

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110815\
 Data File : BF082803.D
 Acq On : 7 Nov 2015 11:35
 Operator : UM/IZ
 Sample : G4257-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Quant Time: Nov 08 23:59:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	257666	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1002088	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	483671	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	861917	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	649354	20.00	ng	-0.01
86) Perylene-d12	15.44	264	571007	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1750803	105.72	ng	0.01
7) Phenol-d6	6.49	99	2532963	115.05	ng	0.01
23) Nitrobenzene-d5	7.41	82	1714346	74.44	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	555932	100.24	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2537876	75.20	ng	0.00
78) Terphenyl-d14	12.96	244	1883764	68.81	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	234287	14.48	ng	# 67
25) Isophorone	7.41	82	1629051	38.23	ng	# 69
49) Dimethylphthalate	9.61	163	746512	18.84	ng	99
56) 2,4-Dinitrotoluene	9.88	165	63919	5.57	ng	# 15
66) 4-Bromophenyl-phenylether	10.67	248	34883	3.36	ng	# 1
70) Phenanthrene	11.39	178	1056373	21.10	ng	99
74) Fluoranthene	12.58	202	1145531	21.33	ng	98
77) Pyrene	12.81	202	1126380	25.26	ng	99
80) Benzo(a)anthracene	14.00	228	303270	7.47	ng	94
82) Chrysene	14.03	228	371353	9.98	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	118069	3.69	ng	97
87) Benzo(b)fluoranthene	15.03	252	378678	10.33	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	378678	11.65	ng	# 96
89) Benzo(a)pyrene	15.37	252	185852	5.85	ng	# 97
91) Benzo(g,h,i)perylene	17.23	276	120034	4.66	ng	97

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

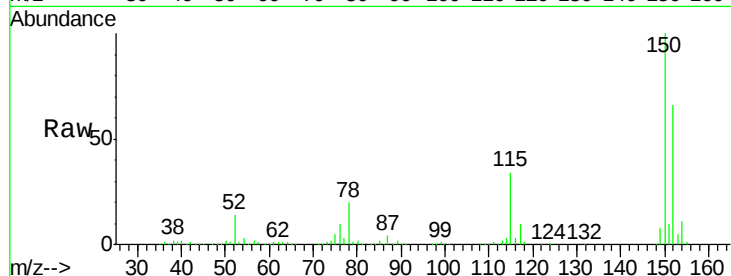


#1

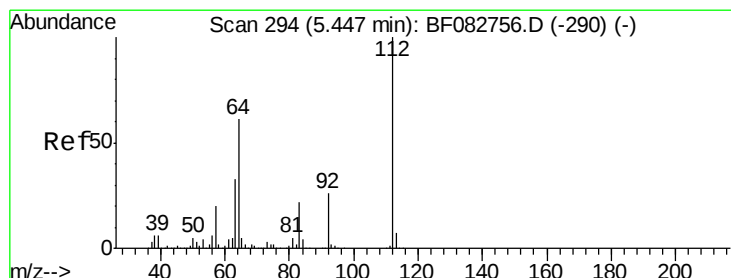
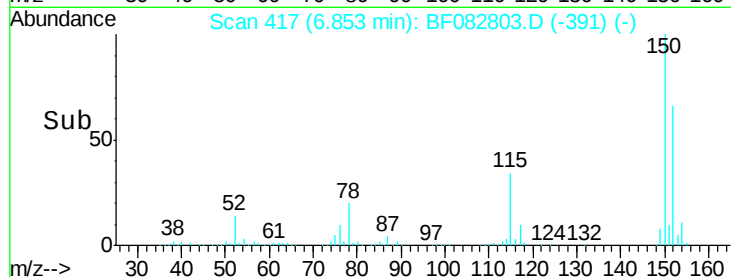
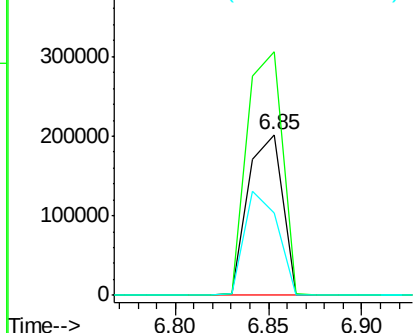
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Tgt Ion:152 Resp: 257666
Ion Ratio Lower Upper
152 100
150 151.8 127.0 190.4
115 51.7 47.0 70.6



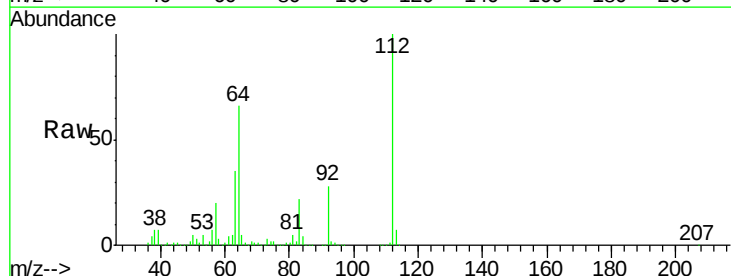
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



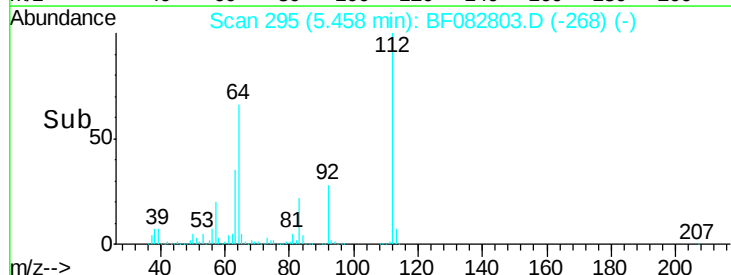
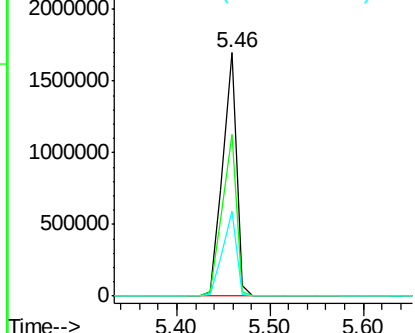
#5

2-Fluorophenol
Concen: 105.72 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:112 Resp: 1750803
Ion Ratio Lower Upper
112 100
64 66.2 48.9 73.3
63 35.0 28.1 42.1



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





#7

Phenol-d6

Concen: 115.05 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

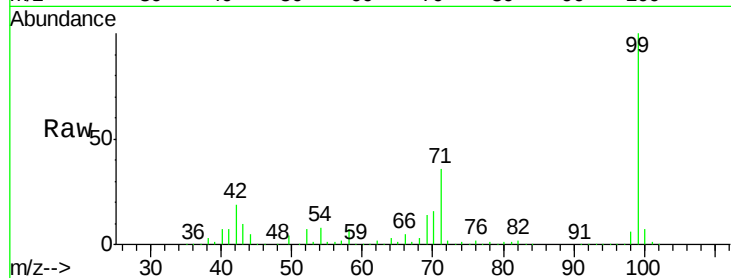
BNA_F

ClientSampleId :

WABUT-8(0-2)

Tgt Ion: 99 Resp: 2532963

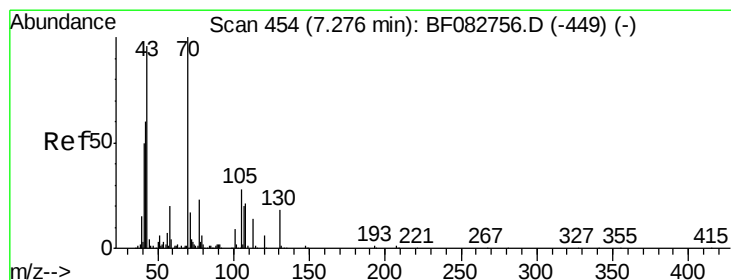
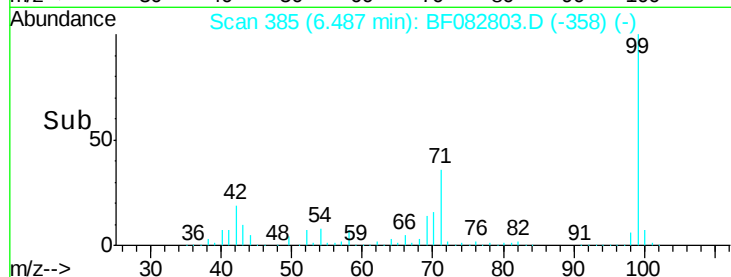
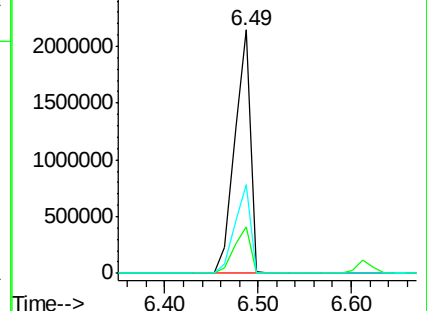
Ion	Ratio	Lower	Upper
99	100		
42	18.9	19.2	28.8#
71	36.5	35.0	52.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.48 ng

