

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123115\
 Data File : BM003864.D
 Acq On : 30 Dec 2015 00:08
 Operator : SJ/UM
 Sample : G4848-11DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N57DL

Quant Time: Dec 30 03:35:01 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	4906	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	21185	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	12094	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	26789	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	21163	0.40	ng/ul	0.00
22) Perylene-d12	23.51	264	17533	0.40	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	5042	2.40	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	2001	0.08	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	5180	0.09	ng/ul	0.00

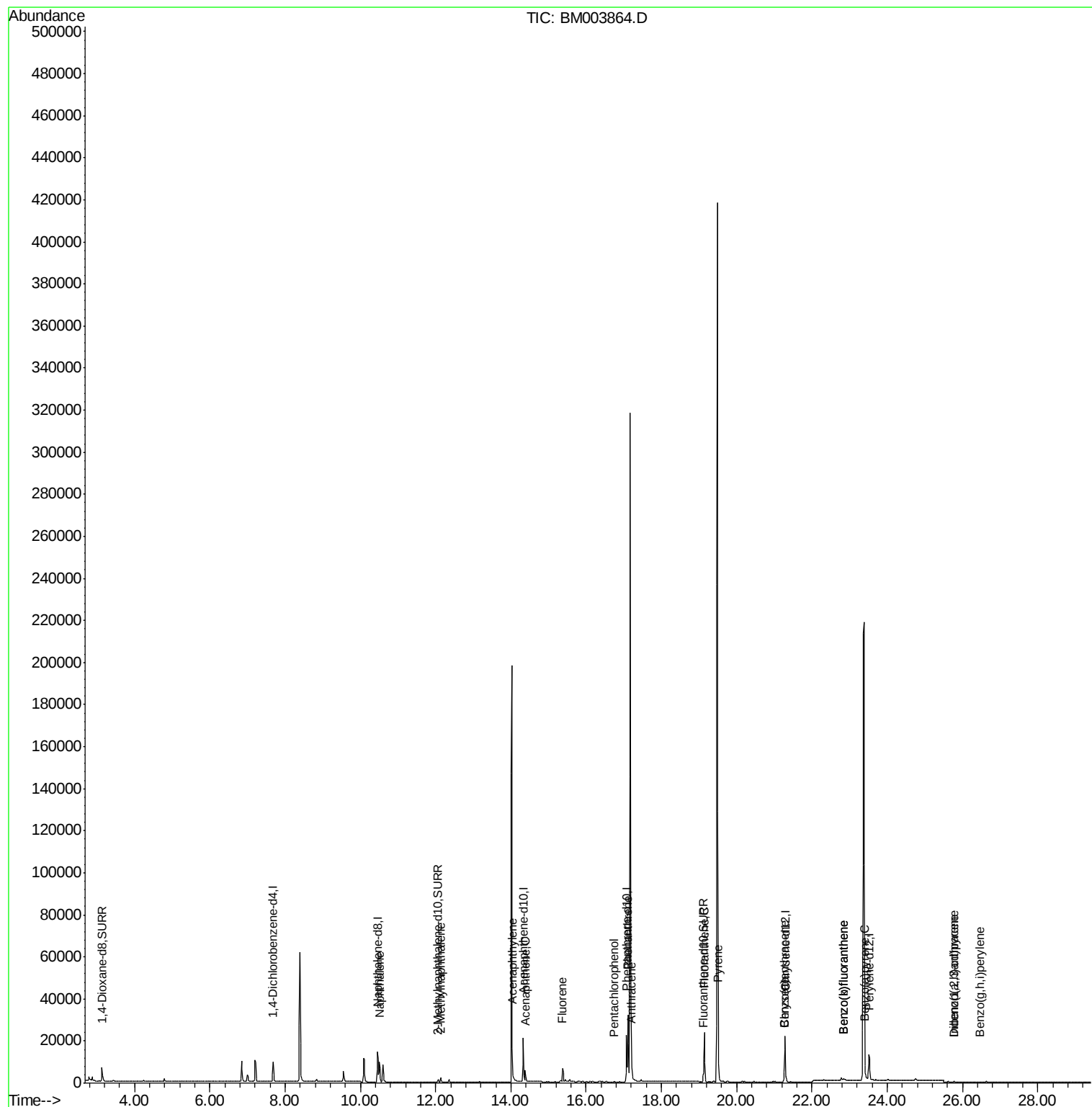
Target Compounds				Ovalue		
5) Naphthalene	10.51	128	13197	0.28	ng/ul	98
7) 2-Methylnaphthalene	12.14	142	1981	0.06	ng/ul	99
9) Acenaphthylene	14.04	152	329	0.01	ng/ul#	58
10) Acenaphthene	14.38	153	3220	0.09	ng/ul#	82
11) Fluorene	15.38	166	6106	0.15	ng/ul#	79
13) Pentachlorophenol	16.75	266	32	0.01	ng/ul	93
14) Phenanthrene	17.11	178	40086	0.58	ng/ul#	90
15) Anthracene	17.21	178	3934	0.07	ng/ul#	91
17) Fluoranthene	19.14	202	21989	0.29	ng/ul	98
19) Pyrene	19.51	202	16738	0.29	ng/ul	97
20) Benzo(a)anthracene	21.26	228	2516	0.05	ng/ul#	91
21) Chrysene	21.26	228	2507	0.04	ng/ul	94
23) Benzo(b)fluoranthene	22.85	252	1845	0.03	ng/ul#	33
24) Benzo(k)fluoranthene	22.85	252	1845	0.03	ng/ul#	35
25) Benzo(a)pyrene	23.41	252	505	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.78	276	288	0.00	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.79	278	148	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.46	276	285	0.01	ng/ul#	3

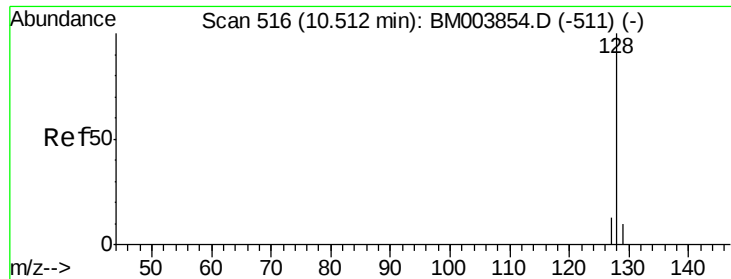
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.28 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

BNA_M

ClientSampleId :

