

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095737.D
 Acq On : 7 Jun 2017 8:49
 Operator : SJ/MA
 Sample : I3465-04 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

Quant Time: Jun 07 11:42:27 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

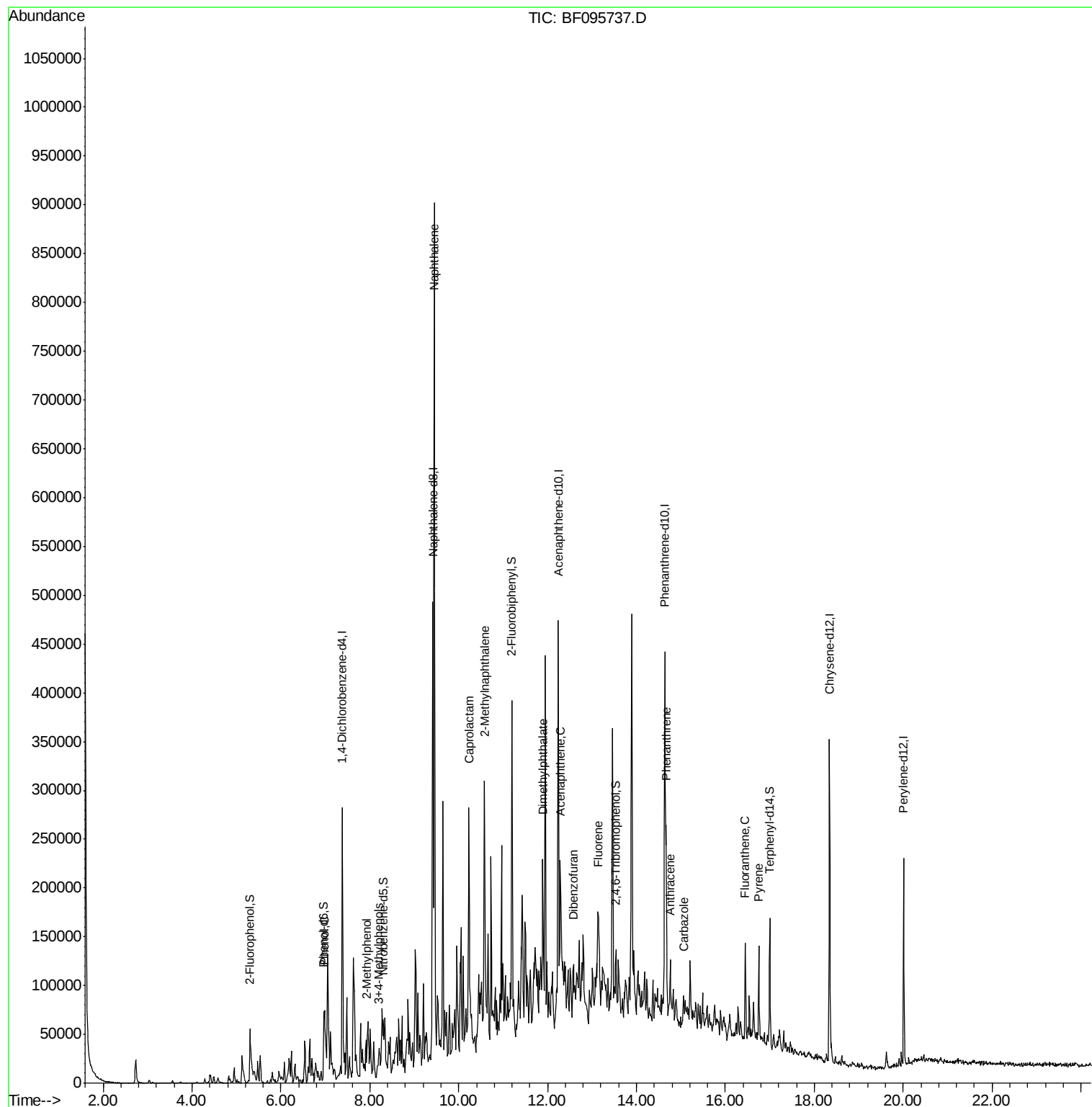
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	66738	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	252425	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	95581	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	142969	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	128957	20.00	ng	-0.01
86) Perylene-d12	20.01	264	91174	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	59407	14.18	ng	0.02
7) Phenol-d6	6.96	99	68839	13.73	ng	0.00
23) Nitrobenzene-d5	8.30	82	38220	9.40	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	9874	11.68	ng	-0.01
44) 2-Fluorobiphenyl	11.19	172	67138	9.77	ng	-0.02
78) Terphenyl-d14	17.00	244	41979	8.08	ng	-0.02
Target Compounds						
10) Phenol	6.99	94	11926	2.293	ng	Qvalue 95
17) 2-Methylphenol	7.93	107	10978	2.937	ng	87
20) 3+4-Methylphenols	8.22	107	26354	5.555	ng	# 65
31) Naphthalene	9.45	128	547734	43.236	ng	99
35) Caprolactam	10.23	113	9454	9.350	ng	# 78
37) 2-Methylnaphthalene	10.57	142	93856	10.965	ng	98
49) Dimethylphthalate	11.89	163	15736	2.168	ng	97
51) Acenaphthene	12.29	154	36406	5.989	ng	98
54) Dibenzofuran	12.58	168	26896	3.144	ng	100
57) Fluorene	13.13	166	33035	4.437	ng	99
70) Phenanthrene	14.67	178	103272	12.519	ng	99
71) Anthracene	14.76	178	34993	4.063	ng	95
72) Carbazole	15.06	167	21701	2.586	ng	98
74) Fluoranthene	16.44	202	53287	6.526	ng	99
77) Pyrene	16.75	202	40227	4.181	ng	# 91

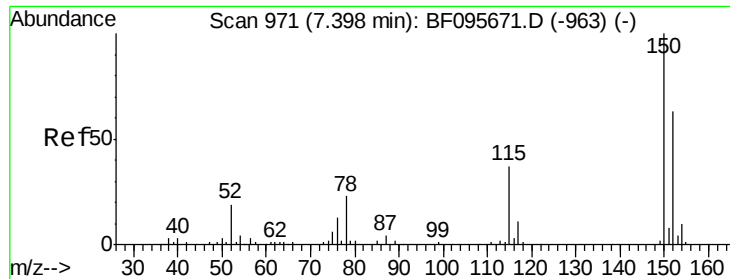
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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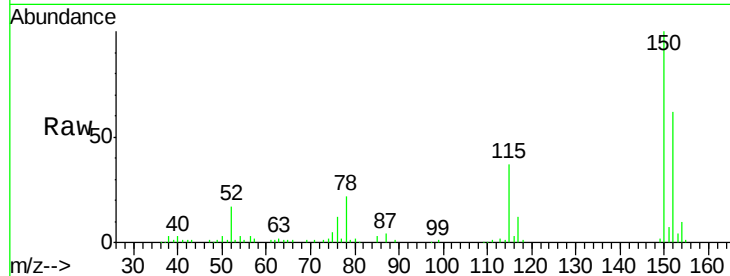


#1

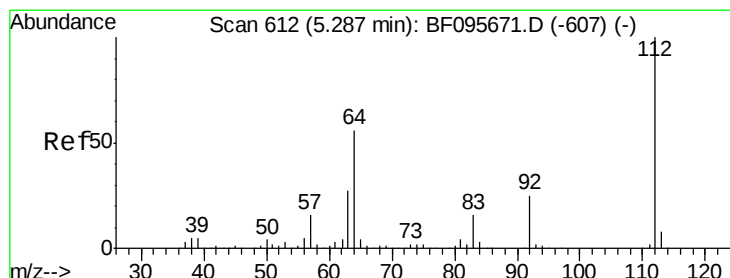
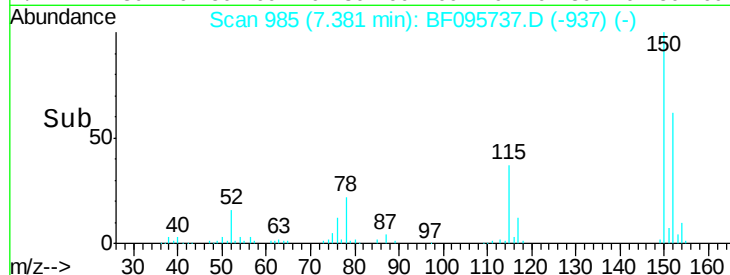
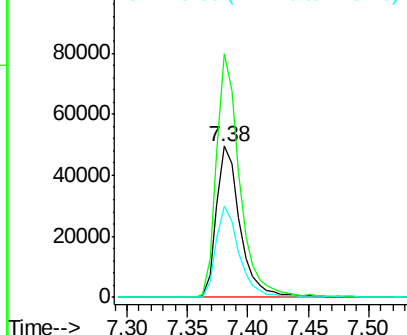
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-S7-BASE

Tgt Ion:152 Resp: 66738
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 60.2 52.2 78.2



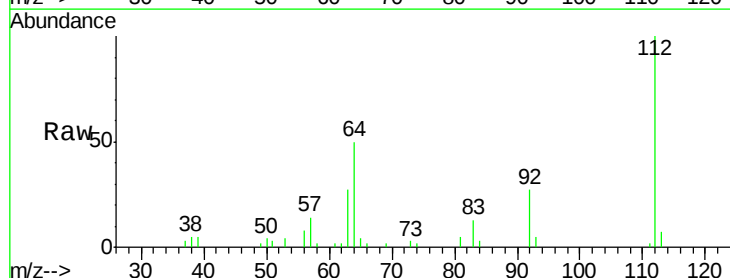
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



