

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082213.D
 Acq On : 11 Oct 2015 9:38
 Operator : UM/IZ
 Sample : G3921-03RE
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

Quant Time: Oct 12 03:07:38 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	91078	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	360726	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	160833	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	276595	20.00	ng	0.00
75) Chrysene-d12	14.01	240	246288	20.00	ng	0.00
86) Perylene-d12	15.45	264	207093	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	480491	106.47	ng	0.01
7) Phenol-d6	6.48	99	656649	111.81	ng	0.00
23) Nitrobenzene-d5	7.41	82	366244	68.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	139769	92.67	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	583465	60.16	ng	-0.01
78) Terphenyl-d14	12.95	244	451371	48.57	ng	-0.01

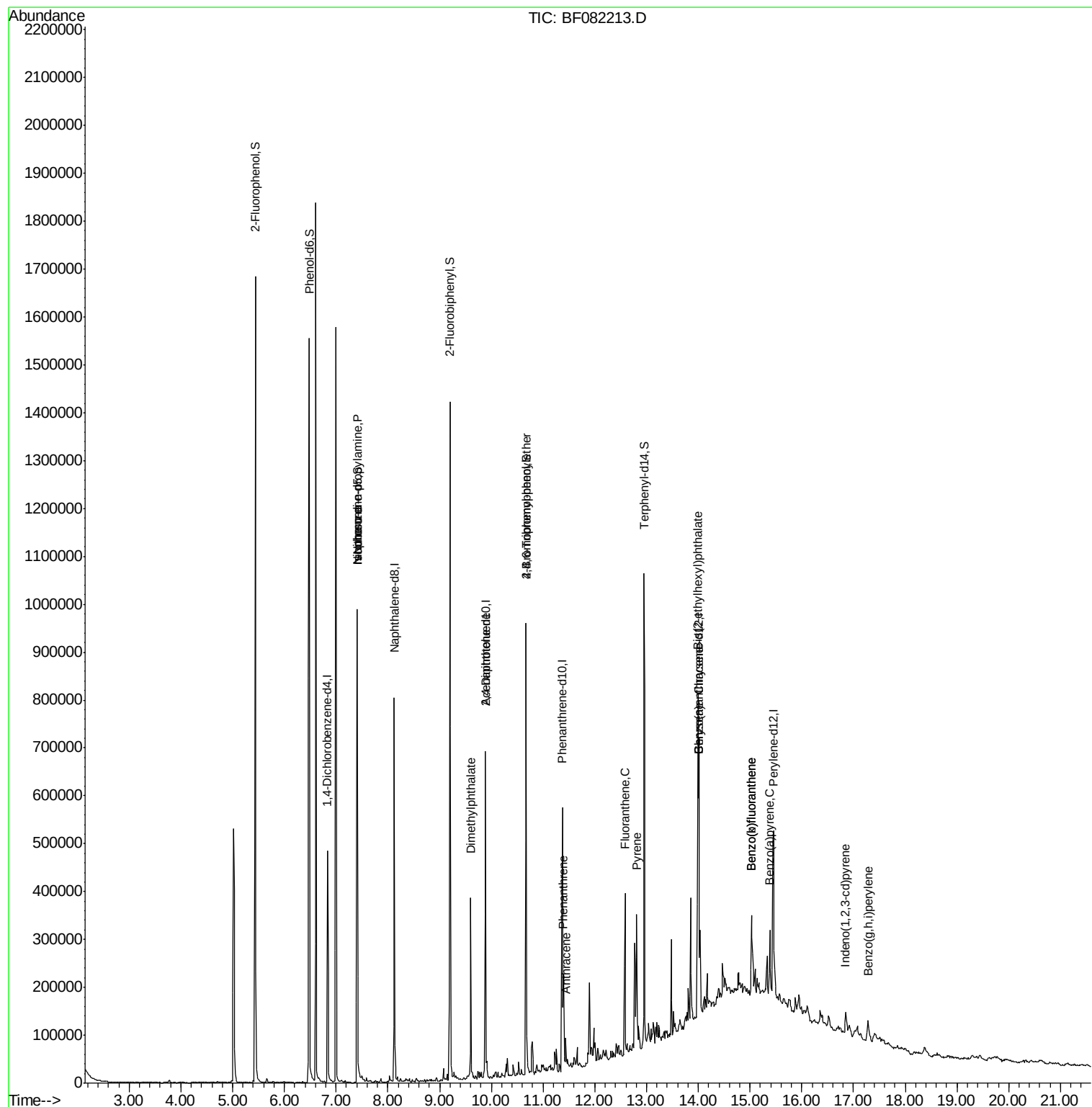
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	47901	11.61	ng	# 80
25) Isophorone	7.41	82	314710	29.03	ng	# 66
49) Dimethylphthalate	9.60	163	143706	12.69	ng	99
55) 4-Nitrophenol	10.09	139	1684	Below Cal		# 32
56) 2,4-Dinitrotoluene	9.89	165	20849	6.98	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	9469	3.42	ng	# 1
70) Phenanthrene	11.39	178	93739	6.91	ng	98
71) Anthracene	11.44	178	32194	2.30	ng	99
74) Fluoranthene	12.58	202	177012	12.16	ng	97
77) Pyrene	12.81	202	157097	10.75	ng	96
80) Benzo(a)anthracene	14.00	228	99379	7.76	ng	98
82) Chrysene	14.00	228	99457	7.37	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	195381	20.53	ng	100
85) Indeno(1,2,3-cd)pyrene	16.85	276	38311	3.57	ng	97
87) Benzo(b)fluoranthene	15.03	252	125076	9.93	ng	96
88) Benzo(k)fluoranthene	15.03	252	125076	11.81	ng	# 94
89) Benzo(a)pyrene	15.38	252	67119	6.20	ng	99
91) Benzo(g,h,i)perylene	17.28	276	35711	4.14	ng	95

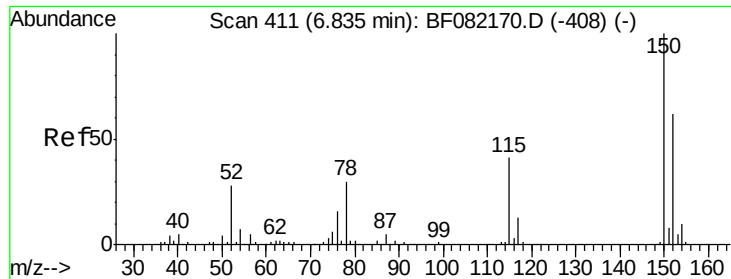
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

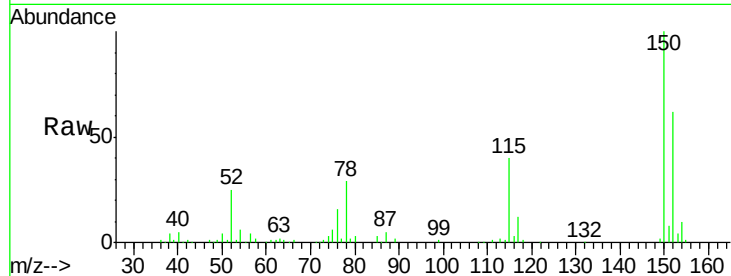
Tot Ion:152 Resp: 91078

Ion Ratio Lower Upper

152 100

150 162.2 129.0 193.4

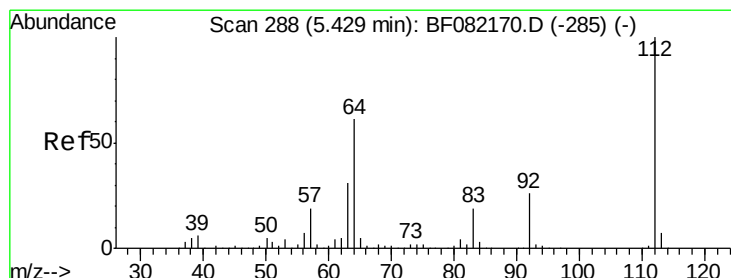
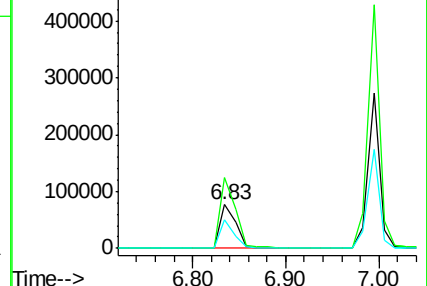
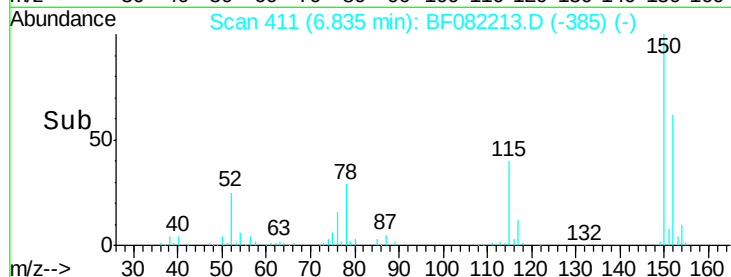
115 64.9 52.1 78.1



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: 106.47 ng

RT: 5.44 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

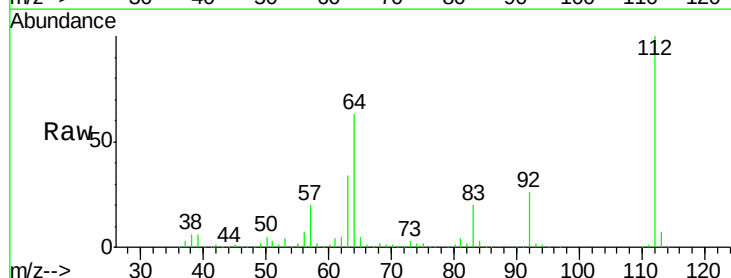
Tgt Ion:112 Resp: 480491

Ion Ratio Lower Upper

112 100

64 63.4 48.6 73.0

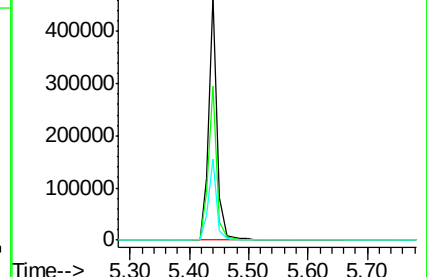
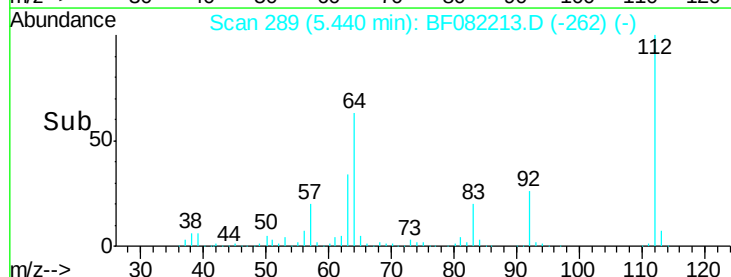
63 33.5 25.1 37.7

