

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080415\
 Data File : BF080868.D
 Acq On : 5 Aug 2015 7:36
 Operator : TP/UM
 Sample : G3170-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Quant Time: Aug 05 08:02:50 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

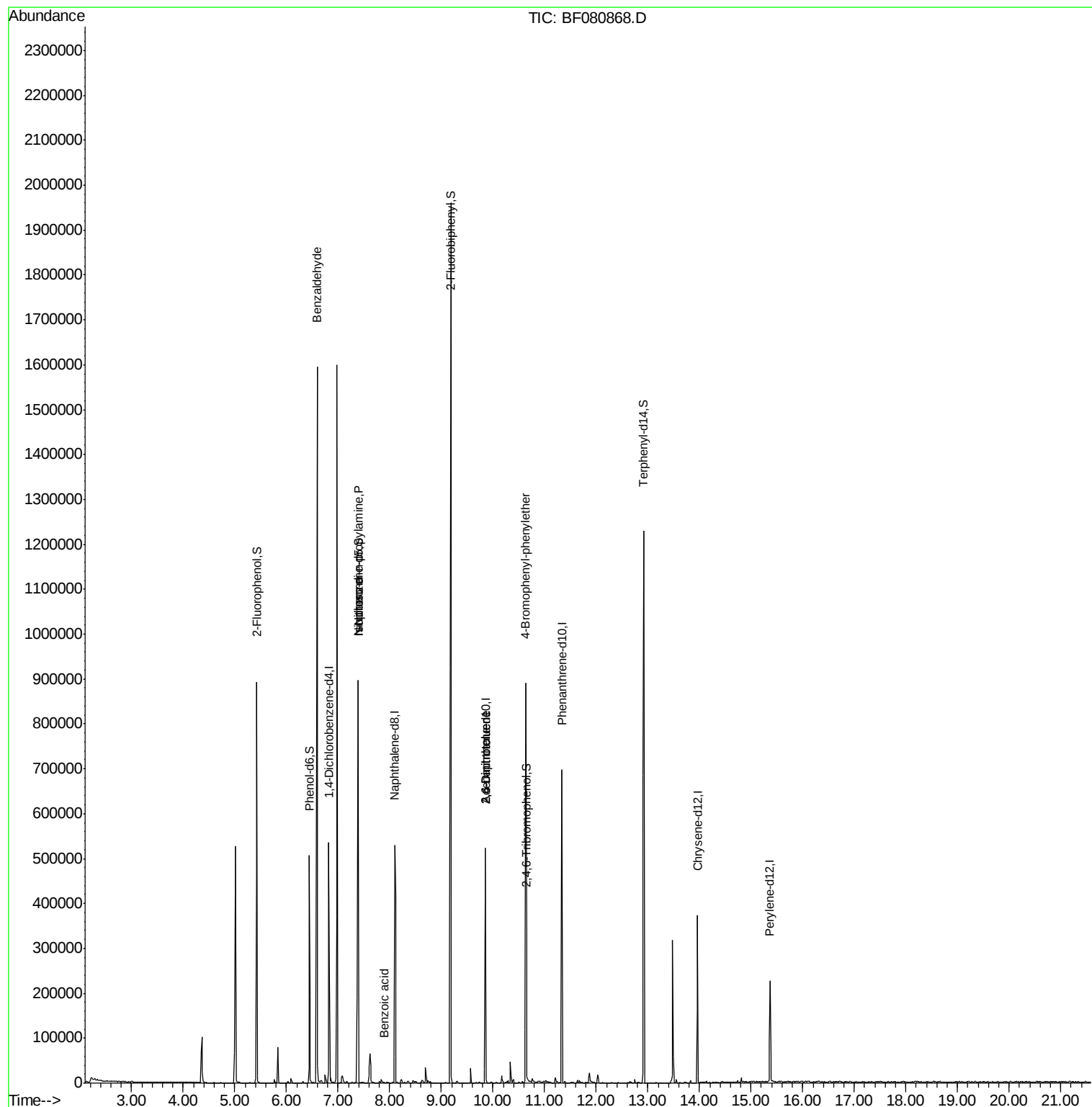
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	85247	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	323725	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	140063	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	233190	20.00	ng	0.00
75) Chrysene-d12	13.96	240	143921	20.00	ng	0.00
86) Perylene-d12	15.37	264	99332	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	249813	44.35	ng	0.00
7) Phenol-d6	6.44	99	180767	24.55	ng	-0.01
23) Nitrobenzene-d5	7.39	82	446171	64.95	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	114401	84.70	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	693750	66.70	ng	0.00
78) Terphenyl-d14	12.92	244	455574	57.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	10614	2.07	ng	# 80
19) n-Nitroso-di-n-propylamine	7.39	70	58295	12.26	ng	# 69
25) Isophorone	7.39	82	402055	33.03	ng	# 67
32) Benzoic acid	7.89	122	280	2.73	ng	# 1
50) 2,6-Dinitrotoluene	9.86	165	17596	8.24	ng	# 11
56) 2,4-Dinitrotoluene	9.86	165	17596	6.52	ng	# 13
66) 4-Bromophenyl-phenylether	10.64	248	7027	2.72	ng	# 1

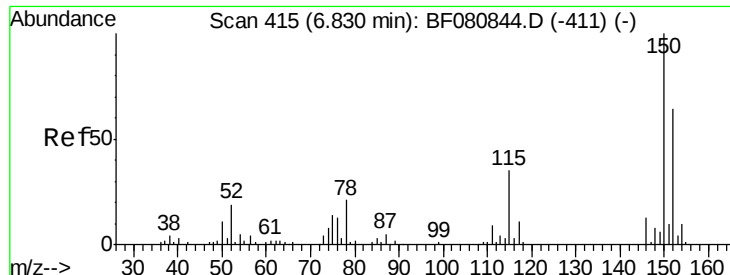
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF080868.D

Acq: 5 Aug 2015 7:36

Instrument :

BNA_F

ClientSampleId :

