

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008570.D
 Acq On : 22 Dec 2016 23:52
 Operator : UM/SJ
 Sample : H5970-11DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA850DL

Quant Time: Dec 23 04:17:49 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 04:12:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	652	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.42	136	2236	0.40	ng/ul	-0.05
6) Acenaphthene-d10	14.19	164	116	0.40	ng/ul	-0.10
10) Phenanthrene-d10	16.99	188	4446	0.40	ng/ul	-0.09
16) Chrysene-d12	21.15	240	91	0.40	ng/ul	-0.12
20) Perylene-d12	23.34	264	31479	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	320	0.09	ng/ul	-0.06
14) Fluoranthene-d10	19.06	212	3973	0.32	ng/ul	-0.04

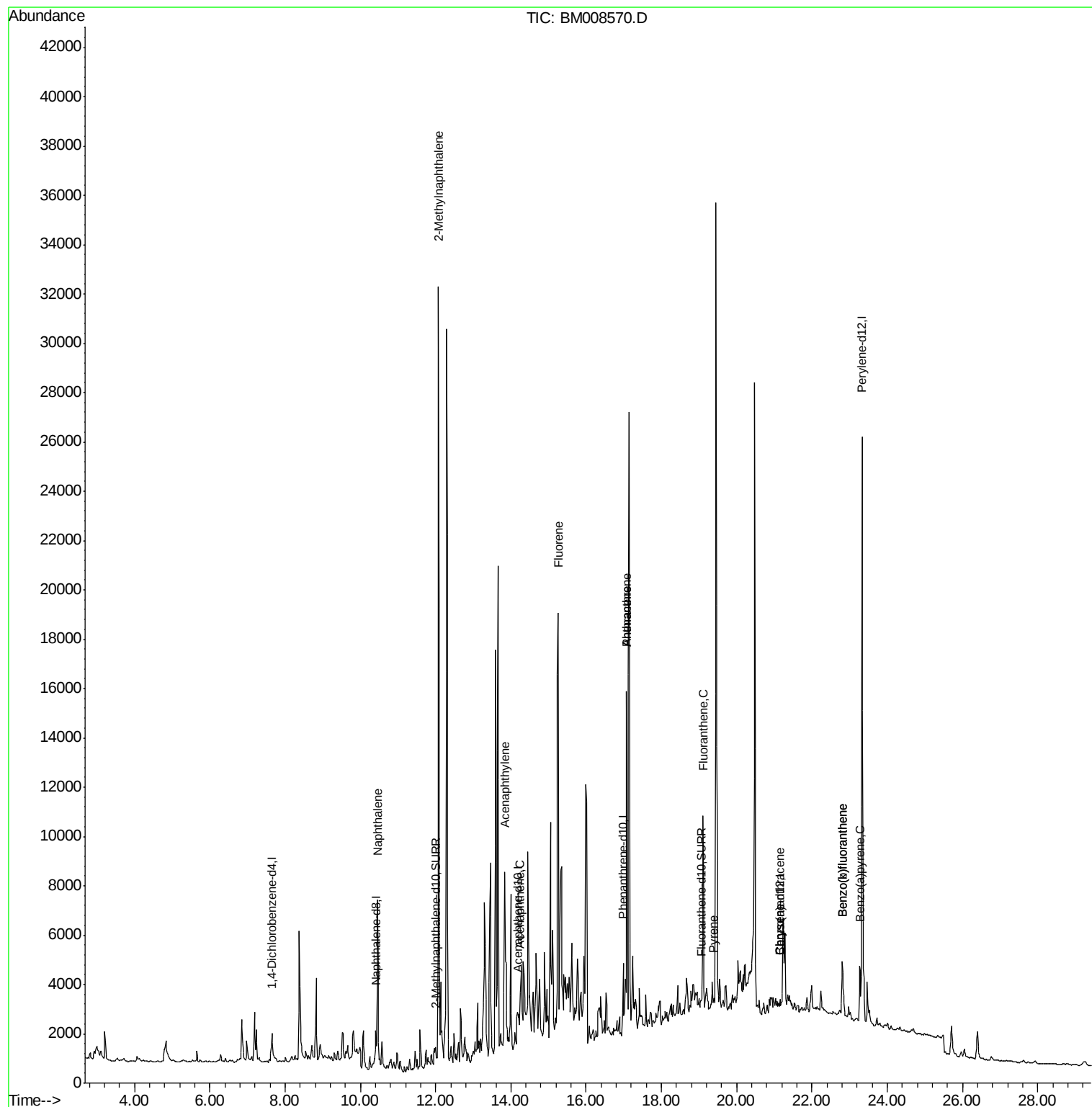
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	9772	1.55	ng/ul	98
5) 2-Methylnaphthalene	12.08	142	22001	5.20	ng/ul	100
7) Acenaphthylene	13.84	152	1536	2.93	ng/ul#	1
8) Acenaphthene	14.25	153	911	2.31	ng/ul#	19
9) Fluorene	15.26	166	511	1.13	ng/ul#	1
12) Phenanthrene	17.07	178	16110	1.19	ng/ul	99
13) Anthracene	17.07	178	16110	1.22	ng/ul	99
15) Fluoranthene	19.11	202	7082	0.43	ng/ul	86
17) Pyrene	19.39	202	363	1.03	ng/ul#	1
18) Benzo(a)anthracene	21.15	228	174	0.58	ng/ul#	1
19) Chrysene	21.15	228	174	0.53	ng/ul#	1
21) Benzo(b)fluoranthene	22.80	252	3227	0.03	ng/ul	71
22) Benzo(k)fluoranthene	22.80	252	4439	0.04	ng/ul#	69
23) Benzo(a)pyrene	23.27	252	2820	0.02	ng/ul#	67

