

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070215\
 Data File : BF080320.D
 Acq On : 3 Jul 2015 1:19
 Operator : TP/IZ
 Sample : G2870-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2(7.5)

Quant Time: Jul 03 04:20:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 03 03:51:56 2015
 Response via : Initial Calibration

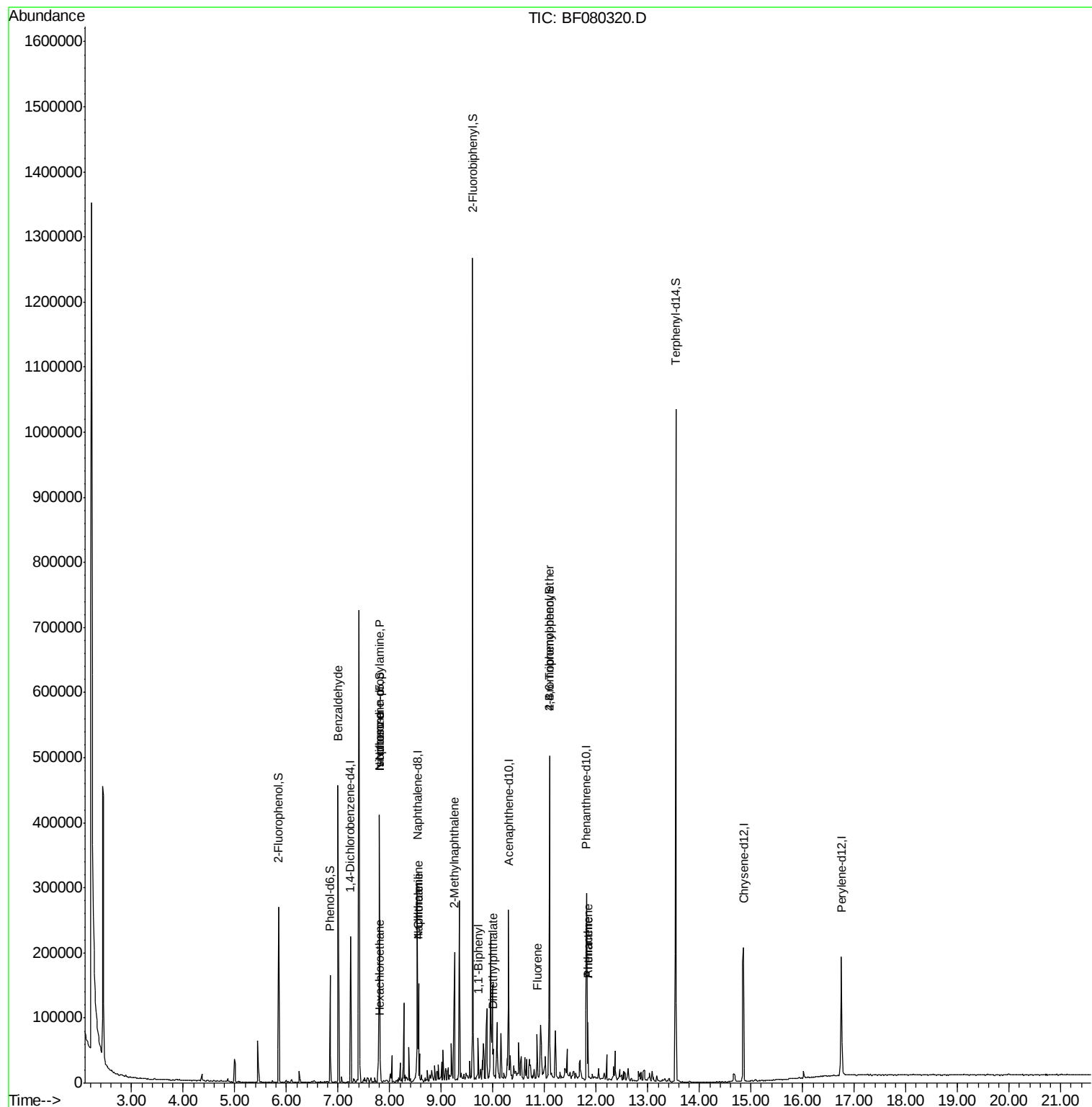
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	29626	20.00	ng	0.00
21) Naphthalene-d8	8.53	136	116108	20.00	ng	0.00
38) Acenaphthene-d10	10.30	164	53456	20.00	ng	0.00
63) Phenanthrene-d10	11.81	188	112226	20.00	ng	0.00
75) Chrysene-d12	14.85	240	116685	20.00	ng	0.00
86) Perylene-d12	16.75	264	109109	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	66769	39.03	ng	0.00
7) Phenol-d6	6.84	99	52016	22.65	ng	0.00
23) Nitrobenzene-d5	7.80	82	141998	67.34	ng	0.00
41) 2,4,6-Tribromophenol	11.09	330	50491	99.20	ng	0.00
44) 2-Fluorobiphenyl	9.61	172	327973	88.31	ng	0.00
78) Terphenyl-d14	13.54	244	334383	67.13	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.00	77	2931	2.34	ng	# 73
18) Hexachloroethane	7.81	117	10608	14.88	ng	# 11
19) n-Nitroso-di-n-propylamine	7.80	70	17581	11.51	ng	# 75
25) Isophorone	7.80	82	141990	34.64	ng	# 65
31) Naphthalene	8.56	128	54791	9.26	ng	98
33) 4-Chloroaniline	8.56	127	7414	2.95	ng	# 29
37) 2-Methylnaphthalene	9.25	142	66073	16.31	ng	96
45) 1,1'-Biphenyl	9.71	154	17620	3.88	ng	97
49) Dimethylphthalate	10.00	163	9769	2.39	ng	100
57) Fluorene	10.85	166	15176	3.68	ng	# 98
66) 4-Bromophenyl-phenylether	11.09	248	3565	2.94	ng	# 1
70) Phenanthrene	11.84	178	33672	5.01	ng	99
71) Anthracene	11.84	178	33672	5.22	ng	99

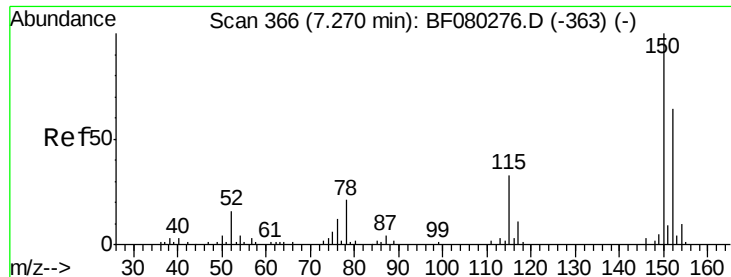
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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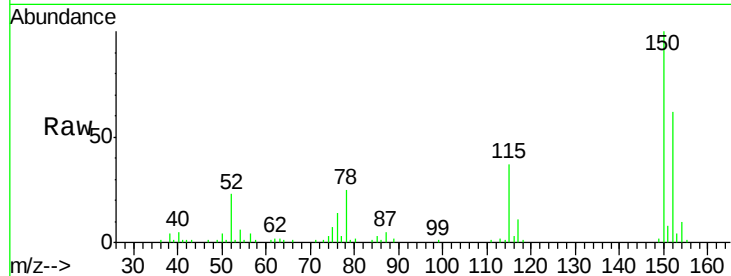


#1

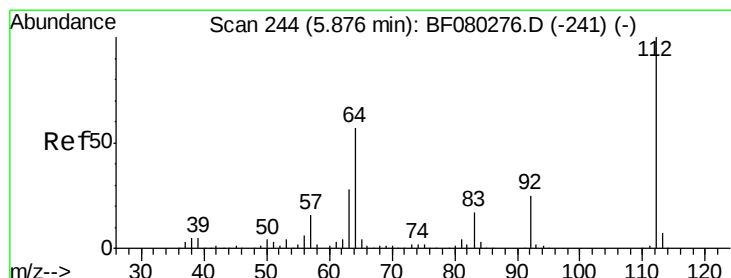
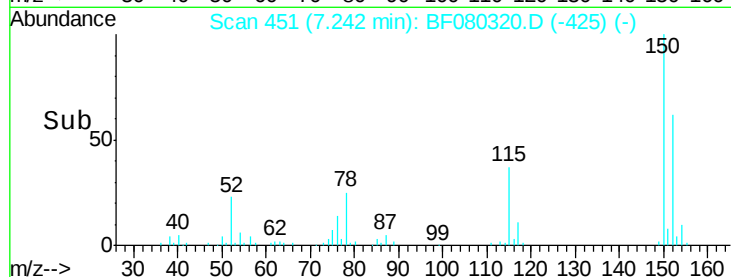
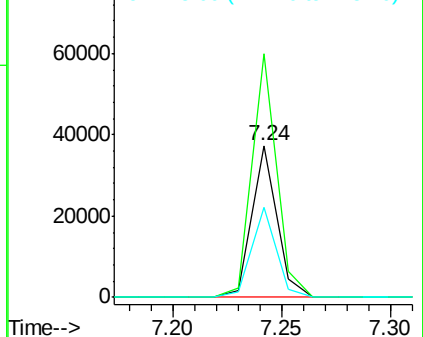
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.24 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

