

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031915\
 Data File : BF077860.D
 Acq On : 20 Mar 2015 7:11
 Operator : TP/IZ
 Sample : G1535-01RE 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Quant Time: Mar 20 06:44:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 20 06:30:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.15	152	43869	20.00	ng	0.00
21) Naphthalene-d8	8.73	136	178473	20.00	ng	0.00
38) Acenaphthene-d10	10.90	164	86226	20.00	ng	0.00
63) Phenanthrene-d10	12.74	188	166070	20.00	ng	0.00
75) Chrysene-d12	16.04	240	187655	20.00	ng	0.01
86) Perylene-d12	17.86	264	186748	20.00	ng	0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	21242	8.45	ng	0.01
7) Phenol-d6	6.73	99	30993	9.98	ng	0.00
23) Nitrobenzene-d5	7.85	82	17260	6.34	ng	0.00
41) 2,4,6-Tribromophenol	11.88	330	3759	4.56	ng	0.00
44) 2-Fluorobiphenyl	10.08	172	45674	7.78	ng	0.00
78) Terphenyl-d14	14.73	244	51788	6.74	ng	-0.01

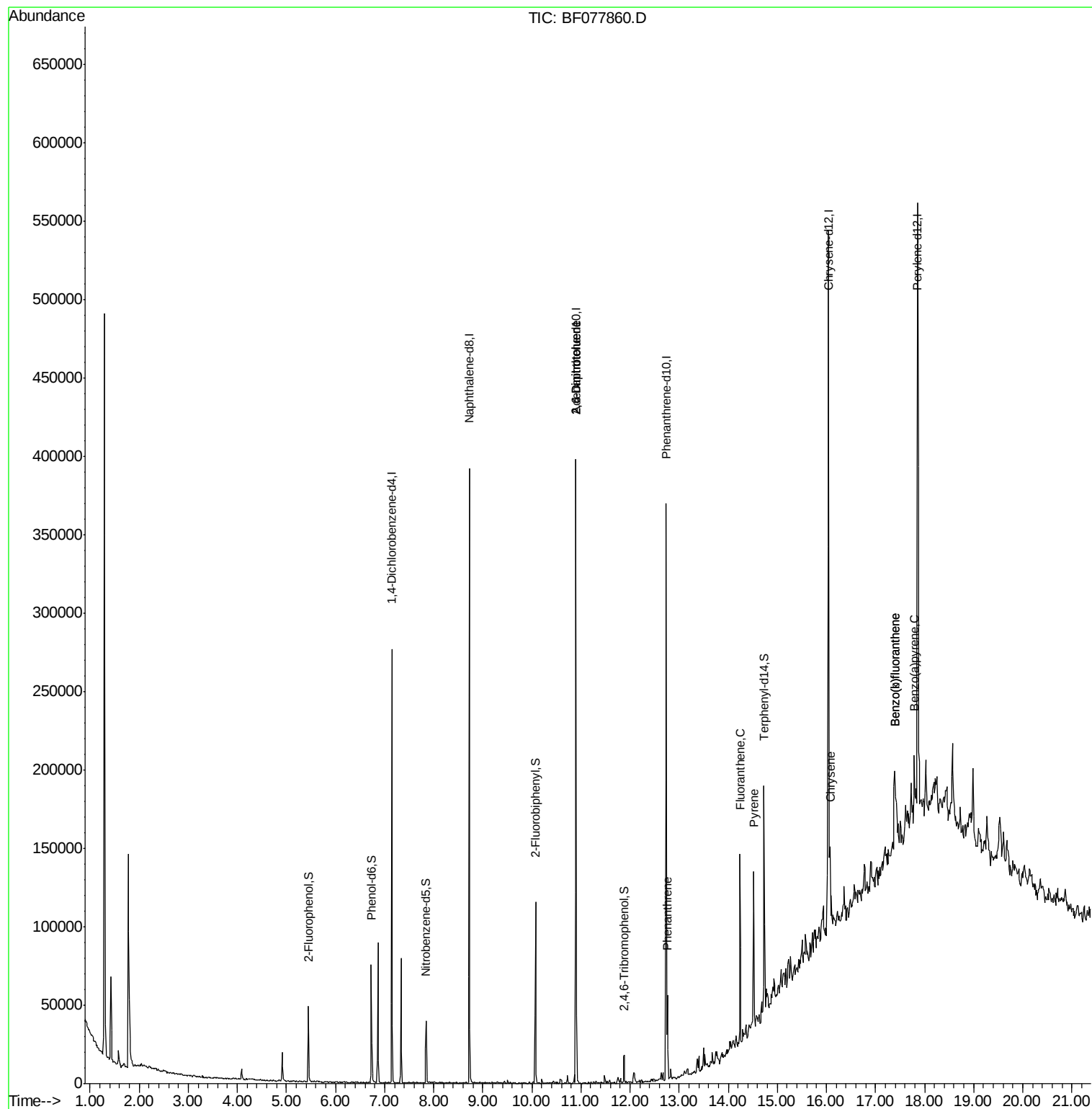
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	10.90	165	11030	8.32	ng	# 24
56) 2,4-Dinitrotoluene	10.90	165	11030	6.38	ng	# 11
70) Phenanthrene	12.76	178	23725	2.49	ng	99
74) Fluoranthene	14.24	202	57865	5.50	ng	94
77) Pyrene	14.52	202	50987	4.32	ng	98
82) Chrysene	16.08	228	26859	2.69	ng	97
87) Benzo(b)fluoranthene	17.39	252	44596	3.66	ng	# 90
88) Benzo(k)fluoranthene	17.39	252	44596	4.68	ng	# 87
89) Benzo(a)pyrene	17.79	252	20522	2.02	ng	# 87

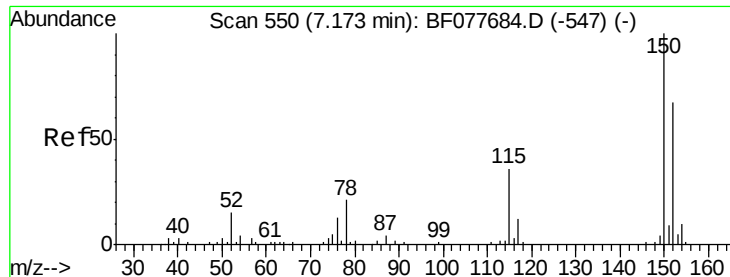
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.15 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE

