

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110815\
 Data File : BF082828.D
 Acq On : 8 Nov 2015 7:56
 Operator : UM/IZ
 Sample : G4261-12RE
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Quant Time: Nov 09 00:14:47 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	248502	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	843410	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	424131	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	635638	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	546044	20.00	ng	-0.01
86) Perylene-d12	15.44	264	509130	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1933878	121.08	ng	0.02
7) Phenol-d6	6.50	99	2786069	131.22	ng	0.02
23) Nitrobenzene-d5	7.41	82	1519007	78.37	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	502549	103.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2354467	79.56	ng	0.00
78) Terphenyl-d14	12.96	244	1451262	63.04	ng	-0.01

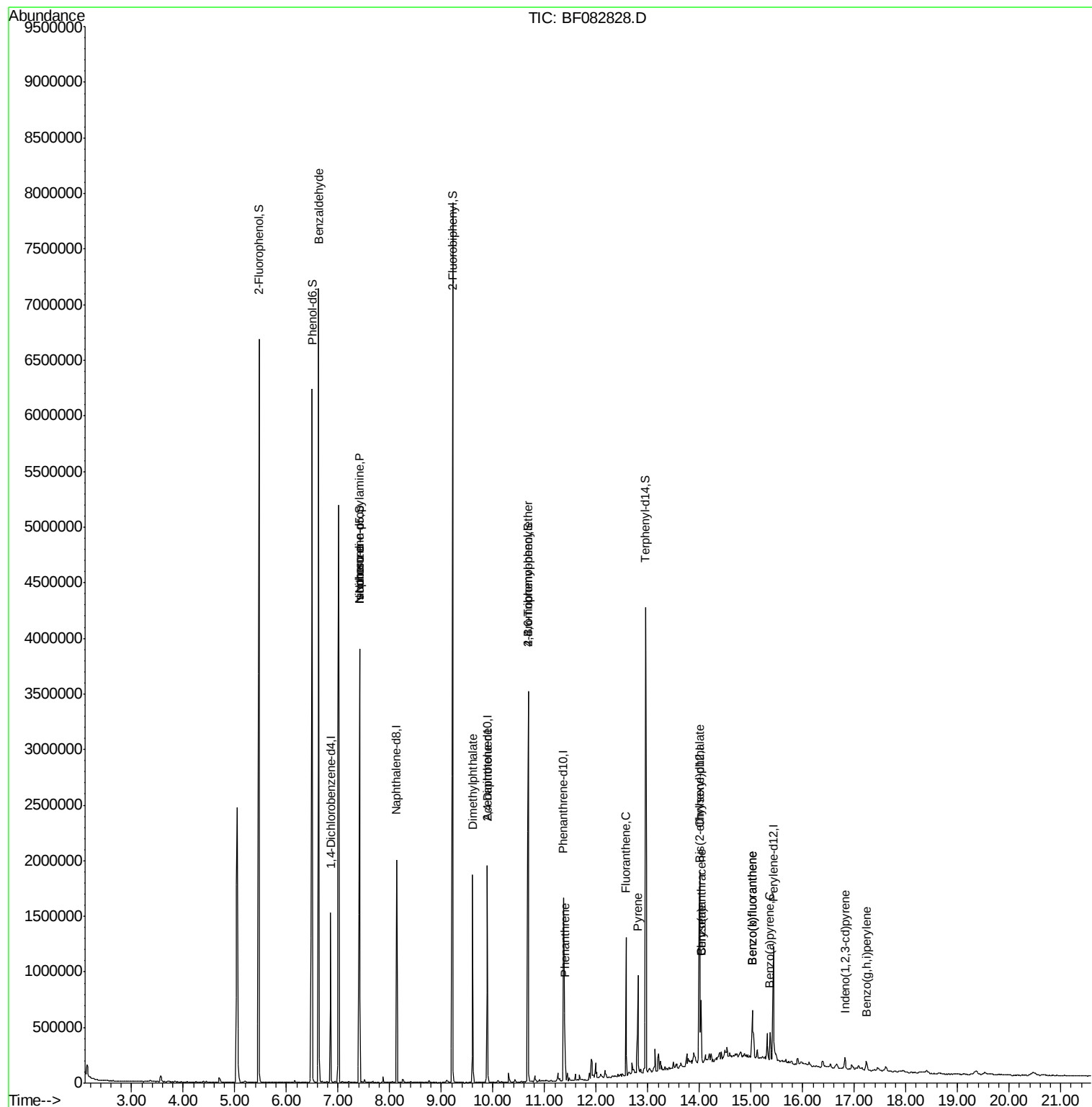
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	52798	4.50	ng	87
19) n-Nitroso-di-n-propylamine	7.41	70	209190	13.40	ng	# 71
25) Isophorone	7.41	82	1483067	41.35	ng	# 69
49) Dimethylphthalate	9.61	163	652417	18.77	ng	99
56) 2,4-Dinitrotoluene	9.89	165	54608	5.43	ng	# 15
66) 4-Bromophenyl-phenylether	10.68	248	35321	4.61	ng	# 1
70) Phenanthrene	11.39	178	203534	5.51	ng	96
74) Fluoranthene	12.58	202	456283	11.52	ng	98
77) Pyrene	12.81	202	346976	9.25	ng	97
80) Benzo(a)anthracene	14.03	228	372309	10.90	ng	99
82) Chrysene	14.03	228	372309	11.90	ng	97
83) Bis(2-ethylhexyl)phthalate	14.00	149	134243	5.92	ng	96
85) Indeno(1,2,3-cd)pyrene	16.82	276	78898	2.93	ng	97
87) Benzo(b)fluoranthene	15.03	252	314930	9.64	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	314930	10.86	ng	# 97
89) Benzo(a)pyrene	15.37	252	110322	3.90	ng	# 96
91) Benzo(g,h,i)perylene	17.23	276	71591	3.12	ng	# 93

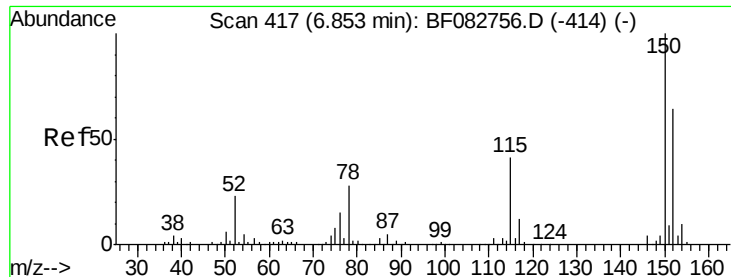
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampled :

DW4RE

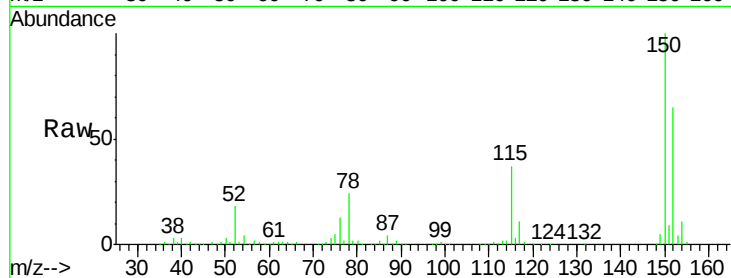
Tgt Ion:152 Resp: 248502

Ion Ratio Lower Upper

152 100

150 154.7 127.0 190.4

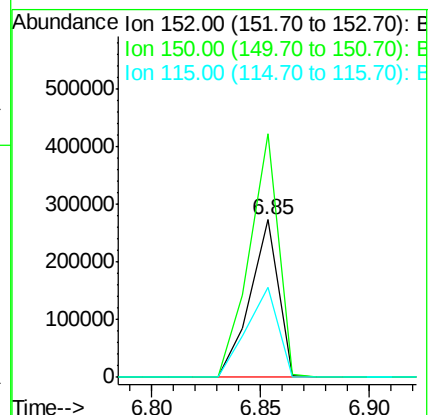
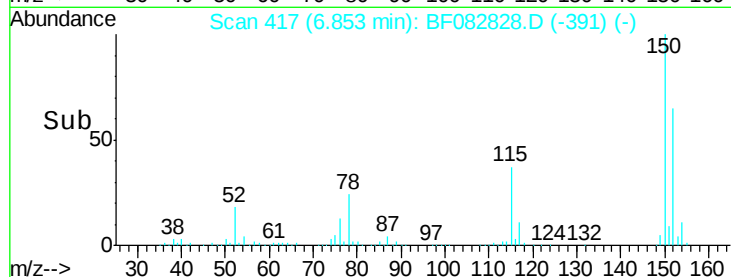
115 57.2 47.0 70.6



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: 121.08 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

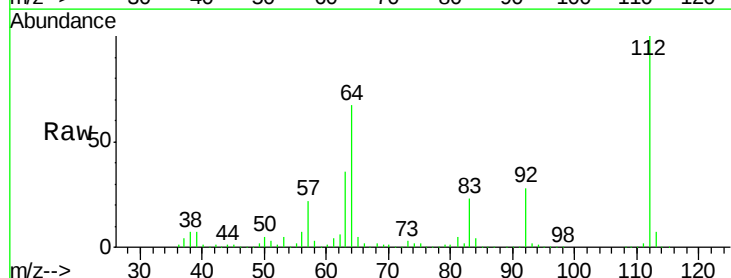
Tgt Ion:112 Resp: 1933878

Ion Ratio Lower Upper

112 100

64 66.7 48.9 73.3

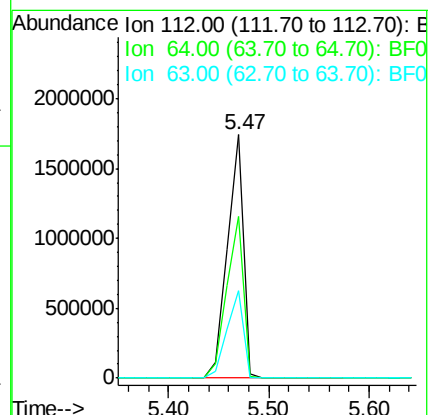
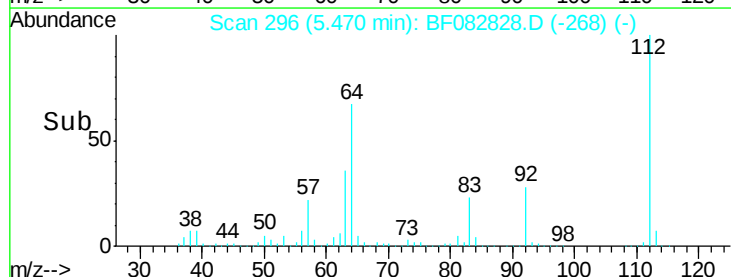
63 35.8 28.1 42.1

