

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095216.D
 Acq On : 18 May 2017 9:44
 Operator : SJ/MA
 Sample : I3192-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 051617-04

Quant Time: May 18 11:48:24 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

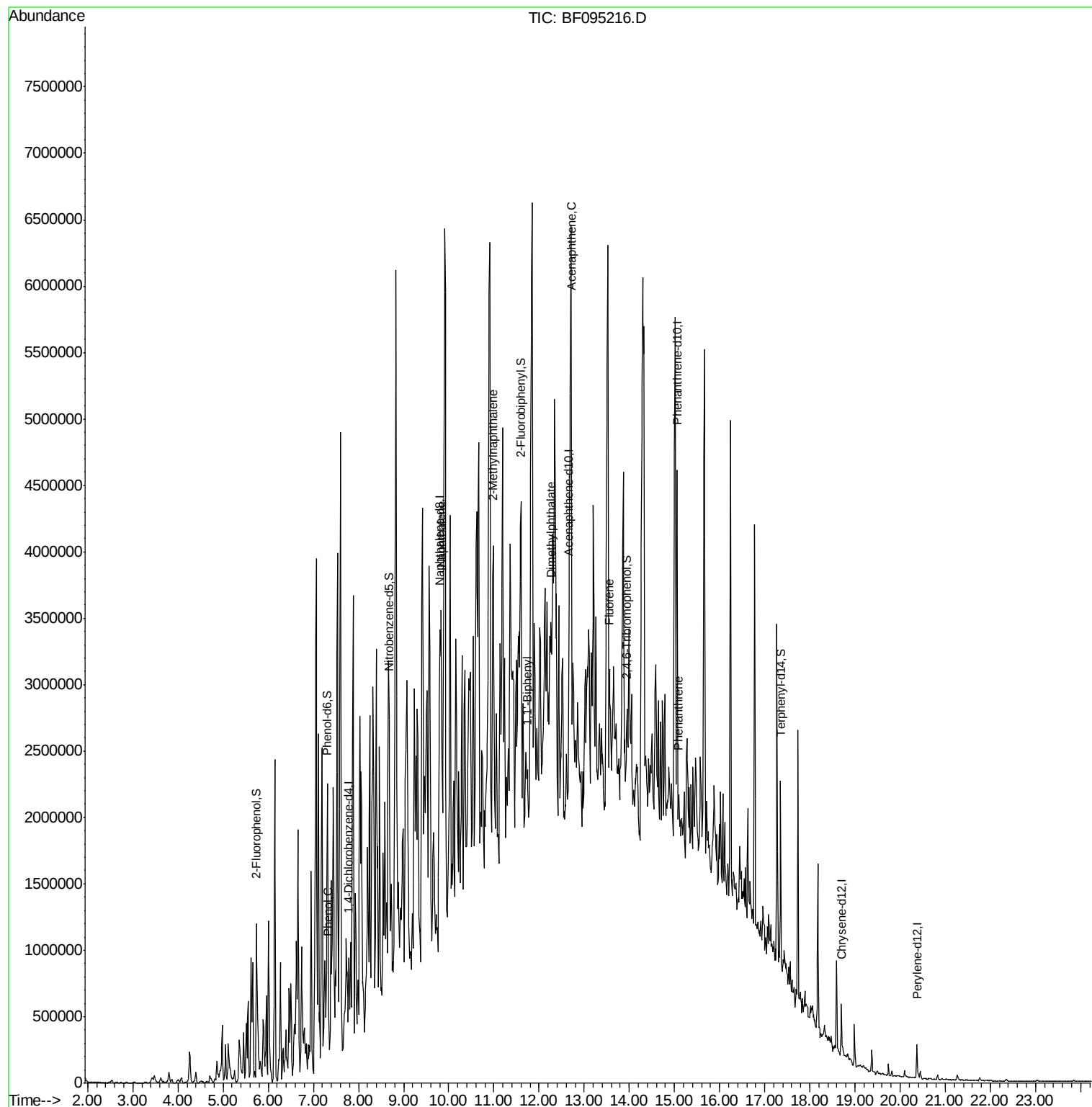
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	78794	20.00	ng	0.05
21) Naphthalene-d8	9.81	136	255700	20.00	ng	0.05
38) Acenaphthene-d10	12.66	164	103251	20.00	ng	0.08
63) Phenanthrene-d10	15.06	188	136109	20.00	ng	0.08
75) Chrysene-d12	18.70	240	180289	20.00	ng	0.05
86) Perylene-d12	20.37	264	137307	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	662753	140.23	ng	0.06
7) Phenol-d6	7.32	99	796987	140.55	ng	0.04
23) Nitrobenzene-d5	8.68	82	439138	108.30	ng	0.05
41) 2,4,6-Tribromophenol	13.96	330	99141	117.24	ng	0.08
44) 2-Fluorobiphenyl	11.59	172	650321	90.66	ng	0.06
78) Terphenyl-d14	17.35	244	540829	66.07	ng	0.04
Target Compounds						Qvalue
10) Phenol	7.34	94	49272	8.25	ng	92
31) Naphthalene	9.84	128	583169	45.38	ng	# 85
37) 2-Methylnaphthalene	10.98	142	882559	104.64	ng	97
45) 1,1'-Biphenyl	11.74	154	156560	18.01	ng	97
49) Dimethylphthalate	12.27	163	177043	20.89	ng	# 96
51) Acenaphthene	12.71	154	38858	5.92	ng	# 68
57) Fluorene	13.55	166	75646	9.57	ng	# 81
70) Phenanthrene	15.09	178	104613	13.38	ng	# 91

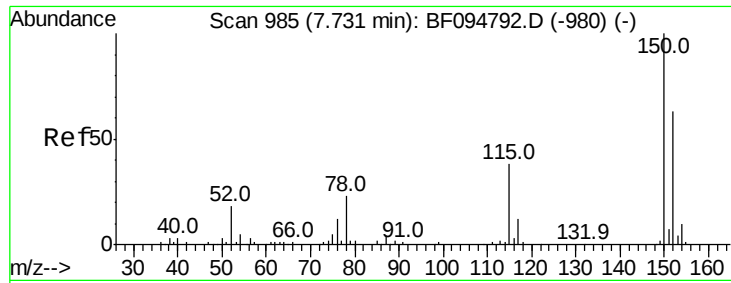
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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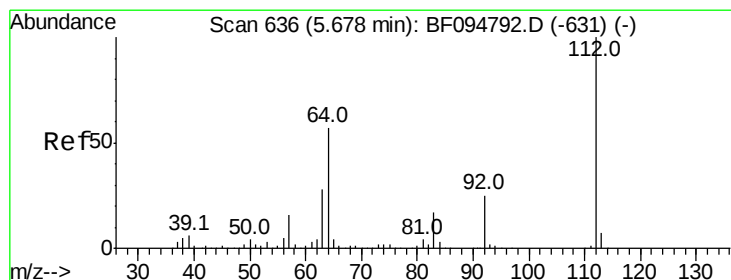
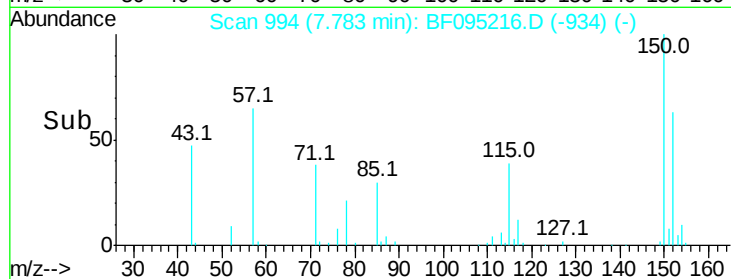
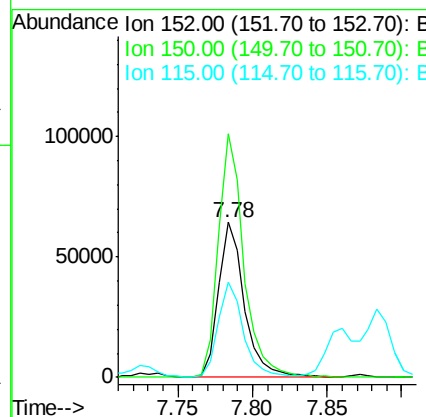
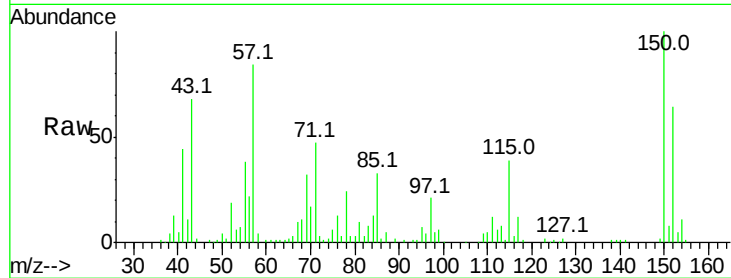


