

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080437.D
 Acq On : 13 Jul 2015 20:32
 Operator : TP/UM
 Sample : G2945-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PO-002

Quant Time: Jul 14 01:00:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 00:52:37 2015
 Response via : Initial Calibration

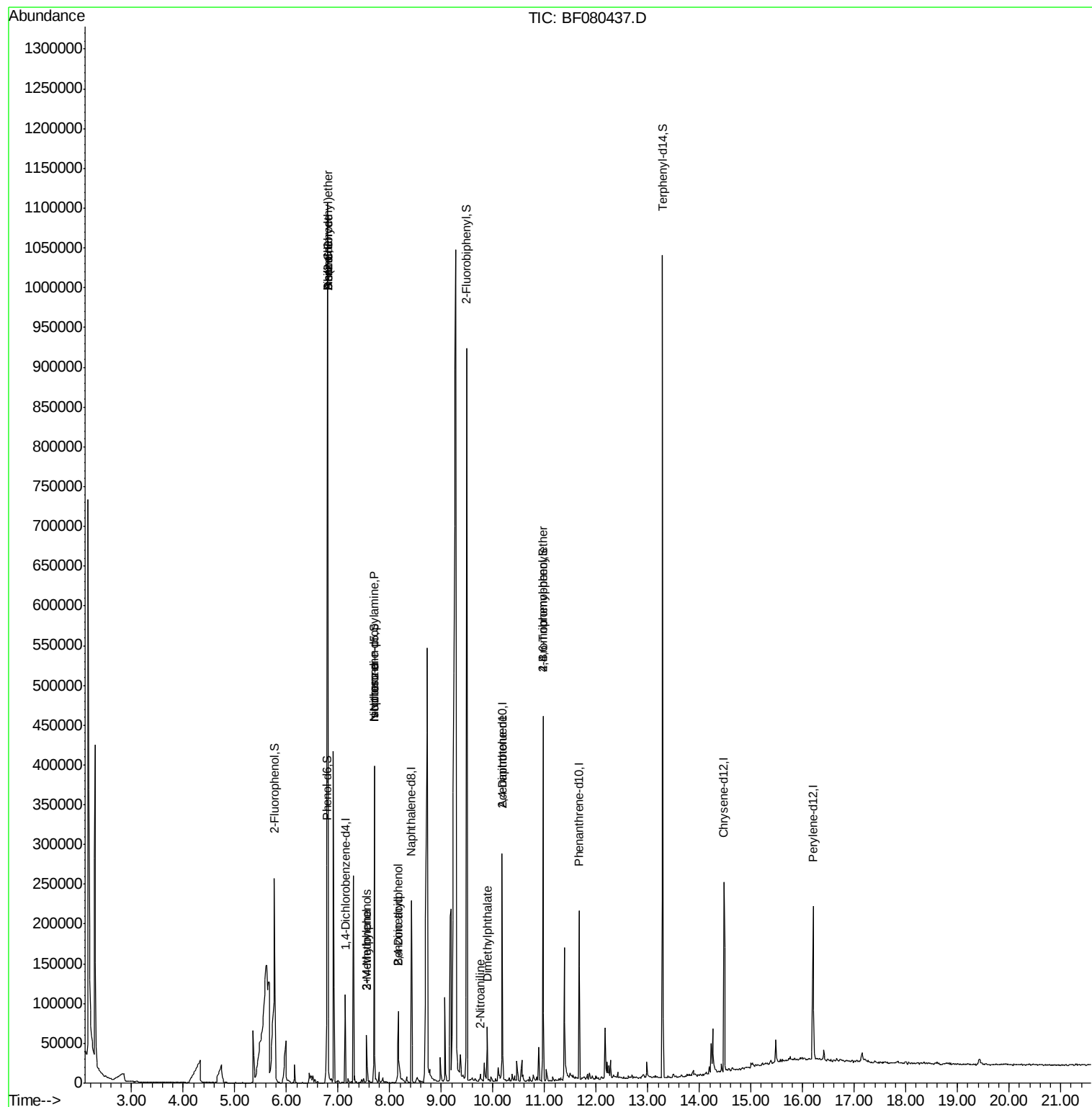
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	22822	20.00	ng	0.00
21) Naphthalene-d8	8.42	136	90705	20.00	ng	0.00
38) Acenaphthene-d10	10.18	164	49057	20.00	ng	0.00
63) Phenanthrene-d10	11.66	188	95232	20.00	ng	-0.02
75) Chrysene-d12	14.48	240	106980	20.00	ng	-0.24
86) Perylene-d12	16.20	264	96122	20.00	ng	-0.39
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	50415	37.86	ng	0.00
7) Phenol-d6	6.78	99	39913	22.49	ng	0.01
23) Nitrobenzene-d5	7.70	82	107541	67.62	ng	0.00
41) 2,4,6-Tribromophenol	10.97	330	39288	82.06	ng	-0.01
44) 2-Fluorobiphenyl	9.49	172	246468	67.67	ng	0.00
78) Terphenyl-d14	13.29	244	317437	64.44	ng	-0.11
Target Compounds						Qvalue
6) Aniline	6.80	93	6813	3.08	ng	# 1
9) Benzaldehyde	6.80	77	3209	3.27	ng	# 6
10) Phenol	6.80	94	313717	160.00	ng	89
11) bis(2-Chloroethyl)ether	6.80	93	6813	4.22	ng	# 1
17) 2-Methylphenol	7.55	107	15563	11.16	ng	# 69
19) n-Nitroso-di-n-propylamine	7.70	70	14785	12.18	ng	# 83
20) 3+4-Methylphenols	7.55	107	15563	8.88	ng	# 23
25) Isophorone	7.70	82	107535	37.73	ng	# 73
27) 2,4-Dimethylphenol	8.17	122	24570	18.48	ng	# 1
32) Benzoic acid	8.17	122	24570	26.29	ng	98
47) 2-Nitroaniline	9.76	65	386	4.99	ng	# 7
49) Dimethylphthalate	9.89	163	34087	9.19	ng	97
56) 2,4-Dinitrotoluene	10.18	165	6386	6.56	ng	# 9
66) 4-Bromophenyl-phenylether	10.97	248	3205	3.16	ng	# 1

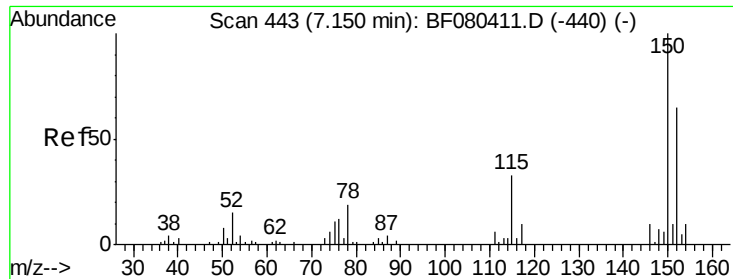
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 00:52:37 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampled :

PO-002

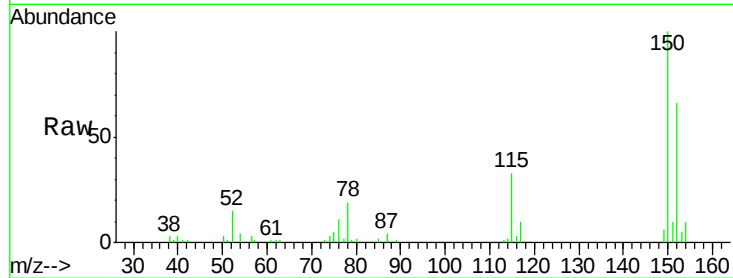
Tgt Ion:152 Resp: 22822

Ion Ratio Lower Upper

152 100

150 150.8 122.3 183.5

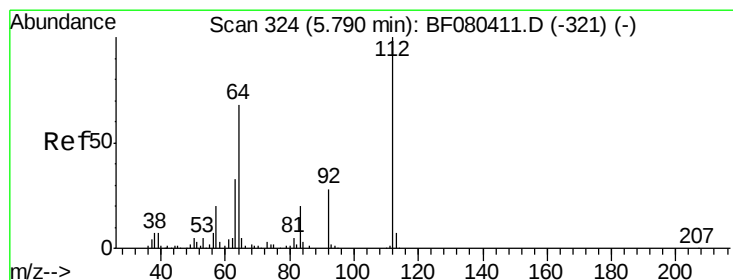
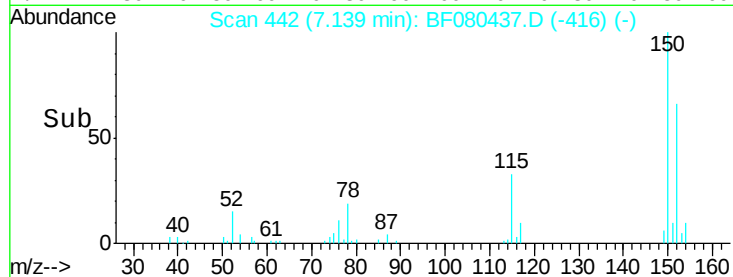
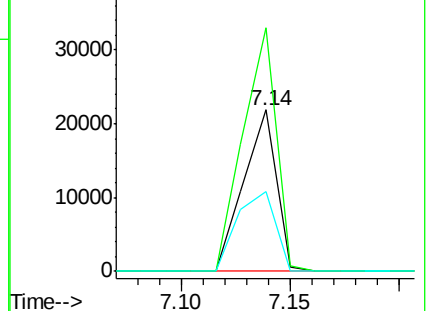
115 49.1 41.0 61.4



