

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095590.D
 Acq On : 1 Jun 2017 7:01
 Operator : SJ/MA
 Sample : I3388-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 07:43:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

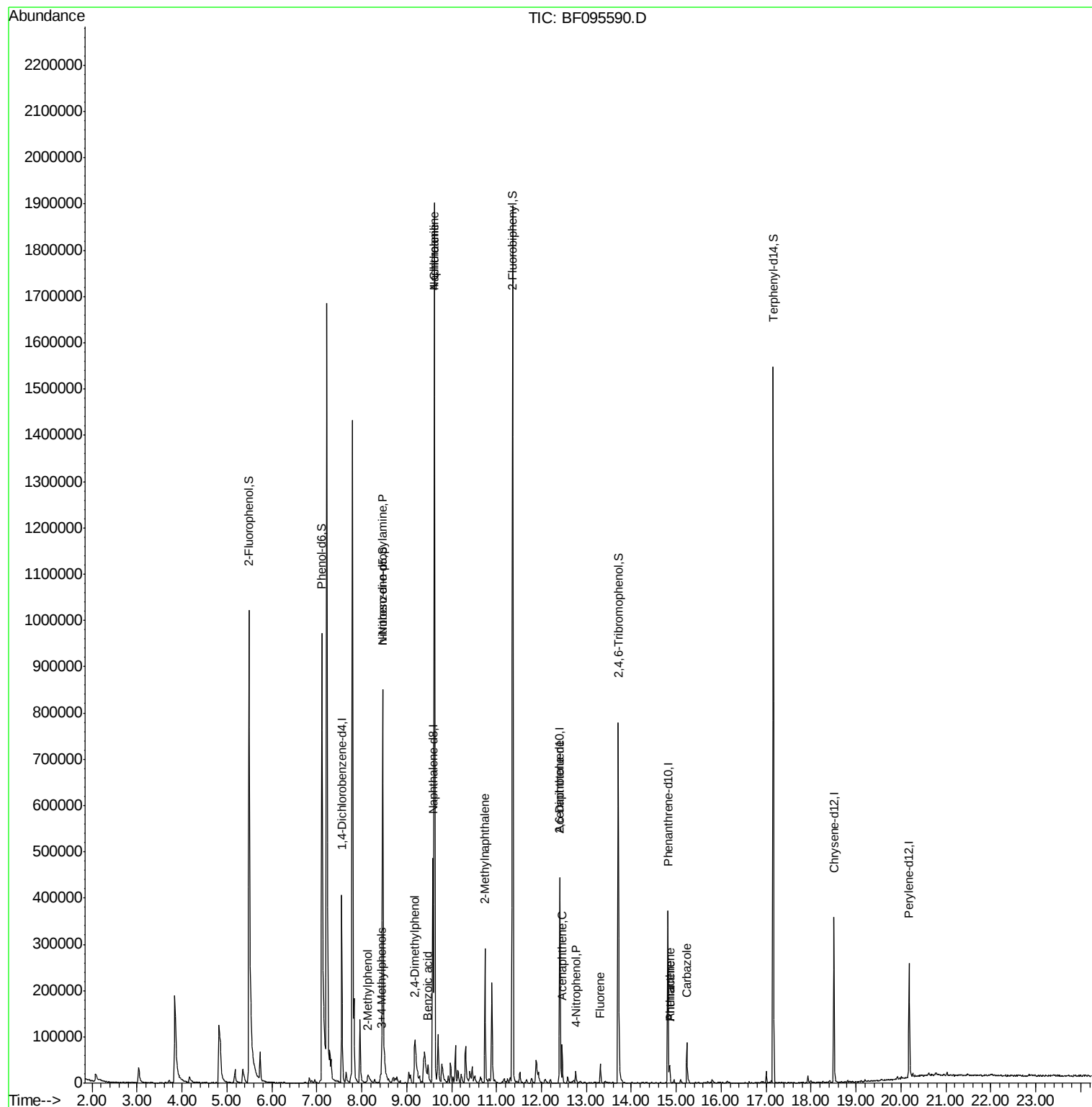
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	92444	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	299295	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	124977	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	192462	20.00	ng	0.00
75) Chrysene-d12	18.51	240	158142	20.00	ng	0.00
86) Perylene-d12	20.18	264	118342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	705196	127.18	ng	0.03
7) Phenol-d6	7.11	99	806166	121.17	ng	0.00
23) Nitrobenzene-d5	8.47	82	430453	90.69	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	136351	133.22	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	854938	98.46	ng	0.00
78) Terphenyl-d14	17.16	244	577749	80.47	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	8.14	107	15236	2.95	ng	89
19) n-Nitroso-di-n-propylamine	8.47	70	55019	12.23	ng	# 75
20) 3+4-Methylphenols	8.42	107	22029	3.14	ng	# 57
27) 2,4-Dimethylphenol	9.17	122	18755	4.32	ng	94
31) Naphthalene	9.62	128	1213157	80.65	ng	99
32) Benzoic acid	9.48	122	14552	9.65	ng	# 13
33) 4-Chloroaniline	9.62	127	163100	29.09	ng	# 34
37) 2-Methylnaphthalene	10.74	142	115356	11.68	ng	97
50) 2,6-Dinitrotoluene	12.41	165	15790	7.54	ng	# 31
51) Acenaphthene	12.46	154	28250	3.55	ng	98
55) 4-Nitrophenol	12.76	139	5980	4.43	ng	# 25
57) Fluorene	13.31	166	19693	2.06	ng	# 92
70) Phenanthrene	14.85	178	26595	2.40	ng	99
71) Anthracene	14.85	178	26595	2.35	ng	99
72) Carbazole	15.24	167	67244	6.54	ng	# 93

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095590.D
Acq On : 1 Jun 2017 7:01
Operator : SJ/MA
Sample : I3388-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 01 07:43:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 04:09:22 2017
Response via : Initial Calibration

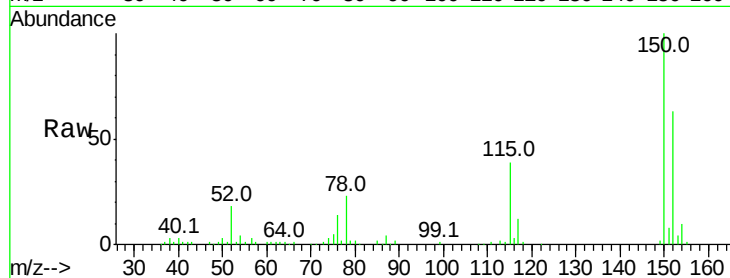




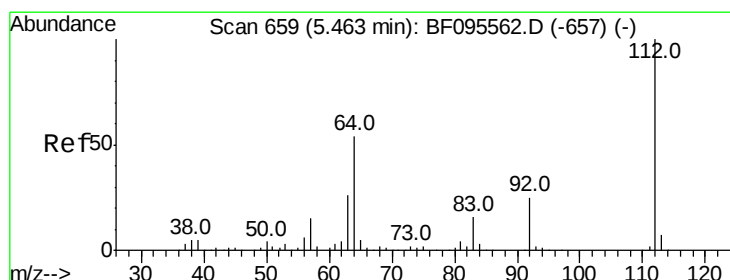
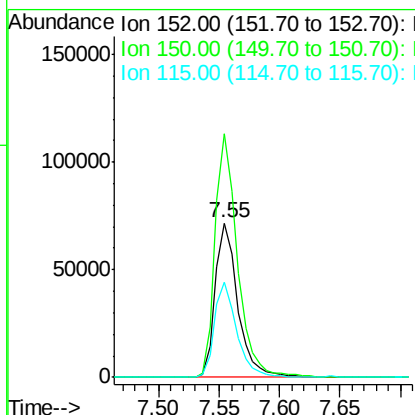
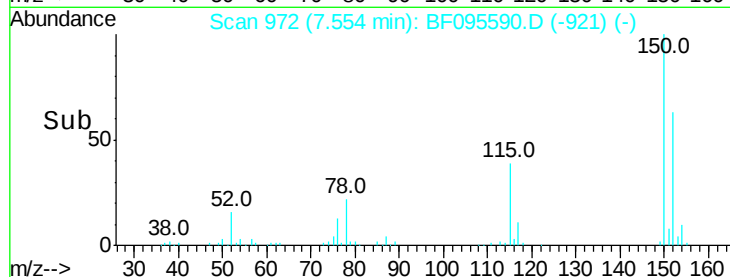
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.55 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 92444
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.2 189.2
 115 61.7 52.2 78.2

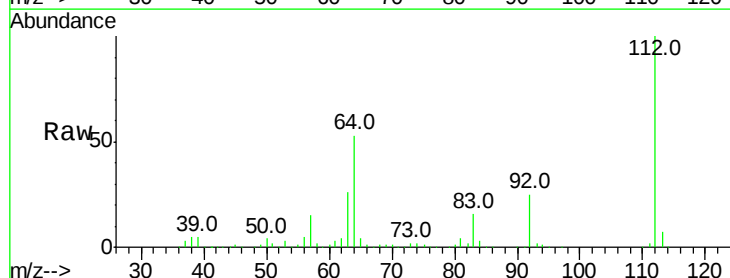


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

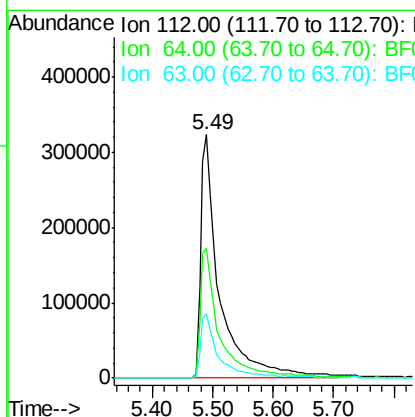
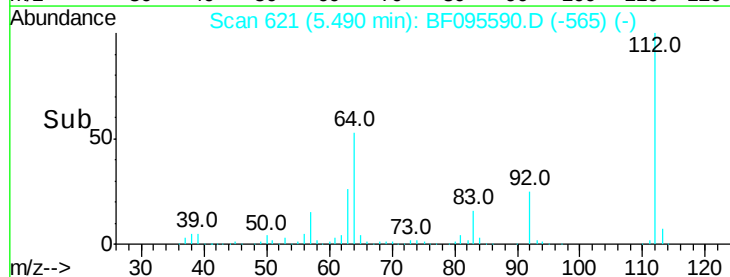


