

Data Path : S:\HPCHEM1\BNA_F\DATA\BF080415\
 Data File : BF080869.D
 Acq On : 5 Aug 2015 8:06
 Operator : TP/UM
 Sample : G3170-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Aug 05 14:20:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

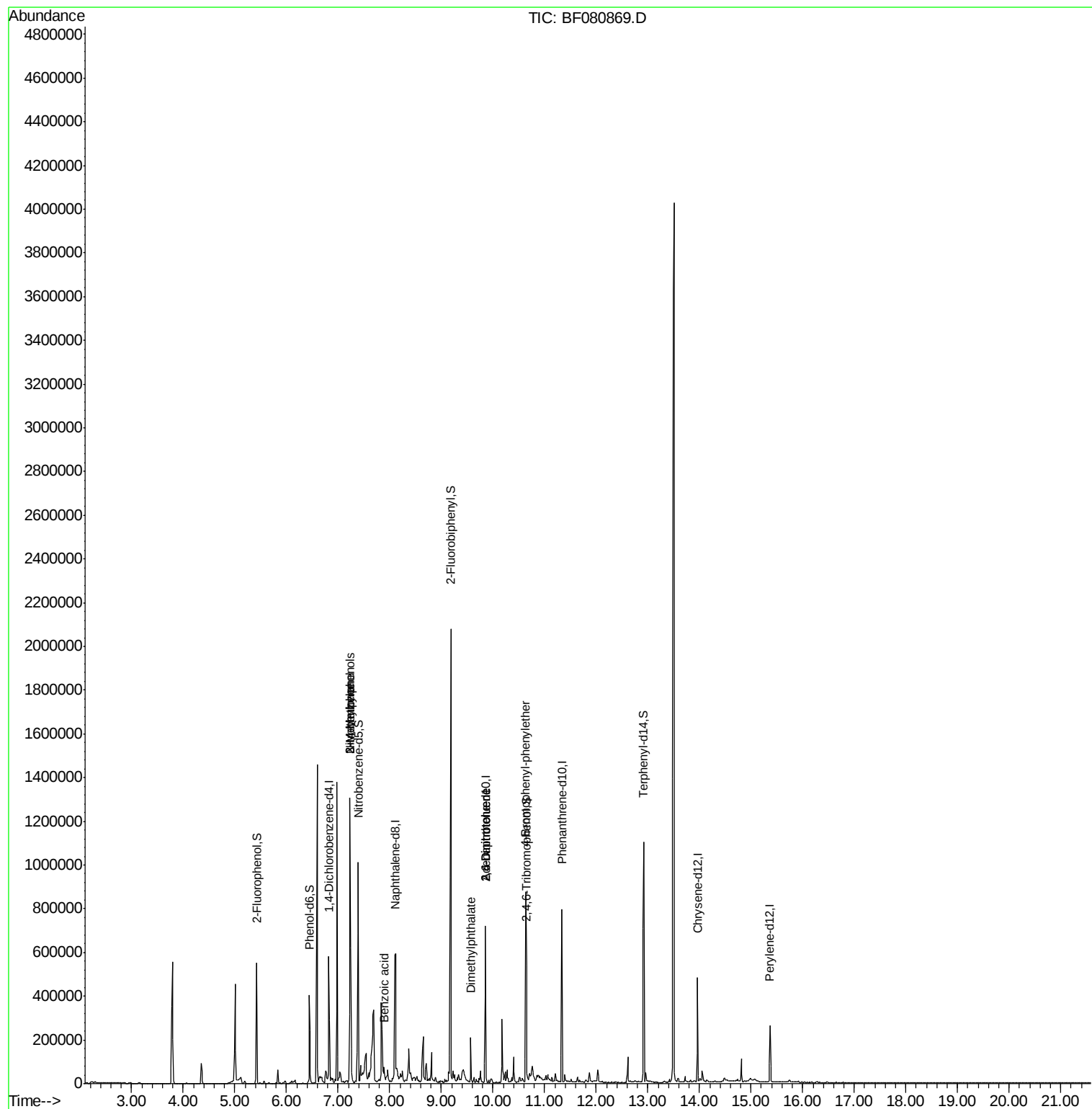
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	93480	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	359729	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	159613	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	260194	20.00	ng	0.00
75) Chrysene-d12	13.96	240	160733	20.00	ng	0.00
86) Perylene-d12	15.37	264	109183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	202874	32.85	ng	0.00
7) Phenol-d6	6.44	99	164513	20.38	ng	-0.01
23) Nitrobenzene-d5	7.39	82	419052	54.90	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	134211	87.19	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	706211	59.58	ng	0.00
78) Terphenyl-d14	12.92	244	425502	47.91	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.23	107	383723	63.32	ng	# 73
20) 3+4-Methylphenols	7.23	107	384649	54.74	ng	# 63
24) Nitrobenzene	7.23	77	124502	15.73	ng	# 42
32) Benzoic acid	7.89	122	13131	5.68	ng	# 10
49) Dimethylphthalate	9.57	163	52295	4.49	ng	100
50) 2,6-Dinitrotoluene	9.86	165	20554	8.44	ng	# 13
56) 2,4-Dinitrotoluene	9.86	165	20554	6.69	ng	# 15
66) 4-Bromophenyl-phenylether	10.64	248	8453	2.94	ng	# 1

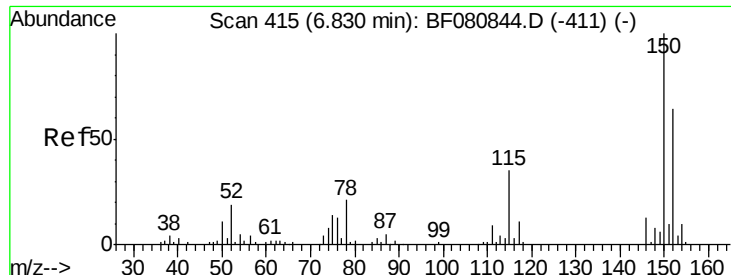
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Instrument :

BNA_F

ClientSampleId :

