

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
 Data File : BM002353.D
 Acq On : 12 Aug 2015 10:05
 Operator : UM/IZ
 Sample : G3162-17DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C84DL

Quant Time: Aug 12 10:54:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 05:35:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	213525	20.00	ng/ul	-0.02
2) Naphthalene-d8	11.77	136	964598	20.00	ng/ul	-0.02
6) Acenaphthene-d10	15.48	164	492074	20.00	ng/ul	-0.02
12) Phenanthrene-d10	18.19	188	963845	20.00	ng/ul	-0.02
17) Chrysene-d12	22.29	240	685484	20.00	ng/ul	-0.01
22) Perylene-d12	24.98	264	603342	20.00	ng/ul	-0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	144849	2.84	ng/ul	-0.02
10) Fluorene-d10	16.45	176	100759	2.84	ng/ul	-0.02
14) Anthracene-d10	18.29	188	136490	2.92	ng/ul	-0.02
18) Pyrene-d10	20.51	212	116558	3.51	ng/ul	-0.01
25) Benzo(a)pyrene-d12	24.80	264	81584	2.55	ng/ul	-0.02

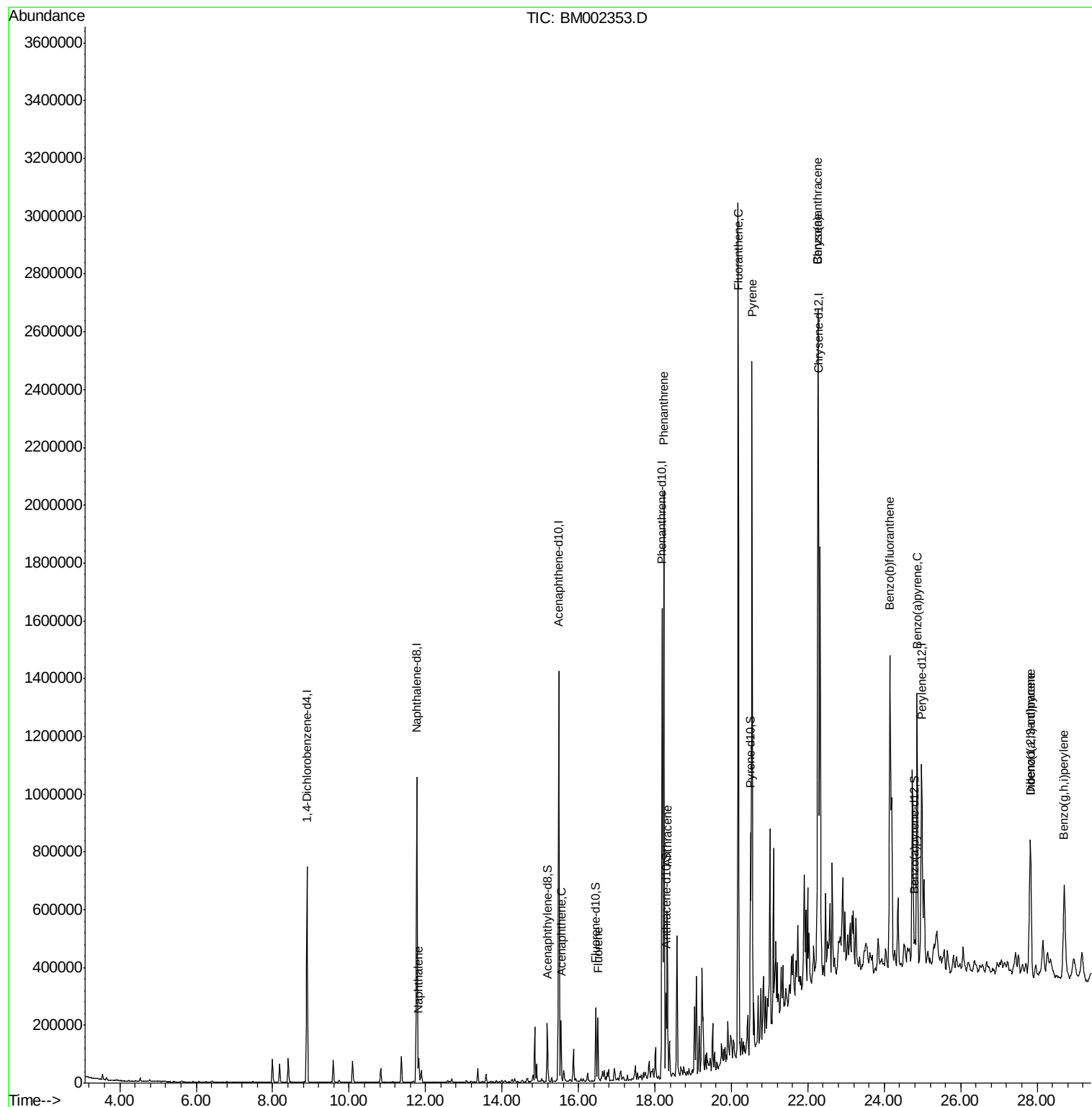
Target Compounds				Qvalue		
3) Naphthalene	11.82	128	75146	1.48	ng/ul	100
9) Acenaphthene	15.54	153	89181	2.51	ng/ul	99
11) Fluorene	16.51	166	101733	2.54	ng/ul	100
13) Phenanthrene	18.23	178	1245947	22.46	ng/ul	100
15) Anthracene	18.32	178	370318	6.46	ng/ul	99
16) Fluoranthene	20.18	202	1793014	29.19	ng/ul	99
19) Pyrene	20.54	202	1372957	30.98	ng/ul	98
20) Benzo(a)anthracene	22.27	228	1029141	24.59	ng/ul	98
21) Chrysene	22.27	228	1025051	25.85	ng/ul	96
23) Benzo(b)fluoranthene	24.14	252	1156864	30.85	ng/ul	99
26) Benzo(a)pyrene	24.86	252	807732	22.51	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.82	276	485938	11.81	ng/ul	94
28) Dibenzo(a,h)anthracene	27.83	278	162384	4.66	ng/ul#	87
29) Benzo(g,h,i)perylene	28.71	276	416577	12.00	ng/ul	99

