

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008254.D
 Acq On : 11 Dec 2016 04:16
 Operator : UM/SJ
 Sample : H5863-18DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 06:47:33 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 12 03:51:49 2016
 Response via : Initial Calibration

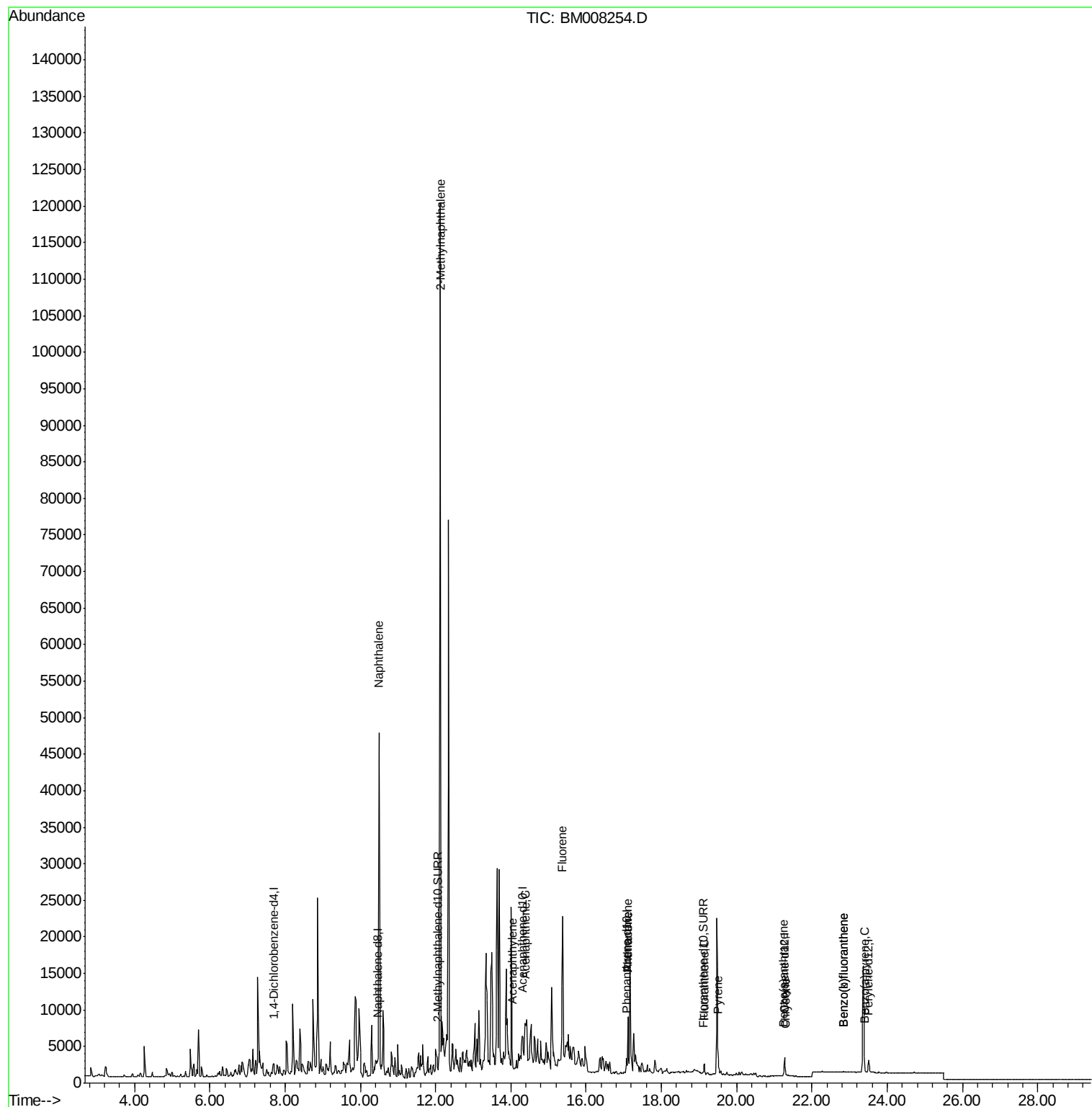
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	900	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2727	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1979	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	3081	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2277	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2186	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	356	0.09	ng/ul	-0.03
14) Fluoranthene-d10	19.11	212	1578	0.18	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.50	128	71201	9.34	ng/ul	95
5) 2-Methylnaphthalene	12.12	142	79426	16.16	ng/ul	99
7) Acenaphthylene	14.04	152	1841	0.21	ng/ul#	1
8) Acenaphthene	14.38	153	4840	0.71	ng/ul	96
9) Fluorene	15.38	166	13752	1.76	ng/ul	92
12) Phenanthrene	17.11	178	9133	0.95	ng/ul#	95
13) Anthracene	17.11	178	8665	0.96	ng/ul	97
15) Fluoranthene	19.13	202	1978	0.16	ng/ul	73
17) Pyrene	19.51	202	2289	0.29	ng/ul#	80
18) Benzo(a)anthracene	21.25	228	430	0.06	ng/ul#	15
19) Chrysene	21.30	228	414	0.05	ng/ul#	22
21) Benzo(b)fluoranthene	22.84	252	271	0.03	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	271	0.03	ng/ul#	1
23) Benzo(a)pyrene	23.40	252	168	0.02	ng/ul#	1

