resp: 43655
Ion Ratio Lower Upper
112 100
64 46.0 46.0 69.0#
63 22.7 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: 10.17 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.08 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

DS-1-6DL

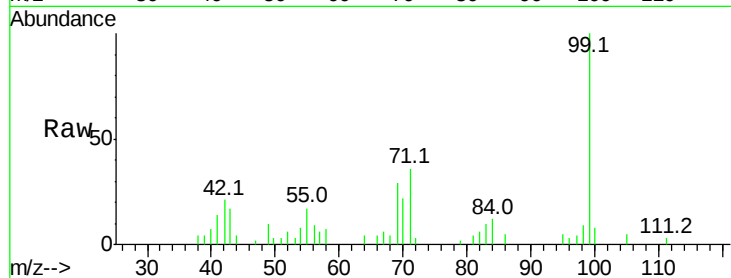
Tot Ion: 99 Resp: 58994

Ion Ratio Lower Upper

99 100

42 20.8 13.5 20.3#

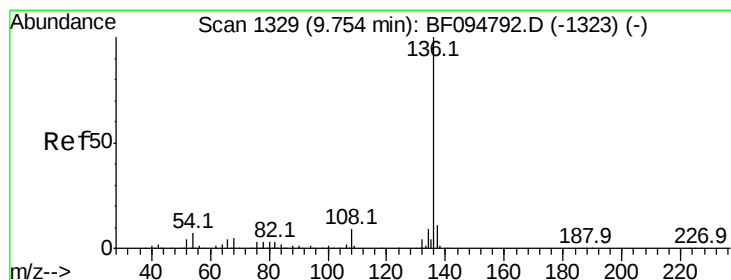
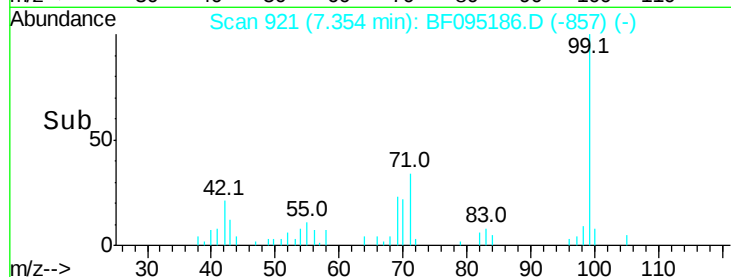
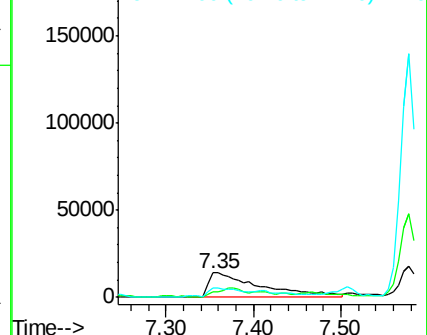
71 36.3 24.5 36.7



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: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Tgt Ion: 136 Resp: 306415

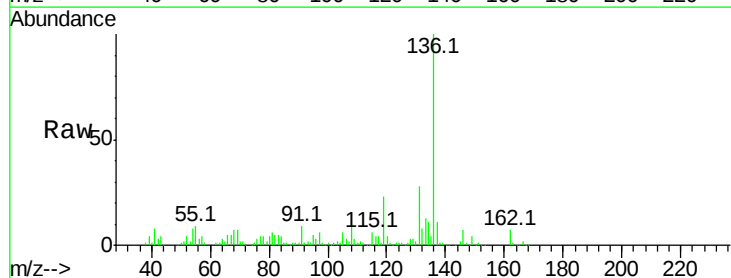
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.0 4.9 7.3#

68 6.8 4.1 6.1#

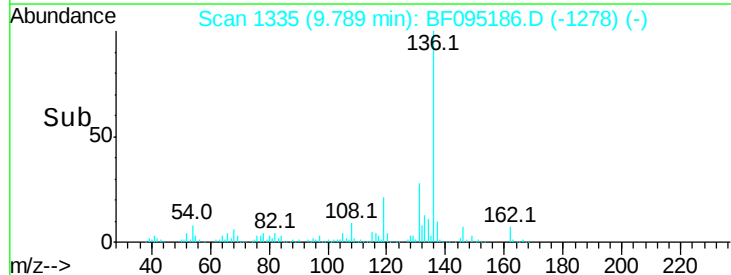
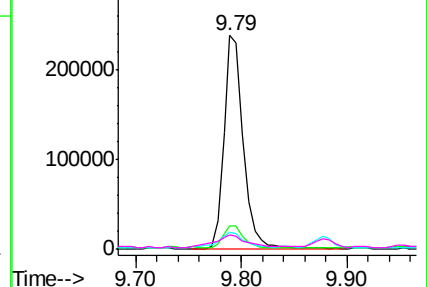


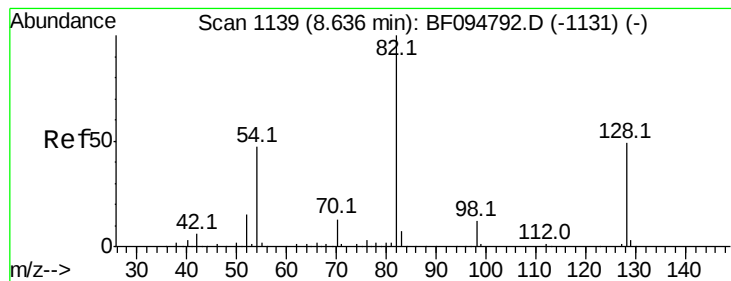
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.53 ng