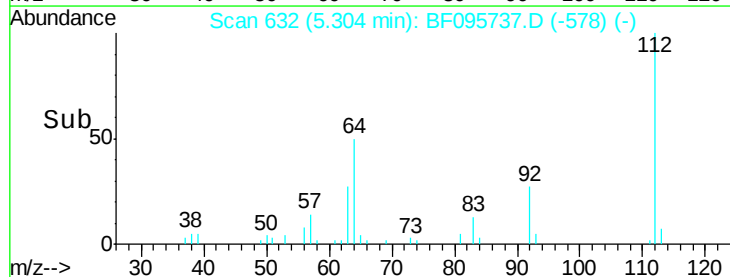
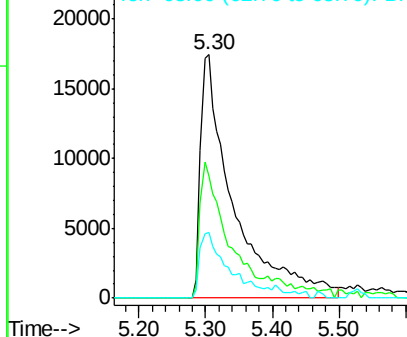
#5

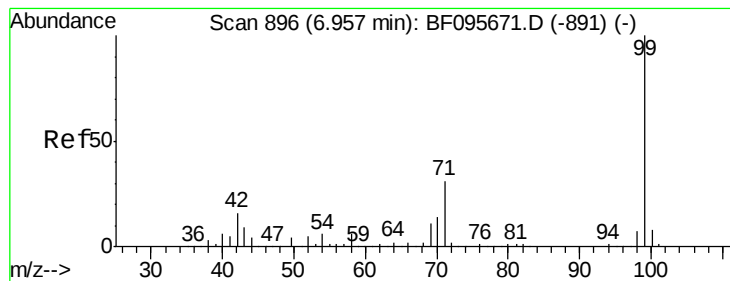
2-Fluorophenol
Concen: 14.184 ng
RT: 5.30 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion:112 Resp: 59407
Ion Ratio Lower Upper
112 100
64 50.3 46.0 69.0
63 27.1 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: 13.729 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

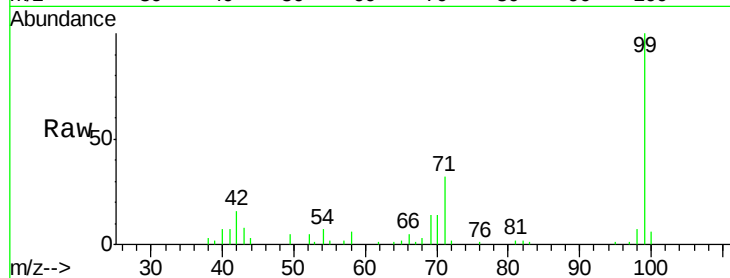
Tgt Ion: 99 Resp: 68839

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

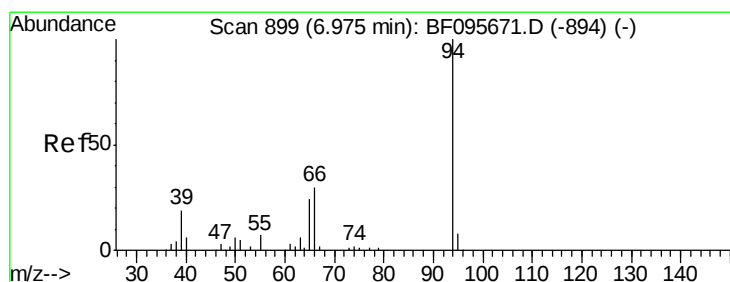
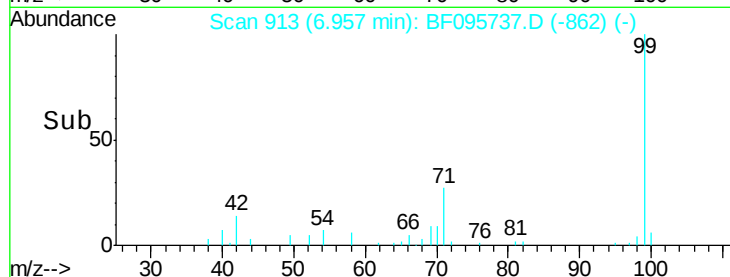
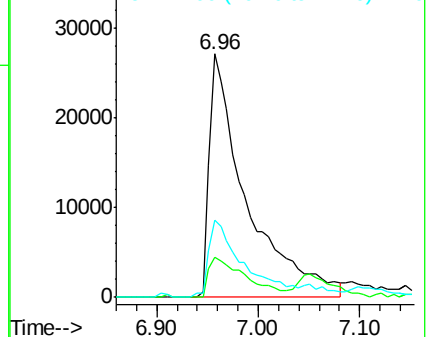
71 31.7 24.5 36.7



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: 2.293 ng

RT: 6.99 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

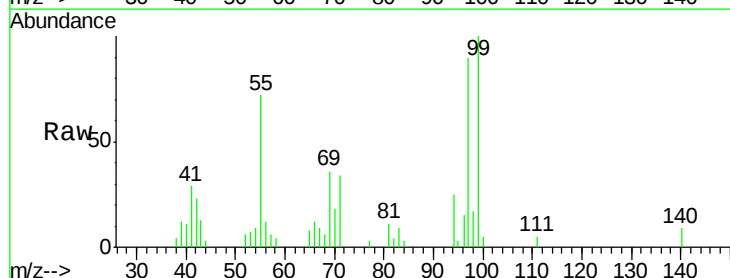
Tgt Ion: 94 Resp: 11926

Ion Ratio Lower Upper

94 100

65 31.0 9.9 49.9

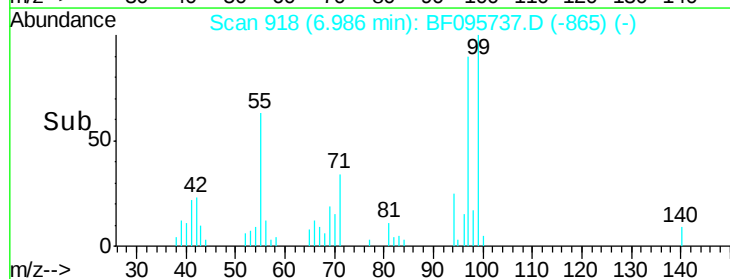
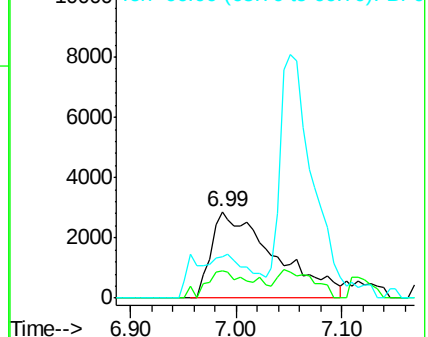
66 48.0 23.1 63.1

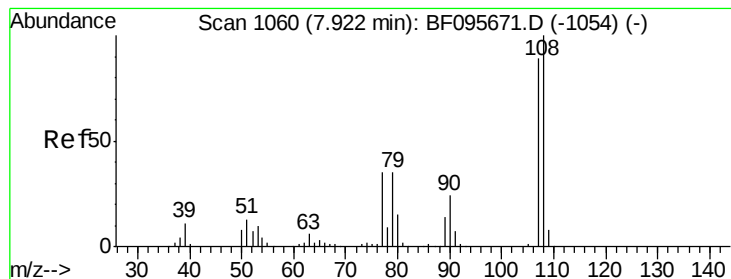


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 2.937 ng

RT: 7.93 min Scan# 1079

Delta R.T. 0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

Tgt Ion:107 Resp: 10978

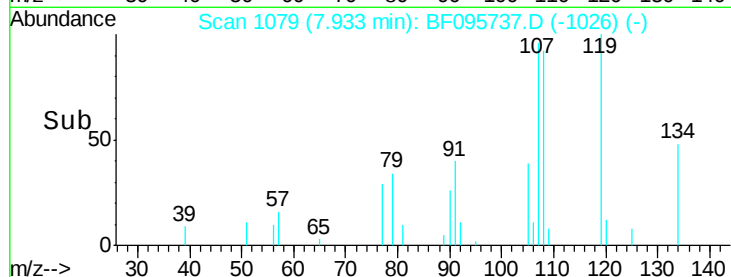
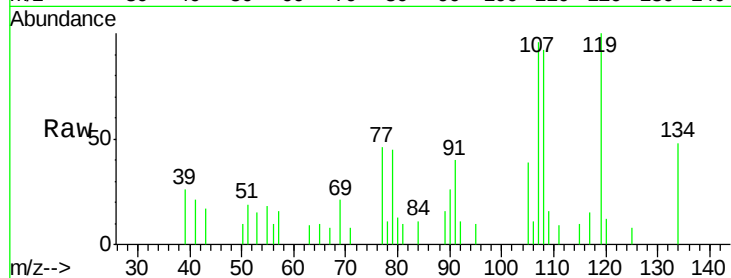
Ion Ratio Lower Upper