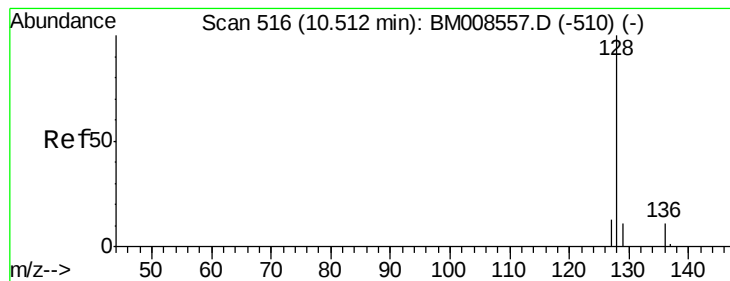
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.55 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.05 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

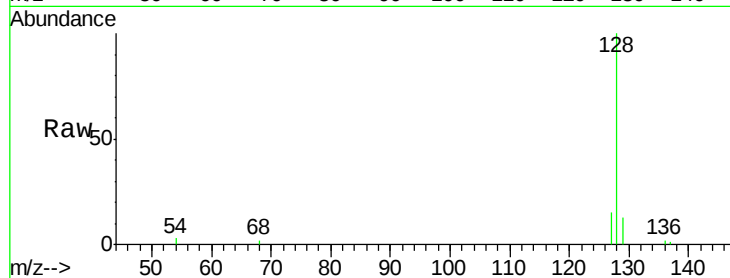
Tgt Ion:128 Resp: 9772

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

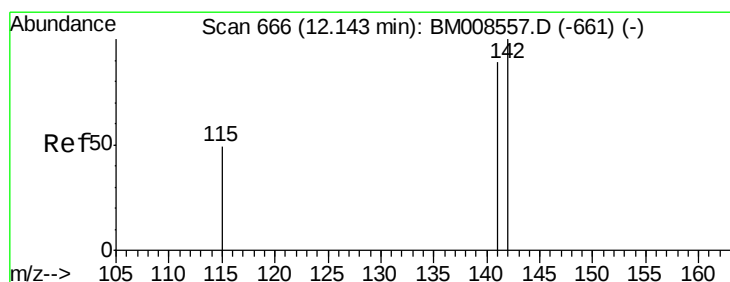
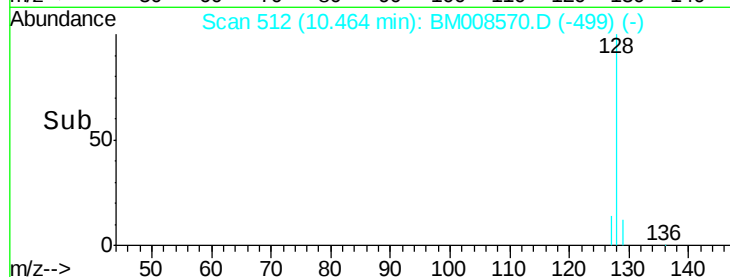
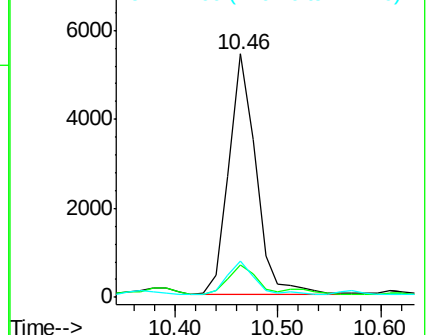
127 14.7 12.8 19.2



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: 5.20 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.06 min

Lab File: BM008570.D

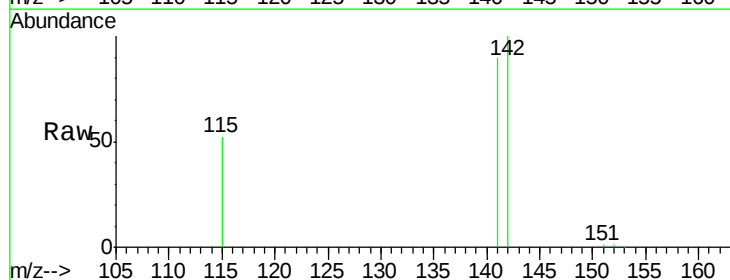
Acq: 22 Dec 2016 23:52

Tgt Ion:142 Resp: 22001

Ion Ratio Lower Upper

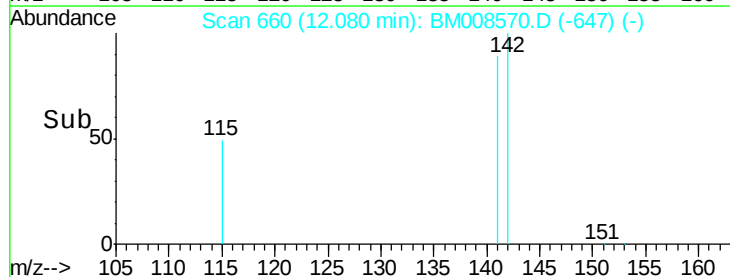
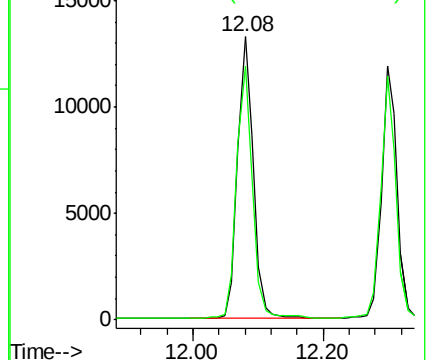
142 100