Instrument :
BNA_F
ClientSampleId :
GP-2(7.5)

Tgt Ion:152 Resp: 29626
Ion Ratio Lower Upper
152 100
150 160.7 124.7 187.1
115 59.7 41.0 61.6



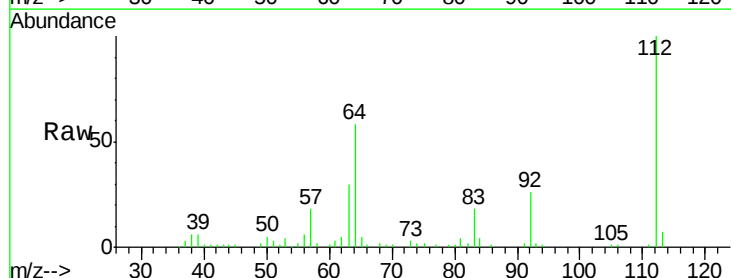
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



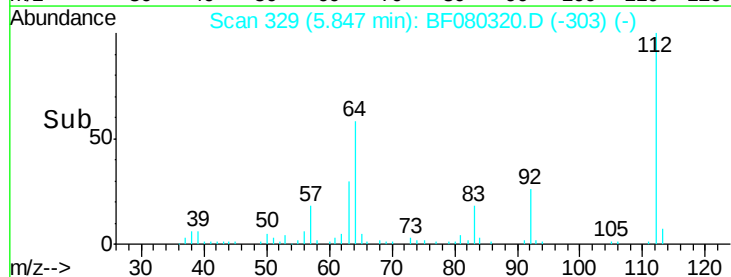
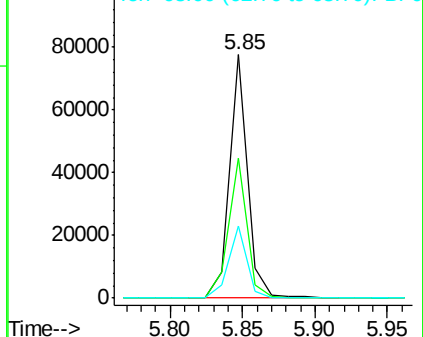
#5

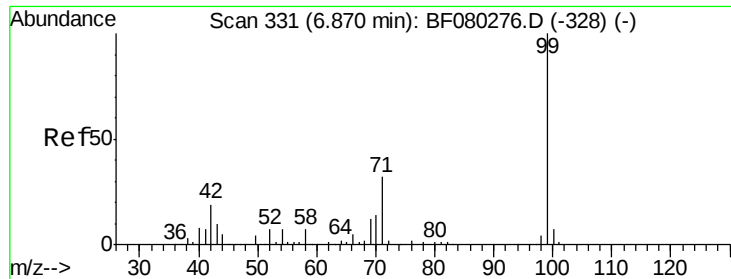
2-Fluorophenol
Concen: 39.03 ng
RT: 5.85 min Scan# 329
Delta R.T. 0.00 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

Tgt Ion:112 Resp: 66769
Ion Ratio Lower Upper
112 100
64 57.7 45.5 68.3
63 29.6 22.4 33.6



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: 22.65 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

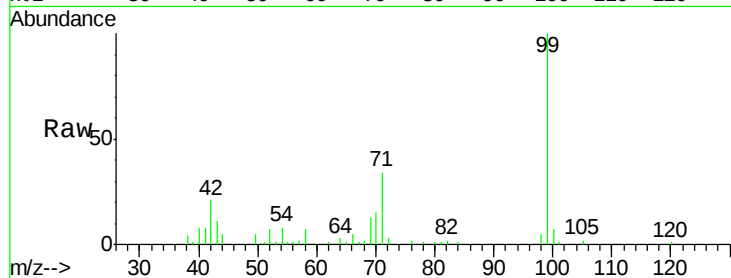
Tgt Ion: 99 Resp: 52016

Ion Ratio Lower Upper

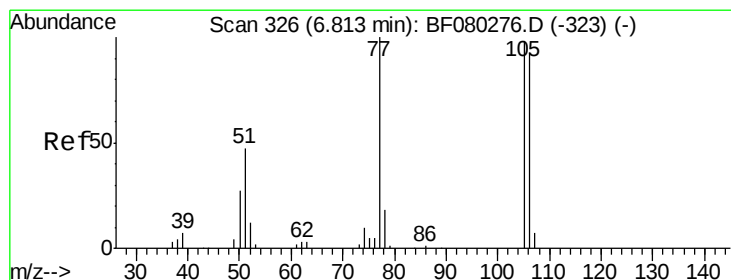
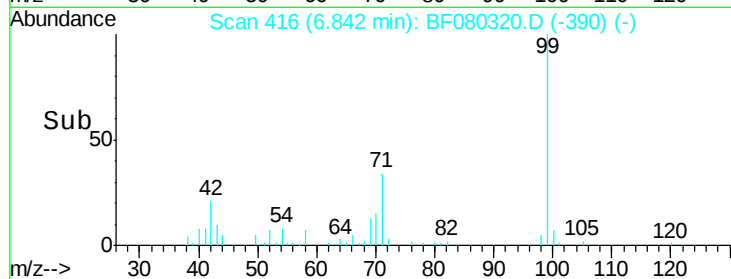
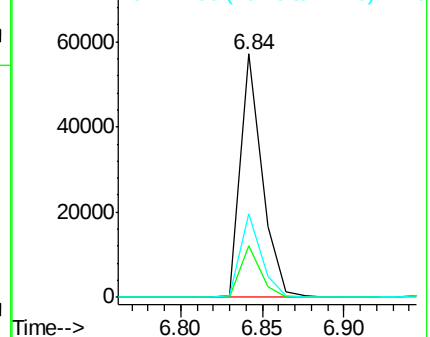
99 100

42 21.4 15.4 23.2

71 34.3 25.8 38.8



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: 2.34 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.22 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

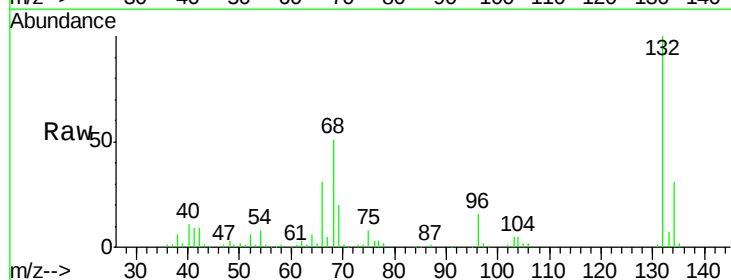
Tgt Ion: 77 Resp: 2931

Ion Ratio Lower Upper

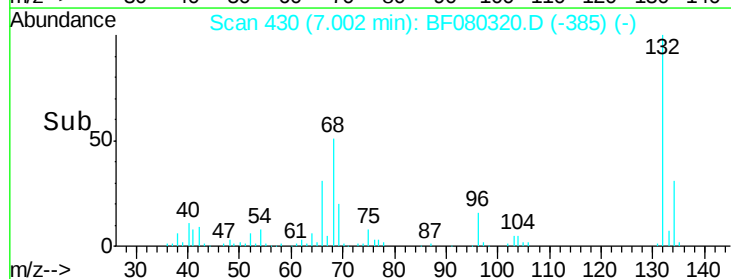
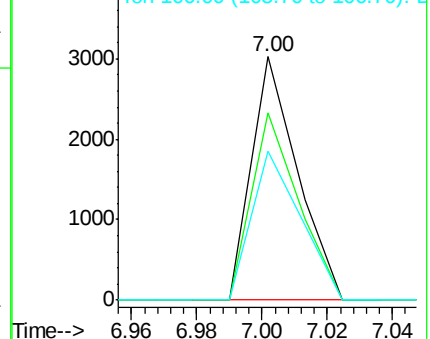
77 100

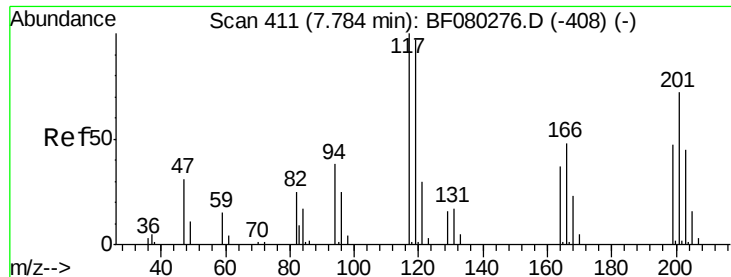
105 77.0 78.2 118.2#

106 61.2 72.5 112.5#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 14.88 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.05 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampled :

GP-2(7.5)