MW-5

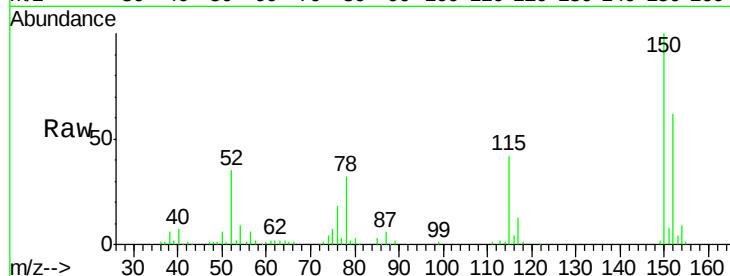
Tot Ion:152 Resp: 85247

Ion Ratio Lower Upper

152 100

150 161.7 124.6 187.0

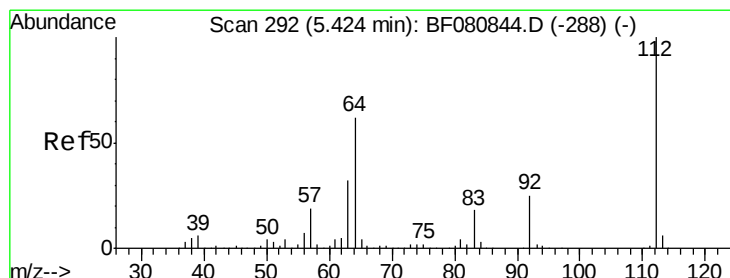
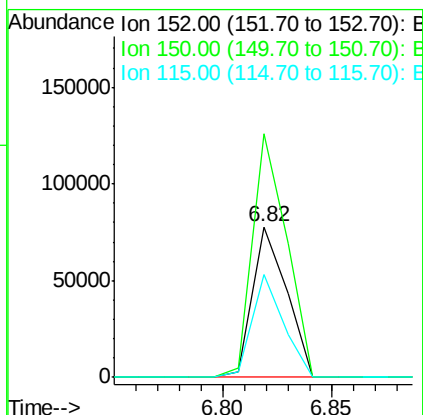
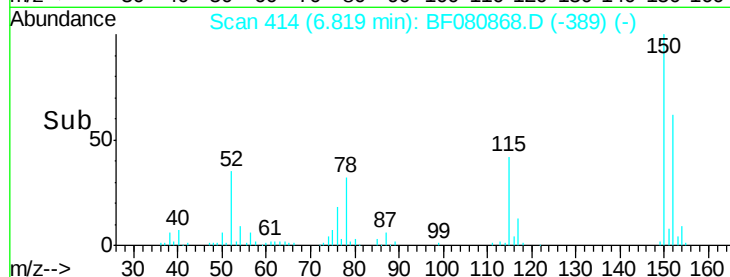
115 68.7 44.2 66.4#



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: 44.35 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.00 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

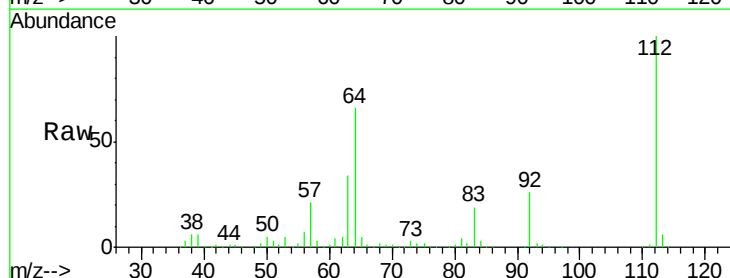
Tgt Ion:112 Resp: 249813

Ion Ratio Lower Upper

112 100

64 66.4 49.5 74.3

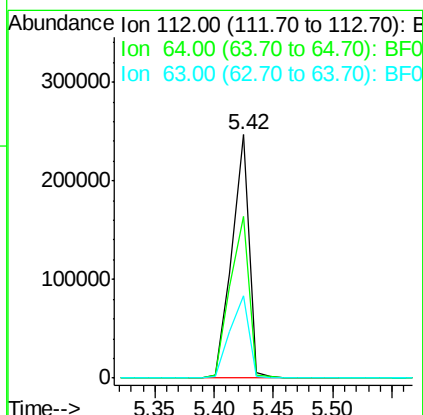
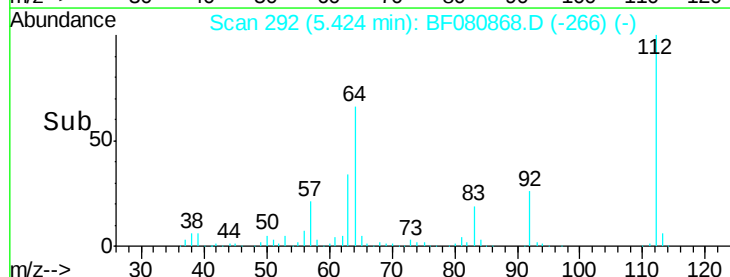
63 33.8 25.3 37.9

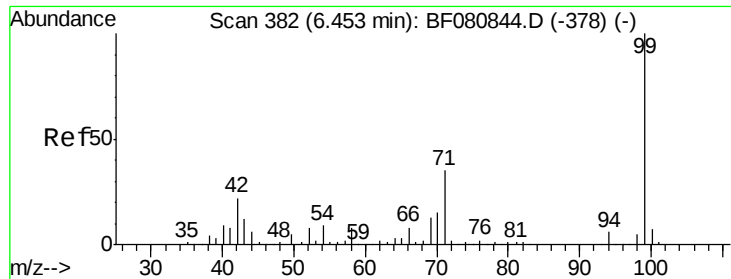


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.55 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

Instrument :

BNA_F

ClientSampled :

MW-5

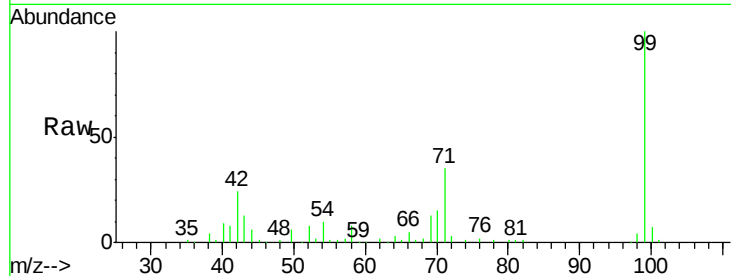
Tot Ion: 99 Resp: 180767

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

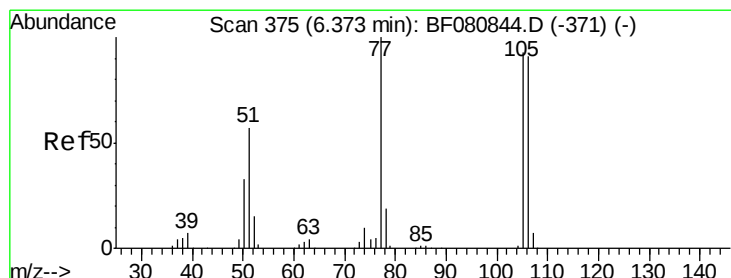
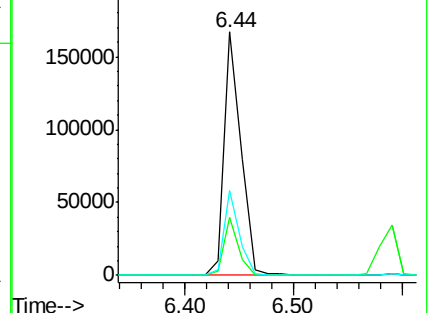
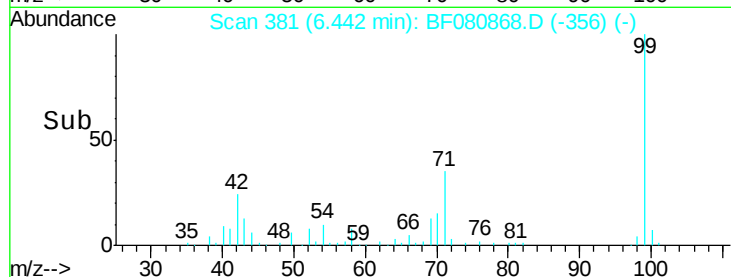
71 34.8 28.2 42.4



