

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003863.D
 Acq On : 29 Dec 2015 23:32
 Operator : SJ/UM
 Sample : G4848-01DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N47DL

Quant Time: Dec 30 03:34:50 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	3745	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16342	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	9623	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	22198	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	19057	0.40	ng/ul	0.00
22) Perylene-d12	23.51	264	15940	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	4682	2.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	1892	0.10	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	5351	0.11	ng/ul	0.00

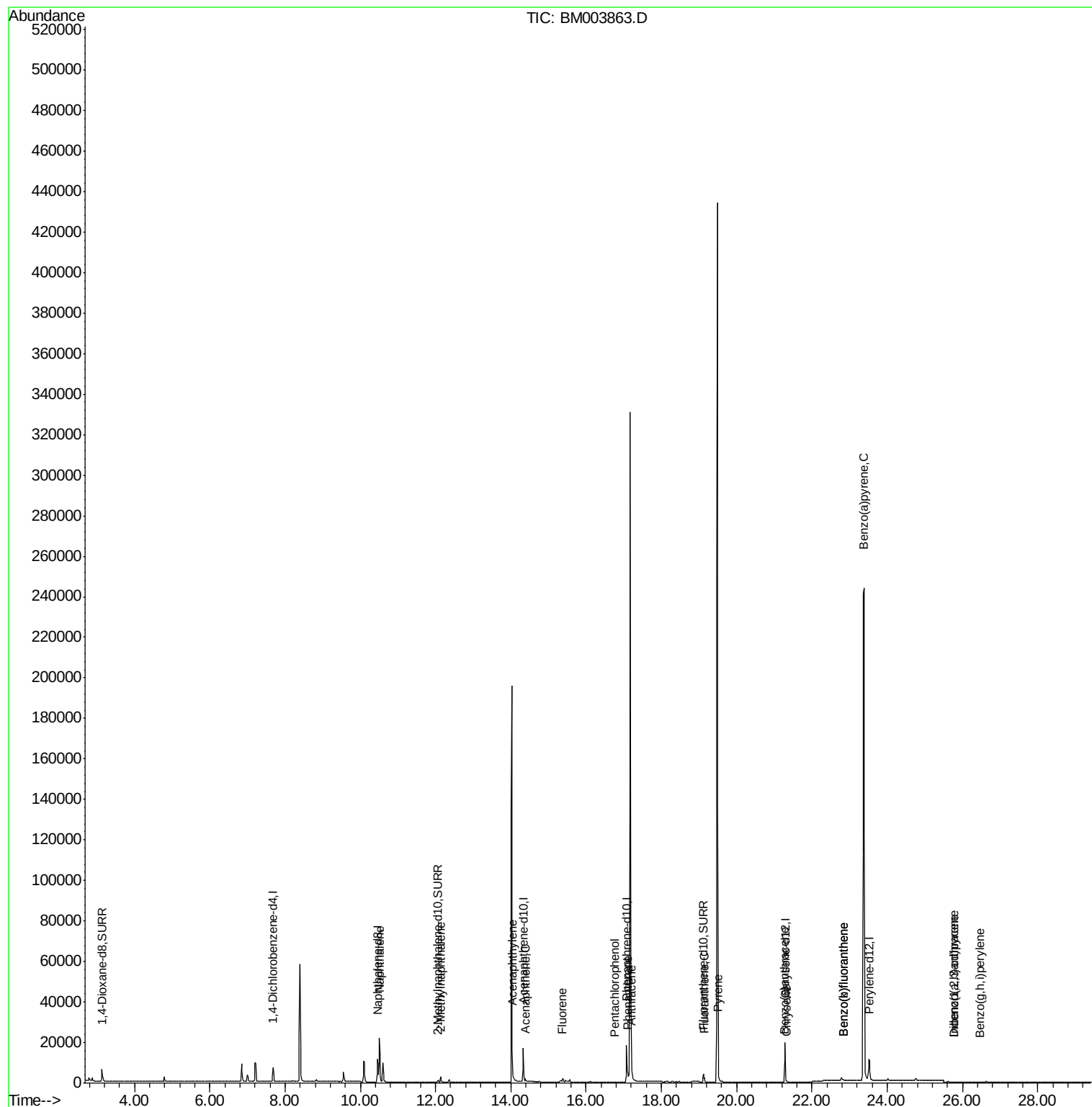
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.51	128	30287	0.82	ng/ul	98
7) 2-Methylnaphthalene	12.14	142	2659	0.11	ng/ul	99
9) Acenaphthylene	14.04	152	202	0.01	ng/ul#	35
10) Acenaphthene	14.38	153	1088	0.04	ng/ul#	81
11) Fluorene	15.38	166	1193	0.04	ng/ul#	75
13) Pentachlorophenol	16.76	266	26	0.01	ng/ul#	71
14) Phenanthrene	17.11	178	4957	0.09	ng/ul#	89
15) Anthracene	17.21	178	800	0.02	ng/ul#	67
17) Fluoranthene	19.14	202	2163	0.03	ng/ul	89
19) Pyrene	19.51	202	2300	0.04	ng/ul#	87
20) Benzo(a)anthracene	21.26	228	427	0.01	ng/ul#	65
21) Chrysene	21.31	228	370	0.01	ng/ul#	67
23) Benzo(b)fluoranthene	22.85	252	297	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.85	252	297	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	1551	0.03	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.79	276	146	0.00	ng/ul#	76
27) Dibenzo(a,h)anthracene	25.79	278	113	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.46	276	135	0.00	ng/ul#	1

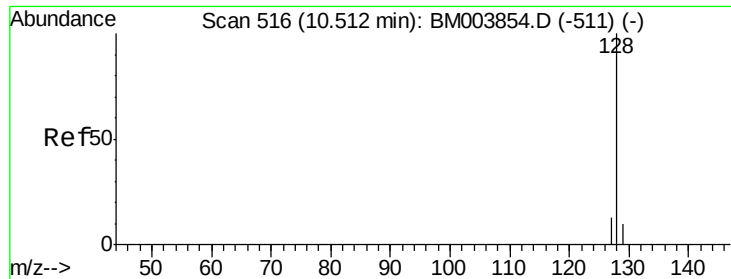
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.82 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