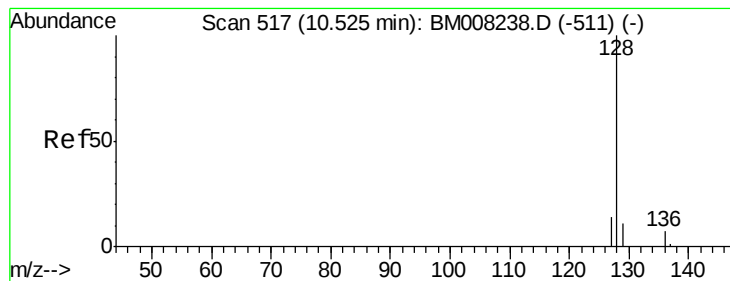
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 9.34 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.02 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampleId :

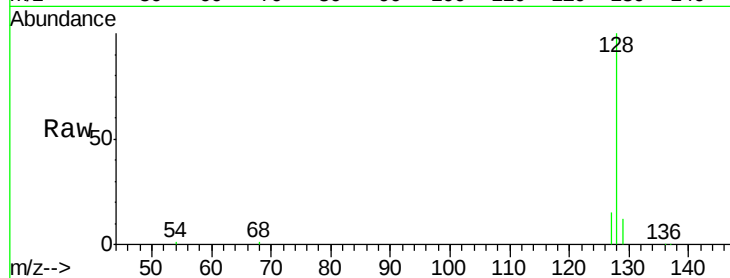
Tot Ion:128 Resp: 71201

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

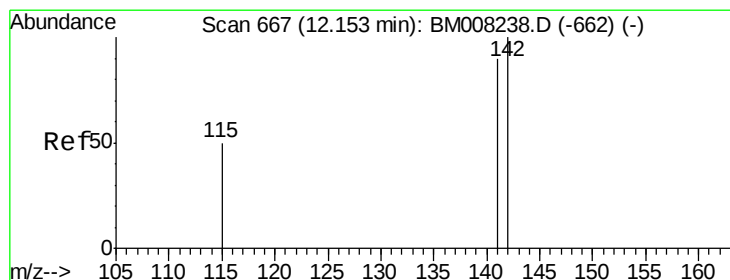
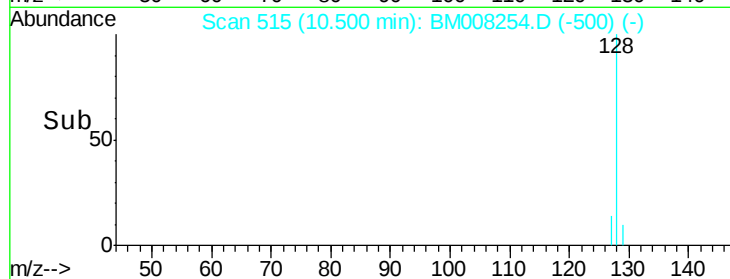
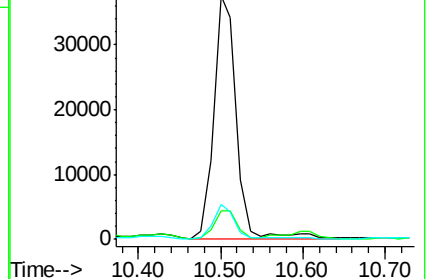
127 14.5 12.8 19.2



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: 16.16 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.03 min

Lab File: BM008254.D

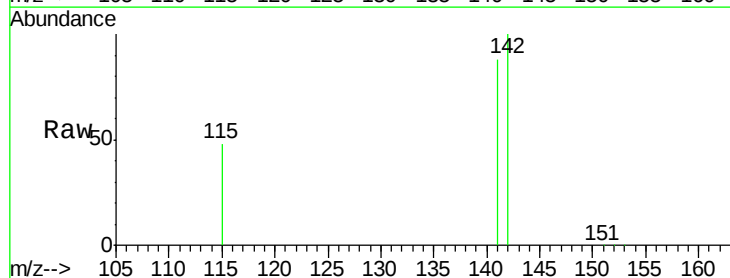
Acq: 11 Dec 2016 04:16

Tgt Ion:142 Resp: 79426

Ion Ratio Lower Upper

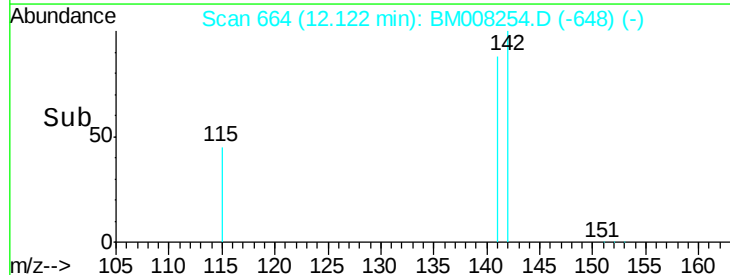
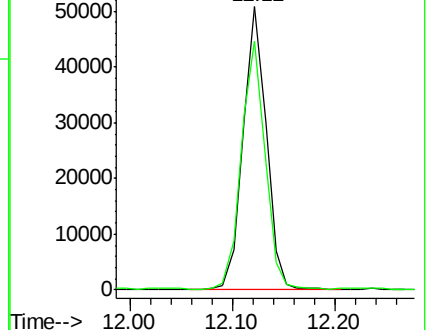
142 100

