

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082212.D
 Acq On : 11 Oct 2015 9:09
 Operator : UM/IZ
 Sample : G3933-01RE
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 03:07:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	96932	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	373775	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	156863	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	258077	20.00	ng	0.00
75) Chrysene-d12	14.01	240	253321	20.00	ng	0.00
86) Perylene-d12	15.45	264	204324	20.00	ng	0.01

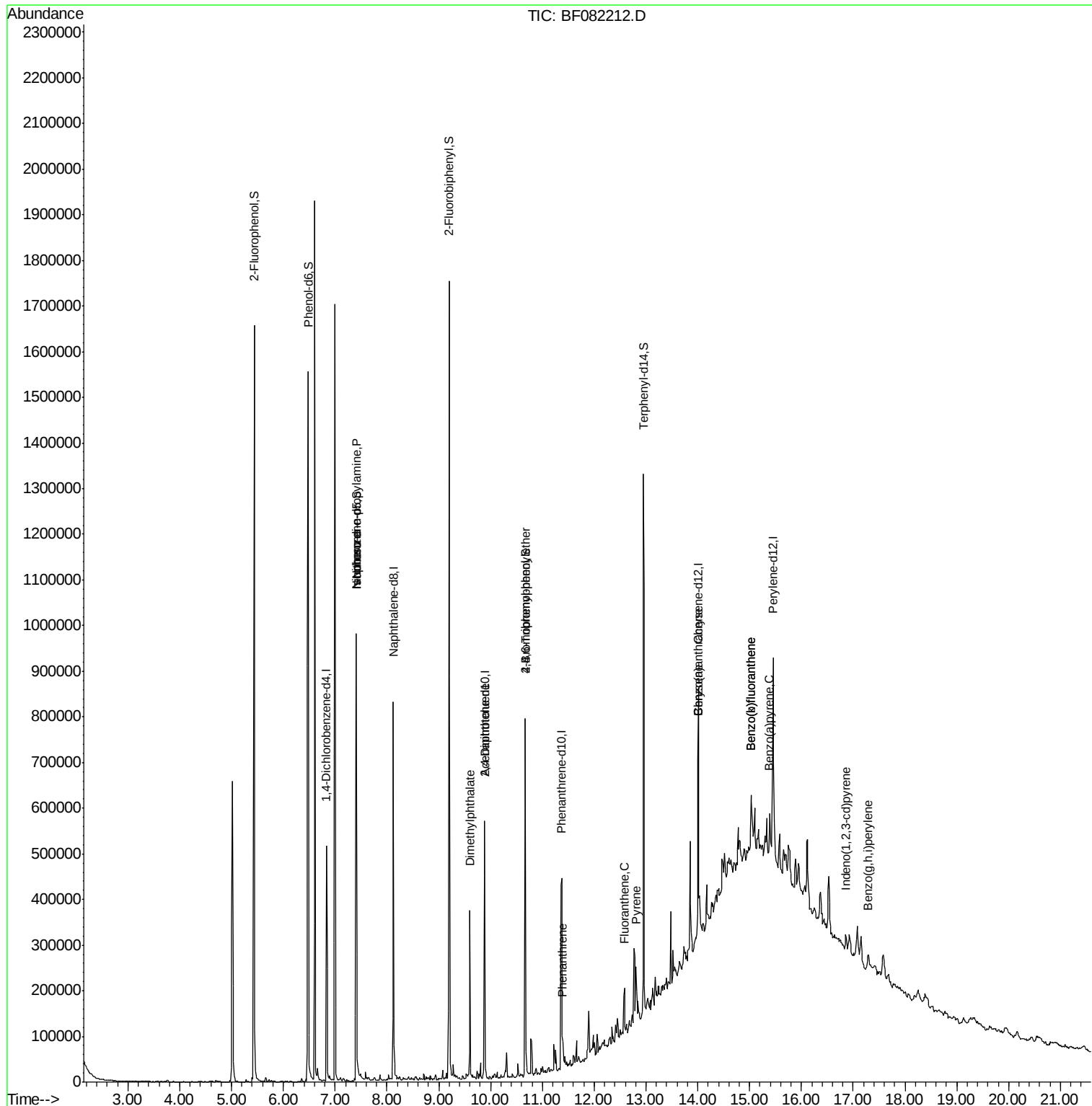
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	525998	109.52	ng	0.01
7) Phenol-d6	6.48	99	694454	111.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	374203	67.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	137393	93.40	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	702854	74.31	ng	-0.01
78) Terphenyl-d14	12.95	244	557750	58.34	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	48910	11.14	ng	# 81
25) Isophorone	7.41	82	327228	29.13	ng	# 66
49) Dimethylphthalate	9.60	163	143087	12.95	ng	99
55) 4-Nitrophenol	10.09	139	948	Below Cal		# 34
56) 2,4-Dinitrotoluene	9.89	165	20170	6.92	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	8948	3.46	ng	# 1
70) Phenanthrene	11.39	178	28537	2.26	ng	98
74) Fluoranthene	12.58	202	65612	4.83	ng	97
77) Pyrene	12.81	202	79498	5.29	ng	99
80) Benzo(a)anthracene	14.00	228	59626	4.52	ng	# 90
82) Chrysene	14.00	228	59626	4.29	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.86	276	26909	2.44	ng	96
87) Benzo(b)fluoranthene	15.03	252	79026	6.36	ng	# 82
88) Benzo(k)fluoranthene	15.03	252	79026	7.56	ng	# 80
89) Benzo(a)pyrene	15.38	252	45691	4.28	ng	# 79
91) Benzo(g,h,i)perylene	17.29	276	28975	3.41	ng	96

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

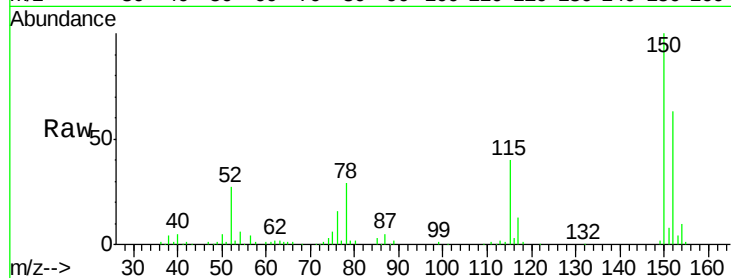
Tot Ion:152 Resp: 96932

Ion Ratio Lower Upper

152 100

150 159.9 129.0 193.4

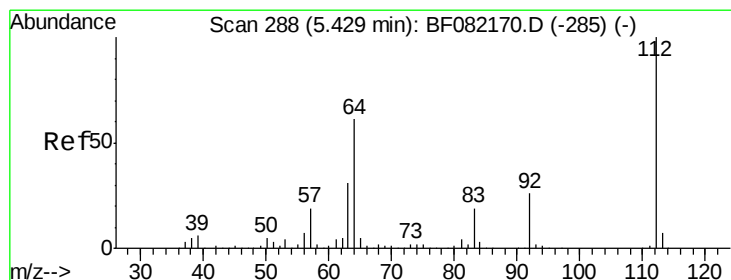
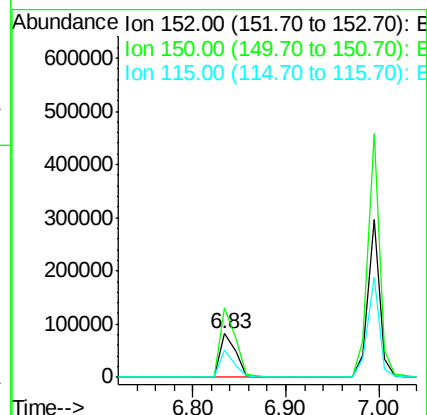
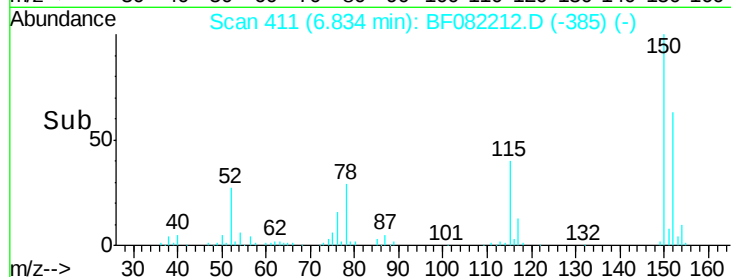
115 63.6 52.1 78.1



