

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008247.D
 Acq On : 11 Dec 2016 00:05
 Operator : UM/SJ
 Sample : H5905-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:55:27 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	780	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2219	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	2859	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2237	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1957	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1904	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	1272	0.40	ng/ul	-0.03
14) Fluoranthene-d10	19.11	212	3236	0.51	ng/ul	-0.02

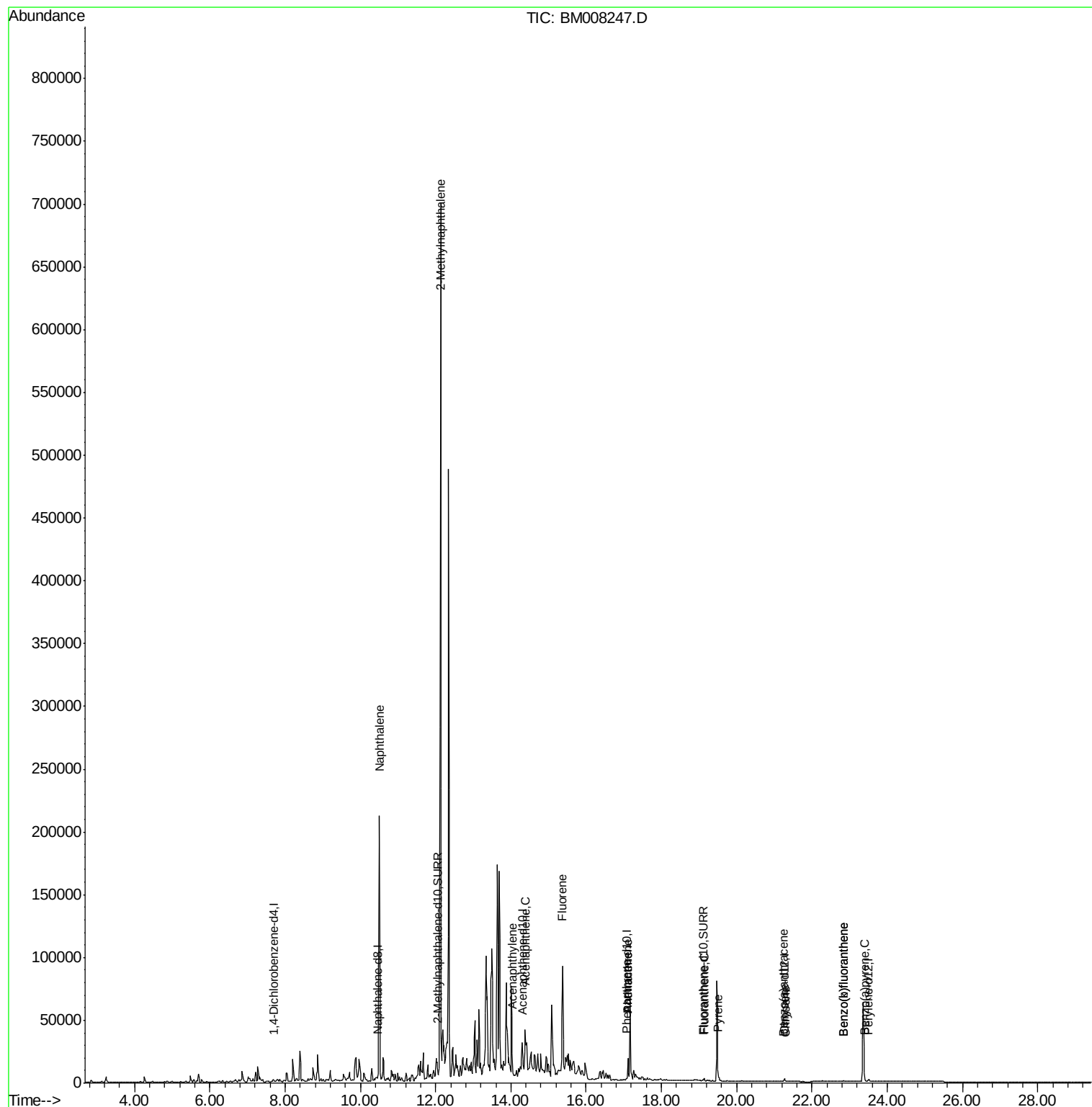
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	307233	49.51	ng/ul#	93
5) 2-Methylnaphthalene	12.13	142	513679	128.42	ng/ul	98
7) Acenaphthylene	14.04	152	9362	0.72	ng/ul#	4
8) Acenaphthene	14.38	153	26936	2.74	ng/ul	99
9) Fluorene	15.38	166	57195	5.06	ng/ul	86
12) Phenanthrene	17.11	178	21205	3.04	ng/ul#	96
13) Anthracene	17.11	178	20195	3.09	ng/ul	98
15) Fluoranthene	19.14	202	2716	0.30	ng/ul	72
17) Pyrene	19.51	202	3023	0.44	ng/ul#	81
18) Benzo(a)anthracene	21.25	228	492	0.08	ng/ul#	26
19) Chrysene	21.30	228	463	0.06	ng/ul#	26
21) Benzo(b)fluoranthene	22.84	252	380	0.05	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	380	0.05	ng/ul#	1
23) Benzo(a)pyrene	23.40	252	180	0.03	ng/ul#	1

