

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003844.D
 Acq On : 29 Dec 2015 00:33
 Operator : SJ/UM
 Sample : G4848-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N56

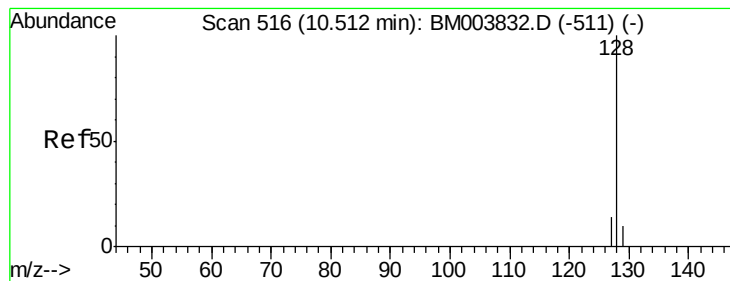
Quant Time: Dec 29 07:16:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3913	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	17329	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10465	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1459066	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	19905	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1123895	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	18447	11.03	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	7586	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.37	212	796	0.00	ng/ul	0.24

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	23235	0.60	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	8696	0.33	ng/ul	99
9) Acenaphthylene	14.04	152	1162	0.03	ng/ul#	82
10) Acenaphthene	14.38	153	15494	0.48	ng/ul#	81
11) Fluorene	15.39	166	19039	0.53	ng/ul	96
13) Pentachlorophenol	16.88	266	7	0.00	ng/ul#	20
14) Phenanthrene	17.21	178	6550	0.00	ng/ul	95
15) Anthracene	17.21	178	6559	0.00	ng/ul#	95
17) Fluoranthene	19.15	202	41341	0.01	ng/ul	93
19) Pyrene	19.51	202	30722	0.57	ng/ul	94
20) Benzo(a)anthracene	21.27	228	5674	0.12	ng/ul	94
21) Chrysene	21.32	228	4593	0.08	ng/ul	93
23) Benzo(b)fluoranthene	22.85	252	1933	0.00	ng/ul#	41
24) Benzo(k)fluoranthene	22.85	252	3065	0.00	ng/ul#	43
25) Benzo(a)pyrene	23.32	252	766	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.53	276	948	0.00	ng/ul#	63
27) Dibenzo(a,h)anthracene	25.62	278	1110	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.28	276	7	0.00	ng/ul#	1

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



#5

Naphthalene

Concen: 0.60 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

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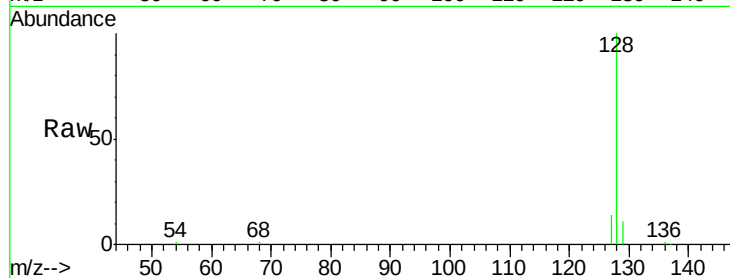
Tgt Ion:128 Resp: 23235

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

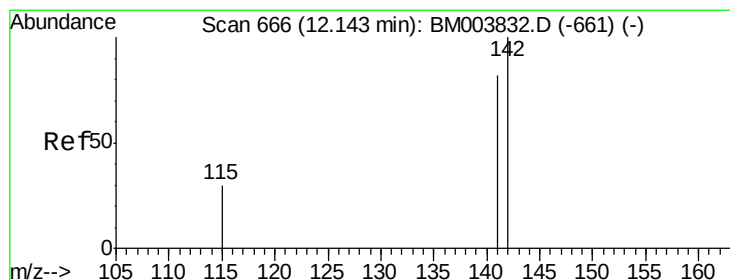
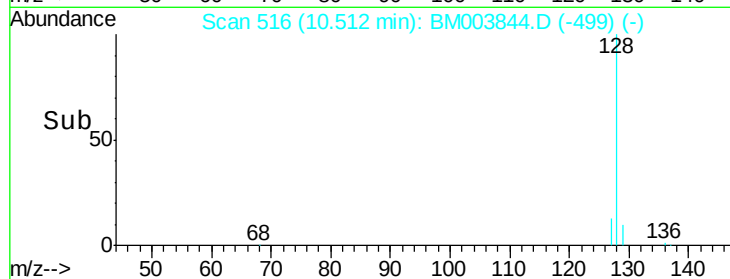
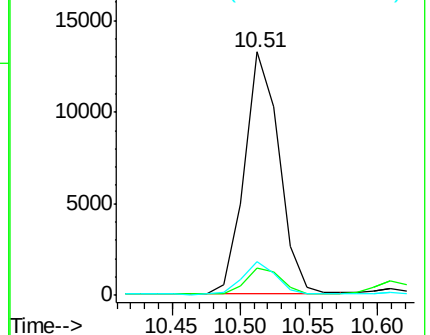
127 13.7 9.6 14.4



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: 0.33 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003844.D

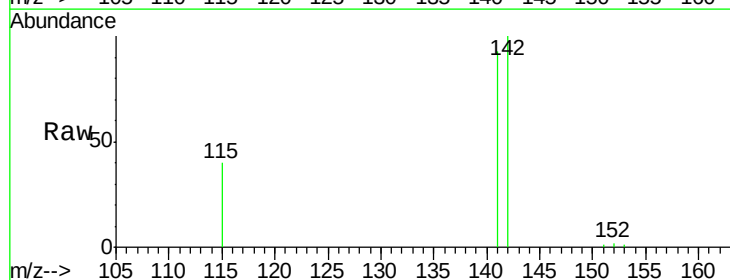
Acq: 29 Dec 2015 00:33

Tgt Ion:142 Resp: 8696

Ion Ratio Lower Upper

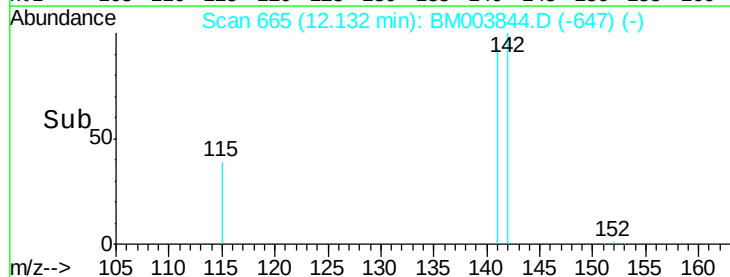
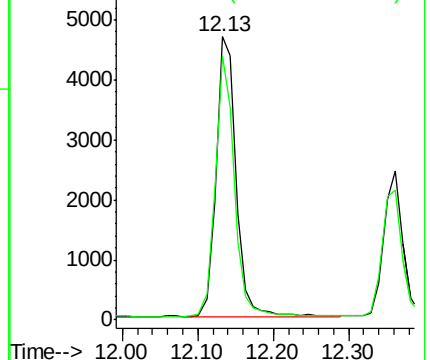
142 100

