

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003837.D
 Acq On : 28 Dec 2015 20:22
 Operator : SJ/UM
 Sample : G4734-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4KZ5

Quant Time: Dec 29 07:13:48 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

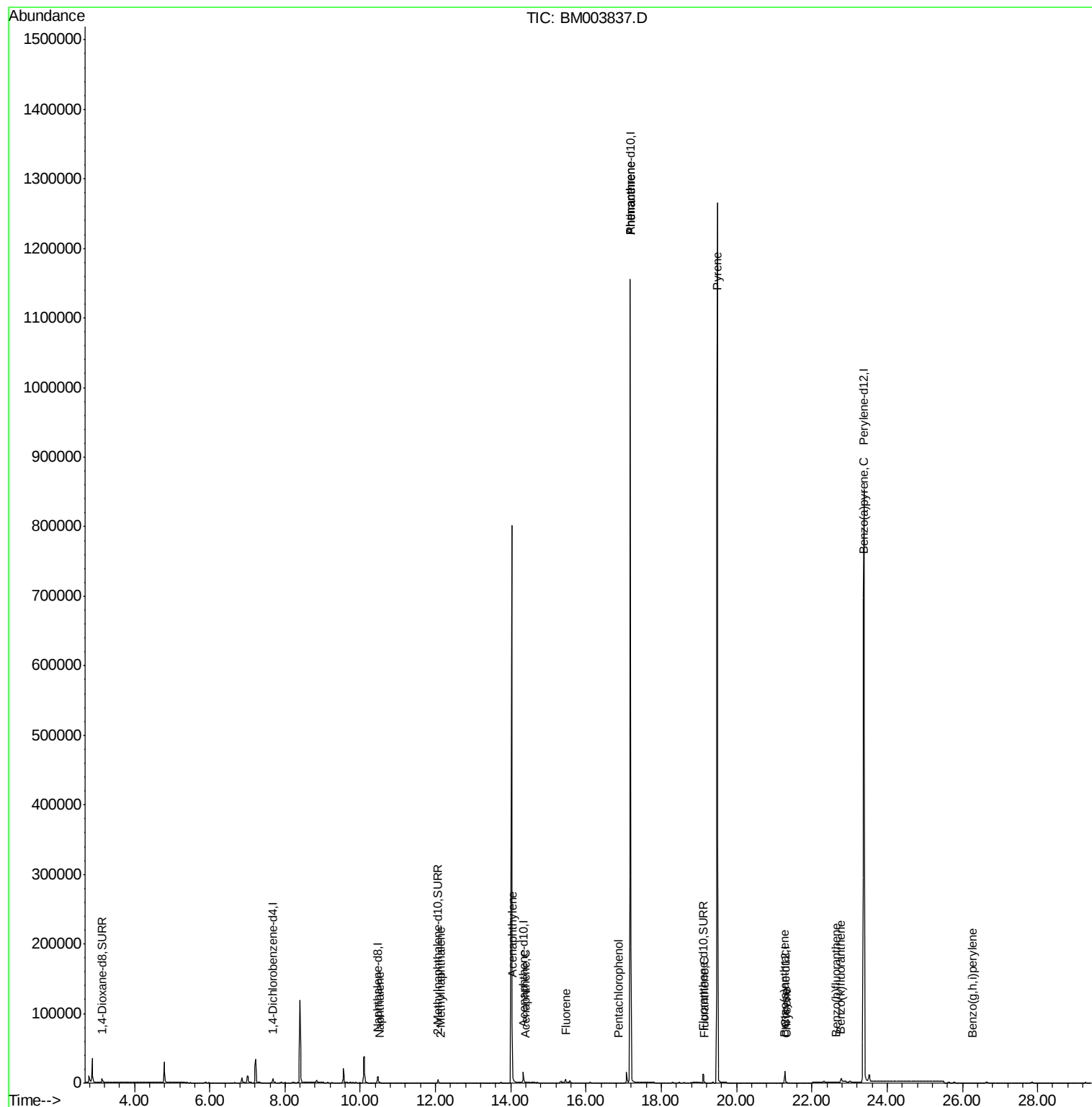
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3213	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	14245	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	8605	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1364905	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	16932	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1097050	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	4418	3.22	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	6752	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.13	212	17428	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.51	128	670	0.02	ng/ul#	63
7) 2-Methylnaphthalene	12.14	142	220	0.01	ng/ul	100
9) Acenaphthylene	14.04	152	392	0.01	ng/ul#	50
10) Acenaphthene	14.38	153	267	0.01	ng/ul#	79
11) Fluorene	15.46	166	102	0.00	ng/ul#	1
13) Pentachlorophenol	16.87	266	7	0.00	ng/ul#	58
14) Phenanthrene	17.18	178	1078	0.00	ng/ul#	1
15) Anthracene	17.18	178	1063	0.00	ng/ul#	1
17) Fluoranthene	19.15	202	687	0.00	ng/ul	70
19) Pyrene	19.49	202	2994	0.07	ng/ul#	1
20) Benzo(a)anthracene	21.27	228	326	0.01	ng/ul#	32
21) Chrysene	21.32	228	331	0.01	ng/ul#	50
23) Benzo(b)fluoranthene	22.65	252	13	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	44	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	4459	0.00	ng/ul#	52
28) Benzo(g,h,i)perylene	26.26	276	8	0.00	ng/ul#	1

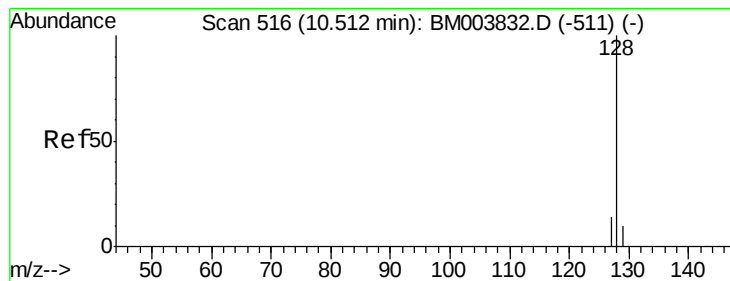
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

