

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003861.D
 Acq On : 29 Dec 2015 22:21
 Operator : SJ/UM
 Sample : G4849-01DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N66DL

Quant Time: Dec 30 03:34:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 30 03:30:26 2015
 Response via : Initial Calibration

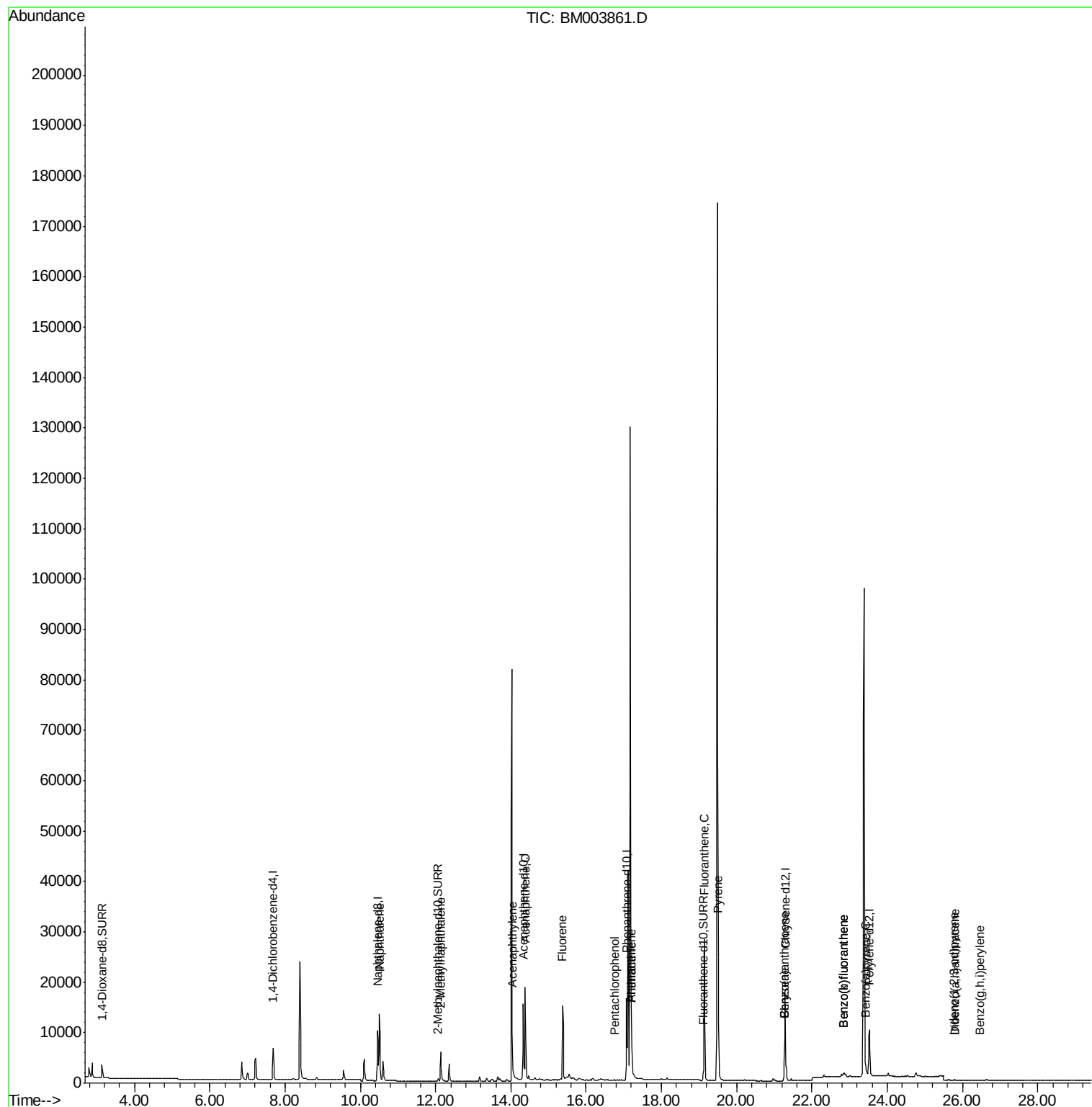
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3516	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	15094	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	8785	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	20029	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	16431	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	13268	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	2244	1.49	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	848	0.05	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	2261	0.05	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.51	128	18938	0.56	ng/ul	98
7) 2-Methylnaphthalene	12.14	142	5526	0.24	ng/ul	99
9) Acenaphthylene	14.04	152	838	0.02	ng/ul#	82
10) Acenaphthene	14.38	153	11363	0.42	ng/ul#	82
11) Fluorene	15.38	166	12865	0.43	ng/ul#	77
13) Pentachlorophenol	16.76	266	28	0.01	ng/ul	96
14) Phenanthrene	17.21	178	4120	0.08	ng/ul	95
15) Anthracene	17.21	178	4632	0.10	ng/ul#	94
17) Fluoranthene	19.14	202	26230	0.47	ng/ul	99
19) Pyrene	19.51	202	18940	0.43	ng/ul	98
20) Benzo(a)anthracene	21.26	228	3215	0.08	ng/ul#	91
21) Chrysene	21.26	228	3215	0.07	ng/ul	94
23) Benzo(b)fluoranthene	22.85	252	1988	0.04	ng/ul#	31
24) Benzo(k)fluoranthene	22.85	252	1988	0.05	ng/ul#	33
25) Benzo(a)pyrene	23.42	252	762	0.02	ng/ul#	10
26) Indeno(1,2,3-cd)pyrene	25.79	276	270	0.01	ng/ul#	84
27) Dibenzo(a,h)anthracene	25.80	278	133	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.47	276	252	0.01	ng/ul#	1

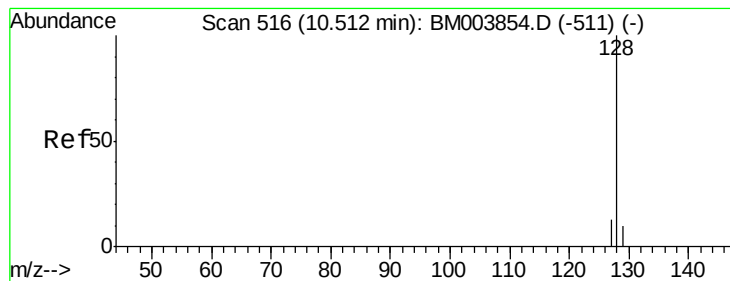
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 30 03:30:26 2015
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#5

