

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002382.D
 Acq On : 13 Aug 2015 04:02
 Operator : UM/IZ
 Sample : G3194-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D83

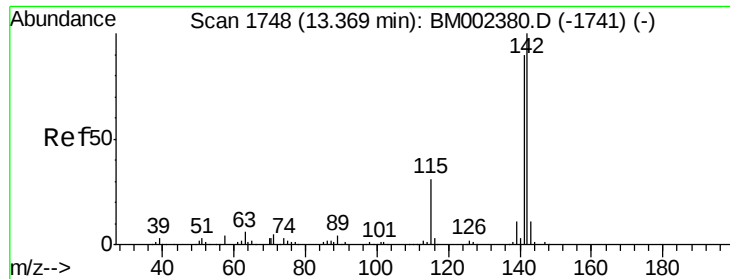
Quant Time: Aug 13 05:09:35 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 05:08:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	177788	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	794076	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	388807	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	698400	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	490697	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	476685	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	692288	17.19	ng/ul	0.00
10) Fluorene-d10	16.46	176	453283	16.18	ng/ul	0.00
14) Anthracene-d10	18.29	188	583101	17.21	ng/ul	0.00
18) Pyrene-d10	20.51	212	476715	20.03	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	406064	16.04	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.37	142	34150	1.14	ng/ul	95
13) Phenanthrene	18.24	178	64717	1.61	ng/ul	99
15) Anthracene	18.24	178	65410	1.58	ng/ul	98
16) Fluoranthene	20.18	202	75170	1.69	ng/ul	100
19) Pyrene	20.54	202	66218	2.09	ng/ul	98
20) Benzo(a)anthracene	22.26	228	42178	1.41	ng/ul#	93
21) Chrysene	22.32	228	51912	1.83	ng/ul#	92
23) Benzo(b)fluoranthene	24.14	252	63470	2.14	ng/ul#	89
26) Benzo(a)pyrene	24.86	252	41624	1.47	ng/ul#	87
29) Benzo(g,h,i)perylene	28.72	276	57828	2.11	ng/ul	93

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



#4

2-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002382.D

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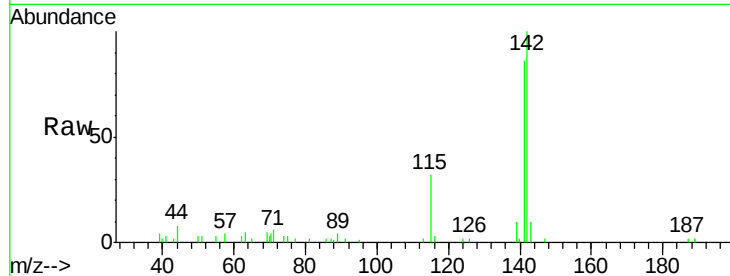
D9D83

Tgt Ion:142 Resp: 34150

Ion Ratio Lower Upper

142 100

141 85.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

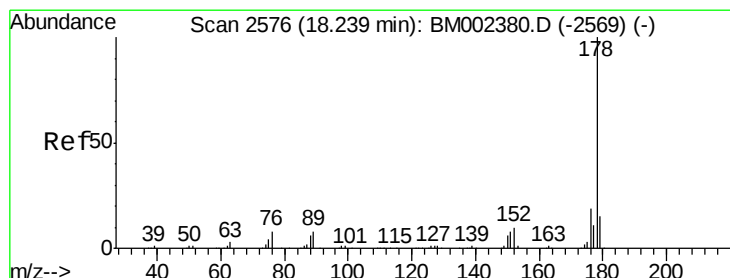
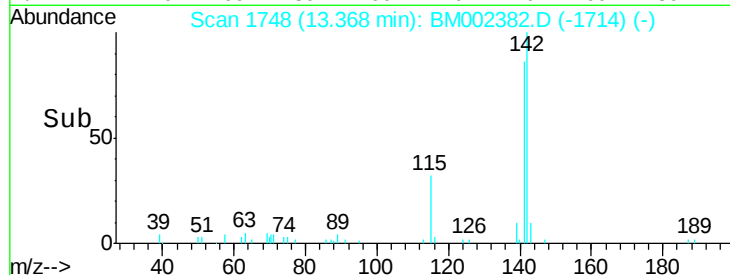
15000

