

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008056.D
 Acq On : 24 Nov 2016 04:23
 Operator : UM/SJ
 Sample : H5694-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS6

Quant Time: Nov 24 06:19:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	763	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.49	136	2619	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1596	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	111910	0.40	ng/ul	0.09
16) Chrysene-d12	21.29	240	2815	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	2951	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	641	0.17	ng/ul	-0.03
14) Fluoranthene-d10	19.13	212	1444	0.00	ng/ul	-0.01

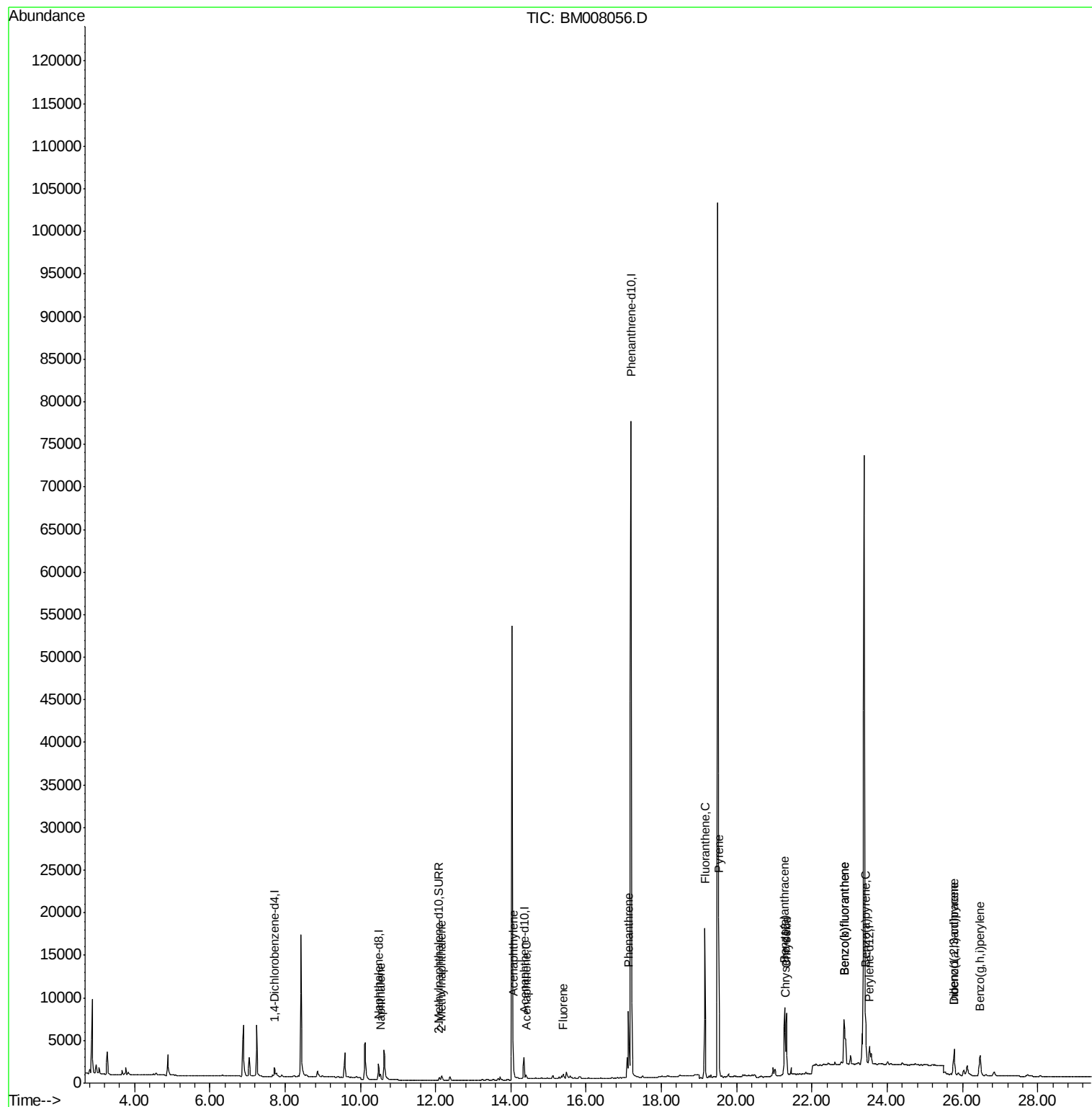
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	970	0.13	ng/ul#	89
5) 2-Methylnaphthalene	12.16	142	508	0.11	ng/ul	99
7) Acenaphthylene	14.06	152	784	0.11	ng/ul#	84
8) Acenaphthene	14.40	153	292	0.05	ng/ul#	92
9) Fluorene	15.39	166	355	0.06	ng/ul#	69
12) Phenanthrene	17.12	178	9488	0.03	ng/ul	96
15) Fluoranthene	19.16	202	16333	0.04	ng/ul	94
17) Pyrene	19.52	202	16527	1.69	ng/ul	97
18) Benzo(a)anthracene	21.27	228	7582	0.88	ng/ul	97
19) Chrysene	21.32	228	7449	0.69	ng/ul	96
21) Benzo(b)fluoranthene	22.86	252	12808	1.09	ng/ul	94
22) Benzo(k)fluoranthene	22.86	252	12808	1.05	ng/ul#	96
23) Benzo(a)pyrene	23.42	252	7478	0.68	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.78	276	5077	0.37	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.78	278	1256	0.11	ng/ul#	45
26) Benzo(g,h,i)perylene	26.46	276	5167	0.43	ng/ul	96

