

Data Path : Z:\HPCHEM1\BNA F\Data\BF032917\
 Data File : BF094060.D
 Acq On : 30 Mar 2017 13:46
 Operator : SJ/MA
 Sample : I2443-09DL 20X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 14:26:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

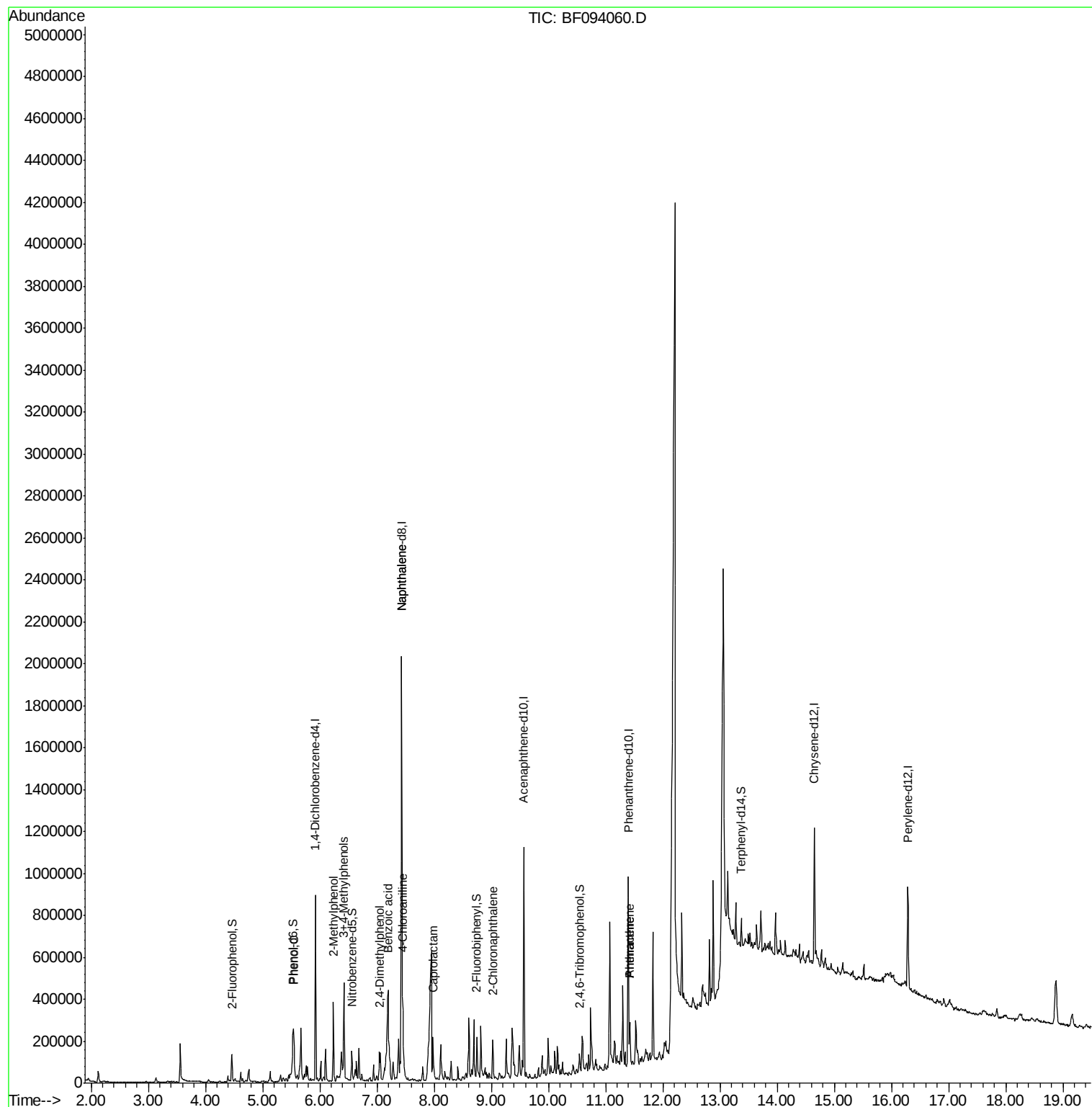
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	137925	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	515619	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	232533	20.00	ng	-0.03
63) Phenanthrene-d10	11.40	188	353799	20.00	ng	-0.02
75) Chrysene-d12	14.66	240	279979	20.00	ng	-0.02
86) Perylene-d12	16.29	264	202220	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	42600	5.22	ng	-0.01
7) Phenol-d6	5.53	99	53499	5.30	ng	-0.02
23) Nitrobenzene-d5	6.56	82	20686	2.29	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	8119	4.42	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	65758	4.31	ng	-0.04
78) Terphenyl-d14	13.37	244	39416	3.16	ng	-0.03
Target Compounds						
10) Phenol	5.55	94	58544	5.09	ng	Qvalue 89
17) 2-Methylphenol	6.23	107	70029	9.11	ng	96
20) 3+4-Methylphenols	6.42	107	139593	14.99	ng	# 63
27) 2,4-Dimethylphenol	7.04	122	26481	3.62	ng	96
31) Naphthalene	7.43	128	531701	21.45	ng	# 78
32) Benzoic acid	7.20	122	57446	11.79	ng	# 13
33) 4-Chloroaniline	7.45	127	21727	2.16	ng	# 47
35) Caprolactam	7.99	113	5027	2.30	ng	# 64
46) 2-Chloronaphthalene	9.03	162	40690	2.77	ng	# 43
70) Phenanthrene	11.42	178	76428	3.88	ng	99
71) Anthracene	11.42	178	76428	3.77	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.92 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

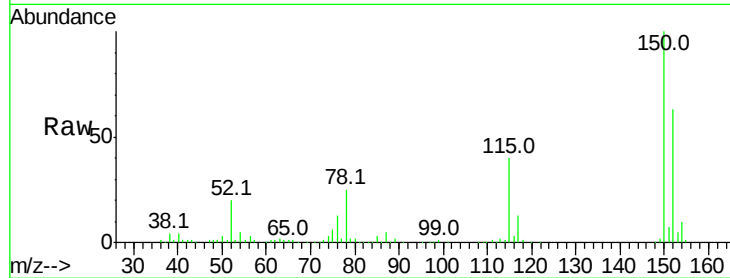
Tot Ion:152 Resp: 137925

Ion Ratio Lower Upper

152 100

150 157.9 126.2 189.2

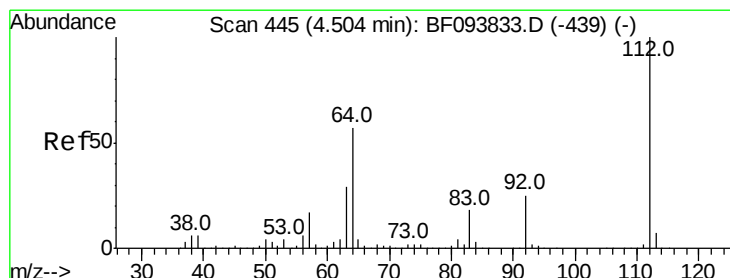
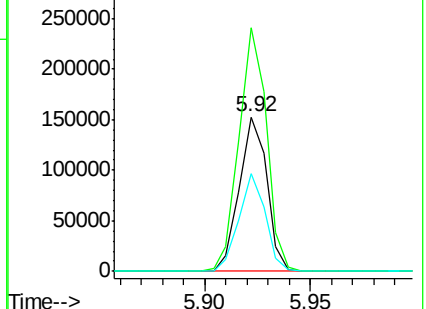
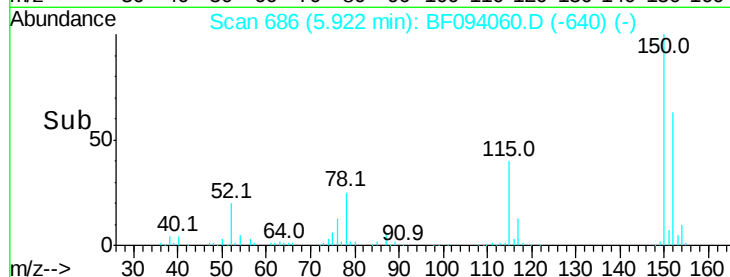
115 63.2 52.2 78.2



