

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082214.D
 Acq On : 11 Oct 2015 10:08
 Operator : UM/IZ
 Sample : G3928-06RE
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

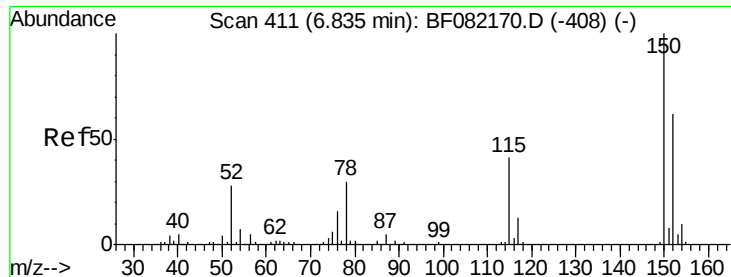
Quant Time: Oct 12 03:07:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	84143	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	337955	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	149673	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	243899	20.00	ng	0.00
75) Chrysene-d12	14.01	240	214042	20.00	ng	0.00
86) Perylene-d12	15.44	264	172583	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	574840	137.88	ng	0.01
7) Phenol-d6	6.48	99	760447	140.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	355178	70.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	160244	114.16	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	742161	82.23	ng	-0.01
78) Terphenyl-d14	12.96	244	573517	71.00	ng	0.00

Target Compounds						Qvalue
15) Benzyl Alcohol	6.99	79	7703	2.06	ng	# 48
19) n-Nitroso-di-n-propylamine	7.41	70	47187	12.38	ng	# 80
31) Naphthalene	8.15	128	51673	3.53	ng	99
37) 2-Methylnaphthalene	8.94	142	26687	2.63	ng	97
49) Dimethylphthalate	9.60	163	183156	17.38	ng	99
55) 4-Nitrophenol	10.08	139	460	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.89	165	18985	6.83	ng	# 22
66) 4-Bromophenyl-phenylether	10.67	248	10945	4.48	ng	# 1
70) Phenanthrene	11.40	178	25692	2.15	ng	98
74) Fluoranthene	12.58	202	32091	2.50	ng	96
77) Pyrene	12.81	202	44788	3.53	ng	97
80) Benzo(a)anthracene	14.04	228	43585	3.91	ng	94
82) Chrysene	14.04	228	43585	3.71	ng	97
83) Bis(2-ethylhexyl)phthalate	13.98	149	92772	11.22	ng	# 99
87) Benzo(b)fluoranthene	15.03	252	47393	4.51	ng	98
88) Benzo(k)fluoranthene	15.03	252	47393	5.37	ng	# 95
89) Benzo(a)pyrene	15.38	252	27755	3.08	ng	98
91) Benzo(g,h,i)perylene	17.27	276	15745	2.19	ng	97

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

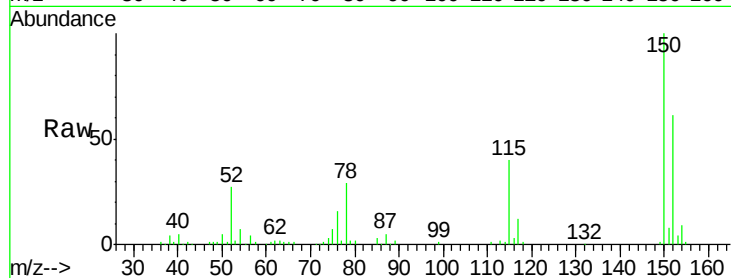


#1

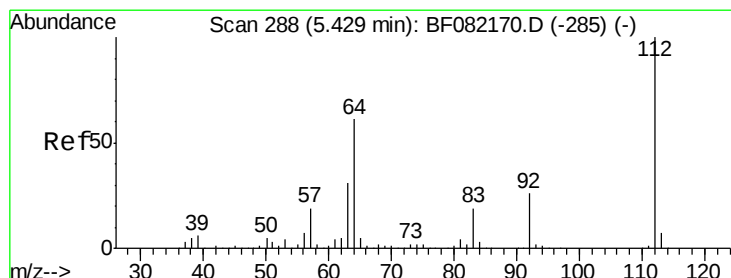
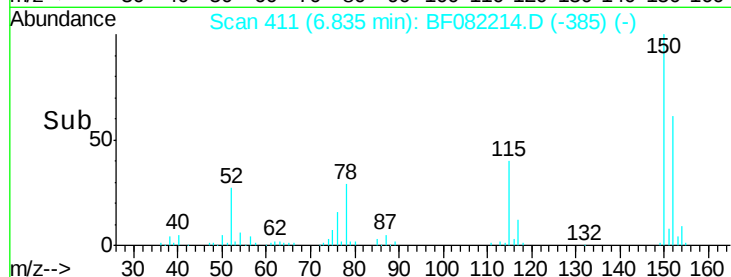
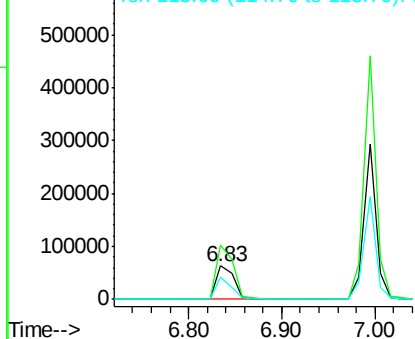
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84143
Ion Ratio Lower Upper
152 100
150 162.8 129.0 193.4
115 65.0 52.1 78.1



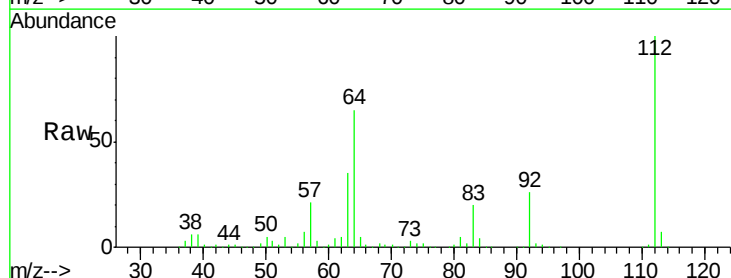
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



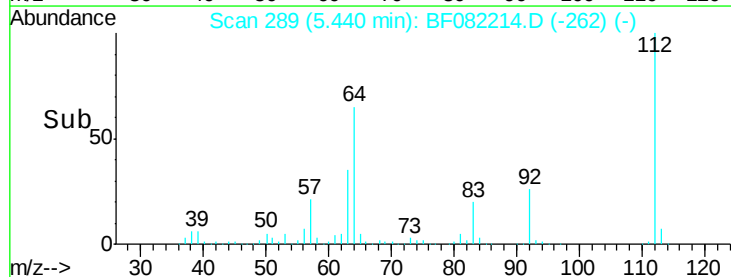
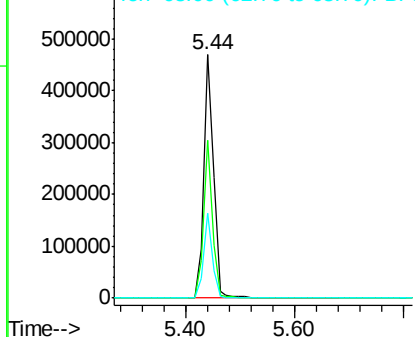
#5

2-Fluorophenol
Concen: 137.88 ng
RT: 5.44 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Tgt Ion:112 Resp: 574840
Ion Ratio Lower Upper
112 100
64 65.0 48.6 73.0
63 34.7 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: 140.16 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampleId :

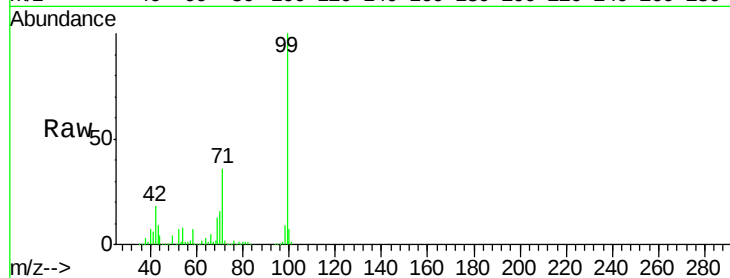
Tot Ion: 99 Resp: 760447

Ion Ratio Lower Upper

99 100

42 18.5 13.2 19.8

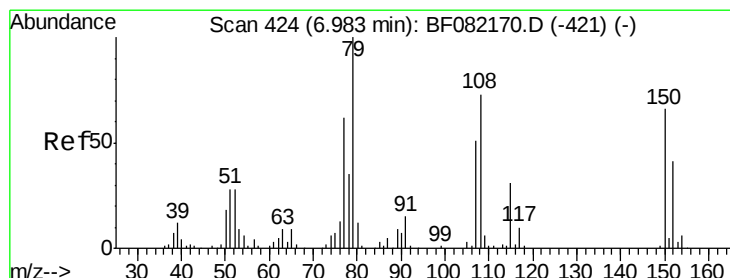
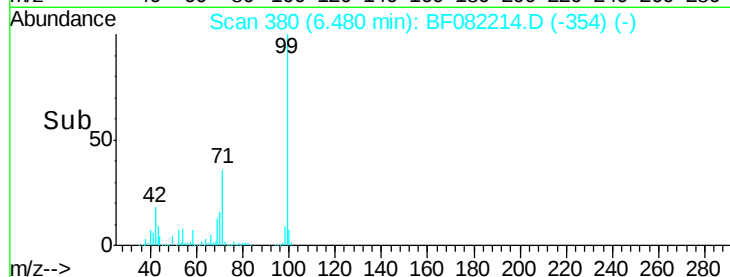
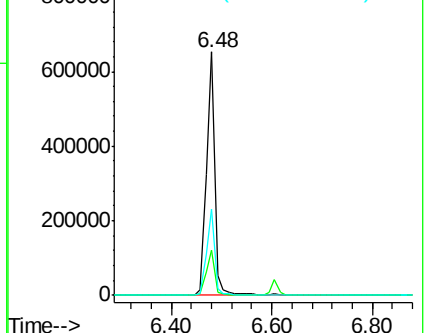
71 35.6 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.99 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