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 994
Delta R.T. 0.05 min
Lab File: BF095216.D
Acq: 18 May 2017 9:44

Instrument :
BNA_F
ClientSampleId :
051617-04

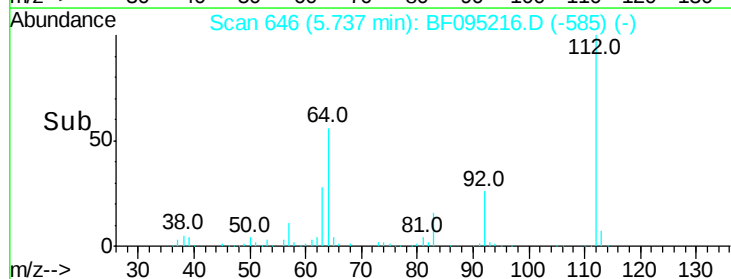
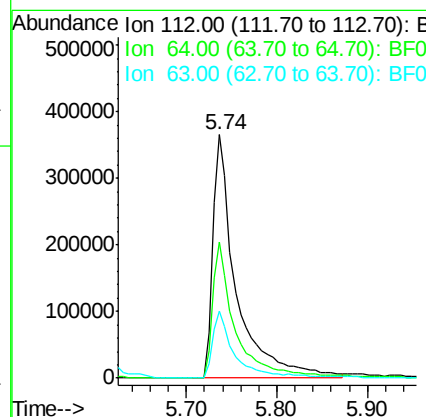
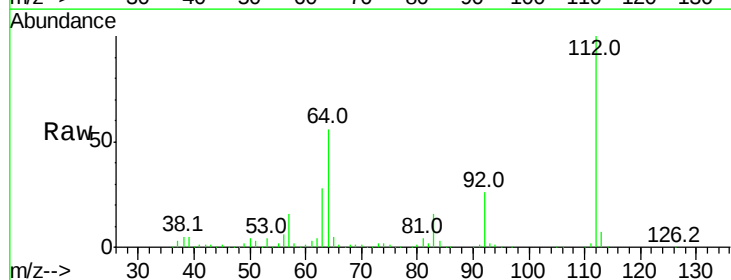
Tot Ion:152 Resp: 78794
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 61.2 52.2 78.2

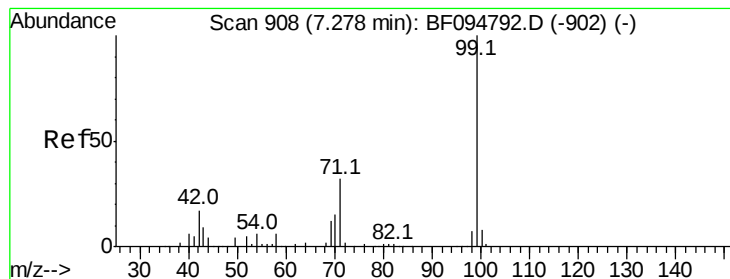


#5

2-Fluorophenol
Concen: 140.23 ng
RT: 5.74 min Scan# 646
Delta R.T. 0.06 min
Lab File: BF095216.D
Acq: 18 May 2017 9:44

Tgt Ion:112 Resp: 662753
Ion Ratio Lower Upper
112 100
64 55.8 46.0 69.0
63 27.5 23.4 35.0





#7

Phenol-d6

Concen: 140.55 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

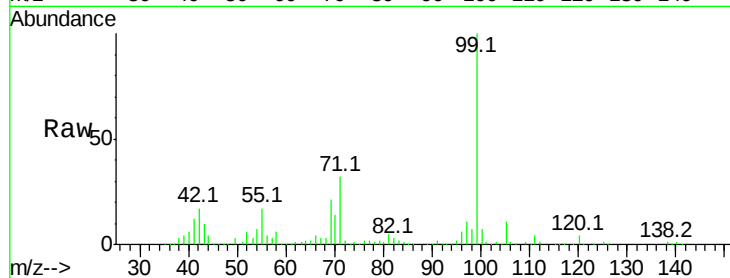
Tot Ion: 99 Resp: 796987

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

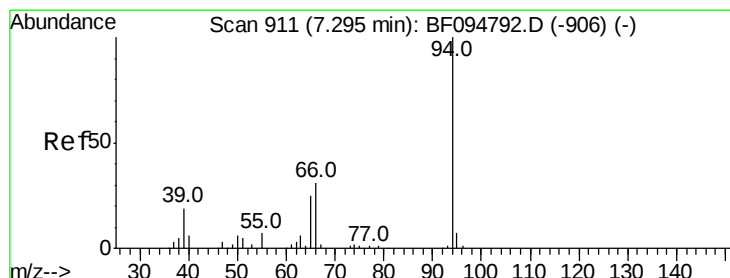
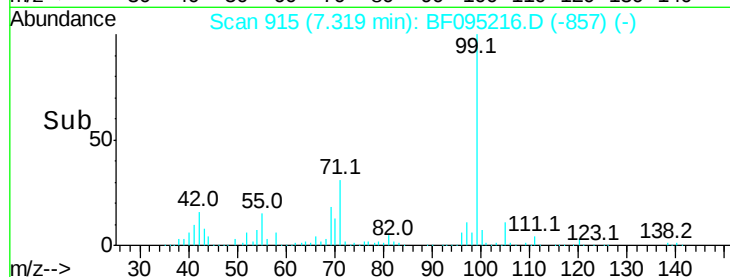
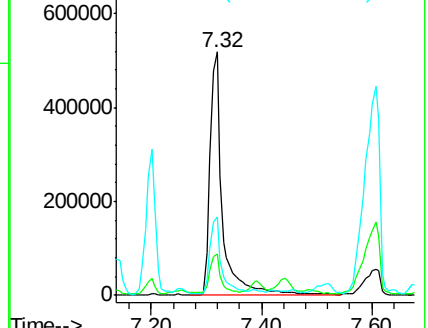
71 32.2 24.5 36.7



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



#10

Phenol

Concen: 8.25 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.04 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