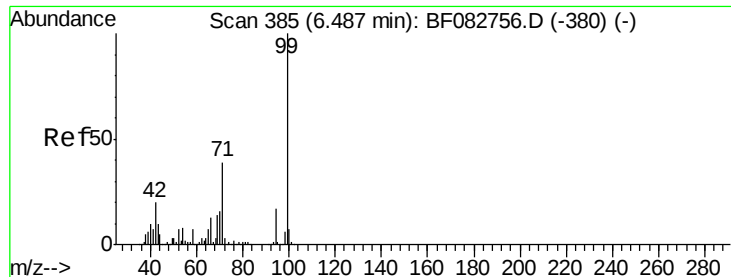


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.22 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

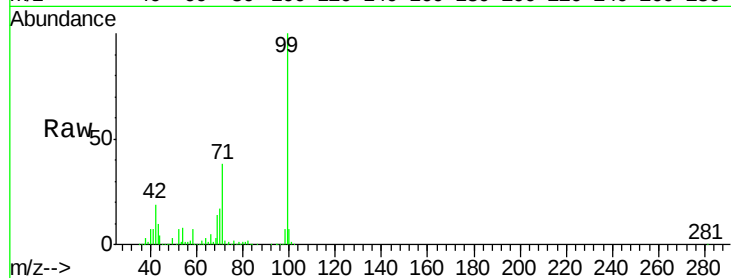
Tgt Ion: 99 Resp: 2786069

Ion Ratio Lower Upper

99 100

42 18.9 19.2 28.8#

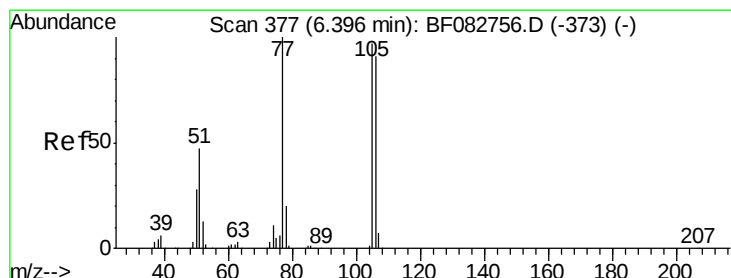
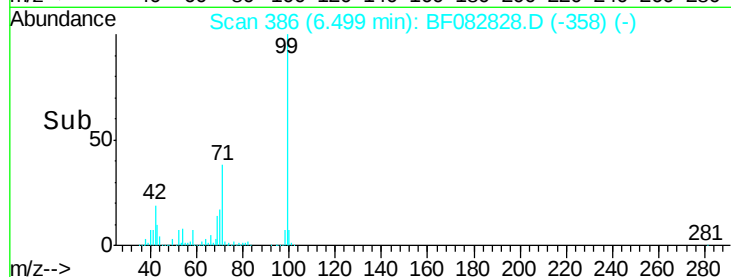
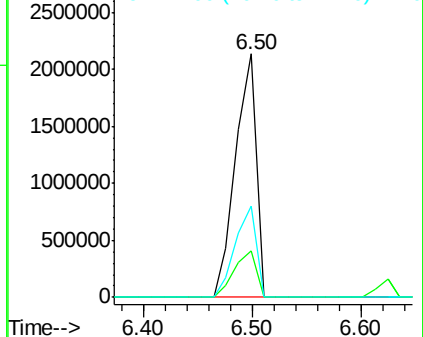
71 37.6 35.0 52.4



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



#9

Benzaldehyde

Concen: 4.50 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.23 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

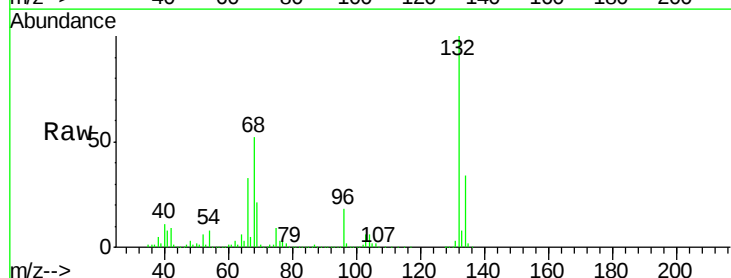
Tgt Ion: 77 Resp: 52798

Ion Ratio Lower Upper

77 100

105 74.6 63.5 103.5

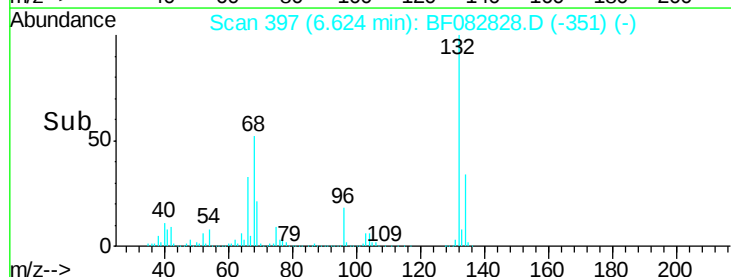
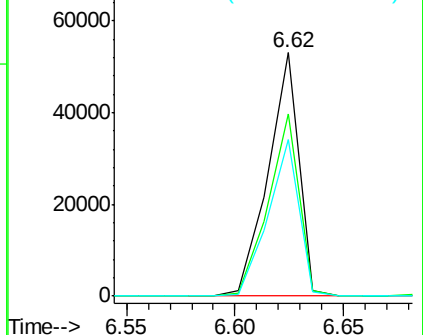
106 64.5 59.3 99.3



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

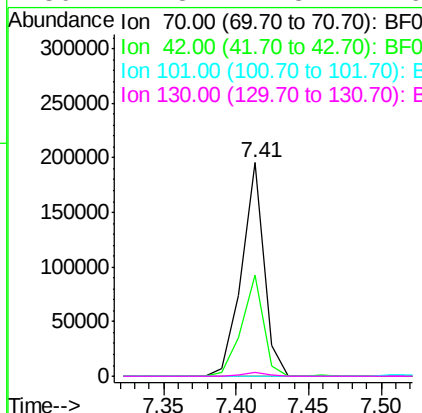
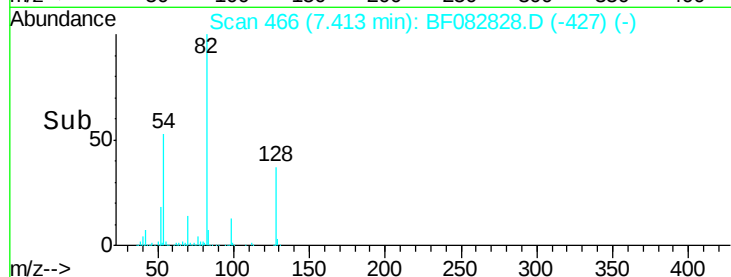
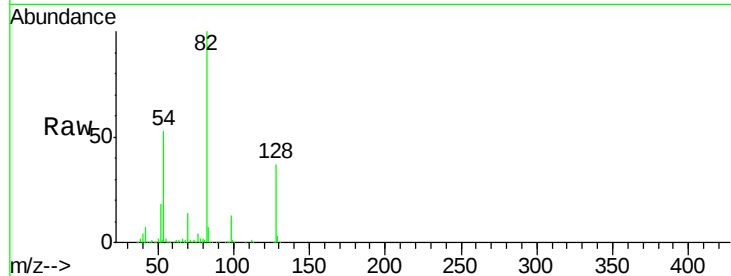




#19
n-Nitroso-di-n-propylamine
Concen: 13.40 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.15 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

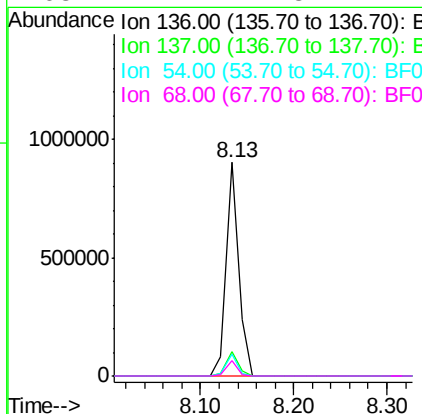
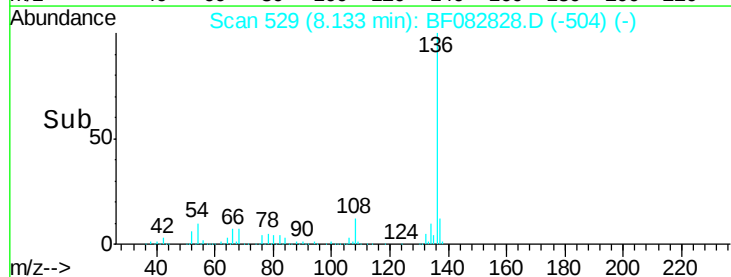
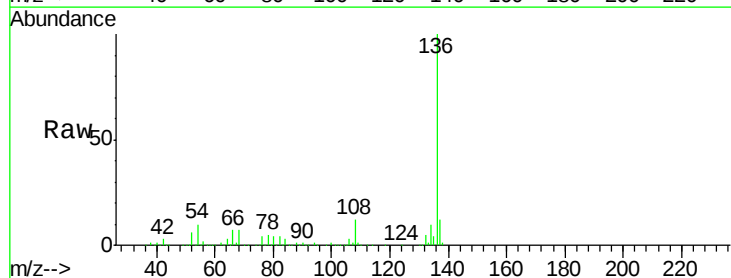
Instrument :
BNA_F
ClientSampleId :
DW4RE