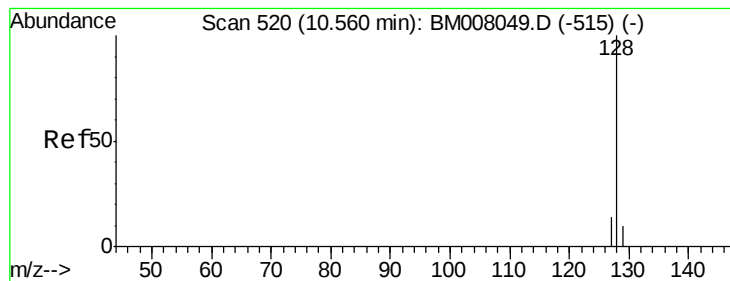
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
Data File : BM008056.D
Acq On : 24 Nov 2016 04:23
Operator : UM/SJ
Sample : H5694-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSS6

Quant Time: Nov 24 06:19:52 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 04:11:15 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.02 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

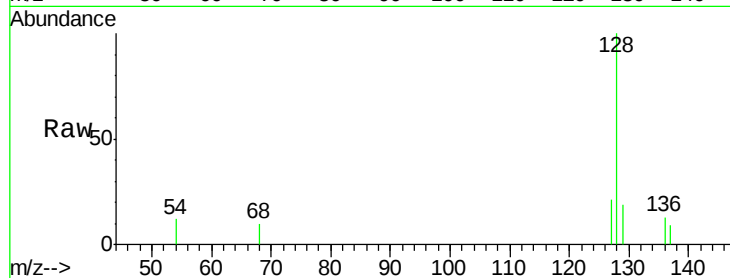
Tgt Ion:128 Resp: 970

Ion Ratio Lower Upper

128 100

129 19.0 11.3 16.9#

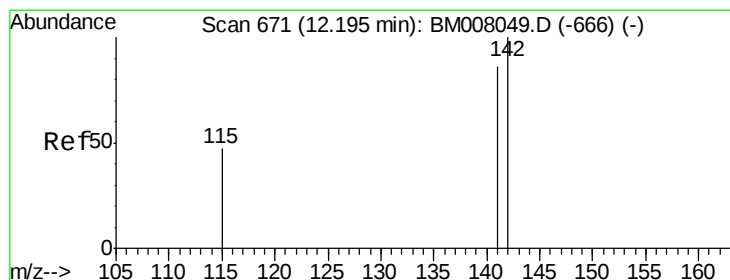
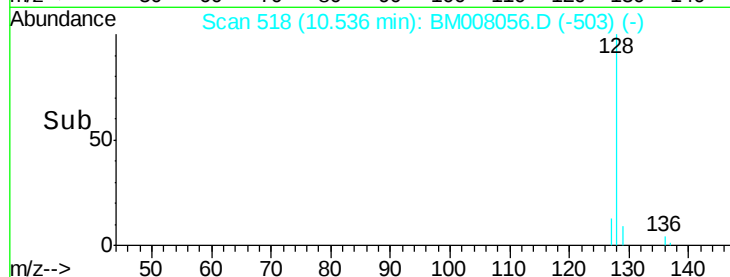
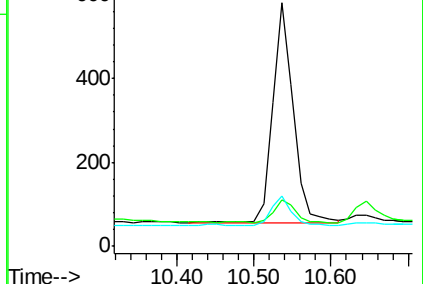
127 20.7 12.8 19.2#



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: 0.11 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.03 min

Lab File: BM008056.D

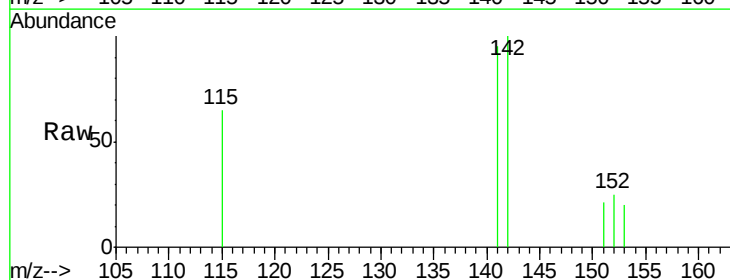
Acq: 24 Nov 2016 04:23

Tgt Ion:142 Resp: 508

Ion Ratio Lower Upper

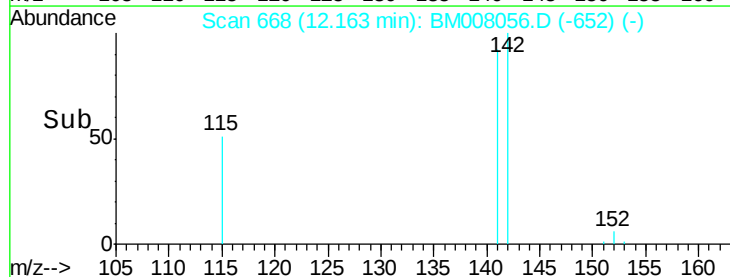
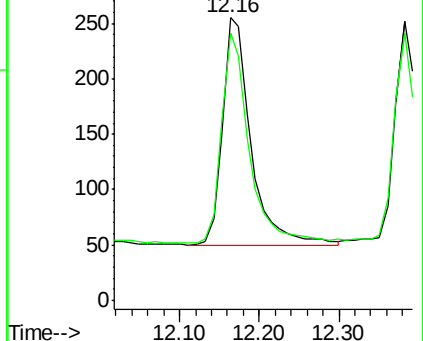
142 100

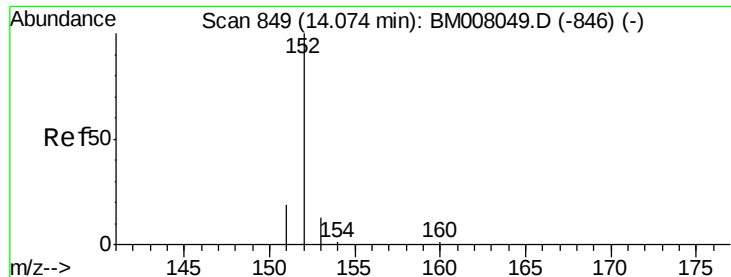
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