MW-3

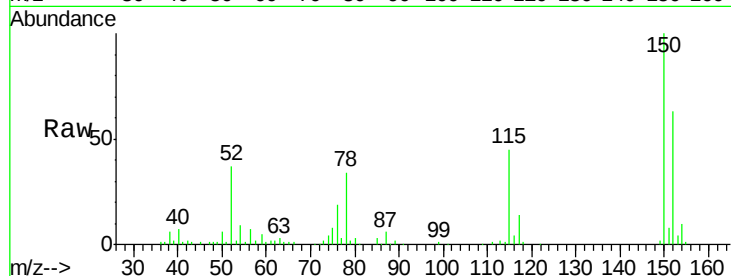
Tgt Ion:152 Resp: 93480

Ion Ratio Lower Upper

152 100

150 159.2 124.6 187.0

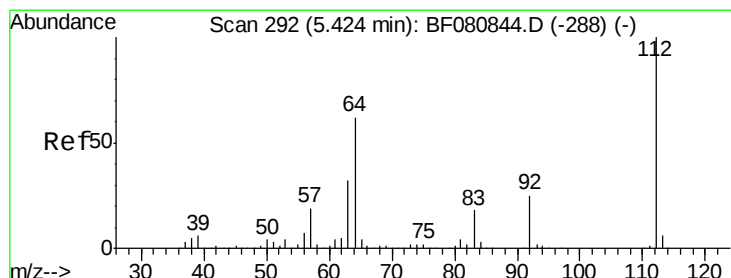
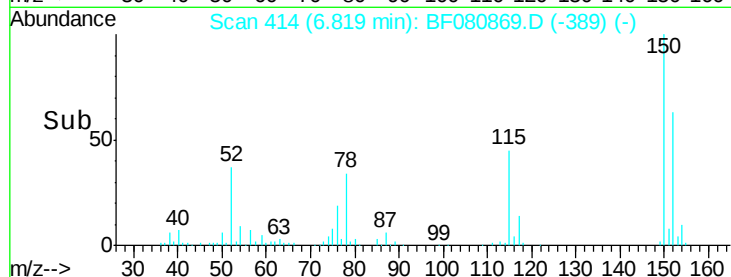
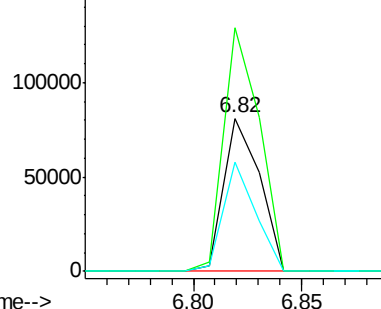
115 71.8 44.2 66.4#



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: 32.85 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.00 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

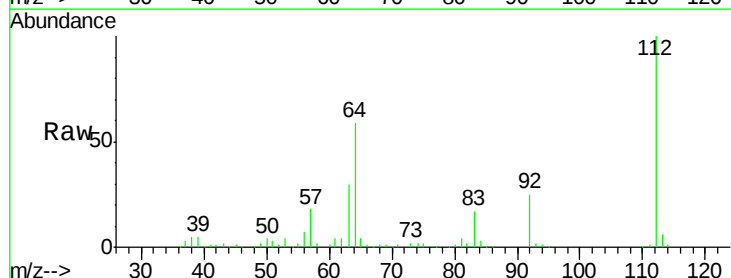
Tgt Ion:112 Resp: 202874

Ion Ratio Lower Upper

112 100

64 58.9 49.5 74.3

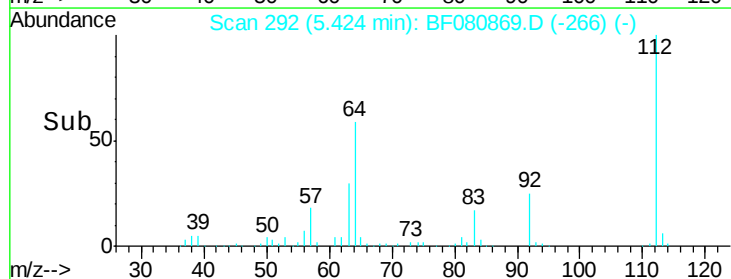
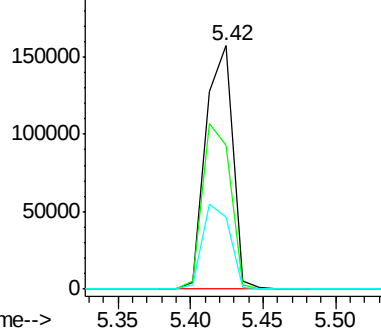
63 29.7 25.3 37.9

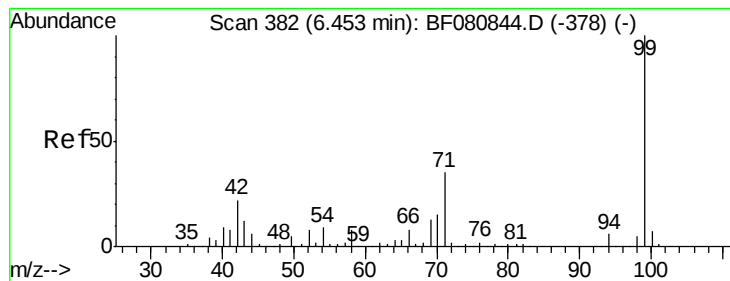


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.38 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Instrument :

BNA_F

ClientSampleId :

MW-3

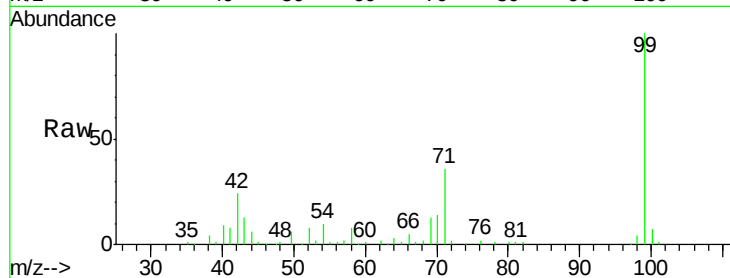
Tgt Ion: 99 Resp: 164513

Ion Ratio Lower Upper

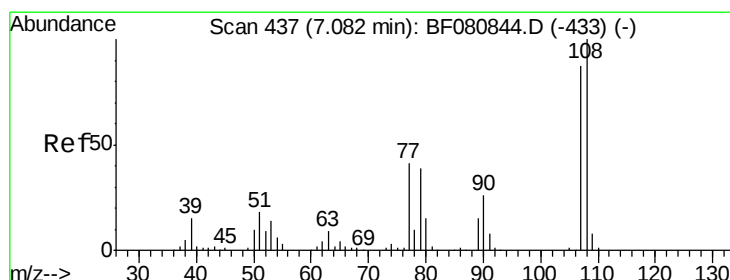
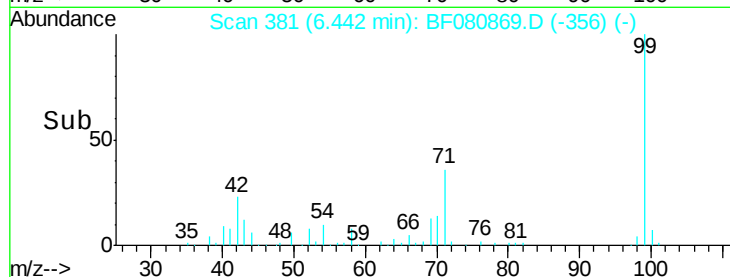
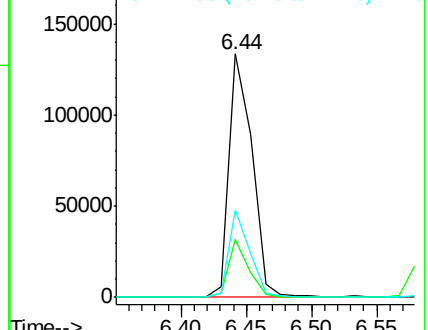
99 100

42 23.7 17.9 26.9

71 36.0 28.2 42.4



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



#17

2-Methylphenol

Concen: 63.32 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.15 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Tgt Ion: 107 Resp: 383723