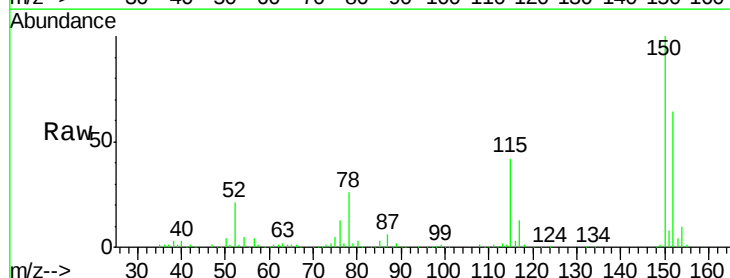
Tgt Ion: 79 Resp: 7703

Ion Ratio Lower Upper

79 100

108 29.7 58.4 87.6#

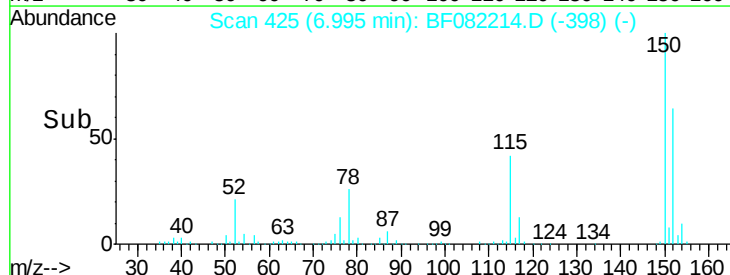
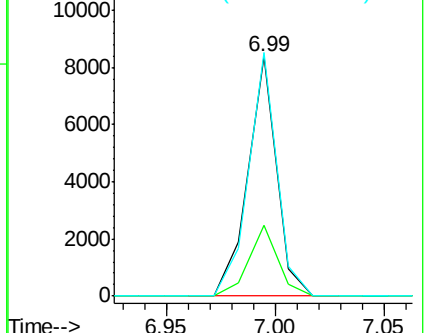
77 101.8 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.38 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47187

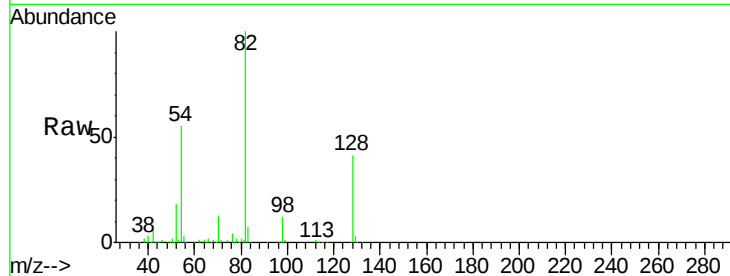
Ion Ratio Lower Upper

70 100

42 46.4 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#

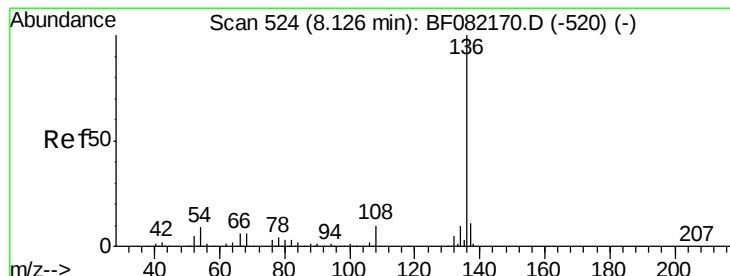
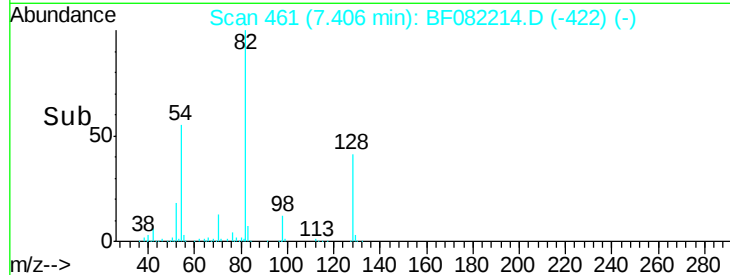
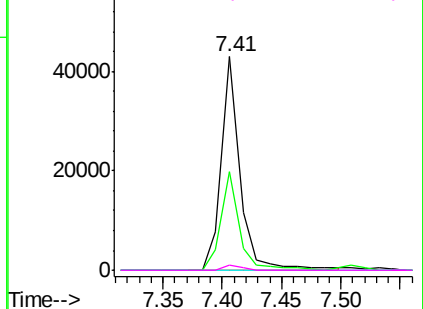


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Tgt Ion: 136 Resp: 337955

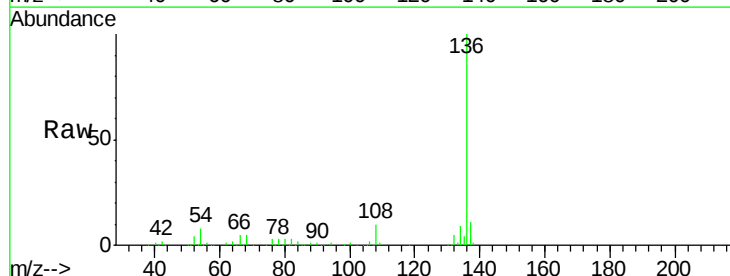
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.0 7.5 11.3

68 5.2 4.6 7.0

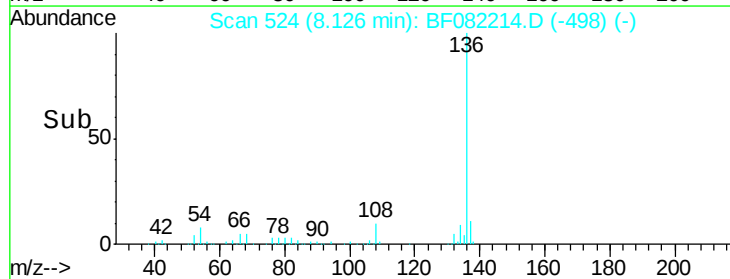
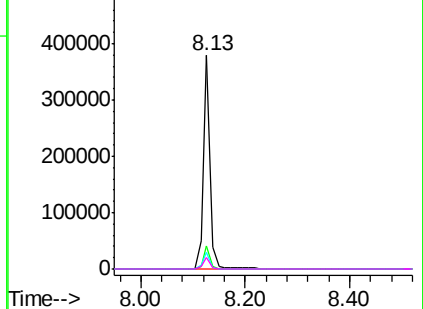


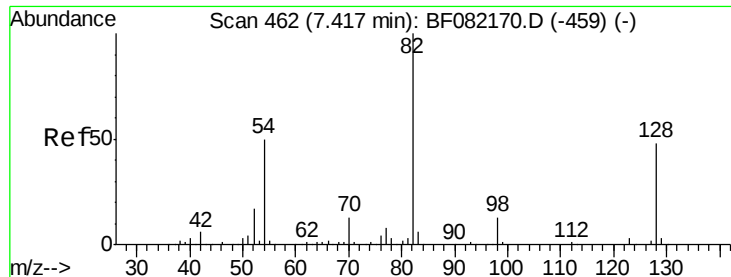
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 70.58 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampled :

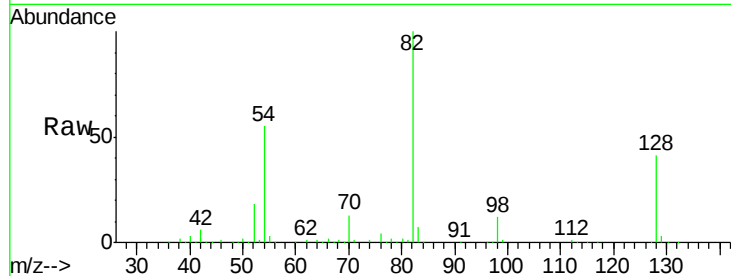
Tot Ion: 82 Resp: 355178

Ion Ratio Lower Upper

82 100

128 41.5 38.7 58.1

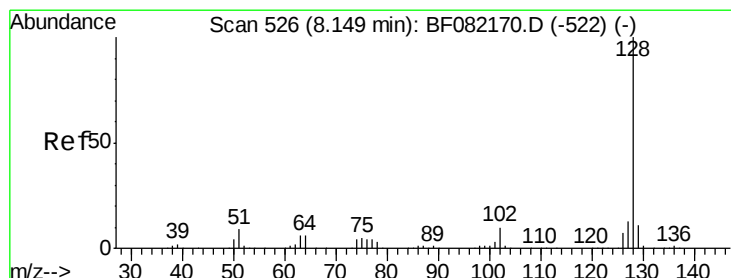
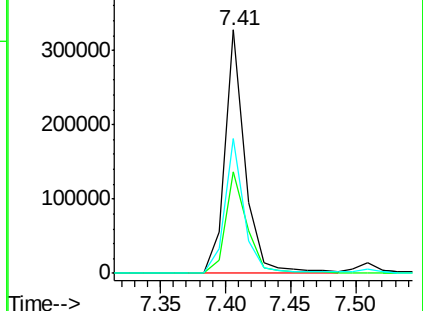
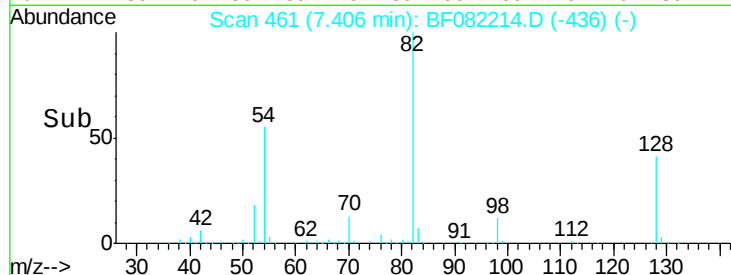
54 55.2 40.1 60.1