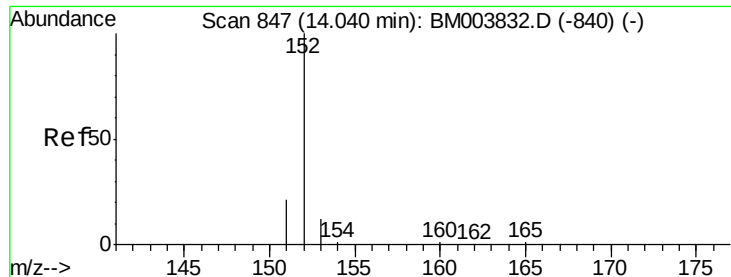
141 88.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

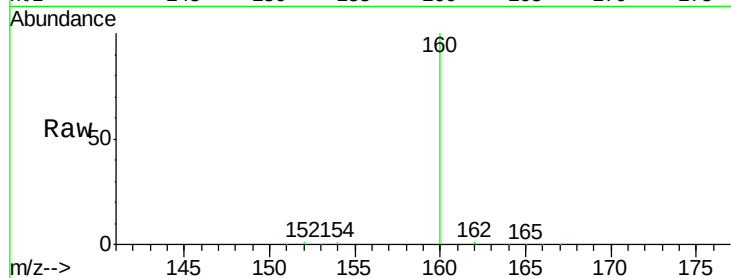
Tgt Ion:152 Resp: 1162

Ion Ratio Lower Upper

152 100

151 27.7 17.6 26.4#

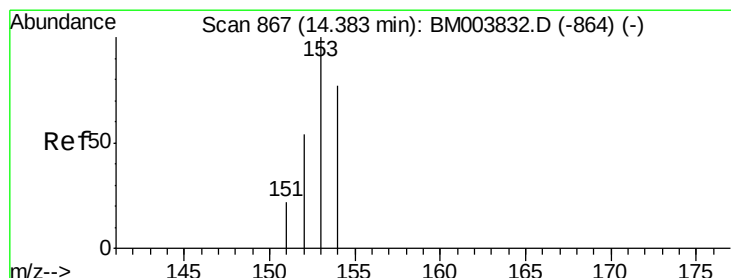
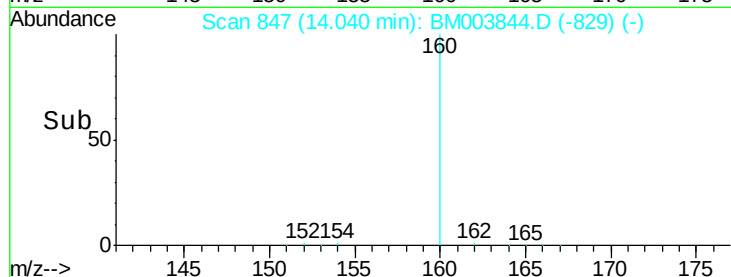
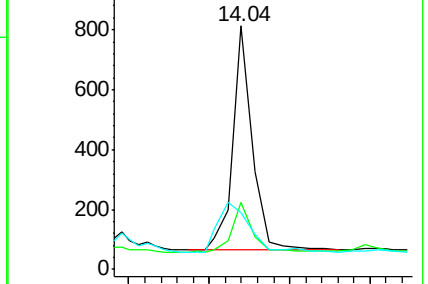
153 23.2 9.7 14.5#



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: 0.48 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

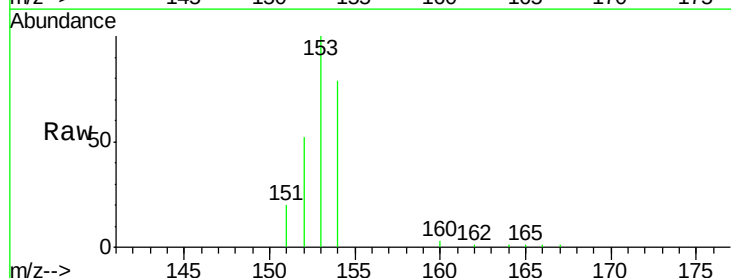
Tgt Ion:153 Resp: 15494

Ion Ratio Lower Upper

153 100

152 51.9 33.9 50.9#

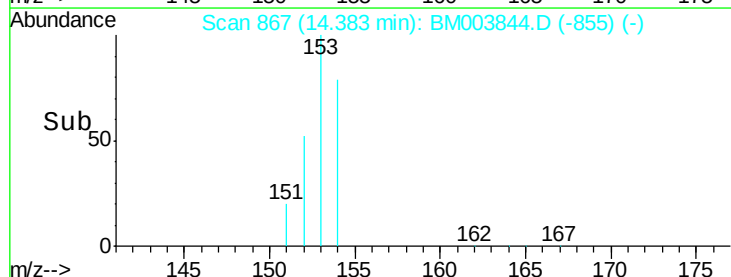
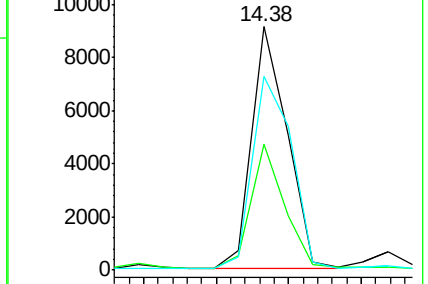
154 79.5 80.6 121.0#