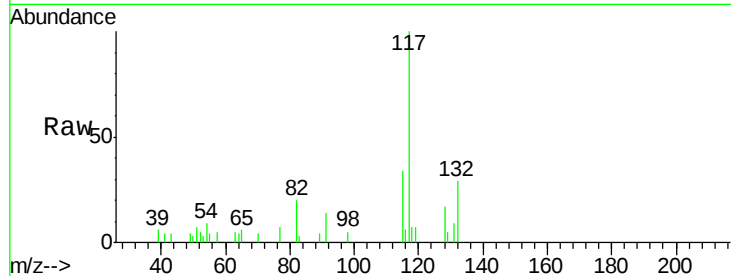
Tgt Ion: 117 Resp: 10608

Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

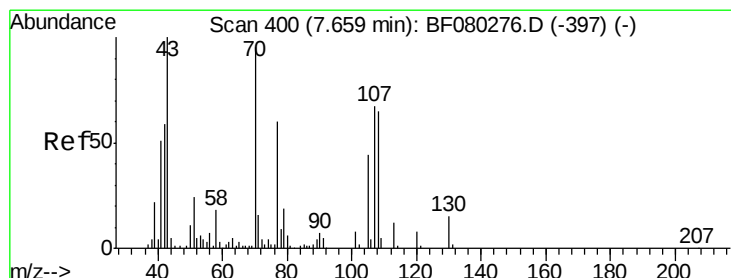
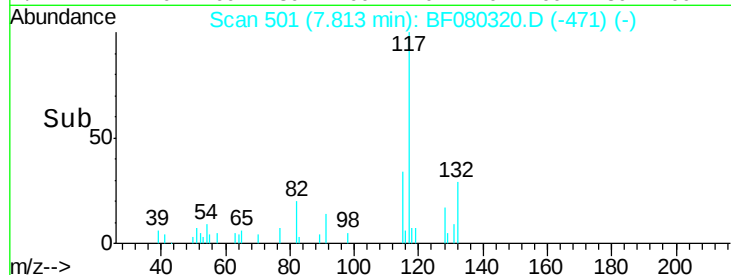
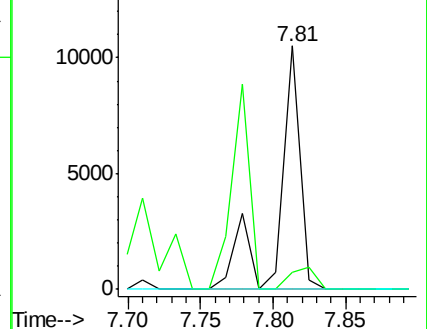
201 0.0 57.5 86.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 11.51 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.16 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Tgt Ion: 70 Resp: 17581

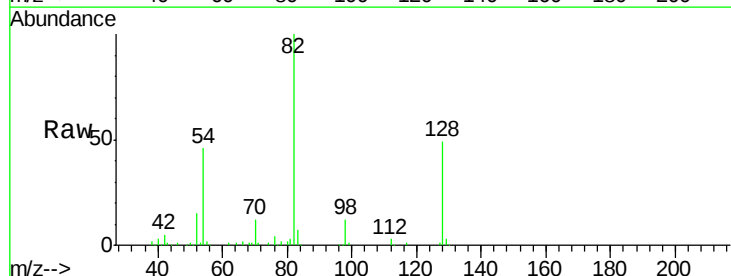
Ion Ratio Lower Upper

70 100

42 44.4 49.8 74.8#

101 0.0 6.8 10.2#

130 2.0 13.0 19.4#

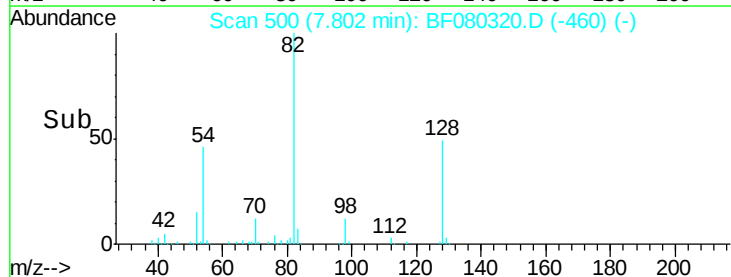
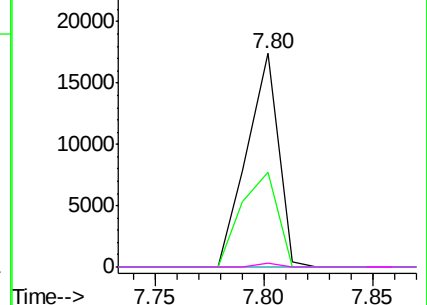


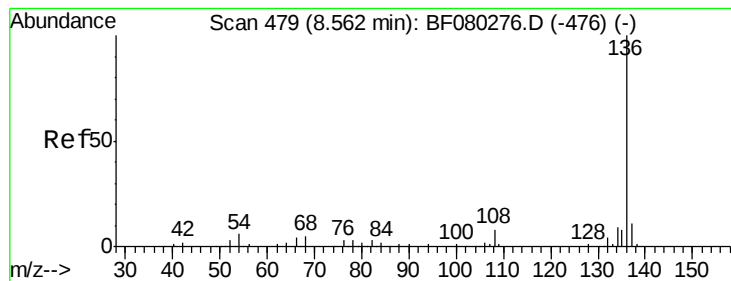
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

Tgt Ion:136 Resp: 116108

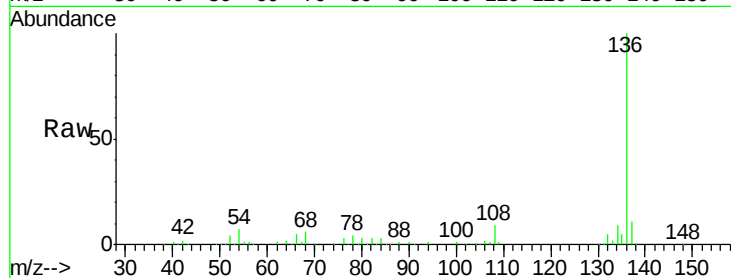
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.5 4.9 7.3#

68 5.8 4.0 6.0

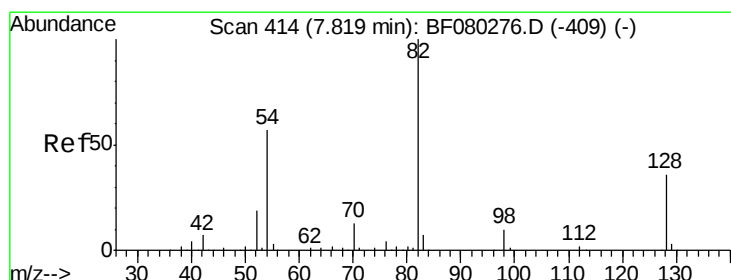
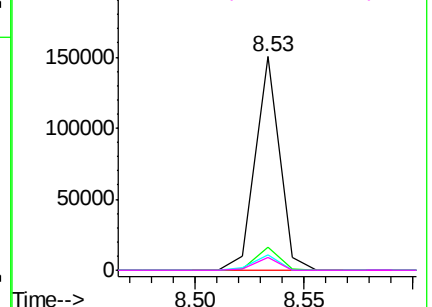
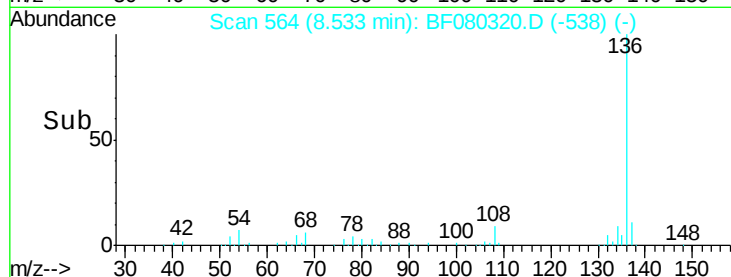


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.34 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

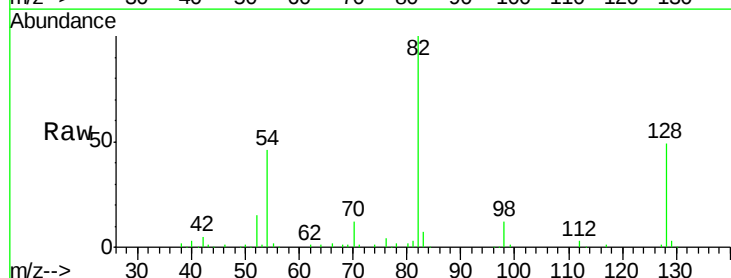
Tgt Ion: 82 Resp: 141998

Ion Ratio Lower Upper

82 100

128 49.4 29.0 43.4#

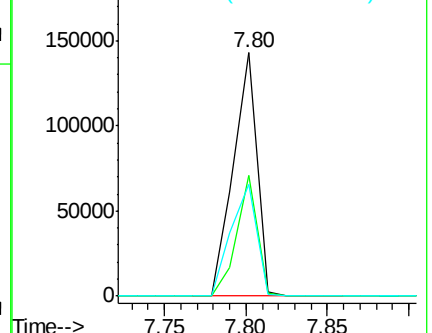
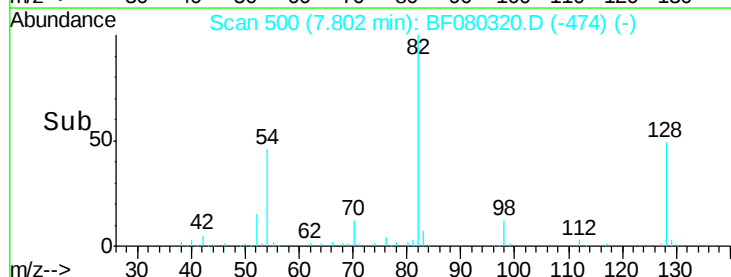
54 45.8 45.3 67.9