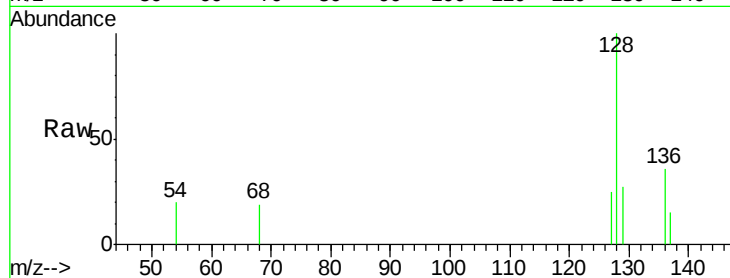
Tgt Ion:128 Resp: 670

Ion Ratio Lower Upper

128 100

129 27.4 9.0 13.6#

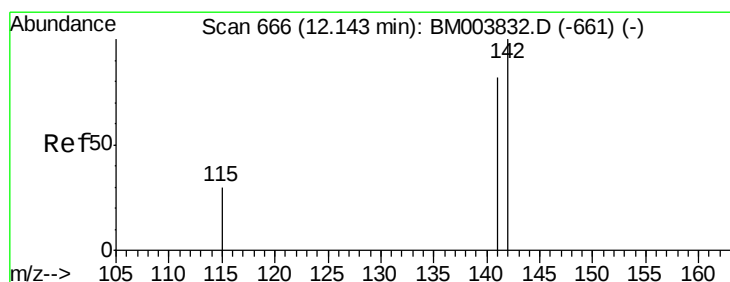
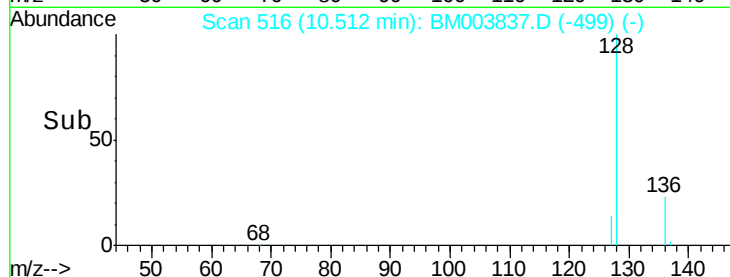
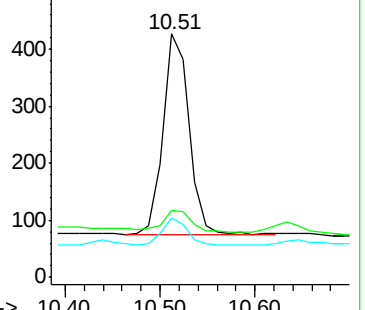
127 24.6 9.6 14.4#



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: 0.01 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM003837.D

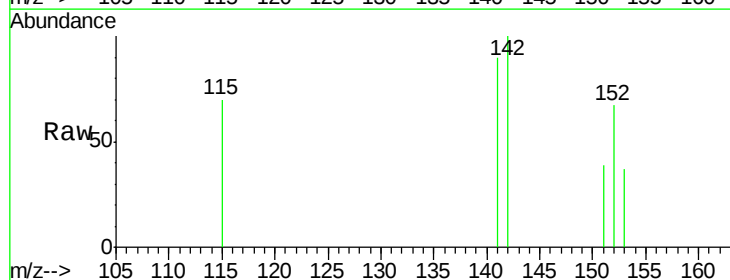
Acq: 28 Dec 2015 20:22

Tgt Ion:142 Resp: 220

Ion Ratio Lower Upper

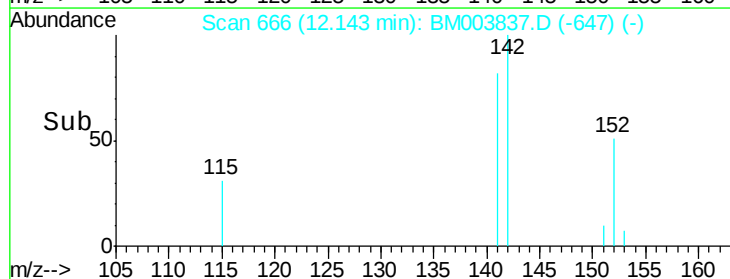
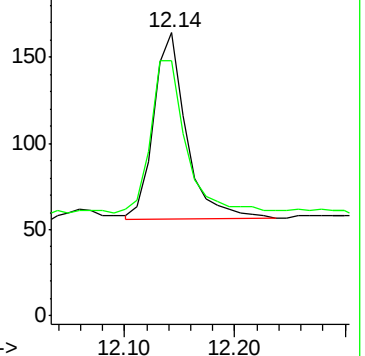
142 100

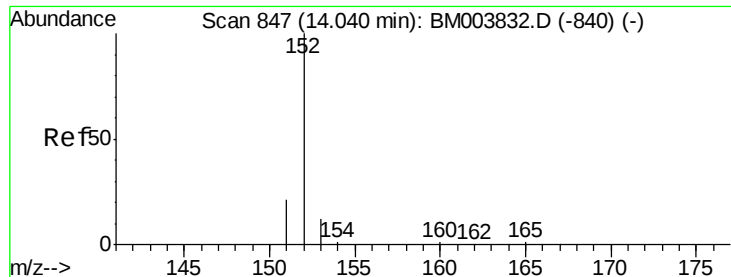
141 88.2 70.3 105.5



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: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