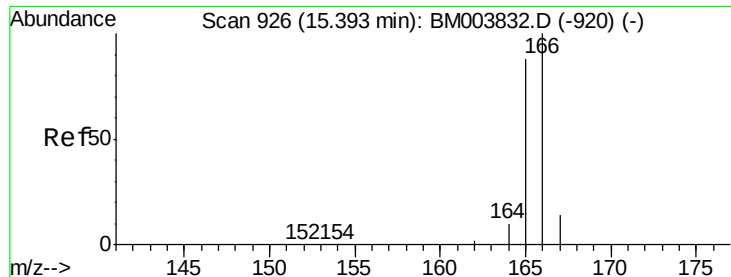


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

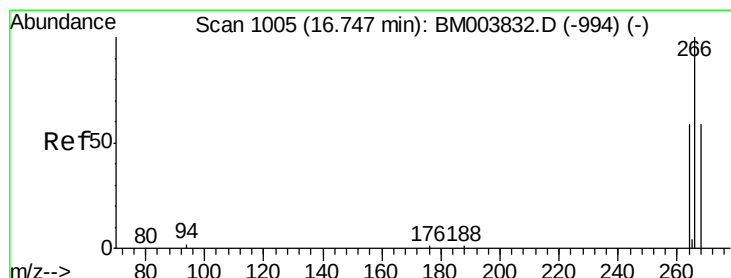
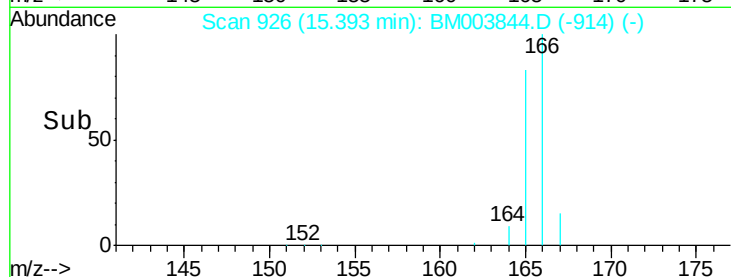
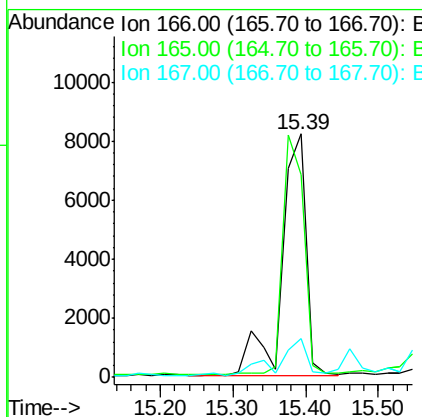
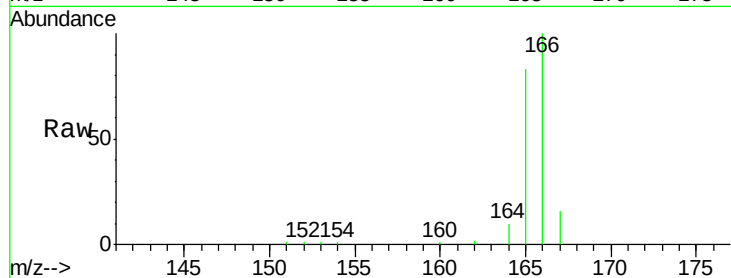




#11
Fluorene
Concen: 0.53 ng/ul
RT: 15.39 min Scan# 926
Delta R.T. -0.00 min
Lab File: BM003844.D
Acq: 29 Dec 2015 00:33

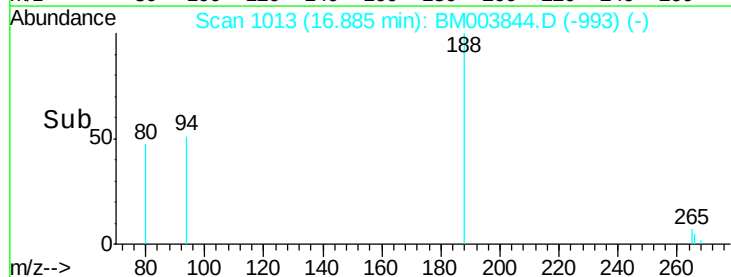
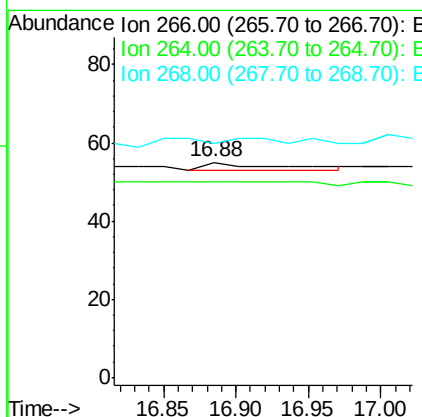
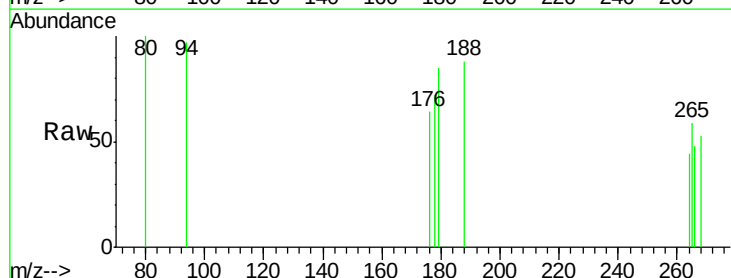
Instrument :
BNA_G
ClientSampleId :
D9N56

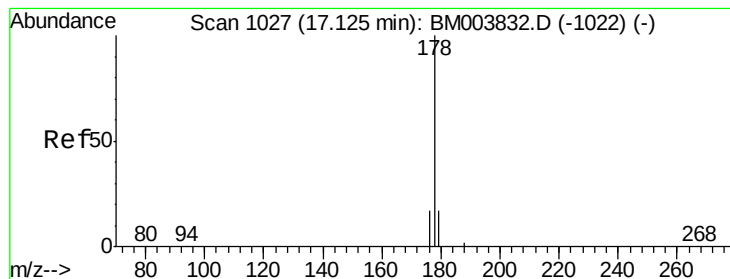
Tgt Ion:166 Resp: 19039
Ion Ratio Lower Upper
166 100
165 83.0 69.6 104.4
167 15.8 11.9 17.9