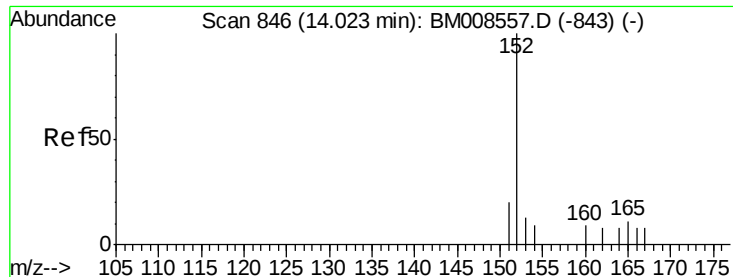
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.93 ng/ul

RT: 13.84 min Scan# 829

Delta R.T. -0.18 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

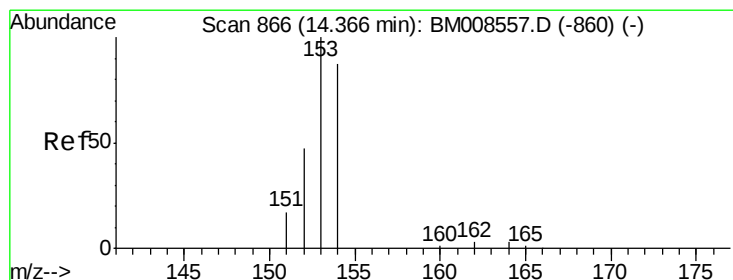
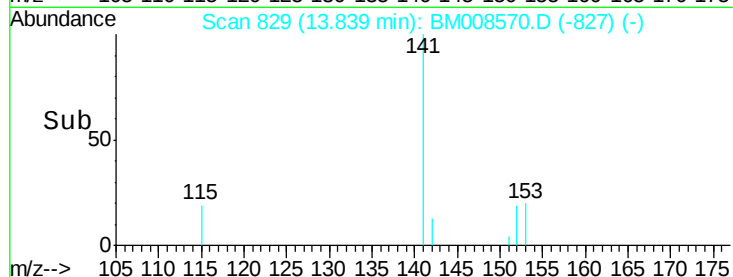
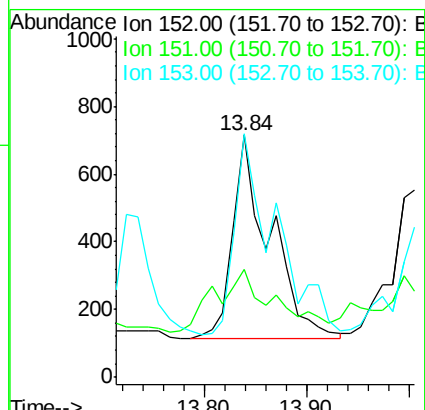
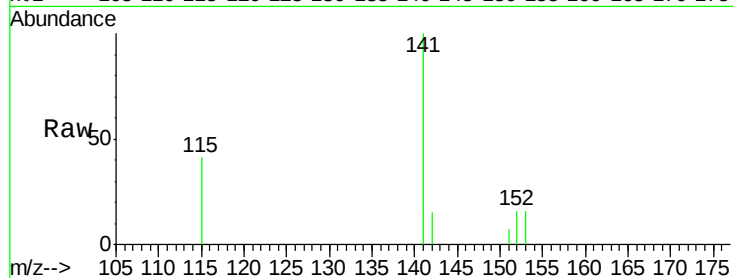
Tgt Ion:152 Resp: 1536

Ion Ratio Lower Upper

152 100

151 44.3 17.1 25.7#

153 100.6 12.8 19.2#



#8

Acenaphthene

Concen: 2.31 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. -0.12 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

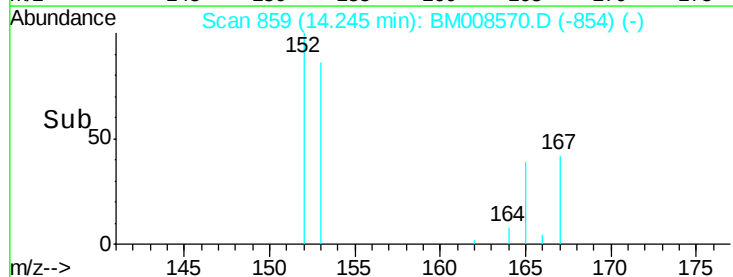
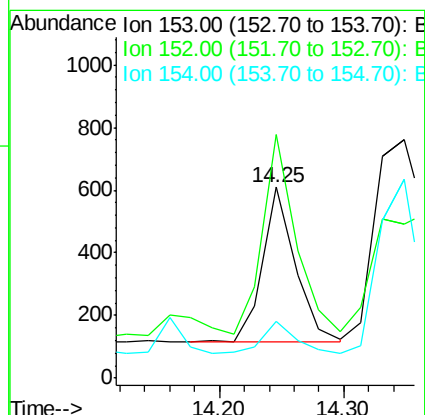
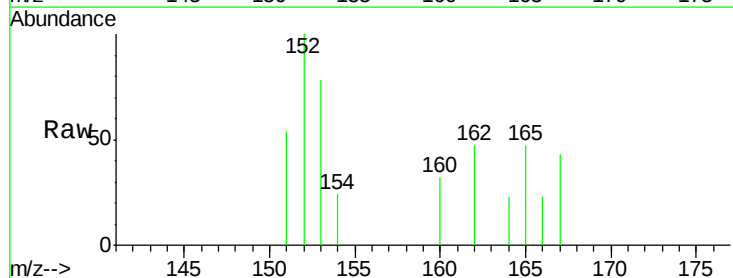
Tgt Ion:153 Resp: 911