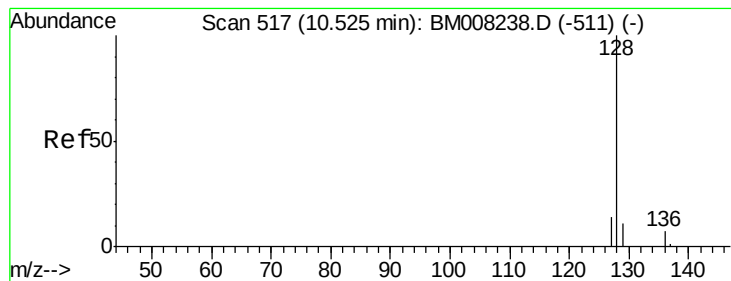
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 49.51 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

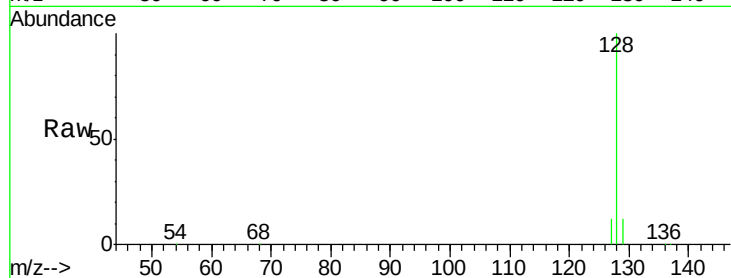
Tot Ion:128 Resp: 307233

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

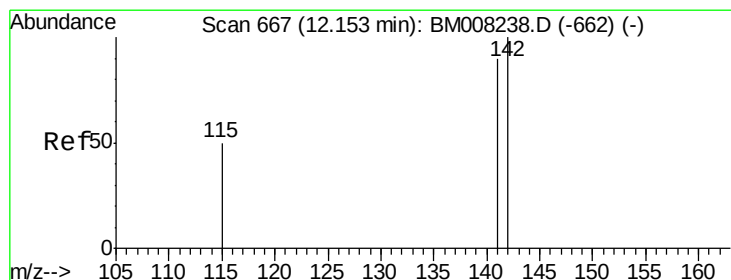
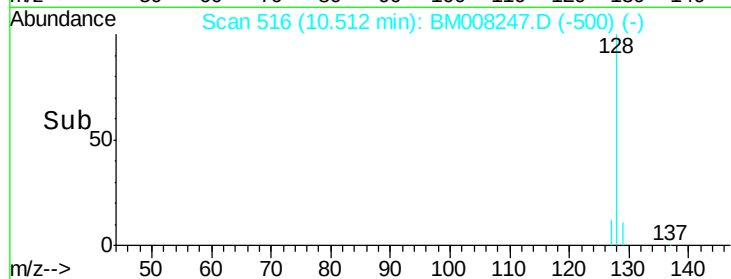
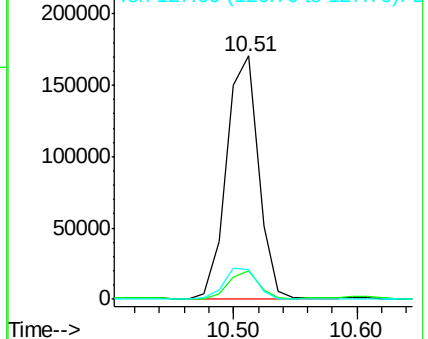
127 12.2 12.8 19.2#



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: 128.42 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008247.D

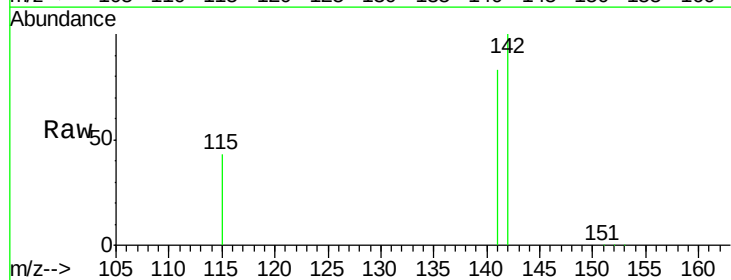
Acq: 11 Dec 2016 00:05

Tgt Ion:142 Resp: 513679

Ion Ratio Lower Upper

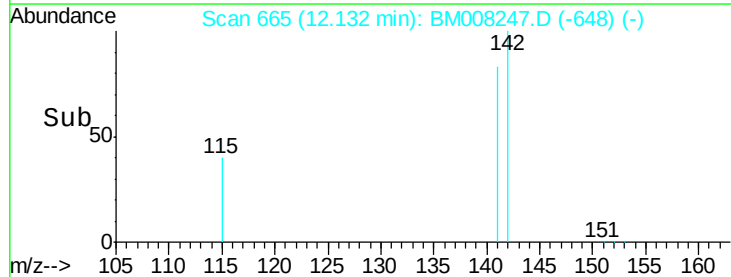
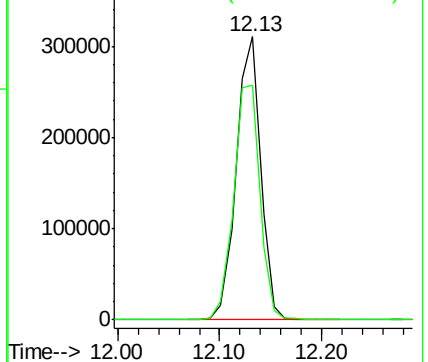
142 100