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: 37.86 ng

RT: 5.77 min Scan# 322

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

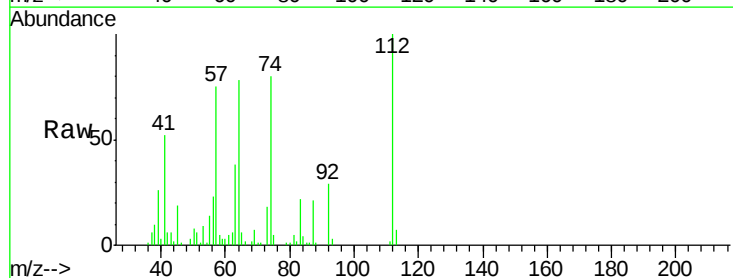
Tgt Ion:112 Resp: 50415

Ion Ratio Lower Upper

112 100

64 77.6 54.3 81.5

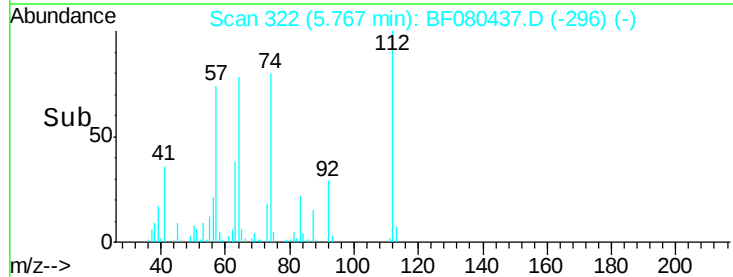
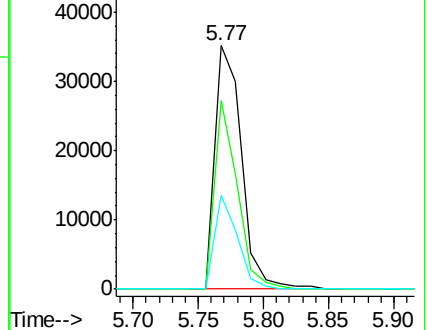
63 38.4 26.7 40.1

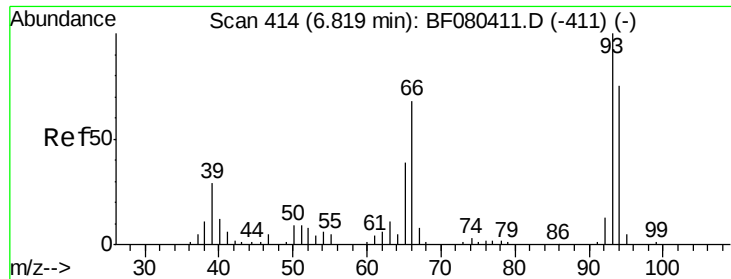


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.08 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampleId :

PO-002

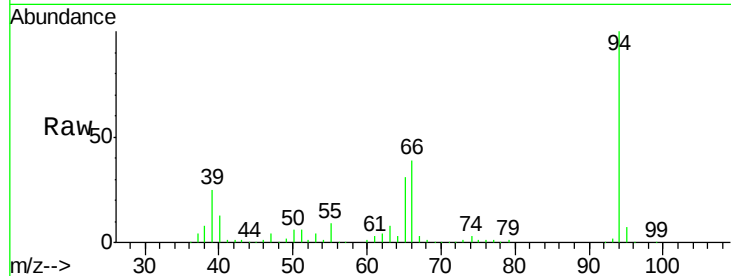
Tgt Ion: 93 Resp: 6813

Ion Ratio Lower Upper

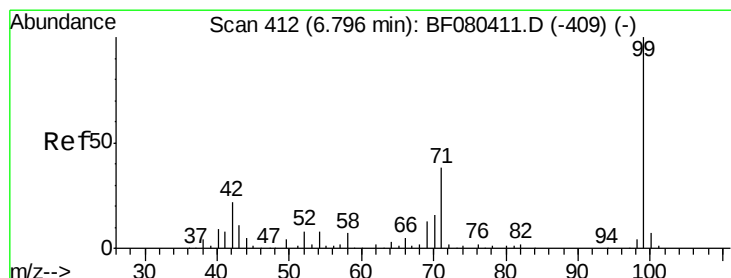
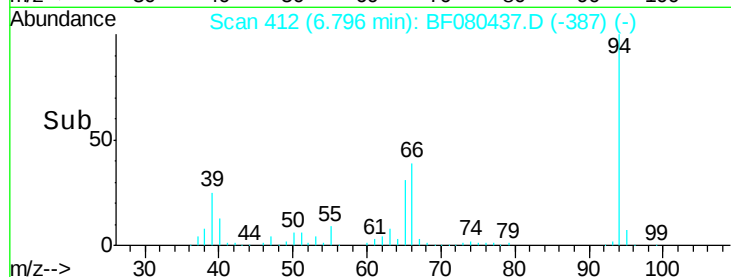
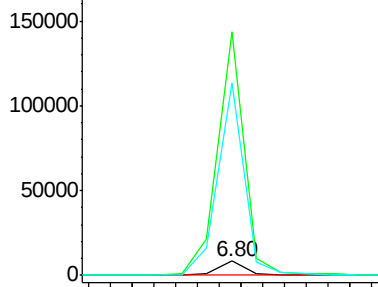
93 100

66 1733.1 54.8 82.2#

65 1373.1 31.4 47.2#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 22.49 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

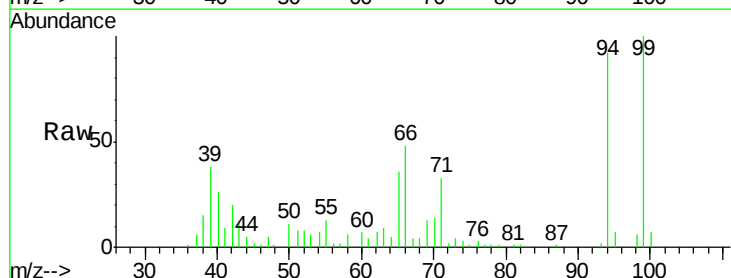
Tgt Ion: 99 Resp: 39913

Ion Ratio Lower Upper

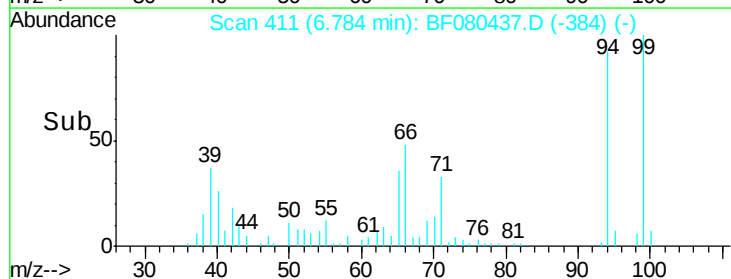
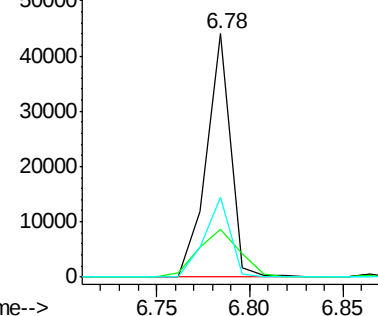
99 100

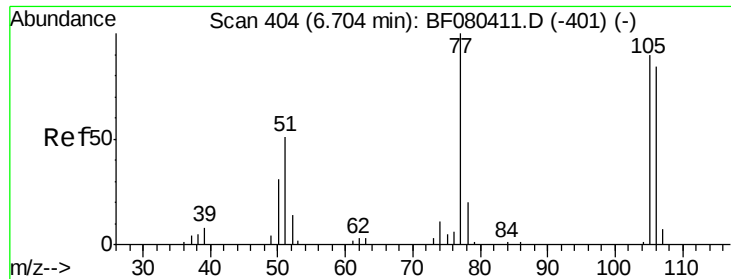
42 19.7 17.9 26.9

71 32.6 30.1 45.1



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

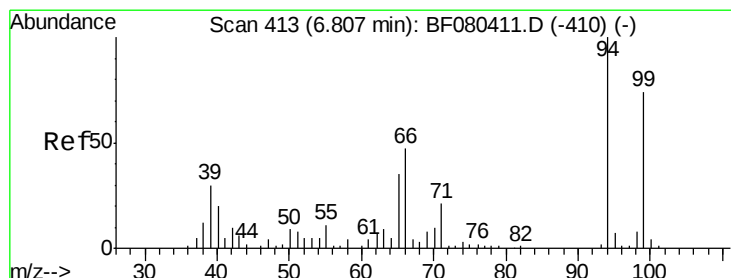
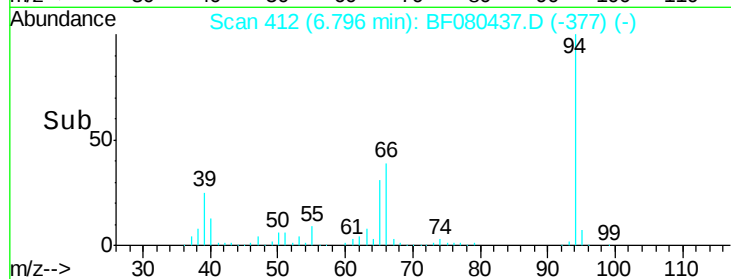
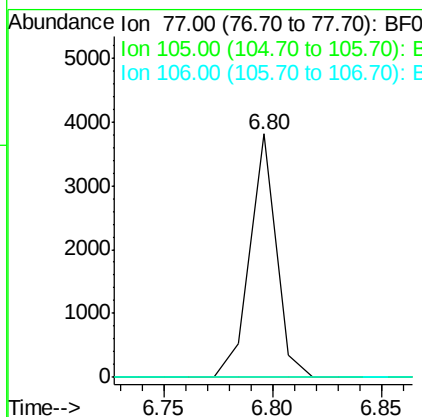
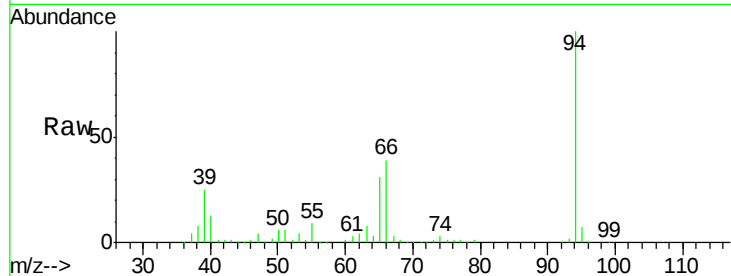