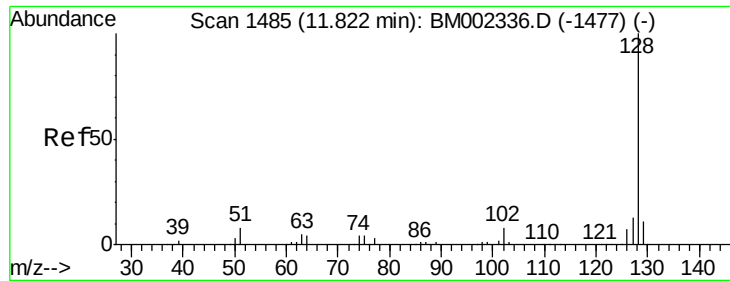
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
Data File : BM002353.D
Acq On : 12 Aug 2015 10:05
Operator : UM/IZ
Sample : G3162-17DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9C84DL

Quant Time: Aug 12 10:54:06 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 05:35:03 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.48 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

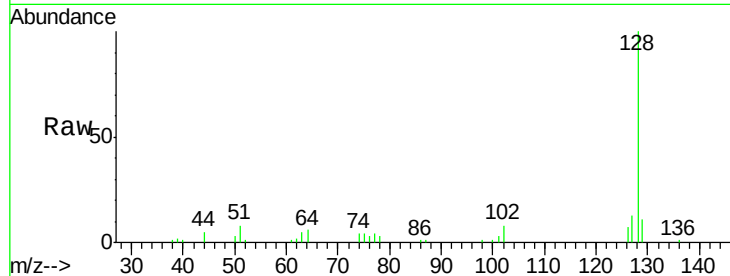
Tgt Ion:128 Resp: 75146

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

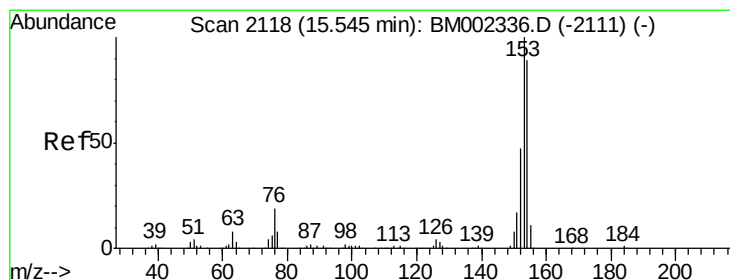