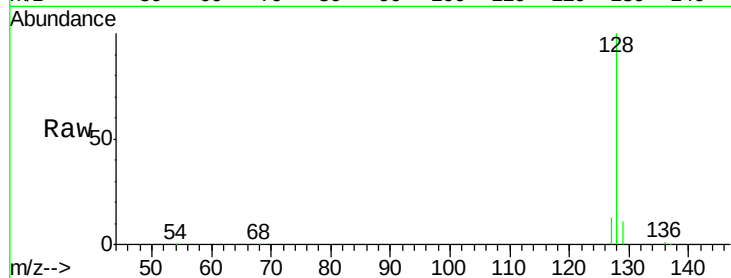
Tot Ion:128 Resp: 30287

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

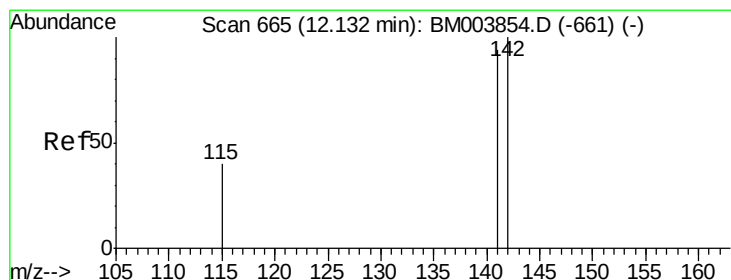
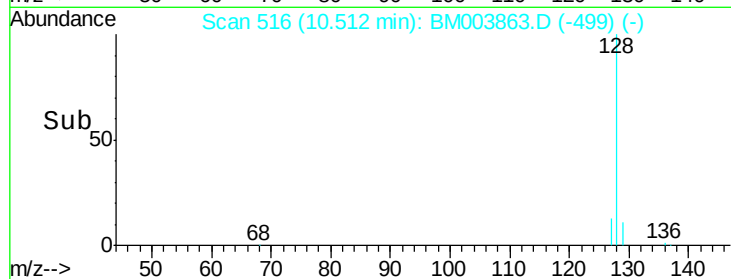
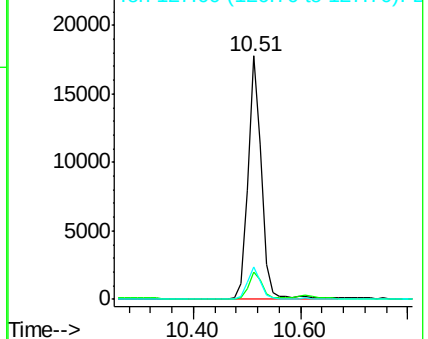
127 13.4 9.6 14.4



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: 0.11 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM003863.D

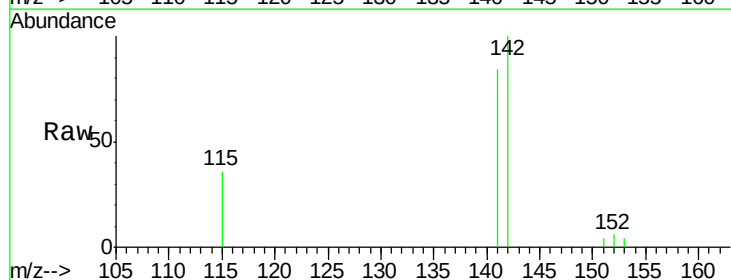
Acq: 29 Dec 2015 23:32

Tgt Ion:142 Resp: 2659

Ion Ratio Lower Upper

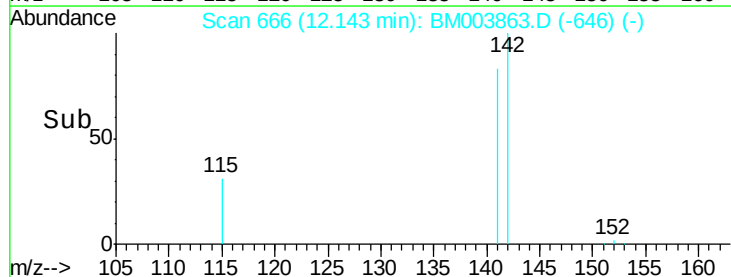
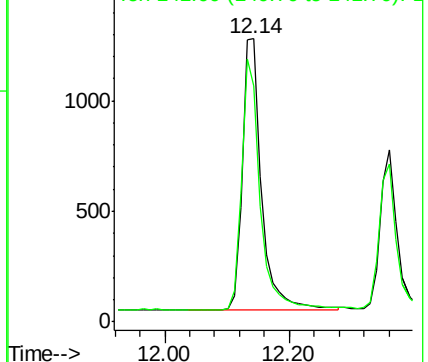
142 100

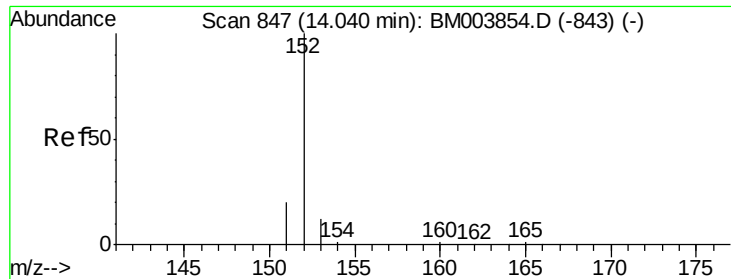
141 88.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

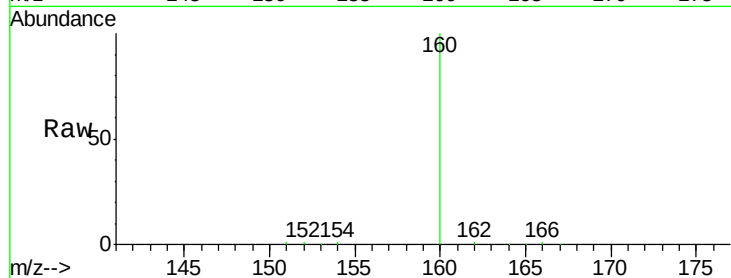
Tot Ion:152 Resp: 202

Ion Ratio Lower Upper

152 100

151 47.9 17.6 26.4#

153 44.9 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

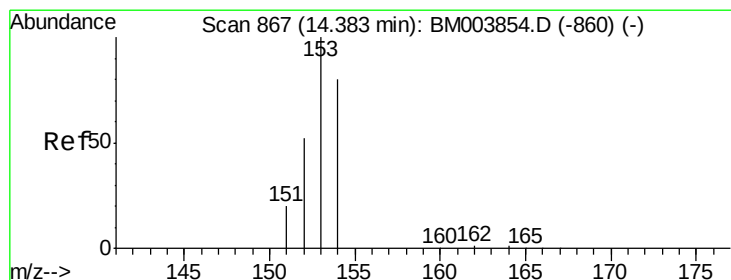
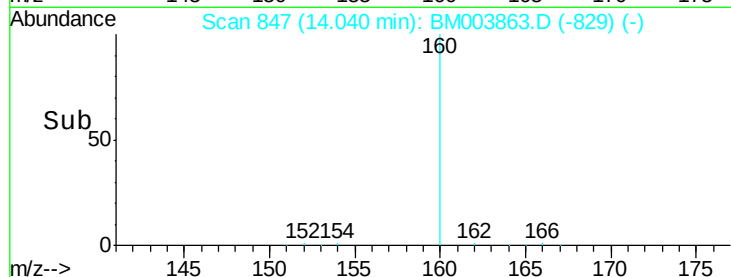
150