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: 5.22 ng

RT: 4.46 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

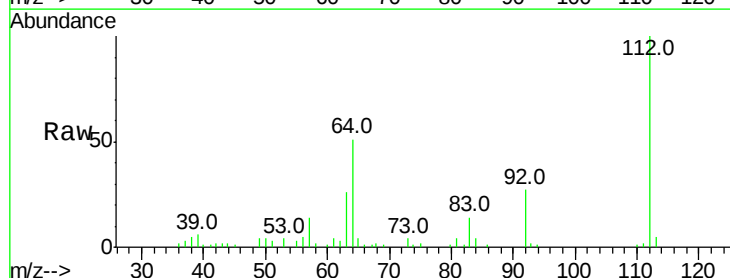
Tgt Ion:112 Resp: 42600

Ion Ratio Lower Upper

112 100

64 51.0 46.0 69.0

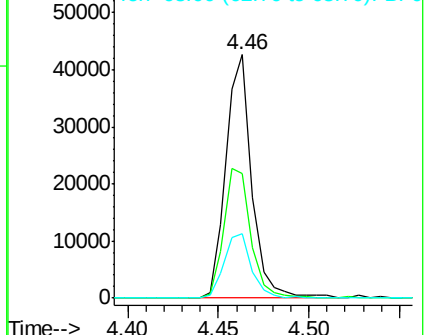
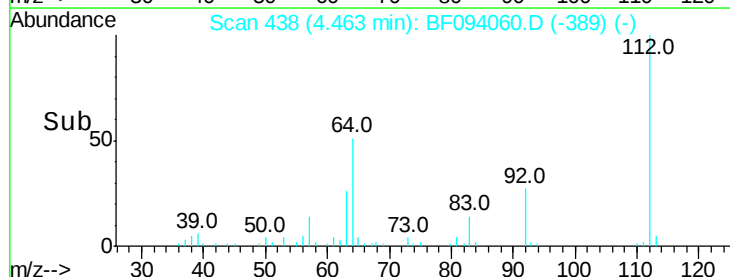
63 26.4 23.4 35.0

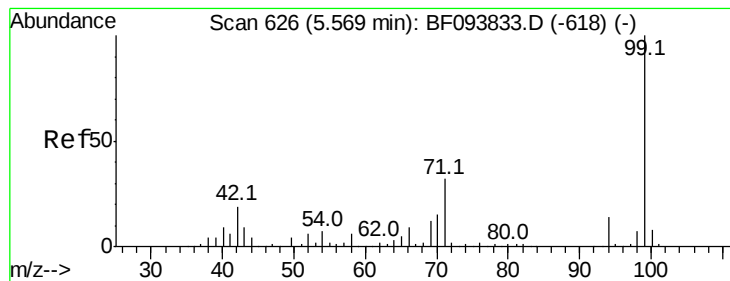


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.30 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampled :

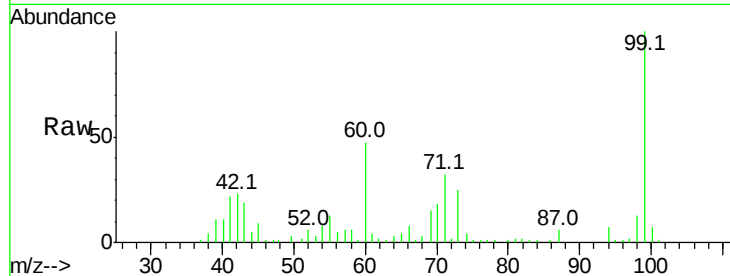
Tot Ion: 99 Resp: 53499

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

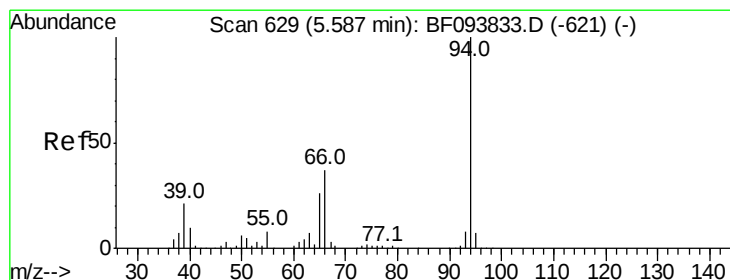
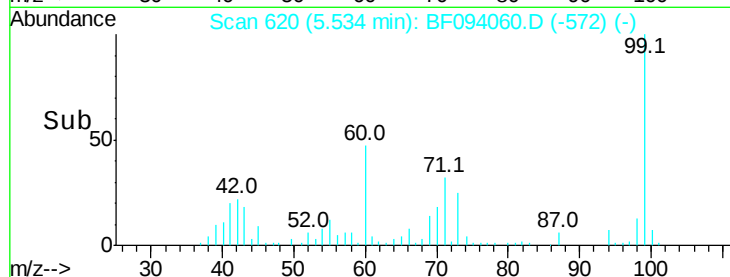
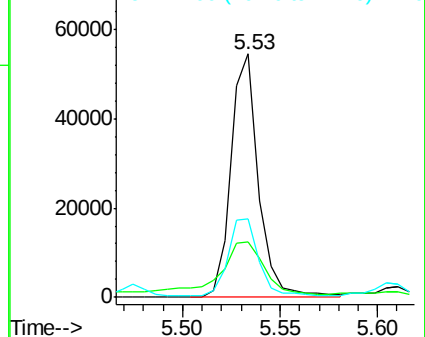
71 32.4 24.5 36.7



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: 5.09 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

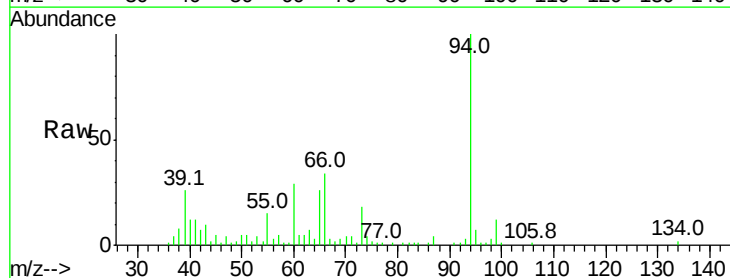
Tgt Ion: 94 Resp: 58544

Ion Ratio Lower Upper

94 100

65 25.9 9.9 49.9

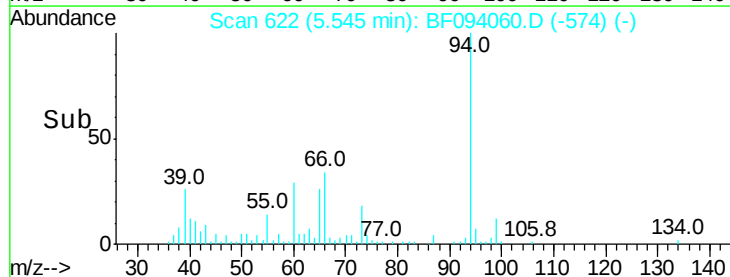
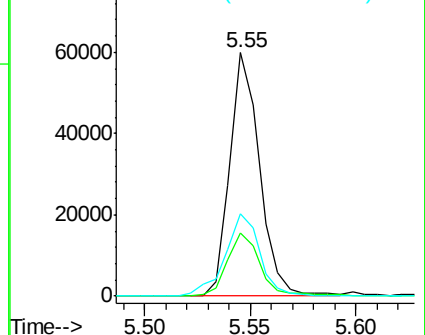
66 34.0 23.1 63.1