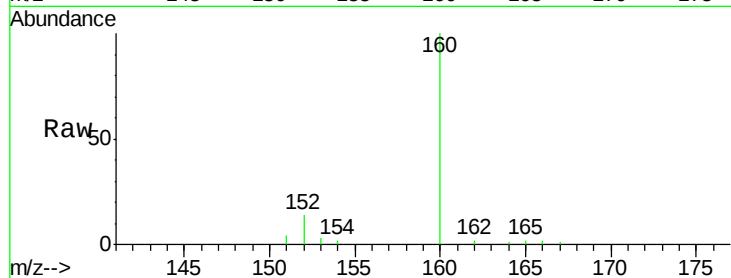
Tgt Ion:152 Resp: 784

Ion Ratio Lower Upper

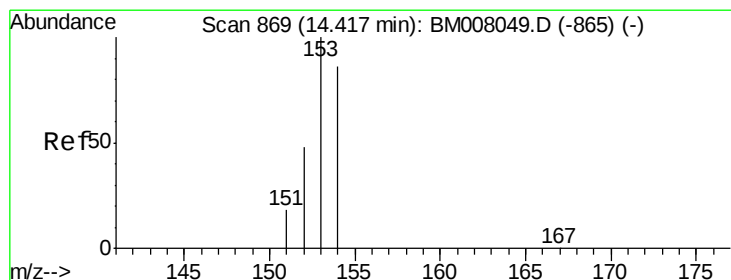
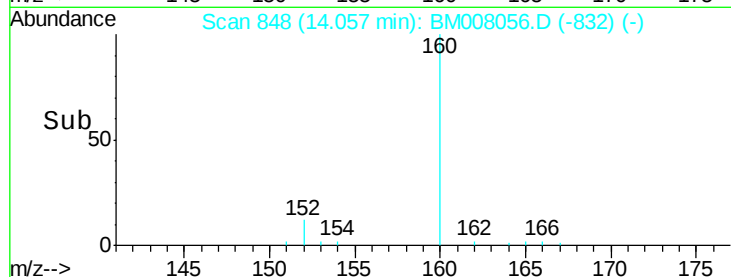
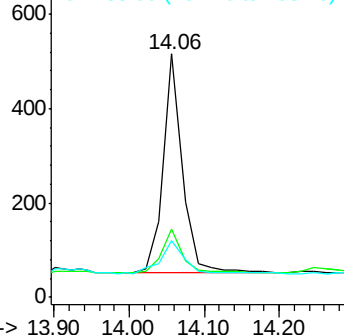
152 100

151 28.3 17.1 25.7#

153 23.4 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: 0.05 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

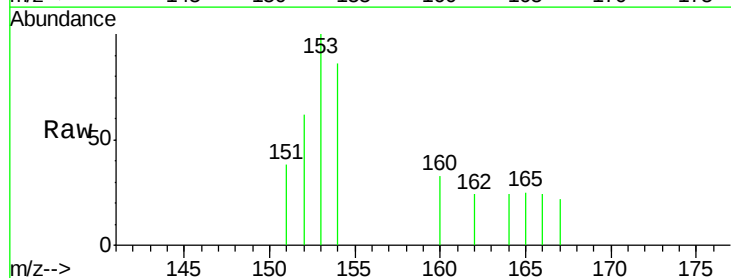
Tgt Ion:153 Resp: 292

Ion Ratio Lower Upper

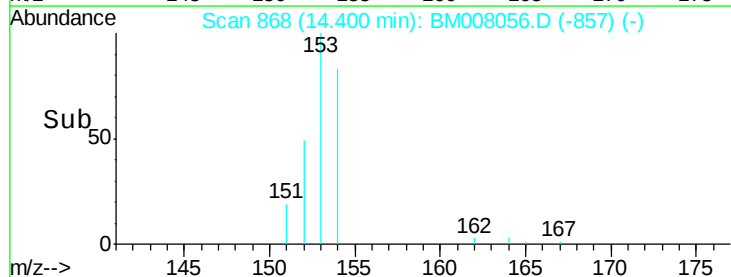
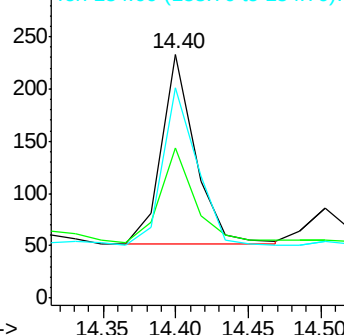
153 100

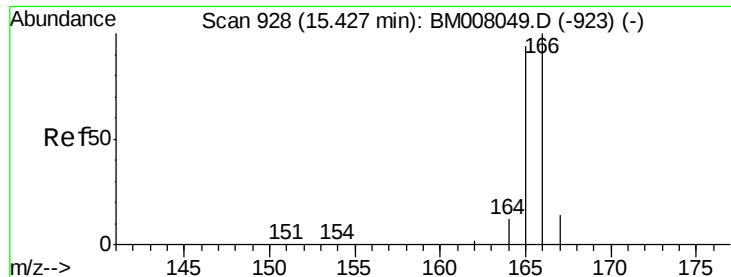
152 61.8 40.3 60.5#

154 86.3 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: 0.06 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.03 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