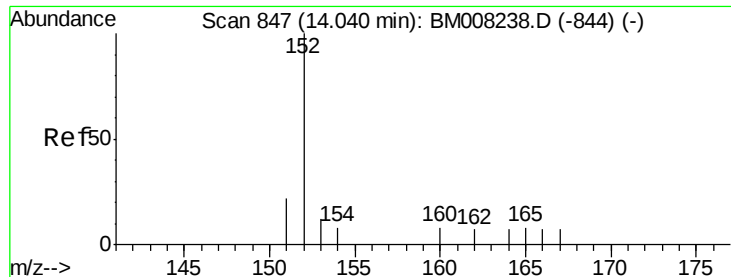
141 90.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampled :

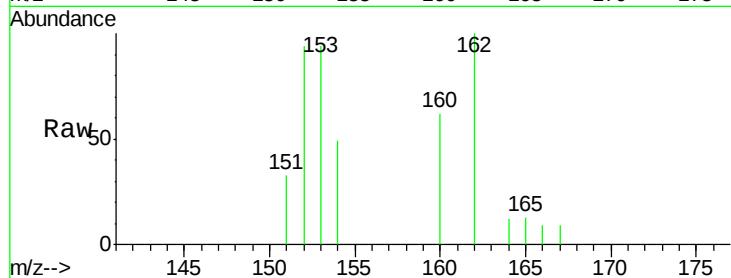
Tot Ion:152 Resp: 1841

Ion Ratio Lower Upper

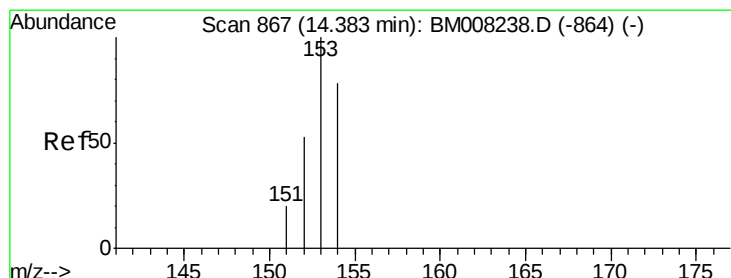
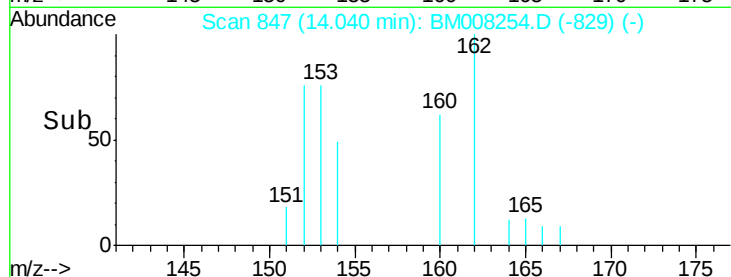
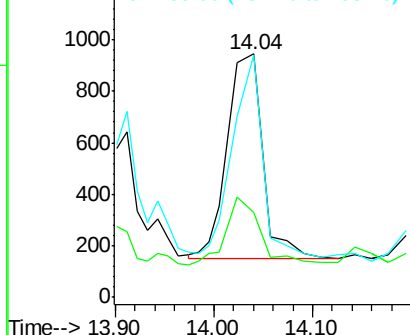
152 100

151 35.1 17.1 25.7#

153 99.6 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: 0.71 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

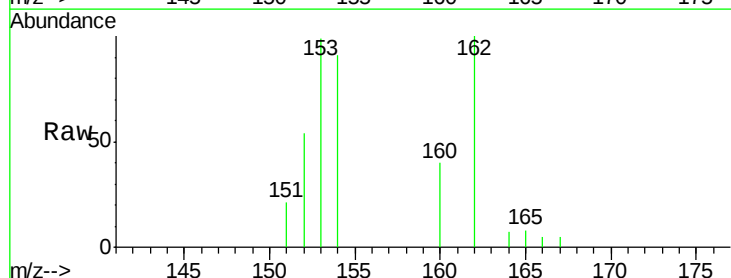
Tgt Ion:153 Resp: 4840

Ion Ratio Lower Upper

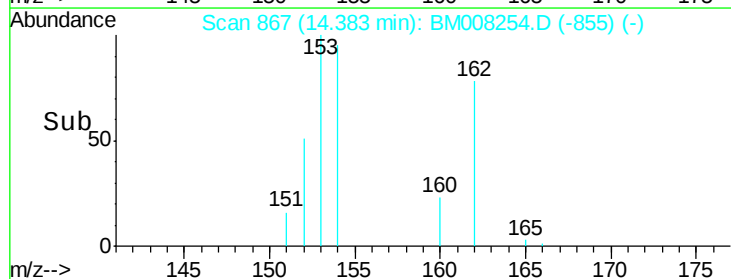
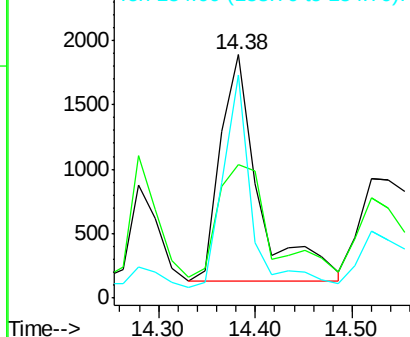
153 100