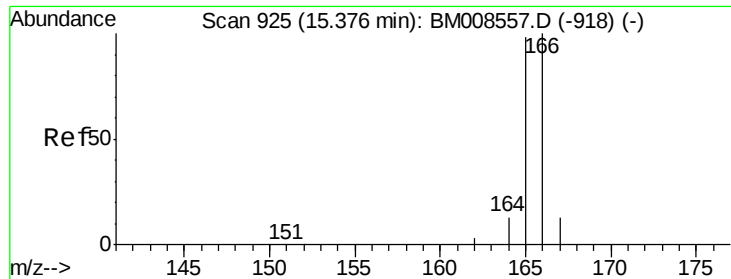
Ion Ratio Lower Upper

153 100

152 127.6 40.3 60.5#

154 30.0 71.4 107.2#

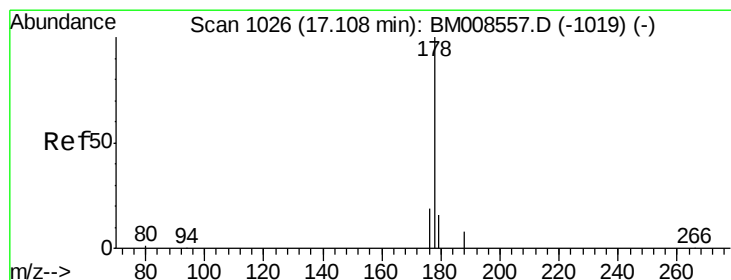
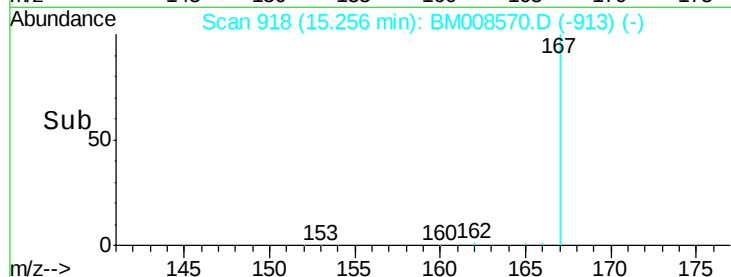
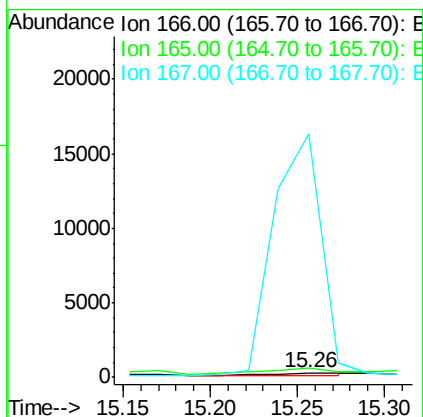
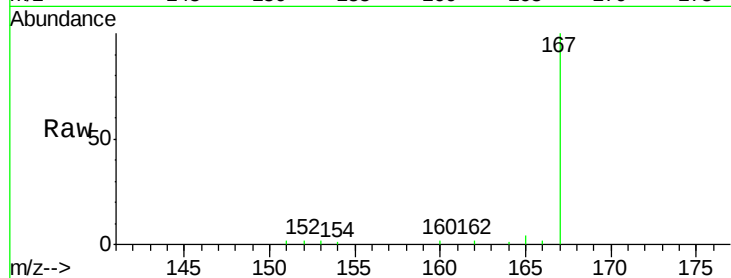




#9
Fluorene
 Concen: 1.13 ng/ul
 RT: 15.26 min Scan# 918
 Delta R.T. -0.12 min
 Lab File: BM008570.D
 Acq: 22 Dec 2016 23:52

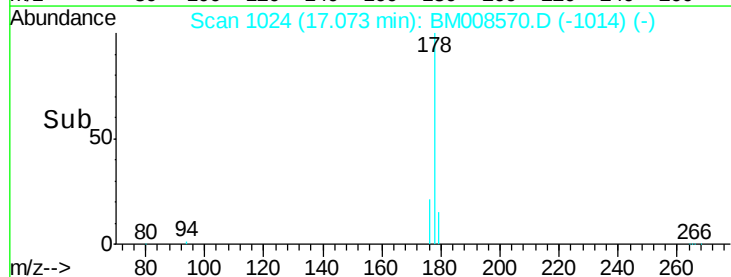
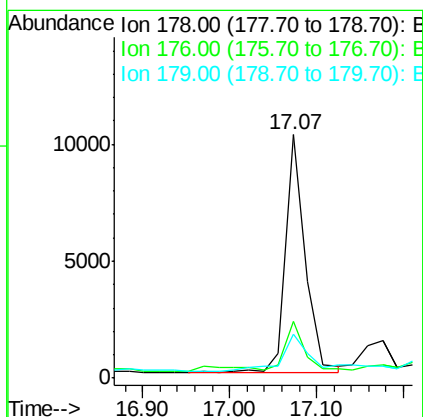
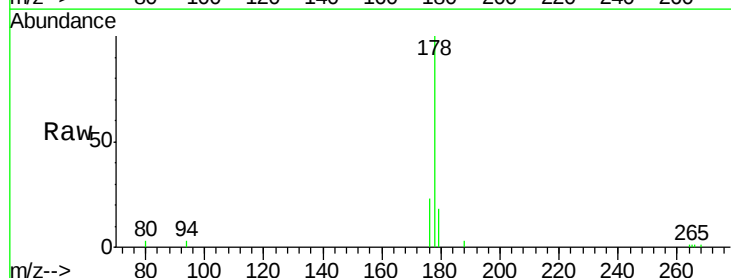
Instrument :
 BNA_M
 ClientSampleId :
 DA850DL