RT: 8.68 min Scan# 1147

Delta R.T. 0.05 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

DS-1-6DL

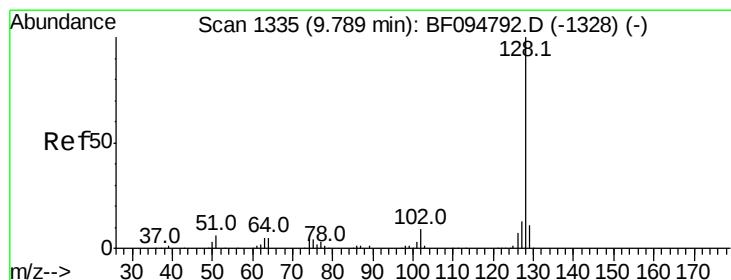
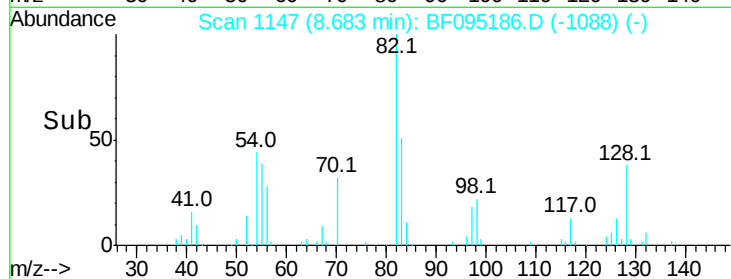
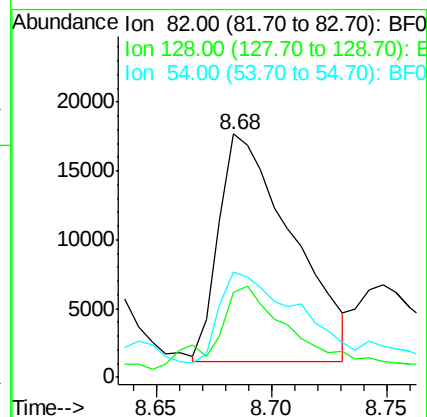
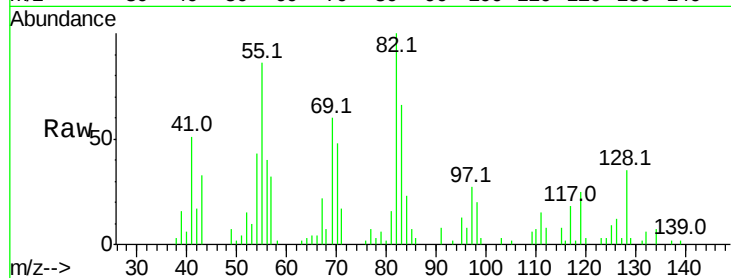
Tot Ion: 82 Resp: 36590

Ion Ratio Lower Upper

82 100

128 34.7 34.0 51.0

54 43.3 42.2 63.2



#31

Naphthalene

Concen: 4.45 ng

RT: 9.82 min Scan# 1341

Delta R.T. 0.04 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

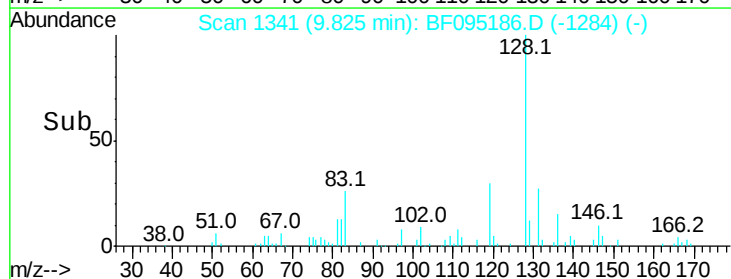
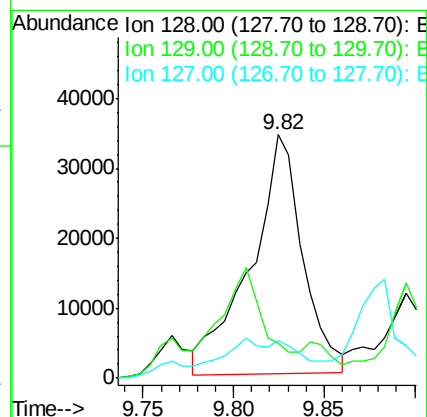
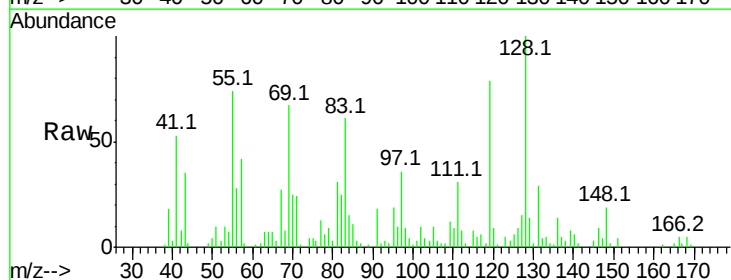
Tgt Ion:128 Resp: 68530