D9N57DL

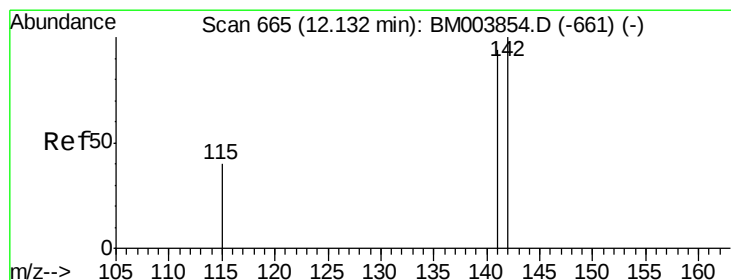
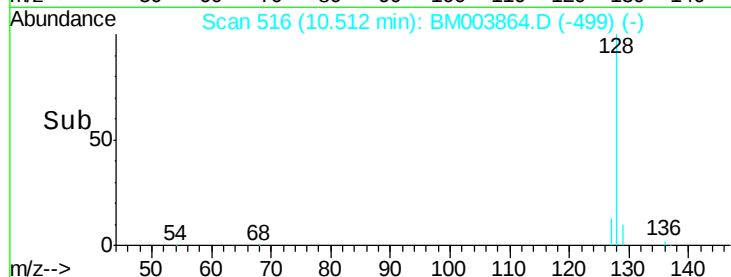
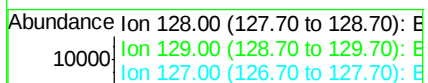
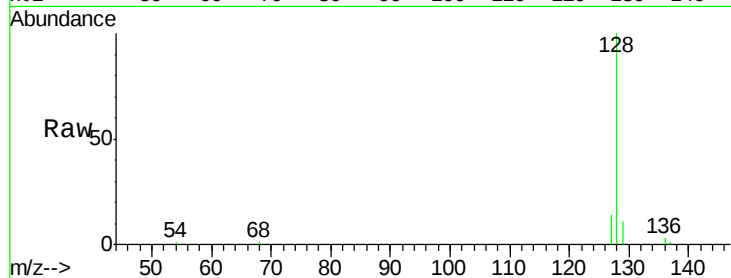
Tot Ion:128 Resp: 13197

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.6 9.6 14.4



#7

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM003864.D

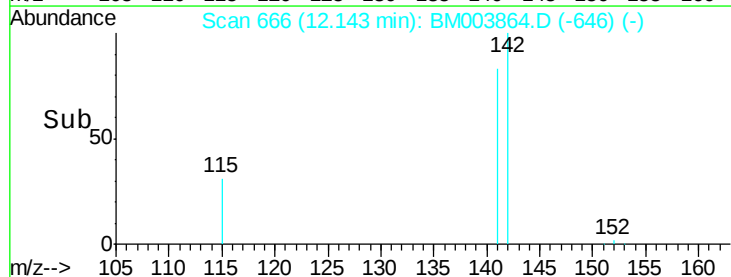
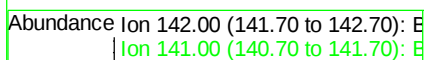
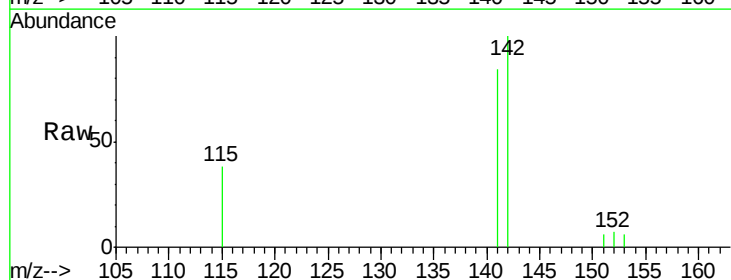
Acq: 30 Dec 2015 00:08

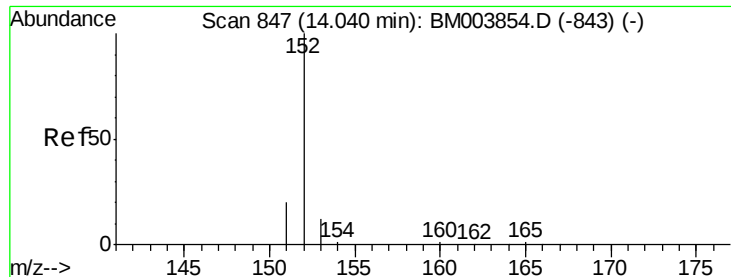
Tgt Ion:142 Resp: 1981

Ion Ratio Lower Upper

142 100

141 88.7 70.3 105.5





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

BNA_M

ClientSampleId :

D9N57DL

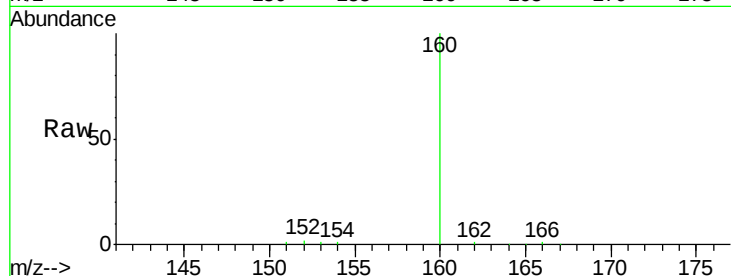
Tot Ion:152 Resp: 329

Ion Ratio Lower Upper

152 100

151 37.8 17.6 26.4#

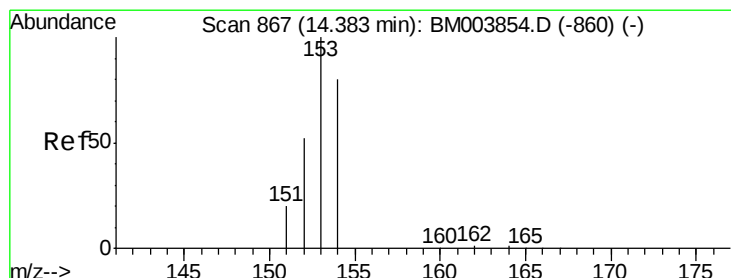
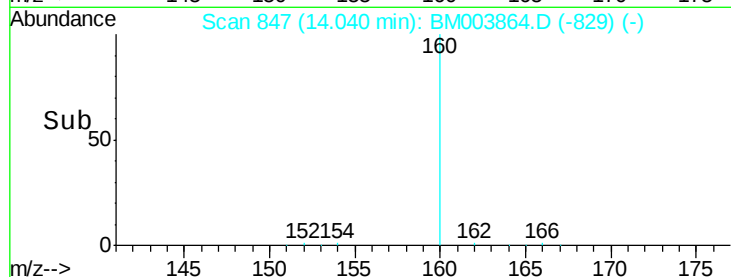
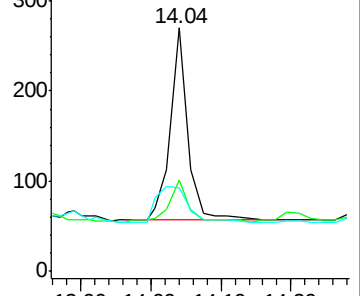
153 34.4 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