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



#31

Naphthalene

Concen: 3.53 ng

RT: 8.15 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

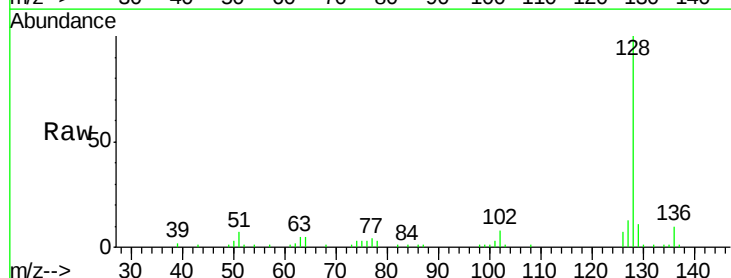
Tgt Ion: 128 Resp: 51673

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

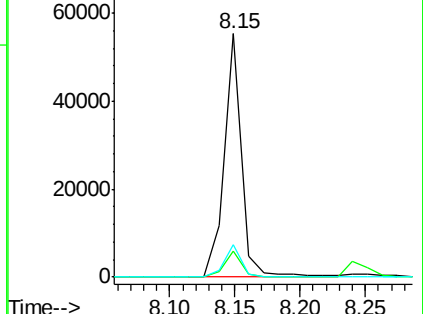
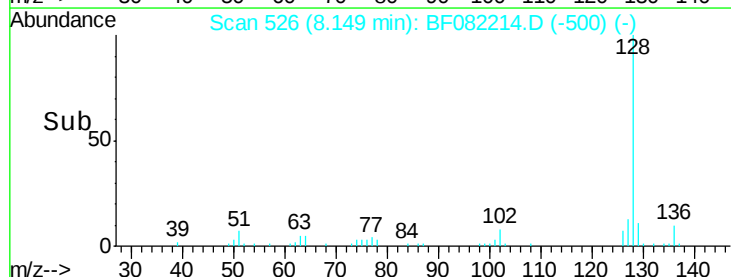
127 13.1 10.7 16.1

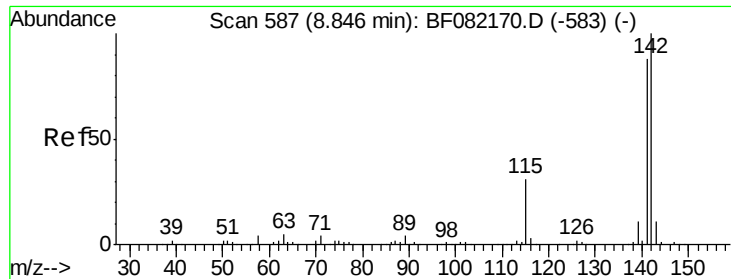


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

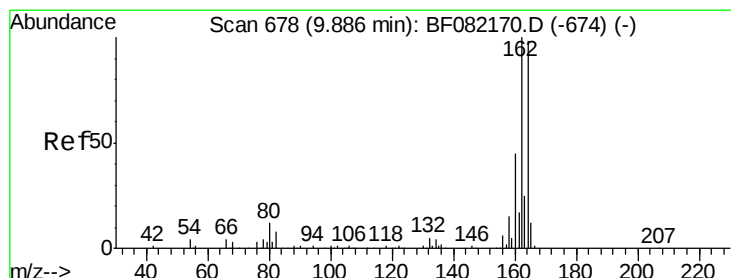
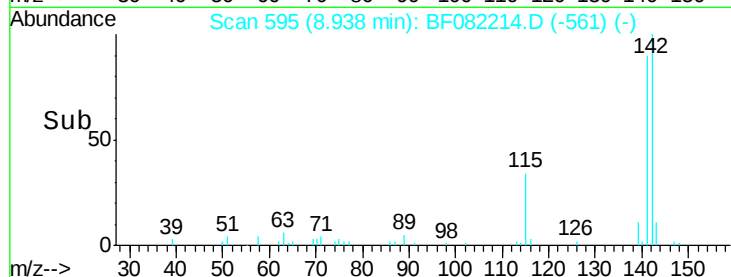
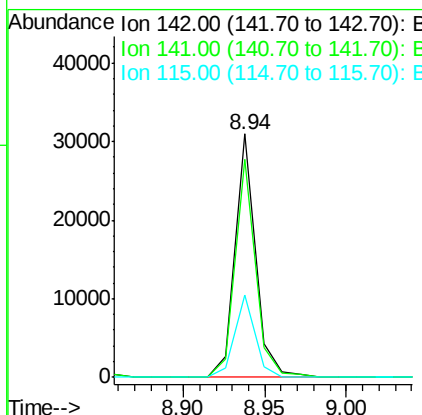
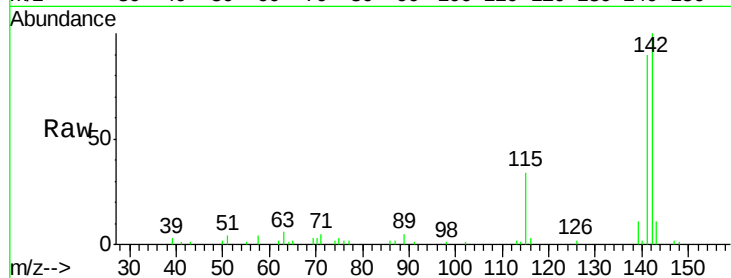




#37
 2-Methylnaphthalene
 Concen: 2.63 ng
 RT: 8.94 min Scan# 595
 Delta R.T. 0.09 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

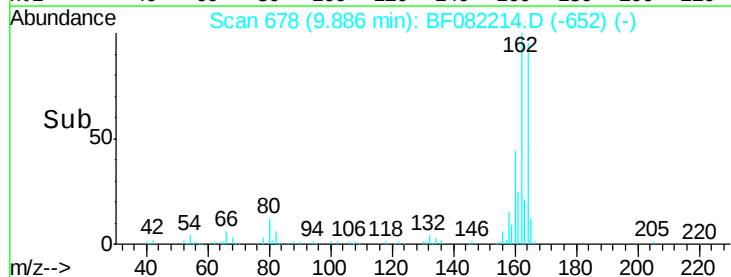
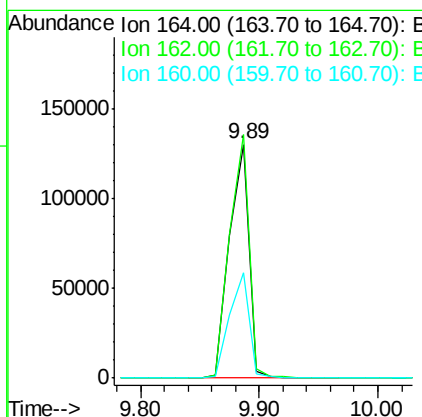
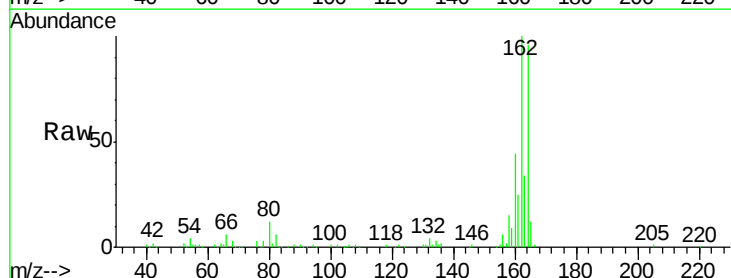
Instrument :
 BNA_F
 ClientSampleId :

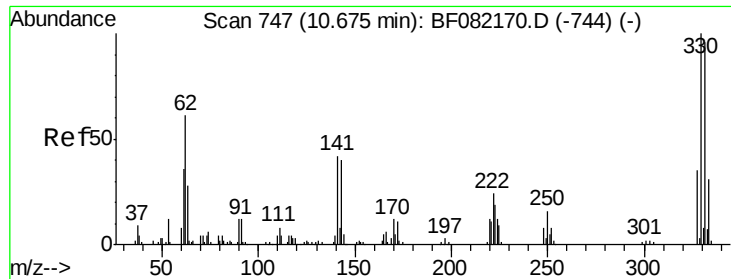
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.4	105.6
115	33.9	24.6	37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.6	122.4
160	45.3	36.4	54.6