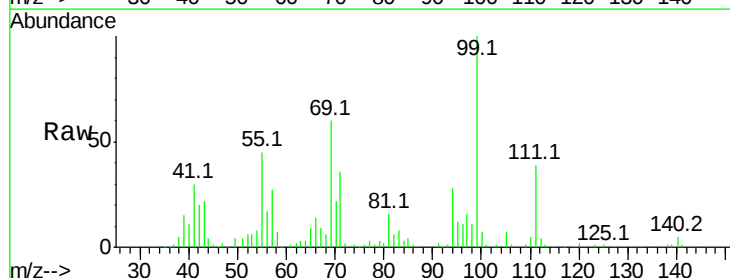
Tgt Ion: 94 Resp: 49272

Ion Ratio Lower Upper

94 100

65 32.9 9.9 49.9

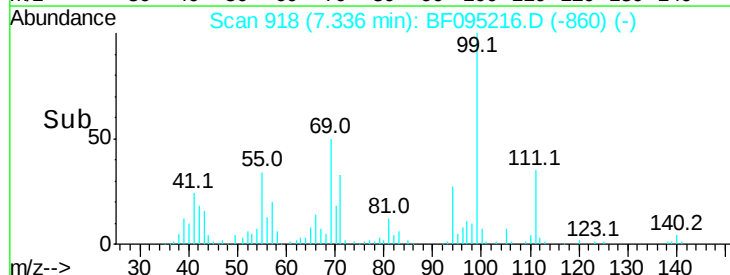
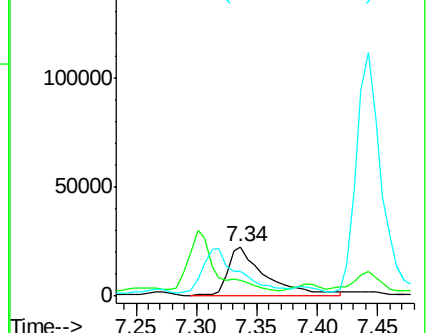
66 49.1 23.1 63.1

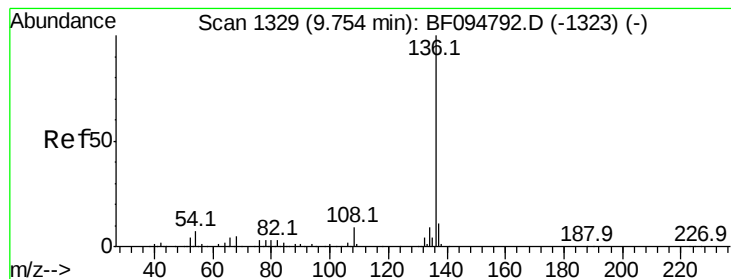


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.81 min Scan# 1338

Delta R.T. 0.05 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

Tot Ion:136 Resp: 255700

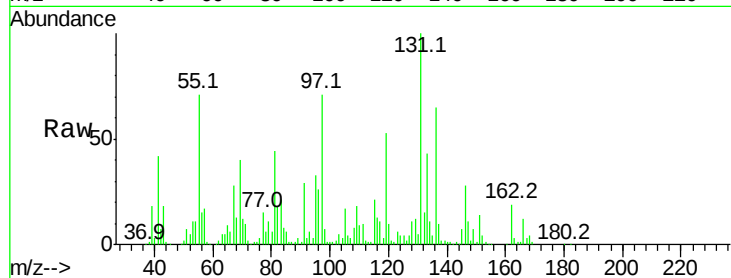
Ion Ratio Lower Upper

136 100

137 15.0 8.5 12.7#

54 17.4 4.9 7.3#

68 19.9 4.1 6.1#



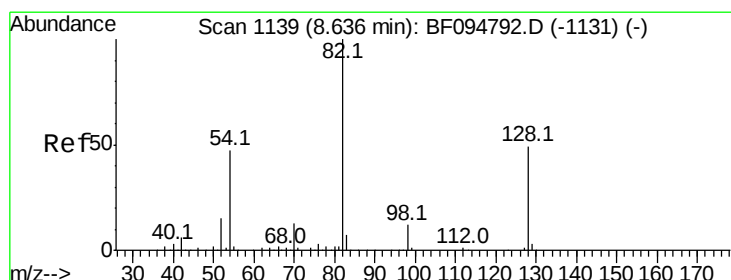
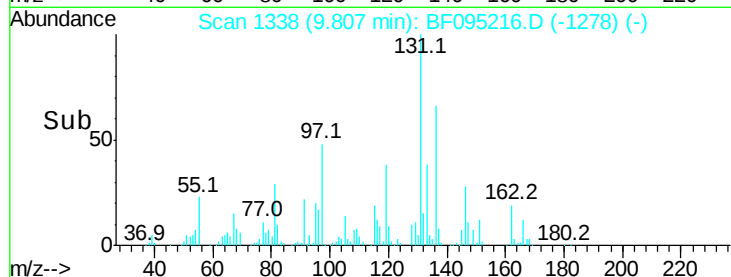
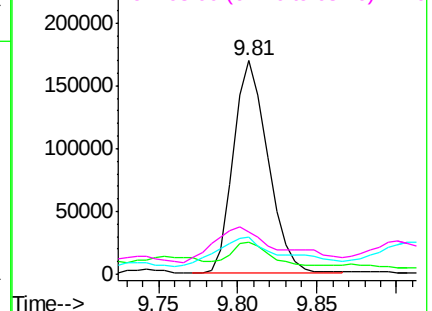
Abundance

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: 108.30 ng

RT: 8.68 min Scan# 1147

Delta R.T. 0.05 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

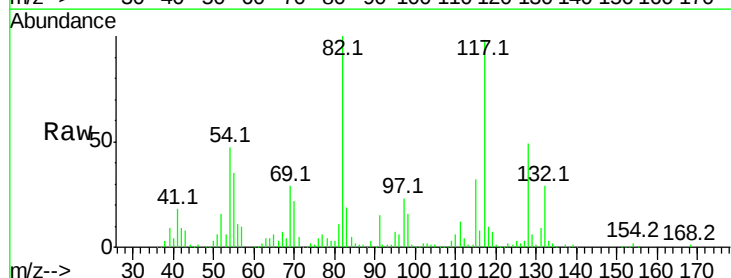
Tgt Ion: 82 Resp: 439138

Ion Ratio Lower Upper

82 100

128 49.0 34.0 51.0

54 46.9 42.2 63.2

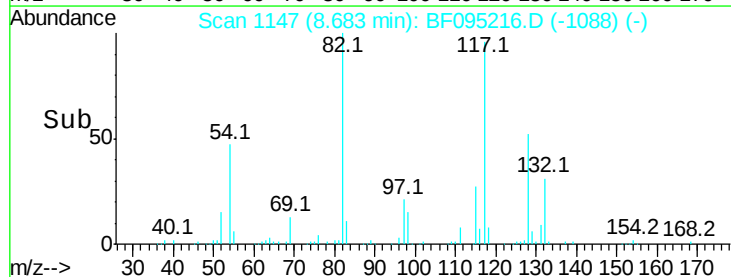
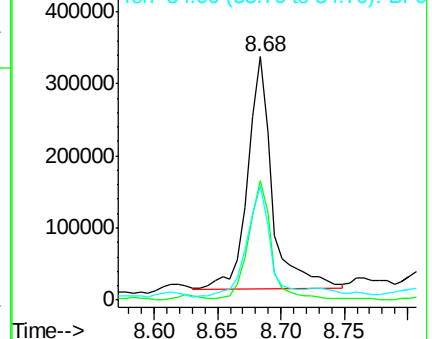