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



#9

Benzaldehyde

Concen: 2.07 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.22 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

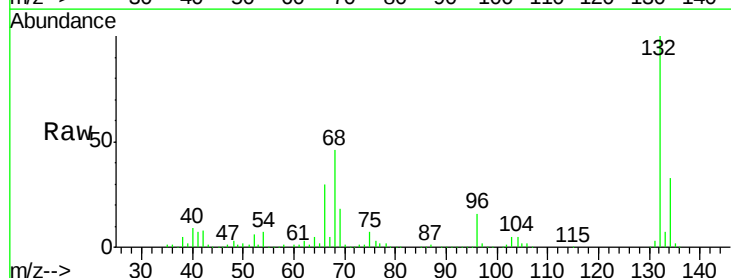
Tgt Ion: 77 Resp: 10614

Ion Ratio Lower Upper

77 100

105 77.8 73.5 113.5

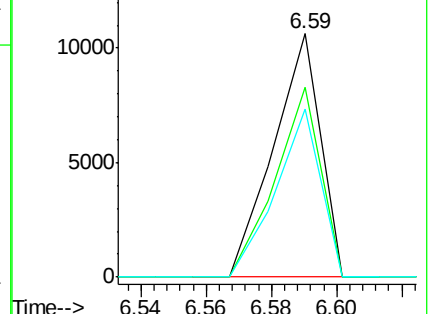
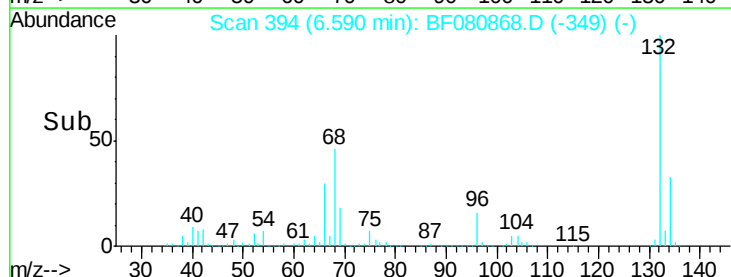
106 69.0 70.8 110.8#

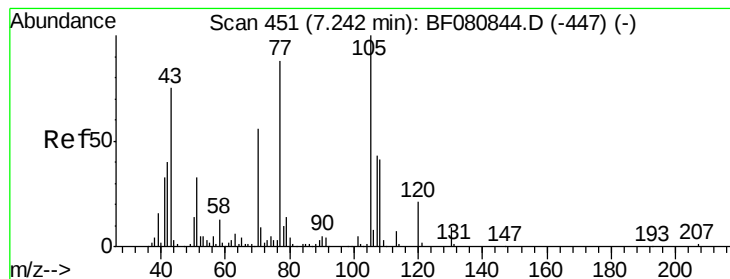


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

Instrument :

BNA_F

ClientSampleId :

MW-5

Tot Ion: 70 Resp: 58295

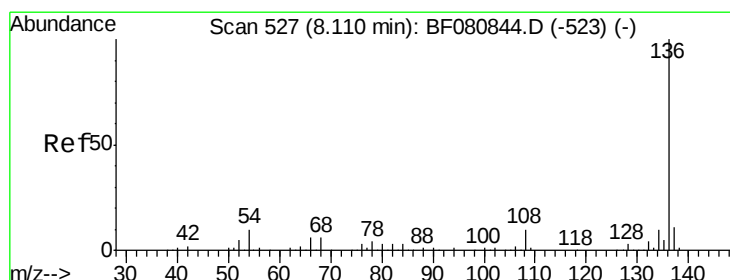
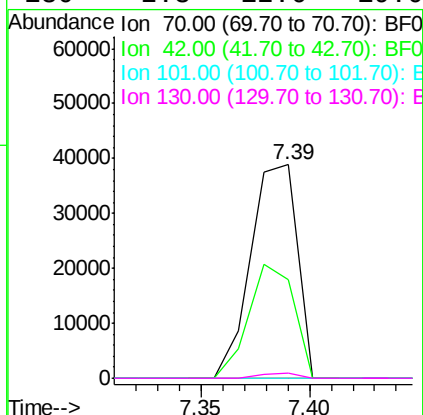
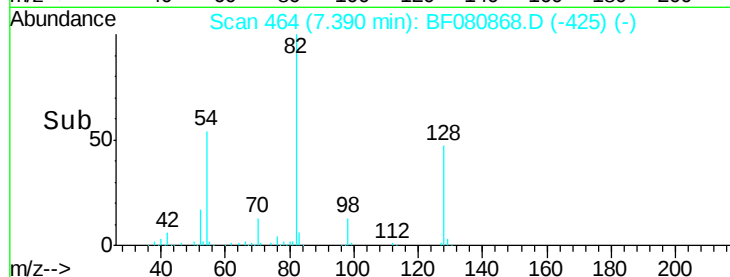
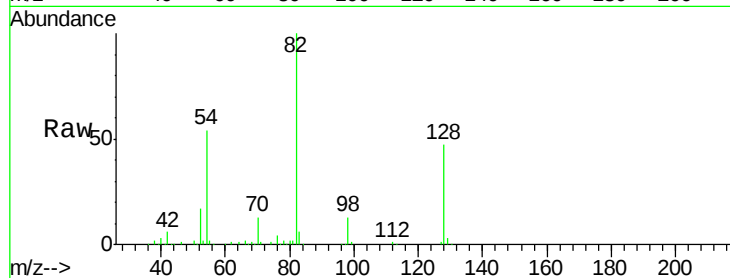
Ion Ratio Lower Upper