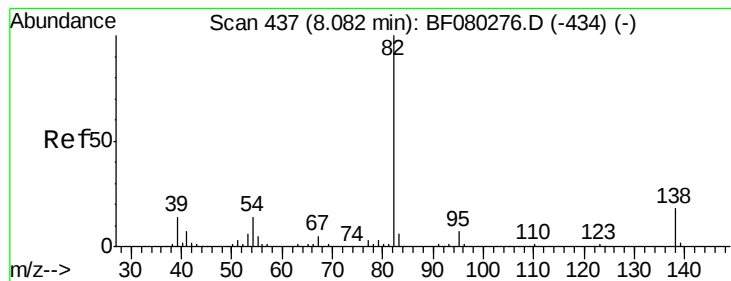


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.64 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.25 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

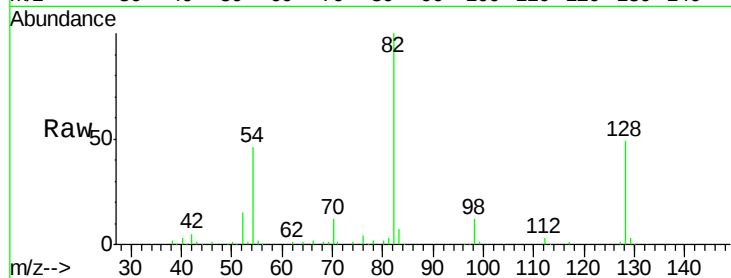
Tgt Ion: 82 Resp: 141990

Ion Ratio Lower Upper

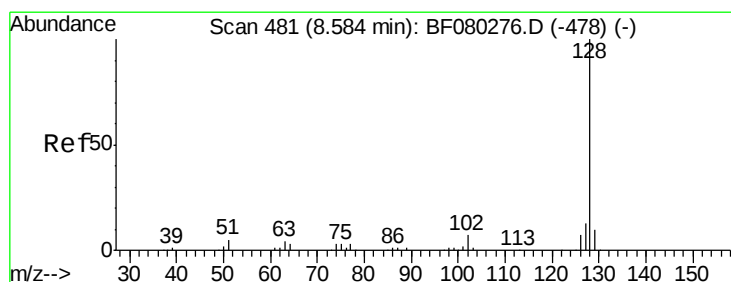
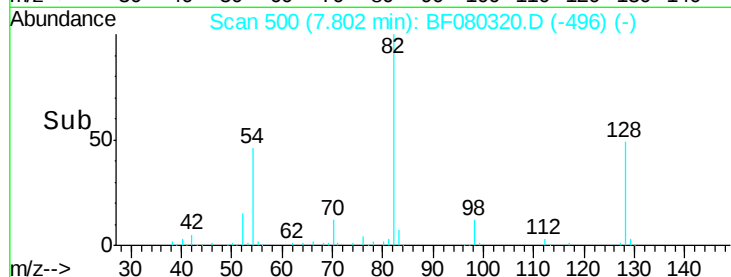
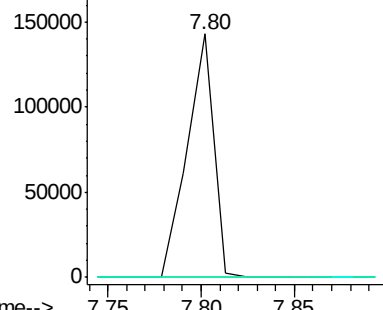
82 100

95 0.0 5.3 7.9#

138 0.0 14.4 21.6#



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



#31

Naphthalene

Concen: 9.26 ng

RT: 8.56 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

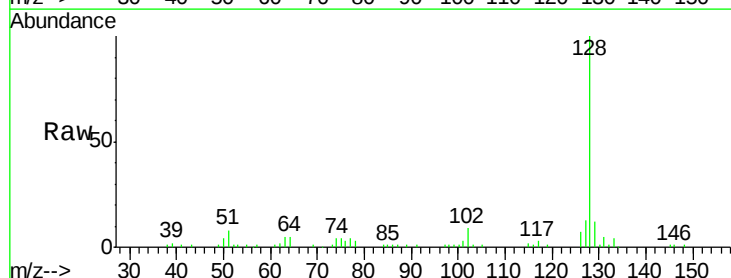
Tgt Ion:128 Resp: 54791

Ion Ratio Lower Upper

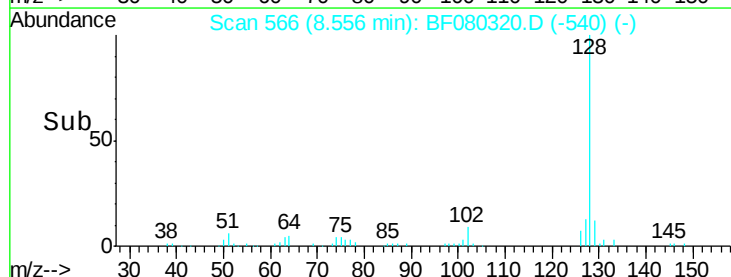
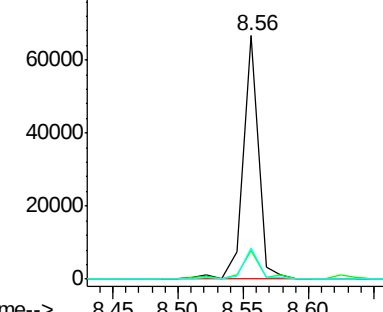
128 100

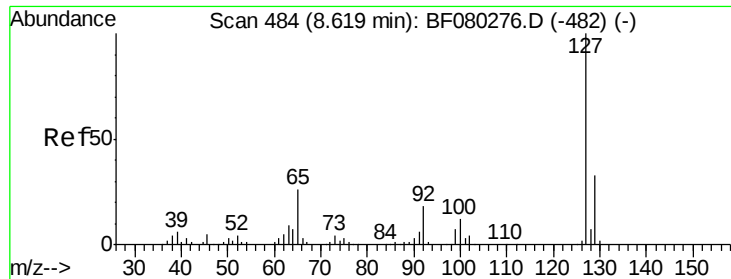
129 11.7 8.2 12.4

127 12.8 10.4 15.6



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

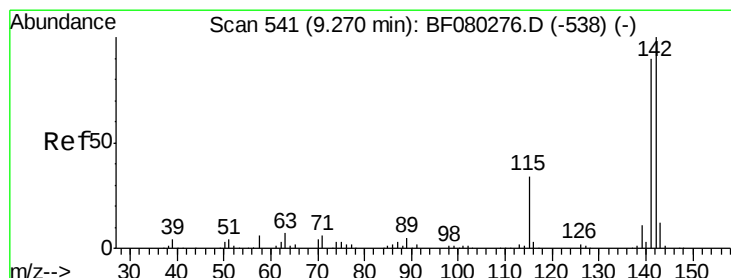
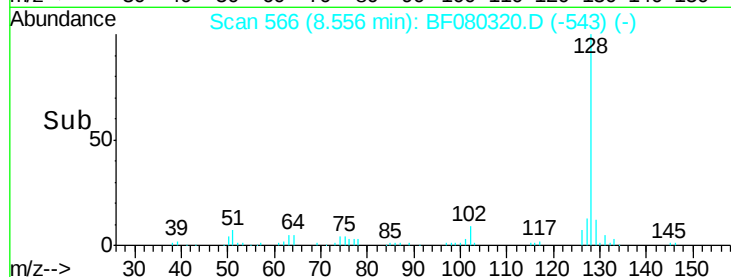
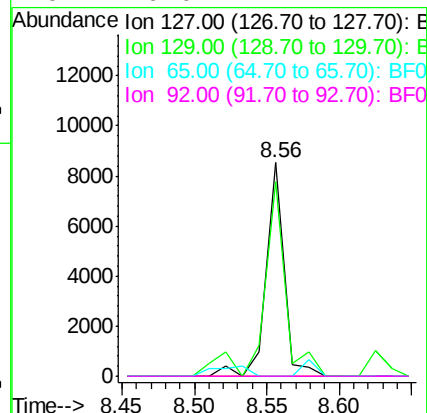
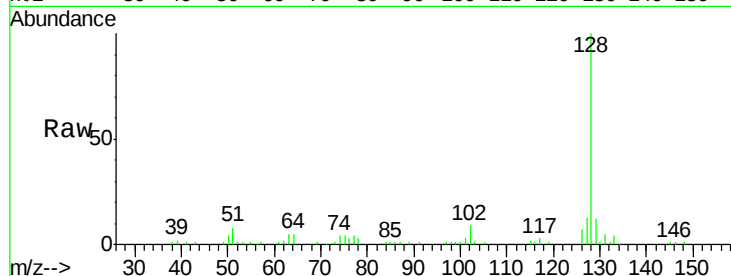




#33
4-Chloroaniline
Concen: 2.95 ng
RT: 8.56 min Scan# 566
Delta R.T. -0.03 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