Naphthalene

Concen: 0.56 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

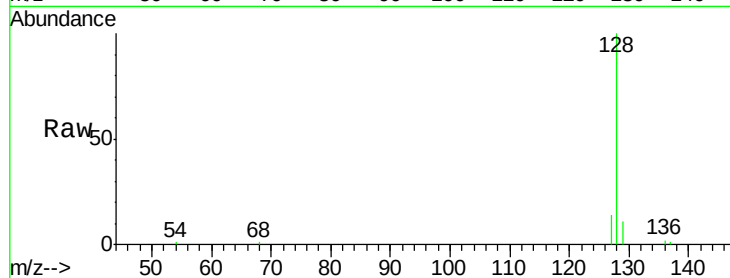
Tot Ion:128 Resp: 18938

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

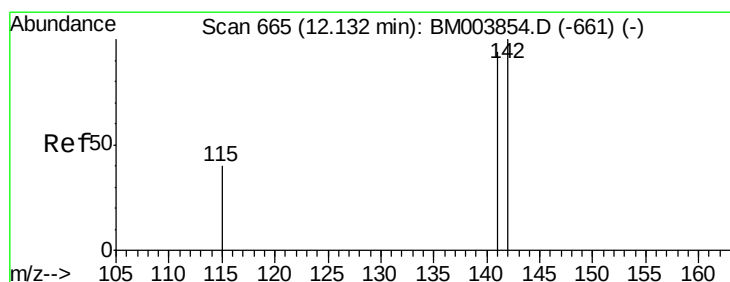
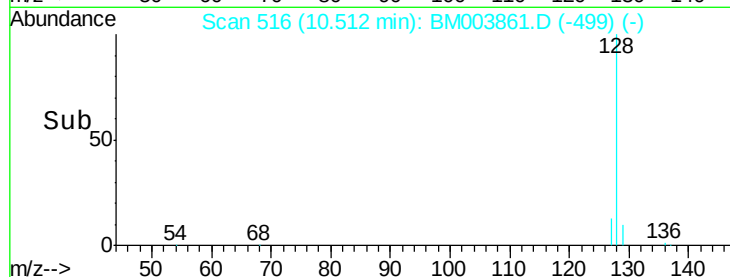
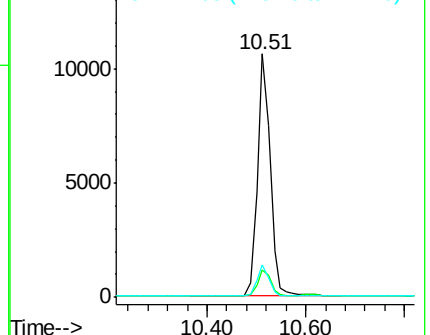
127 13.6 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.24 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM003861.D

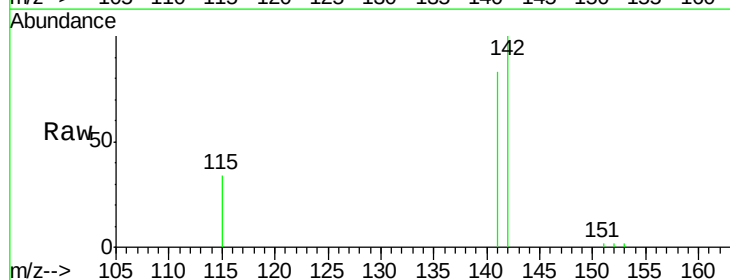
Acq: 29 Dec 2015 22:21

Tgt Ion:142 Resp: 5526

Ion Ratio Lower Upper

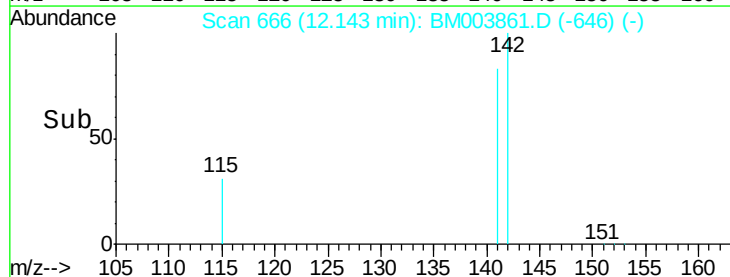
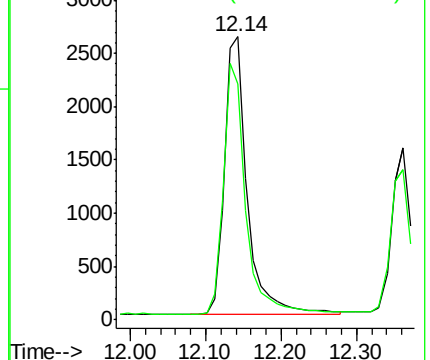
142 100

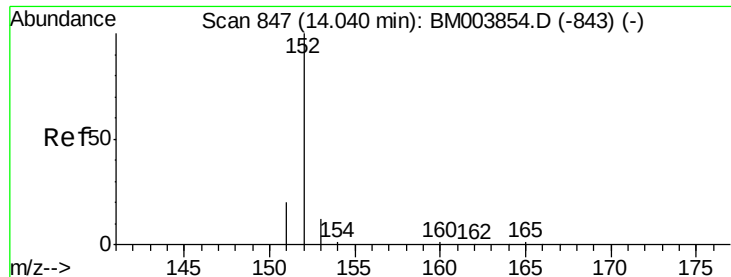
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

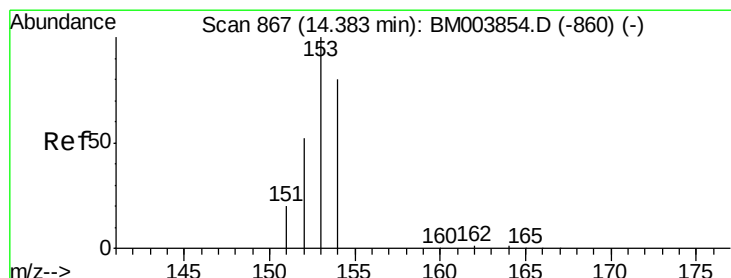
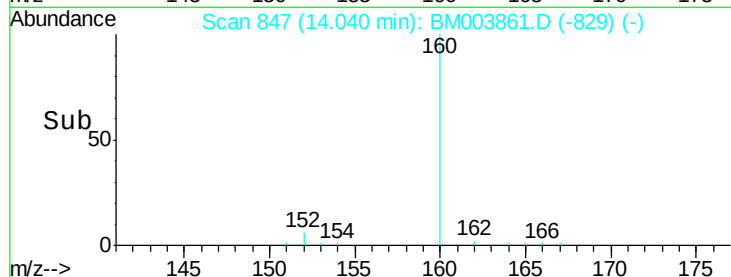
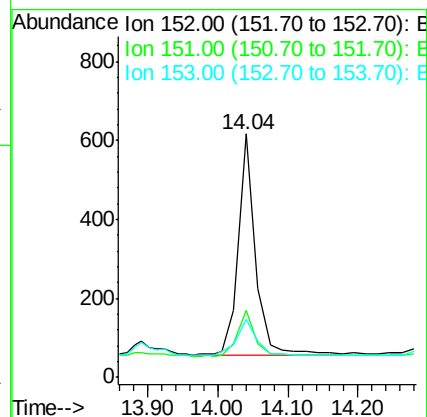
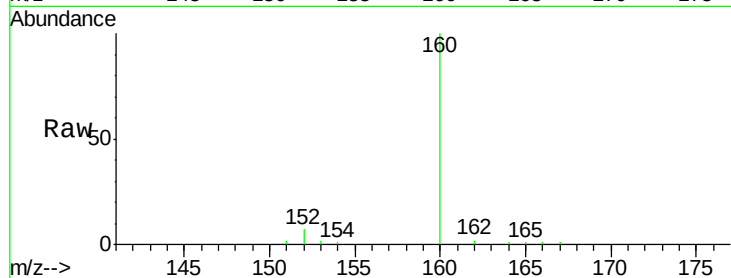
Tot Ion:152 Resp: 838