70 100

42 46.0 57.8 86.8#

101 0.0 6.7 10.1#

130 2.3 12.6 19.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

Tgt Ion: 136 Resp: 323725

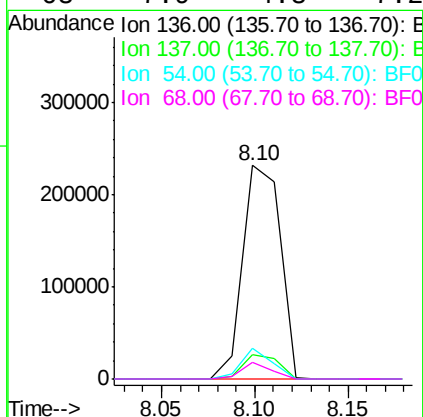
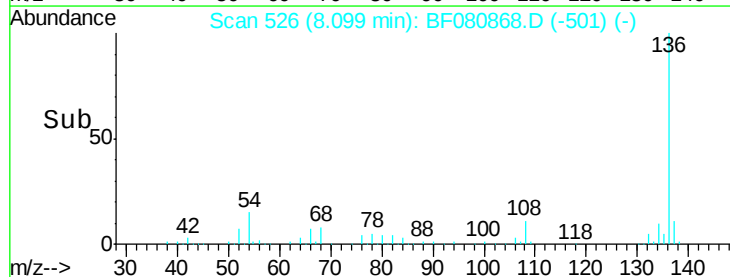
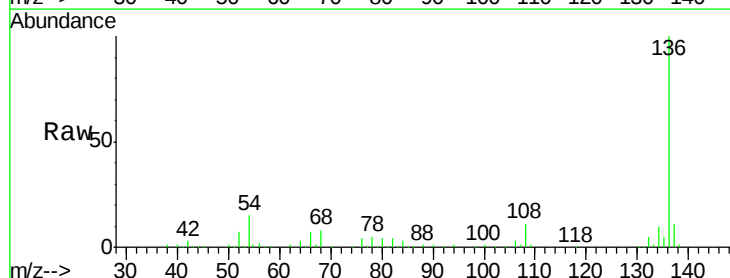
Ion Ratio Lower Upper

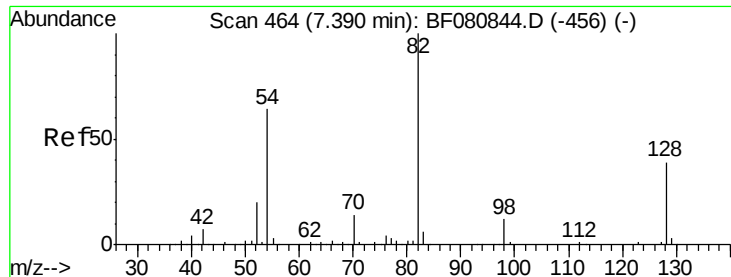
136 100

137 11.3 8.6 13.0

54 14.6 8.3 12.5#

68 7.9 4.8 7.2#

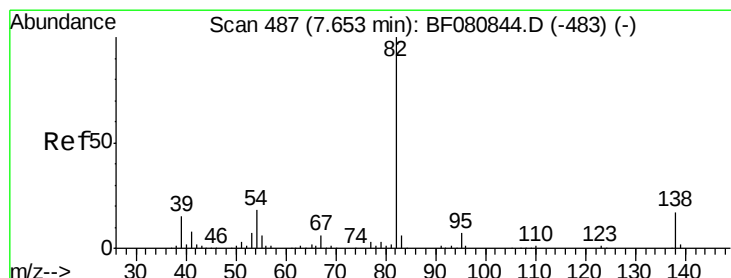
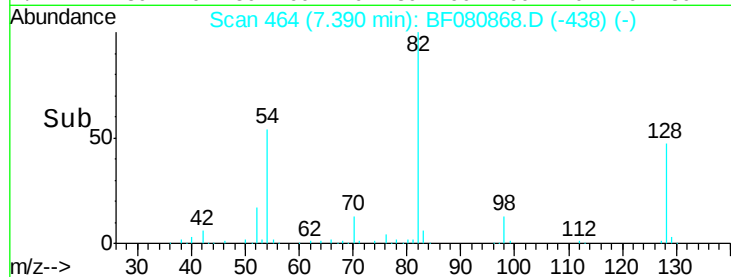
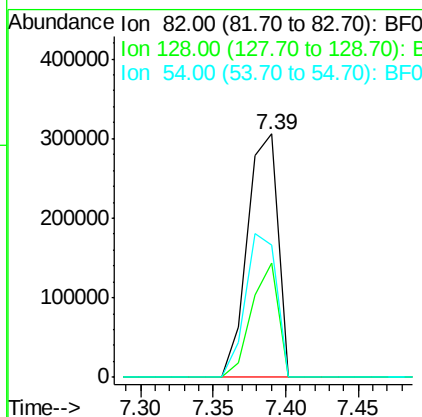
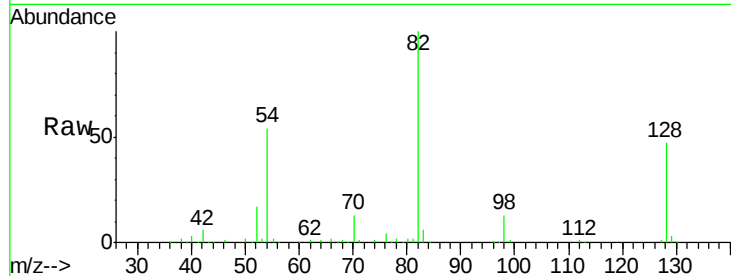




#23
 Nitrobenzene-d5
 Concen: 64.95 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

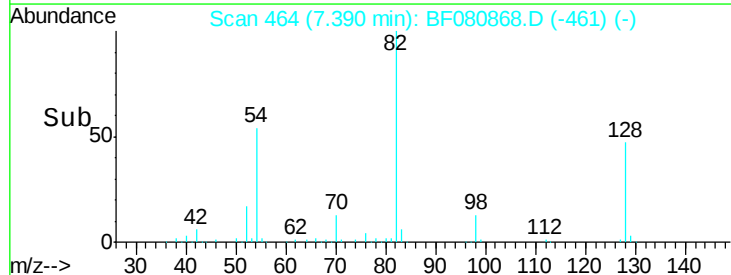
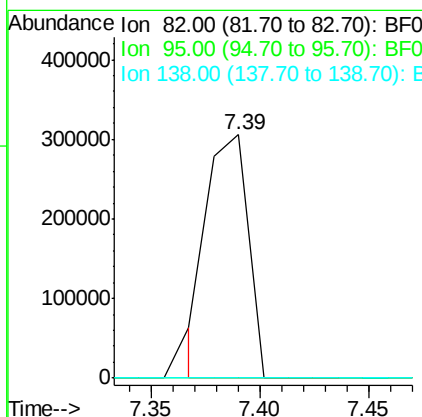
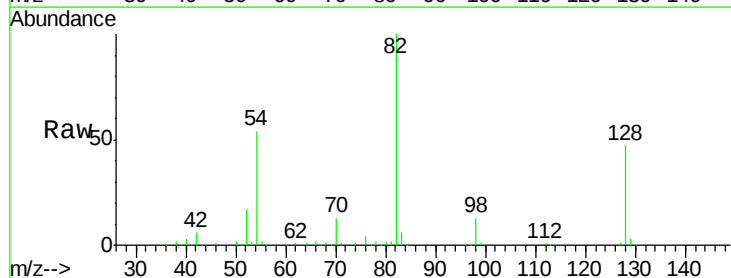
Instrument :
 BNA_F
 ClientSampled :
 MW-5