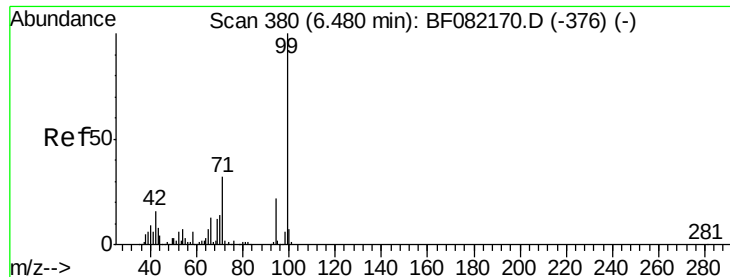


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.81 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

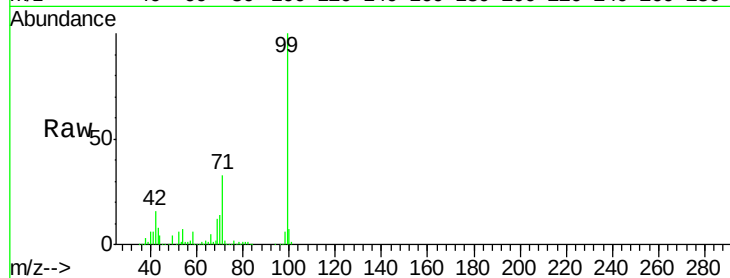
Tot Ion: 99 Resp: 656649

Ion Ratio Lower Upper

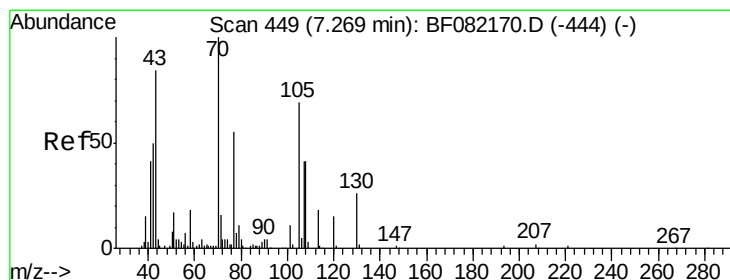
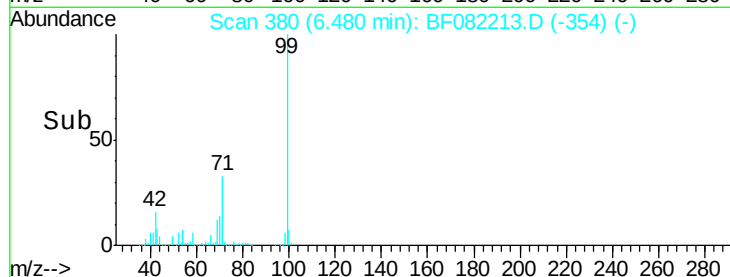
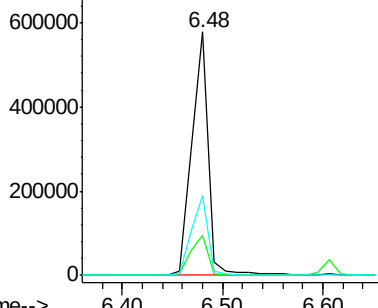
99 100

42 16.3 13.2 19.8

71 32.9 25.6 38.4



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: 11.61 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Tgt Ion: 70 Resp: 47901

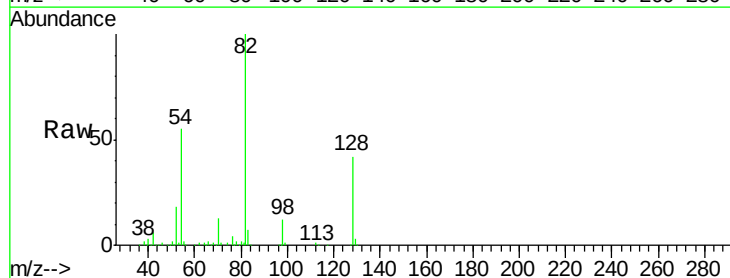
Ion Ratio Lower Upper

70 100

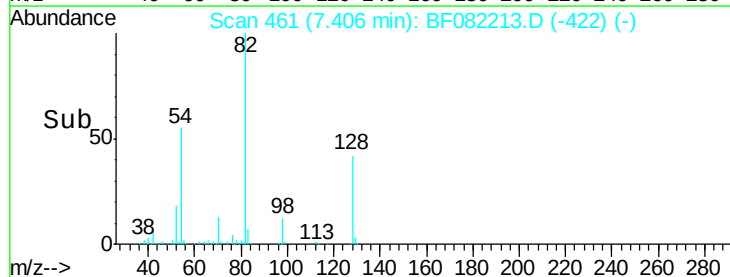
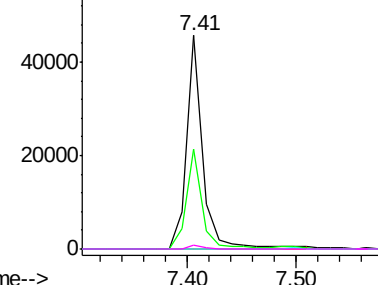
42 46.7 39.8 59.8

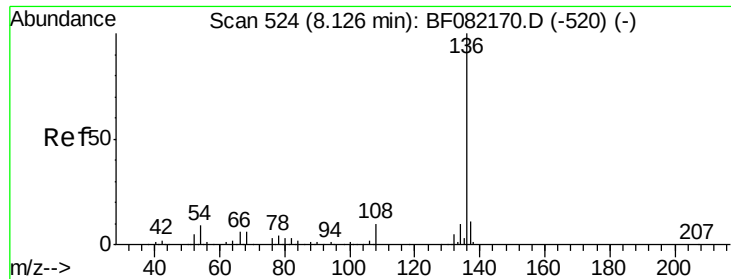
101 0.0 8.6 13.0#

130 2.0 20.5 30.7#



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# 524

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

Tot Ion:136 Resp: 360726

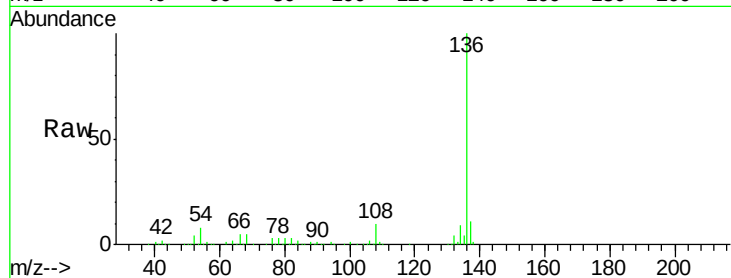
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 8.1 7.5 11.3