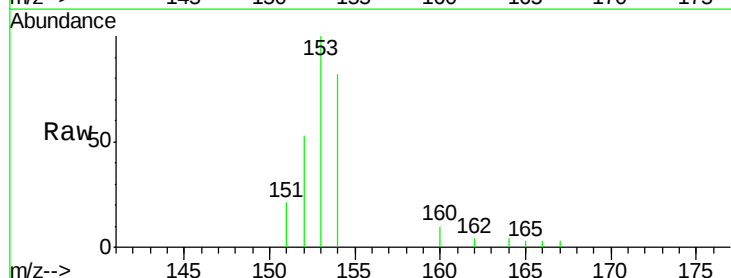
Tgt Ion:153 Resp: 3220

Ion Ratio Lower Upper

153 100

152 52.5 33.9 50.9#

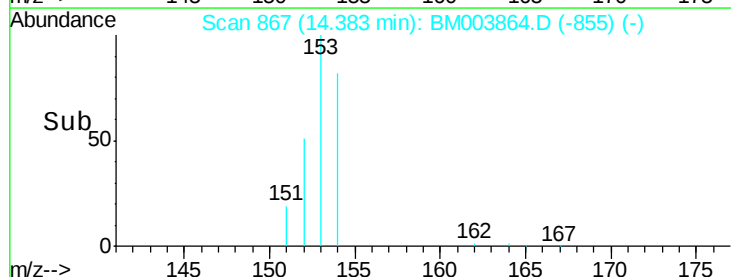
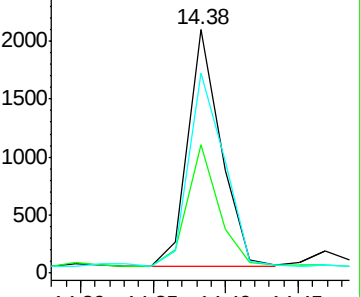
154 82.3 80.6 121.0

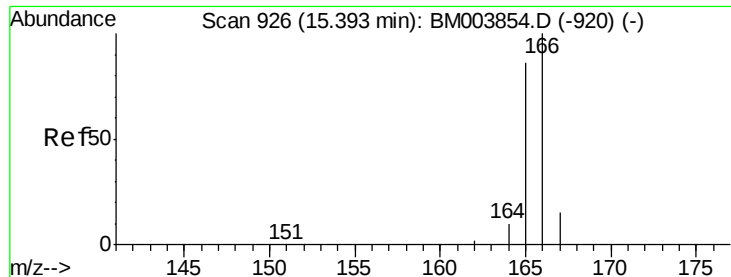


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

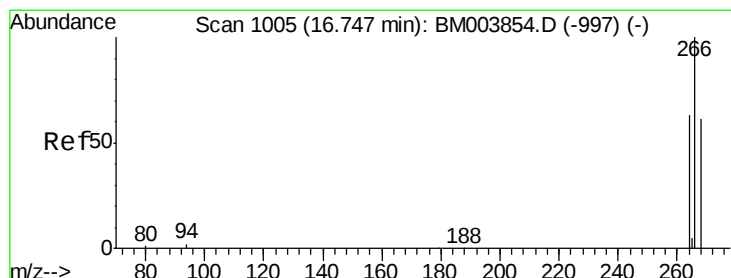
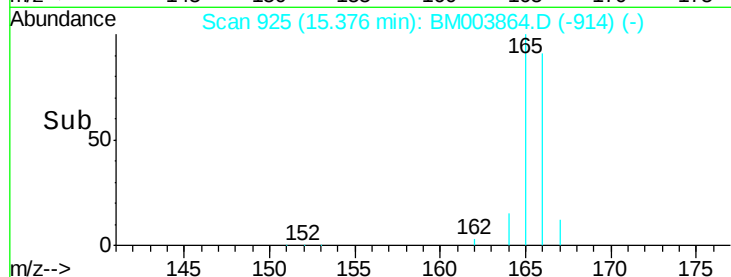
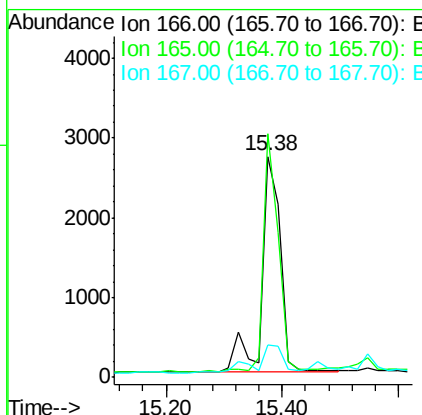
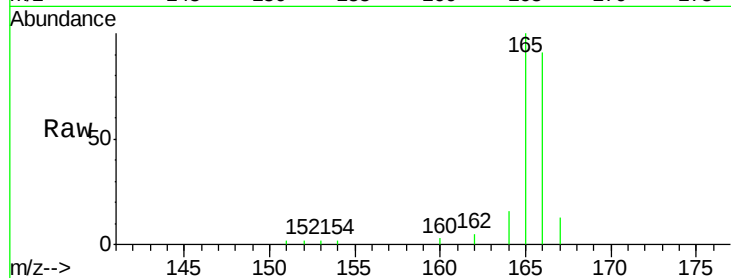




#11
Fluorene
 Concen: 0.15 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM003864.D
 Acq: 30 Dec 2015 00:08

