

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081836.D
 Acq On : 26 Sep 2015 19:27
 Operator : UM/IZ
 Sample : G3779-02
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1-30

Quant Time: Sep 28 03:18:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	118588	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	458156	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	203722	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	379479	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	300159	20.00	ng	0.00
86) Perylene-d12	15.58	264	305566	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	871683	124.35	ng	0.00
7) Phenol-d6	6.56	99	1118749	126.18	ng	-0.01
23) Nitrobenzene-d5	7.51	82	741257	106.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	294370	166.43	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1117223	90.02	ng	-0.01
78) Terphenyl-d14	13.06	244	1046466	79.64	ng	0.00

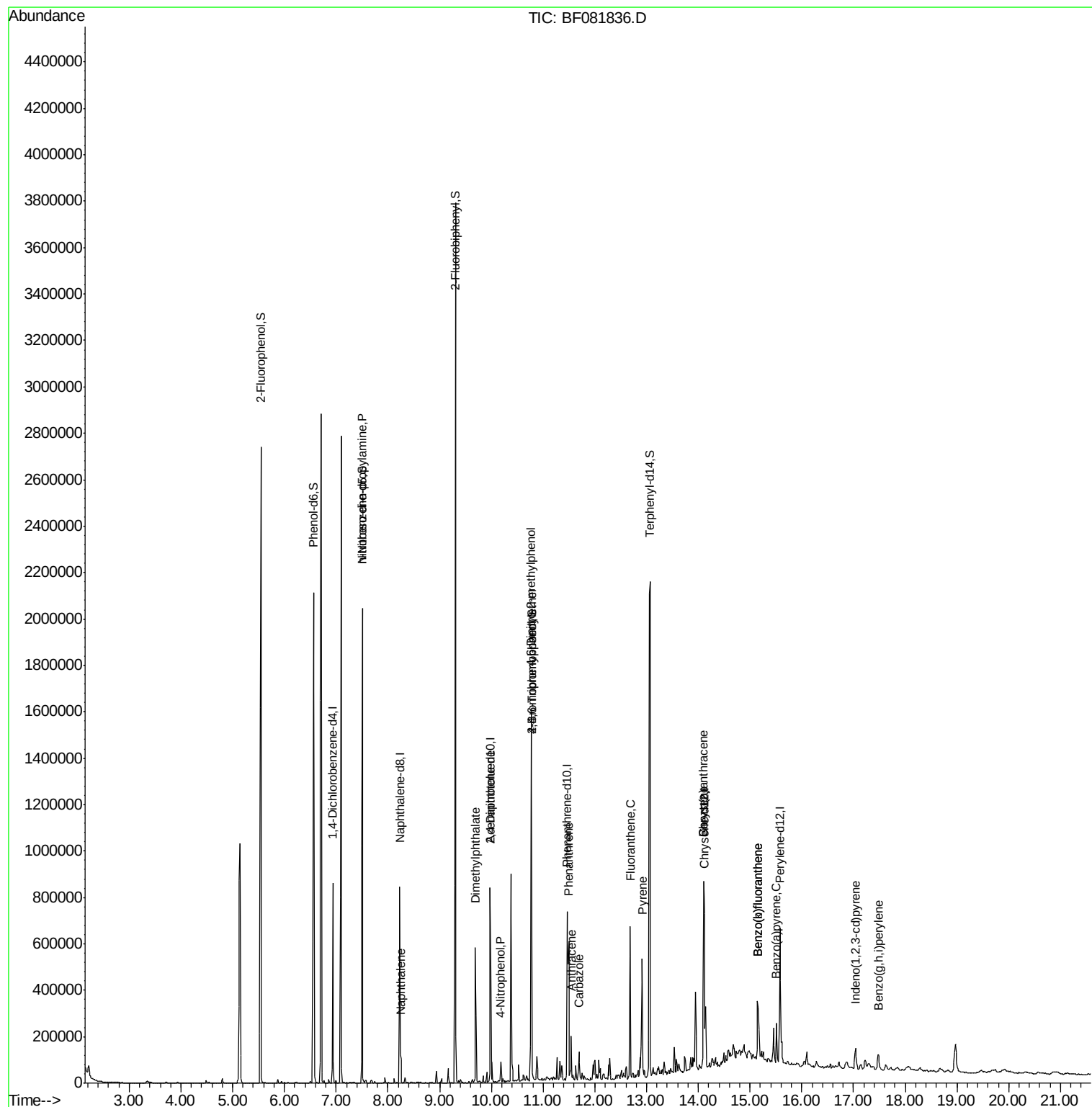
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	100171	16.95	ng	# 57
31) Naphthalene	8.25	128	74292	3.51	ng	99
49) Dimethylphthalate	9.69	163	288698	18.62	ng	# 97
55) 4-Nitrophenol	10.18	139	11298	5.05	ng	# 25
56) 2,4-Dinitrotoluene	9.98	165	25928	7.24	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.77	198	615	8.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	18852	4.46	ng	# 1
70) Phenanthrene	11.50	178	332614	15.33	ng	98
71) Anthracene	11.54	178	75188	3.60	ng	98
72) Carbazole	11.69	167	54317	2.80	ng	# 95
74) Fluoranthene	12.69	202	376856	17.24	ng	86
77) Pyrene	12.91	202	293385	12.96	ng	98
80) Benzo(a)anthracene	14.10	228	143656	7.89	ng	95
82) Chrysene	14.10	228	143656	8.23	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	64426	4.03	ng	# 86
87) Benzo(b)fluoranthene	15.14	252	208313	11.50	ng	# 90
88) Benzo(k)fluoranthene	15.14	252	208313	11.93	ng	# 90
89) Benzo(a)pyrene	15.51	252	93397	5.71	ng	# 87
91) Benzo(g,h,i)perylene	17.49	276	61733	3.51	ng	# 74

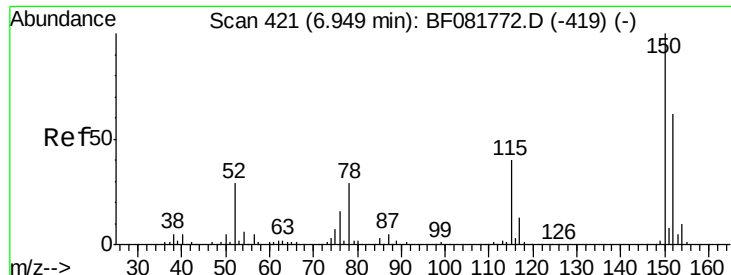
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

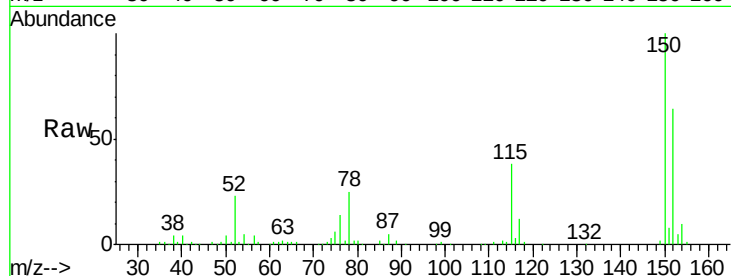
Tgt Ion:152 Resp: 118588

Ion Ratio Lower Upper

152 100

150 156.7 124.7 187.1

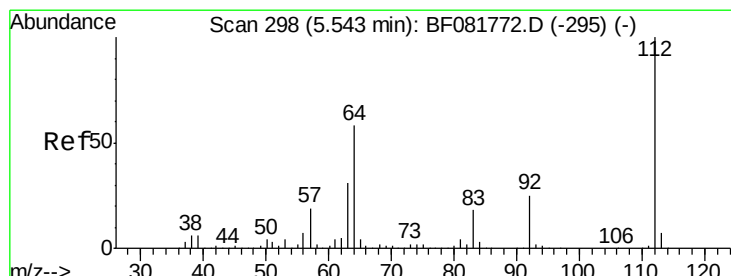
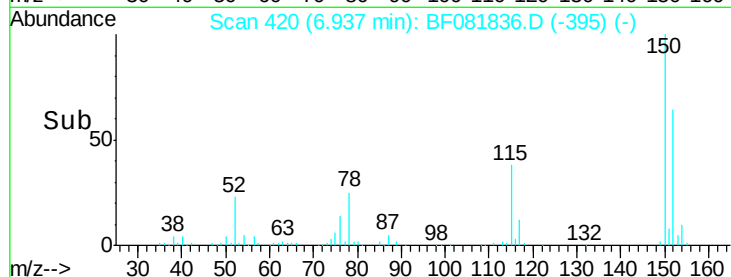
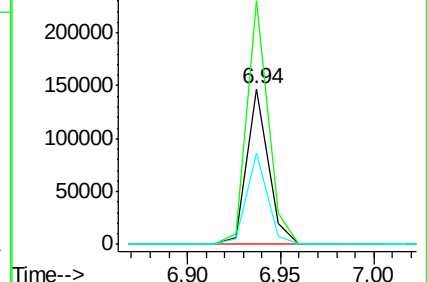
115 59.1 39.0 58.4#



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: 124.35 ng

RT: 5.54 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

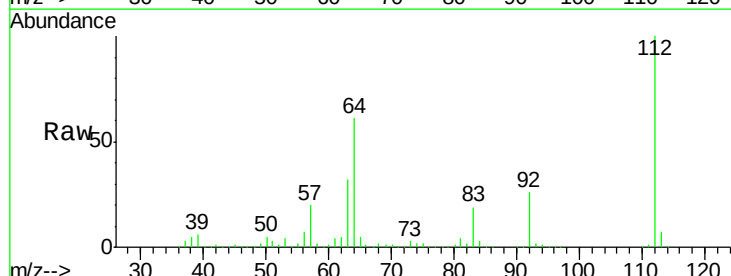
Tgt Ion:112 Resp: 871683

Ion Ratio Lower Upper

112 100

64 60.8 39.7 59.5#

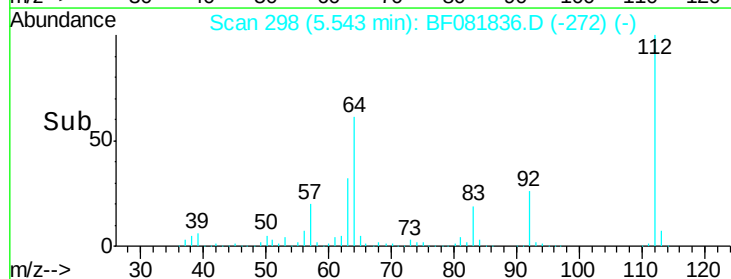
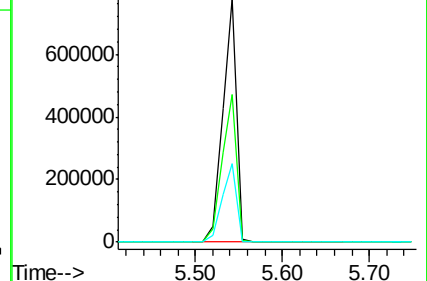
63 32.4 17.4 26.0#