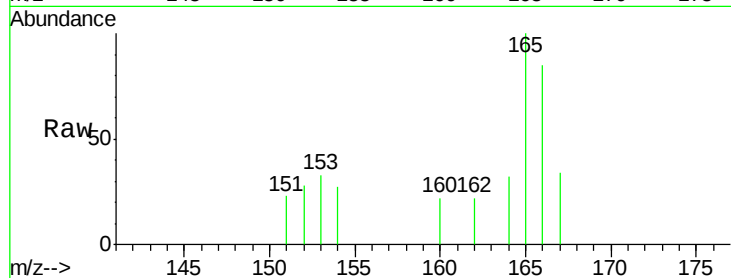
Tgt Ion:166 Resp: 355

Ion Ratio Lower Upper

166 100

165 117.7 73.4 110.2#

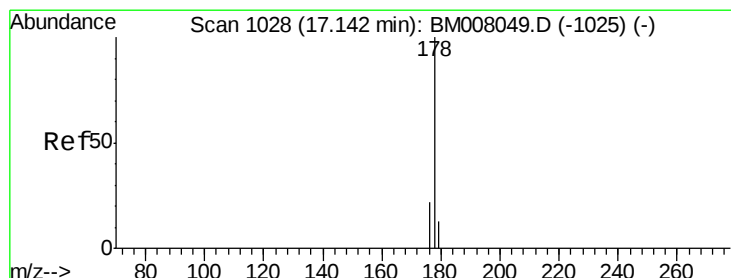
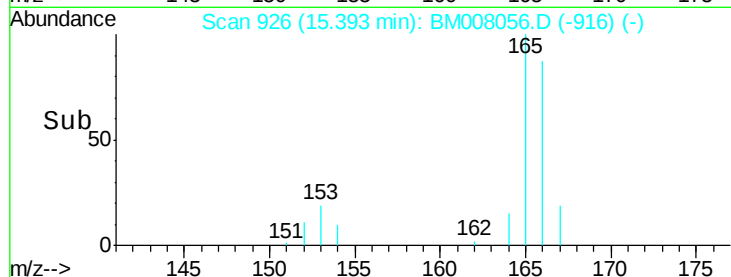
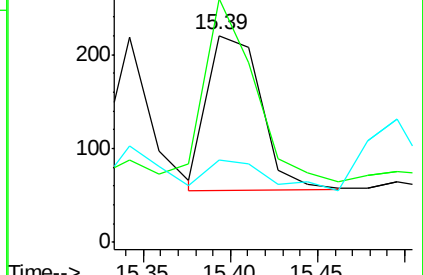
167 40.0 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

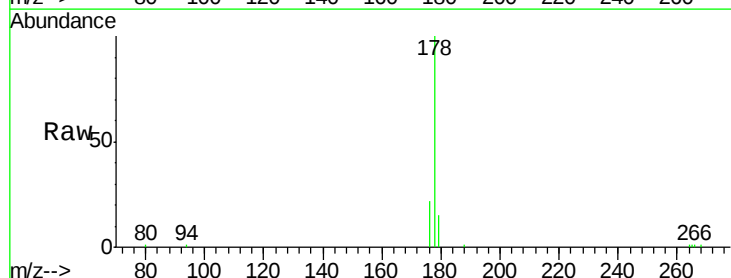
Tgt Ion:178 Resp: 9488

Ion Ratio Lower Upper

178 100

176 21.6 18.4 27.6

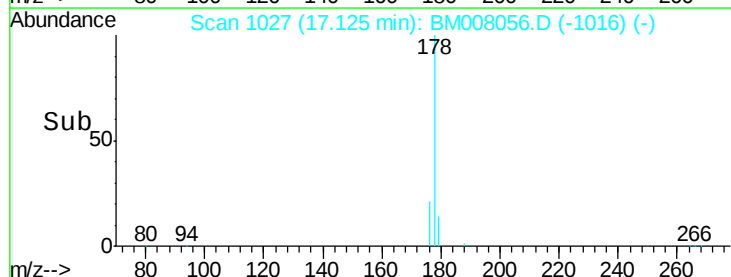
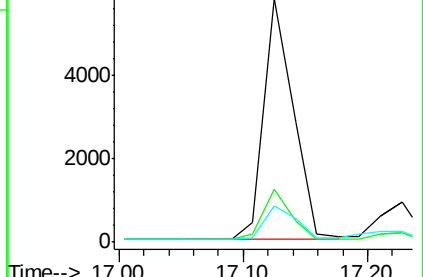
179 15.0 13.6 20.4

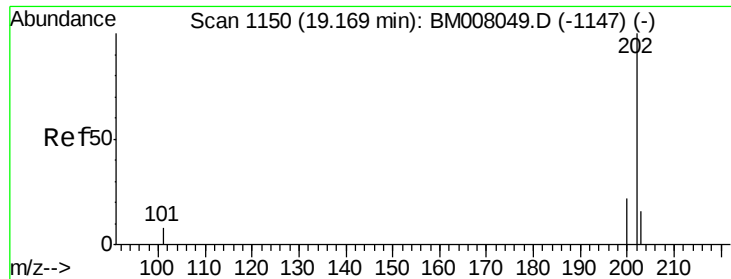


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.04 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