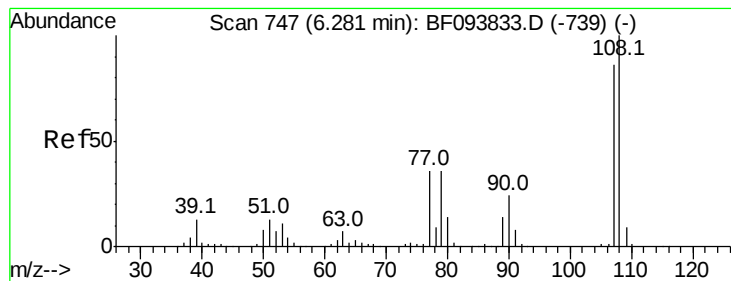


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

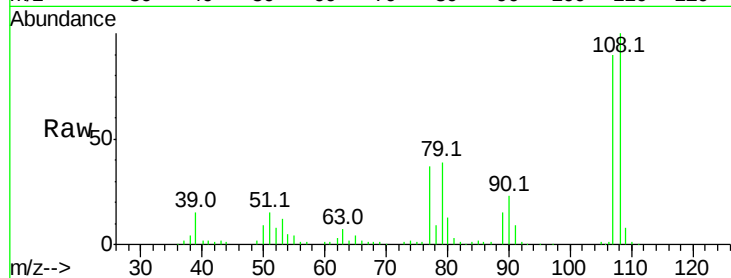




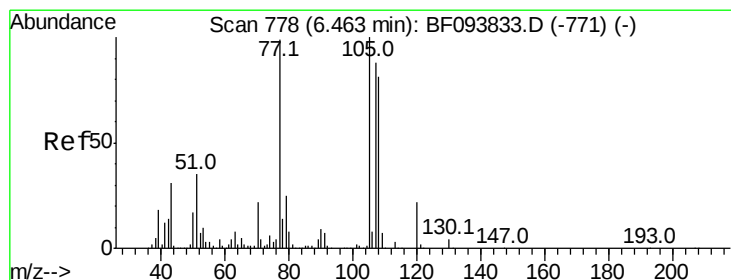
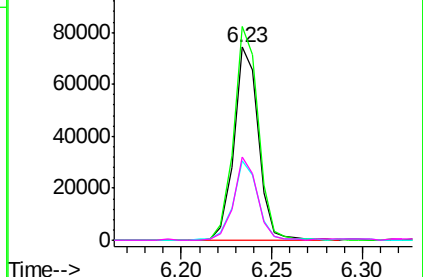
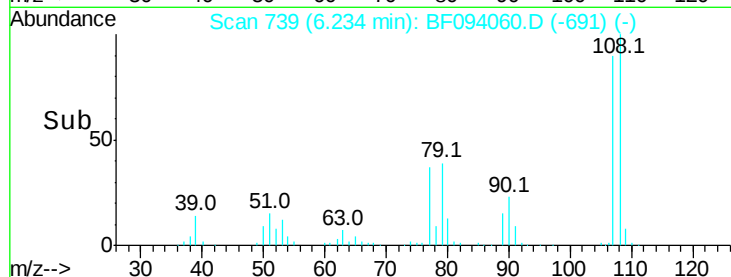
#17
2-Methylphenol
Concen: 9.11 ng
RT: 6.23 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF094060.D
Acq: 30 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 70029
Ion Ratio Lower Upper
107 100
108 110.7 93.4 140.0
77 41.4 35.8 53.6
79 43.1 34.8 52.2

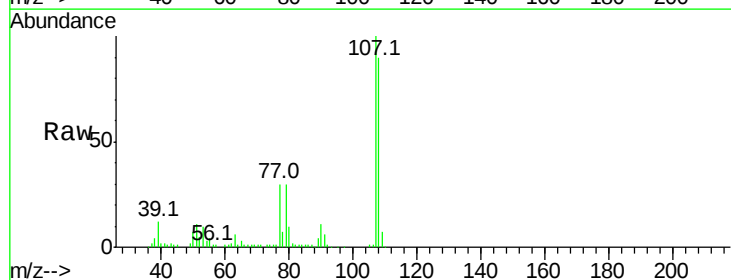


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

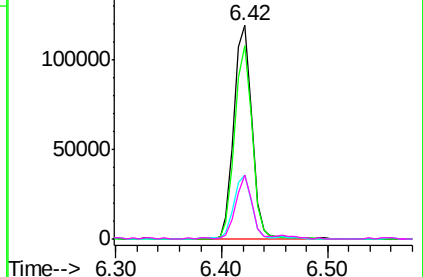
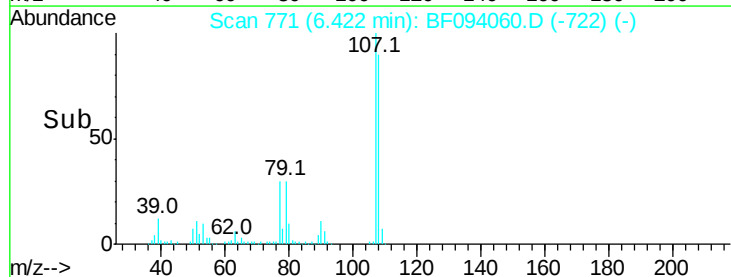


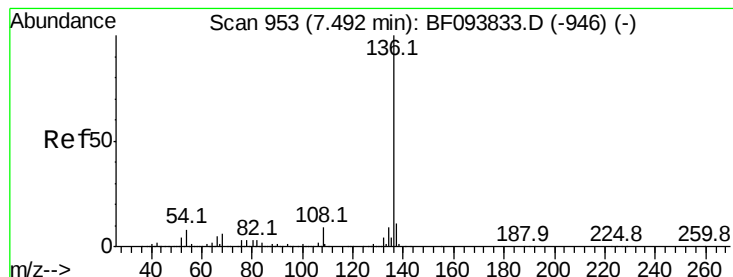
#20
3+4-Methylphenols
Concen: 14.99 ng
RT: 6.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF094060.D
Acq: 30 Mar 2017 13:46

Tgt Ion:107 Resp: 139593
Ion Ratio Lower Upper
107 100
108 90.3 71.0 111.0
77 29.7 90.5 130.5#
79 29.9 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: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 515619

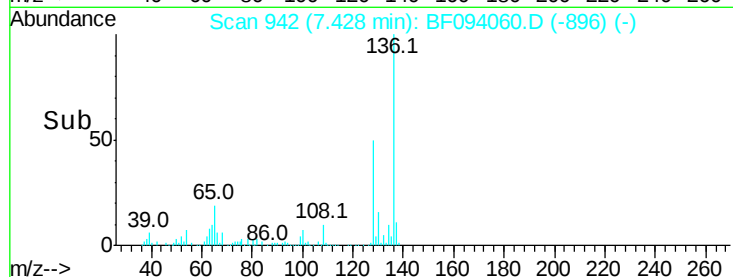
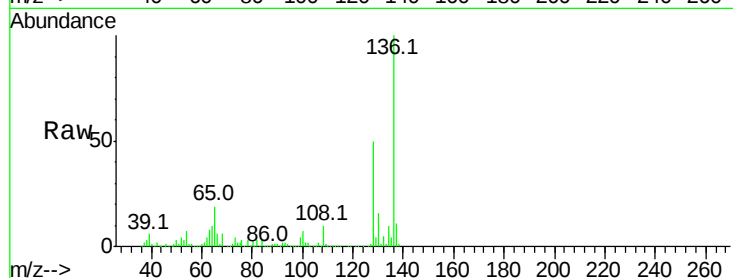
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.3 4.9 7.3

68 6.1 4.1 6.1

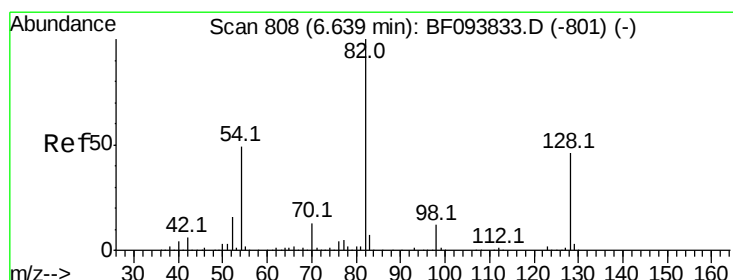
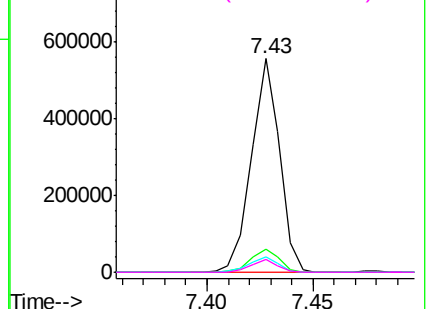