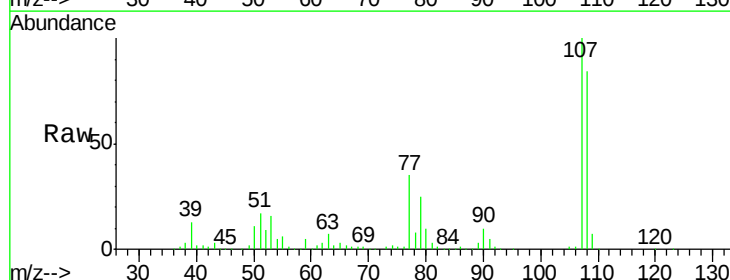
Ion Ratio Lower Upper

107 100

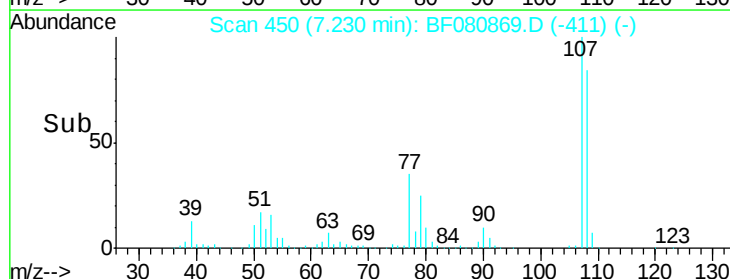
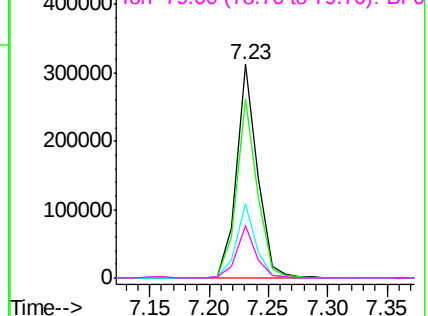
108 84.0 91.8 137.8#

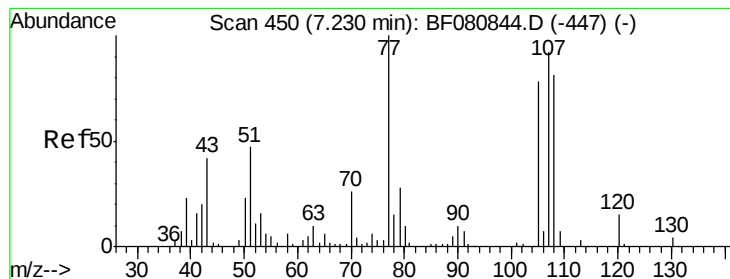
77 34.7 38.2 57.2#

79 24.8 37.4 56.0#



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: 54.74 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion:107 Resp: 384649

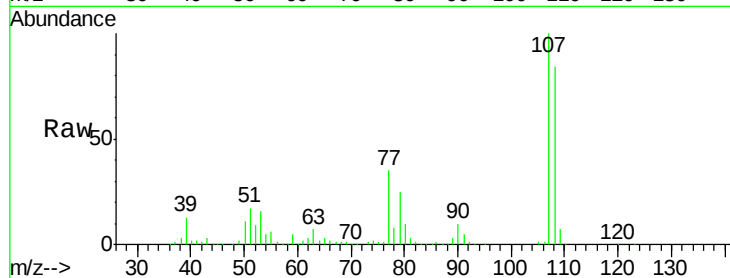
Ion Ratio Lower Upper

107 100

108 84.0 68.2 108.2

77 34.7 88.5 128.5#

79 24.8 10.3 50.3

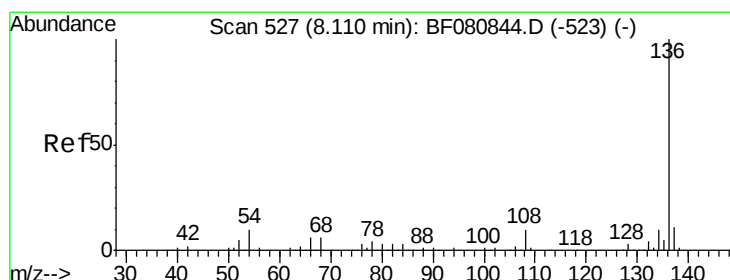
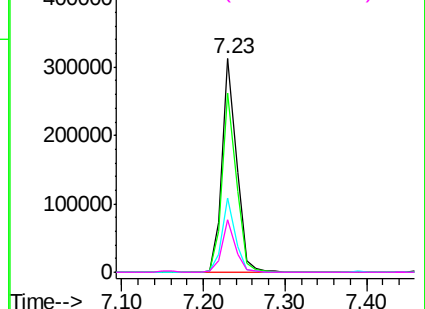
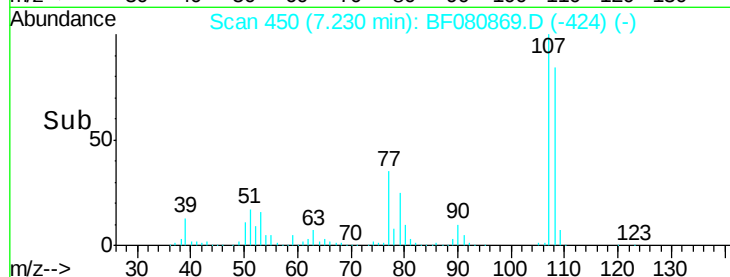


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Tgt Ion:136 Resp: 359729

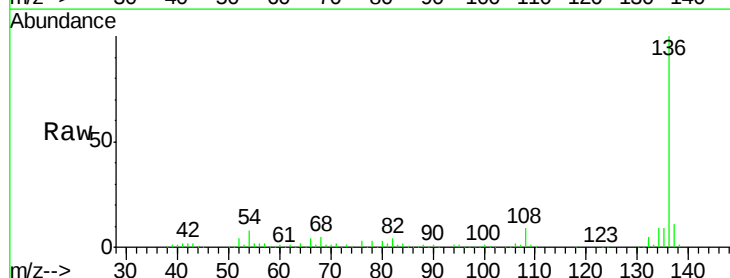
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.1 8.3 12.5#

68 4.9 4.8 7.2

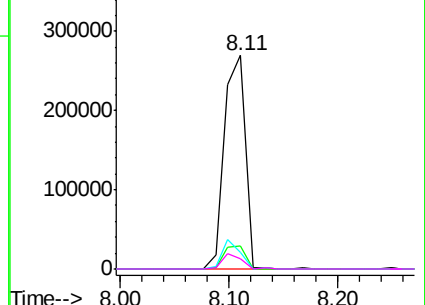
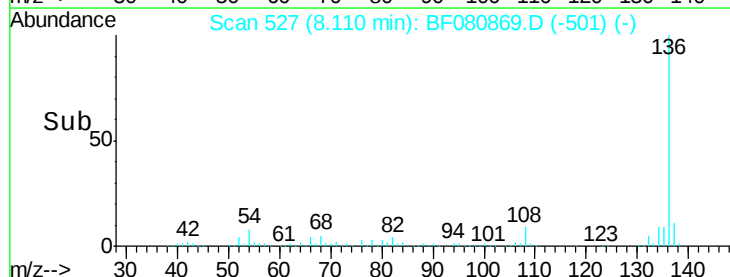


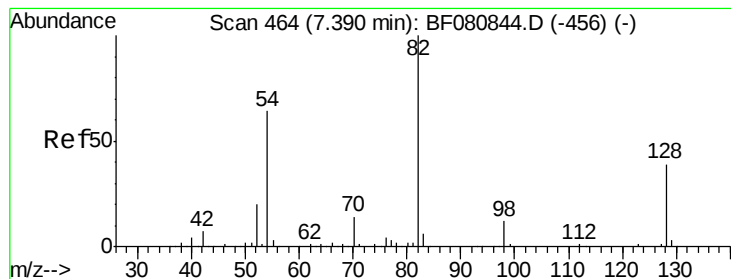
Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.90 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Instrument :