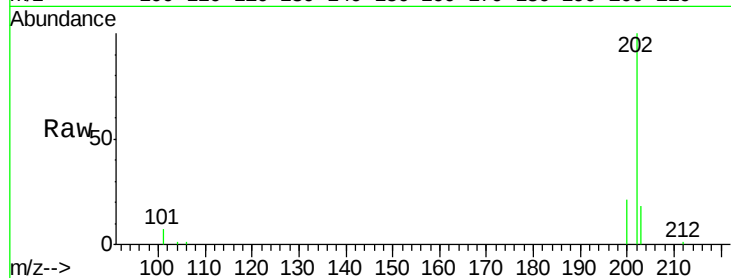
Tgt Ion:202 Resp: 16333

Ion Ratio Lower Upper

202 100

101 6.9 0.0 30.3

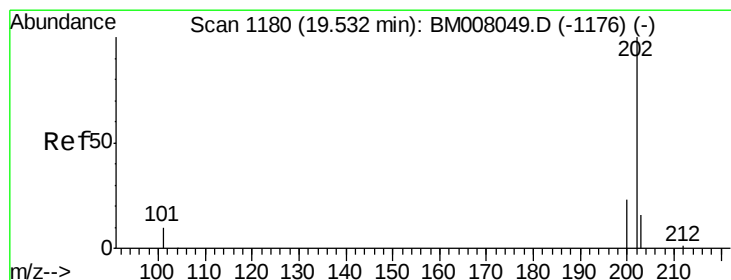
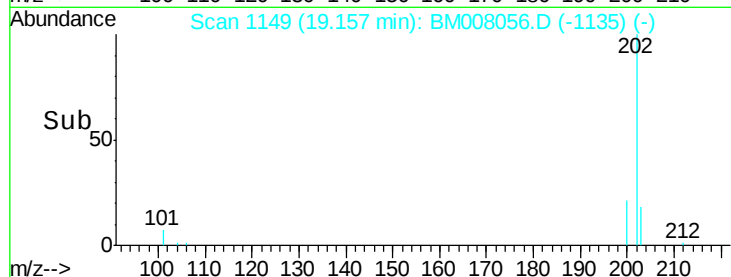
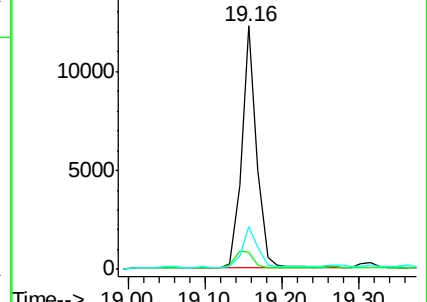
203 17.6 0.0 39.5



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: 1.69 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

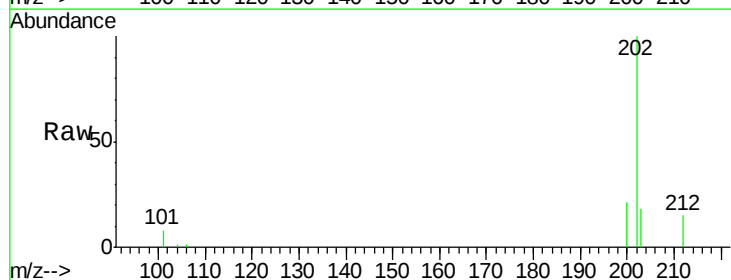
Tgt Ion:202 Resp: 16527

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.4

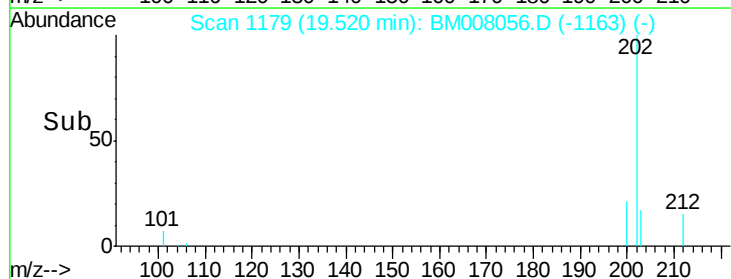
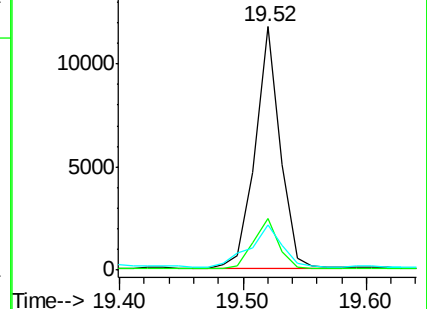
203 18.3 15.6 23.4

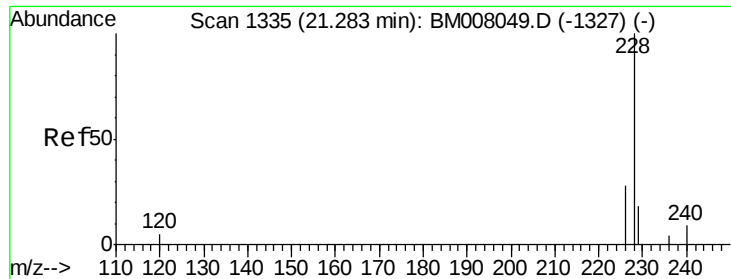


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.88 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

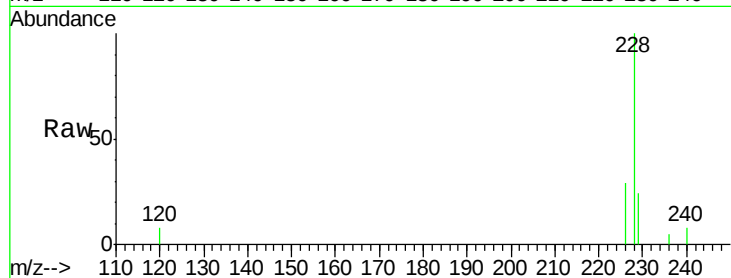
Tgt Ion:228 Resp: 7582

Ion Ratio Lower Upper

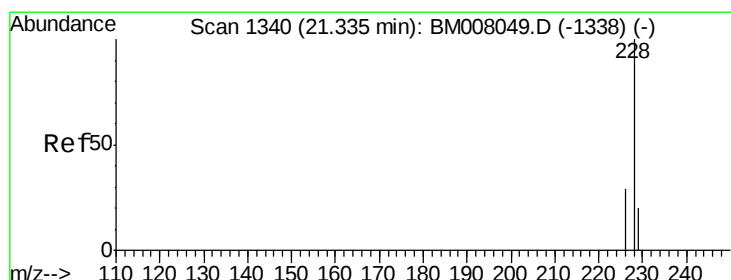
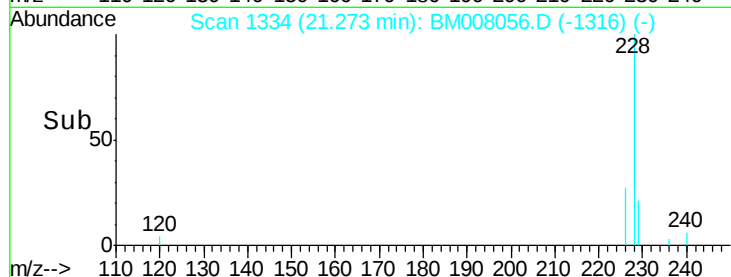
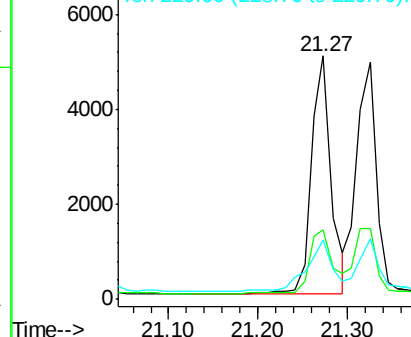
228 100