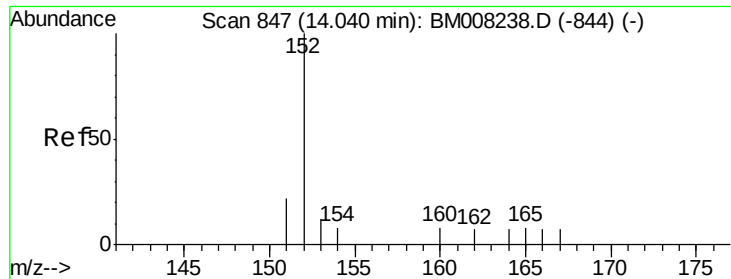
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.72 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

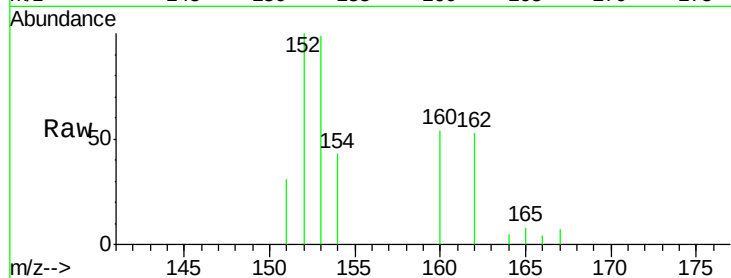
Tot Ion:152 Resp: 9362

Ion Ratio Lower Upper

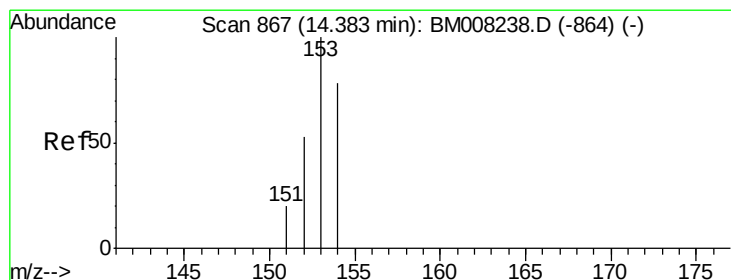
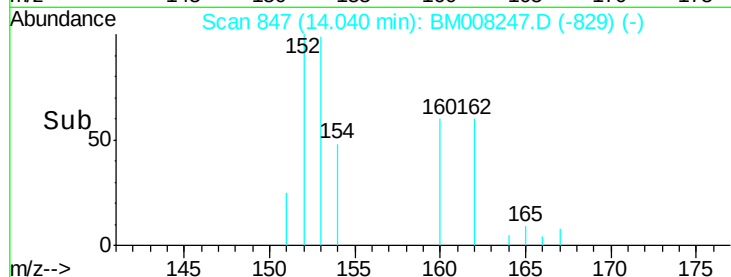
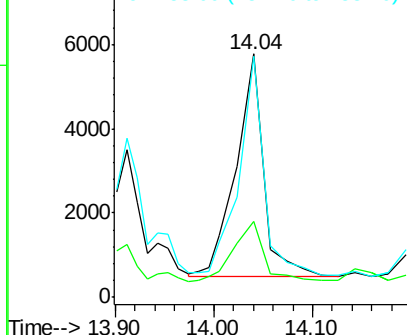
152 100

151 31.4 17.1 25.7#

153 99.1 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: 2.74 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

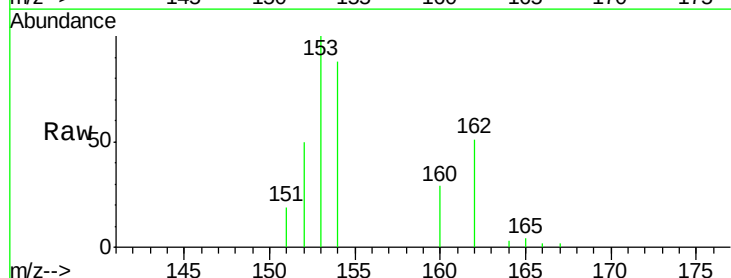
Tgt Ion:153 Resp: 26936

Ion Ratio Lower Upper

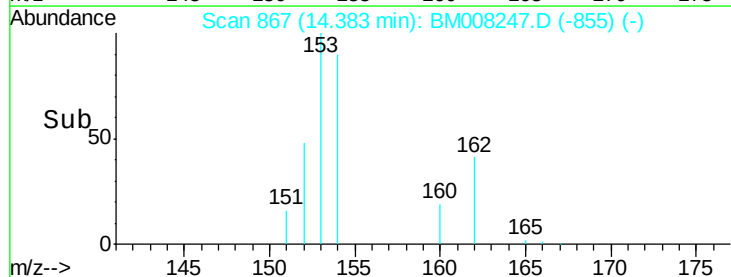
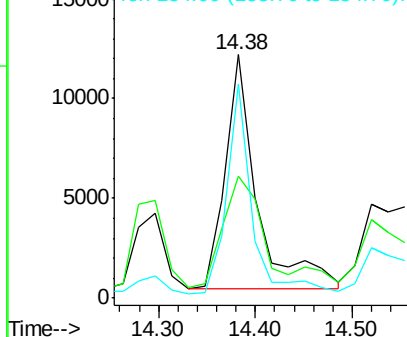
153 100