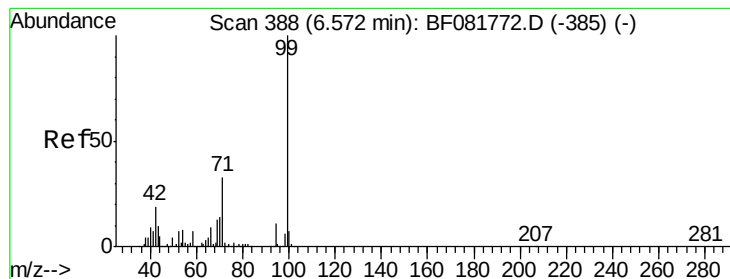


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.18 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

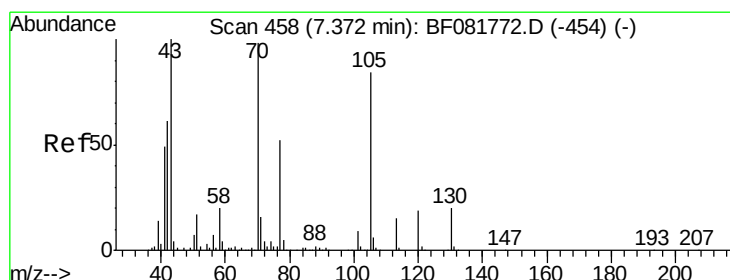
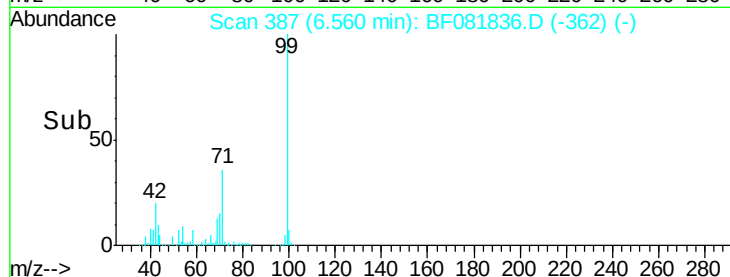
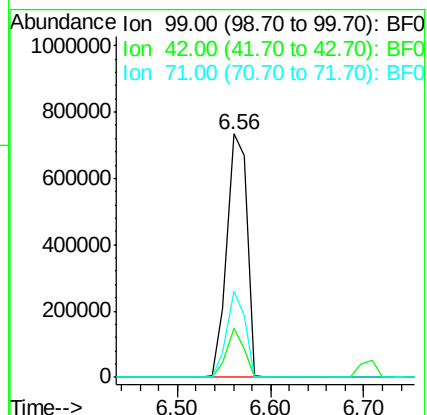
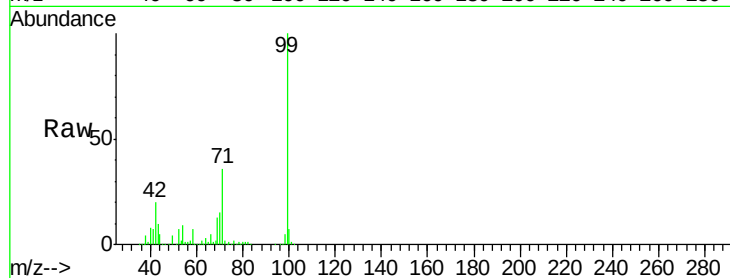
Tgt Ion: 99 Resp: 1118749

Ion Ratio Lower Upper

99 100

42 20.2 13.7 20.5

71 35.6 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 16.95 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Tgt Ion: 70 Resp: 100171

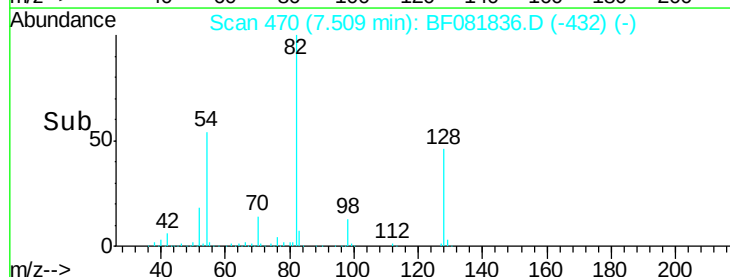
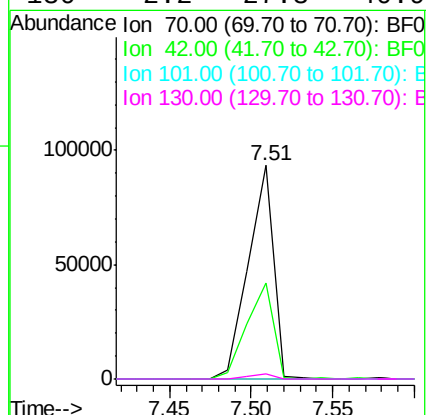
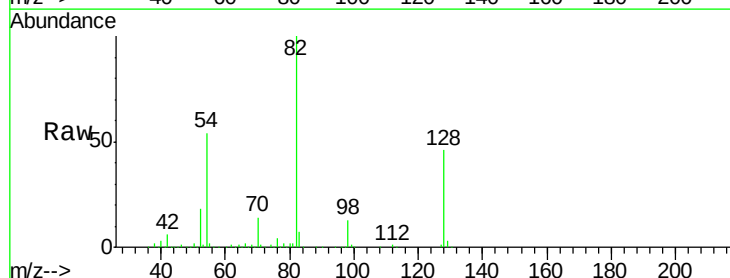
Ion Ratio Lower Upper

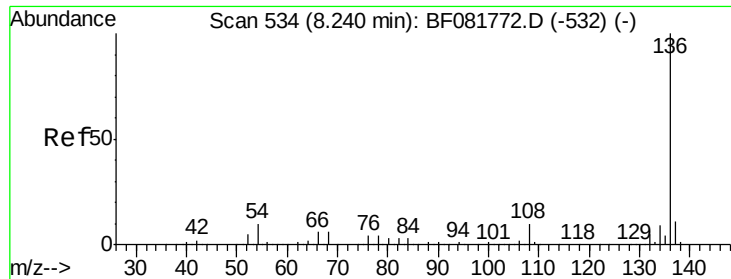
70 100

42 44.8 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#

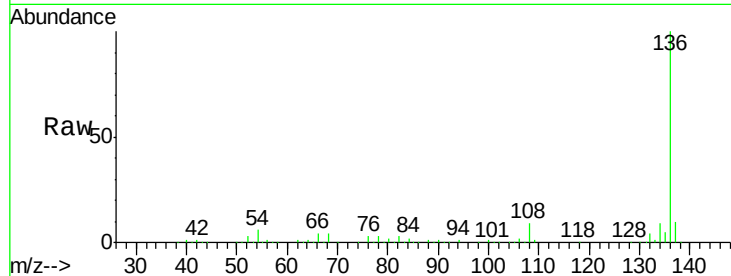




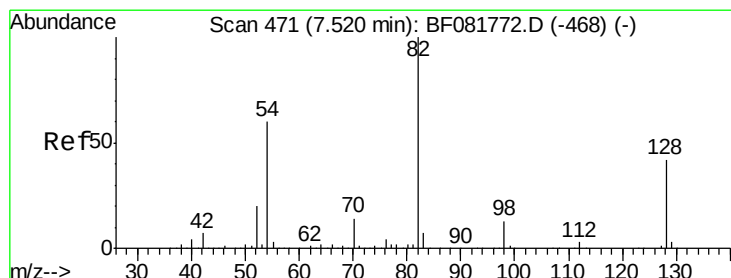
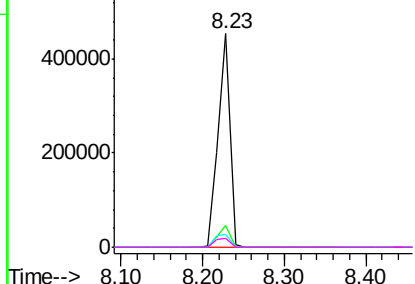
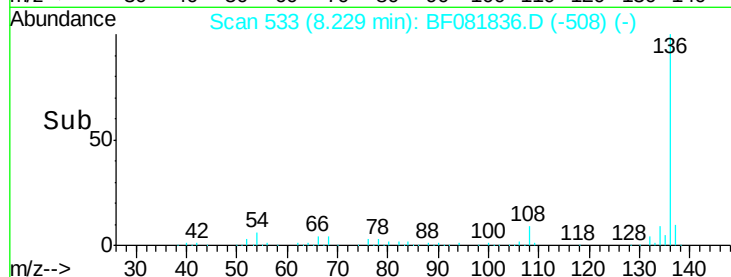
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Instrument :
BNA_F
ClientSampleId :
S1-30

Tgt Ion: 136 Resp: 458156
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.6
54 6.1 8.2 12.2#
68 4.2 5.8 8.6#

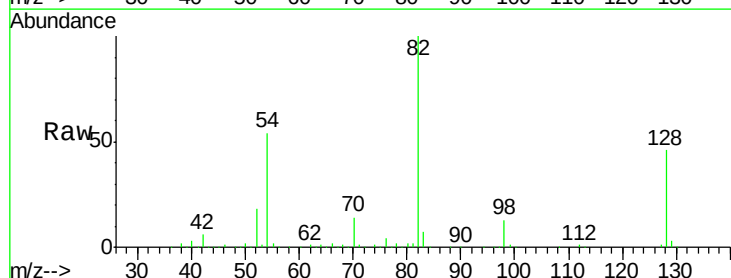


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

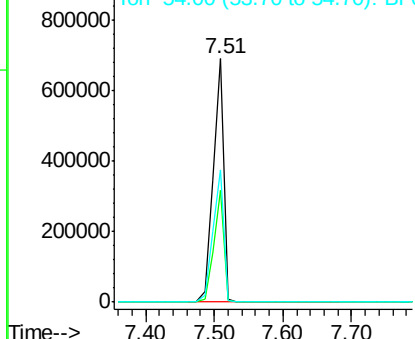
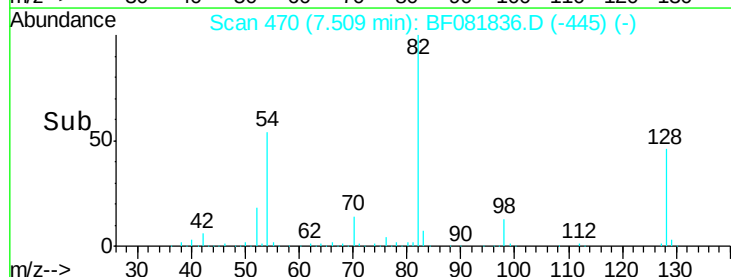


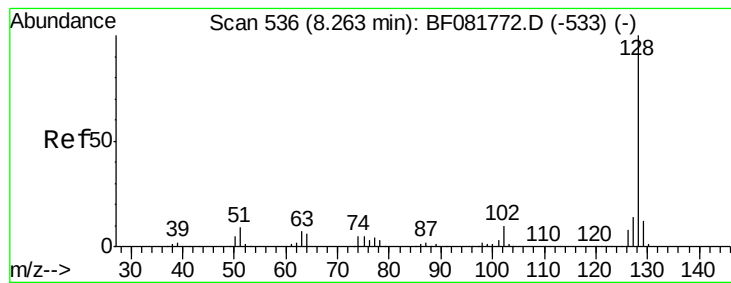
#23
Nitrobenzene-d5
Concen: 106.75 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion: 82 Resp: 741257
Ion Ratio Lower Upper
82 100
128 46.0 51.0 76.6#
54 54.4 47.5 71.3