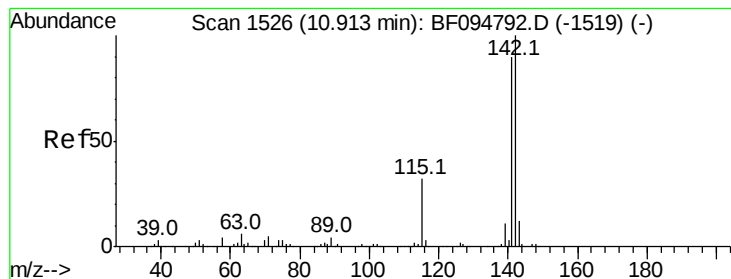
Ion Ratio Lower Upper

128 100

129 14.3 9.0 13.6#

127 15.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 78.03 ng

RT: 10.96 min Scan# 1534

Delta R.T. 0.05 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

DS-1-6DL

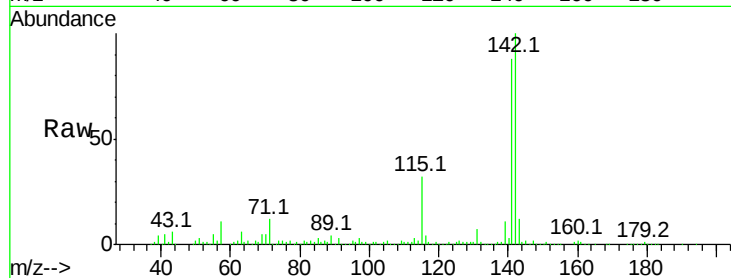
Tot Ion:142 Resp: 788648

Ion Ratio Lower Upper

142 100

141 87.8 71.3 106.9

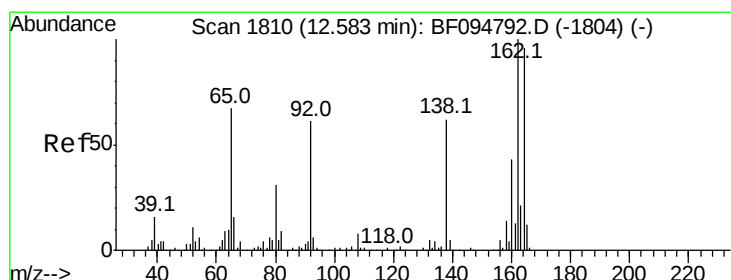
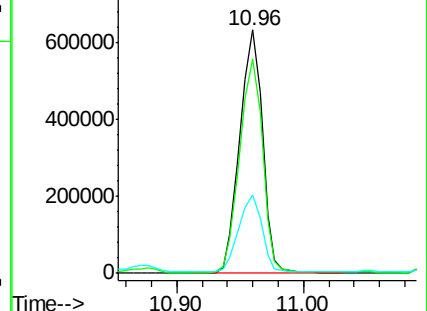
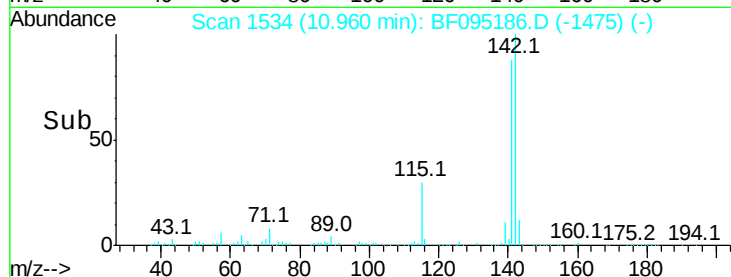
115 32.2 27.1 40.7



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: 12.64 min Scan# 1819

Delta R.T. 0.05 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

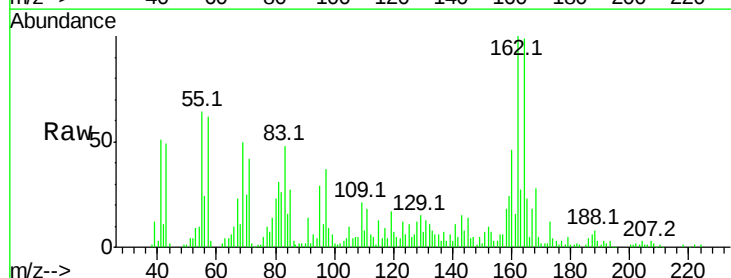
Tgt Ion:164 Resp: 105388

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

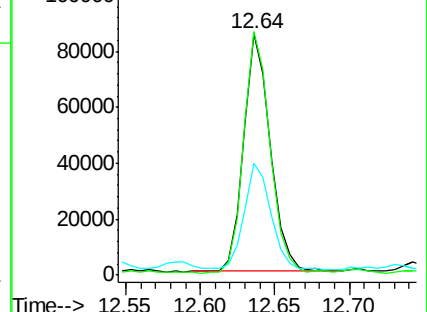
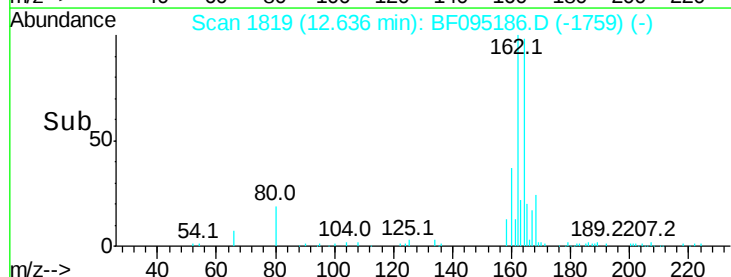
160 46.3 36.2 54.2



