

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003865.D
 Acq On : 30 Dec 2015 00:44
 Operator : SJ/UM
 Sample : G4848-13DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N59DL

Quant Time: Dec 30 03:35:12 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	4638	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	19928	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	11764	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	26851	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	20091	0.40	ng/ul	0.00
22) Perylene-d12	23.51	264	16778	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	5109	2.58	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	1914	0.08	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	4893	0.09	ng/ul	0.00

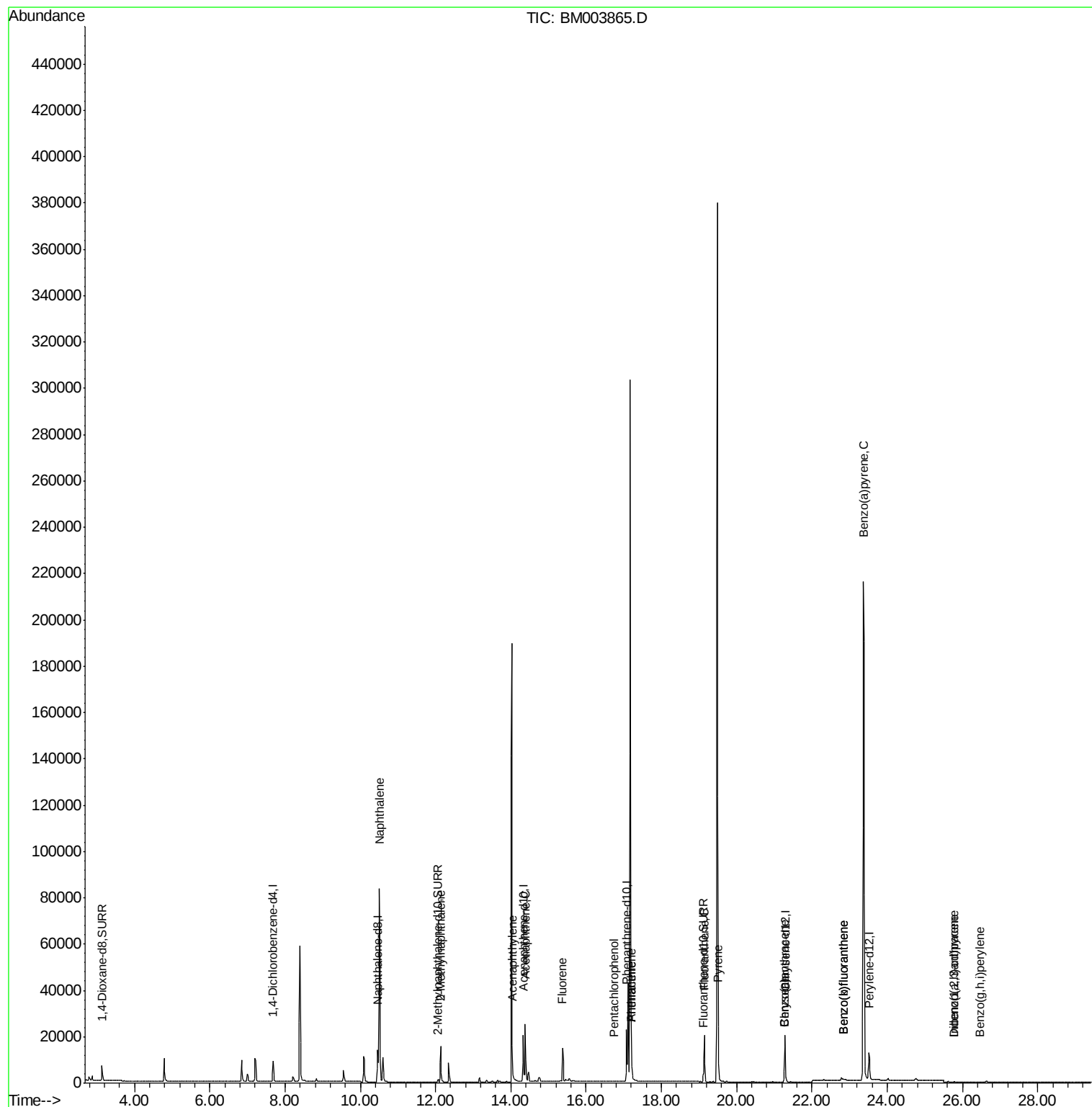
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.51	128	114241	2.54	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	12431	0.41	ng/ul	99
9) Acenaphthylene	14.04	152	837	0.02	ng/ul#	81
10) Acenaphthene	14.38	153	15200	0.42	ng/ul	83
11) Fluorene	15.38	166	11904	0.30	ng/ul#	78
13) Pentachlorophenol	16.75	266	22	0.01	ng/ul#	71
14) Phenanthrene	17.21	178	2851	0.04	ng/ul	93
15) Anthracene	17.21	178	3160	0.05	ng/ul#	93
17) Fluoranthene	19.14	202	19277	0.26	ng/ul	97
19) Pyrene	19.51	202	14280	0.26	ng/ul	97
20) Benzo(a)anthracene	21.26	228	1870	0.04	ng/ul#	91
21) Chrysene	21.26	228	1870	0.03	ng/ul	94
23) Benzo(b)fluoranthene	22.85	252	1357	0.02	ng/ul#	15
24) Benzo(k)fluoranthene	22.85	252	1357	0.03	ng/ul#	17
25) Benzo(a)pyrene	23.37	252	1555	0.03	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.78	276	227	0.00	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.79	278	121	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.46	276	205	0.00	ng/ul#	1

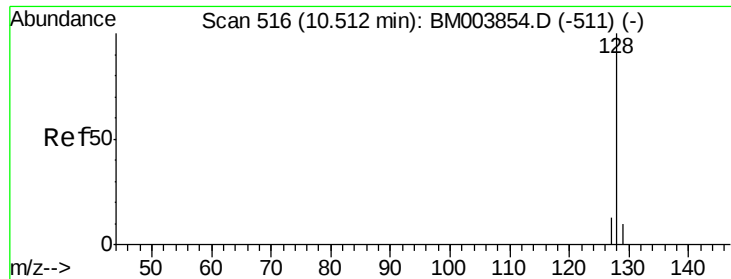
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 2.54 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