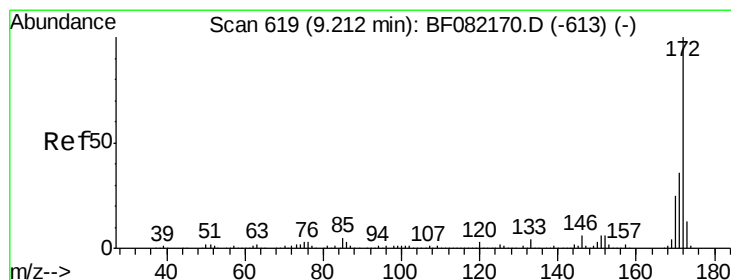
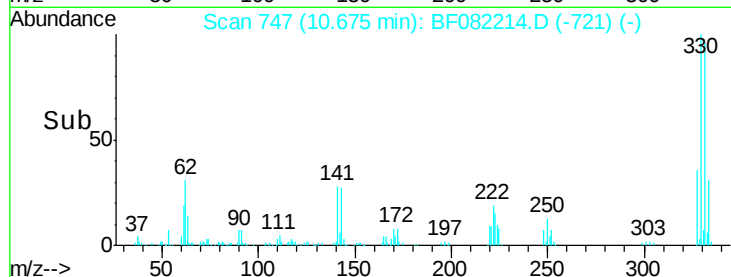
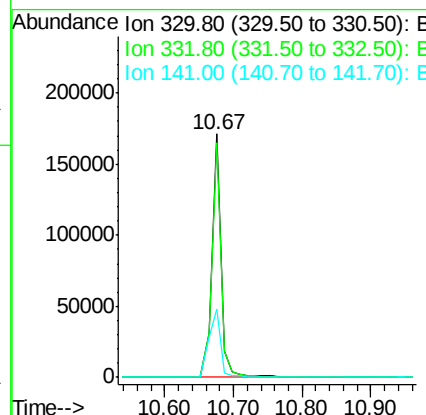
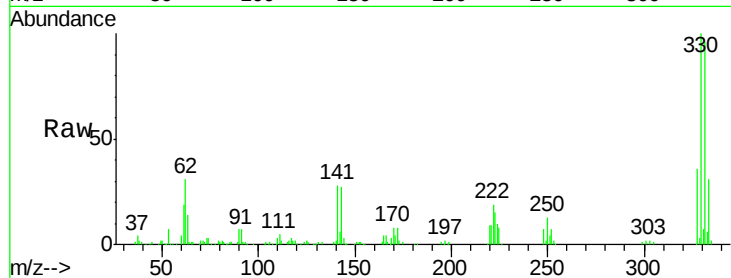




#41
 2,4,6-Tribromophenol
 Concen: 114.16 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

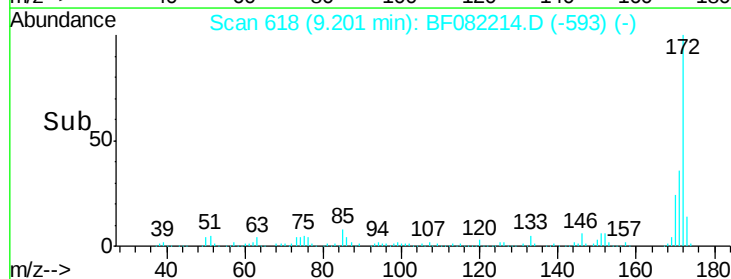
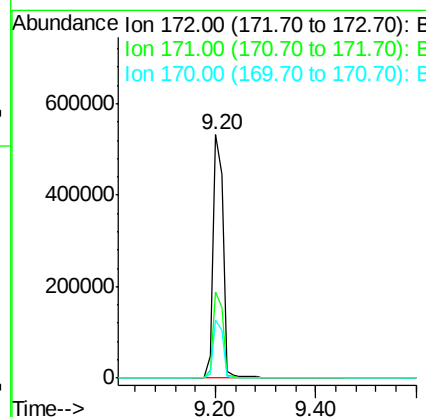
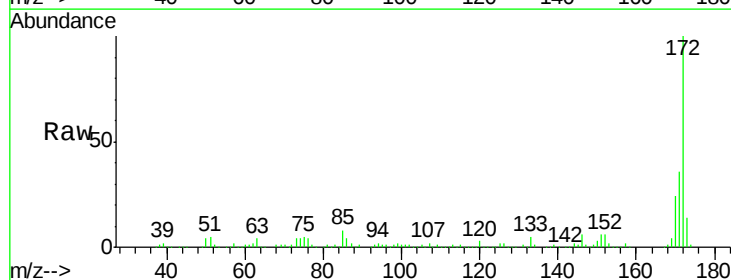
Instrument :
 BNA_F
 ClientSampleId :

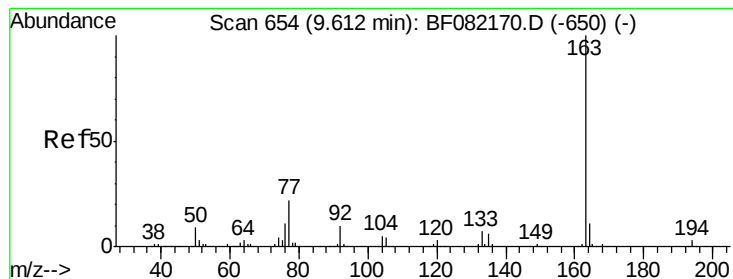
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	35.4	29.8	44.8



#44
 2-Fluorobiphenyl
 Concen: 82.23 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.0	19.7	29.5





#49

Dimethylphthalate

Concen: 17.38 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampleId :

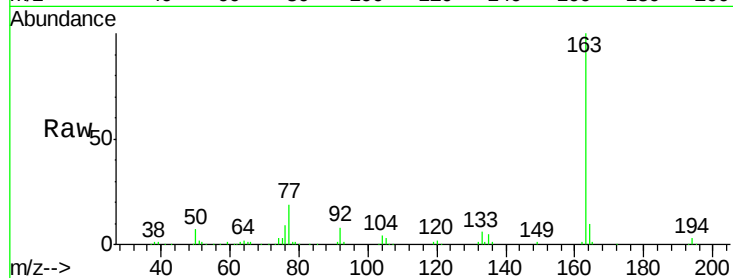
Tot Ion:163 Resp: 183156

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

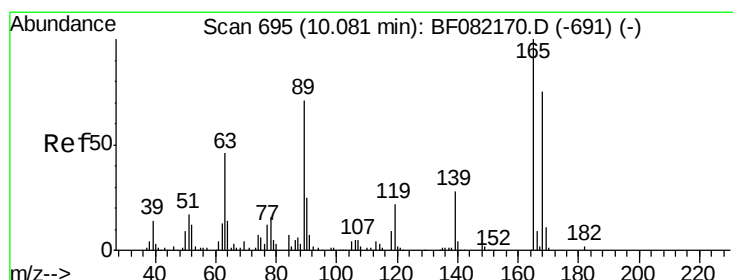
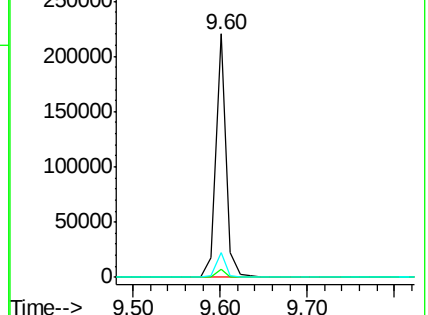
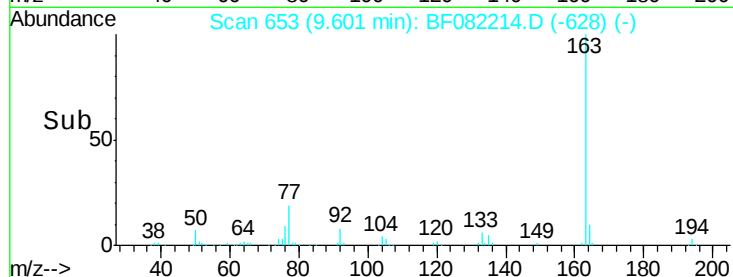
164 10.2 8.5 12.7



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: 6.83 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.19 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

Tgt Ion:165 Resp: 18985

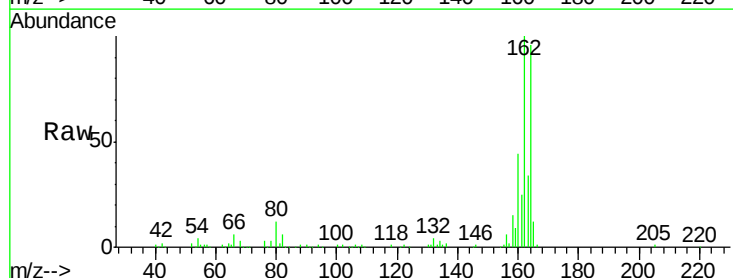
Ion Ratio Lower Upper

165 100

63 2.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

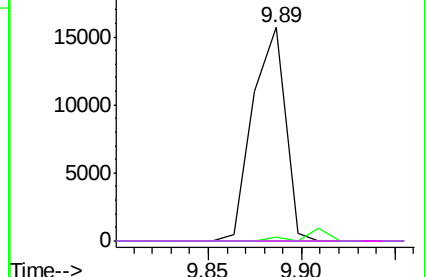
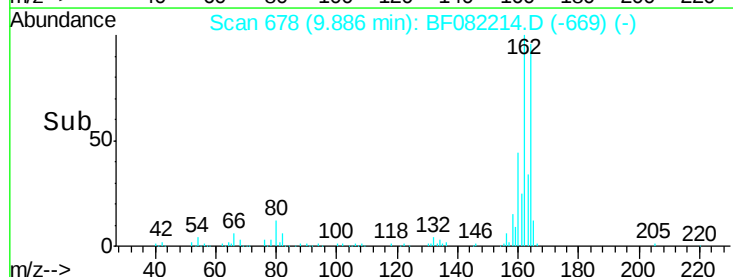


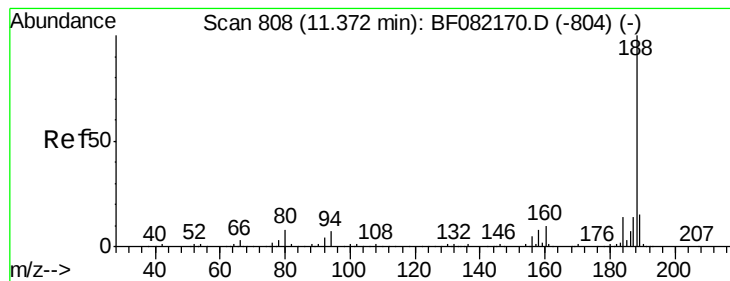
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampled :