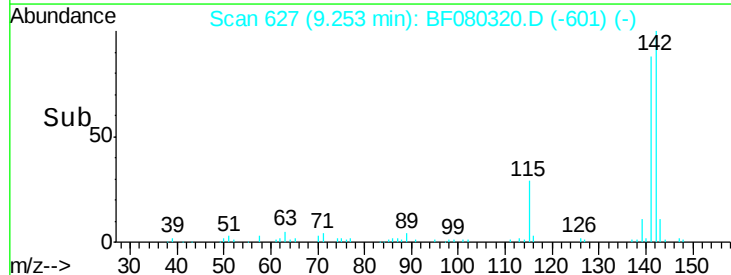
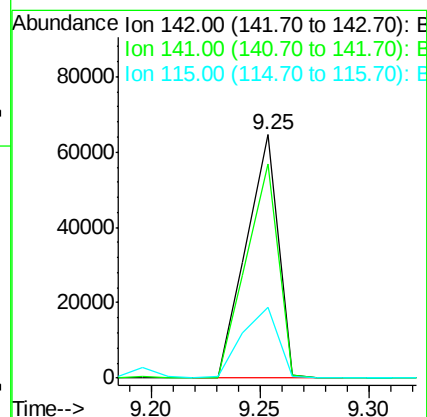
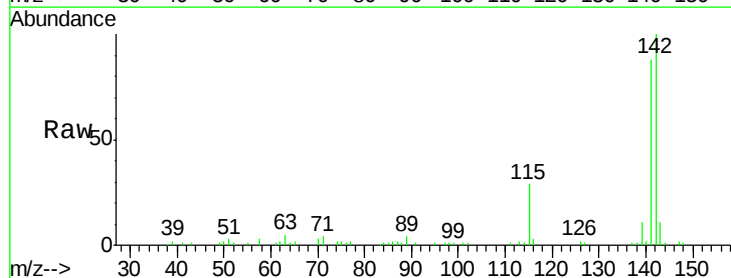
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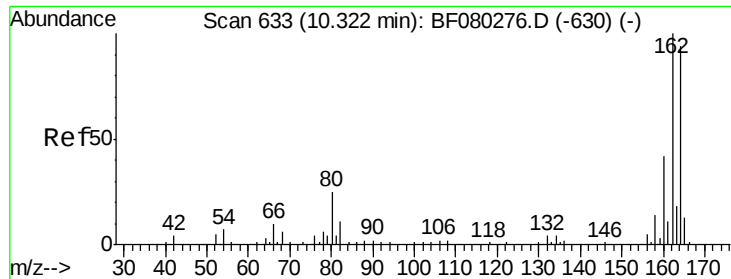
Tgt Ion:	127	Resp:	7414
Ion	Ratio	Lower	Upper
127	100		
129	91.3	26.4	39.6#
65	0.0	21.0	31.6#
92	0.0	14.1	21.1#



#37
2-Methylnaphthalene
Concen: 16.31 ng
RT: 9.25 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

Tgt Ion:	142	Resp:	66073
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.8	107.6
115	29.3	27.4	41.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

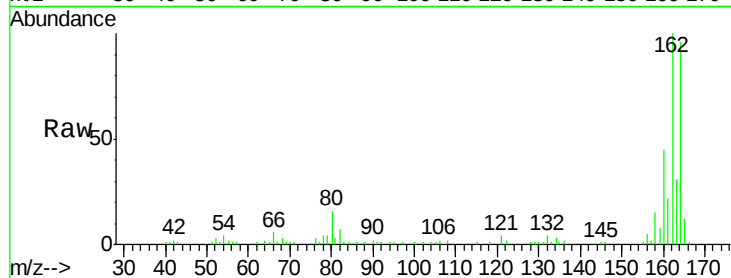
Tgt Ion:164 Resp: 53456

Ion Ratio Lower Upper

164 100

162 104.3 84.8 127.2

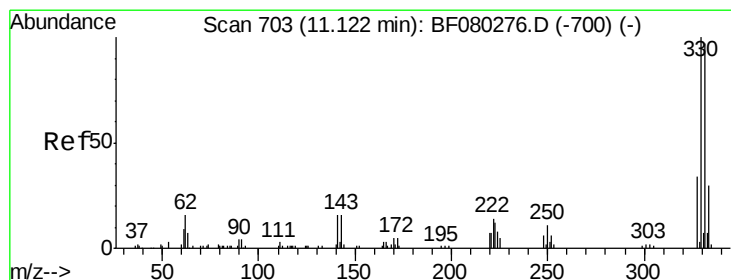
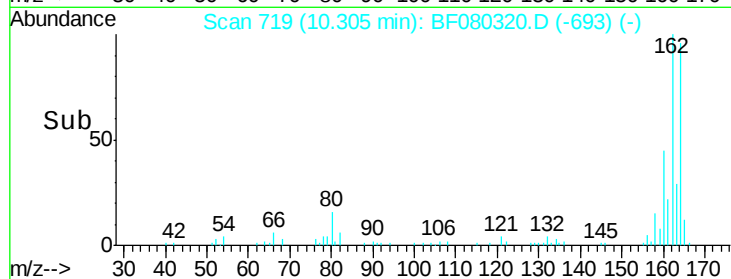
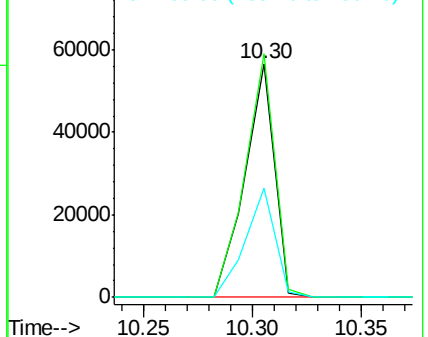
160 46.8 35.8 53.8



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: 99.20 ng

RT: 11.09 min Scan# 788

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

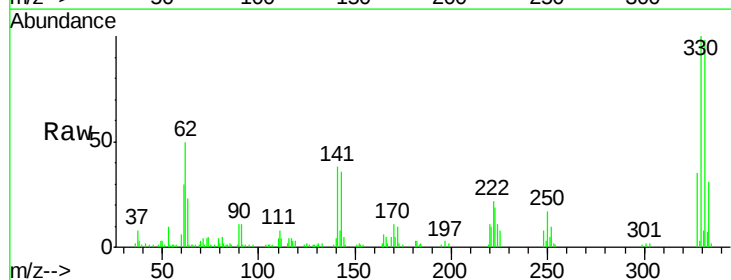
Tgt Ion:330 Resp: 50491

Ion Ratio Lower Upper

330 100

332 98.7 77.4 116.2

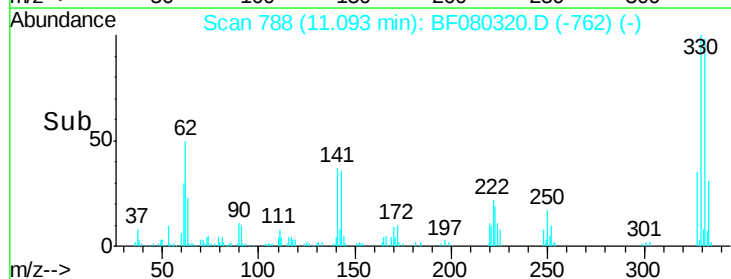
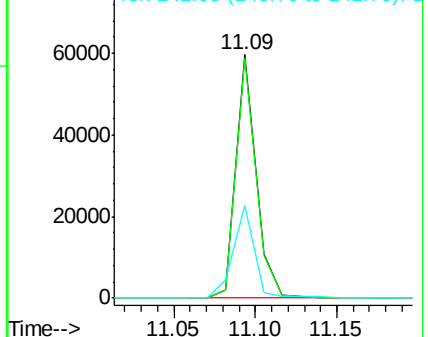
141 40.2 28.0 42.0