68 5.2 4.6 7.0

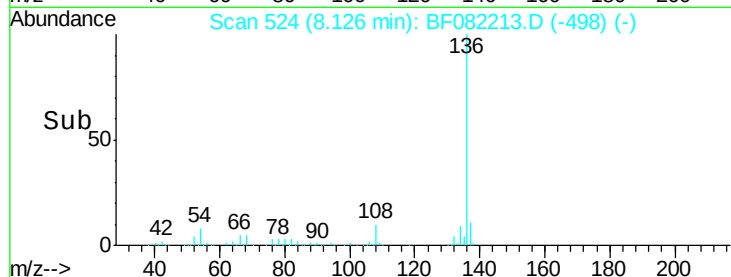


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

8.13

400000

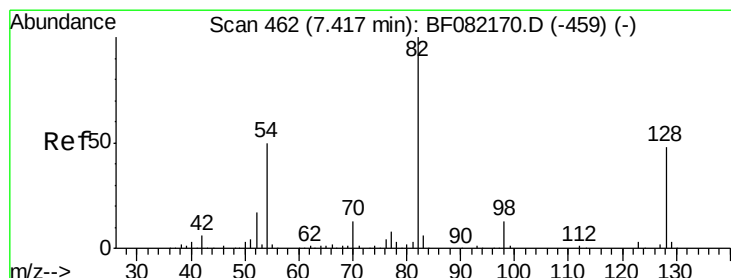
300000

200000

100000

0

8.00 8.20 8.40



#23

Nitrobenzene-d5

Concen: 68.18 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

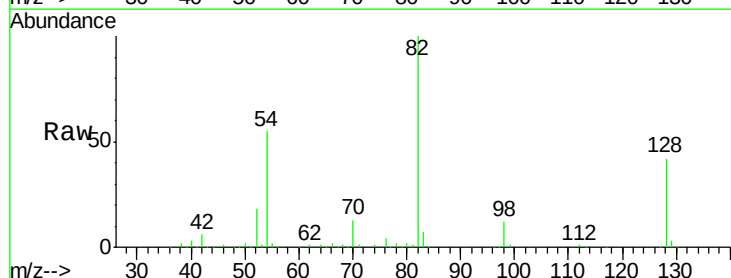
Tgt Ion: 82 Resp: 366244

Ion Ratio Lower Upper

82 100

128 42.1 38.7 58.1

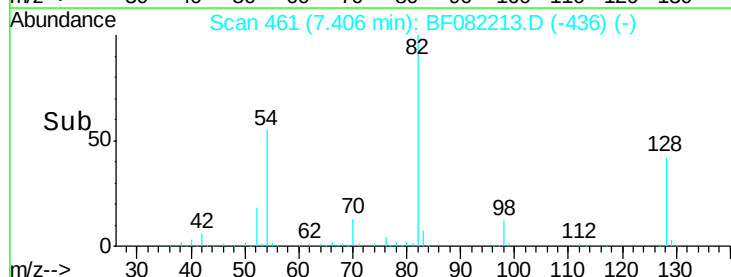
54 54.5 40.1 60.1



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



Time-->

7.41

400000

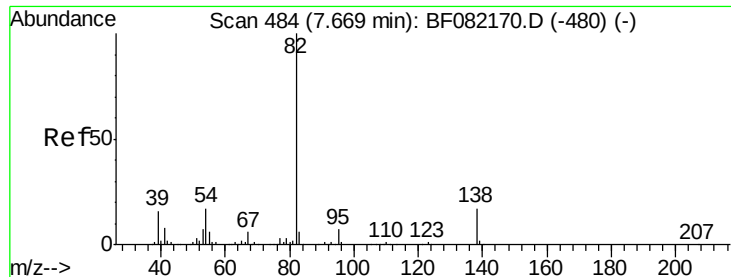
300000

200000

100000

0

7.40 7.60



#25

Isophorone

Concen: 29.03 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

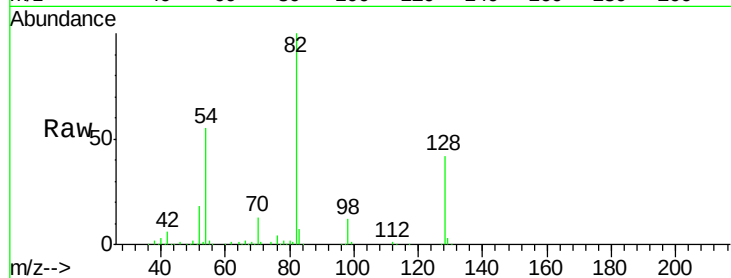
Tot Ion: 82 Resp: 314710

Ion Ratio Lower Upper

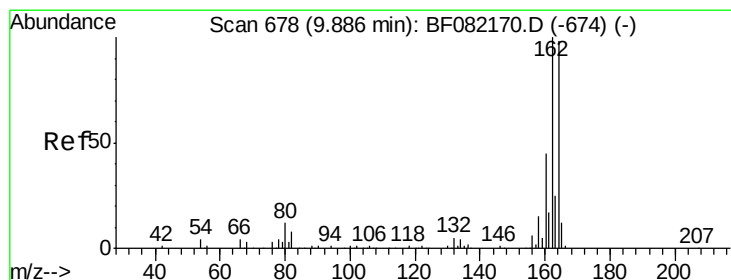
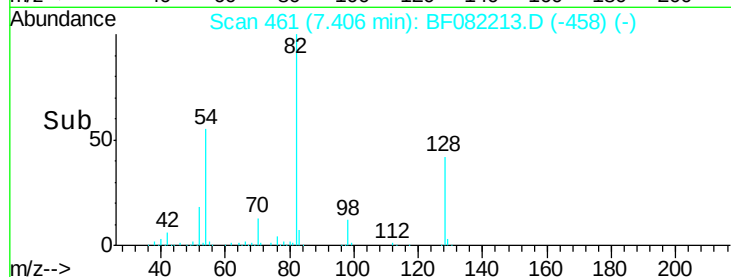
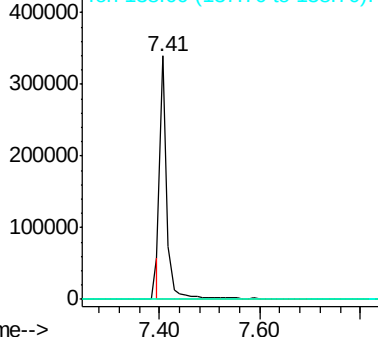
82 100

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: BF082213.D

Acq: 11 Oct 2015 9:38

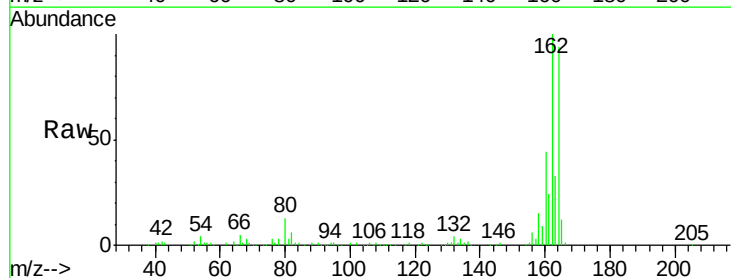
Tgt Ion: 164 Resp: 160833

Ion Ratio Lower Upper

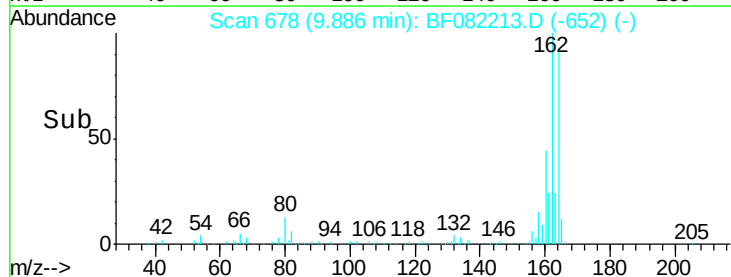
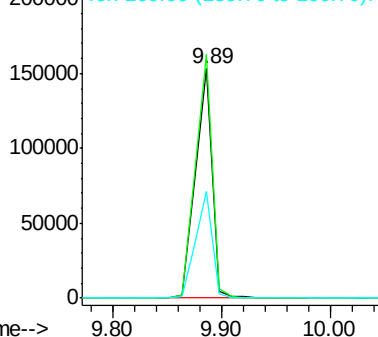
164 100

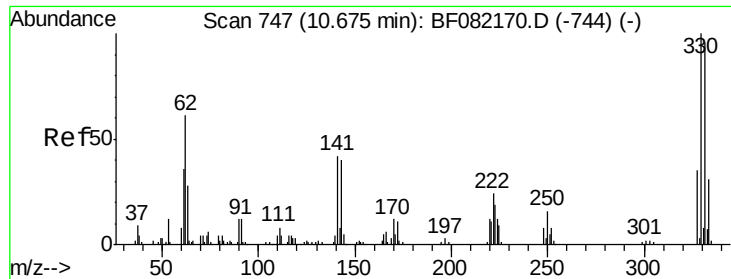
162 106.2 81.6 122.4

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

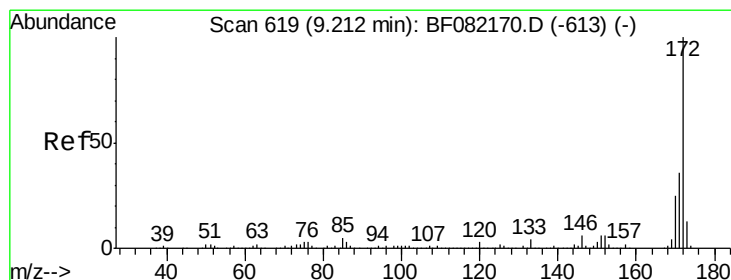
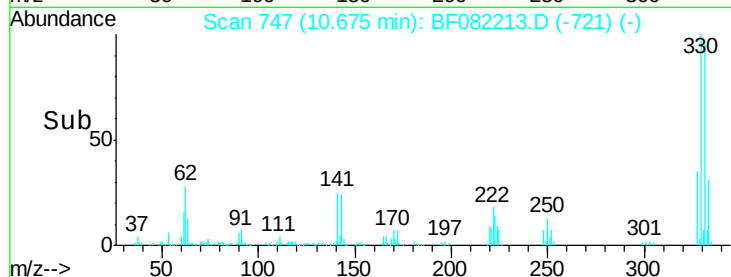
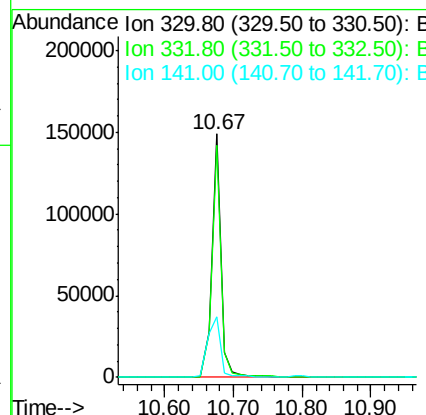
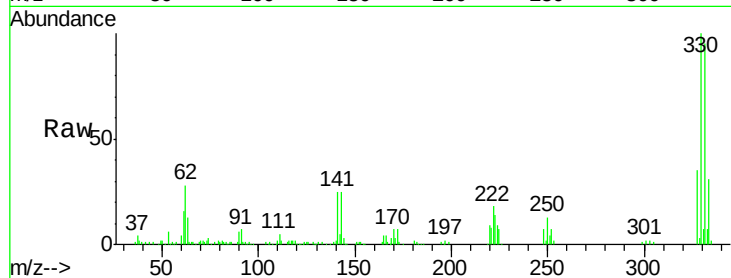




#41
 2,4,6-Tribromophenol
 Concen: 92.67 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082213.D
 Acq: 11 Oct 2015 9:38