107 100

108 95.6 93.4 140.0

77 48.3 35.8 53.6

79 47.1 34.8 52.2



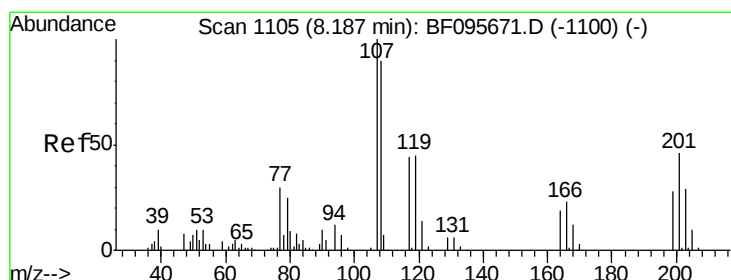
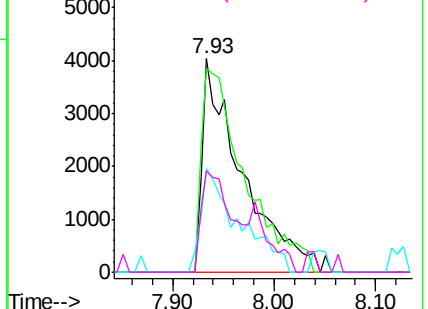
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20

3+4-Methylphenols

Concen: 5.555 ng

RT: 8.22 min Scan# 1127

Delta R.T. 0.03 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Tgt Ion:107 Resp: 26354

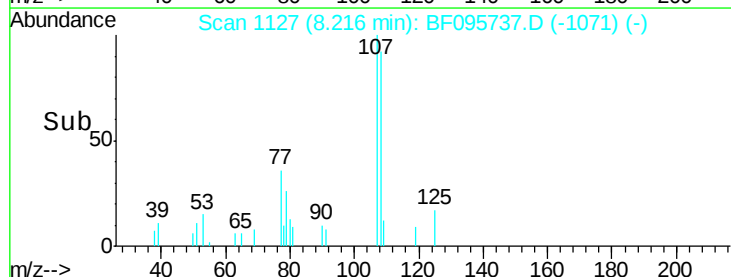
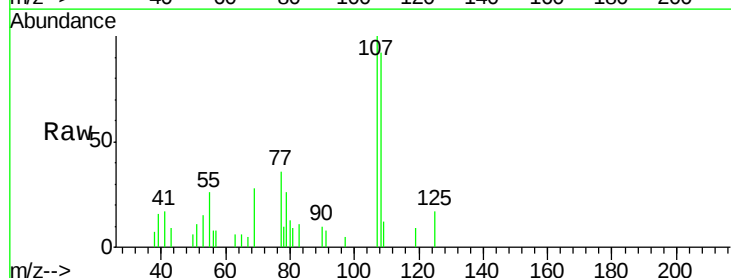
Ion Ratio Lower Upper

107 100

108 92.1 71.0 111.0

77 36.0 90.5 130.5#

79 25.9 8.4 48.4



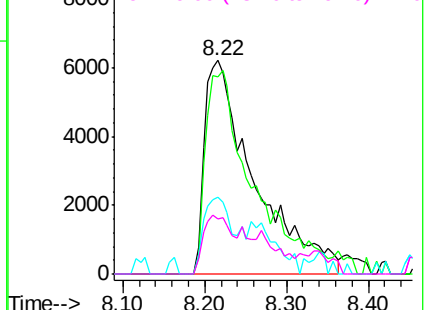
Abundance

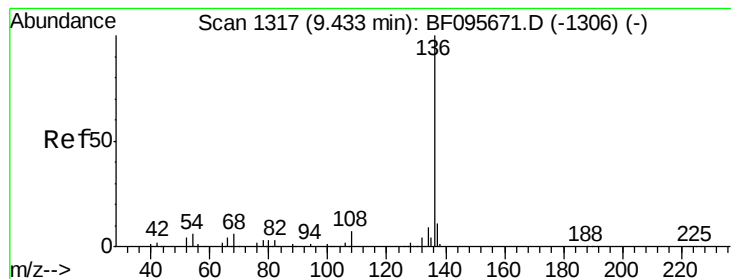
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

Tgt Ion: 136 Resp: 252425

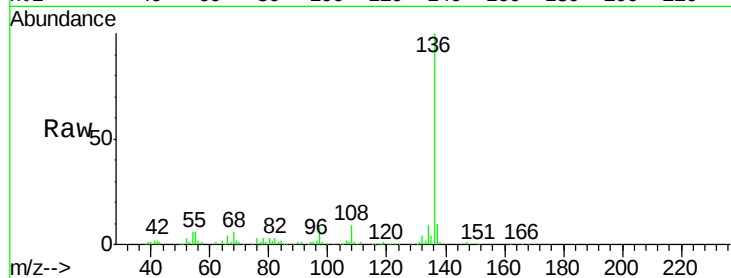
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.3 4.9 7.3

68 5.8 4.1 6.1

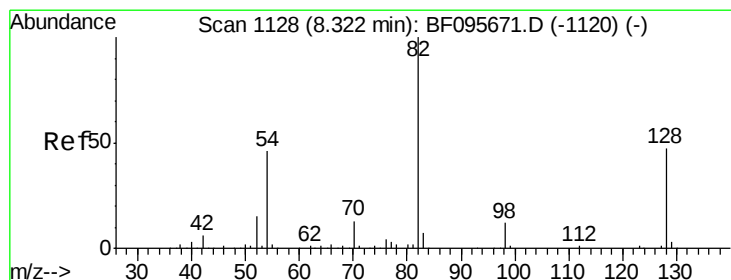
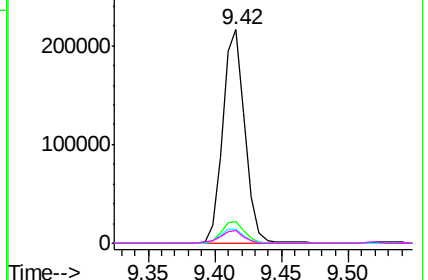
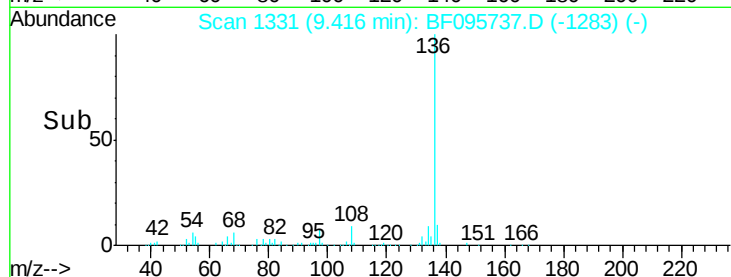


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.403 ng

RT: 8.30 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

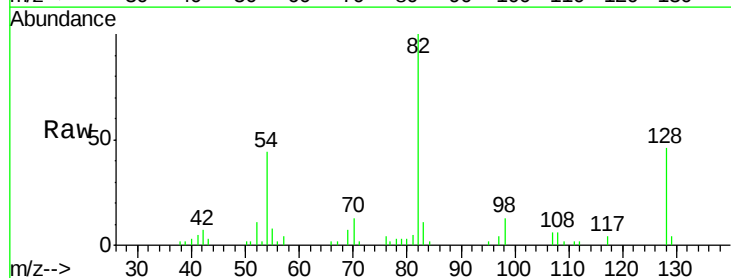
Tgt Ion: 82 Resp: 38220

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

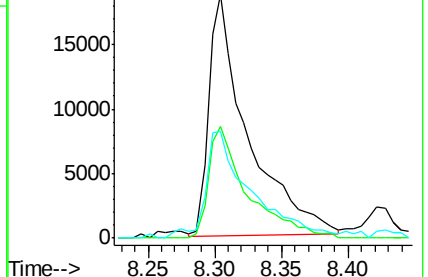
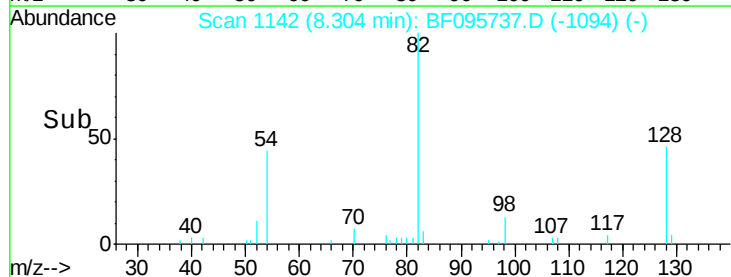
54 43.7 42.2 63.2