Ion Ratio Lower Upper

152 100

151 27.4 17.6 26.4#

153 23.7 9.7 14.5#



#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

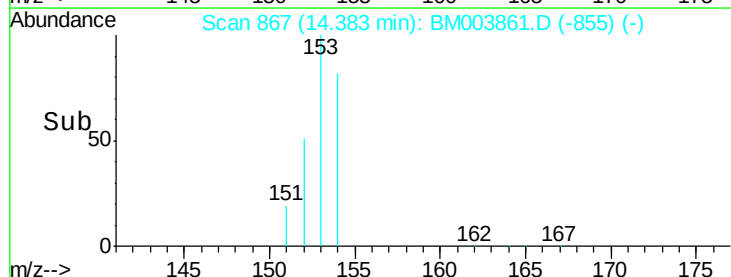
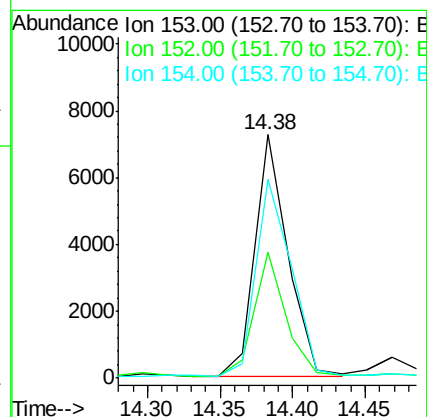
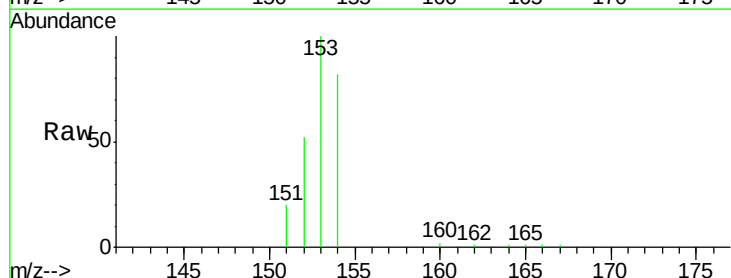
Tgt Ion:153 Resp: 11363

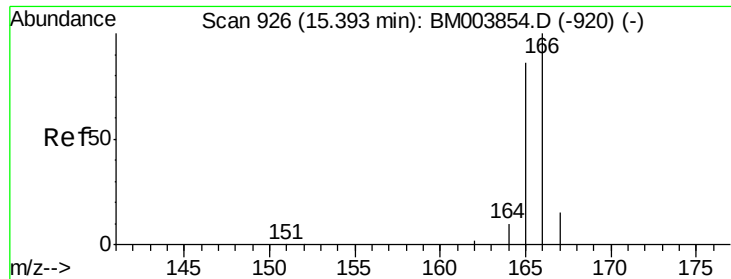
Ion Ratio Lower Upper

153 100

152 51.7 33.9 50.9#

154 81.7 80.6 121.0

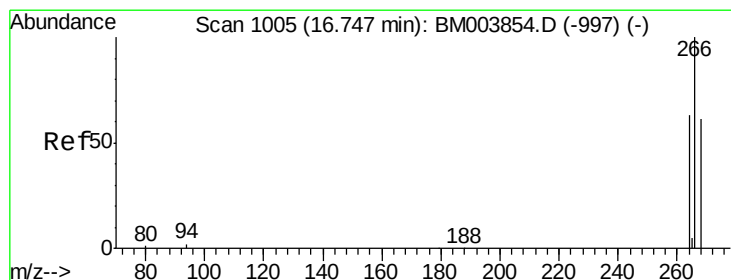
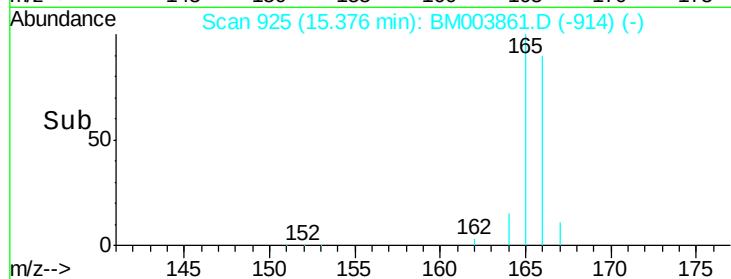
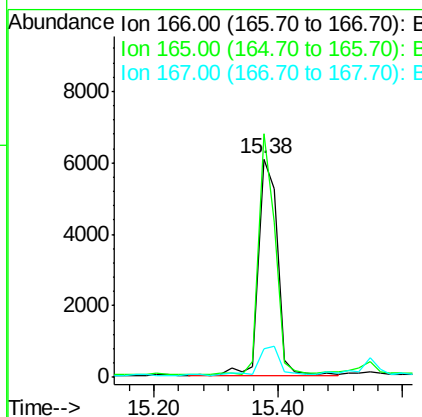
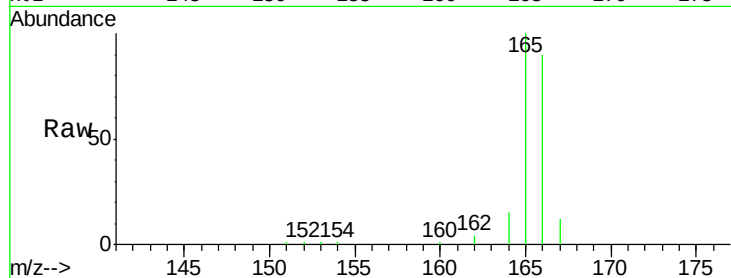




#11
Fluorene
 Concen: 0.43 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM003861.D
 Acq: 29 Dec 2015 22:21

