

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008576.D
 Acq On : 23 Dec 2016 03:28
 Operator : UM/SJ
 Sample : H5970-22DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA861DL

Quant Time: Dec 23 05:53:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:50:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	398	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.42	136	1346	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.16	164	138	0.40	ng/ul	-0.15
10) Phenanthrene-d10	16.88	188	974	0.40	ng/ul	-0.19
16) Chrysene-d12	21.01	240	148	0.40	ng/ul	-0.26
20) Perylene-d12	23.34	264	22662	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	284	0.14	ng/ul	-0.08
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

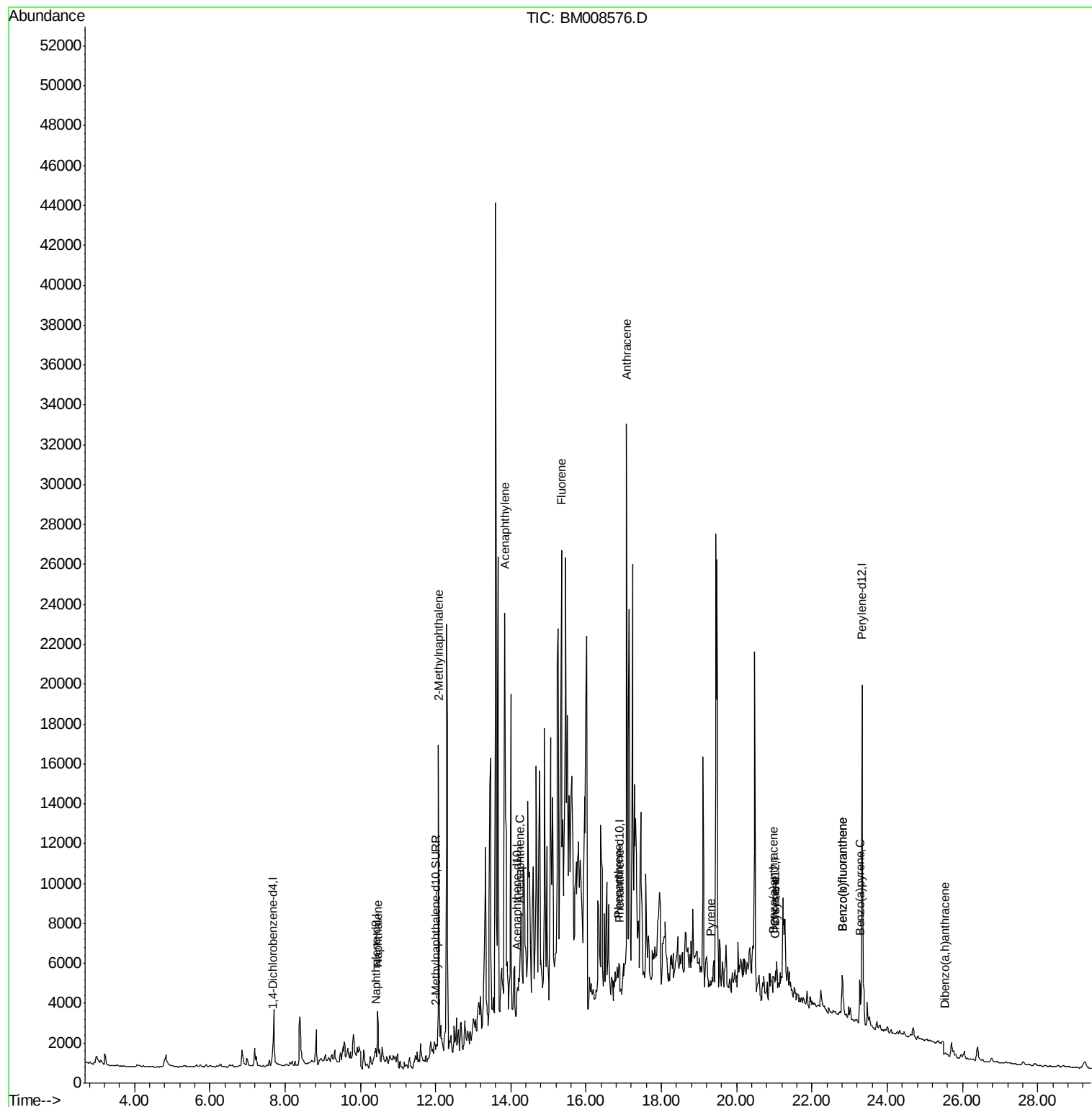
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	4293	1.13	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	10992	4.31	ng/ul	99
7) Acenaphthylene	13.84	152	3835	6.14	ng/ul#	1
8) Acenaphthene	14.25	153	1738	3.70	ng/ul#	16
9) Fluorene	15.34	166	12566	23.45	ng/ul	89
12) Phenanthrene	16.87	178	2273	0.76	ng/ul#	1
13) Anthracene	17.07	178	35986	12.46	ng/ul	96
17) Pyrene	19.30	202	474	0.83	ng/ul#	1
18) Benzo(a)anthracene	20.98	228	301	0.62	ng/ul#	1
19) Chrysene	21.03	228	144	0.27	ng/ul#	1
21) Benzo(b)fluoranthene	22.81	252	3065	0.03	ng/ul	70
22) Benzo(k)fluoranthene	22.81	252	3993	0.05	ng/ul#	68
23) Benzo(a)pyrene	23.27	252	2554	0.03	ng/ul#	54
25) Dibenzo(a,h)anthracene	25.54	278	1756	0.02	ng/ul#	1