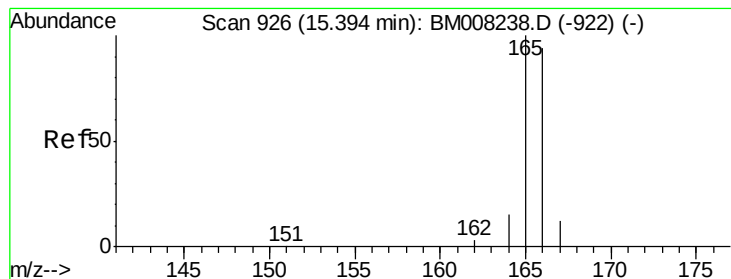
152 50.2 40.3 60.5

154 87.9 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: 5.06 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

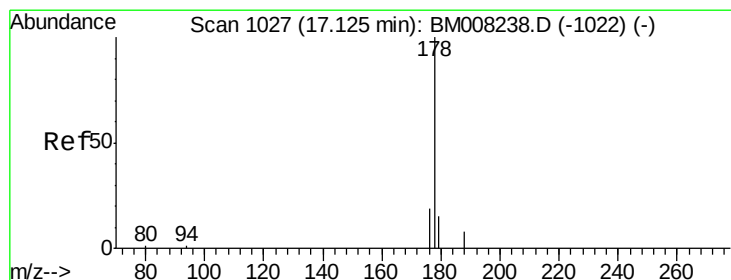
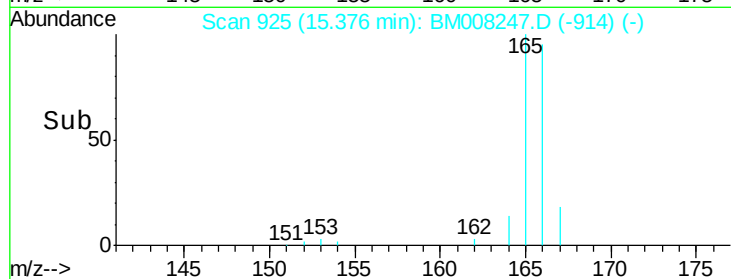
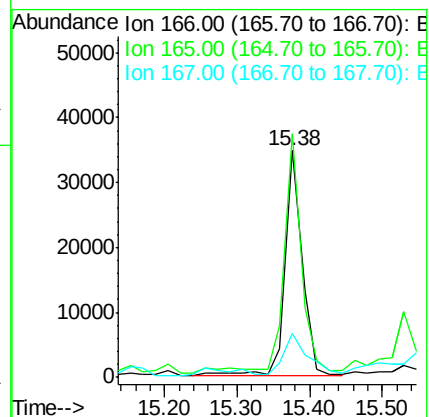
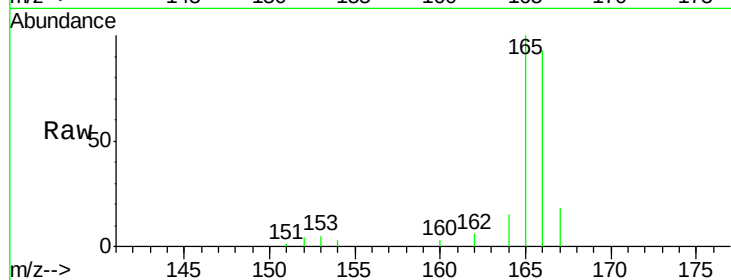
Tot Ion:166 Resp: 57195

Ion Ratio Lower Upper

166 100

165 107.3 73.4 110.2

167 19.6 14.6 22.0



#12

Phenanthrene

Concen: 3.04 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

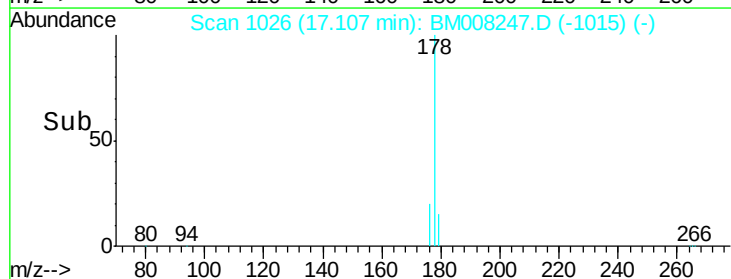
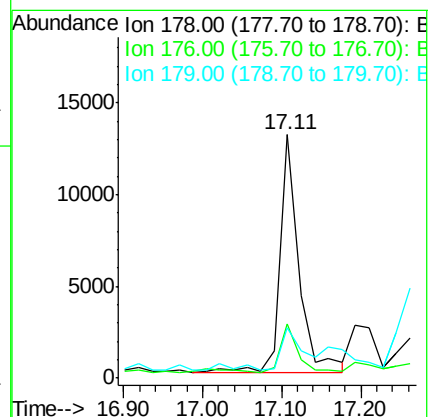
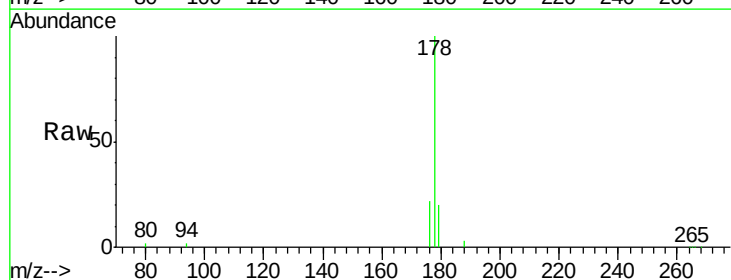
Tgt Ion:178 Resp: 21205