100

50

0

Time--> 13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

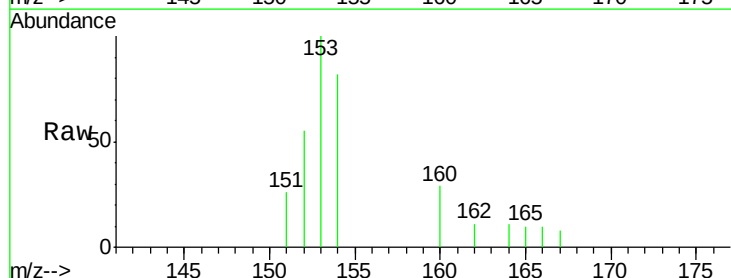
Tgt Ion:153 Resp: 1088

Ion Ratio Lower Upper

153 100

152 55.5 33.9 50.9#

154 82.5 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

1000

800

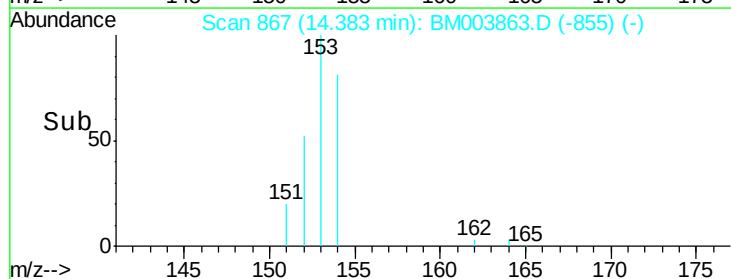
600

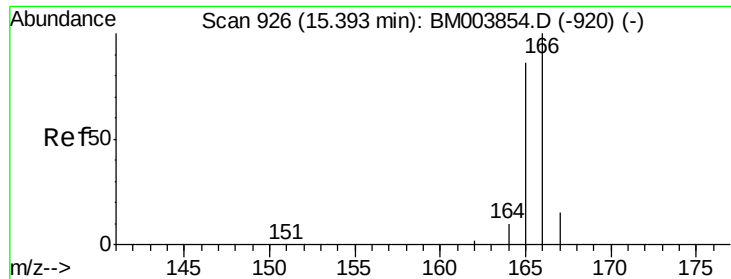
400

200

0

Time--> 14.30 14.35 14.40 14.45





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

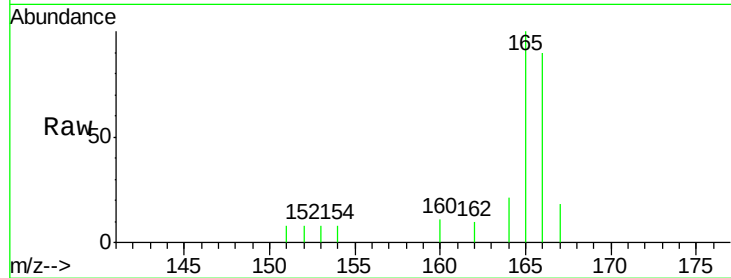
Tot Ion:166 Resp: 1193

Ion Ratio Lower Upper

166 100

165 111.4 69.6 104.4#

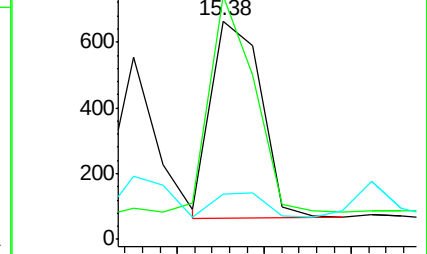
167 20.5 11.9 17.9#



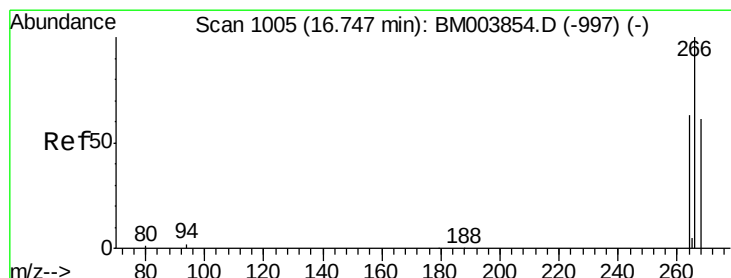
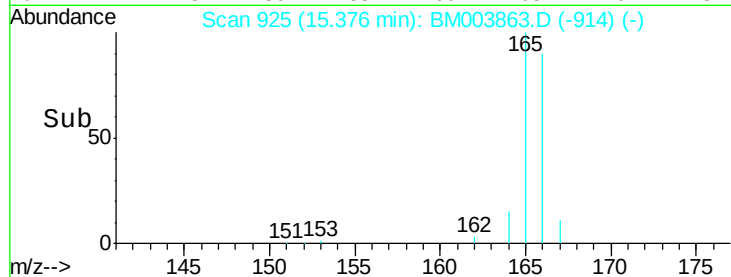
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

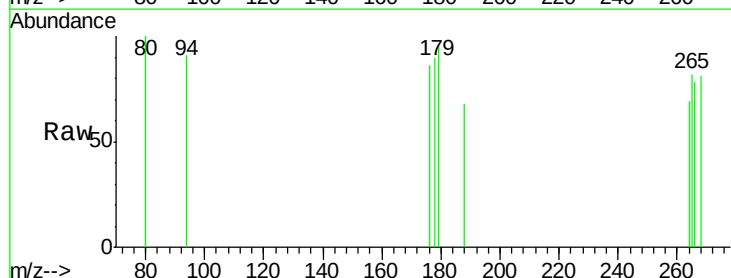
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

