

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001860.D
 Acq On : 07 Jul 2015 09:59
 Operator : TP/UM
 Sample : G2861-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L7

Quant Time: Jul 08 02:16:41 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 02:11:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	58020	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	223679	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	131392	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	297651	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	364429	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	364661	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	3902	3.21	ng/uL	0.00
5) Phenol-d5	6.83	99	71735	16.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	43952	17.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	61988	17.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	21905	6.12	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	29039	18.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	29814	17.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	60532	16.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	34478	9.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	183990	18.88	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	225823	17.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	23574	13.11	ng/ul	0.00
57) Fluorene-d10	15.31	176	162203	17.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	19321	10.63	ng/ul	0.00
70) Anthracene-d10	17.16	188	256094	18.47	ng/ul	0.00
78) Pyrene-d10	19.46	212	276456	17.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	274587	17.08	ng/ul	0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	2.88	88	11294	8.13 ng/uL#	1
14) Acetophenone	8.48	105	13770	2.42 ng/ul	98
28) Naphthalene	10.50	128	74685	6.61 ng/ul	99
34) 2-Methylnaphthalene	12.12	142	13894	1.70 ng/ul	90
44) Dimethylphthalate	13.77	163	65046	6.11 ng/ul	100
47) Acenaphthylene	14.04	152	158560	12.18 ng/ul	99
49) Acenaphthene	14.38	153	97295	11.18 ng/ul	99
53) Dibenzofuran	14.72	168	23602	1.89 ng/ul	92
58) Fluorene	15.36	166	98163	9.46 ng/ul	98
64) N-Nitrosodiphenylamine	15.57	169	12891	1.48 ng/ul	97
69) Phenanthrene	17.10	178	134807	8.35 ng/ul	96
71) Anthracene	17.19	178	117711	7.10 ng/ul	97
76) Fluoranthene	19.13	202	1082002	56.05 ng/ul	99
79) Pyrene	19.50	202	1406697	69.58 ng/ul	98
82) Benzo(a)anthracene	21.24	228	645654	30.32 ng/ul	92
84) Chrysene	21.30	228	580150	28.74 ng/ul	98
87) Benzo(b)fluoranthene	22.82	252	764267	36.00 ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	206152	10.05 ng/ul	98
90) Benzo(a)pyrene	23.39	252	746395	36.14 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.73	276	487587	19.91 ng/ul#	96
92) Dibenzo(a,h)anthracene	25.73	278	121951	5.90 ng/ul#	86
93) Benzo(g,h,i)perylene	26.42	276	471947	22.92 ng/ul	96

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Instrument :
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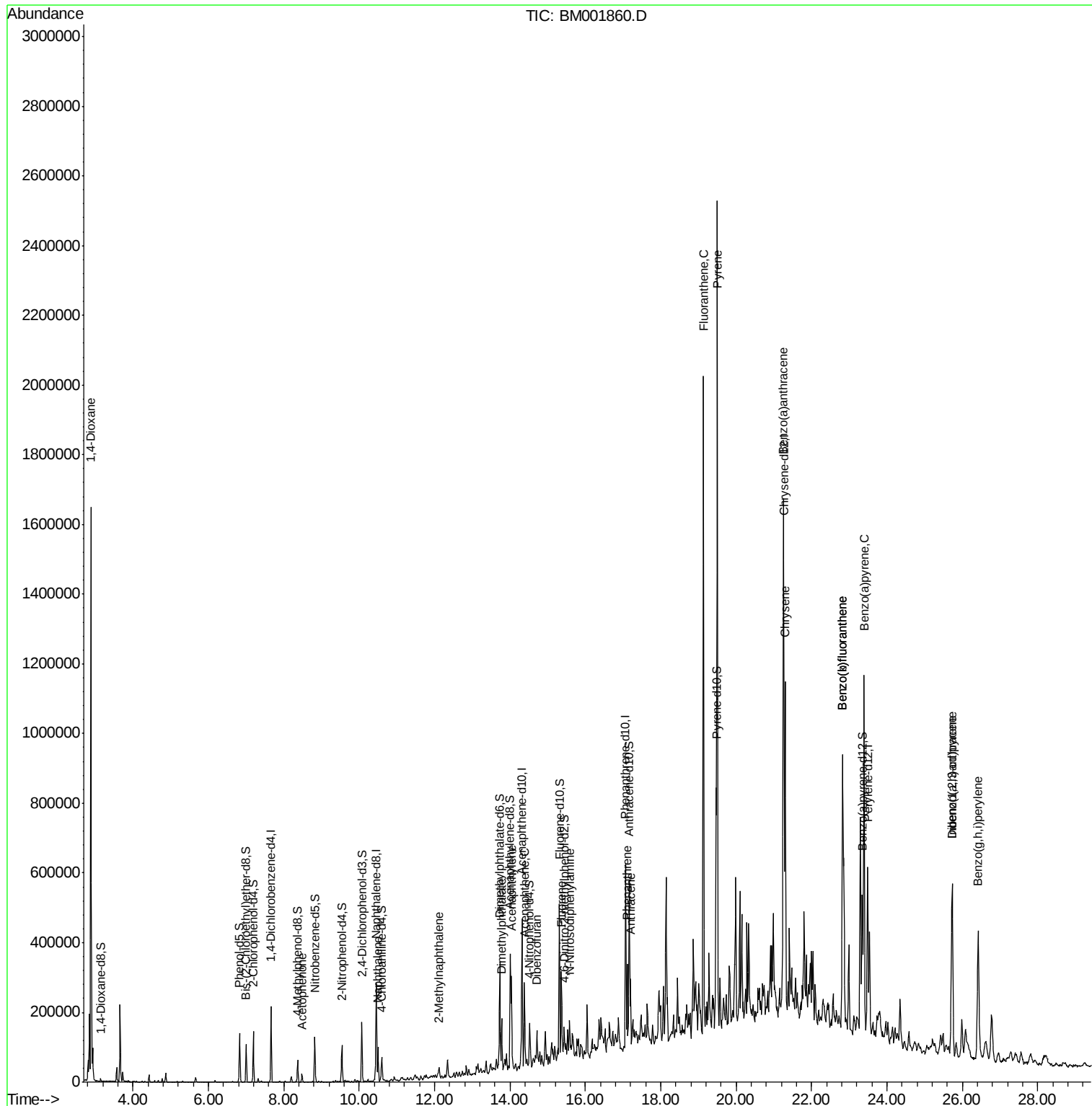
Quant Time: Jul 08 02:16:41 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 08 02:11:29 2015
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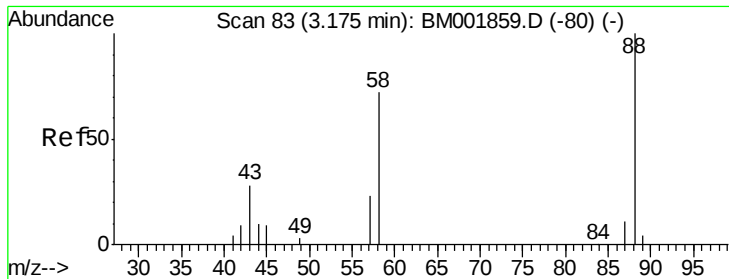
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM001860.D  
Acq On    : 07 Jul 2015   09:59  
Operator  : TP/UM  
Sample    : G2861-13  
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#2

1,4-Dioxane

Concen: 8.13 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

BNA_M

ClientSampleId :