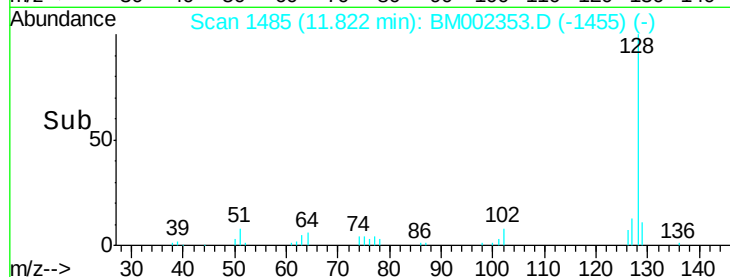
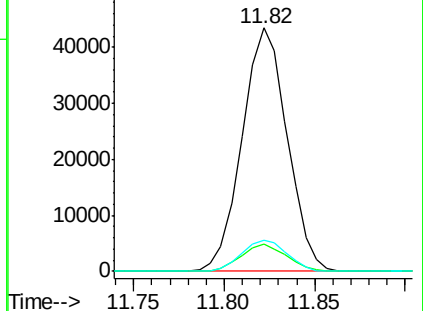
127 13.0 10.4 15.6



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



#9

Acenaphthene

Concen: 2.51 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

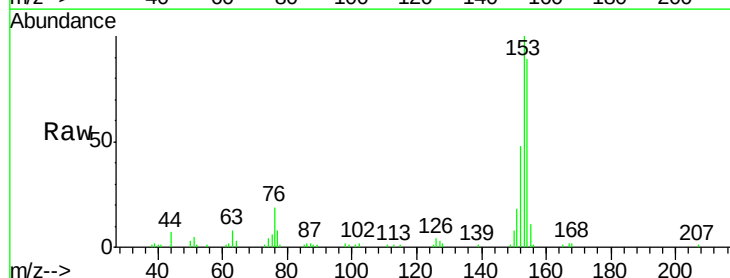
Tgt Ion:153 Resp: 89181

Ion Ratio Lower Upper

153 100

152 47.9 36.6 55.0

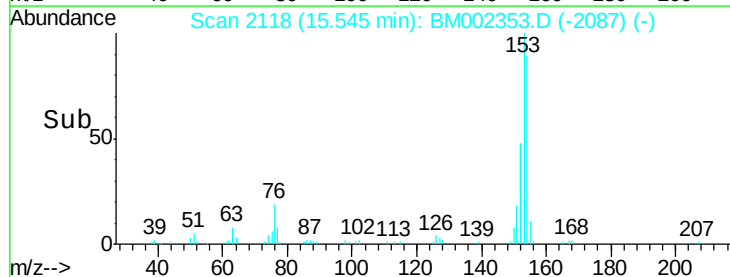
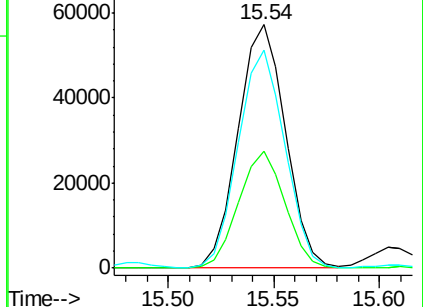
154 89.4 71.5 107.3

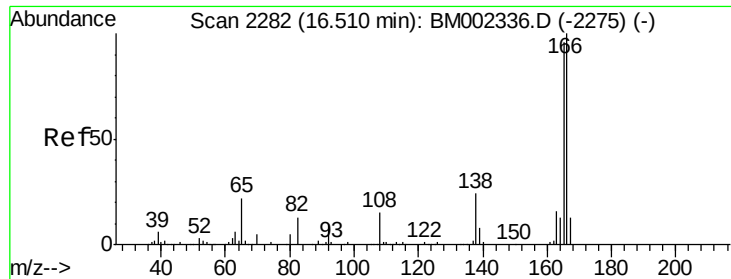


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 2.54 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