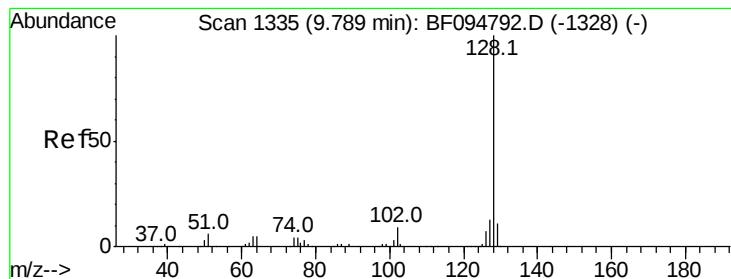
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 45.38 ng

RT: 9.84 min Scan# 1344

Delta R.T. 0.05 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

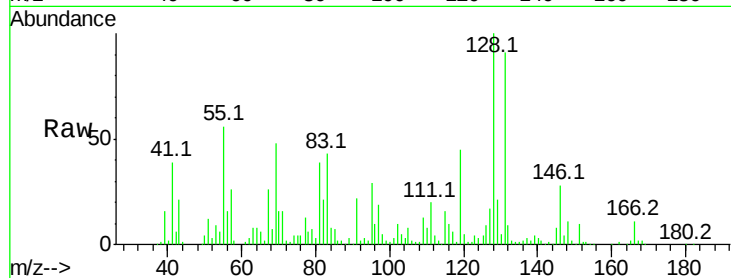
Tot Ion:128 Resp: 583169

Ion Ratio Lower Upper

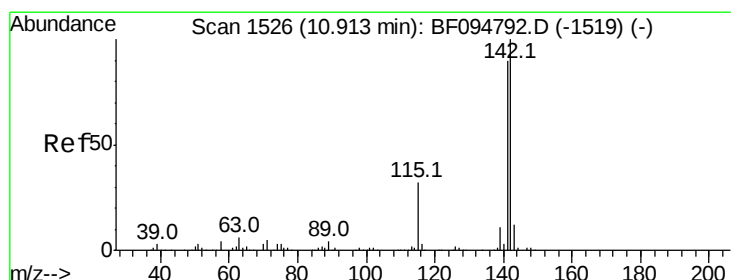
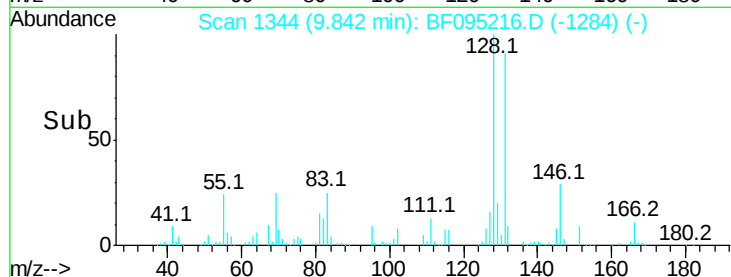
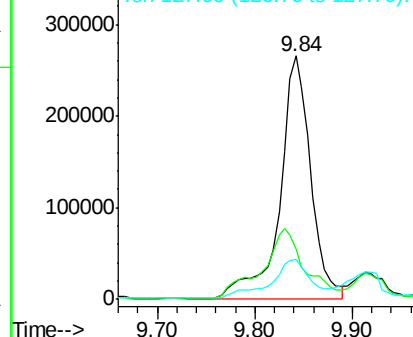
128 100

129 20.7 9.0 13.6#

127 16.7 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 104.64 ng

RT: 10.98 min Scan# 1538

Delta R.T. 0.07 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

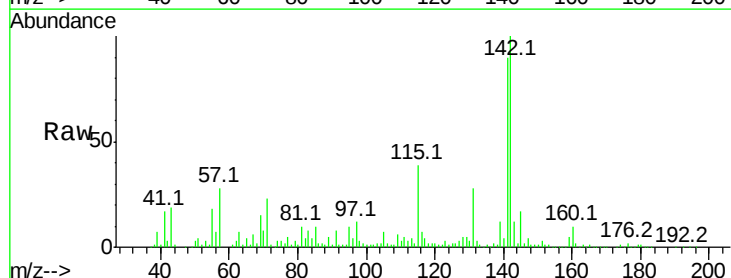
Tgt Ion:142 Resp: 882559

Ion Ratio Lower Upper

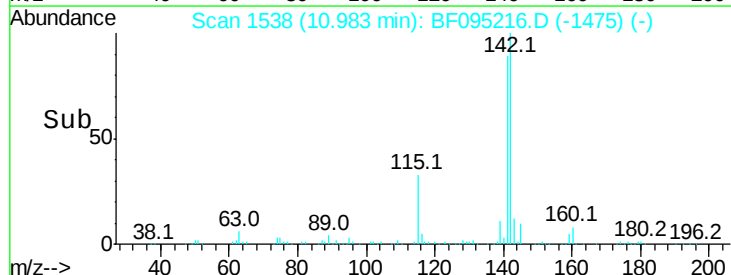
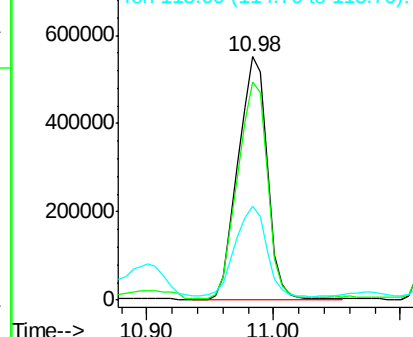
142 100

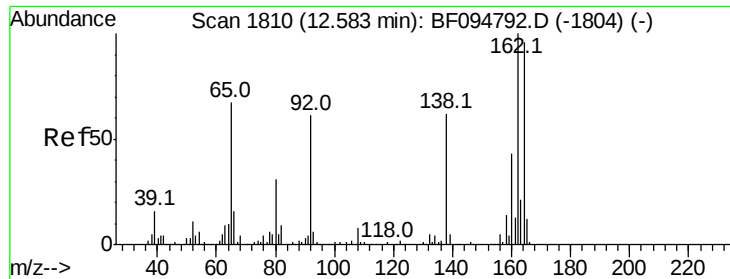
141 89.5 71.3 106.9

115 38.8 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: 12.66 min Scan# 1823