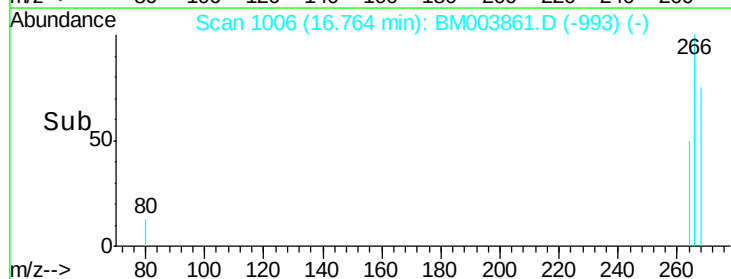
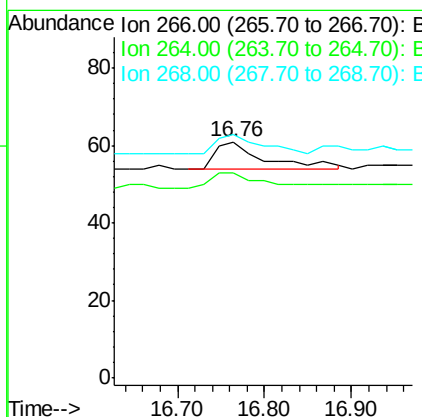
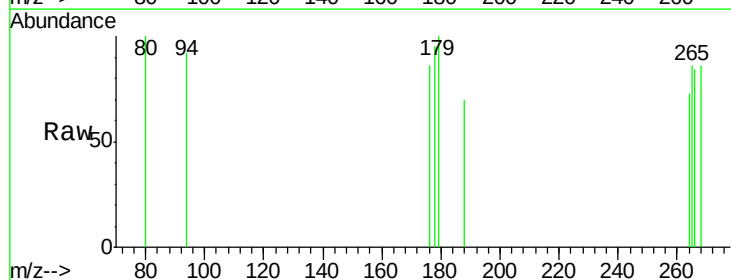
Instrument :
 BNA_M
 ClientSampleId :
 D9N66DL

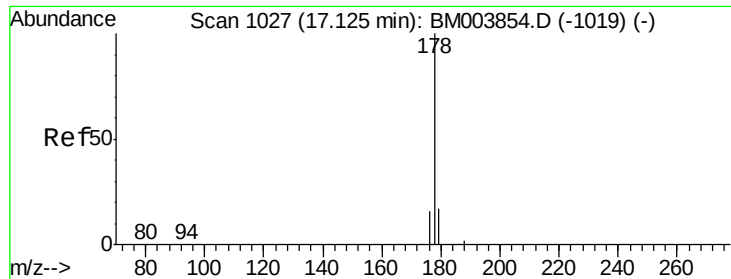
Tot Ion:166 Resp: 12865
 Ion Ratio Lower Upper
 166 100
 165 111.5 69.6 104.4#
 167 13.2 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.02 min
 Lab File: BM003861.D
 Acq: 29 Dec 2015 22:21

Tgt Ion:266 Resp: 28
 Ion Ratio Lower Upper
 266 100
 264 60.7 51.8 77.8
 268 60.7 46.8 70.2





#14

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

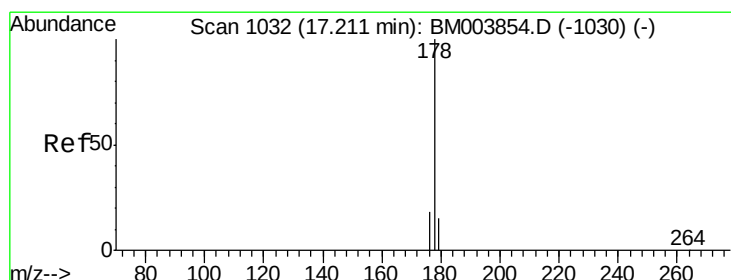
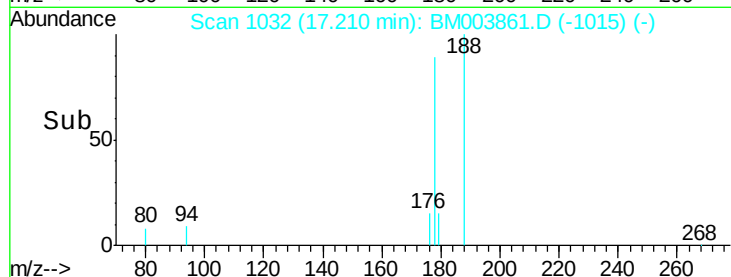
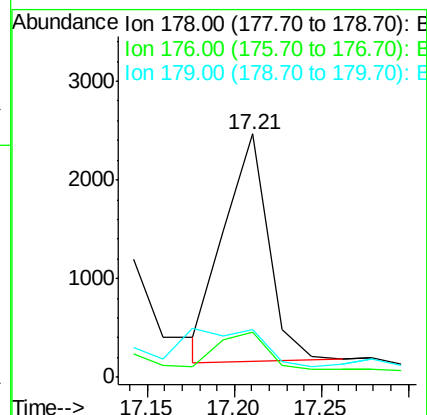
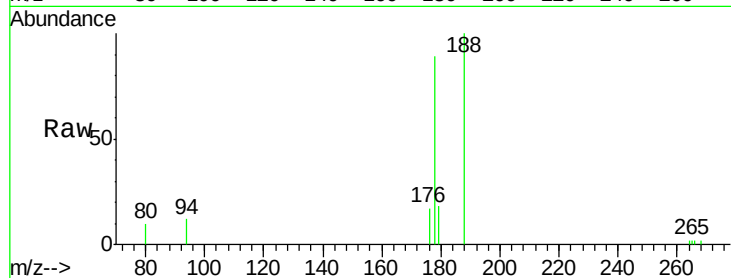
Tot Ion:178 Resp: 4120

Ion Ratio Lower Upper

178 100

176 18.7 13.0 19.4

179 19.9 14.2 21.2



#15

Anthracene

Concen: 0.10 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

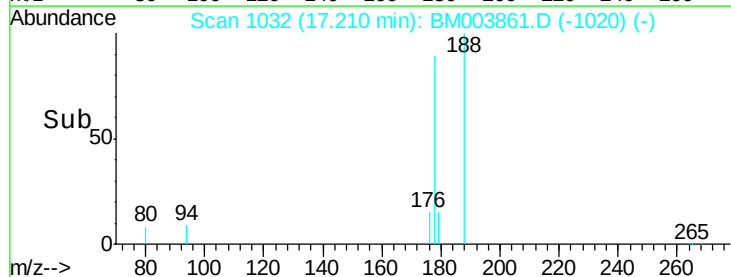
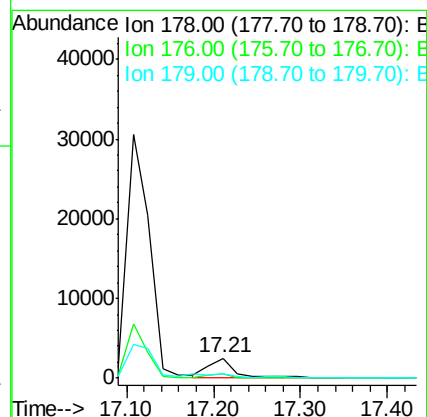
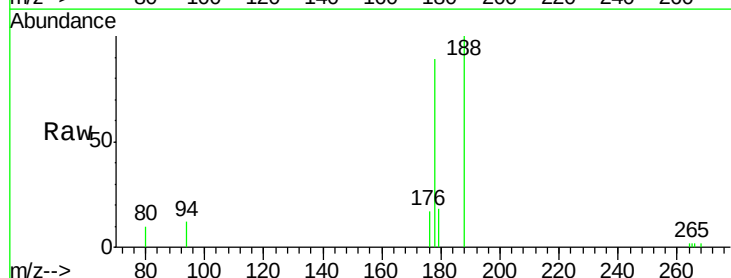
Tgt Ion:178 Resp: 4632