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: 109.52 ng

RT: 5.44 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

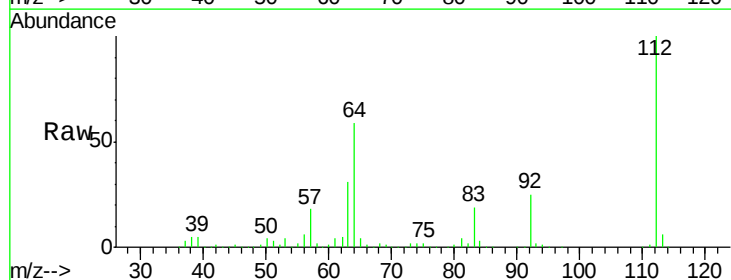
Tgt Ion:112 Resp: 525998

Ion Ratio Lower Upper

112 100

64 59.1 48.6 73.0

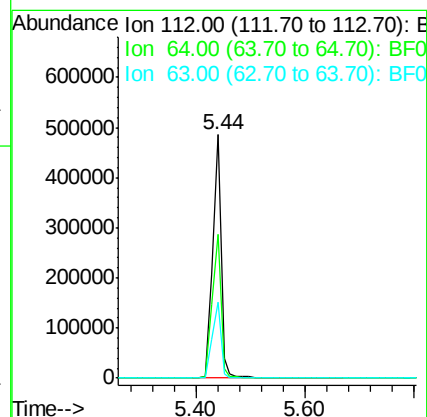
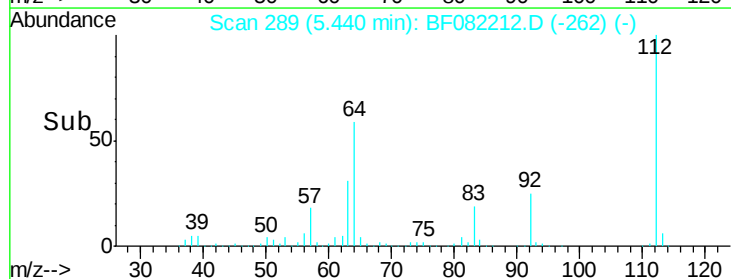
63 31.1 25.1 37.7

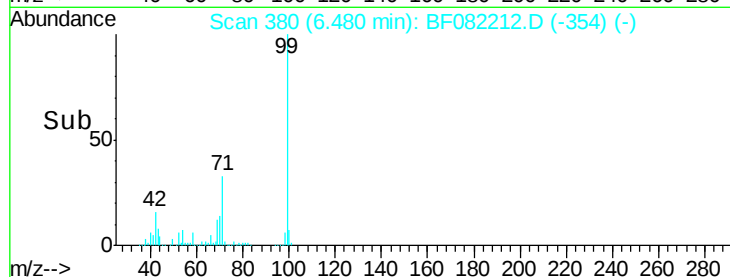
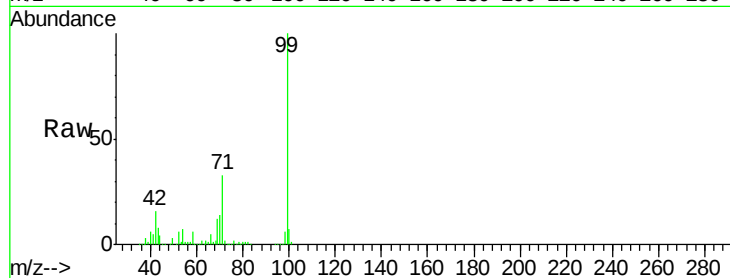
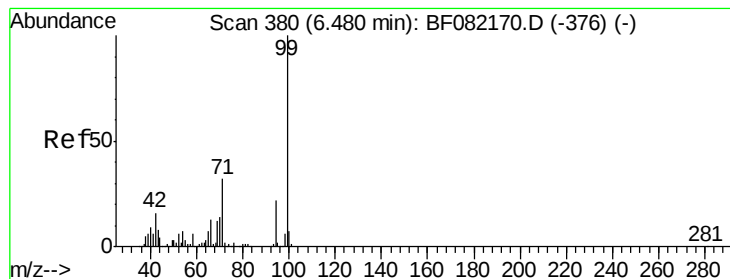


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.11 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

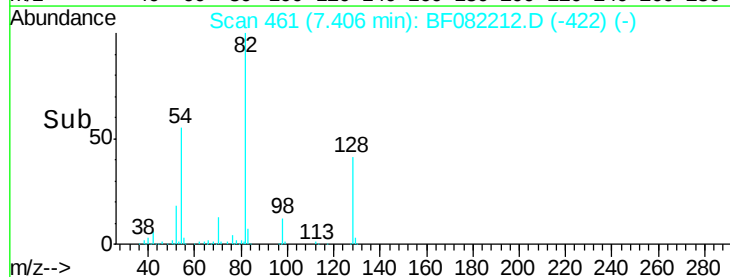
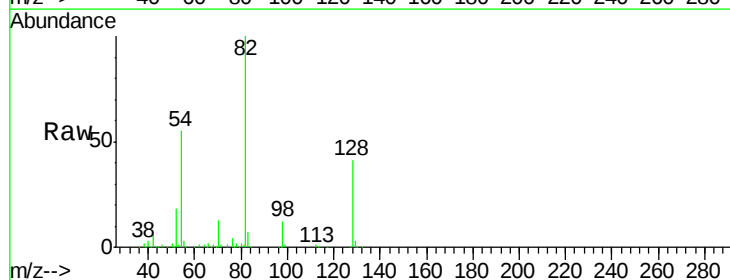
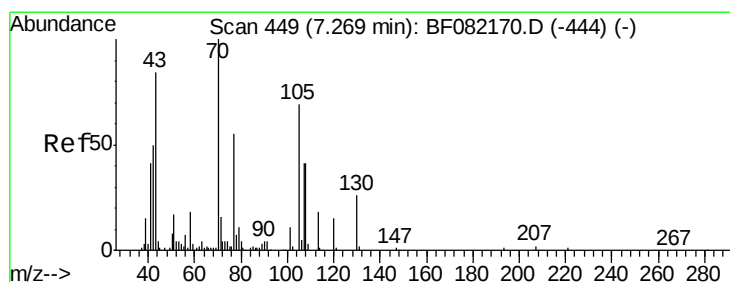
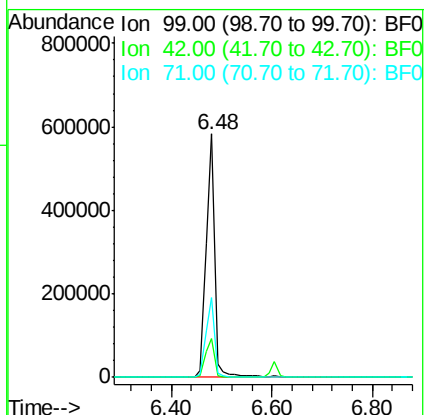
Tot Ion: 99 Resp: 694454

Ion Ratio Lower Upper

99 100

42 16.1 13.2 19.8

71 32.7 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.14 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Tgt Ion: 70 Resp: 48910

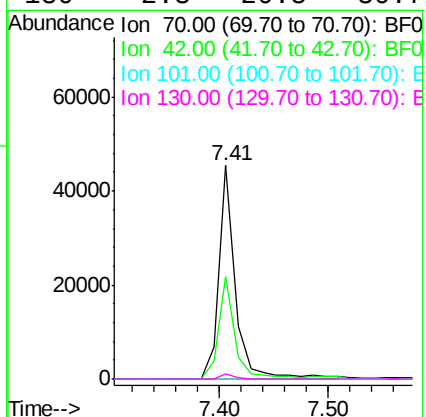
Ion Ratio Lower Upper

70 100

42 47.8 39.8 59.8

101 0.0 8.6 13.0#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 373775

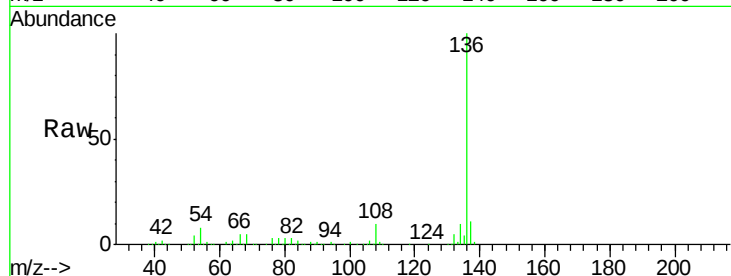
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.7 7.5 11.3

68 4.8 4.6 7.0

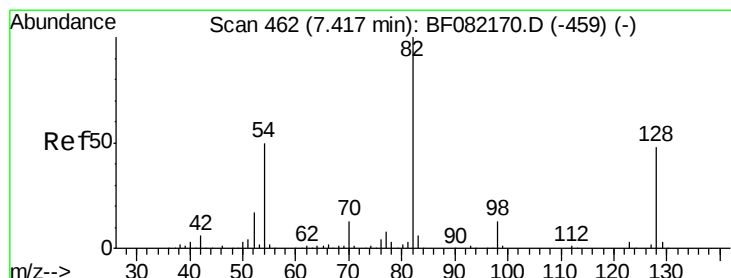
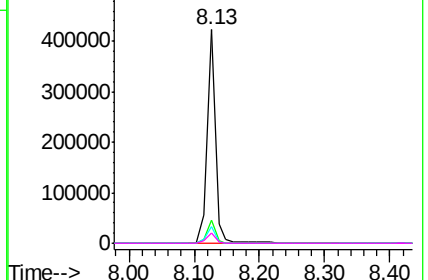
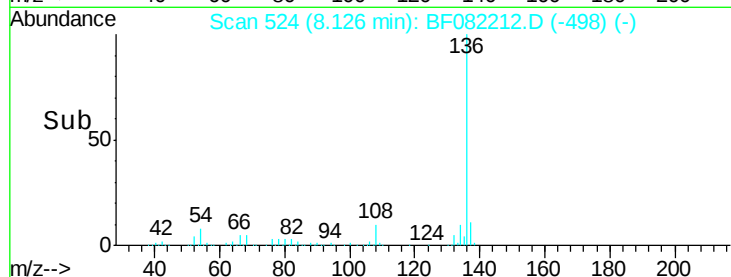