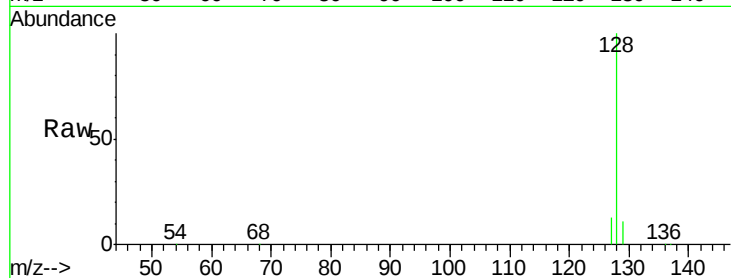
Tot Ion:128 Resp: 114241

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

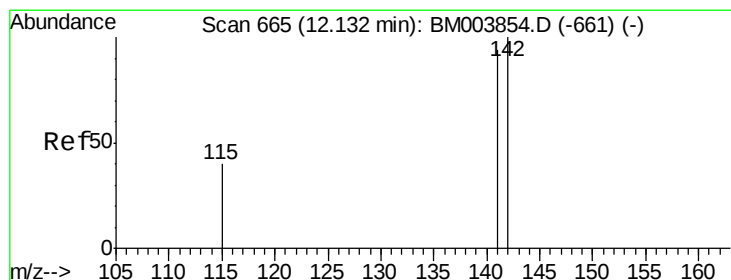
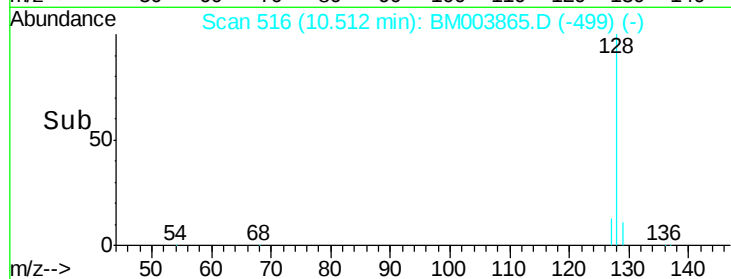
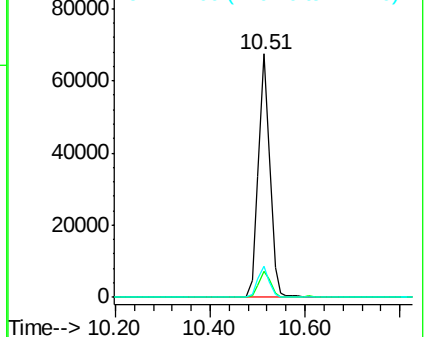
127 13.0 9.6 14.4



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: 0.41 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM003865.D

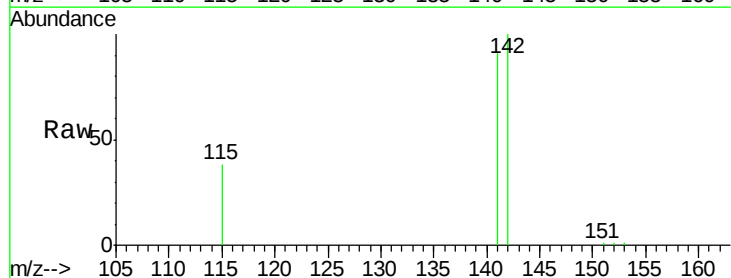
Acq: 30 Dec 2015 00:44

Tgt Ion:142 Resp: 12431

Ion Ratio Lower Upper

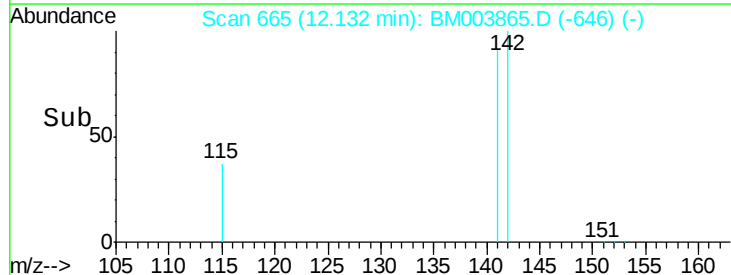
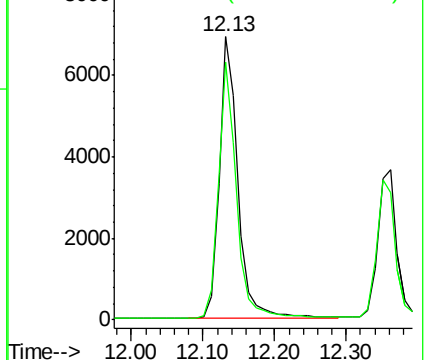
142 100

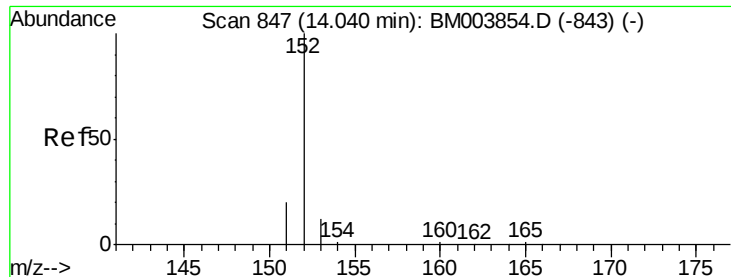
141 88.8 70.3 105.5



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: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