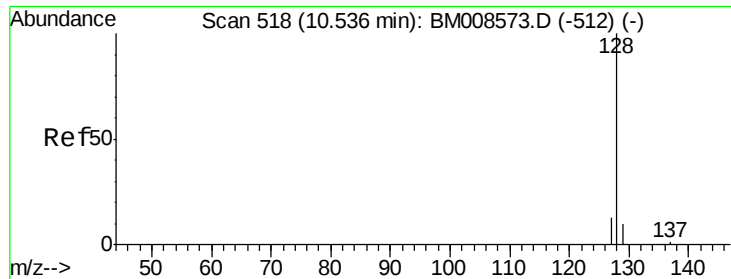
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.13 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.07 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

BNA_M

ClientSampleId :

DA861DL

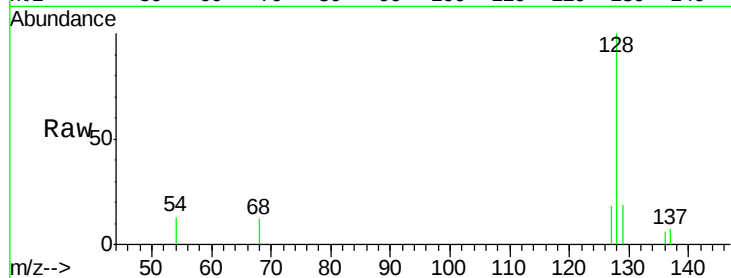
Tgt Ion:128 Resp: 4293

Ion Ratio Lower Upper

128 100

129 18.8 11.3 16.9#

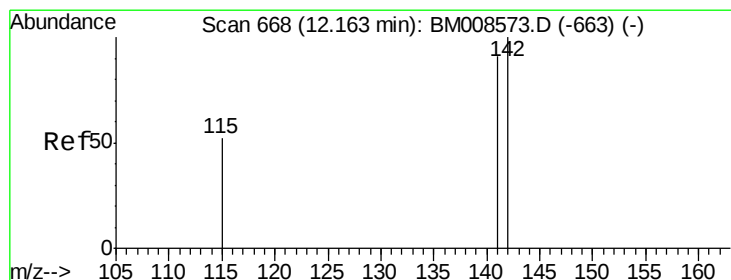
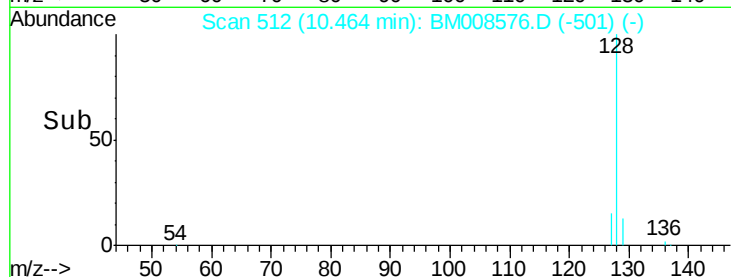
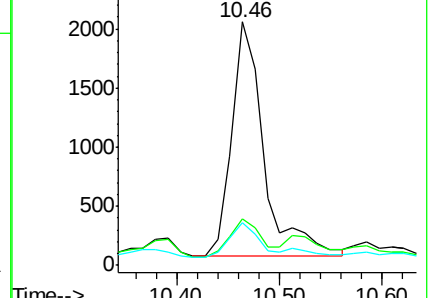
127 17.7 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 4.31 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.08 min

Lab File: BM008576.D

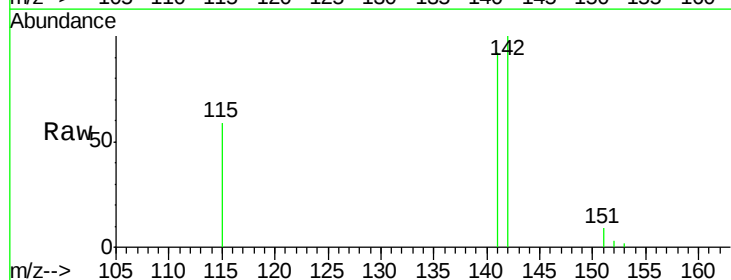
Acq: 23 Dec 2016 03:28

Tgt Ion:142 Resp: 10992

Ion Ratio Lower Upper

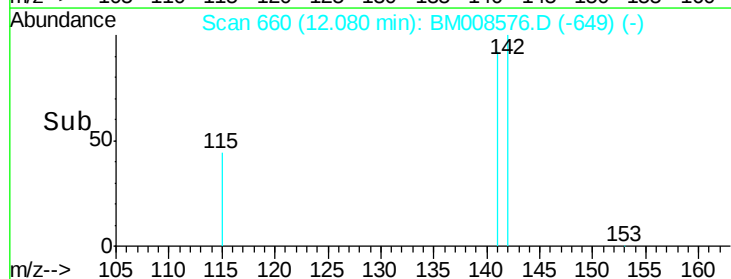
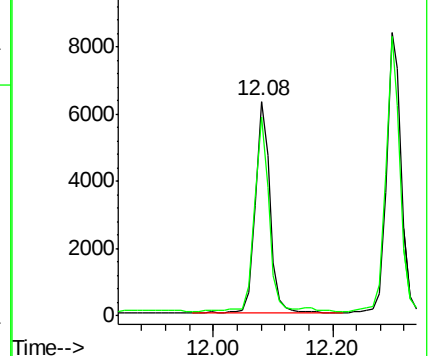
142 100