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.23 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

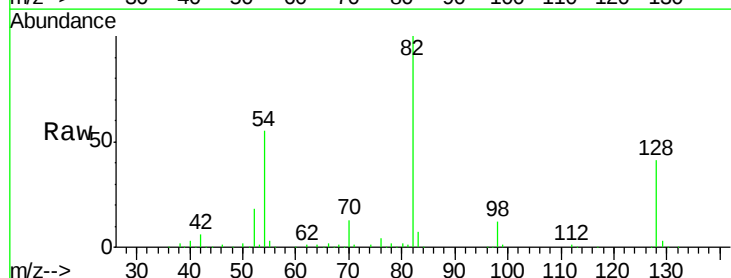
Tgt Ion: 82 Resp: 374203

Ion Ratio Lower Upper

82 100

128 40.8 38.7 58.1

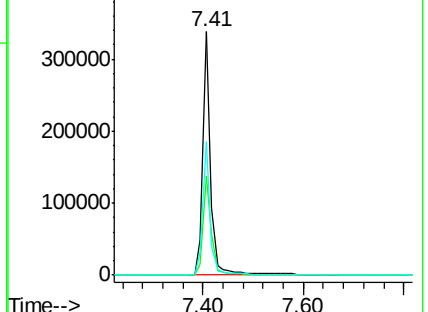
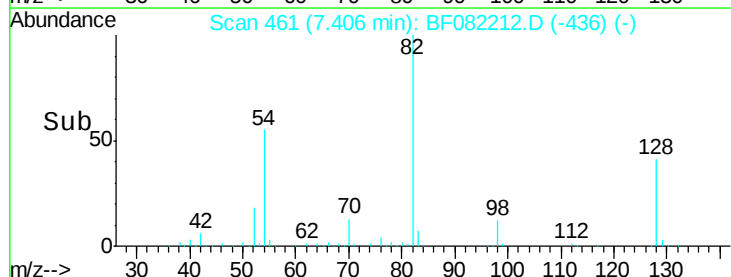
54 54.7 40.1 60.1



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: 29.13 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

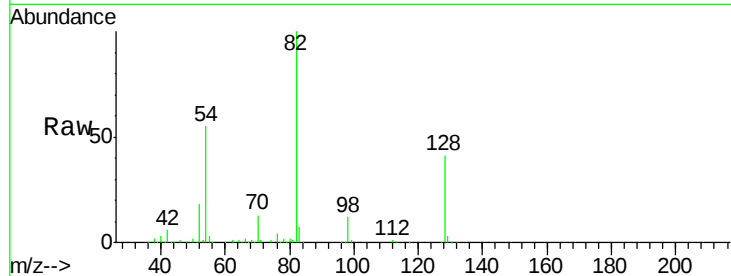
Tot Ion: 82 Resp: 327228

Ion Ratio Lower Upper

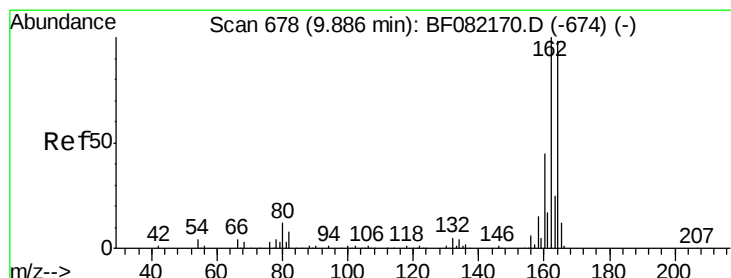
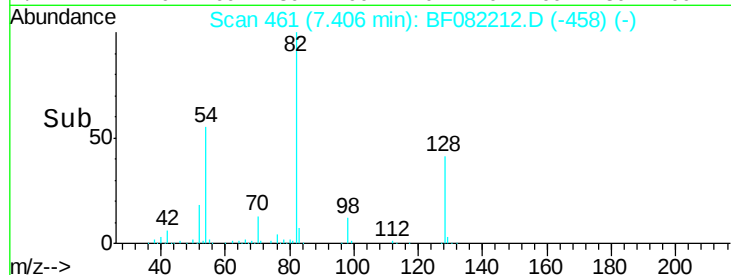
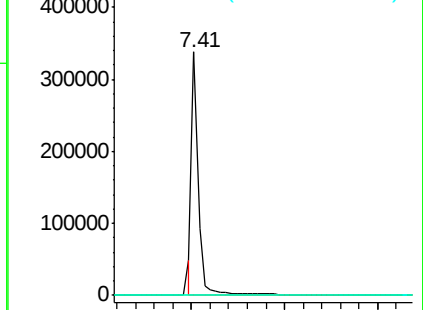
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



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: 9.89 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

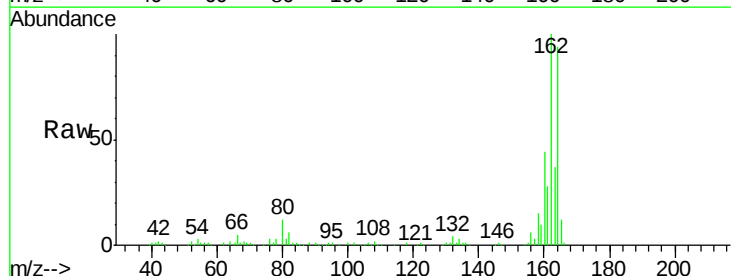
Tgt Ion:164 Resp: 156863

Ion Ratio Lower Upper

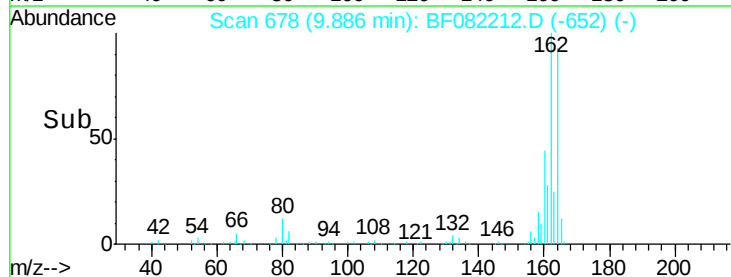
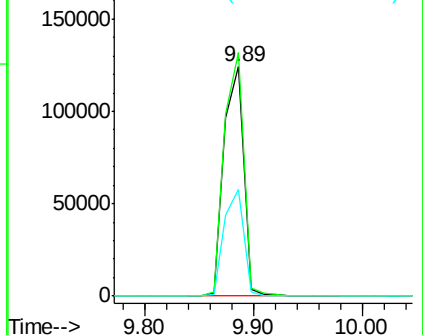
164 100

162 106.3 81.6 122.4

160 46.6 36.4 54.6



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

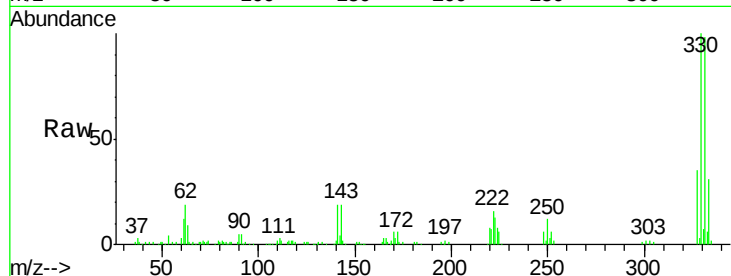




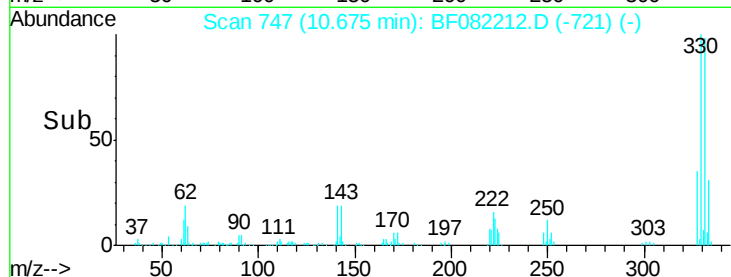
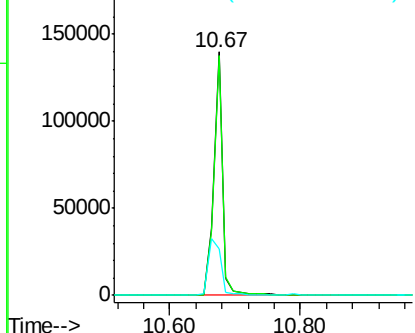
#41
 2,4,6-Tribromophenol
 Concen: 93.40 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	32.5	29.8	44.8