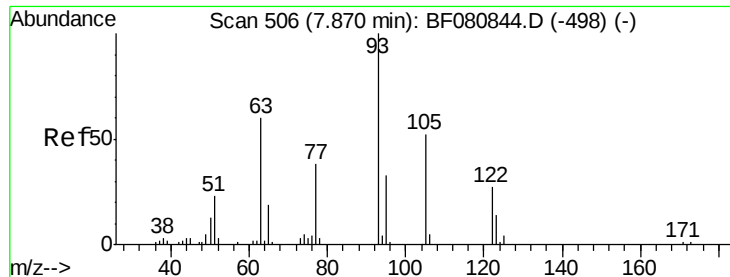
Tot Ion: 82 Resp: 446171
 Ion Ratio Lower Upper
 82 100
 128 46.8 31.0 46.4#
 54 54.2 51.0 76.6



#25
 Isophorone
 Concen: 33.03 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.26 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Tgt Ion: 82 Resp: 402055
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 13.3 19.9#

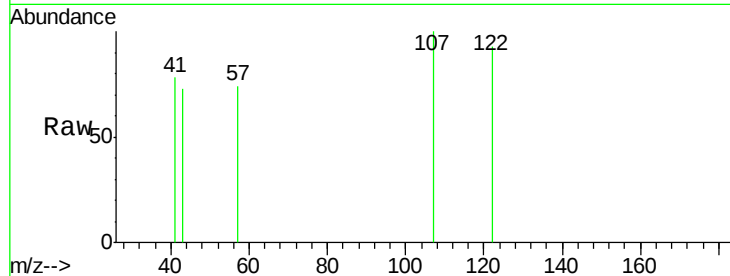




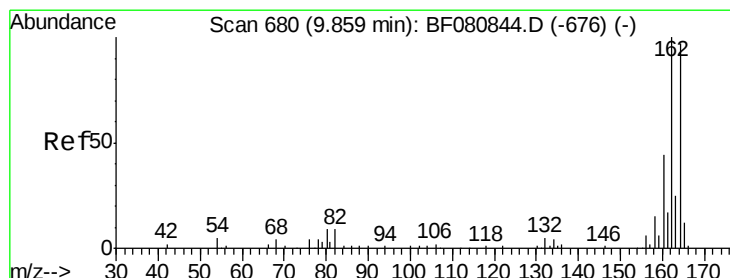
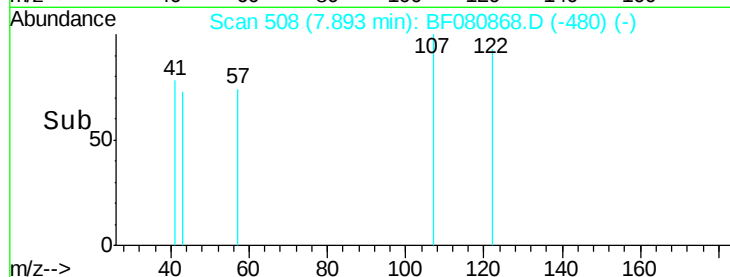
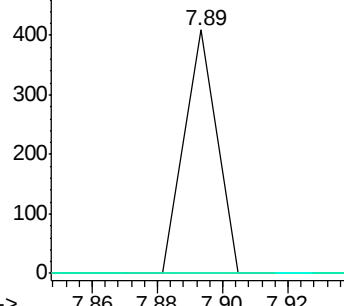
#32
Benzoic acid
Concen: 2.73 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.02 min
Lab File: BF080868.D
Acq: 5 Aug 2015 7:36

Instrument :
BNA_F
ClientSampled :
MW-5

Tot Ion:122 Resp: 280
Ion Ratio Lower Upper
122 100
105 0.0 110.1 150.1#
77 0.0 83.6 123.6#

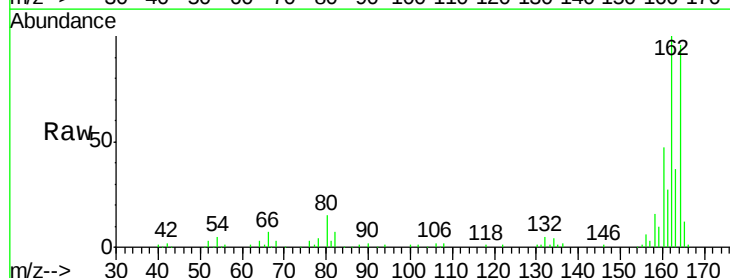


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

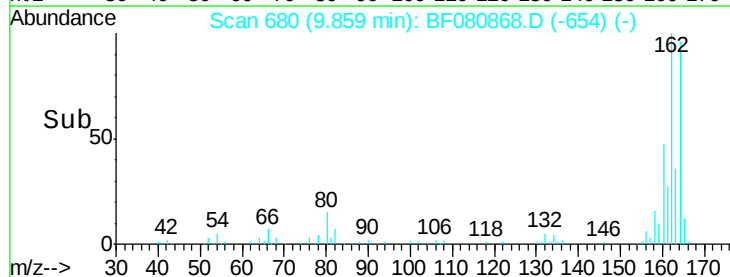
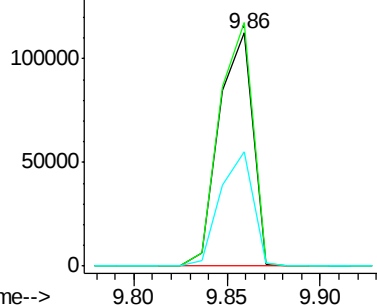


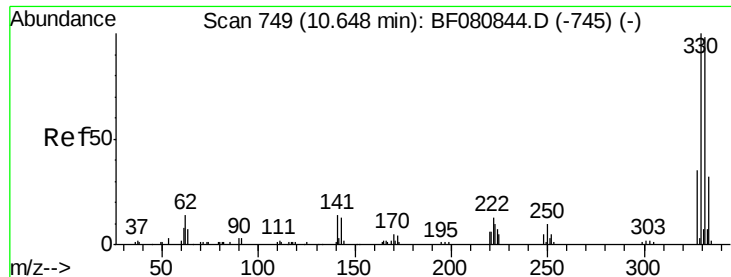
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF080868.D
Acq: 5 Aug 2015 7:36

Tgt Ion:164 Resp: 140063
Ion Ratio Lower Upper
164 100
162 104.5 82.9 124.3
160 49.3 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