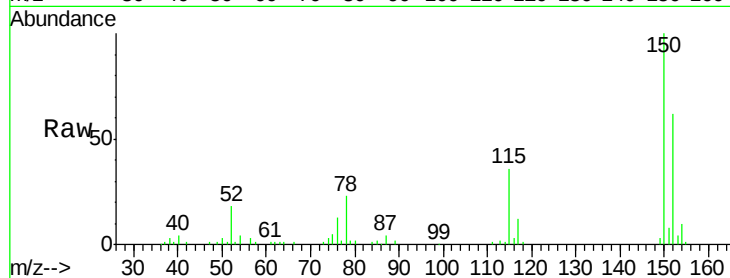
Tgt Ion:152 Resp: 43869

Ion Ratio Lower Upper

152 100

150 162.0 119.5 179.3

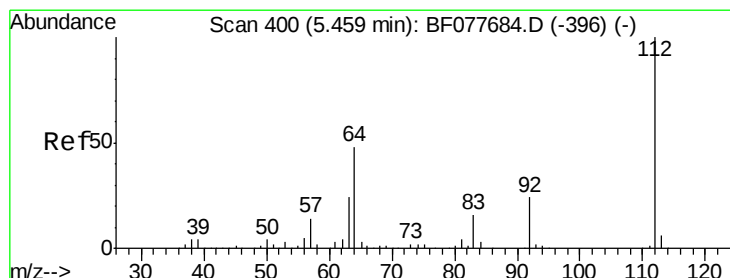
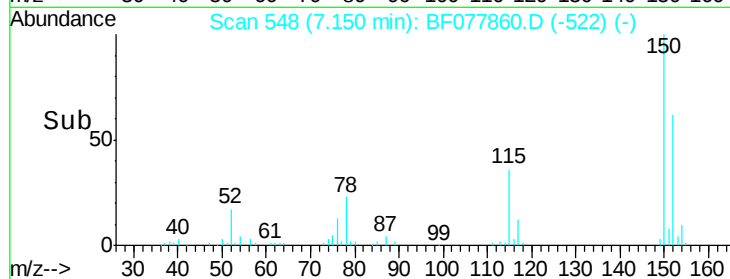
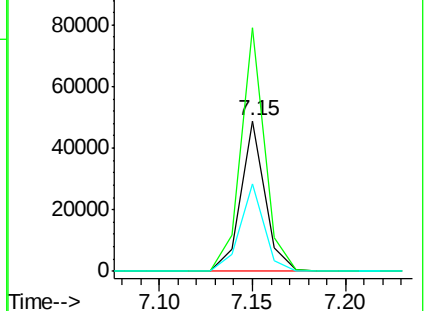
115 58.4 43.0 64.4



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: 8.45 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

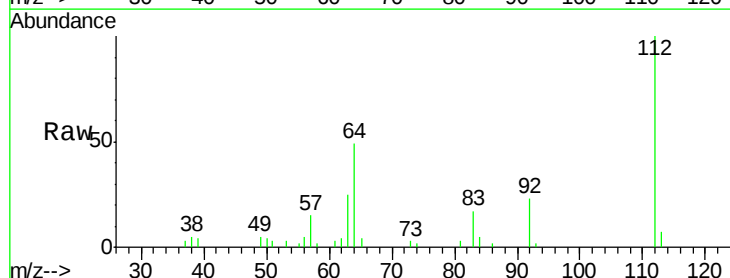
Tgt Ion:112 Resp: 21242

Ion Ratio Lower Upper

112 100

64 49.3 38.6 57.8

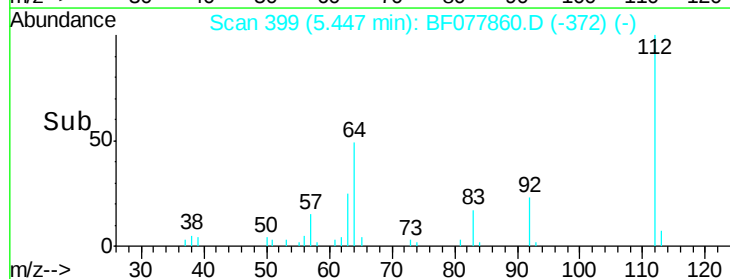
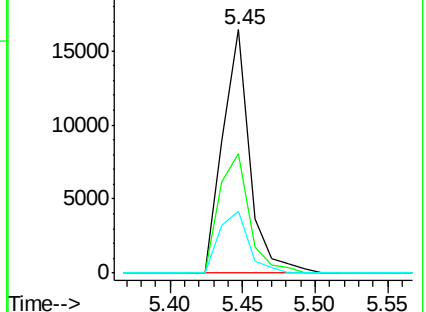
63 25.4 19.3 28.9

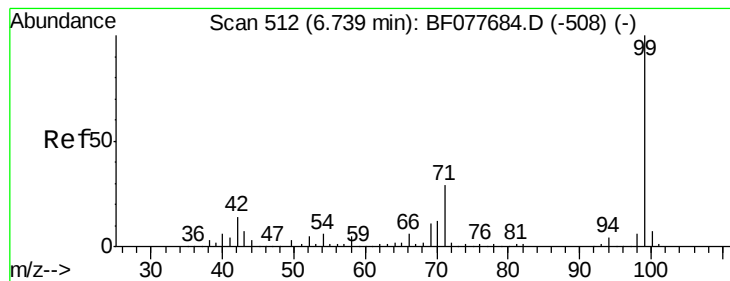


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.98 ng

RT: 6.73 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE

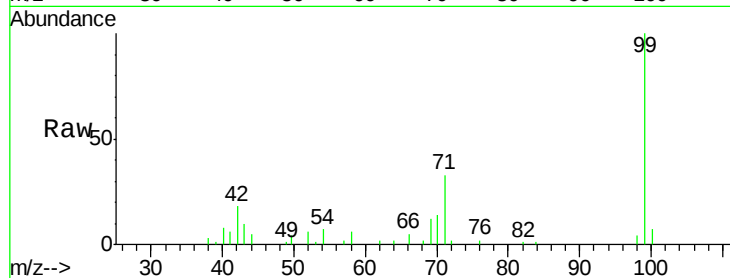
Tgt Ion: 99 Resp: 30993

Ion Ratio Lower Upper

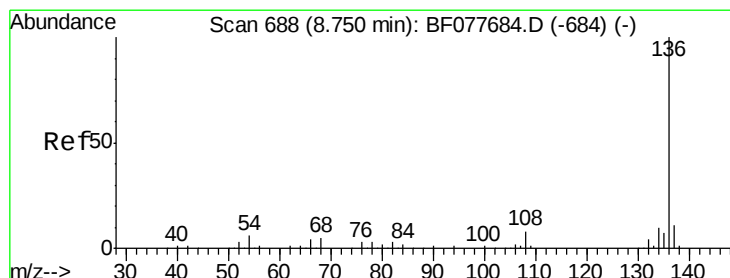
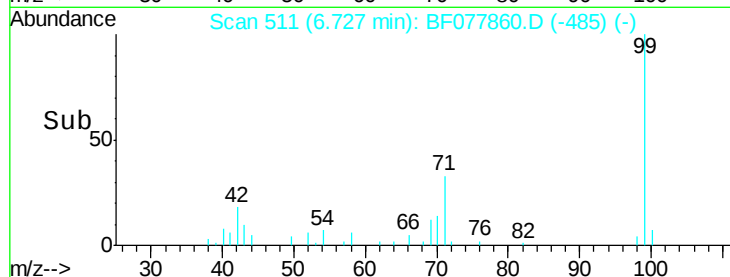
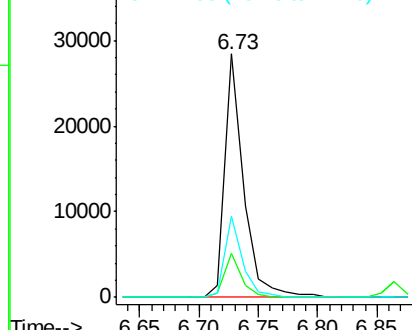
99 100

42 17.8 11.0 16.4#

71 33.2 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.73 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Tgt Ion: 136 Resp: 178473