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: 3.51 ng

RT: 8.25 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

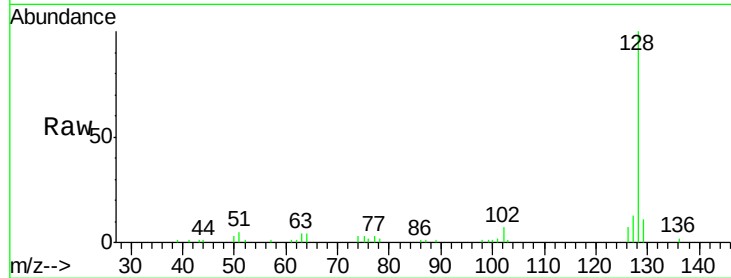
Tgt Ion:128 Resp: 74292

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

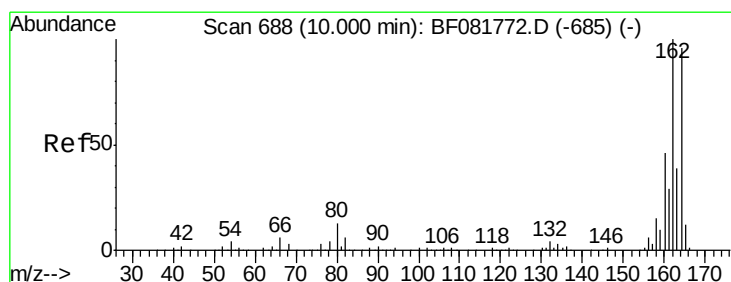
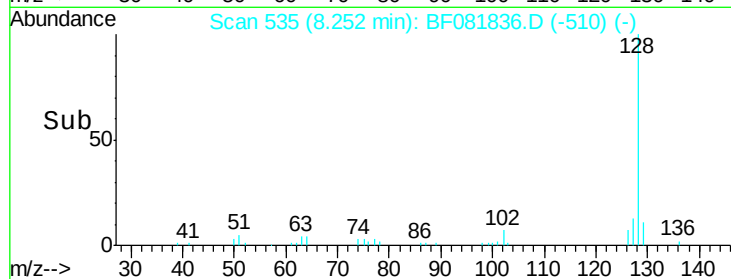
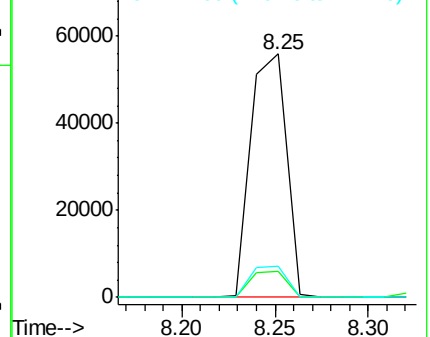
127 12.9 9.9 14.9



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

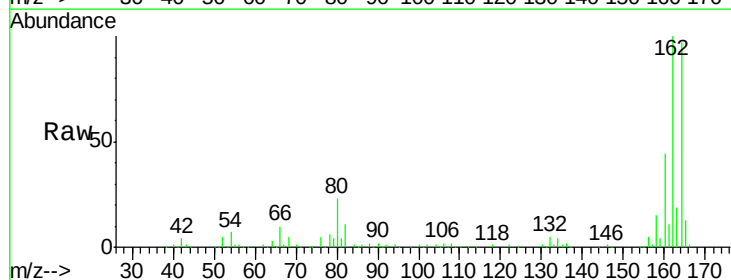
Tgt Ion:164 Resp: 203722

Ion Ratio Lower Upper

164 100

162 102.7 75.2 112.8

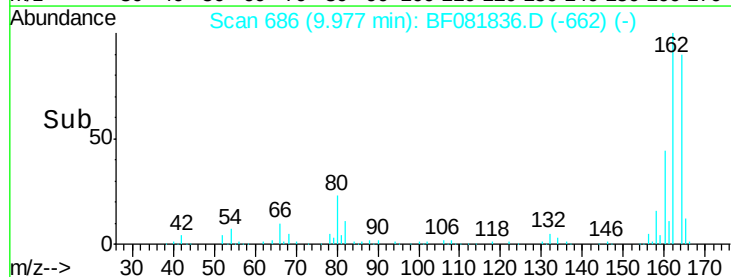
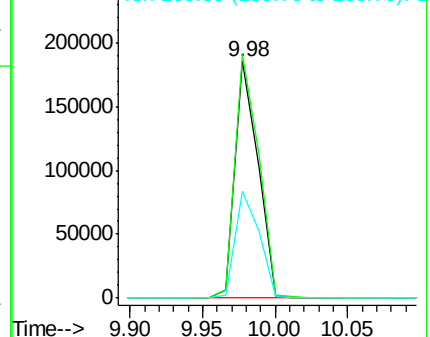
160 44.8 31.5 47.3

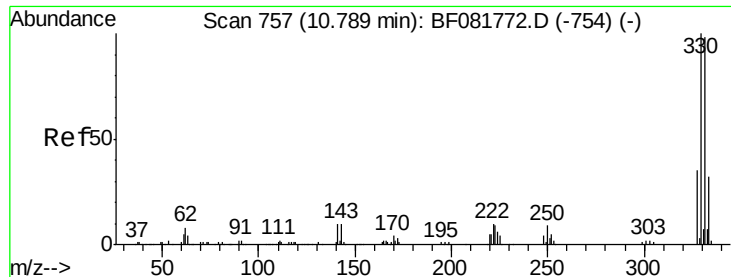


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

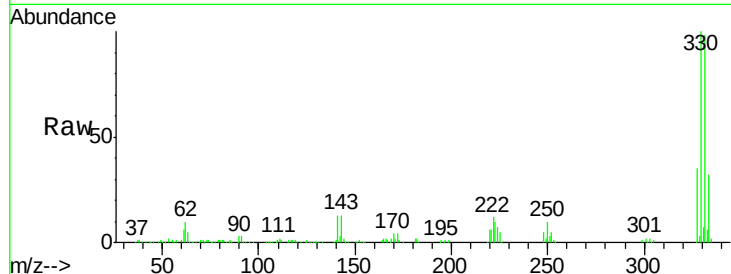




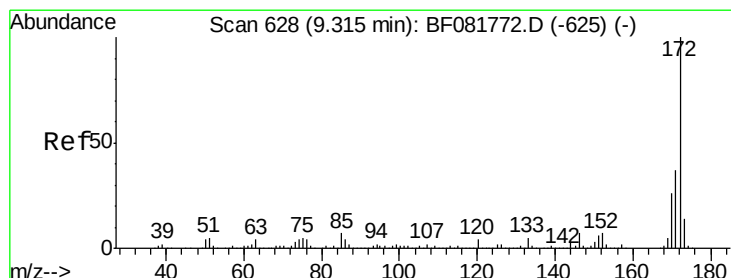
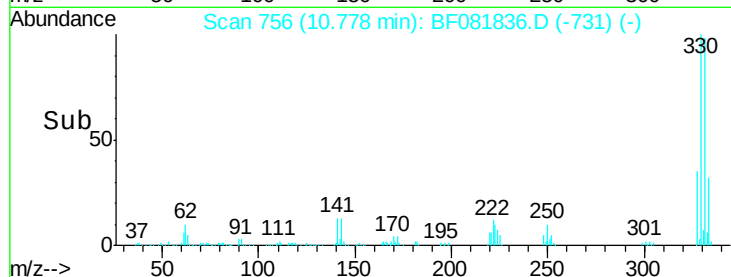
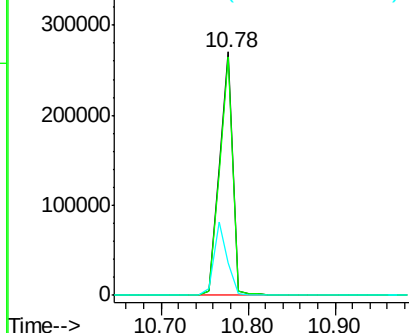
#41
 2,4,6-Tribromophenol
 Concen: 166.43 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081836.D
 Acq: 26 Sep 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 S1-30

Tgt Ion:330 Resp: 294370
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 30.0 29.7 44.5

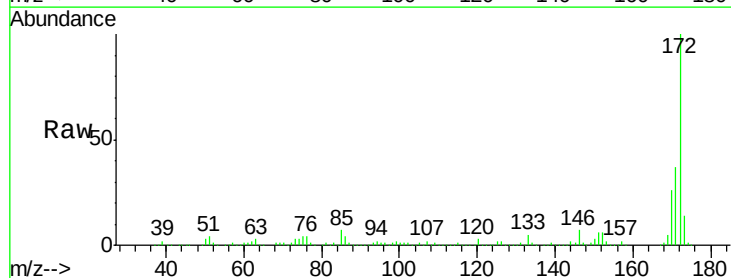


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

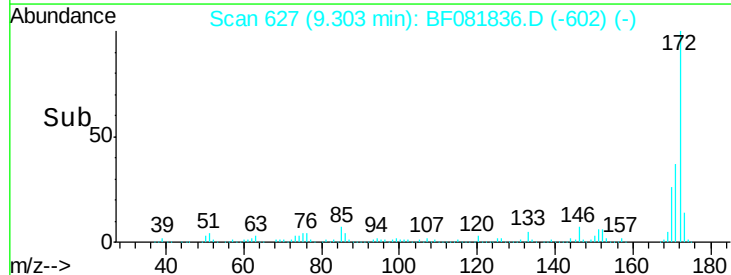
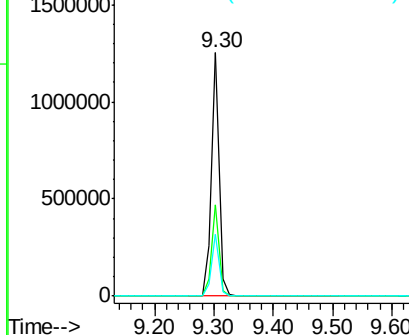


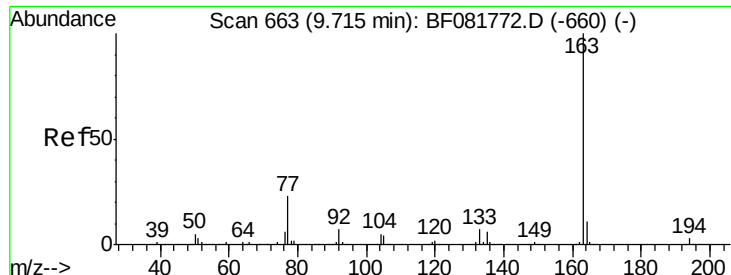
#44
 2-Fluorobiphenyl
 Concen: 90.02 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081836.D
 Acq: 26 Sep 2015 19:27