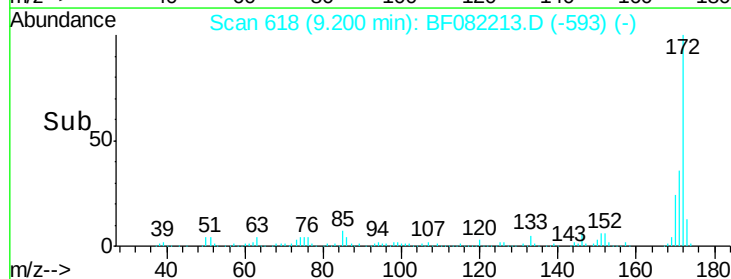
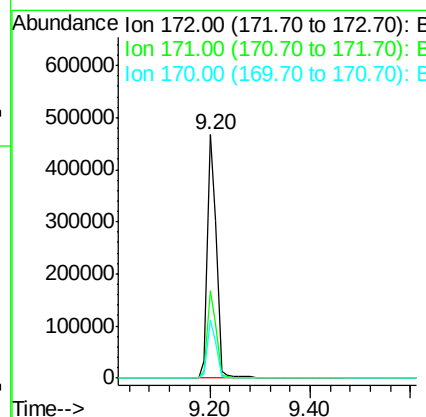
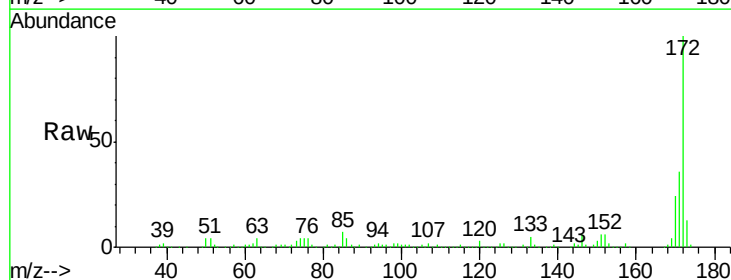
Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

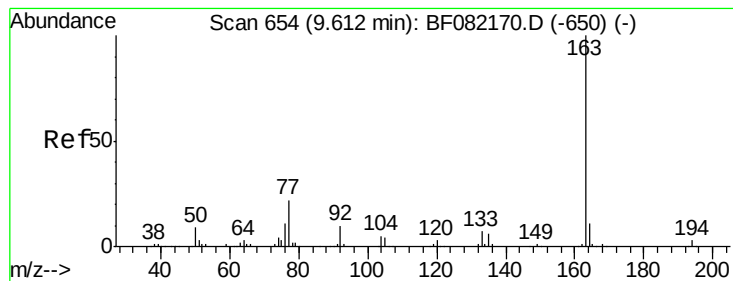
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	35.4	29.8	44.8



#44
 2-Fluorobiphenyl
 Concen: 60.16 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082213.D
 Acq: 11 Oct 2015 9:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.7	19.7	29.5





#49

Dimethylphthalate

Concen: 12.69 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

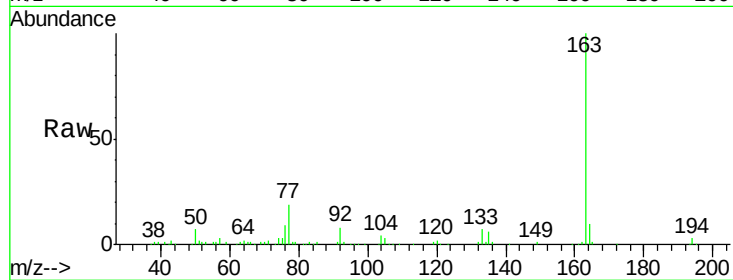
Tot Ion:163 Resp: 143706

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

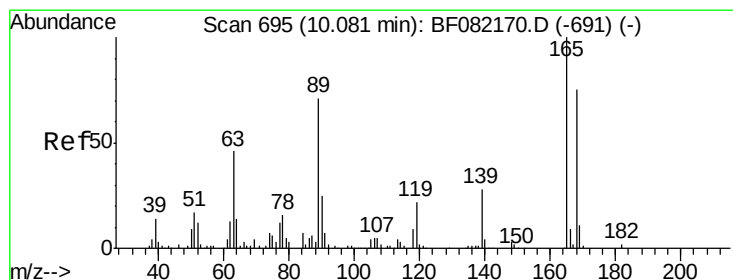
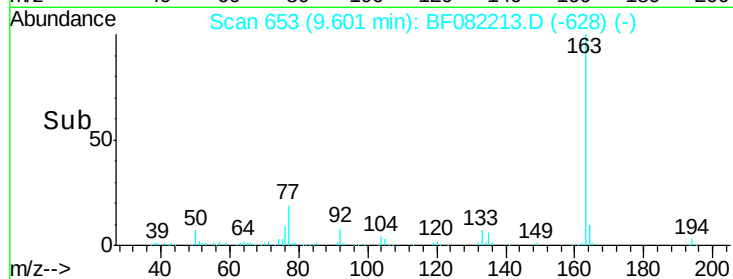
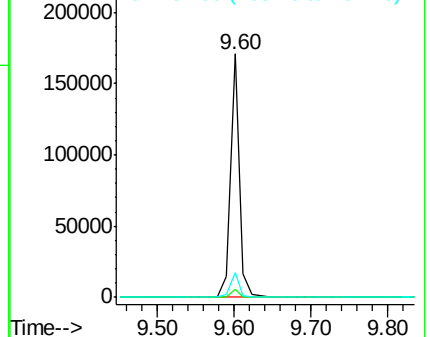
164 9.9 8.5 12.7



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



#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.19 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Tgt Ion:165 Resp: 20849

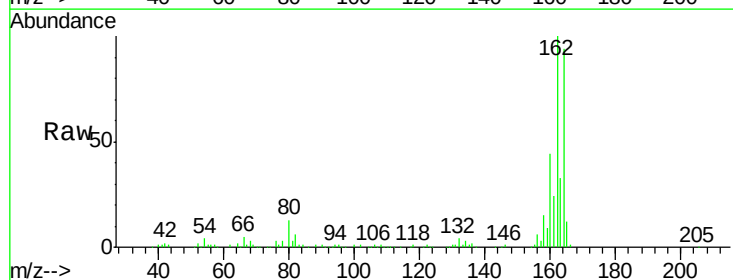
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

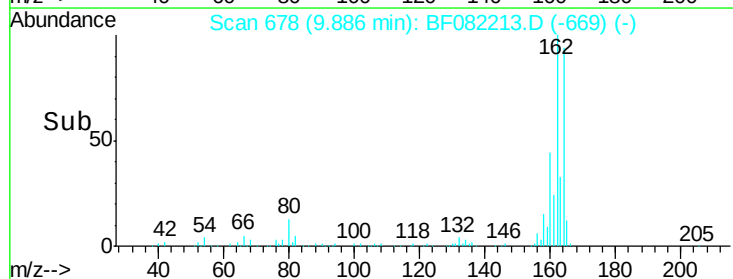
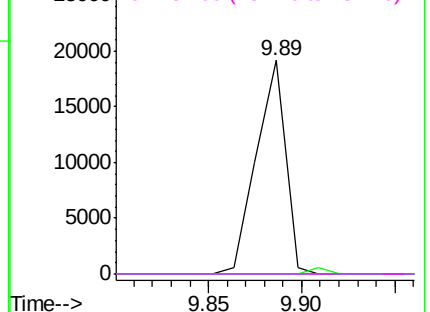


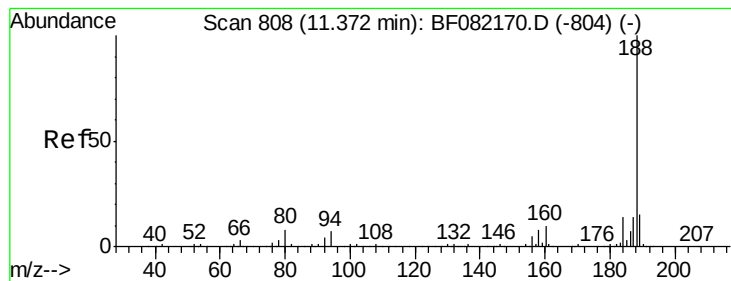
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

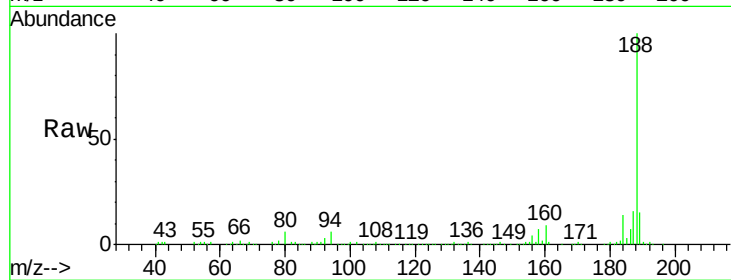
Tot Ion:188 Resp: 276595

Ion Ratio Lower Upper

188 100

94 6.1 5.8 8.6

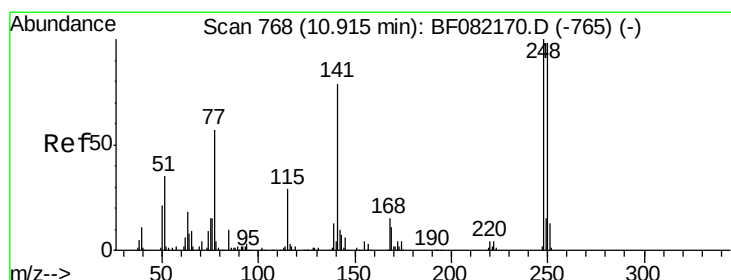
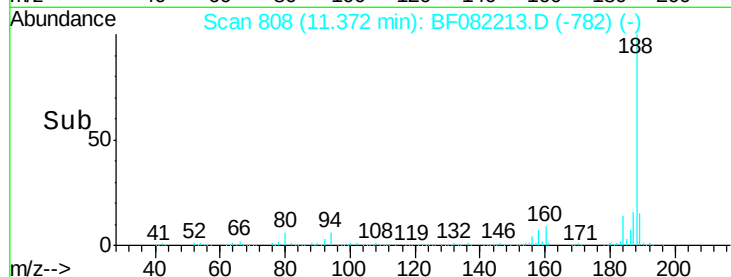
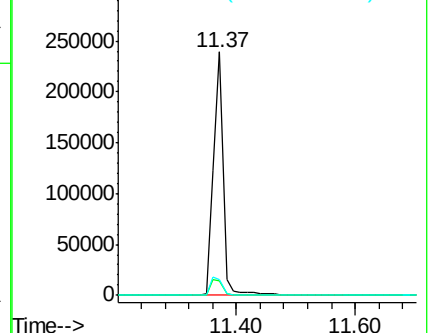
80 6.2 6.4 9.6#



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: 3.42 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