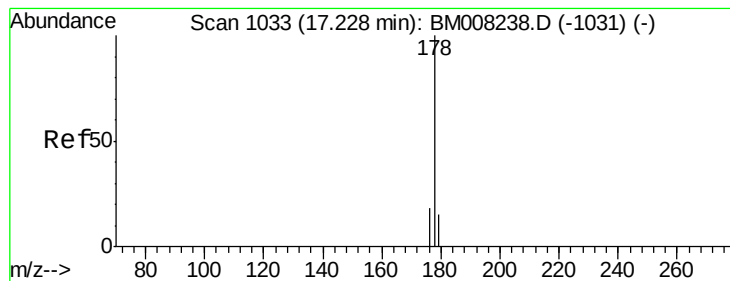
Ion Ratio Lower Upper

178 100

176 22.5 18.4 27.6

179 20.4 13.6 20.4#





#13

Anthracene

Concen: 3.09 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

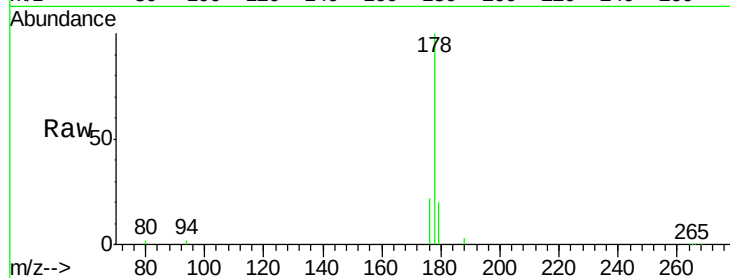
Tot Ion:178 Resp: 20195

Ion Ratio Lower Upper

178 100

176 22.5 18.1 27.1

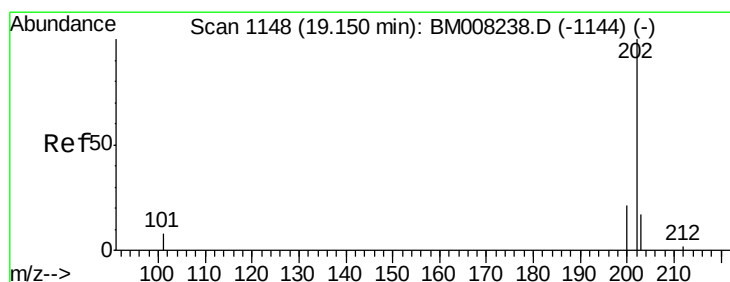
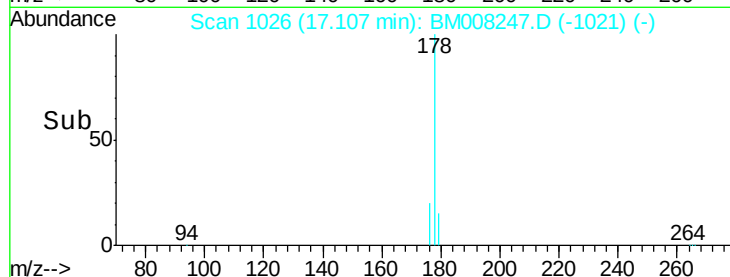
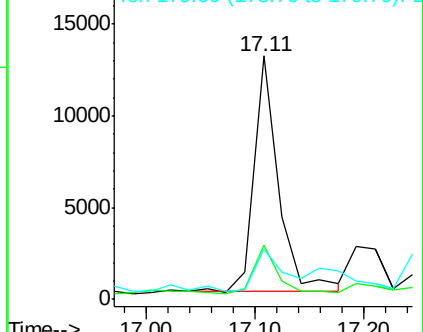
179 20.4 14.7 22.1



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: 0.30 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