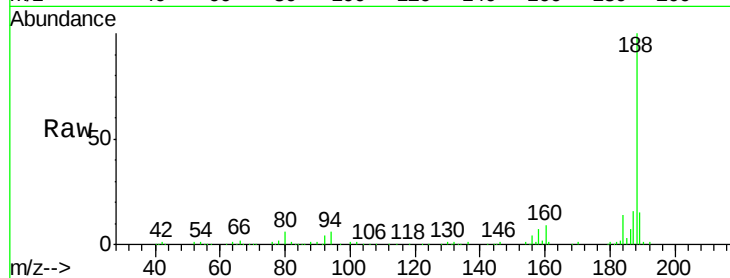
Tot Ion:188 Resp: 243899

Ion Ratio Lower Upper

188 100

94 6.0 5.8 8.6

80 6.4 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

250000

200000

150000

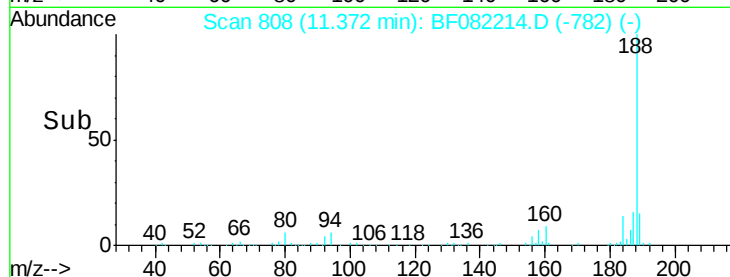
100000

50000

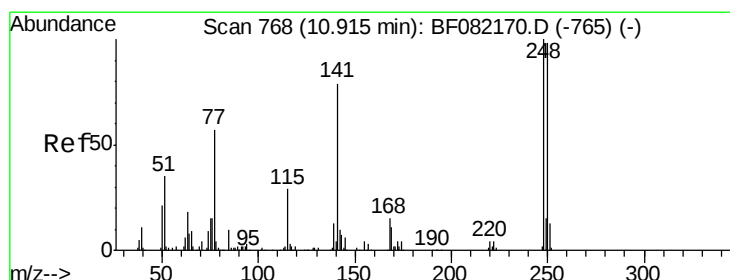
0

11.37

11.20 11.40 11.60



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.48 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

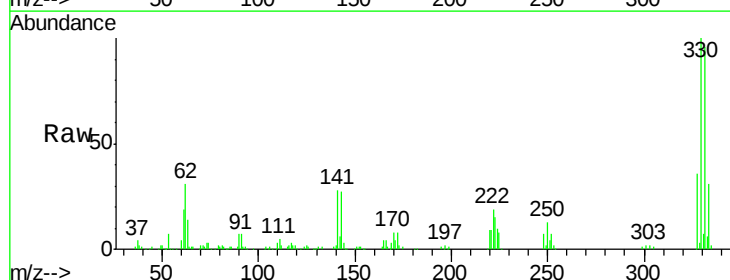
Tgt Ion:248 Resp: 10945

Ion Ratio Lower Upper

248 100

250 195.1 78.6 117.8#

141 410.0 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

60000

50000

40000

30000

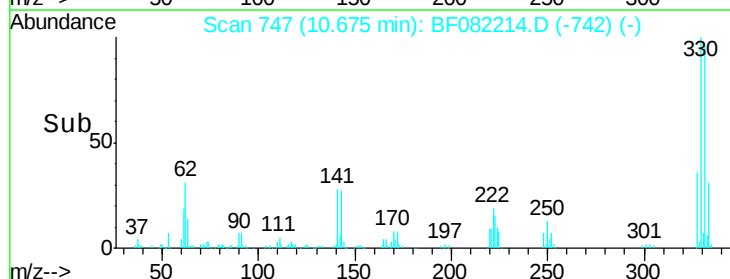
20000

10000

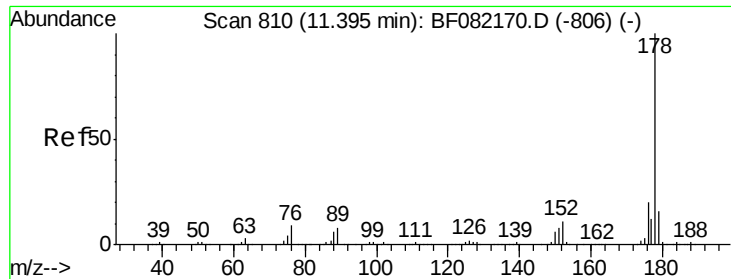
0

10.67

10.65 10.70



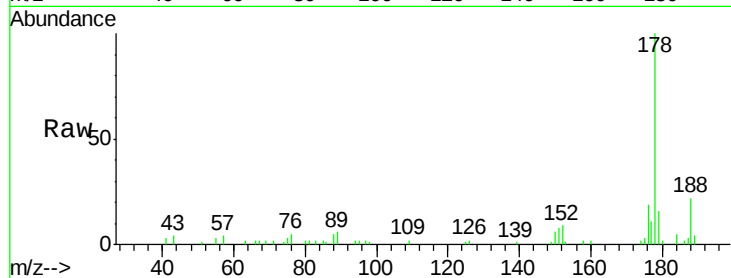
Time-->



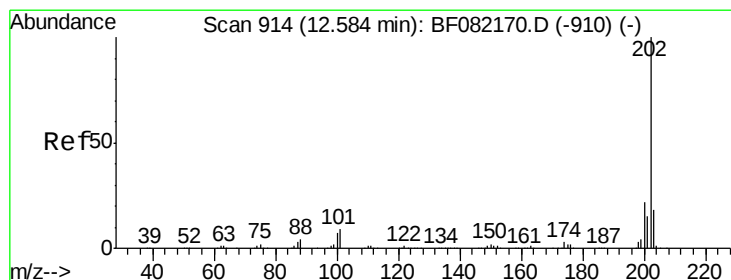
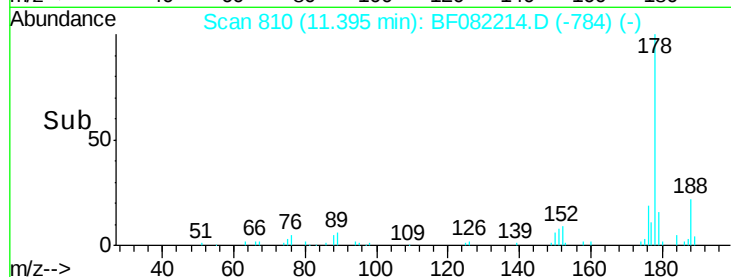
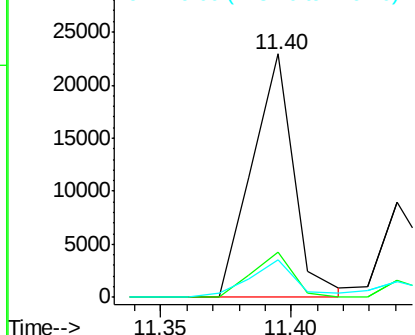
#70
Phenanthrene
Concen: 2.15 ng
RT: 11.40 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 25692
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.6 12.6 19.0

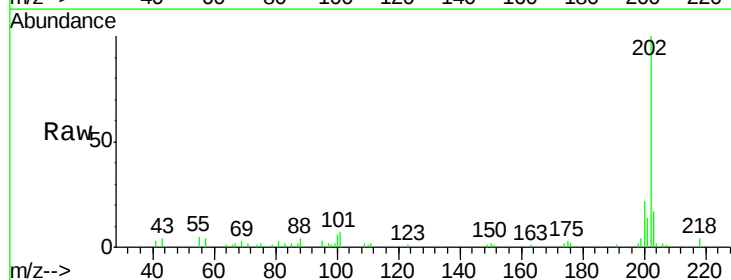


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

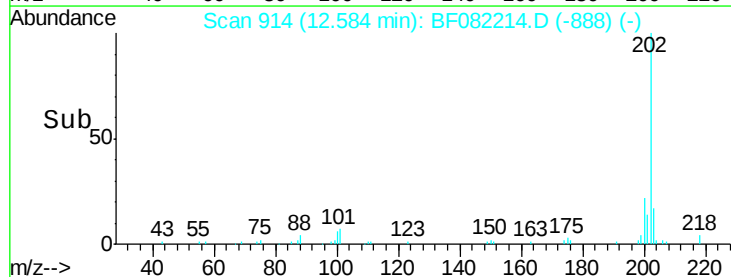
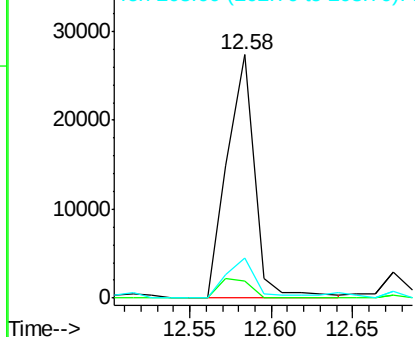