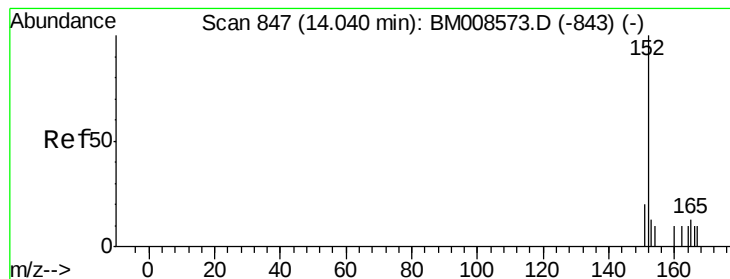
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 6.14 ng/ul

RT: 13.84 min Scan# 829

Delta R.T. -0.20 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

BNA_M

ClientSampleId :

DA861DL

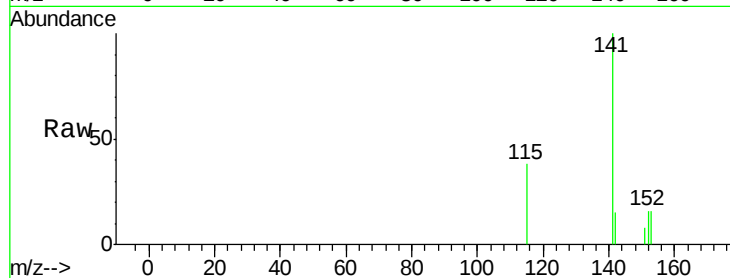
Tgt Ion:152 Resp: 3835

Ion Ratio Lower Upper

152 100

151 54.2 17.1 25.7#

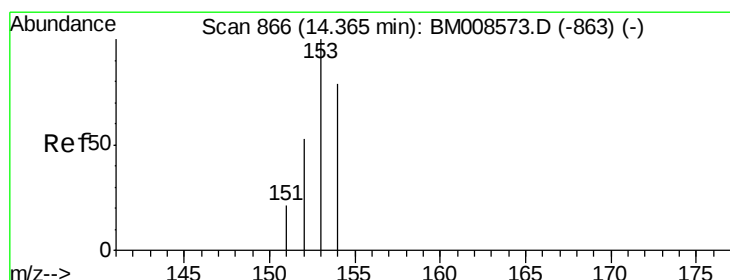
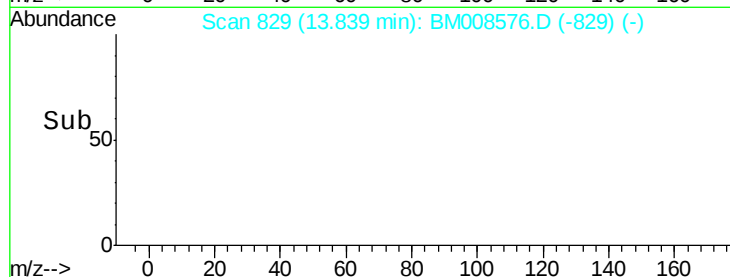
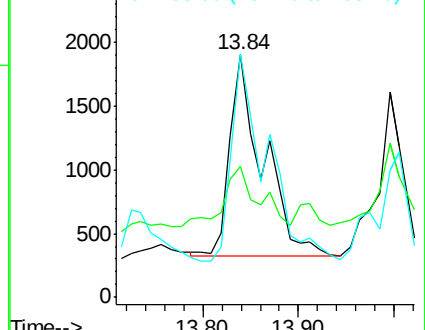
153 100.4 12.8 19.2#



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



#8

Acenaphthene

Concen: 3.70 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. -0.12 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

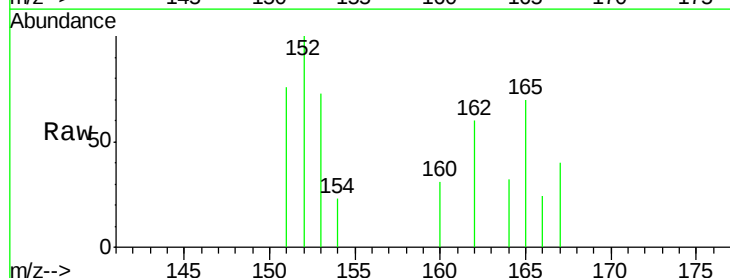
Tgt Ion:153 Resp: 1738

Ion Ratio Lower Upper

153 100

152 137.7 40.3 60.5#

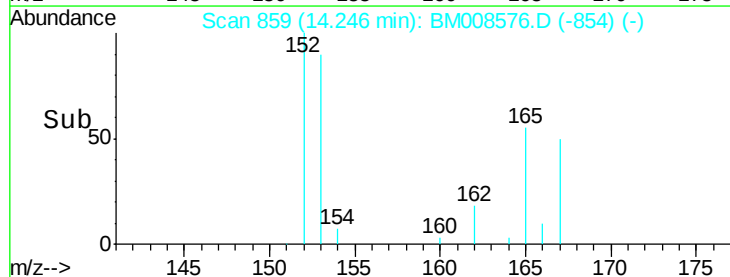
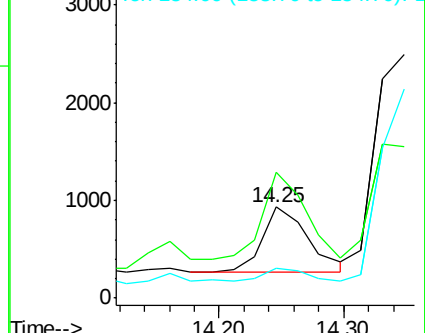
154 32.3 71.4 107.2#