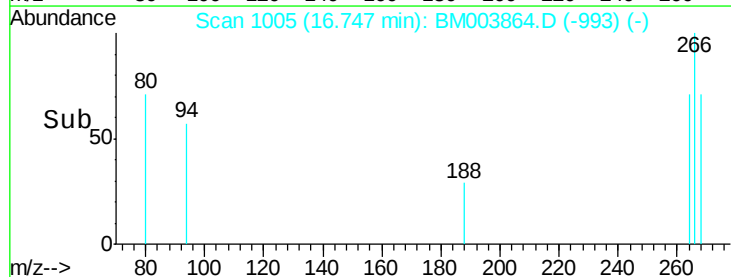
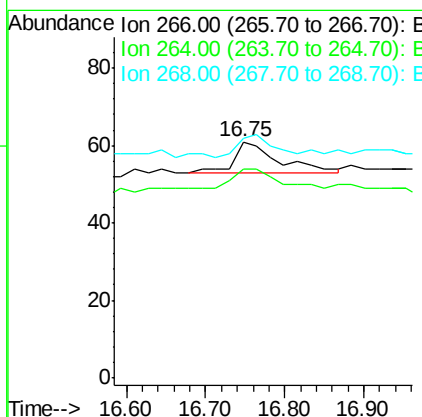
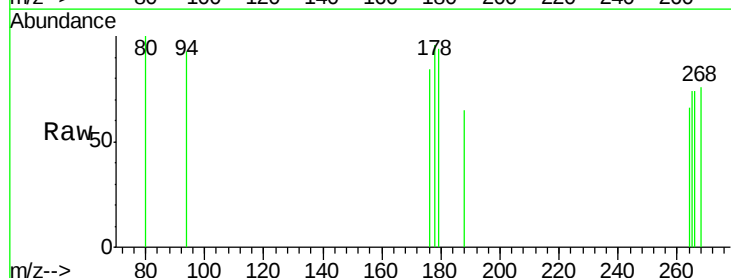
Instrument :
 BNA_M
 ClientSampleId :
 D9N57DL

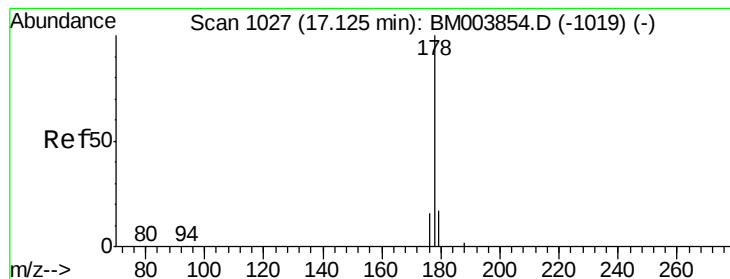
Tot Ion:166 Resp: 6106
 Ion Ratio Lower Upper
 166 100
 165 110.1 69.6 104.4#
 167 14.8 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM003864.D
 Acq: 30 Dec 2015 00:08

Tgt Ion:266 Resp: 32
 Ion Ratio Lower Upper
 266 100
 264 75.0 51.8 77.8
 268 59.4 46.8 70.2





#14

Phenanthrene

Concen: 0.58 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

BNA_M

ClientSampleId :

D9N57DL

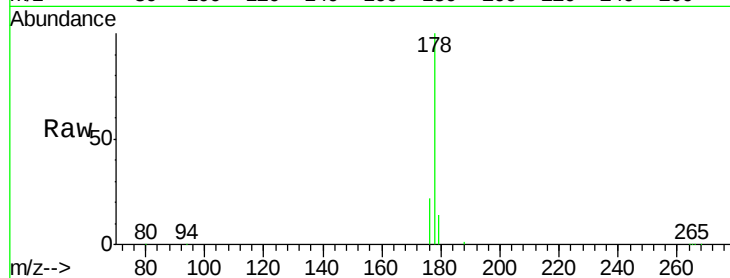
Tot Ion:178 Resp: 40086

Ion Ratio Lower Upper

178 100

176 21.5 13.0 19.4#

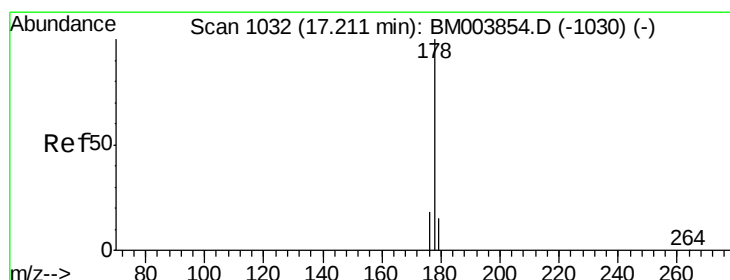
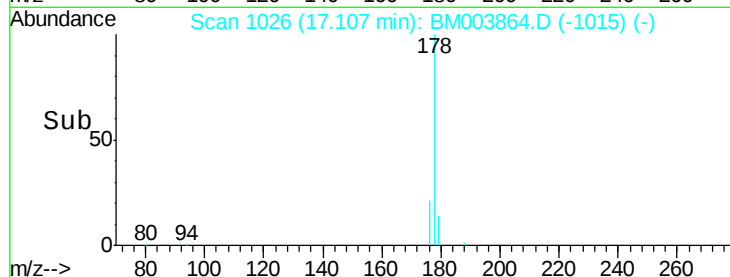
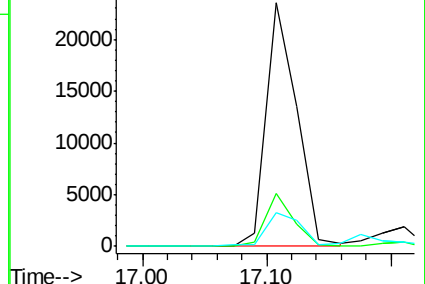
179 14.0 14.2 21.2#



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: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

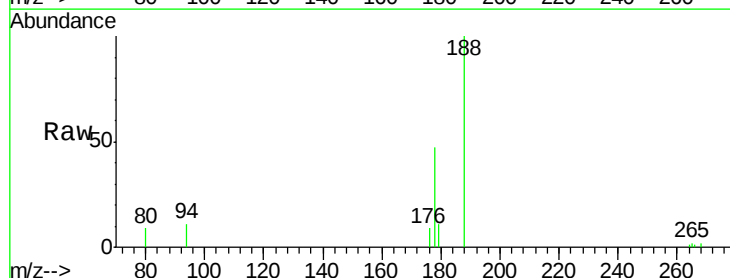
Tgt Ion:178 Resp: 3934

Ion Ratio Lower Upper

178 100

176 19.1 14.0 21.0

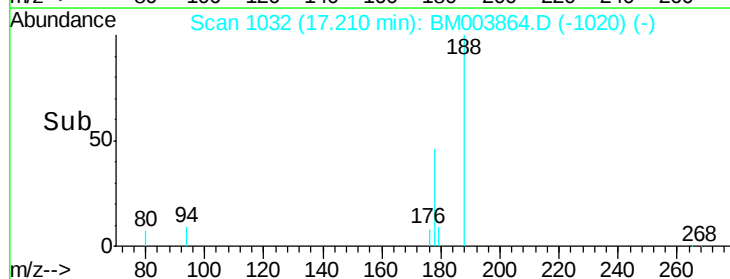
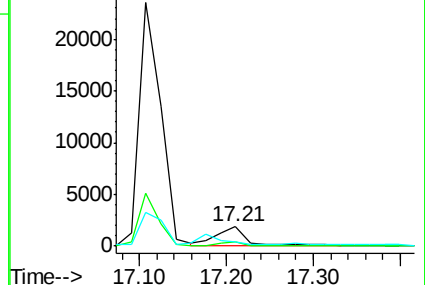
179 22.5 12.9 19.3#