#9
Benzaldehyde
Concen: 3.27 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.10 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

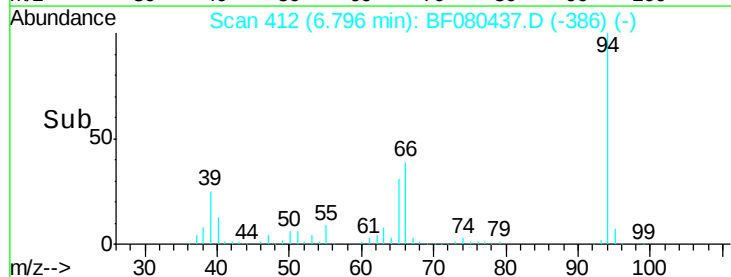
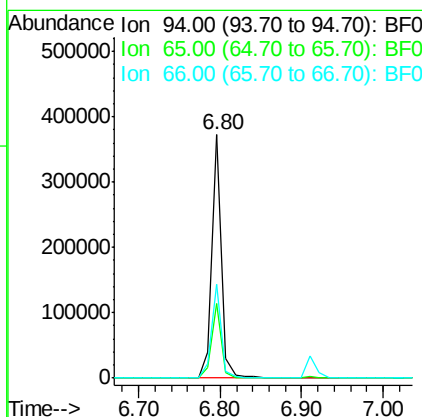
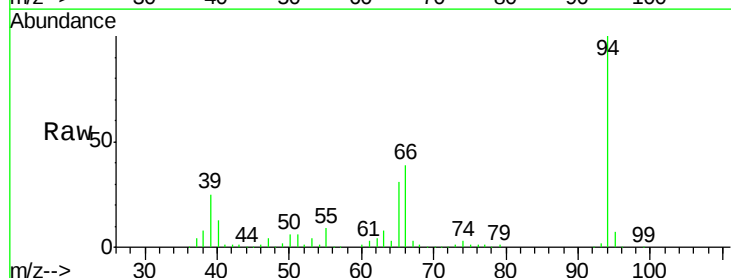
Instrument :
BNA_F
ClientSampleId :
PO-002

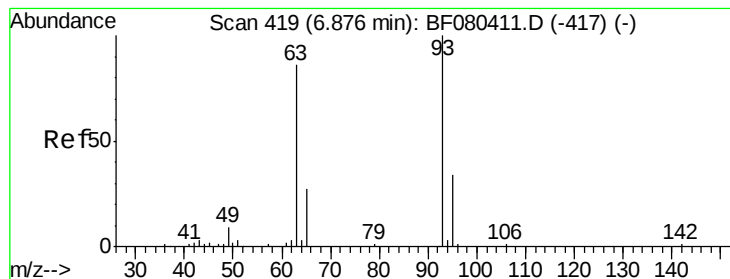
Tgt Ion: 77 Resp: 3209
Ion Ratio Lower Upper
77 100
105 0.0 69.6 109.6#
106 0.0 63.6 103.6#



#10
Phenol
Concen: 160.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

Tgt Ion: 94 Resp: 313717
Ion Ratio Lower Upper
94 100
65 30.5 15.0 55.0
66 38.5 27.1 67.1

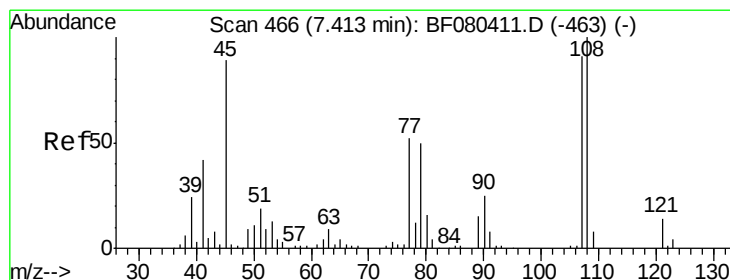
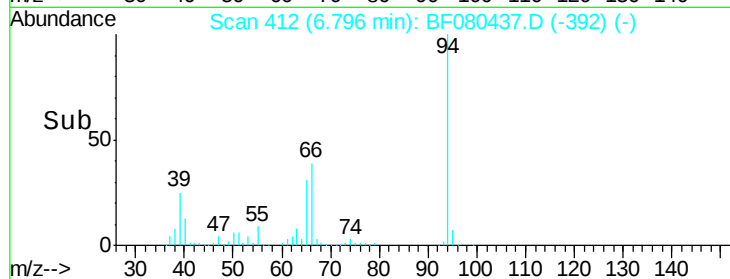
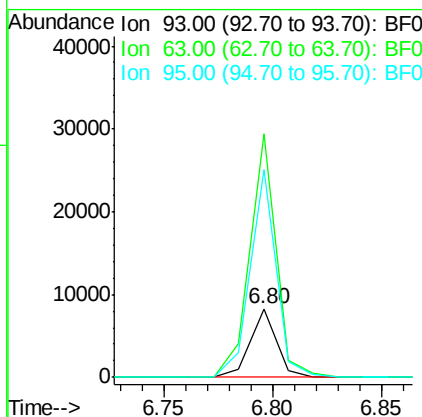
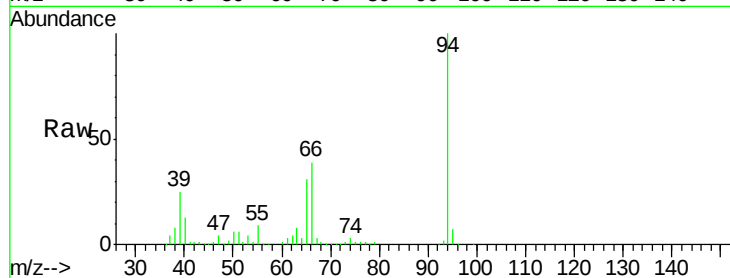




#11
bis(2-Chloroethyl)ether
Concen: 4.22 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.07 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

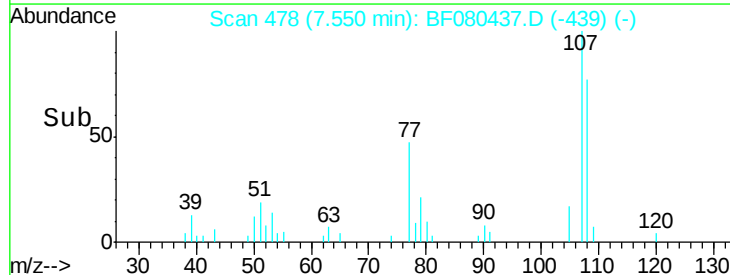
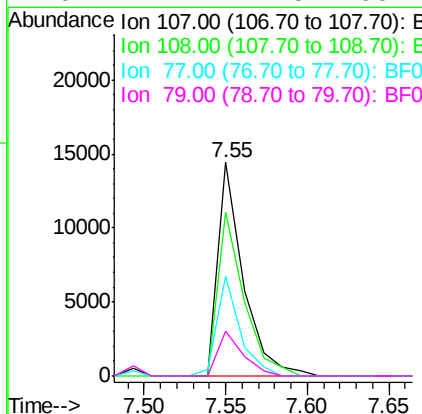
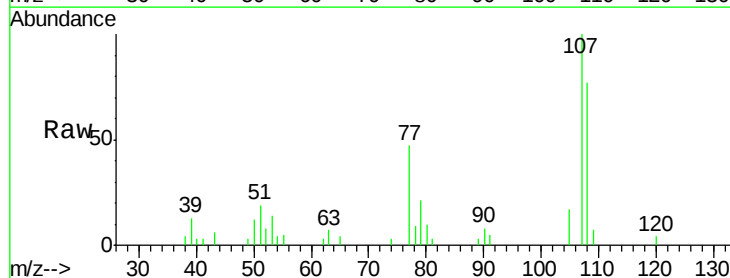
Instrument :
BNA_F
ClientSampleId :
PO-002