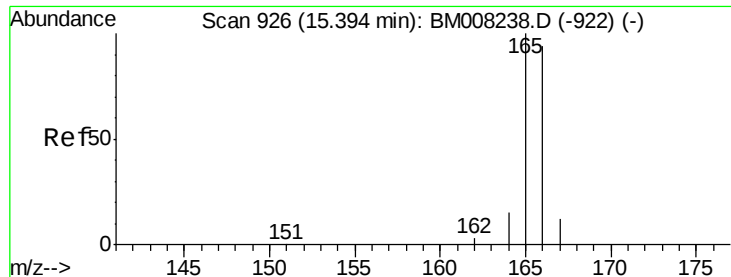
152 54.8 40.3 60.5

154 91.5 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: 1.76 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampleId :

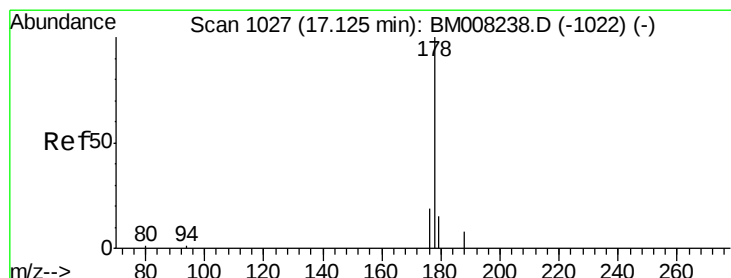
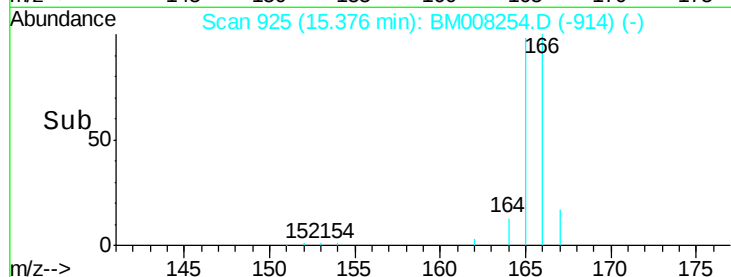
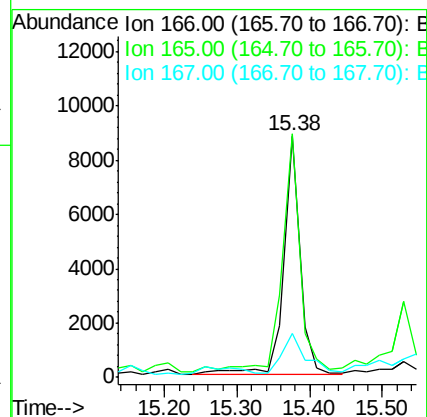
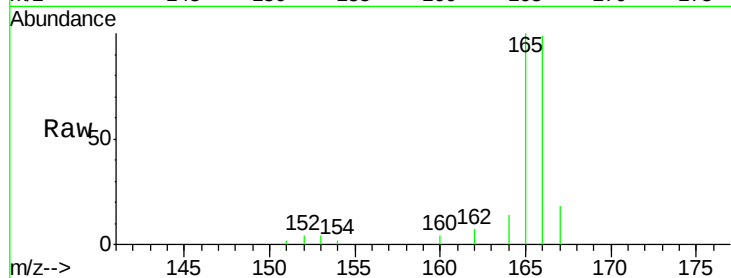
Tot Ion:166 Resp: 13752

Ion Ratio Lower Upper

166 100

165 100.8 73.4 110.2

167 18.4 14.6 22.0



#12

Phenanthrene

Concen: 0.95 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

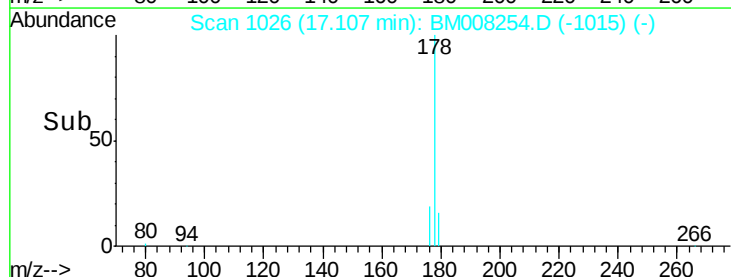
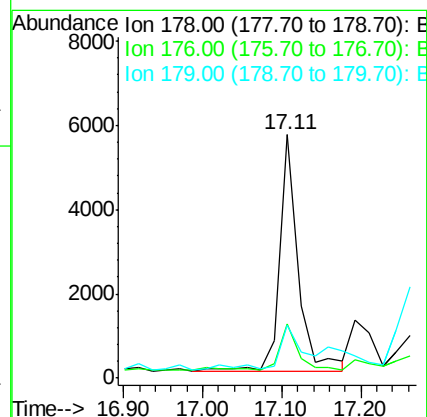
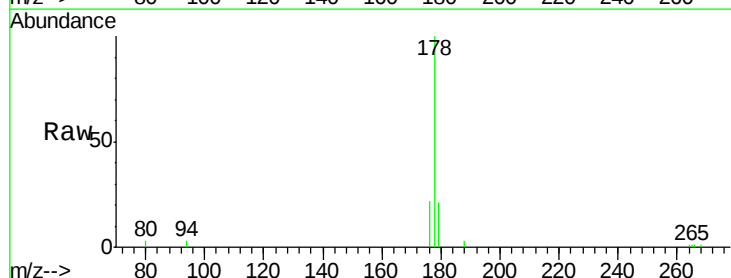
Tgt Ion:178 Resp: 9133