Delta R.T. 0.08 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

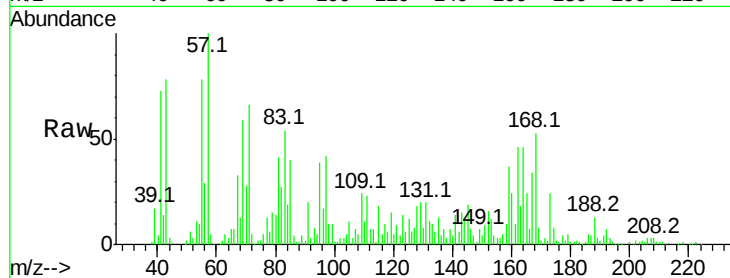
Tot Ion:164 Resp: 103251

Ion Ratio Lower Upper

164 100

162 100.3 82.6 123.8

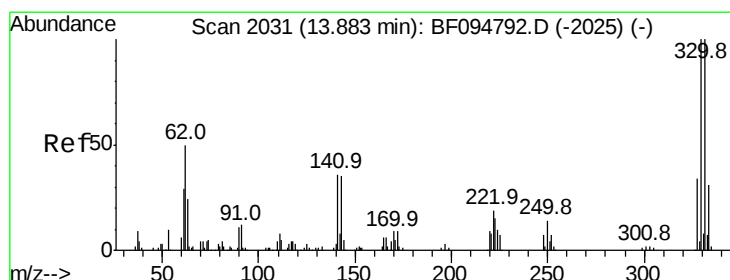
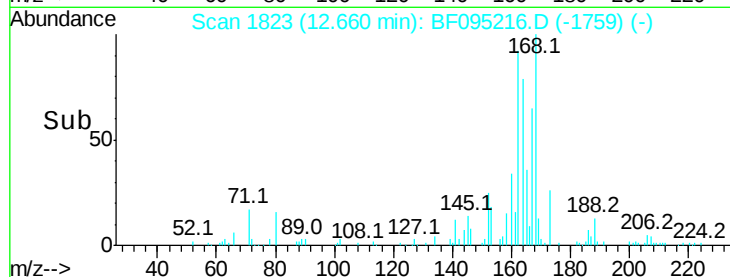
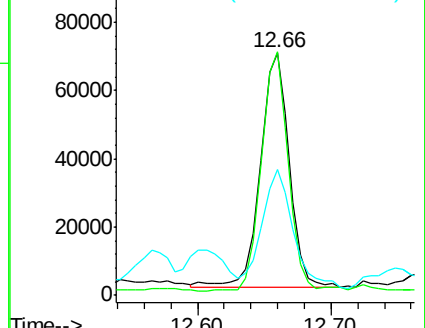
160 51.9 36.2 54.2



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: 117.24 ng

RT: 13.96 min Scan# 2044

Delta R.T. 0.08 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

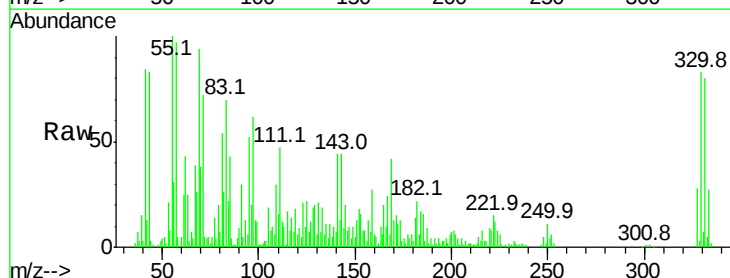
Tgt Ion:330 Resp: 99141

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

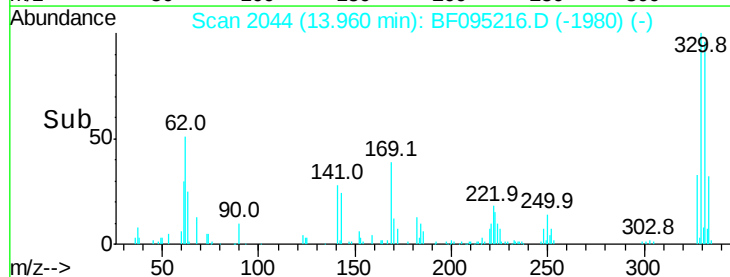
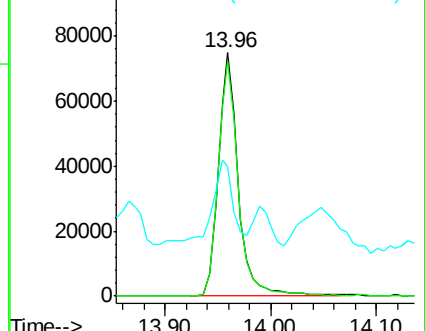
141 39.0 31.4 47.2

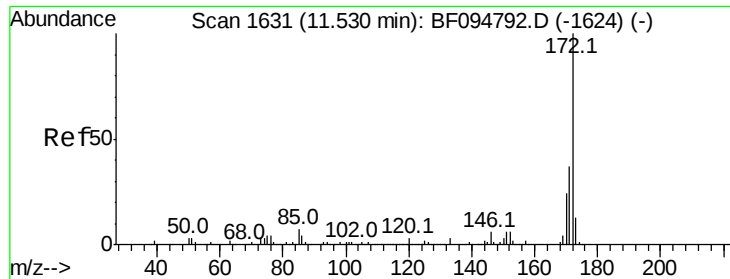


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

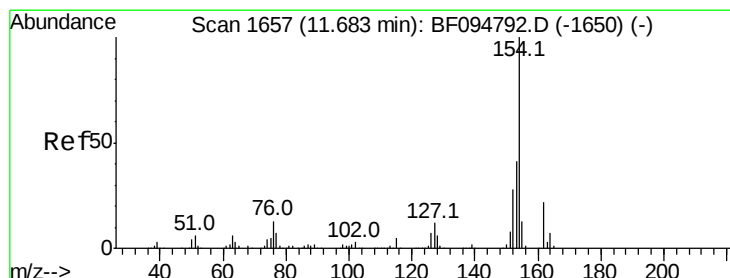
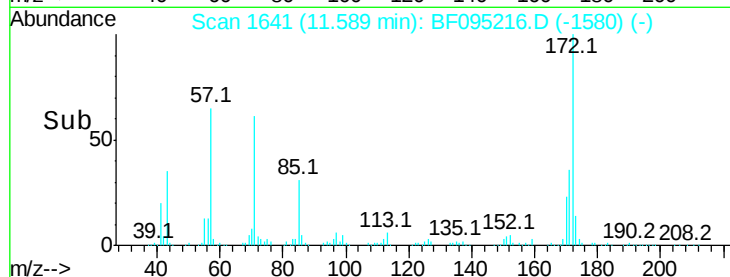
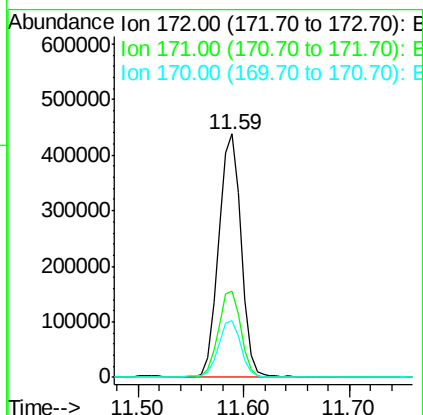
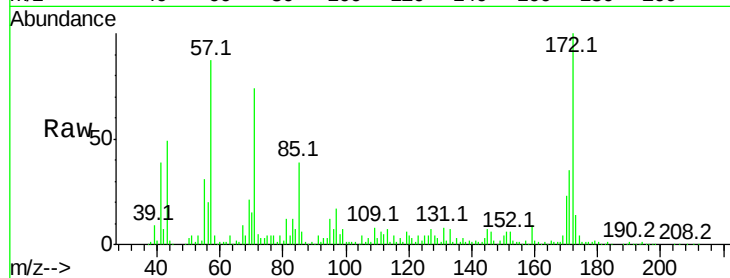




#44
2-Fluorobiphenyl
Concen: 90.66 ng
RT: 11.59 min Scan# 1641
Delta R.T. 0.06 min
Lab File: BF095216.D
Acq: 18 May 2017 9:44