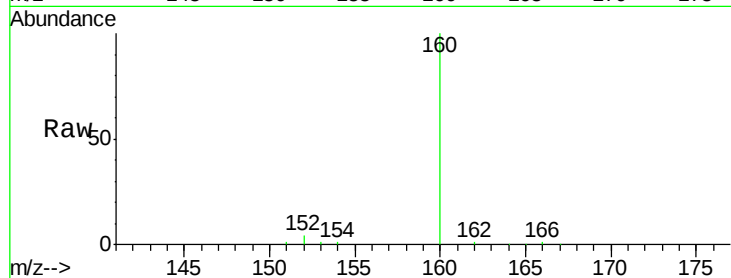
Tot Ion:152 Resp: 837

Ion Ratio Lower Upper

152 100

151 27.8 17.6 26.4#

153 24.3 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

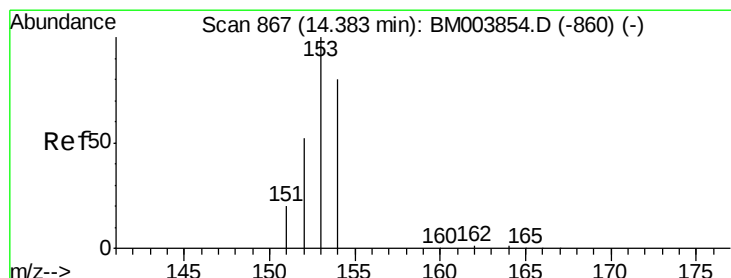
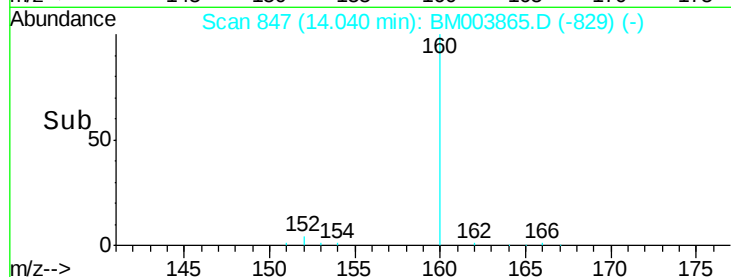
600

400

200

0

Time--> 13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

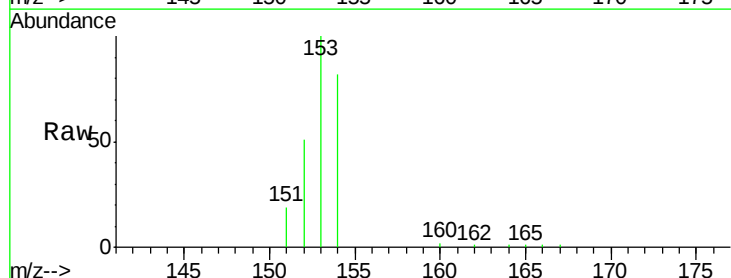
Tgt Ion:153 Resp: 15200

Ion Ratio Lower Upper

153 100

152 50.7 33.9 50.9

154 81.6 80.6 121.0



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

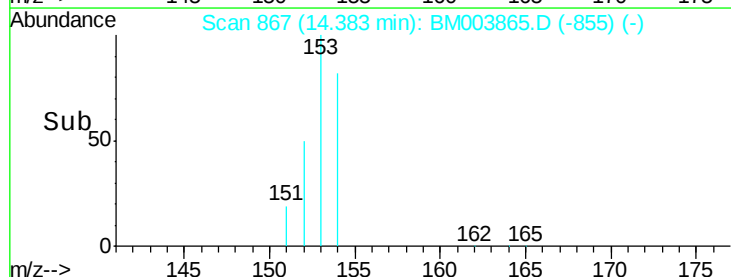
14.38

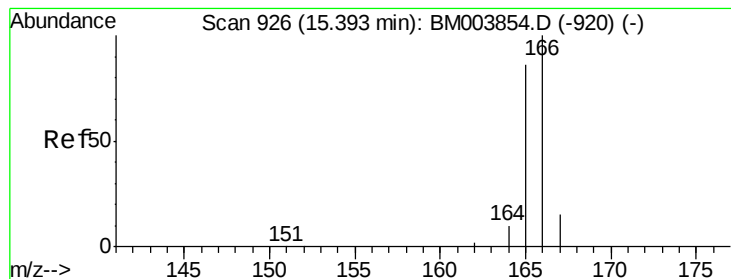
10000

5000

0

Time--> 14.30 14.35 14.40 14.45





#11

Fluorene

Concen: 0.30 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

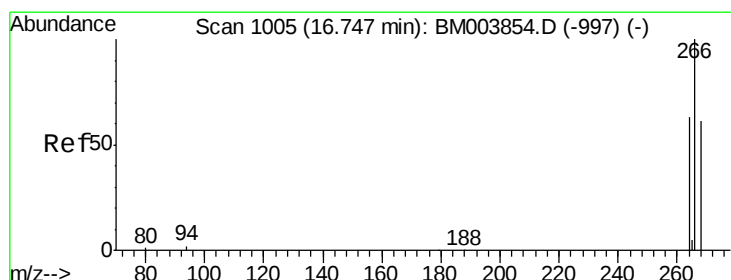
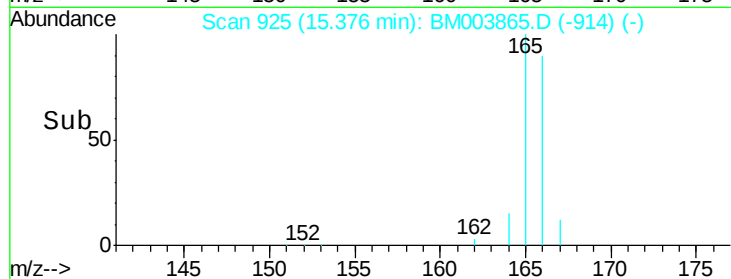
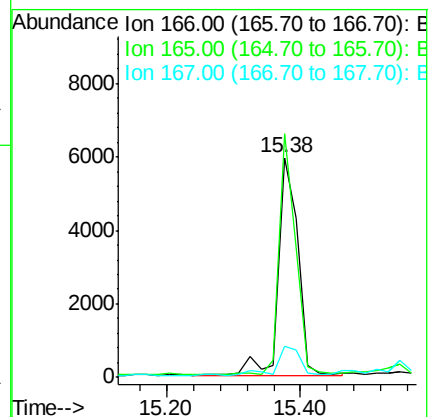
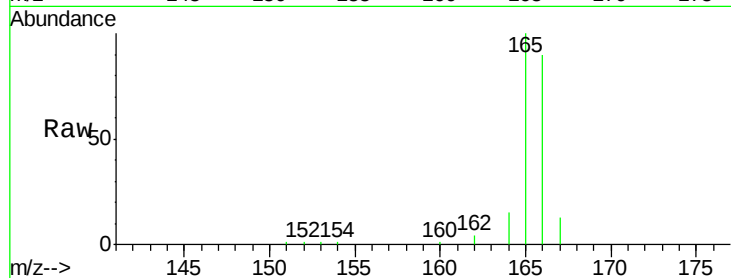
Tot Ion:166 Resp: 11904