G93L7

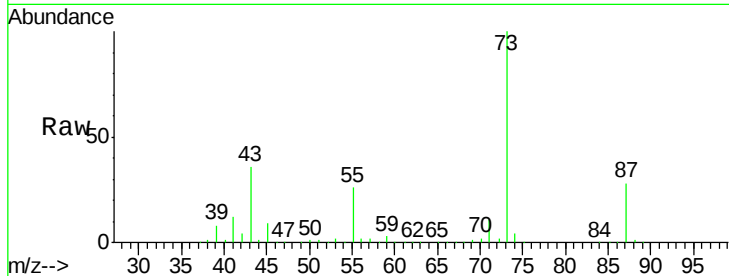
Tgt Ion: 88 Resp: 11294

Ion Ratio Lower Upper

88 100

43 2356.4 24.2 36.4#

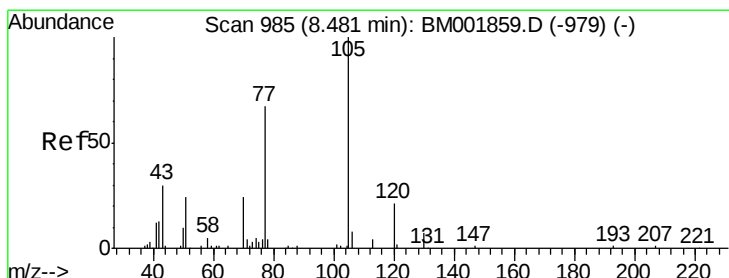
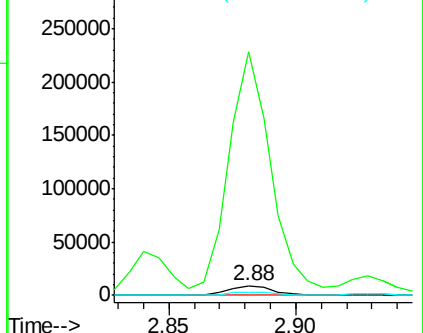
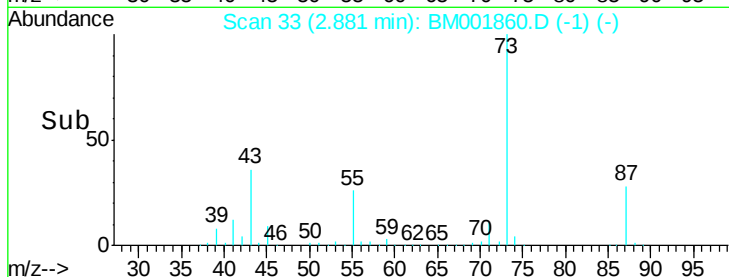
58 32.0 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001859.D (-80) (-)

Ion 43.00 (42.70 to 43.70): BM001859.D (-80) (-)

Ion 58.00 (57.70 to 58.70): BM001859.D (-80) (-)



#14

Acetophenone

Concen: 2.42 ng/uL

RT: 8.48 min Scan# 985

Delta R.T. 0.00 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

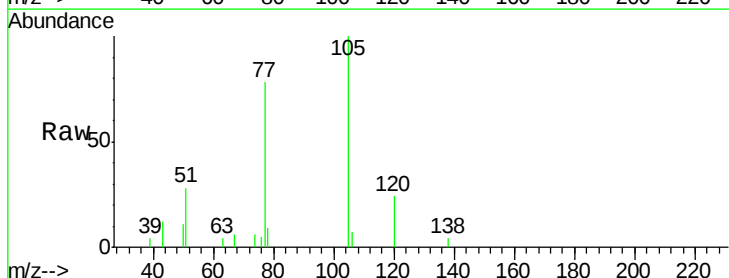
Tgt Ion: 105 Resp: 13770

Ion Ratio Lower Upper

105 100

77 78.0 64.2 96.4

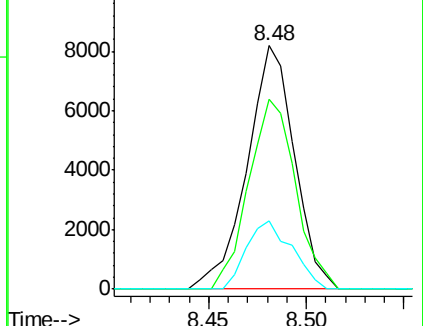
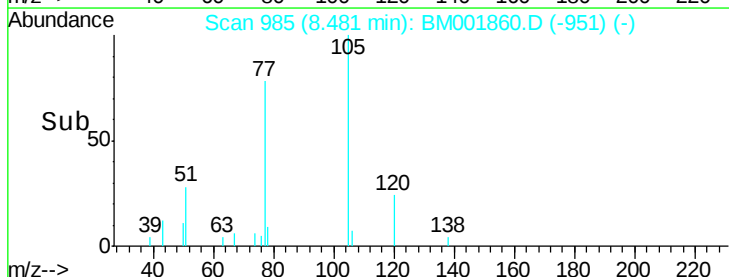
51 28.0 22.0 33.0

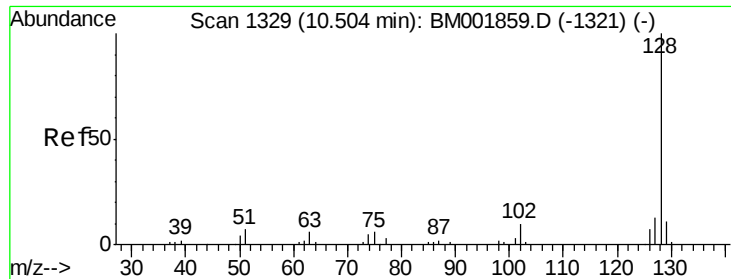


Abundance Ion 105.00 (104.70 to 105.70): BM001859.D (-979) (-)

Ion 77.00 (76.70 to 77.70): BM001859.D (-979) (-)

Ion 51.00 (50.70 to 51.70): BM001859.D (-979) (-)

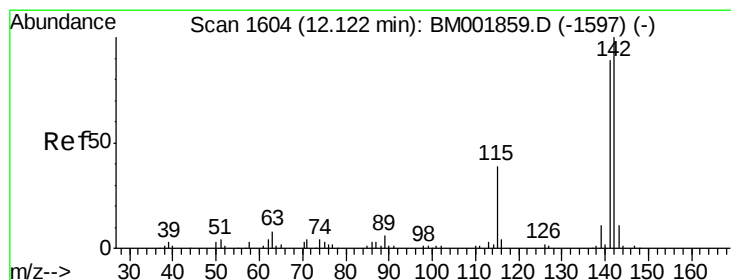
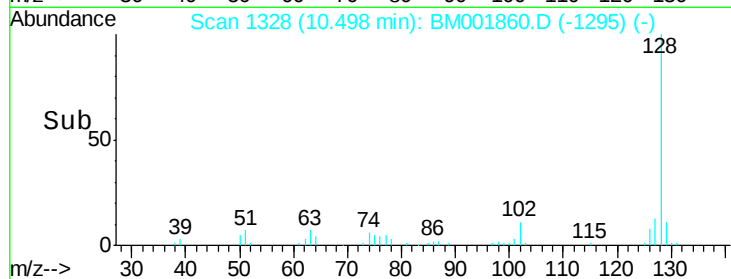
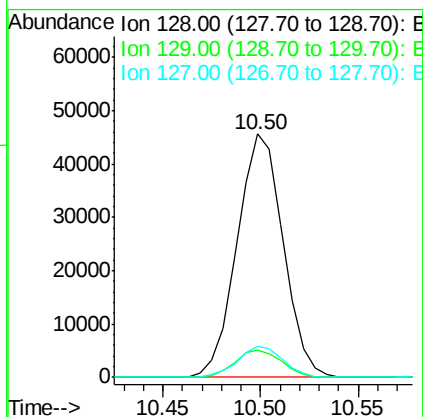
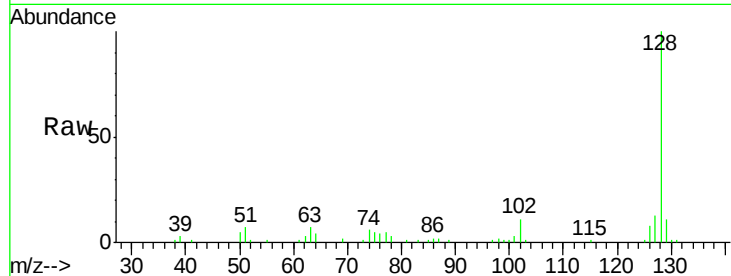




#28
Naphthalene
Concen: 6.61 ng/ul
RT: 10.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