BNA_F

ClientSampled :

MW-3

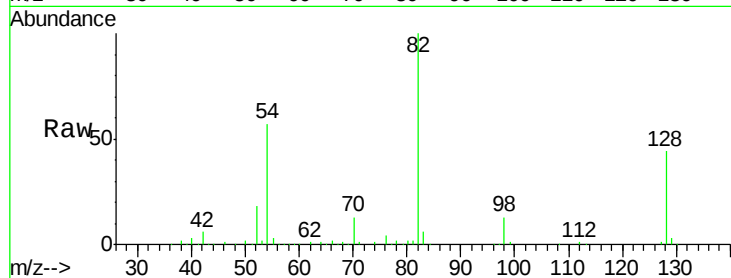
Tgt Ion: 82 Resp: 419052

Ion Ratio Lower Upper

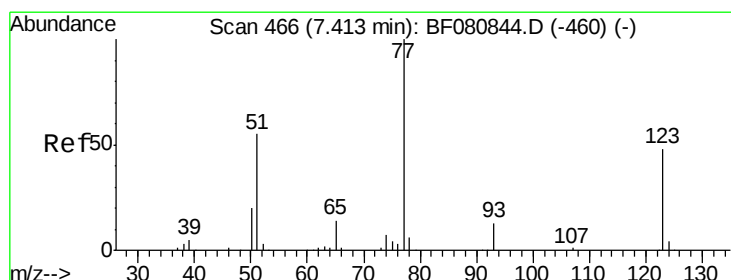
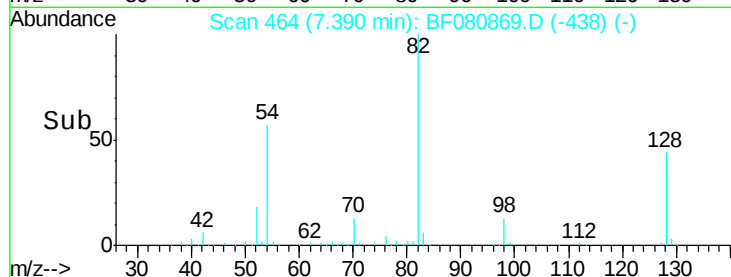
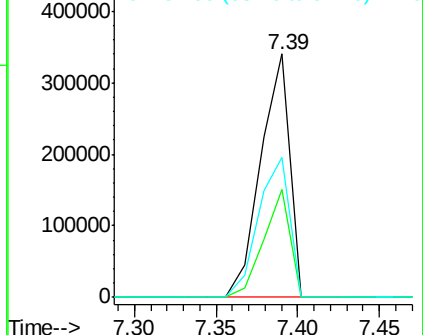
82 100

128 44.5 31.0 46.4

54 57.4 51.0 76.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 15.73 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.18 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

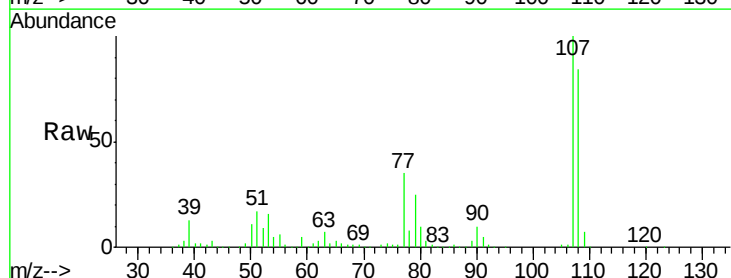
Tgt Ion: 77 Resp: 124502

Ion Ratio Lower Upper

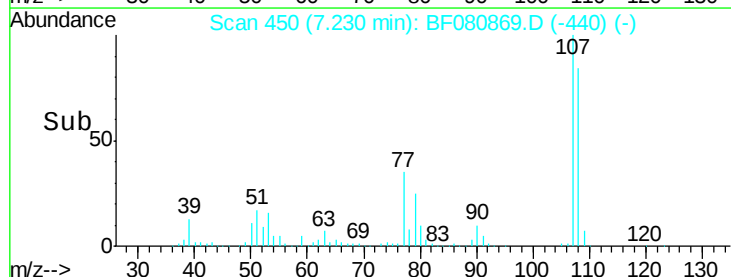
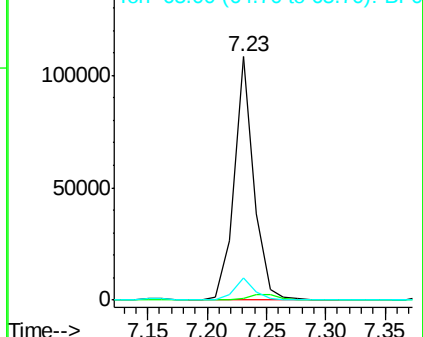
77 100

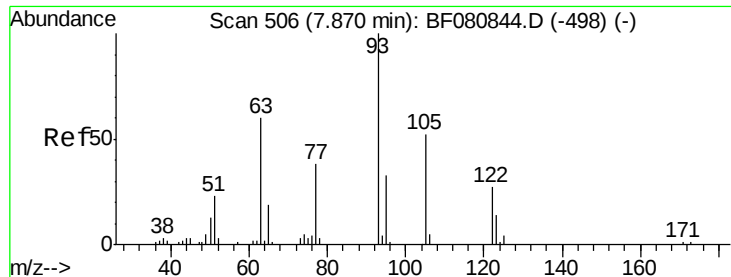
123 0.8 39.7 59.5#

65 9.1 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0

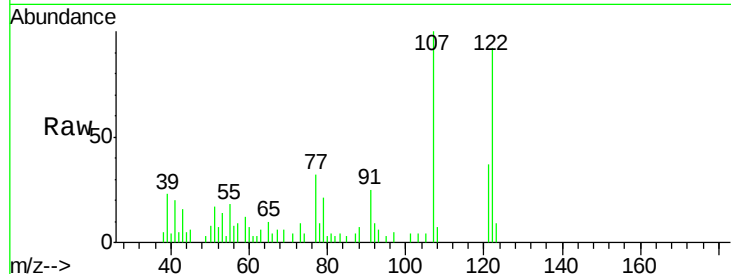




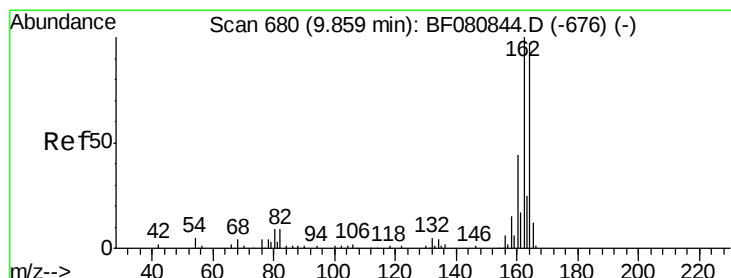
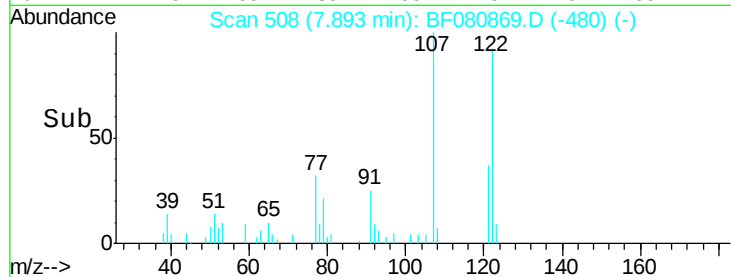
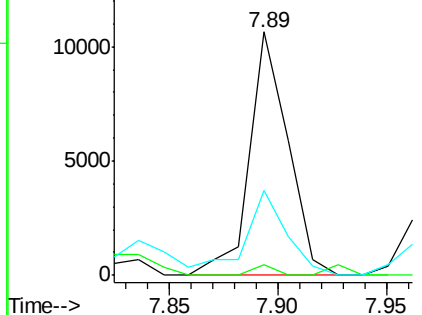
#32
Benzoic acid
Concen: 5.68 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.02 min
Lab File: BF080869.D
Acq: 5 Aug 2015 8:06