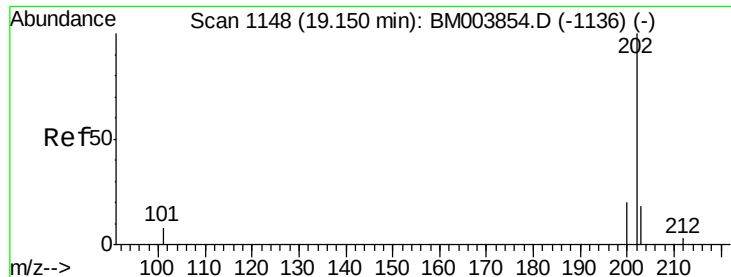
Ion Ratio Lower Upper

178 100

176 18.7 14.0 21.0

179 19.9 12.9 19.3#

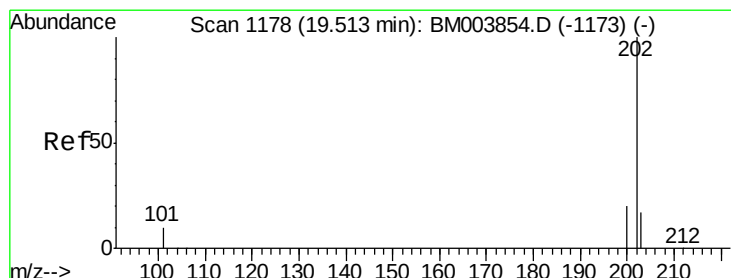
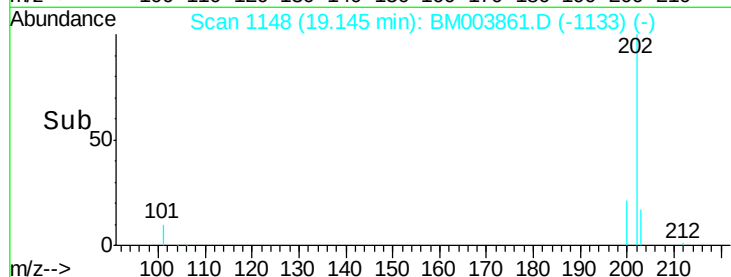
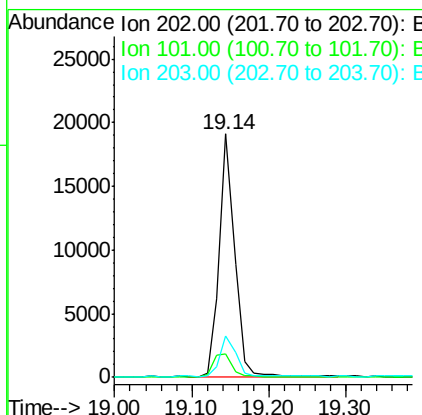
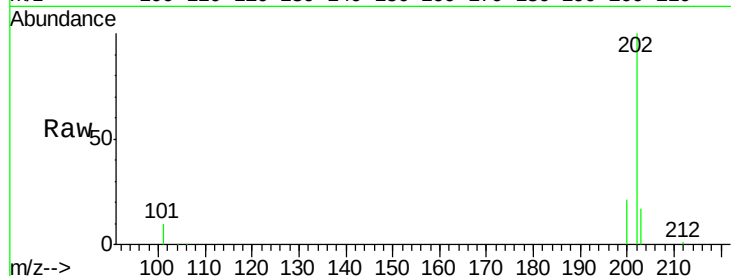




#17
Fluoranthene
Concen: 0.47 ng/ul
RT: 19.14 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM003861.D
Acq: 29 Dec 2015 22:21

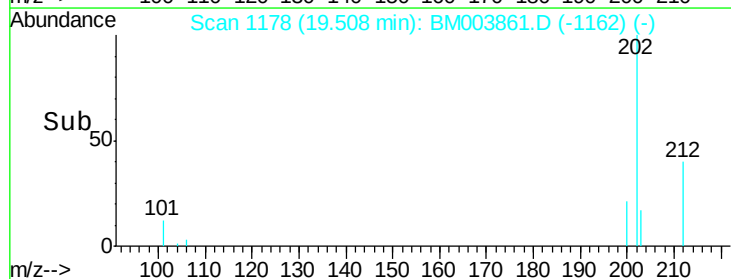
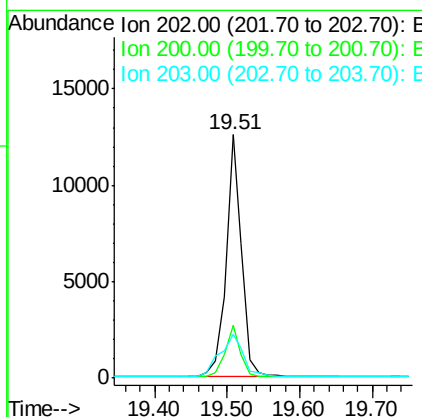
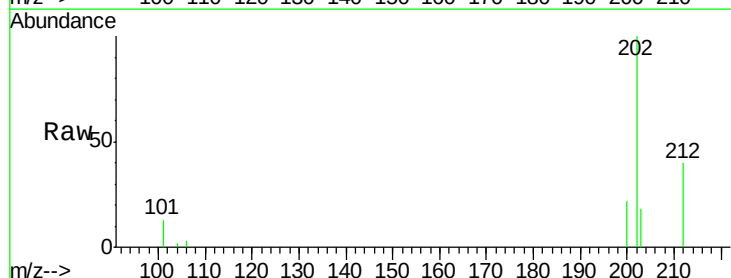
Instrument :
BNA_M
ClientSampleId :
D9N66DL