Ion Ratio Lower Upper

166 100

165 110.8 69.6 104.4#

167 14.1 11.9 17.9



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

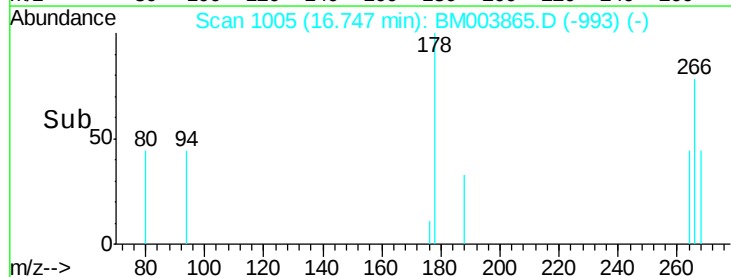
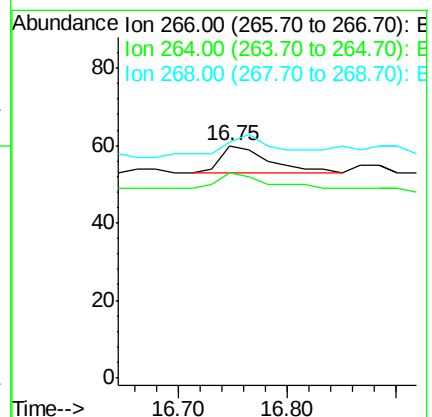
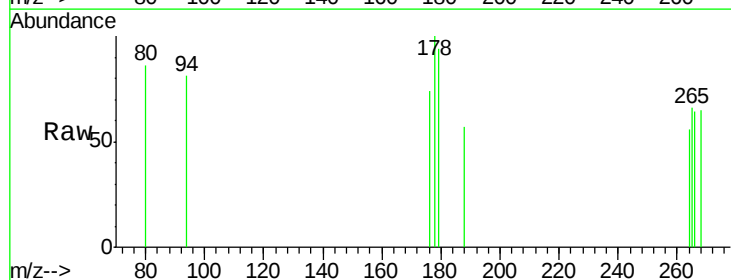
Tgt Ion:266 Resp: 22

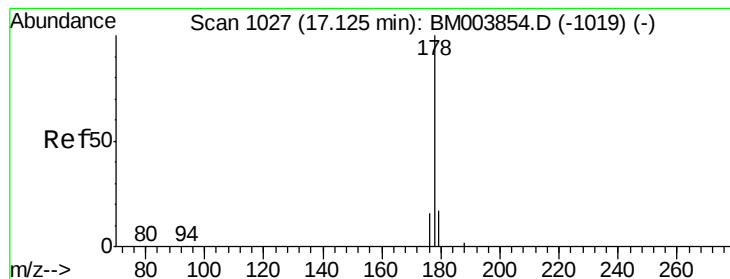
Ion Ratio Lower Upper

266 100

264 72.7 51.8 77.8

268 95.5 46.8 70.2#





#14

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

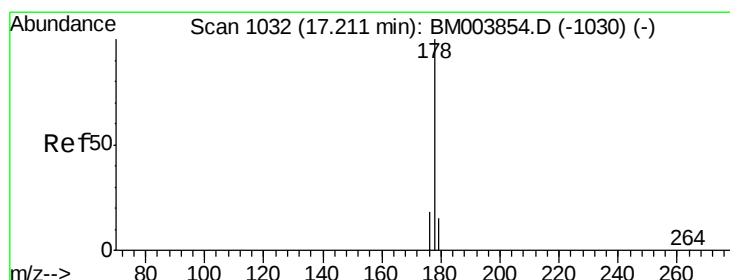
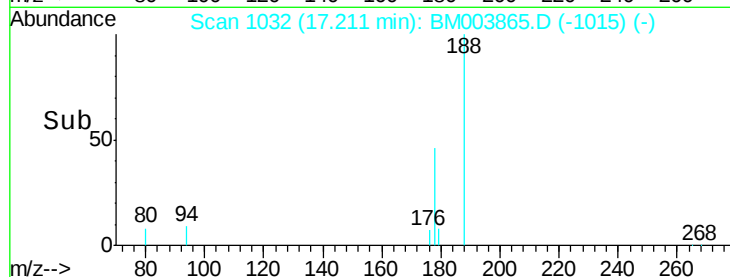
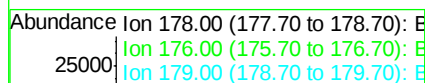
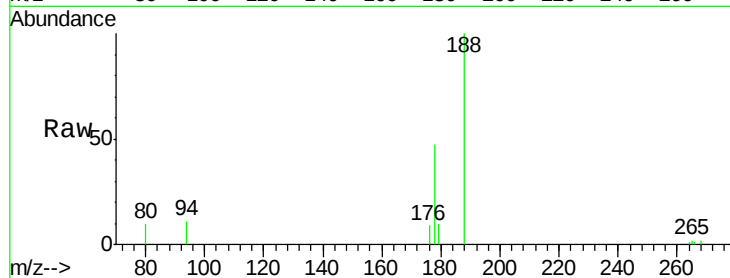
Tot Ion:178 Resp: 2851

Ion Ratio Lower Upper

178 100

176 19.4 13.0 19.4

179 20.7 14.2 21.2



#15

Anthracene

Concen: 0.05 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

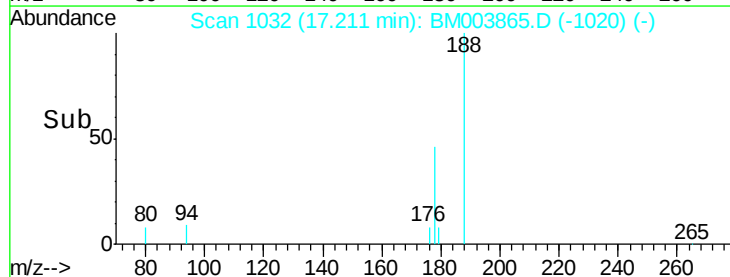
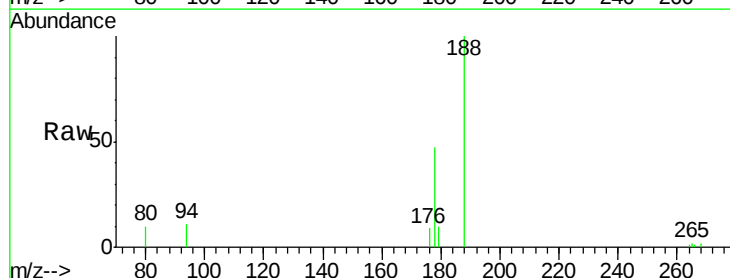
Tgt Ion:178 Resp: 3160