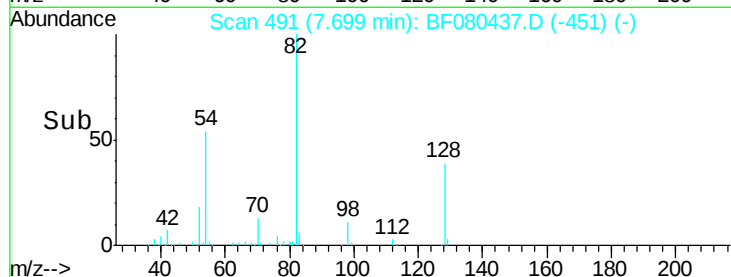
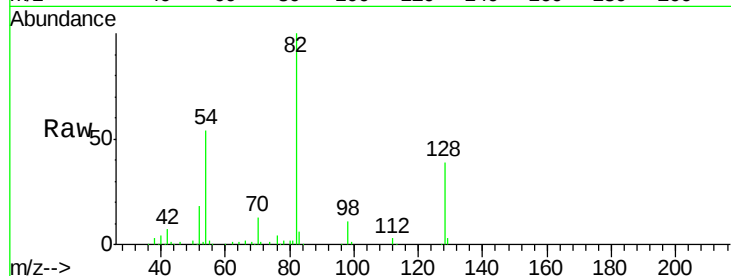
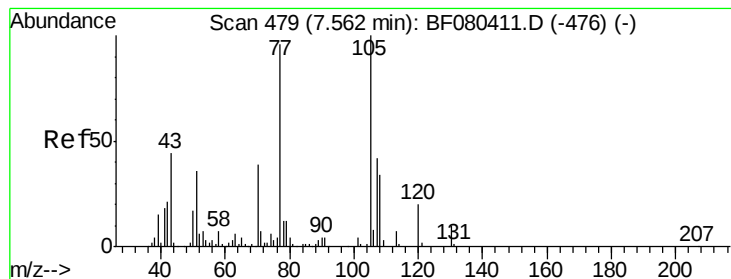
Tgt Ion: 93 Resp: 6813
Ion Ratio Lower Upper
93 100
63 354.9 62.9 102.9#
95 303.0 12.2 52.2#



#17
2-Methylphenol
Concen: 11.16 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.15 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

Tgt Ion: 107 Resp: 15563
Ion Ratio Lower Upper
107 100
108 76.8 88.0 132.0#
77 46.6 45.9 68.9
79 21.2 44.5 66.7#





#19

n-Nitroso-di-n-propylamine

Concen: 12.18 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.16 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampleId :

PO-002

Tgt Ion: 70 Resp: 14785

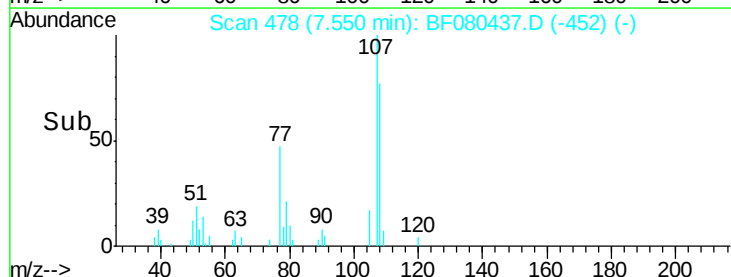
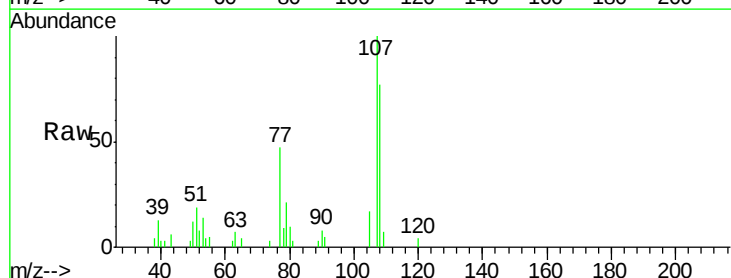
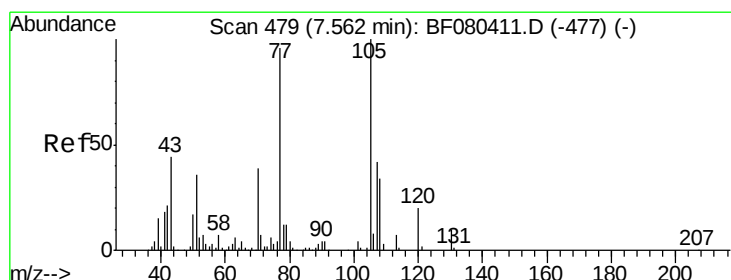
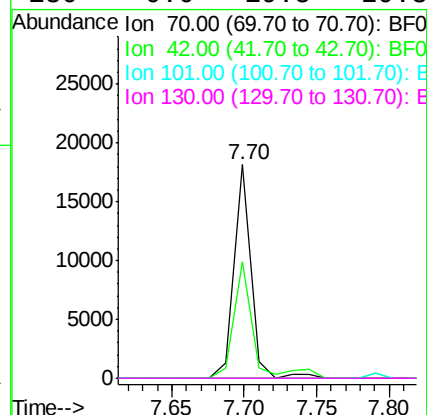
Ion Ratio Lower Upper

70 100

42 54.7 43.4 65.0

101 0.0 9.0 13.6#

130 0.0 19.5 29.3#



#20

3+4-Methylphenols

Concen: 8.88 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Tgt Ion: 107 Resp: 15563

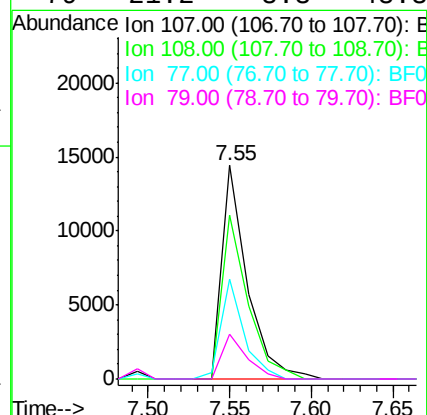
Ion Ratio Lower Upper

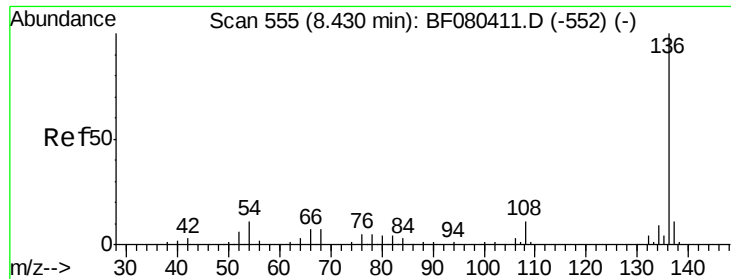
107 100

108 76.8 60.8 100.8

77 46.6 207.5 247.5#

79 21.2 8.3 48.3

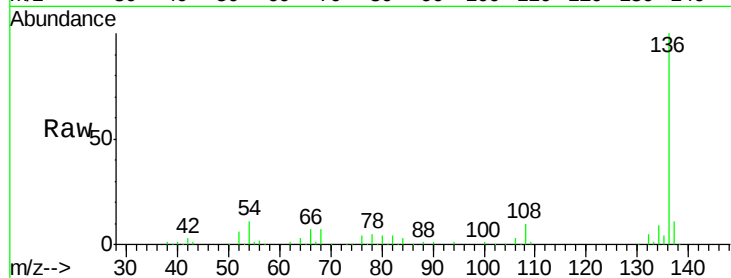




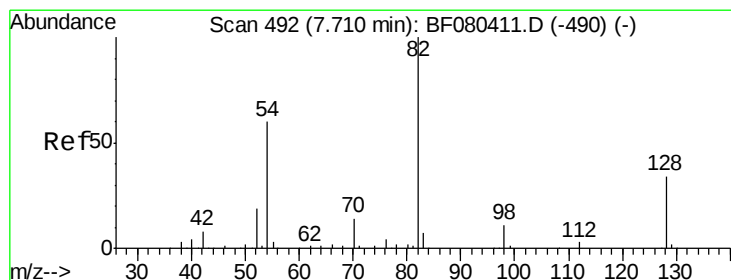
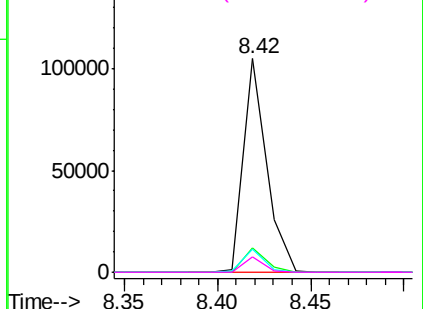
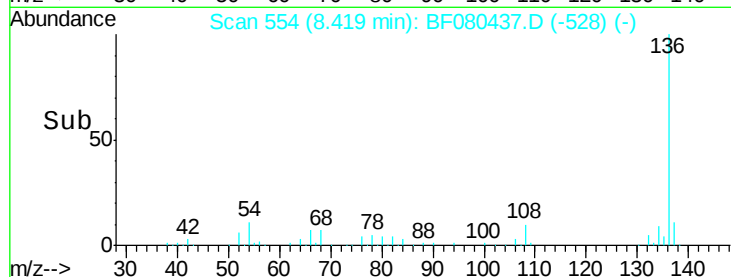
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.42 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

Instrument :
BNA_F
ClientSampleId :
PO-002

Tgt Ion:	136	Resp:	90705
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	11.0	9.1	13.7
68	7.4	5.9	8.9