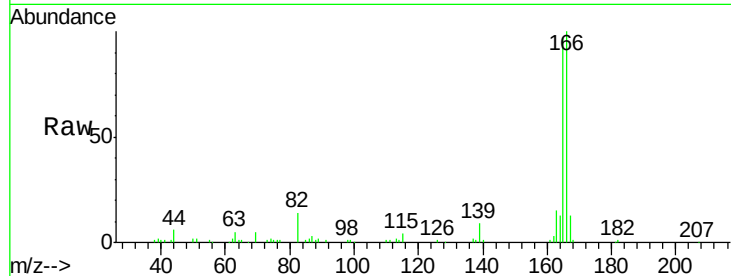
Tgt Ion:166 Resp: 101733

Ion Ratio Lower Upper

166 100

165 97.3 77.5 116.3

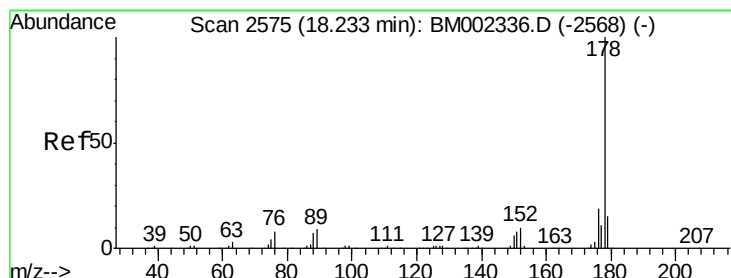
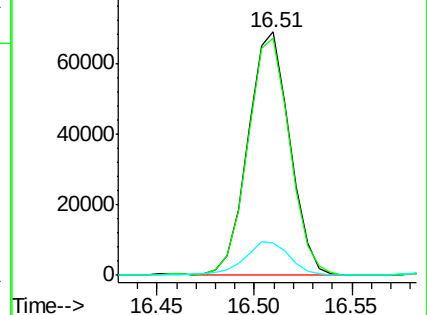
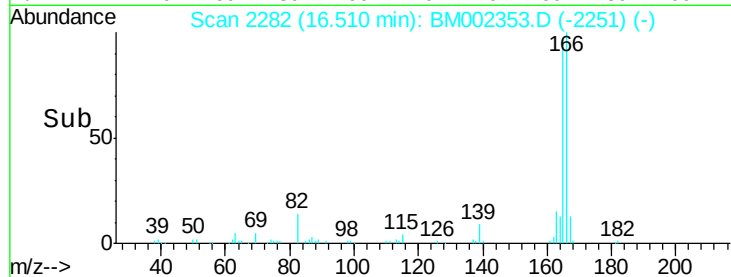
167 13.4 10.4 15.6



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



#13

Phenanthrene

Concen: 22.46 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

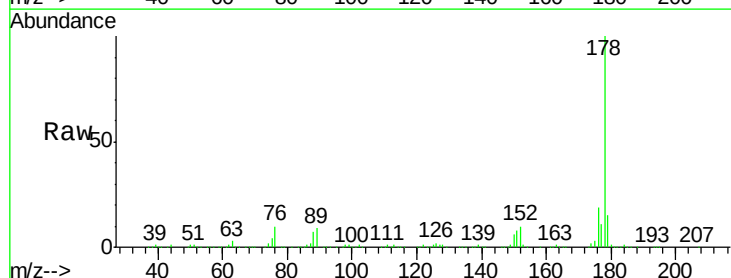
Tgt Ion:178 Resp: 1245947

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

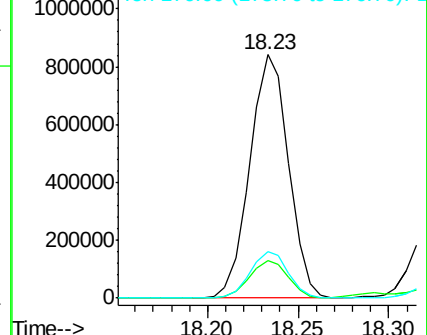
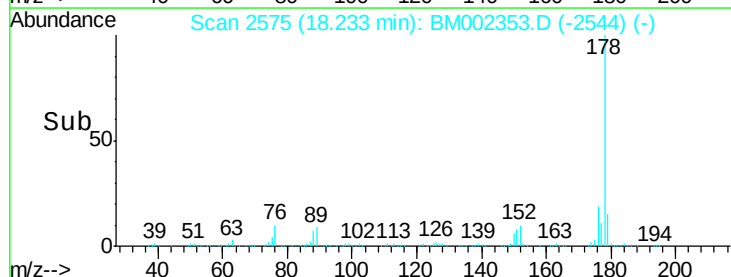
176 18.9 15.3 22.9