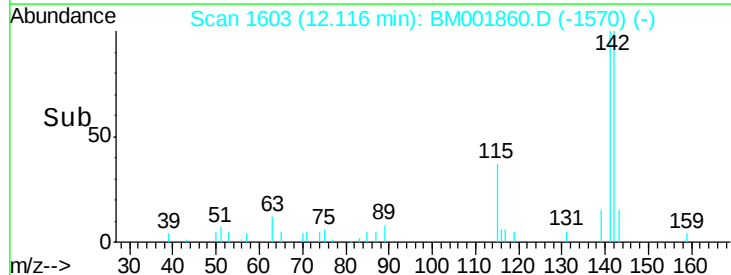
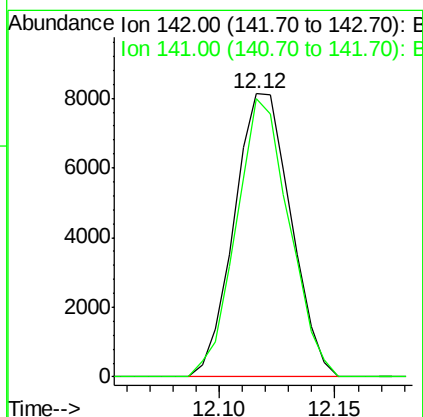
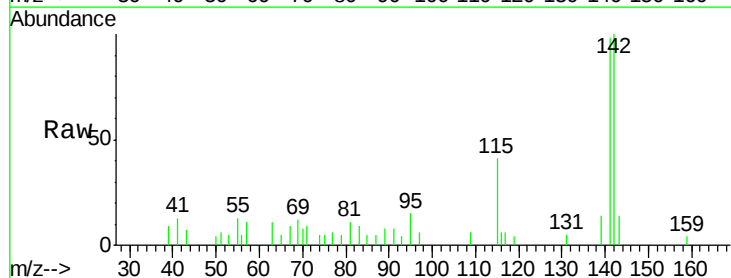
Instrument :
BNA_M
ClientSampleId :
G93L7

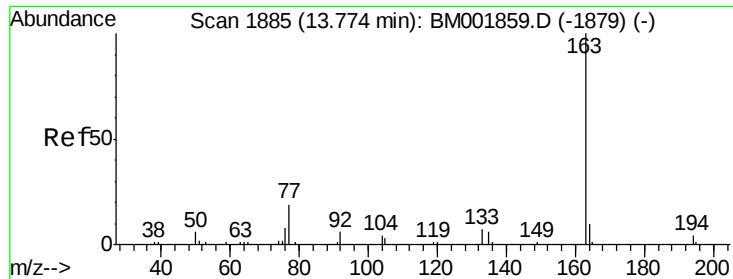
Tgt Ion:128 Resp: 74685
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 12.6 10.0 15.0



#34
2-Methylnaphthalene
Concen: 1.70 ng/ul
RT: 12.12 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

Tgt Ion:142 Resp: 13894
Ion Ratio Lower Upper
142 100
141 98.5 71.6 107.4





#44

Dimethylphthalate

Concen: 6.11 ng/ul

RT: 13.77 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

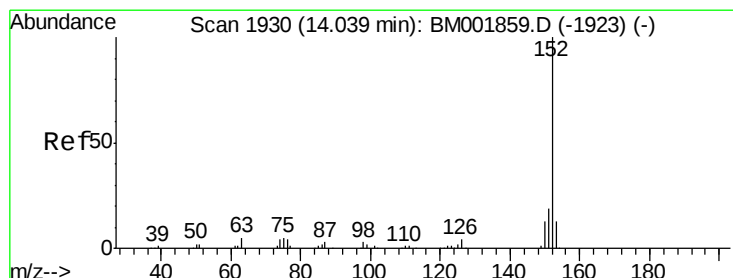
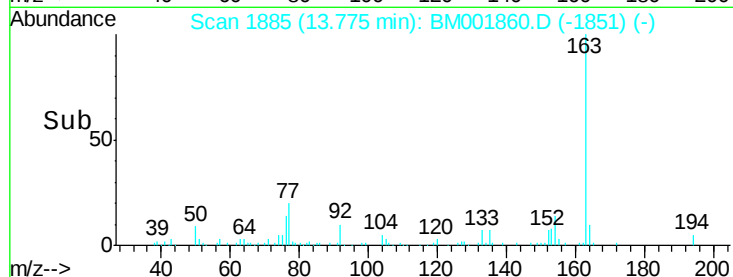
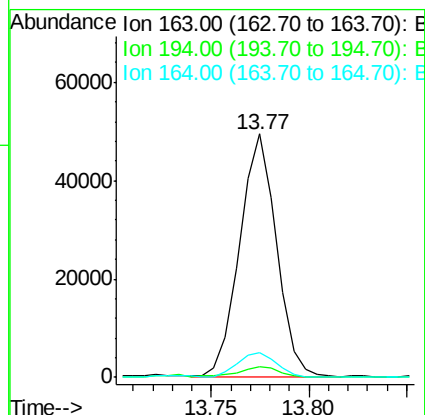
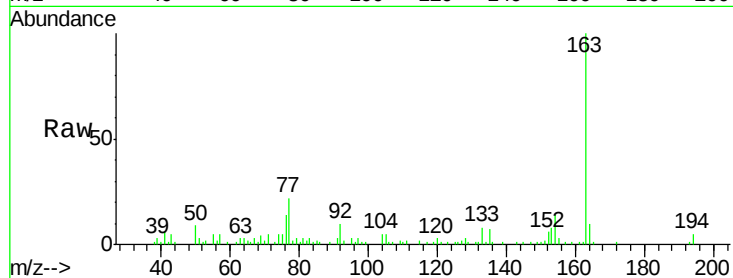
BNA_M

ClientSampleId :

G93L7

Tgt Ion:163 Resp: 65046

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.1	8.0	12.0



#47

Acenaphthylene

Concen: 12.18 ng/ul

RT: 14.04 min Scan# 1930

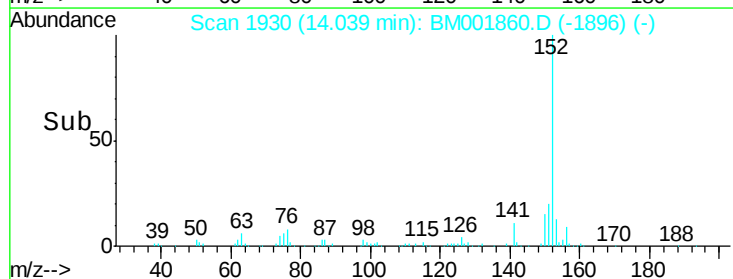
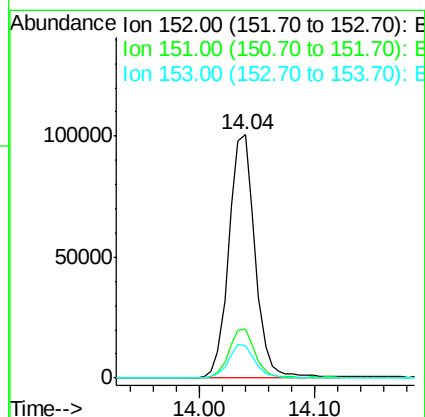
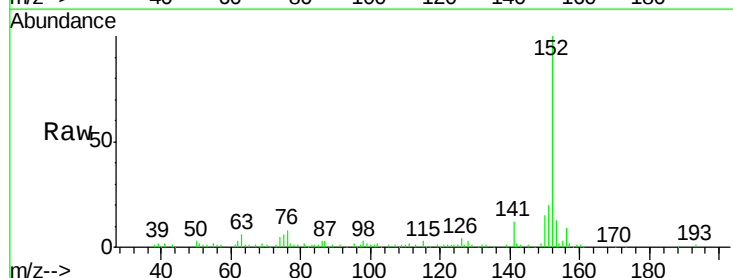
Delta R.T. 0.00 min

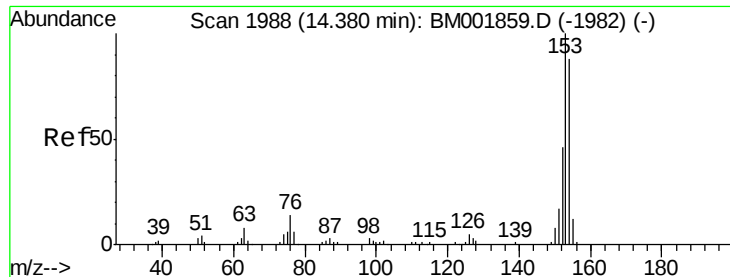
Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Tgt Ion:152 Resp: 158560

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.4	10.0	15.0





#49

Acenaphthene

Concen: 11.18 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

BNA_M

ClientSampleId :