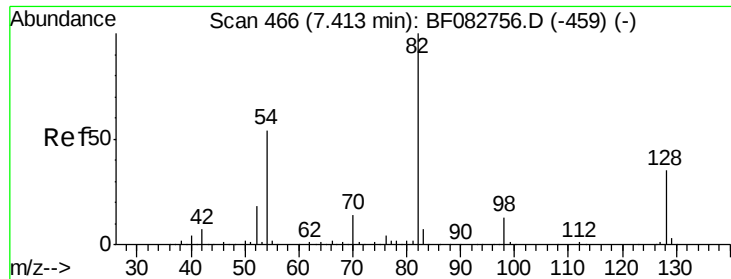
Tgt Ion: 70 Resp: 209190
Ion Ratio Lower Upper
70 100
42 47.4 57.7 86.5#
101 0.0 7.0 10.6#
130 1.8 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion: 136 Resp: 843410
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 10.3 9.1 13.7
68 7.2 4.8 7.2#

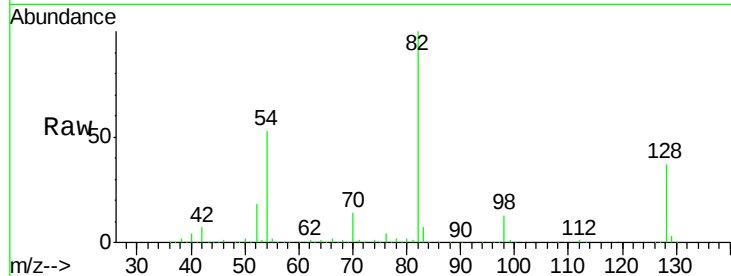




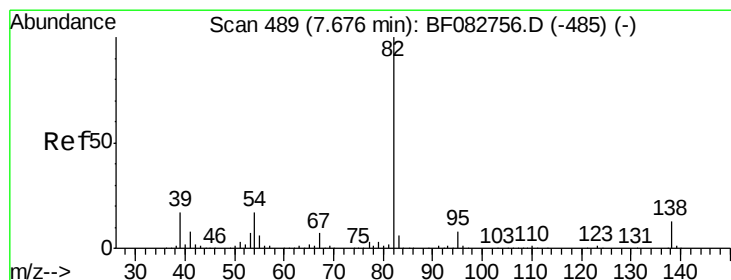
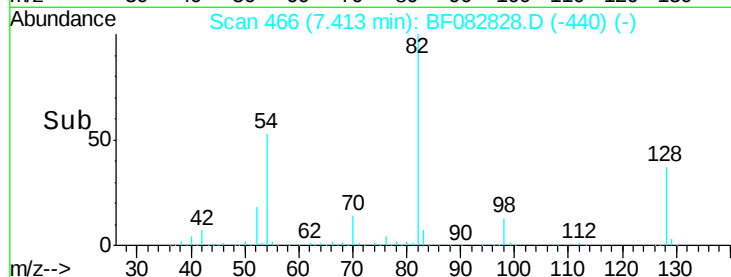
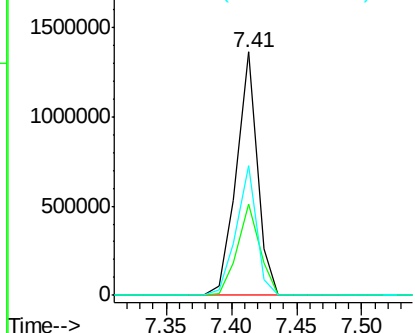
#23
 Nitrobenzene-d5
 Concen: 78.37 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Tgt Ion: 82 Resp: 1519007
 Ion Ratio Lower Upper
 82 100
 128 37.4 26.8 40.2
 54 53.2 45.7 68.5

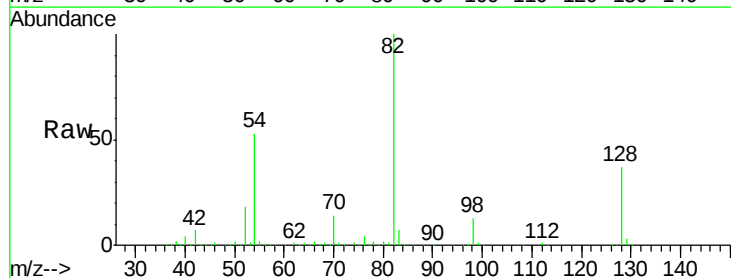


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

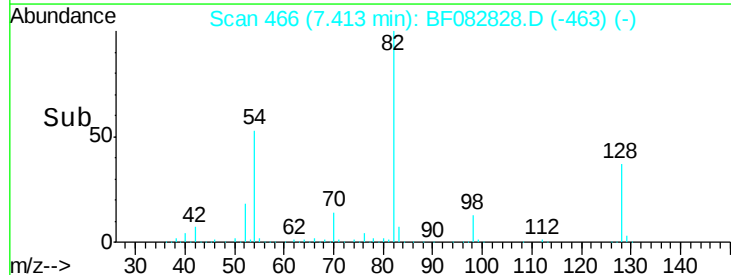
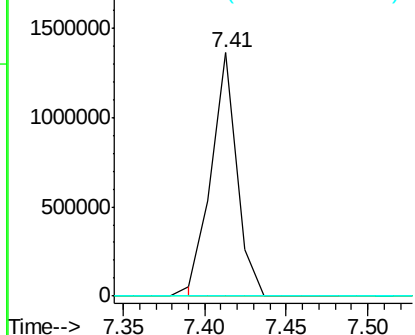


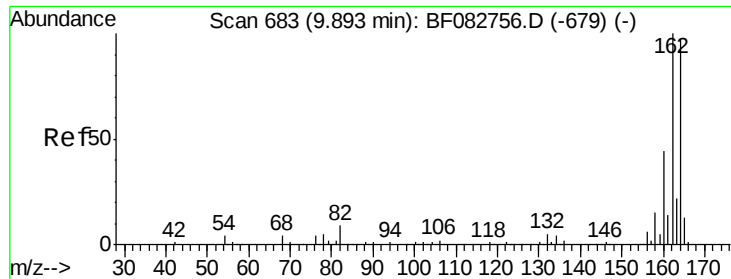
#25
 Isophorone
 Concen: 41.35 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.26 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion: 82 Resp: 1483067
 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: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

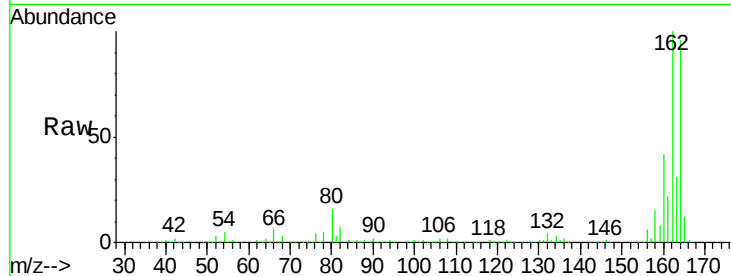
Tgt Ion:164 Resp: 424131

Ion Ratio Lower Upper

164 100

162 104.5 84.9 127.3

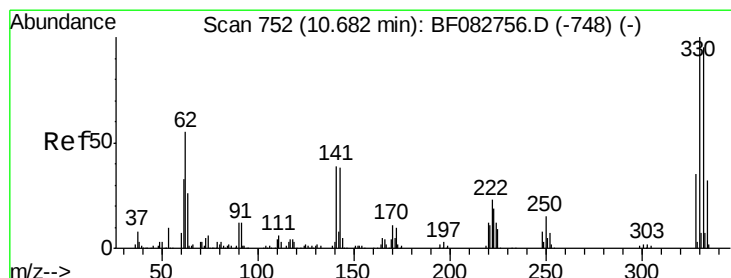
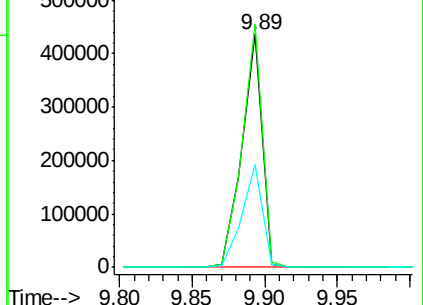
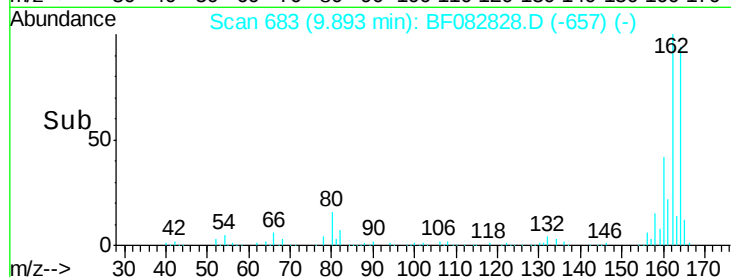
160 44.1 37.5 56.3



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: 103.34 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

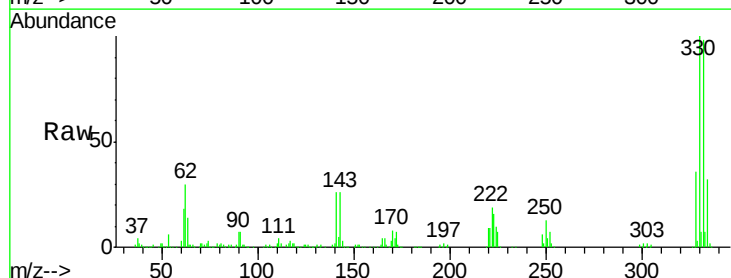
Tgt Ion:330 Resp: 502549

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

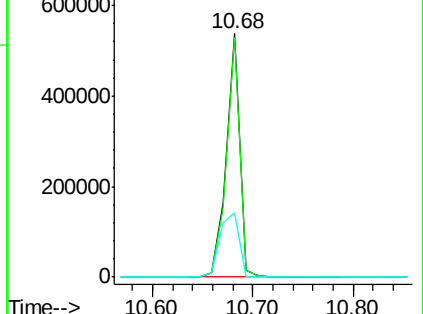
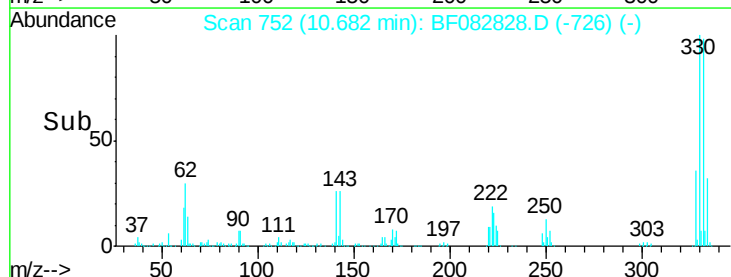
141 37.5 41.2 61.8#