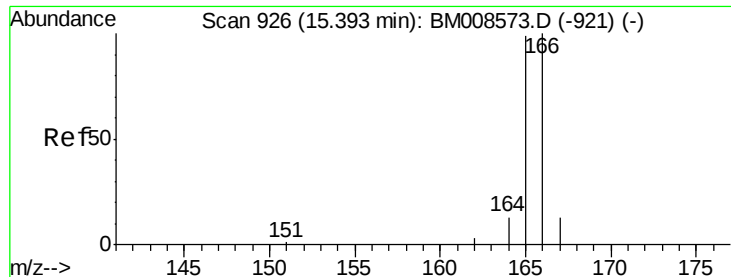


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

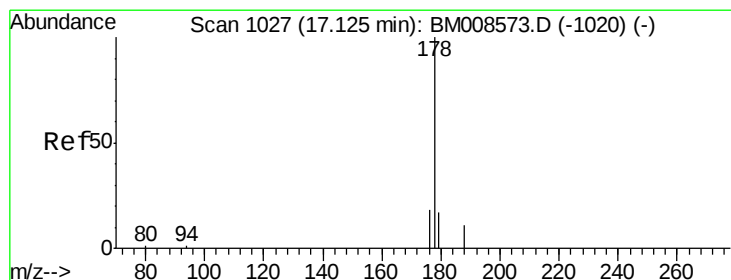
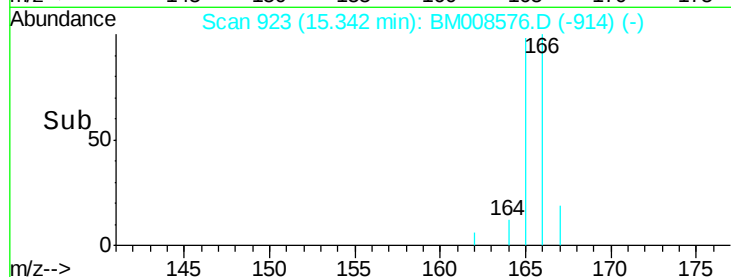
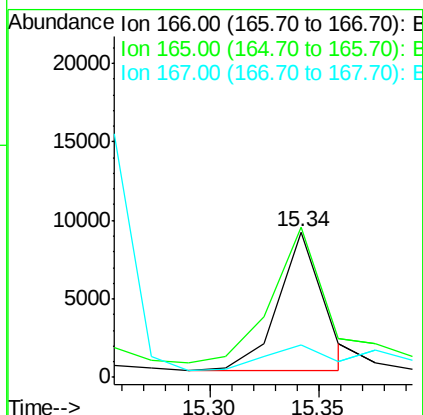
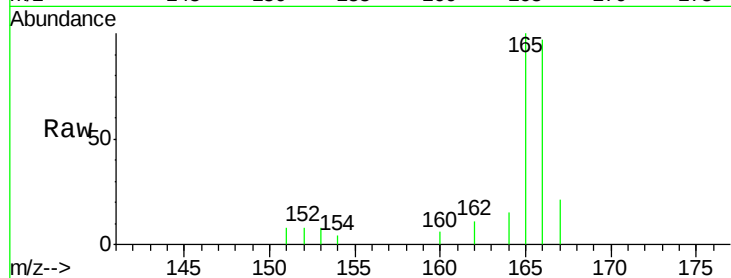




#9
Fluorene
 Concen: 23.45 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.05 min
 Lab File: BM008576.D
 Acq: 23 Dec 2016 03:28

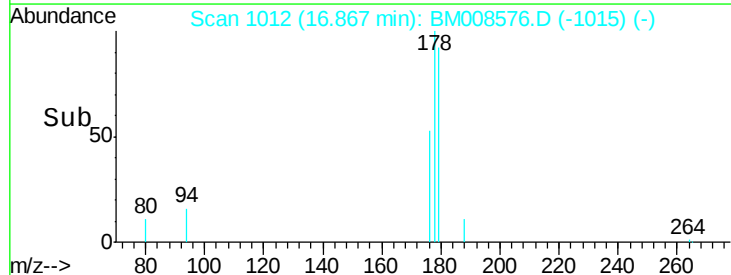
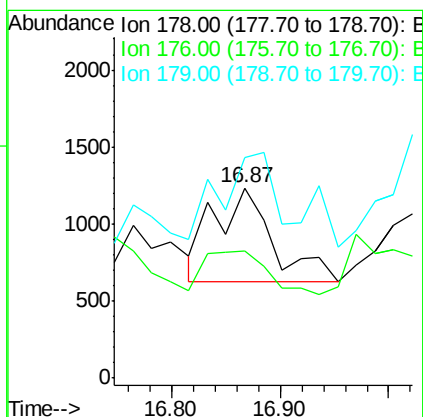
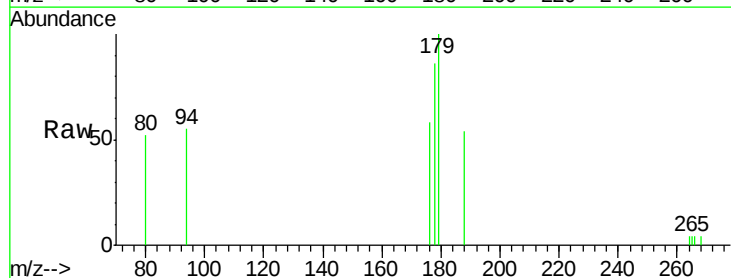
Instrument :
 BNA_M
 ClientSampleId :
 DA861DL