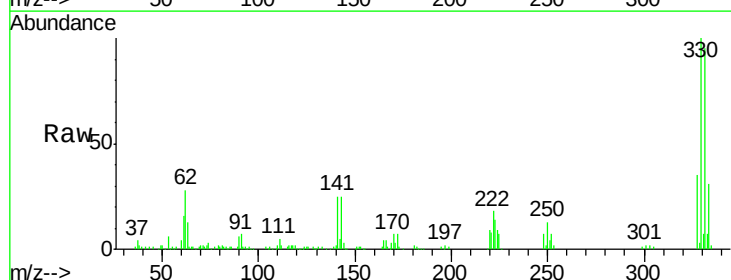
Tgt Ion:248 Resp: 9469

Ion Ratio Lower Upper

248 100

250 195.2 78.6 117.8#

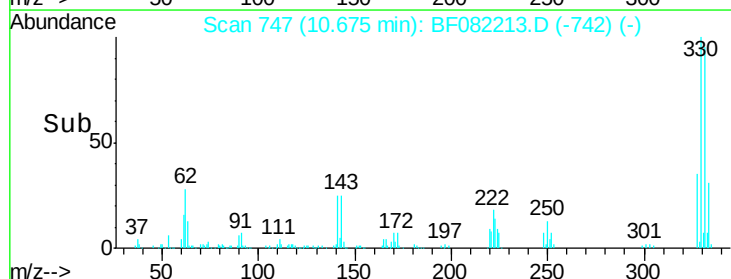
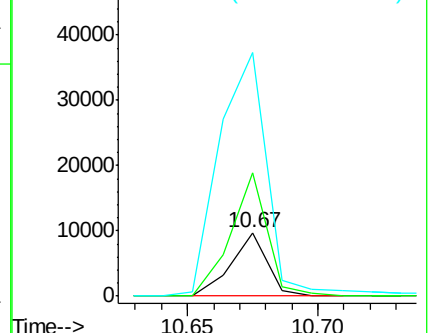
141 385.2 63.3 94.9#

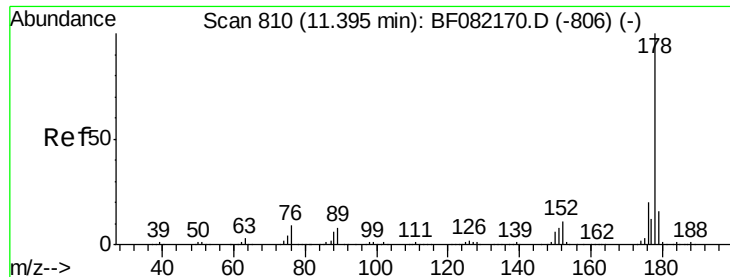


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

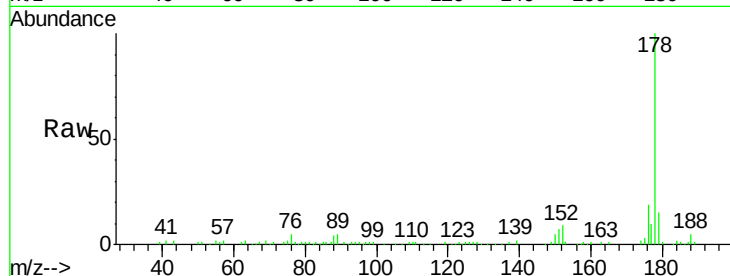




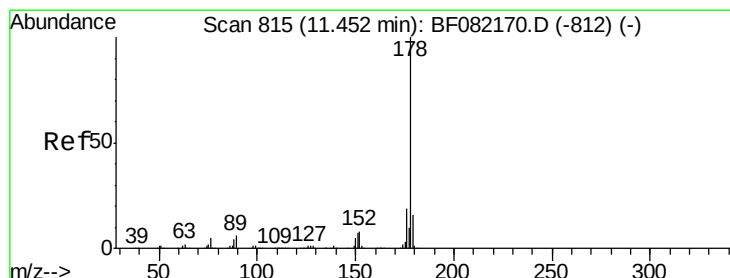
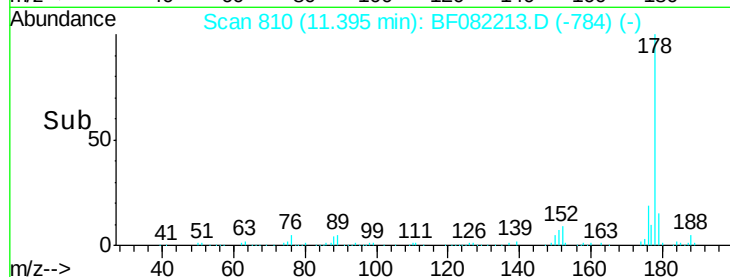
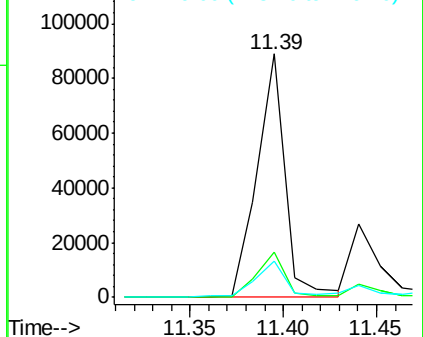
#70
 Phenanthrene
 Concen: 6.91 ng
 RT: 11.39 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF082213.D
 Acq: 11 Oct 2015 9:38

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

Tot Ion:178 Resp: 93739
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.0 24.0
 179 14.9 12.6 19.0

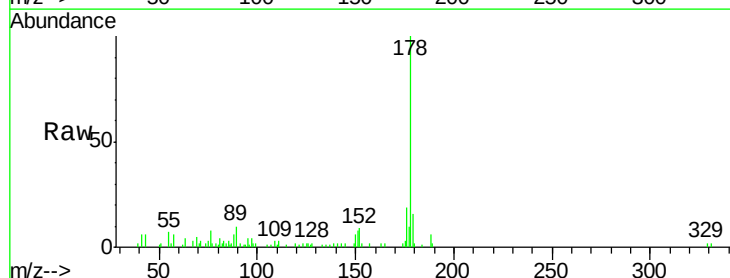


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

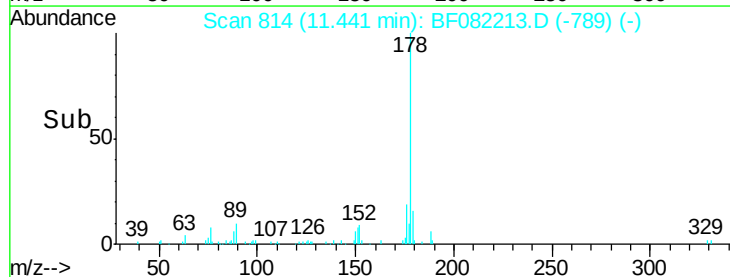
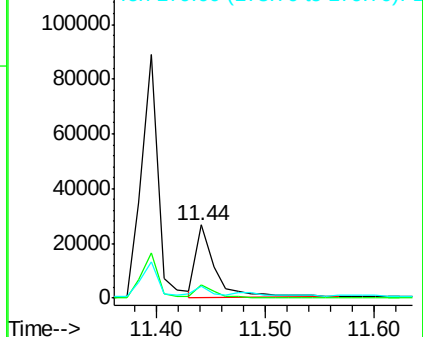


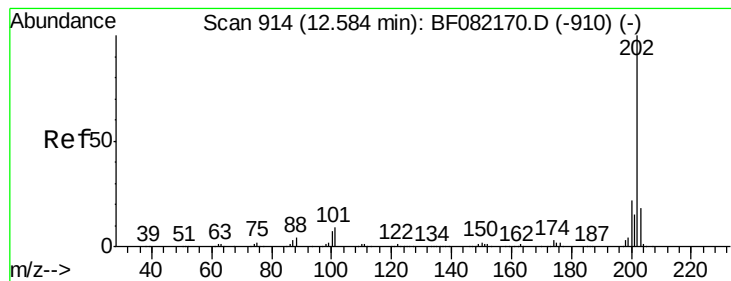
#71
 Anthracene
 Concen: 2.30 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082213.D
 Acq: 11 Oct 2015 9:38

Tgt Ion:178 Resp: 32194
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 16.4 12.5 18.7



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: 12.16 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

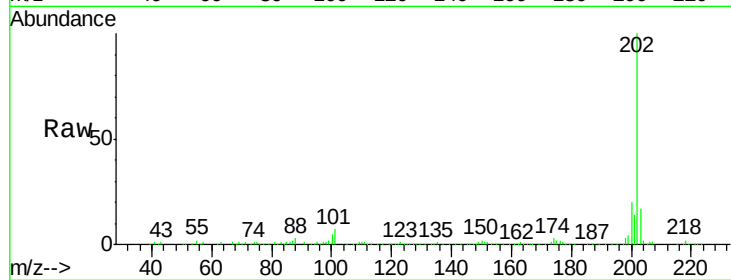
Tot Ion:202 Resp: 177012

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.3

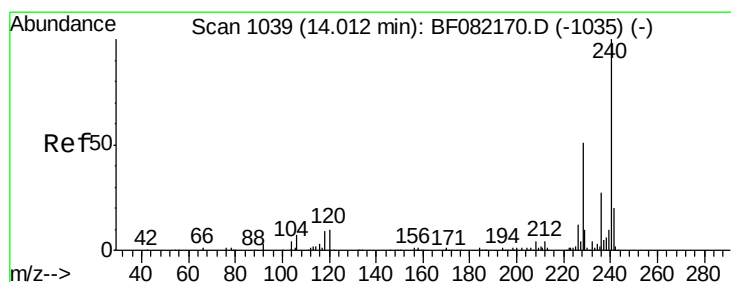
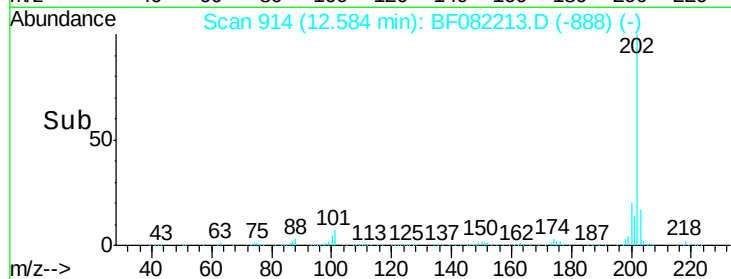
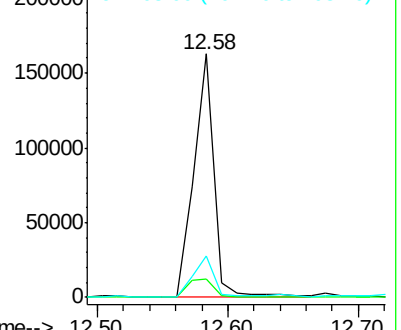
203 16.9 0.0 37.8