G93L7

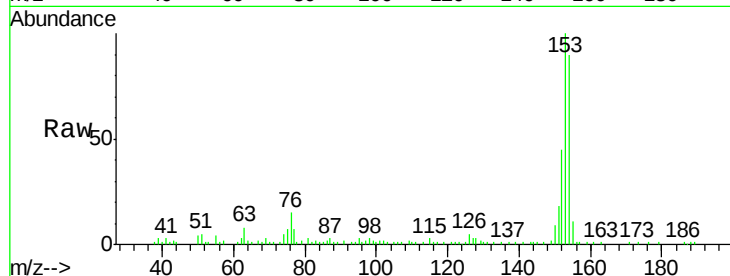
Tgt Ion:153 Resp: 97295

Ion Ratio Lower Upper

153 100

152 45.3 36.6 55.0

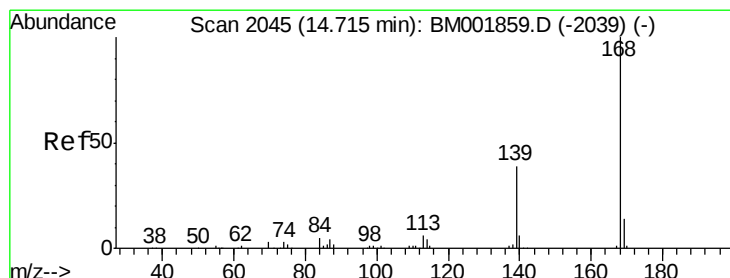
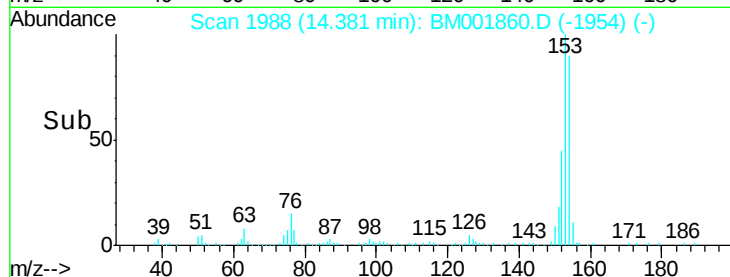
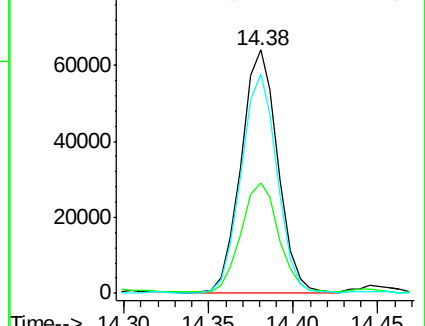
154 89.8 72.6 108.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.89 ng/ul

RT: 14.72 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM001860.D

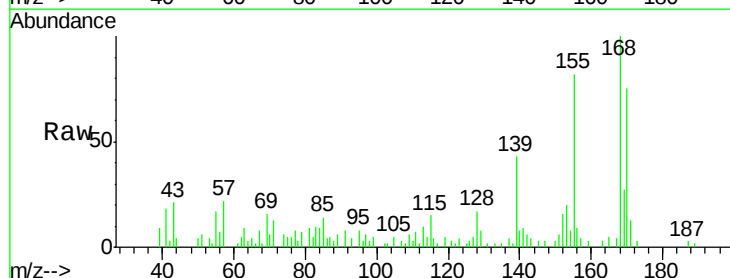
Acq: 07 Jul 2015 09:59

Tgt Ion:168 Resp: 23602

Ion Ratio Lower Upper

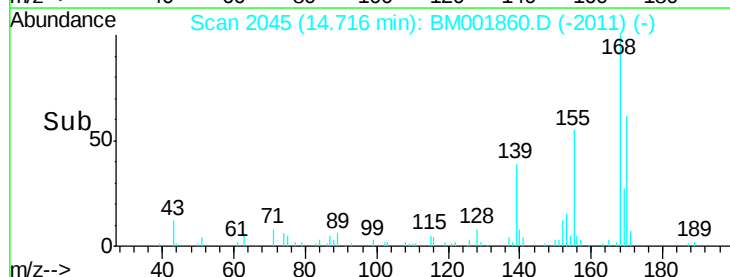
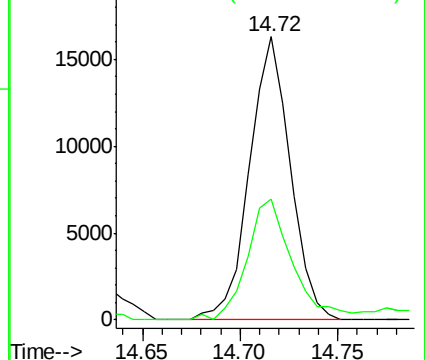
168 100

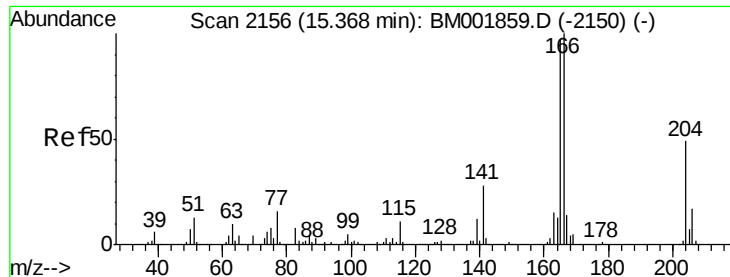
139 42.6 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.46 ng/ul

RT: 15.36 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

BNA_M

ClientSampleId :

G93L7

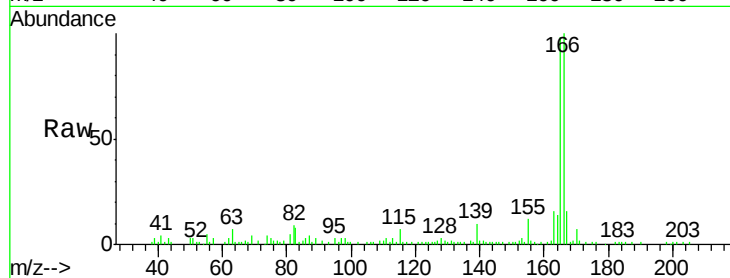
Tgt Ion:166 Resp: 98163

Ion Ratio Lower Upper

166 100

165 98.3 77.4 116.2

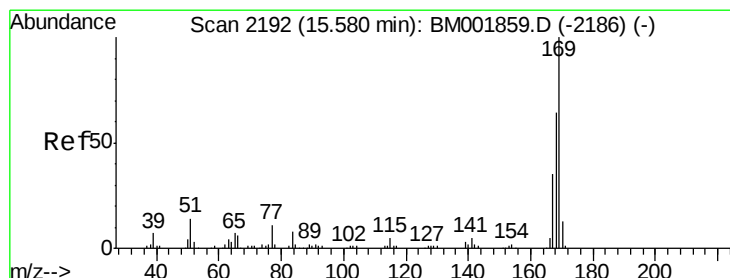
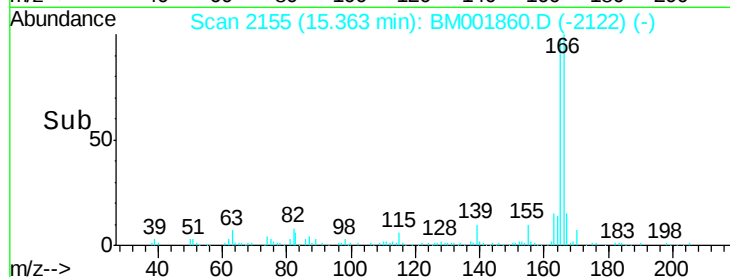
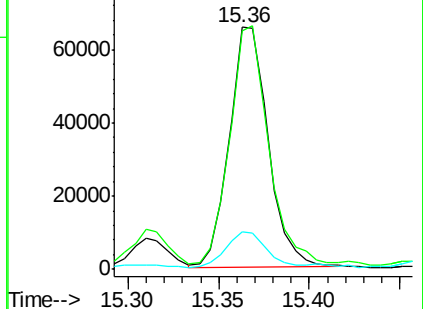
167 15.7 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 1.48 ng/ul