226 28.6 22.8 34.2

229 24.3 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: 0.69 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

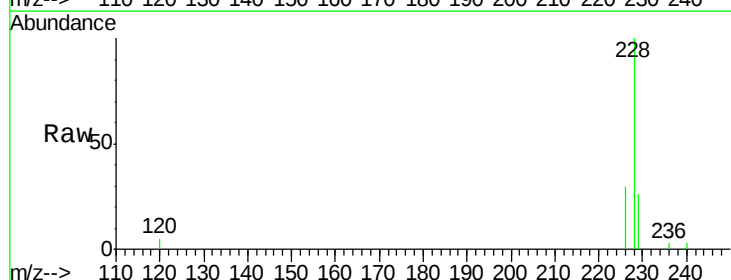
Tgt Ion:228 Resp: 7449

Ion Ratio Lower Upper

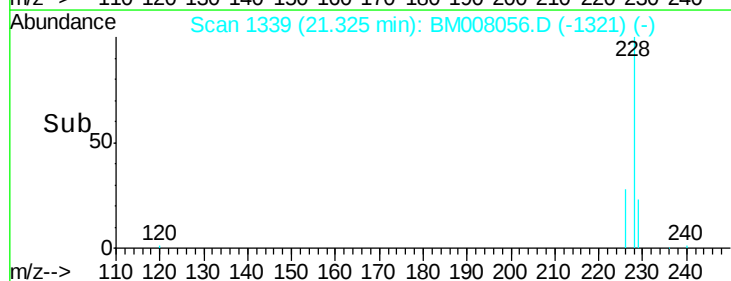
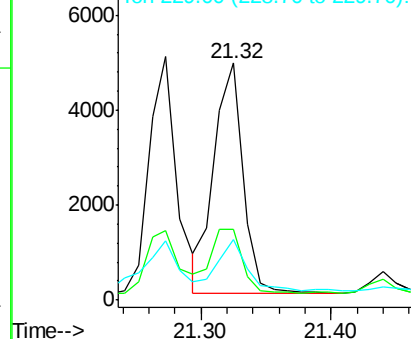
228 100

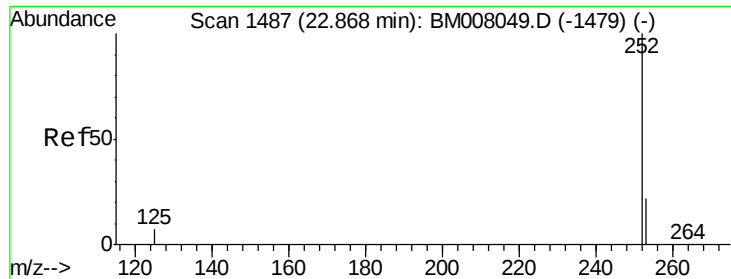
226 30.1 23.4 35.0

229 25.6 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: 1.09 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

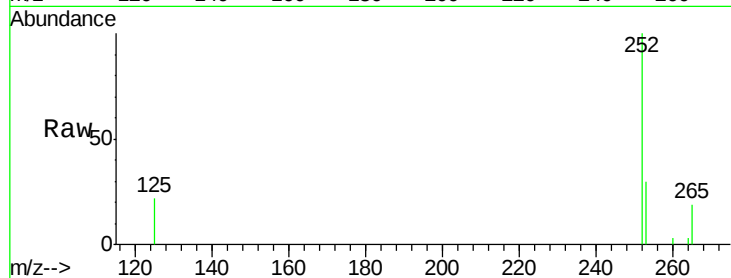
Tgt Ion:252 Resp: 12808

Ion Ratio Lower Upper

252 100

253 30.2 0.0 64.2

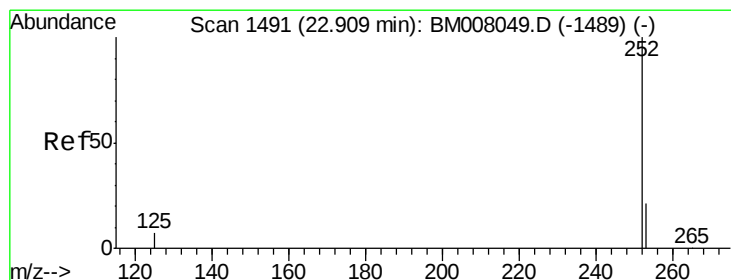
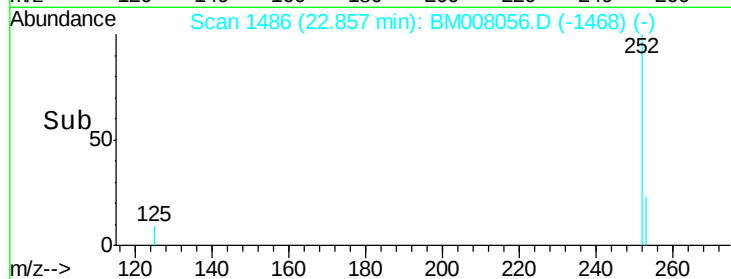
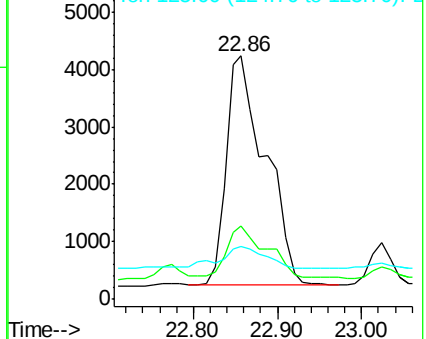
125 21.6 0.0 35.0