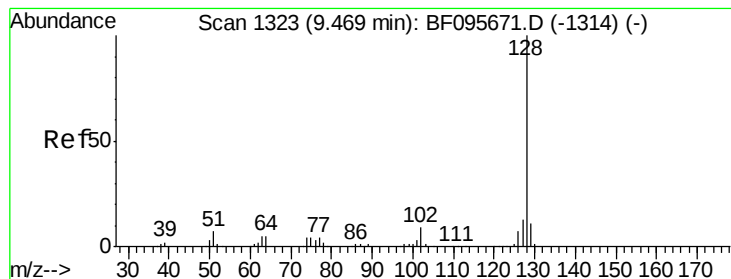


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 43.236 ng

RT: 9.45 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

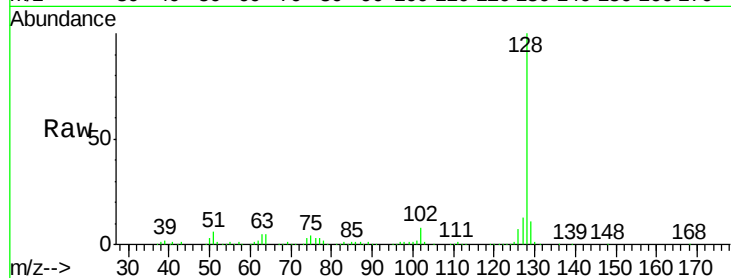
Tgt Ion:128 Resp: 547734

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

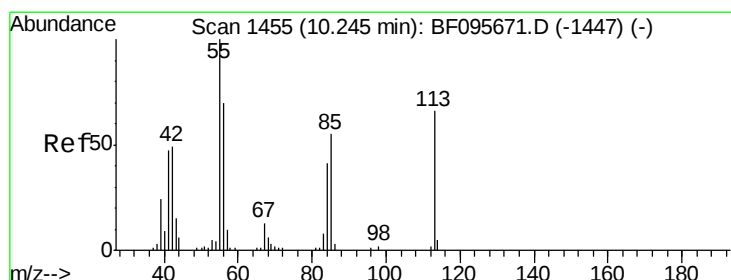
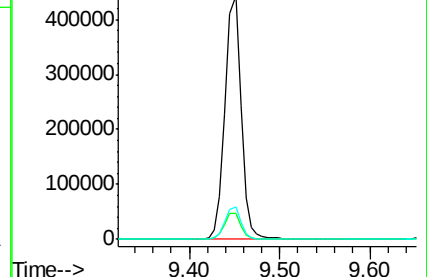
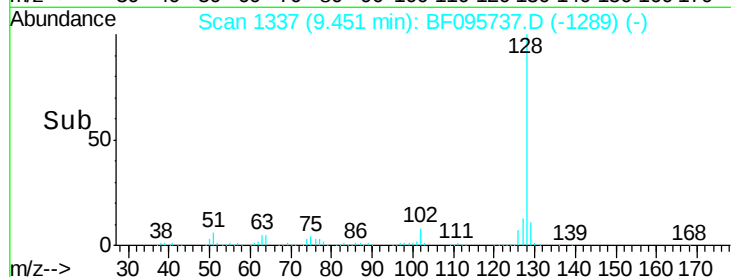
127 13.1 10.8 16.2



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



#35

Caprolactam

Concen: 9.350 ng

RT: 10.23 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

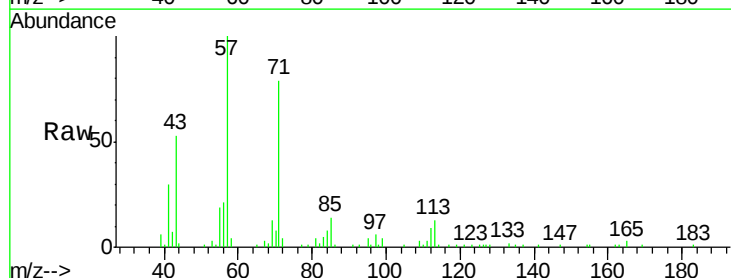
Tgt Ion:113 Resp: 9454

Ion Ratio Lower Upper

113 100

55 144.5 150.2 190.2#

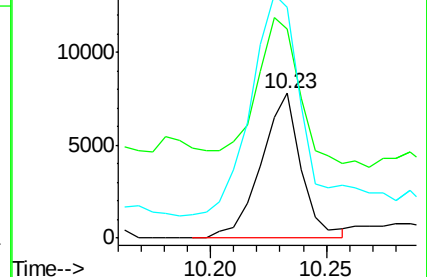
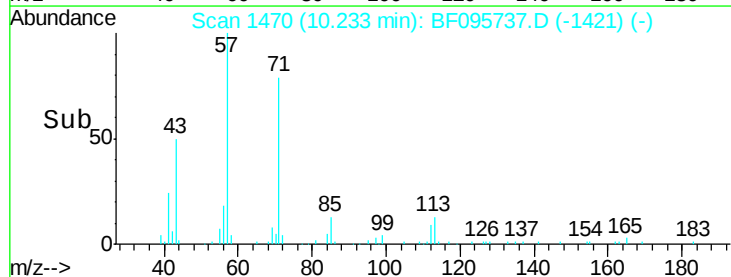
56 158.9 107.8 147.8#

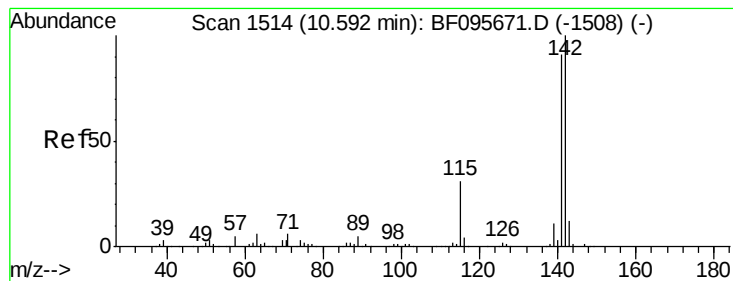


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 10.965 ng

RT: 10.57 min Scan# 1528

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

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E2-S7-BASE

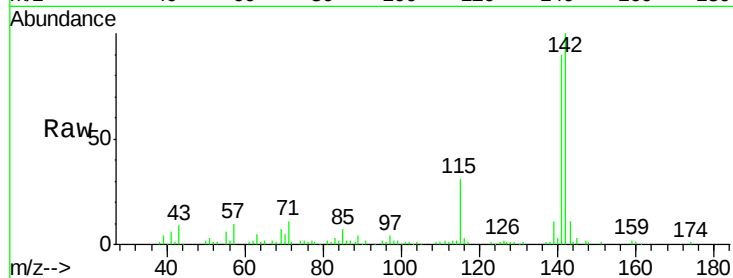
Tgt Ion:142 Resp: 93856

Ion Ratio Lower Upper

142 100

141 89.6 71.3 106.9

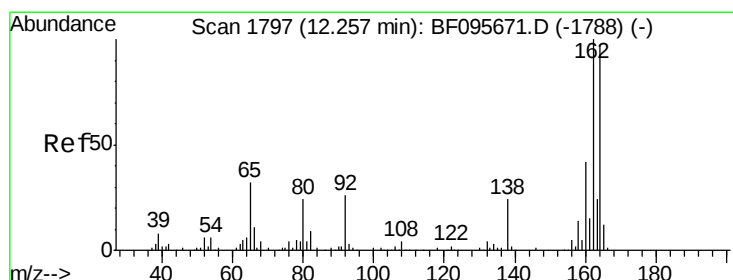
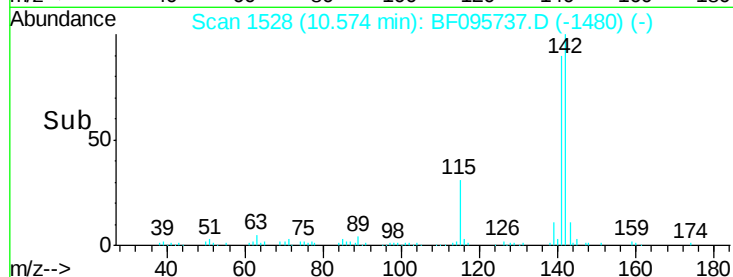
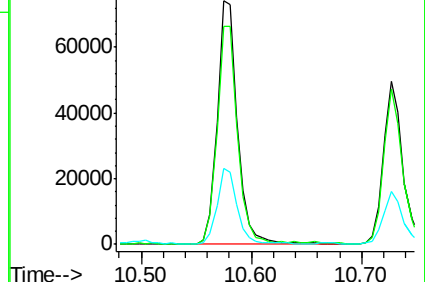
115 30.9 27.1 40.7



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: 20.000 ng

RT: 12.24 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

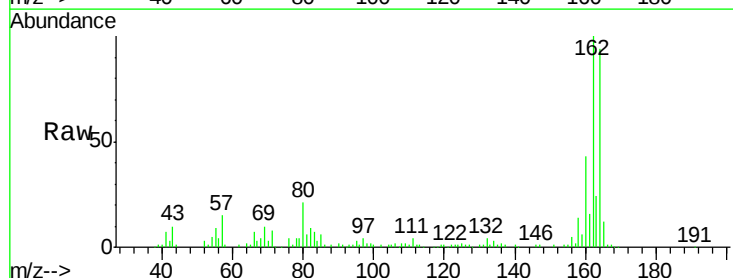
Tgt Ion:164 Resp: 95581

Ion Ratio Lower Upper

164 100

162 106.7 82.6 123.8

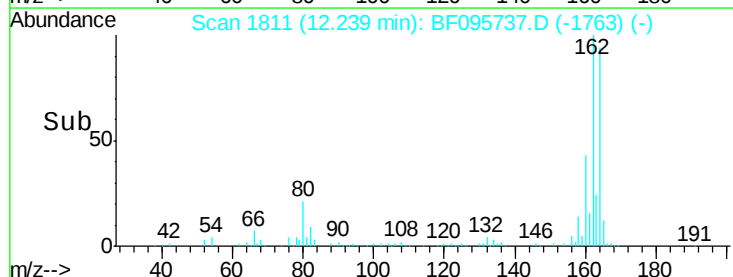
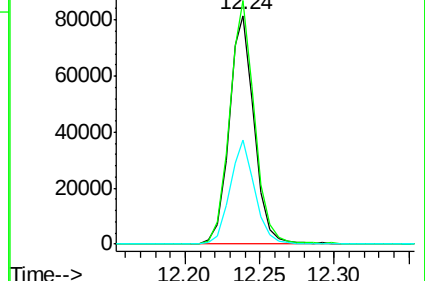
160 45.4 36.2 54.2