Tgt Ion:152 Resp: 392

Ion Ratio Lower Upper

152 100

151 40.3 17.6 26.4#

153 39.5 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

300

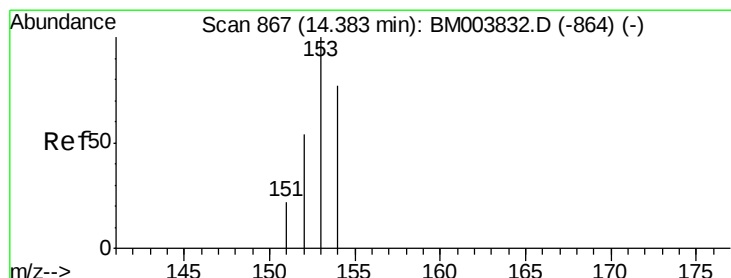
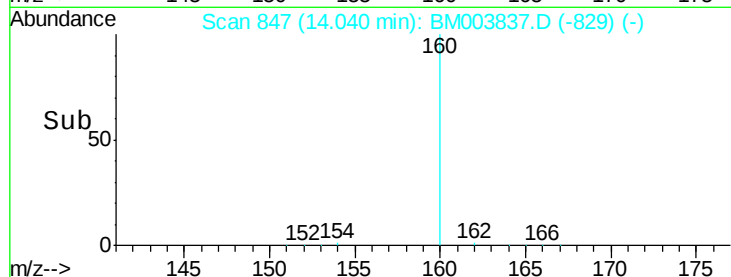
200

100

0

Time-->

14.00 14.20



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

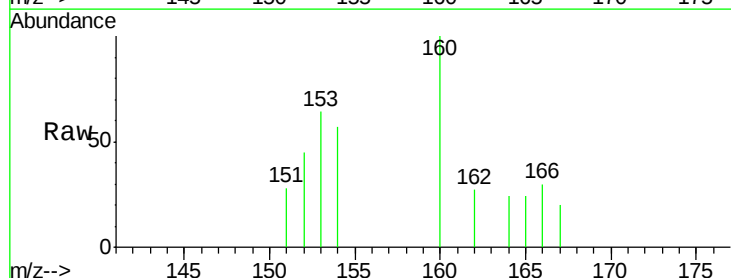
Tgt Ion:153 Resp: 267

Ion Ratio Lower Upper

153 100

152 69.7 33.9 50.9#

154 88.7 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

250

200

150

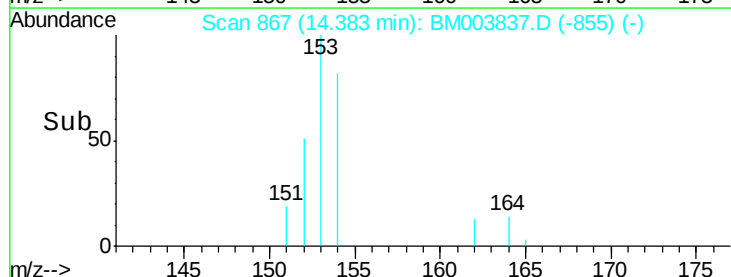
100

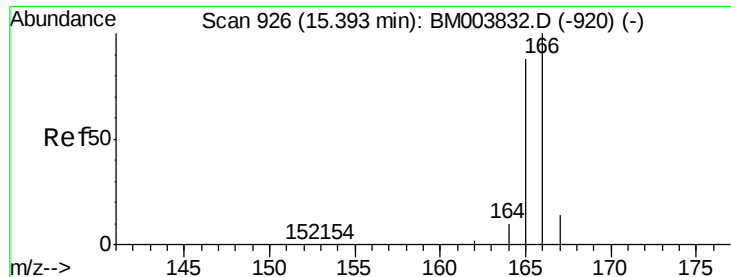
50

0

Time-->

14.20 14.30 14.40 14.50





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. 0.07 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

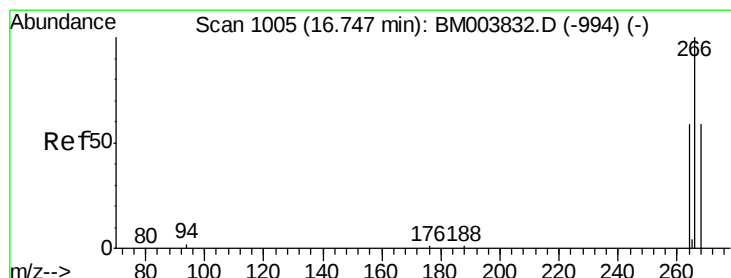
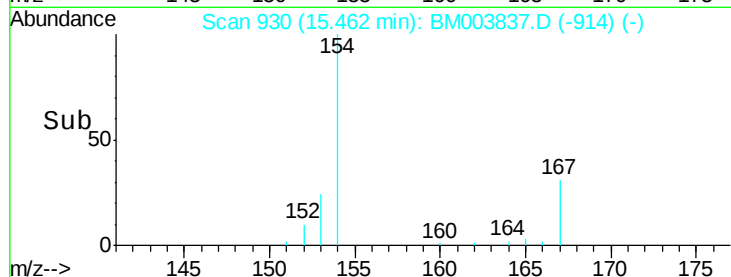
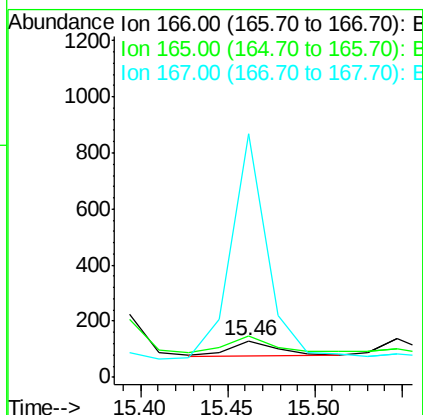
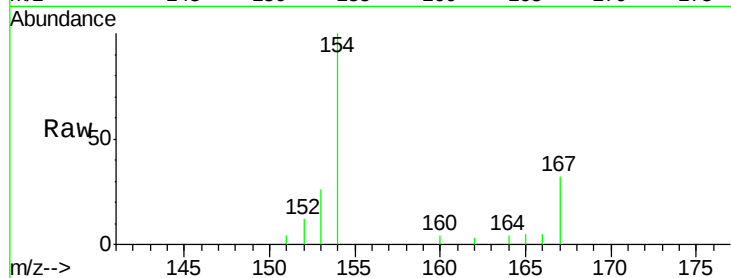
Tgt Ion:166 Resp: 102