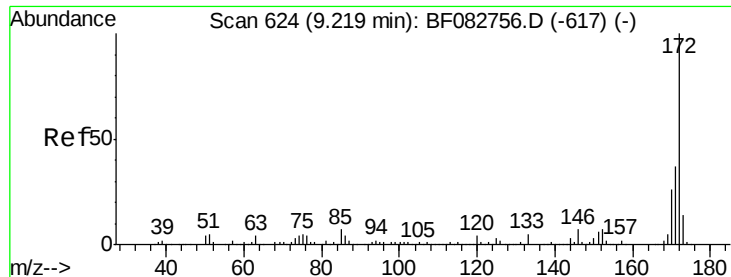


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

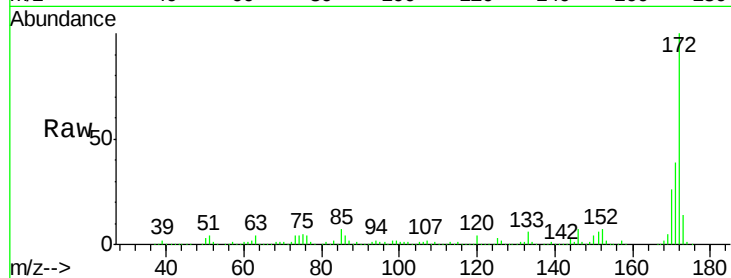




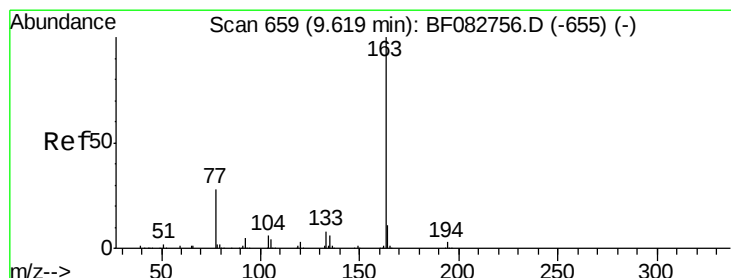
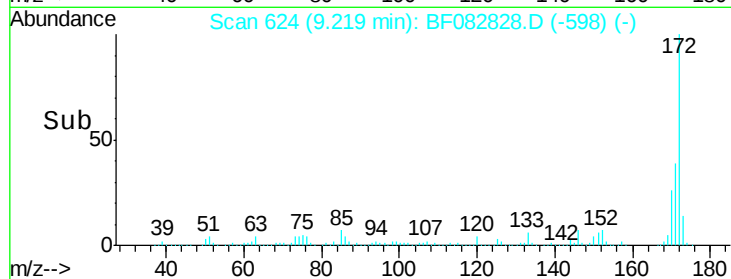
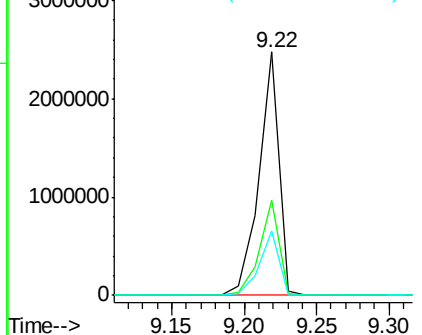
#44
 2-Fluorobiphenyl
 Concen: 79.56 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Tgt Ion:172 Resp: 2354467
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.8 46.2
 170 26.4 21.2 31.8

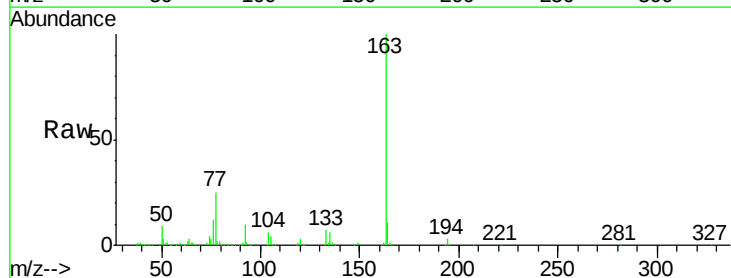


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

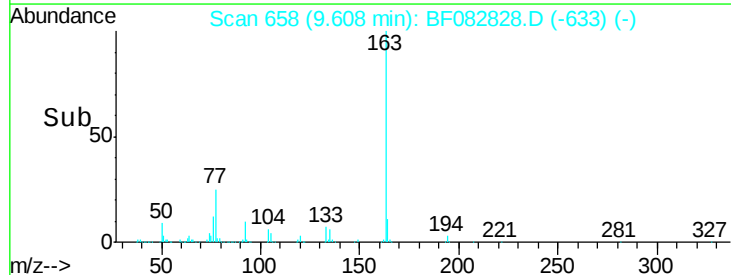
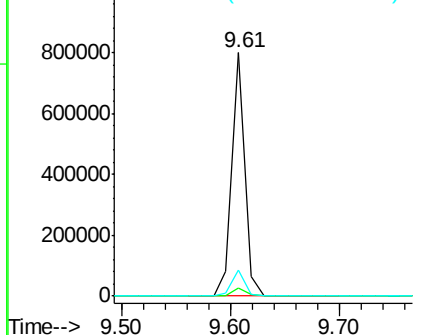


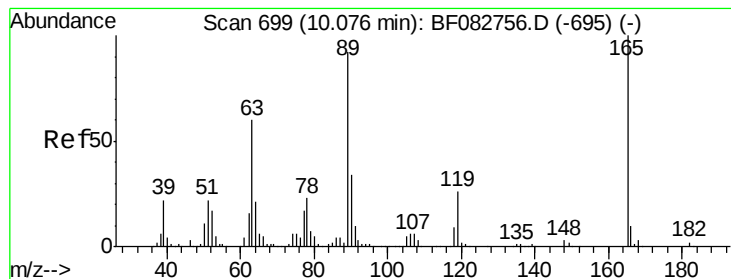
#49
 Dimethylphthalate
 Concen: 18.77 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion:163 Resp: 652417
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.6 4.0
 164 10.6 8.7 13.1



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: 5.43 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.18 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

Tgt Ion:165 Resp: 54608

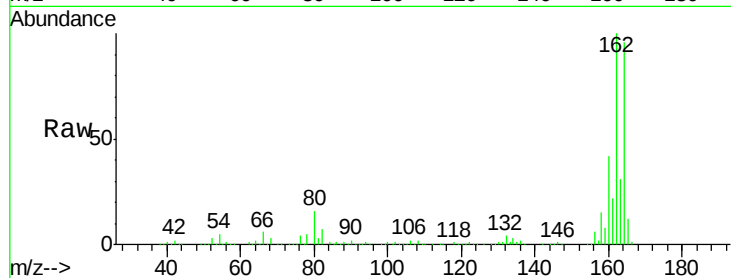
Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

89 1.4 70.6 106.0#

182 0.0 1.5 2.3#

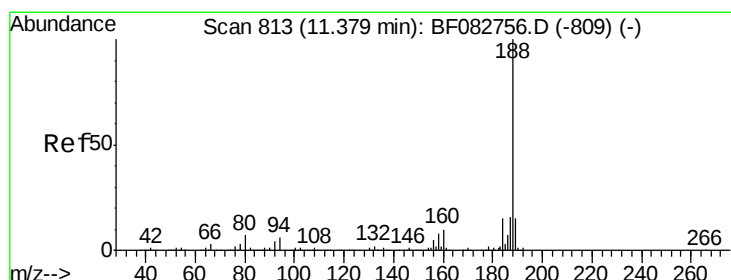
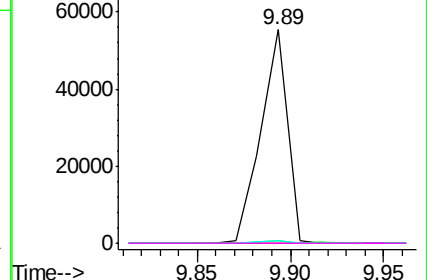
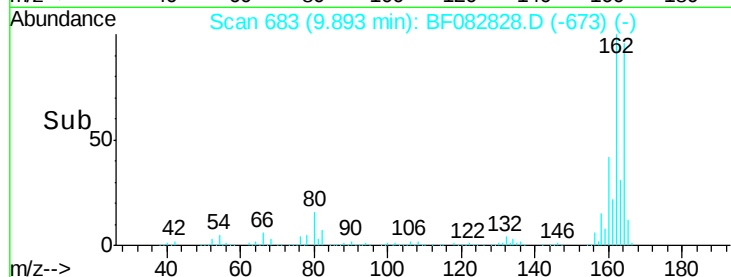