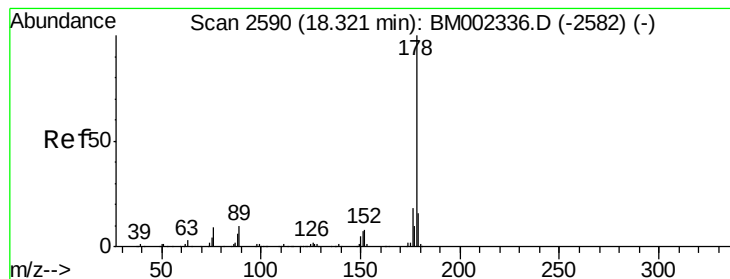


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 6.46 ng/ul

RT: 18.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

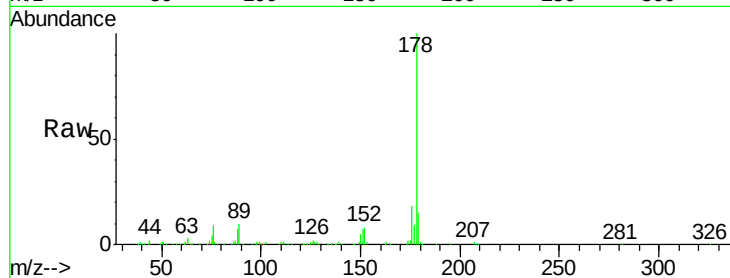
Tgt Ion:178 Resp: 370318

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

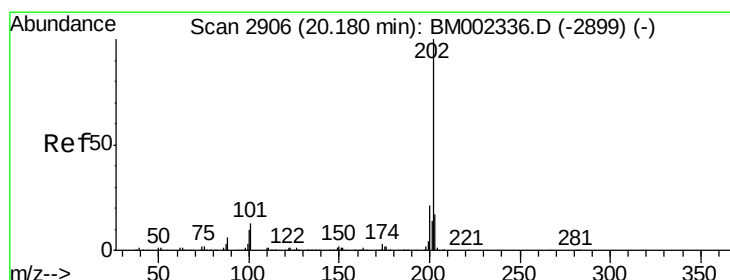
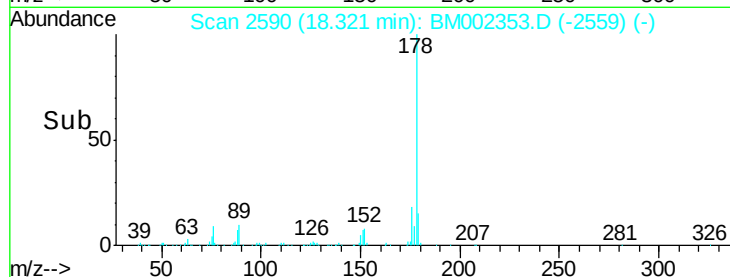
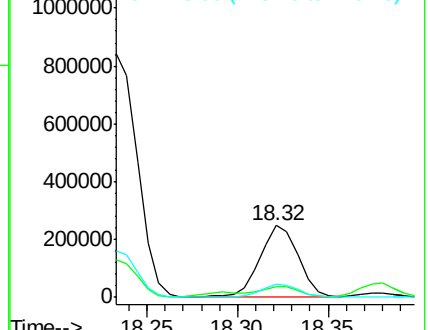
176 17.8 14.5 21.7



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: 29.19 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