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.29 ng

RT: 6.56 min Scan# 795

Delta R.T. -0.04 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

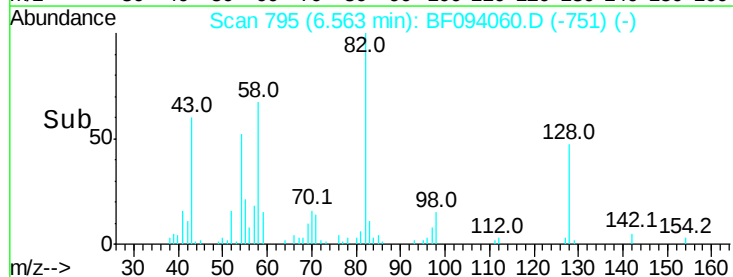
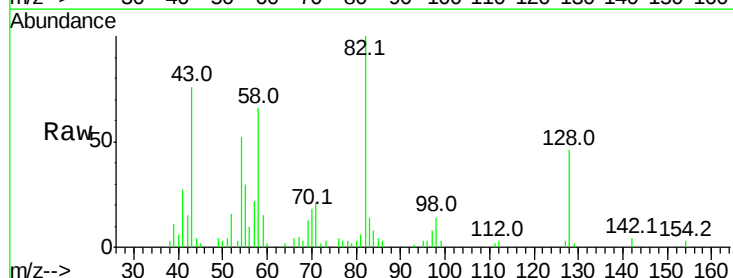
Tgt Ion: 82 Resp: 20686

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

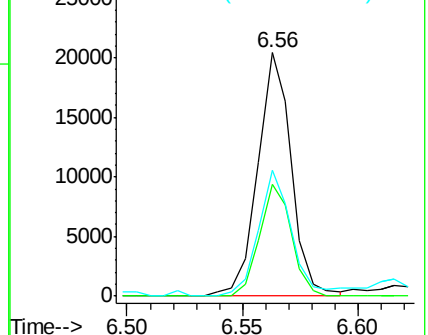
54 51.6 42.2 63.2

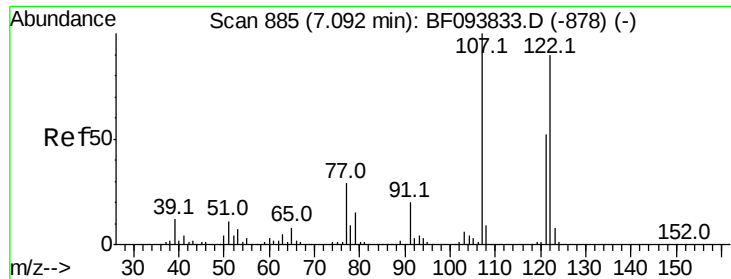


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.62 ng

RT: 7.04 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

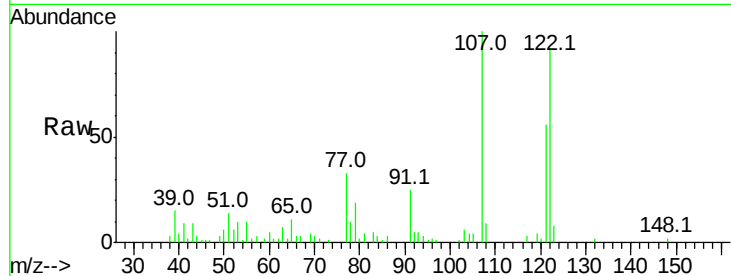
Tot Ion:122 Resp: 26481

Ion Ratio Lower Upper

122 100

107 109.0 89.2 133.8

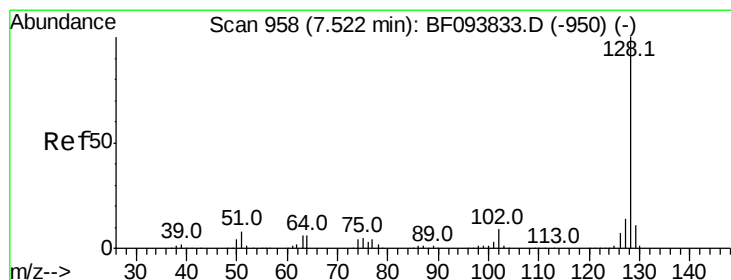
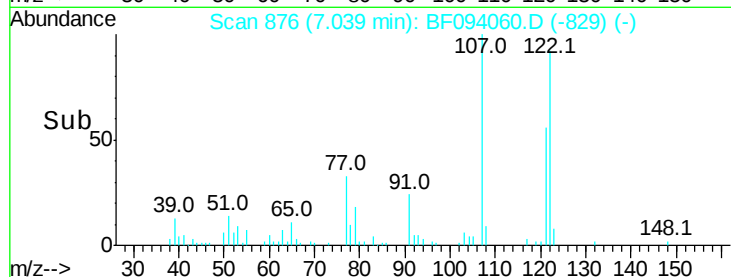
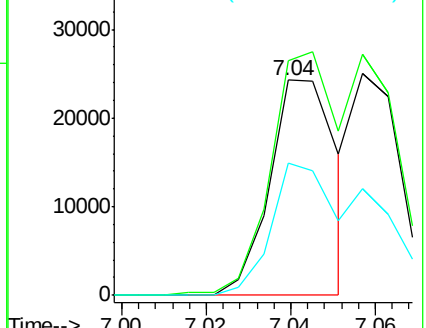
121 61.3 45.2 67.8



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: 21.45 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

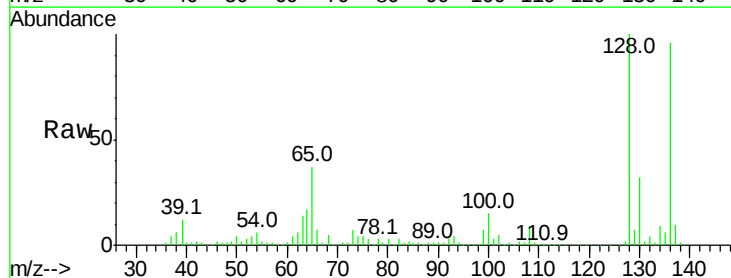
Tgt Ion:128 Resp: 531701

Ion Ratio Lower Upper

128 100

129 6.7 9.0 13.6#

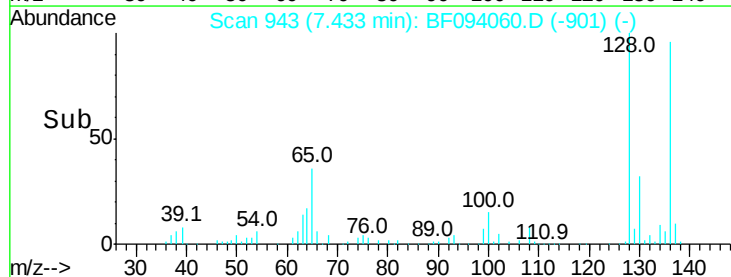
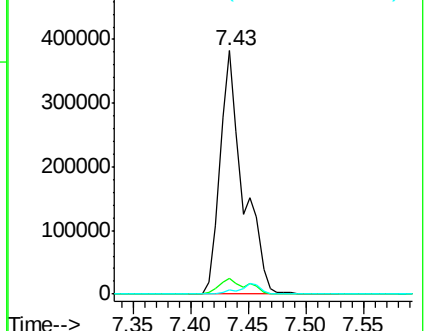
127 1.6 10.8 16.2#