264 57.7 51.8 77.8

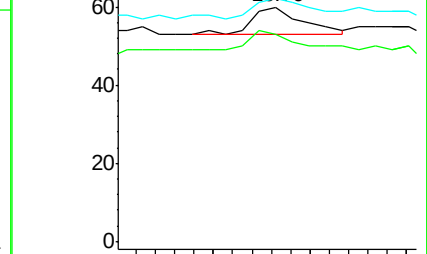
268 96.2 46.8 70.2#



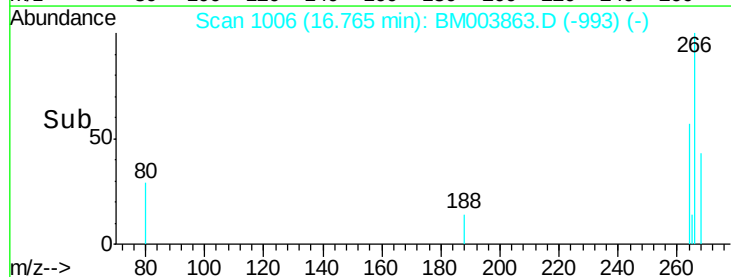
Abundance Ion 266.00 (265.70 to 266.70): E

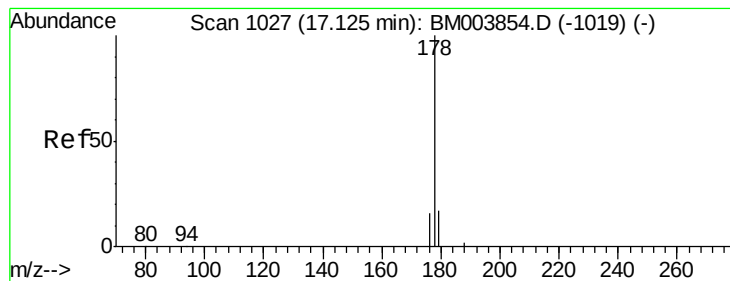
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#14

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

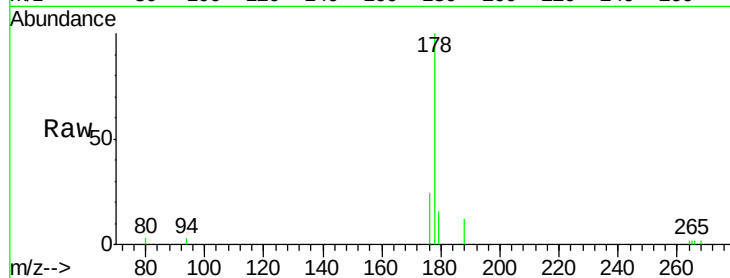
Tot Ion:178 Resp: 4957

Ion Ratio Lower Upper

178 100

176 23.6 13.0 19.4#

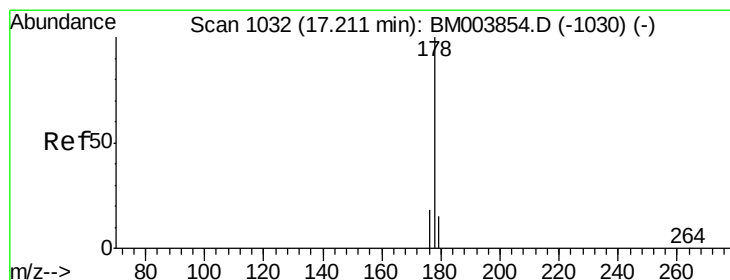
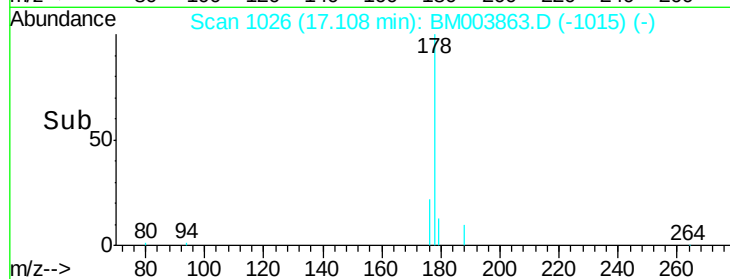
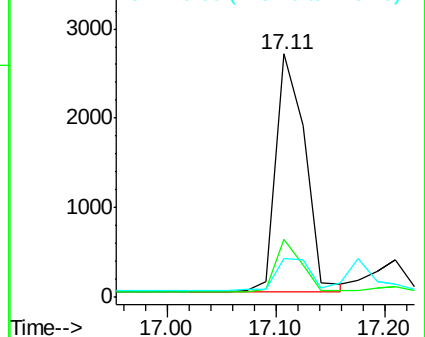
179 15.8 14.2 21.2



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



#15

Anthracene

Concen: 0.02 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

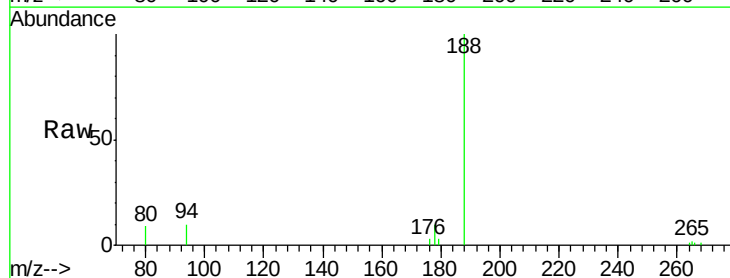
Tgt Ion:178 Resp: 800

Ion Ratio Lower Upper

178 100

176 28.9 14.0 21.0#

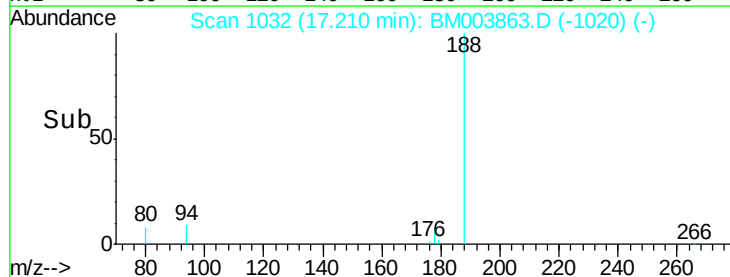
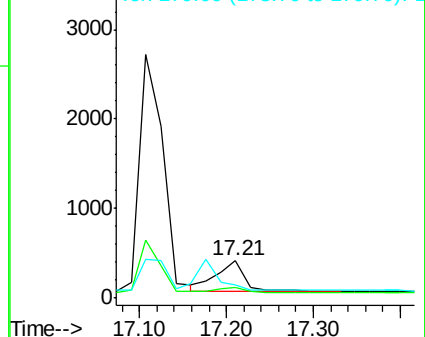
179 33.7 12.9 19.3#