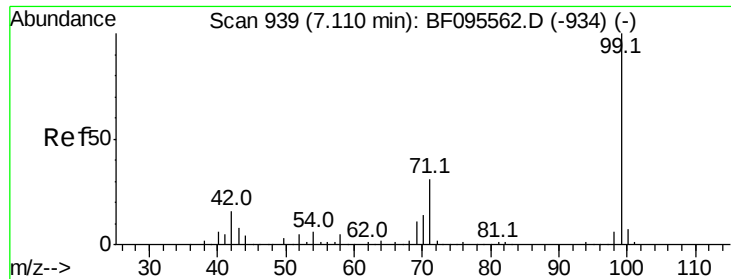
#5
 2-Fluorophenol
 Concen: 127.18 ng
 RT: 5.49 min Scan# 621
 Delta R.T. 0.03 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Tgt Ion:112 Resp: 705196
 Ion Ratio Lower Upper
 112 100
 64 53.4 46.0 69.0
 63 26.4 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: 121.17 ng

RT: 7.11 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

Instrument :

BNA_F

ClientSampleId :

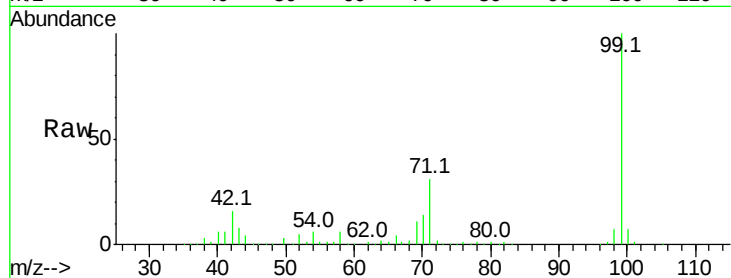
Tot Ion: 99 Resp: 806166

Ion Ratio Lower Upper

99 100

42 16.4 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

400000

300000

200000

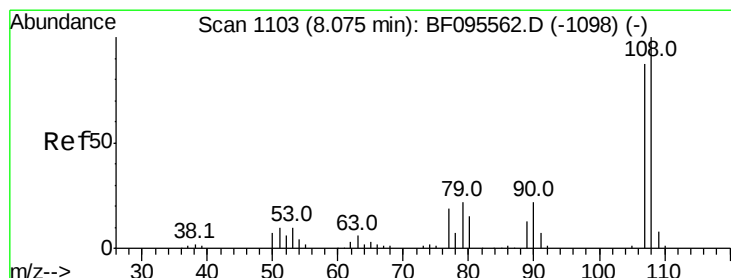
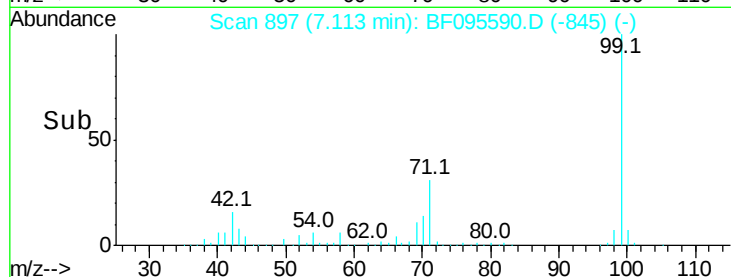
100000

0

7.11

7.00 7.20 7.40

Time-->



#17

2-Methylphenol

Concen: 2.95 ng

RT: 8.14 min Scan# 1071

Delta R.T. 0.06 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

Tgt Ion:107 Resp: 15236

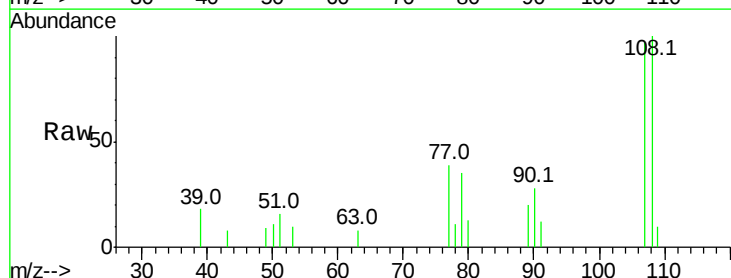
Ion Ratio Lower Upper

107 100

108 102.6 93.4 140.0

77 39.6 35.8 53.6

79 36.2 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

6000

5000

4000

3000

2000

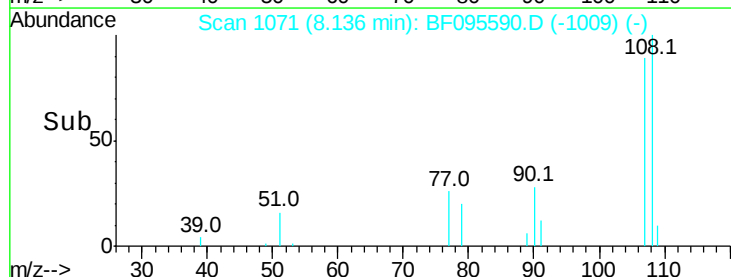
1000

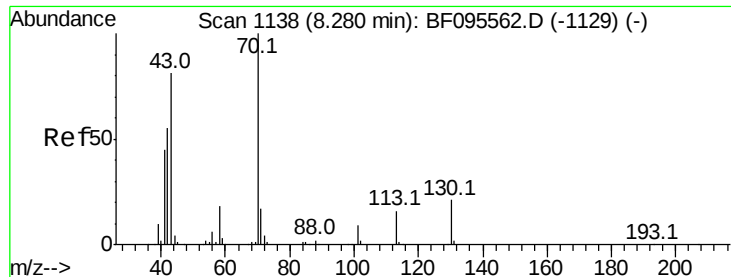
0

8.14

8.10 8.20 8.30

Time-->

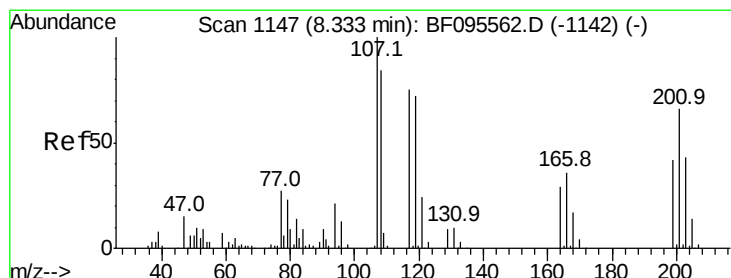
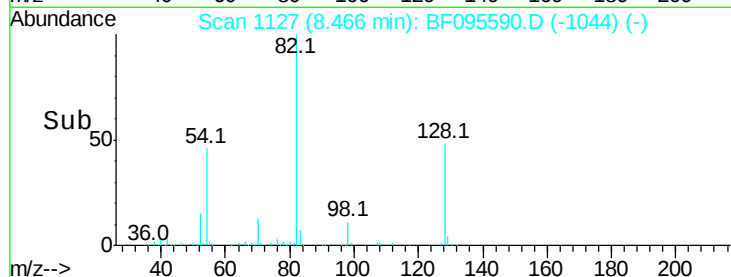
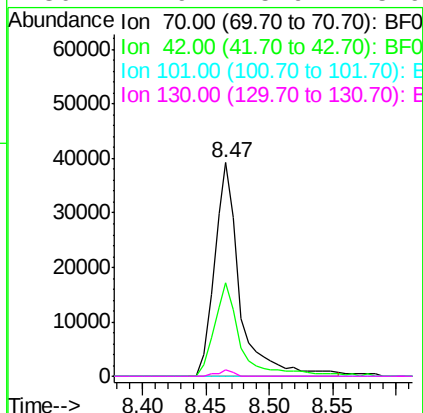
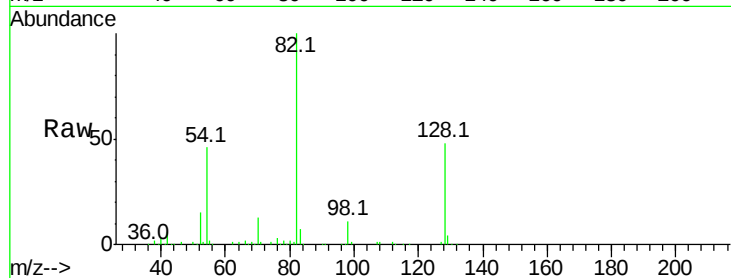




#19
n-Nitroso-di-n-propylamine
Concen: 12.23 ng
RT: 8.47 min Scan# 1127
Delta R.T. 0.19 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