RT: 7.41 min Scan# 466

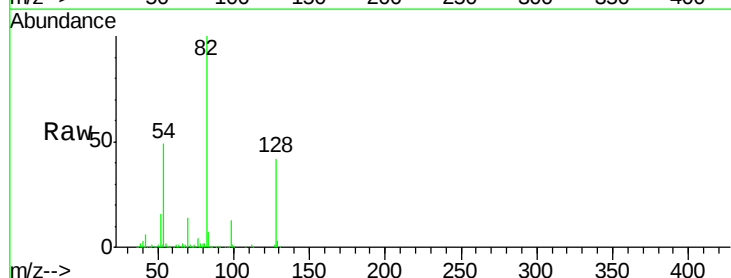
Delta R.T. 0.15 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Tgt Ion: 70 Resp: 234287

Ion	Ratio	Lower	Upper
70	100		
42	42.9	57.7	86.5#
101	0.0	7.0	10.6#
130	2.1	11.8	17.6#

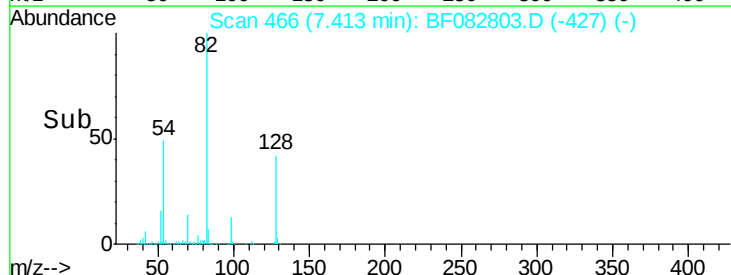
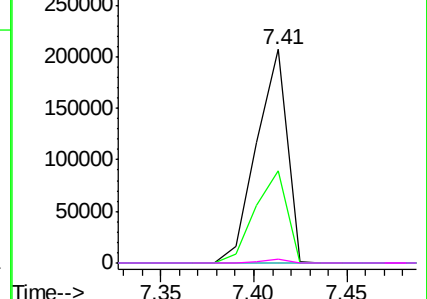


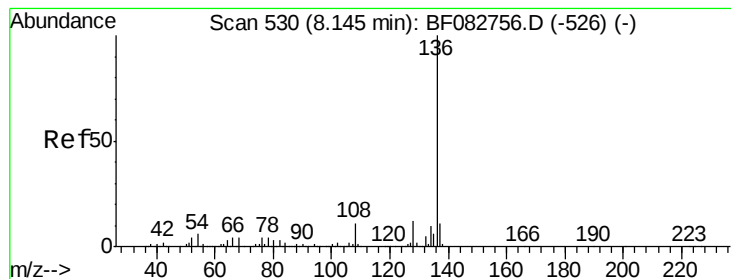
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

Tgt Ion:136 Resp: 1002088

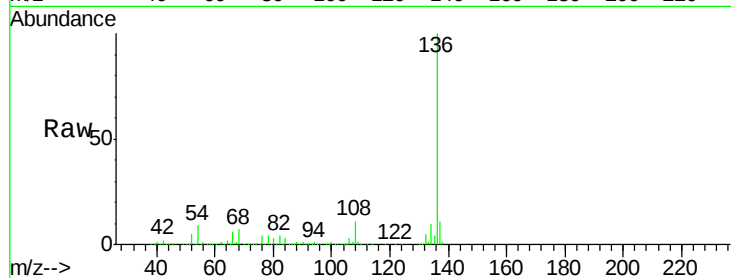
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.3 9.1 13.7

68 6.8 4.8 7.2

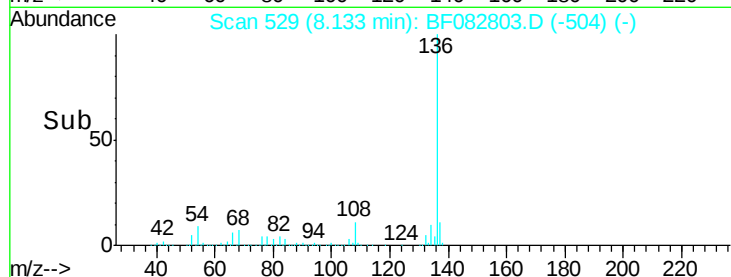


Abundance Ion 136.00 (135.70 to 136.70): E

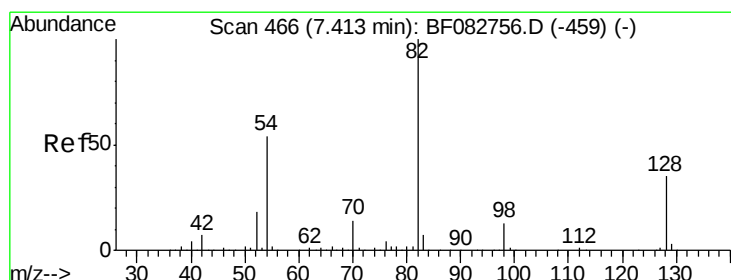
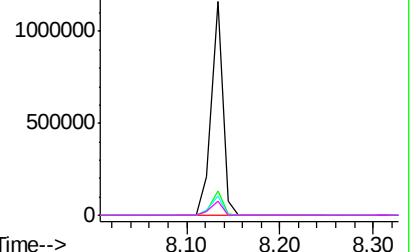
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 74.44 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

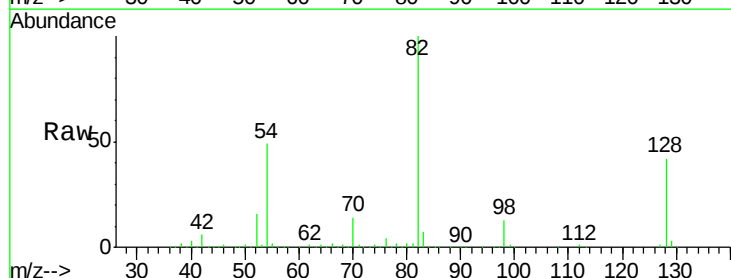
Tgt Ion: 82 Resp: 1714346

Ion Ratio Lower Upper

82 100

128 42.2 26.8 40.2#

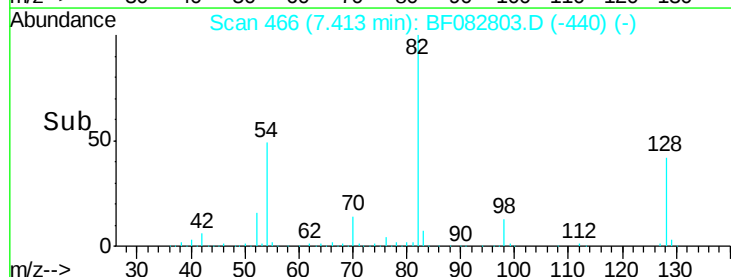
54 49.2 45.7 68.5



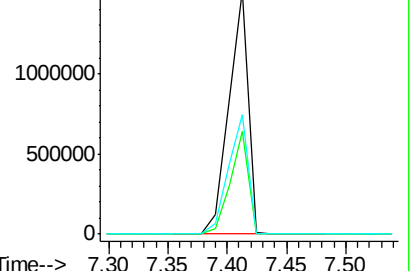
Abundance Ion 82.00 (81.70 to 82.70): BF0

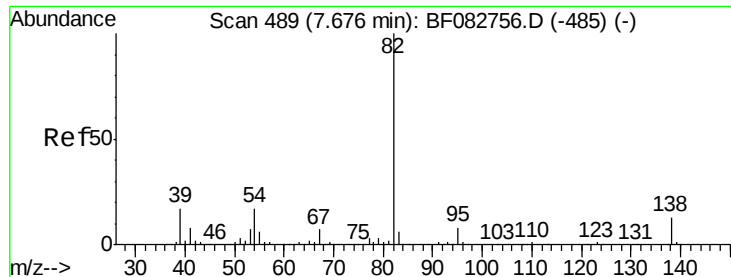
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 38.23 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