Ion Ratio Lower Upper

166 100

165 112.2 69.6 104.4#

167 662.6 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.12 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

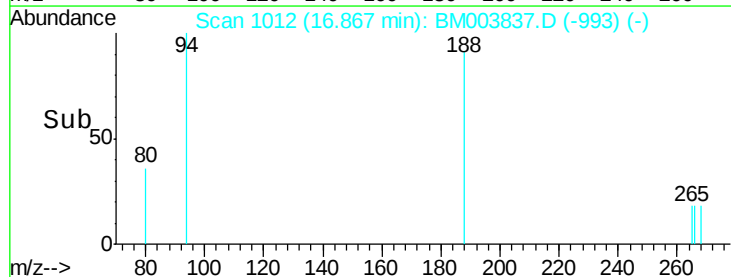
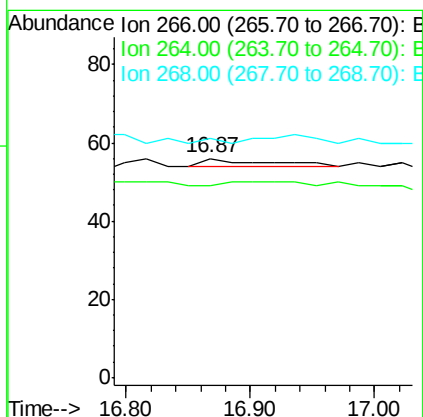
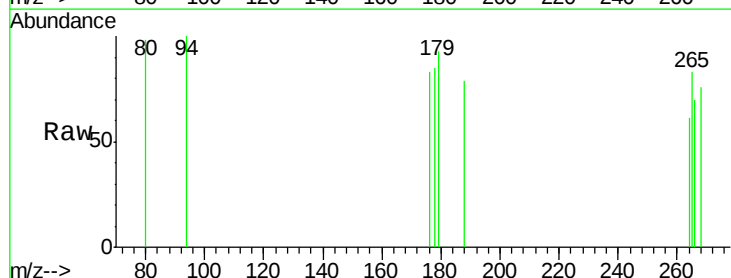
Tgt Ion:266 Resp: 7

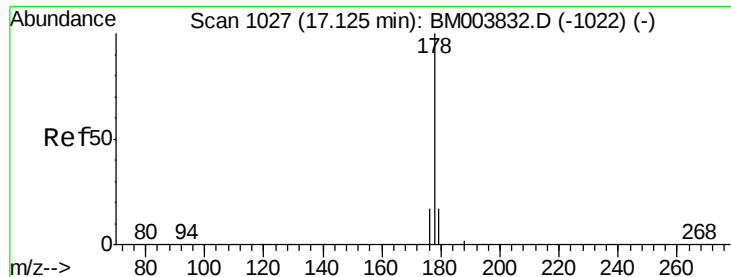
Ion Ratio Lower Upper

266 100

264 71.4 51.8 77.8

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

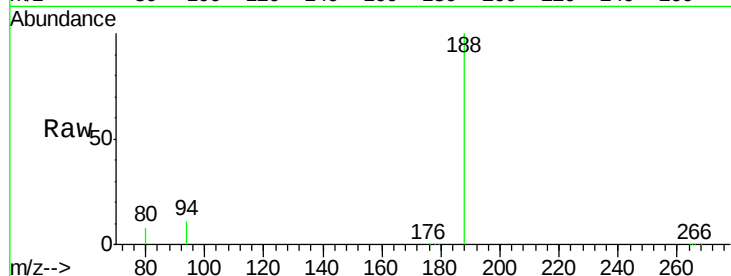
Tgt Ion:178 Resp: 1078

Ion Ratio Lower Upper

178 100

176 16.4 13.0 19.4

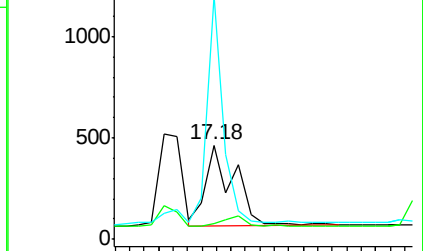
179 258.6 14.2 21.2#



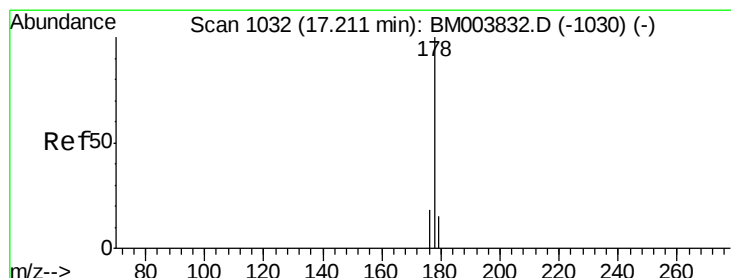
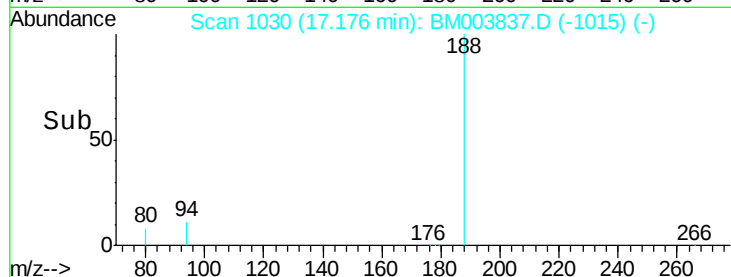
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