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

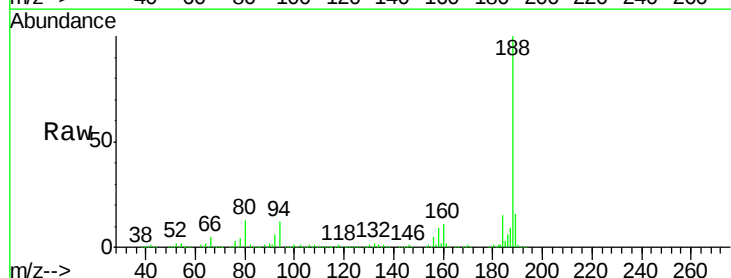
Tgt Ion:188 Resp: 635638

Ion Ratio Lower Upper

188 100

94 11.5 6.1 9.1#

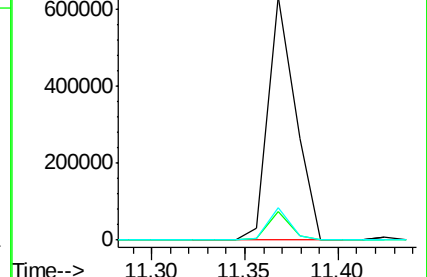
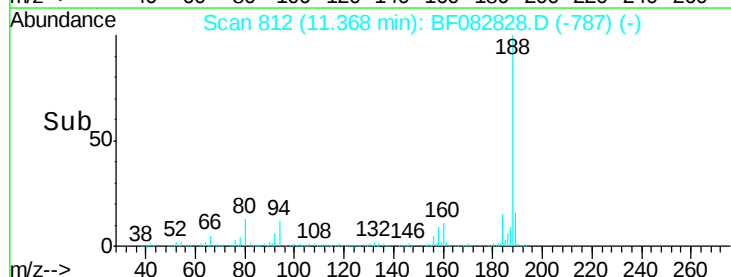
80 13.3 7.0 10.6#

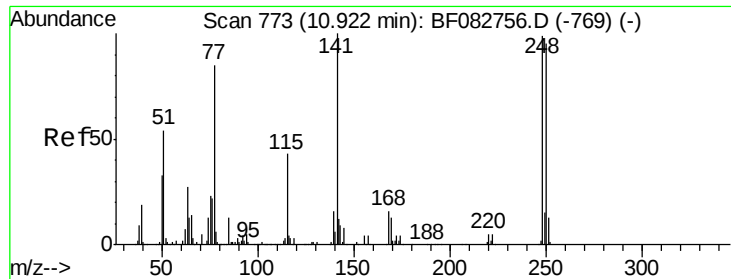


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.61 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

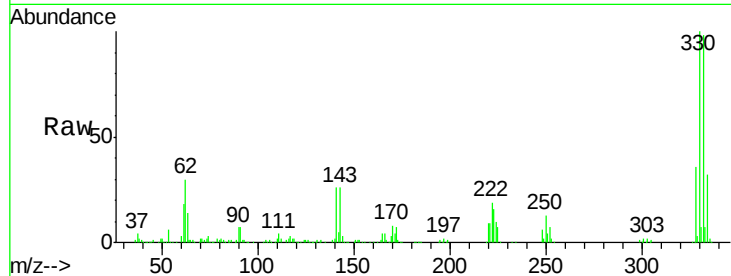
Tgt Ion:248 Resp: 35321

Ion Ratio Lower Upper

248 100

250 202.5 79.4 119.2#

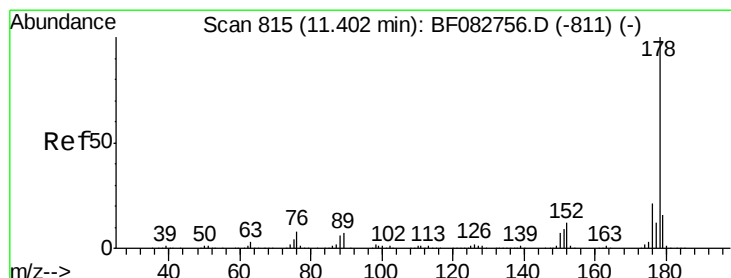
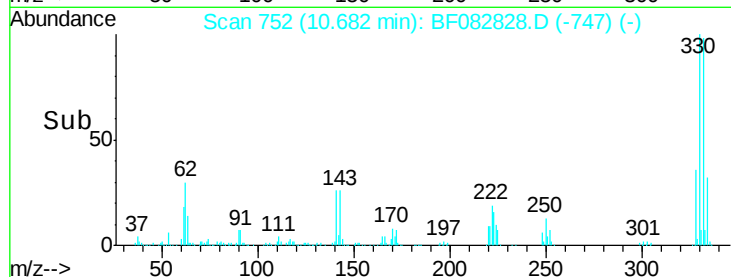
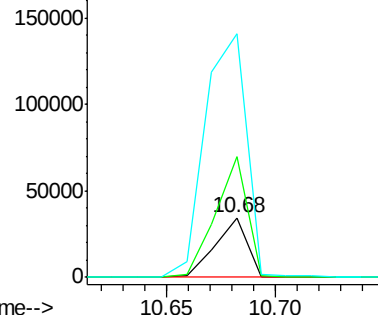
141 407.7 36.3 54.5#



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: 5.51 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

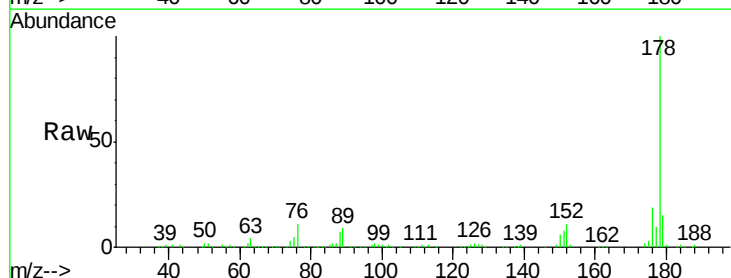
Tgt Ion:178 Resp: 203534

Ion Ratio Lower Upper

178 100

176 18.8 17.0 25.4

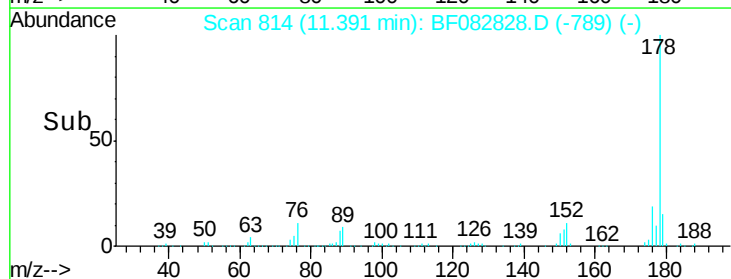
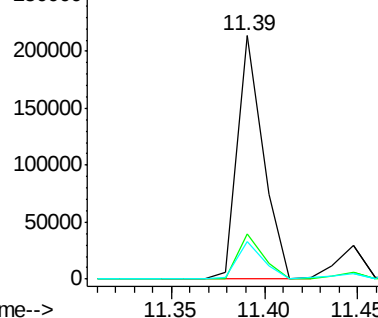
179 15.2 13.4 20.0

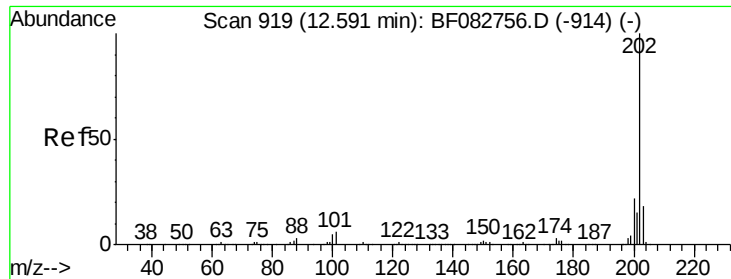


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.52 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

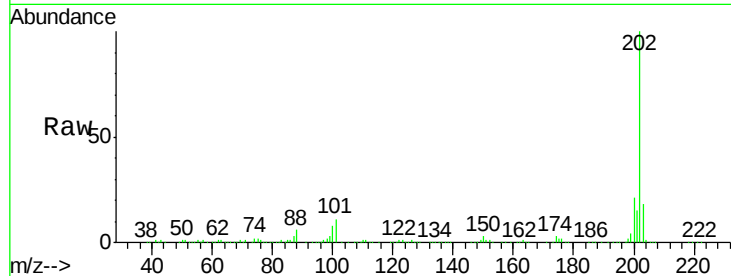
Tgt Ion:202 Resp: 456283

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.5

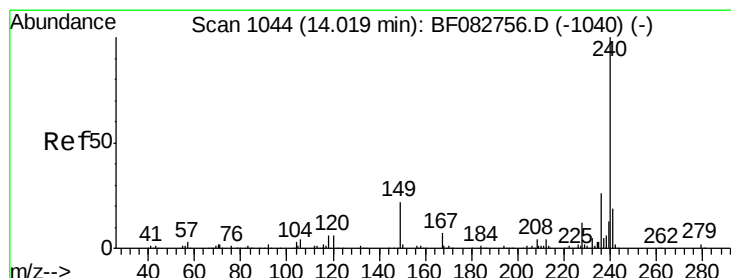
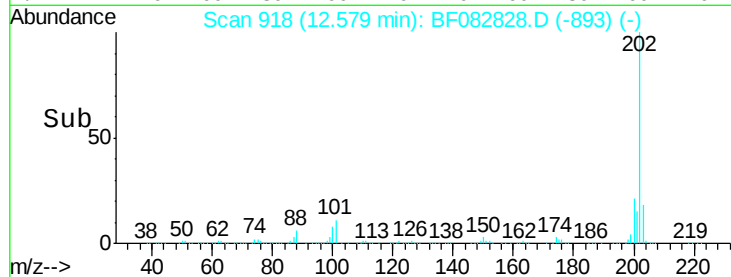
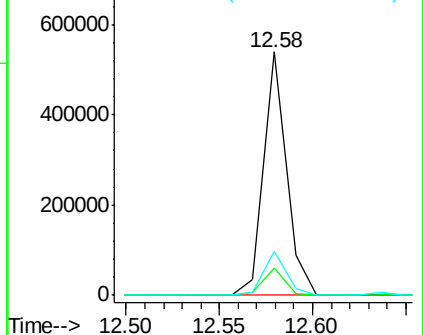
203 17.9 0.0 38.5