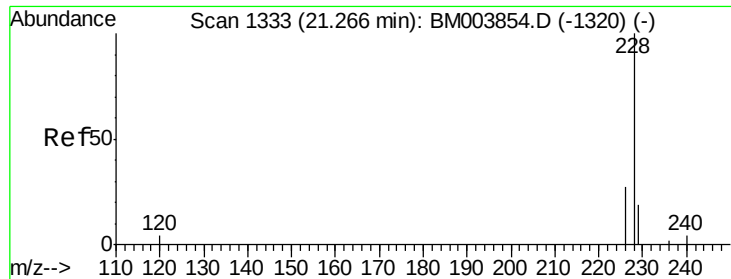
Tot Ion:202 Resp: 26230
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 16.9 0.0 36.3



#19
Pyrene
Concen: 0.43 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM003861.D
Acq: 29 Dec 2015 22:21

Tgt Ion:202 Resp: 18940
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.8
203 17.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

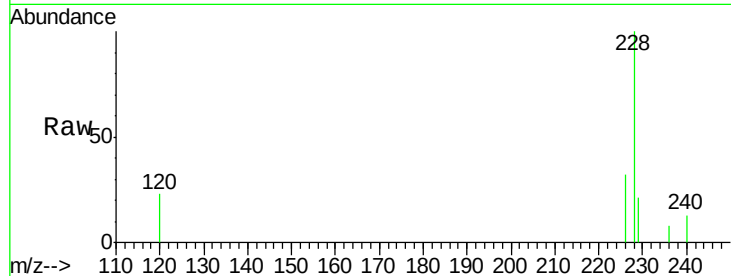
Tot Ion:228 Resp: 3215

Ion Ratio Lower Upper

228 100

226 31.6 18.8 28.2#

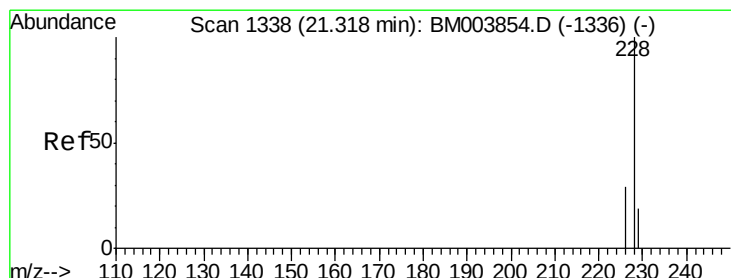
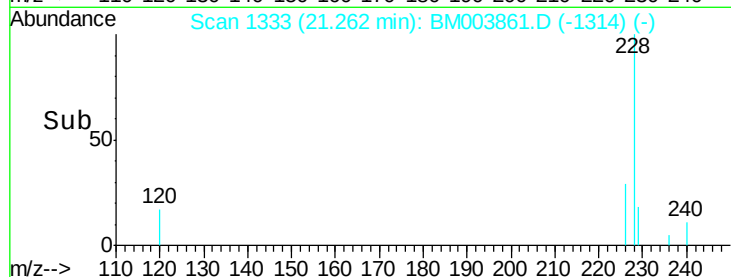
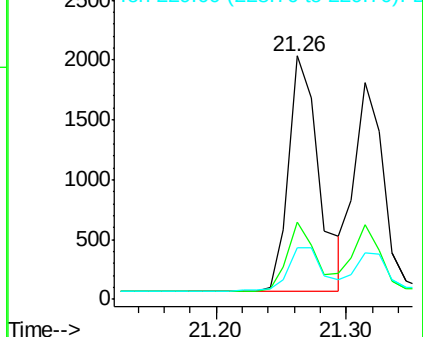
229 21.1 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Chrysene

Concen: 0.07 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

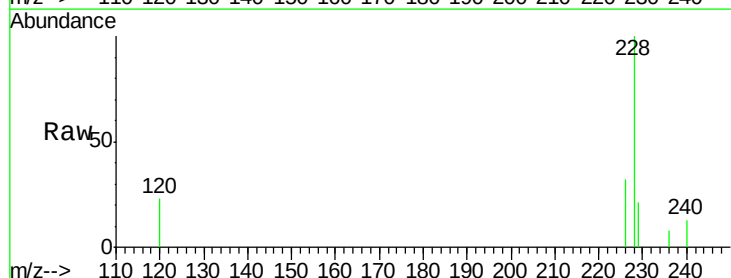
Tgt Ion:228 Resp: 3215

Ion Ratio Lower Upper

228 100

226 31.6 21.2 31.8

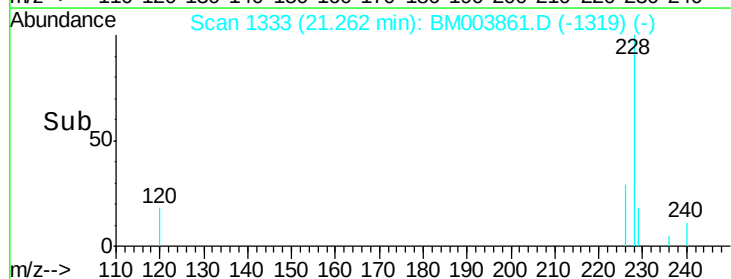
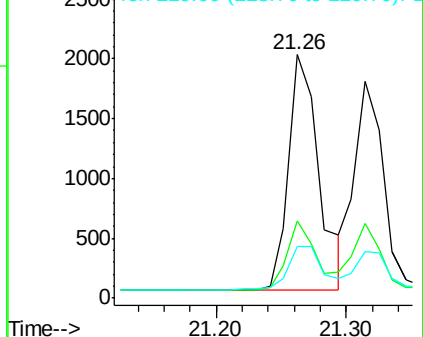
229 21.1 17.0 25.6