RT: 15.57 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

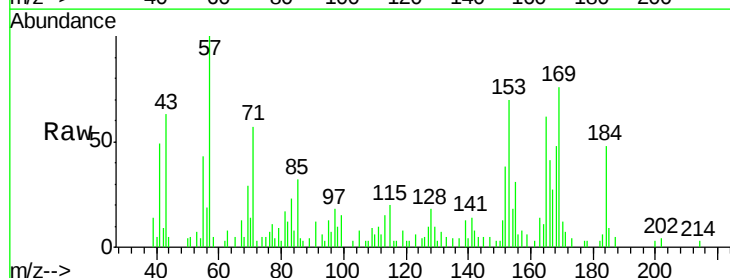
Tgt Ion:169 Resp: 12891

Ion Ratio Lower Upper

169 100

168 63.6 52.9 79.3

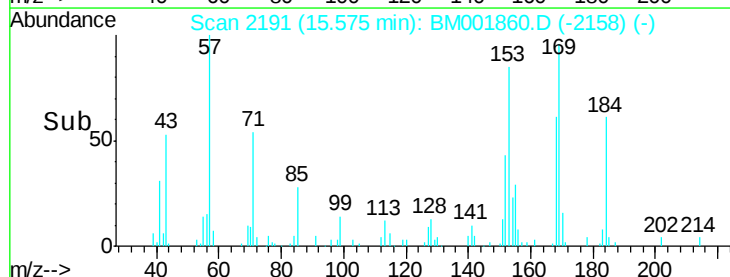
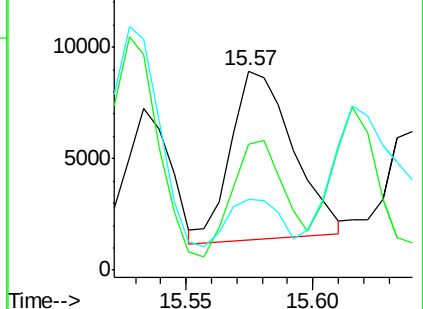
167 35.9 27.5 41.3

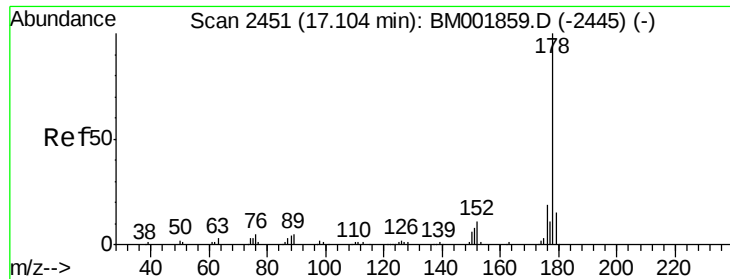


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 8.35 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

BNA_M

ClientSampled :

G93L7

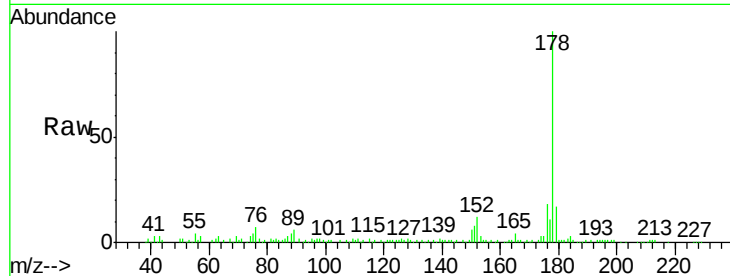
Tgt Ion:178 Resp: 134807

Ion Ratio Lower Upper

178 100

179 17.3 11.9 17.9

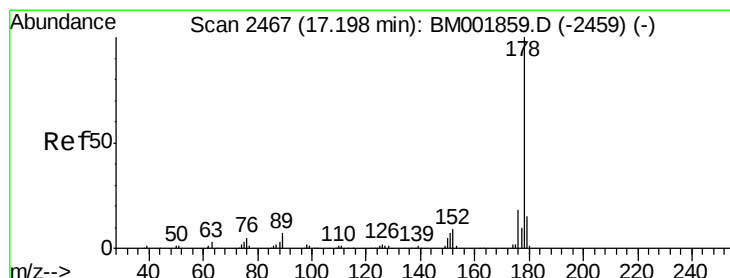
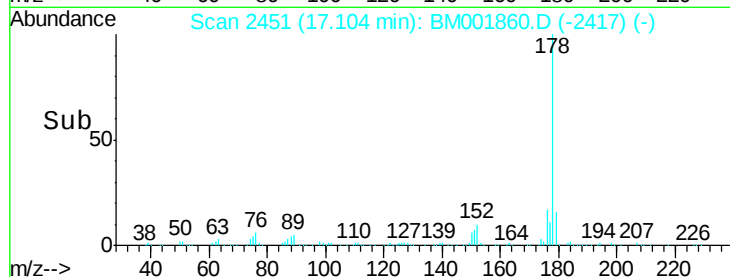
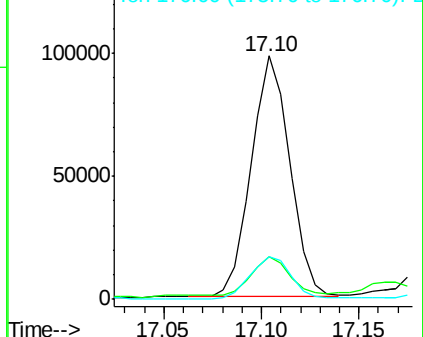
176 17.5 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.10 ng/ul

RT: 17.19 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

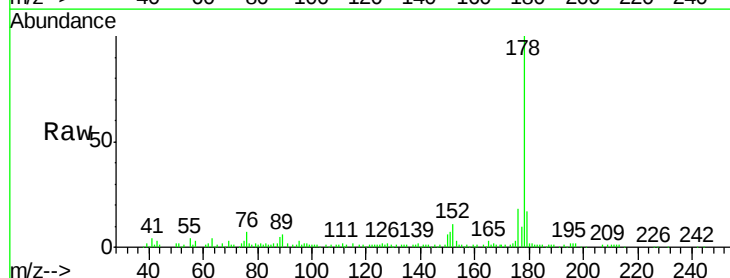
Tgt Ion:178 Resp: 117711

Ion Ratio Lower Upper

178 100

179 17.1 11.8 17.8

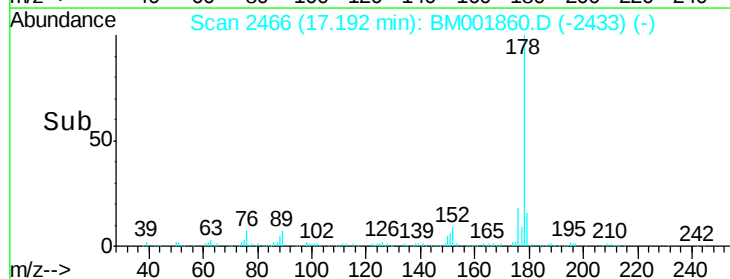
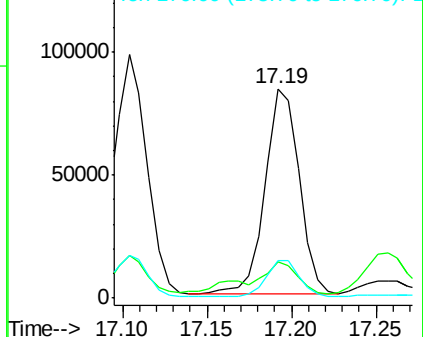
176 18.0 14.4 21.6

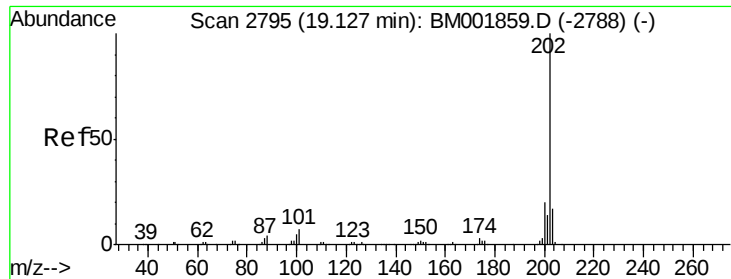


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

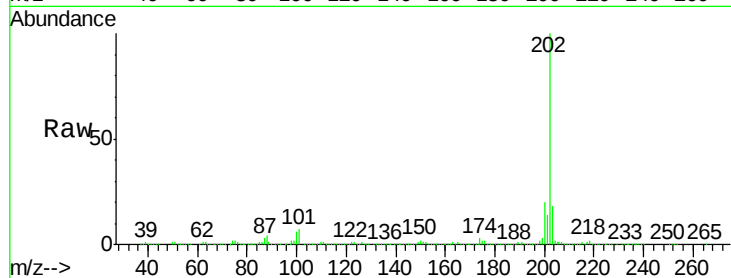




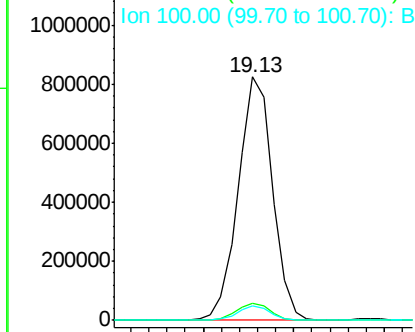
#76
Fluoranthene
Concen: 56.05 ng/ul
RT: 19.13 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