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: 1.05 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

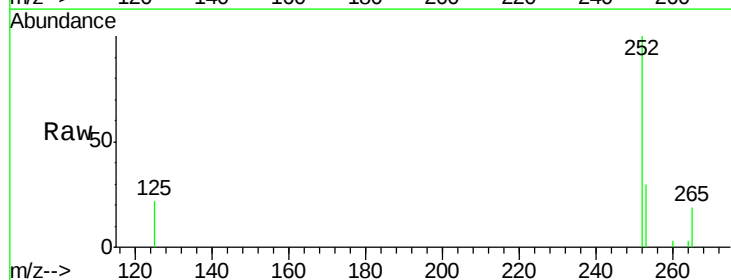
Tgt Ion:252 Resp: 12808

Ion Ratio Lower Upper

252 100

253 30.2 24.5 36.7

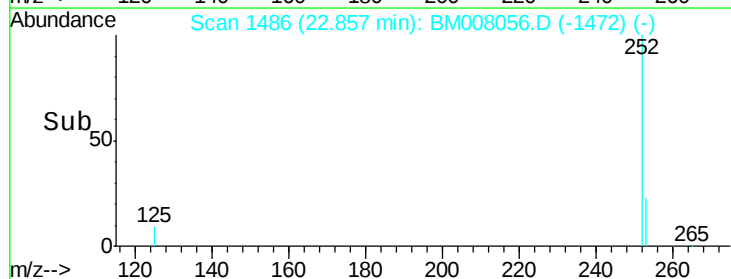
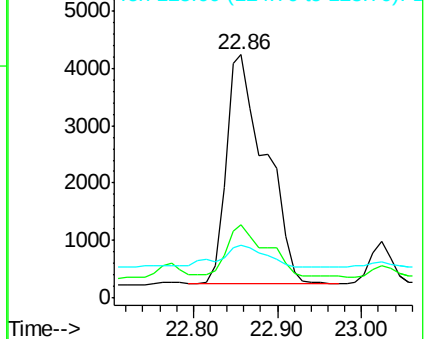
125 21.6 13.7 20.5#

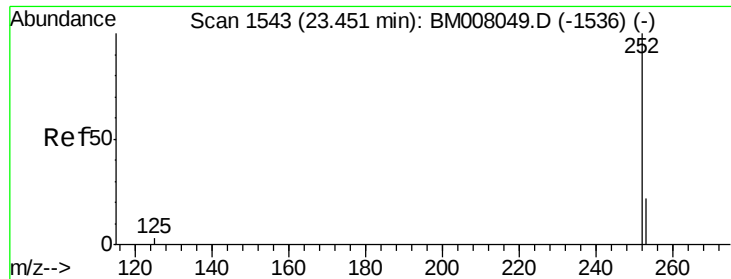


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.68 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

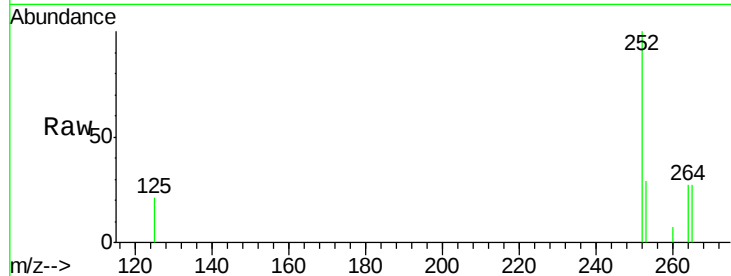
Tgt Ion:252 Resp: 7478

Ion Ratio Lower Upper

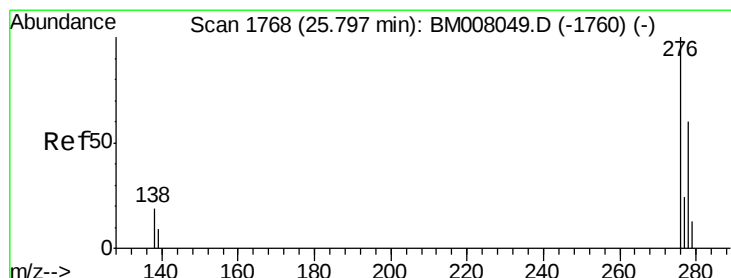
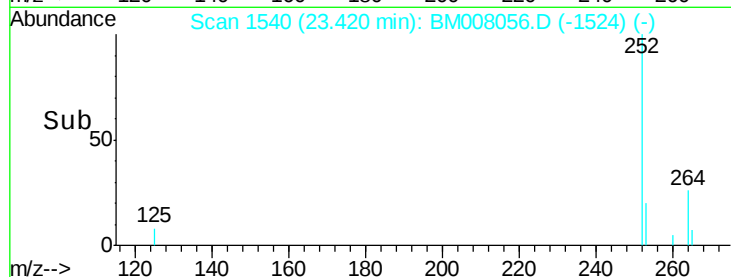
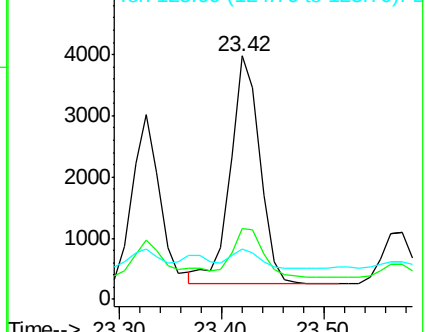
252 100

253 29.3 28.5 42.7

125 20.8 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.02 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