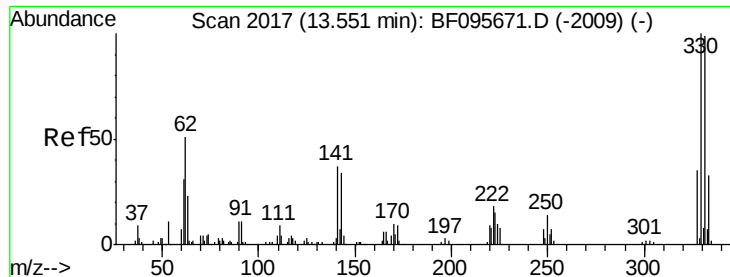


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

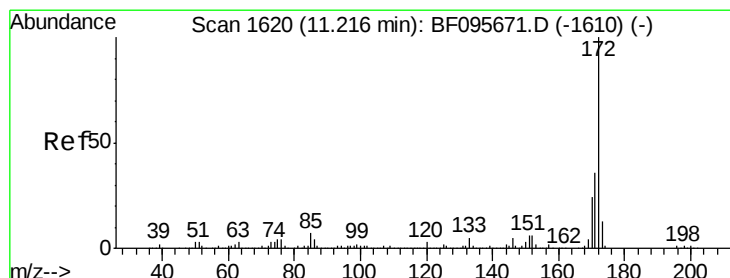
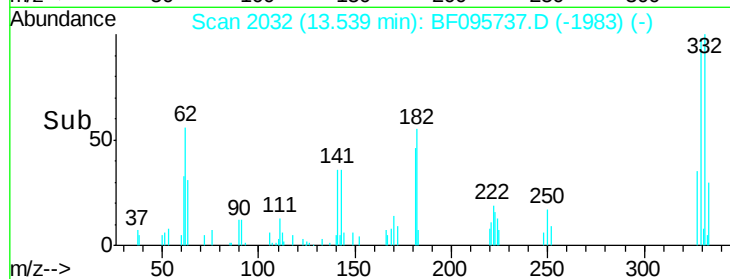
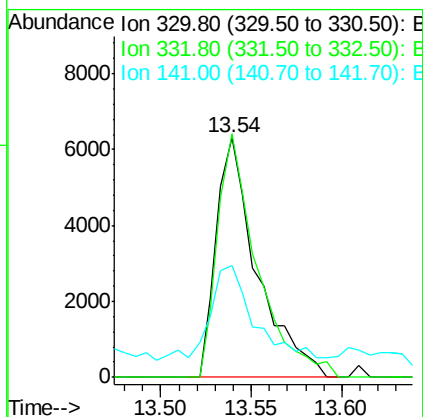
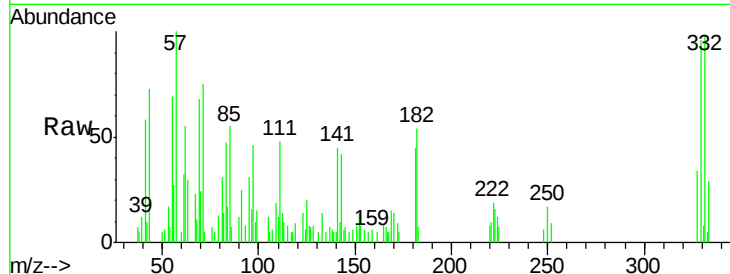




#41
 2,4,6-Tribromophenol
 Concen: 11.676 ng
 RT: 13.54 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

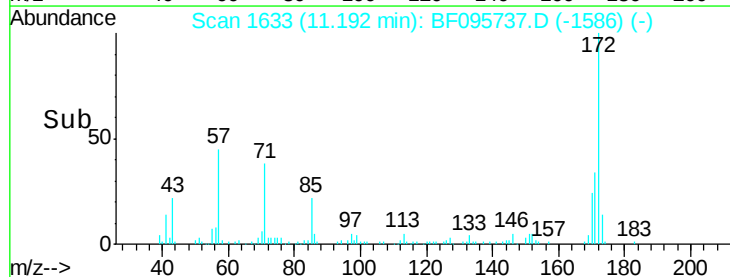
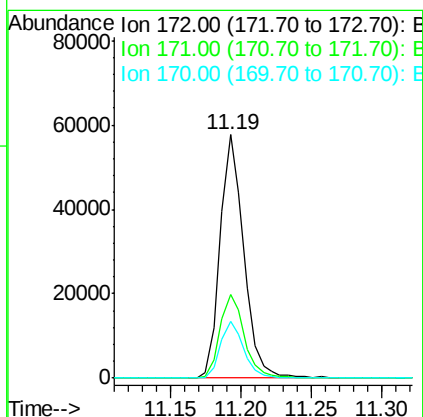
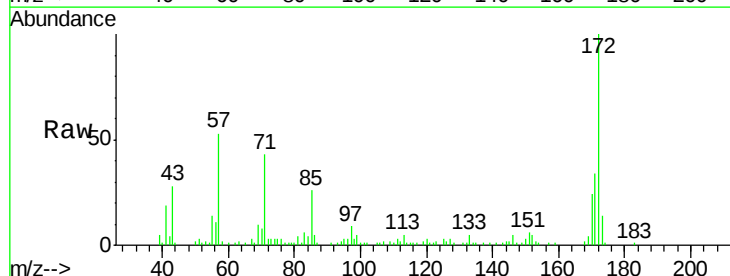
Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

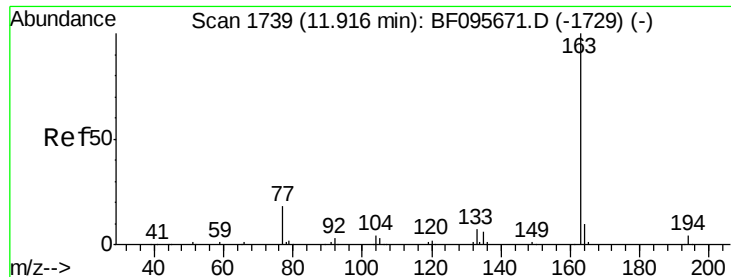
Tgt Ion:330 Resp: 9874
 Ion Ratio Lower Upper
 330 100
 332 99.6 76.6 115.0
 141 48.7 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 9.775 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Tgt Ion:172 Resp: 67138
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 23.5 19.8 29.8





#49

Dimethylphthalate

Concen: 2.168 ng

RT: 11.89 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

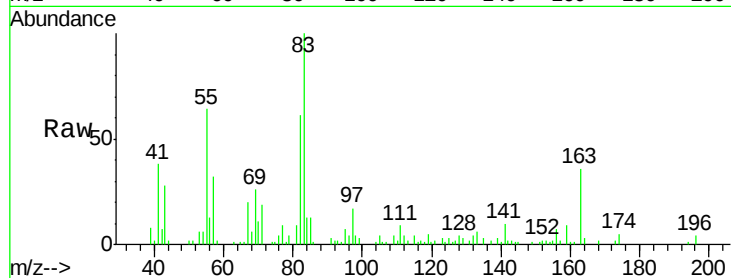
Tgt Ion:163 Resp: 15736

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

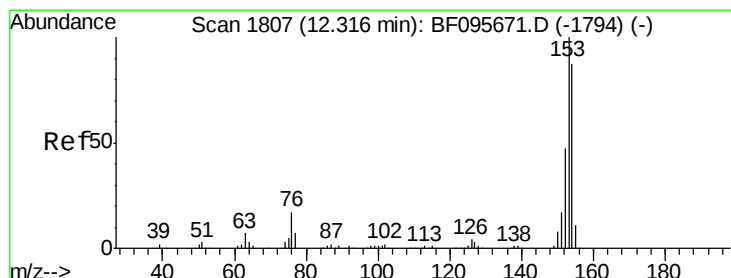
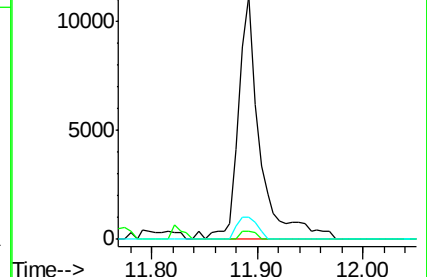
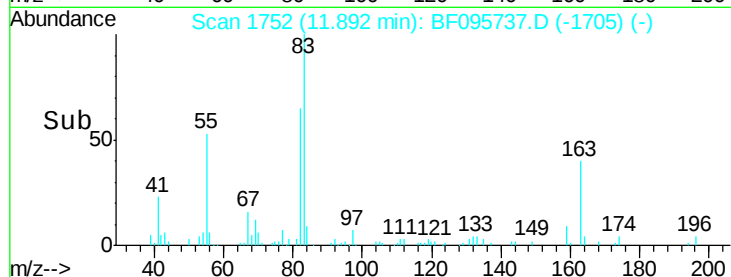
164 9.0 8.4 12.6



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: 5.989 ng

RT: 12.29 min Scan# 1819

Delta R.T. -0.03 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

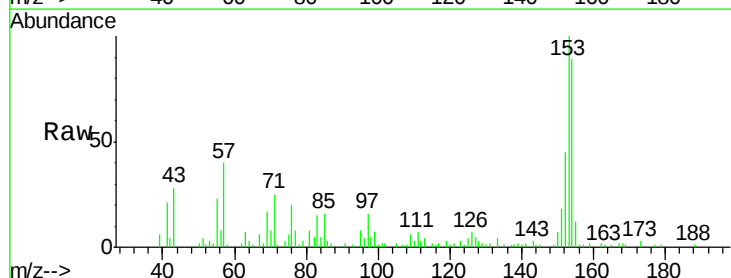
Tgt Ion:154 Resp: 36406

Ion Ratio Lower Upper

154 100

153 112.2 90.5 135.7

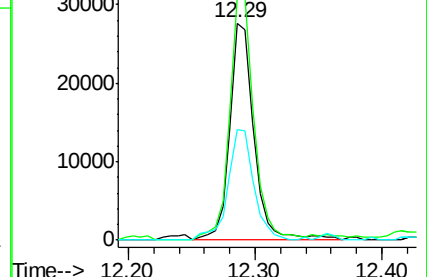
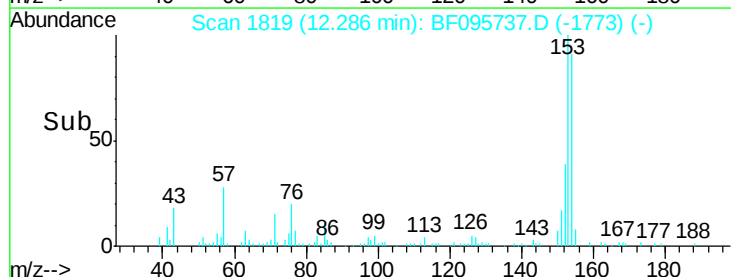
152 50.7 43.6 65.4