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: BF082828.D

Acq: 8 Nov 2015 7:56

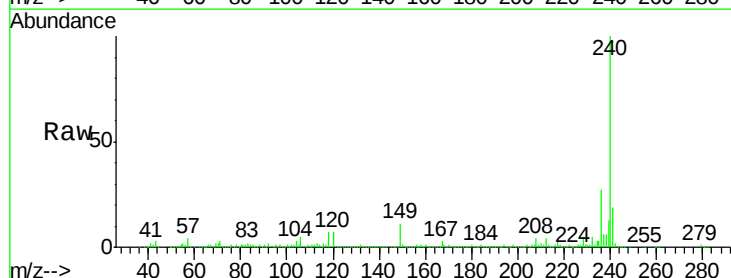
Tgt Ion:240 Resp: 546044

Ion Ratio Lower Upper

240 100

120 7.3 10.9 16.3#

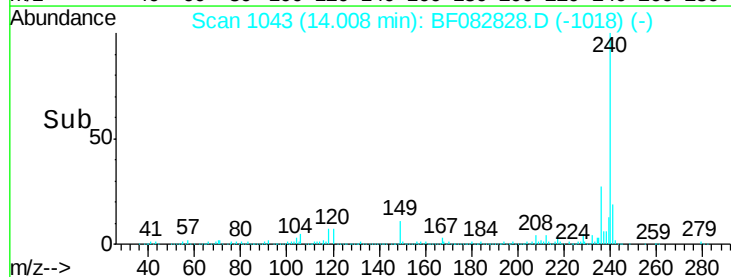
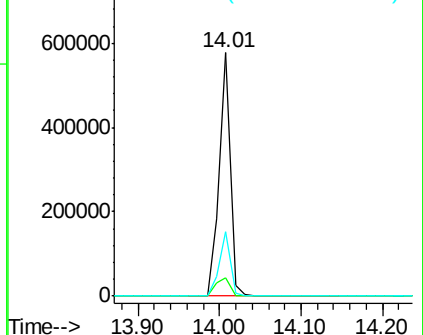
236 26.6 21.6 32.4

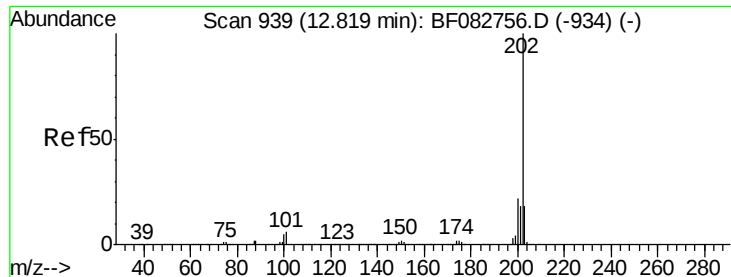


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

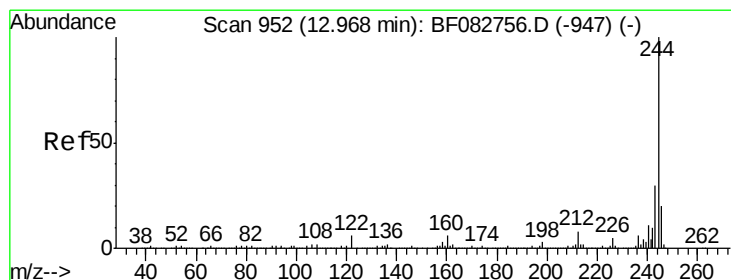
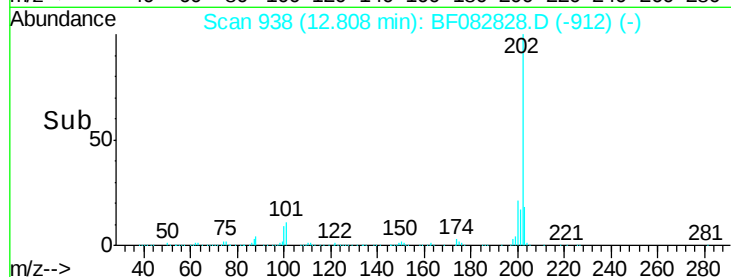
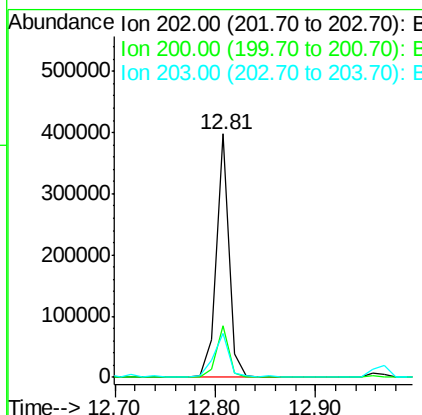
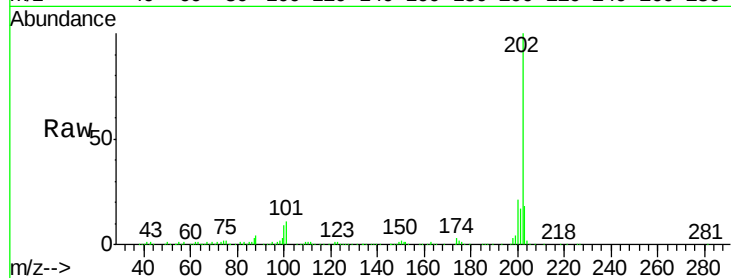




#77
Pyrene
Concen: 9.25 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

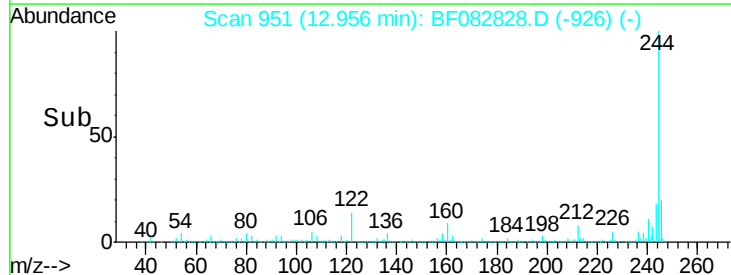
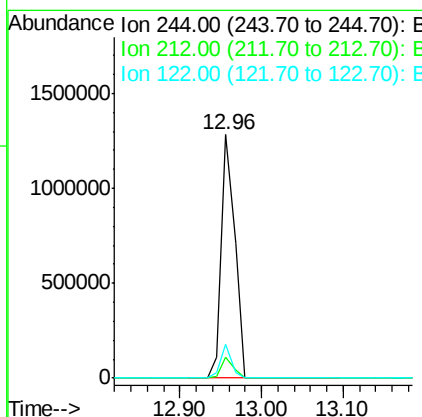
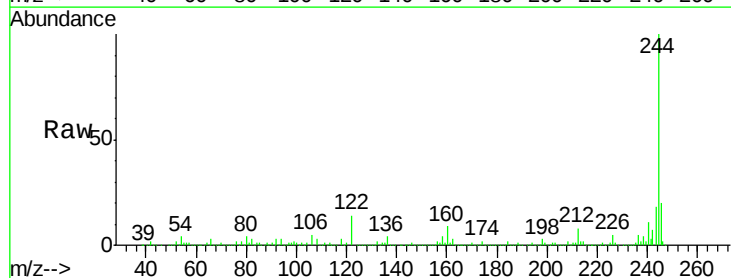
Instrument :
BNA_F
ClientSampleId :
DW4RE

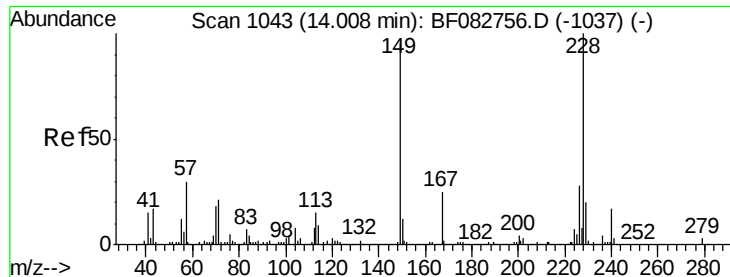
Tgt Ion: 202 Resp: 346976
Ion Ratio Lower Upper
202 100
200 21.4 18.7 28.1
203 18.2 14.8 22.2



#78
Terphenyl-d14
Concen: 63.04 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion: 244 Resp: 1451262
Ion Ratio Lower Upper
244 100
212 8.5 7.6 11.4
122 13.8 11.3 16.9





#80

Benzo(a)anthracene

Concen: 10.90 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.02 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

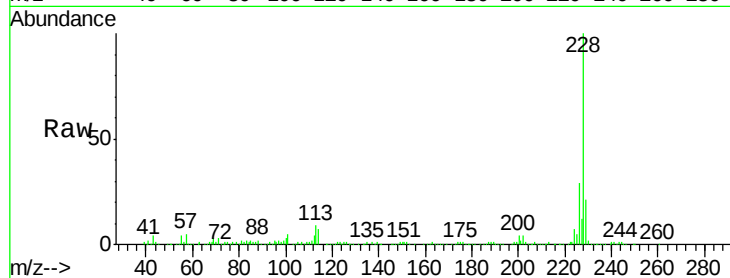
Tgt Ion:228 Resp: 372309

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

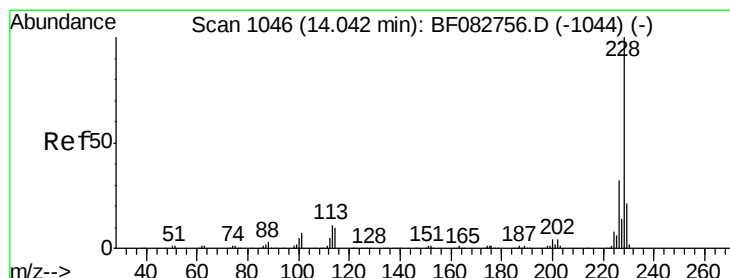
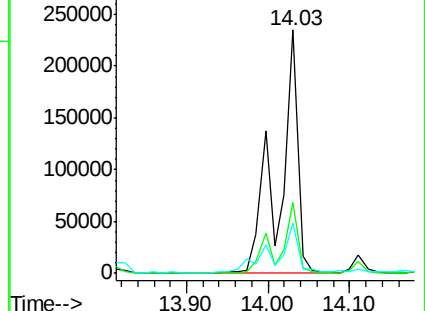
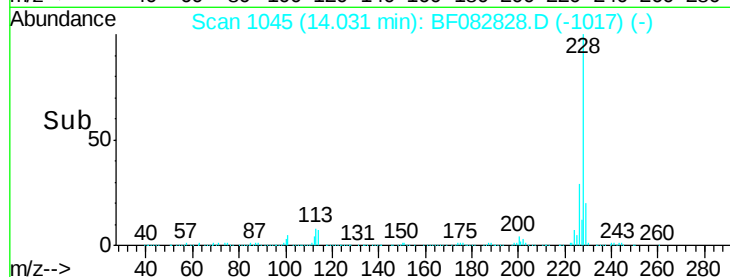
229 20.7 16.3 24.5