#13
Pentachlorophenol
Concen: 0.00 ng/ul
RT: 16.88 min Scan# 1013
Delta R.T. 0.14 min
Lab File: BM003844.D
Acq: 29 Dec 2015 00:33

Tgt Ion:266 Resp: 7
Ion Ratio Lower Upper
266 100
264 0.0 51.8 77.8#
268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

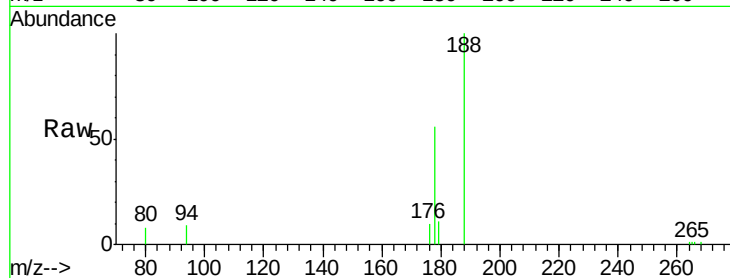
Tgt Ion:178 Resp: 6550

Ion Ratio Lower Upper

178 100

176 18.4 13.0 19.4

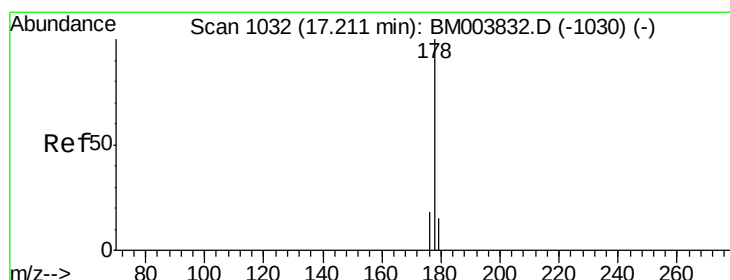
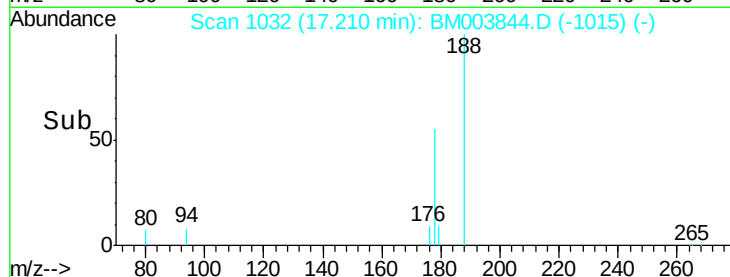
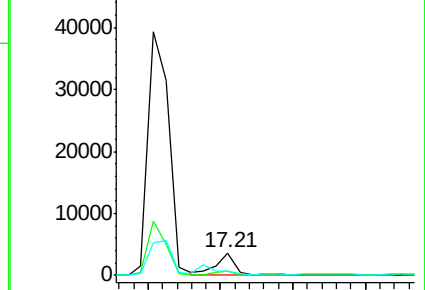
179 19.5 14.2 21.2



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: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

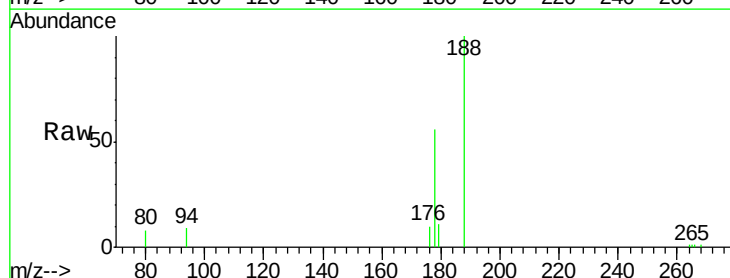
Tgt Ion:178 Resp: 6559

Ion Ratio Lower Upper

178 100

176 18.4 14.0 21.0

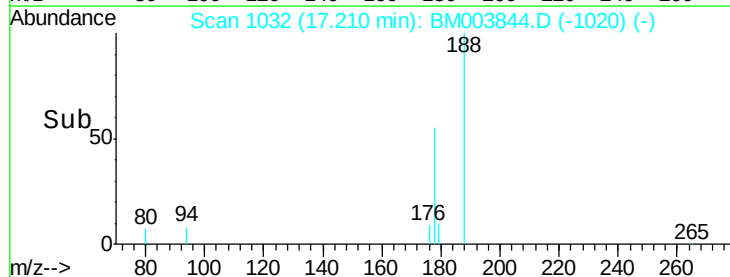
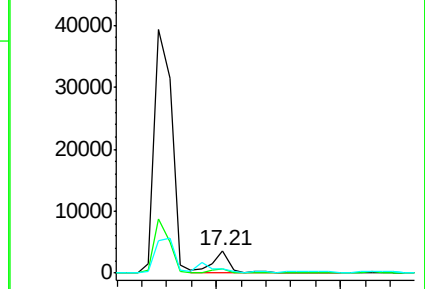
179 19.5 12.9 19.3#