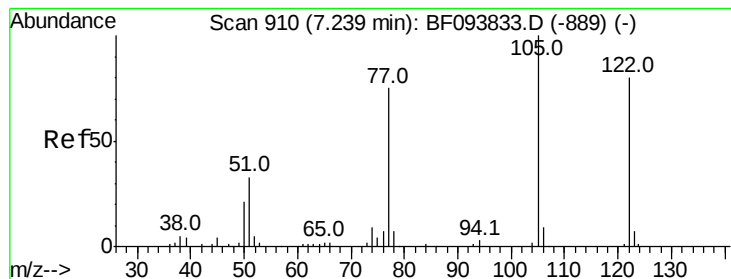


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 11.79 ng

RT: 7.20 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

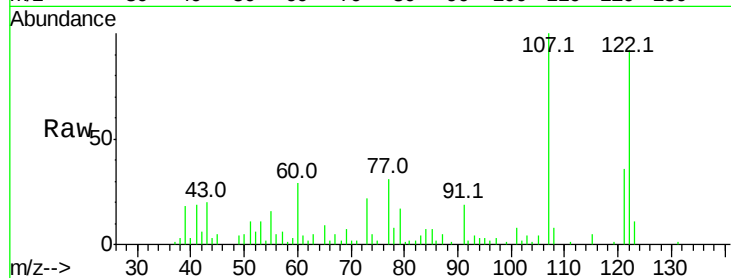
Tot Ion:122 Resp: 57446

Ion Ratio Lower Upper

122 100

105 4.5 103.3 143.3#

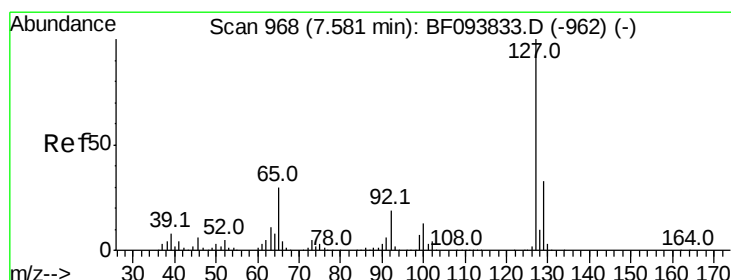
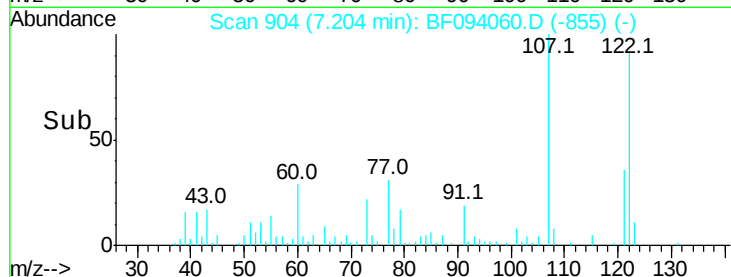
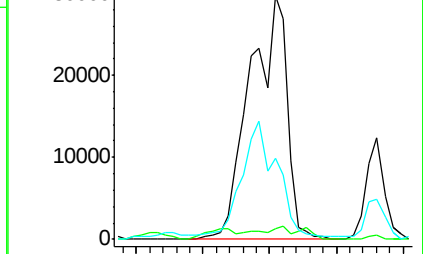
77 33.2 73.7 113.7#



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: 2.16 ng

RT: 7.45 min Scan# 946

Delta R.T. -0.10 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Tgt Ion:127 Resp: 21727

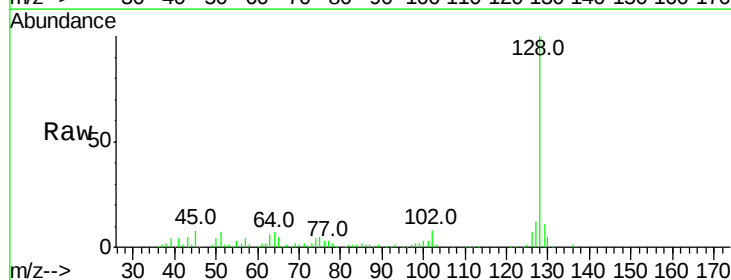
Ion Ratio Lower Upper

127 100

129 91.8 26.2 39.2#

65 43.1 27.8 41.8#

92 4.0 16.8 25.2#

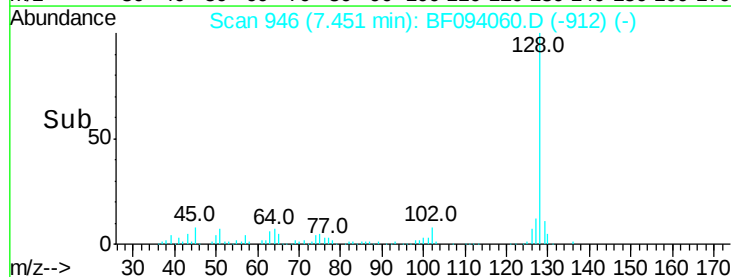
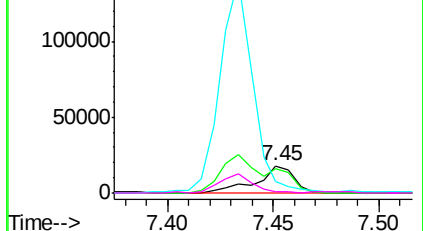


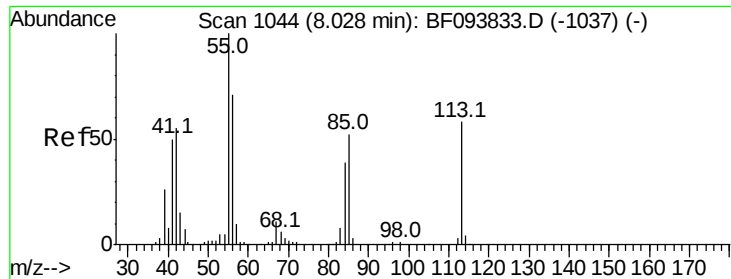
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 2.30 ng

RT: 7.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

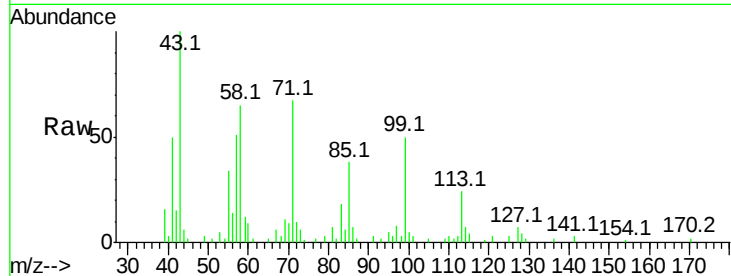
Tot Ion:113 Resp: 5027

Ion Ratio Lower Upper

113 100

55 145.6 150.2 190.2#

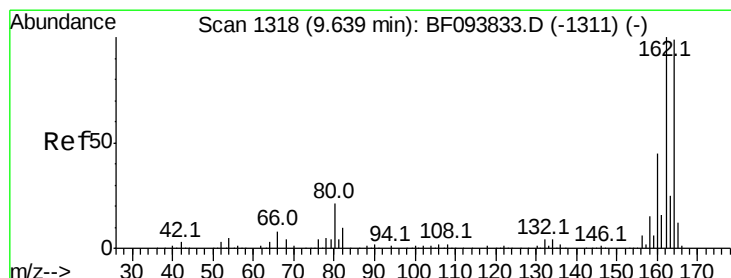
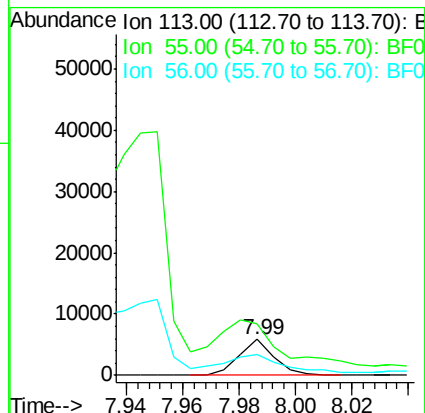
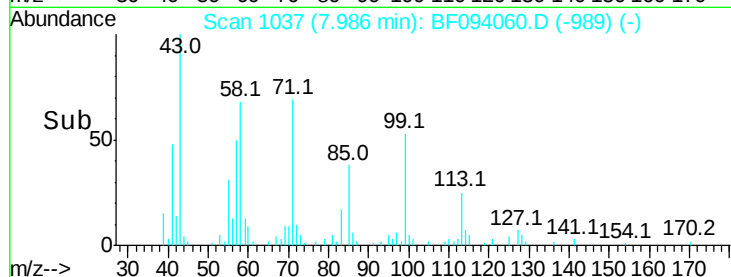
56 59.1 107.8 147.8#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