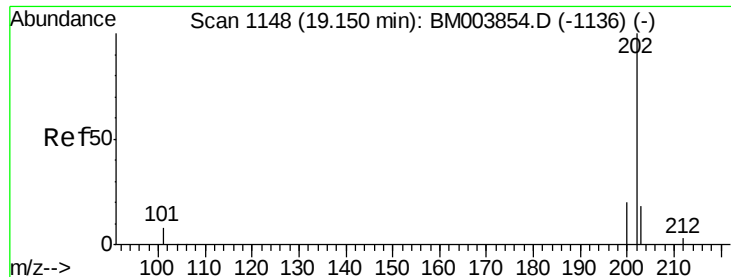
Ion Ratio Lower Upper

178 100

176 19.4 14.0 21.0

179 20.7 12.9 19.3#

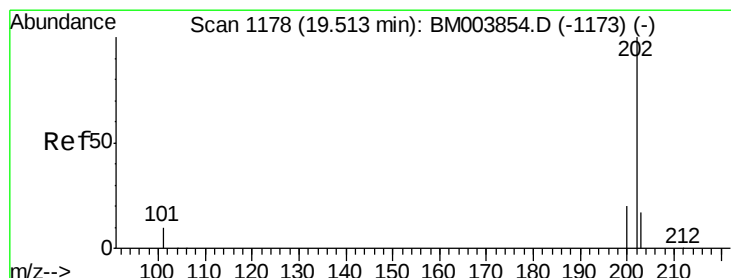
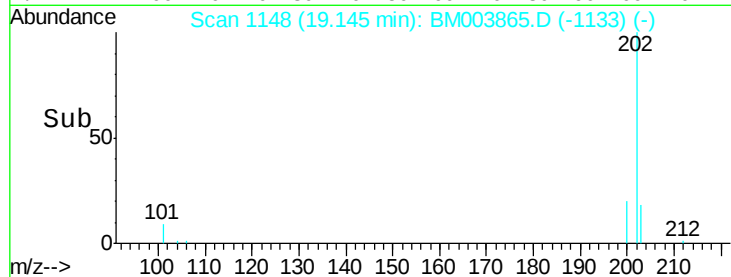
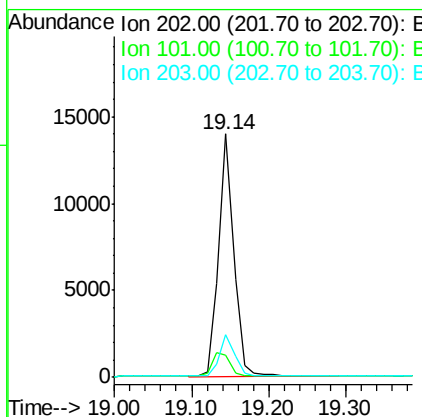
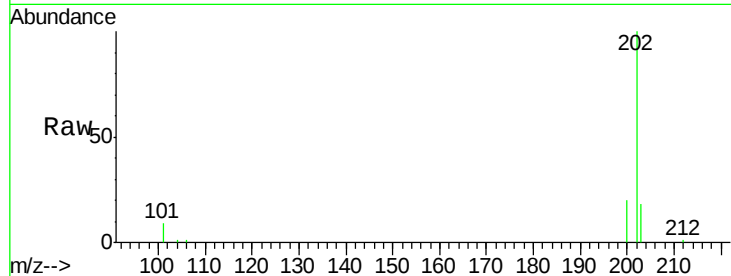




#17
Fluoranthene
 Concen: 0.26 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM003865.D
 Acq: 30 Dec 2015 00:44

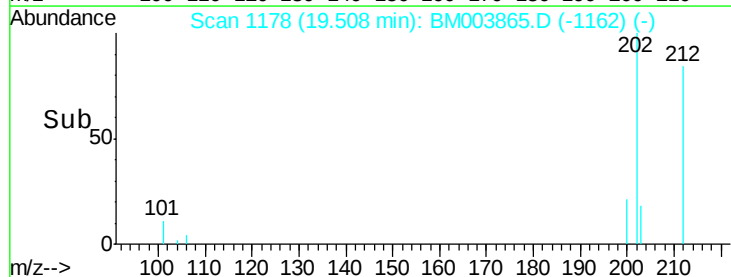
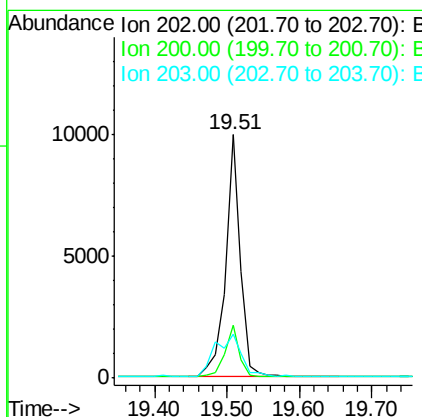
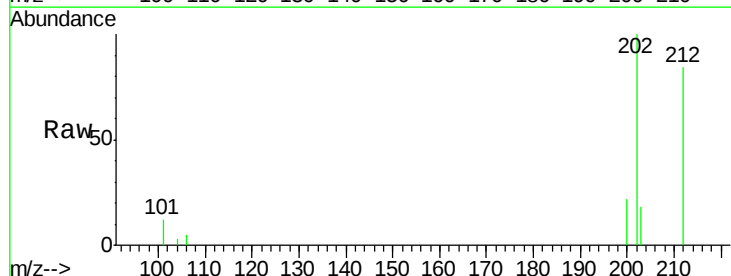
Instrument :
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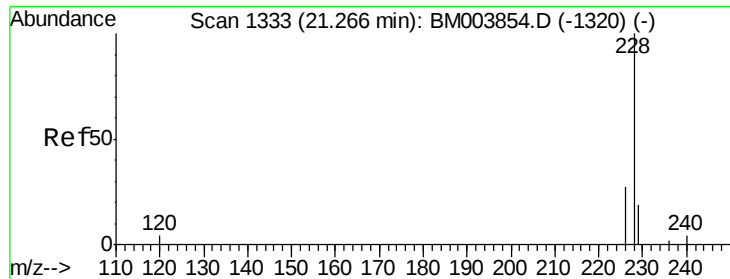
Tot Ion:202 Resp: 19277
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.6
 203 17.7 0.0 36.3



#19
Pyrene
 Concen: 0.26 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BM003865.D
 Acq: 30 Dec 2015 00:44

Tgt Ion:202 Resp: 14280
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.8
 203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