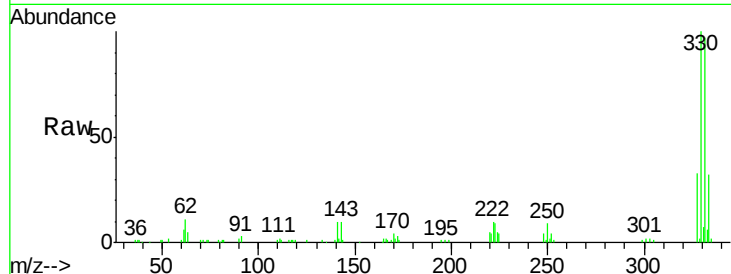




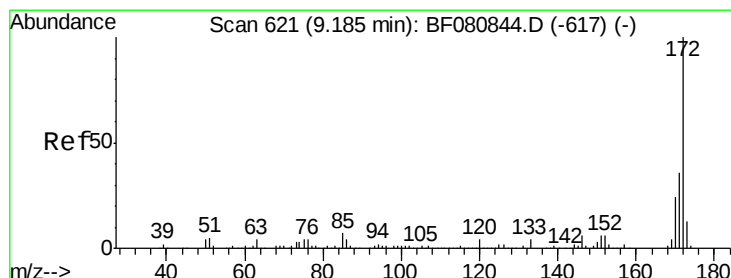
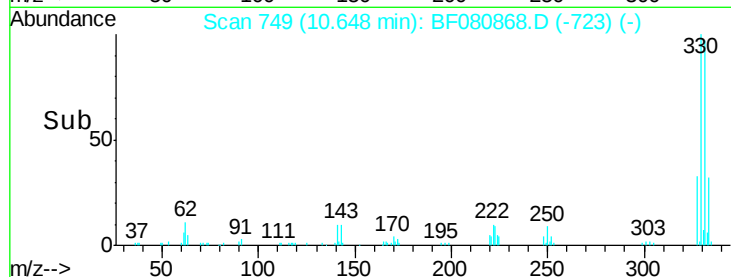
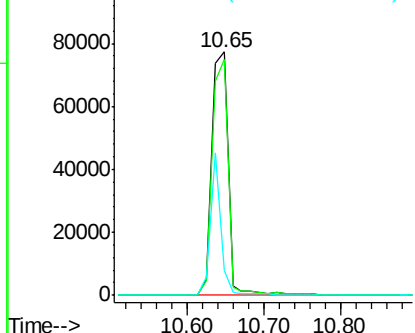
#41
 2,4,6-Tribromophenol
 Concen: 84.70 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.8	116.8
141	37.2	28.4	42.6

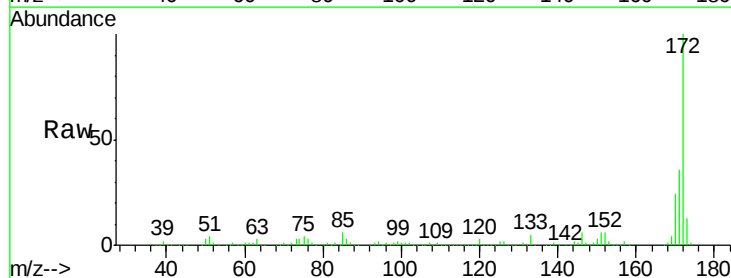


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

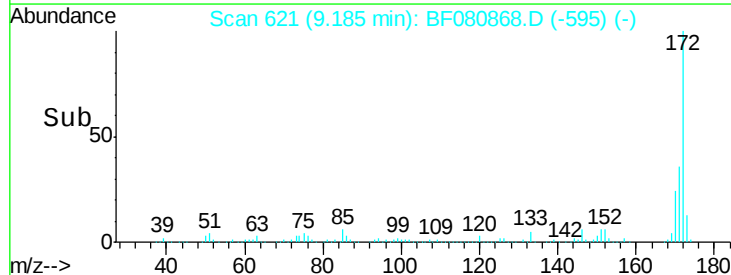
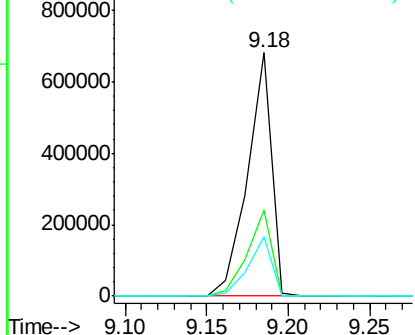


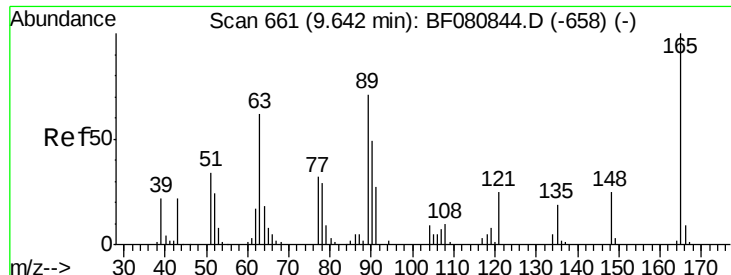
#44
 2-Fluorobiphenyl
 Concen: 66.70 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	24.4	19.4	29.2



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

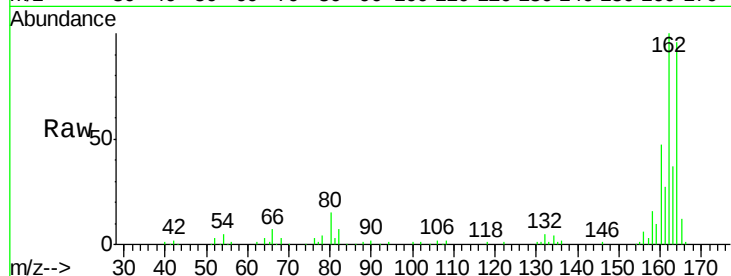




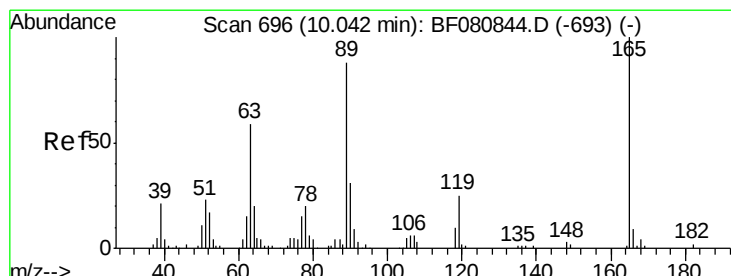
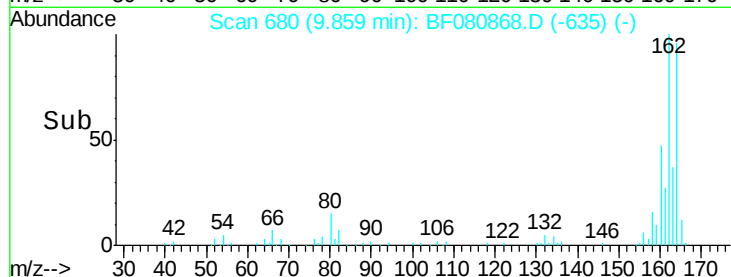
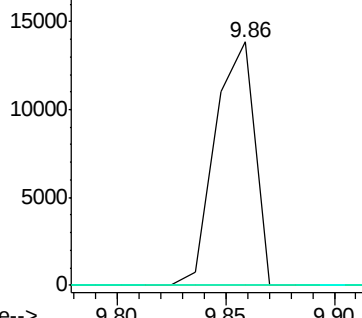
#50
 2,6-Dinitrotoluene
 Concen: 8.24 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.22 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Tot Ion:165 Resp: 17596
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.0 97.6#
 89 0.0 56.6 85.0#