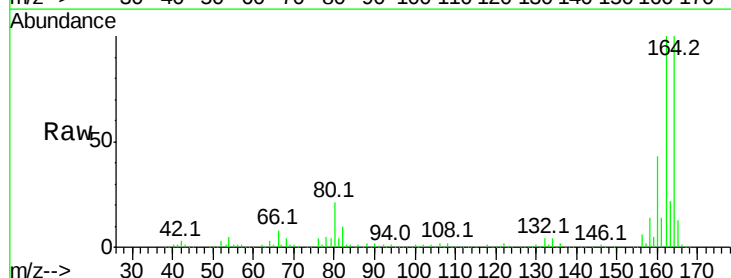
Tgt Ion:164 Resp: 232533

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

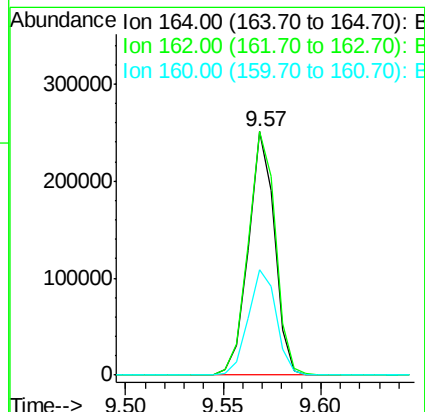
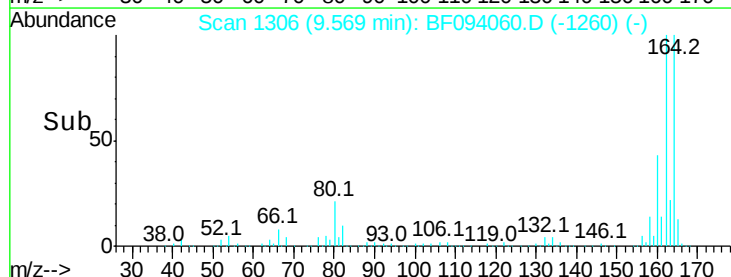
160 43.5 36.2 54.2

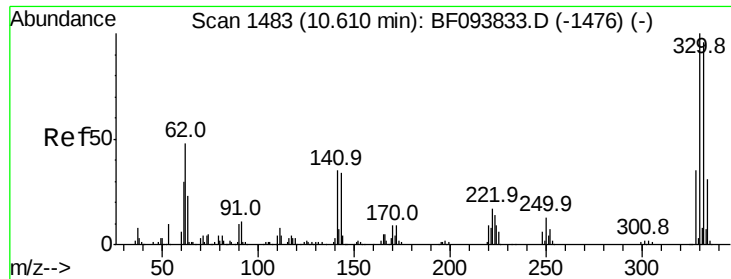


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

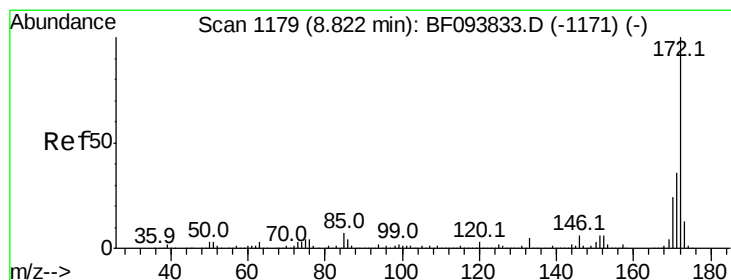
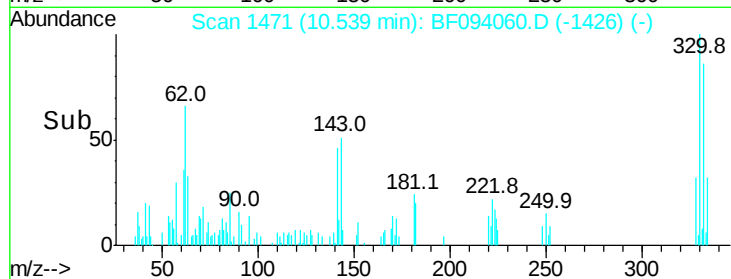
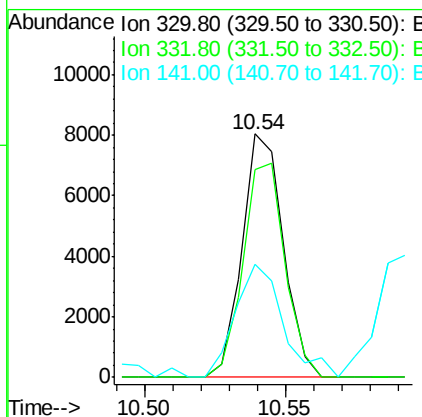
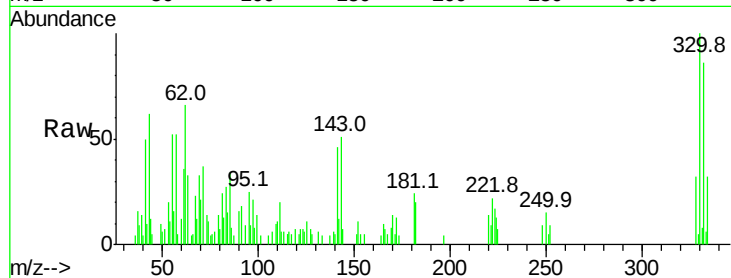




#41
 2,4,6-Tribromophenol
 Concen: 4.42 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094060.D
 Acq: 30 Mar 2017 13:46

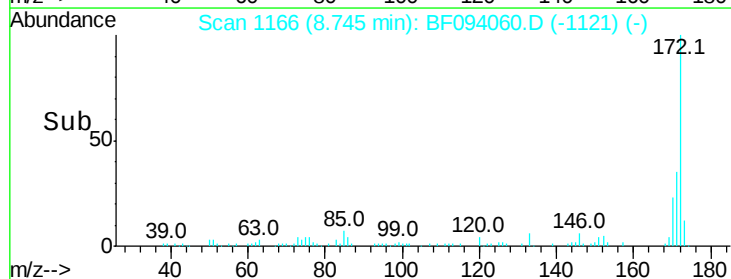
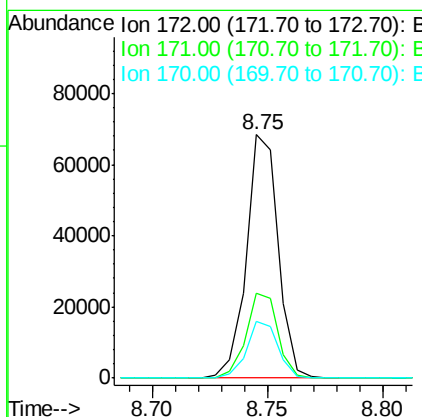
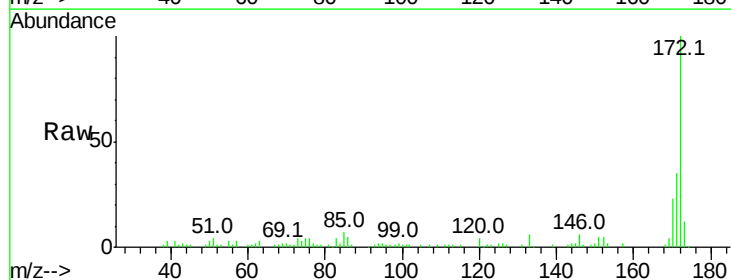
Instrument :
 BNA_F
 ClientSampled :

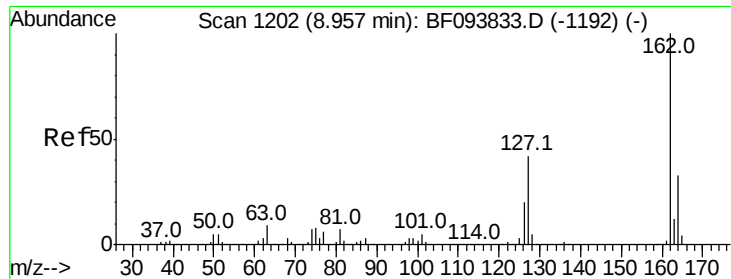
Tot Ion:330 Resp: 8119
 Ion Ratio Lower Upper
 330 100
 332 90.3 76.6 115.0
 141 54.1 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 4.31 ng
 RT: 8.75 min Scan# 1166
 Delta R.T. -0.04 min
 Lab File: BF094060.D
 Acq: 30 Mar 2017 13:46

Tgt Ion:172 Resp: 65758
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.2 19.8 29.8