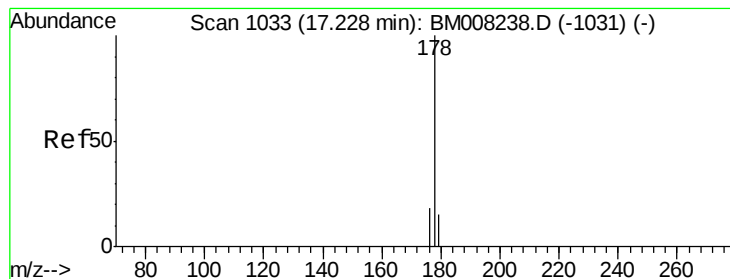
Ion Ratio Lower Upper

178 100

176 22.5 18.4 27.6

179 21.5 13.6 20.4#





#13

Anthracene

Concen: 0.96 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampleId :

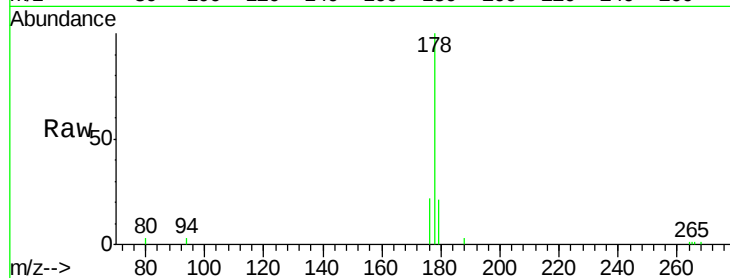
Tot Ion:178 Resp: 8665

Ion Ratio Lower Upper

178 100

176 22.5 18.1 27.1

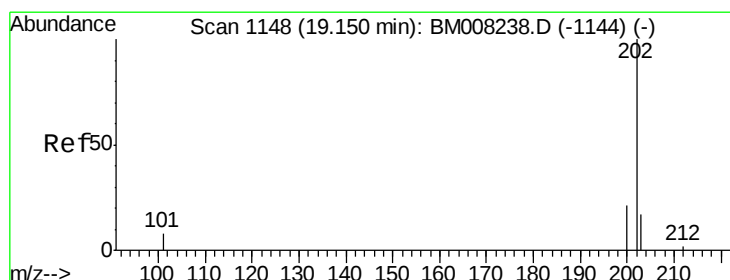
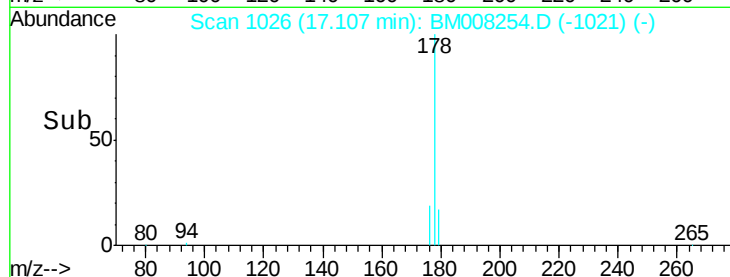
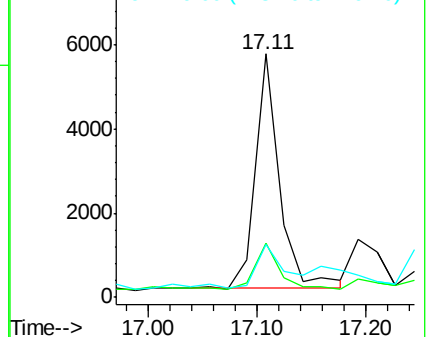
179 21.5 14.7 22.1



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

Fluoranthene

Concen: 0.16 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

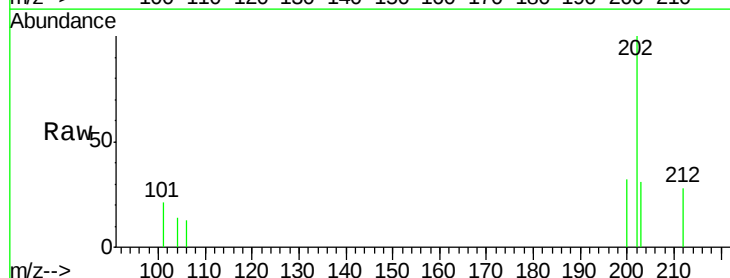
Tgt Ion:202 Resp: 1978

Ion Ratio Lower Upper

202 100

101 20.9 0.0 30.3

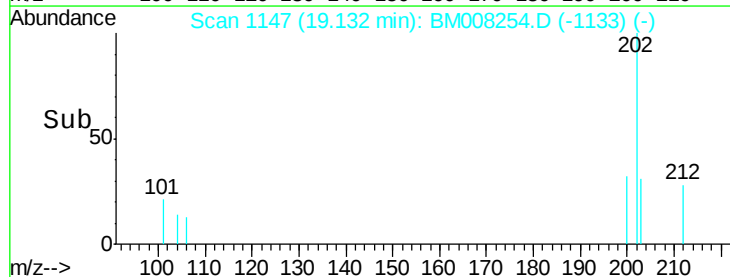
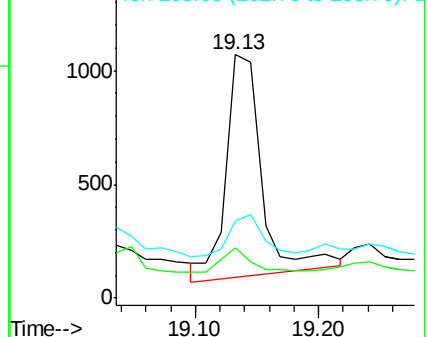
203 31.5 0.0 39.5