10000

5000

0

Time--> 13.30 13.35 13.40



#13

Phenanthrene

Concen: 1.61 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

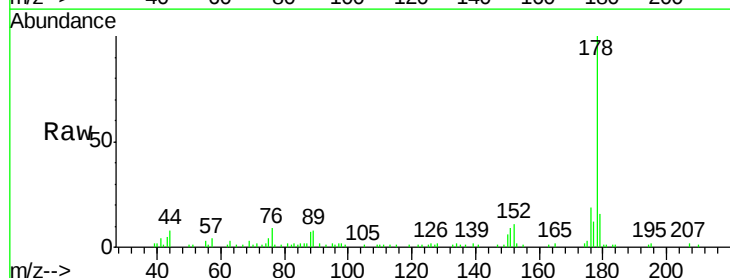
Tgt Ion:178 Resp: 64717

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.8 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

60000

50000

40000

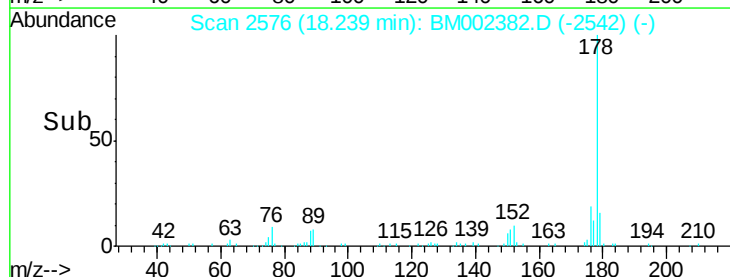
30000

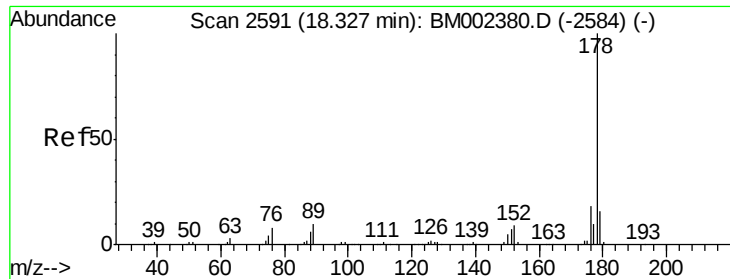
20000

10000

0

Time--> 18.20 18.25 18.30





#15

Anthracene

Concen: 1.58 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.09 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

Instrument :

BNA_M

ClientSampleId :