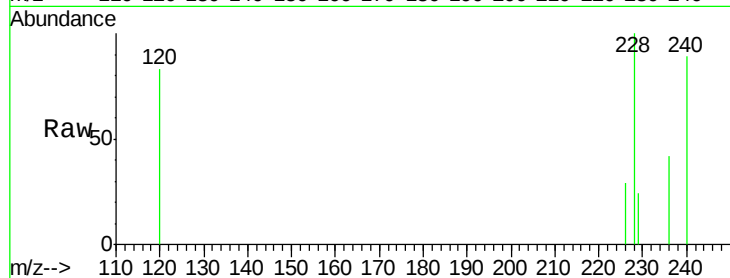
Tot Ion:228 Resp: 1870

Ion Ratio Lower Upper

228 100

226 29.4 18.8 28.2#

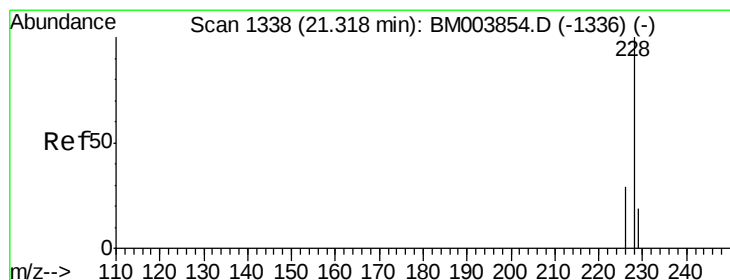
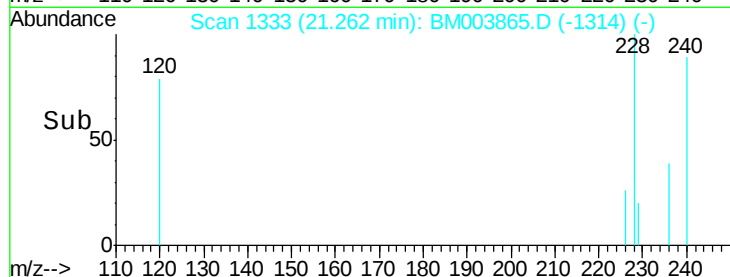
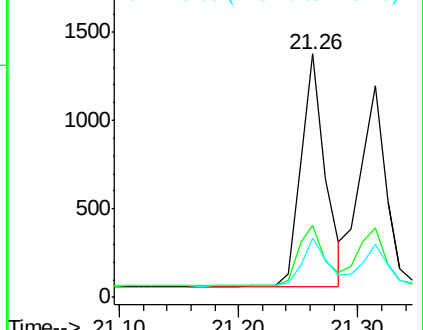
229 24.2 17.1 25.7



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: 0.03 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

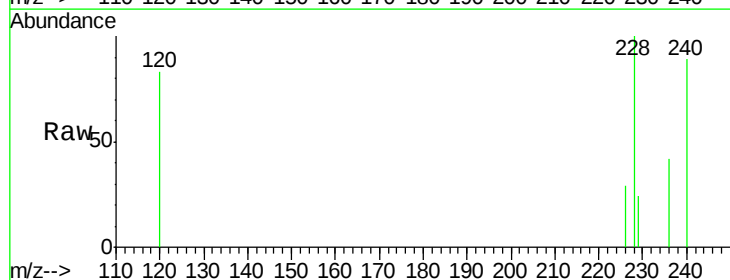
Tgt Ion:228 Resp: 1870

Ion Ratio Lower Upper

228 100

226 29.4 21.2 31.8

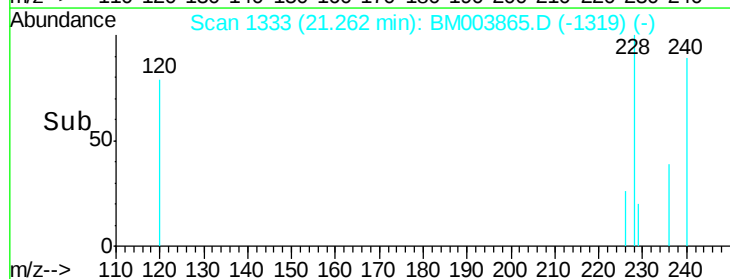
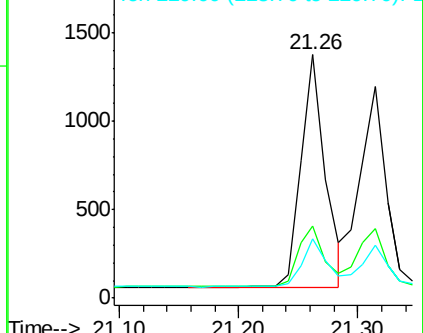
229 24.2 17.0 25.6