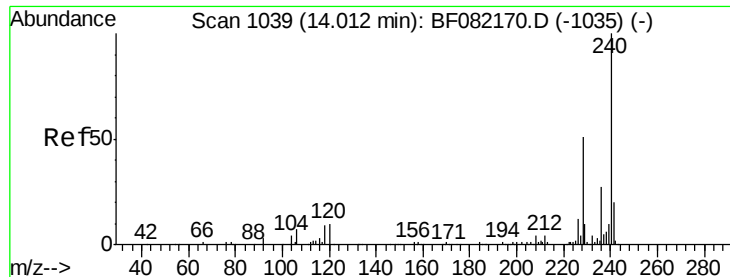
#74
Fluoranthene
Concen: 2.50 ng
RT: 12.58 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Tgt Ion:202 Resp: 32091
Ion Ratio Lower Upper
202 100
101 6.8 0.0 29.3
203 16.5 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: BF082214.D

Acq: 11 Oct 2015 10:08

Instrument :

BNA_F

ClientSampleId :

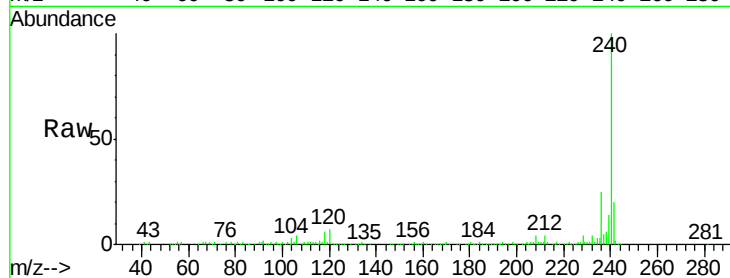
Tot Ion:240 Resp: 214042

Ion Ratio Lower Upper

240 100

120 6.6 8.1 12.1#

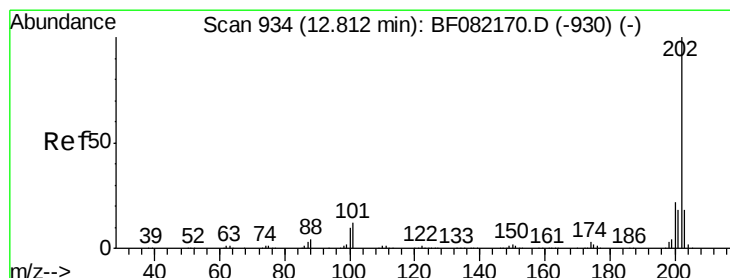
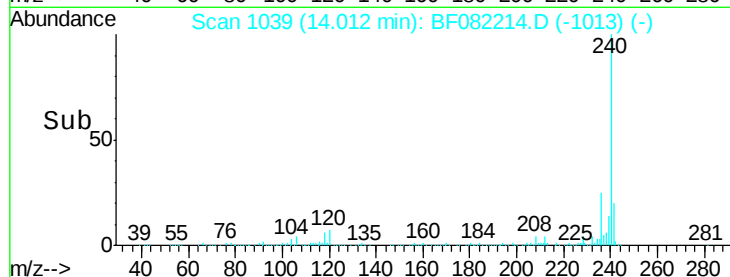
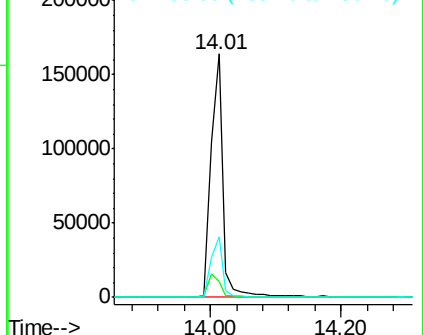
236 25.0 21.3 31.9



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: 3.53 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082214.D

Acq: 11 Oct 2015 10:08

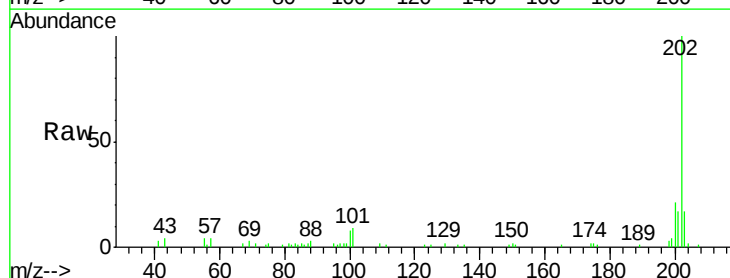
Tgt Ion:202 Resp: 44788

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

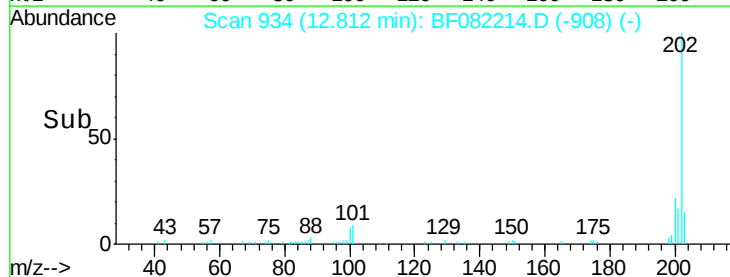
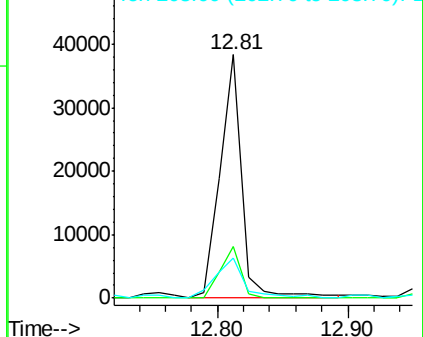
203 16.6 14.5 21.7

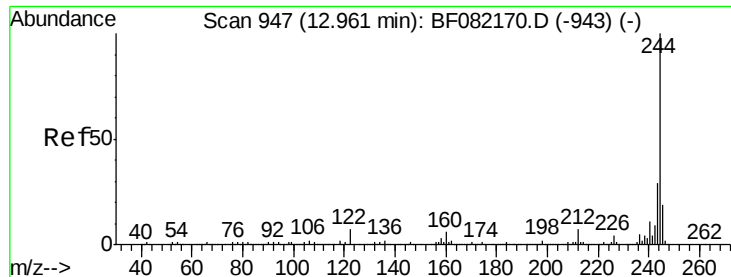


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

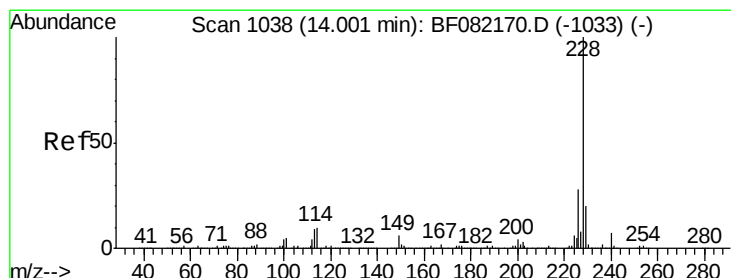
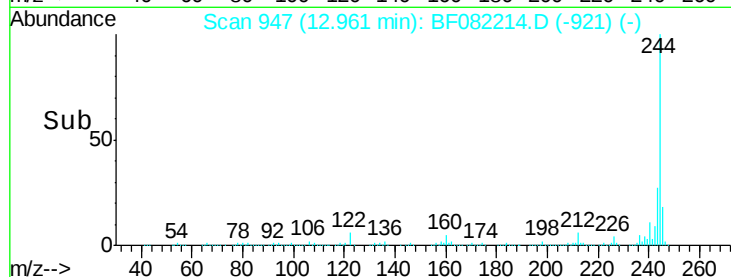
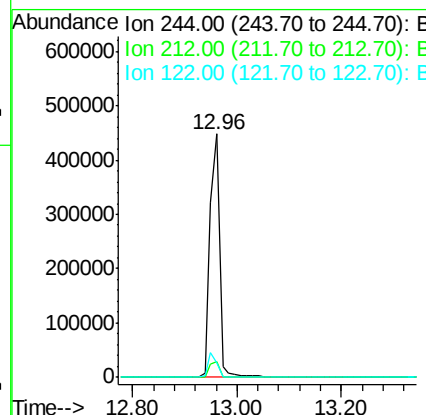
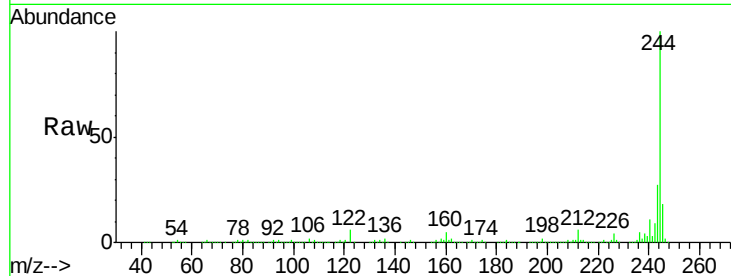




#78
 Terphenyl-d14
 Concen: 71.00 ng
 RT: 12.96 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