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

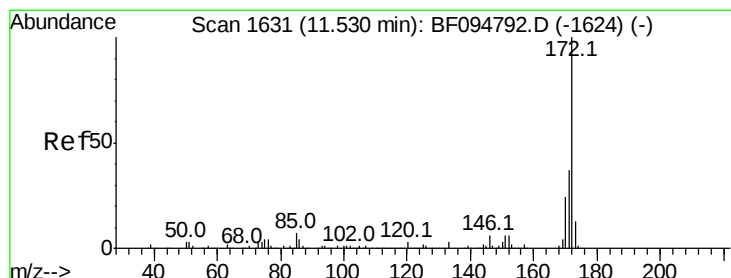
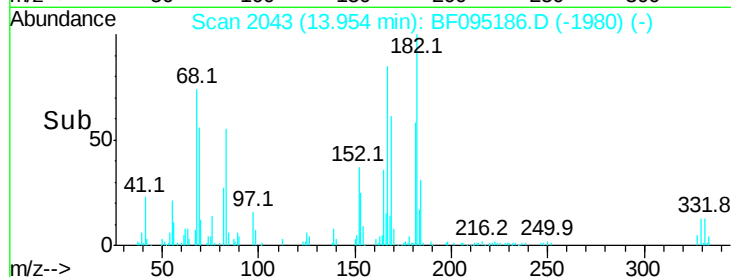
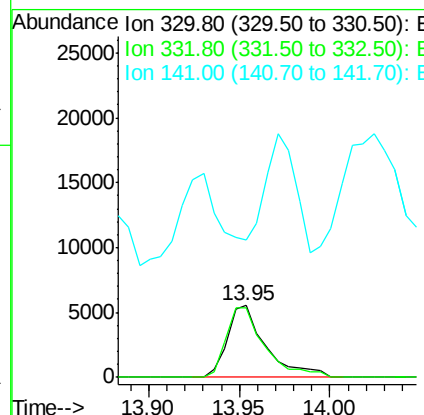
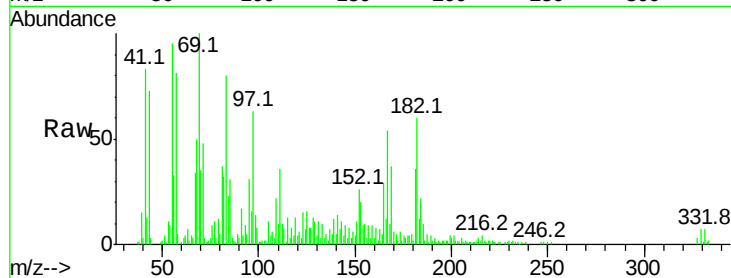




#41
 2,4,6-Tribromophenol
 Concen: 9.42 ng
 RT: 13.95 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF095186.D
 Acq: 17 May 2017 9:51

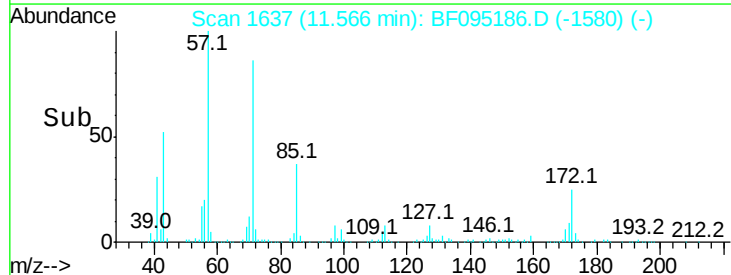
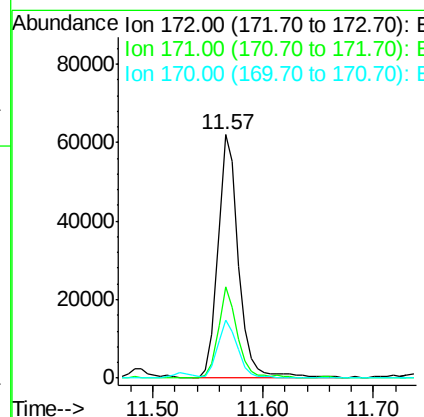
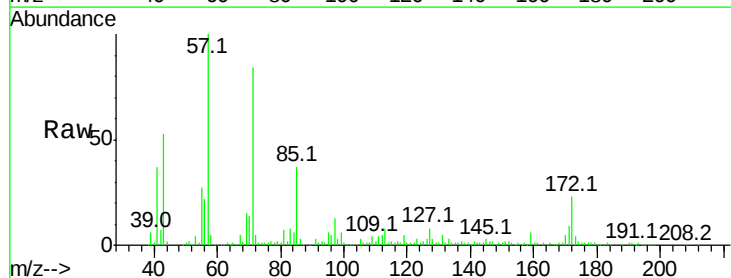
Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6DL