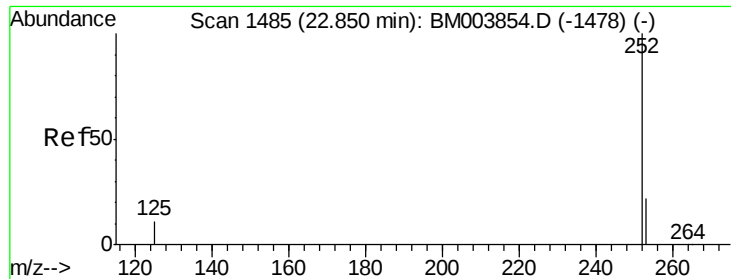


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

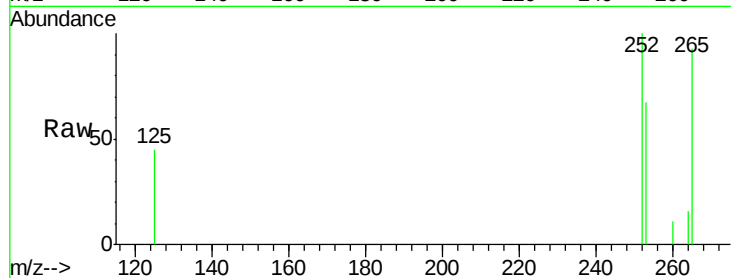
Tot Ion:252 Resp: 1357

Ion Ratio Lower Upper

252 100

253 67.0 0.0 45.4#

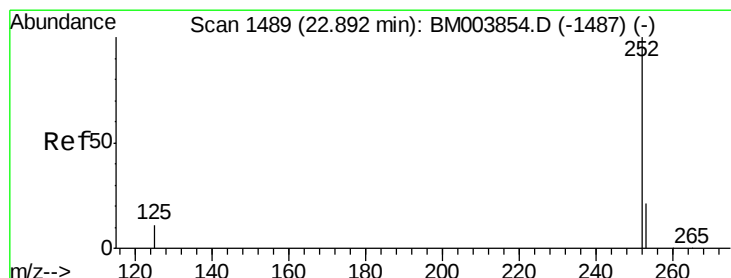
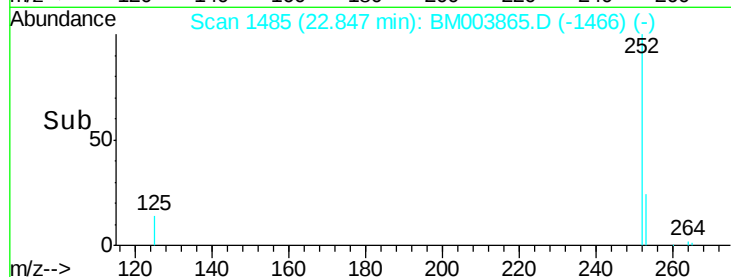
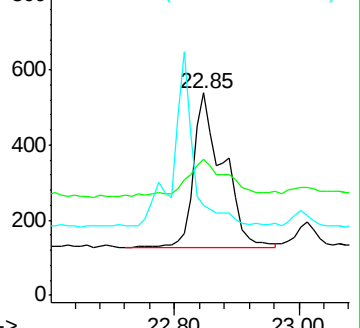
125 44.7 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

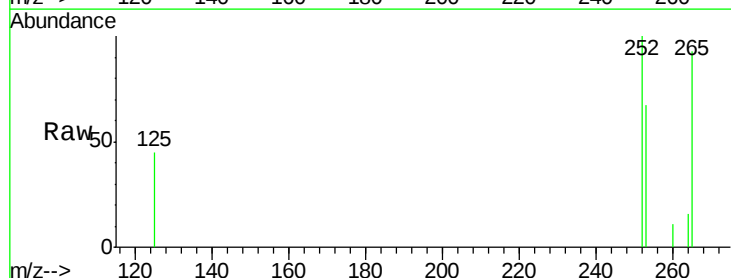
Tgt Ion:252 Resp: 1357

Ion Ratio Lower Upper

252 100

253 67.0 19.8 29.8#

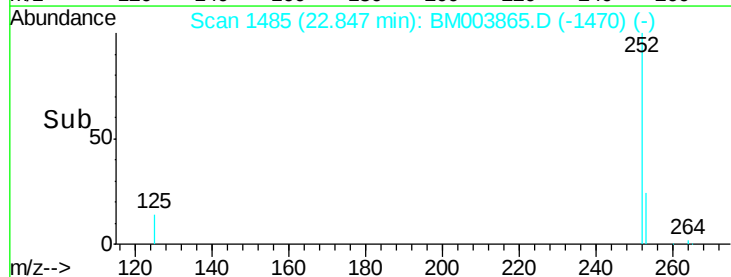
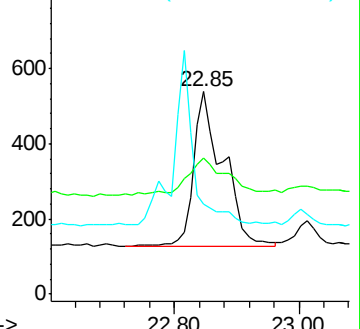
125 44.7 10.4 15.6#

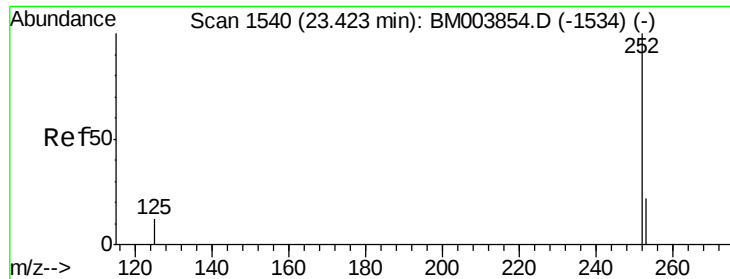


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.06 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

Instrument :

BNA_M

ClientSampleId :

D9N59DL

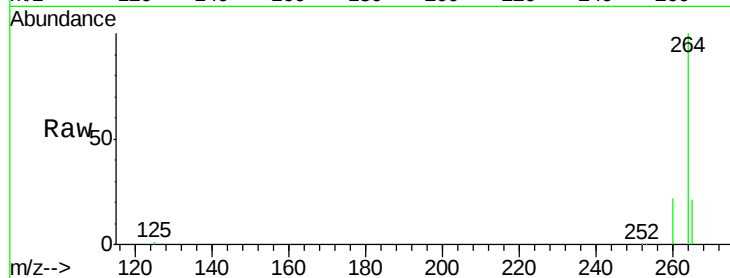
Tot Ion:252 Resp: 1555

Ion Ratio Lower Upper

252 100

253 64.9 19.4 29.2#

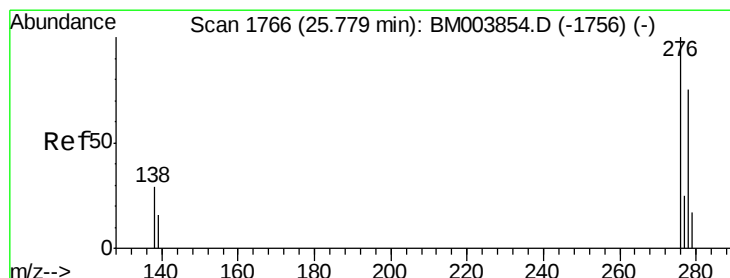
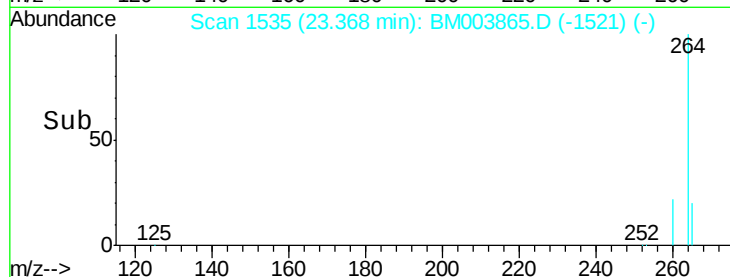
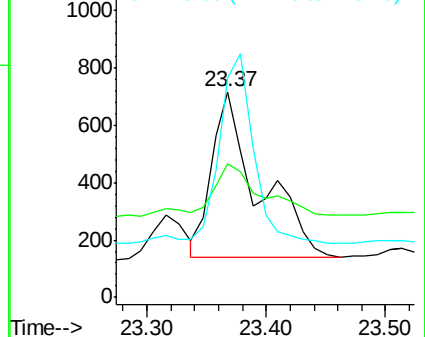
125 107.1 12.7 19.1#