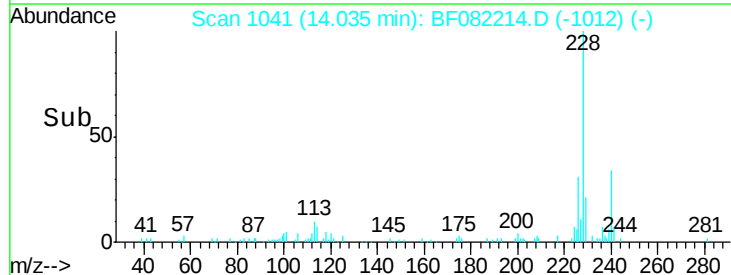
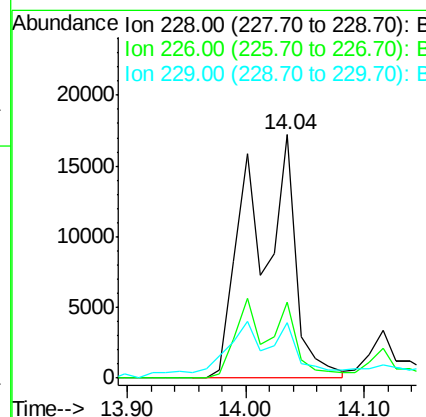
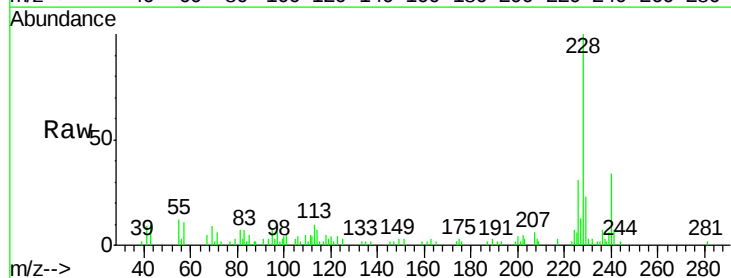
Instrument :
 BNA_F
 ClientSampleId :

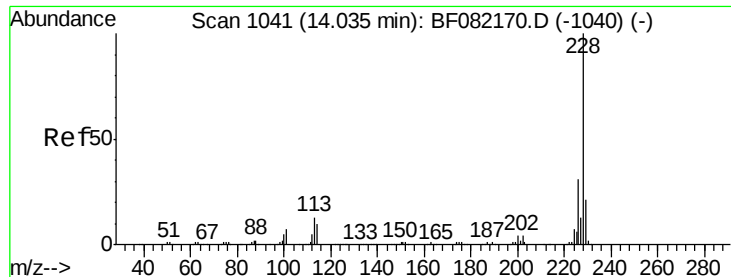
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.6
122	5.8	5.9	8.9#



#80
 Benzo(a)anthracene
 Concen: 3.91 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.3	33.5
229	23.0	16.2	24.2

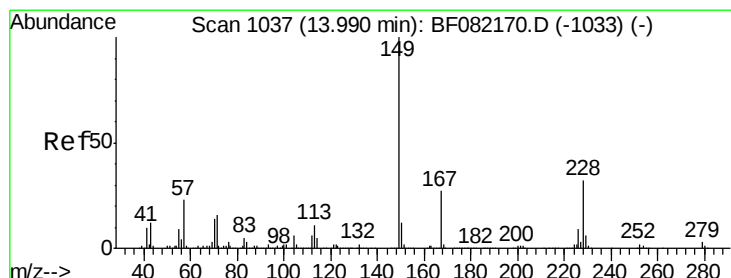
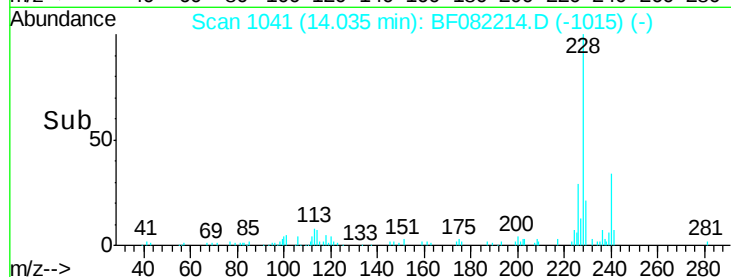
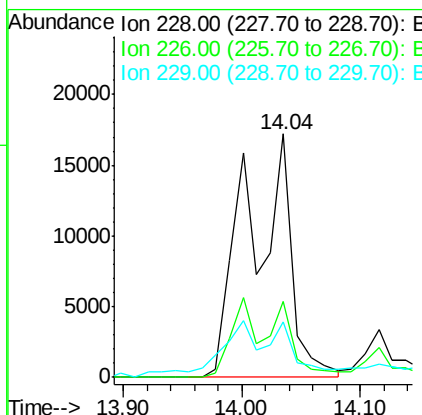
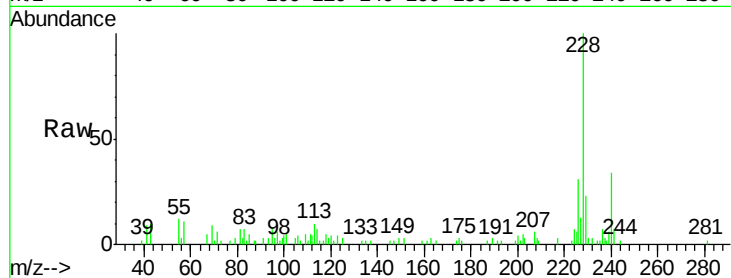




#82
 Chrvsene
 Concen: 3.71 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

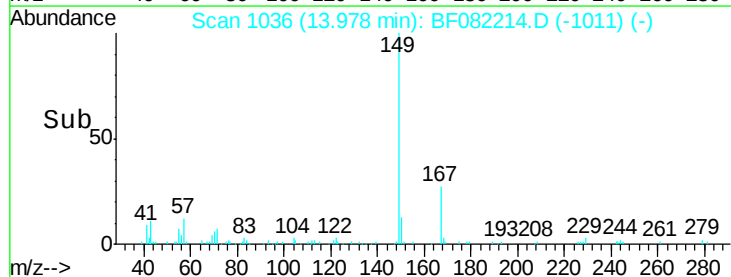
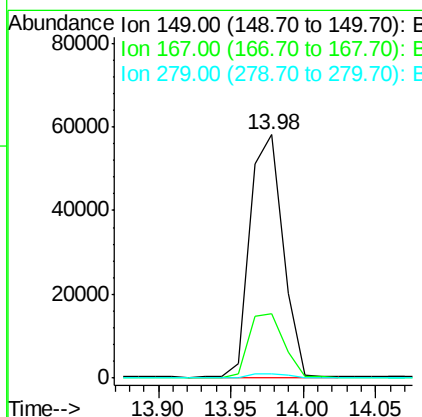
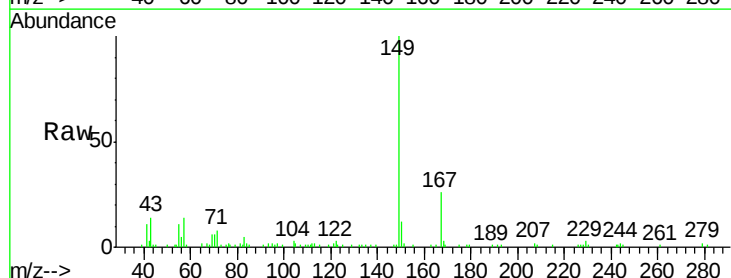
Instrument :
 BNA_F
 ClientSampleId :

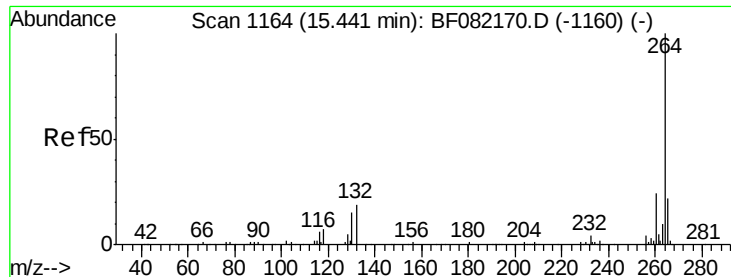
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	23.0	16.3	24.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 11.22 ng
 RT: 13.98 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.3	31.9
279	2.0	2.6	4.0#

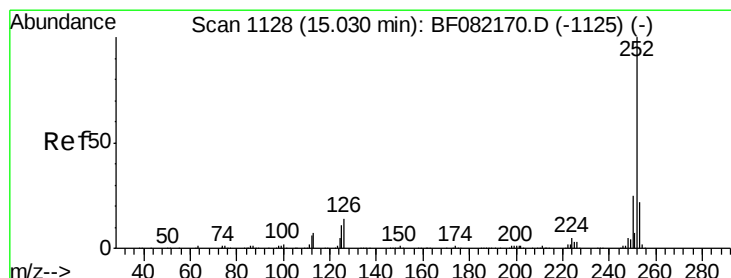
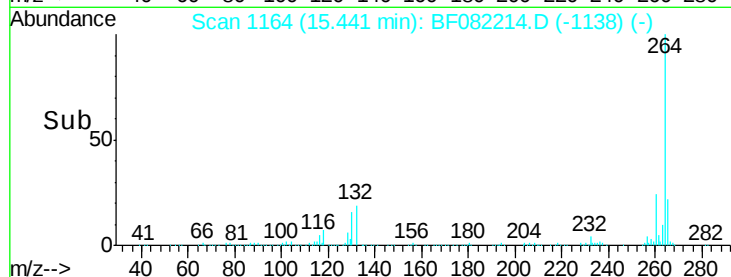
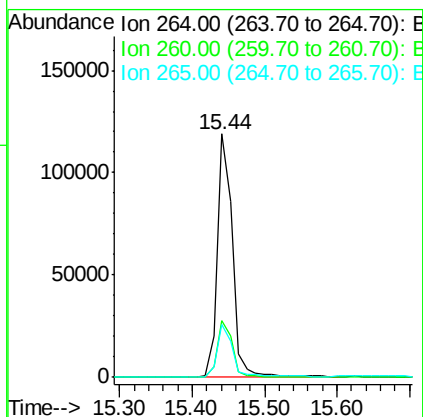
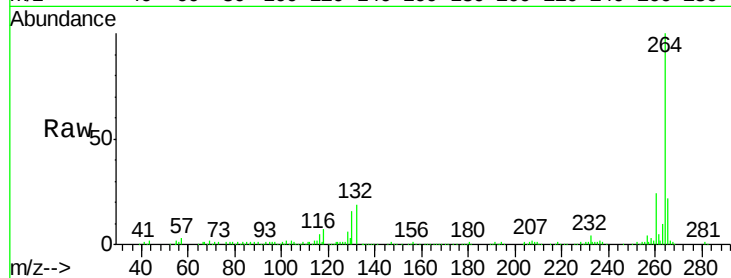