Instrument :
BNA_M
ClientSampleId :
G93L7

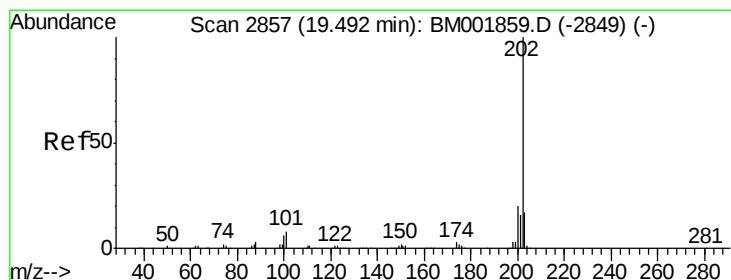
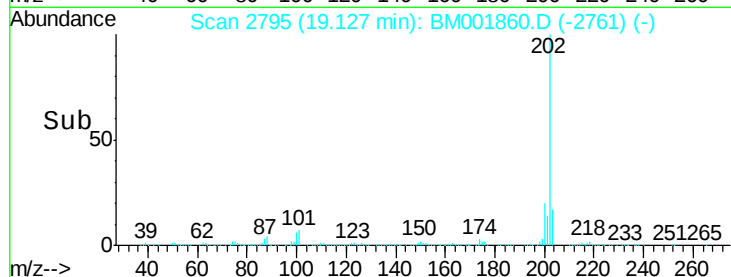
Tgt Ion:202 Resp: 1082002
Ion Ratio Lower Upper
202 100
101 7.2 6.1 9.1
100 6.0 4.8 7.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

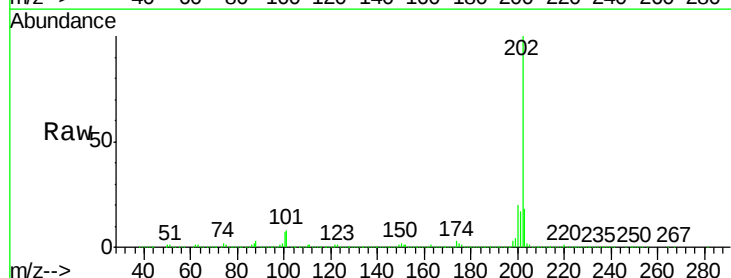


Time-->

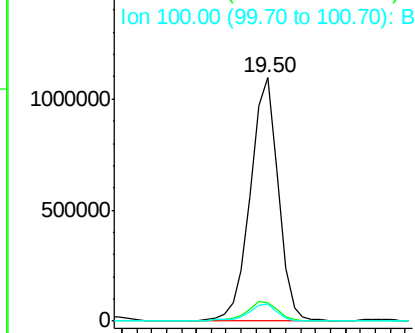


#79
Pyrene
Concen: 69.58 ng/ul
RT: 19.50 min Scan# 2858
Delta R.T. 0.01 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

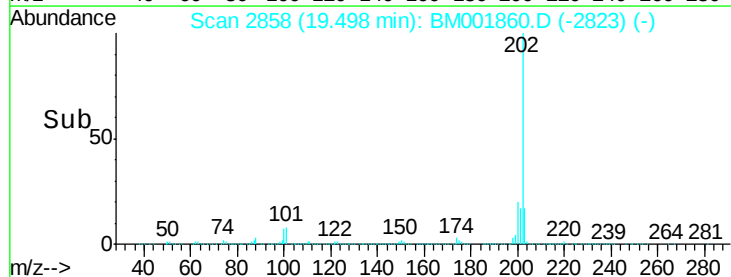
Tgt Ion:202 Resp: 1406697
Ion Ratio Lower Upper
202 100
101 7.8 6.9 10.3
100 6.8 6.2 9.2

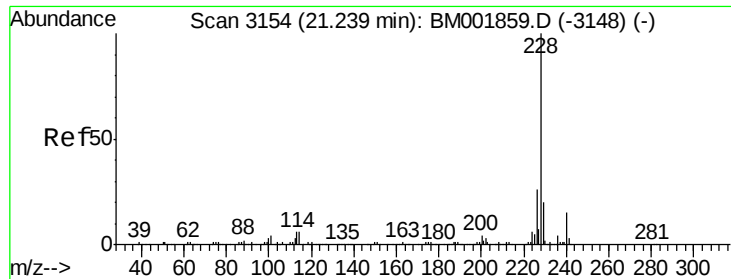


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->

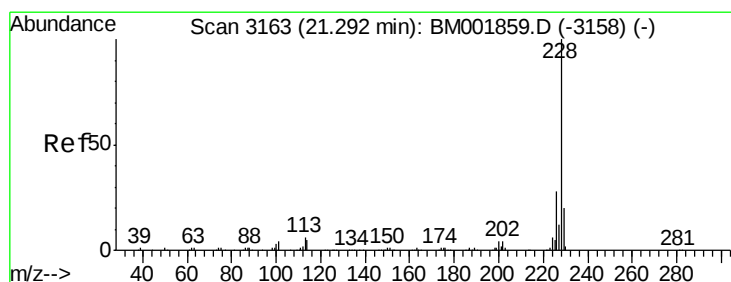
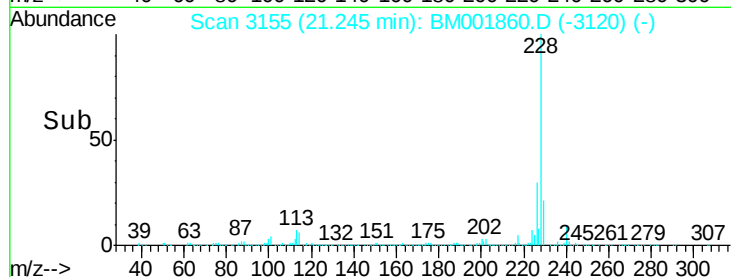
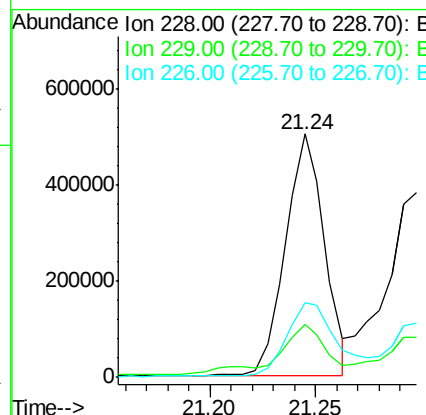
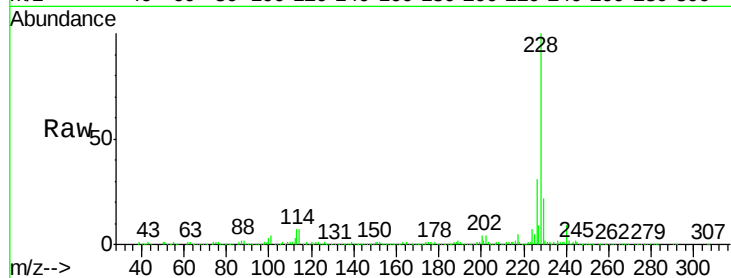




#82
Benzo(a)anthracene
Concen: 30.32 ng/ul
RT: 21.24 min Scan# 3155
Delta R.T. 0.01 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

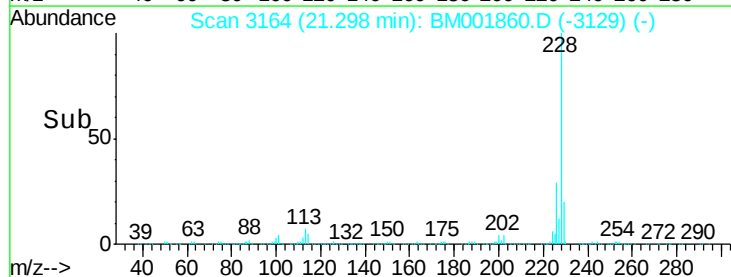
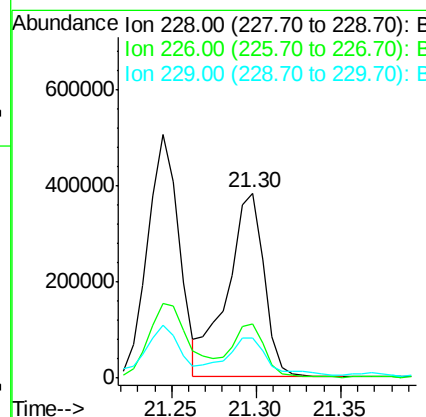
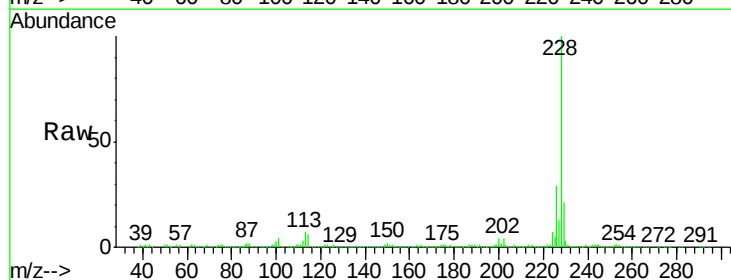
Instrument :
BNA_M
ClientSampleId :
G93L7