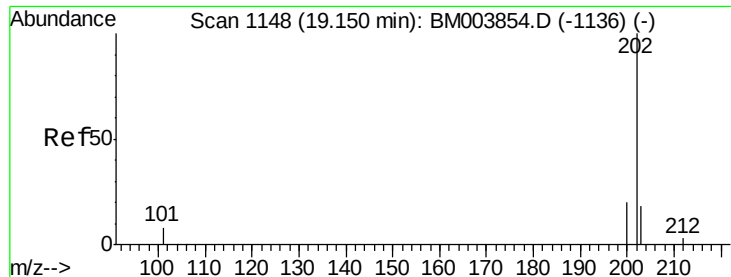


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

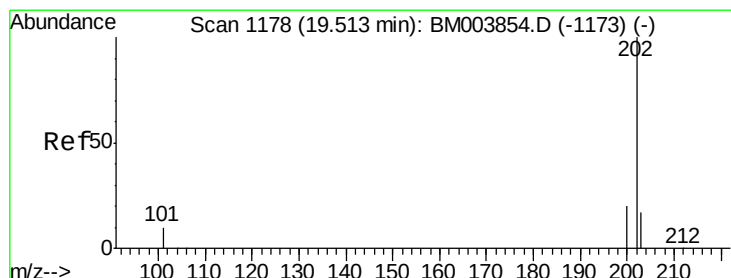
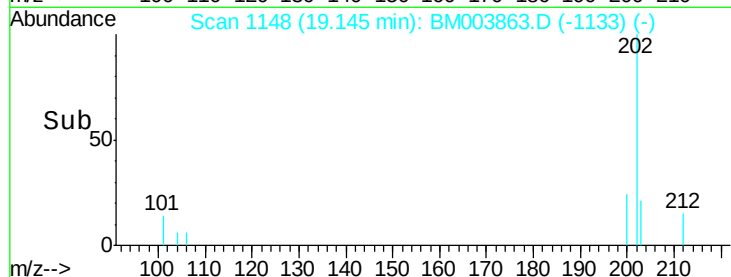
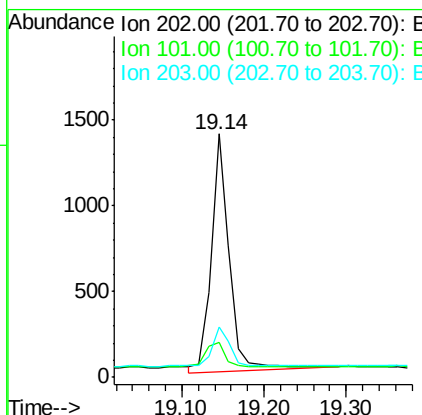
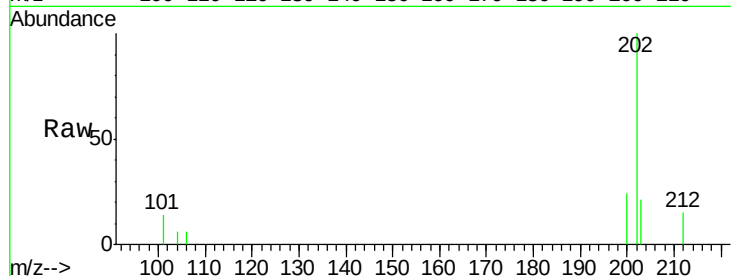




#17
Fluoranthene
Concen: 0.03 ng/ul
RT: 19.14 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM003863.D
Acq: 29 Dec 2015 23:32

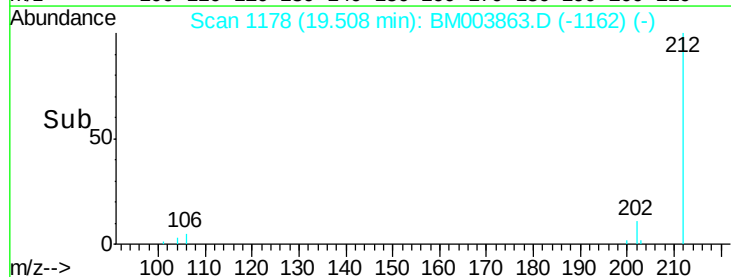
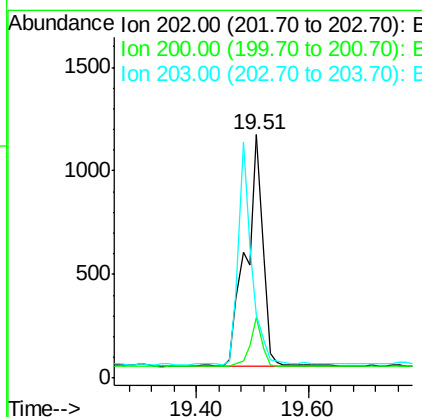
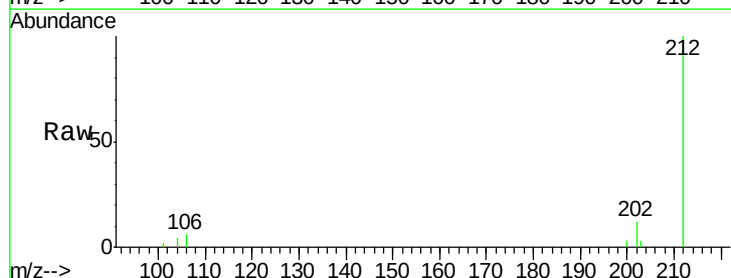
Instrument :
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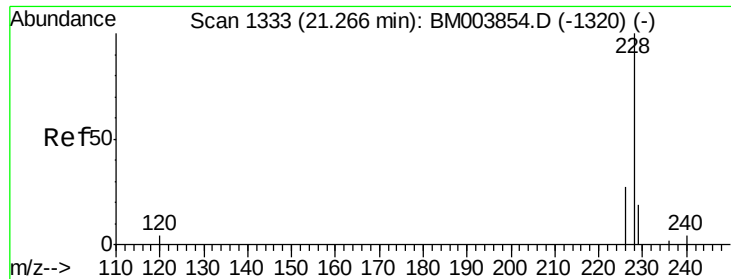
Tot Ion:202 Resp: 2163
Ion Ratio Lower Upper
202 100
101 14.1 0.0 29.6
203 20.8 0.0 36.3



#19
Pyrene
Concen: 0.04 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM003863.D
Acq: 29 Dec 2015 23:32