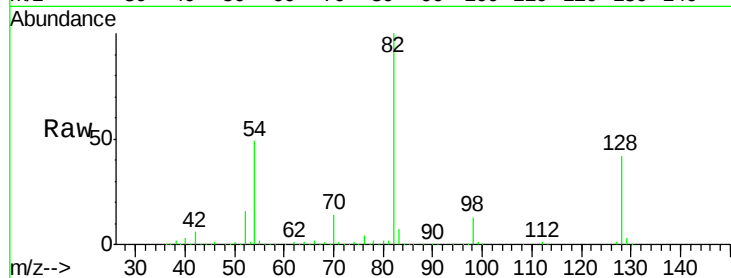
Tgt Ion: 82 Resp: 1629051

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

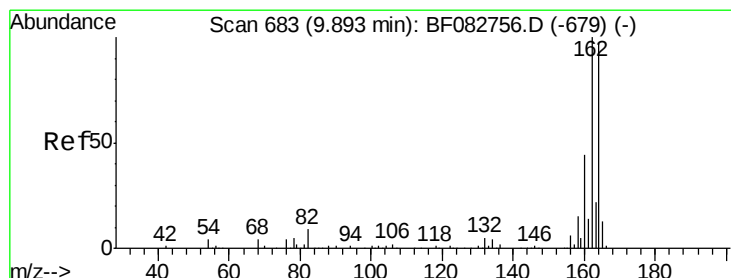
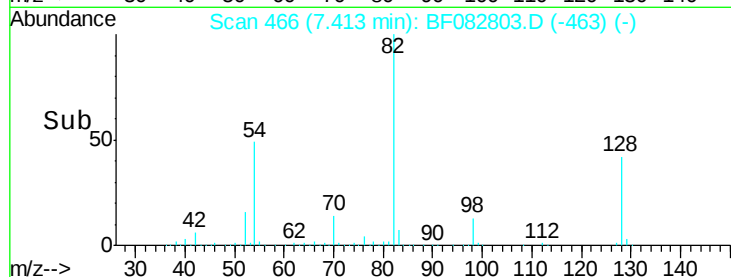
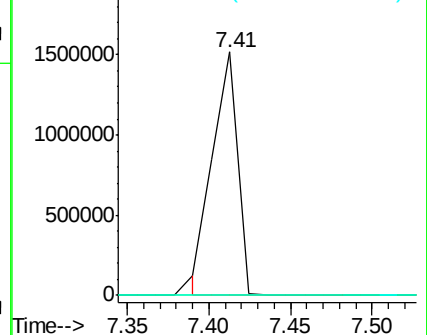
138 0.0 11.4 17.0#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

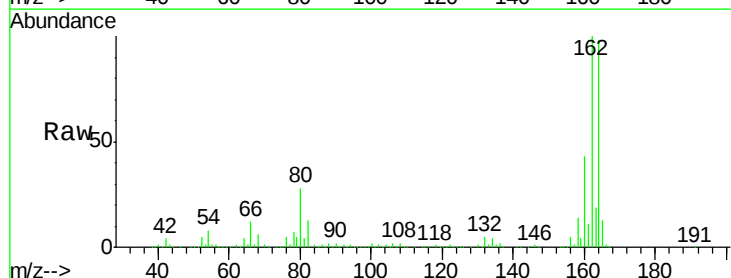
Tgt Ion: 164 Resp: 483671

Ion Ratio Lower Upper

164 100

162 102.3 84.9 127.3

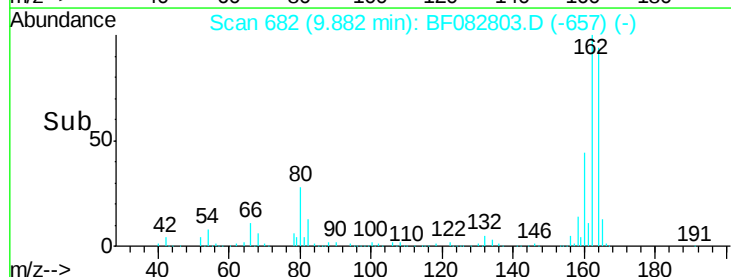
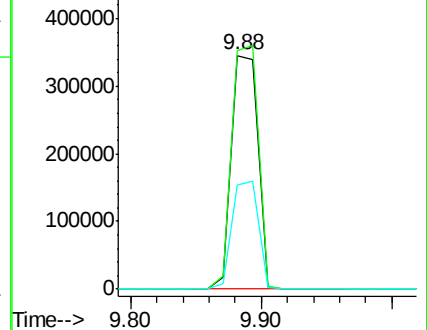
160 44.3 37.5 56.3

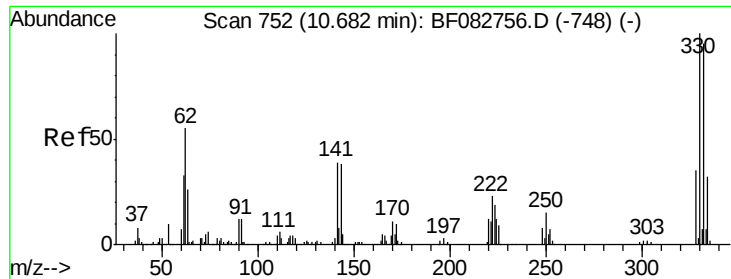


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

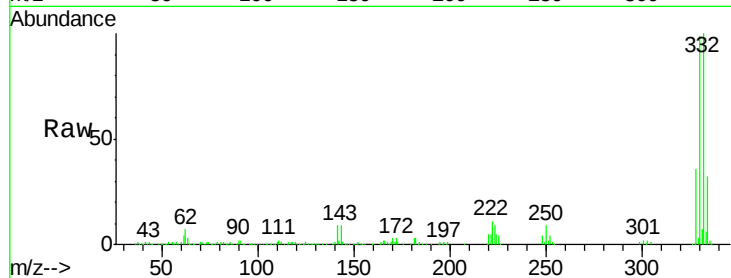




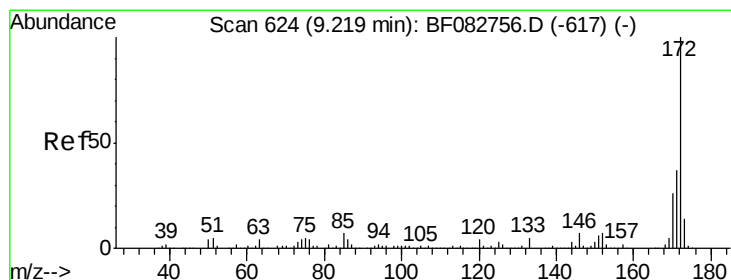
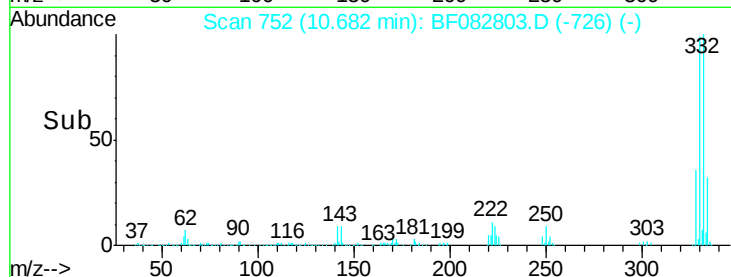
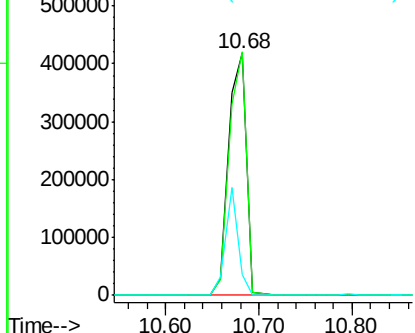
#41
 2,4,6-Tribromophenol
 Concen: 100.24 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Tgt Ion:330 Resp: 555932
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 114.8
 141 31.7 41.2 61.8#

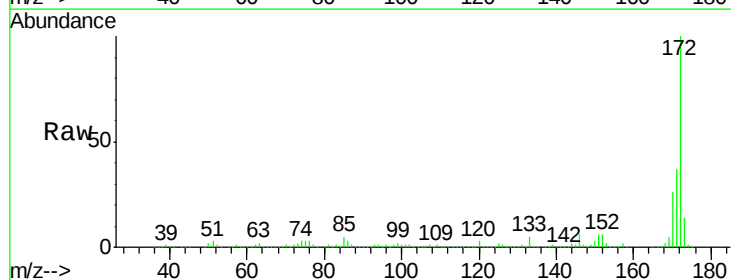


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

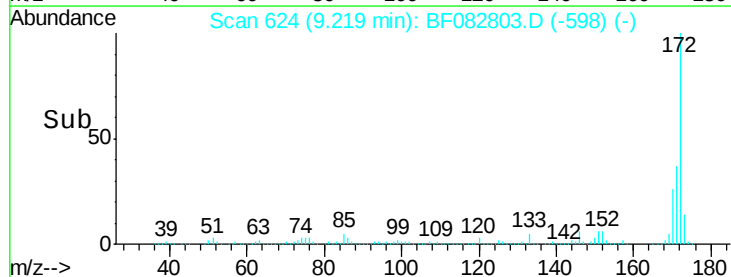
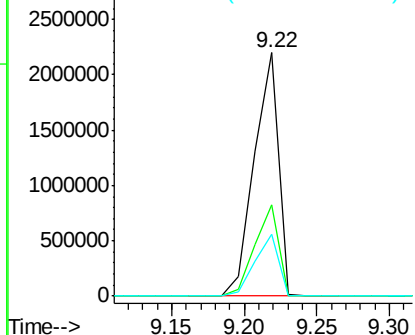