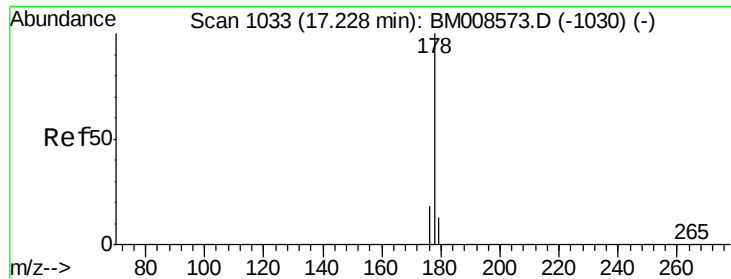
Tgt Ion:166 Resp: 12566
 Ion Ratio Lower Upper
 166 100
 165 103.3 73.4 110.2
 167 21.9 14.6 22.0



#12
Phenanthrene
 Concen: 0.76 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.26 min
 Lab File: BM008576.D
 Acq: 23 Dec 2016 03:28

Tgt Ion:178 Resp: 2273
 Ion Ratio Lower Upper
 178 100
 176 66.7 18.4 27.6#
 179 115.6 13.6 20.4#





#13

Anthracene

Concen: 12.46 ng/u1

RT: 17.07 min Scan# 1024

Delta R.T. -0.15 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

BNA_M

ClientSampleId :

DA861DL

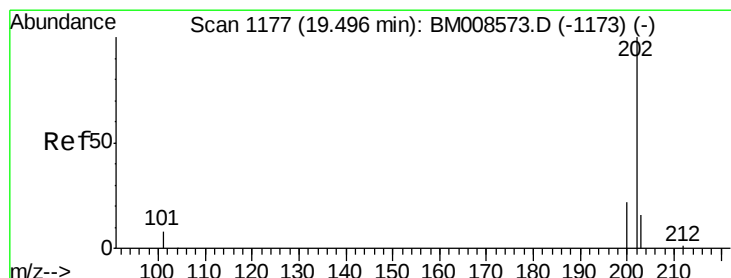
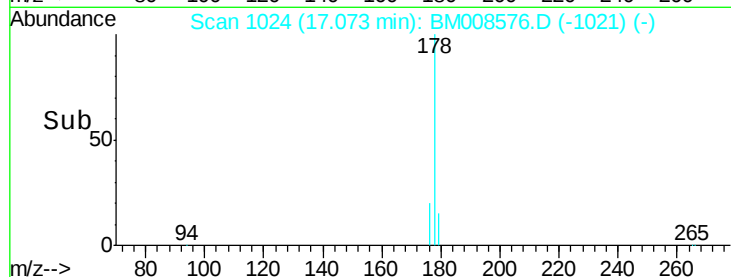
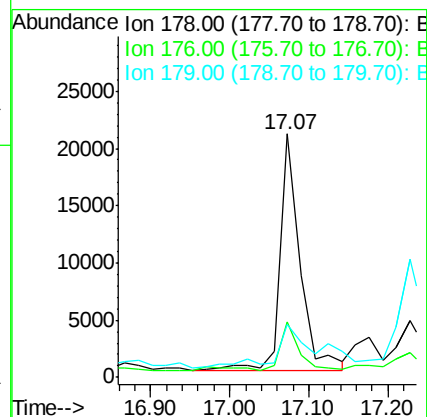
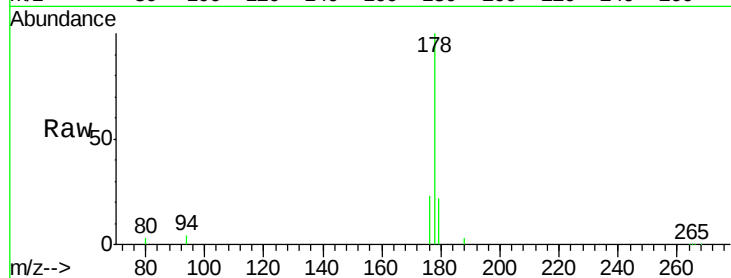
Tgt Ion:178 Resp: 35986

Ion Ratio Lower Upper

178 100

176 22.8 18.1 27.1

179 21.7 14.7 22.1



#17

Pyrene

Concen: 0.83 ng/u1

RT: 19.30 min Scan# 1161

Delta R.T. -0.19 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

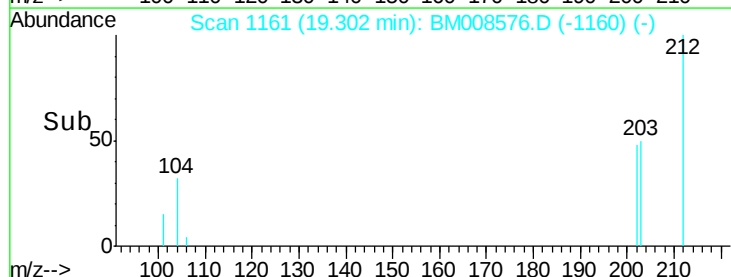
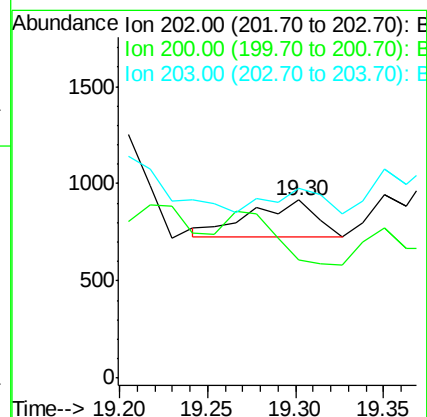
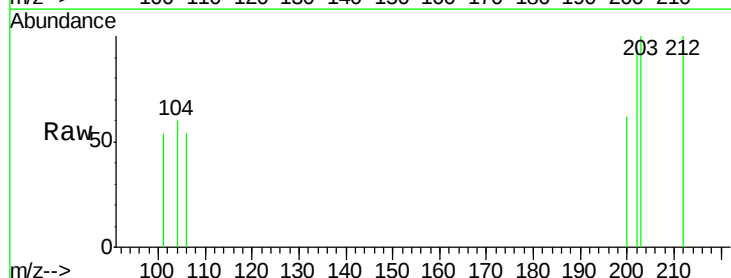
Tgt Ion:202 Resp: 474