D9D83

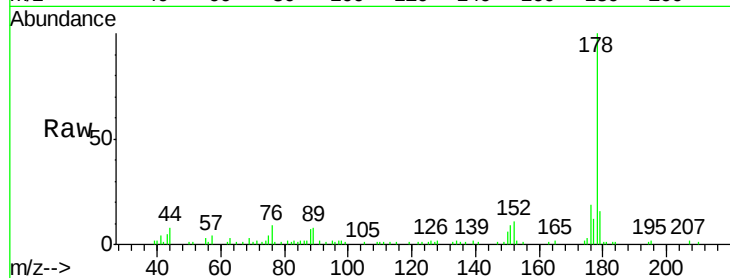
Tgt Ion:178 Resp: 65410

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

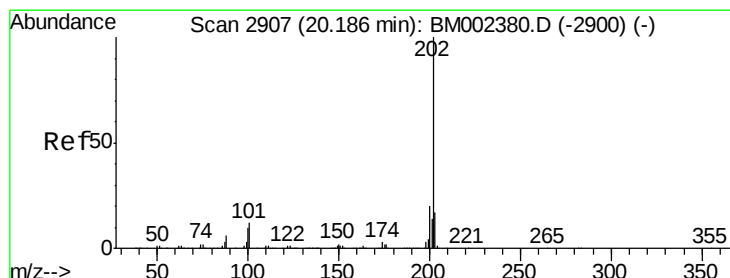
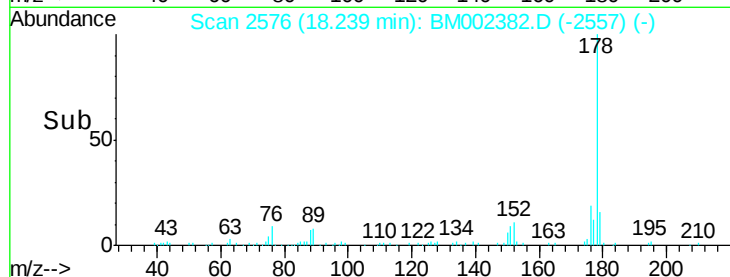
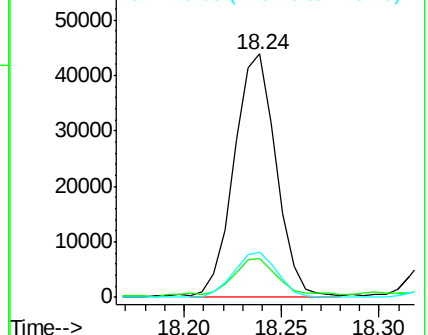
176 18.8 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 1.69 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. -0.01 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

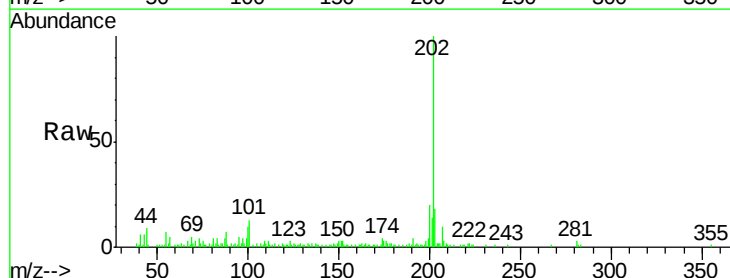
Tgt Ion:202 Resp: 75170

Ion Ratio Lower Upper

202 100

101 13.4 10.6 15.8

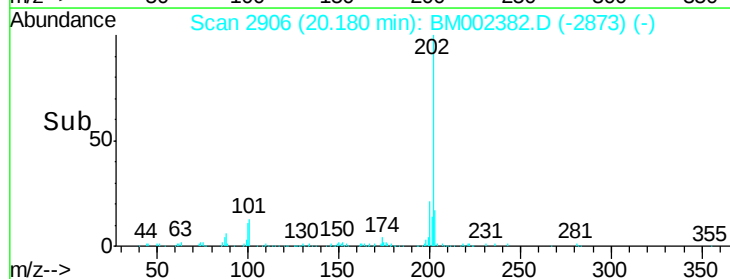
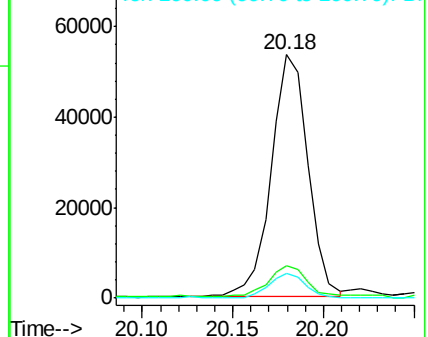
100 10.4 8.2 12.4