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

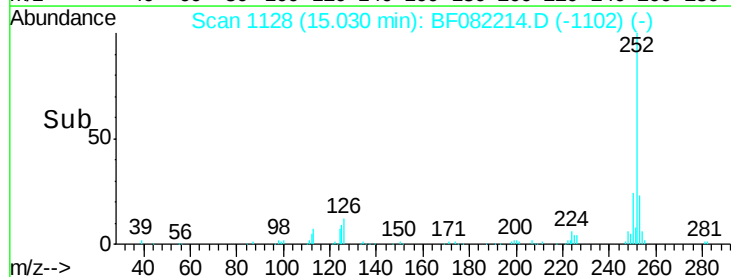
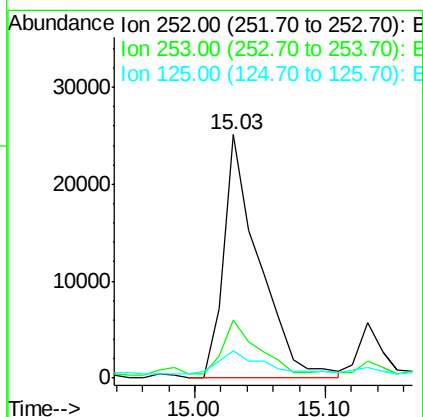
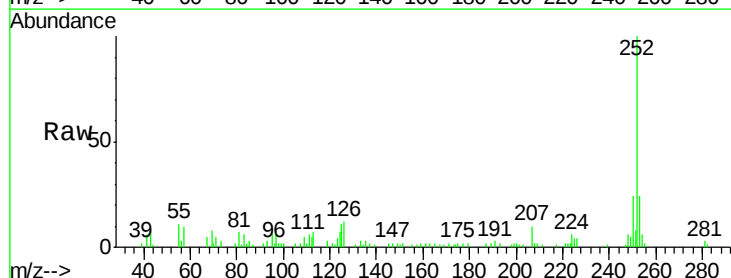
Instrument :
BNA_F
ClientSampleId :

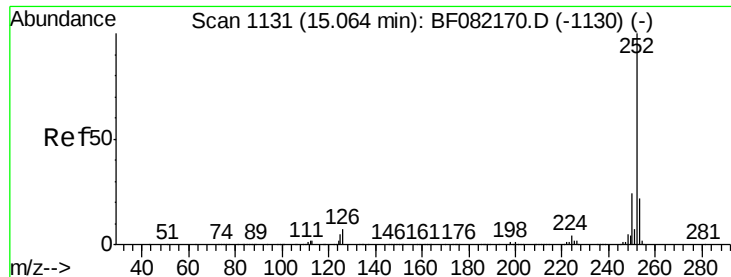
Tot Ion:264 Resp: 172583
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.5 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.51 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Tgt Ion:252 Resp: 47393
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 11.3 8.6 12.8

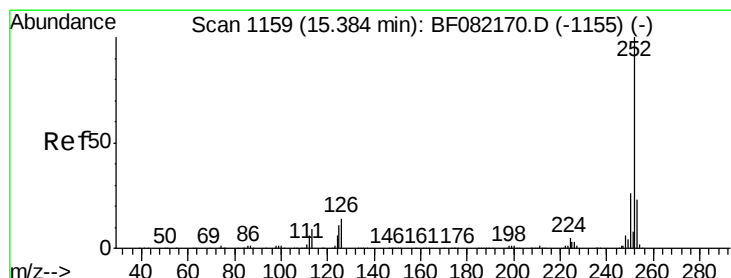
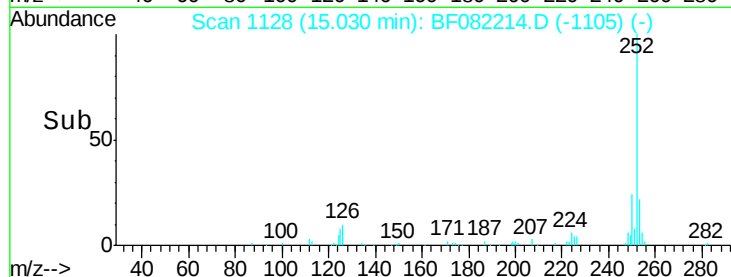
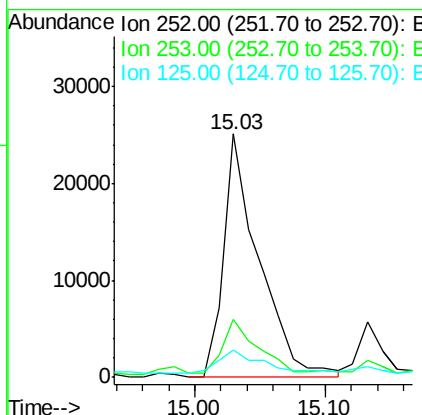
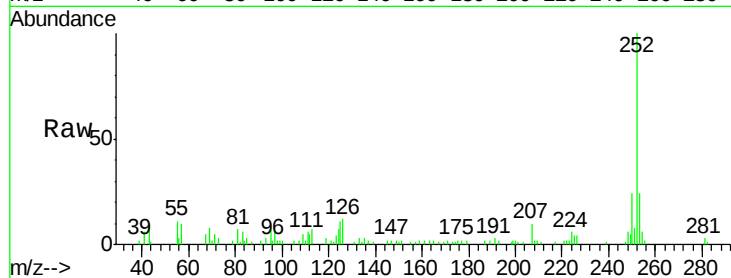




#88
Benzo(k)fluoranthene
Concen: 5.37 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

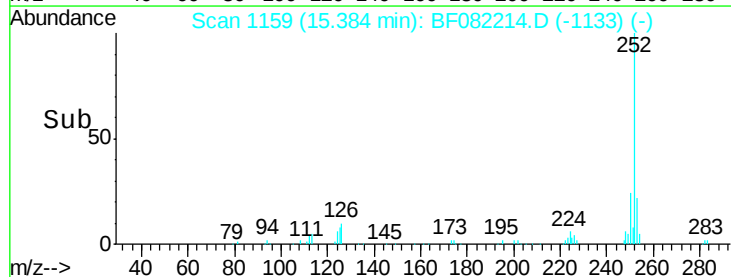
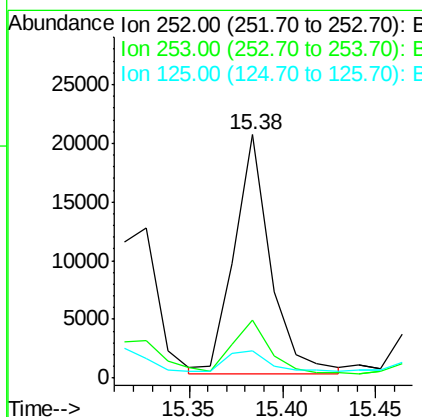
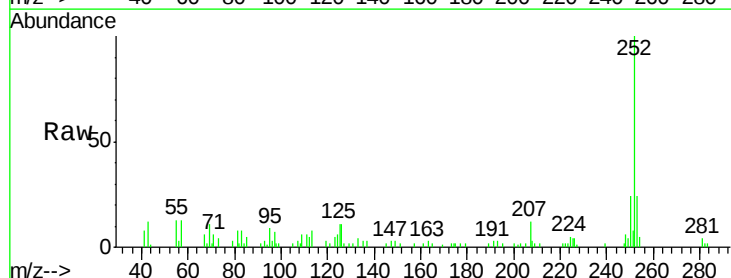
Instrument :
BNA_F
ClientSampleId :

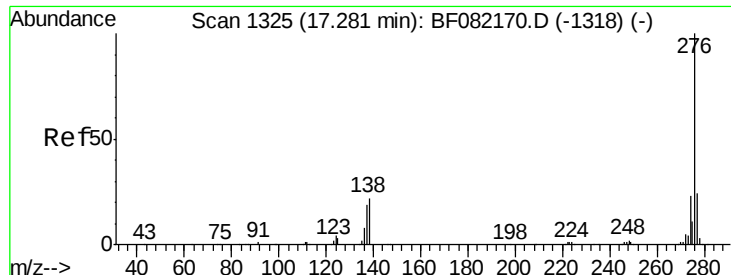
Tot Ion:252 Resp: 47393
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.3 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 3.08 ng
RT: 15.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF082214.D
Acq: 11 Oct 2015 10:08

Tgt Ion:252 Resp: 27755
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 11.3 8.9 13.3

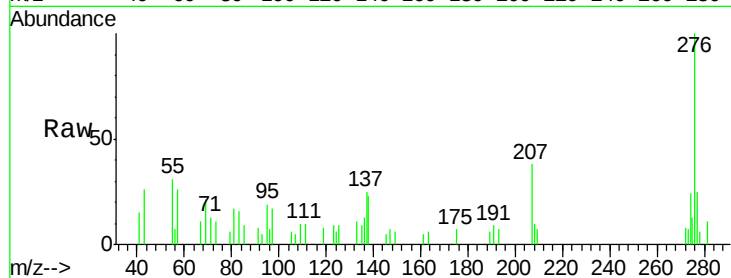




#91
 Benzo(a,h,i)perylene
 Concen: 2.19 ng
 RT: 17.27 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF082214.D
 Acq: 11 Oct 2015 10:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	23.0	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