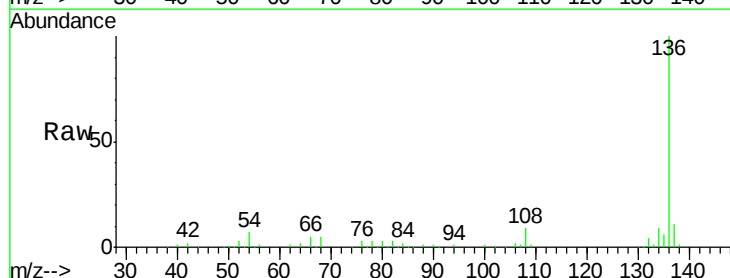
Ion Ratio Lower Upper

136 100

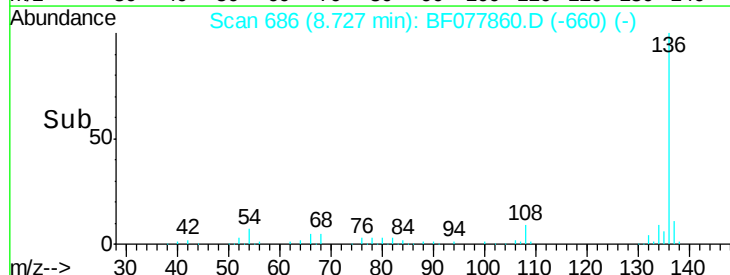
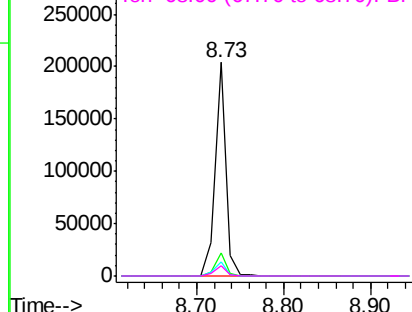
137 10.8 8.7 13.1

54 6.5 4.6 6.8

68 5.1 3.7 5.5



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

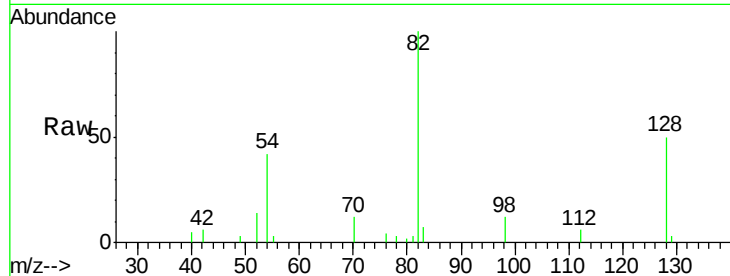




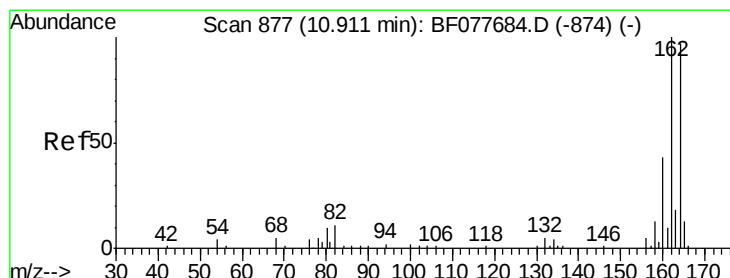
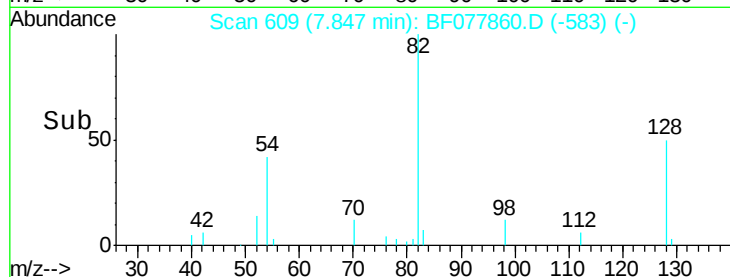
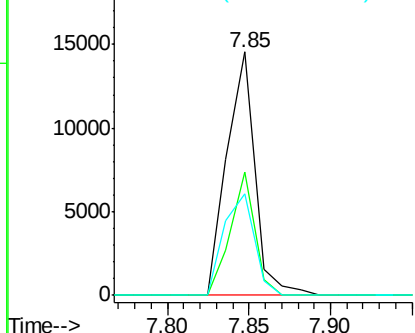
#23
 Nitrobenzene-d5
 Concen: 6.34 ng
 RT: 7.85 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Instrument :
 BNA_M
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tgt Ion: 82 Resp: 17260
 Ion Ratio Lower Upper
 82 100
 128 50.4 32.8 49.2#
 54 41.9 40.6 60.8

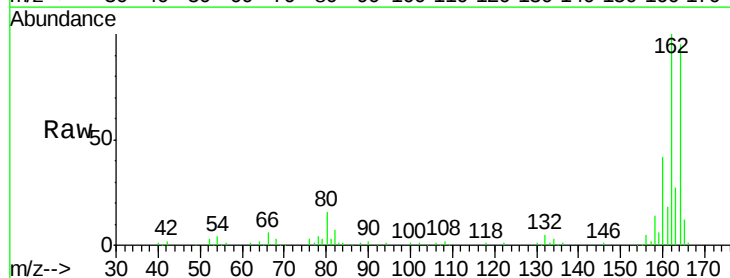


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

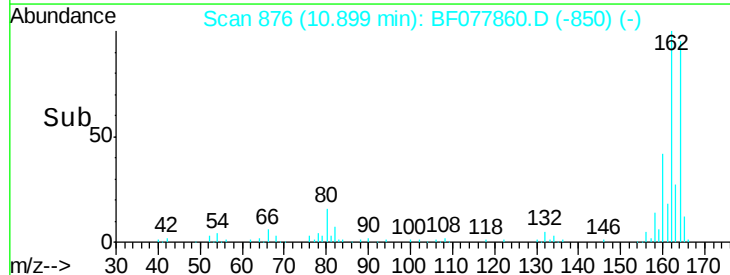
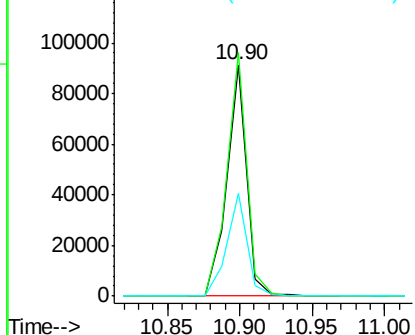


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion: 164 Resp: 86226
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.4 123.6
 160 44.6 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

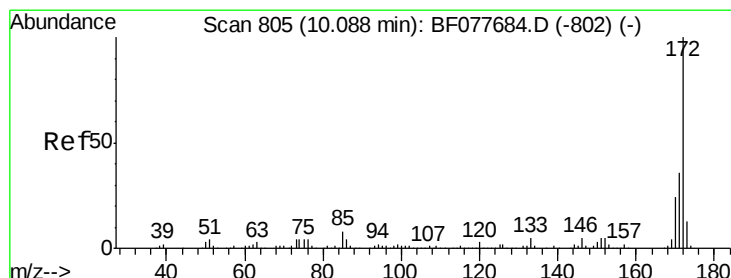
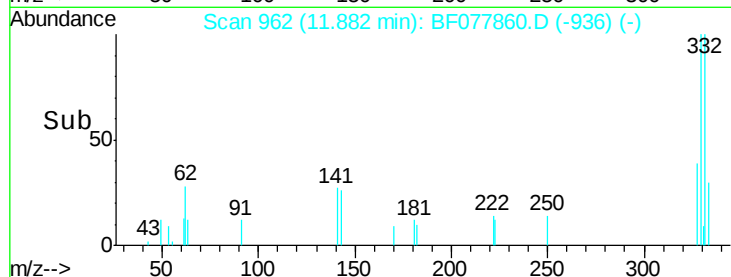
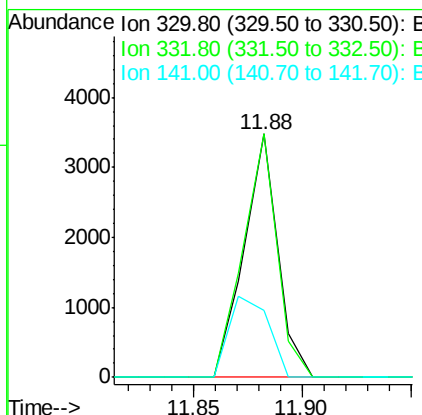
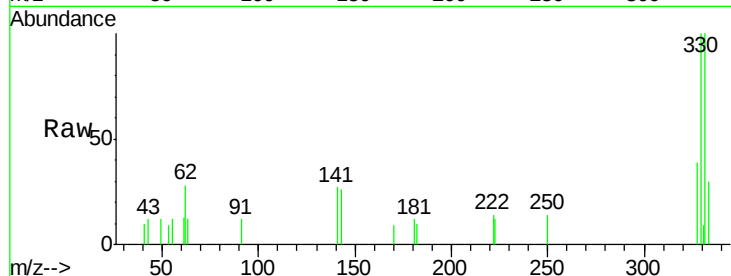