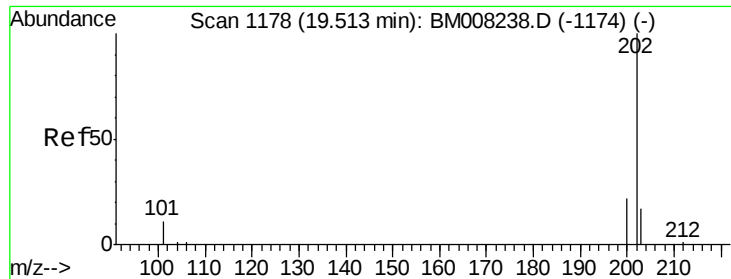


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

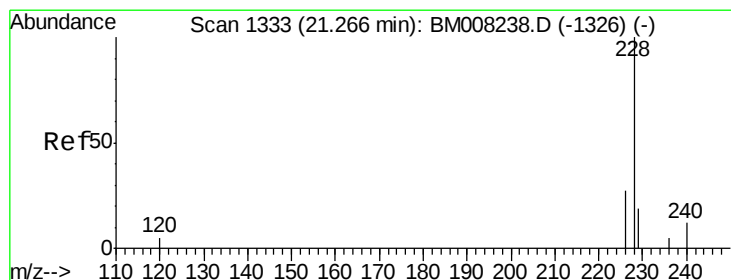
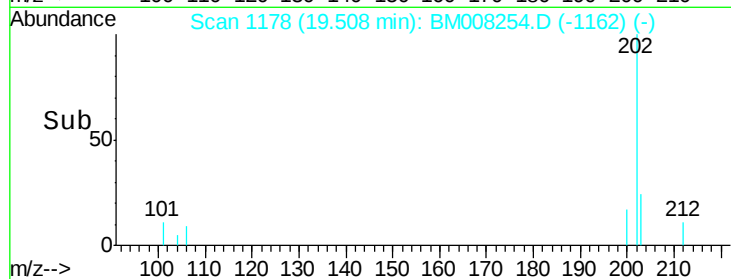
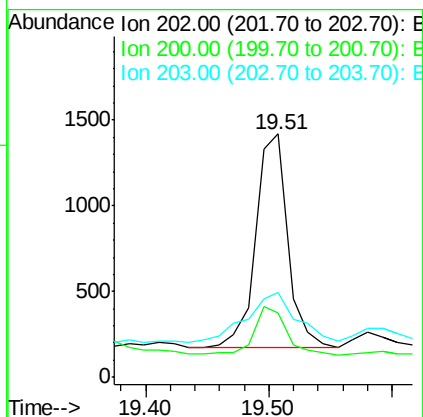
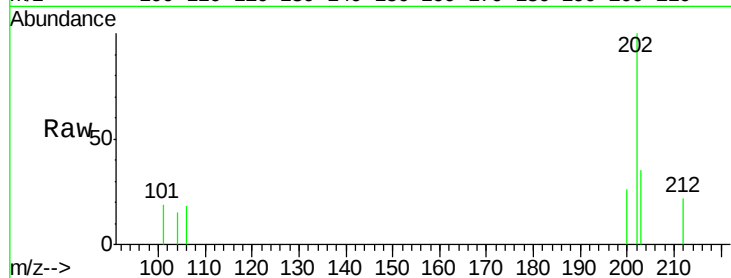




#17
Pvrene
Concen: 0.29 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM008254.D
Acq: 11 Dec 2016 04:16

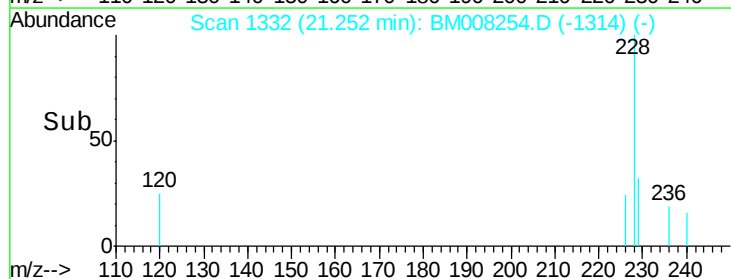
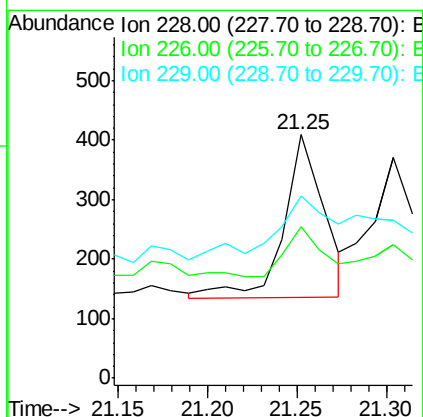
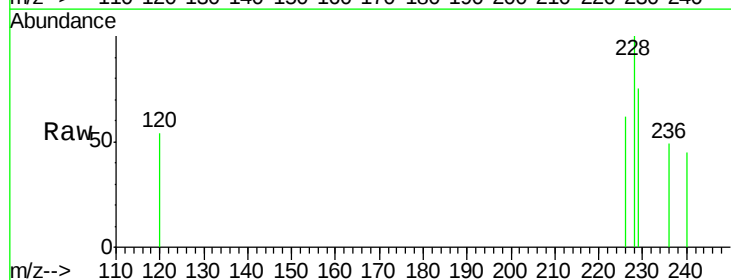
Instrument :
BNA_M
ClientSampleId :