Tgt Ion:172 Resp: 1117223
 Ion Ratio Lower Upper
 172 100
 171 37.3 26.1 39.1
 170 25.7 17.4 26.2



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

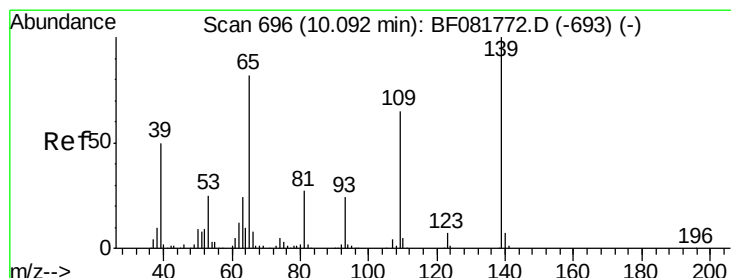
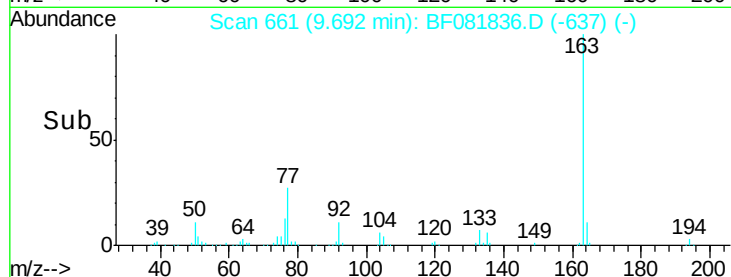
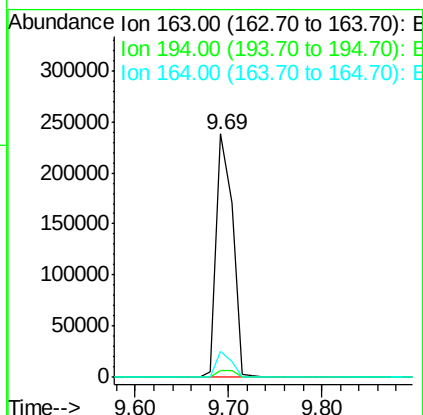
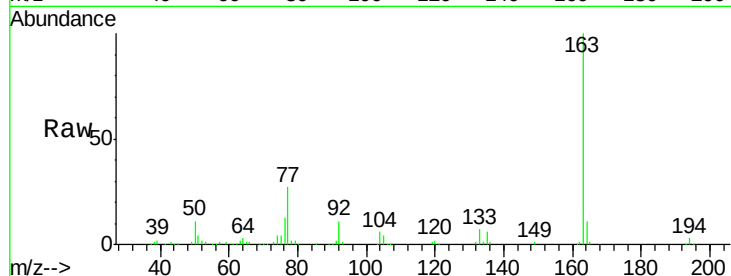




#49
Dimethylphthalate
Concen: 18.62 ng
RT: 9.69 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

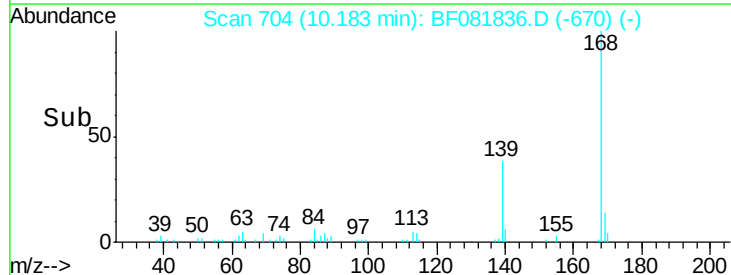
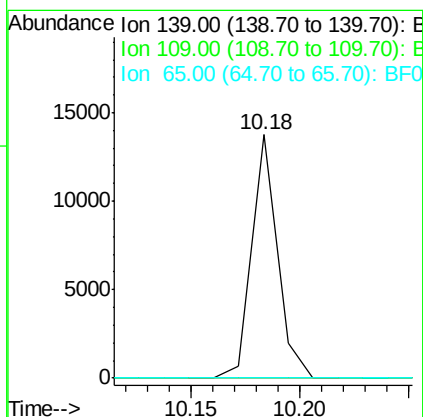
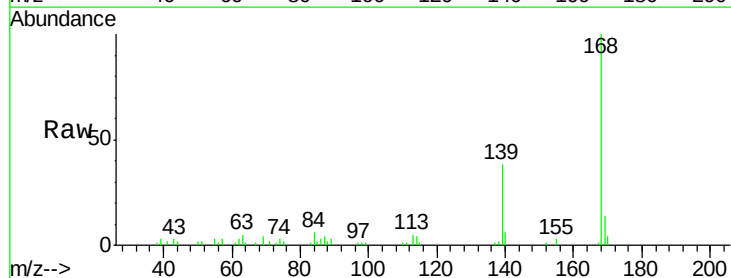
Instrument :
BNA_F
ClientSampleId :
S1-30

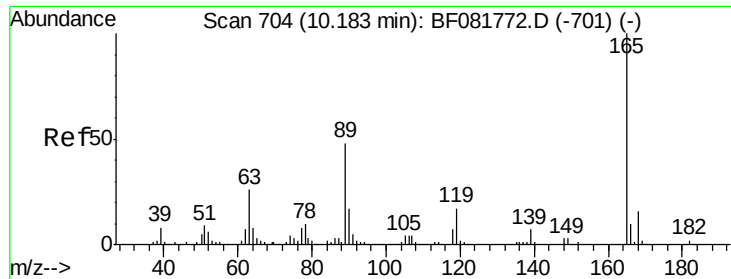
Tgt Ion:163 Resp: 288698
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 10.6 8.3 12.5



#55
4-Nitrophenol
Concen: 5.05 ng
RT: 10.18 min Scan# 704
Delta R.T. 0.09 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion:139 Resp: 11298
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 0.0 45.9 85.9#

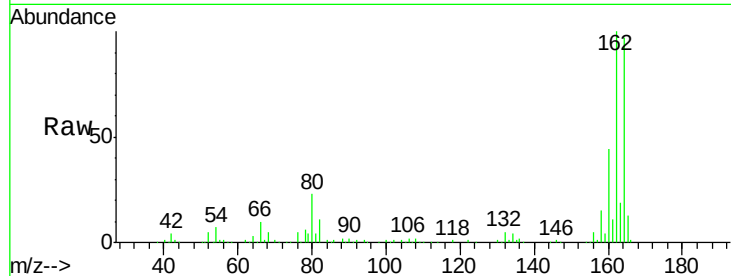




#56
2,4-Dinitrotoluene
Concen: 7.24 ng
RT: 9.98 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Instrument :
BNA_F
ClientSampleId :
S1-30

Tgt Ion:	165	Resp:	25928
Ion Ratio	Lower	Upper	
165	100		
63	1.3	29.8	44.6#
89	1.7	44.5	66.7#
182	0.0	3.0	4.4#

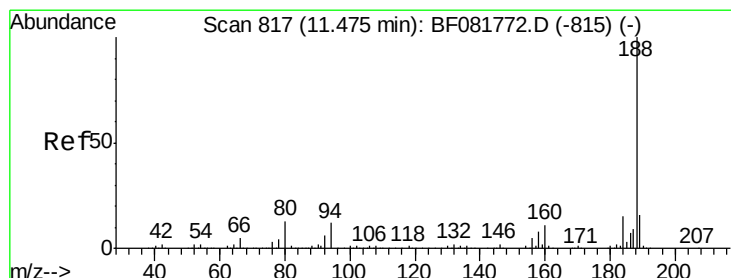
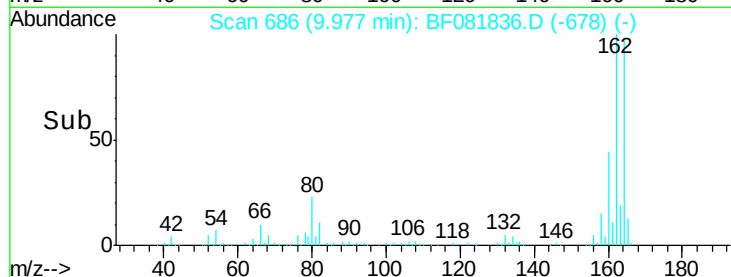
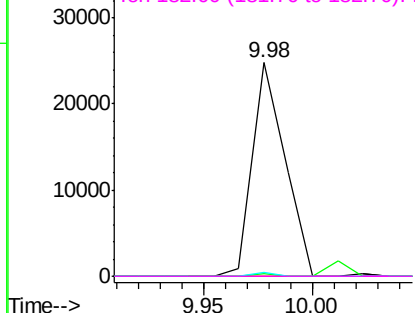


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

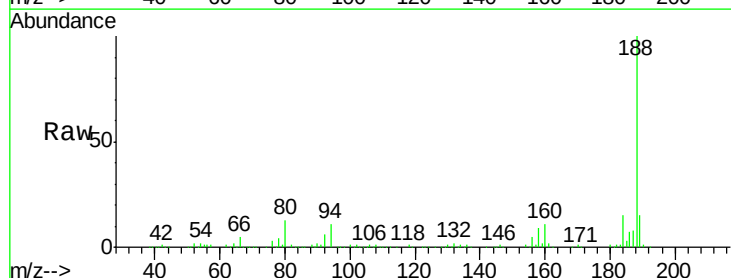
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

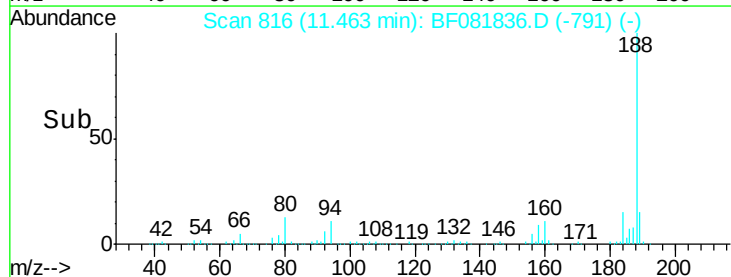
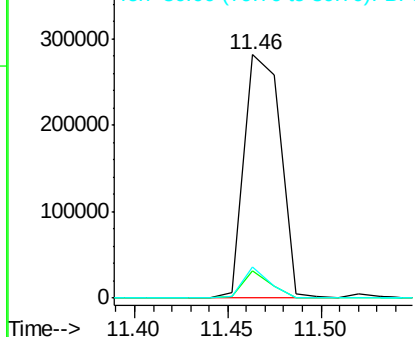
Tgt Ion:	188	Resp:	379479
Ion Ratio	Lower	Upper	
188	100		
94	11.4	11.1	16.7
80	12.8	11.0	16.4