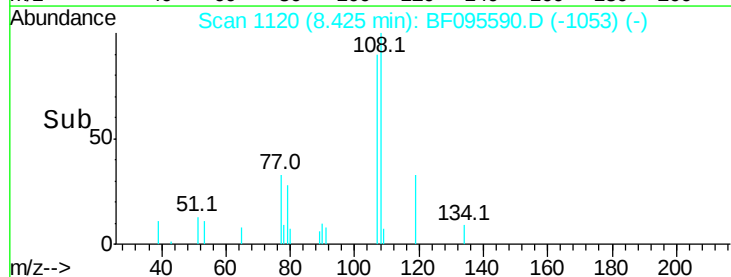
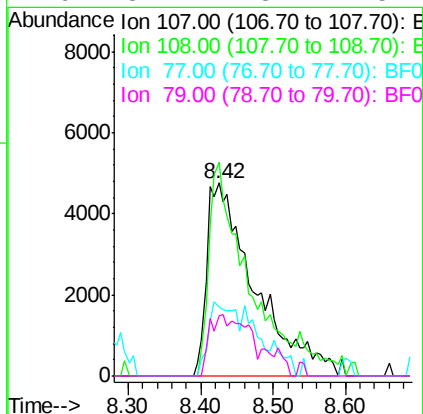
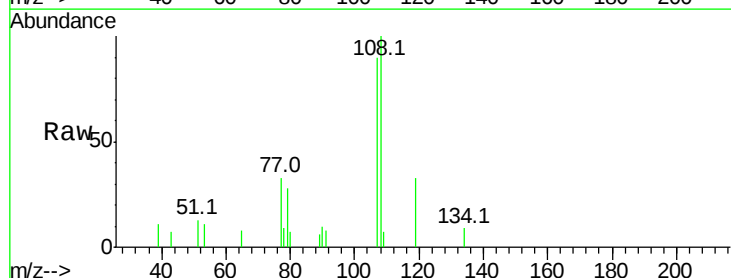
Instrument :
BNA_F
ClientSampleId :

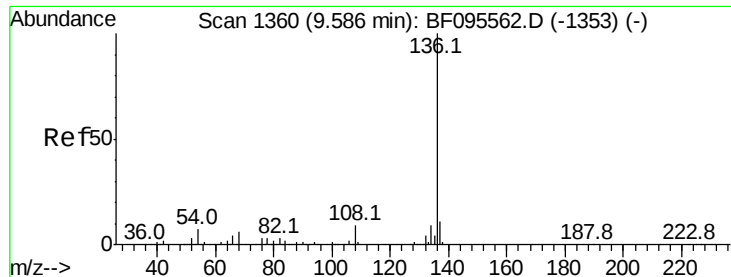
Tot Ion: 70 Resp: 55019
Ion Ratio Lower Upper
70 100
42 43.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.9 15.9 23.9#



#20
3+4-Methylphenols
Concen: 3.14 ng
RT: 8.42 min Scan# 1120
Delta R.T. 0.09 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Tgt Ion:107 Resp: 22029
Ion Ratio Lower Upper
107 100
108 110.8 71.0 111.0
77 36.1 90.5 130.5#
79 31.2 8.4 48.4

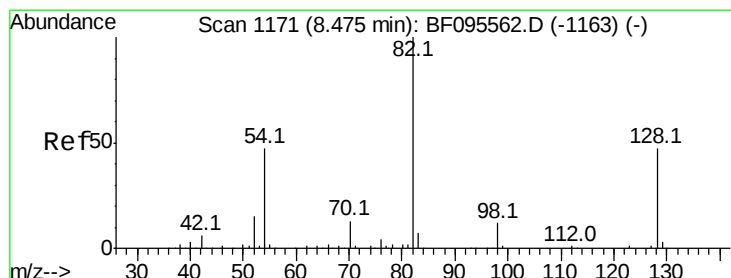
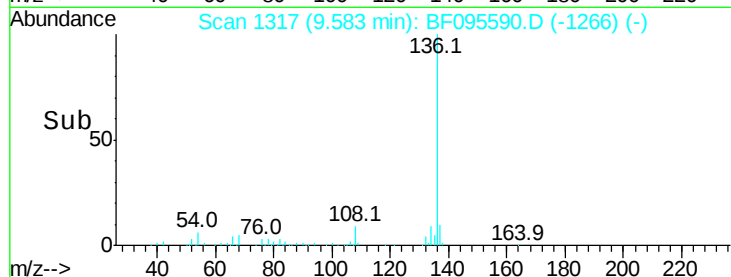
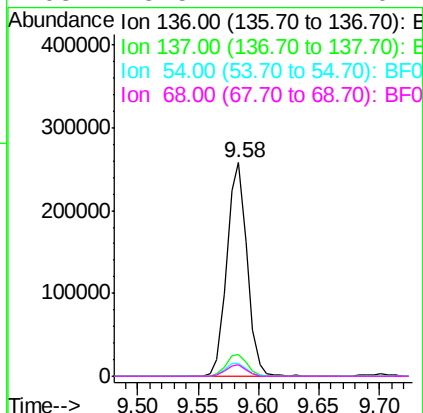
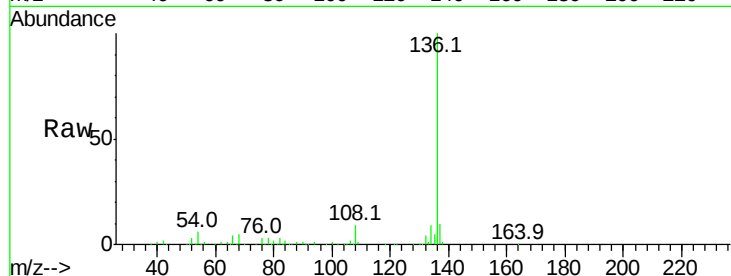




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.58 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

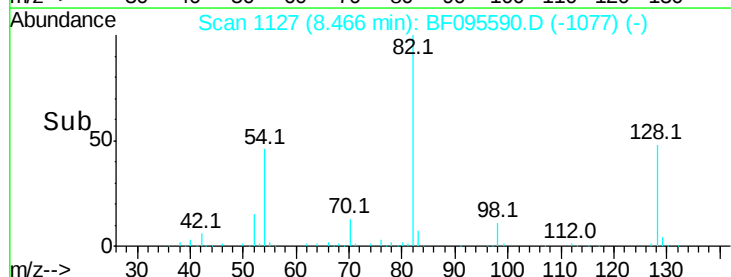
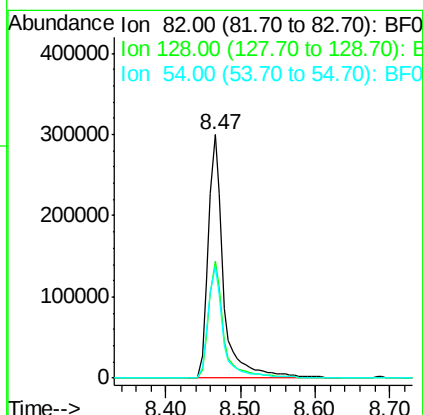
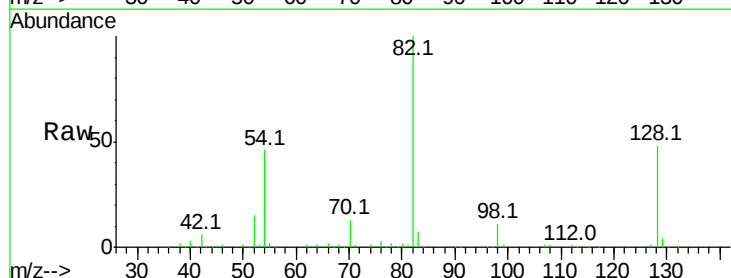
Instrument :
BNA_F
ClientSampleId :

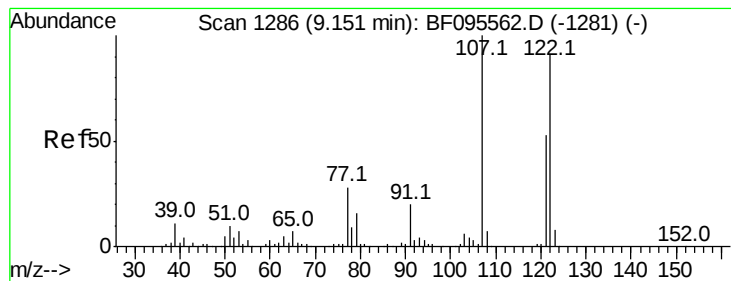
Tot Ion:136	Resp:	299295
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.5 12.7
54	6.2	4.9 7.3
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 90.69 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Tgt Ion: 82	Resp:	430453
Ion Ratio	Lower	Upper
82	100	
128	48.0	34.0 51.0
54	45.7	42.2 63.2





#27

2,4-Dimethylphenol

Concen: 4.32 ng

RT: 9.17 min Scan# 1247

Delta R.T. 0.02 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

Instrument :

BNA_F

ClientSampleId :