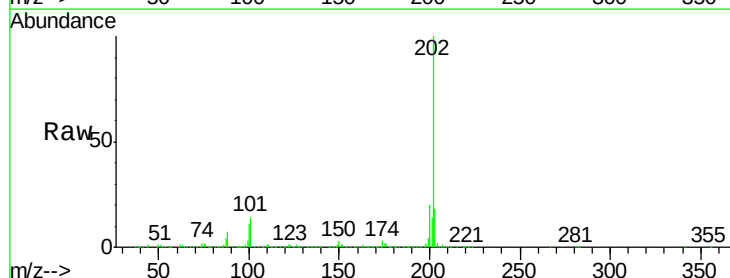
Tgt Ion:202 Resp: 1793014

Ion Ratio Lower Upper

202 100

101 13.8 10.6 15.8

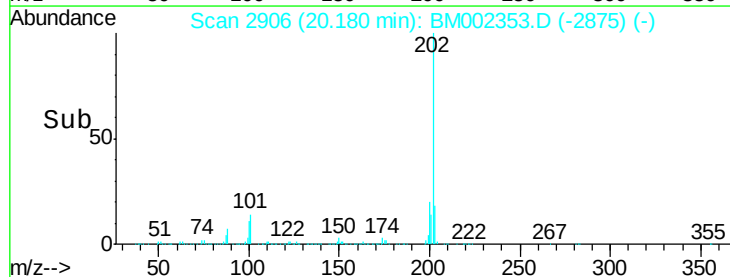
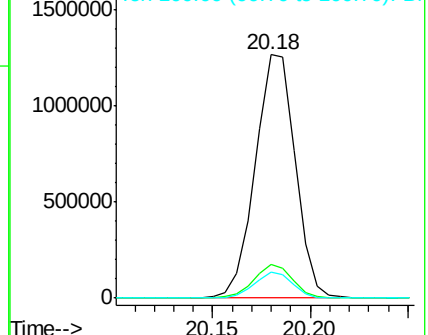
100 10.6 8.2 12.4

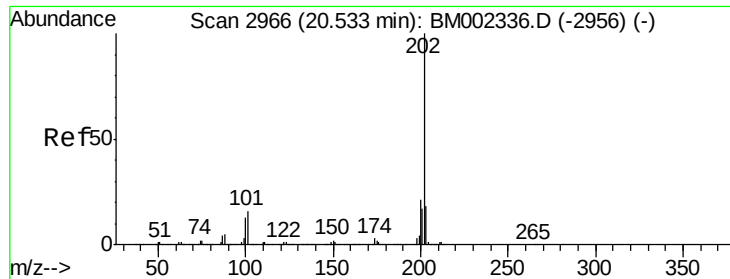


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 30.98 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

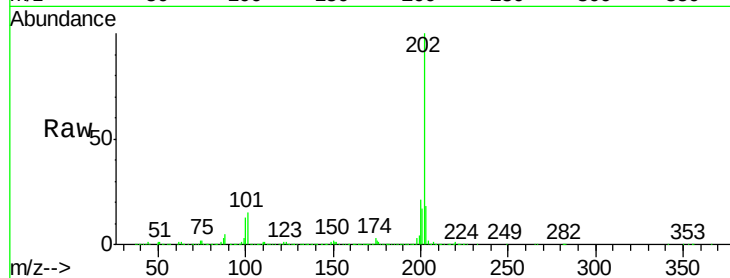
Tgt Ion:202 Resp: 1372957

Ion Ratio Lower Upper

202 100

101 15.4 13.0 19.6

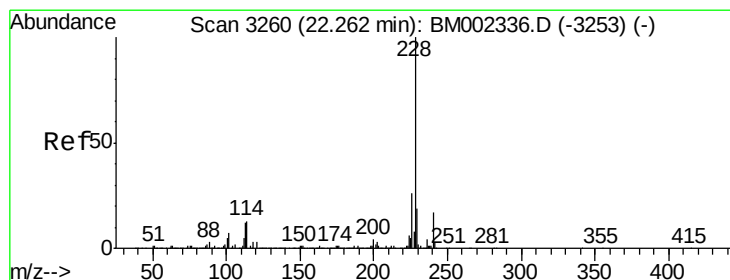
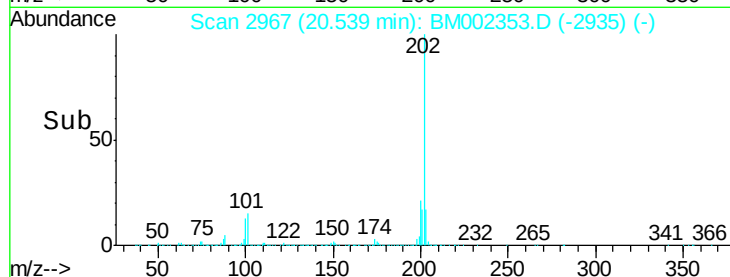
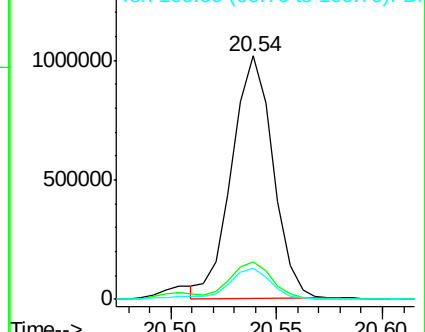
100 12.6 11.0 16.4