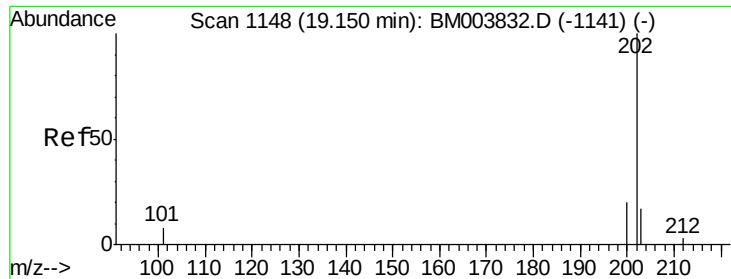


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

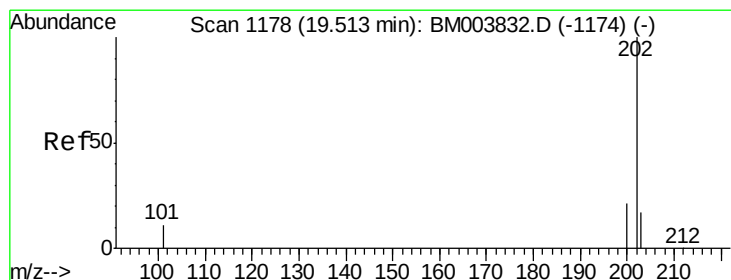
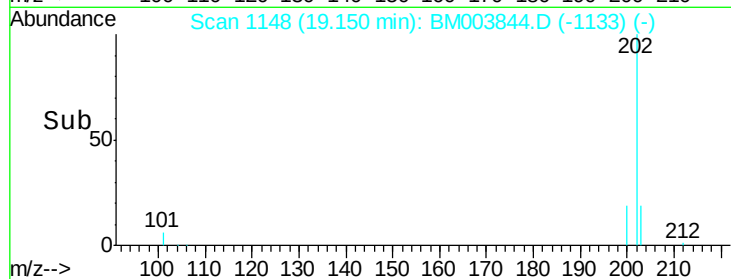
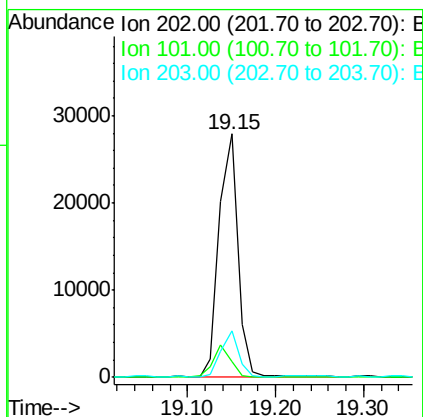
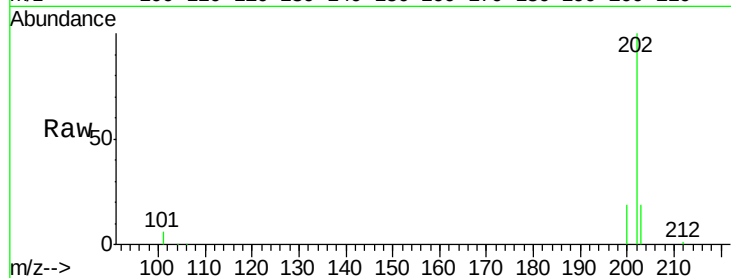




#17
 Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.15 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BM003844.D
 Acq: 29 Dec 2015 00:33

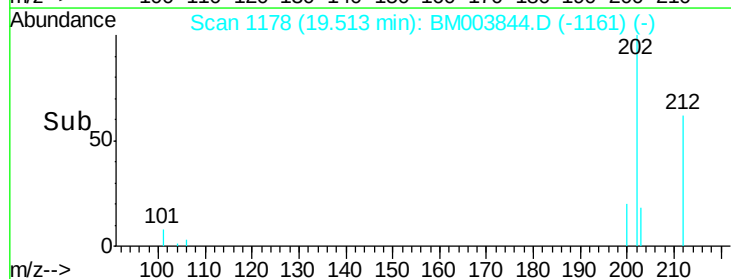
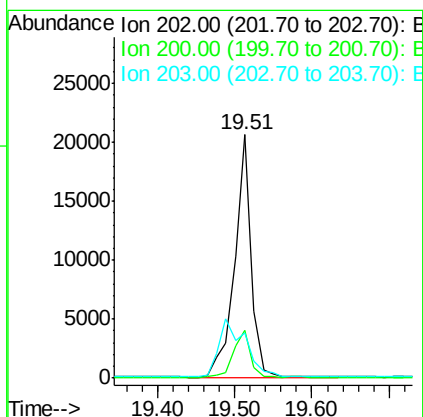
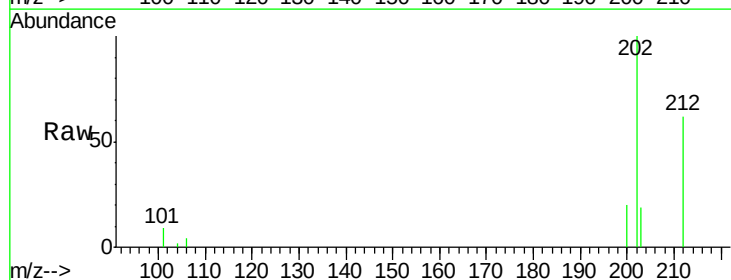
Instrument :
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 D9N56

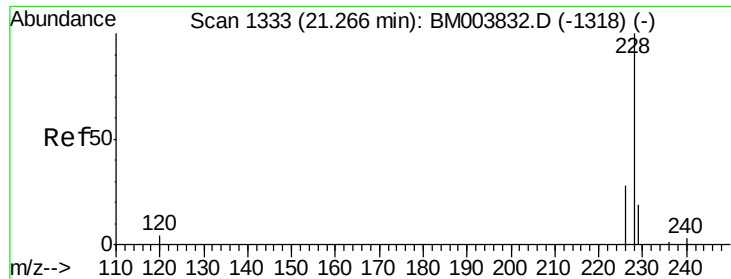
Tgt Ion:202 Resp: 41341
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 29.6
 203 19.0 0.0 36.3



#19
 Pyrene
 Concen: 0.57 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM003844.D
 Acq: 29 Dec 2015 00:33

Tgt Ion:202 Resp: 30722
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.8 26.8
 203 18.7 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