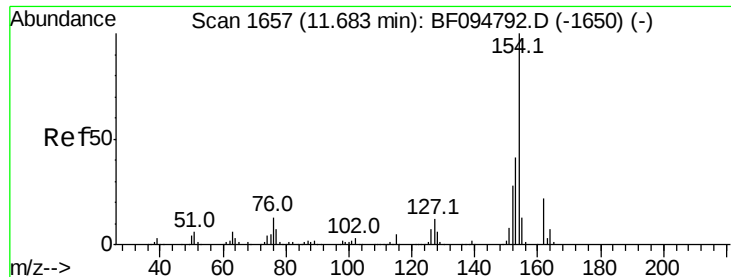
Tot Ion:330 Resp: 8129
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 152.0 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 10.93 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095186.D
 Acq: 17 May 2017 9:51

Tgt Ion:172 Resp: 80007
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.6 44.4
 170 23.6 19.8 29.8





#45

1,1'-Biphenyl

Concen: 16.08 ng

RT: 11.72 min Scan# 1664

Delta R.T. 0.04 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleID :

DS-1-6DL

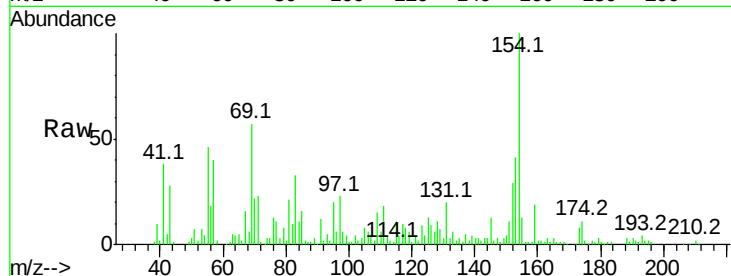
Tot Ion:154 Resp: 142698

Ion Ratio Lower Upper

154 100

153 41.2 21.2 61.2

76 12.7 0.0 29.9

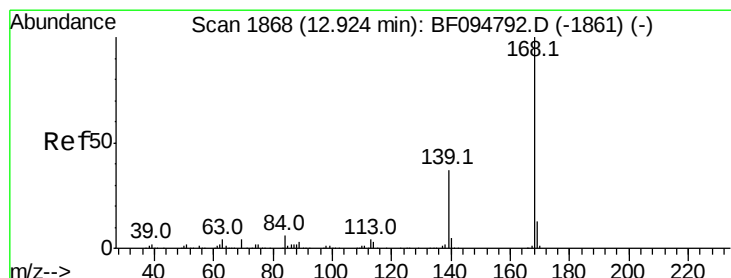
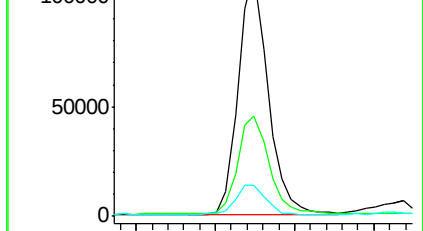
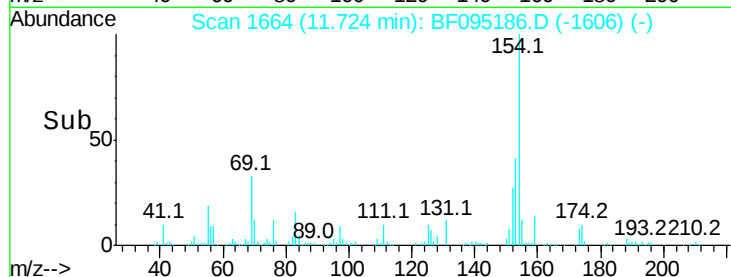


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E

Time-->



#54

Dibenzofuran

Concen: 6.34 ng

RT: 12.98 min Scan# 1878

Delta R.T. 0.06 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

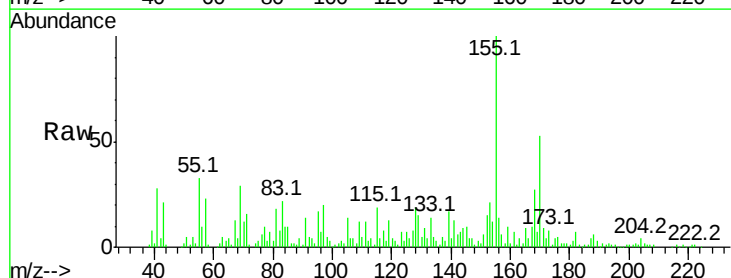
Tgt Ion:168 Resp: 58836

Ion Ratio Lower Upper

168 100

139 63.7 30.6 45.8#

169 27.8 10.8 16.2#

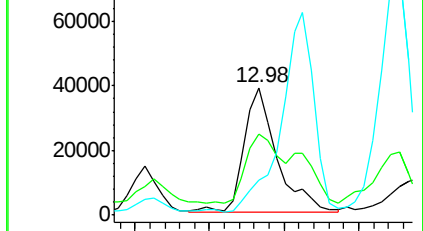
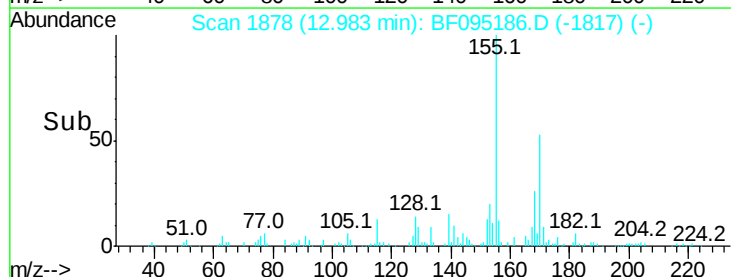