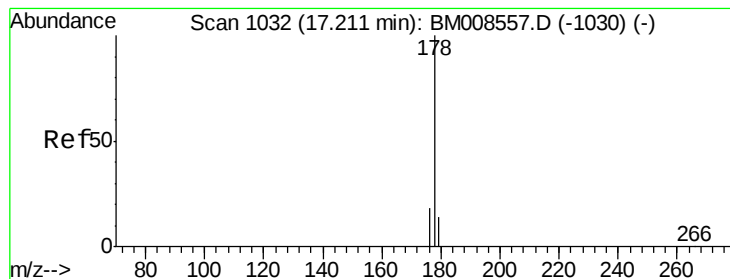
Tgt Ion:166 Resp: 511
 Ion Ratio Lower Upper
 166 100
 165 207.0 73.4 110.2#
 167 5408.3 14.6 22.0#



#12
Phenanthrene
 Concen: 1.19 ng/ul
 RT: 17.07 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BM008570.D
 Acq: 22 Dec 2016 23:52

Tgt Ion:178 Resp: 16110
 Ion Ratio Lower Upper
 178 100
 176 23.1 18.4 27.6
 179 17.9 13.6 20.4





#13

Anthracene

Concen: 1.22 ng/u1

RT: 17.07 min Scan# 1024

Delta R.T. -0.14 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

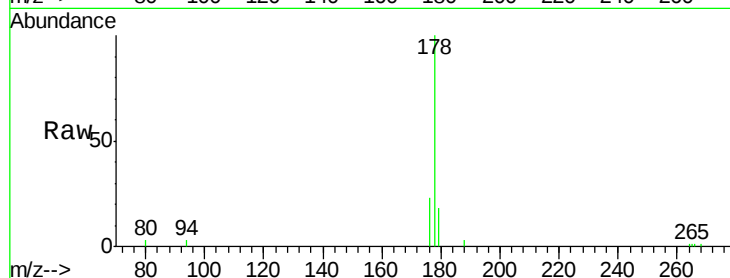
Tgt Ion:178 Resp: 16110

Ion Ratio Lower Upper

178 100

176 23.1 18.1 27.1

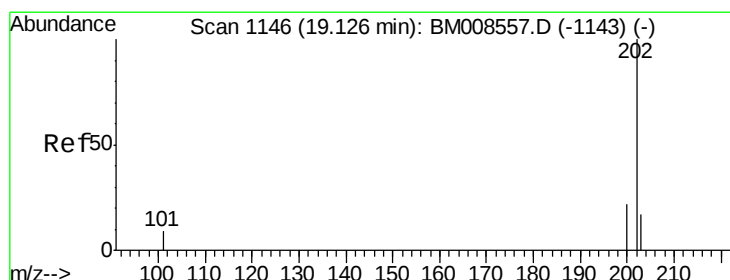
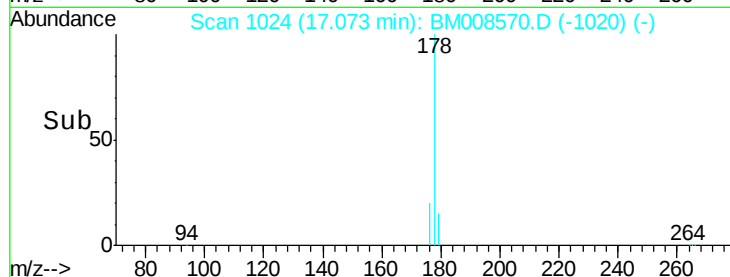
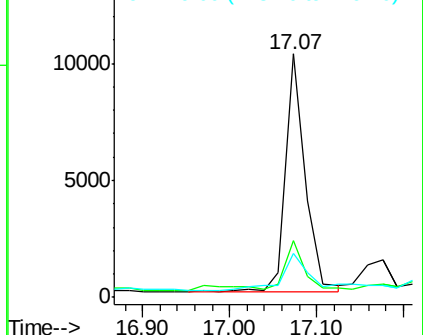
179 17.9 14.7 22.1