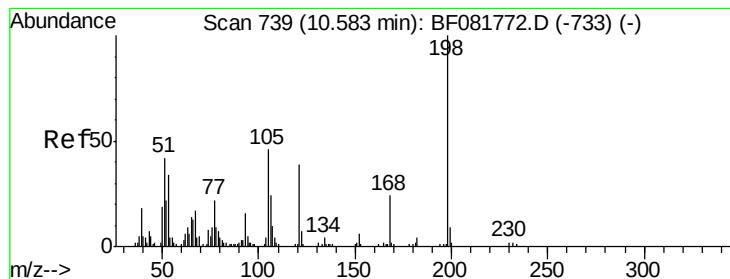


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.54 ng

RT: 10.77 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

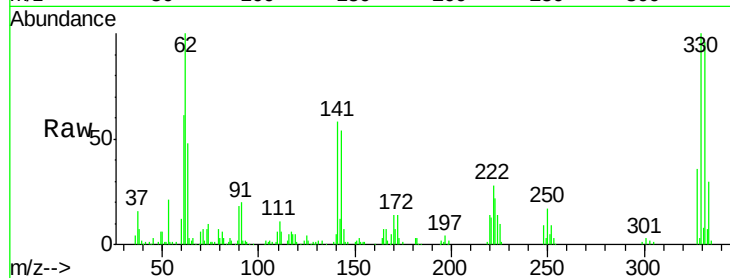
Tgt Ion:198 Resp: 615

Ion Ratio Lower Upper

198 100

51 284.0 39.6 79.6#

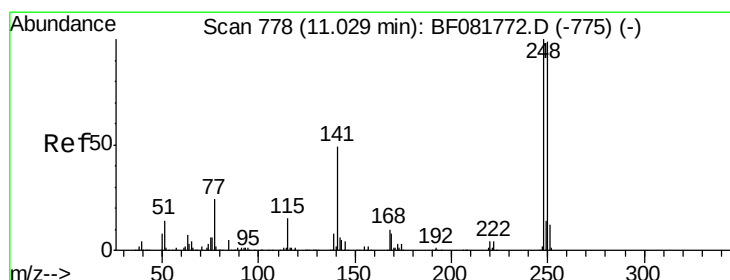
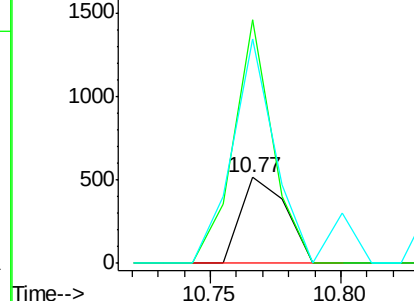
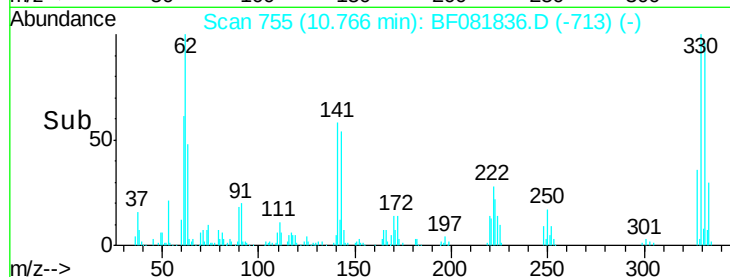
105 262.2 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.46 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

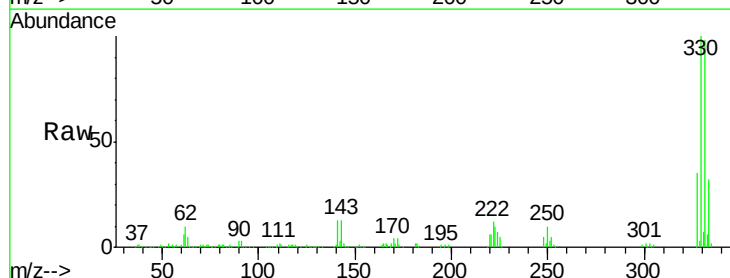
Tgt Ion:248 Resp: 18852

Ion Ratio Lower Upper

248 100

250 191.7 78.5 117.7#

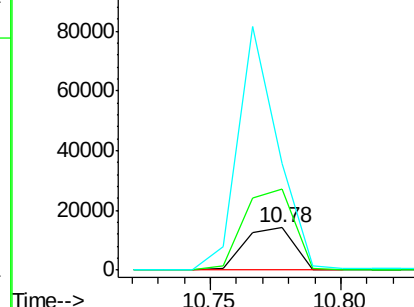
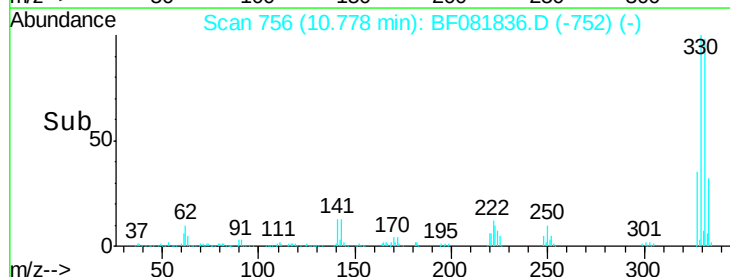
141 254.1 59.0 88.6#

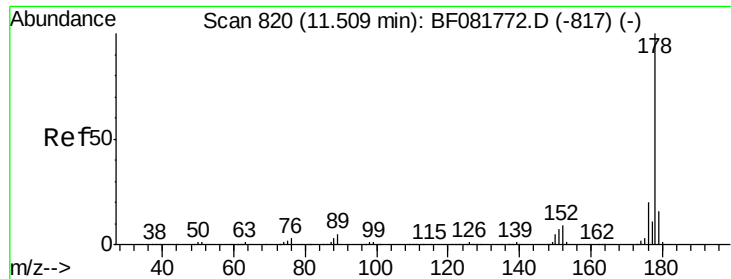


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 15.33 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

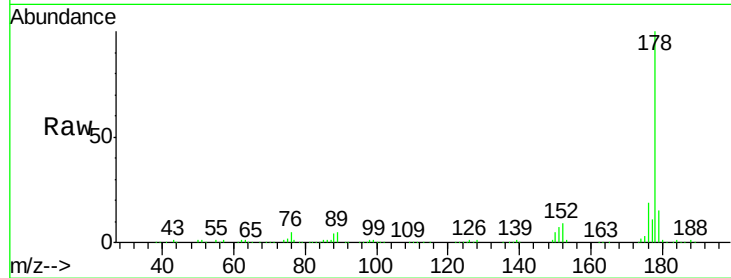
Tgt Ion:178 Resp: 332614

Ion Ratio Lower Upper

178 100

176 18.8 13.8 20.8

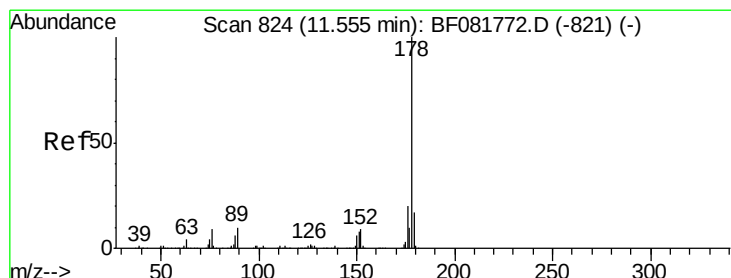
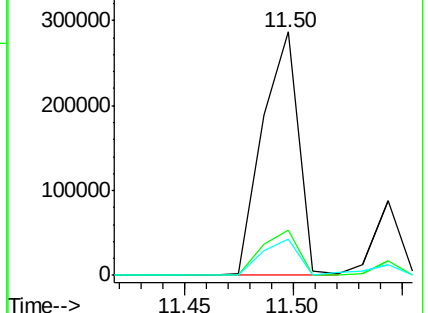
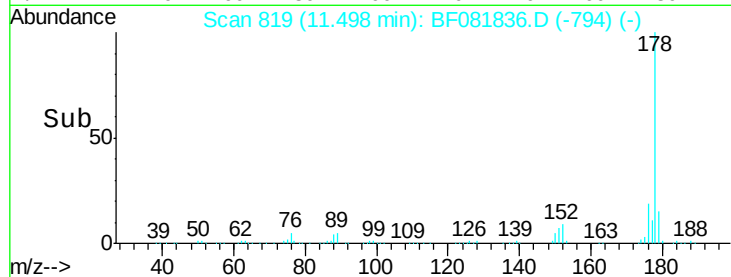
179 14.7 12.2 18.2



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: 3.60 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

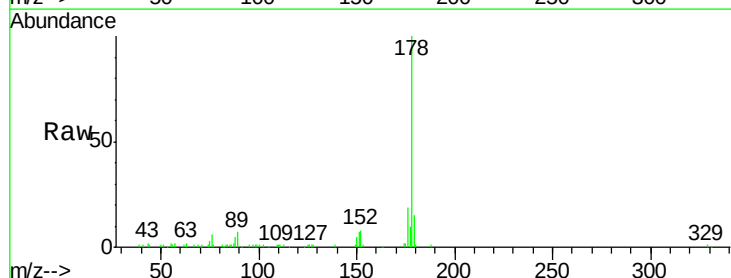
Tgt Ion:178 Resp: 75188

Ion Ratio Lower Upper

178 100

176 18.8 14.1 21.1

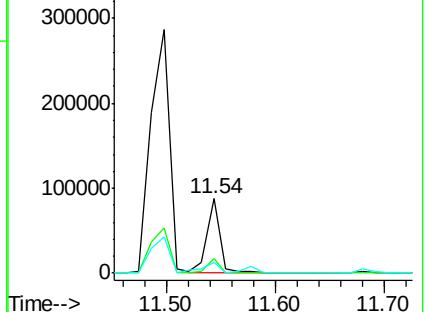
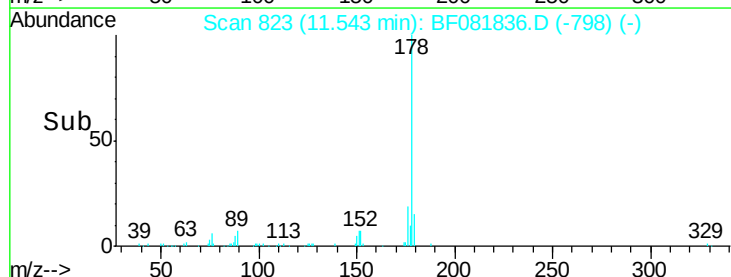
179 14.8 12.2 18.2

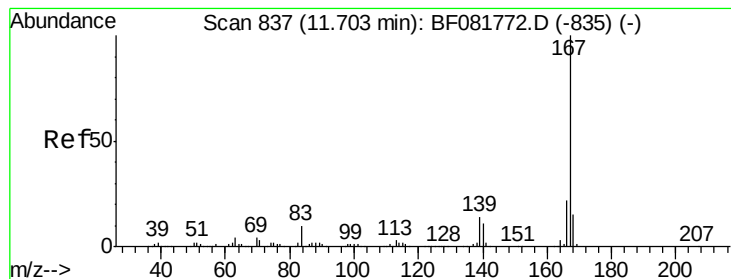


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.80 ng

RT: 11.69 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

Instrument :

BNA_F

ClientSampleId :