Instrument :
BNA_F
ClientSampled :
MW-3

Tgt Ion	Ratio	Lower	Upper
122	100		
105	4.3	110.1	150.1#
77	34.9	83.6	123.6#

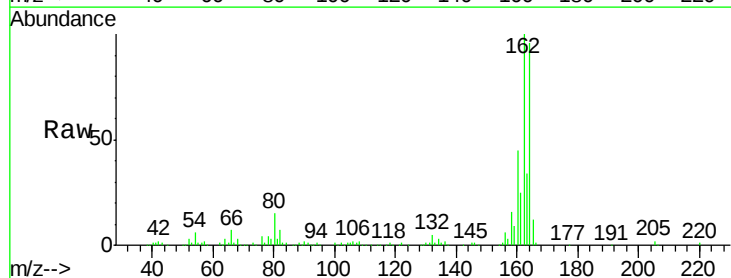


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

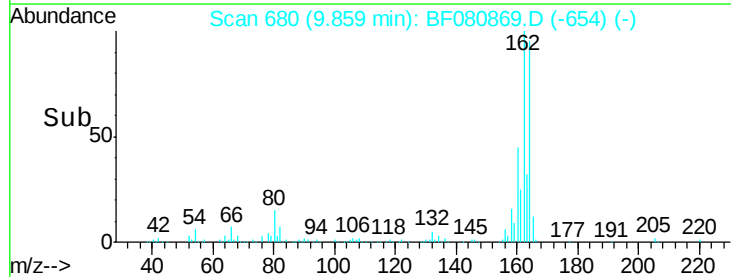
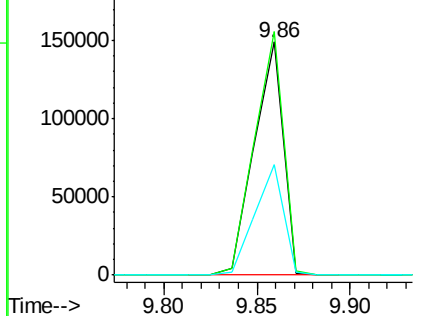


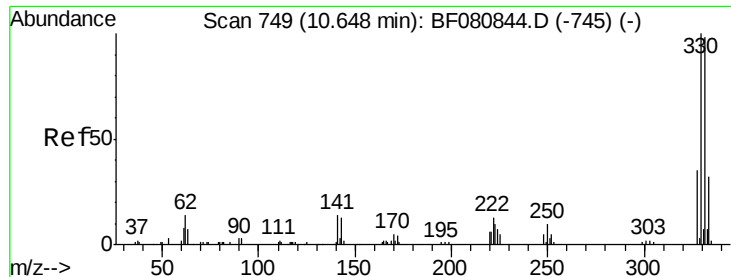
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF080869.D
Acq: 5 Aug 2015 8:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.9	124.3
160	47.4	36.6	54.8



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

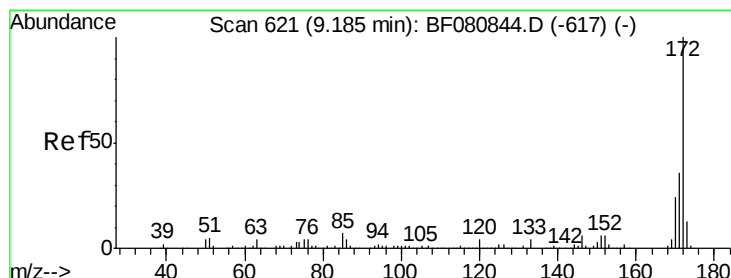
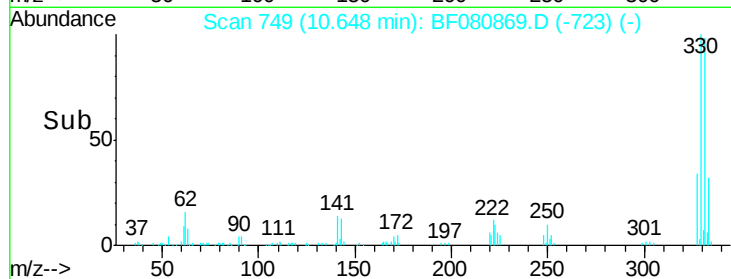
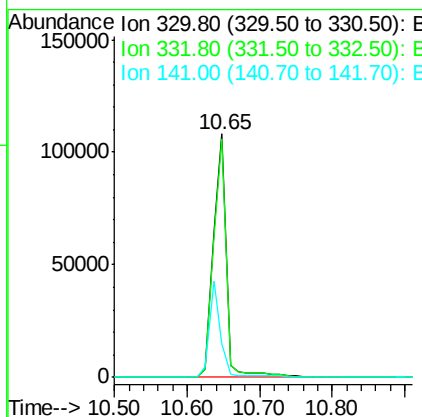
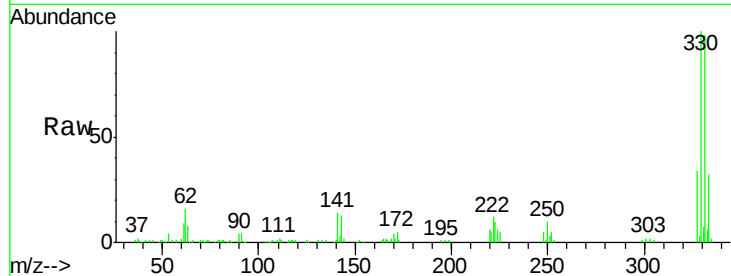




#41
 2,4,6-Tribromophenol
 Concen: 87.19 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