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: BF082213.D

Acq: 11 Oct 2015 9:38

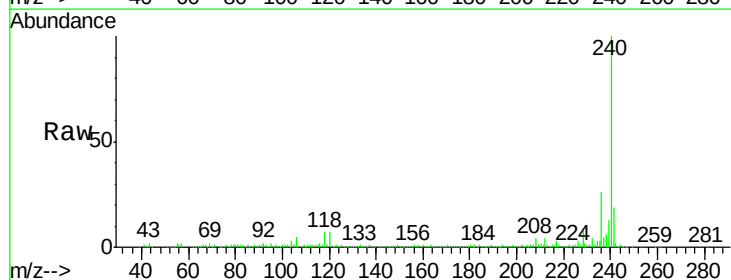
Tgt Ion:240 Resp: 246288

Ion Ratio Lower Upper

240 100

120 7.1 8.1 12.1#

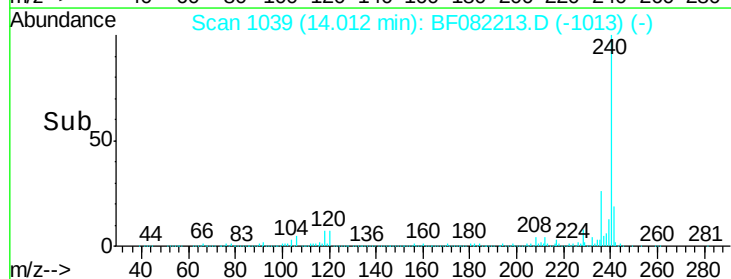
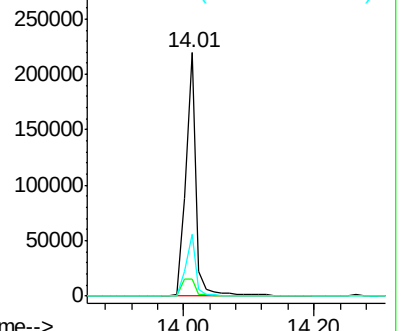
236 25.6 21.3 31.9

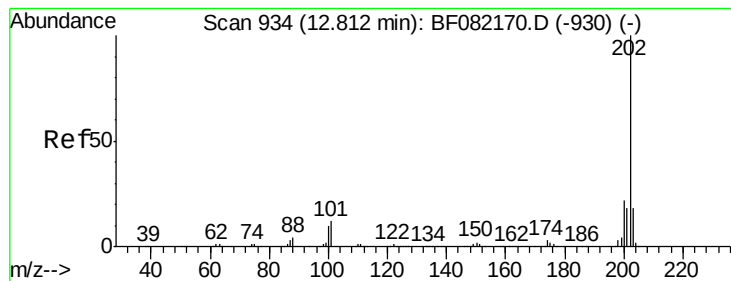


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.75 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

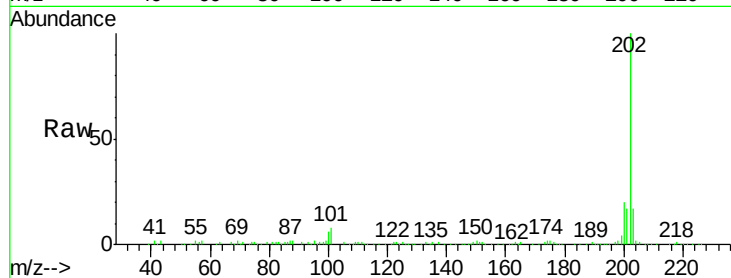
Tot Ion:202 Resp: 157097

Ion Ratio Lower Upper

202 100

200 20.2 17.9 26.9

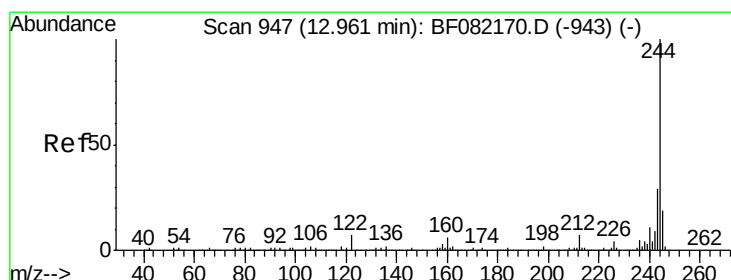
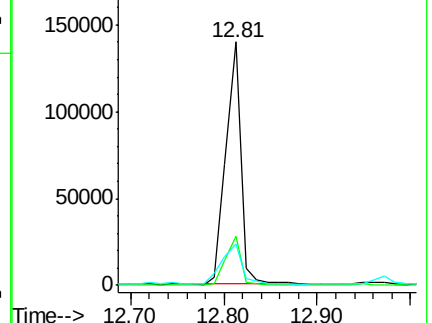
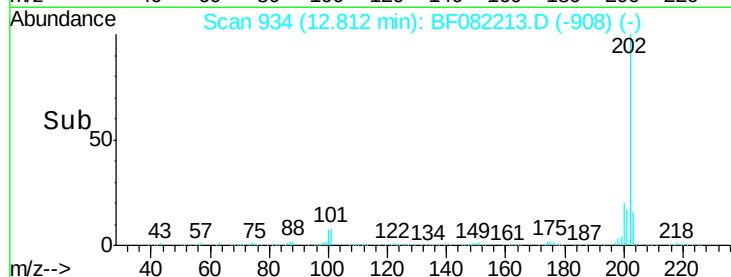
203 17.0 14.5 21.7



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: 48.57 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

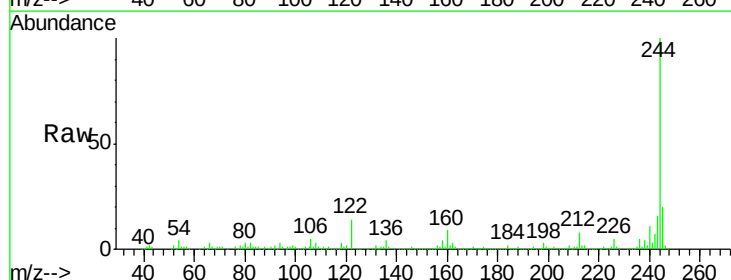
Tgt Ion:244 Resp: 451371

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

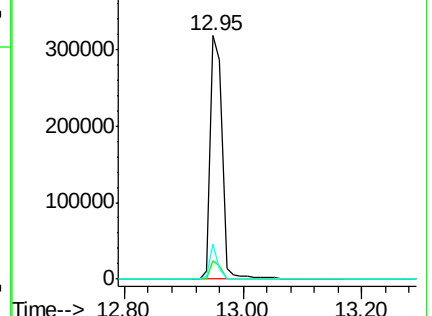
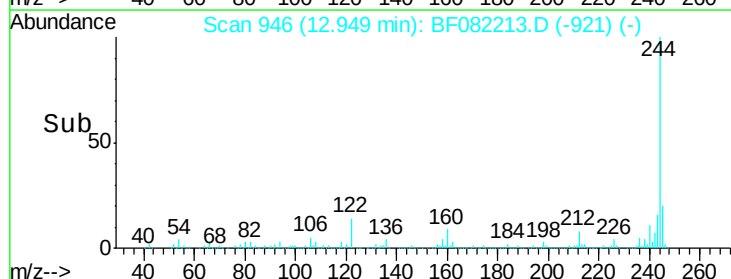
122 14.4 5.9 8.9#

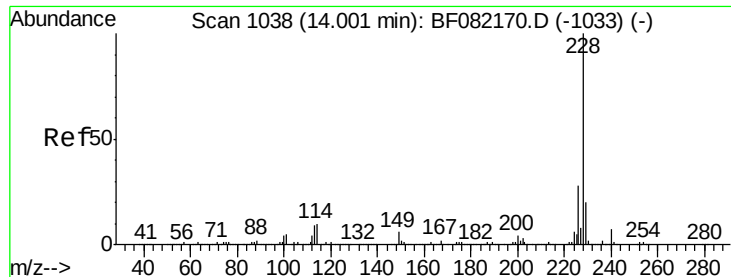


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.76 ng

RT: 14.00 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

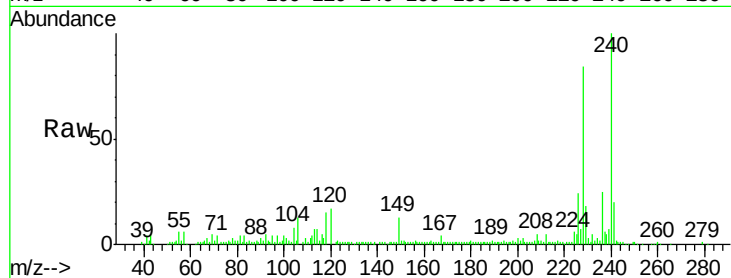
Tot Ion:228 Resp: 99379

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

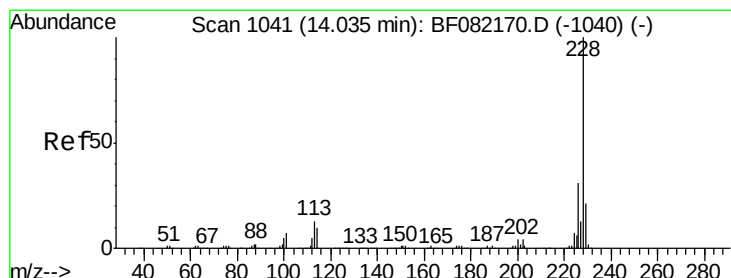
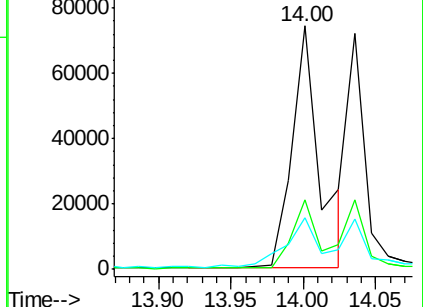
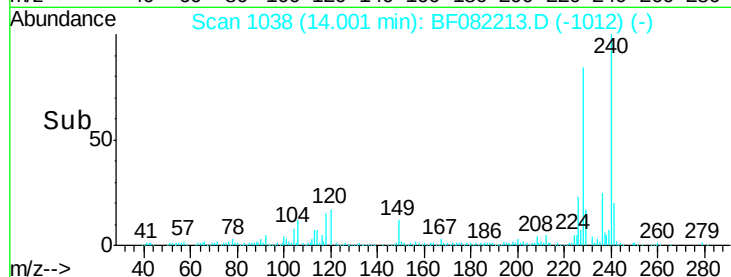
229 21.3 16.2 24.2