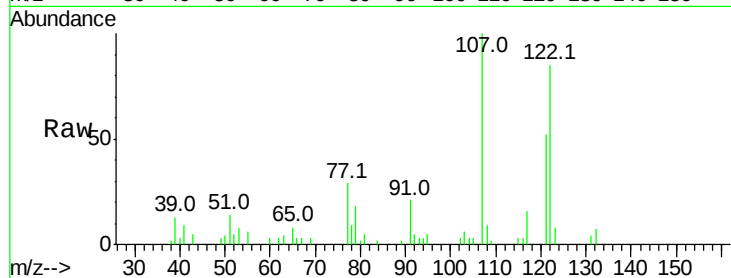
Tot Ion:122 Resp: 18755

Ion Ratio Lower Upper

122 100

107 117.8 89.2 133.8

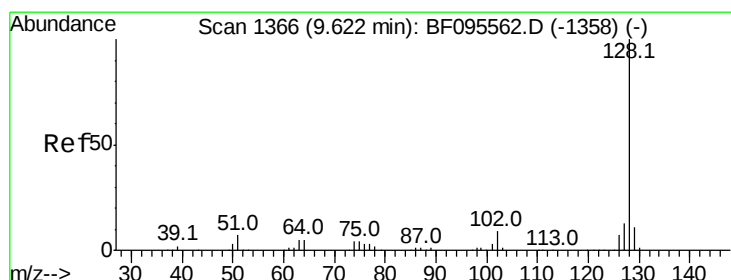
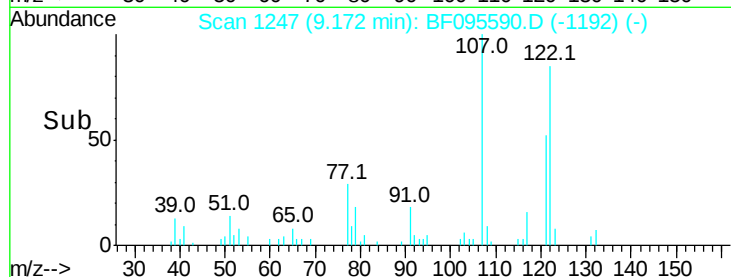
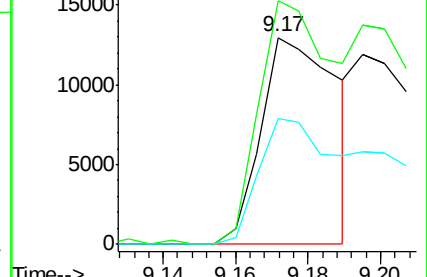
121 61.1 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 80.65 ng

RT: 9.62 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

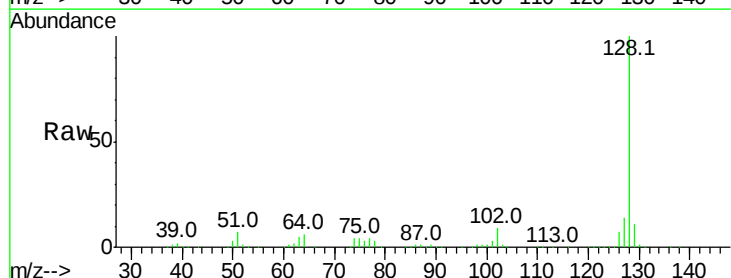
Tgt Ion:128 Resp: 1213157

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

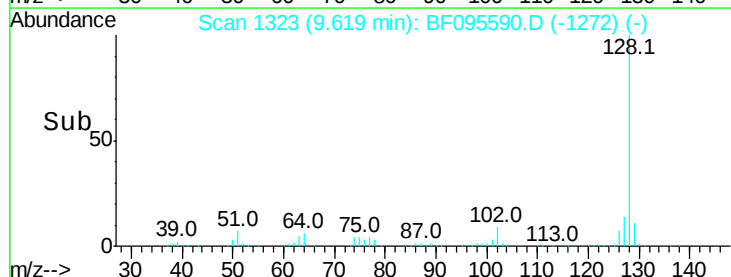
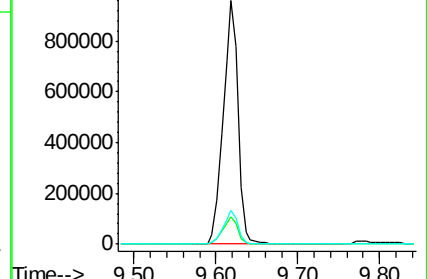
127 13.7 10.8 16.2

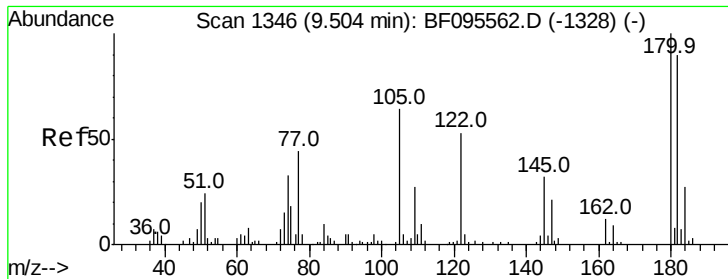


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

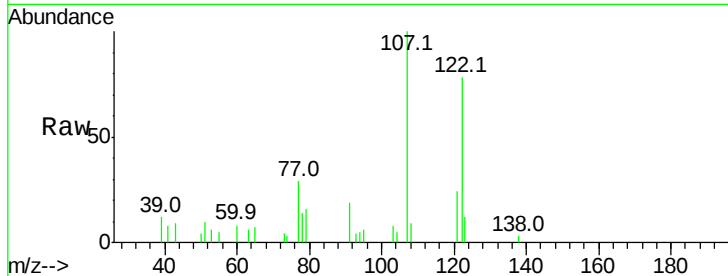




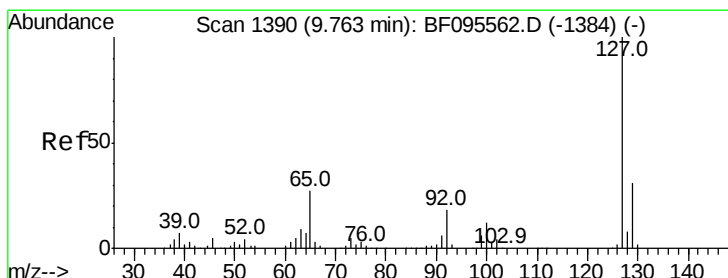
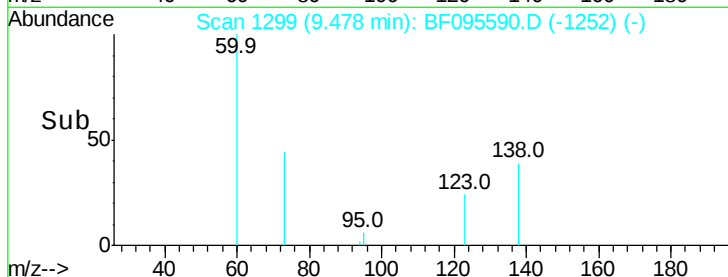
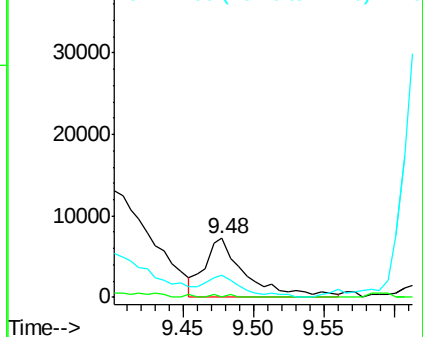
#32
Benzoic acid
Concen: 9.65 ng
RT: 9.48 min Scan# 1299
Delta R.T. -0.03 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 14552
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 37.3 73.7 113.7#

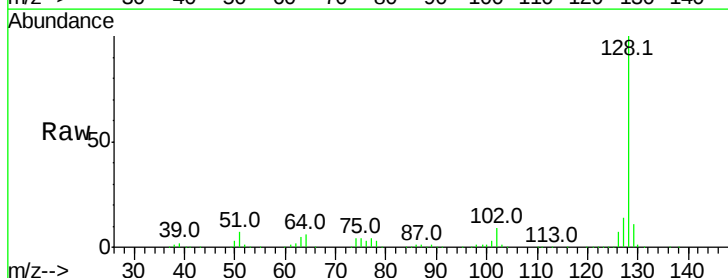


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

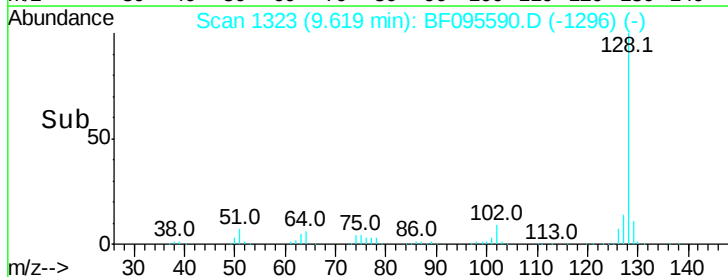
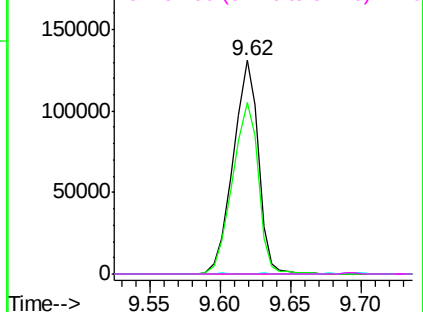


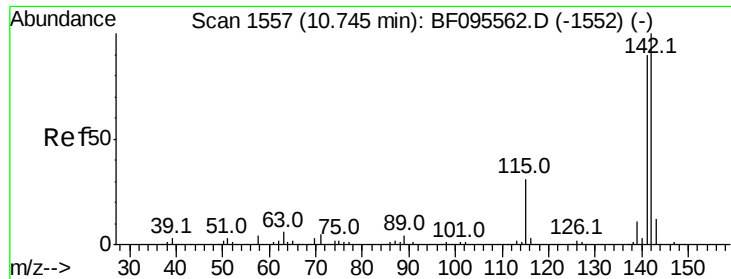
#33
4-Chloroaniline
Concen: 29.09 ng
RT: 9.62 min Scan# 1323
Delta R.T. -0.14 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Tgt Ion:127 Resp: 163100
Ion Ratio Lower Upper
127 100
129 80.3 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