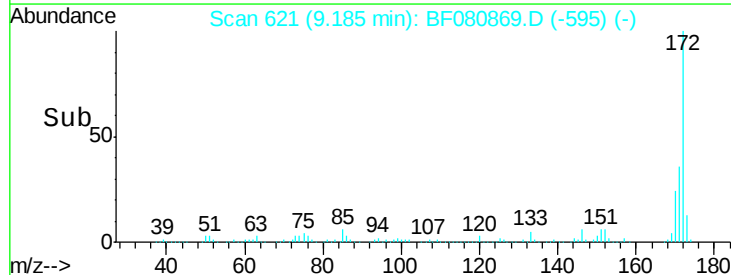
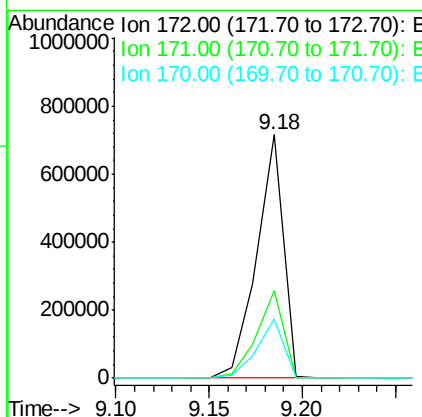
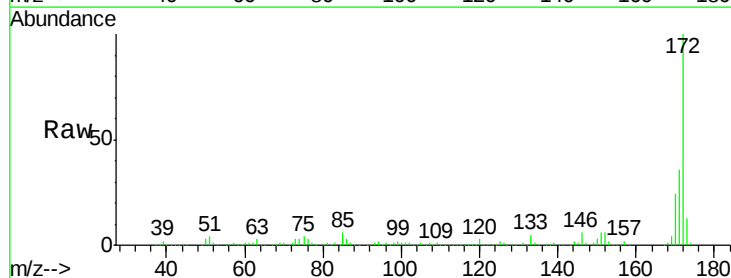
Instrument :
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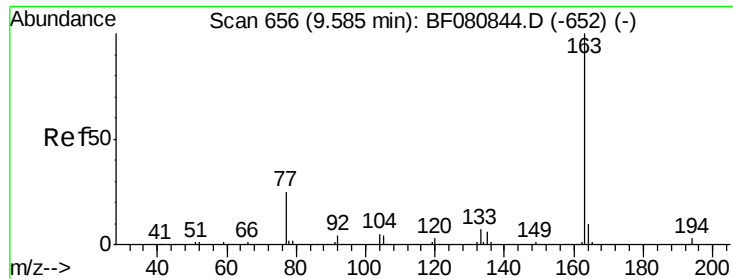
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.8
141	35.6	28.4	42.6



#44
 2-Fluorobiphenyl
 Concen: 59.58 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	24.3	19.4	29.2

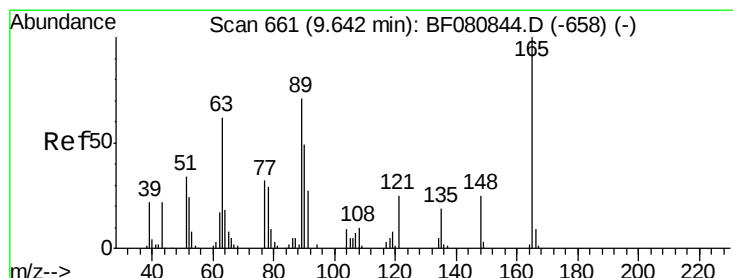
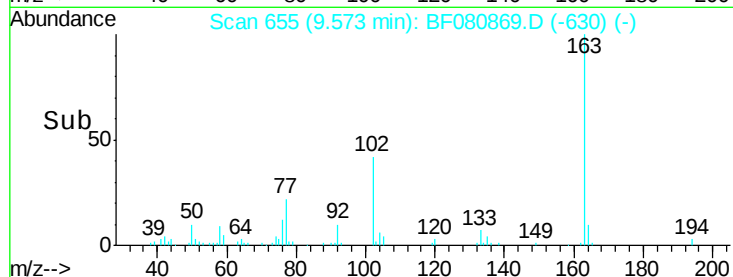
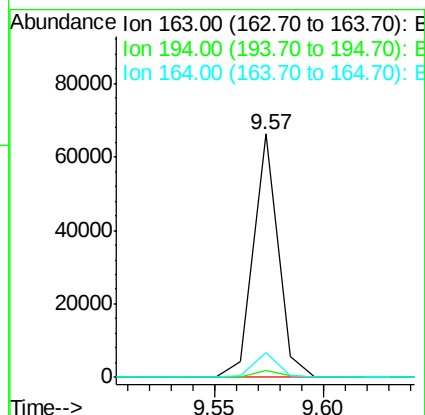
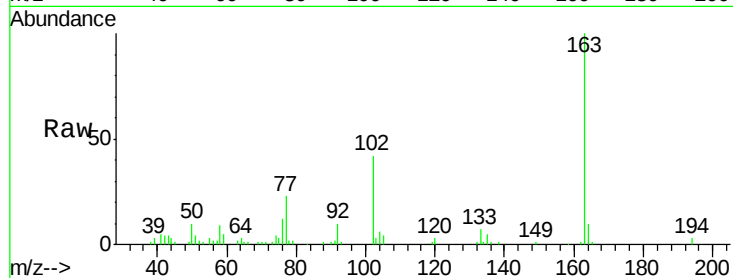




#49
Dimethylphthalate
Concen: 4.49 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF080869.D
Acq: 5 Aug 2015 8:06

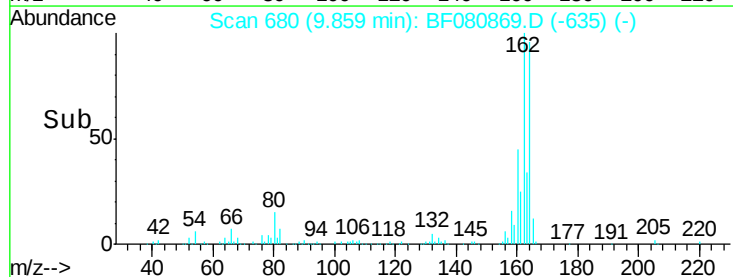
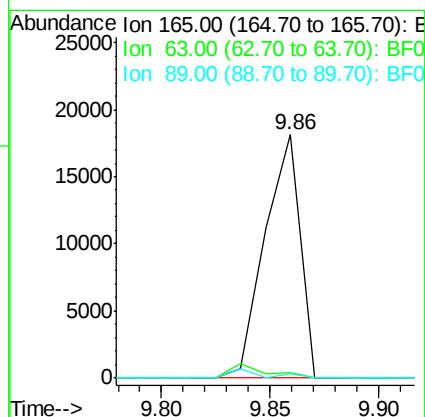
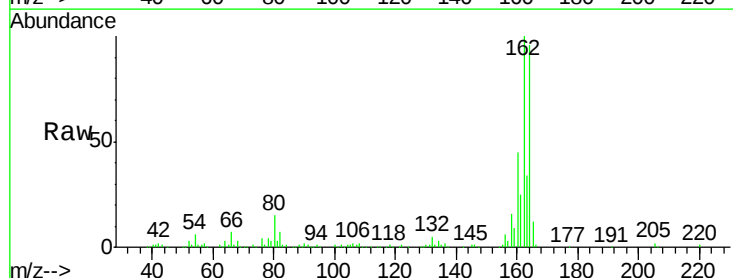
Instrument :
BNA_F
ClientSampled :
MW-3

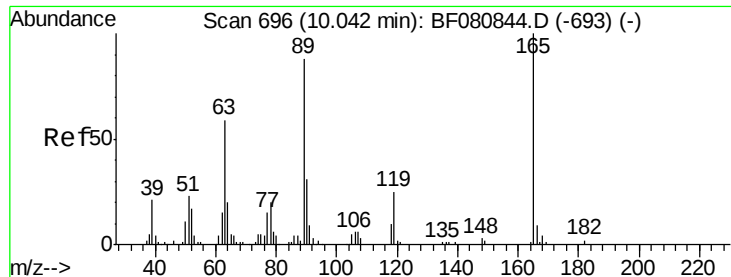
Tgt Ion:163 Resp: 52295
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.2 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 8.44 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.22 min
Lab File: BF080869.D
Acq: 5 Aug 2015 8:06