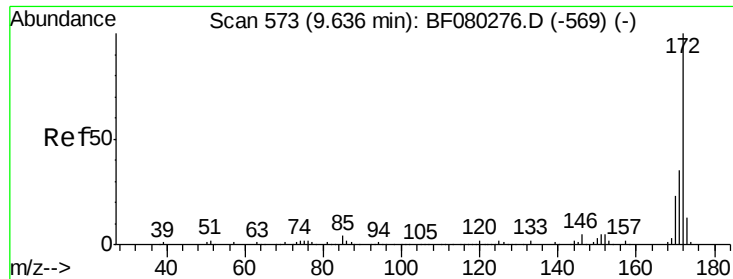


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

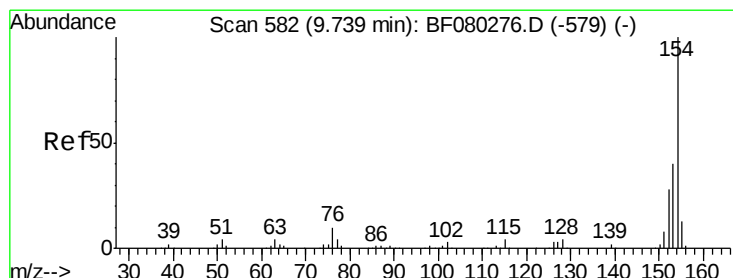
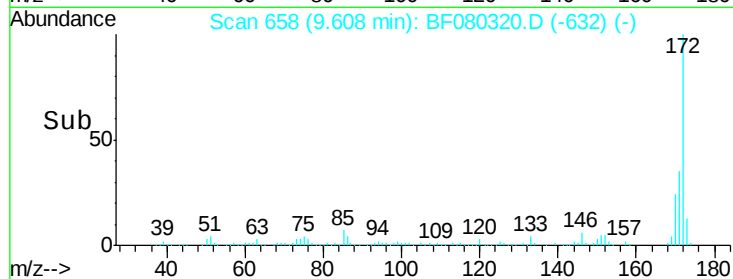
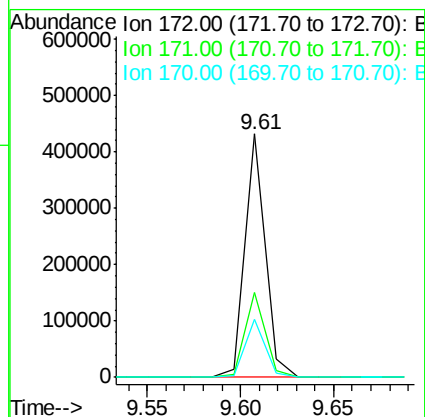
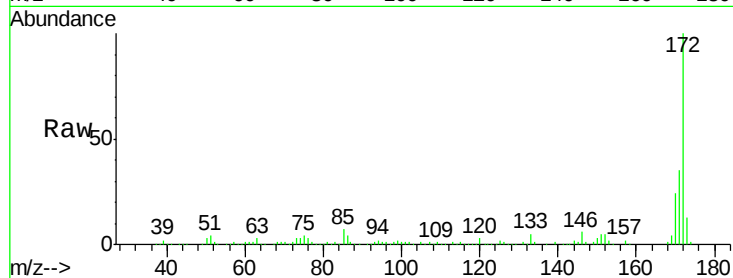




#44
 2-Fluorobiphenyl
 Concen: 88.31 ng
 RT: 9.61 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF080320.D
 Acq: 3 Jul 2015 1:19

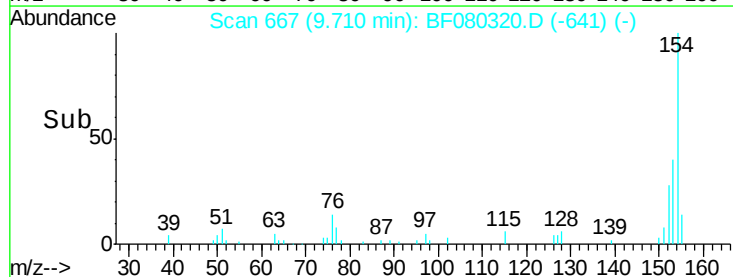
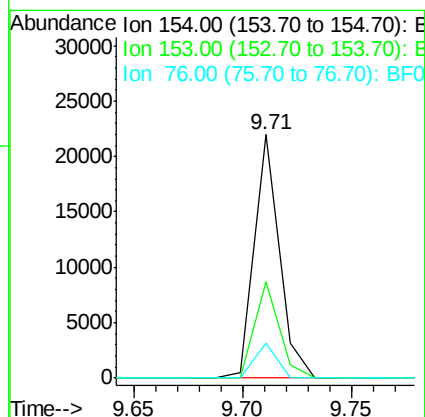
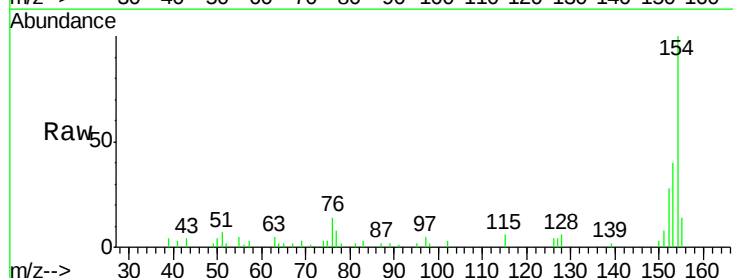
Instrument :
 BNA_F
 ClientSampleId :
 GP-2(7.5)

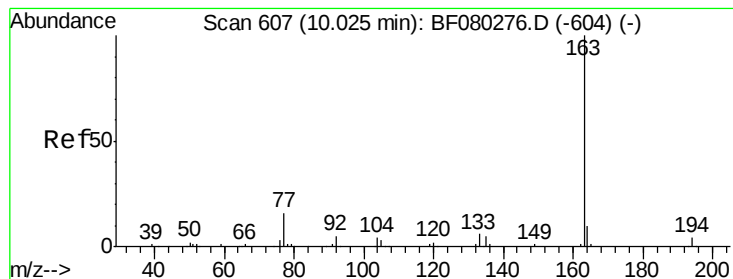
Tgt Ion:172 Resp: 327973
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.1 42.1
 170 23.9 18.6 28.0



#45
 1,1'-Biphenyl
 Concen: 3.88 ng
 RT: 9.71 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: BF080320.D
 Acq: 3 Jul 2015 1:19

Tgt Ion:154 Resp: 17620
 Ion Ratio Lower Upper
 154 100
 153 39.8 20.3 60.3
 76 14.4 0.0 30.3





#49

Dimethylphthalate

Concen: 2.39 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

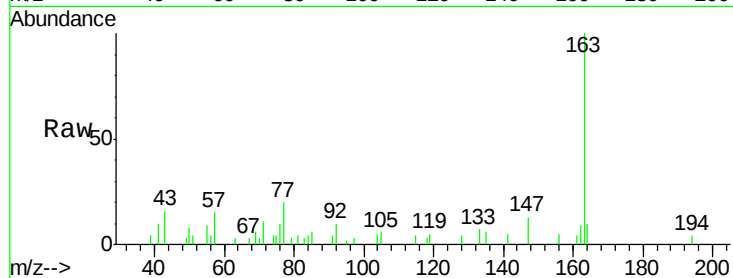
Tgt Ion:163 Resp: 9769

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

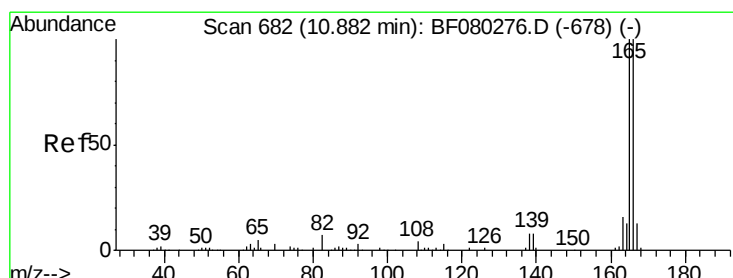
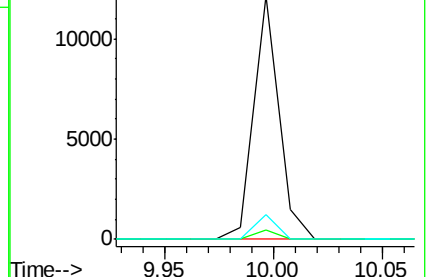
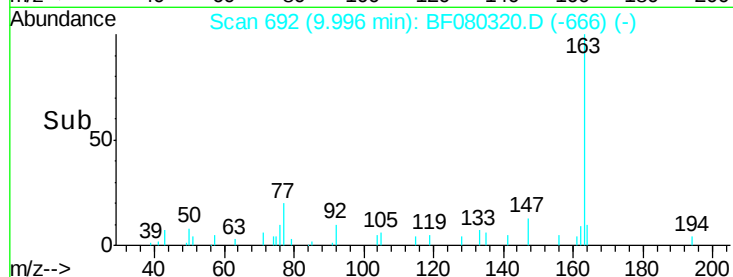
164 10.0 7.9 11.9



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



#57

Fluorene

Concen: 3.68 ng

RT: 10.85 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

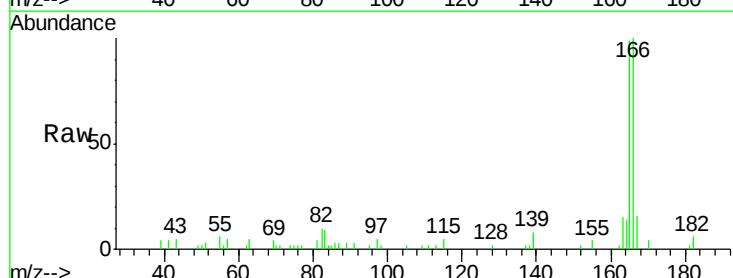
Tgt Ion:166 Resp: 15176

Ion Ratio Lower Upper

166 100

165 99.0 79.9 119.9

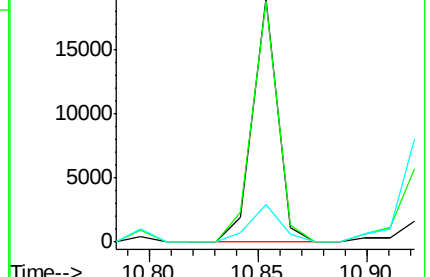
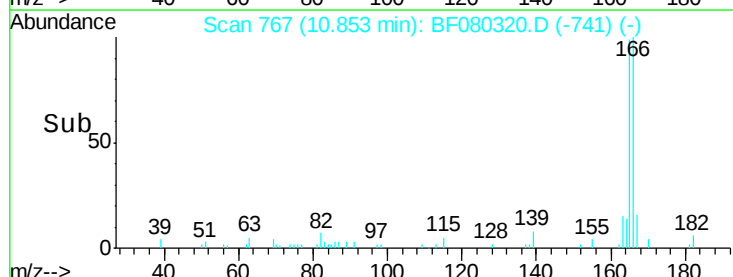
167 15.6 10.3 15.5#