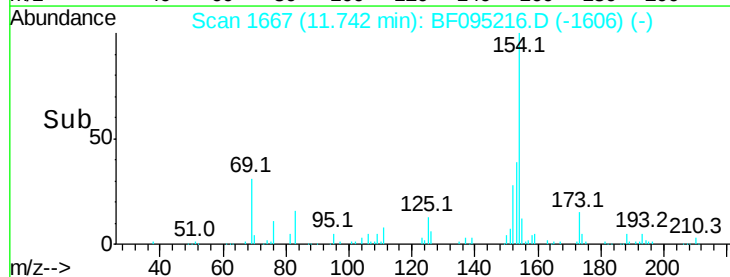
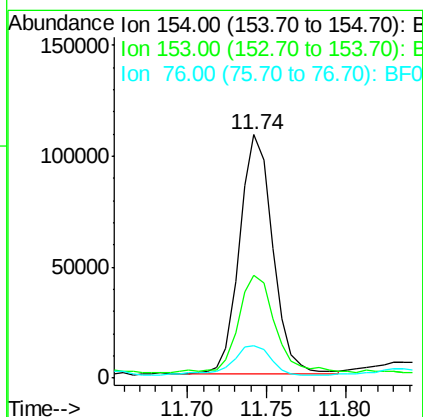
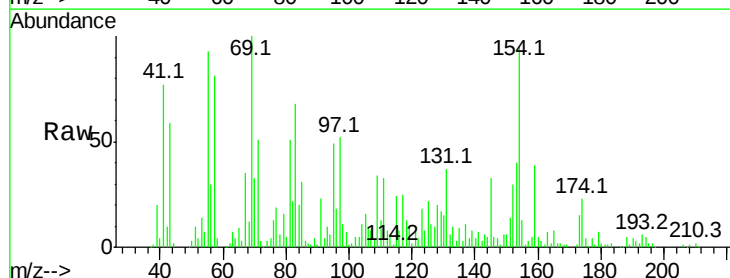
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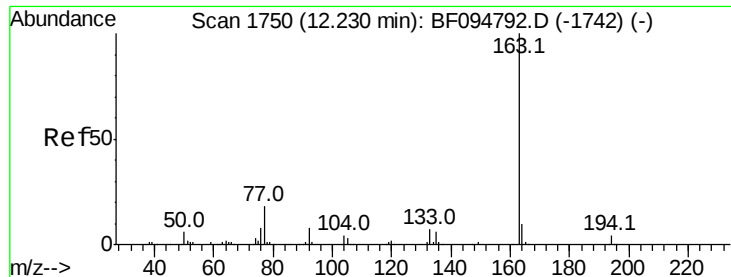
Tot Ion:172 Resp: 650321
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.2 19.8 29.8



#45
1,1'-Biphenyl
Concen: 18.01 ng
RT: 11.74 min Scan# 1667
Delta R.T. 0.06 min
Lab File: BF095216.D
Acq: 18 May 2017 9:44

Tgt Ion:154 Resp: 156560
Ion Ratio Lower Upper
154 100
153 42.0 21.2 61.2
76 13.4 0.0 29.9





#49

Dimethylphthalate

Concen: 20.89 ng

RT: 12.27 min Scan# 1757

Delta R.T. 0.04 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

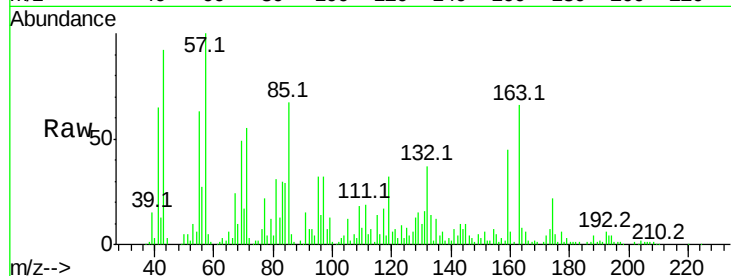
Tot Ion:163 Resp: 177043

Ion Ratio Lower Upper

163 100

194 5.9 2.6 4.0#

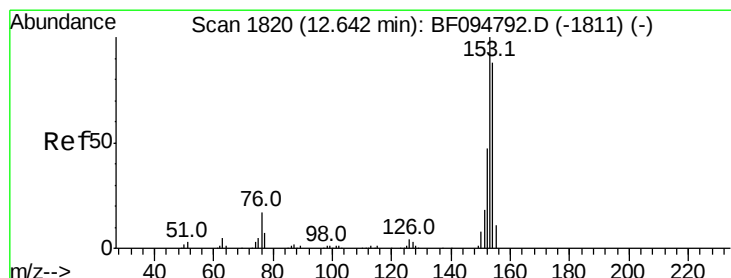
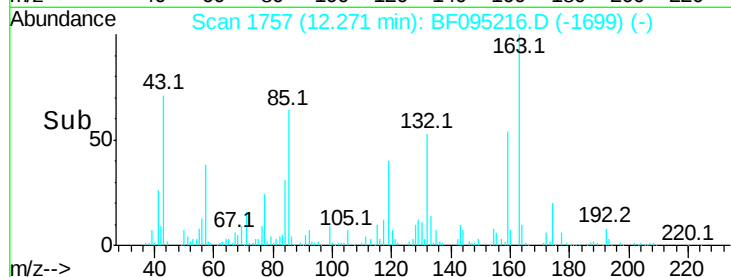
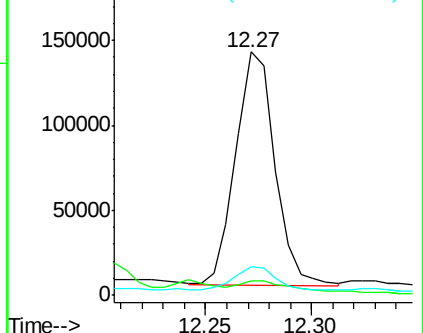
164 11.5 8.4 12.6



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



#51

Acenaphthene

Concen: 5.92 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.07 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

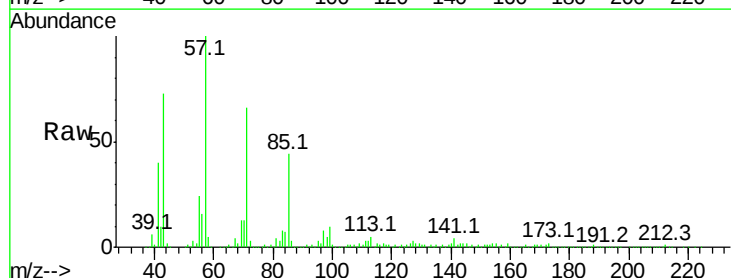
Tgt Ion:154 Resp: 38858

Ion Ratio Lower Upper

154 100

153 66.5 90.5 135.7#

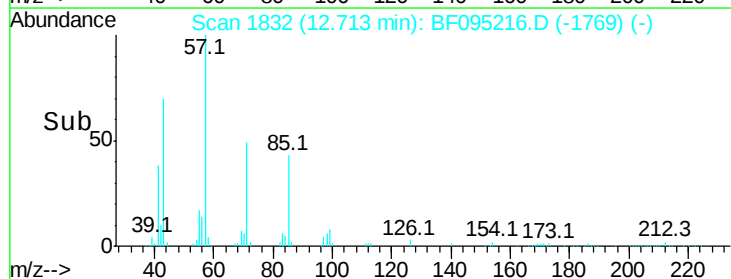
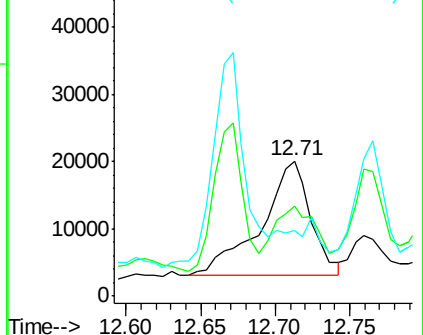
152 48.4 43.6 65.4