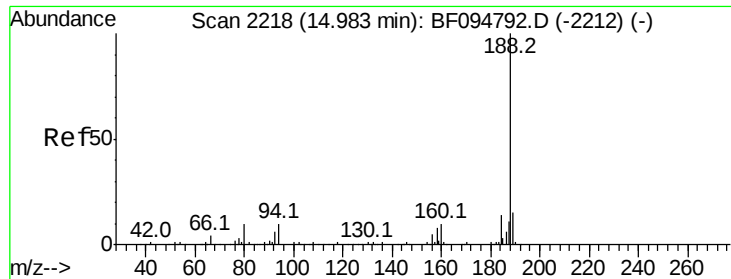
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->

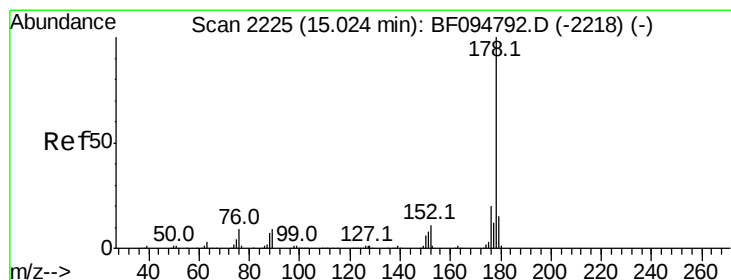
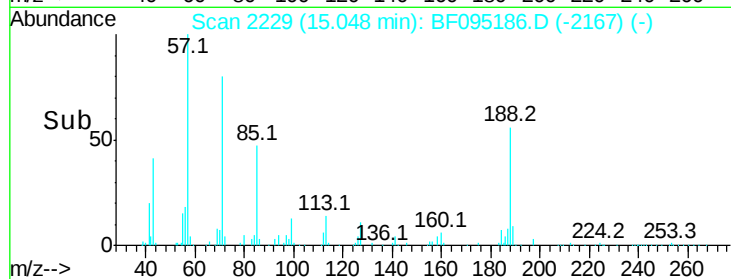
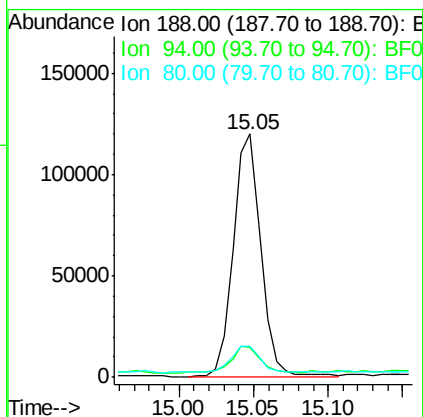
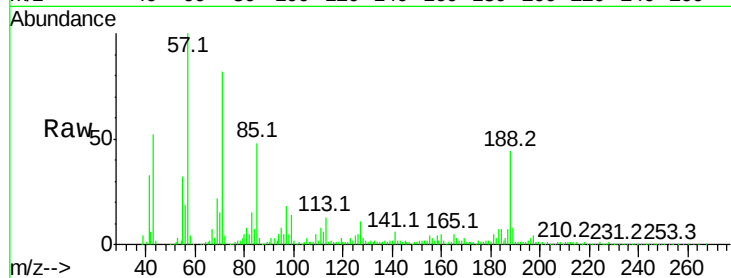




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.05 min Scan# 2229
Delta R.T. 0.06 min
Lab File: BF095186.D
Acq: 17 May 2017 9:51

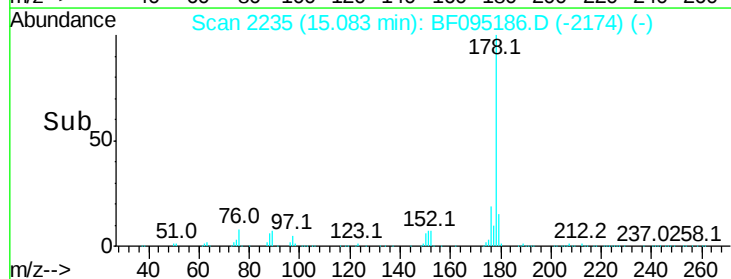
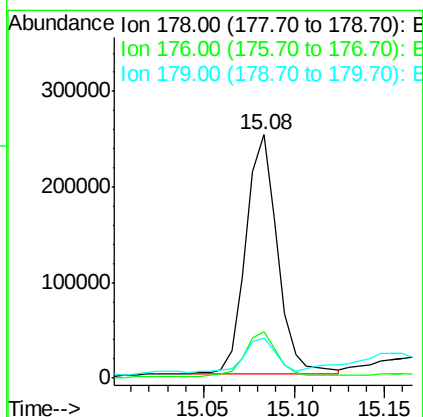
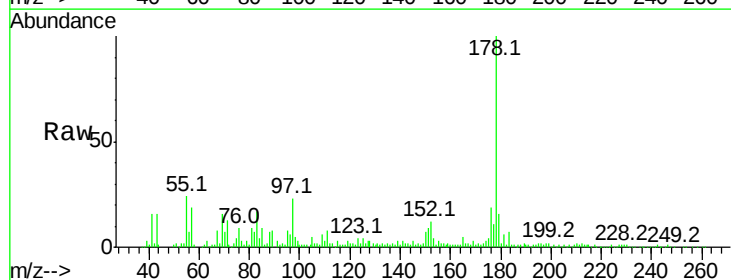
Instrument :
BNA_F
ClientSampleId :
DS-1-6DL