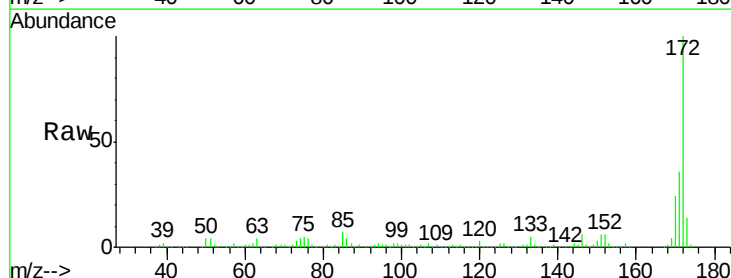


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

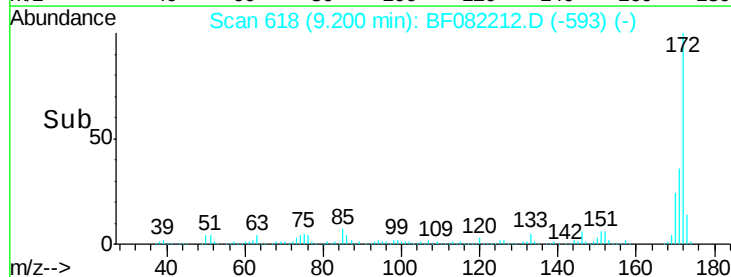
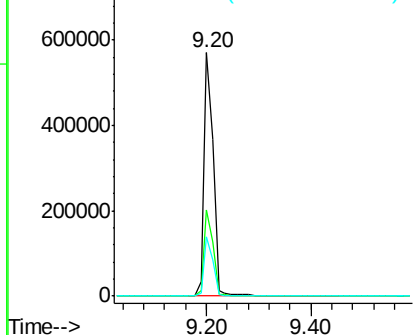


#44
 2-Fluorobiphenyl
 Concen: 74.31 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	24.4	19.7	29.5



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

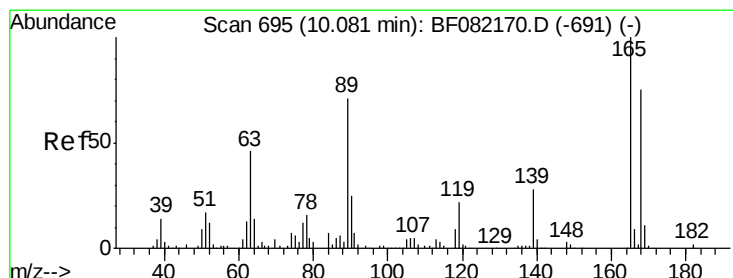
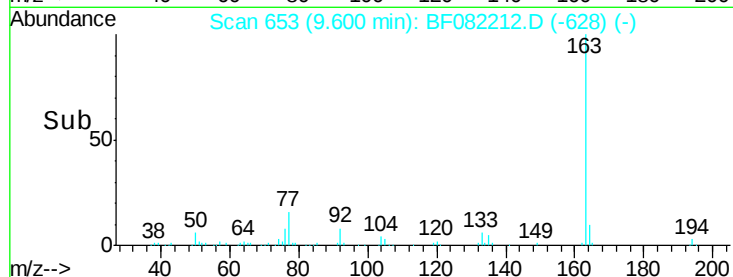
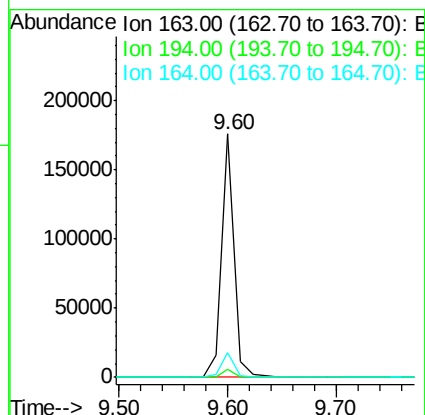
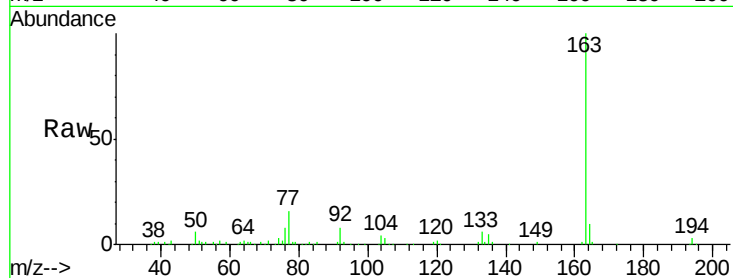




#49
Dimethylphthalate
Concen: 12.95 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

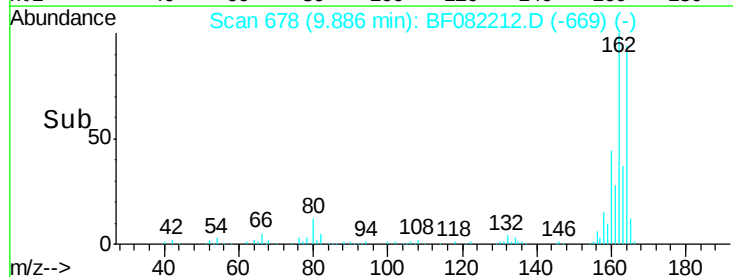
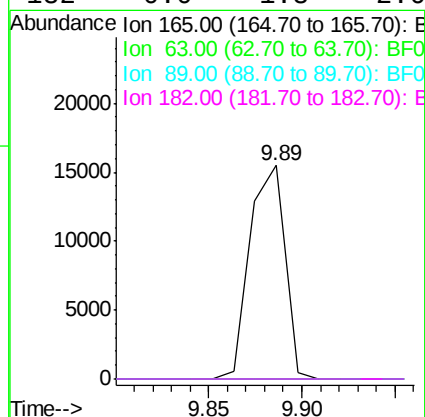
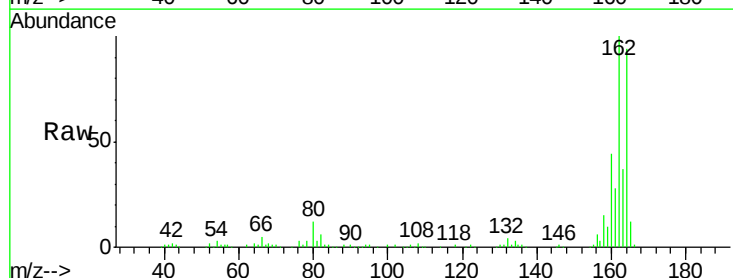
Instrument :
BNA_F
ClientSampleId :

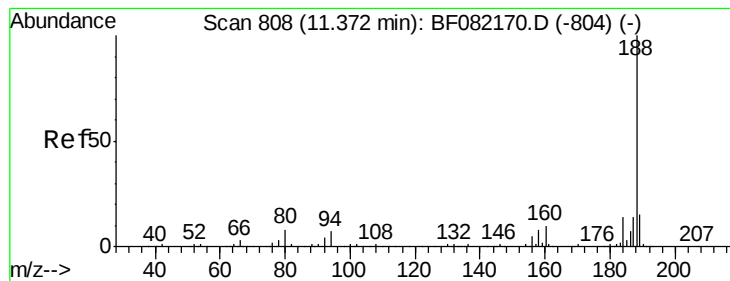
Tot Ion:163 Resp: 143087
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 6.92 ng
RT: 9.89 min Scan# 678
Delta R.T. -0.19 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:165 Resp: 20170
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 0.0 57.0 85.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampled :

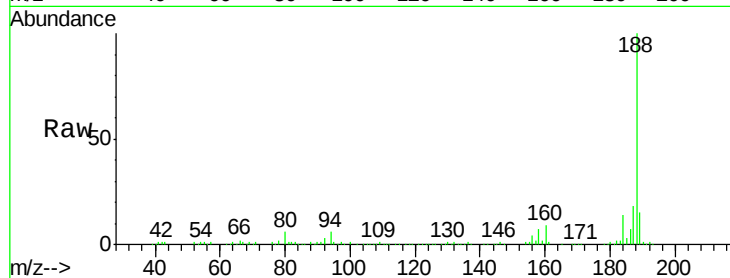
Tot Ion:188 Resp: 258077

Ion Ratio Lower Upper

188 100

94 5.6 5.8 8.6#

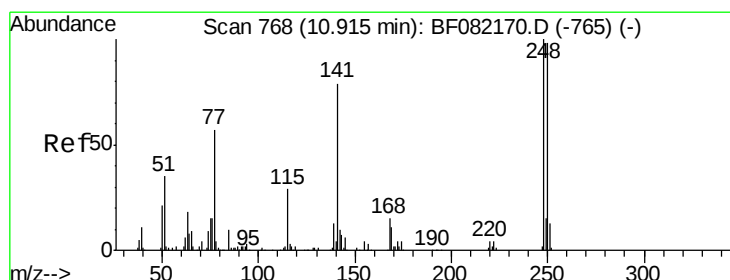
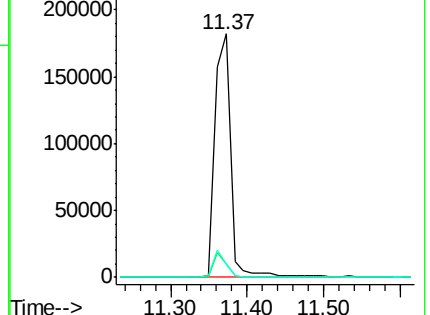
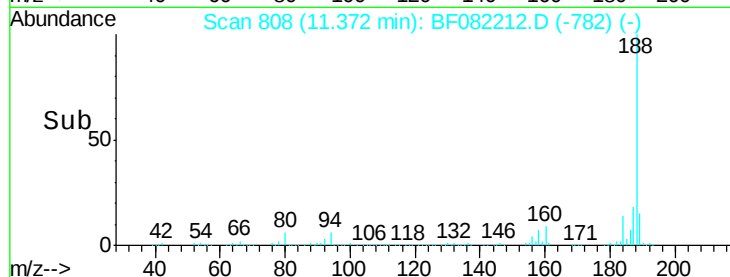
80 5.6 6.4 9.6#