#41
 2,4,6-Tribromophenol
 Concen: 4.56 ng
 RT: 11.88 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

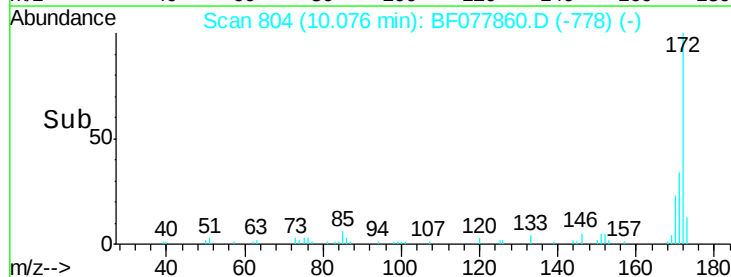
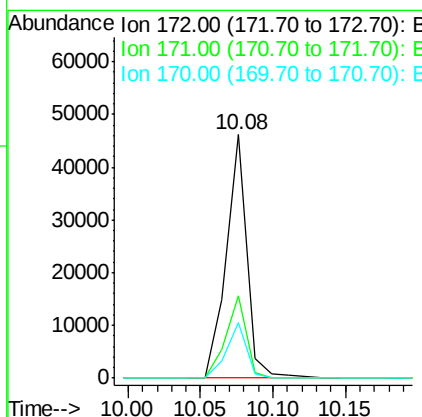
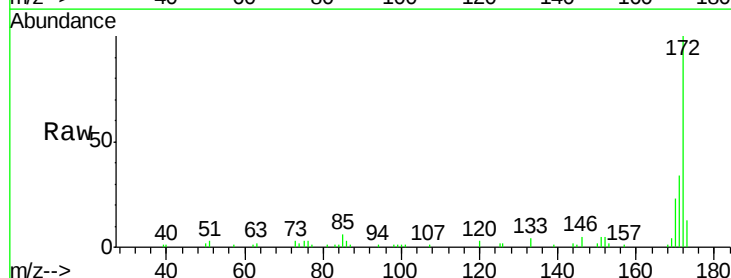
Instrument :
 BNA_M
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

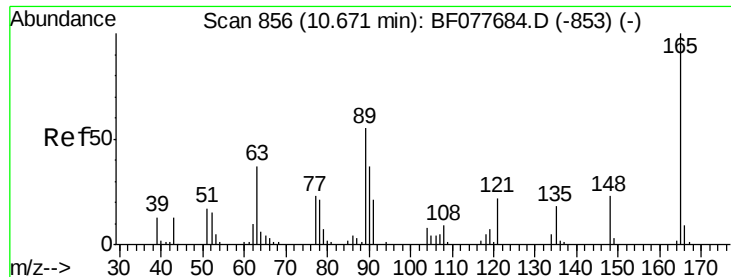
Tgt Ion:330 Resp: 3759
 Ion Ratio Lower Upper
 330 100
 332 99.9 0.0 0.0#
 141 38.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 7.78 ng
 RT: 10.08 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion:172 Resp: 45674
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.5 42.7
 170 22.9 18.8 28.2

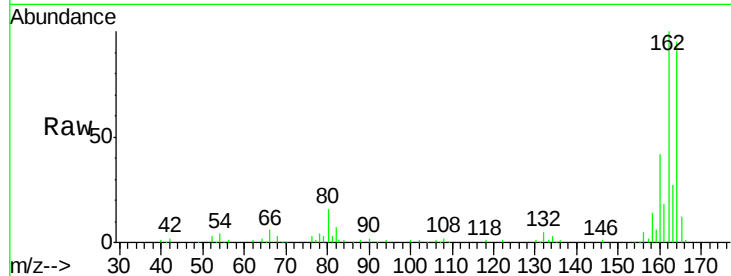




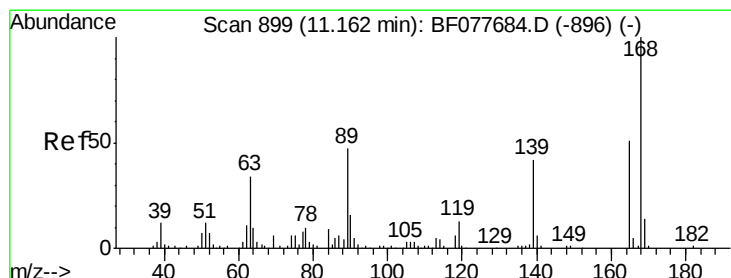
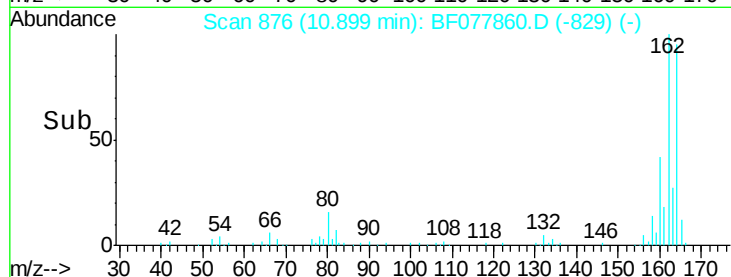
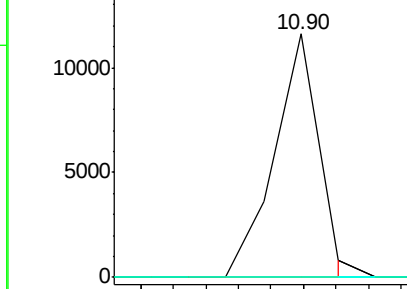
#50
 2,6-Dinitrotoluene
 Concen: 8.32 ng
 RT: 10.90 min Scan# 876
 Delta R.T. 0.24 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Instrument :
 BNA_M
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#