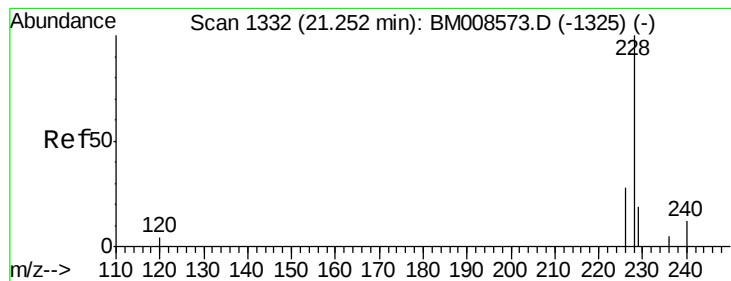
Ion Ratio Lower Upper

202 100

200 66.3 18.2 27.4#

203 106.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.62 ng/ul

RT: 20.98 min Scan# 1306

Delta R.T. -0.27 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

BNA_M

ClientSampleId :

DA861DL

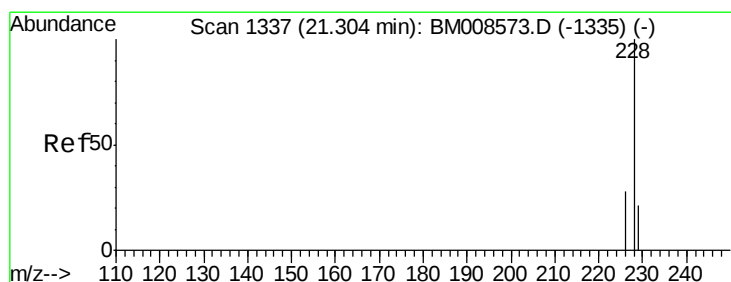
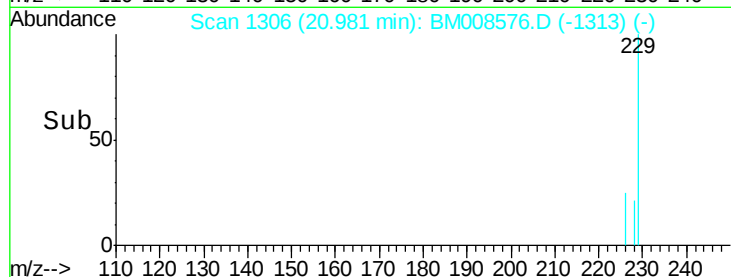
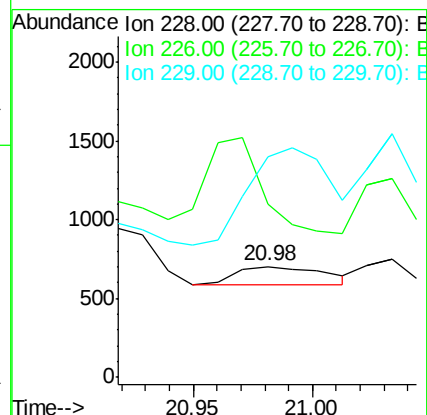
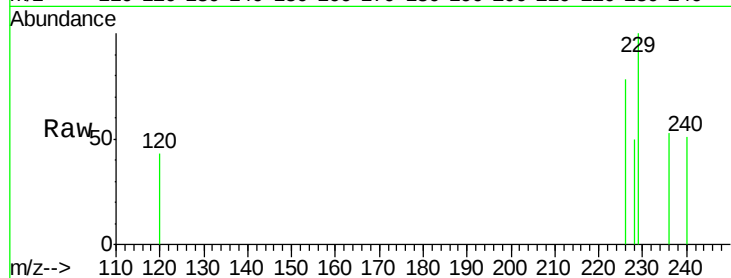
Tgt Ion:228 Resp: 301