Tgt Ion:165 Resp: 20554
Ion Ratio Lower Upper
165 100
63 2.0 65.0 97.6#
89 1.8 56.6 85.0#

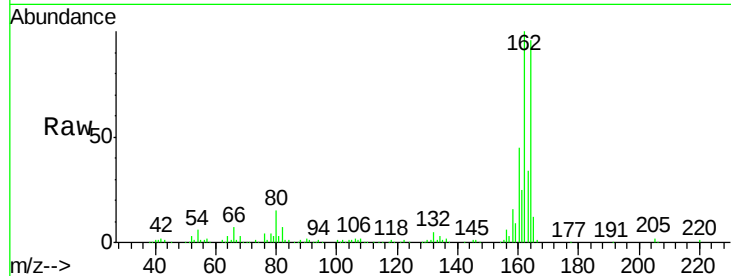




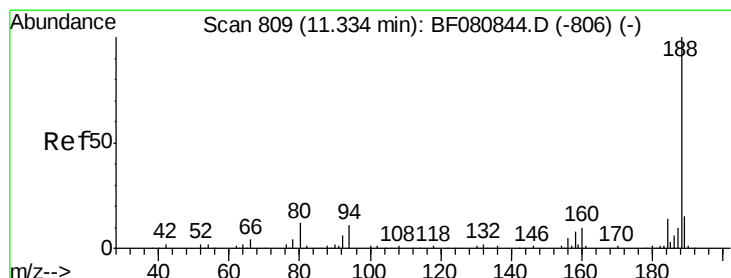
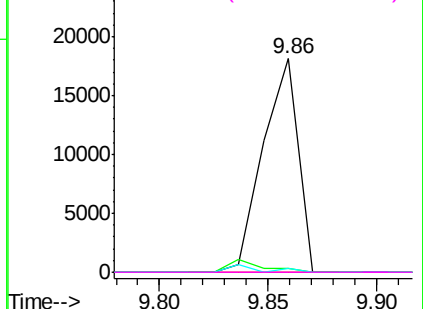
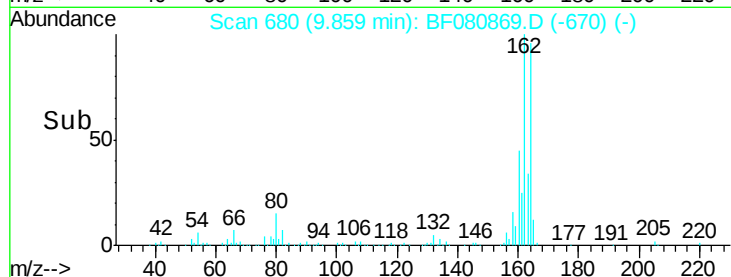
#56
 2,4-Dinitrotoluene
 Concen: 6.69 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.18 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion:165 Resp: 20554
 Ion Ratio Lower Upper
 165 100
 63 2.0 47.2 70.8#
 89 1.8 70.2 105.2#
 182 0.0 1.5 2.3#

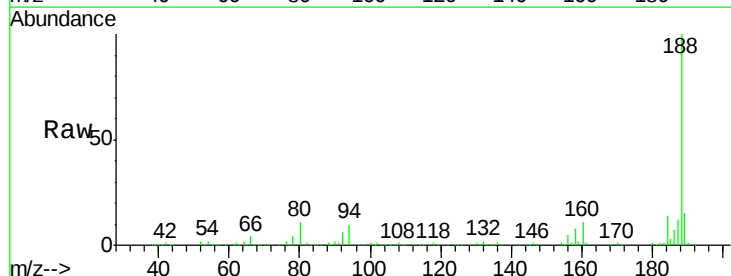


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

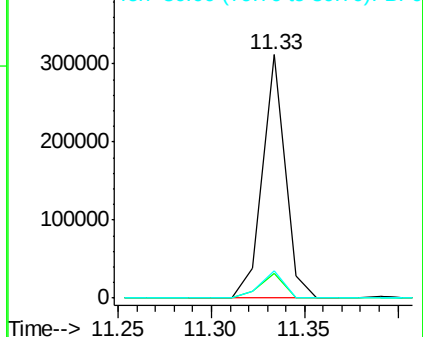
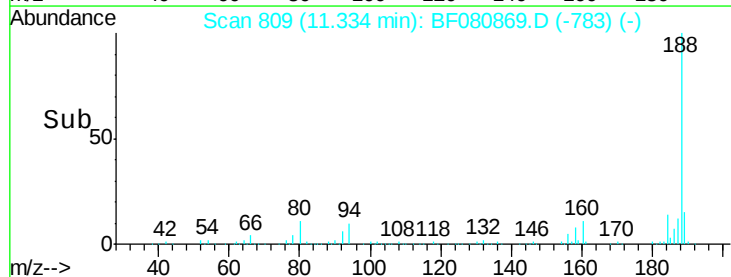


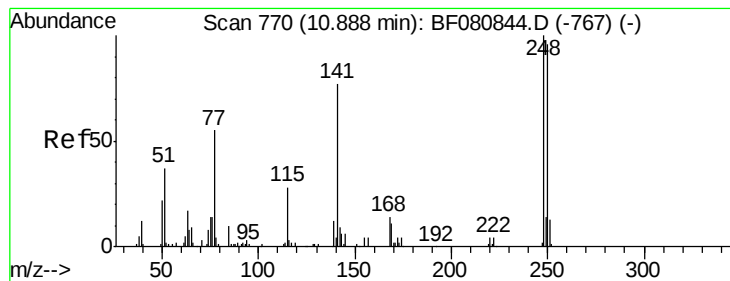
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

Tgt Ion:188 Resp: 260194
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.6 12.8
 80 11.2 9.3 13.9



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





#66

4-Bromophenyl-phenylether

Concen: 2.94 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

Instrument :

BNA_F

ClientSampleId :