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: 11.90 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

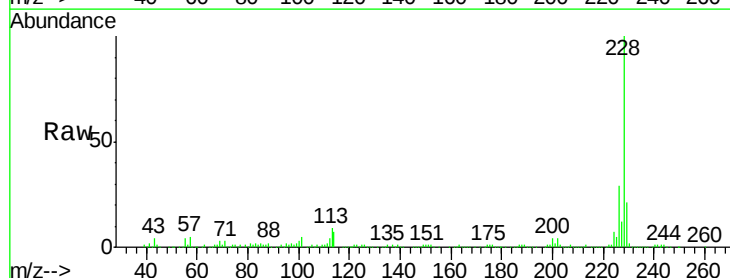
Tgt Ion:228 Resp: 372309

Ion Ratio Lower Upper

228 100

226 28.9 25.5 38.3

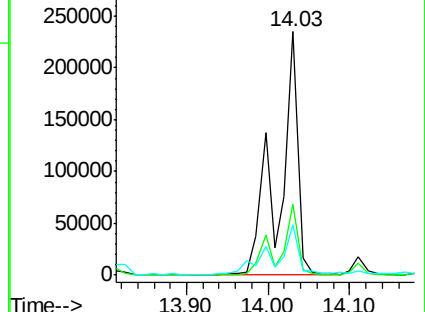
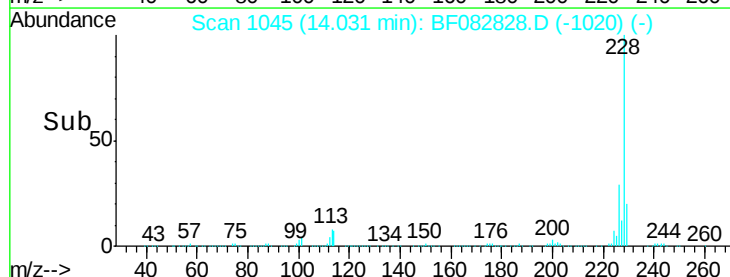
229 20.7 16.3 24.5

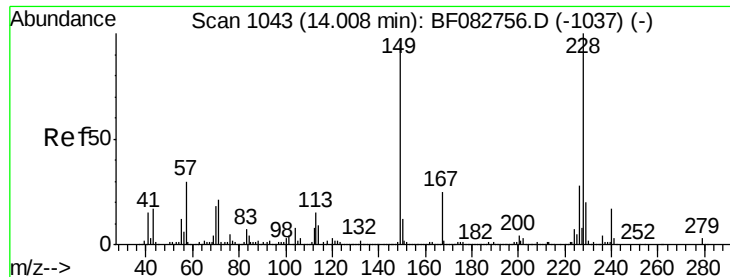


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.92 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

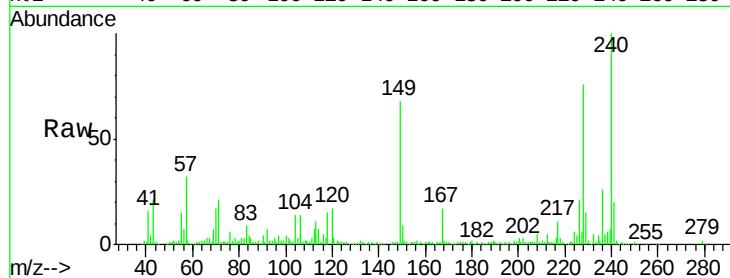
Tgt Ion:149 Resp: 134243

Ion Ratio Lower Upper

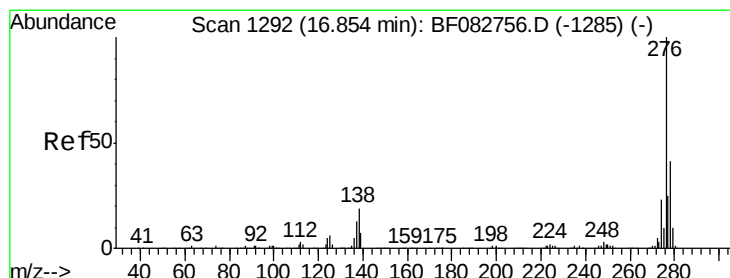
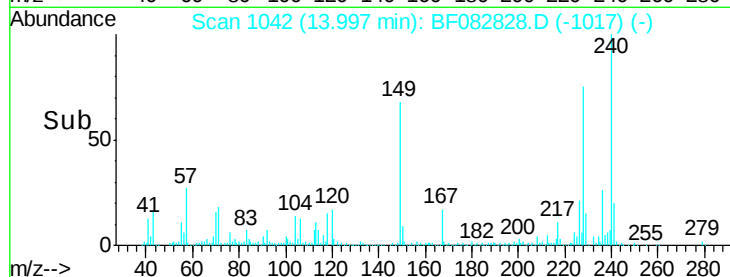
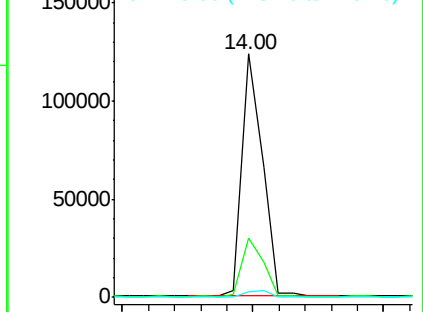
149 100

167 24.4 21.2 31.8

279 2.3 2.2 3.2



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: 2.93 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.03 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

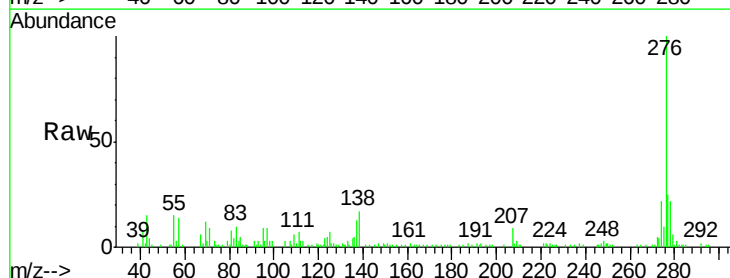
Tgt Ion:276 Resp: 78898

Ion Ratio Lower Upper

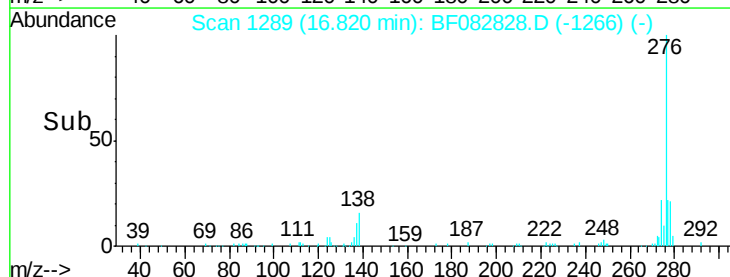
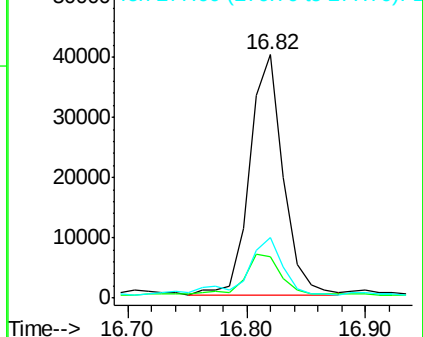
276 100

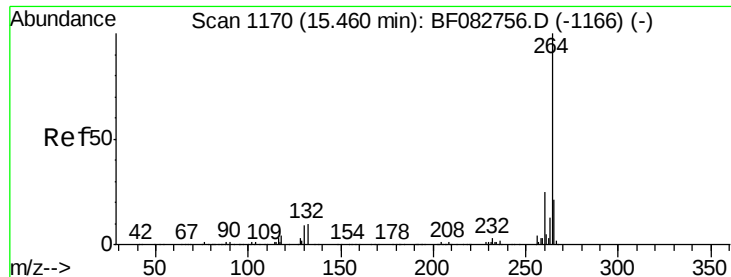
138 18.0 15.3 22.9

277 26.8 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



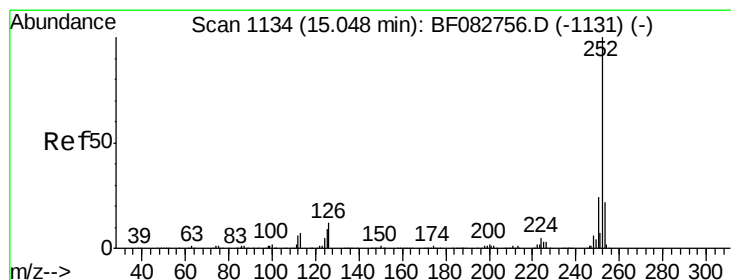
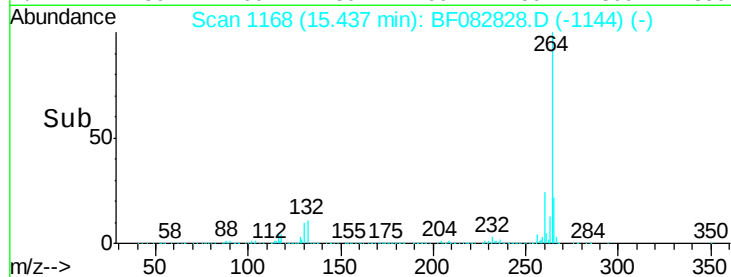
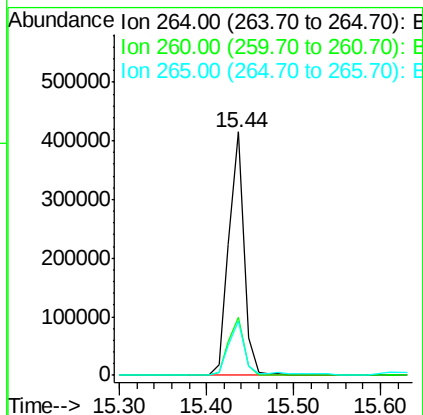
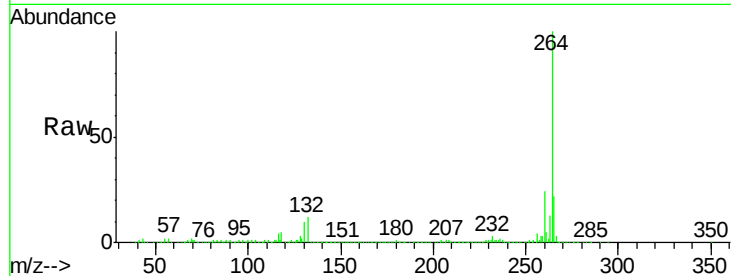