S1-30

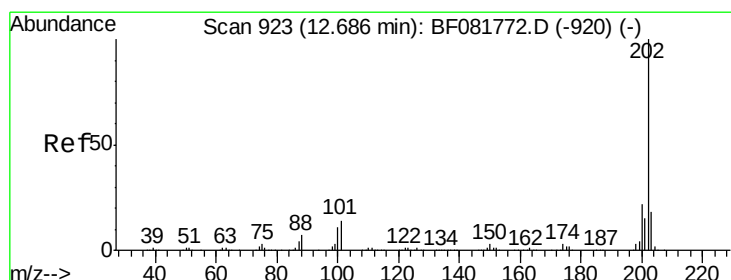
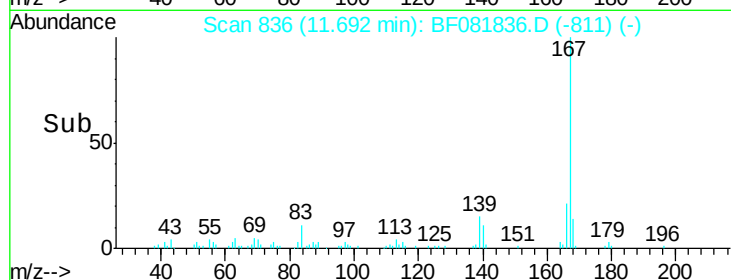
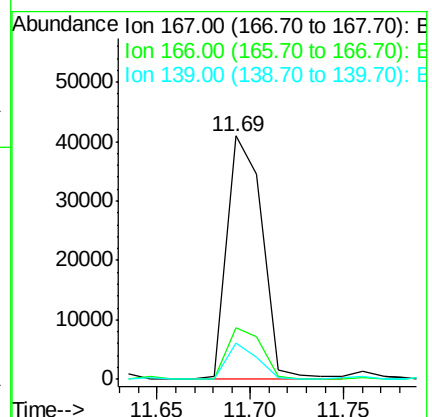
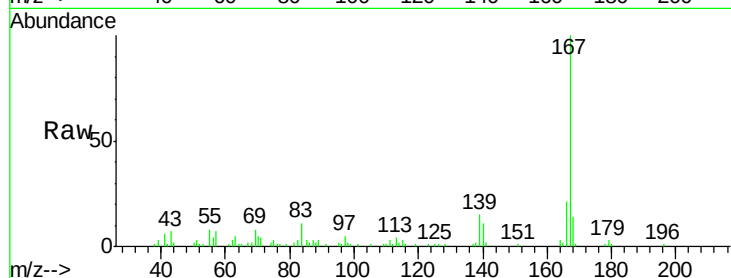
Tgt Ion:167 Resp: 54317

Ion Ratio Lower Upper

167 100

166 21.3 15.7 23.5

139 15.1 9.5 14.3#



#74

Fluoranthene

Concen: 17.24 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081836.D

Acq: 26 Sep 2015 19:27

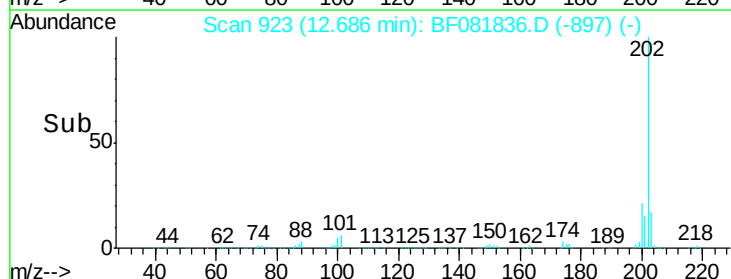
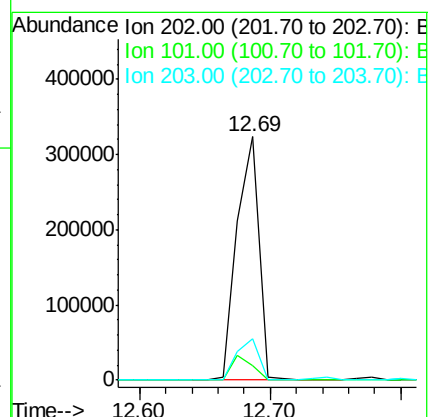
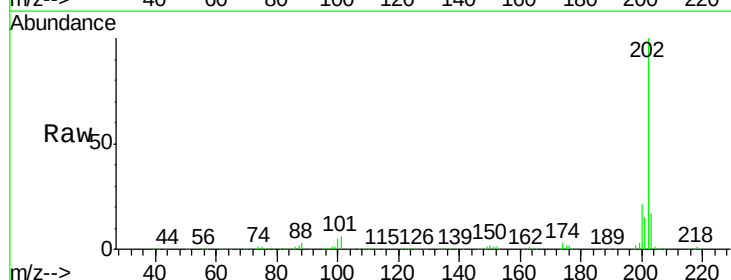
Tgt Ion:202 Resp: 376856

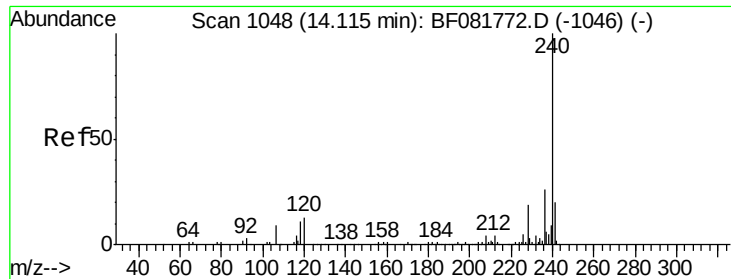
Ion Ratio Lower Upper

202 100

101 6.1 0.0 38.3

203 17.1 0.0 37.3

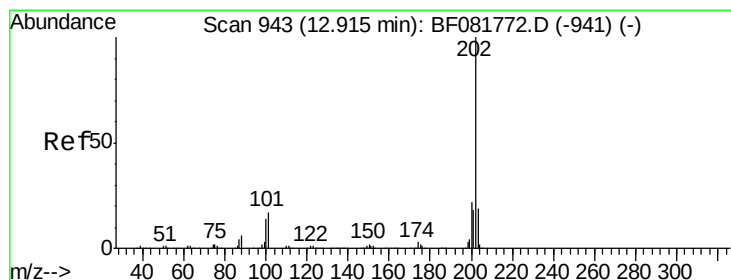
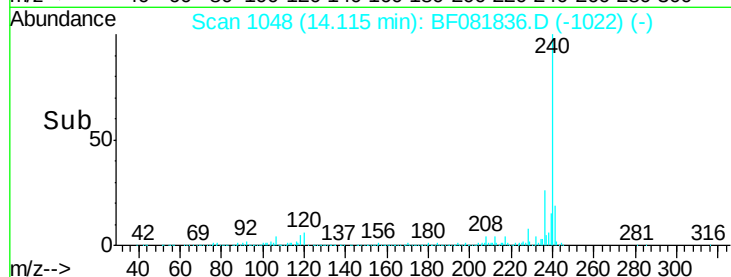
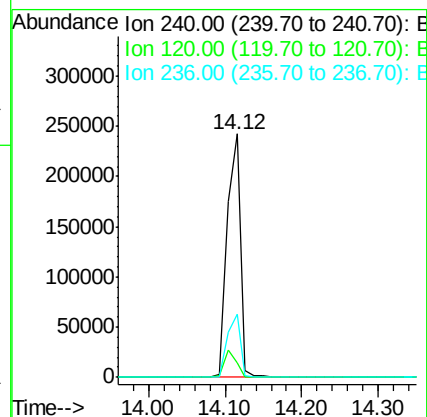
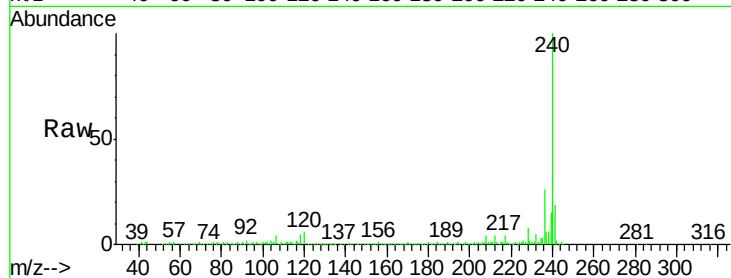




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.12 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

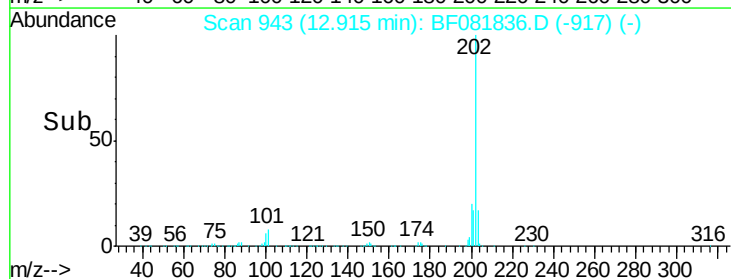
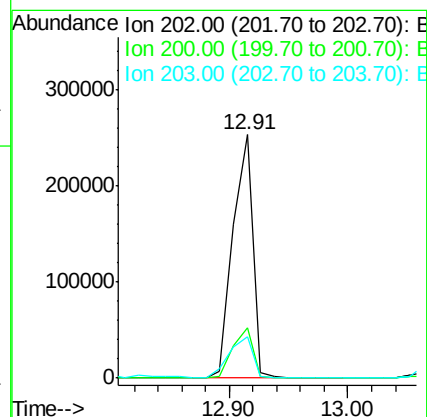
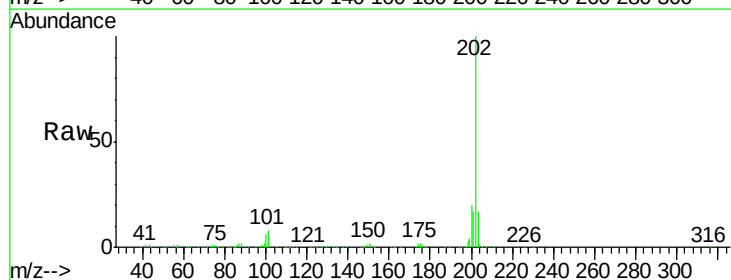
Instrument :
BNA_F
ClientSampleId :
S1-30

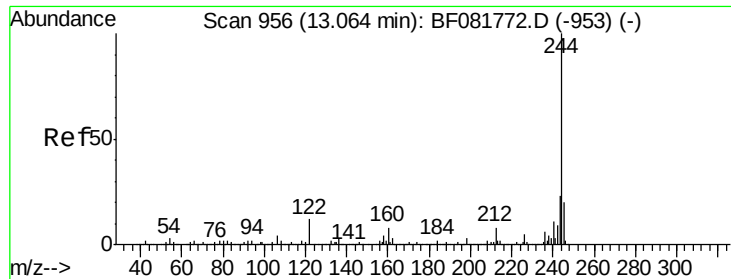
Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	16.2	24.2#
236	25.9	18.4	27.6



#77
Pyrene
Concen: 12.96 ng
RT: 12.91 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	15.0	22.4
203	17.2	14.1	21.1