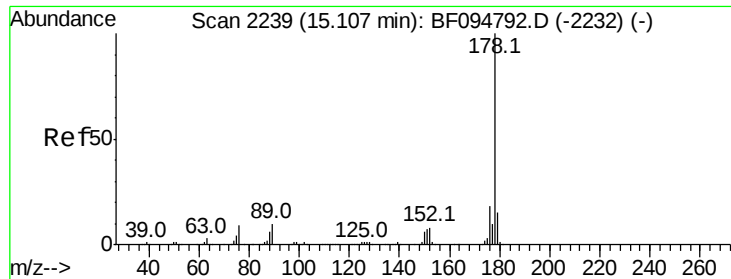
Tot Ion:188 Resp: 153685
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.5 10.2 15.2



#70
Phenanthrene
Concen: 34.77 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.06 min
Lab File: BF095186.D
Acq: 17 May 2017 9:51

Tgt Ion:178 Resp: 307015
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 16.4 12.6 19.0





#71

Anthracene

Concen: 2.93 ng/mL

RT: 15.17 min Scan# 2249

Delta R.T. 0.06 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

DS-1-6DL

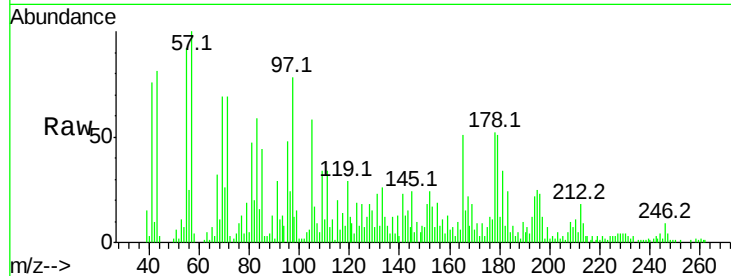
Tot Ion:178 Resp: 26386

Ion Ratio Lower Upper

178 100

176 23.5 15.8 23.8

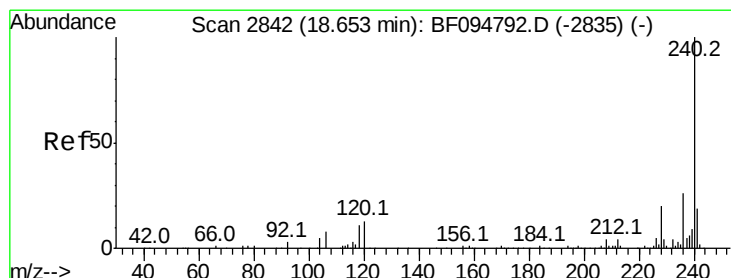
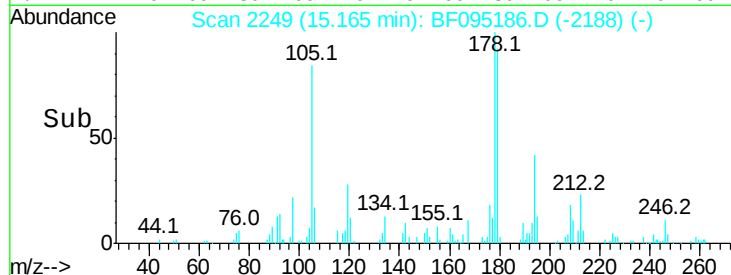
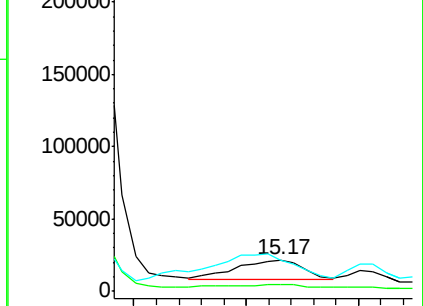
179 98.4 12.7 19.1#