Tgt Ion:202 Resp: 2300
Ion Ratio Lower Upper
202 100
200 24.9 17.8 26.8
203 25.9 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

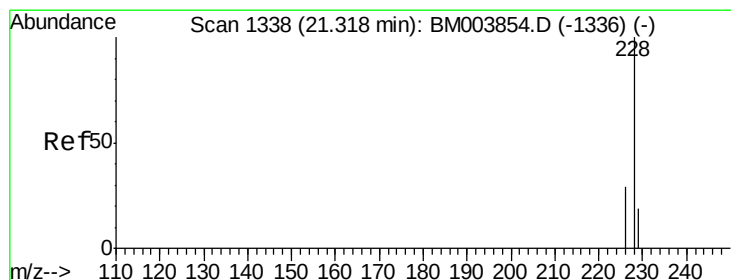
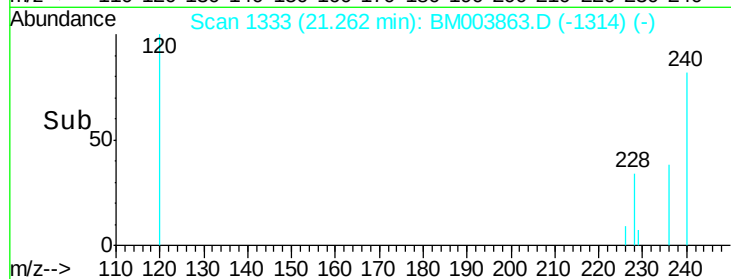
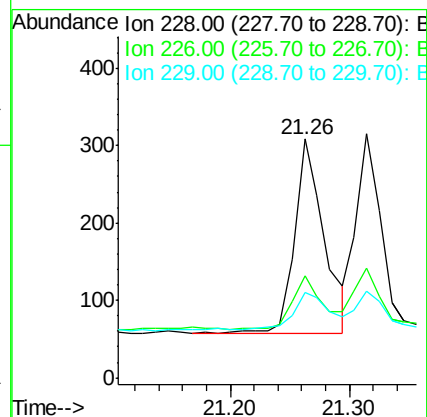
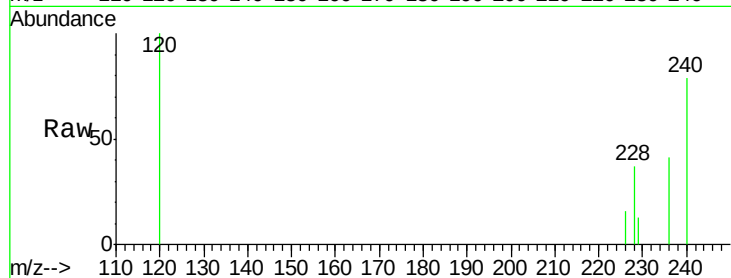
Tot Ion:228 Resp: 427

Ion Ratio Lower Upper

228 100

226 42.9 18.8 28.2#

229 35.7 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

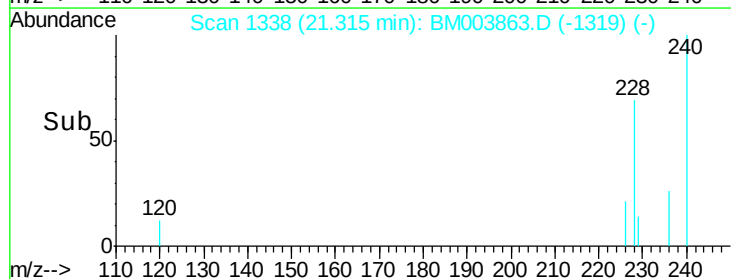
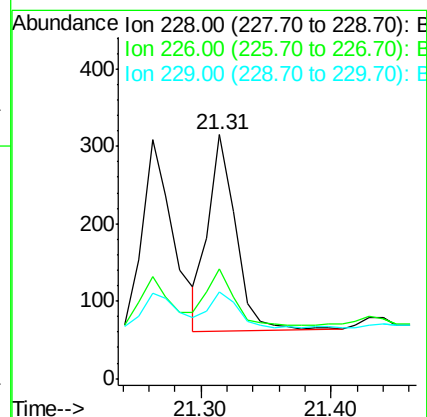
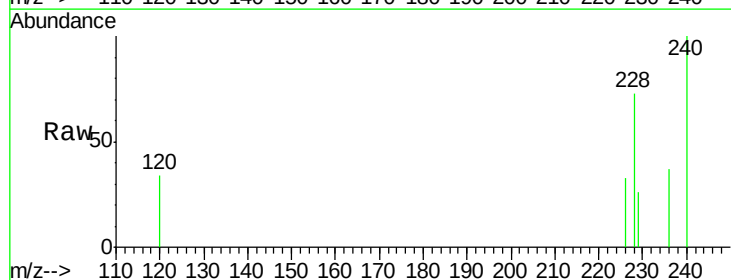
Tgt Ion:228 Resp: 370