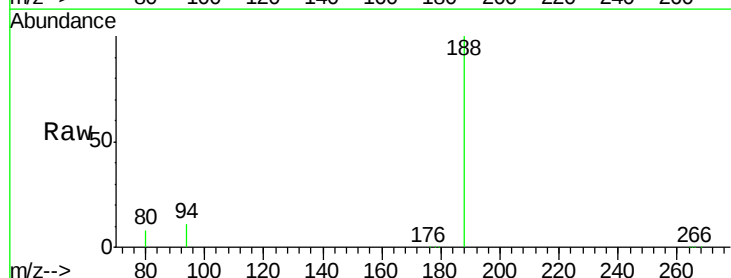
Tgt Ion:178 Resp: 1063

Ion Ratio Lower Upper

178 100

176 16.4 14.0 21.0

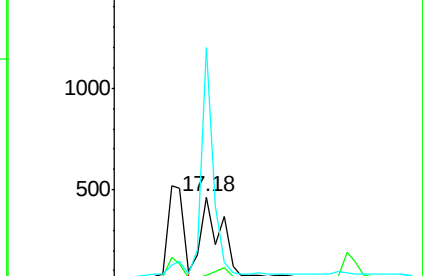
179 258.6 12.9 19.3#



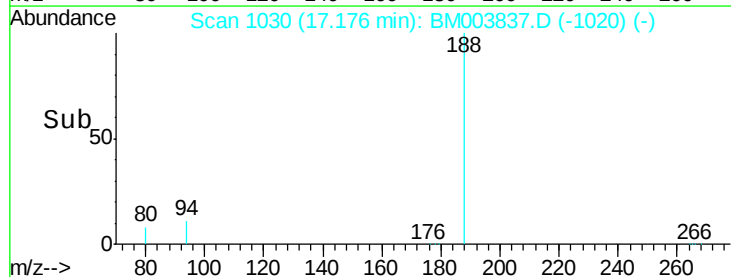
Abundance Ion 178.00 (177.70 to 178.70): E

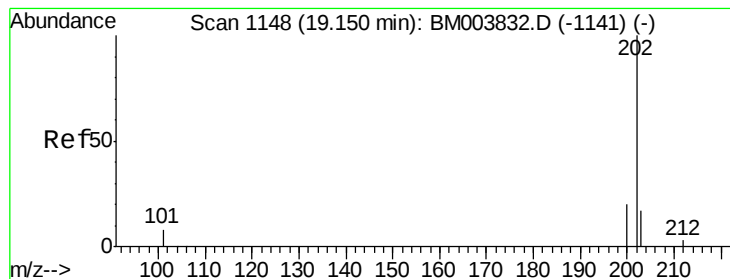
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.15 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

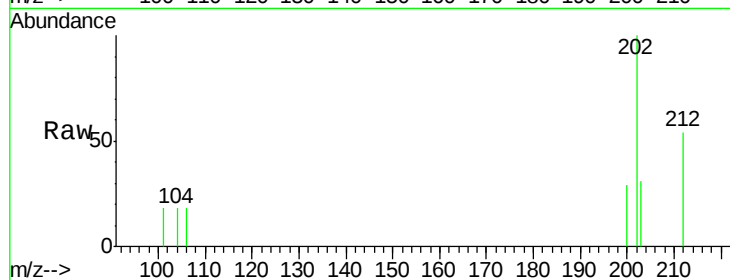
Tgt Ion:202 Resp: 687

Ion Ratio Lower Upper

202 100

101 17.7 0.0 29.6

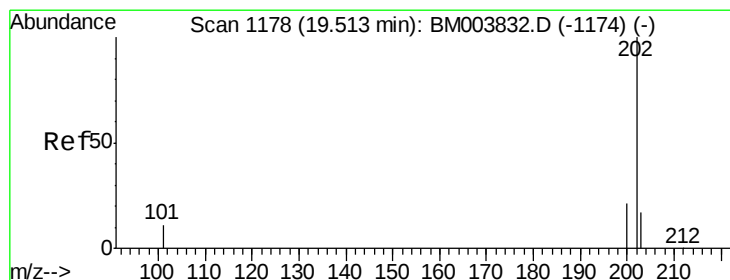
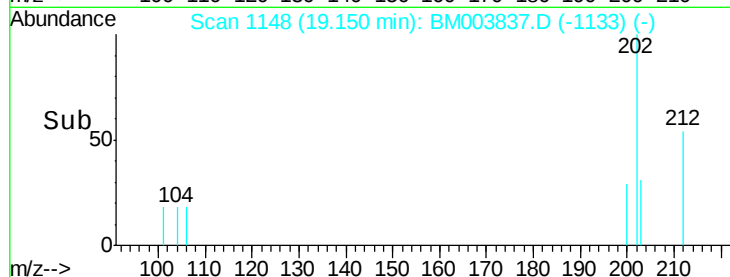
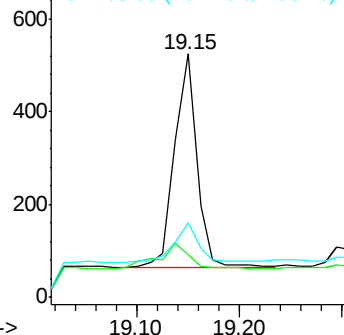
203 30.9 0.0 36.3