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



#75

Chrysene-d12

Concen: 20.00 ng/mL

RT: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

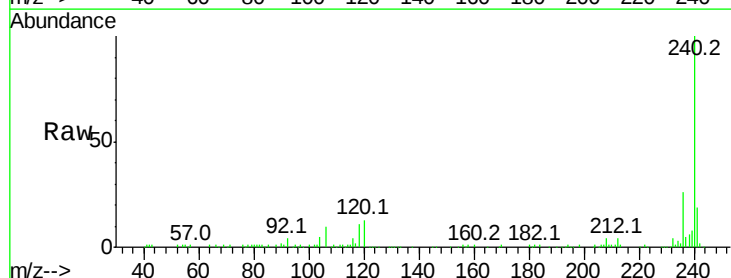
Tgt Ion:240 Resp: 160521

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

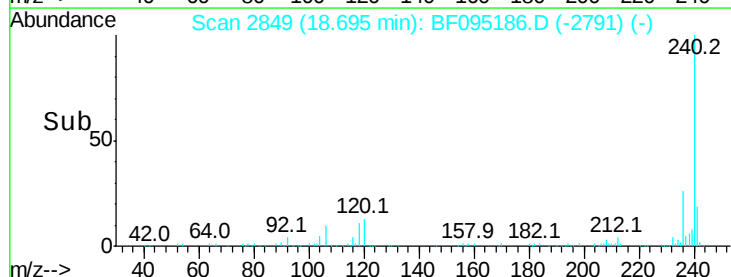
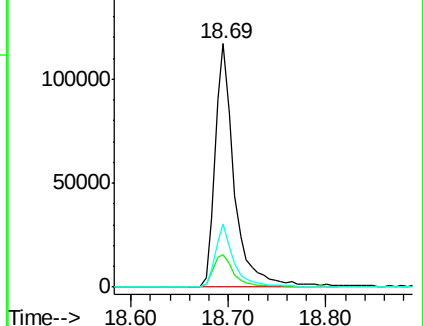
236 25.7 20.5 30.7

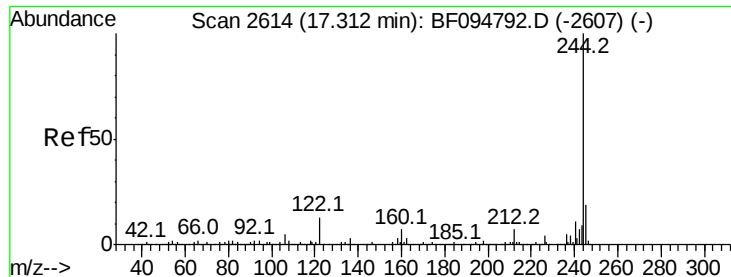


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 8.03 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

DS-1-6DL

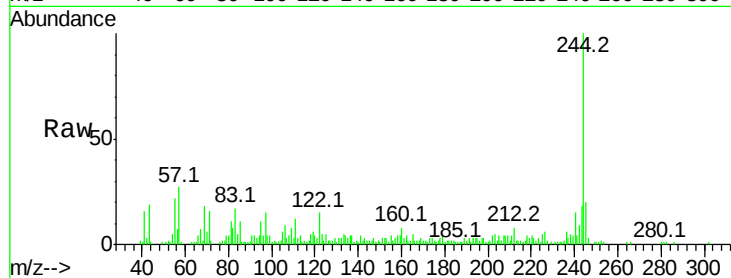
Tot Ion:244 Resp: 58488

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

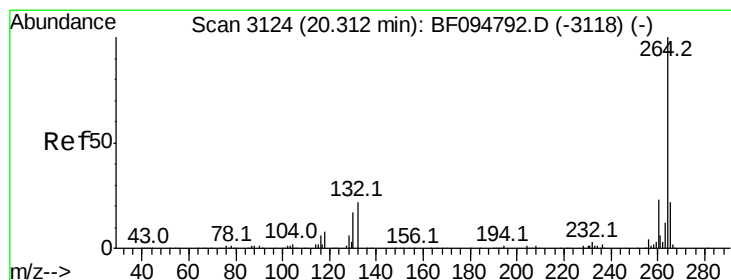
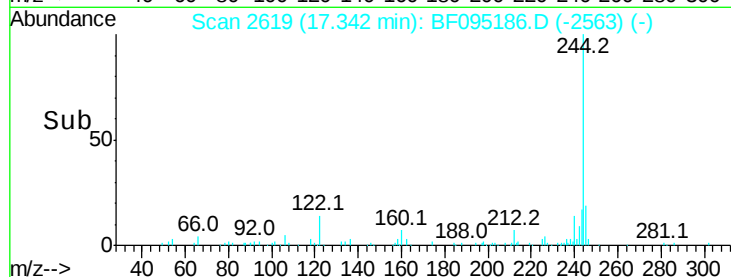
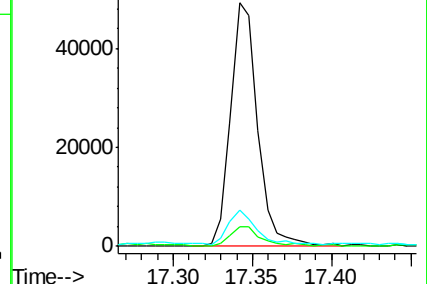
122 15.0 10.3 15.5



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# 3134

Delta R.T. 0.06 min

Lab File: BF095186.D

Acq: 17 May 2017 9:51

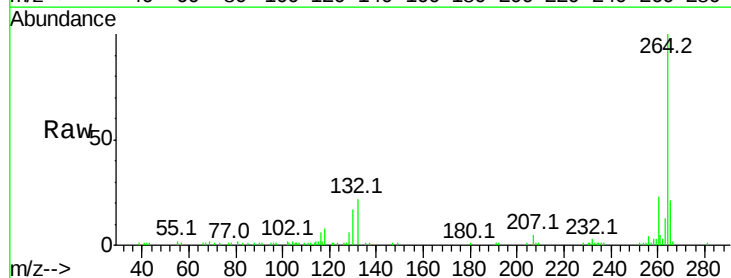
Tgt Ion:264 Resp: 96762

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 20.9 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