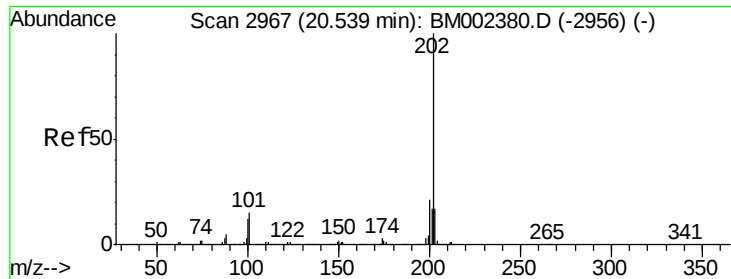


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 2.09 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

Instrument :

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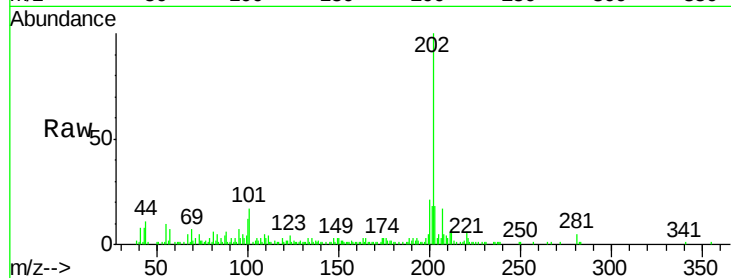
Tgt Ion:202 Resp: 66218

Ion Ratio Lower Upper

202 100

101 16.8 13.0 19.6

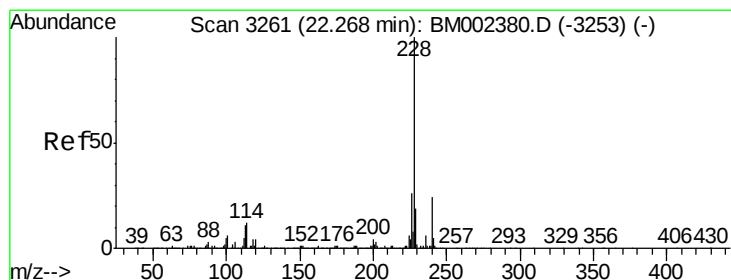
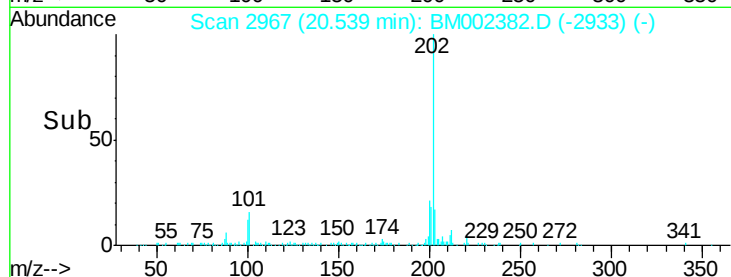
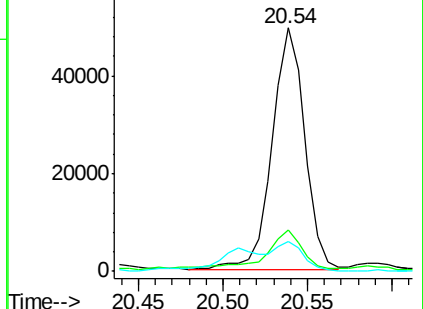
100 12.3 11.0 16.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Benzo(a)anthracene