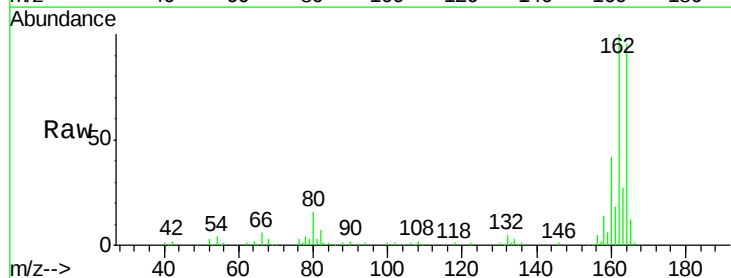


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

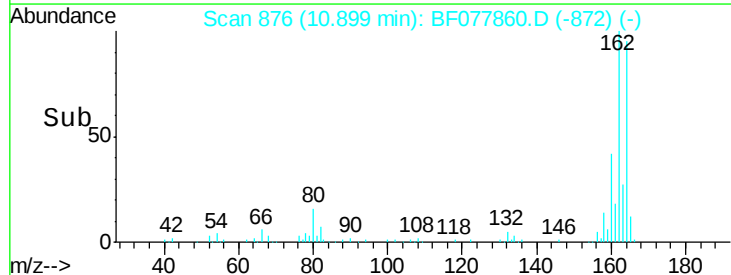
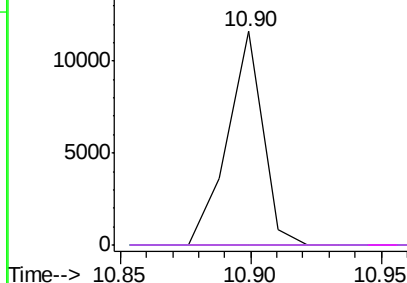


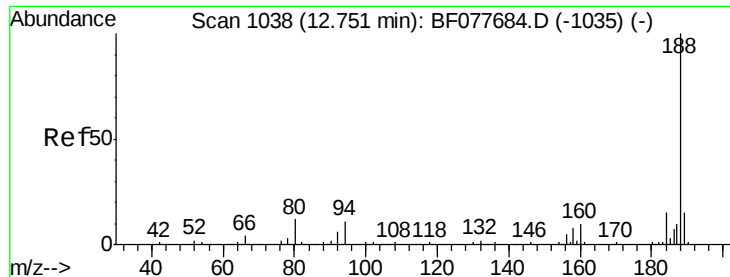
#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 10.90 min Scan# 876
 Delta R.T. -0.25 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#



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

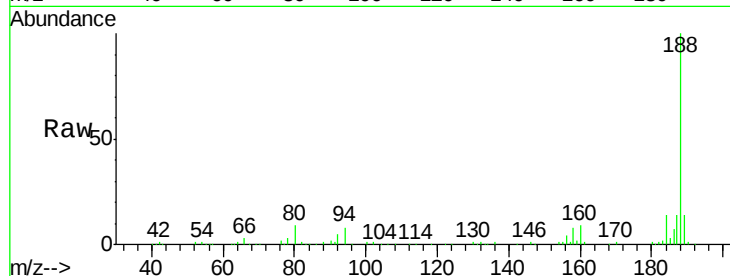




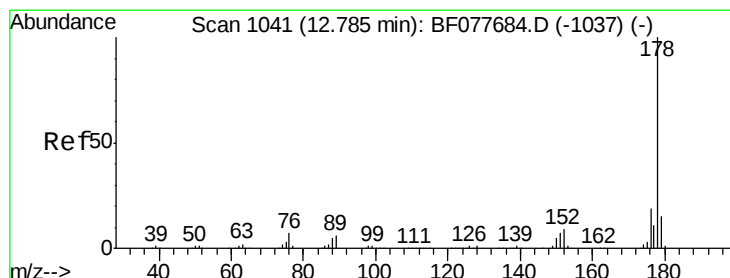
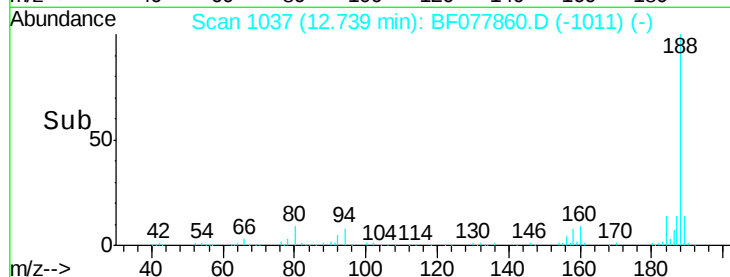
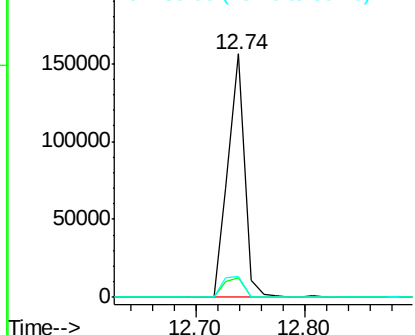
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.74 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

Instrument :
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COMP1B-1-B-5(0-6)RE

Tgt Ion:188 Resp: 166070
Ion Ratio Lower Upper
188 100
94 8.2 8.7 13.1#
80 8.5 9.3 13.9#

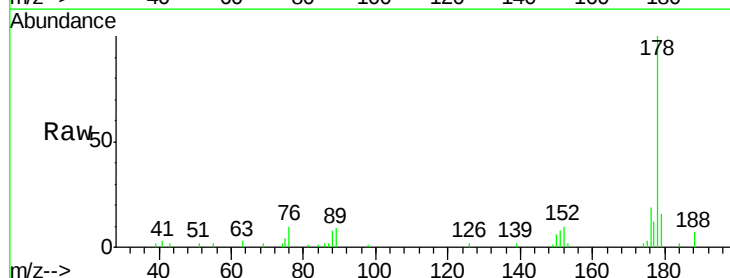


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

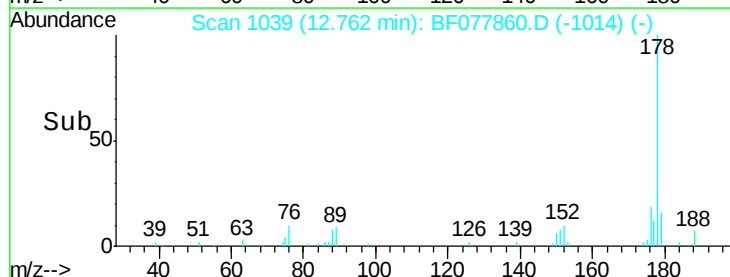
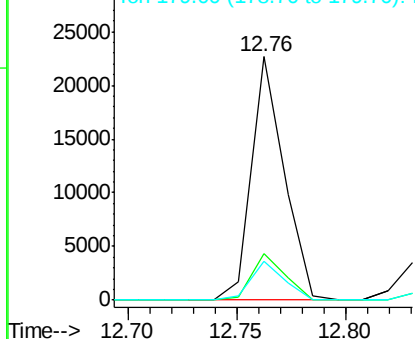


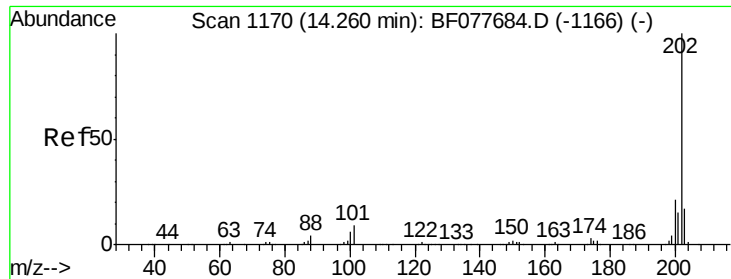
#70
Phenanthrene
Concen: 2.49 ng
RT: 12.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

Tgt Ion:178 Resp: 23725
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 16.1 12.1 18.1