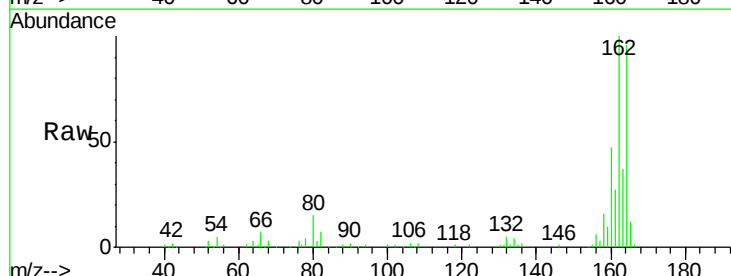


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

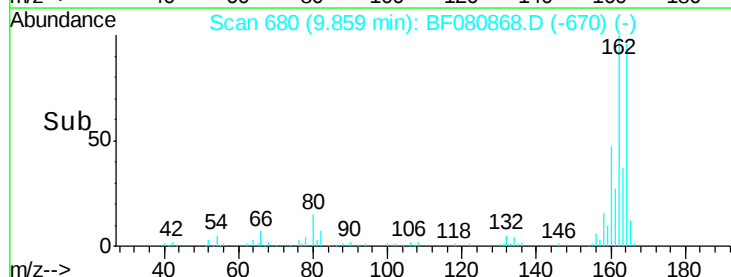
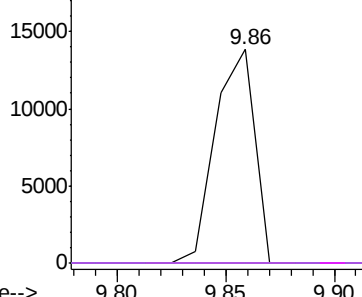


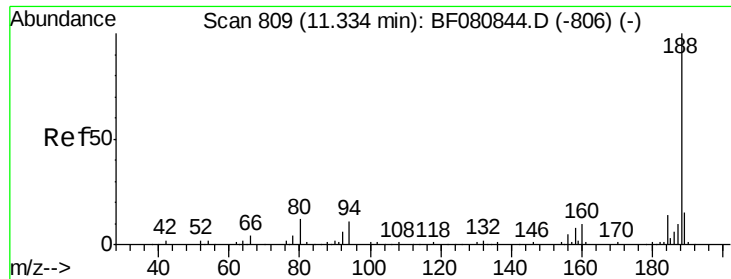
#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.18 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Tgt Ion:165 Resp: 17596
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.2 70.8#
 89 0.0 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

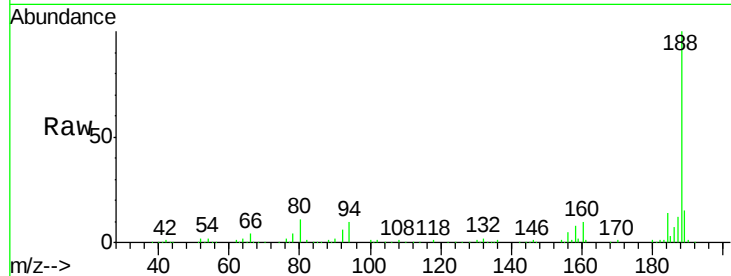




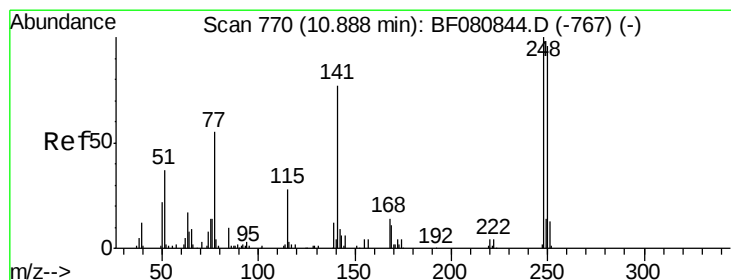
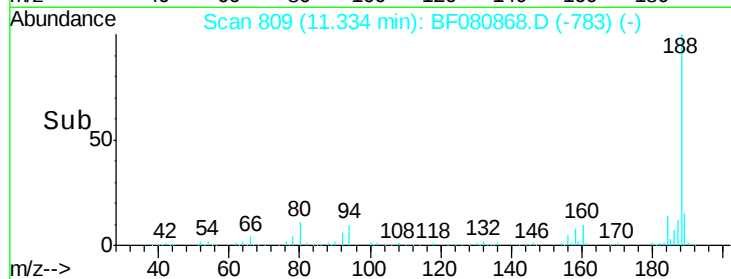
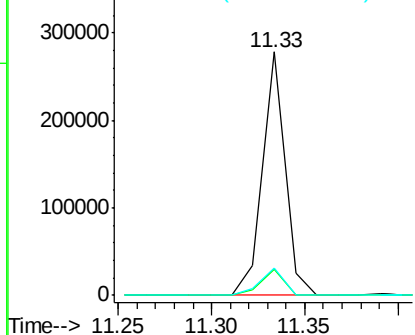
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Tot Ion:188 Resp: 233190
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.6 12.8
 80 11.4 9.3 13.9

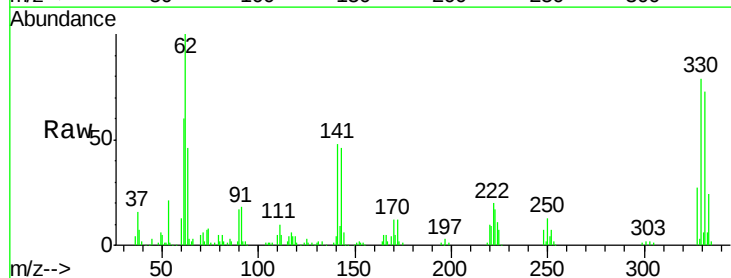


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

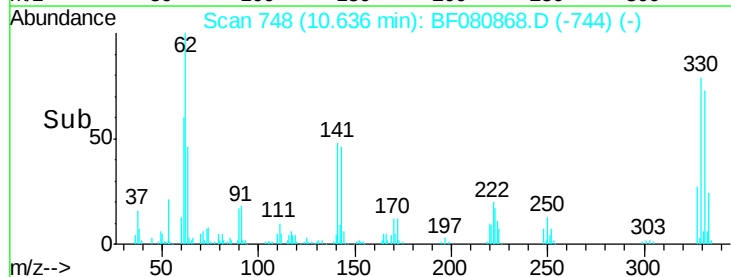
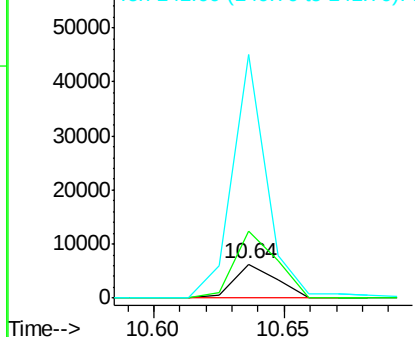