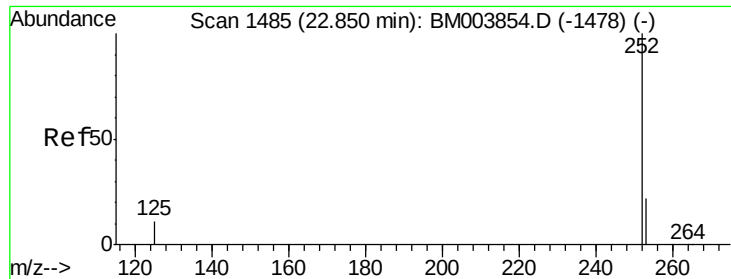


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

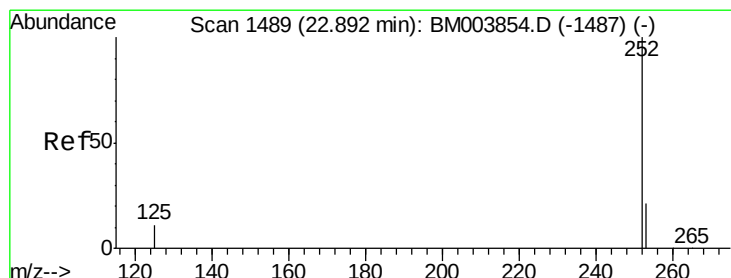
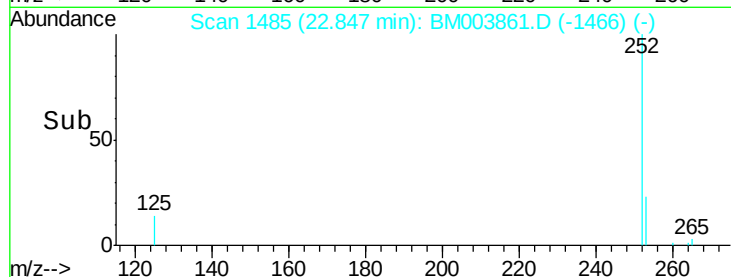
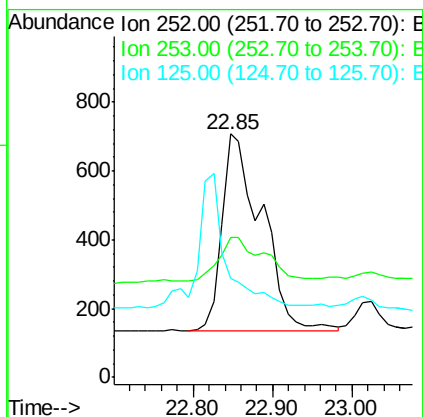
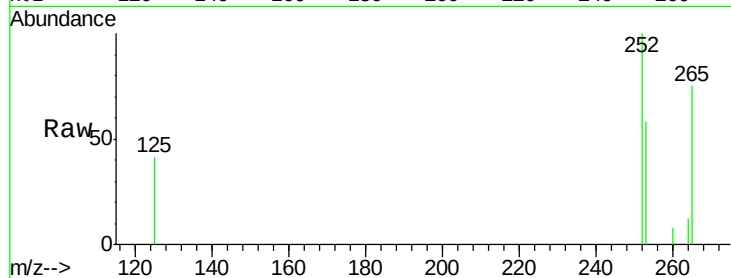
Tot Ion:252 Resp: 1988

Ion Ratio Lower Upper

252 100

253 57.6 0.0 45.4#

125 40.8 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

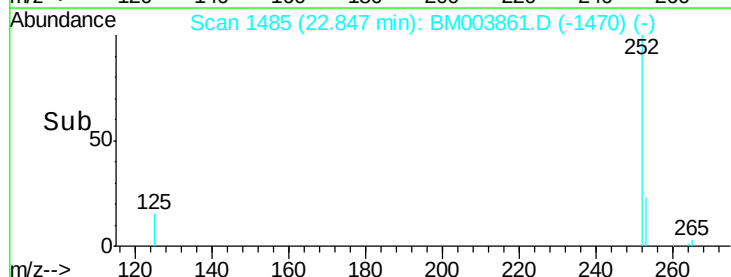
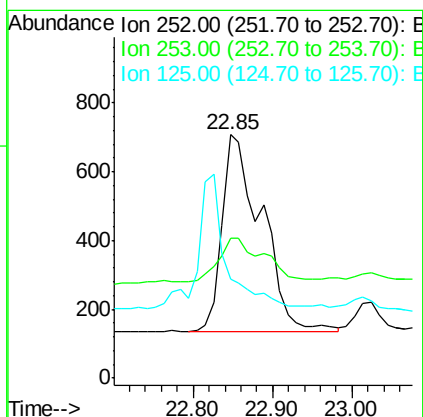
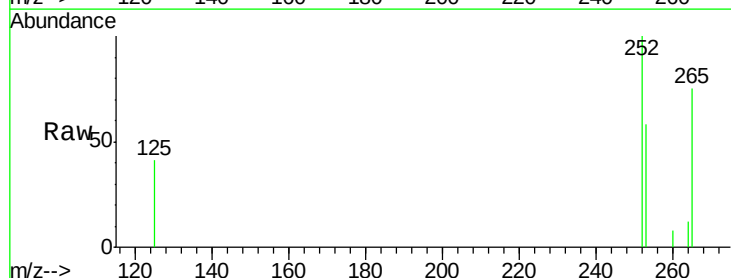
Tgt Ion:252 Resp: 1988

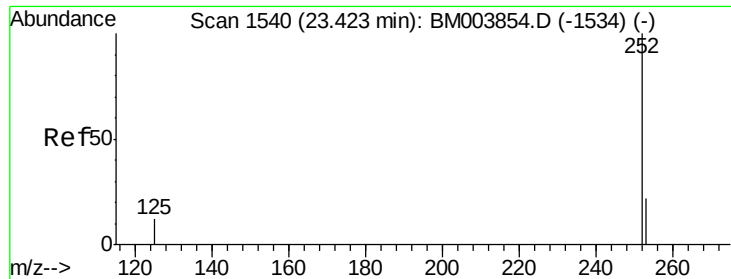
Ion Ratio Lower Upper

252 100

253 57.6 19.8 29.8#

125 40.8 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

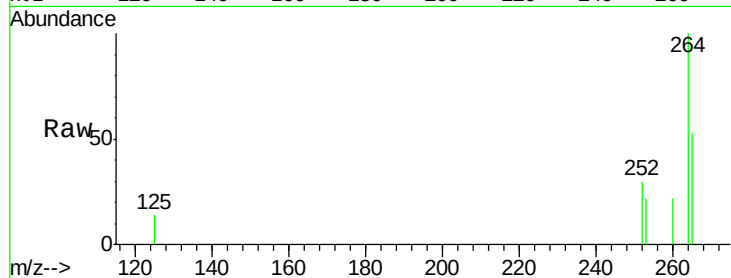
Tot Ion:252 Resp: 762

Ion Ratio Lower Upper

252 100

253 73.2 19.4 29.2#

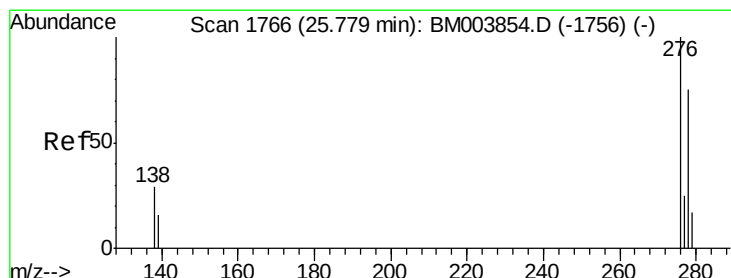
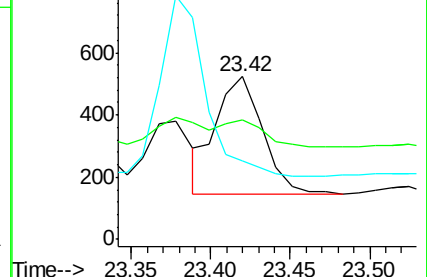
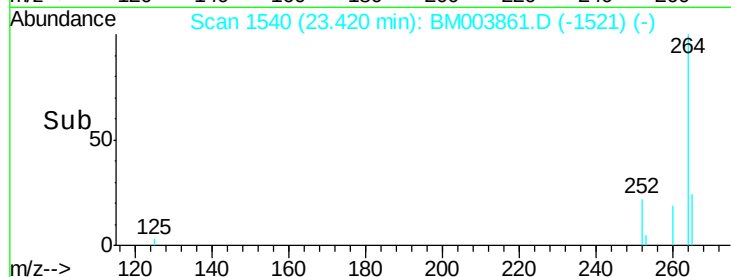
125 48.4 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