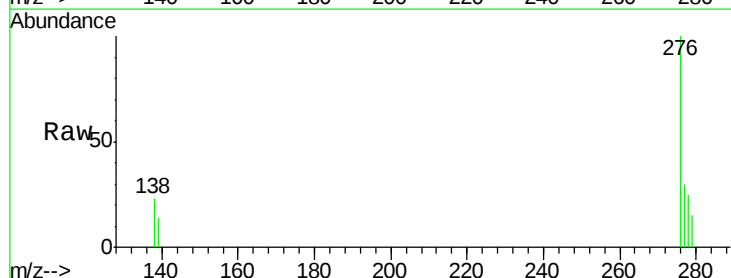
Tgt Ion:276 Resp: 5077

Ion Ratio Lower Upper

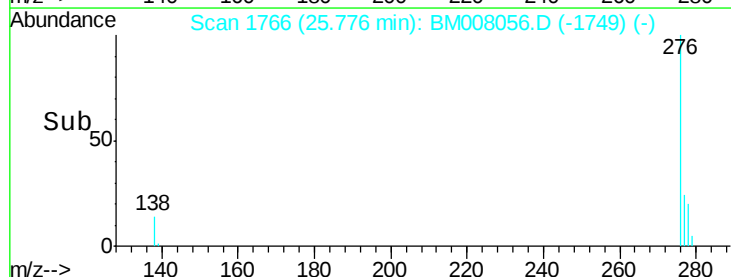
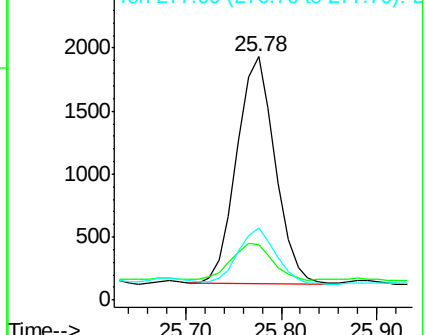
276 100

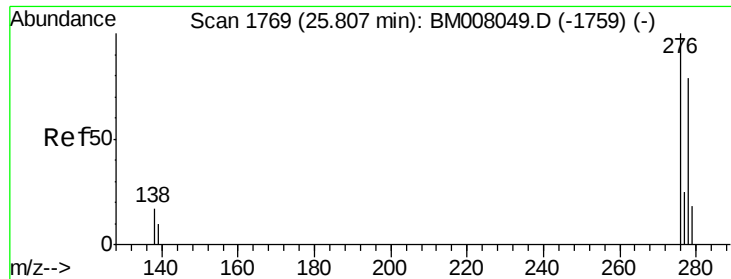
138 16.8 19.1 28.7#

277 24.2 19.6 29.4



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





#25

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.03 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

Instrument :

BNA_M

ClientSampleId :

JHSS6

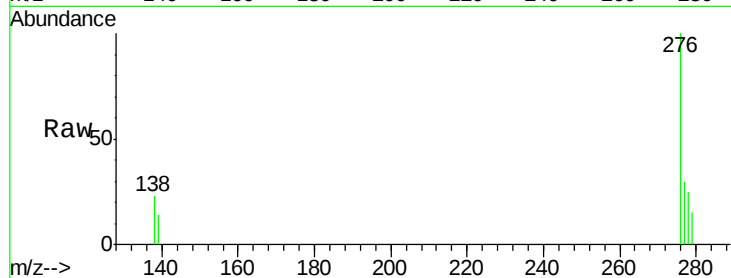
Tgt Ion:278 Resp: 1256

Ion Ratio Lower Upper

278 100

139 54.7 17.4 26.0#

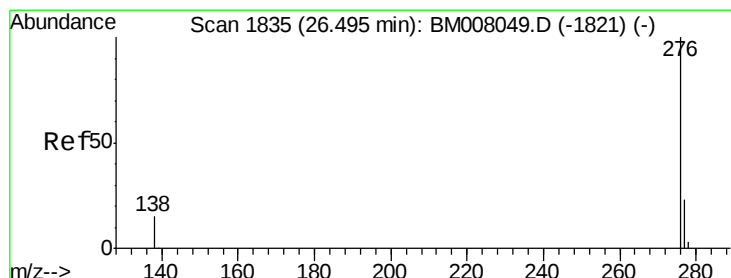
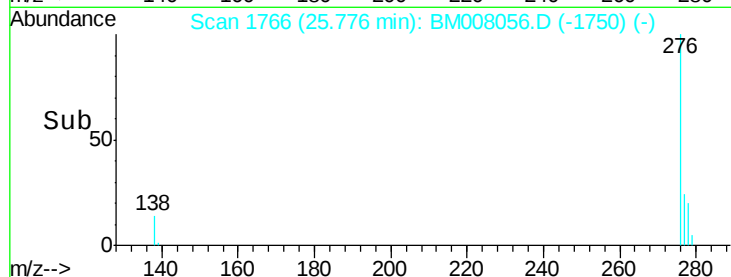
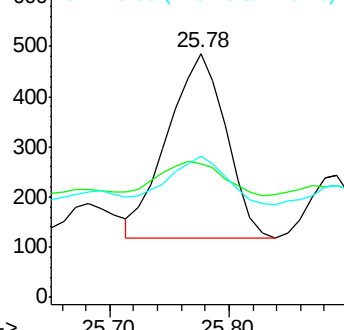
279 57.8 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.43 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BM008056.D

Acq: 24 Nov 2016 04:23

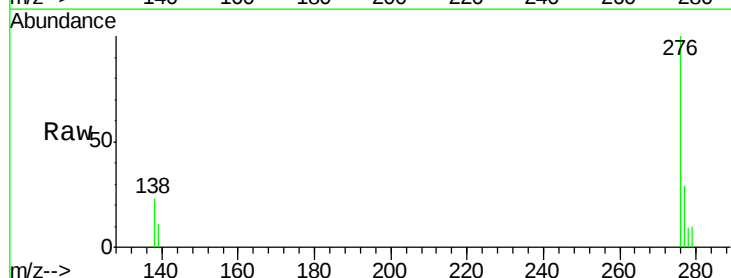
Tgt Ion:276 Resp: 5167

Ion Ratio Lower Upper

276 100

277 29.4 21.8 32.8

138 23.3 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