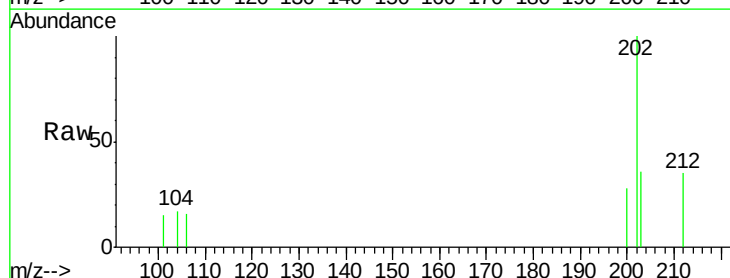
Tgt Ion:202 Resp: 2716

Ion Ratio Lower Upper

202 100

101 14.8 0.0 30.3

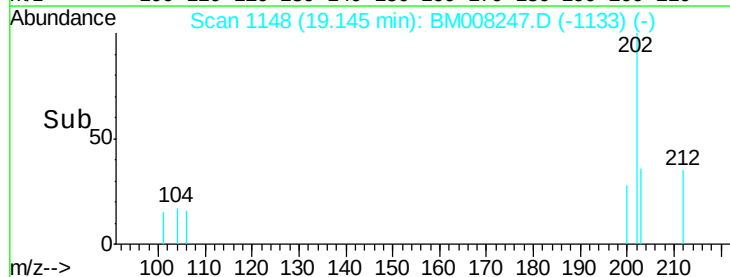
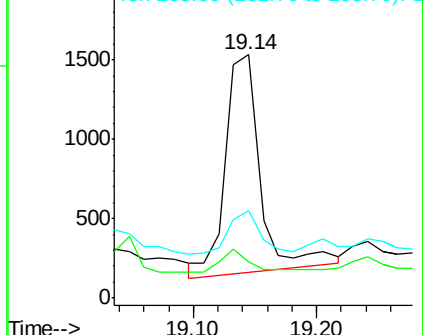
203 35.8 0.0 39.5

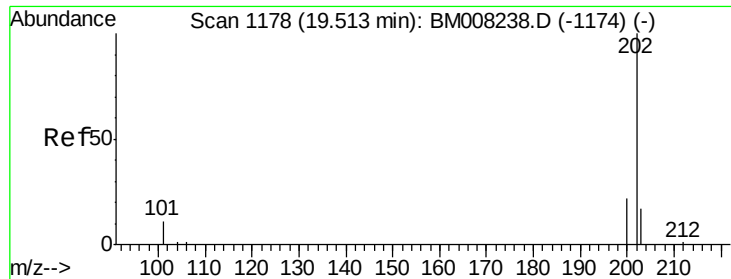


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

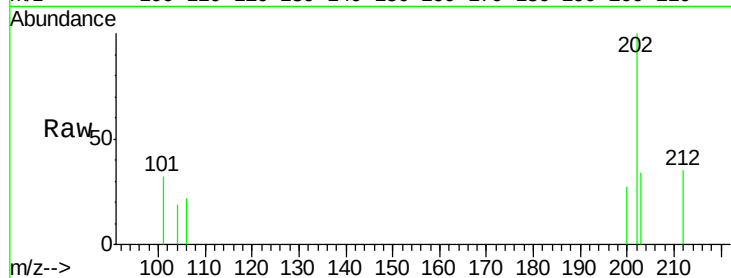




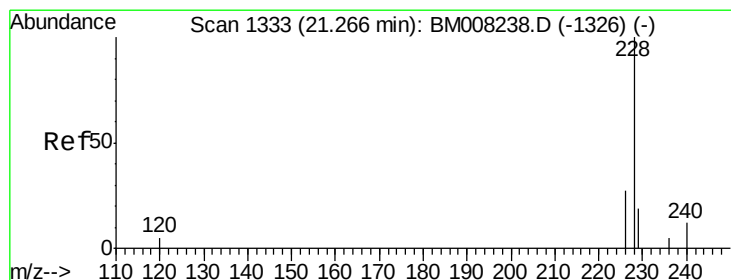
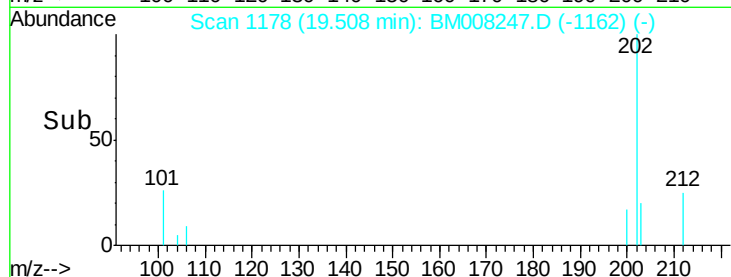
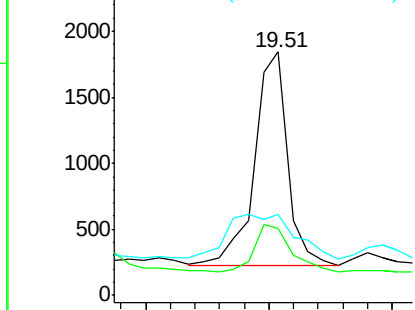
#17
 Pvrene
 Concen: 0.44 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BM008247.D
 Acq: 11 Dec 2016 00:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	27.3	18.2	27.4
203	33.5	15.6	23.4#