Ion Ratio Lower Upper

228 100

226 156.6 22.8 34.2#

229 199.7 17.0 25.6#



#19

Chrysene

Concen: 0.27 ng/ul

RT: 21.03 min Scan# 1311

Delta R.T. -0.27 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

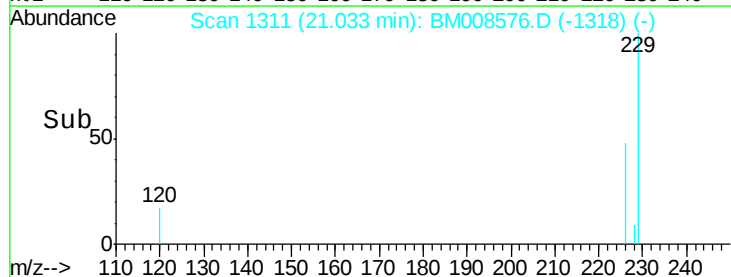
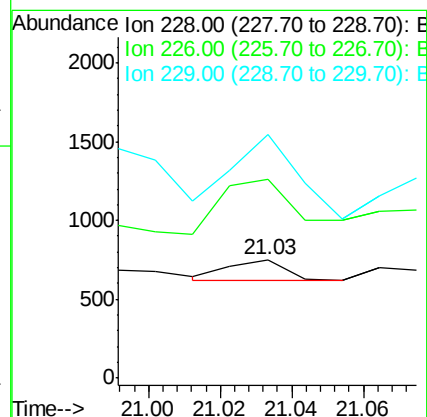
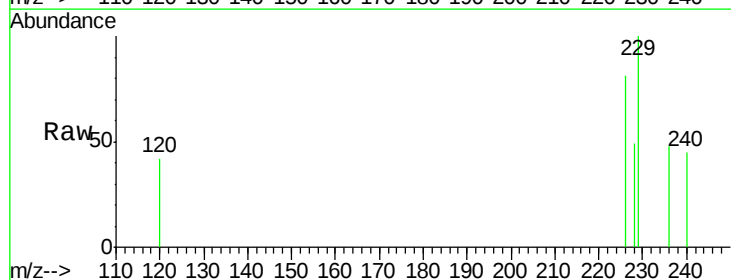
Tgt Ion:228 Resp: 144

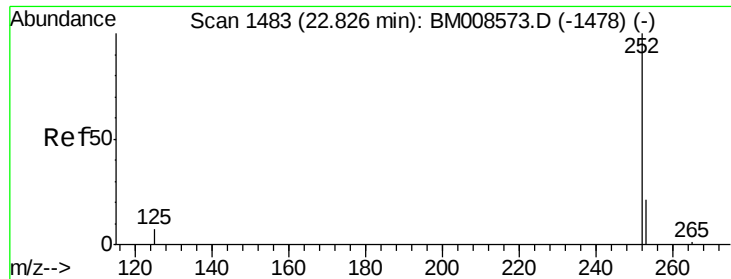
Ion Ratio Lower Upper

228 100

226 167.3 23.4 35.0#

229 205.3 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.03 ng/u1

RT: 22.81 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

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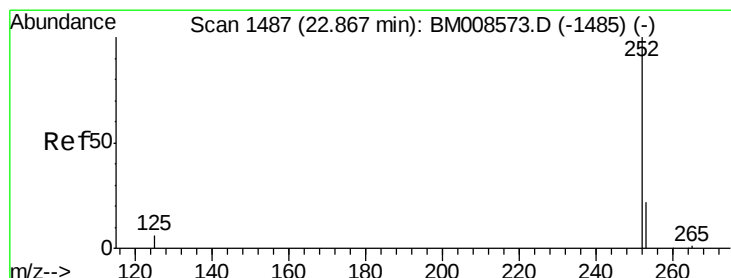
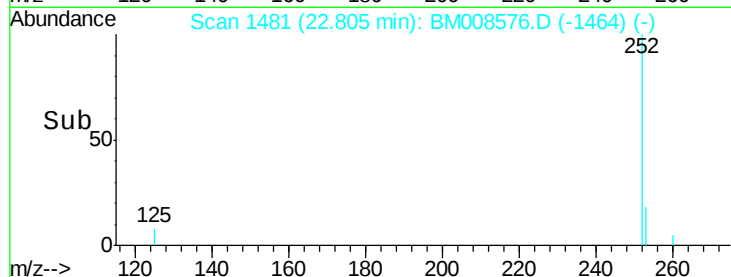
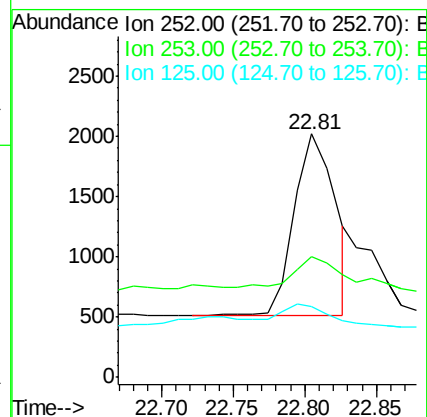
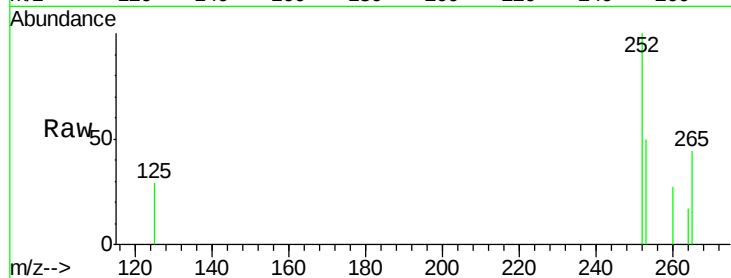
Tgt Ion:252 Resp: 3065