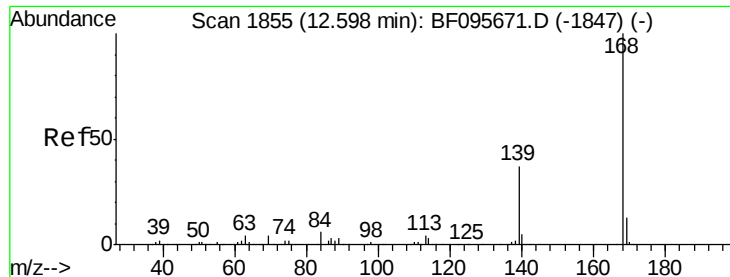


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.144 ng

RT: 12.58 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

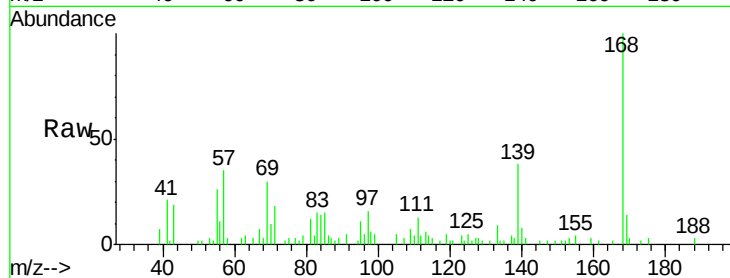
Tgt Ion:168 Resp: 26896

Ion Ratio Lower Upper

168 100

139 38.1 30.6 45.8

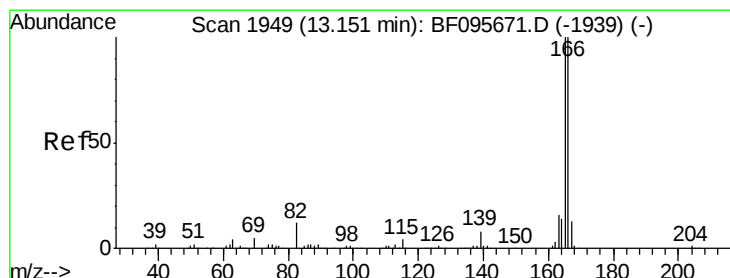
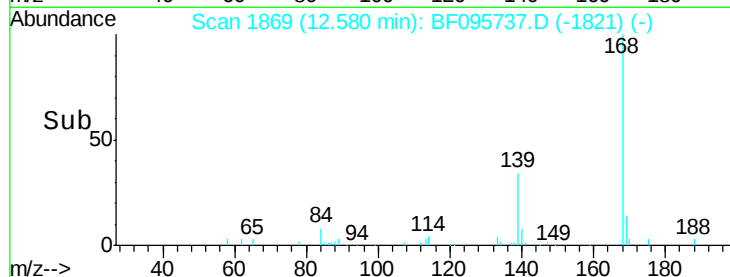
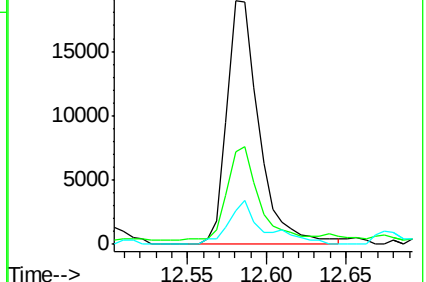
169 13.8 10.8 16.2



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



#57

Fluorene

Concen: 4.437 ng

RT: 13.13 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

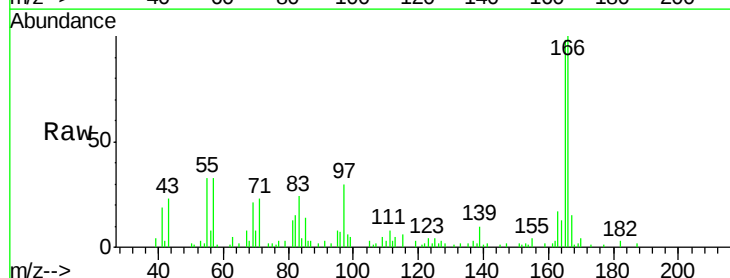
Tgt Ion:166 Resp: 33035

Ion Ratio Lower Upper

166 100

165 97.6 78.8 118.2

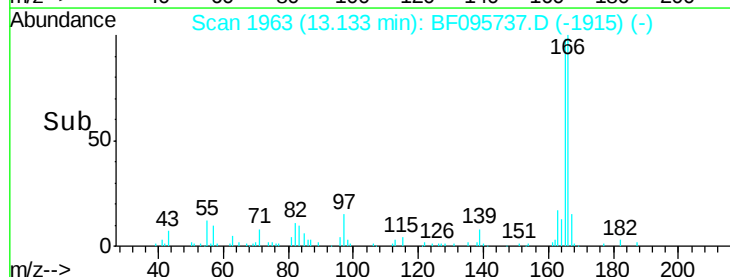
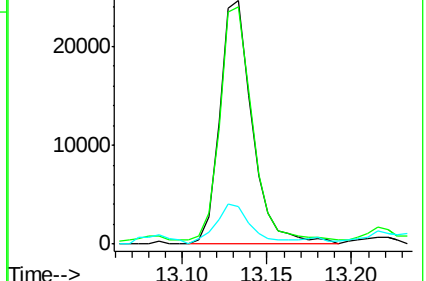
167 15.4 10.6 16.0

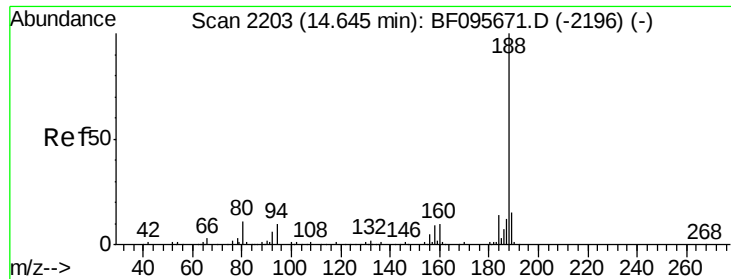


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

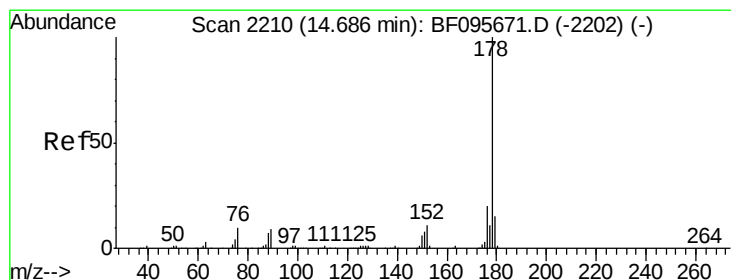
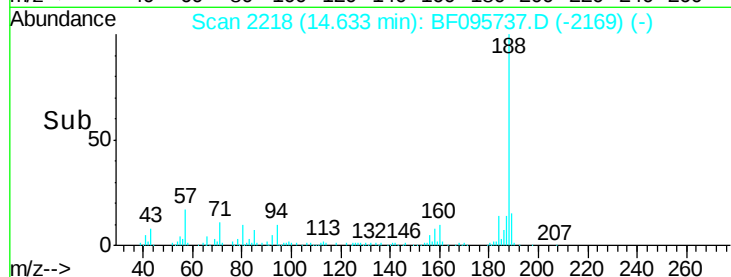
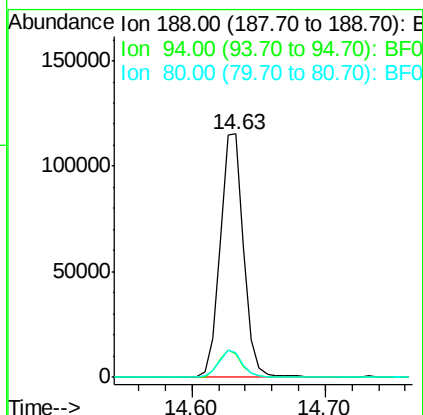
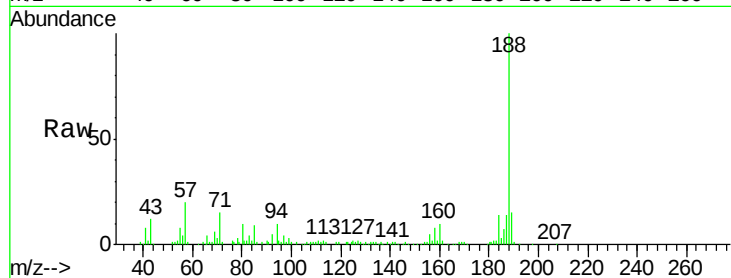