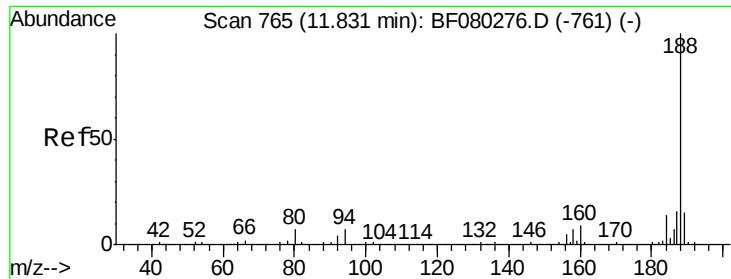


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

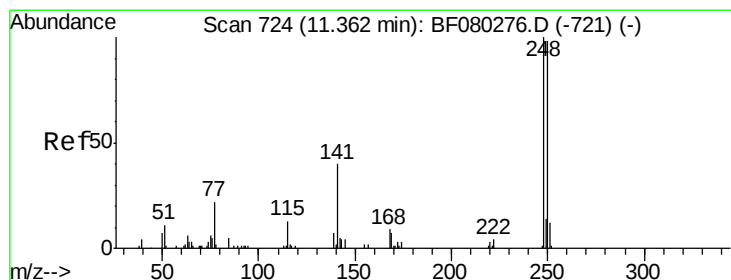
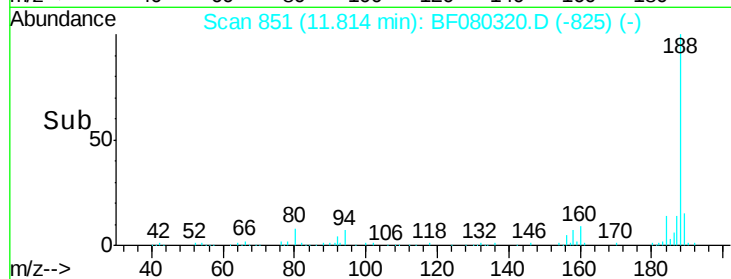
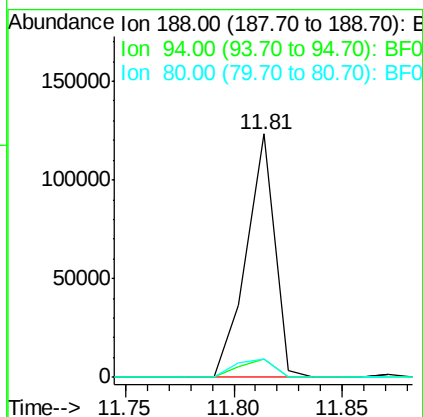
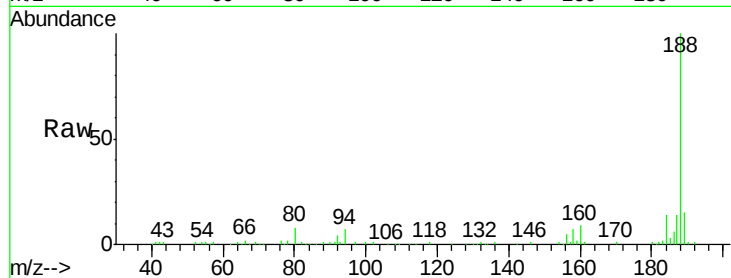




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.81 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF080320.D
 Acq: 3 Jul 2015 1:19

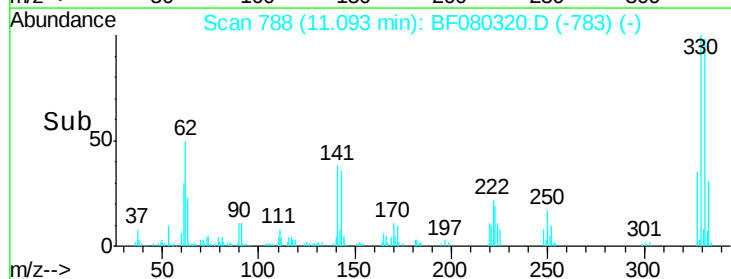
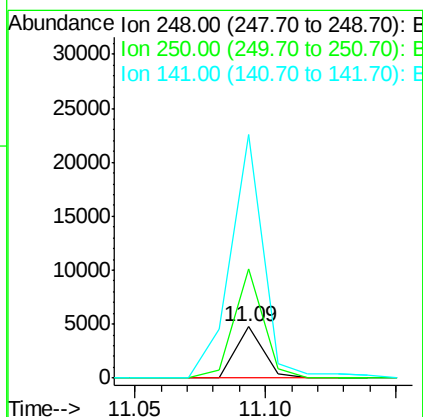
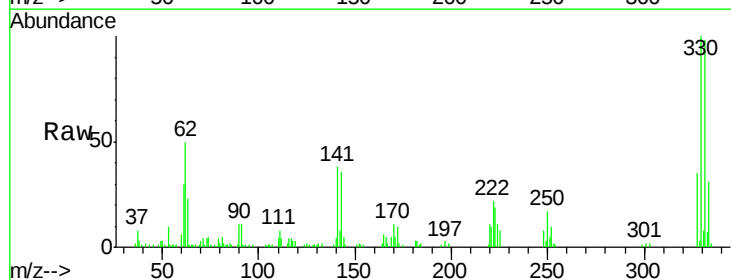
Instrument :
 BNA_F
 ClientSampleId :
 GP-2(7.5)

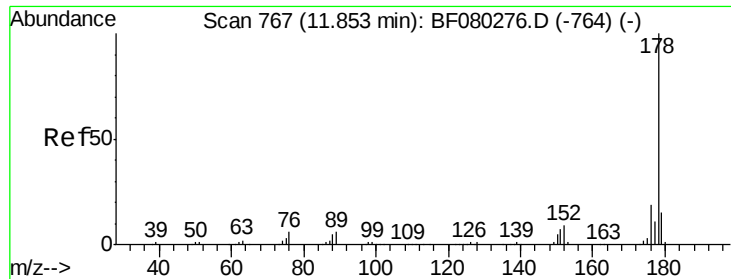
Tgt Ion:188 Resp: 112226
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.4 8.0
 80 7.5 5.8 8.6



#66
 4-Bromophenyl-phenylether
 Concen: 2.94 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.24 min
 Lab File: BF080320.D
 Acq: 3 Jul 2015 1:19

Tgt Ion:248 Resp: 3565
 Ion Ratio Lower Upper
 248 100
 250 212.4 78.2 117.4#
 141 473.4 31.9 47.9#

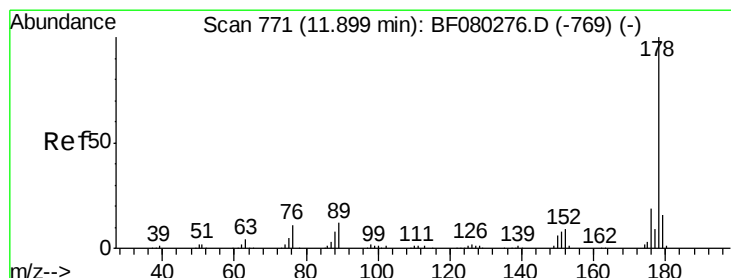
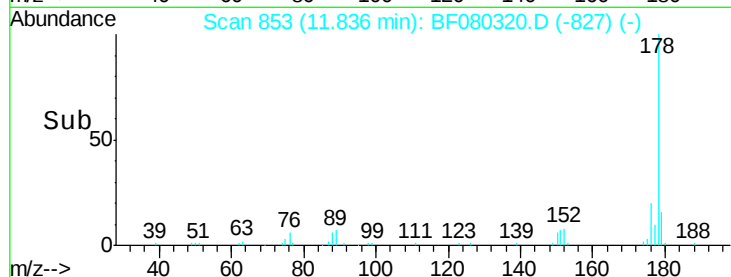
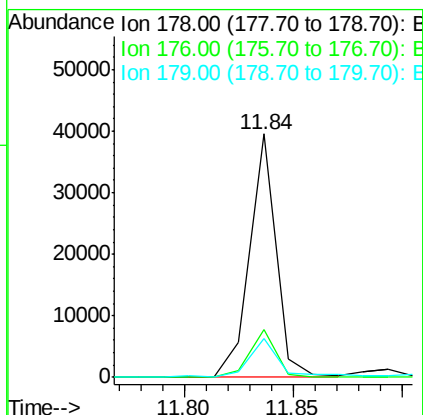
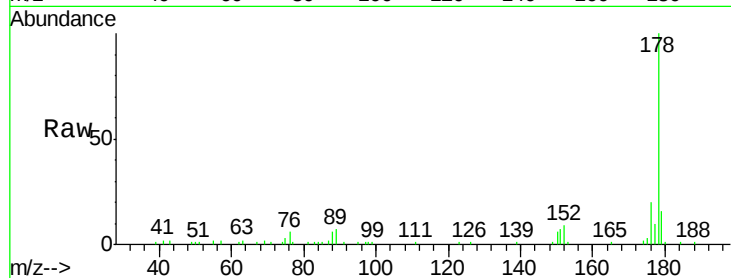