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: 7.37 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

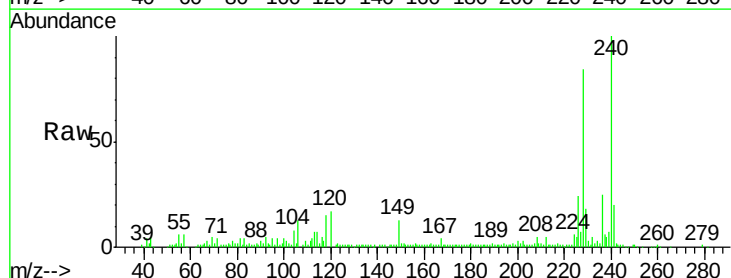
Tgt Ion:228 Resp: 99457

Ion Ratio Lower Upper

228 100

226 28.3 24.4 36.6

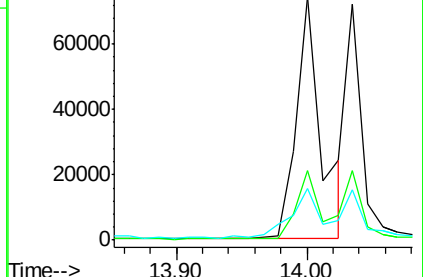
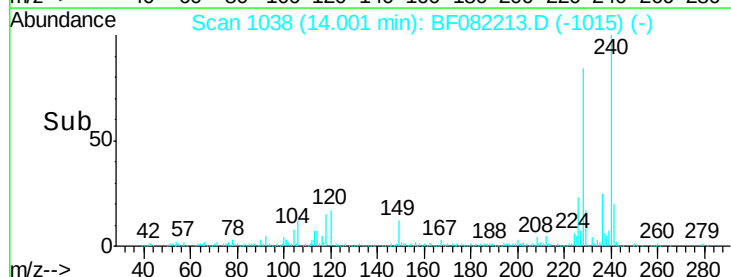
229 21.3 16.3 24.5

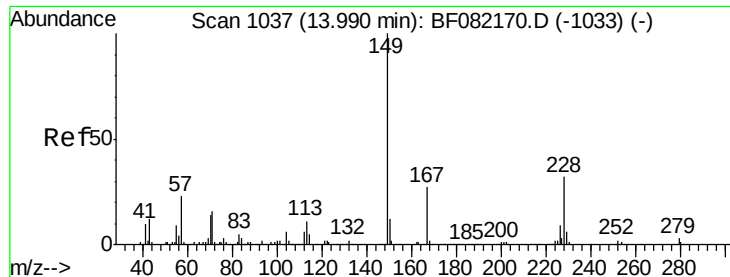


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 20.53 ng

RT: 13.99 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

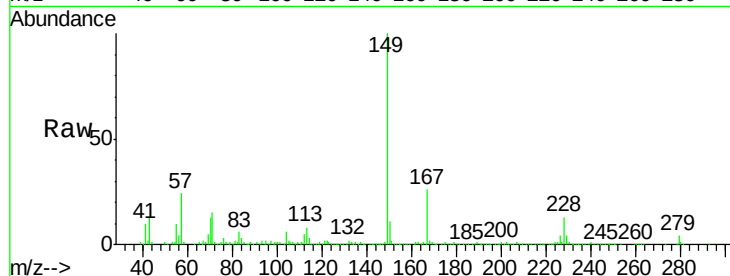
Tot Ion:149 Resp: 195381

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

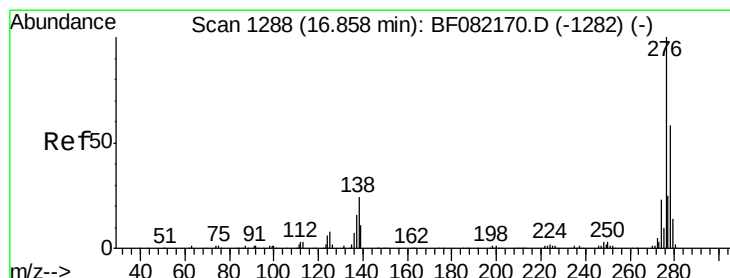
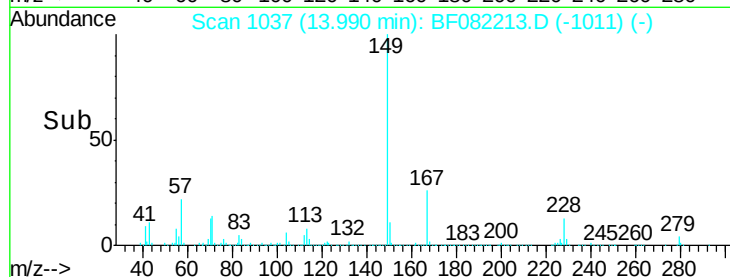
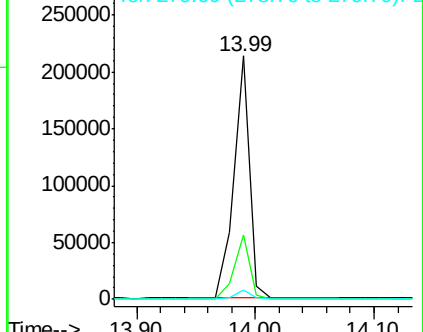
279 3.6 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.57 ng

RT: 16.85 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

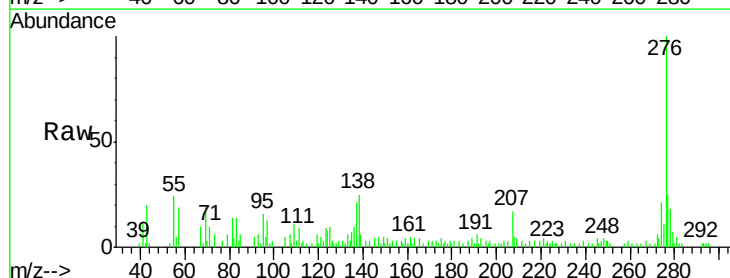
Tgt Ion:276 Resp: 38311

Ion Ratio Lower Upper

276 100

138 22.3 19.7 29.5

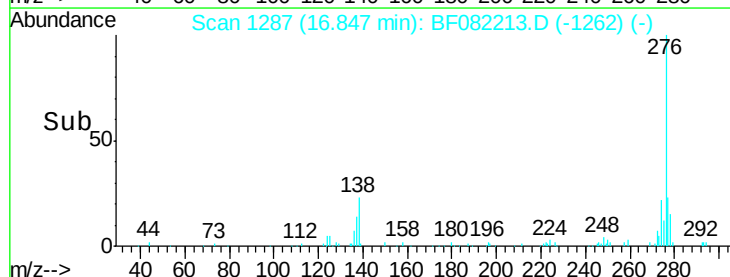
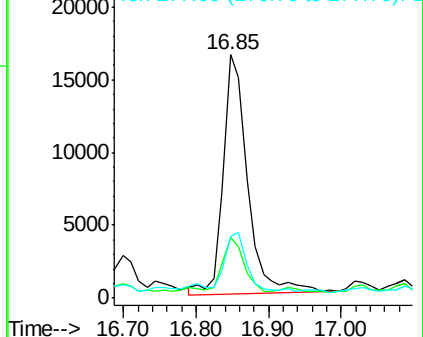
277 24.8 20.1 30.1