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

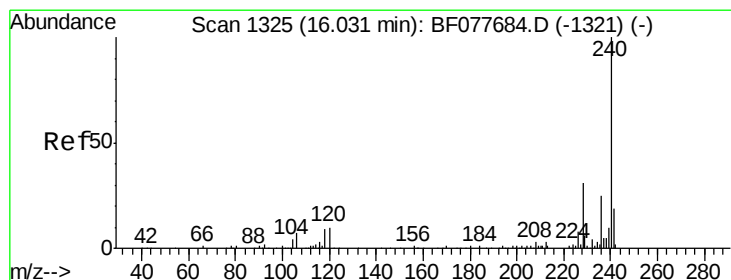
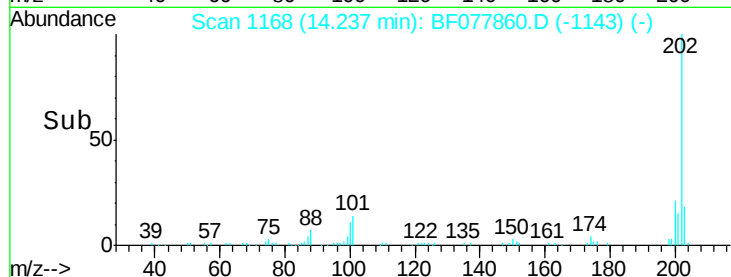
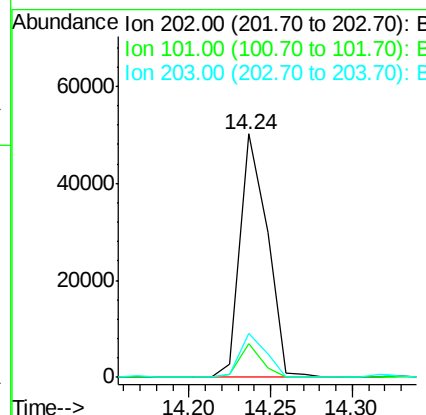
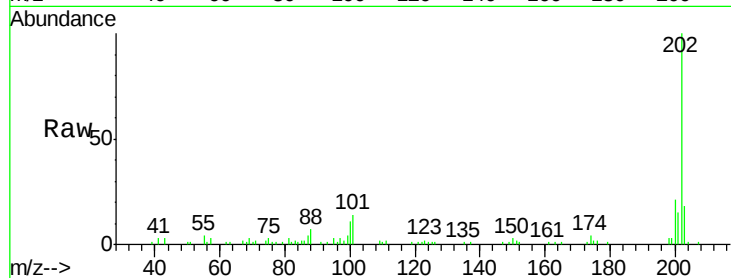




#74
Fluoranthene
Concen: 5.50 ng
RT: 14.24 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

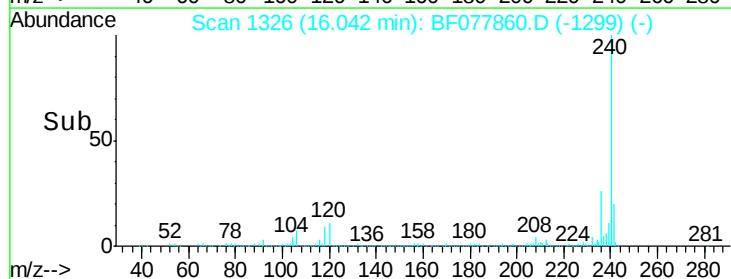
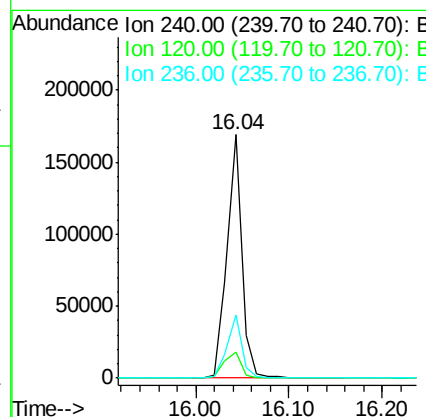
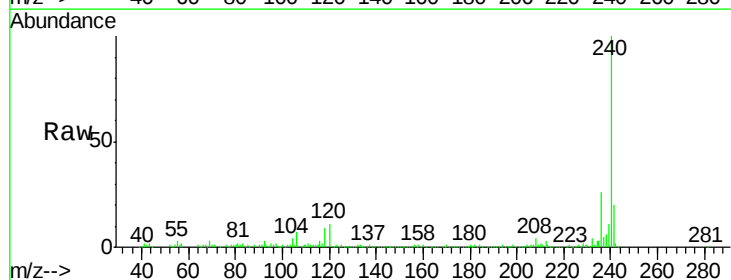
Instrument :
BNA_M
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COMP1B-1-B-5(0-6)RE

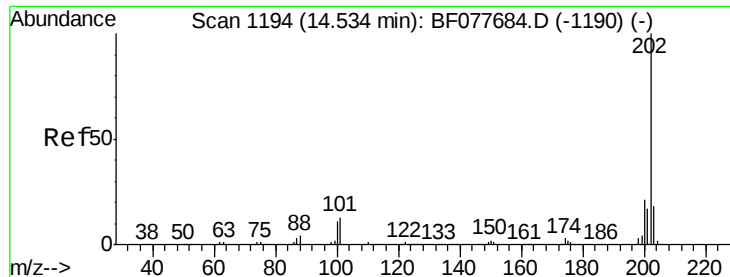
Tgt Ion: 202 Resp: 57865
Ion Ratio Lower Upper
202 100
101 14.1 0.0 28.7
203 18.1 0.0 37.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.04 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

Tgt Ion: 240 Resp: 187655
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 26.0 20.0 30.0





#77

Pyrene

Concen: 4.32 ng

RT: 14.52 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE

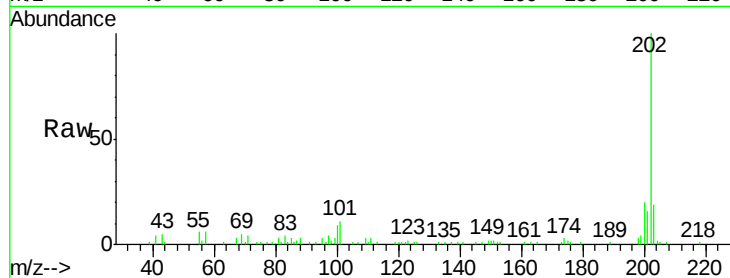
Tgt Ion:202 Resp: 50987

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

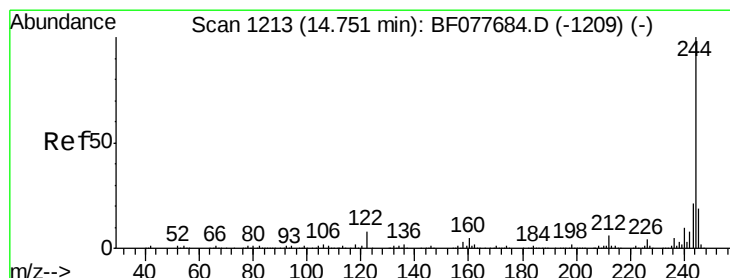
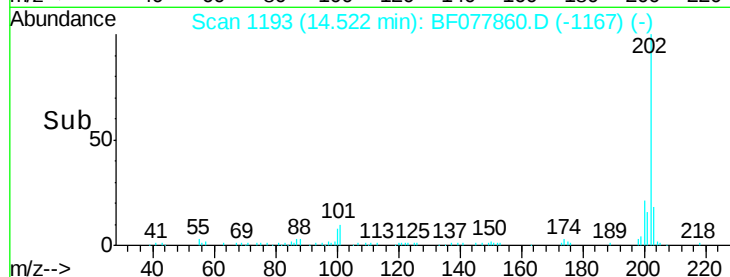
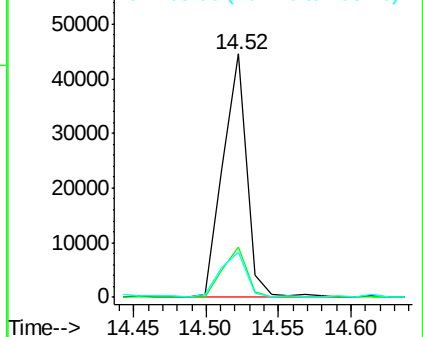
203 18.5 14.1 21.1