Ion Ratio Lower Upper

252 100

253 49.6 0.0 64.2

125 29.1 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/u1

RT: 22.81 min Scan# 1481

Delta R.T. -0.06 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

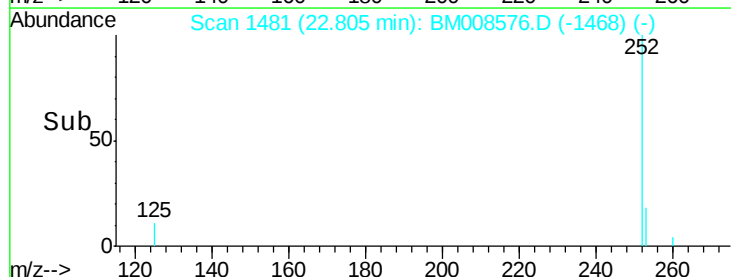
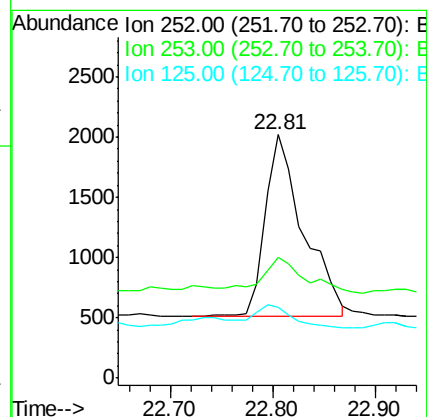
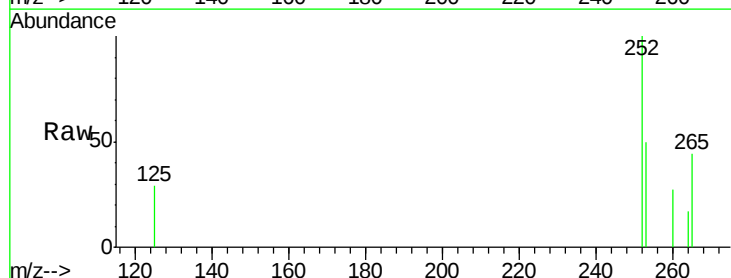
Tgt Ion:252 Resp: 3993

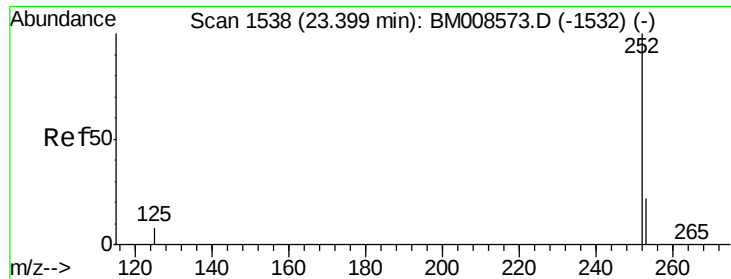
Ion Ratio Lower Upper

252 100

253 49.6 24.5 36.7#

125 29.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.27 min Scan# 1526

Delta R.T. -0.12 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Instrument :

BNA_M

ClientSampled :

DA861DL

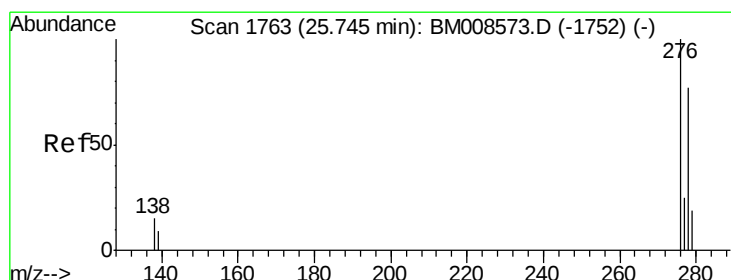
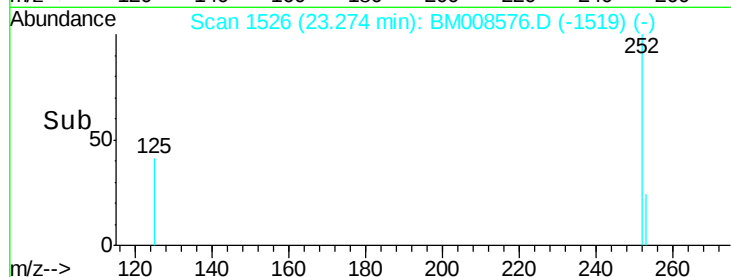
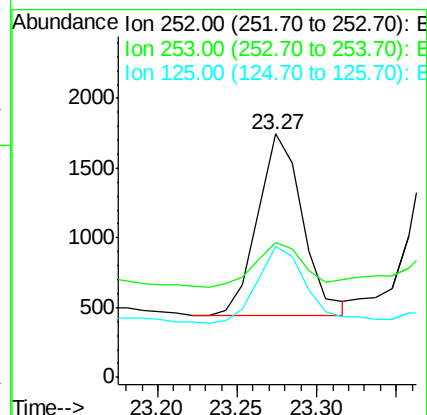
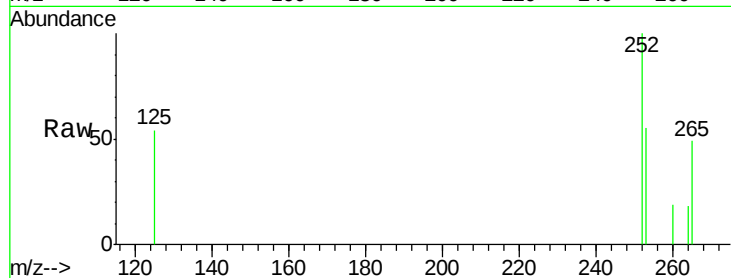
Tgt Ion: 252 Resp: 2554

Ion Ratio Lower Upper

252 100

253 55.4 28.5 42.7#

125 53.8 18.1 27.1#



#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.54 min Scan# 1743

Delta R.T. -0.21 min

Lab File: BM008576.D

Acq: 23 Dec 2016 03:28

Tgt Ion: 278 Resp: 1756

Ion Ratio Lower Upper

278 100

139 173.4 17.4 26.0#

279 149.3 25.9 38.9#