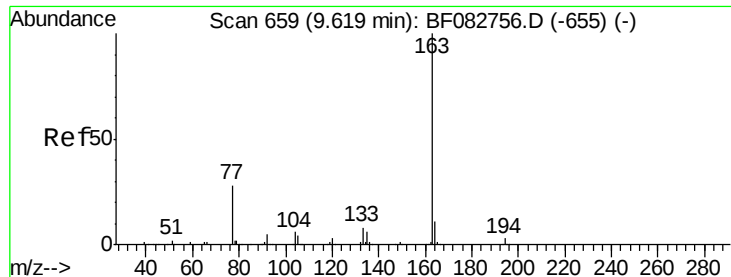
#44
 2-Fluorobiphenyl
 Concen: 75.20 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Tgt Ion:172 Resp: 2537876
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.8 46.2
 170 25.7 21.2 31.8



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

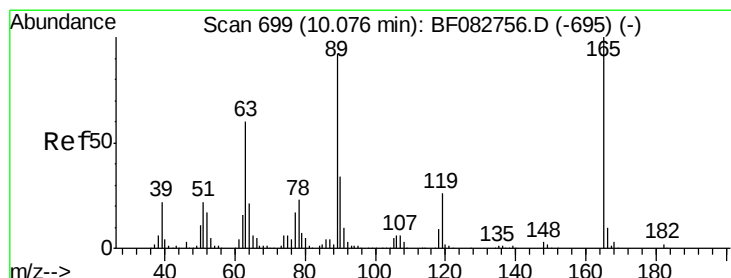
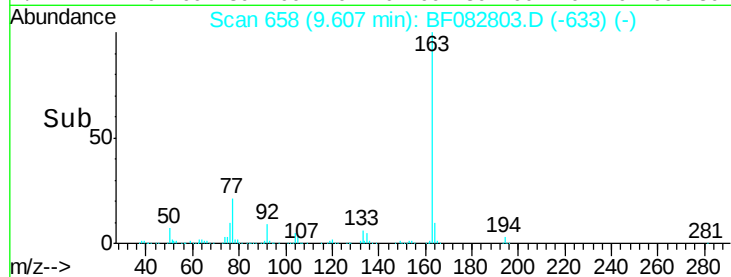
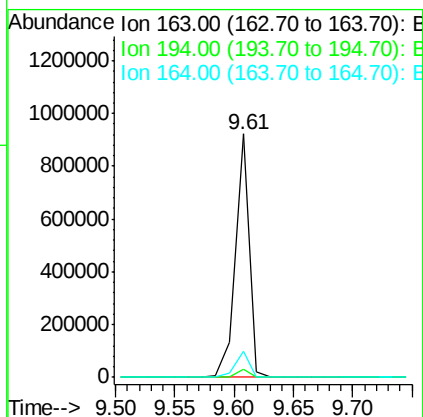
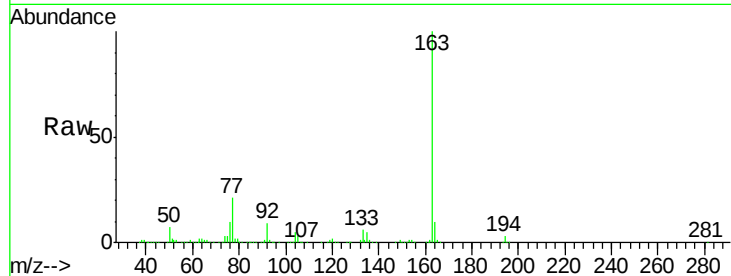




#49
Dimethylphthalate
Concen: 18.84 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

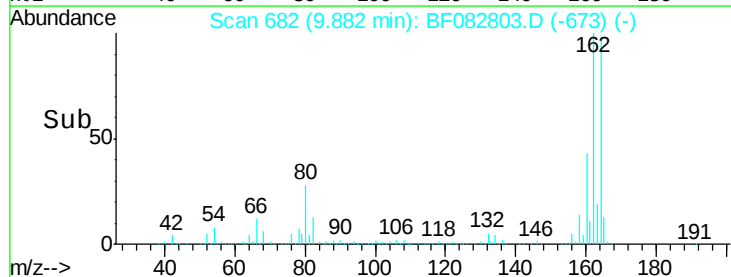
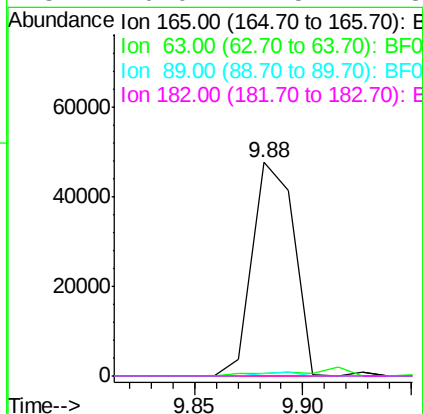
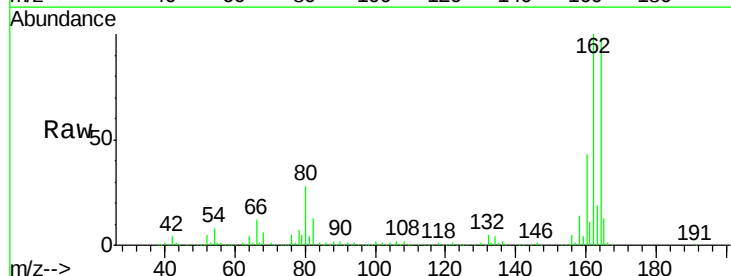
Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

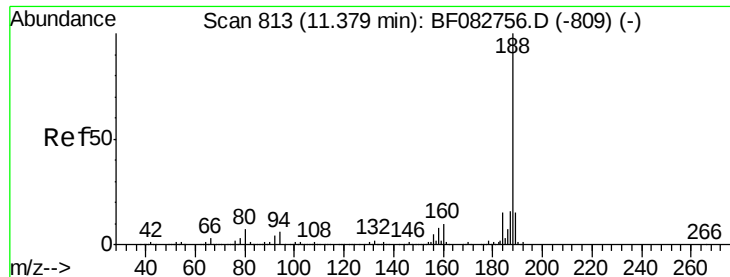
Tgt Ion:163 Resp: 746512
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.5 8.7 13.1



#56
2,4-Dinitrotoluene
Concen: 5.57 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.19 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:165 Resp: 63919
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.0#
89 1.5 70.6 106.0#
182 0.0 1.5 2.3#

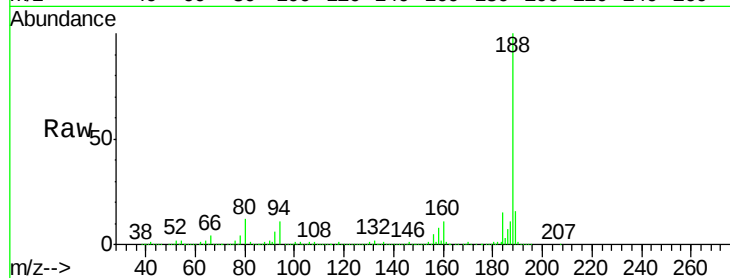




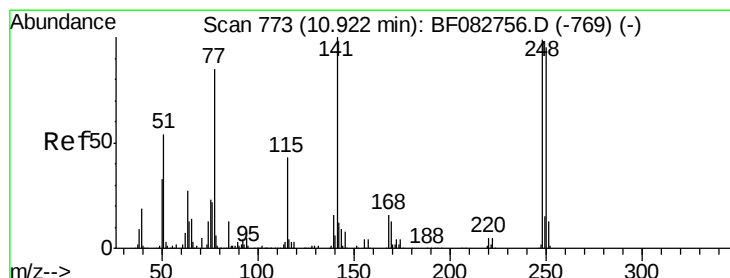
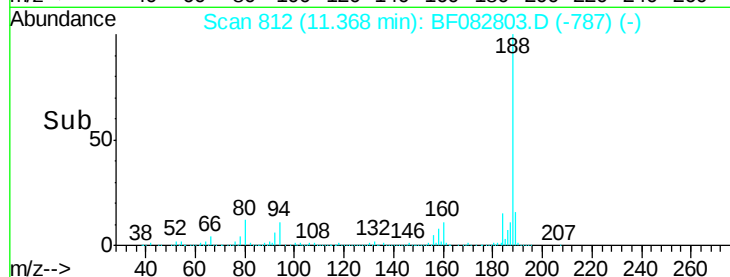
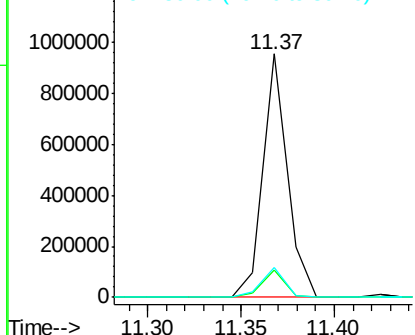
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Tgt Ion:188 Resp: 861917
Ion Ratio Lower Upper
188 100
94 11.1 6.1 9.1#
80 12.4 7.0 10.6#