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: 0.07 ng/ul

RT: 19.49 min Scan# 1176

Delta R.T. -0.02 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

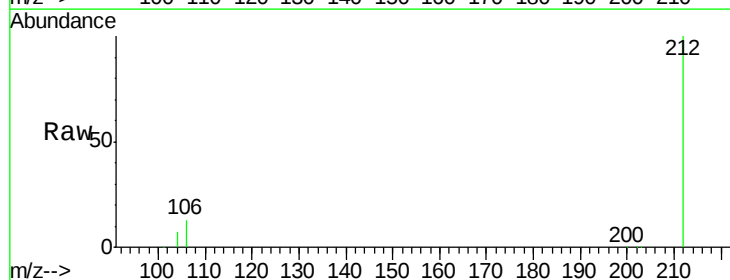
Tgt Ion:202 Resp: 2994

Ion Ratio Lower Upper

202 100

200 6.6 17.8 26.8#

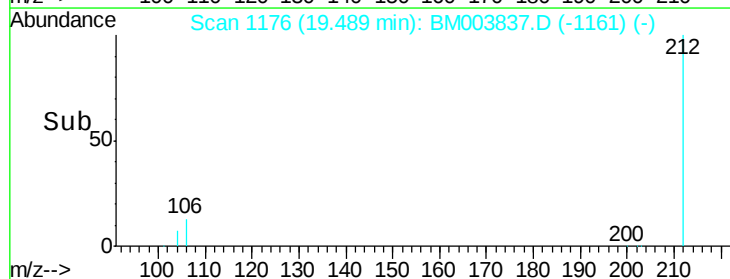
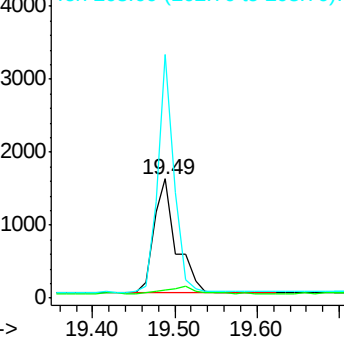
203 204.0 12.8 19.2#

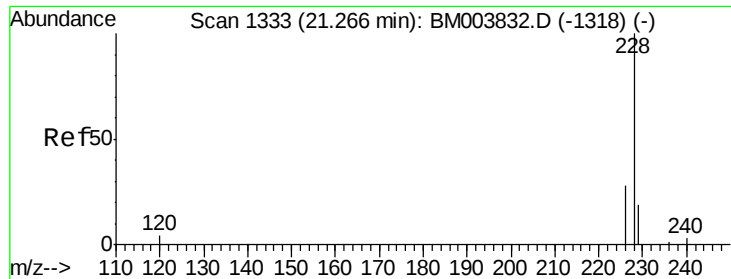


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

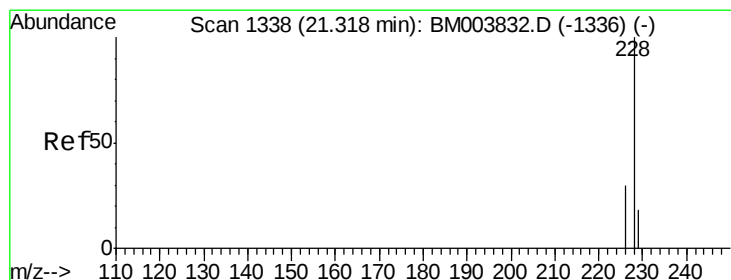
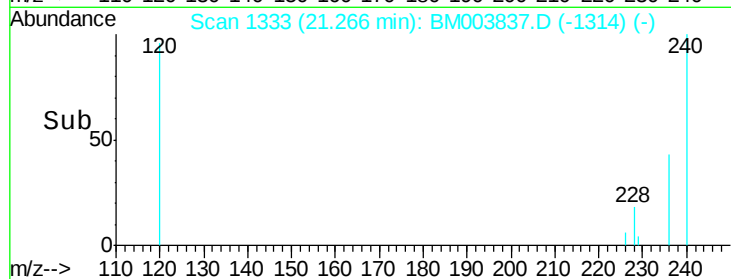
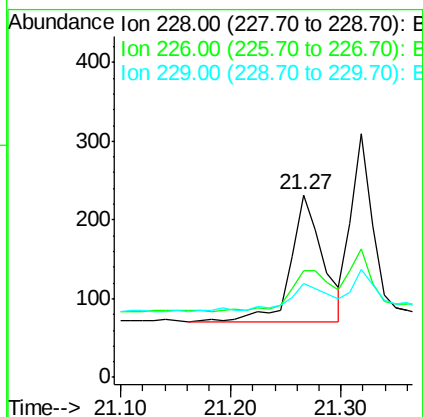
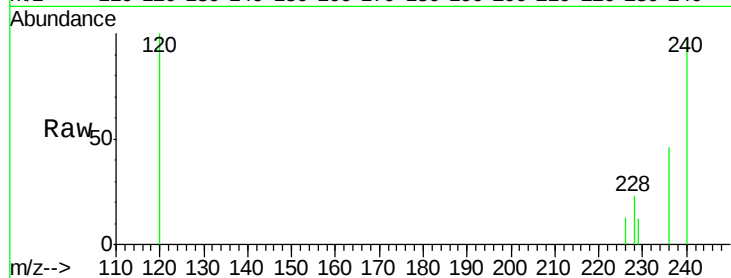
Tgt Ion:228 Resp: 326