MW-3

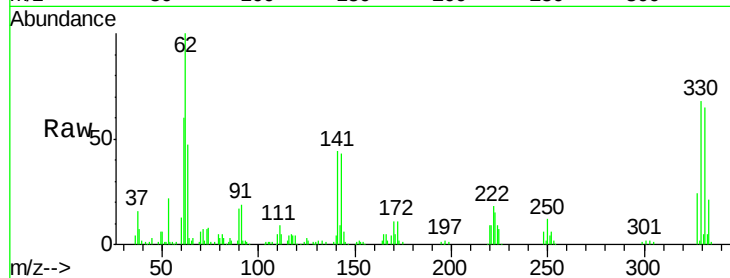
Tgt Ion:248 Resp: 8453

Ion Ratio Lower Upper

248 100

250 186.0 77.2 115.8#

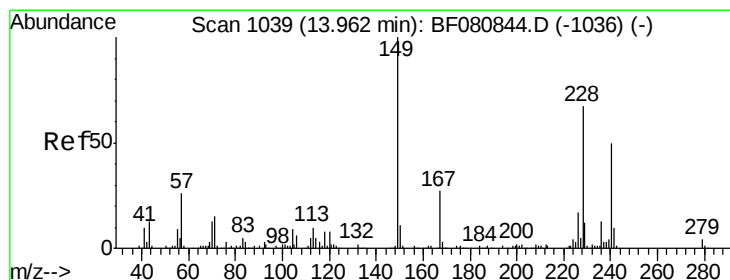
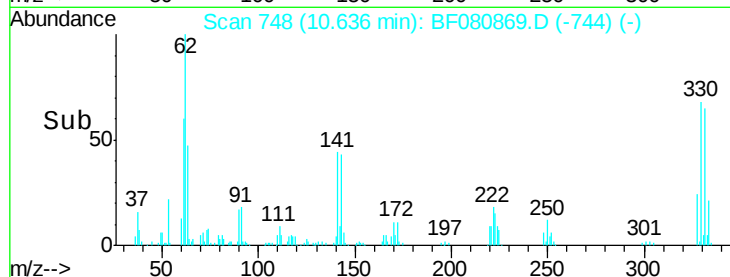
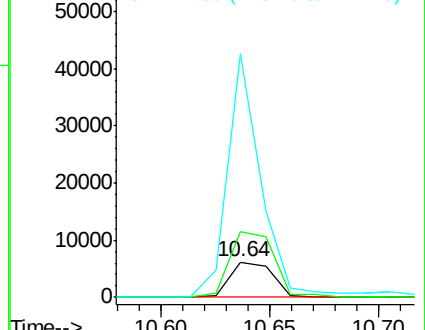
141 684.3 61.4 92.0#



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: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080869.D

Acq: 5 Aug 2015 8:06

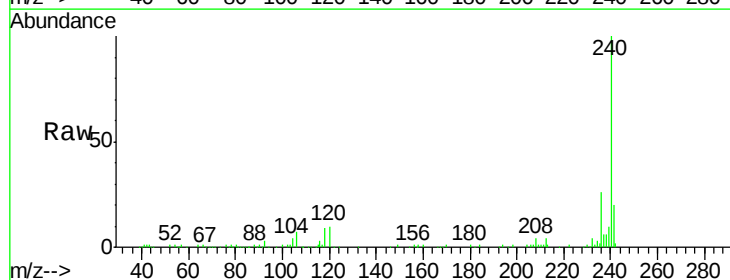
Tgt Ion:240 Resp: 160733

Ion Ratio Lower Upper

240 100

120 10.2 13.0 19.6#

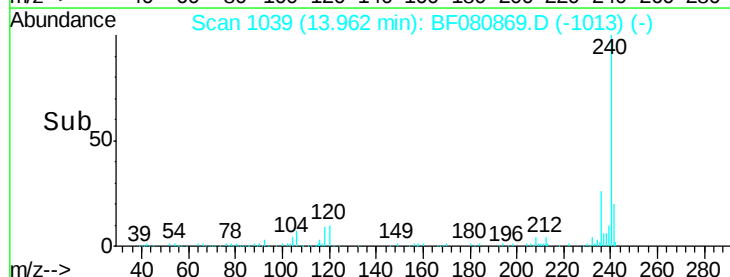
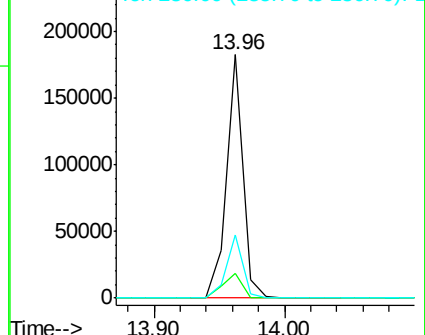
236 26.1 20.7 31.1

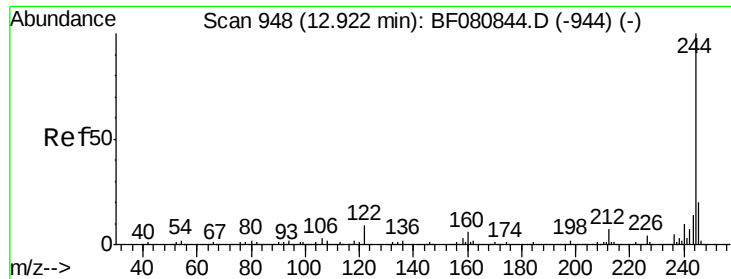


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

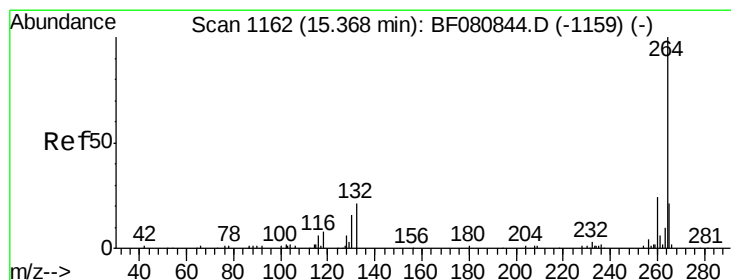
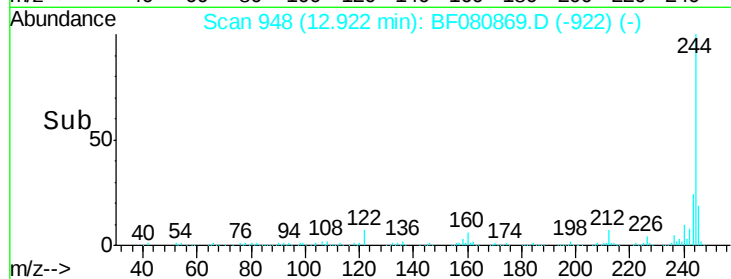
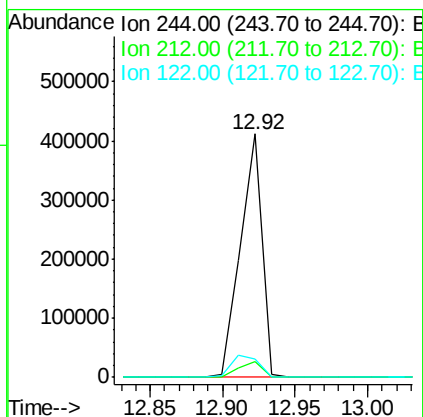
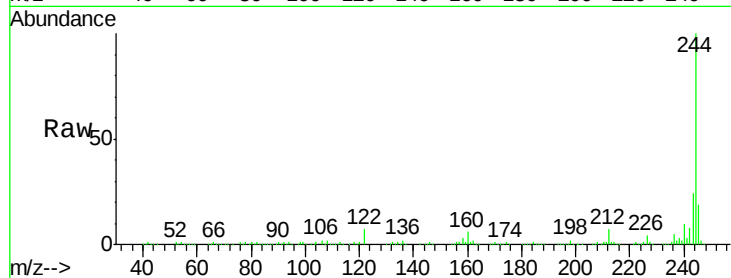




#78
 Terphenyl-d14
 Concen: 47.91 ng
 RT: 12.92 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion:244 Resp: 425502
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 7.4 7.1 10.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BF080869.D
 Acq: 5 Aug 2015 8:06

Tgt Ion:264 Resp: 109183
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.9 28.3
 265 20.4 16.8 25.2