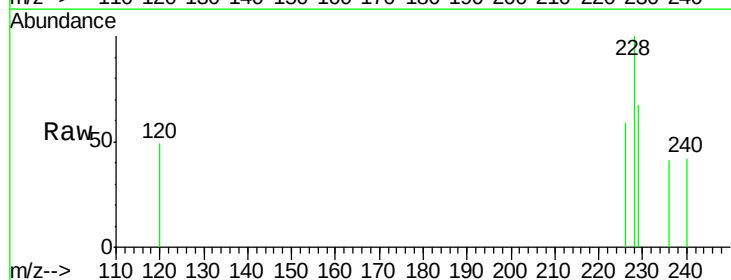


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

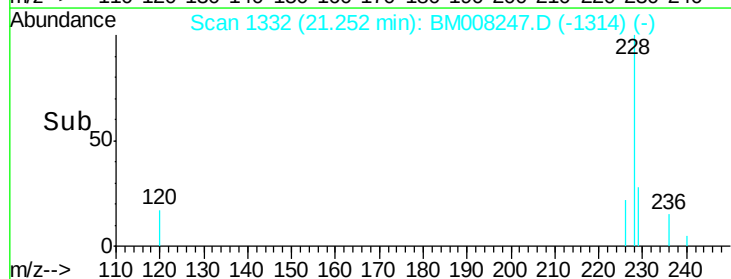
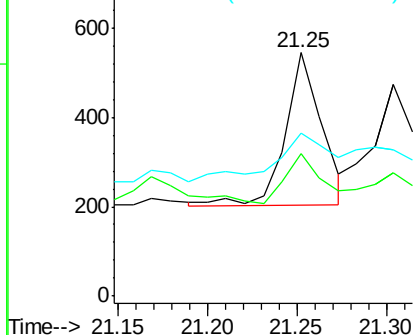


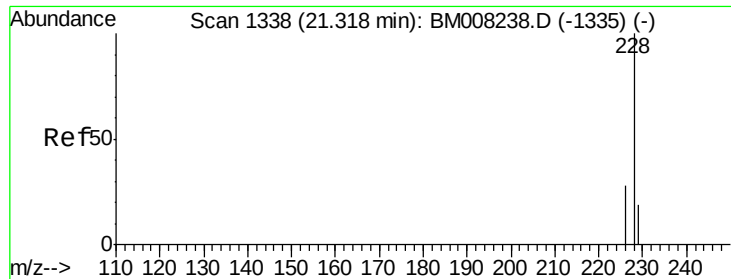
#18
 Benzo(a)anthracene
 Concen: 0.08 ng/ul
 RT: 21.25 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BM008247.D
 Acq: 11 Dec 2016 00:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	58.8	22.8	34.2#
229	67.1	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





#19

Chrysene

Concen: 0.06 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

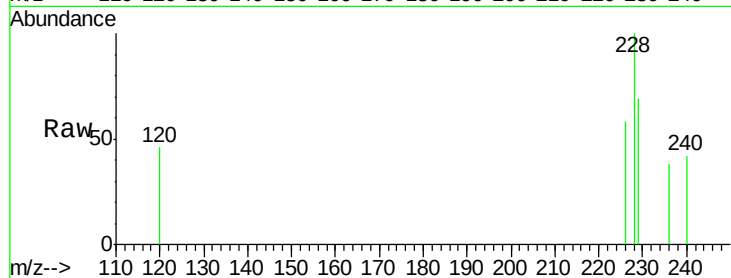
Tot Ion:228 Resp: 463

Ion Ratio Lower Upper

228 100

226 58.4 23.4 35.0#

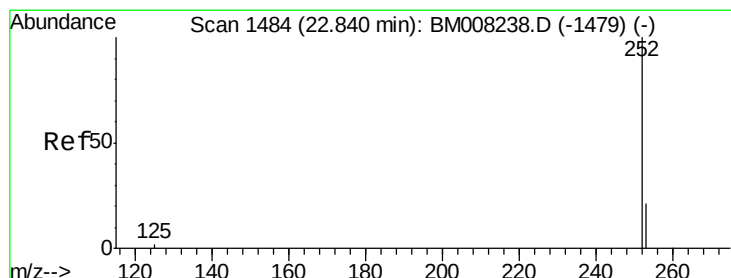
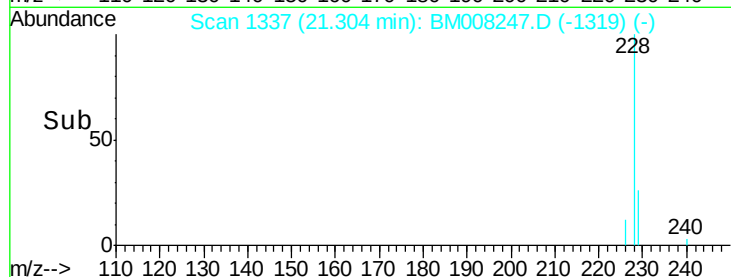
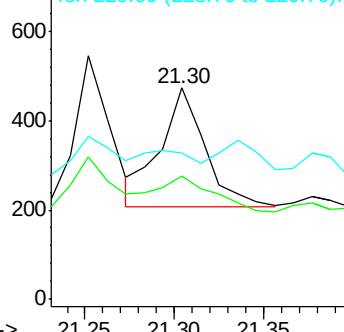
229 69.3 17.7 26.5#