Concen: 1.41 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

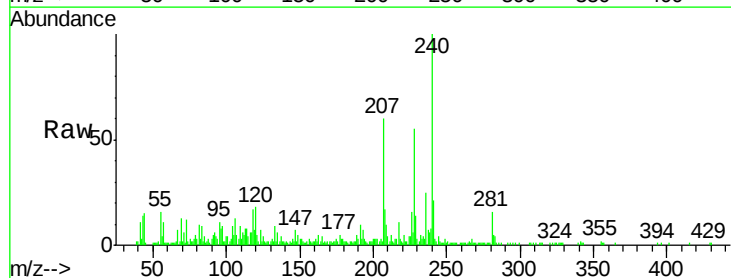
Tgt Ion:228 Resp: 42178

Ion Ratio Lower Upper

228 100

229 25.2 15.7 23.5#

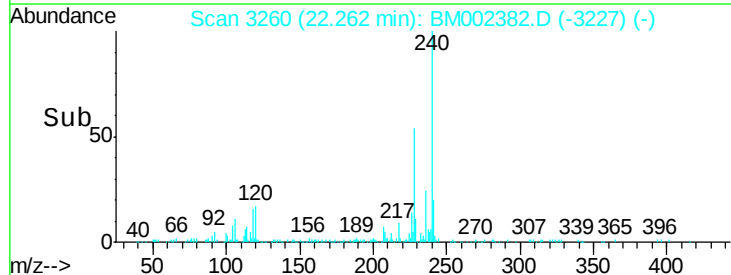
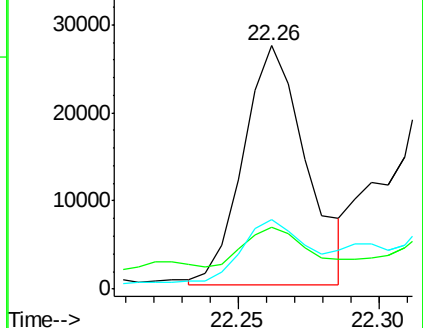
226 28.4 21.4 32.0

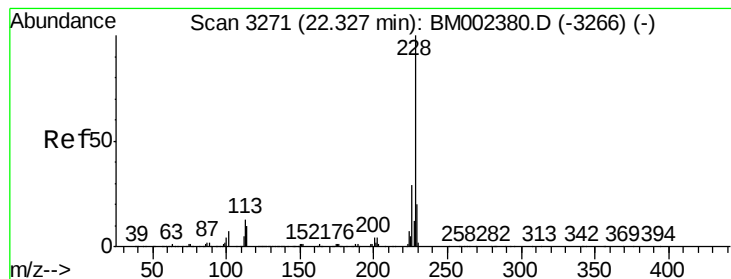


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.83 ng/ul

RT: 22.32 min Scan# 3270

Delta R.T. -0.01 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

Instrument :

BNA_M

ClientSampleId :

D9D83

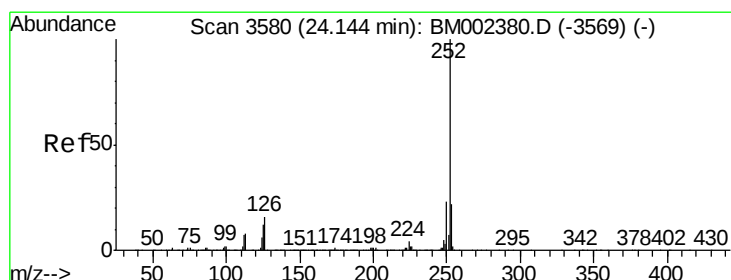
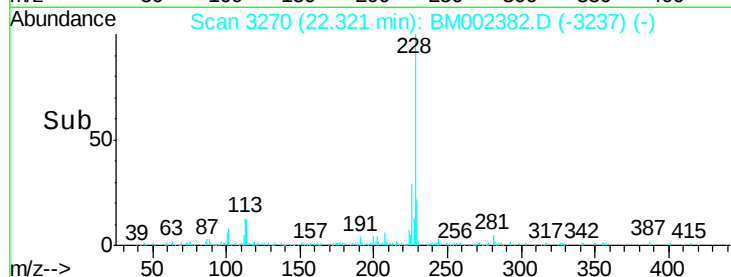
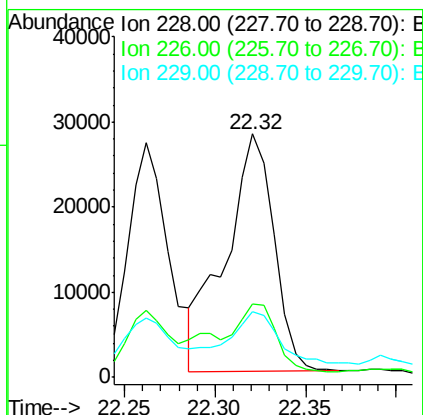
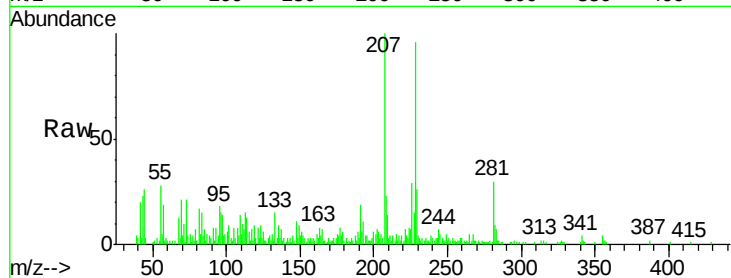
Tgt Ion: 228 Resp: 51912