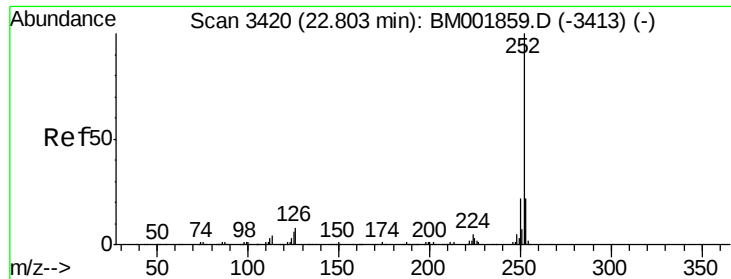
Tgt Ion:228 Resp: 645654
Ion Ratio Lower Upper
228 100
229 21.7 15.4 23.0
226 30.7 20.6 30.8



#84
Chrysene
Concen: 28.74 ng/ul
RT: 21.30 min Scan# 3164
Delta R.T. 0.01 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

Tgt Ion:228 Resp: 580150
Ion Ratio Lower Upper
228 100
226 29.0 23.0 34.4
229 21.5 15.4 23.2





#87

Benzo(b)fluoranthene

Concen: 36.00 ng/u1

RT: 22.82 min Scan# 3423

Delta R.T. 0.02 min

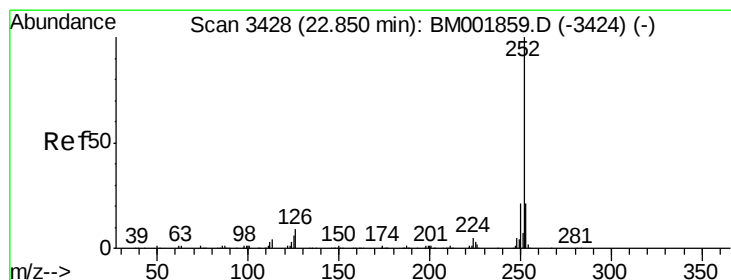
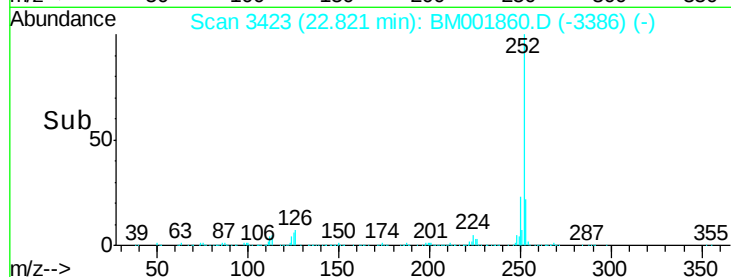
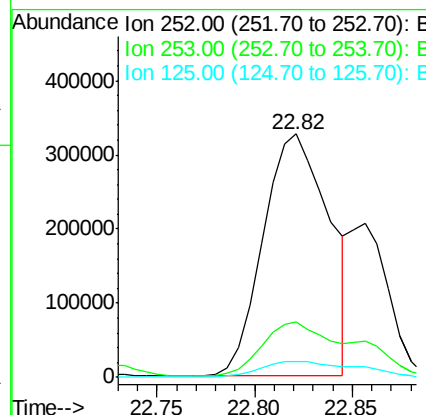
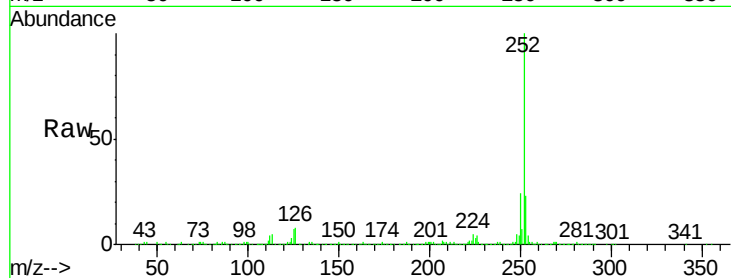
Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :
BNA_M
ClientSampleId :
G93L7

Tgt Ion:252 Resp: 764267

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	6.7	5.3	7.9



#88

Benzo(k)fluoranthene

Concen: 10.05 ng/u1

RT: 22.82 min Scan# 3423

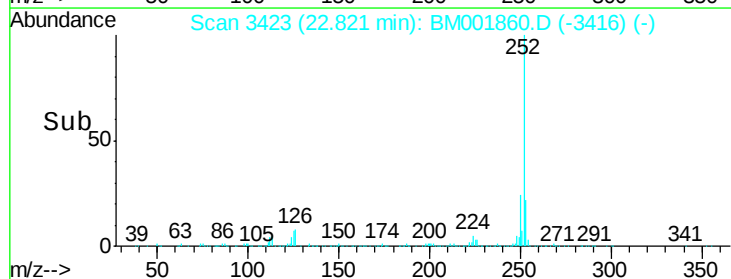
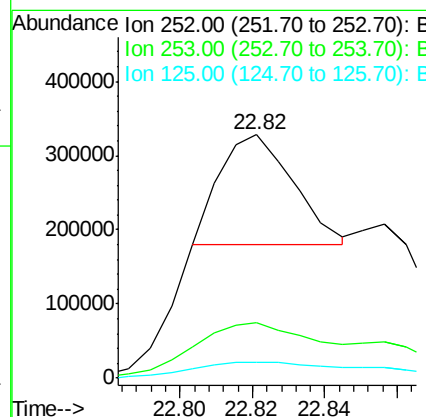
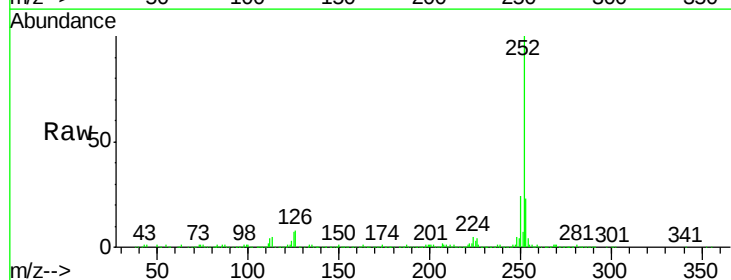
Delta R.T. -0.03 min

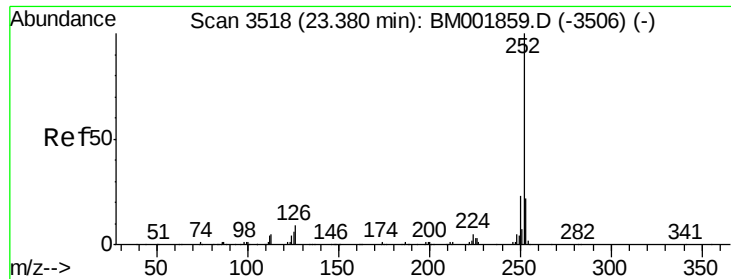
Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Tgt Ion:252 Resp: 206152

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	6.7	5.3	7.9





#90

Benzo(a)pyrene

Concen: 36.14 ng/ul

RT: 23.39 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

Instrument :

BNA_M

ClientSampleId :