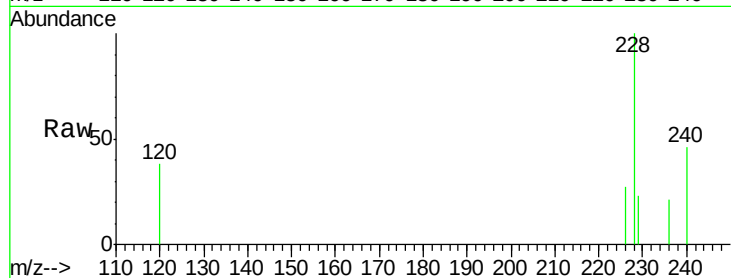
Tgt Ion:228 Resp: 5674

Ion Ratio Lower Upper

228 100

226 26.9 18.8 28.2

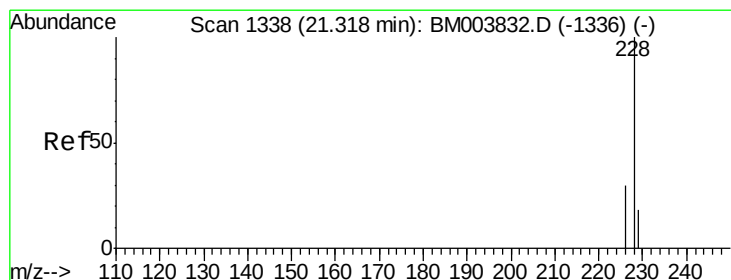
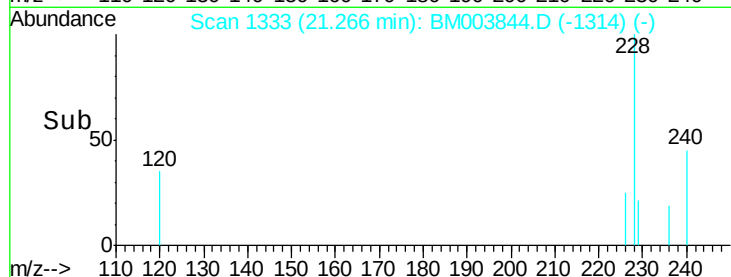
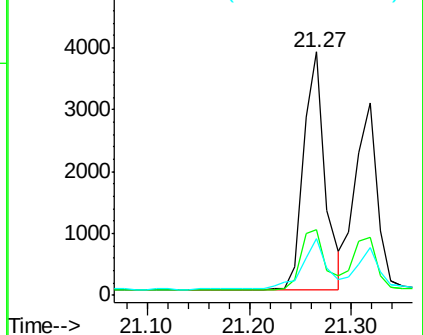
229 23.4 17.1 25.7



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: 0.08 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

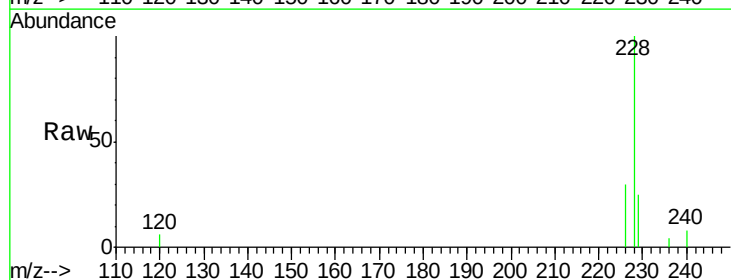
Tgt Ion:228 Resp: 4593

Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

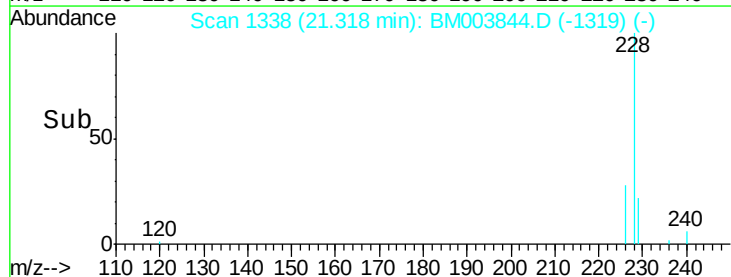
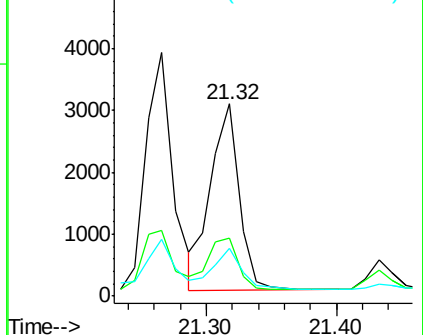
229 25.0 17.0 25.6

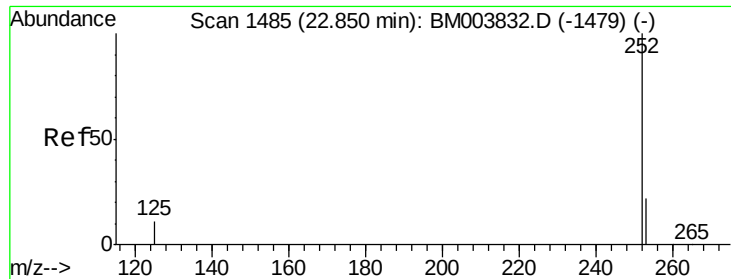


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

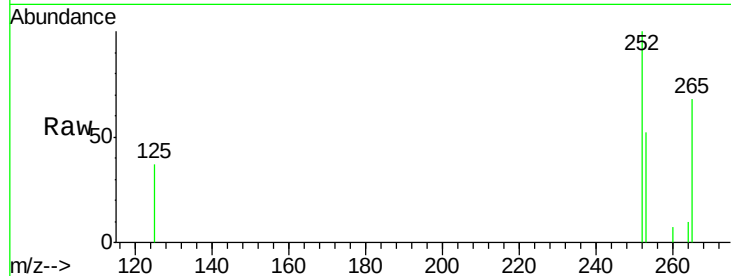
Tgt Ion:252 Resp: 1933

Ion Ratio Lower Upper

252 100

253 52.2 0.0 45.4#

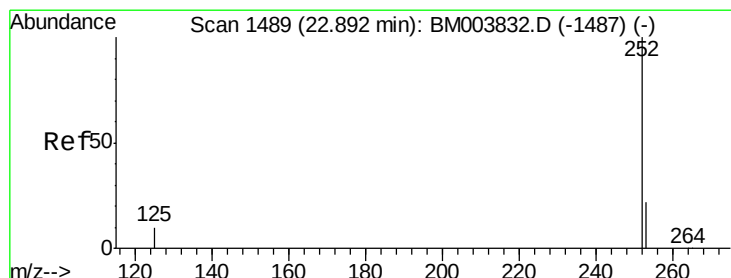
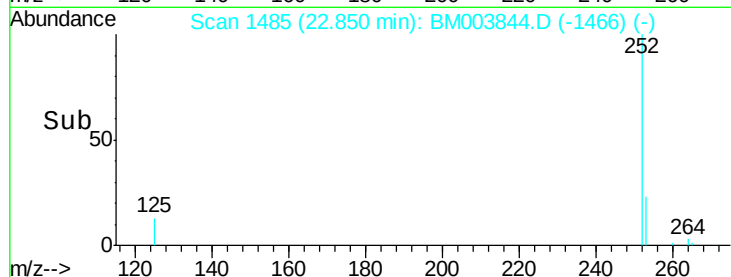
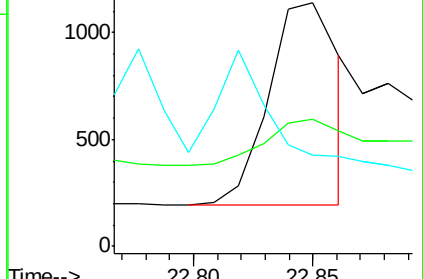
125 37.5 0.0 28.8#