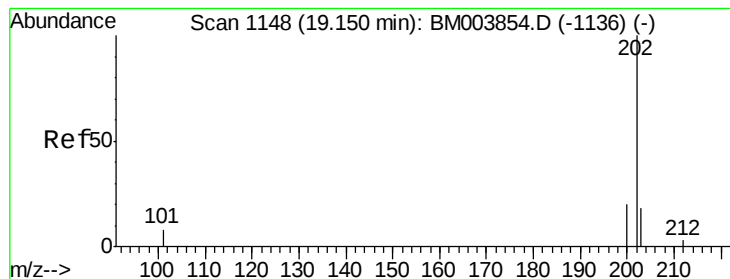


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.29 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

BNA_M

ClientSampleId :

D9N57DL

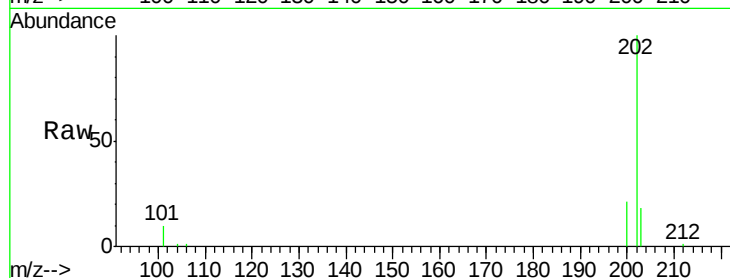
Tot Ion:202 Resp: 21989

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.6

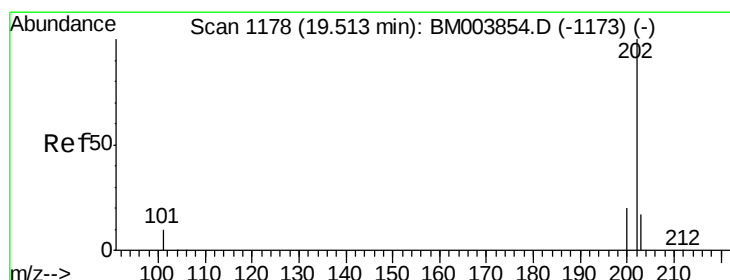
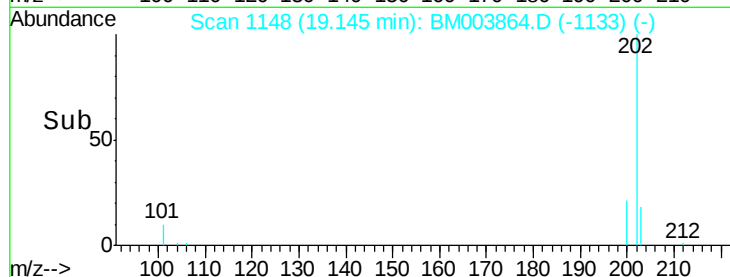
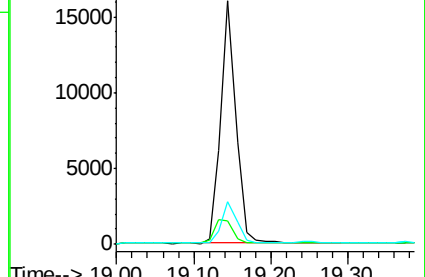
203 17.6 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.29 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

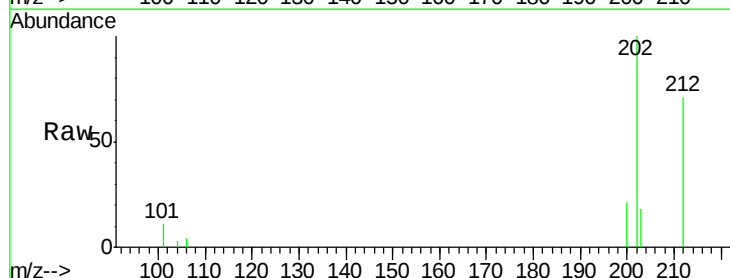
Tgt Ion:202 Resp: 16738

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.8

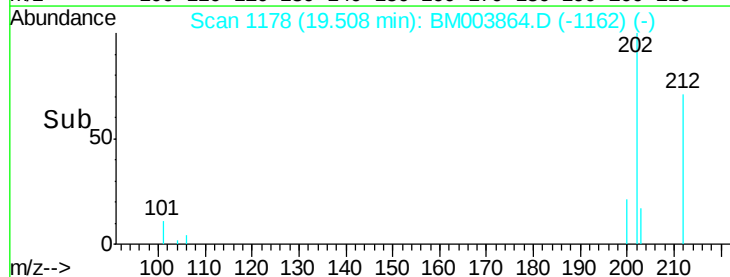
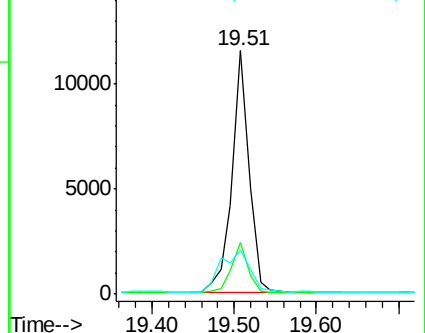
203 18.0 12.8 19.2

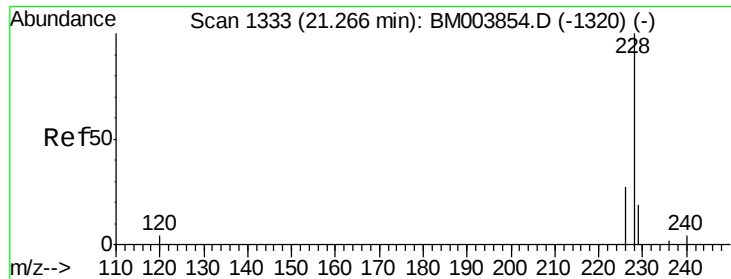


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

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ClientSampleId :