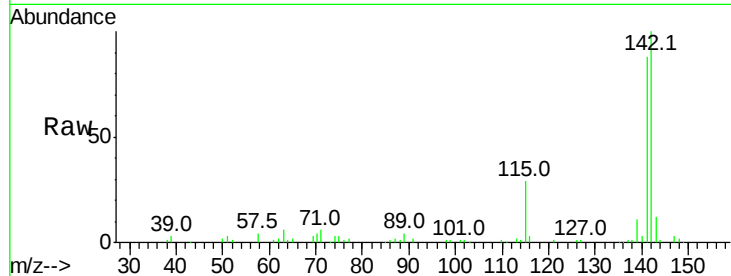




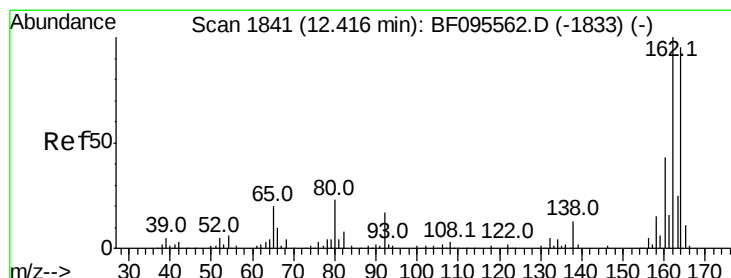
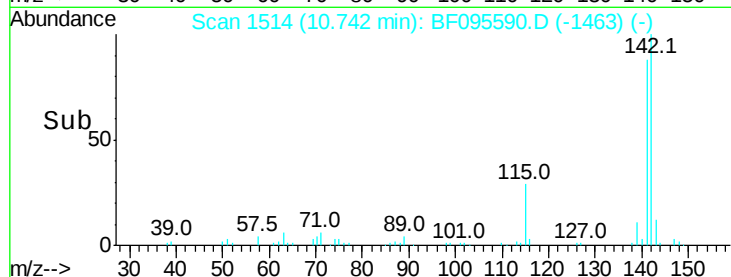
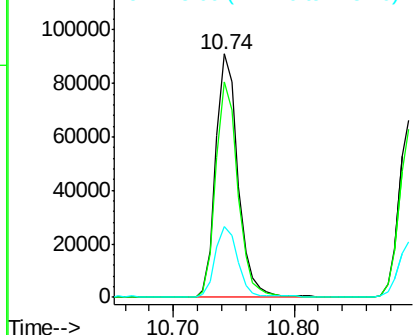
#37
2-Methylnaphthalene
Concen: 11.68 ng
RT: 10.74 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 115356
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9
115 28.9 27.1 40.7

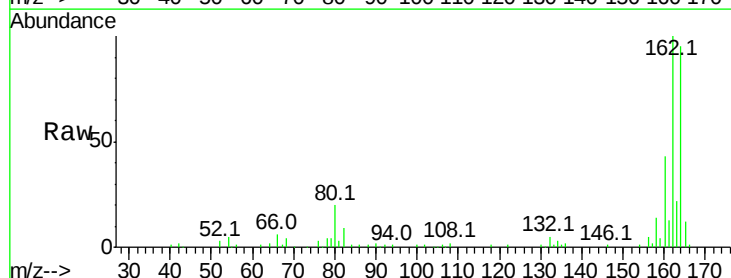


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

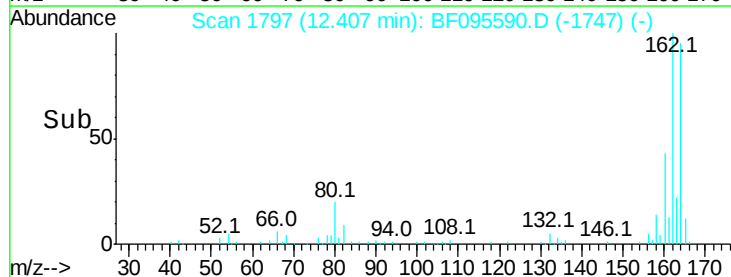
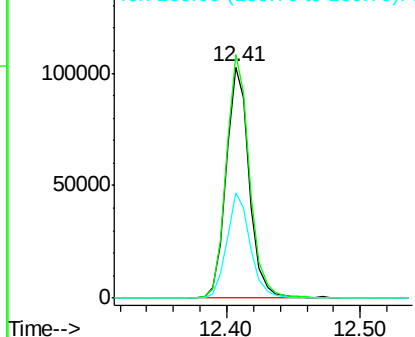


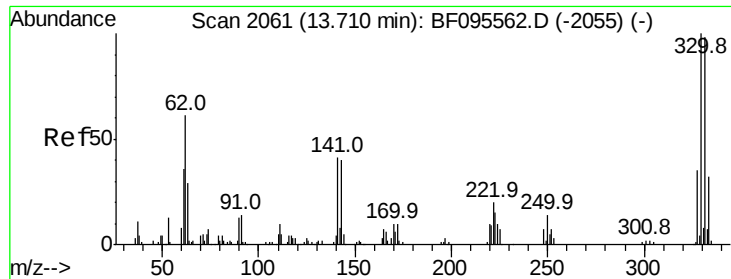
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Tgt Ion:164 Resp: 124977
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 45.9 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

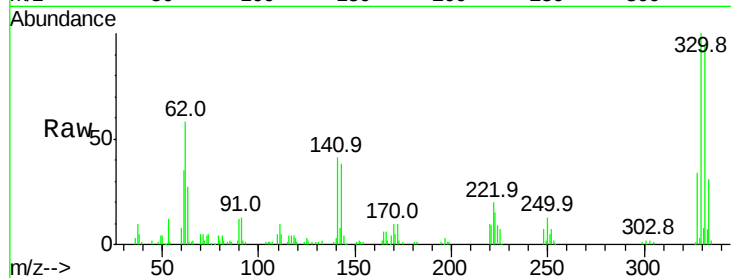




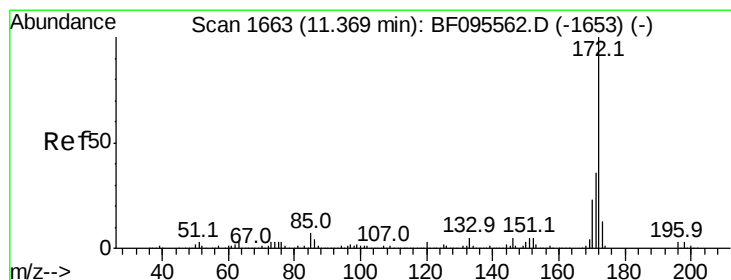
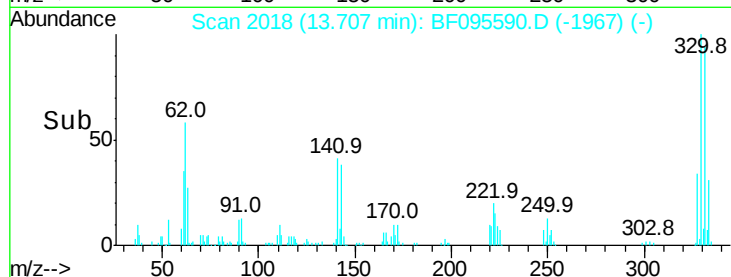
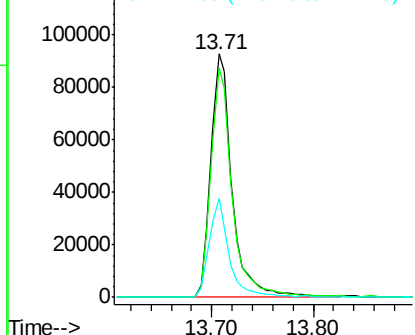
#41
 2,4,6-Tribromophenol
 Concen: 133.22 ng
 RT: 13.71 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136351
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.6 115.0
 141 38.0 31.4 47.2

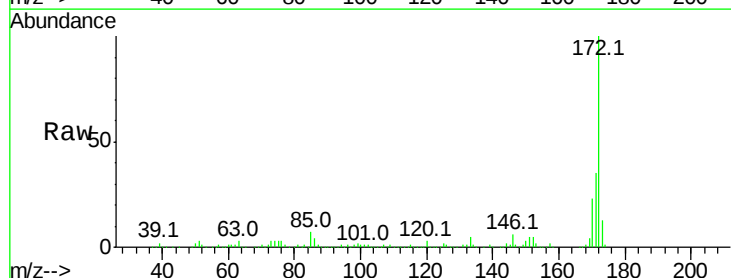


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

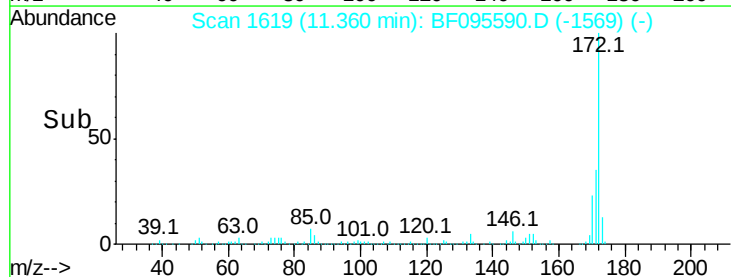
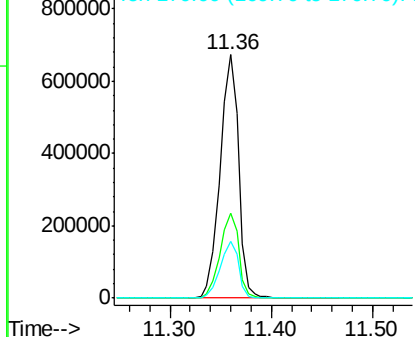