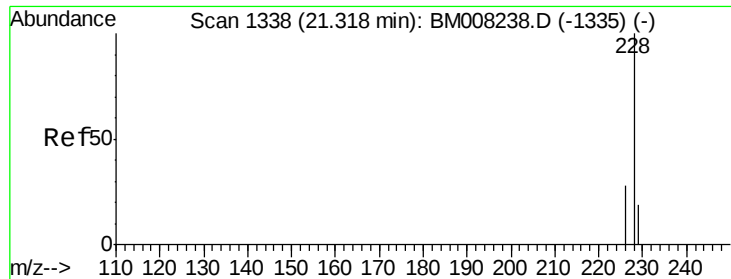
Tot Ion:202 Resp: 2289
Ion Ratio Lower Upper
202 100
200 26.5 18.2 27.4
203 34.7 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.25 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BM008254.D
Acq: 11 Dec 2016 04:16

Tgt Ion:228 Resp: 430
Ion Ratio Lower Upper
228 100
226 62.1 22.8 34.2#
229 74.8 17.0 25.6#





#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampleId :

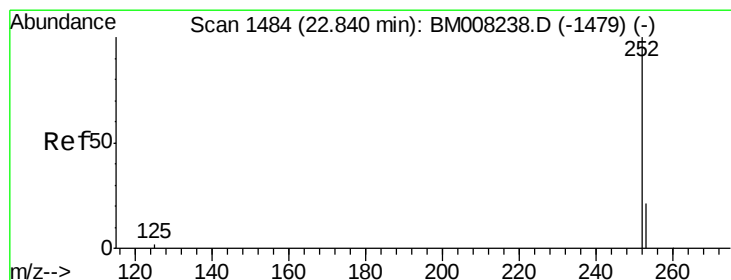
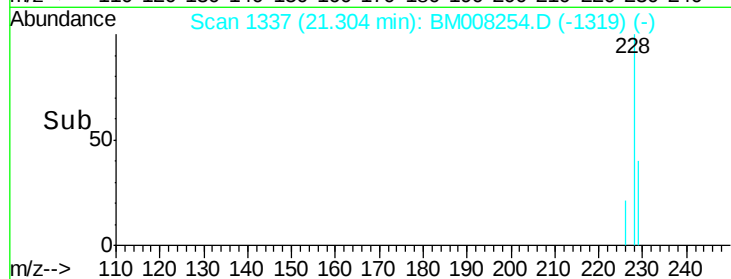
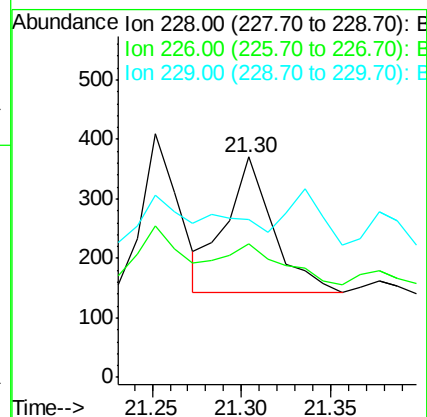
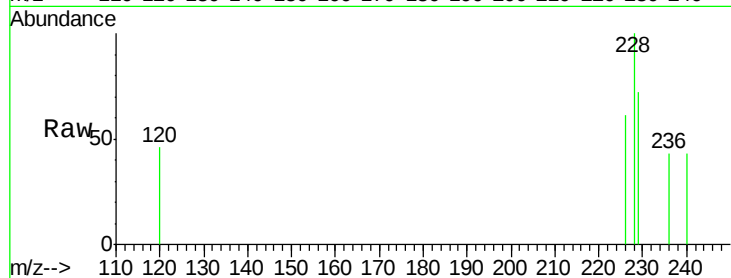
Tot Ion:228 Resp: 414