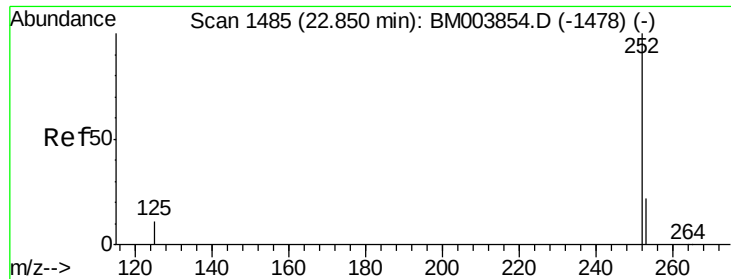
Ion Ratio Lower Upper

228 100

226 44.8 21.2 31.8#

229 35.6 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

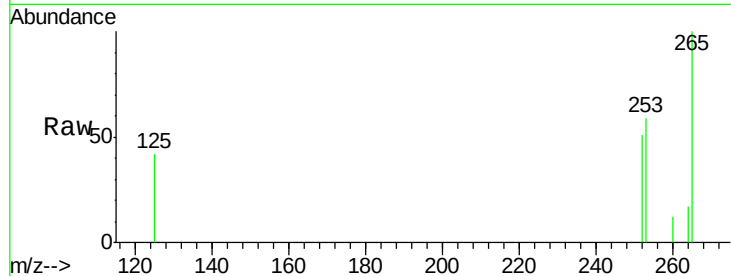
Tot Ion:252 Resp: 297

Ion Ratio Lower Upper

252 100

253 115.5 0.0 45.4#

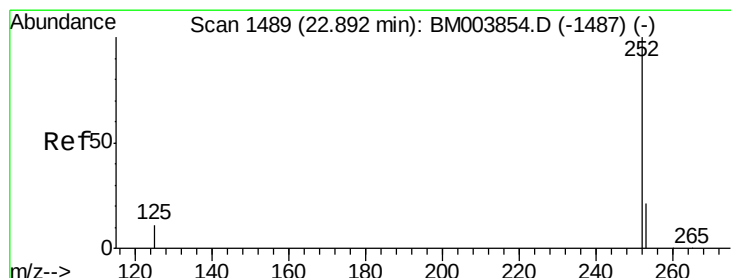
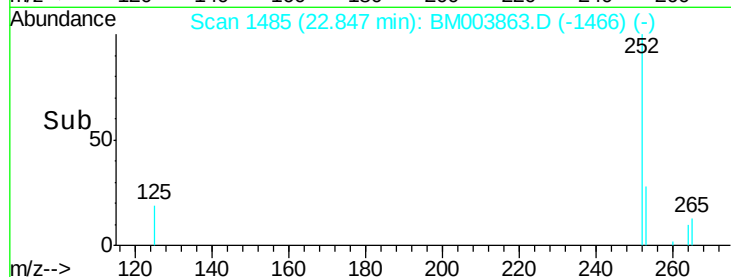
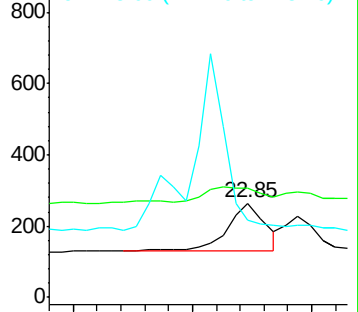
125 81.8 0.0 28.8#



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: 0.01 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

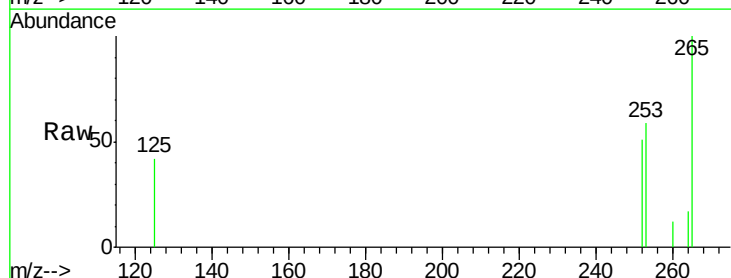
Tgt Ion:252 Resp: 297

Ion Ratio Lower Upper

252 100

253 115.5 19.8 29.8#

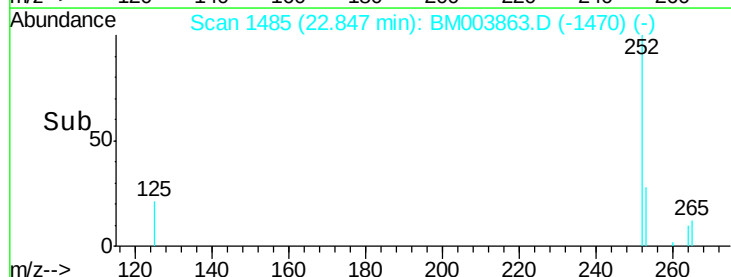
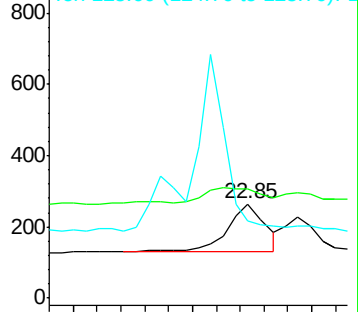
125 81.8 10.4 15.6#

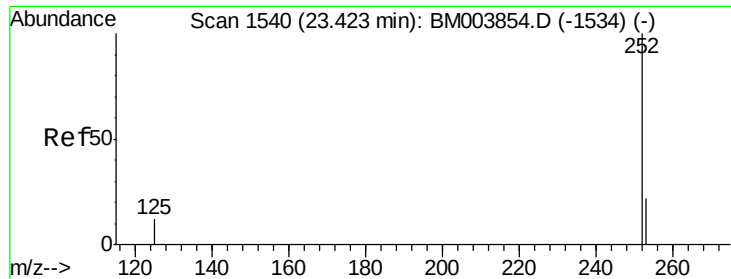


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM003863.D

Acq: 29 Dec 2015 23:32

Instrument :

BNA_M

ClientSampleId :

D9N47DL

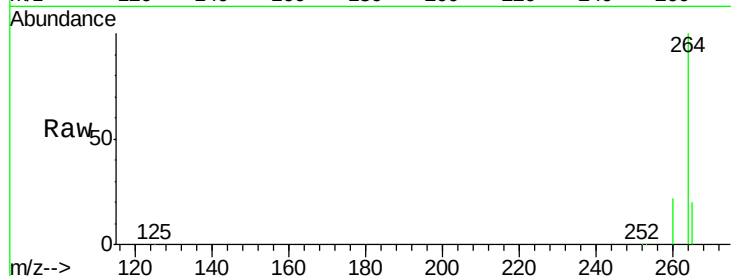
Tot Ion:252 Resp: 1551

Ion Ratio Lower Upper

252 100

253 58.2 19.4 29.2#

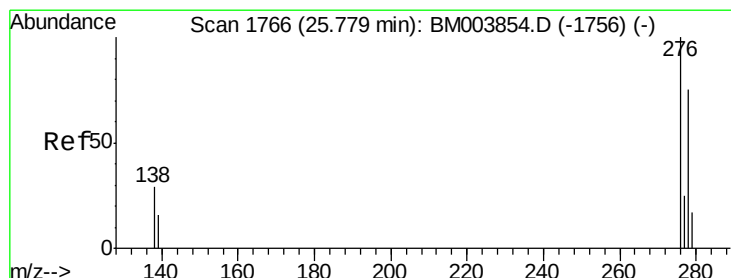
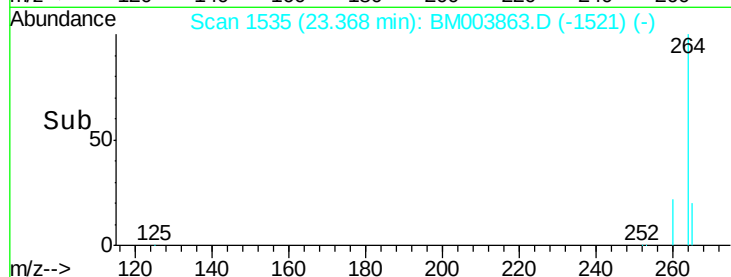
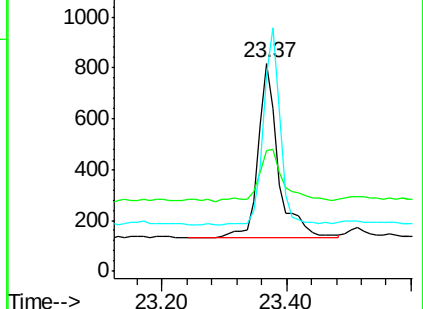
125 94.3 12.7 19.1#