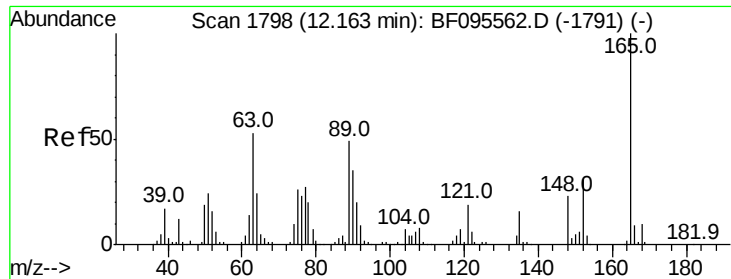
#44
 2-Fluorobiphenyl
 Concen: 98.46 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Tgt Ion:172 Resp: 854938
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.2 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

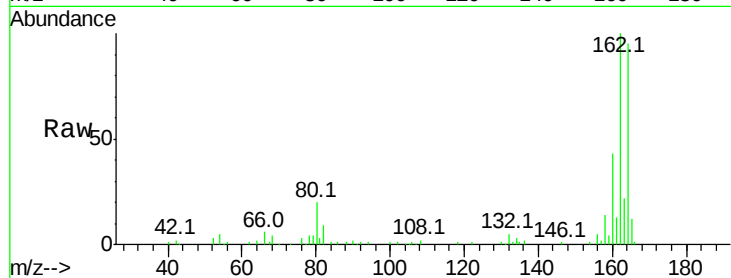




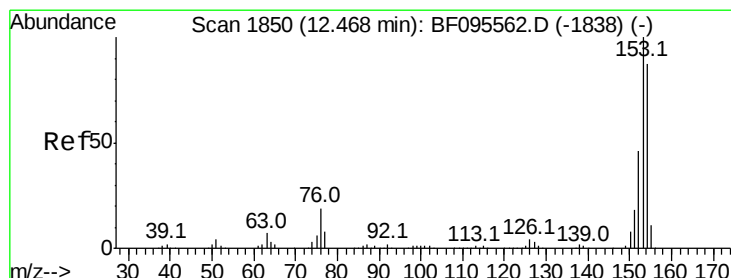
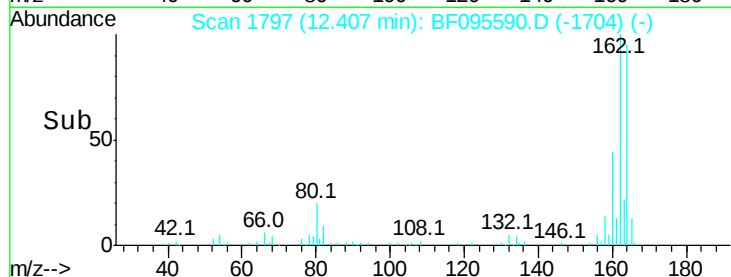
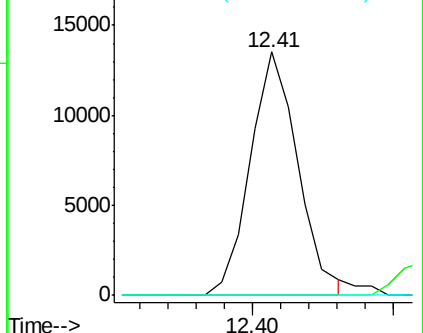
#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 12.41 min Scan# 1797
 Delta R.T. 0.24 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

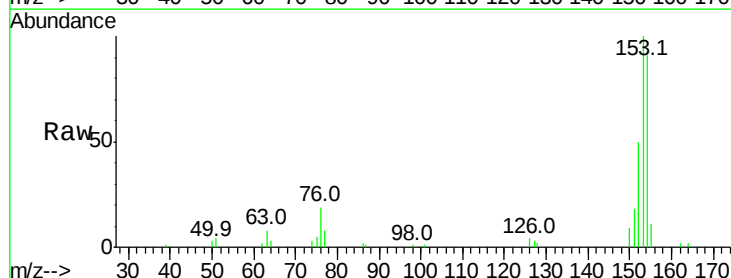


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

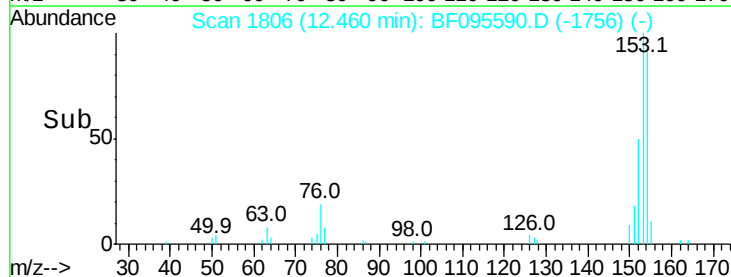
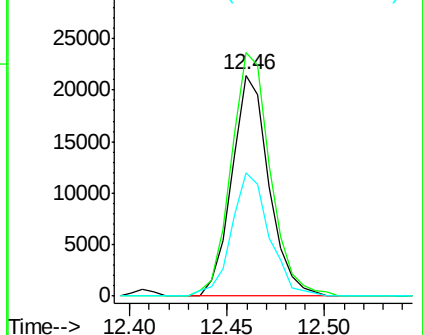


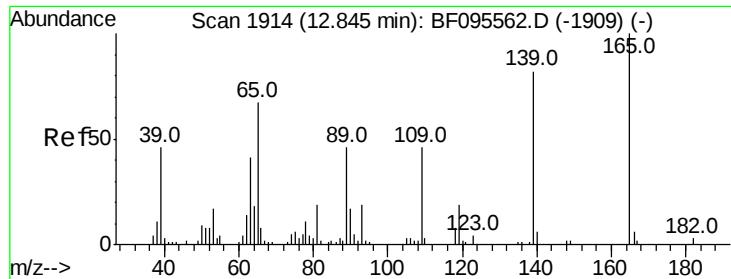
#51
 Acenaphthene
 Concen: 3.55 ng
 RT: 12.46 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.3	90.5	135.7
152	55.6	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

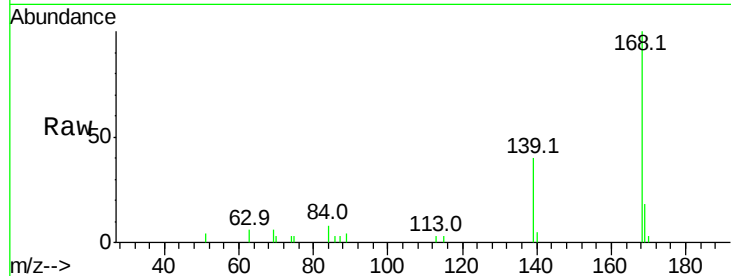




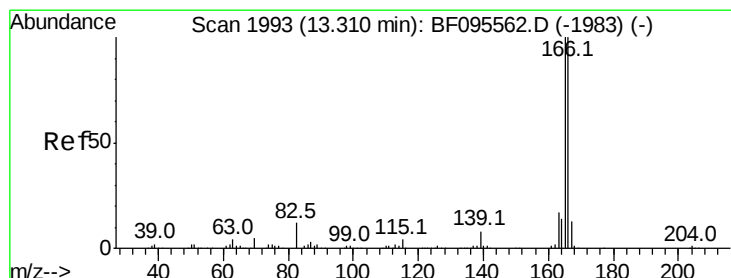
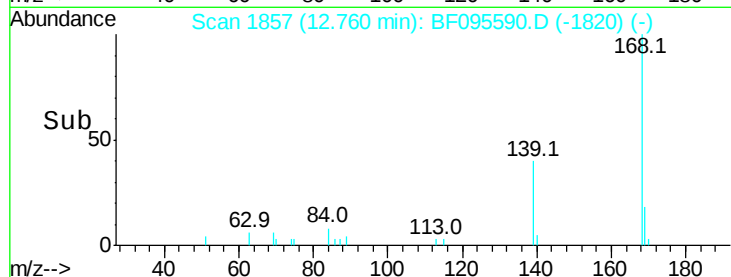
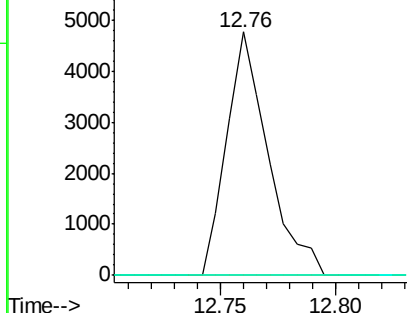
#55
4-Nitrophenol
Concen: 4.43 ng
RT: 12.76 min Scan# 1857
Delta R.T. -0.09 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5980
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