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: 6.74 ng

RT: 14.73 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

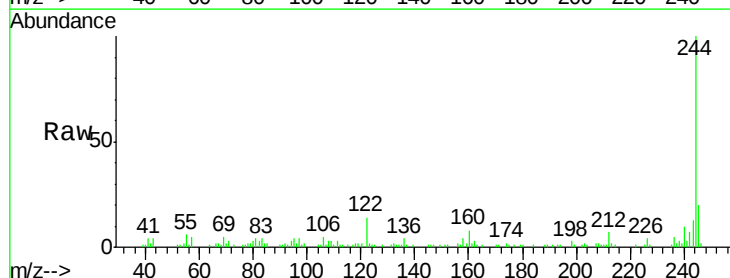
Tgt Ion:244 Resp: 51788

Ion Ratio Lower Upper

244 100

212 6.7 4.9 7.3

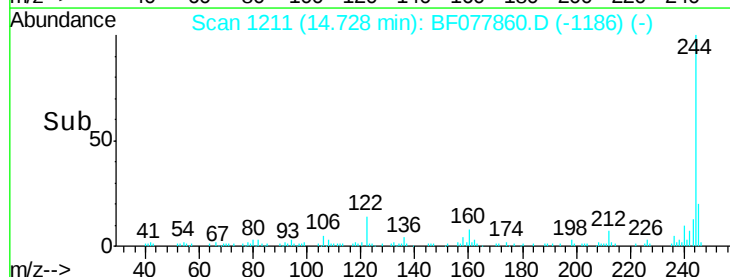
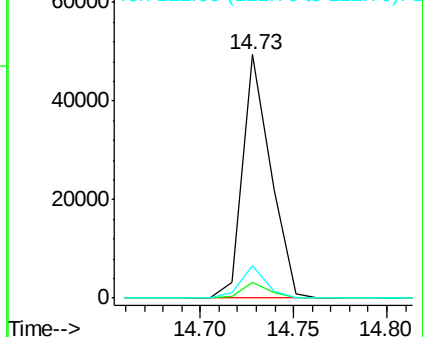
122 13.6 6.2 9.4#

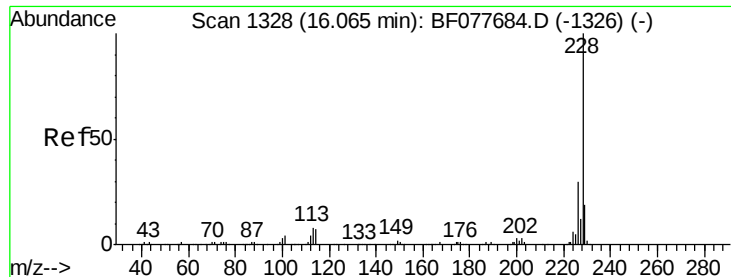


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.69 ng

RT: 16.08 min Scan# 1329

Delta R.T. 0.02 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE

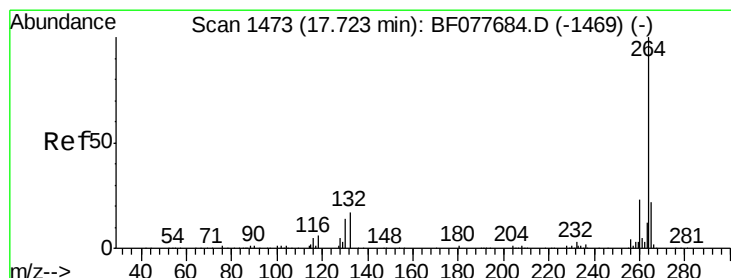
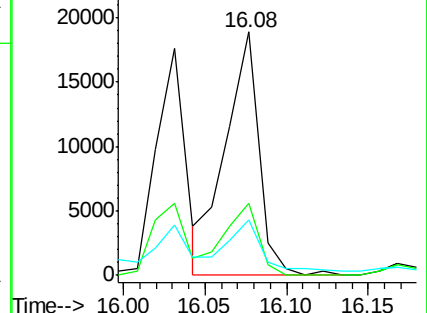
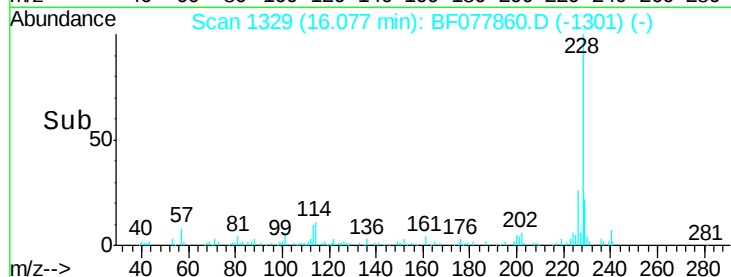
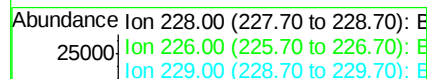
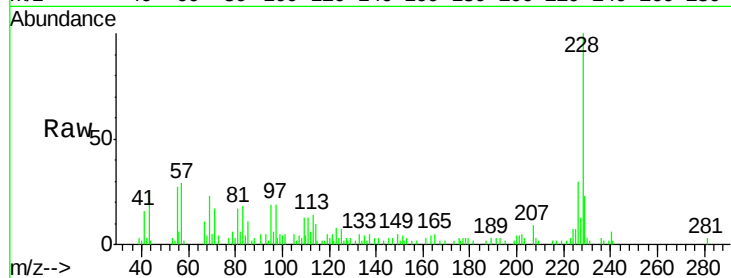
Tgt Ion:228 Resp: 26859

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 22.6 15.5 23.3



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.86 min Scan# 1485

Delta R.T. 0.10 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

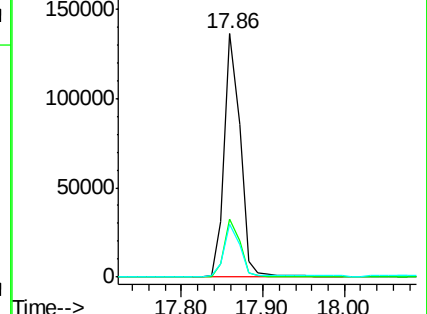
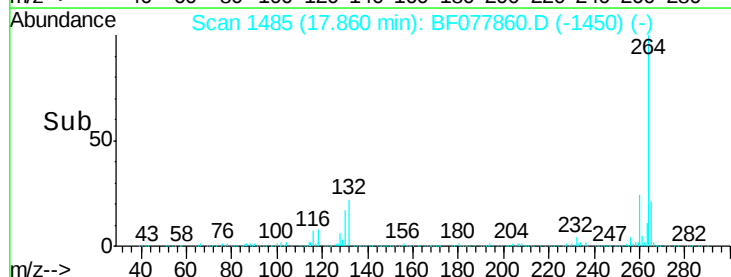
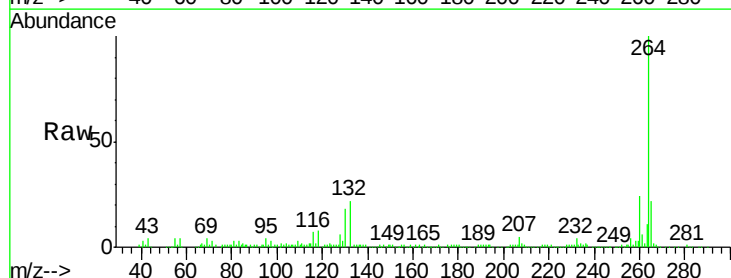
Tgt Ion:264 Resp: 186748