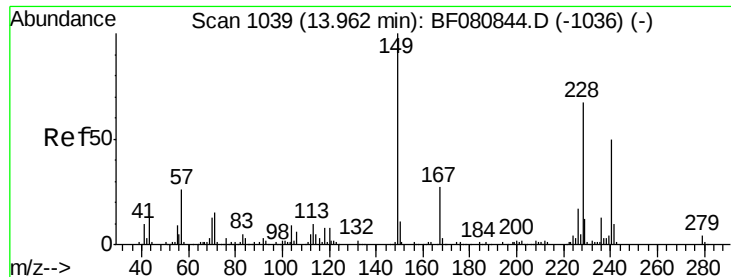
#66
 4-Bromophenyl-phenylether
 Concen: 2.72 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.25 min
 Lab File: BF080868.D
 Acq: 5 Aug 2015 7:36

Tgt Ion:248 Resp: 7027
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.2 115.8#
 141 719.9 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: BF080868.D

Acq: 5 Aug 2015 7:36

Instrument :

BNA_F

ClientSampleId :

MW-5

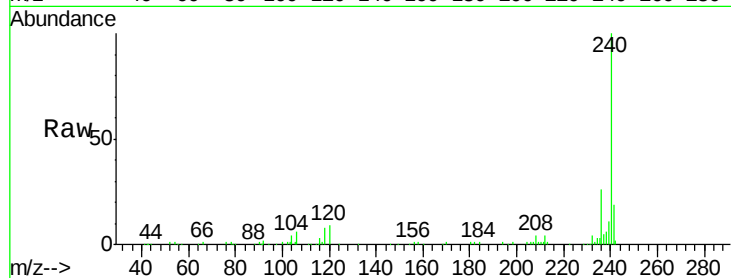
Tot Ion:240 Resp: 143921

Ion Ratio Lower Upper

240 100

120 9.2 13.0 19.6#

236 26.0 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

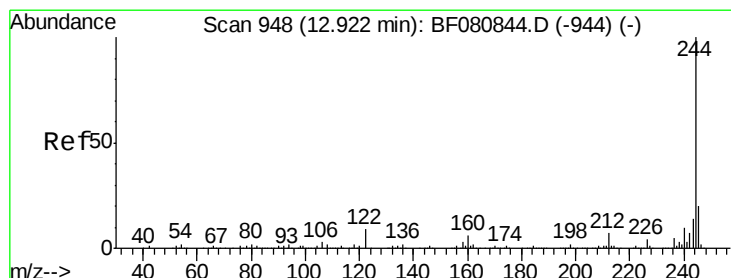
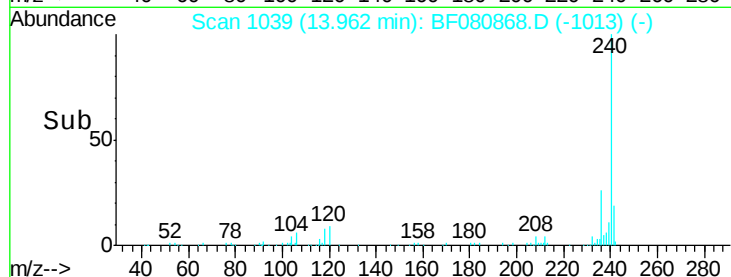
13.96

100000

50000

0

Time-->



#78

Terphenyl-d14

Concen: 57.29 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF080868.D

Acq: 5 Aug 2015 7:36

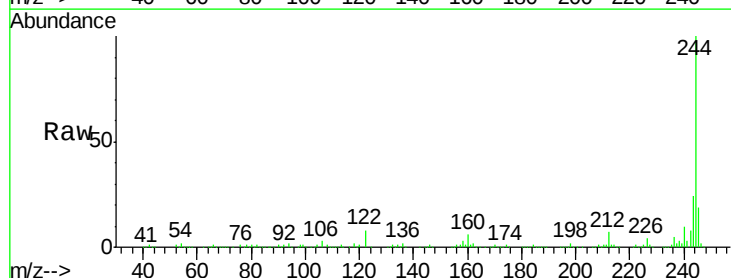
Tgt Ion:244 Resp: 455574

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.2 7.1 10.7



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

12.92

600000

500000

400000

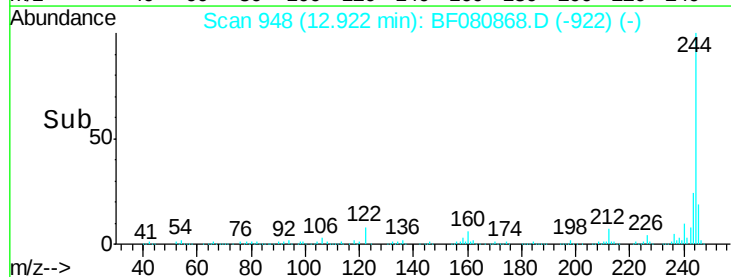
300000

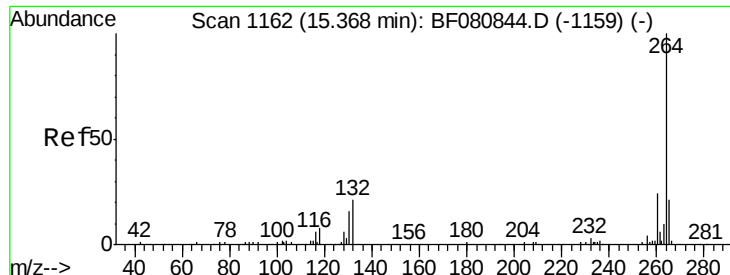
200000

100000

0

Time-->



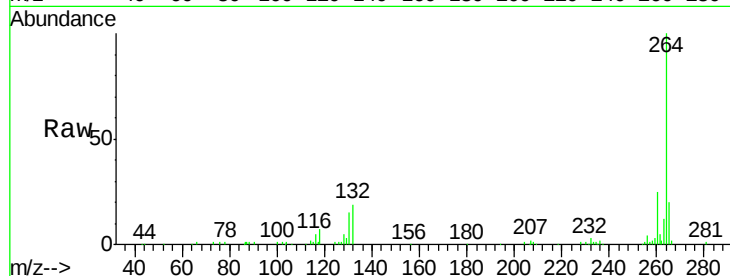


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF080868.D
Acq: 5 Aug 2015 7:36

Instrument :
BNA_F
ClientSampleId :
MW-5

Tot Ion: 264 Resp: 99332

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.9	28.3
265	20.4	16.8	25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