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

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

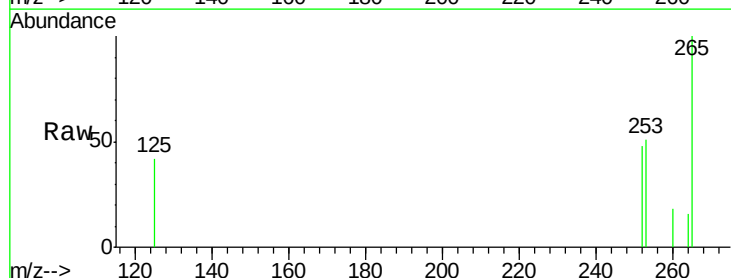
Tgt Ion:252 Resp: 380

Ion Ratio Lower Upper

252 100

253 107.3 0.0 64.2#

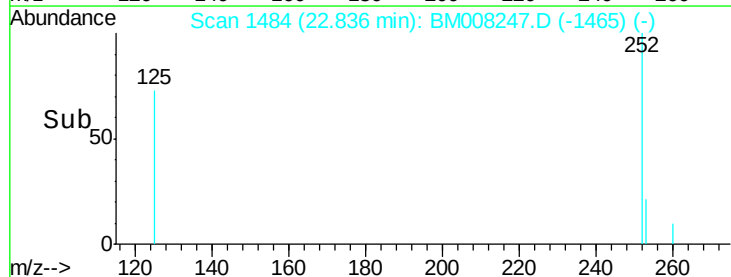
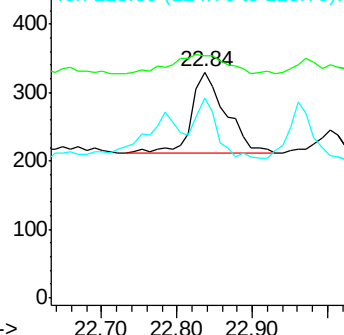
125 88.8 0.0 35.0#

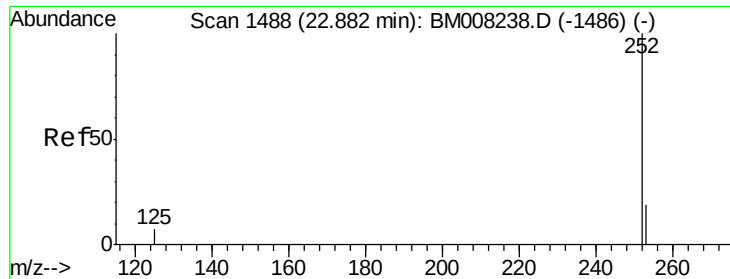


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

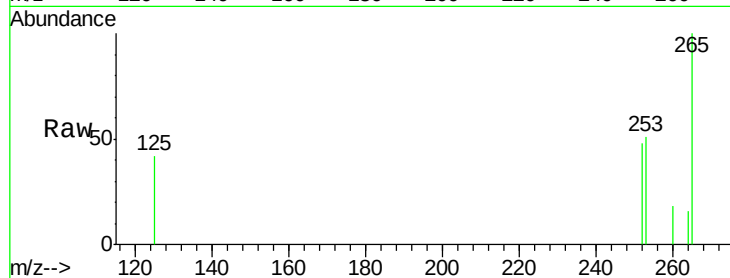
Tot Ion:252 Resp: 380

Ion Ratio Lower Upper

252 100

253 107.3 24.5 36.7#

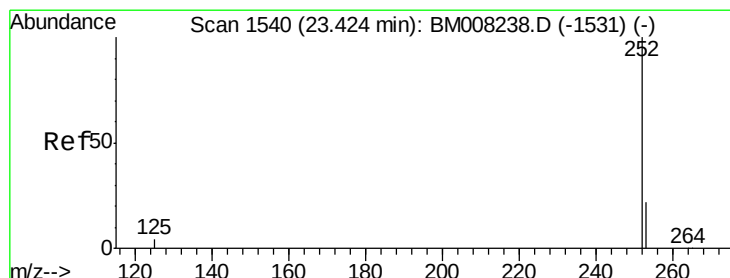
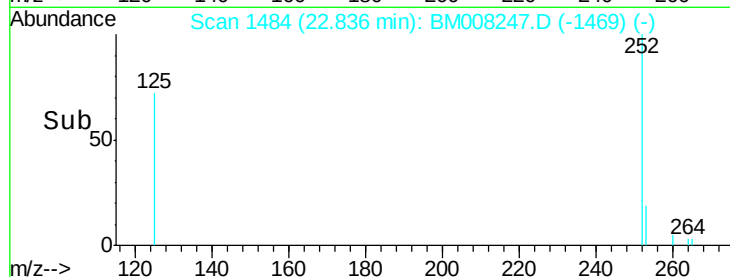
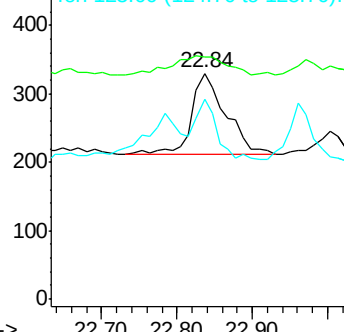
125 88.8 13.7 20.5#



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: 0.03 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008247.D

Acq: 11 Dec 2016 00:05

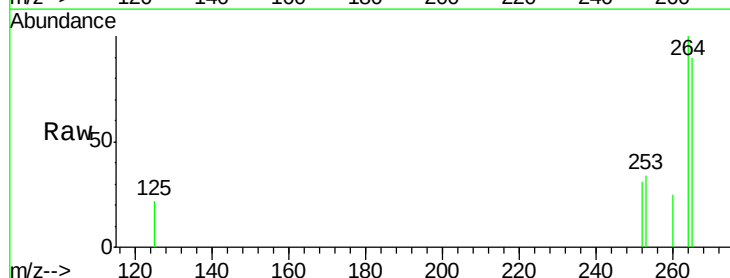
Tgt Ion:252 Resp: 180

Ion Ratio Lower Upper

252 100

253 109.5 28.5 42.7#

125 70.2 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