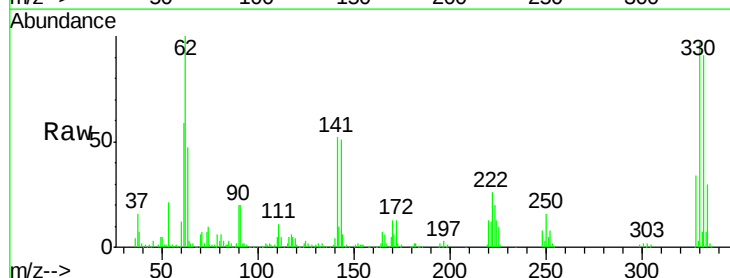


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

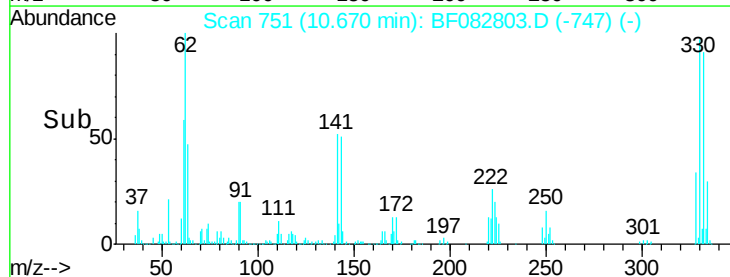
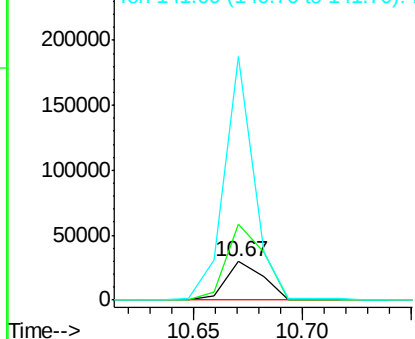


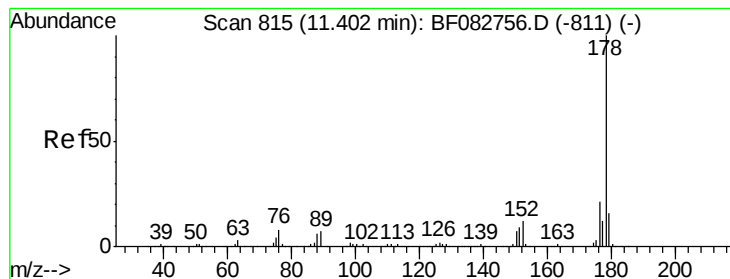
#66
4-Bromophenyl-phenylether
Concen: 3.36 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:248 Resp: 34883
Ion Ratio Lower Upper
248 100
250 198.0 79.4 119.2#
141 636.7 36.3 54.5#



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





#70

Phenanthrene

Concen: 21.10 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

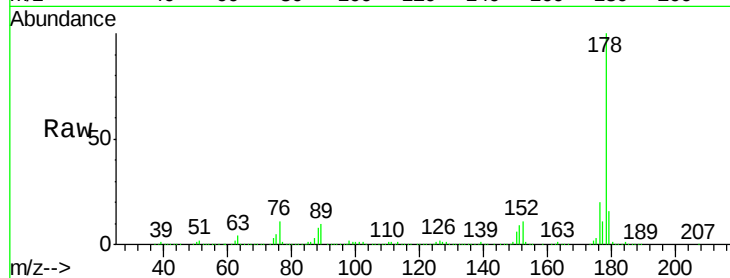
Tgt Ion:178 Resp: 1056373

Ion Ratio Lower Upper

178 100

176 20.5 17.0 25.4

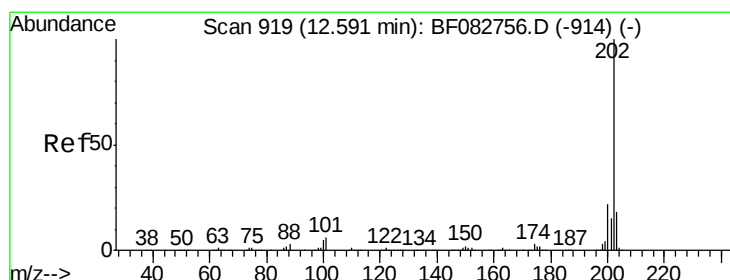
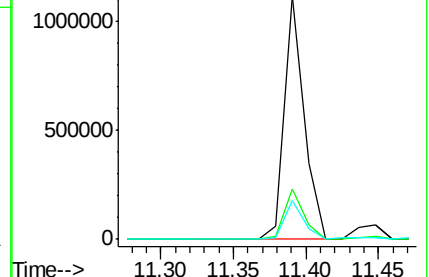
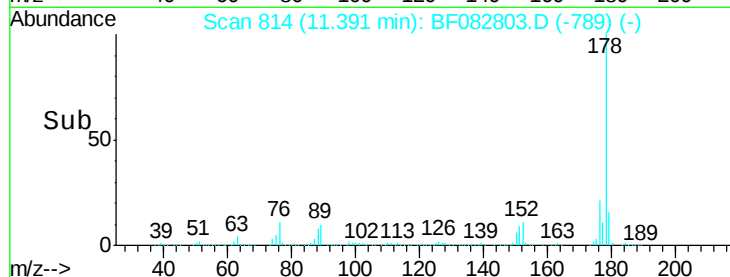
179 16.2 13.4 20.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 21.33 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

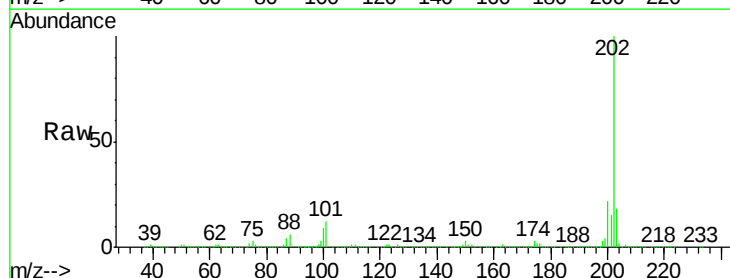
Tgt Ion:202 Resp: 1145531

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

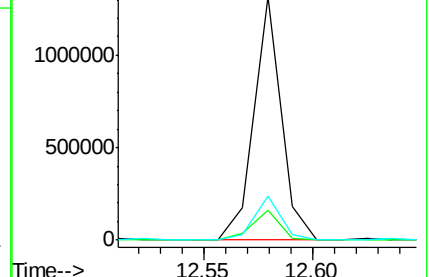
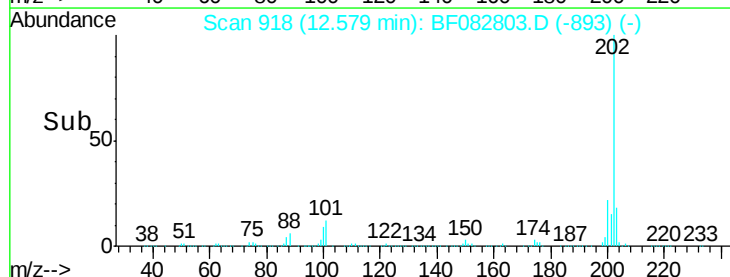
203 18.3 0.0 38.5