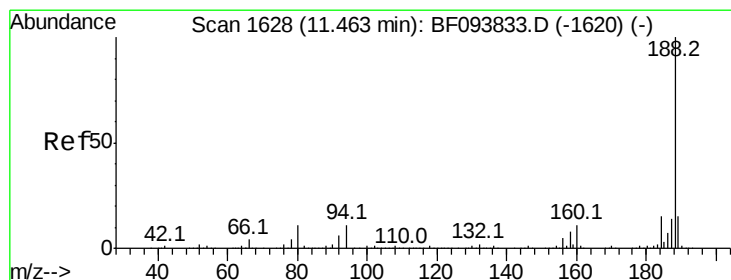
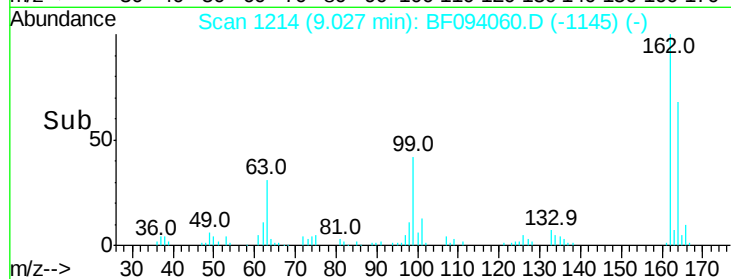
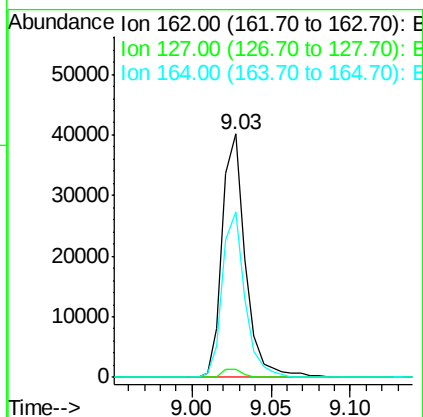
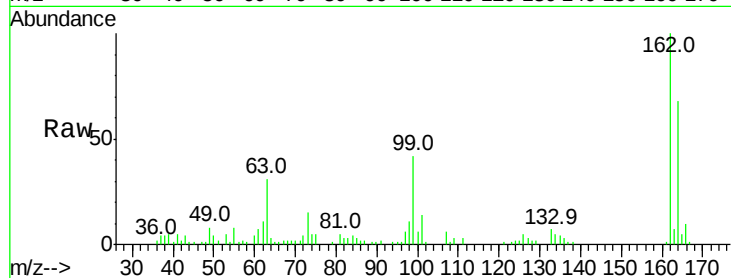




#46
 2-Chloronaphthalene
 Concen: 2.77 ng
 RT: 9.03 min Scan# 1214
 Delta R.T. 0.11 min
 Lab File: BF094060.D
 Acq: 30 Mar 2017 13:46

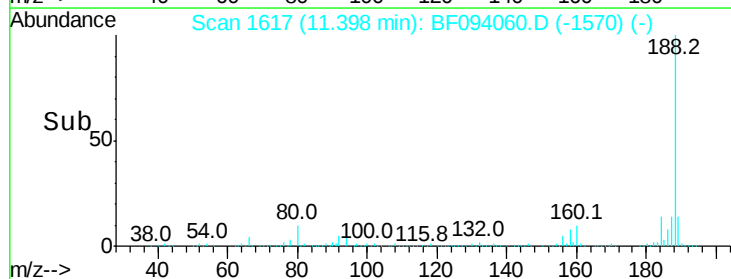
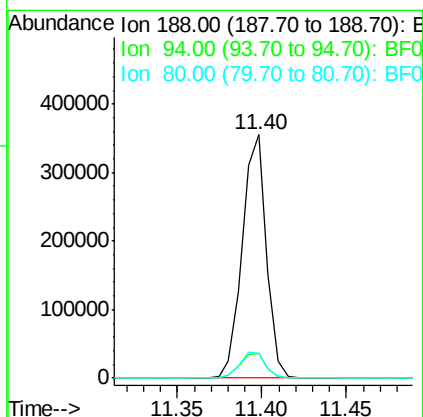
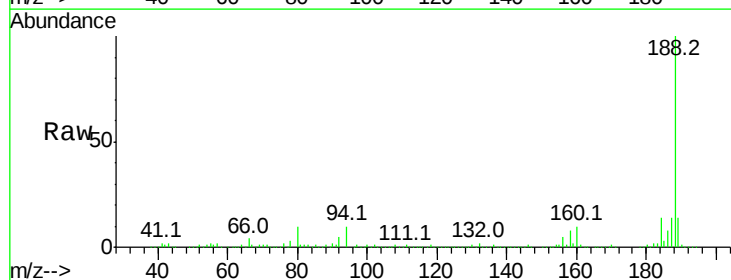
Instrument :
 BNA_F
 ClientSampled :

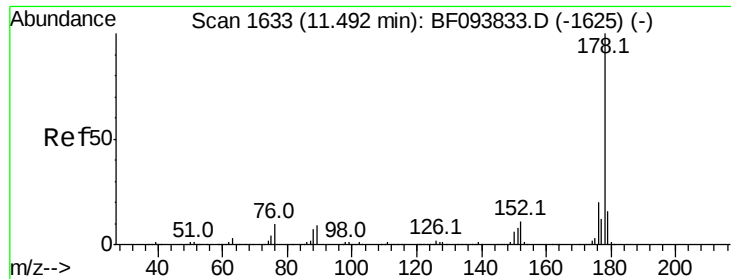
Tot Ion:162 Resp: 40690
 Ion Ratio Lower Upper
 162 100
 127 3.5 28.3 42.5#
 164 67.9 27.0 40.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1617
 Delta R.T. -0.02 min
 Lab File: BF094060.D
 Acq: 30 Mar 2017 13:46

Tgt Ion:188 Resp: 353799
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.4 10.2 15.2

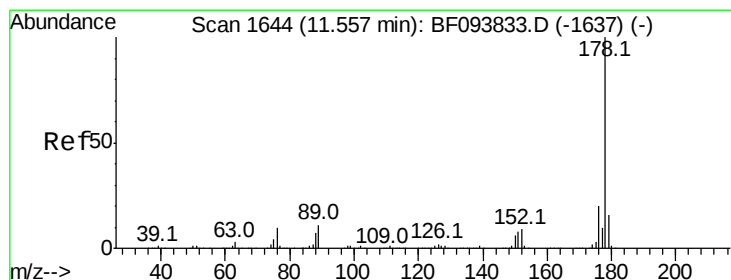
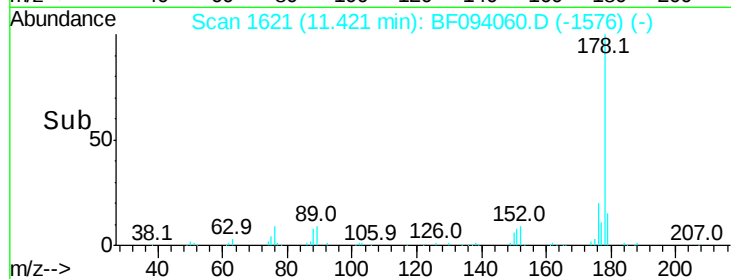
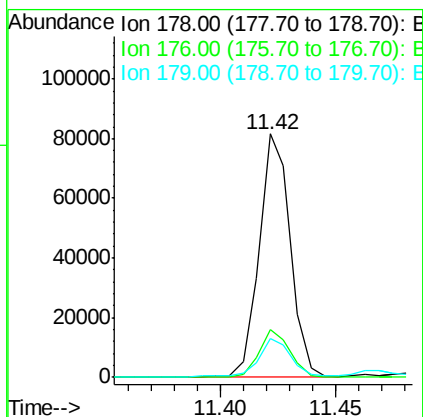
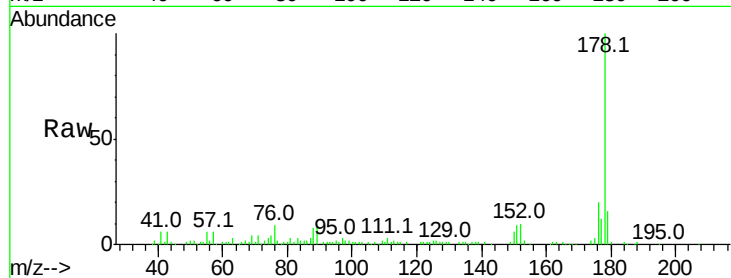




#70
Phenanthrene
Concen: 3.88 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094060.D
Acq: 30 Mar 2017 13:46