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

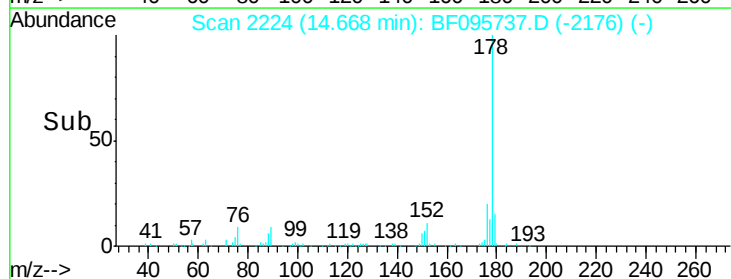
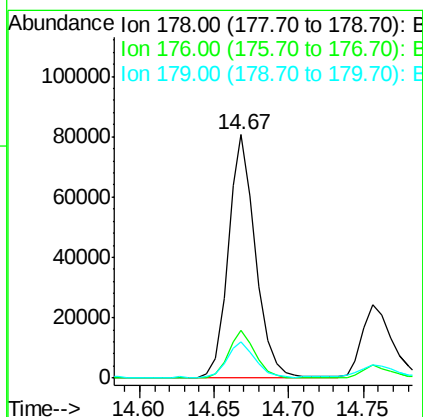
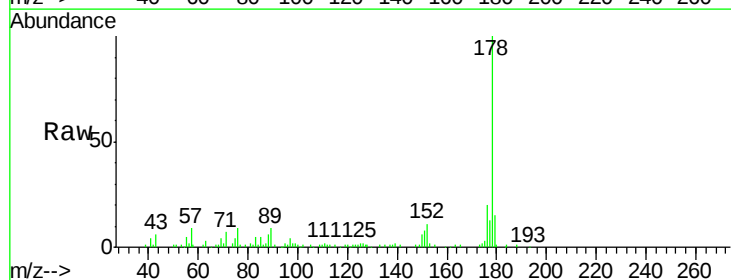
Instrument :
BNA_F
ClientSampleId :
E2-S7-BASE

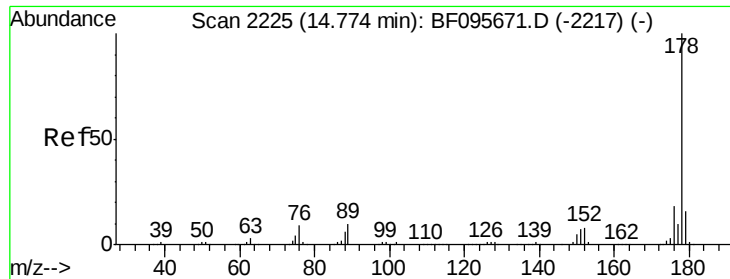
Tgt Ion:188 Resp: 142969
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.1 10.2 15.2#



#70
Phenanthrene
Concen: 12.519 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion:178 Resp: 103272
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.1 12.6 19.0

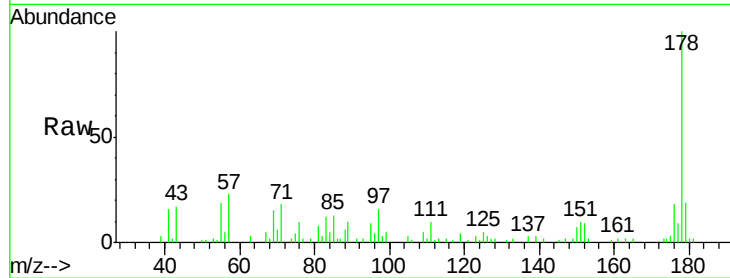




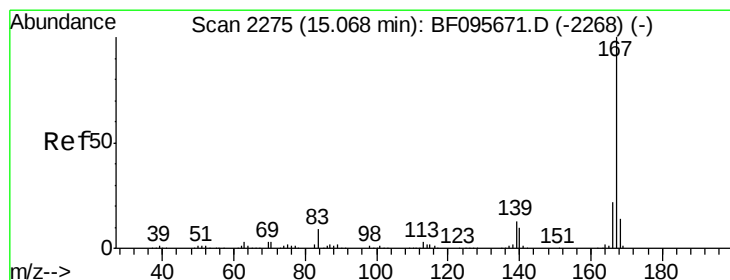
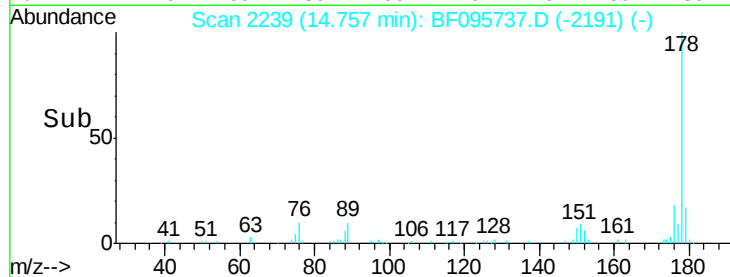
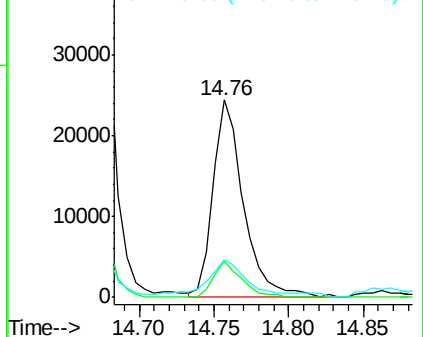
#71
 Anthracene
 Concen: 4.063 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

Tgt Ion:178 Resp: 34993
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 18.7 12.7 19.1

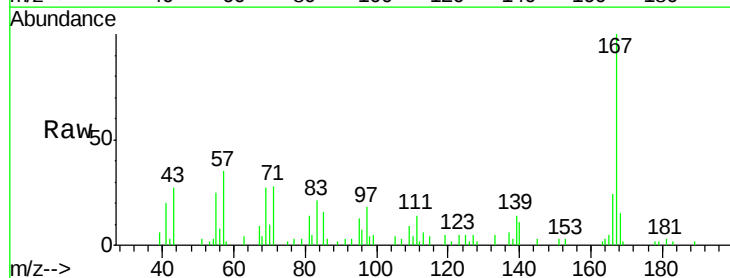


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

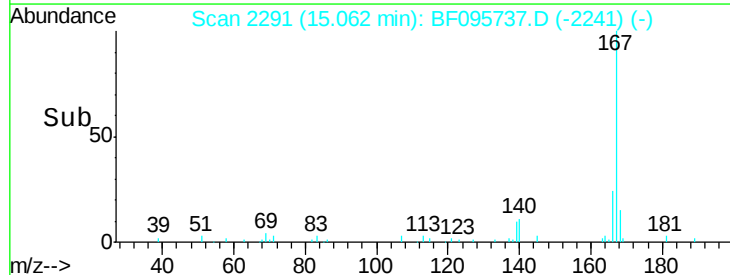
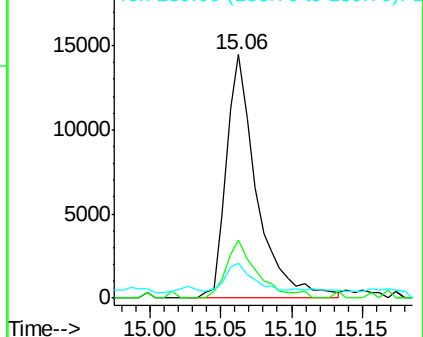


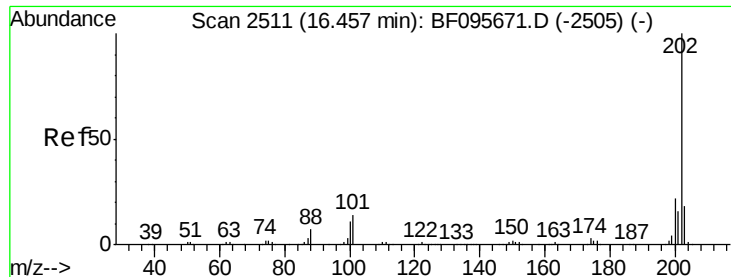
#72
 Carbazole
 Concen: 2.586 ng
 RT: 15.06 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Tgt Ion:167 Resp: 21701
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.1 27.1
 139 14.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