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: 0.43 ng/u1

RT: 19.11 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

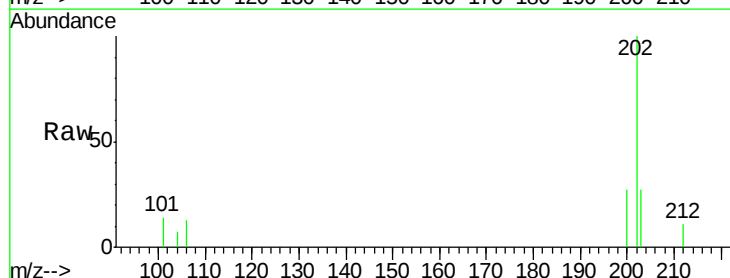
Tgt Ion:202 Resp: 7082

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

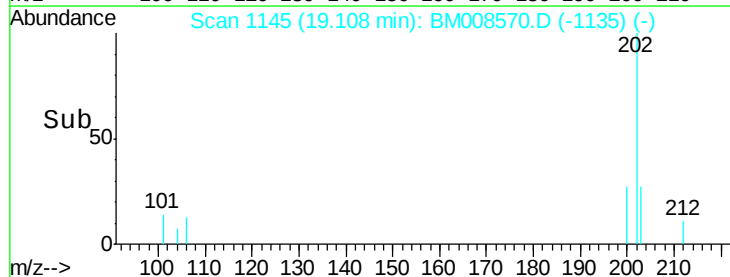
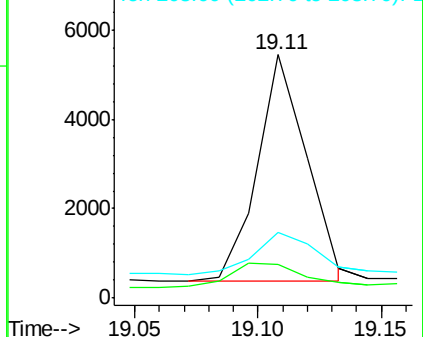
203 27.0 0.0 39.5

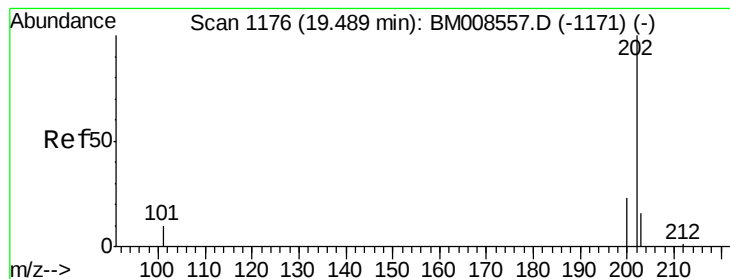


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 1.03 ng/ul

RT: 19.39 min Scan# 1168

Delta R.T. -0.10 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

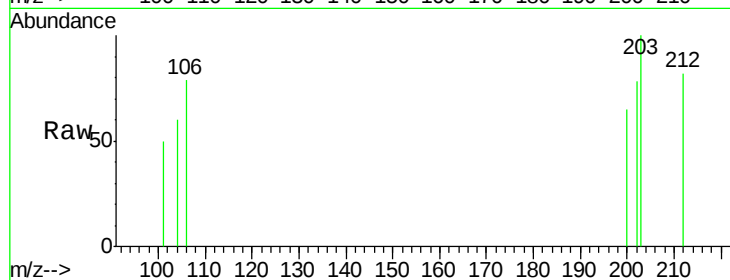
Tgt Ion:202 Resp: 363

Ion Ratio Lower Upper

202 100

200 83.4 18.2 27.4#

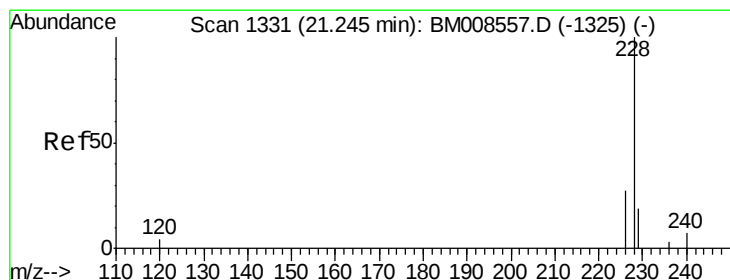
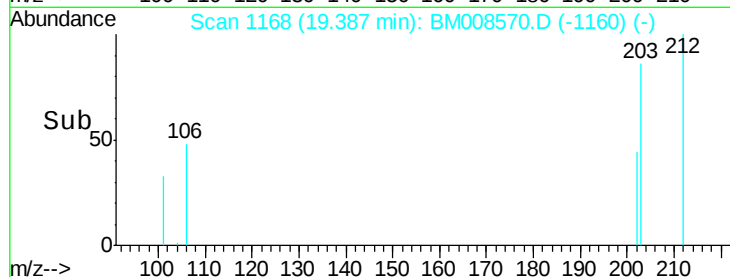
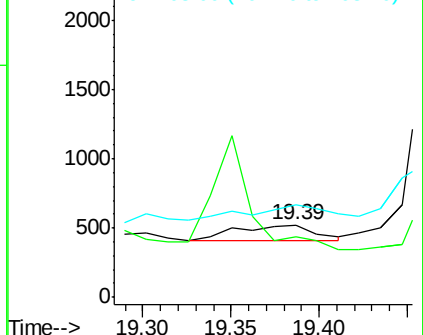
203 127.7 15.6 23.4#