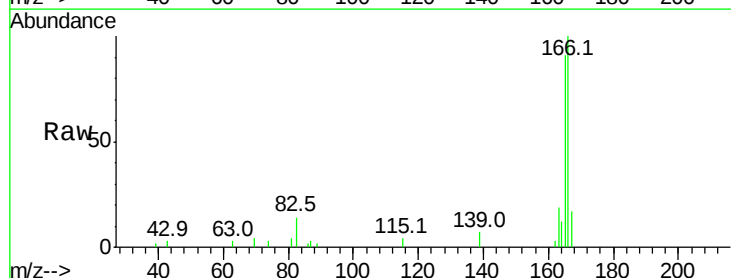


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

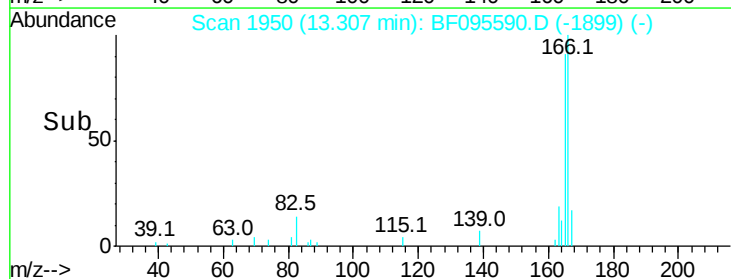
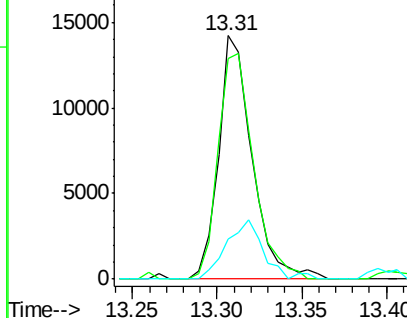


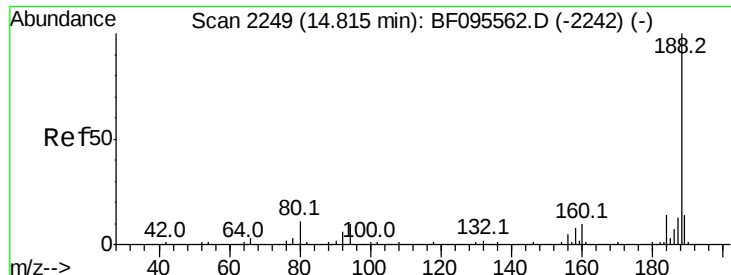
#57
Fluorene
Concen: 2.06 ng
RT: 13.31 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BF095590.D
Acq: 1 Jun 2017 7:01

Tgt Ion:166 Resp: 19693
Ion Ratio Lower Upper
166 100
165 90.8 78.8 118.2
167 16.6 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

Instrument :

BNA_F

ClientSampleId :

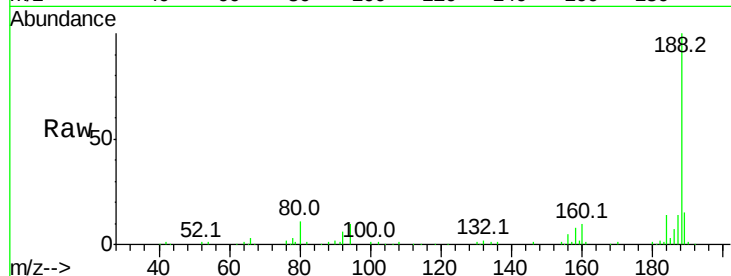
Tot Ion:188 Resp: 192462

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

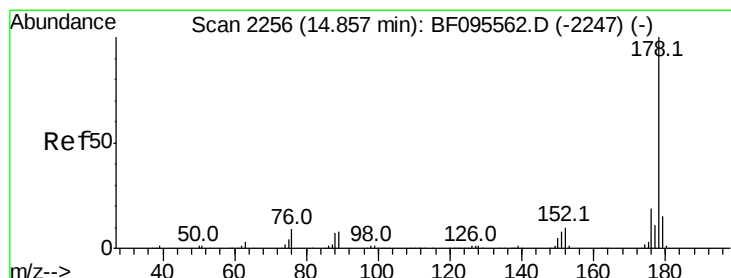
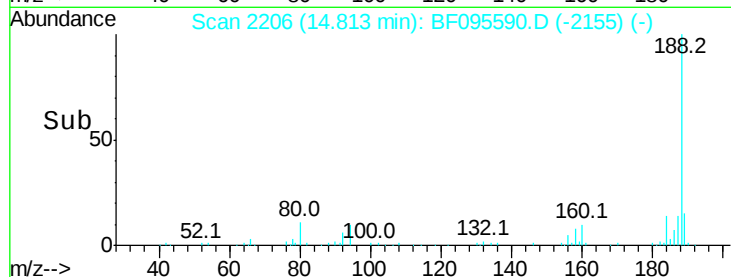
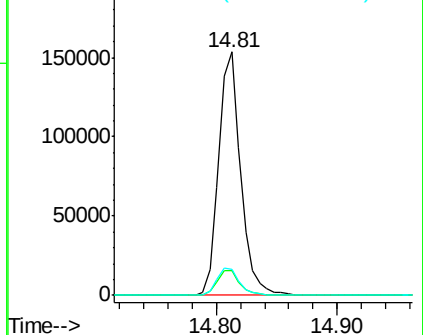
80 10.6 10.2 15.2



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



#70

Phenanthrene

Concen: 2.40 ng

RT: 14.85 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BF095590.D

Acq: 1 Jun 2017 7:01

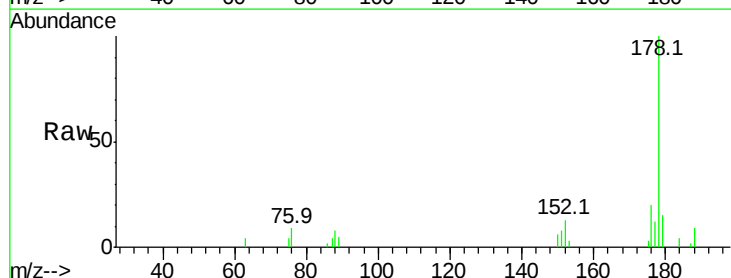
Tgt Ion:178 Resp: 26595

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

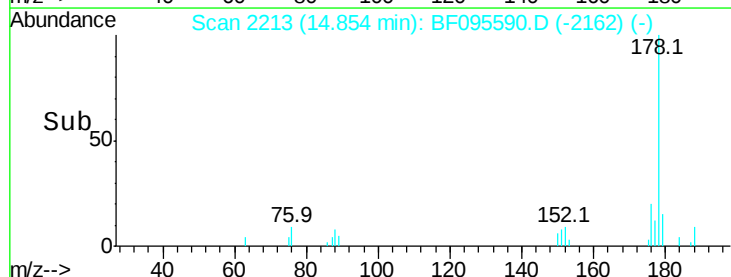
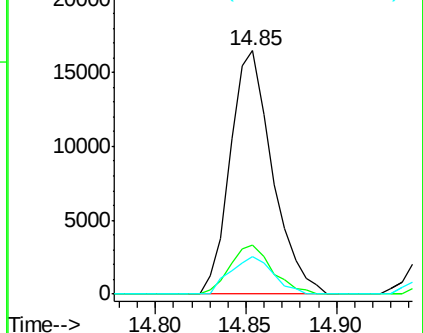
179 15.2 12.6 19.0

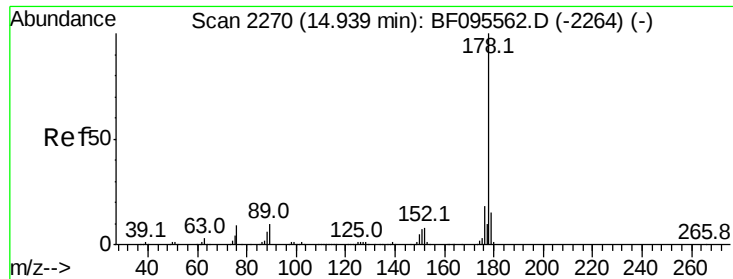


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

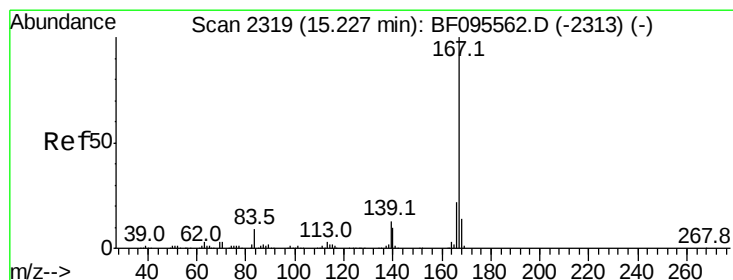
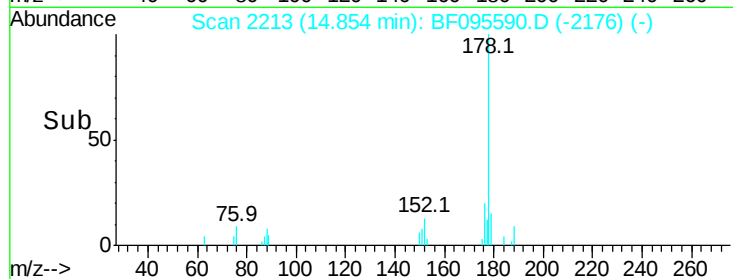
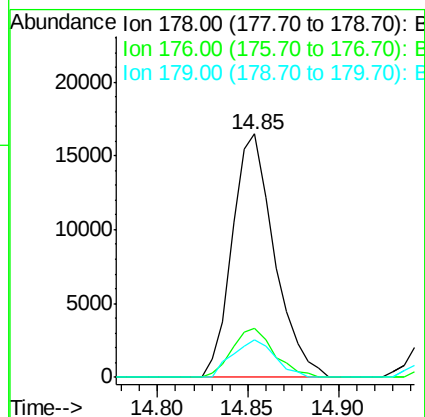
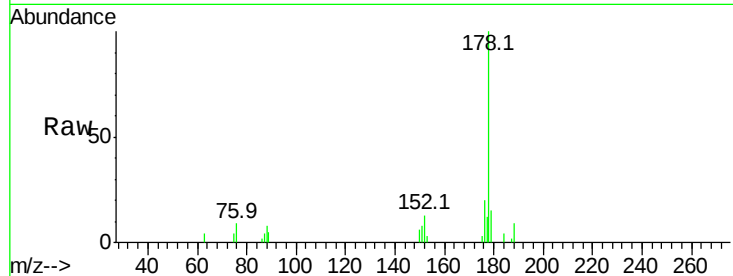