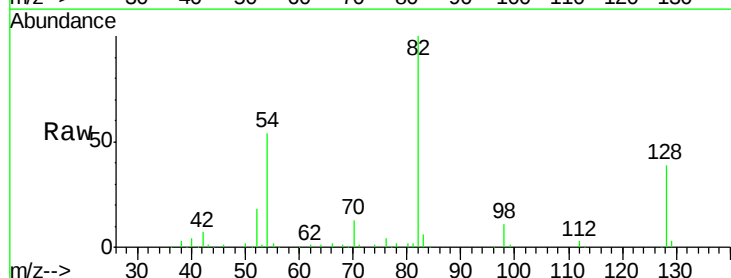


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

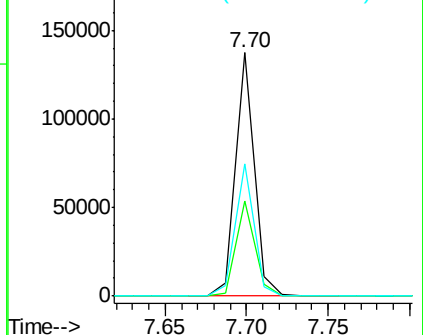
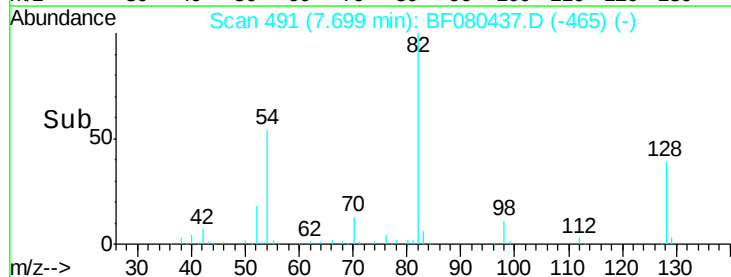


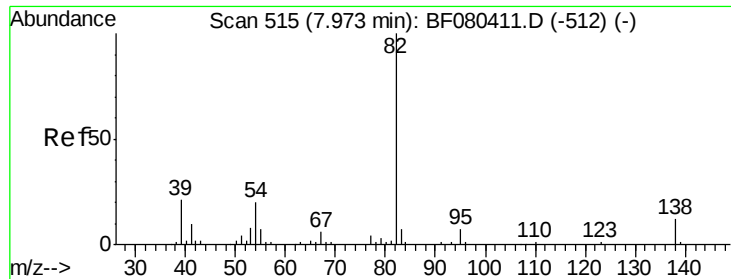
#23
Nitrobenzene-d5
Concen: 67.62 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF080437.D
Acq: 13 Jul 2015 20:32

Tgt Ion:	82	Resp:	107541
Ion	Ratio	Lower	Upper
82	100		
128	39.0	26.9	40.3
54	54.1	47.7	71.5



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





#25

Isophorone

Concen: 37.73 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.25 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampleId :

PO-002

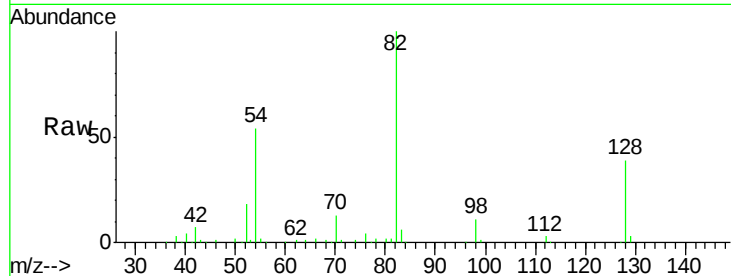
Tgt Ion: 82 Resp: 107535

Ion Ratio Lower Upper

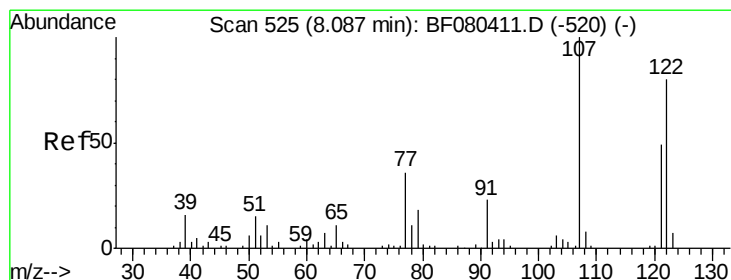
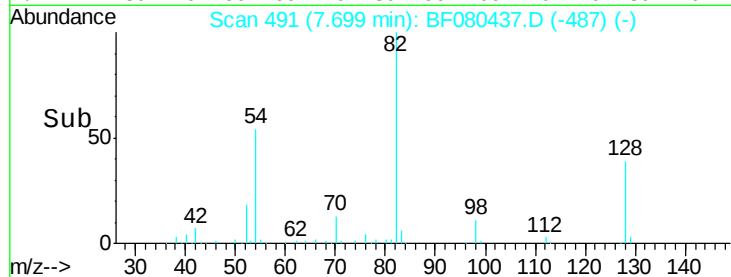
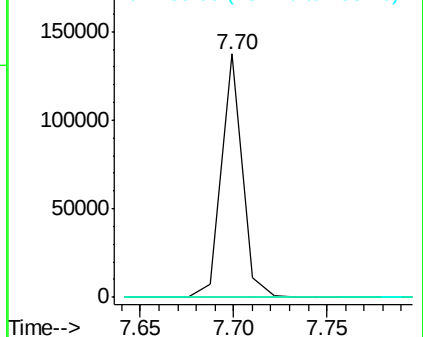
82 100

95 0.0 5.4 8.2#

138 0.0 9.5 14.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#27

2,4-Dimethylphenol

Concen: 18.48 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.09 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

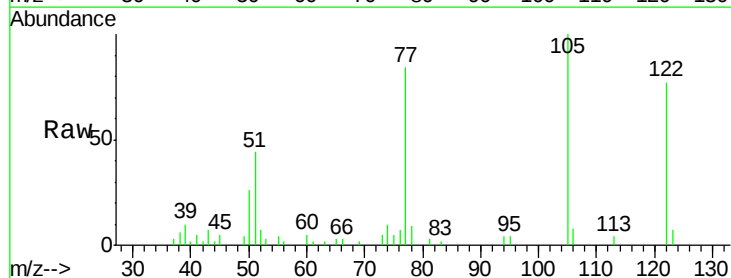
Tgt Ion: 122 Resp: 24570

Ion Ratio Lower Upper

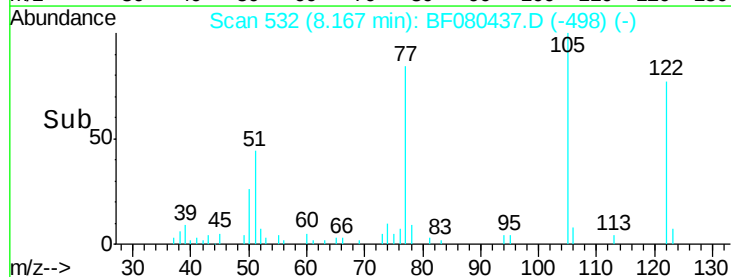
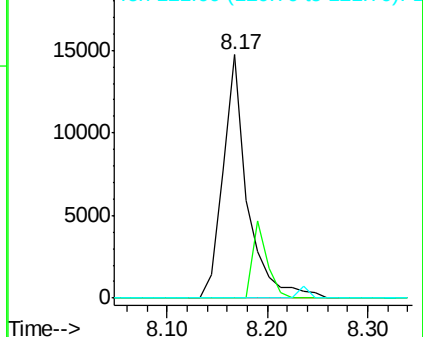
122 100

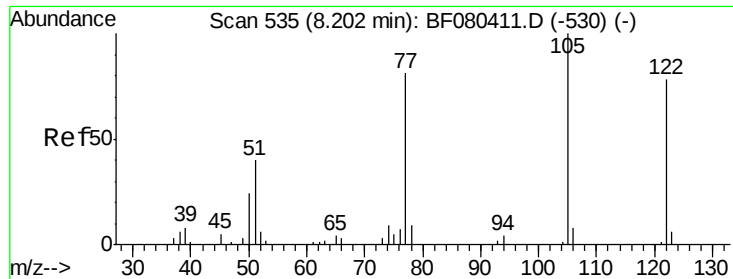
107 0.0 99.5 149.3#

121 0.0 48.4 72.6#



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





#32

Benzoic acid

Concen: 26.29 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampleId :

PO-002

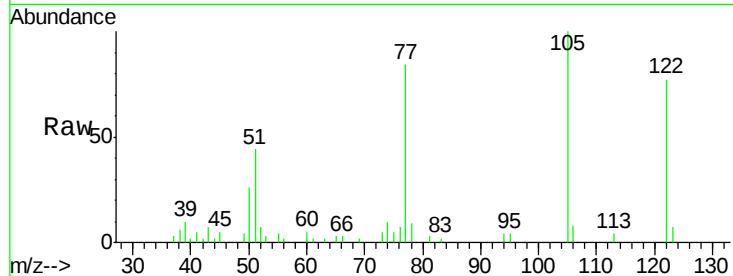
Tgt Ion:122 Resp: 24570

Ion Ratio Lower Upper

122 100

105 129.3 108.8 148.8

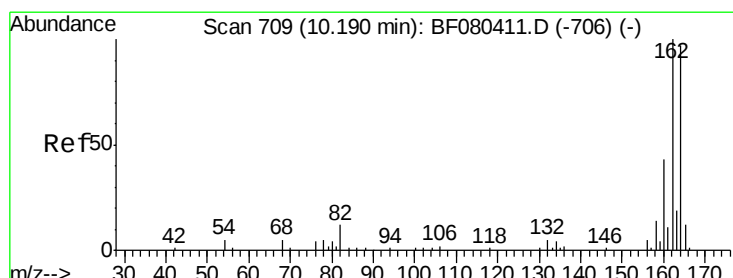
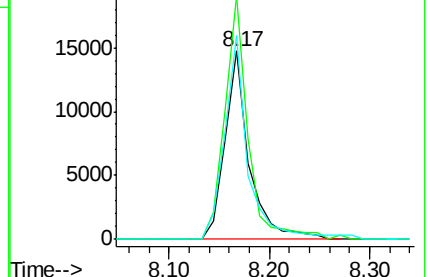
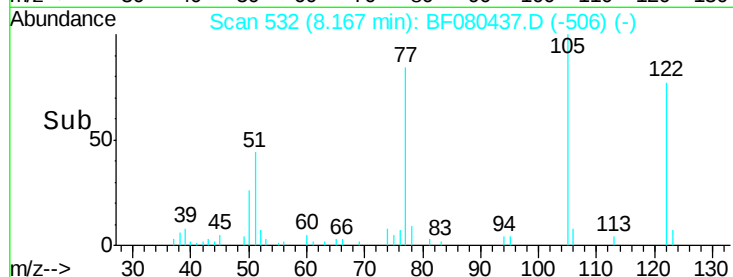
77 108.1 84.2 124.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