G93L7

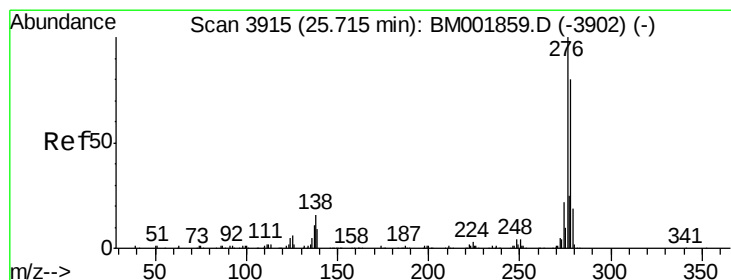
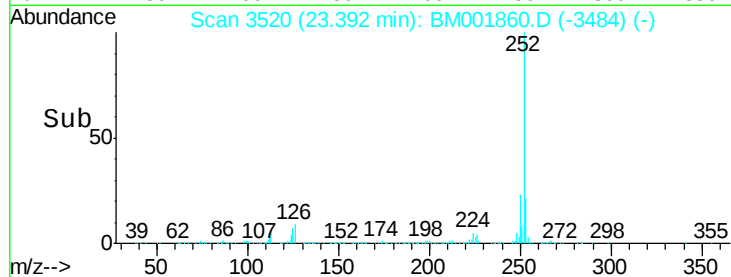
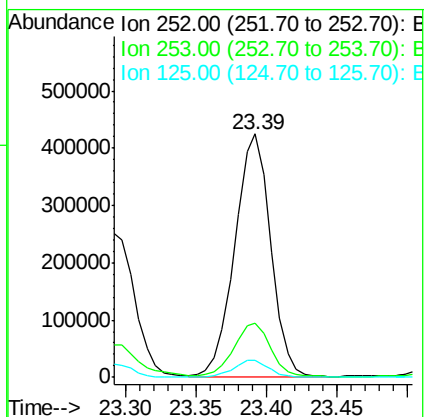
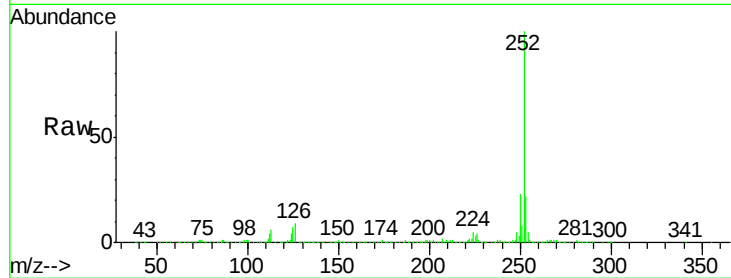
Tgt Ion:252 Resp: 746395

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 6.9 6.0 9.0



#91

Indeno(1,2,3-cd)pyrene

Concen: 19.91 ng/ul

RT: 25.73 min Scan# 3917

Delta R.T. 0.01 min

Lab File: BM001860.D

Acq: 07 Jul 2015 09:59

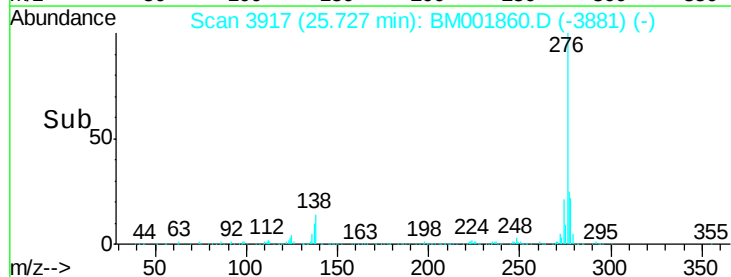
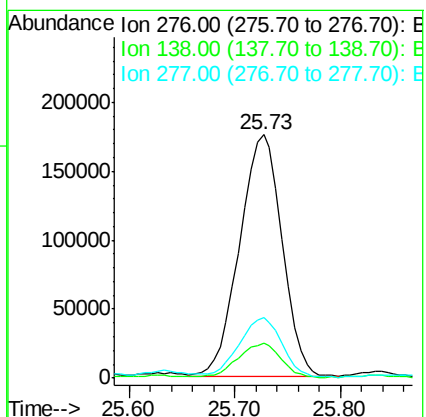
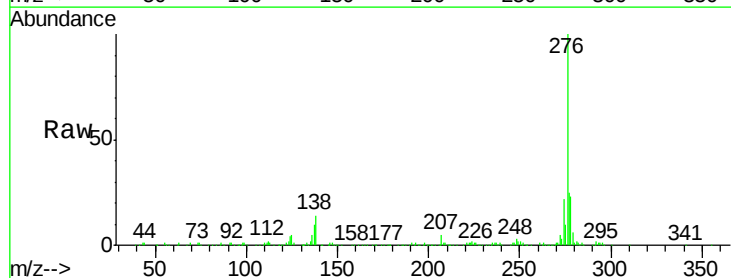
Tgt Ion:276 Resp: 487587

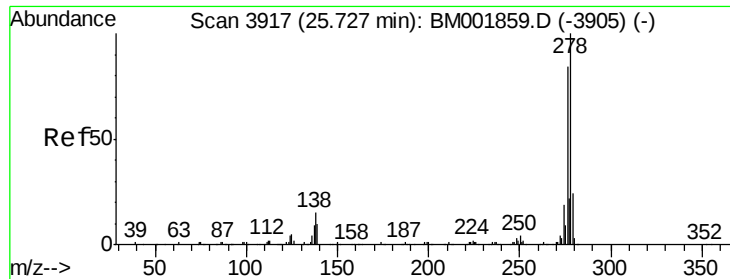
Ion Ratio Lower Upper

276 100

138 14.4 14.7 22.1#

277 24.9 19.7 29.5

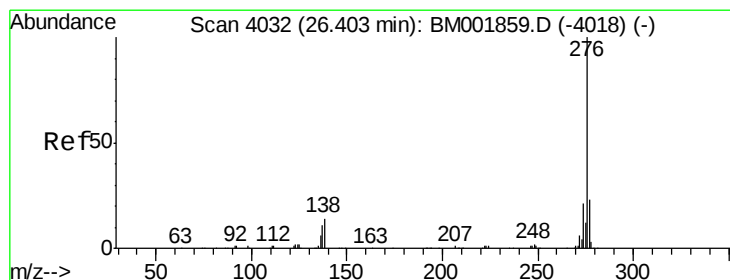
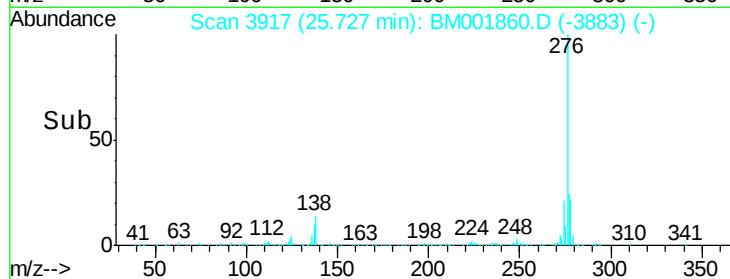
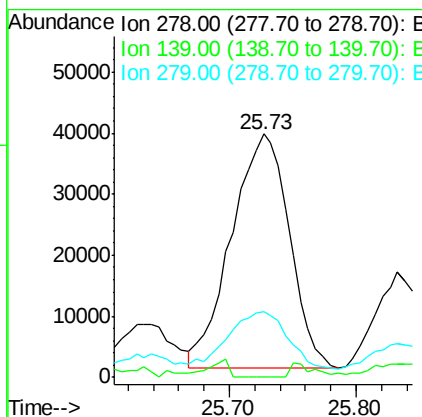
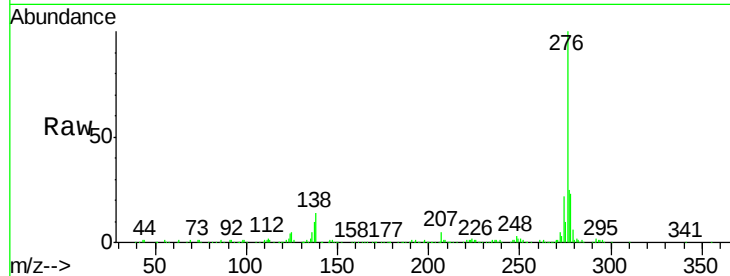




#92
Dibenzo(a,h)anthracene
Concen: 5.90 ng/ul
RT: 25.73 min Scan# 3917
Delta R.T. 0.00 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

Instrument :
BNA_M
ClientSampled :
G93L7

Tgt Ion:278 Resp: 121951
Ion Ratio Lower Upper
278 100
139 0.0 9.2 13.8#
279 27.1 19.1 28.7



#93
Benzo(g,h,i)perylene
Concen: 22.92 ng/ul
RT: 26.42 min Scan# 4035
Delta R.T. 0.02 min
Lab File: BM001860.D
Acq: 07 Jul 2015 09:59

Tgt Ion:276 Resp: 471947
Ion Ratio Lower Upper
276 100
138 13.9 12.6 19.0
277 24.8 18.7 28.1