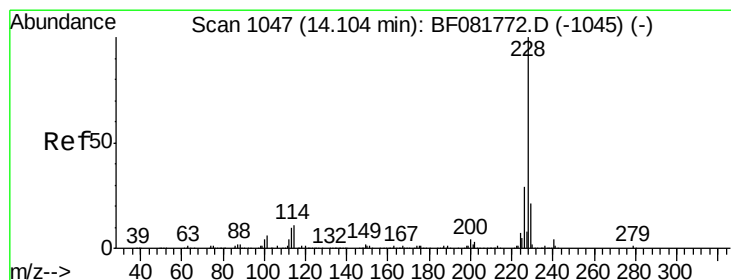
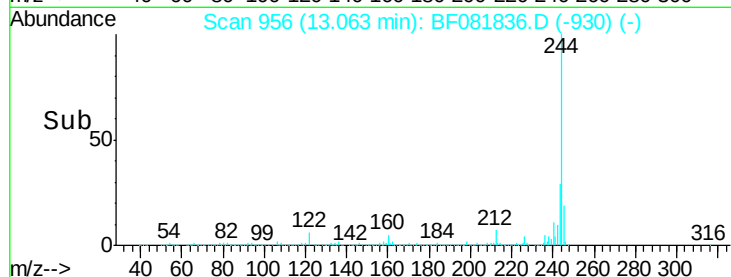
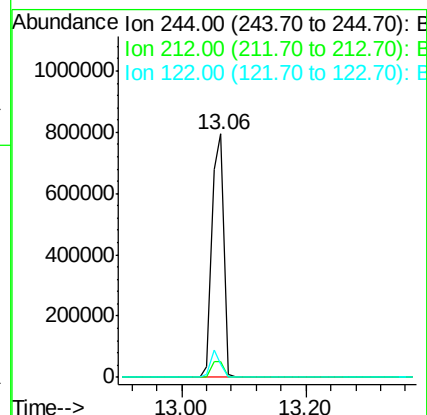
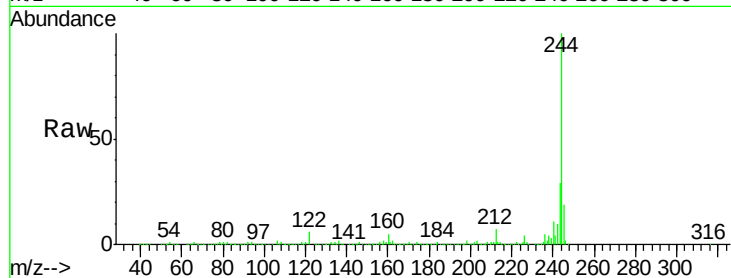




#78
 Terphenyl-d14
 Concen: 79.64 ng
 RT: 13.06 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF081836.D
 Acq: 26 Sep 2015 19:27

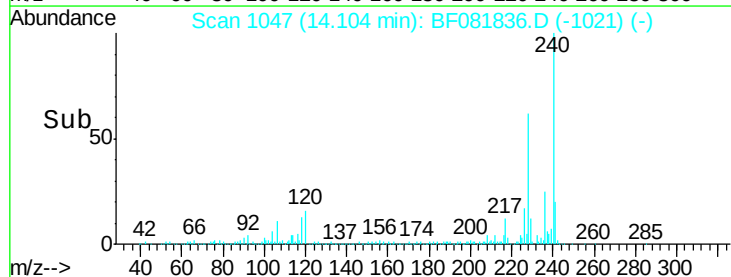
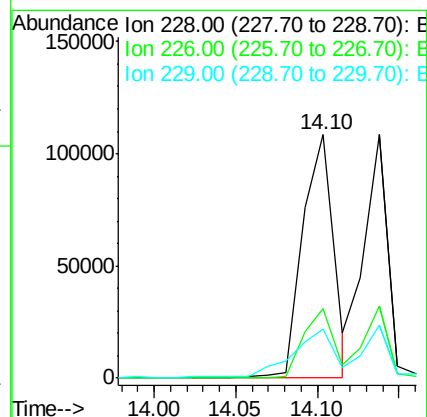
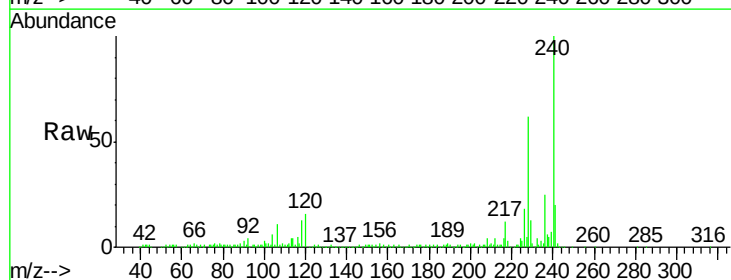
Instrument :
 BNA_F
 ClientSampleId :
 S1-30

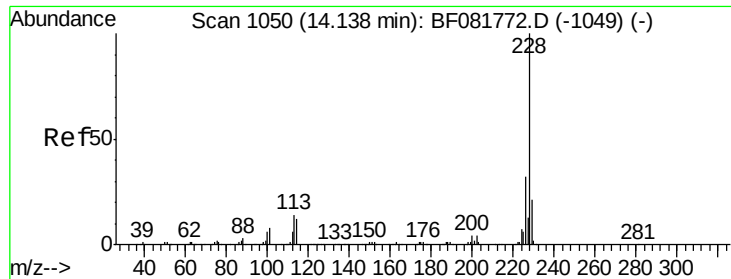
Tgt Ion:244 Resp: 1046466
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.3 6.5#
 122 5.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.89 ng
 RT: 14.10 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF081836.D
 Acq: 26 Sep 2015 19:27

Tgt Ion:228 Resp: 143656
 Ion Ratio Lower Upper
 228 100
 226 28.3 20.0 30.0
 229 20.4 15.4 23.2

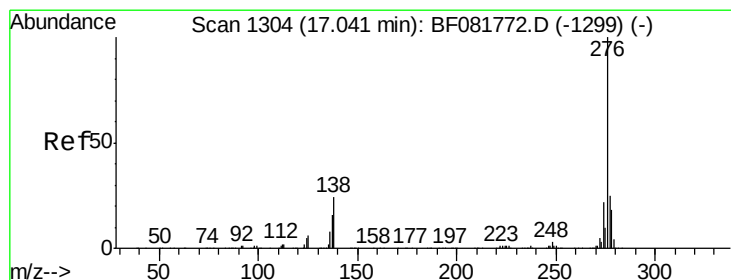
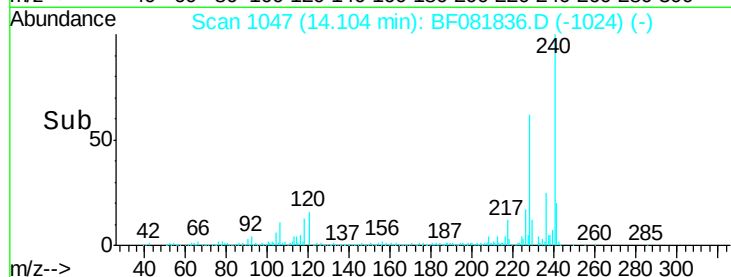
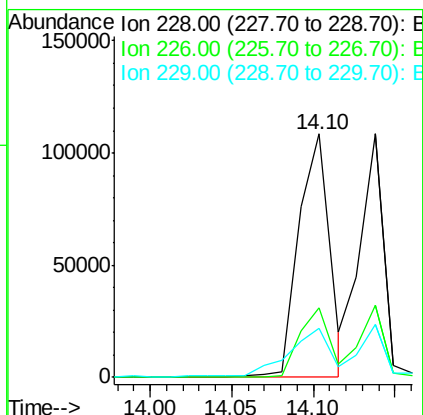
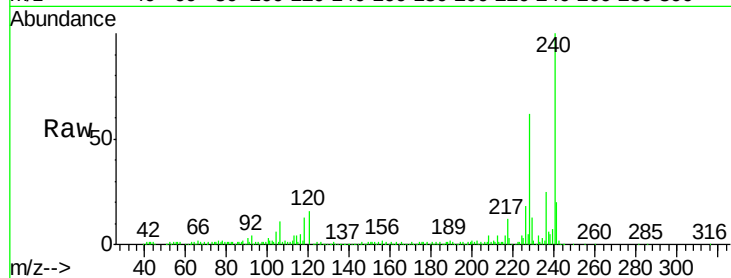




#82
Chrysene
Concen: 8.23 ng
RT: 14.10 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

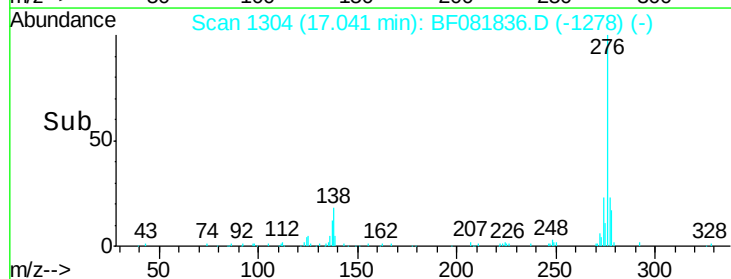
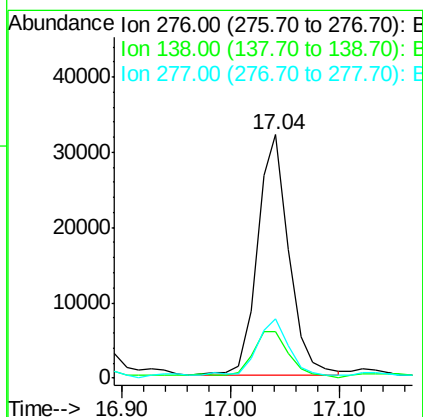
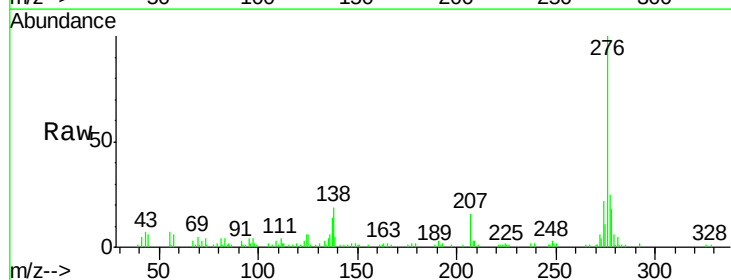
Instrument :
BNA_F
ClientSampled :
S1-30

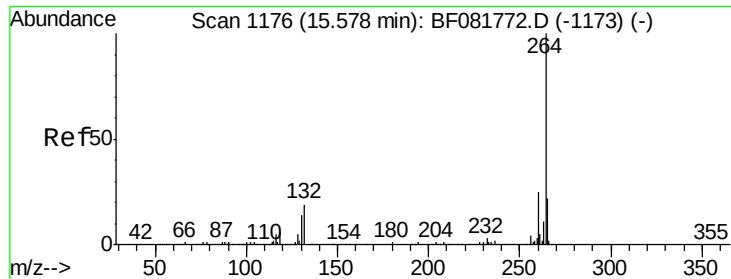
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.0	31.4
229	20.4	15.6	23.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.03 ng
RT: 17.04 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.7	38.5#
277	26.0	15.6	23.4#