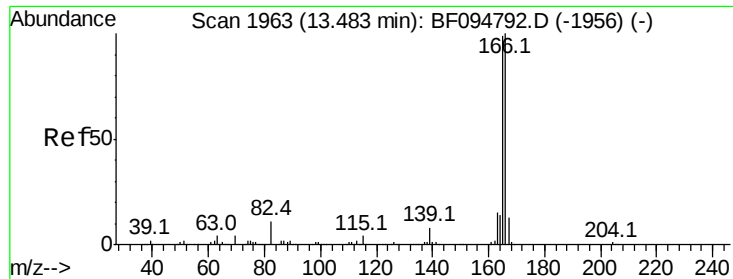


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 9.57 ng

RT: 13.55 min Scan# 1975

Delta R.T. 0.07 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

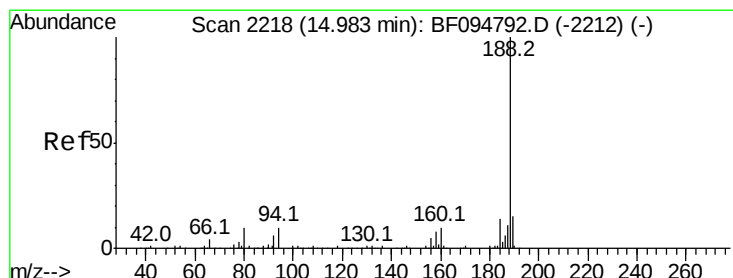
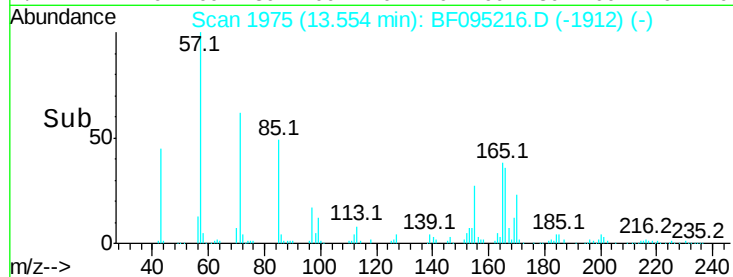
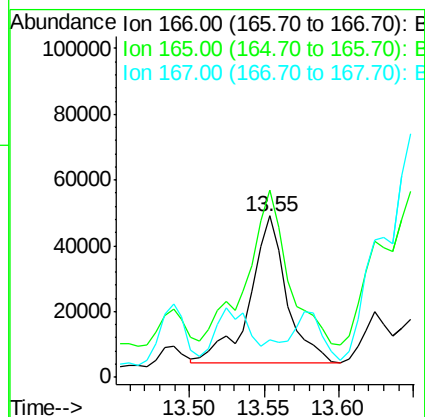
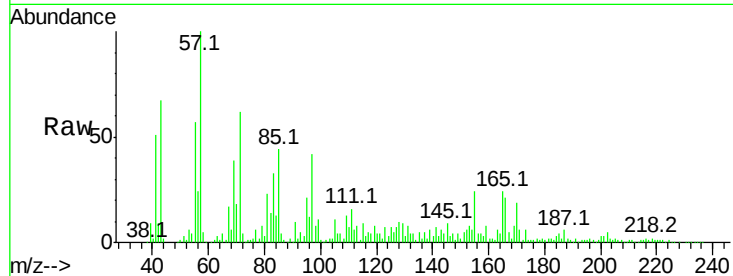
Tot Ion:166 Resp: 75646

Ion Ratio Lower Upper

166 100

165 116.2 78.8 118.2

167 23.6 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.06 min Scan# 2231

Delta R.T. 0.08 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

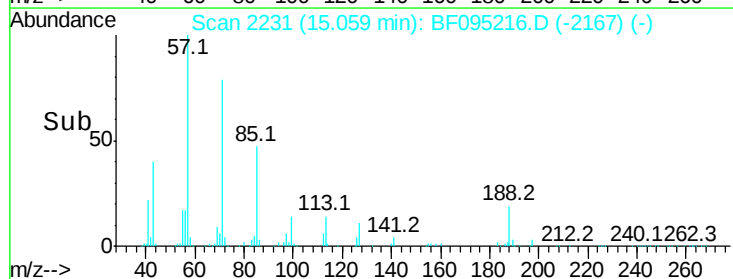
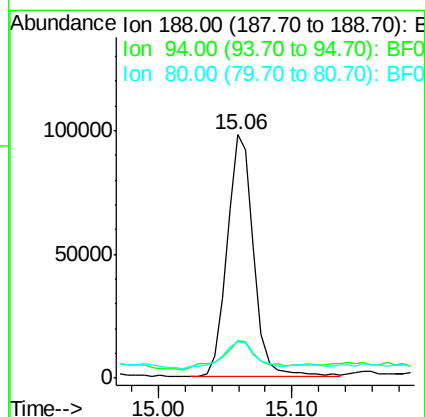
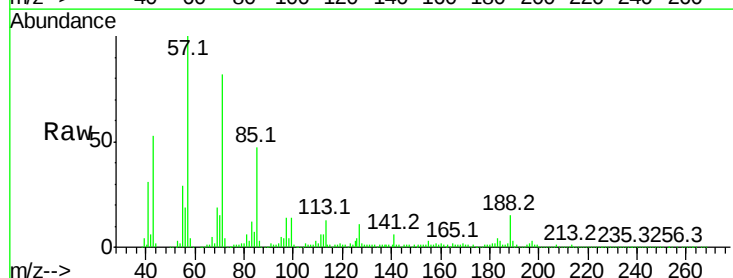
Tgt Ion:188 Resp: 136109

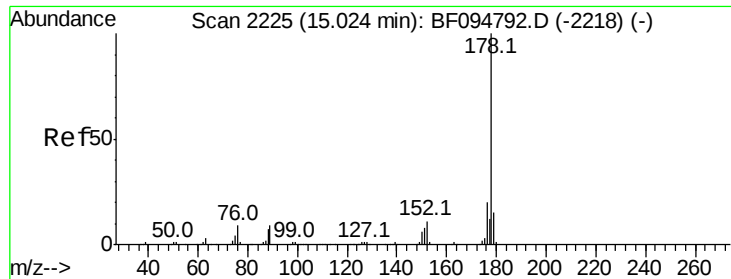
Ion Ratio Lower Upper

188 100

94 15.5 9.4 14.2#

80 14.8 10.2 15.2





#70

Phenanthrene

Concen: 13.38 ng

RT: 15.09 min Scan# 2237

Delta R.T. 0.07 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

Instrument :

BNA_F

ClientSampleId :