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: 3.46 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

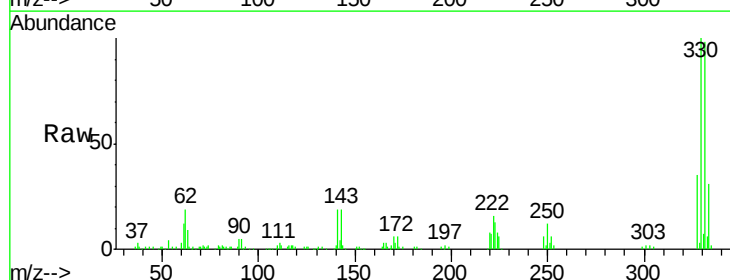
Tgt Ion:248 Resp: 8948

Ion Ratio Lower Upper

248 100

250 199.5 78.6 117.8#

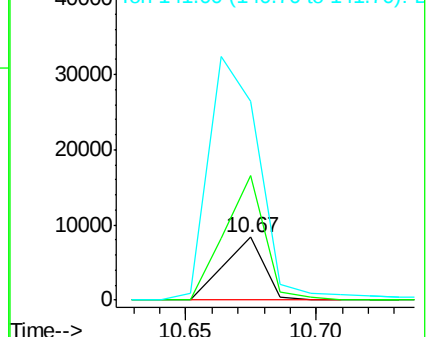
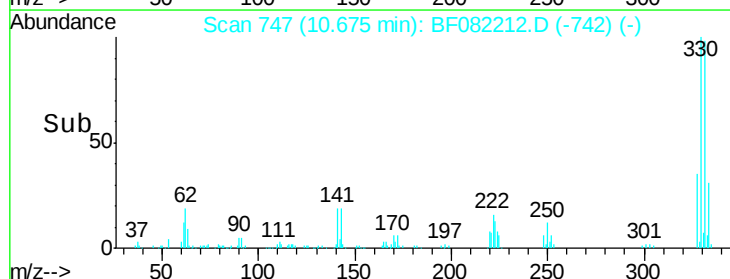
141 317.8 63.3 94.9#

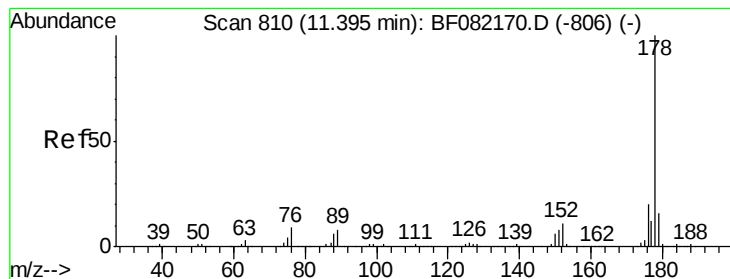


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.26 ng

RT: 11.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

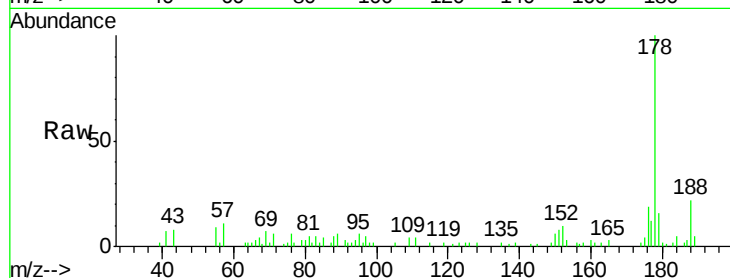
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 28537

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.0	24.0
179	15.9	12.6	19.0

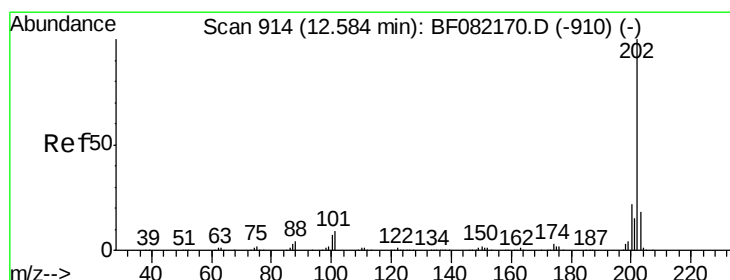
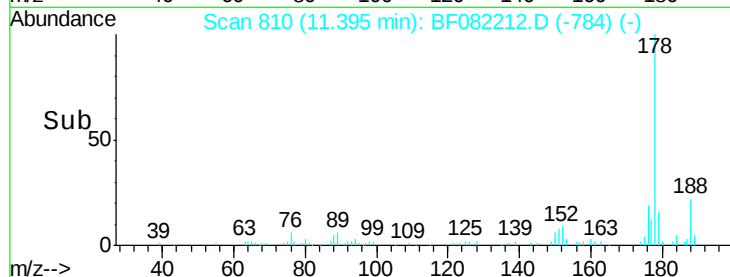
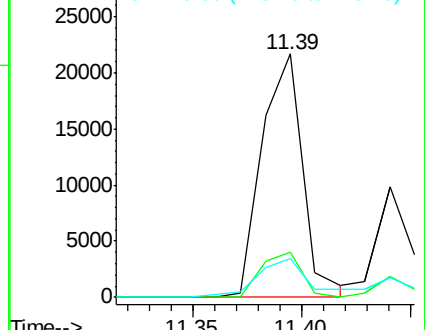


Abundance

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: 4.83 ng

RT: 12.58 min Scan# 914

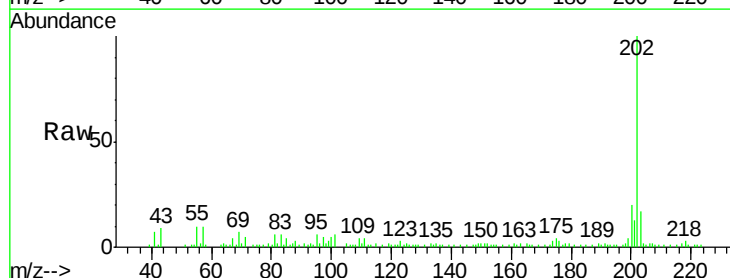
Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Tgt Ion:202 Resp: 65612

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	29.3
203	17.4	0.0	37.8

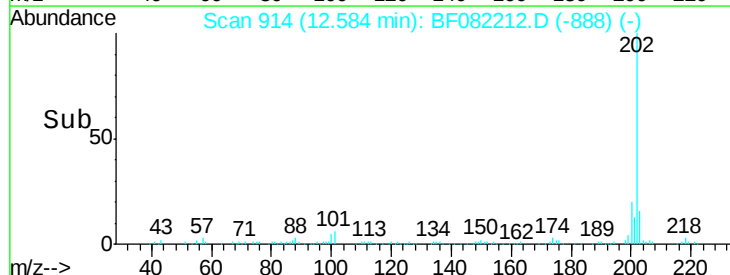
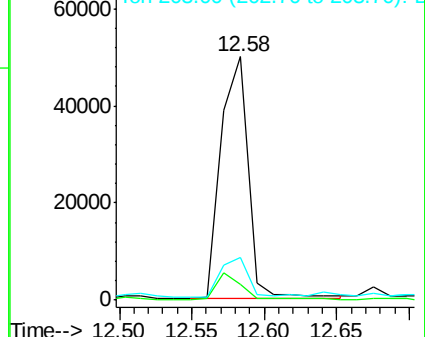