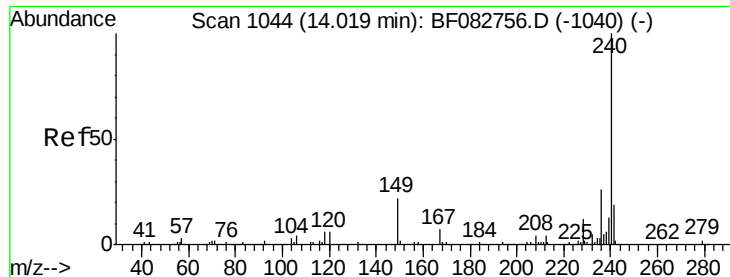


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

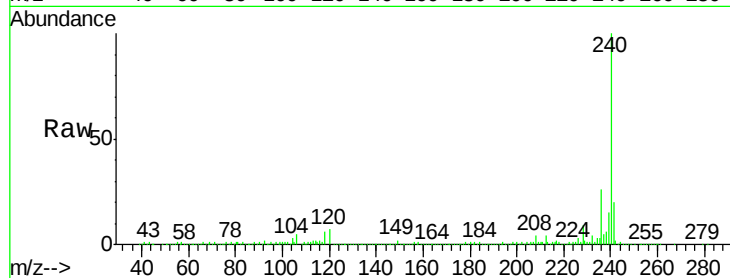
Tgt Ion:240 Resp: 649354

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

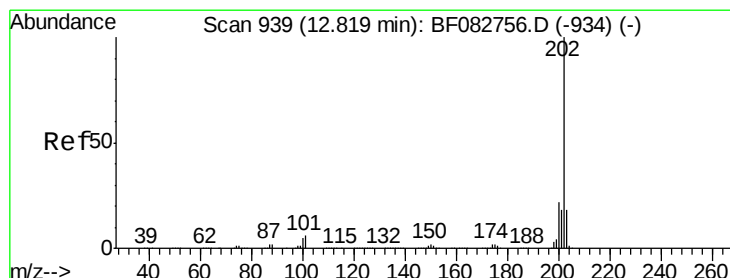
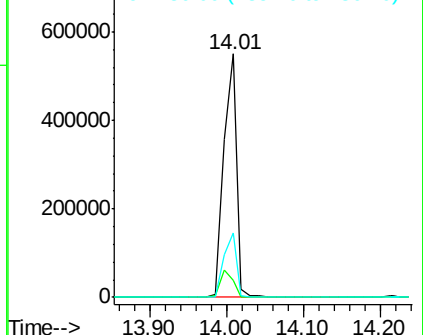
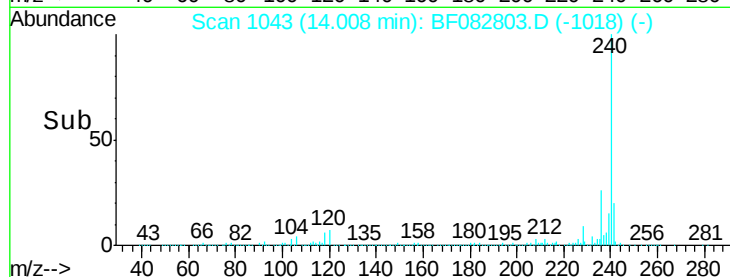
236 26.3 21.6 32.4



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



#77

Pyrene

Concen: 25.26 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

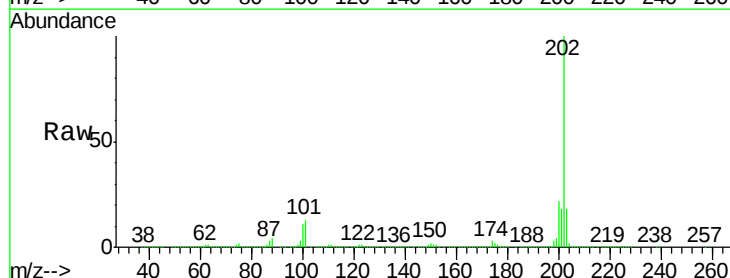
Tgt Ion:202 Resp: 1126380

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

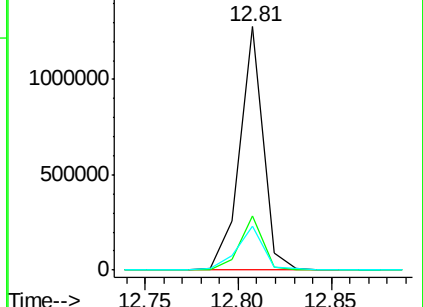
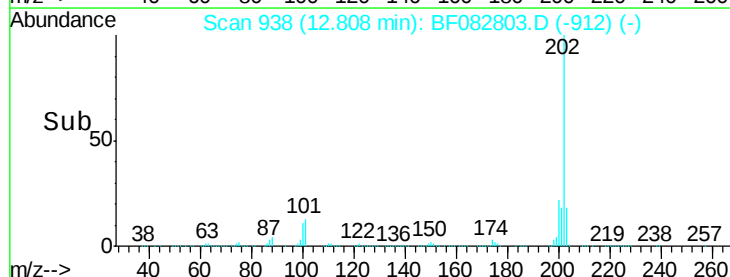
203 18.3 14.8 22.2

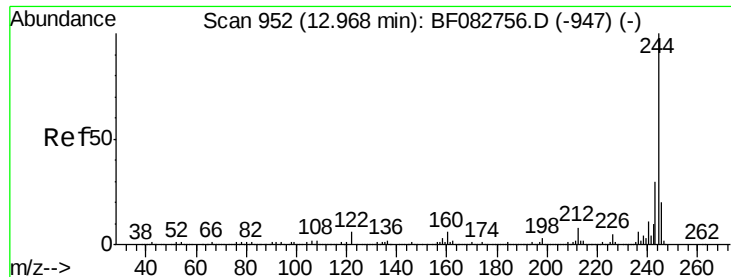


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.81 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

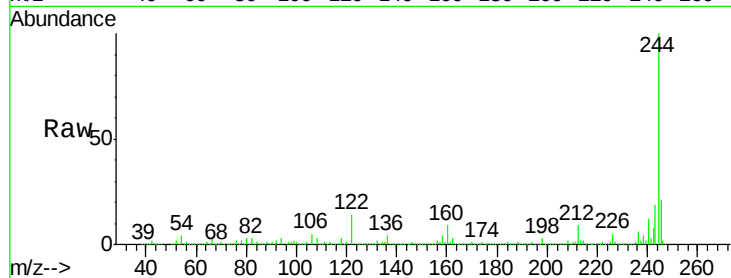
Tgt Ion:244 Resp: 1883764

Ion Ratio Lower Upper

244 100

212 8.5 7.6 11.4

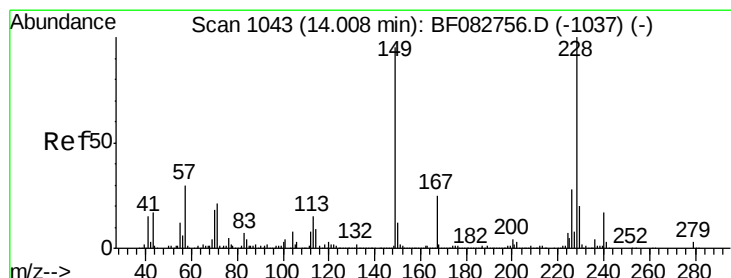
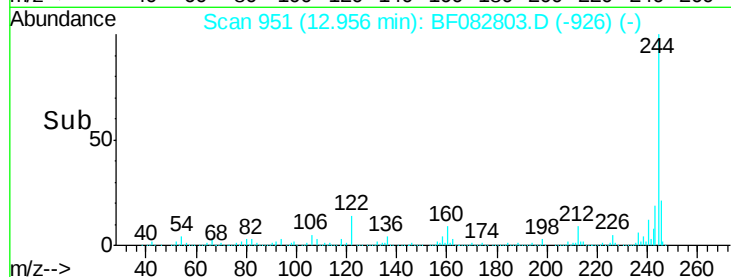
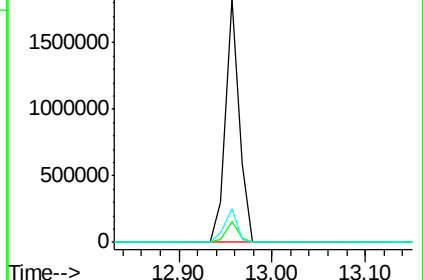
122 13.7 11.3 16.9



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



#80

Benzo(a)anthracene

Concen: 7.47 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

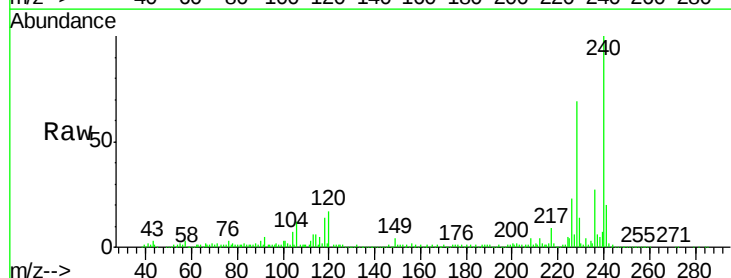
Tgt Ion:228 Resp: 303270

Ion Ratio Lower Upper

228 100

226 34.1 23.4 35.2

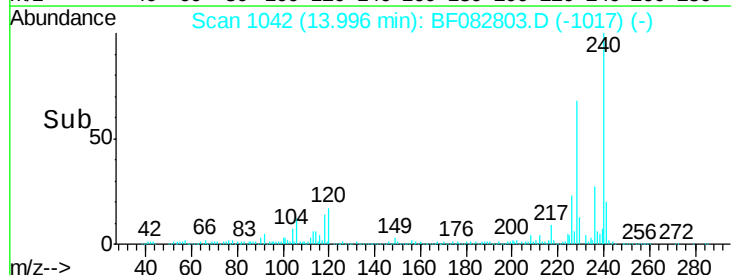
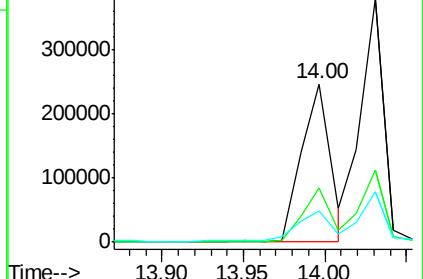
229 20.1 16.3 24.5