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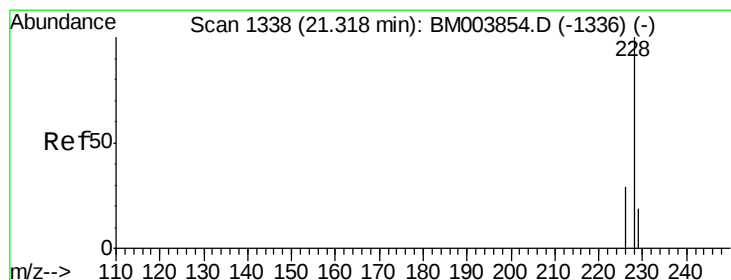
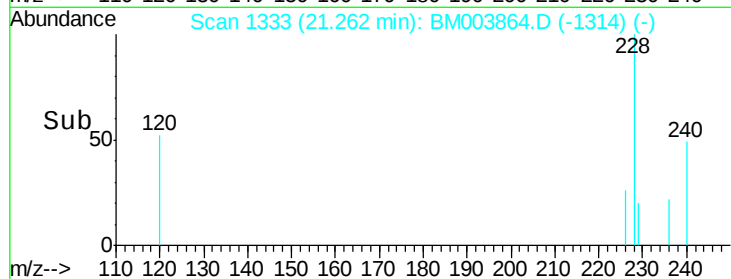
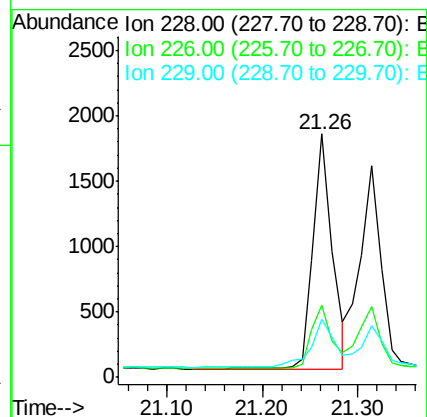
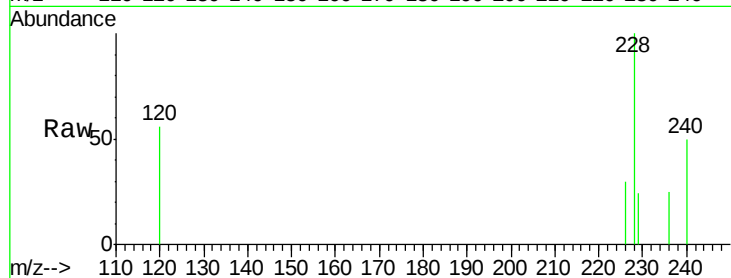
Tot Ion:228 Resp: 2516

Ion Ratio Lower Upper

228 100

226 29.6 18.8 28.2#

229 23.6 17.1 25.7



#21

Chrysene

Concen: 0.04 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

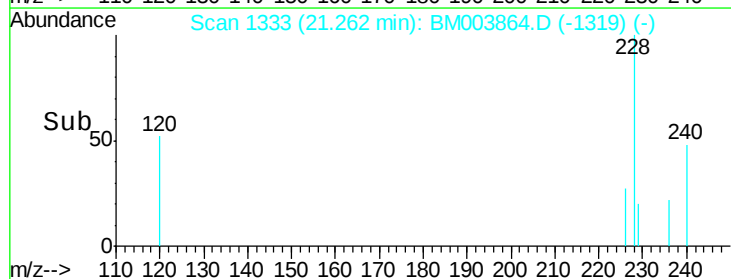
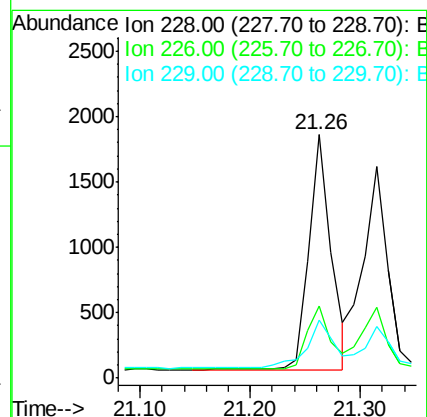
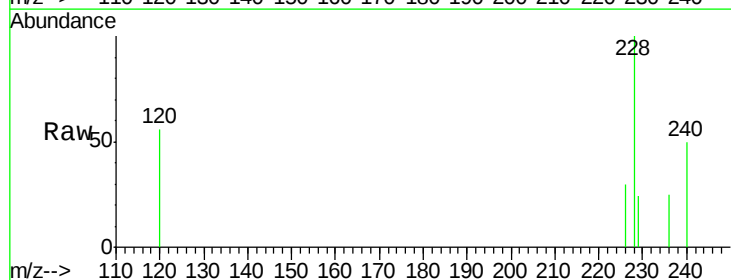
Tgt Ion:228 Resp: 2507

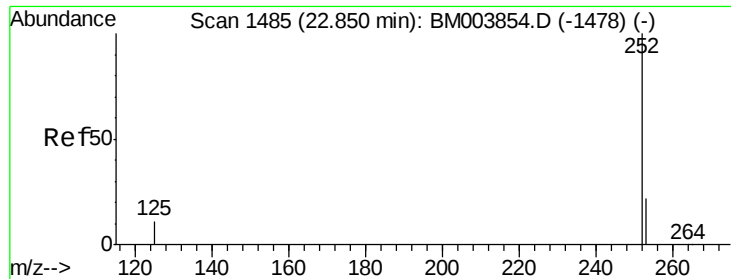
Ion Ratio Lower Upper

228 100

226 29.6 21.2 31.8

229 23.6 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

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ClientSampleId :