#71
 Anthracene
 Concen: 2.35 ng
 RT: 14.85 min Scan# 2213
 Delta R.T. -0.09 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

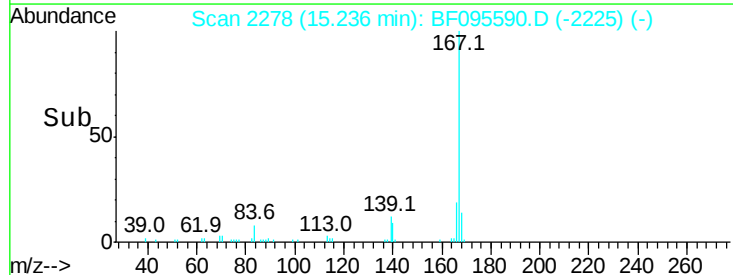
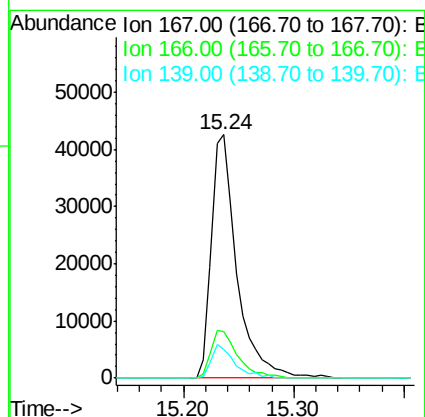
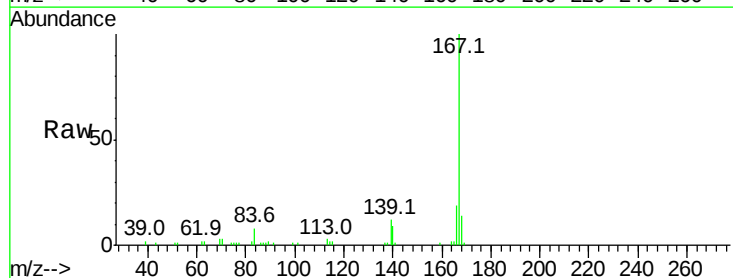
Instrument :
 BNA_F
 ClientSampleId :

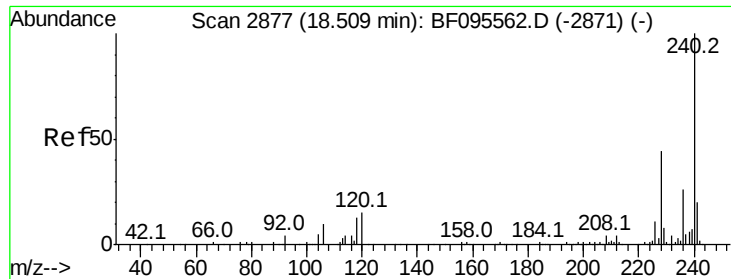
Tot Ion:178 Resp: 26595
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 15.2 12.7 19.1



#72
 Carbazole
 Concen: 6.54 ng
 RT: 15.24 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Tgt Ion:167 Resp: 67244
 Ion Ratio Lower Upper
 167 100
 166 19.3 18.1 27.1
 139 11.7 11.7 17.5#

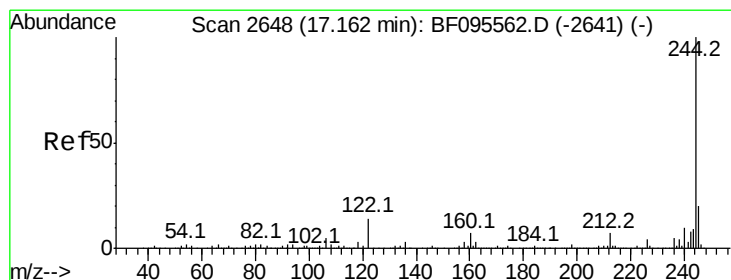
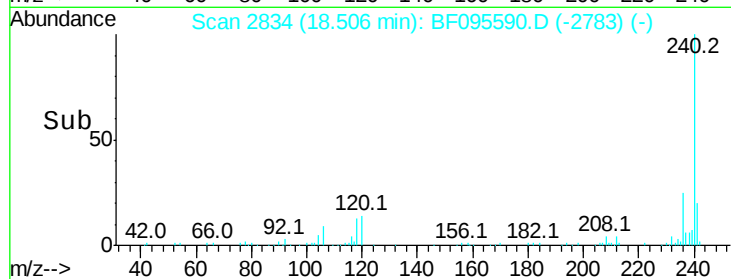
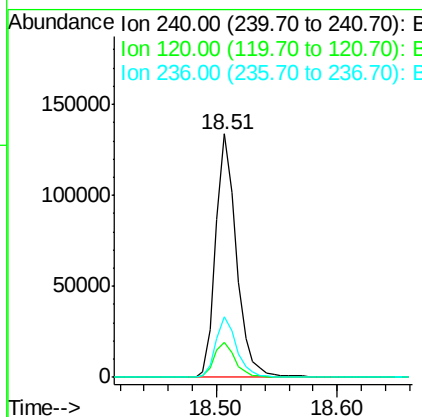
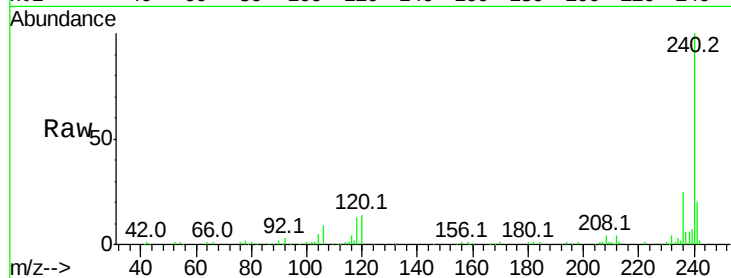




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.51 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

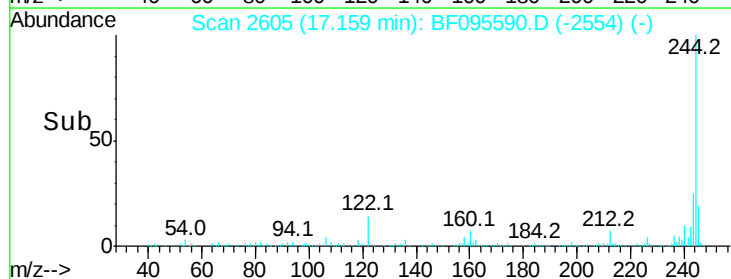
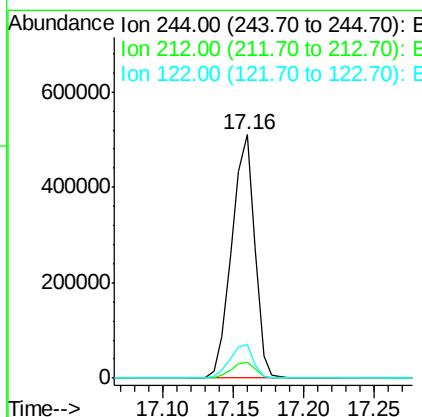
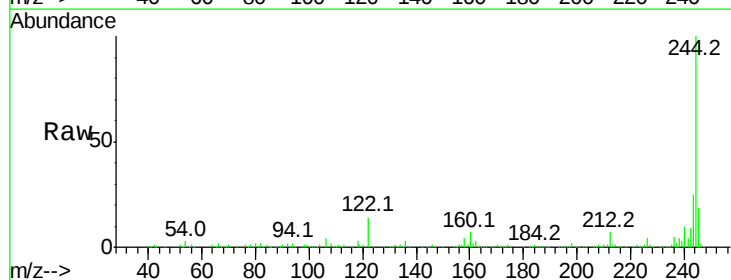
Instrument :
 BNA_F
 ClientSampleId :

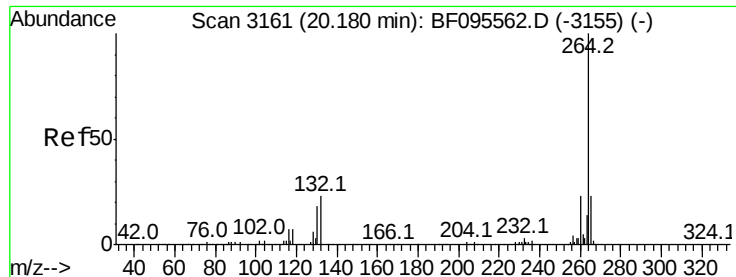
Tot Ion:240 Resp: 158142
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 24.9 20.5 30.7



#78
 Terphenyl-d14
 Concen: 80.47 ng
 RT: 17.16 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Tgt Ion:244 Resp: 577749
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.8 10.3 15.5





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.18 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: BF095590.D
 Acq: 1 Jun 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.1	17.2	25.8