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

229 26.8 15.5 23.3#



#23

Benzo(b)fluoranthene

Concen: 2.14 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

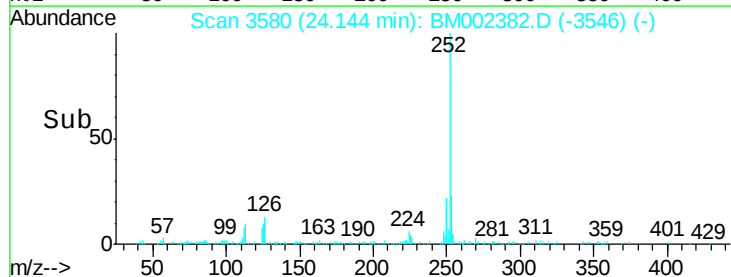
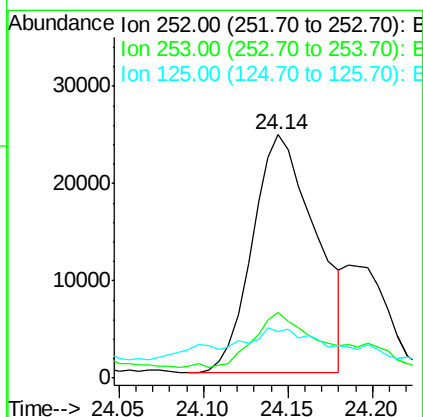
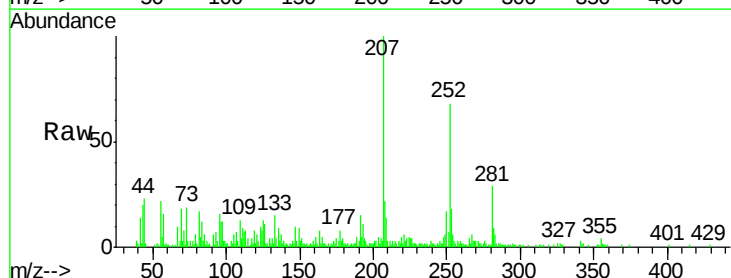
Tgt Ion: 252 Resp: 63470

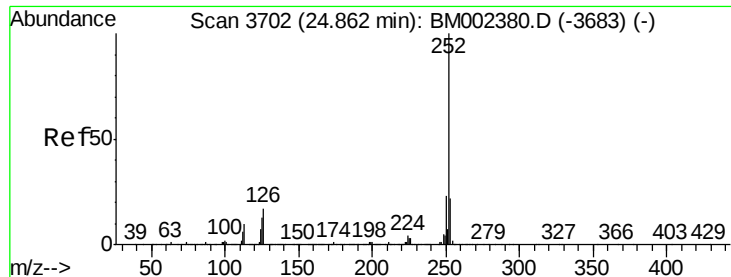
Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