D9N57DL

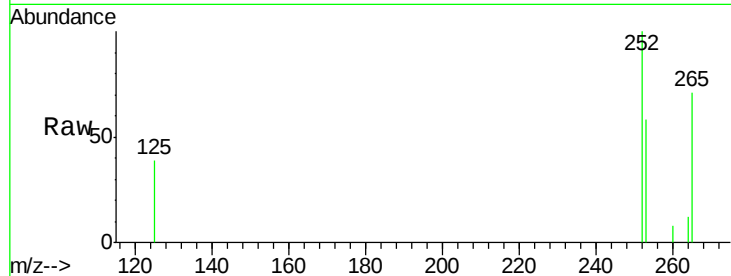
Tot Ion:252 Resp: 1845

Ion Ratio Lower Upper

252 100

253 57.7 0.0 45.4#

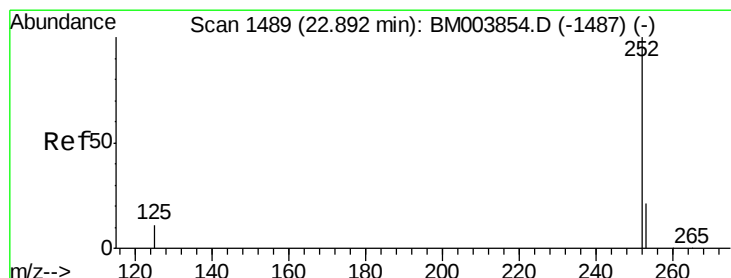
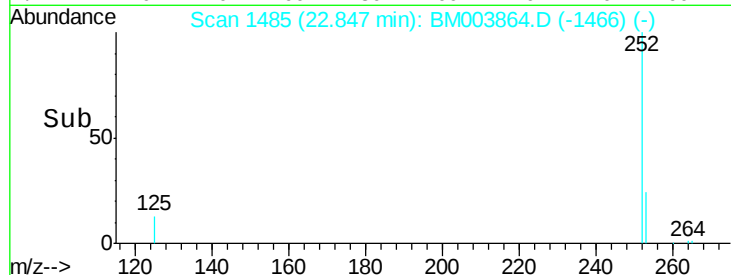
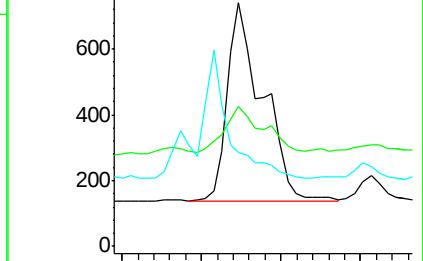
125 38.5 0.0 28.8#



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: BM003864.D

Acq: 30 Dec 2015 00:08

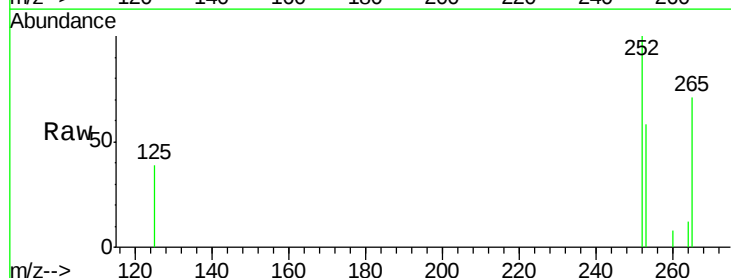
Tgt Ion:252 Resp: 1845

Ion Ratio Lower Upper

252 100

253 57.7 19.8 29.8#

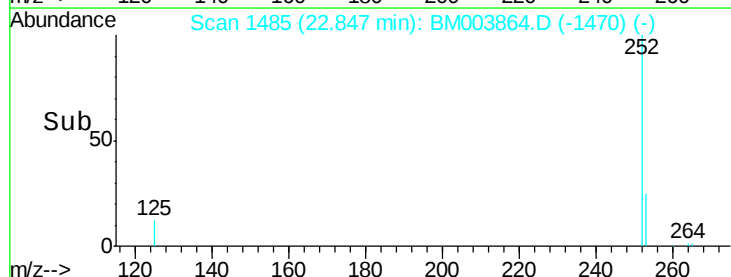
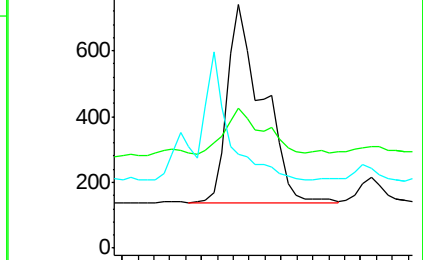
125 38.5 10.4 15.6#

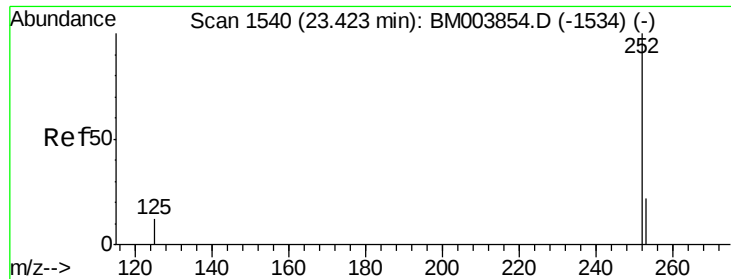


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM003864.D

Acq: 30 Dec 2015 00:08

Instrument :

BNA_M

ClientSampleId :

D9N57DL

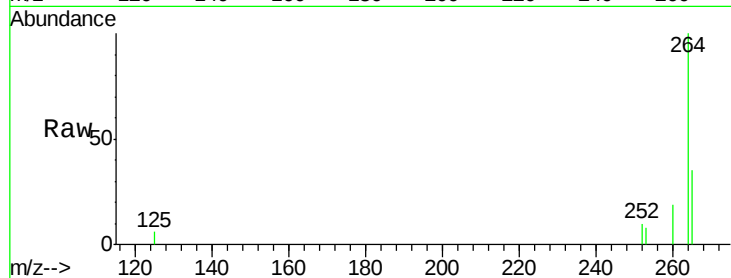
Tot Ion:252 Resp: 505

Ion Ratio Lower Upper

252 100

253 78.6 19.4 29.2#

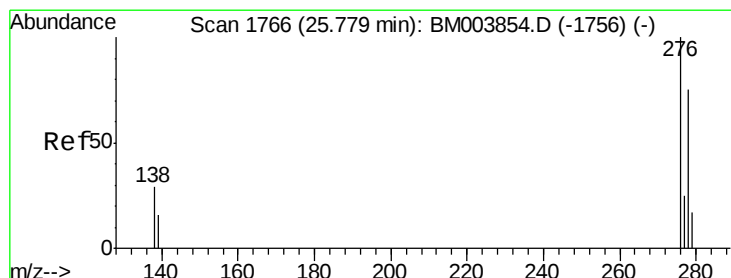
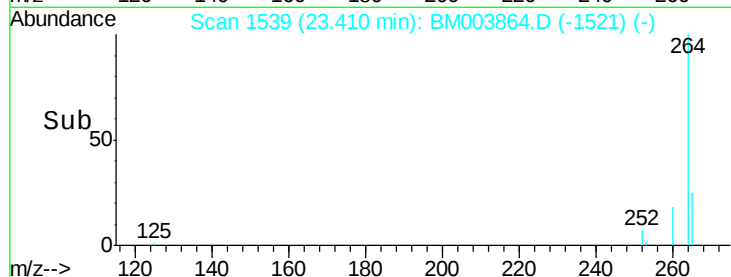
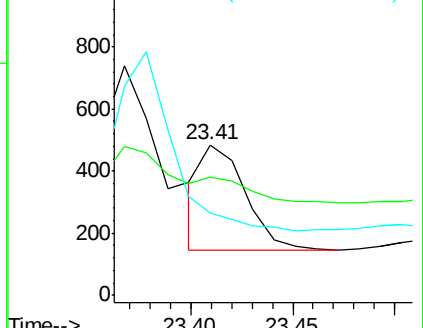
125 54.2 12.7 19.1#