Ion Ratio Lower Upper

228 100

226 60.5 23.4 35.0#

229 71.6 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

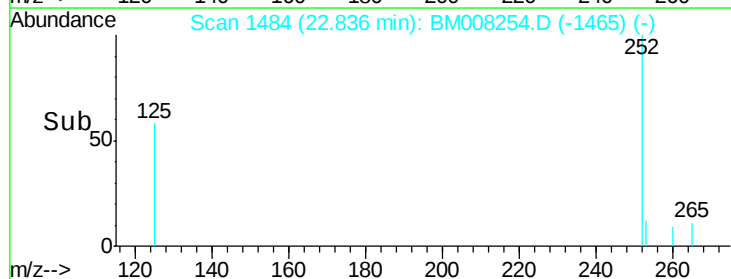
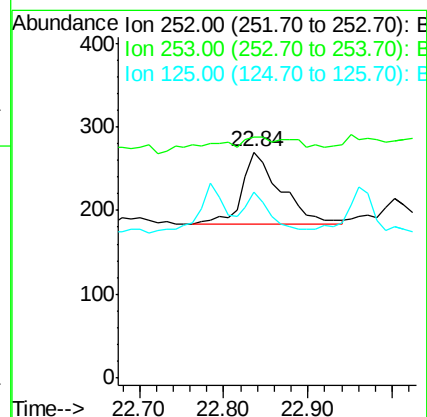
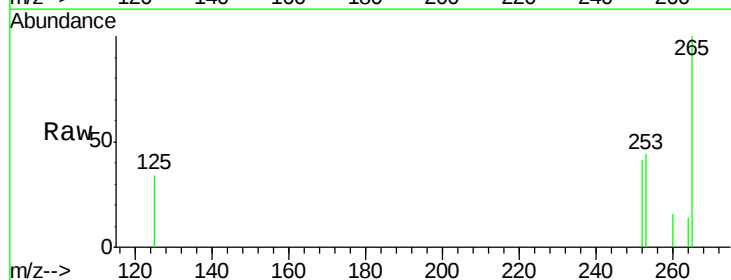
Tgt Ion:252 Resp: 271

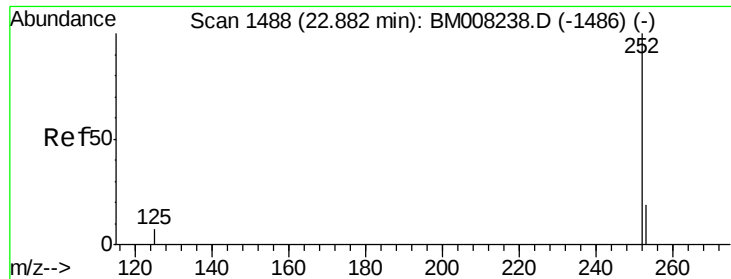
Ion Ratio Lower Upper

252 100

253 106.7 0.0 64.2#

125 82.2 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

Instrument :

BNA_M

ClientSampleId :

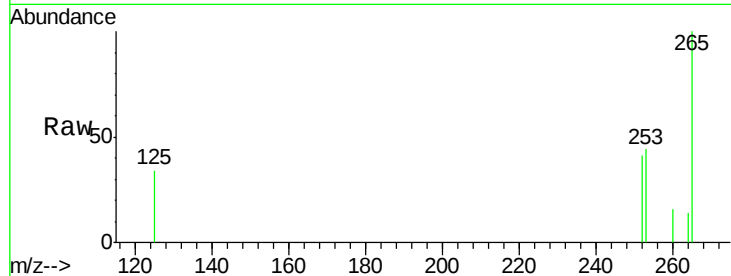
Tot Ion:252 Resp: 271

Ion Ratio Lower Upper

252 100

253 106.7 24.5 36.7#

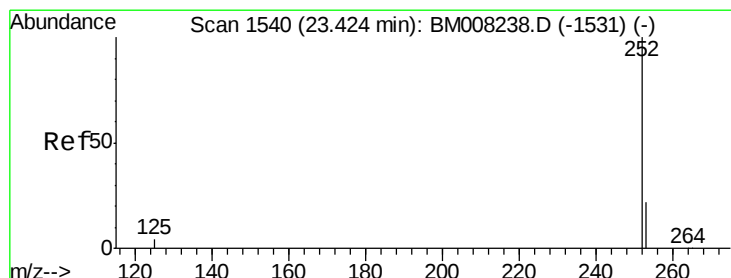
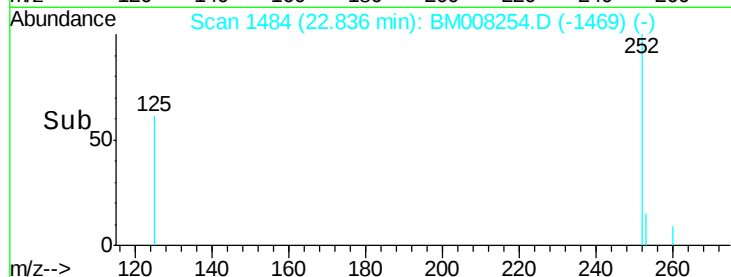
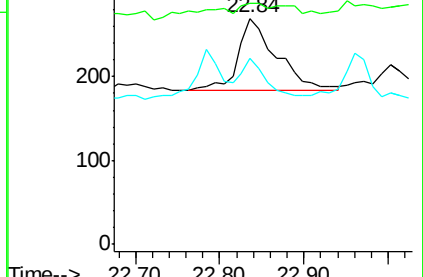
125 82.2 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008254.D

Acq: 11 Dec 2016 04:16

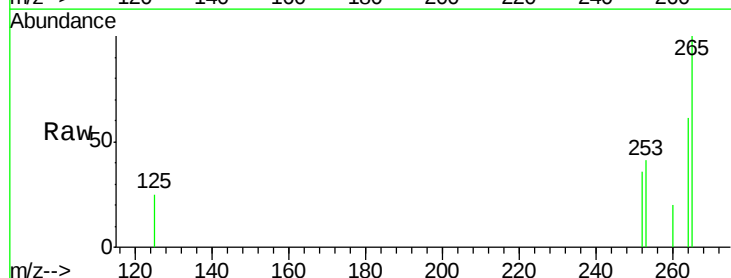
Tgt Ion:252 Resp: 168

Ion Ratio Lower Upper

252 100

253 113.9 28.5 42.7#

125 69.5 18.1 27.1#



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