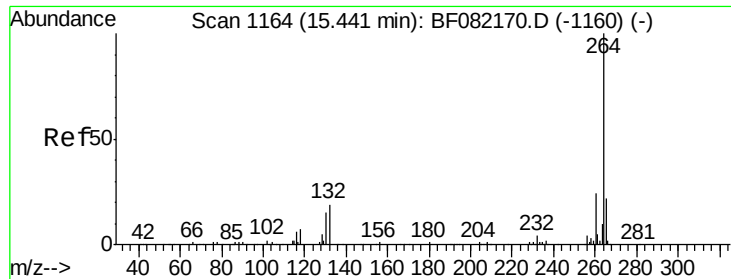


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



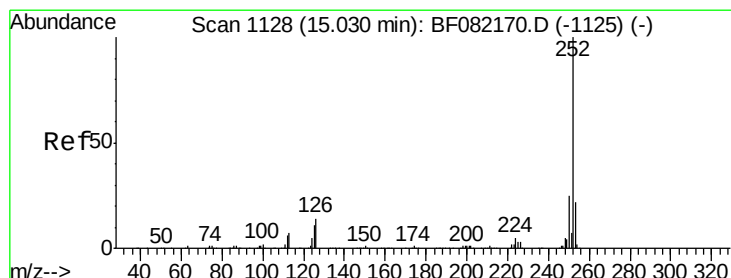
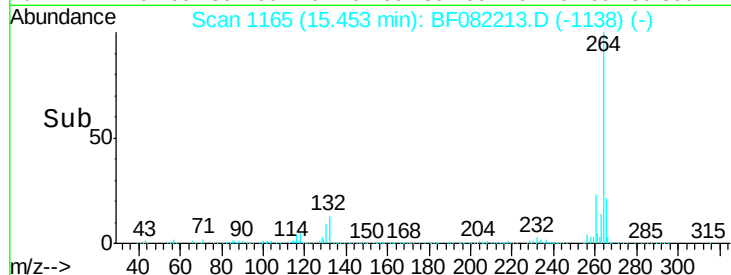
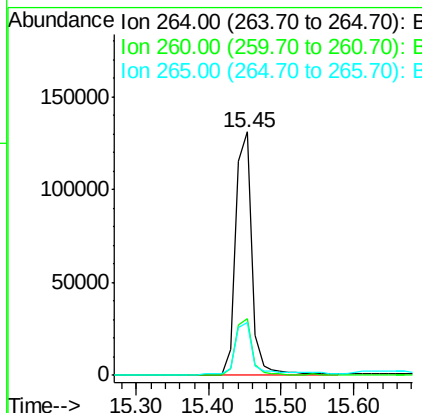
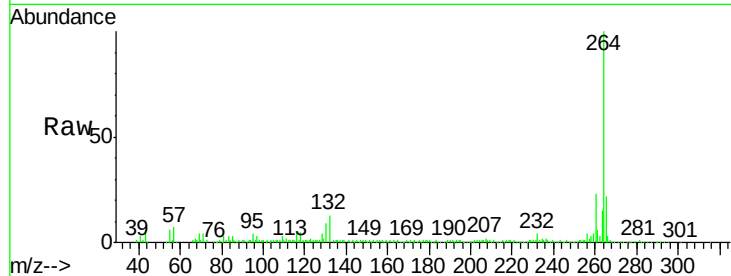


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF082213.D
Acq: 11 Oct 2015 9:38

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tot Ion:264 Resp: 207093

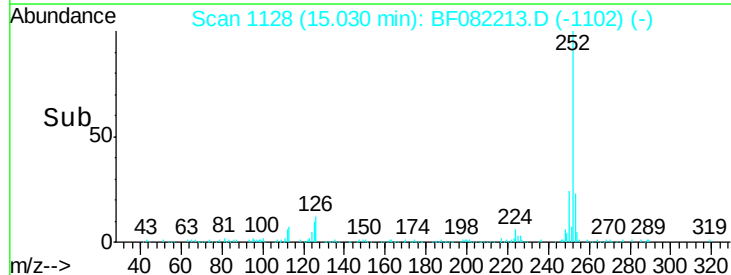
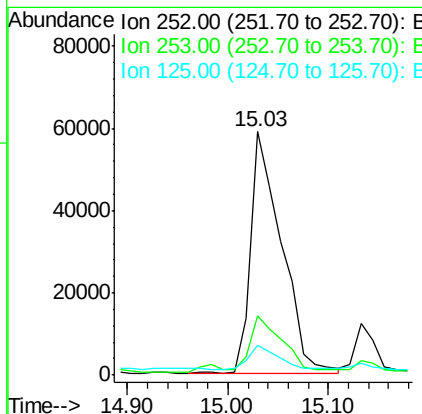
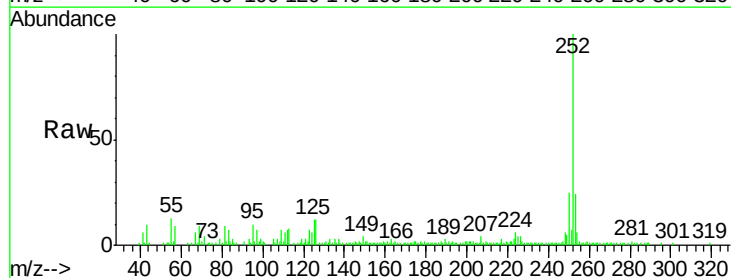
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.8	17.3	25.9

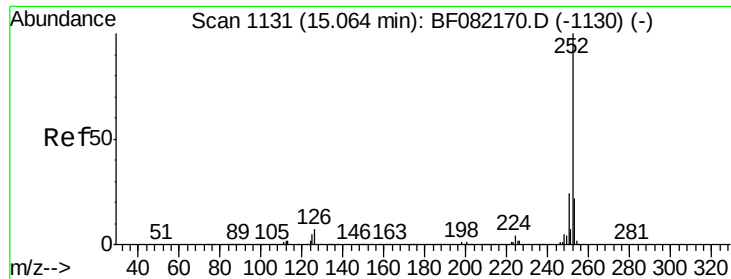


#87
Benzo(b)fluoranthene
Concen: 9.93 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082213.D
Acq: 11 Oct 2015 9:38

Tgt Ion:252 Resp: 125076

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.4	8.6	12.8





#88

Benzo(k)fluoranthene

Concen: 11.81 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

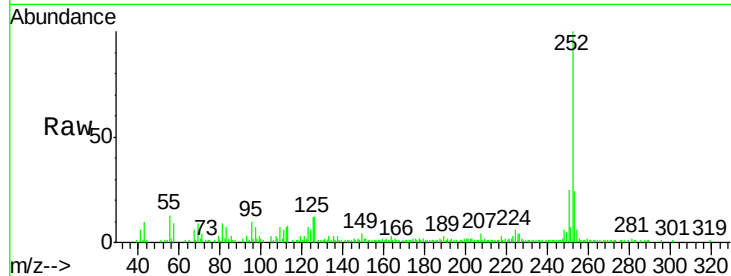
Tot Ion:252 Resp: 125076

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

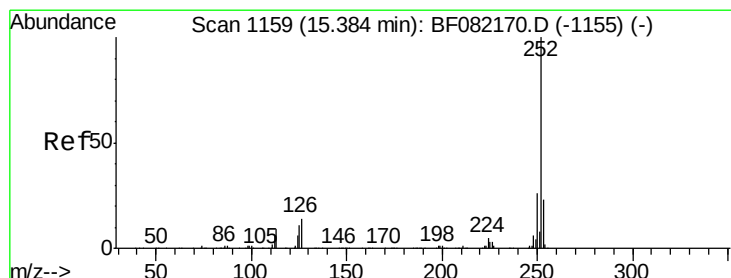
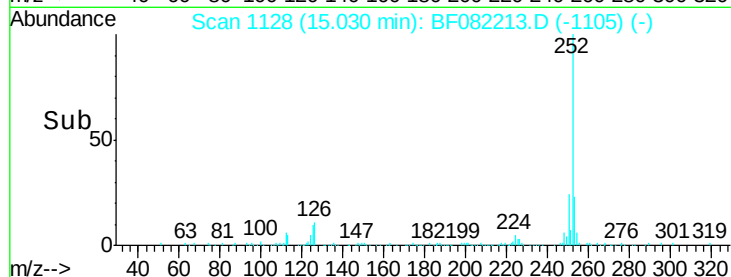
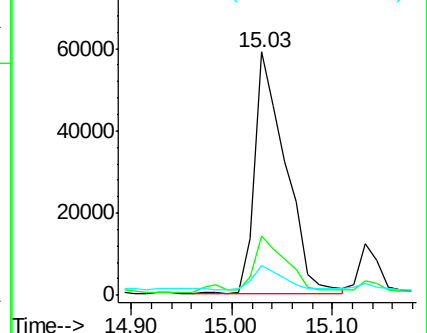
125 12.4 6.7 10.1#



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: 6.20 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082213.D

Acq: 11 Oct 2015 9:38

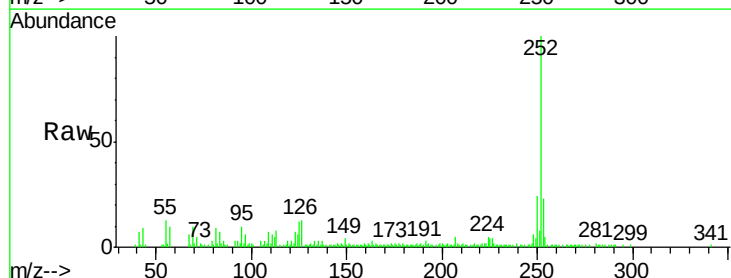
Tgt Ion:252 Resp: 67119

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

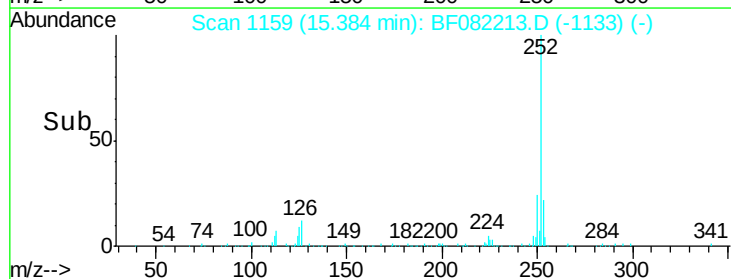
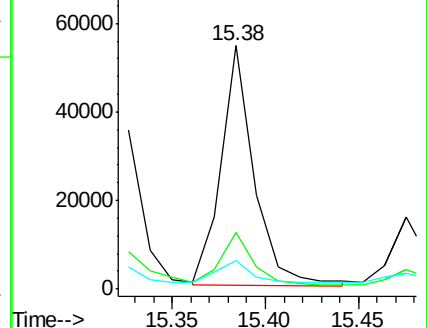
125 11.7 8.9 13.3

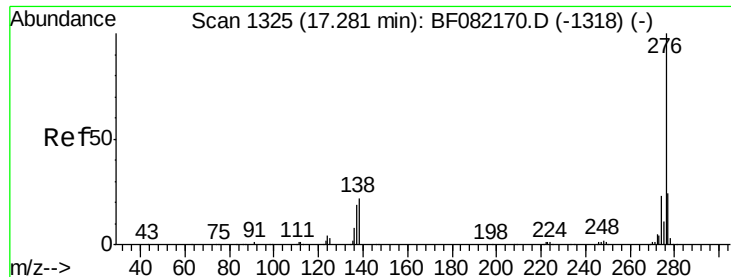


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.14 ng
 RT: 17.28 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF082213.D
 Acq: 11 Oct 2015 9:38

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

Tot Ion: 276 Resp: 35711
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.8 28.2
 138 19.3 17.4 26.2