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: BM003864.D

Acq: 30 Dec 2015 00:08

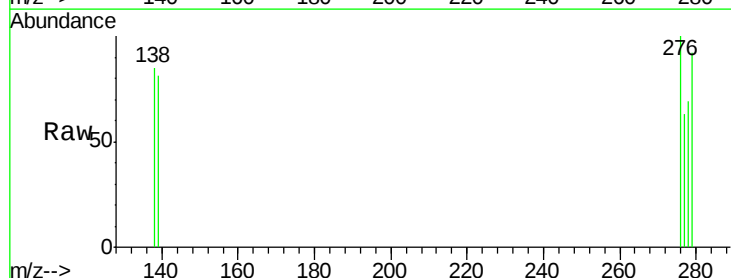
Tgt Ion:276 Resp: 288

Ion Ratio Lower Upper

276 100

138 29.2 16.3 24.5#

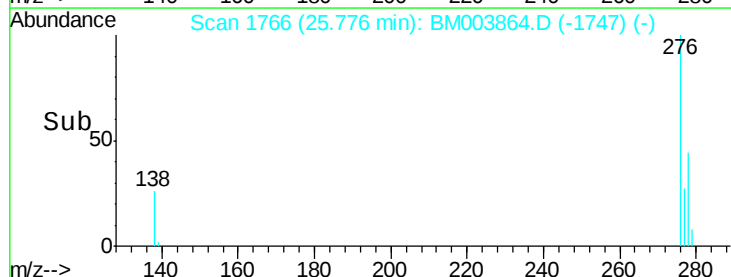
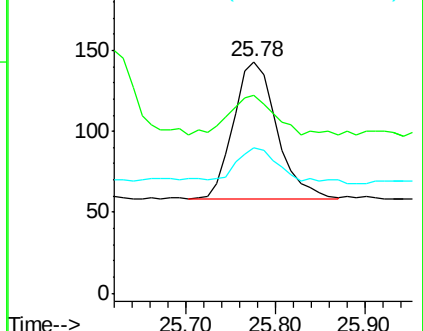
277 25.7 19.8 29.8

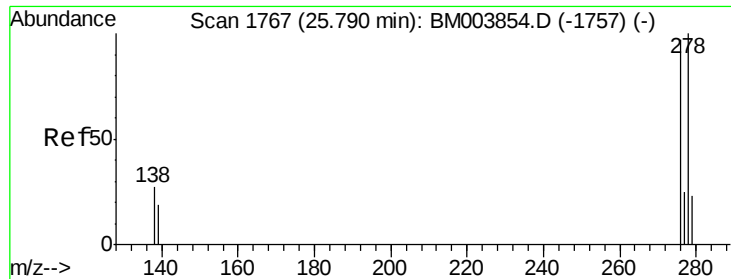


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

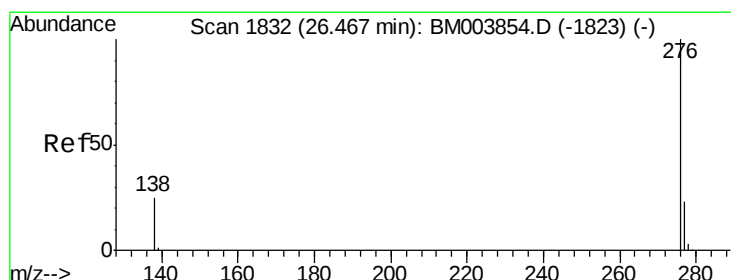
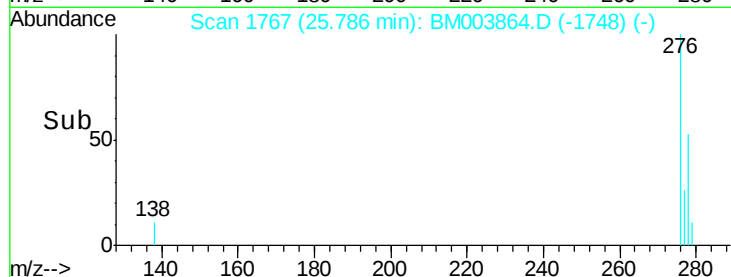
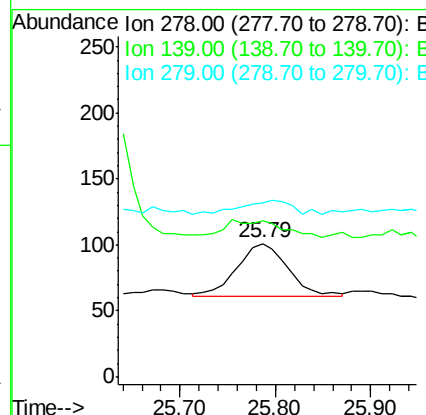
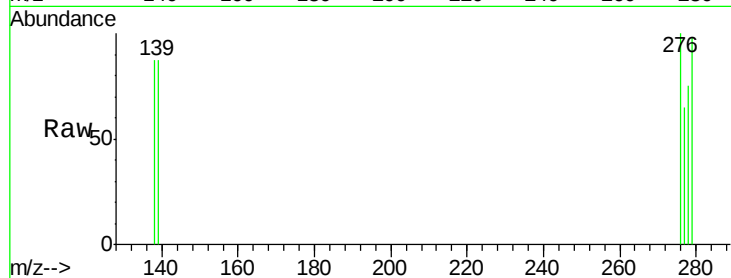




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BM003864.D
Acq: 30 Dec 2015 00:08

Instrument :
BNA_M
ClientSampleId :
D9N57DL

Tot Ion:278 Resp: 148
Ion Ratio Lower Upper
278 100
139 116.8 16.4 24.6#
279 130.7 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.46 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BM003864.D
Acq: 30 Dec 2015 00:08

Tgt Ion:276 Resp: 285
Ion Ratio Lower Upper
276 100
277 63.4 18.9 28.3#
138 85.8 22.5 33.7#