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: 25.79 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BM003863.D

Acq: 29 Dec 2015 23:32

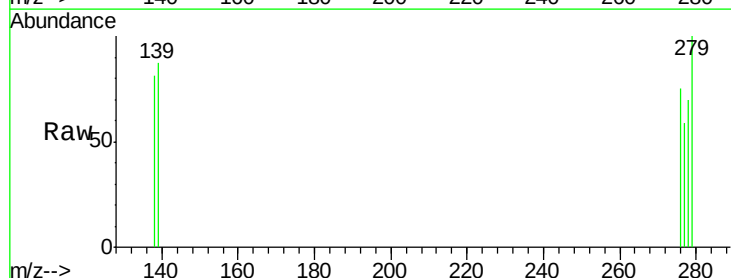
Tgt Ion:276 Resp: 146

Ion Ratio Lower Upper

276 100

138 44.5 16.3 24.5#

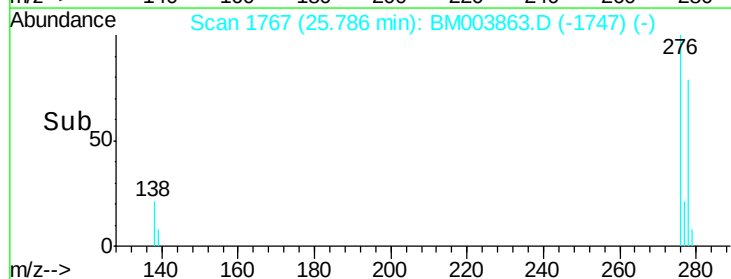
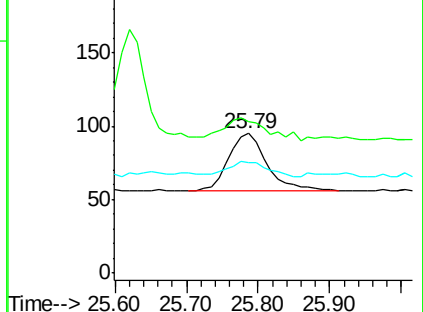
277 24.7 19.8 29.8

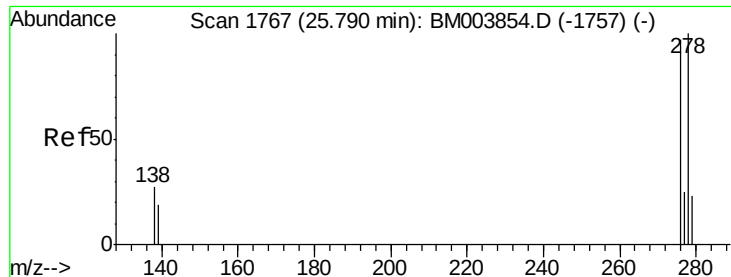


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

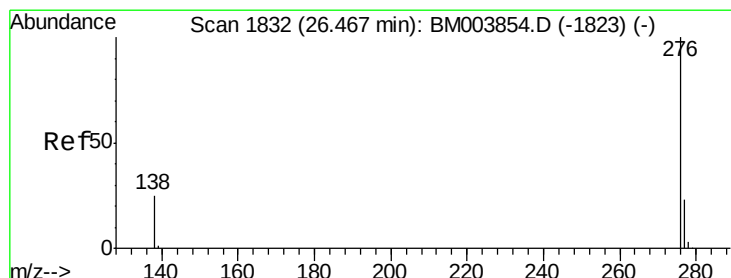
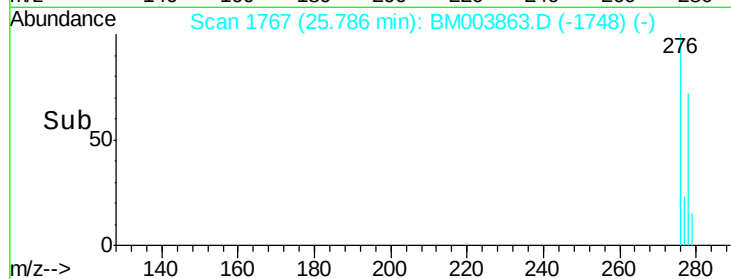
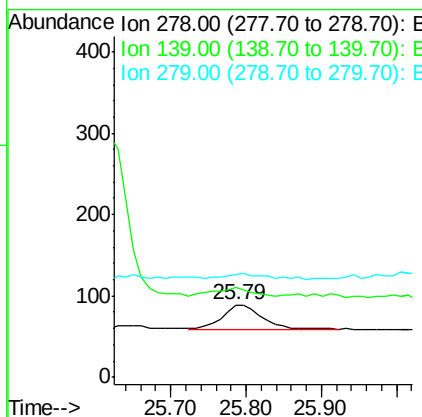
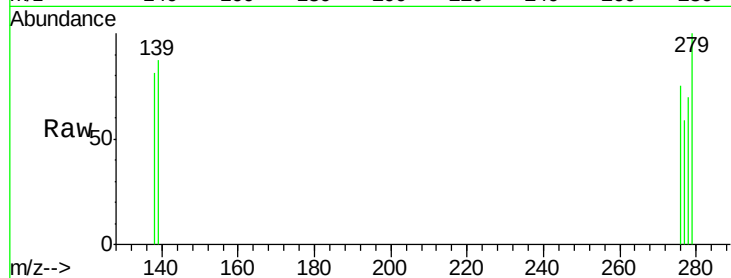




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BM003863.D
Acq: 29 Dec 2015 23:32

Instrument :
BNA_M
ClientSampleId :
D9N47DL

Tot Ion:278 Resp: 113
Ion Ratio Lower Upper
278 100
139 124.7 16.4 24.6#
279 142.7 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: BM003863.D
Acq: 29 Dec 2015 23:32

Tgt Ion:276 Resp: 135
Ion Ratio Lower Upper
276 100
277 82.0 18.9 28.3#
138 111.2 22.5 33.7#