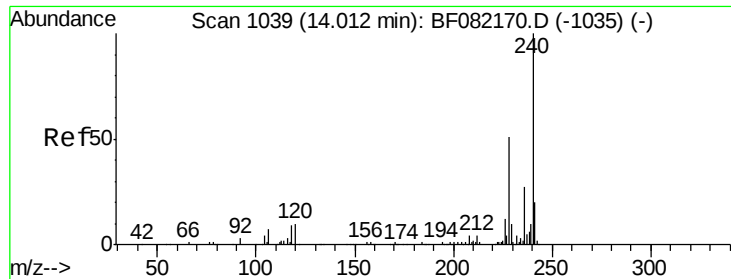
Abundance

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

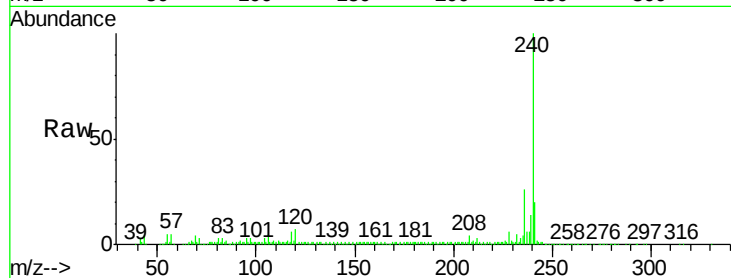




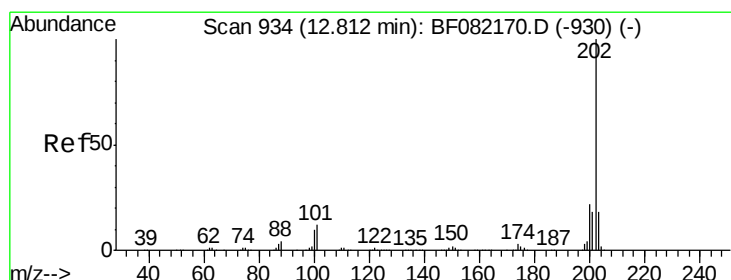
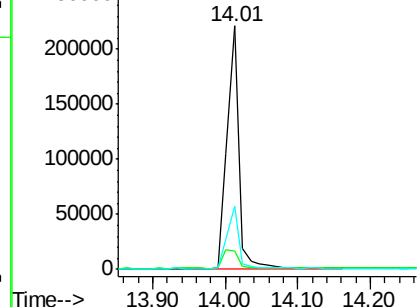
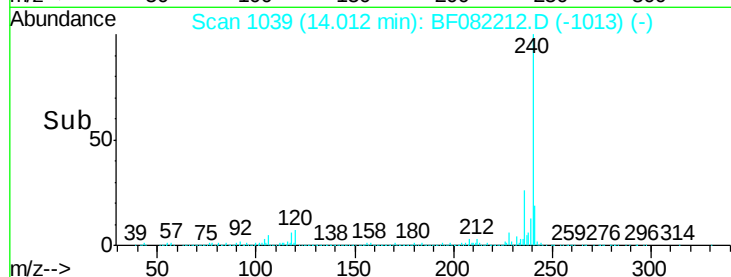
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 253321
Ion Ratio Lower Upper
240 100
120 7.3 8.1 12.1#
236 25.8 21.3 31.9

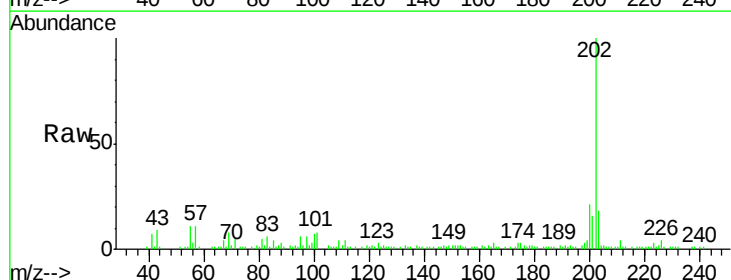


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

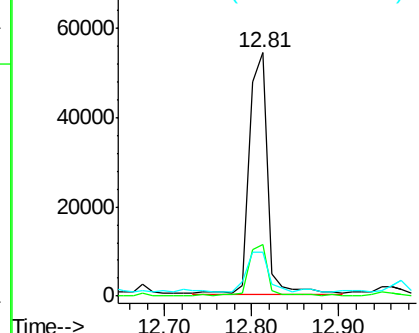
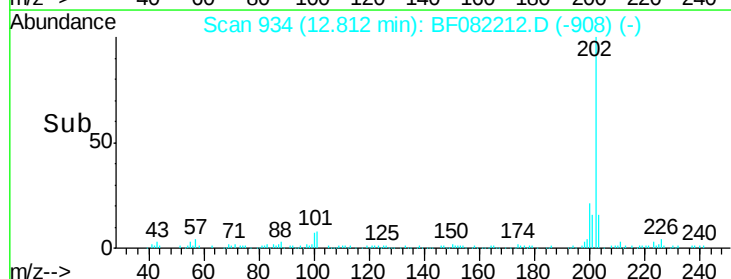


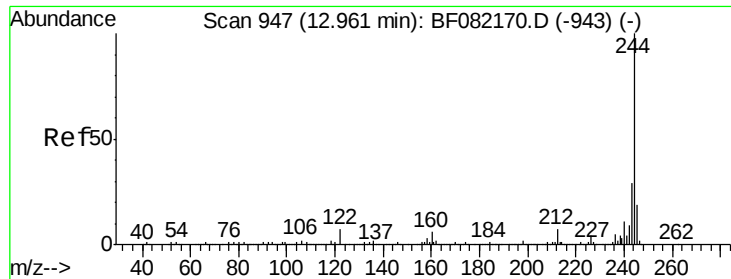
#77
Pyrene
Concen: 5.29 ng
RT: 12.81 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion:202 Resp: 79498
Ion Ratio Lower Upper
202 100
200 21.2 17.9 26.9
203 18.0 14.5 21.7



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: 58.34 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampled :

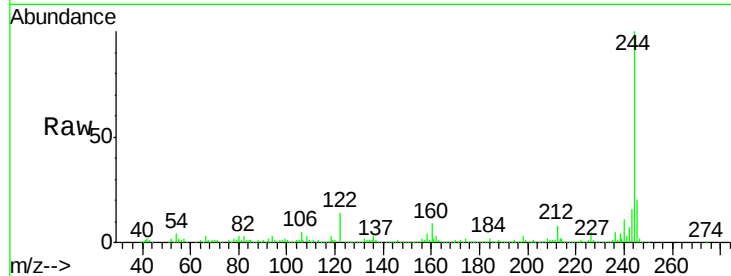
Tot Ion:244 Resp: 557750

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.6

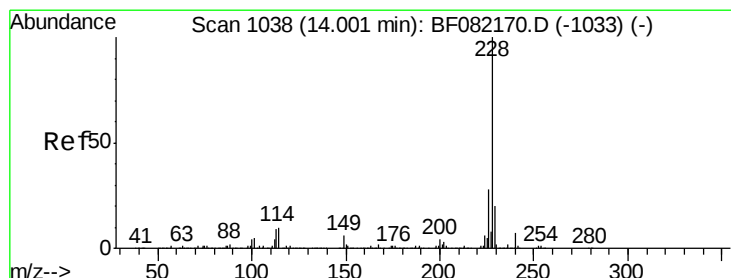
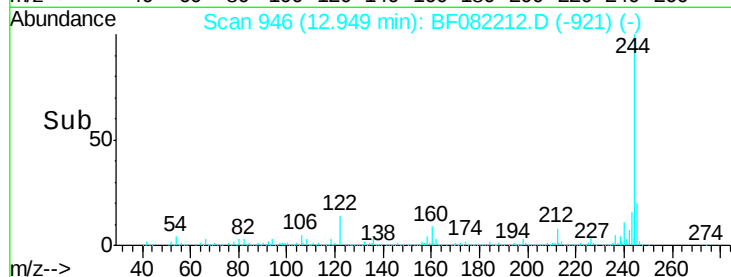
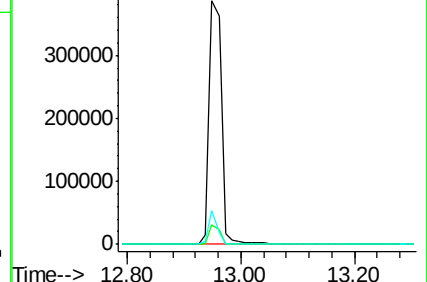
122 14.0 5.9 8.9#



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: 4.52 ng

RT: 14.00 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

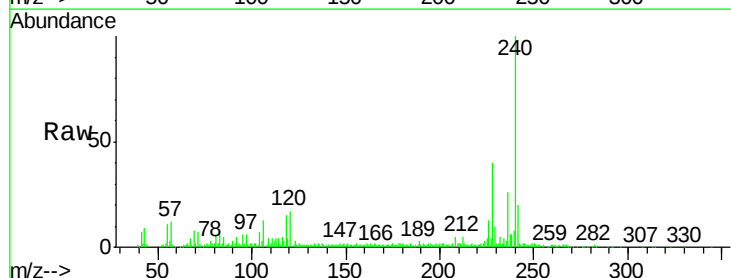
Tgt Ion:228 Resp: 59626

Ion Ratio Lower Upper

228 100

226 32.8 22.3 33.5

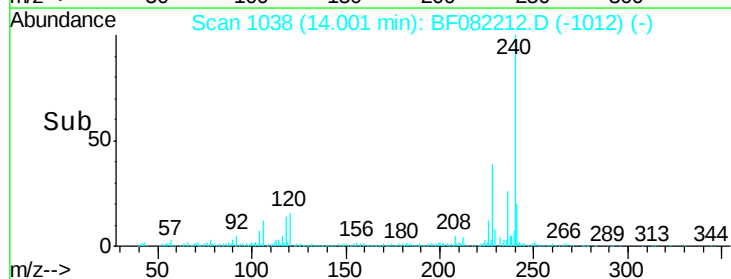
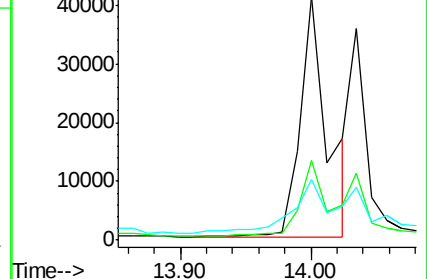
229 24.8 16.2 24.2#