#70
Phenanthrene
Concen: 5.01 ng
RT: 11.84 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

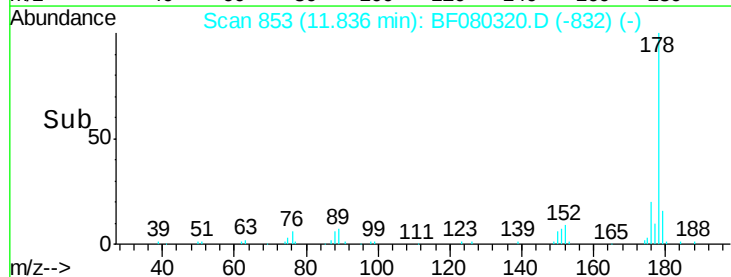
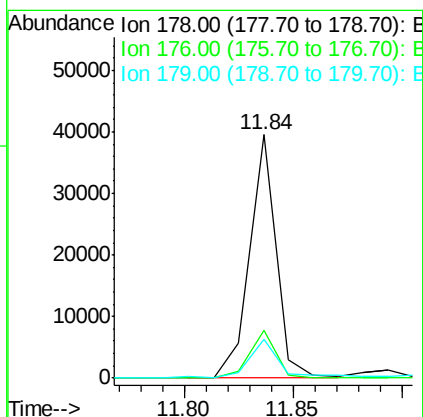
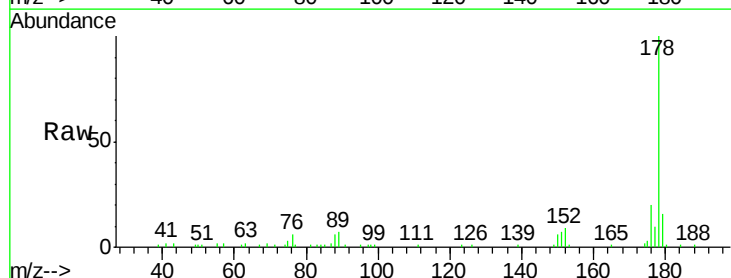
Instrument :
BNA_F
ClientSampleId :
GP-2(7.5)

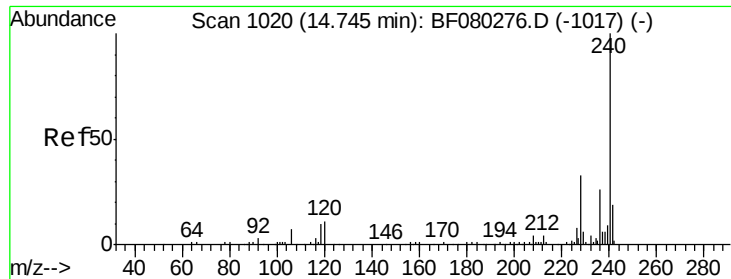
Tgt Ion:178 Resp: 33672
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.2 18.2



#71
Anthracene
Concen: 5.22 ng
RT: 11.84 min Scan# 853
Delta R.T. -0.06 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

Tgt Ion:178 Resp: 33672
Ion Ratio Lower Upper
178 100
176 19.9 15.2 22.8
179 15.7 12.6 18.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

Instrument :

BNA_F

ClientSampleId :

GP-2(7.5)

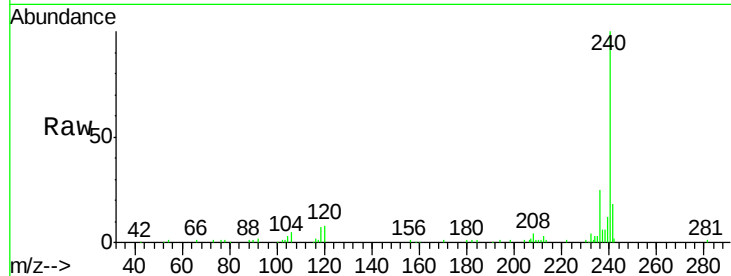
Tgt Ion:240 Resp: 116685

Ion Ratio Lower Upper

240 100

120 8.0 8.7 13.1#

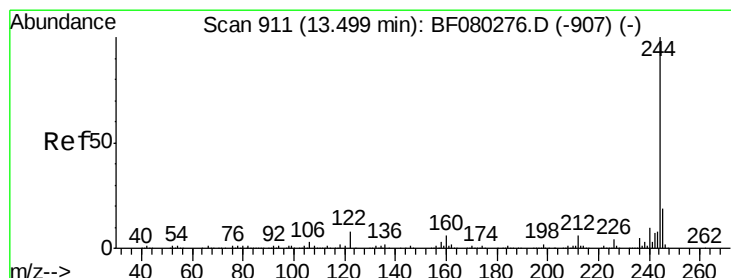
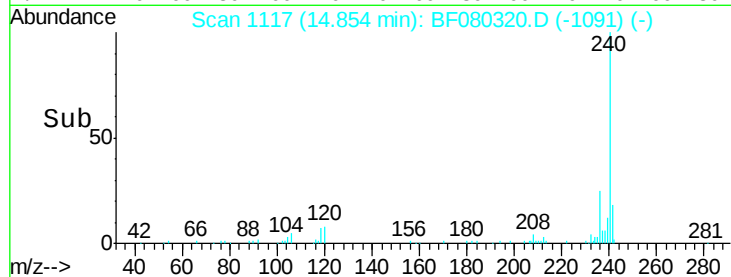
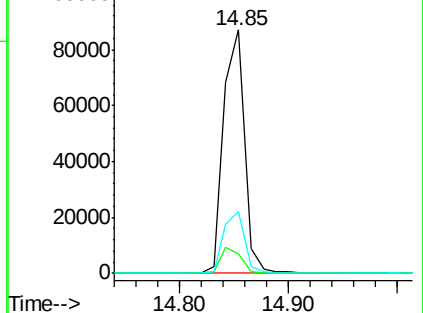
236 25.3 20.9 31.3



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: 67.13 ng

RT: 13.54 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BF080320.D

Acq: 3 Jul 2015 1:19

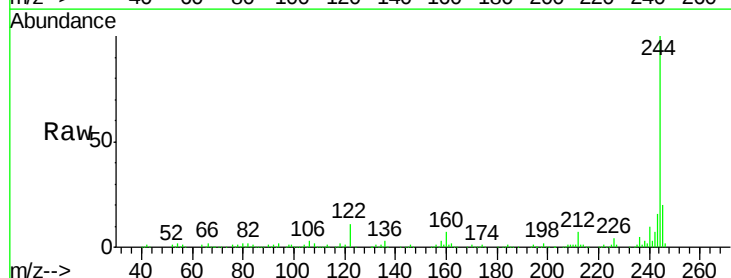
Tgt Ion:244 Resp: 334383

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.6

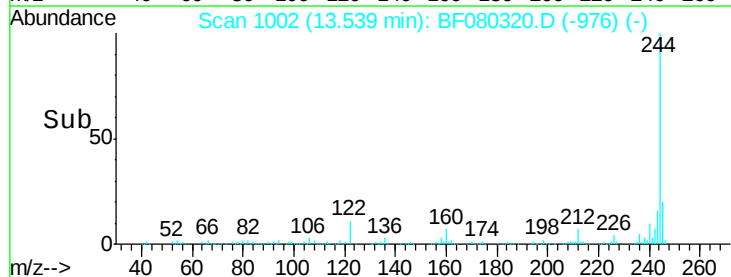
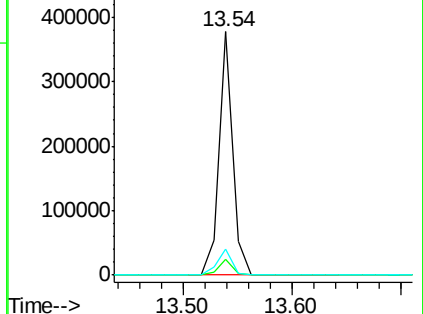
122 10.5 6.6 9.8#

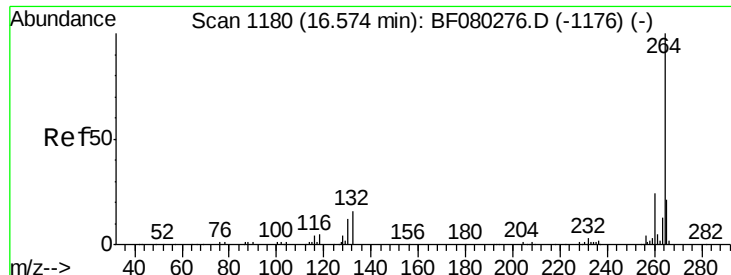


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF080320.D
Acq: 3 Jul 2015 1:19

Instrument :
BNA_F
ClientSampleId :
GP-2(7.5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.6	16.9	25.3