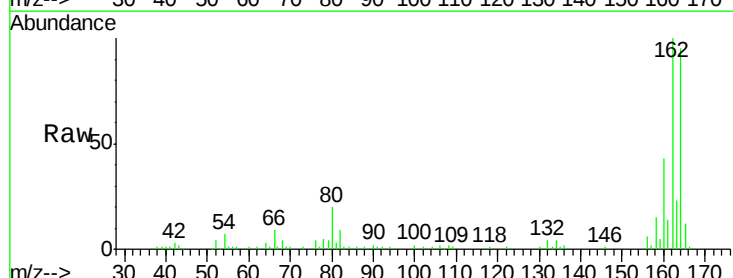
Tgt Ion:164 Resp: 49057

Ion Ratio Lower Upper

164 100

162 104.8 82.7 124.1

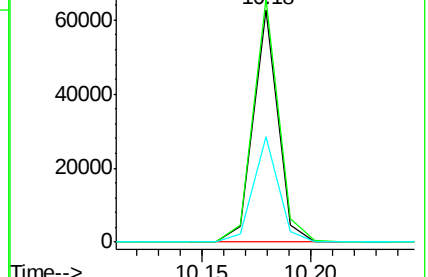
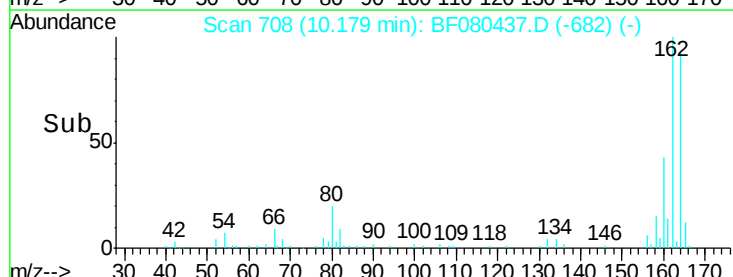
160 45.5 35.5 53.3

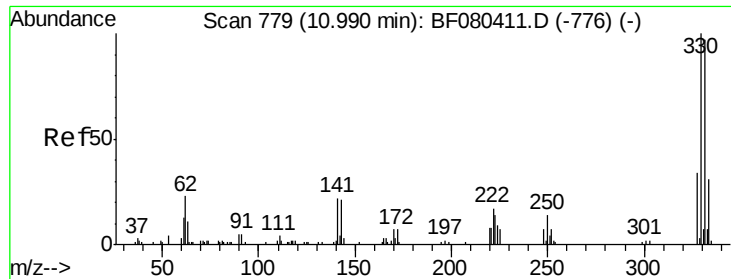


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

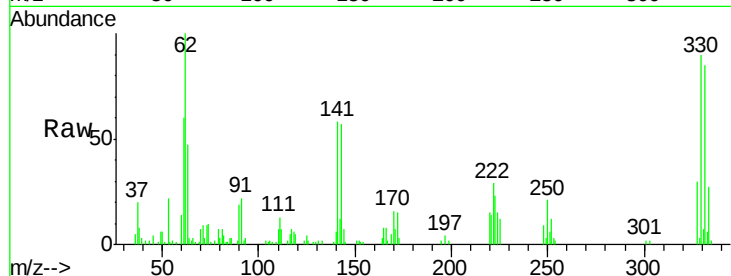




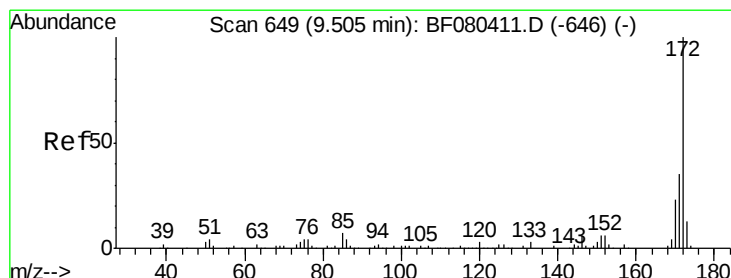
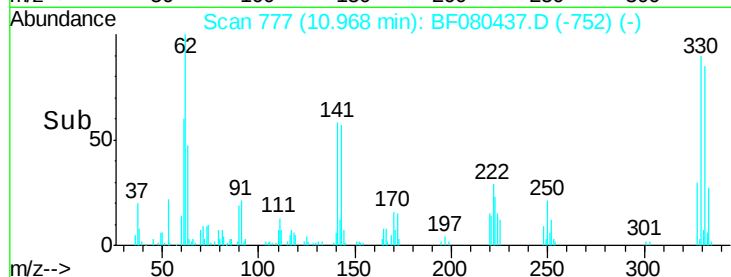
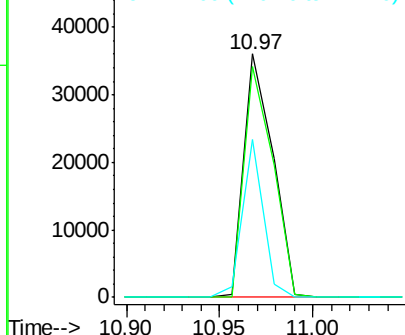
#41
 2,4,6-Tribromophenol
 Concen: 82.06 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Instrument :
 BNA_F
 ClientSampleID :
 PO-002

Tgt Ion:330 Resp: 39288
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.0 117.0
 141 46.9 28.6 43.0#

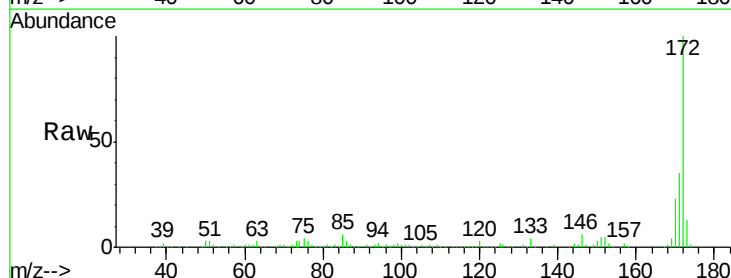


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

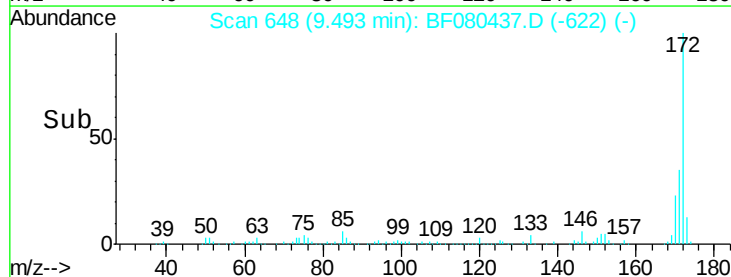
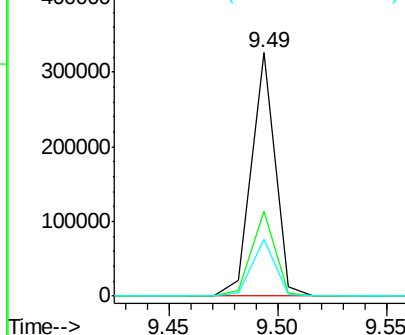


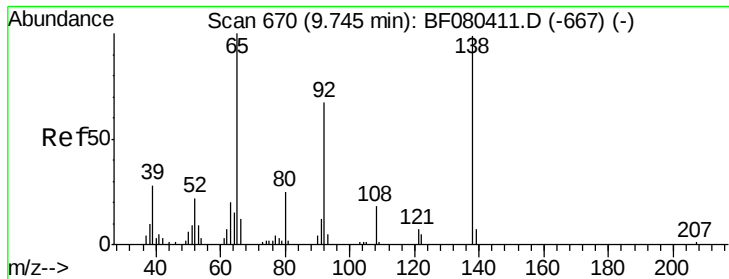
#44
 2-Fluorobiphenyl
 Concen: 67.67 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Tgt Ion:172 Resp: 246468
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.4 42.6
 170 23.2 18.6 28.0



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





#47

2-Nitroaniline

Concen: 4.99 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.02 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

Instrument :

BNA_F

ClientSampleId :