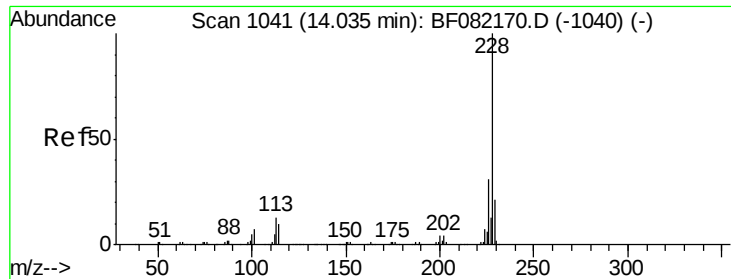


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

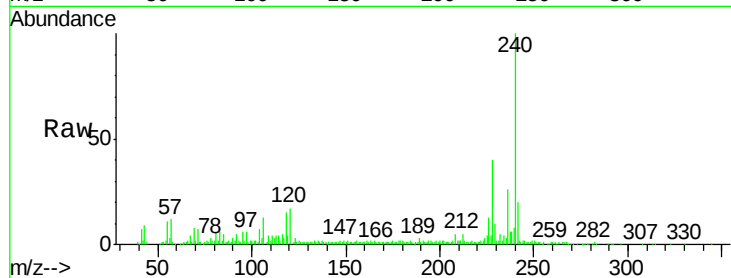




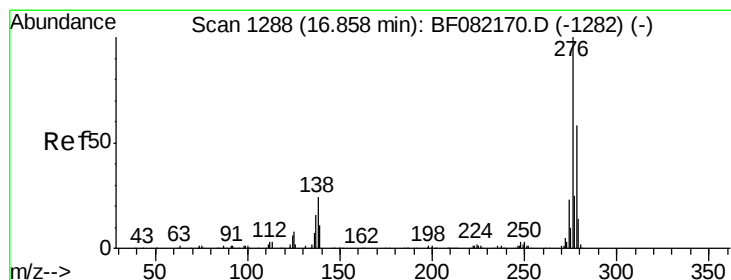
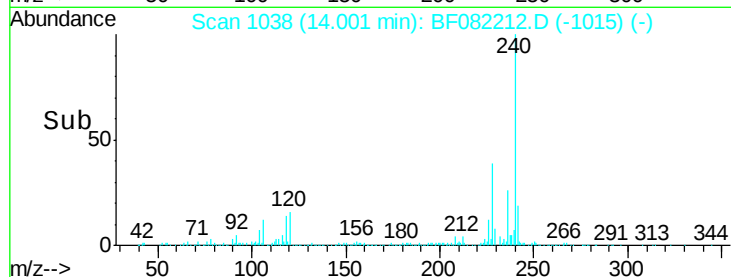
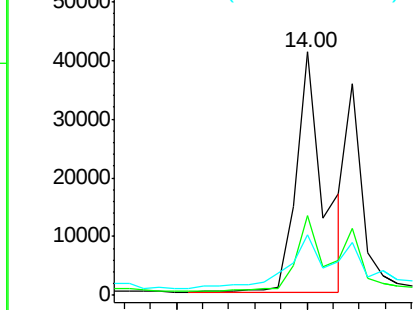
#82
 Chrysene
 Concen: 4.29 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 59626
 Ion Ratio Lower Upper
 228 100
 226 32.8 24.4 36.6
 229 24.8 16.3 24.5#

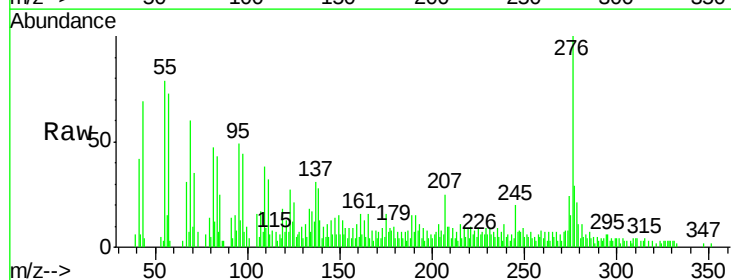


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

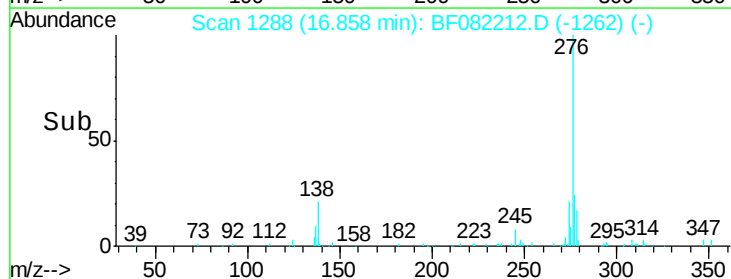
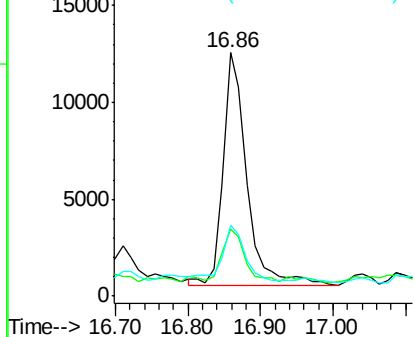


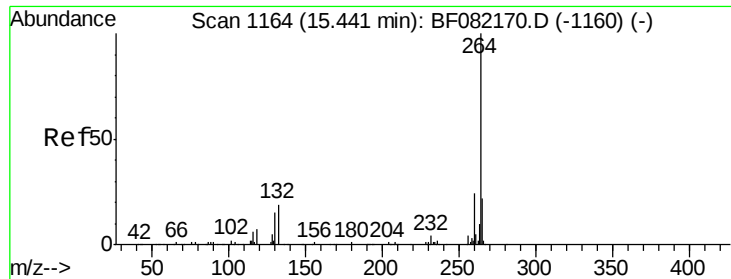
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.44 ng
 RT: 16.86 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Tgt Ion:276 Resp: 26909
 Ion Ratio Lower Upper
 276 100
 138 22.8 19.7 29.5
 277 23.0 20.1 30.1



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

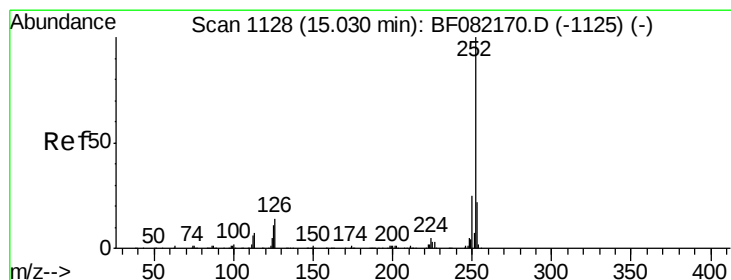
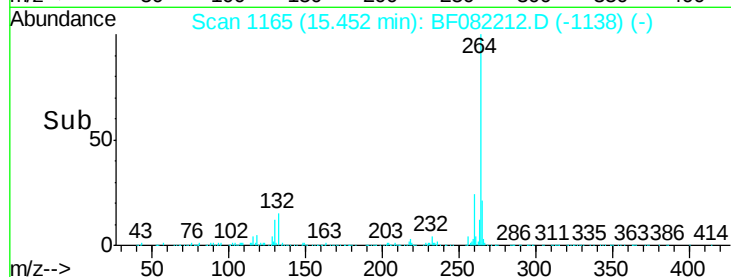
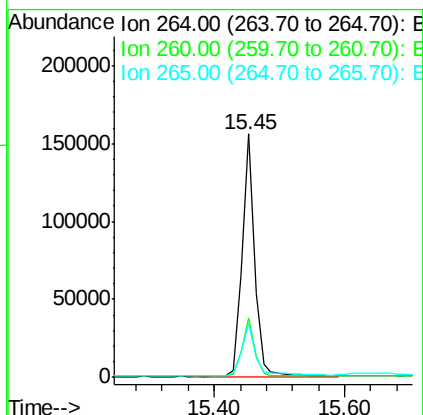
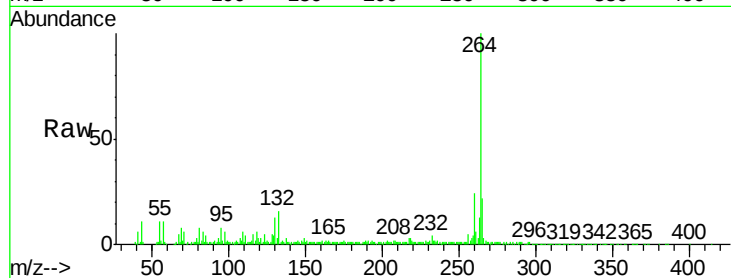