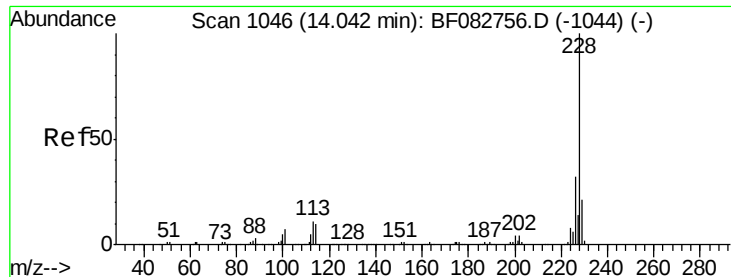


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.98 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

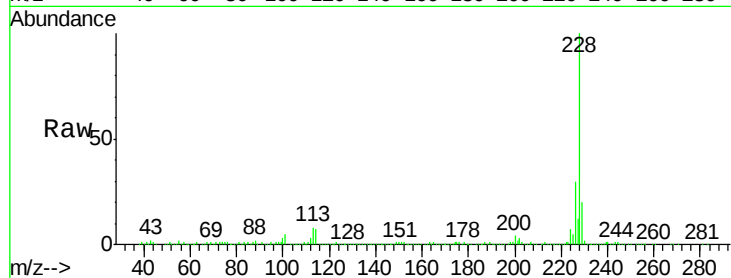
Tgt Ion:228 Resp: 371353

Ion Ratio Lower Upper

228 100

226 29.5 25.5 38.3

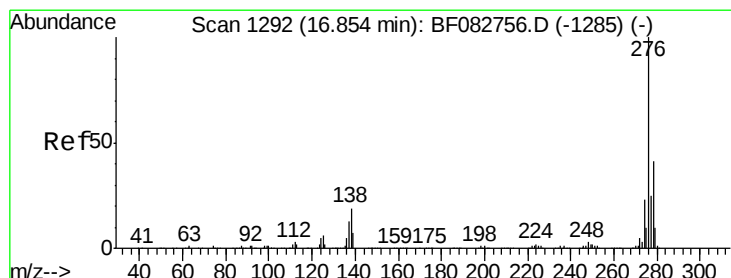
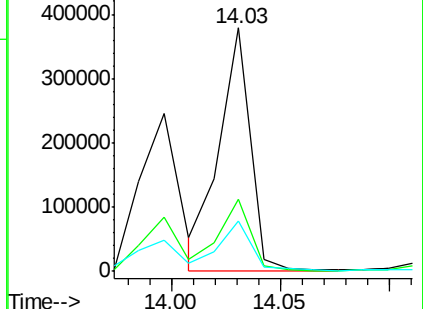
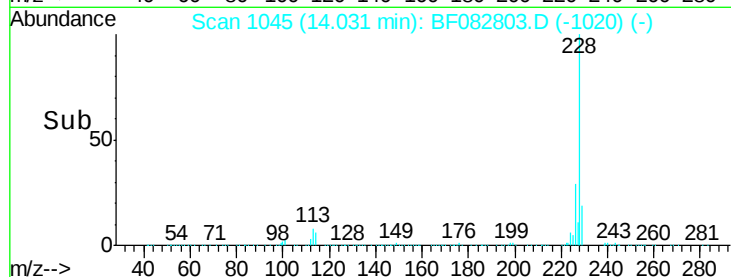
229 20.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.69 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

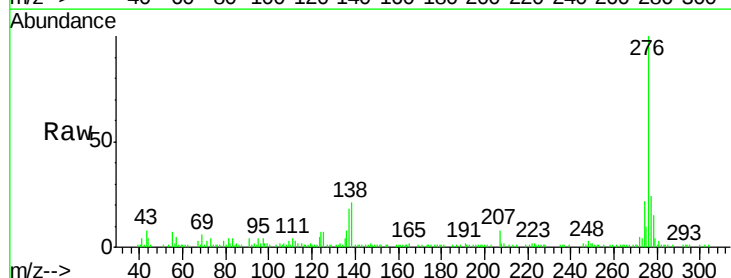
Tgt Ion:276 Resp: 118069

Ion Ratio Lower Upper

276 100

138 21.3 15.3 22.9

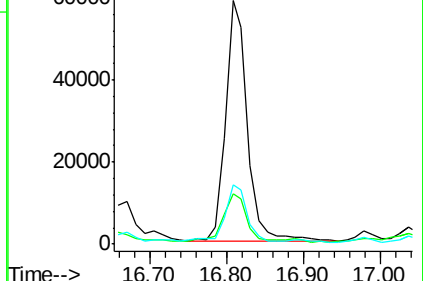
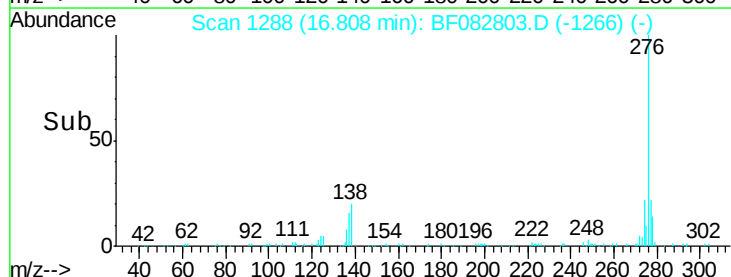
277 24.8 20.2 30.4

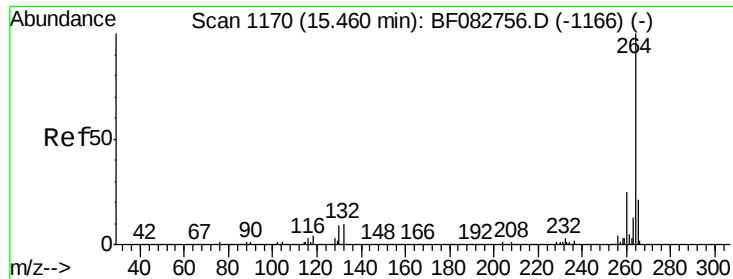


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

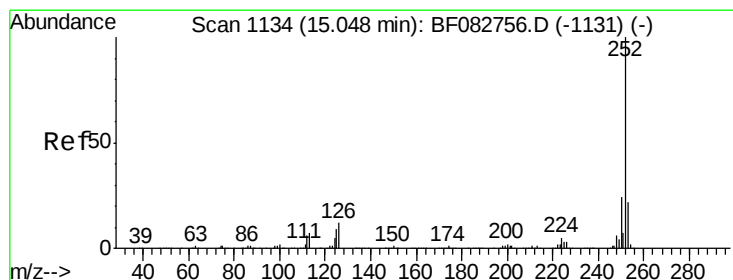
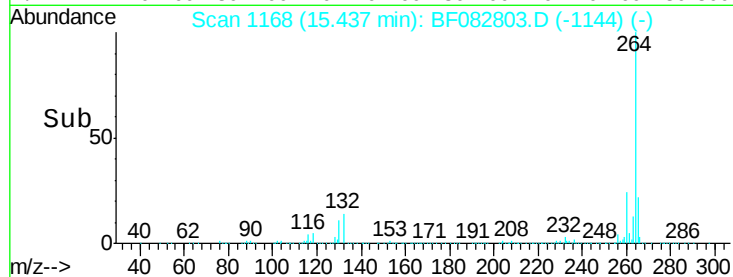
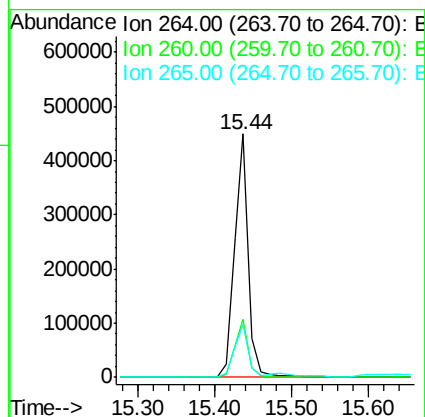
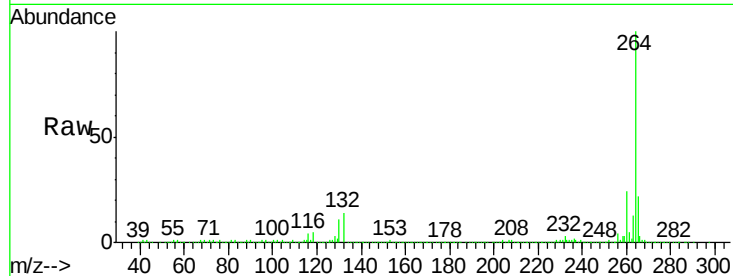