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: 0.00 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BM003865.D

Acq: 30 Dec 2015 00:44

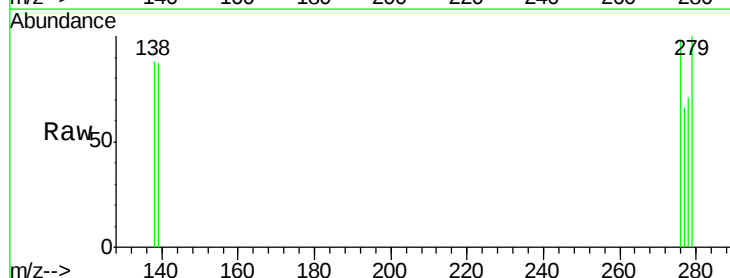
Tgt Ion:276 Resp: 227

Ion Ratio Lower Upper

276 100

138 31.3 16.3 24.5#

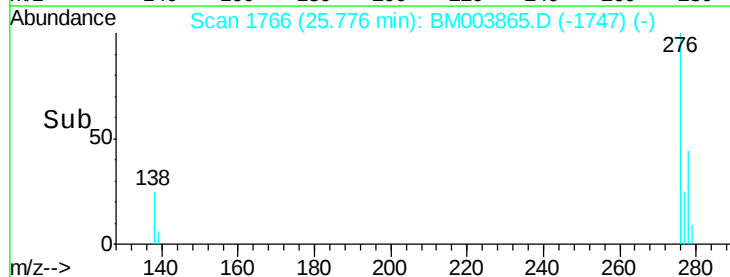
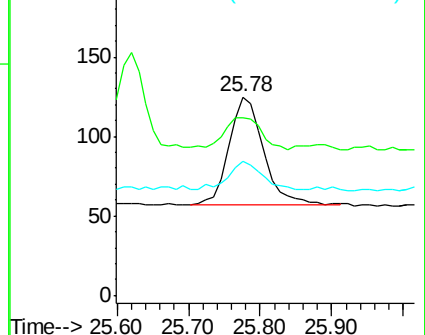
277 25.1 19.8 29.8

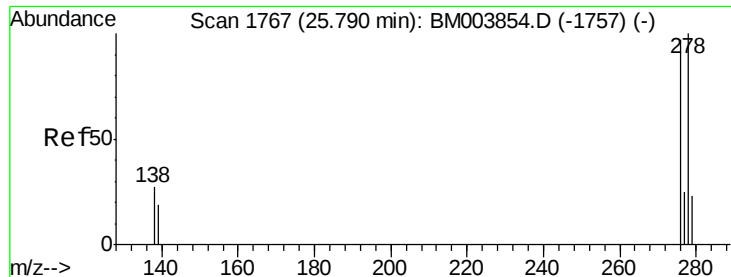


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

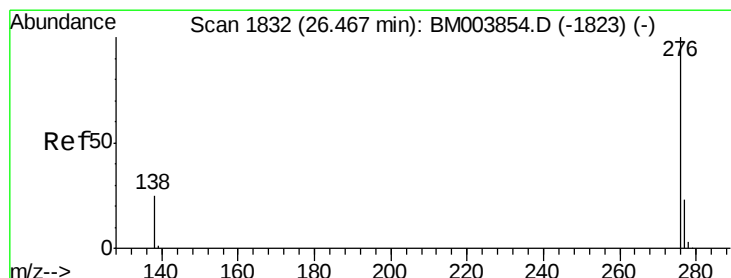
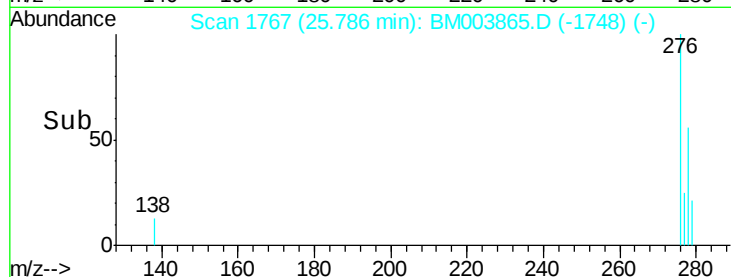
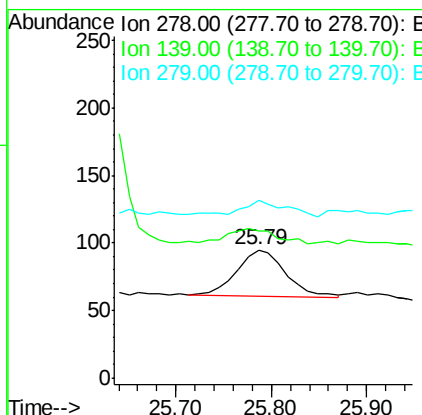
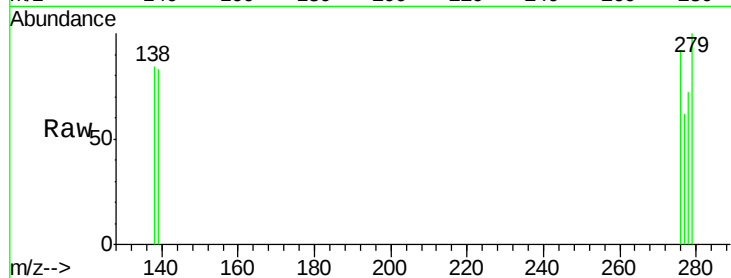




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BM003865.D
Acq: 30 Dec 2015 00:44

Instrument :
BNA_M
ClientSampleId :
D9N59DL

Tot Ion:278 Resp: 121
Ion Ratio Lower Upper
278 100
139 114.7 16.4 24.6#
279 138.9 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.46 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BM003865.D
Acq: 30 Dec 2015 00:44

Tgt Ion:276 Resp: 205
Ion Ratio Lower Upper
276 100
277 72.7 18.9 28.3#
138 94.5 22.5 33.7#