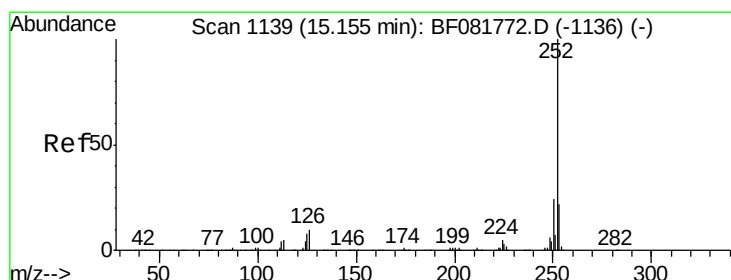
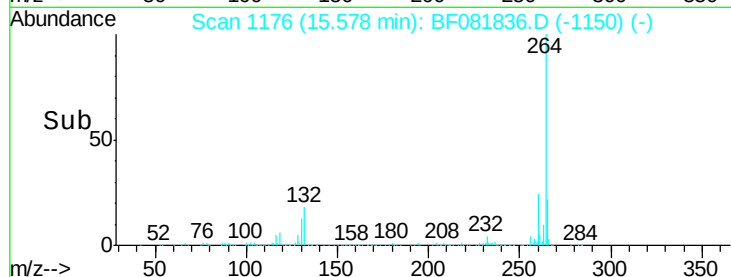
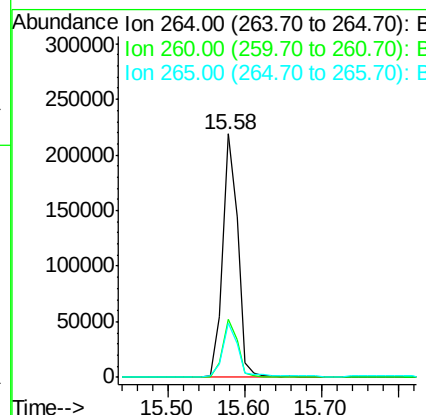
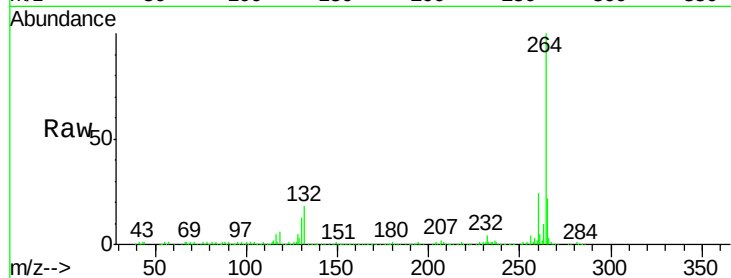


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Instrument :
BNA_F
ClientSampleId :
S1-30

Tgt Ion: 264 Resp: 305566

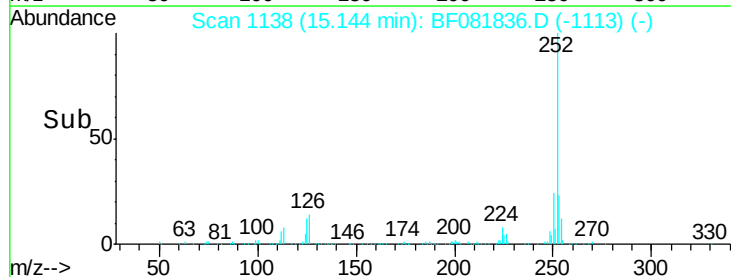
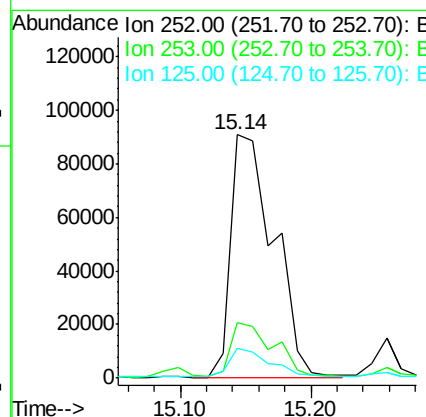
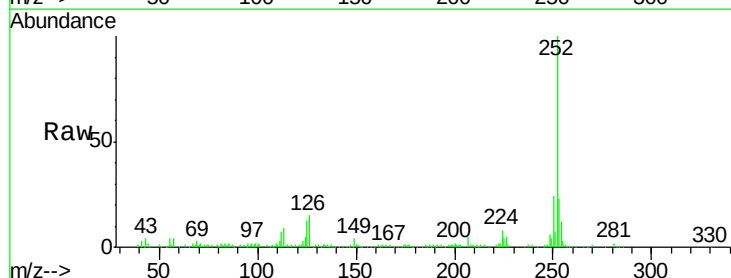
Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.7	25.1
265	22.1	17.2	25.8

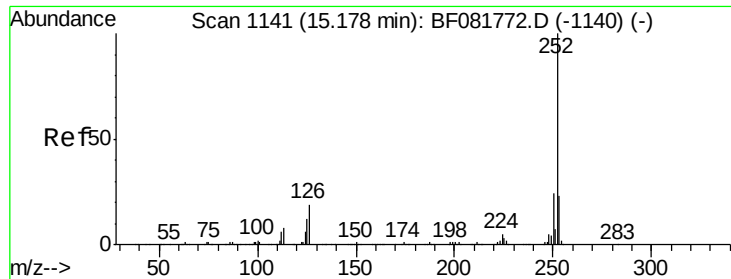


#87
Benzo(b)fluoranthene
Concen: 11.50 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion: 252 Resp: 208313

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.5	17.1	25.7#

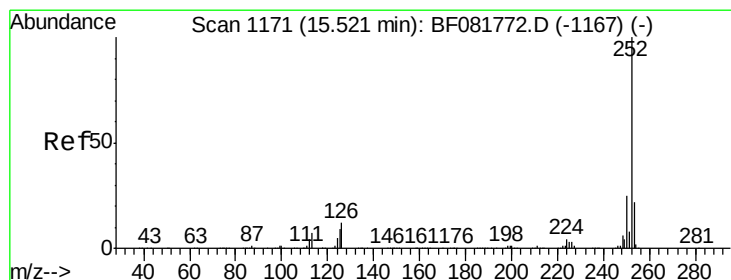
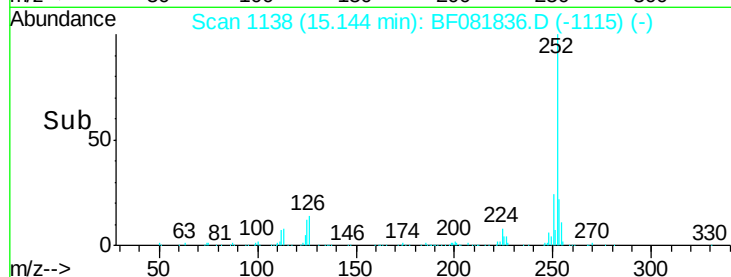
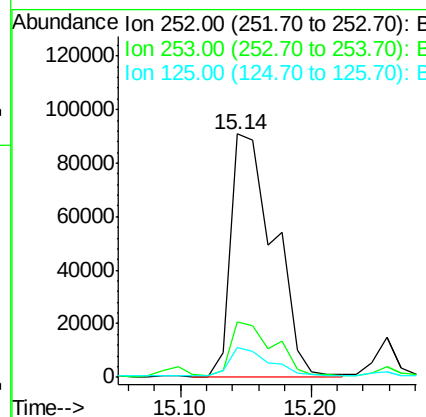
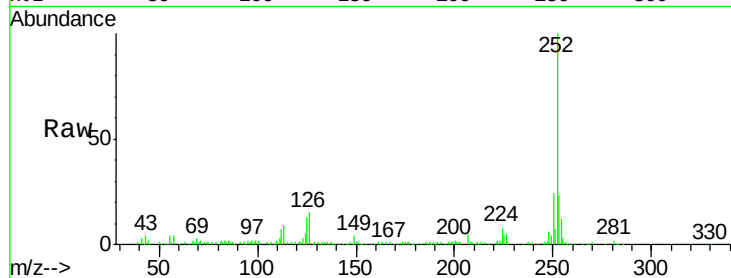




#88
Benzo(k)fluoranthene
Concen: 11.93 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

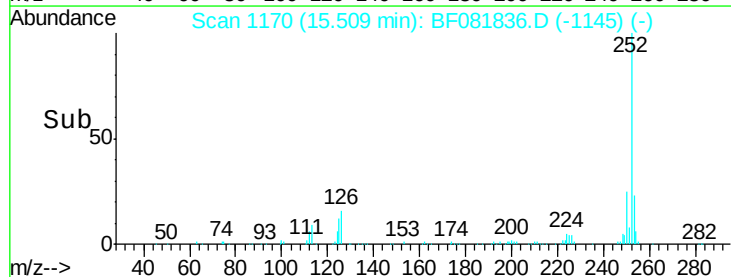
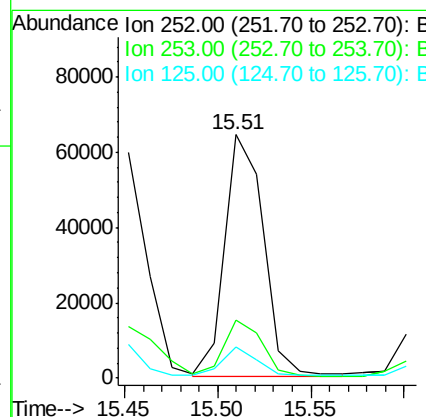
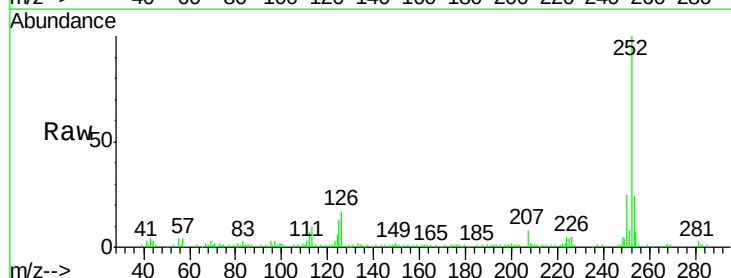
Instrument :
BNA_F
ClientSampleId :
S1-30

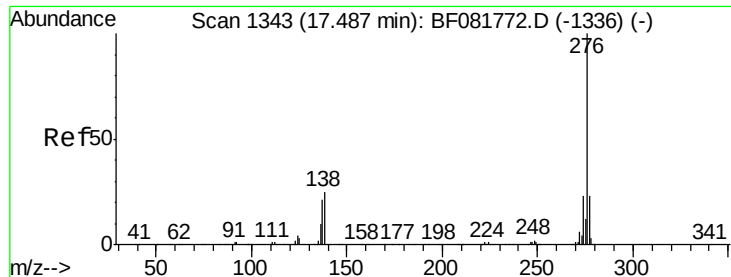
Tgt Ion: 252 Resp: 208313
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 12.5 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 5.71 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF081836.D
Acq: 26 Sep 2015 19:27

Tgt Ion: 252 Resp: 93397
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 12.5 18.0 27.0#





#91
 Benzo(g,h,i)perylene
 Concen: 3.51 ng
 RT: 17.49 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BF081836.D
 Acq: 26 Sep 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 S1-30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.8	26.6
138	18.8	34.6	51.8