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Instrument :
BNA_F
ClientSampled :
DW4RE

Tgt Ion: 264 Resp: 509130

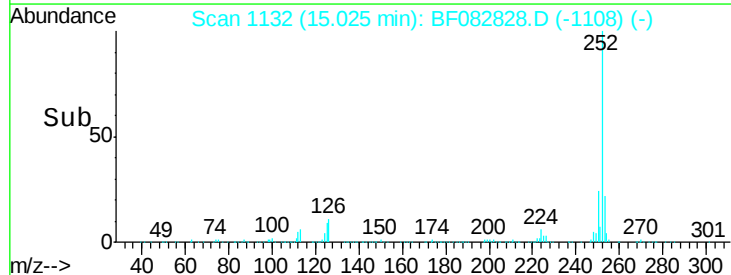
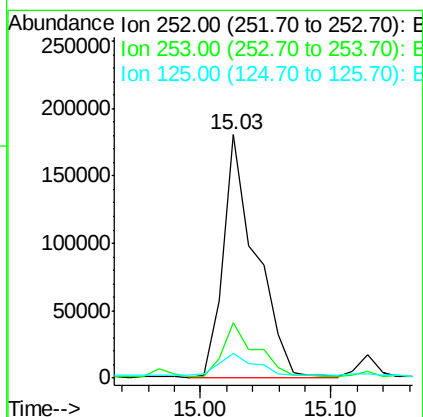
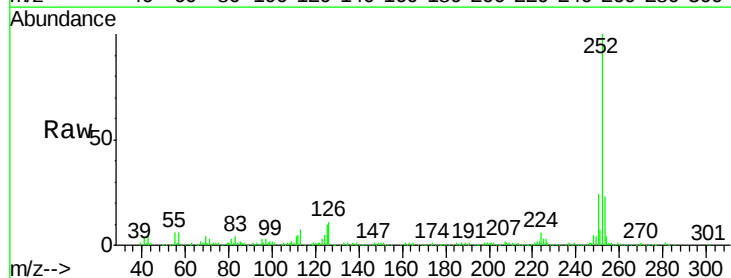
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	22.5	17.4	26.0

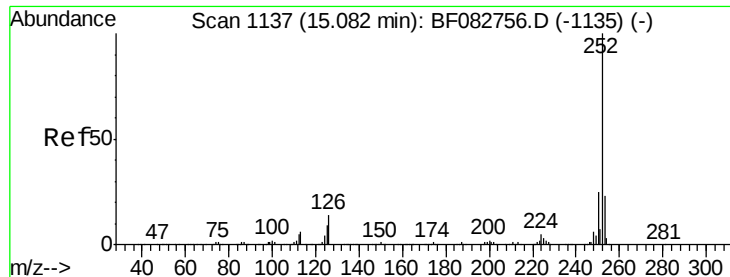


#87
Benzo(b)fluoranthene
Concen: 9.64 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion: 252 Resp: 314930

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.0	5.4	8.2





#88

Benzo(k)fluoranthene

Concen: 10.86 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.06 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

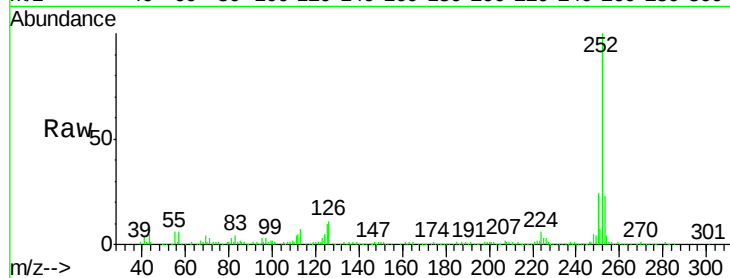
Tgt Ion:252 Resp: 314930

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

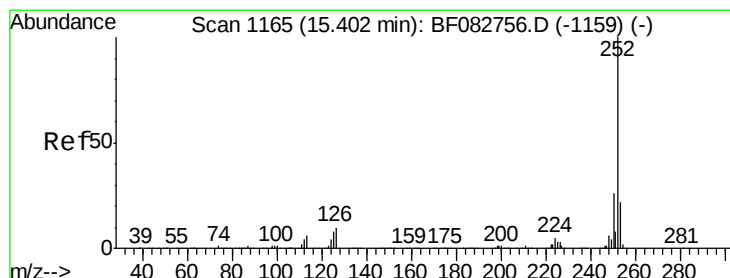
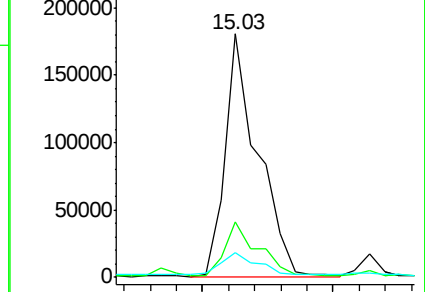
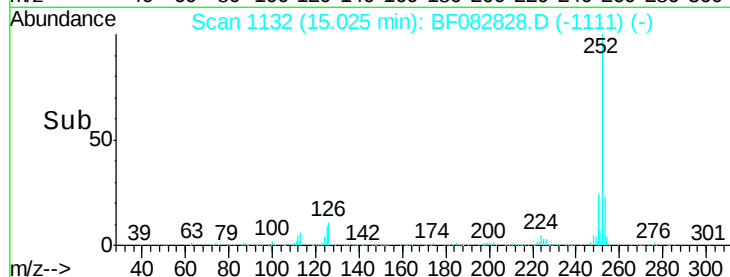
125 10.0 3.5 5.3#



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



#89

Benzo(a)pyrene

Concen: 3.90 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

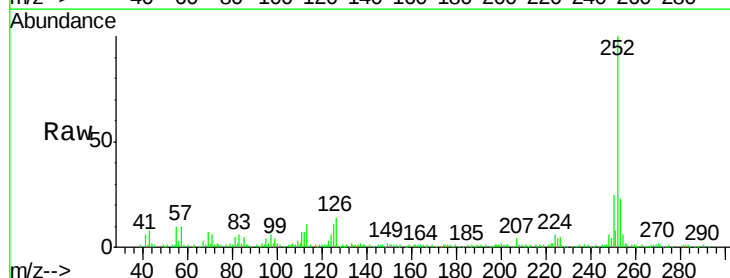
Tgt Ion:252 Resp: 110322

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

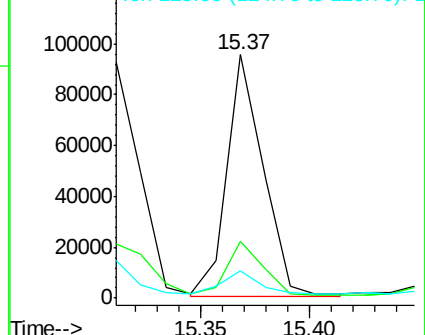
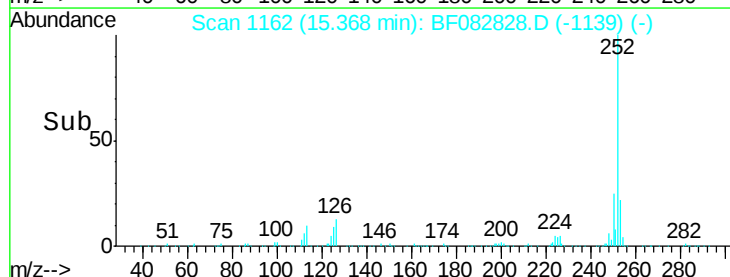
125 11.4 7.1 10.7#

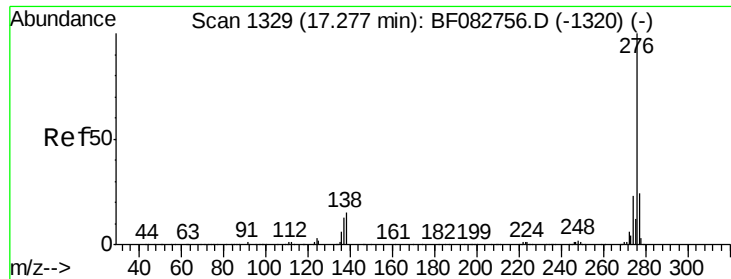


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

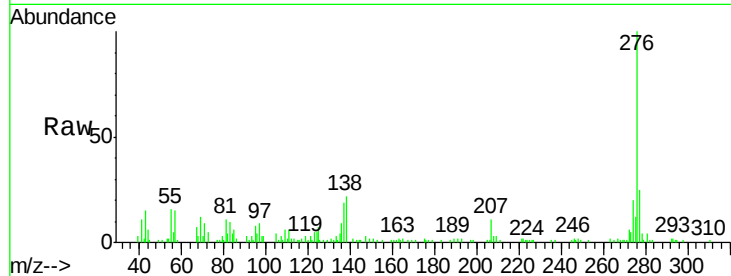




#91
 Benzo(g,h,i)perylene
 Concen: 3.12 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.03 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	22.1	13.1	19.7



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