125 18.9 10.3 15.5#





#26

Benzo(a)pyrene

Concen: 1.47 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

Instrument :

BNA_M

ClientSampleId :

D9D83

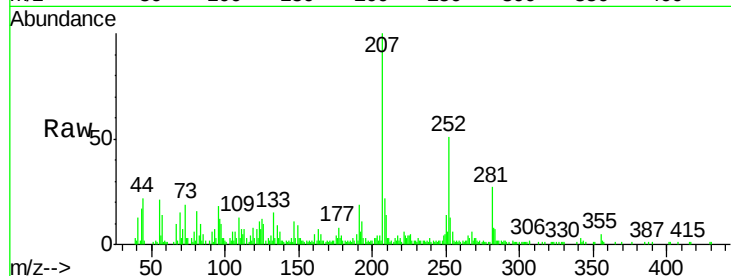
Tgt Ion:252 Resp: 41624

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

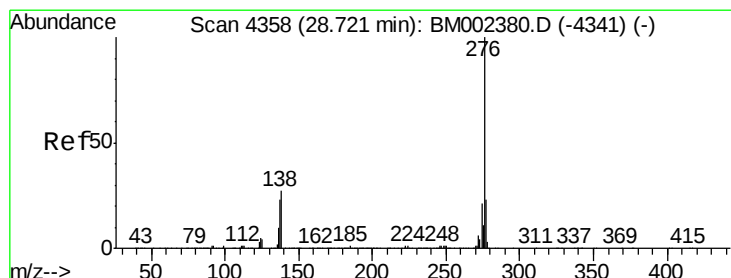
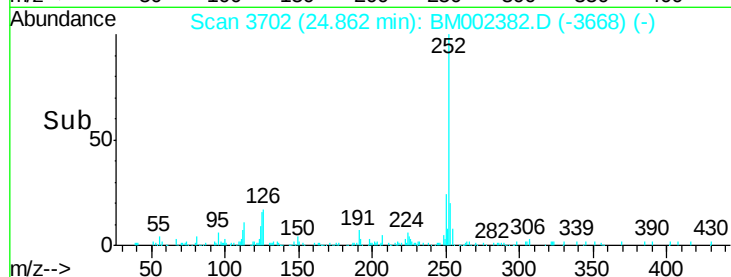
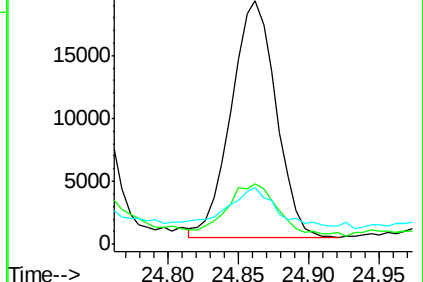
125 23.1 11.0 16.6#



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



#29

Benzo(g,h,i)perylene

Concen: 2.11 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

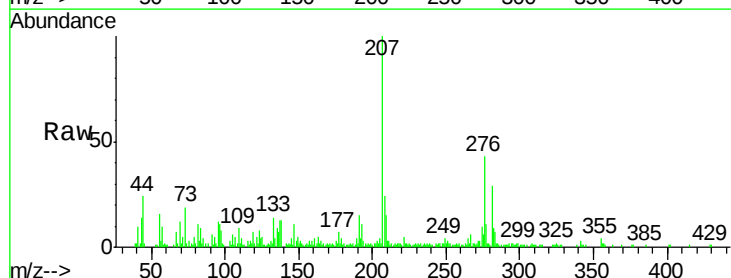
Tgt Ion:276 Resp: 57828

Ion Ratio Lower Upper

276 100

138 29.9 20.5 30.7

277 26.2 19.0 28.6



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