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

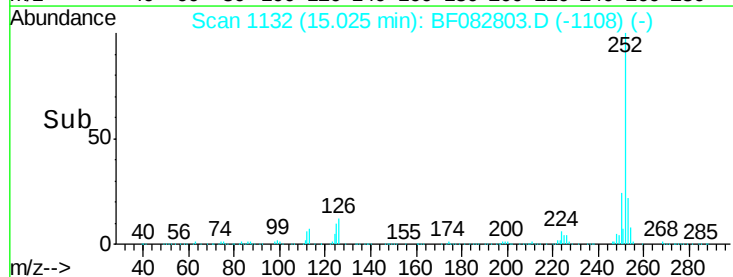
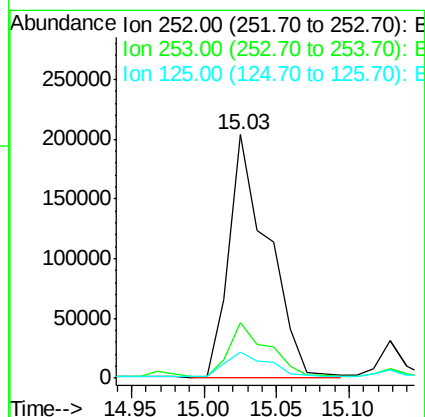
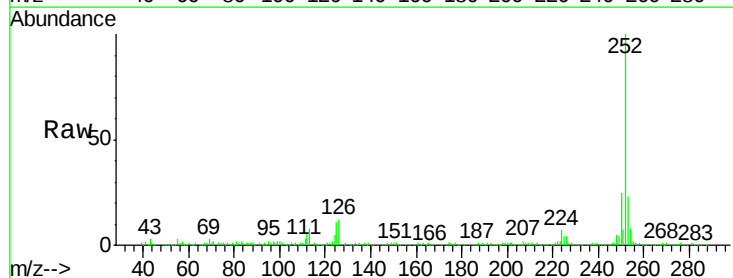
Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

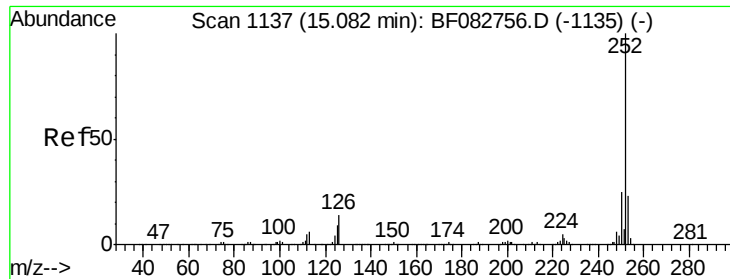
Tgt Ion:	264	Resp:	571007
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	21.7	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 10.33 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:	252	Resp:	378678
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	10.9	5.4	8.2#

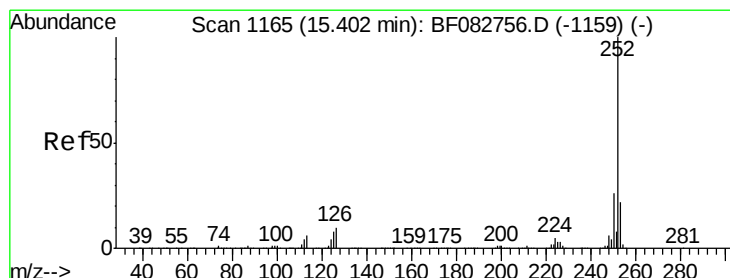
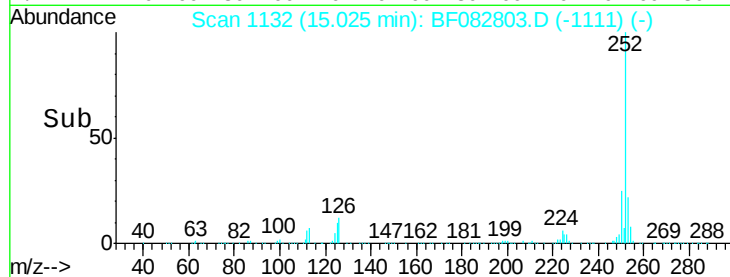
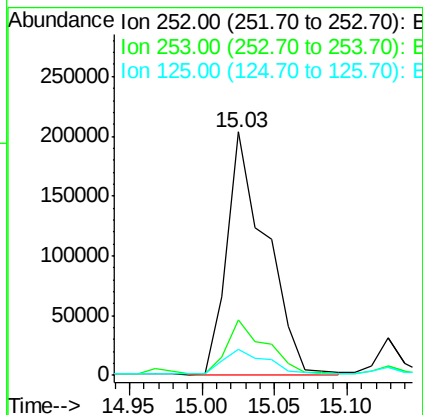
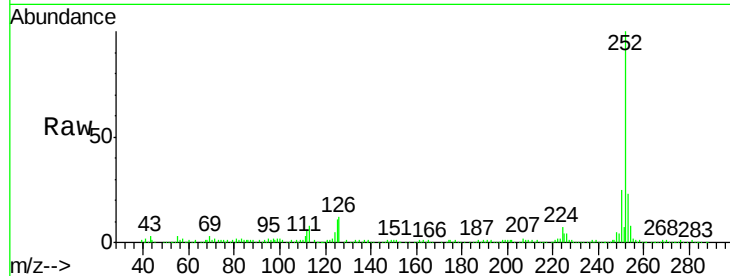




#88
Benzo(k)fluoranthene
Concen: 11.65 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

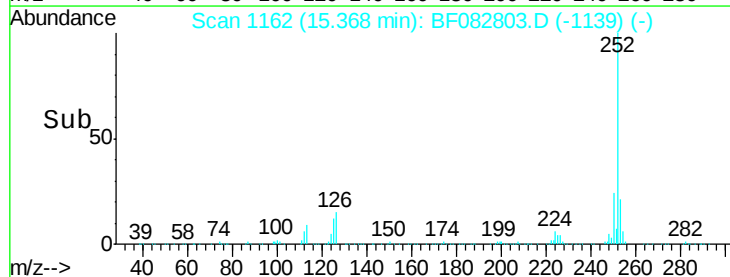
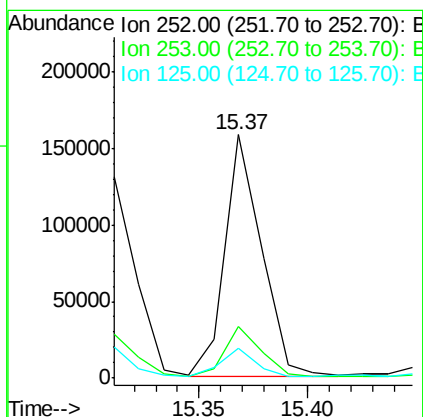
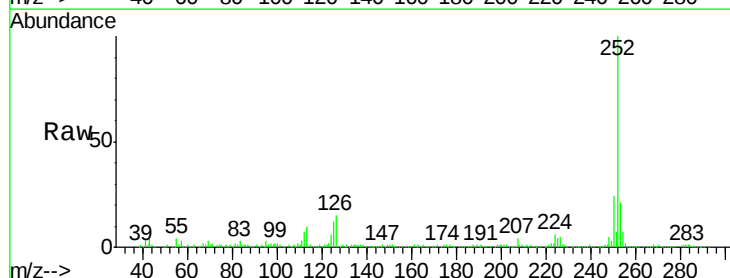
Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

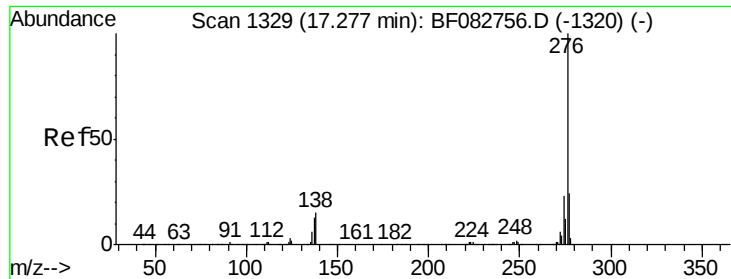
Tgt Ion:252 Resp: 378678
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 10.9 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 5.85 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.03 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:252 Resp: 185852
Ion Ratio Lower Upper
252 100
253 21.2 17.3 25.9
125 12.2 7.1 10.7#





#91
 Benzo(g,h,i)perylene
 Concen: 4.66 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.03 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.2	28.8
138	17.7	13.1	19.7