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/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.04 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

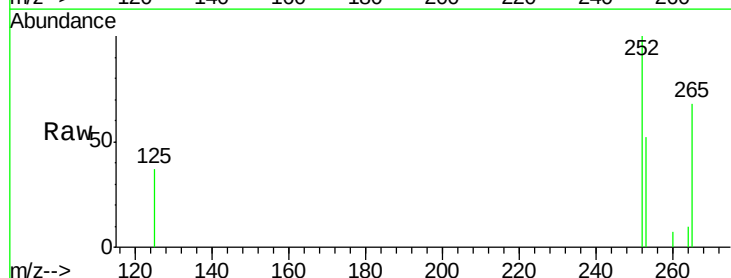
Tgt Ion:252 Resp: 3065

Ion Ratio Lower Upper

252 100

253 52.2 19.8 29.8#

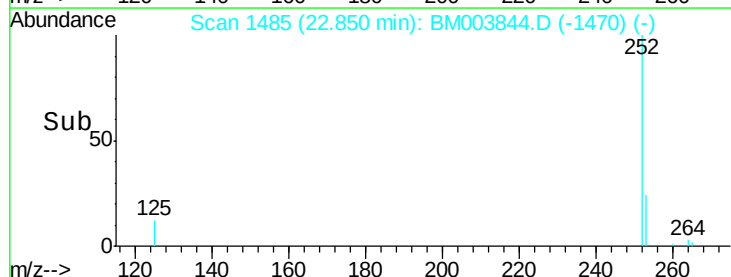
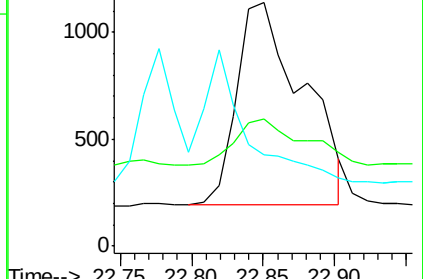
125 37.5 10.4 15.6#

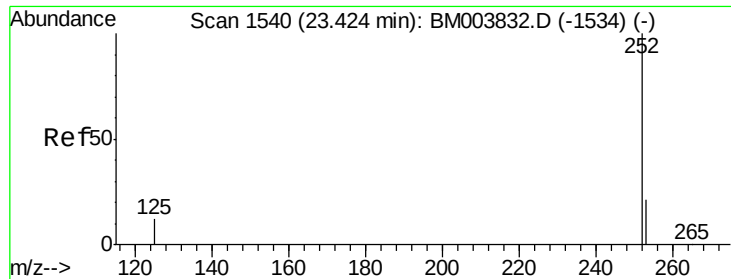


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.32 min Scan# 1530

Delta R.T. -0.10 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

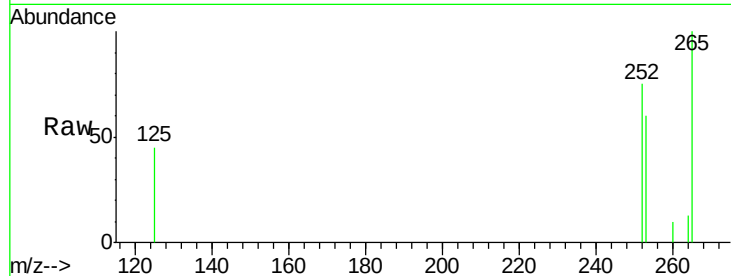
Tgt Ion: 252 Resp: 766

Ion Ratio Lower Upper

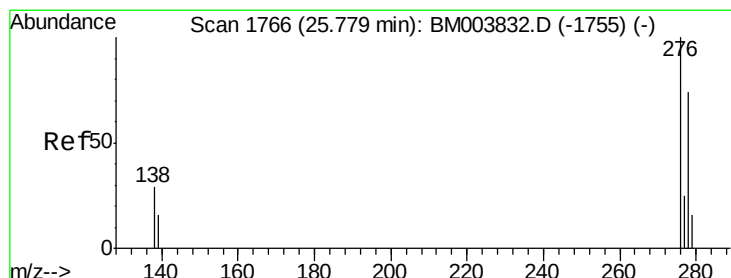
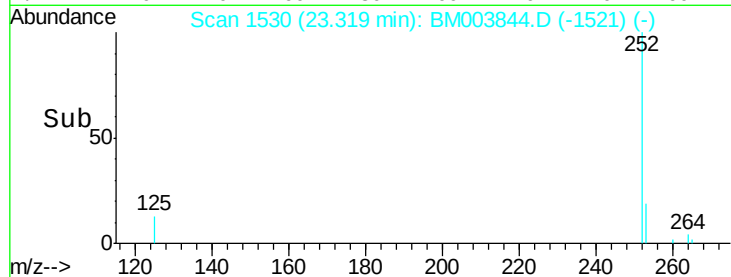
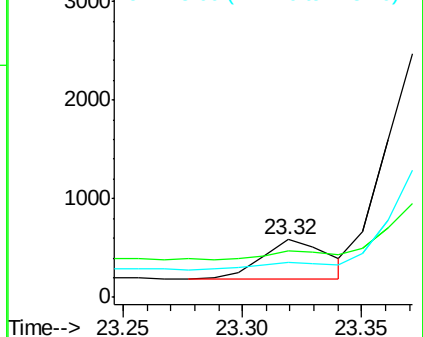
252 100

253 79.7 19.4 29.2#

125 60.1 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: 25.53 min Scan# 1742