051617-04

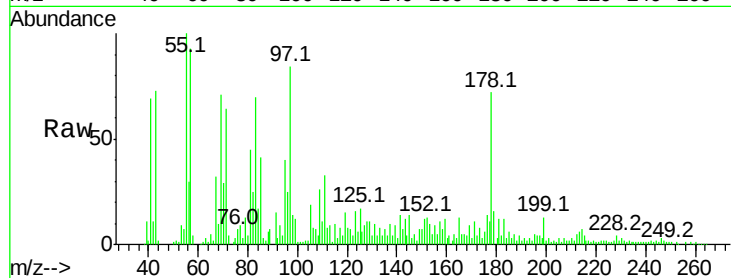
Tot Ion:178 Resp: 104613

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

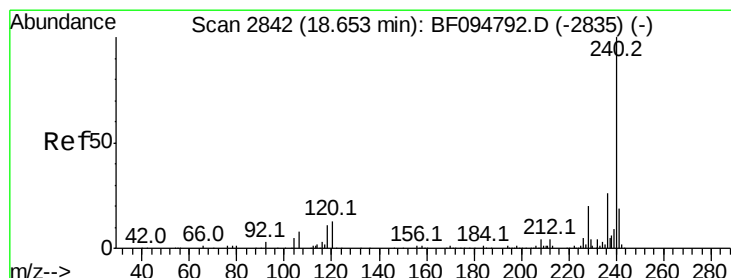
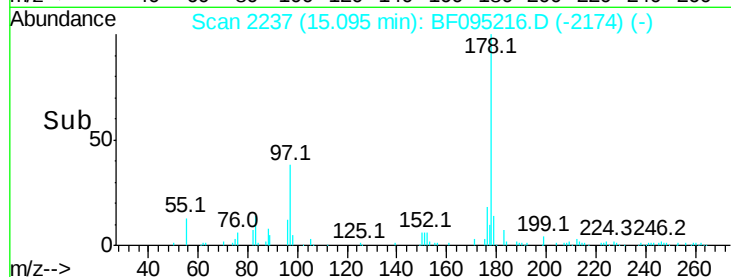
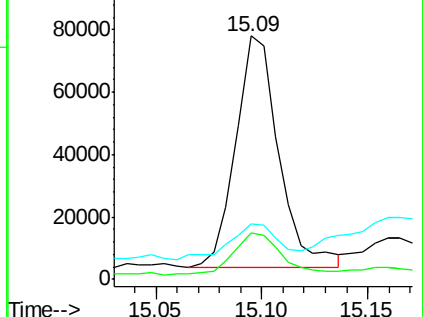
179 22.9 12.6 19.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.70 min Scan# 2850

Delta R.T. 0.05 min

Lab File: BF095216.D

Acq: 18 May 2017 9:44

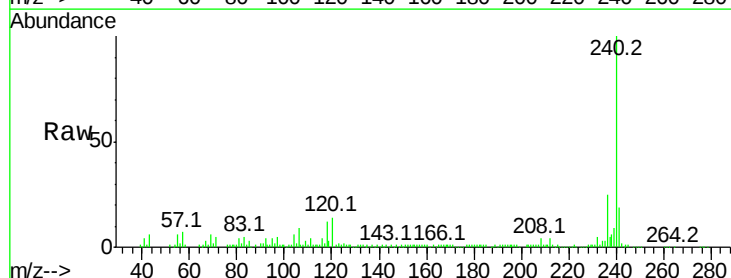
Tgt Ion:240 Resp: 180289

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

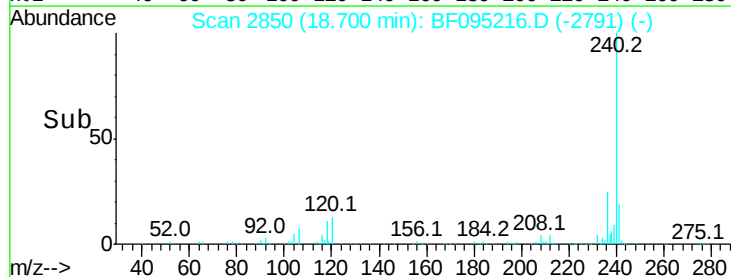
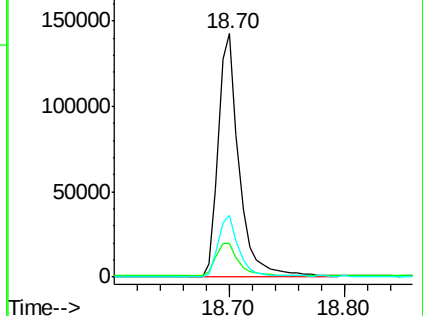
236 25.3 20.5 30.7

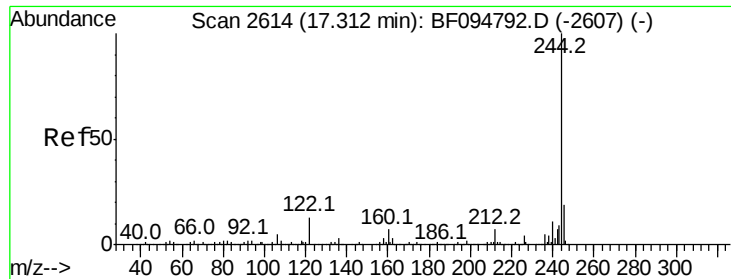


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

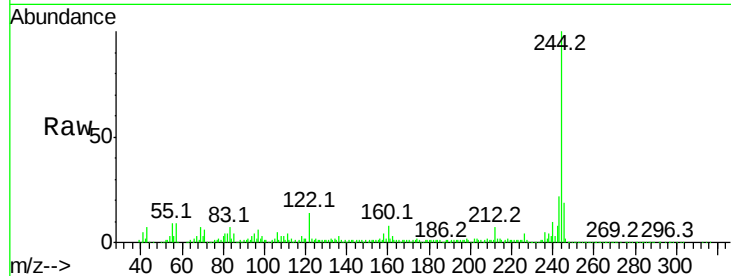




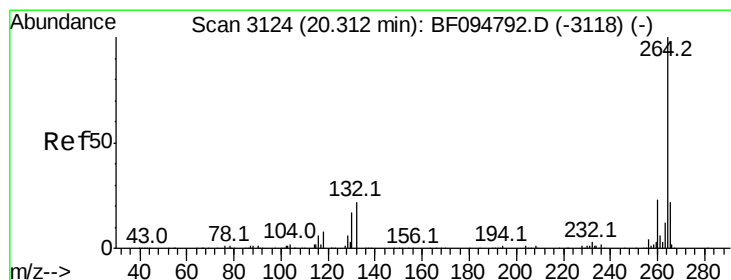
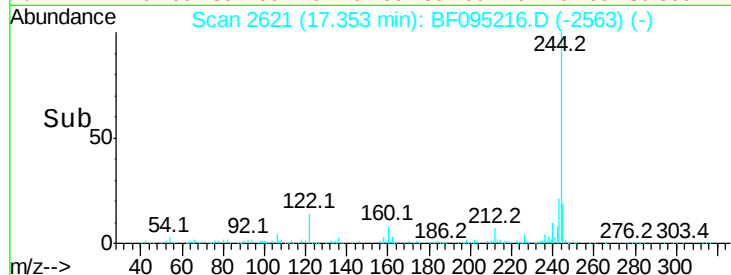
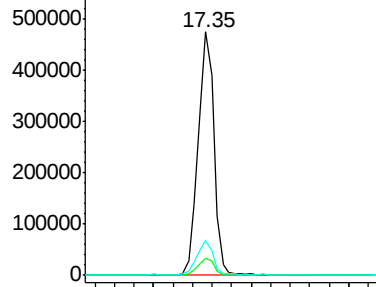
#78
 Terphenyl-d14
 Concen: 66.07 ng
 RT: 17.35 min Scan# 2621
 Delta R.T. 0.04 min
 Lab File: BF095216.D
 Acq: 18 May 2017 9:44

Instrument :
 BNA_F
 ClientSampleId :
 051617-04

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.4	10.3	15.5

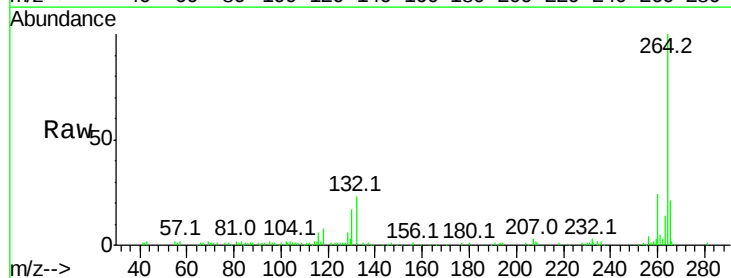


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.37 min Scan# 3134
 Delta R.T. 0.06 min
 Lab File: BF095216.D
 Acq: 18 May 2017 9:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	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