Ion Ratio Lower Upper

228 100

226 58.6 18.8 28.2#

229 51.3 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

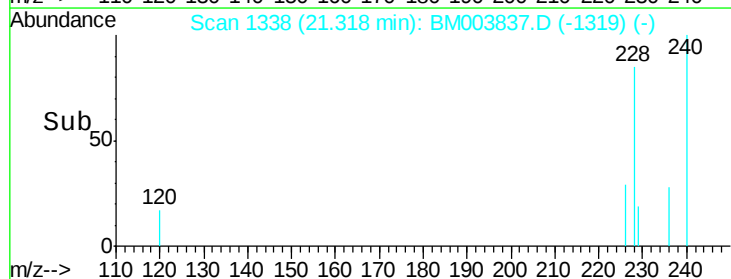
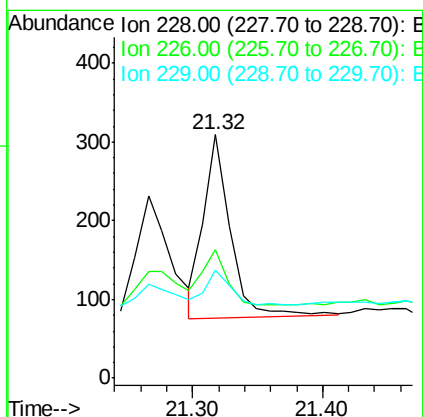
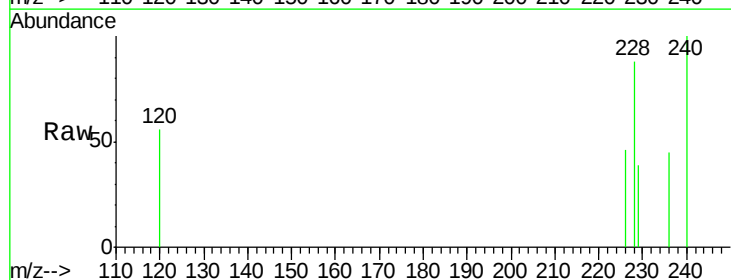
Tgt Ion:228 Resp: 331

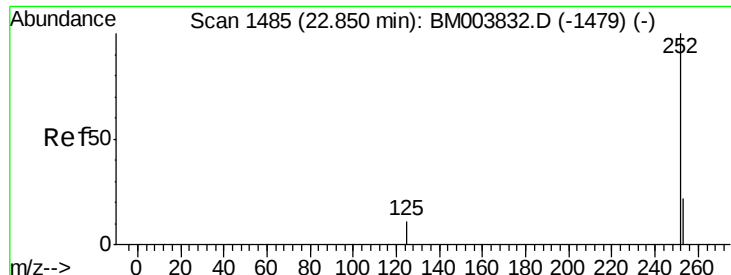
Ion Ratio Lower Upper

228 100

226 52.8 21.2 31.8#

229 44.3 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.65 min Scan# 1466

Delta R.T. -0.20 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

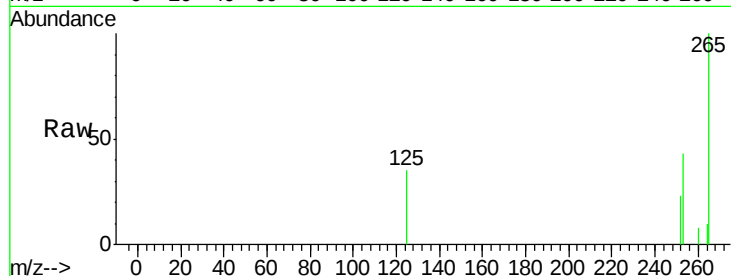
Tgt Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 188.6 0.0 45.4#

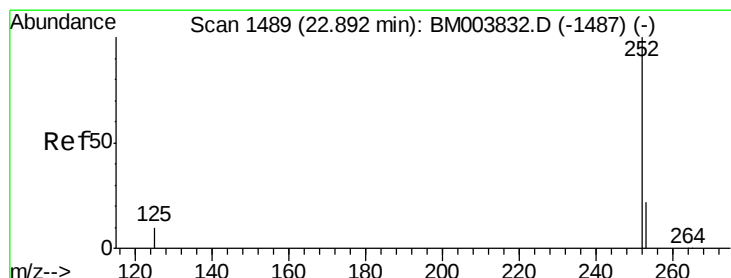
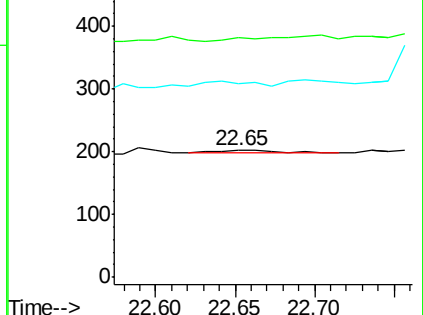
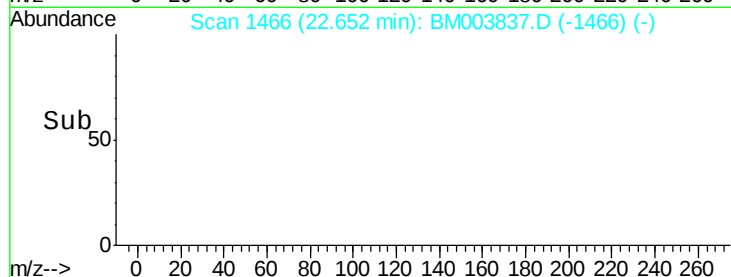
125 152.5 0.0 28.8#