Delta R.T. -0.25 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

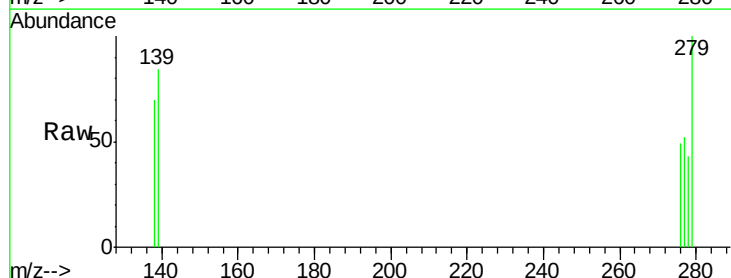
Tgt Ion: 276 Resp: 948

Ion Ratio Lower Upper

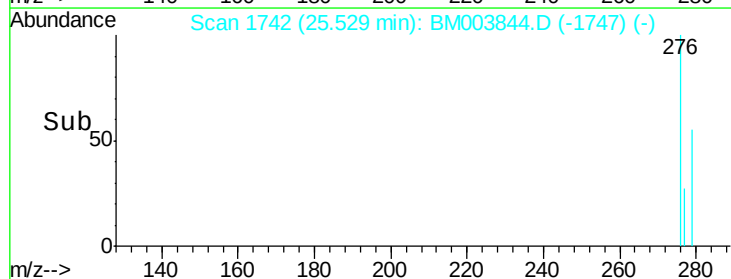
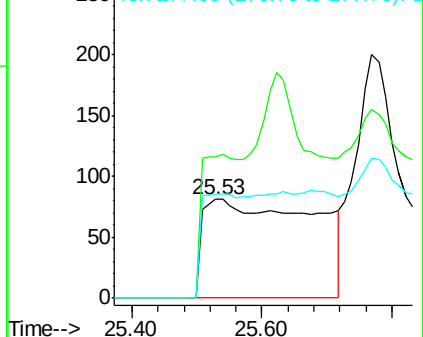
276 100

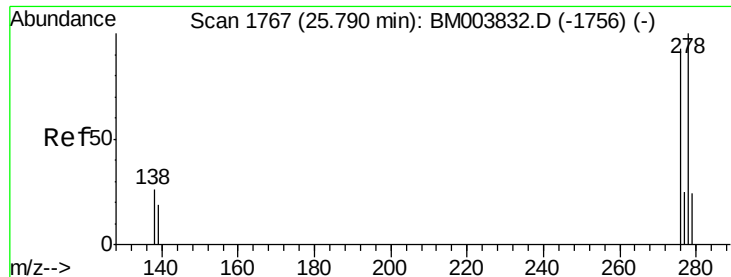
138 30.0 16.3 24.5#

277 0.0 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: 25.62 min Scan# 1751

Delta R.T. -0.17 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA_G

ClientSampleId :

D9N56

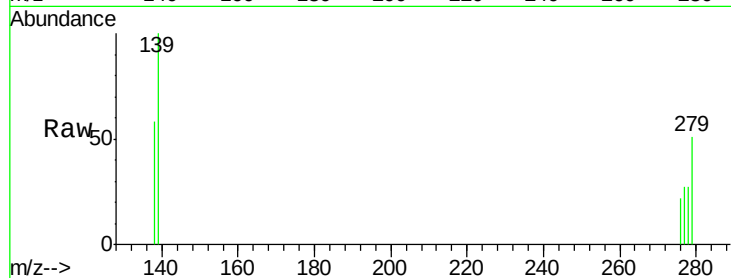
Tgt Ion: 278 Resp: 1110

Ion Ratio Lower Upper

278 100

139 364.4 16.4 24.6#

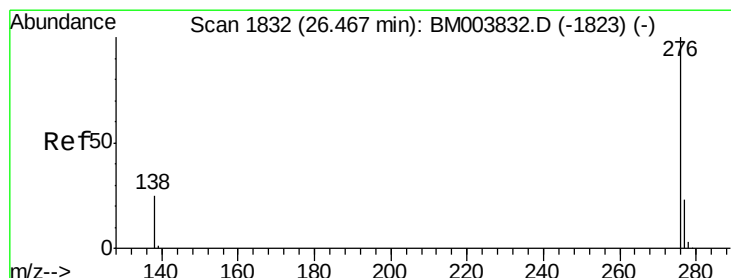
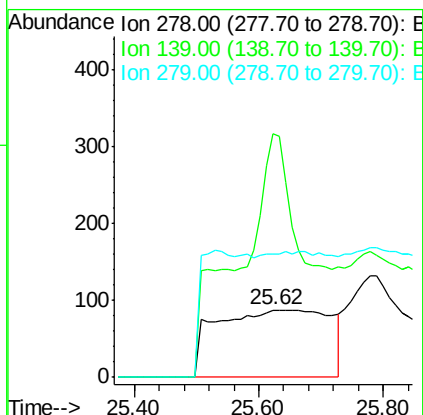
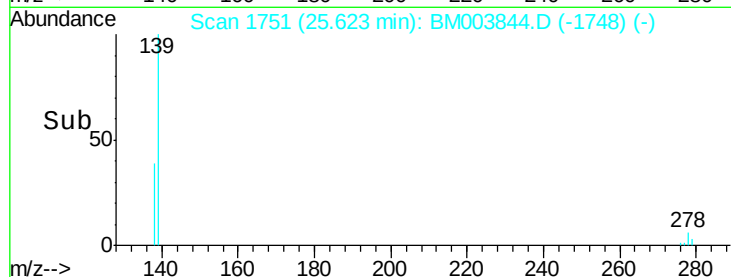
279 185.1 20.2 30.2#



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: 0.00 ng/ul

RT: 26.28 min Scan# 1814

Delta R.T. -0.19 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

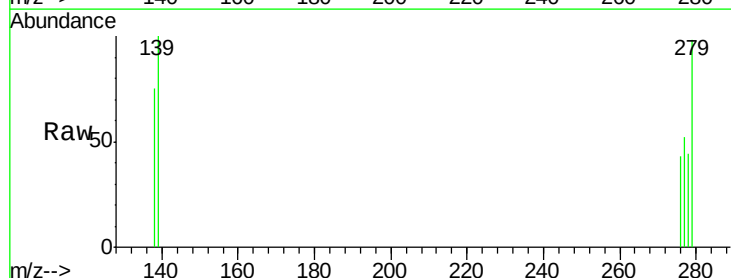
Tgt Ion: 276 Resp: 7

Ion Ratio Lower Upper

276 100

277 121.7 18.9 28.3#

138 175.4 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