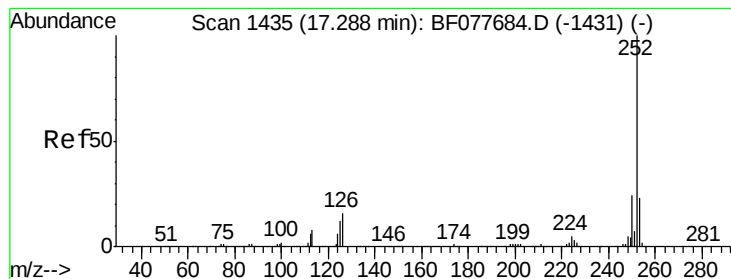
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.7 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 3.66 ng

RT: 17.39 min Scan# 1444

Delta R.T. 0.08 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE

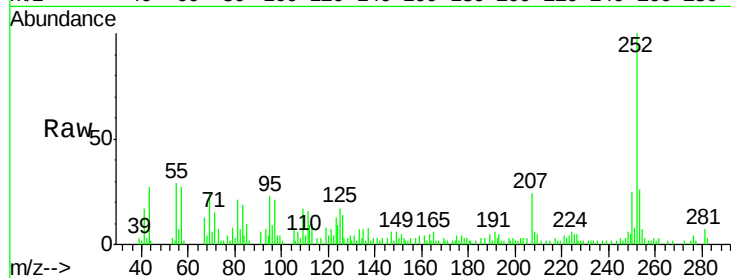
Tgt Ion:252 Resp: 44596

Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

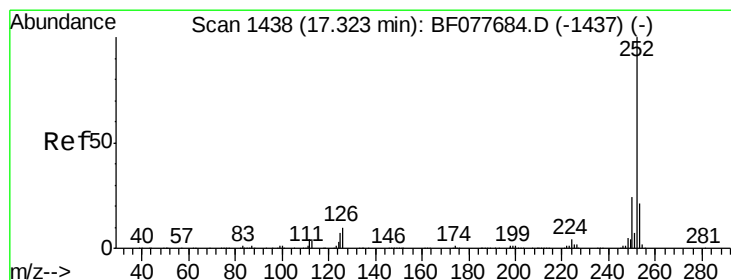
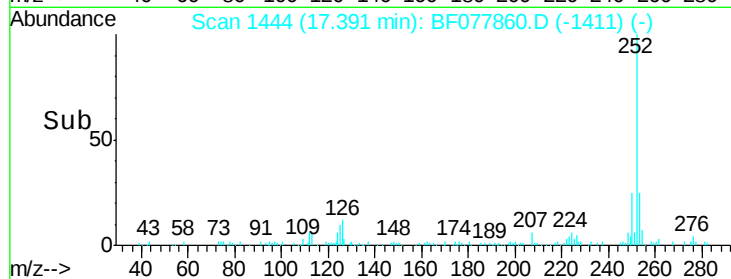
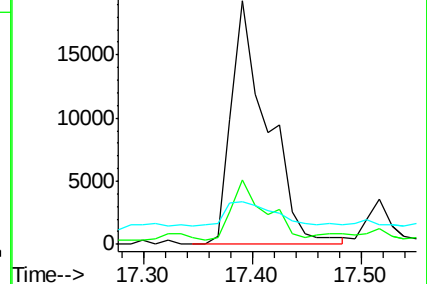
125 17.4 9.9 14.9#



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



#88

Benzo(k)fluoranthene

Concen: 4.68 ng

RT: 17.39 min Scan# 1444

Delta R.T. 0.05 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

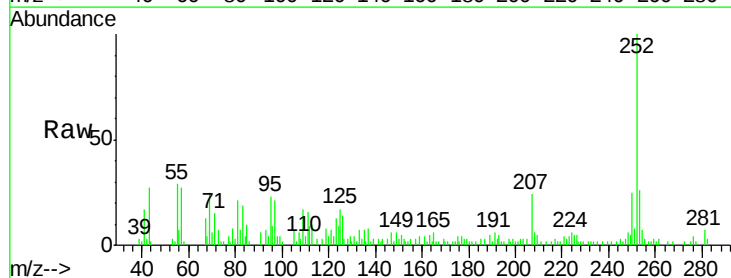
Tgt Ion:252 Resp: 44596

Ion Ratio Lower Upper

252 100

253 26.3 17.2 25.8#

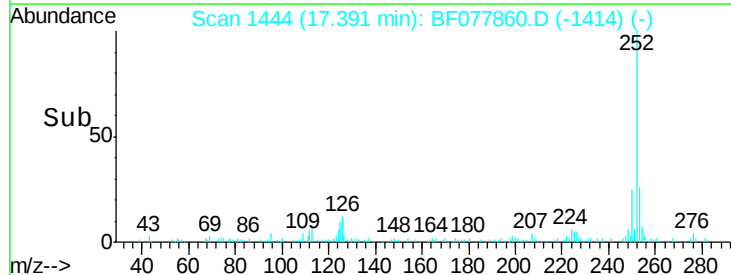
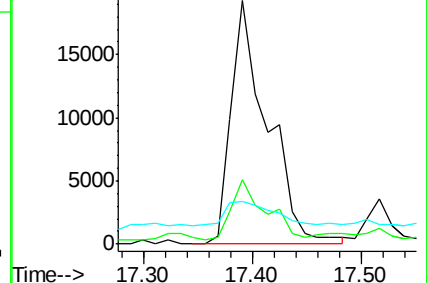
125 17.4 8.1 12.1#

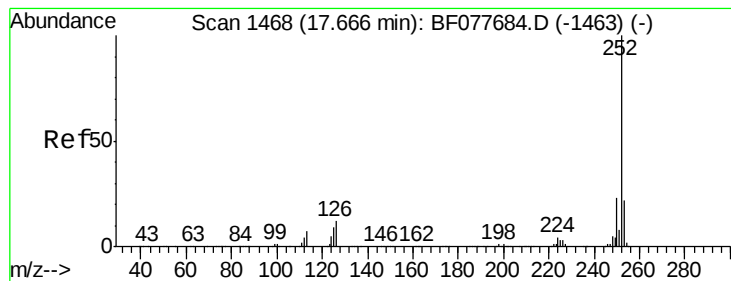


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 17.79 min Scan# 1479

Delta R.T. 0.09 min

Lab File: BF077860.D

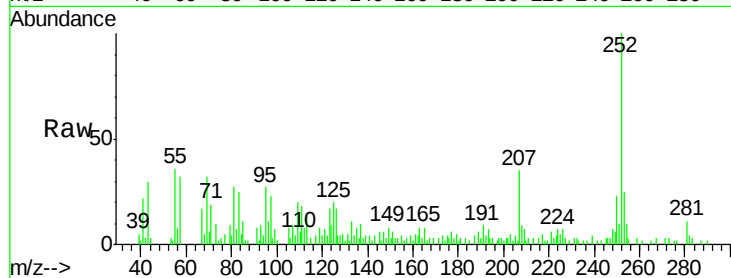
Acq: 20 Mar 2015 7:11

Instrument :

BNA_M

ClientSampleId :

COMP1B-1-B-5(0-6)RE



Tgt Ion:	252	Resp:	20522
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	20.1	7.4	11.2#