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: 0.00 ng/u1

RT: 22.78 min Scan# 1478

Delta R.T. -0.11 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

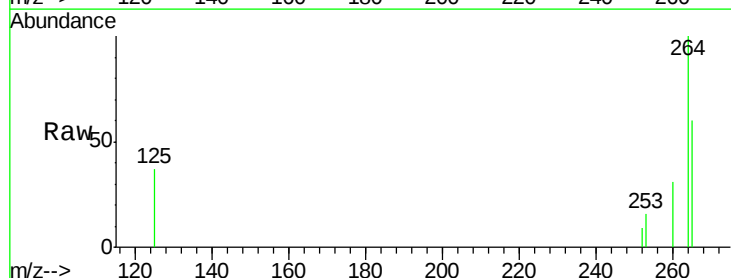
Tgt Ion:252 Resp: 44

Ion Ratio Lower Upper

252 100

253 178.9 19.8 29.8#

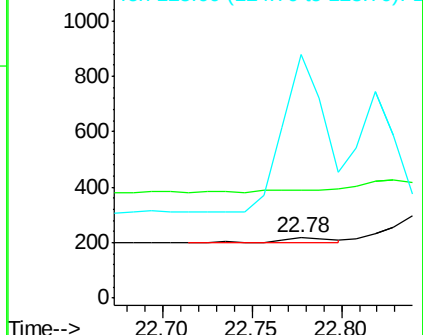
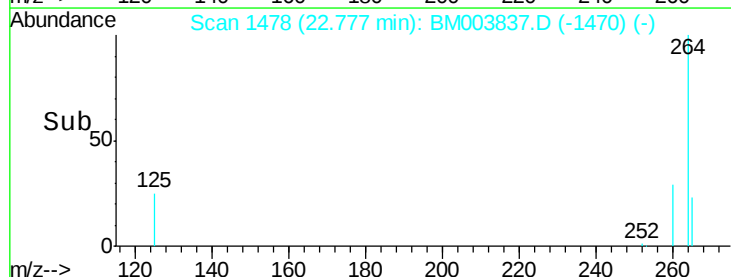
125 402.8 10.4 15.6#

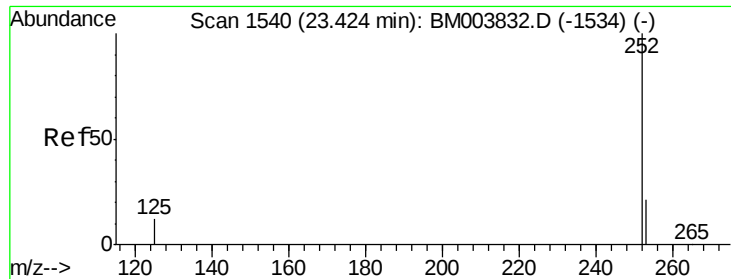


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

Instrument :

BNA_G

ClientSampleId :

A4KZ5

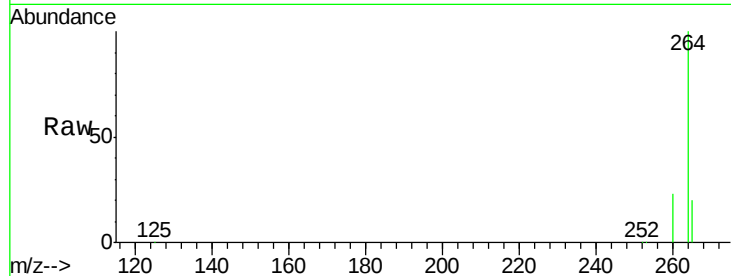
Tgt Ion:252 Resp: 4459

Ion Ratio Lower Upper

252 100

253 39.2 19.4 29.2#

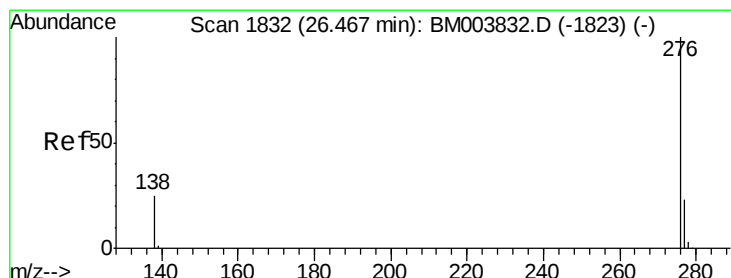
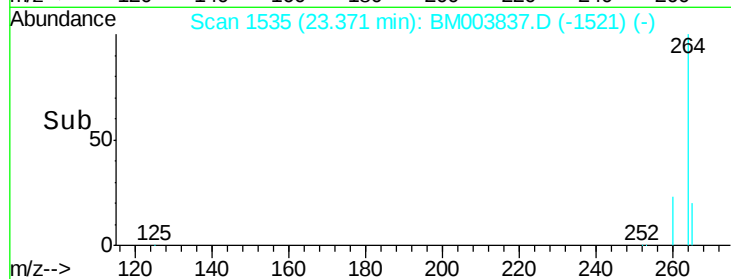
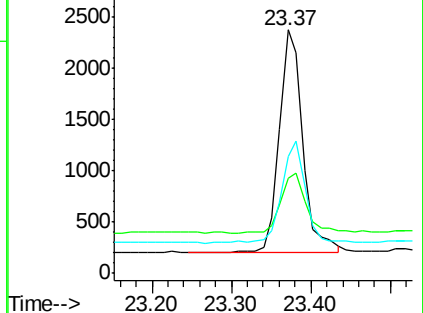
125 47.8 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.26 min Scan# 1812

Delta R.T. -0.21 min

Lab File: BM003837.D

Acq: 28 Dec 2015 20:22

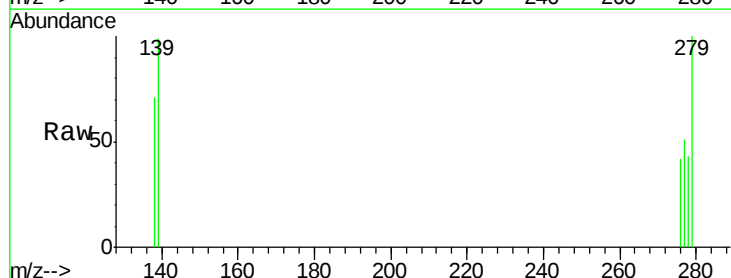
Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

276 100

277 120.5 18.9 28.3#

138 168.5 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