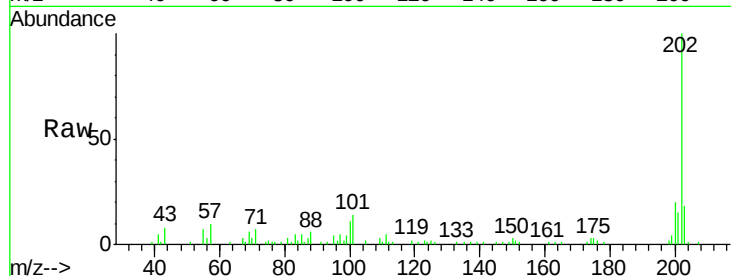




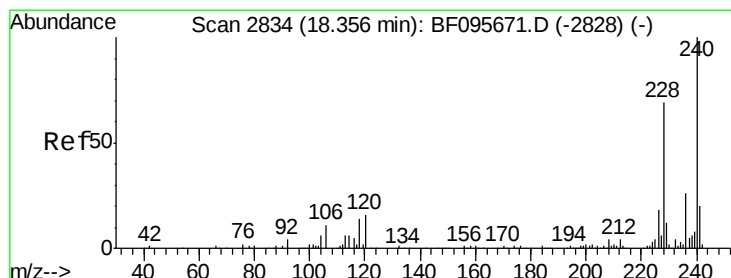
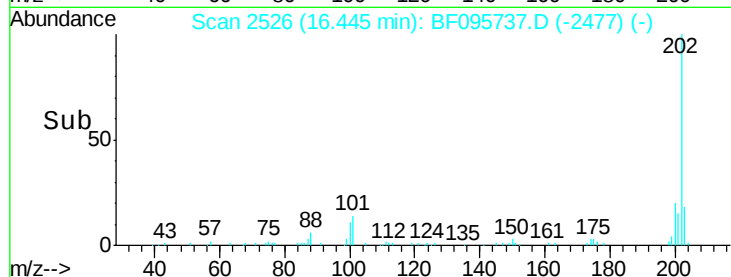
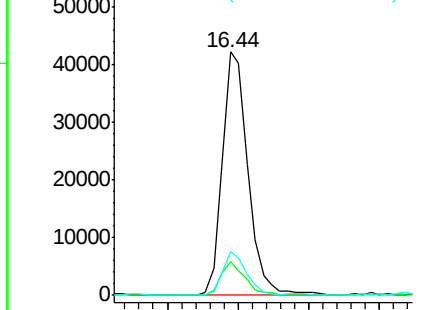
#74
Fluoranthene
Concen: 6.526 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Instrument :
BNA_F
ClientSampled :
E2-S7-BASE

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.2	0.0	38.1

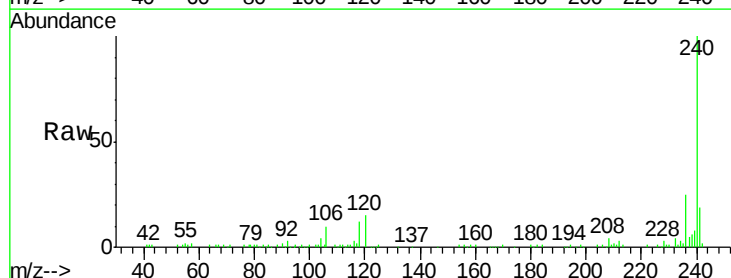


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

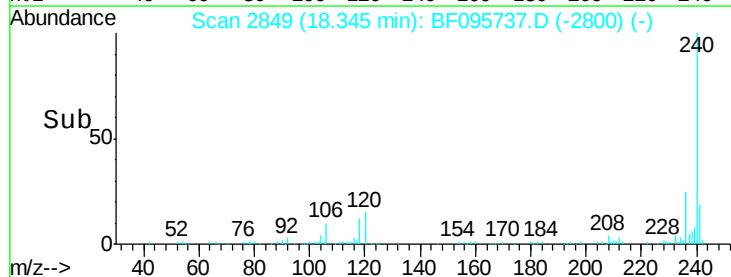
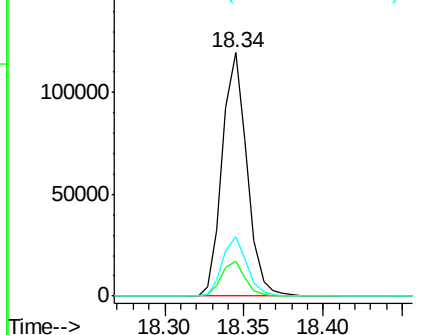


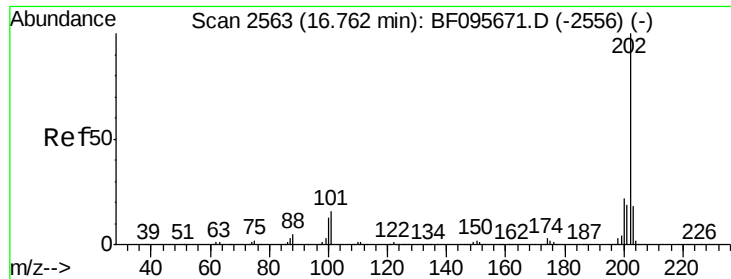
#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.34 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	24.6	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





#77

Pyrene

Concen: 4.181 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

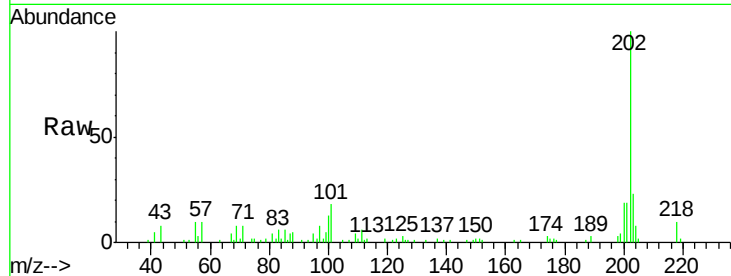
Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

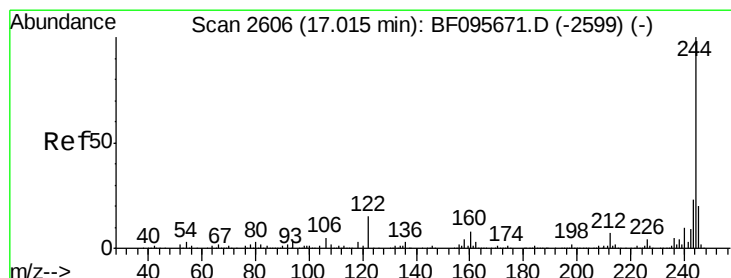
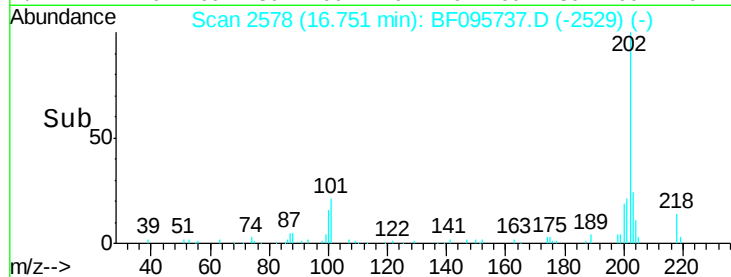
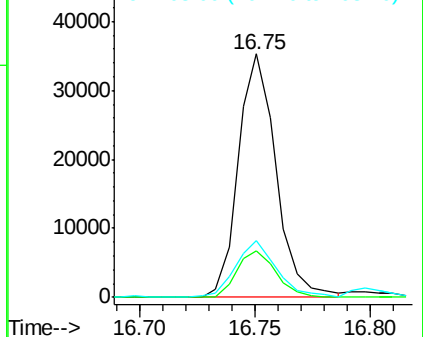
Tgt Ion:	202	Resp:	40227
Ion	Ratio	Lower	Upper
202	100		
200	19.0	17.6	26.4
203	23.2	14.4	21.6#



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: 8.079 ng

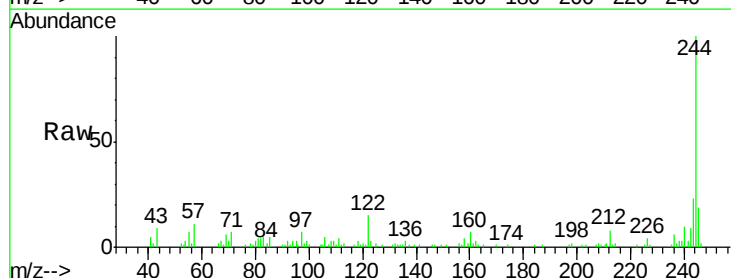
RT: 17.00 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

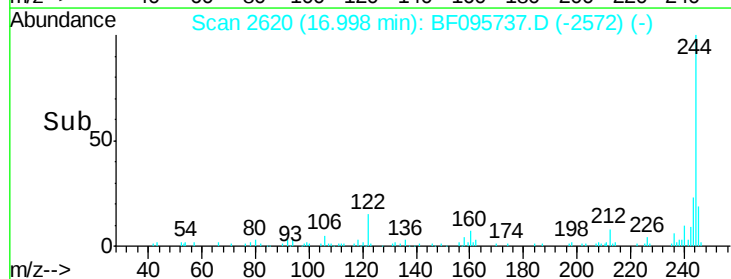
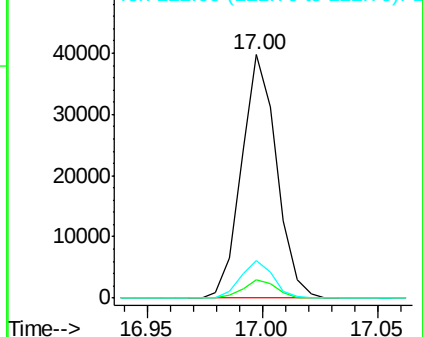
Tgt Ion:	244	Resp:	41979
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.2	10.3	15.5

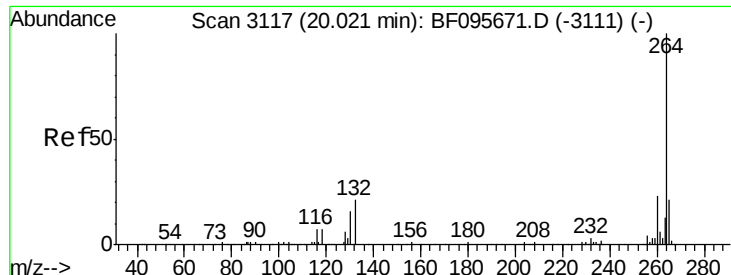


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-S7-BASE

Tgt Ion: 264 Resp: 91174
Ion Ratio Lower Upper
264 100
260 21.1 19.5 29.3
265 21.2 17.2 25.8