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: 0.58 ng/ul

RT: 21.15 min Scan# 1322

Delta R.T. -0.10 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

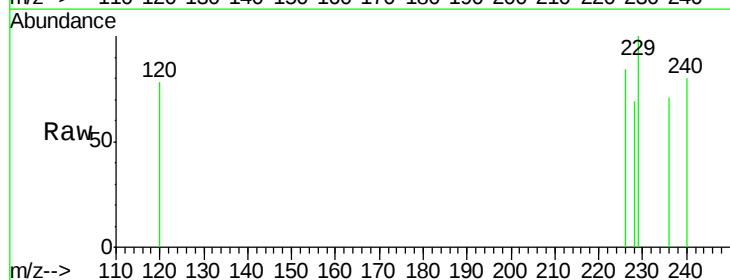
Tgt Ion:228 Resp: 174

Ion Ratio Lower Upper

228 100

226 122.9 22.8 34.2#

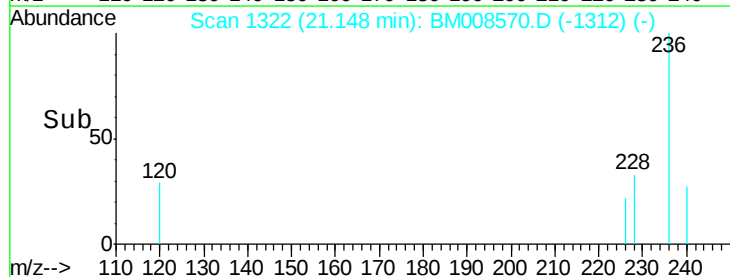
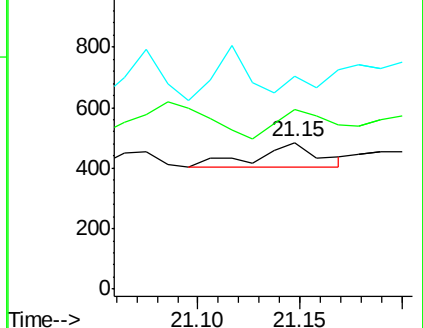
229 145.6 17.0 25.6#

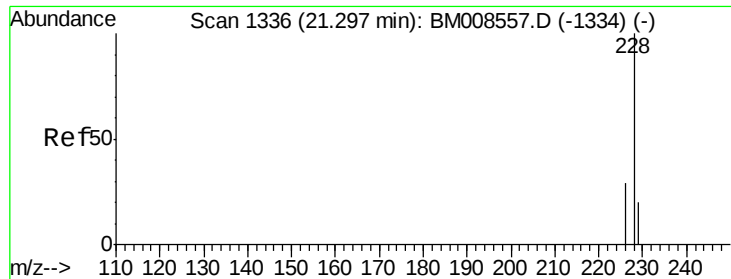


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.53 ng/ul

RT: 21.15 min Scan# 1322

Delta R.T. -0.15 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

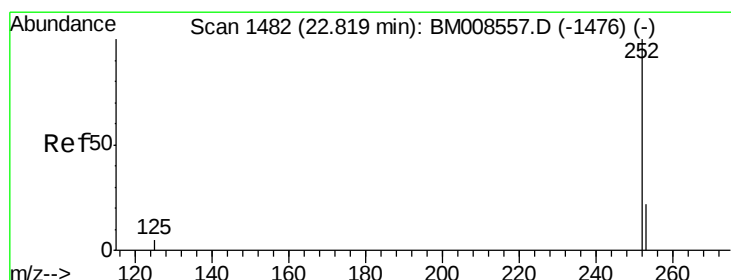
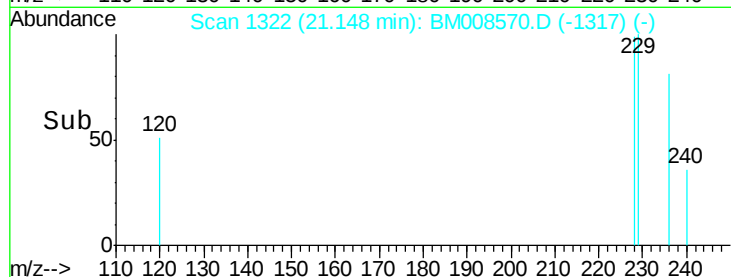
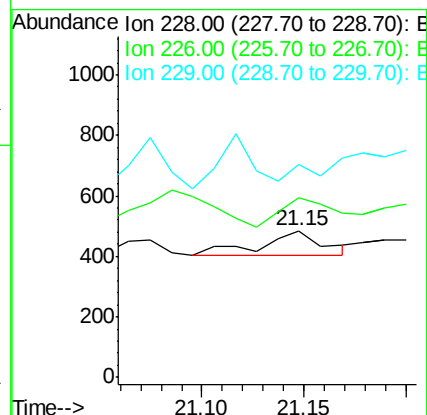
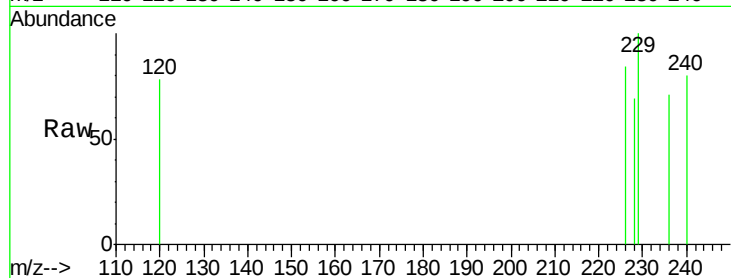
Tgt Ion:228 Resp: 174