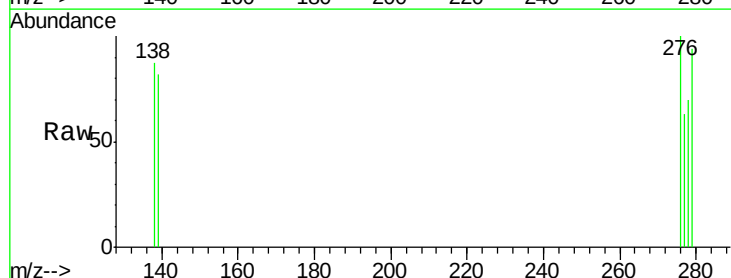
Tgt Ion:276 Resp: 270

Ion Ratio Lower Upper

276 100

138 33.0 16.3 24.5#

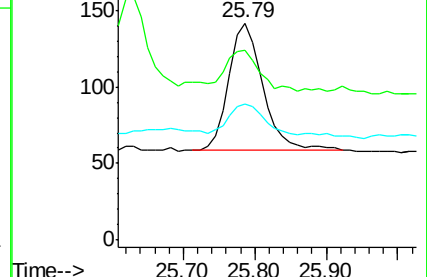
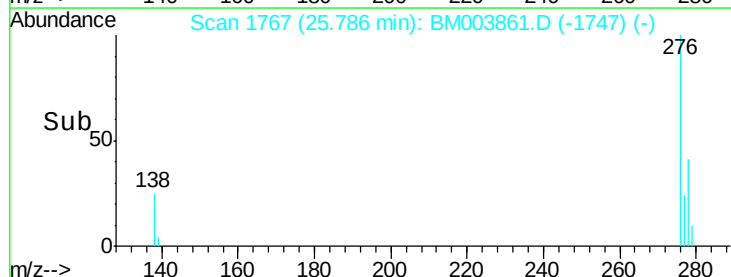
277 28.5 19.8 29.8

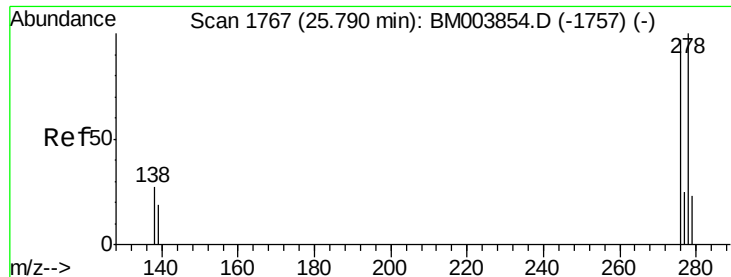


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

Instrument :

BNA_M

ClientSampleId :

D9N66DL

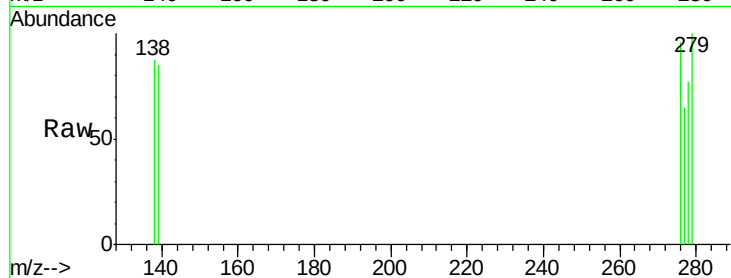
Tot Ion:278 Resp: 133

Ion Ratio Lower Upper

278 100

139 110.7 16.4 24.6#

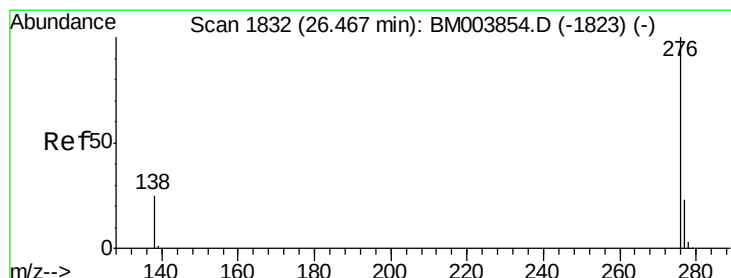
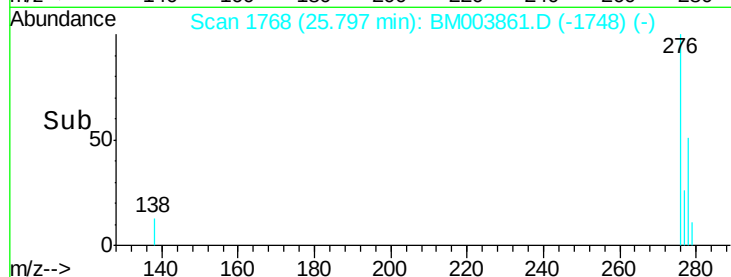
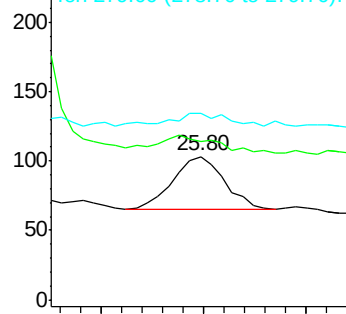
279 130.1 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BM003861.D

Acq: 29 Dec 2015 22:21

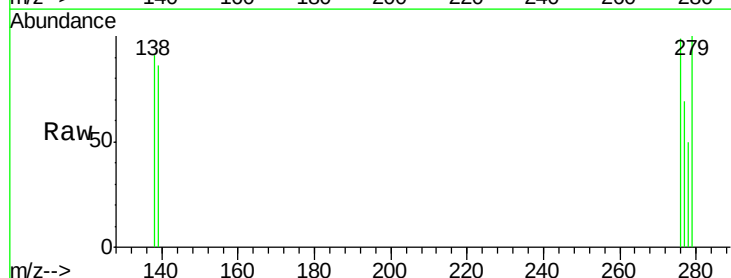
Tgt Ion:276 Resp: 252

Ion Ratio Lower Upper

276 100

277 69.1 18.9 28.3#

138 91.9 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