PO-002

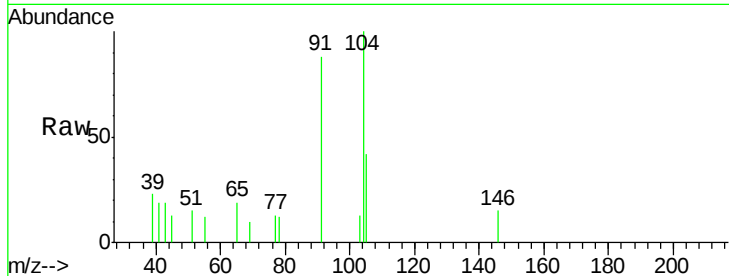
Tgt Ion: 65 Resp: 386

Ion Ratio Lower Upper

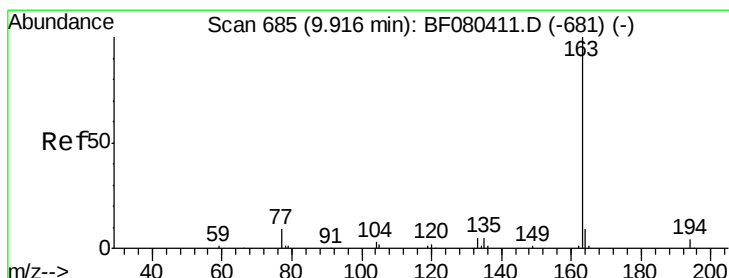
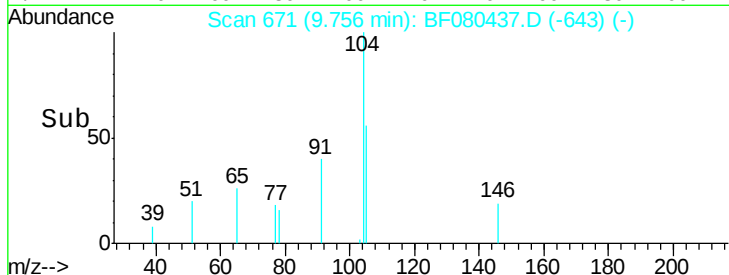
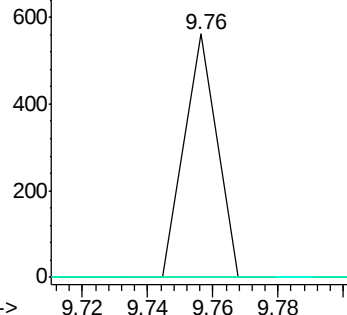
65 100

92 0.0 53.2 79.8#

138 0.0 78.9 118.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#49

Dimethylphthalate

Concen: 9.19 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF080437.D

Acq: 13 Jul 2015 20:32

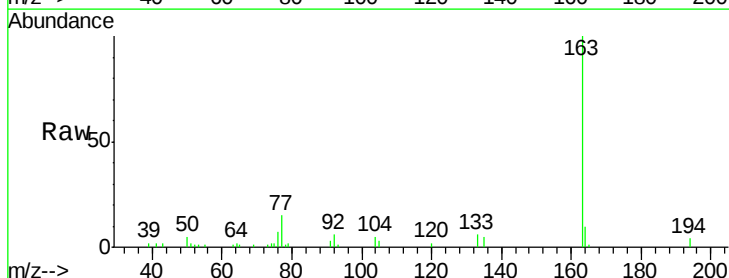
Tgt Ion:163 Resp: 34087

Ion Ratio Lower Upper

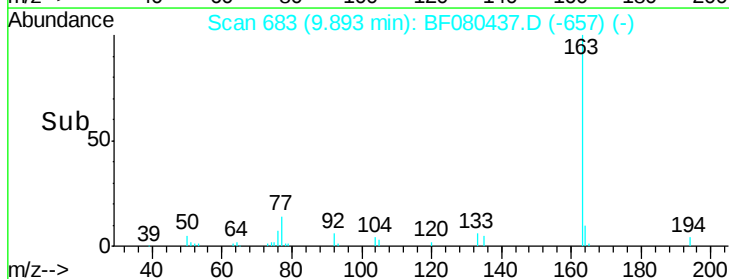
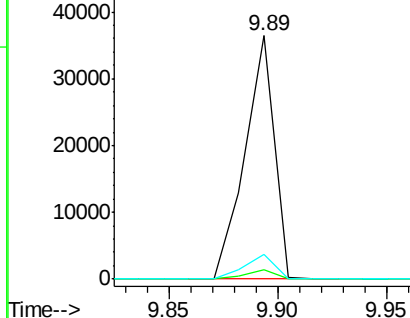
163 100

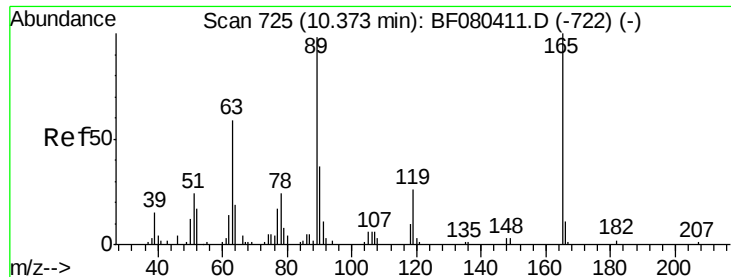
194 3.8 3.4 5.2

164 10.3 7.4 11.0



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

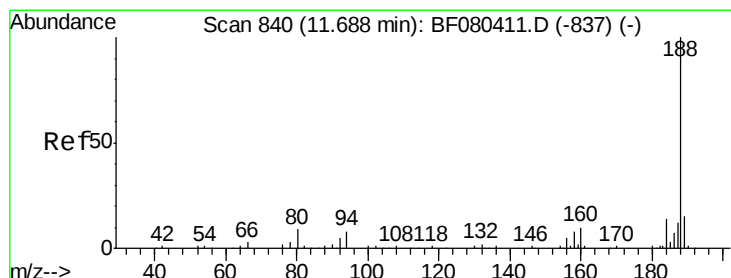
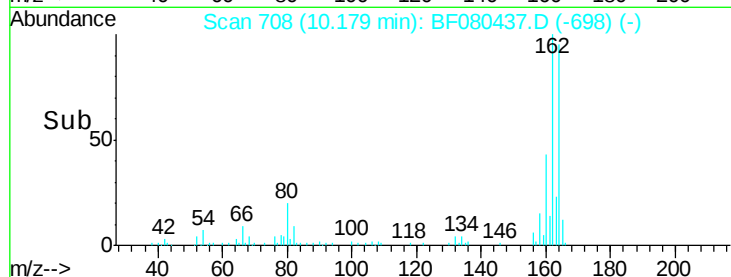
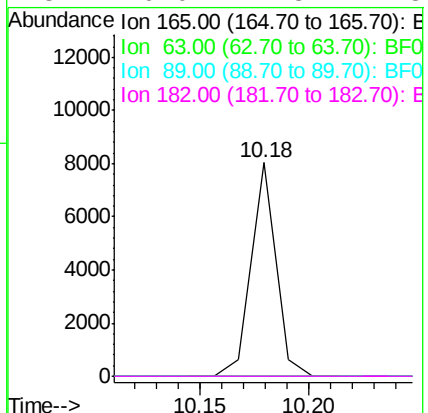
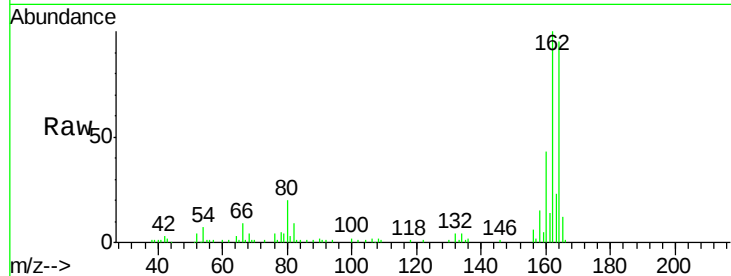




#56
 2,4-Dinitrotoluene
 Concen: 6.56 ng
 RT: 10.18 min Scan# 708
 Delta R.T. -0.18 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

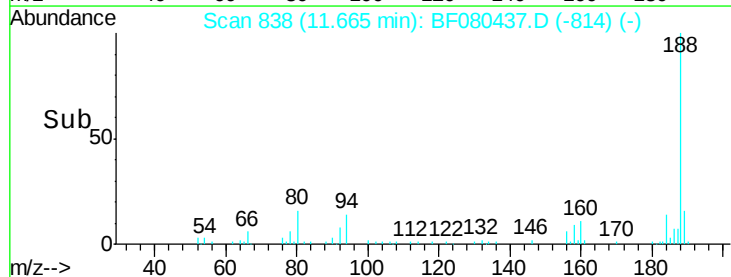
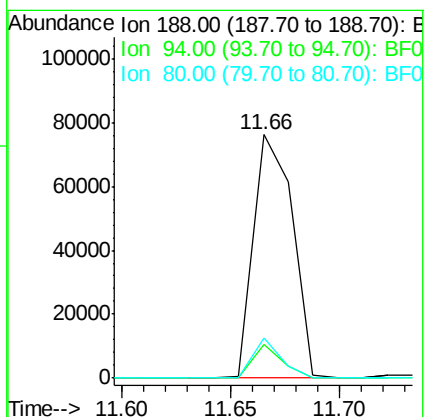
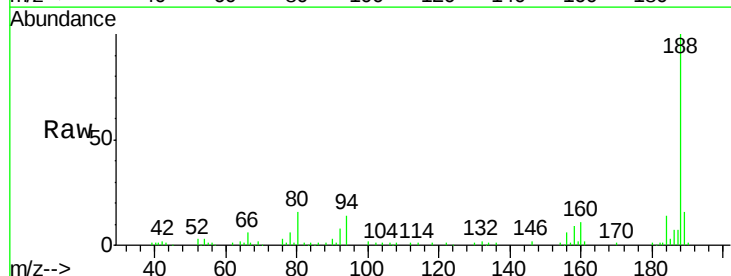
Instrument :
 BNA_F
 ClientSampleId :
 PO-002