Ion Ratio Lower Upper

228 100

226 122.9 23.4 35.0#

229 145.6 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

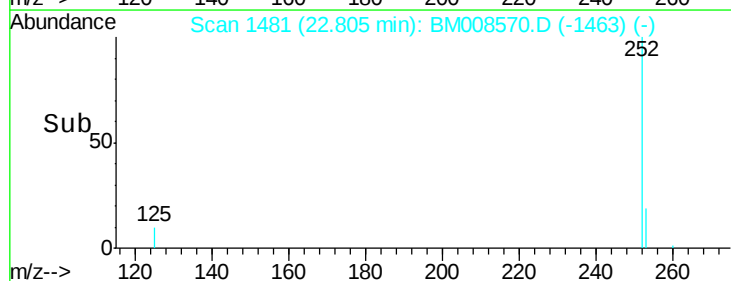
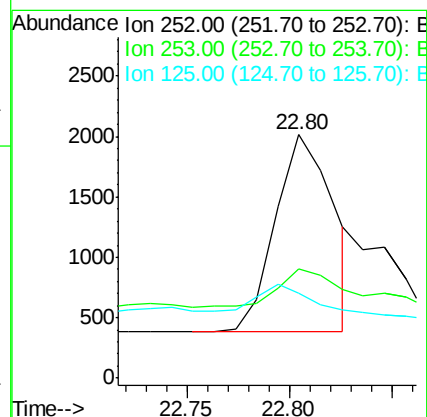
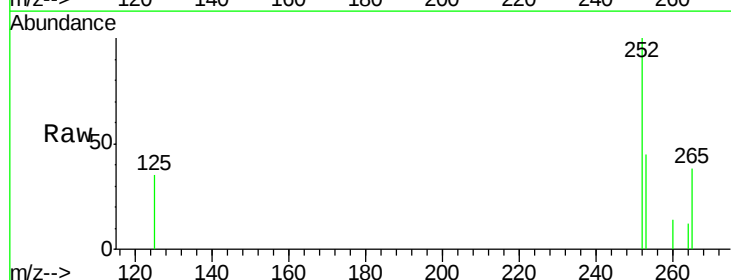
Tgt Ion:252 Resp: 3227

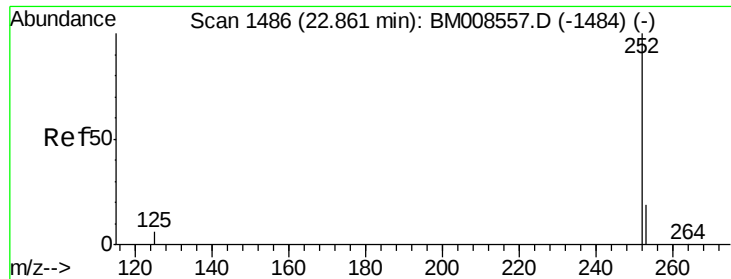
Ion Ratio Lower Upper

252 100

253 44.7 0.0 64.2

125 35.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.06 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

Instrument :

BNA_M

ClientSampleId :

DA850DL

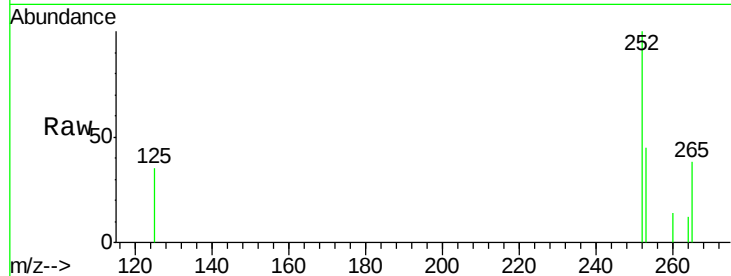
Tgt Ion:252 Resp: 4439

Ion Ratio Lower Upper

252 100

253 44.7 24.5 36.7#

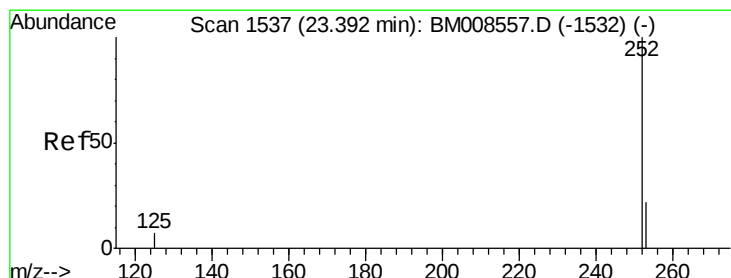
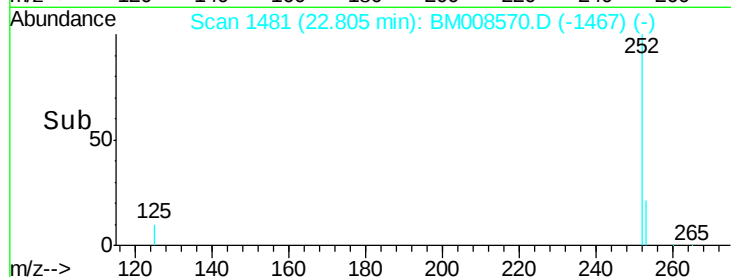
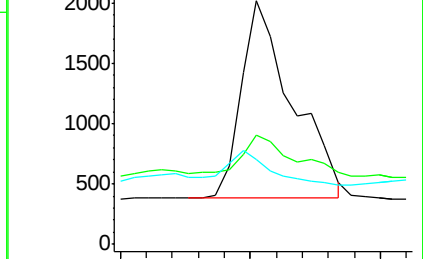
125 35.0 13.7 20.5#



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: 23.27 min Scan# 1526

Delta R.T. -0.12 min

Lab File: BM008570.D

Acq: 22 Dec 2016 23:52

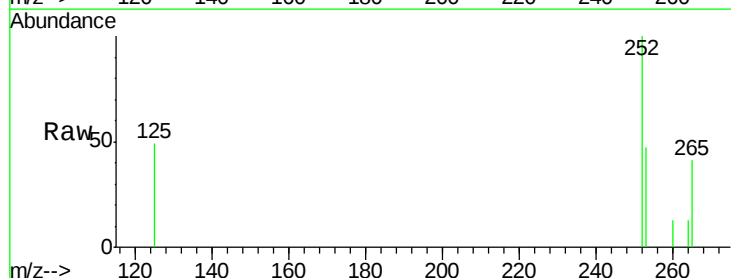
Tgt Ion:252 Resp: 2820

Ion Ratio Lower Upper

252 100

253 46.9 28.5 42.7#

125 48.6 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