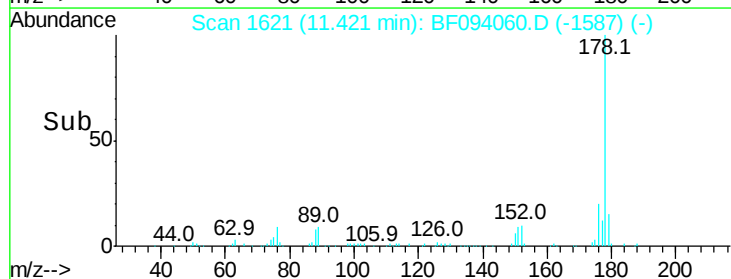
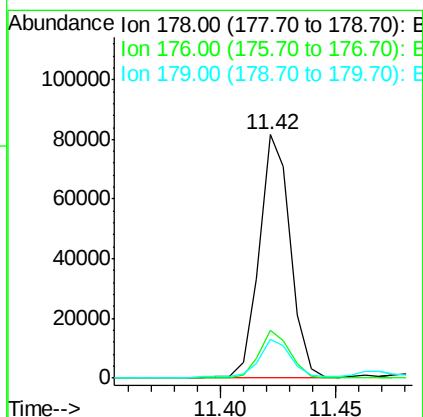
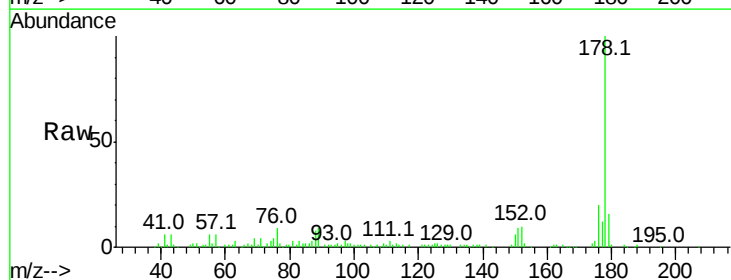
Instrument :
BNA_F
ClientSampleId :

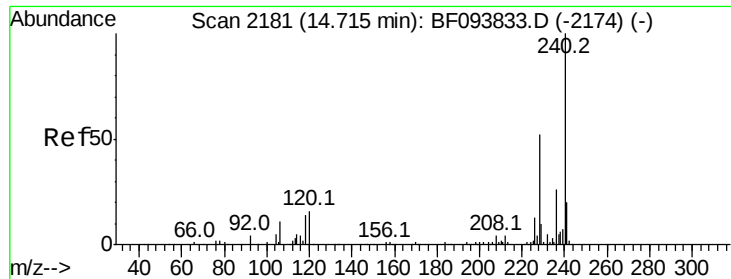
Tot Ion:178 Resp: 76428
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.7 12.6 19.0



#71
Anthracene
Concen: 3.77 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.10 min
Lab File: BF094060.D
Acq: 30 Mar 2017 13:46

Tgt Ion:178 Resp: 76428
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.7 12.7 19.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

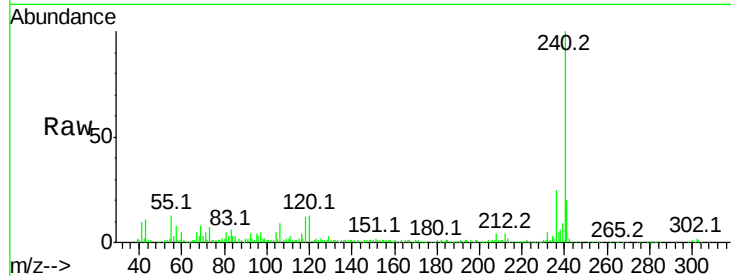
Tot Ion:240 Resp: 279979

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

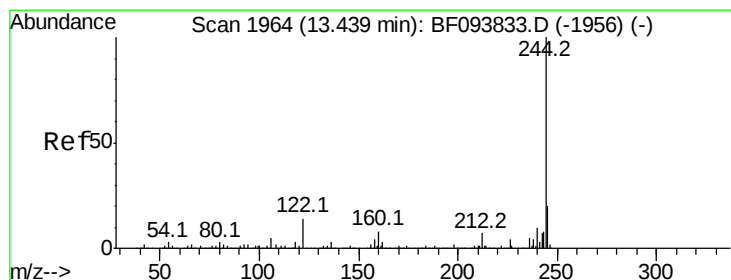
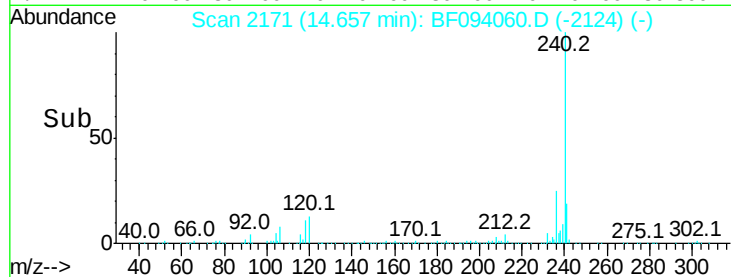
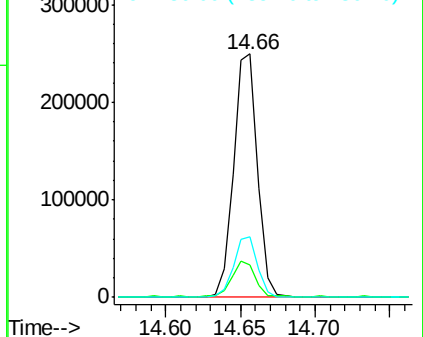
236 25.0 20.5 30.7



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: 3.16 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094060.D

Acq: 30 Mar 2017 13:46

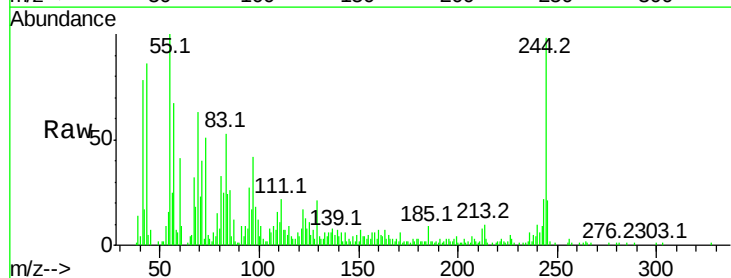
Tgt Ion:244 Resp: 39416

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

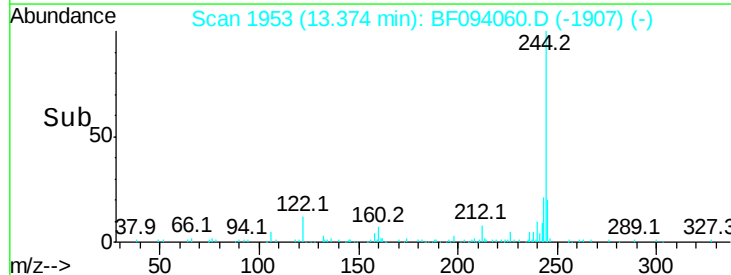
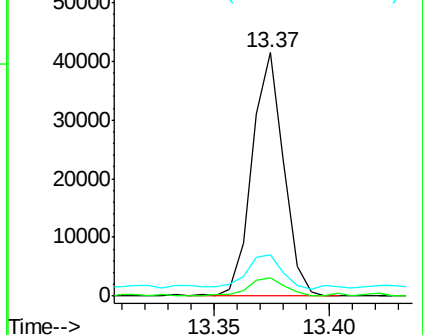
122 17.2 10.3 15.5#

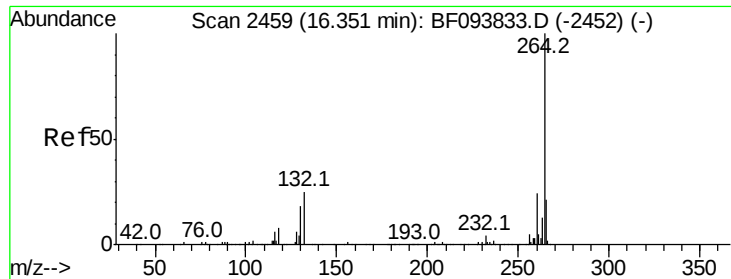


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BF094060.D
Acq: 30 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.2	17.2	25.8