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

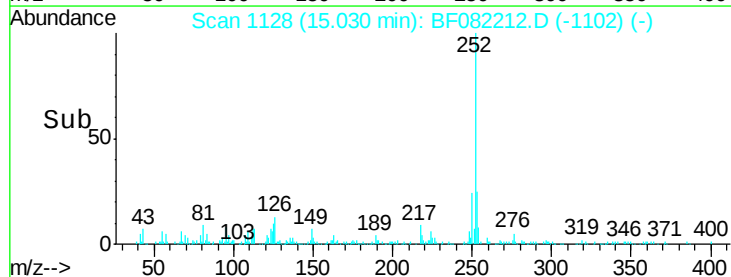
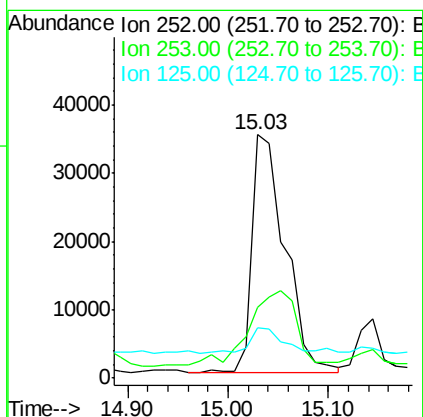
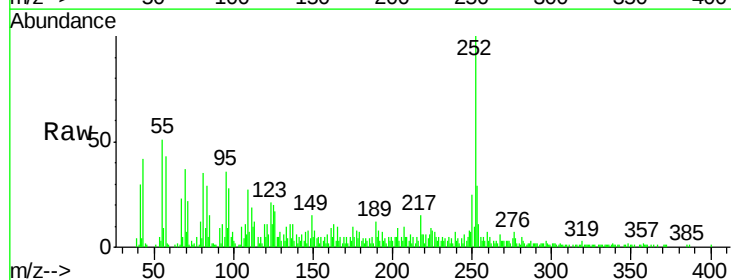
Instrument :
BNA_F
ClientSampleId :

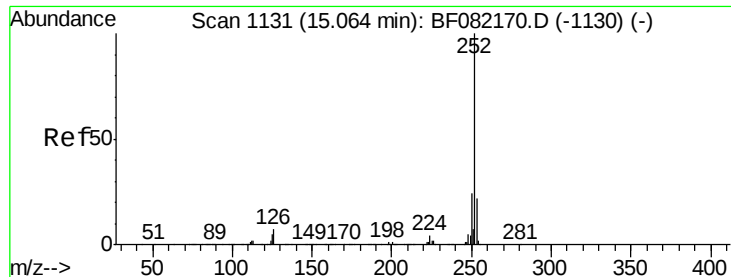
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.2	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 6.36 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082212.D
Acq: 11 Oct 2015 9:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.0	27.0#
125	20.5	8.6	12.8#





#88

Benzo(k)fluoranthene

Concen: 7.56 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

Instrument :

BNA_F

ClientSampleId :

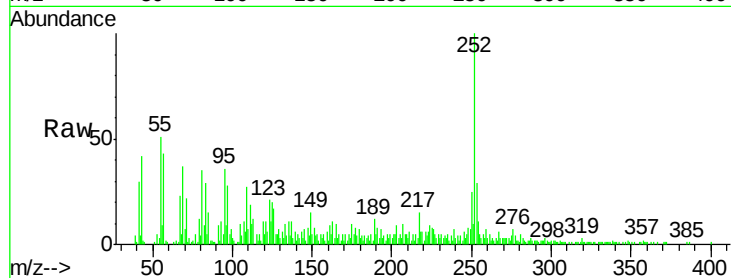
Tot Ion:252 Resp: 79026

Ion Ratio Lower Upper

252 100

253 29.2 17.8 26.6#

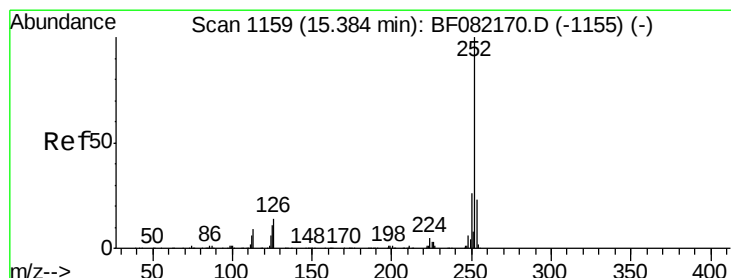
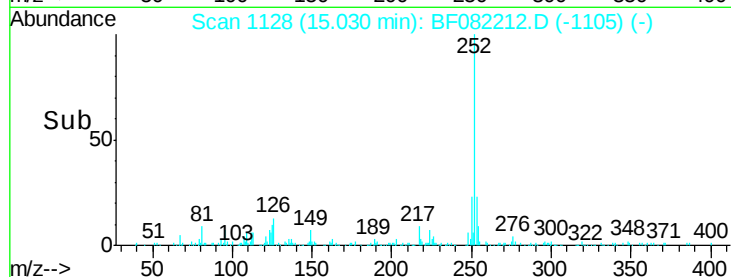
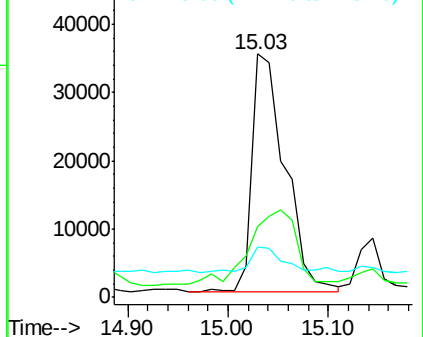
125 20.5 6.7 10.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 4.28 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082212.D

Acq: 11 Oct 2015 9:09

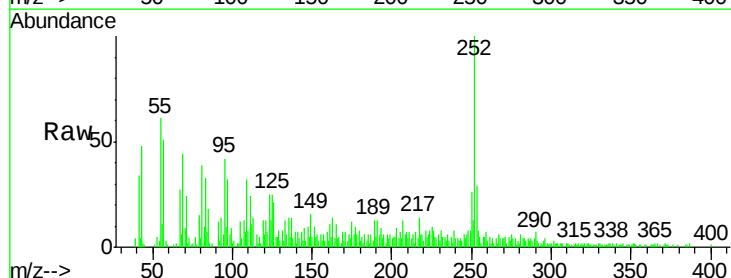
Tgt Ion:252 Resp: 45691

Ion Ratio Lower Upper

252 100

253 29.1 18.2 27.2#

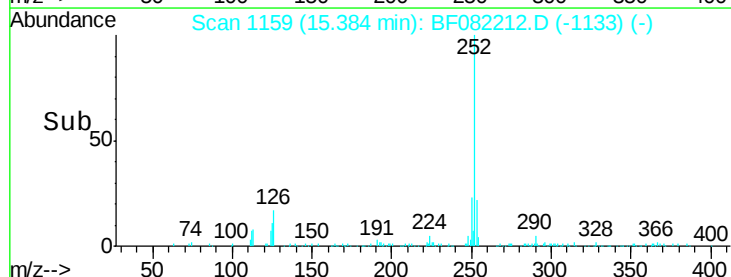
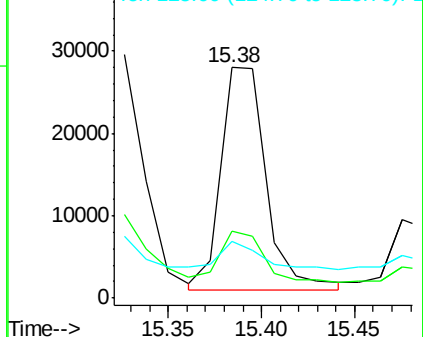
125 24.6 8.9 13.3#

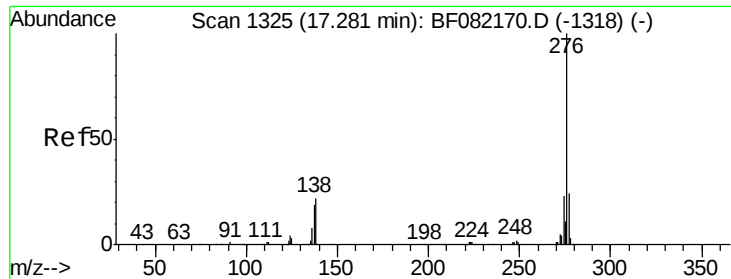


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

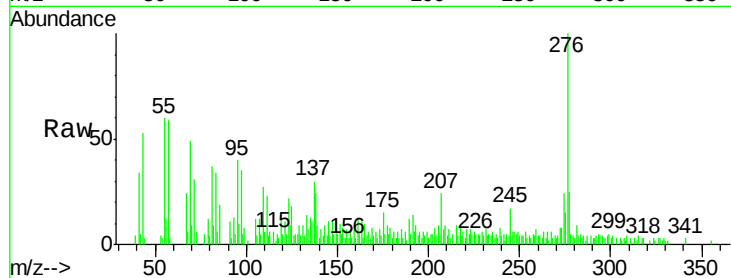




#91
 Benzo(a,h,i)perylene
 Concen: 3.41 ng
 RT: 17.29 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF082212.D
 Acq: 11 Oct 2015 9:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	23.5	17.4	26.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