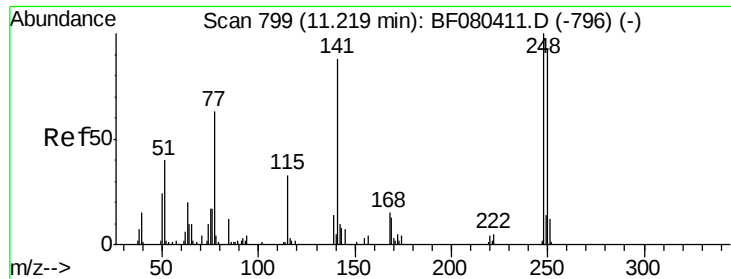
Tgt Ion:165 Resp: 6386
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.7 77.5#
 89 0.0 78.6 117.8#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.66 min Scan# 838
 Delta R.T. -0.02 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Tgt Ion:188 Resp: 95232
 Ion Ratio Lower Upper
 188 100
 94 13.8 6.7 10.1#
 80 16.4 7.5 11.3#

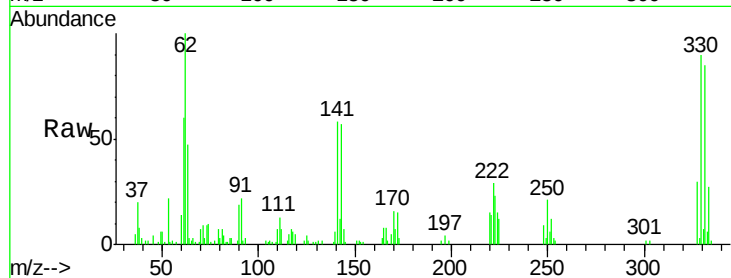




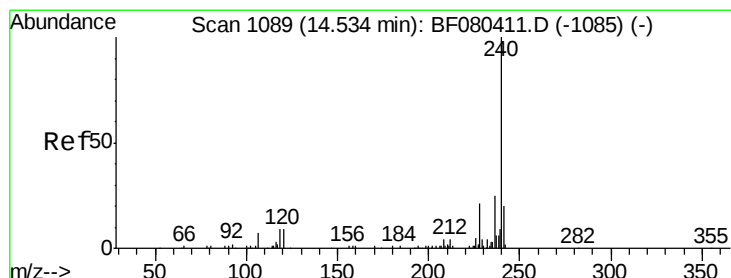
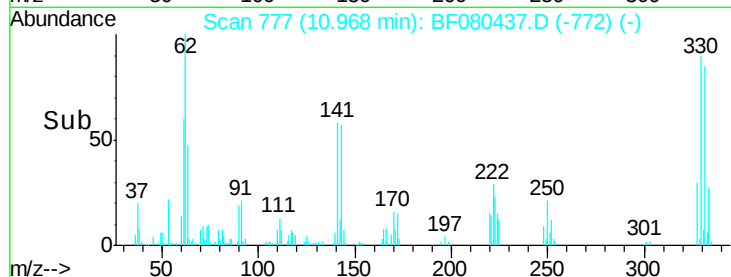
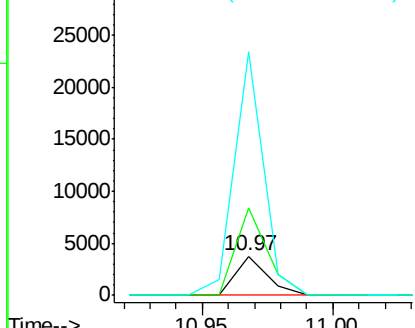
#66
 4-Bromophenyl-phenylether
 Concen: 3.16 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.24 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Instrument :
 BNA_F
 ClientSampleId :
 PO-002

Tgt Ion:248 Resp: 3205
 Ion Ratio Lower Upper
 248 100
 250 224.3 74.2 111.4#
 141 625.2 70.7 106.1#

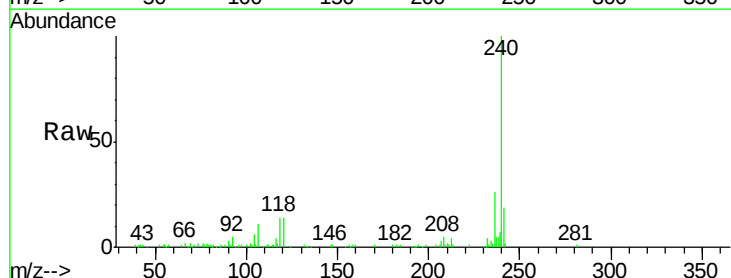


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

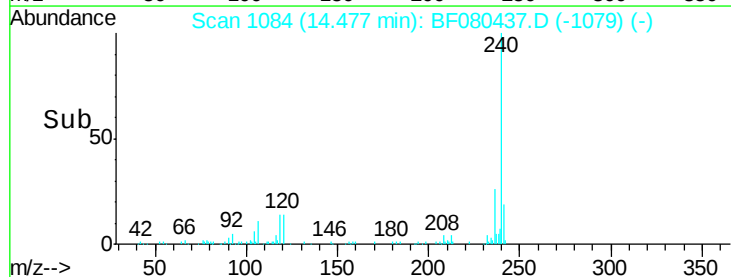
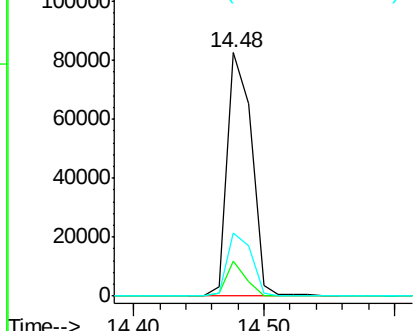


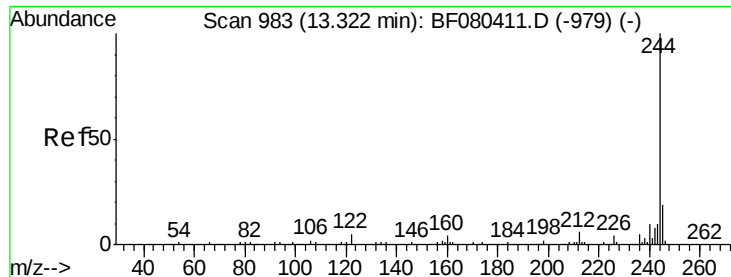
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.48 min Scan# 1084
 Delta R.T. -0.24 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Tgt Ion:240 Resp: 106980
 Ion Ratio Lower Upper
 240 100
 120 14.2 7.4 11.2#
 236 25.8 19.7 29.5



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

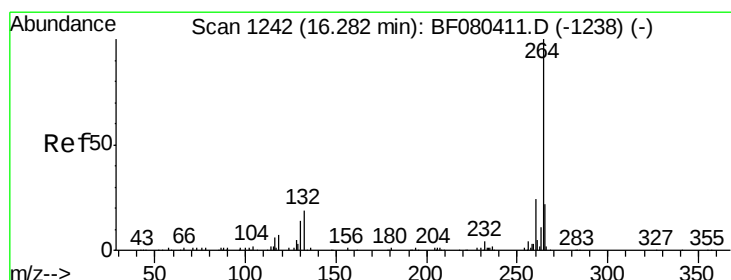
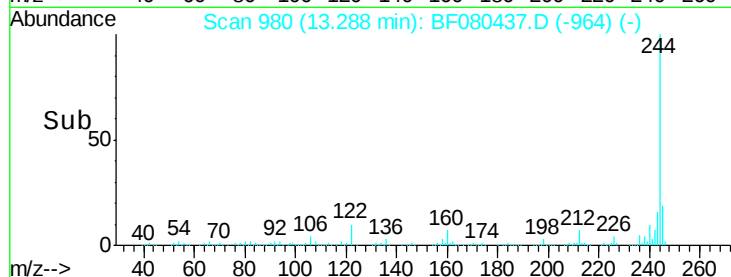
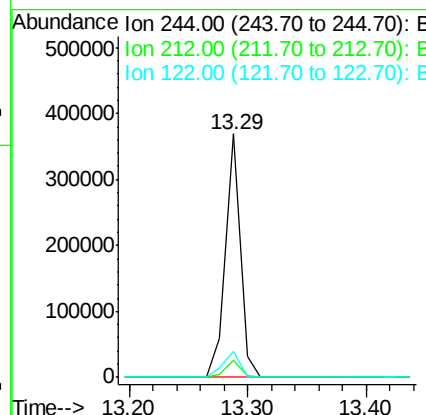
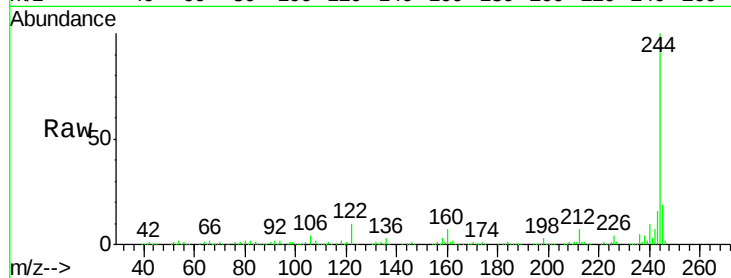




#78
 Terphenyl-d14
 Concen: 64.44 ng
 RT: 13.29 min Scan# 980
 Delta R.T. -0.11 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Instrument :
 BNA_F
 ClientSampleId :
 PO-002

Tgt Ion:244 Resp: 317437
 Ion Ratio Lower Upper
 244 100
 212 7.1 4.9 7.3
 122 10.4 4.1 6.1#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 1235
 Delta R.T. -0.39 min
 Lab File: BF080437.D
 Acq: 13 Jul 2015 20:32

Tgt Ion:264 Resp: 96122
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 22.3 17.8 26.8