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: 24.59 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.01 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

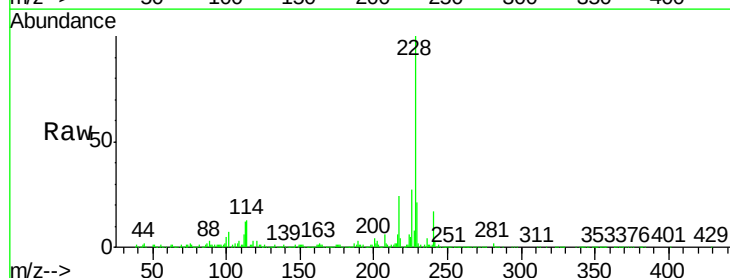
Tgt Ion:228 Resp: 1029141

Ion Ratio Lower Upper

228 100

229 20.8 15.7 23.5

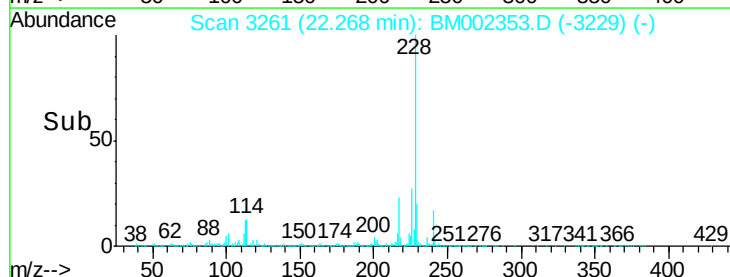
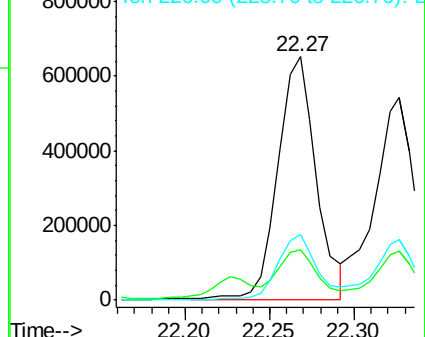
226 27.0 21.4 32.0

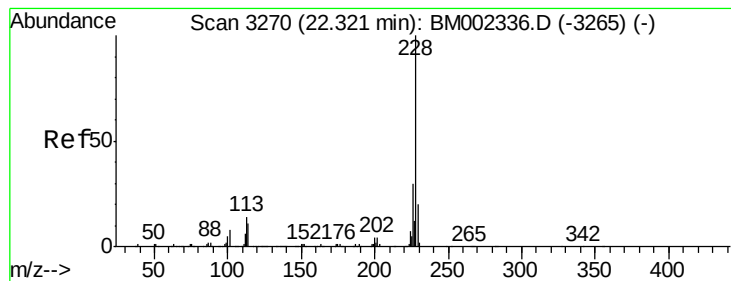


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 25.85 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.07 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

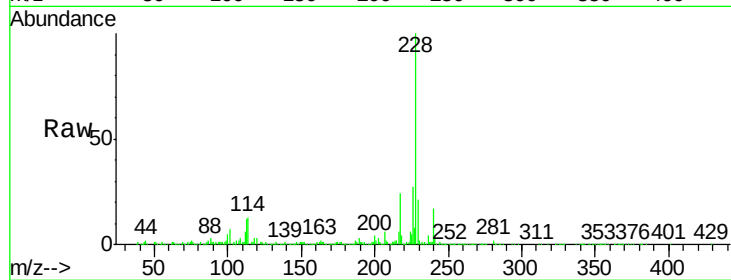
Tgt Ion:228 Resp: 1025051

Ion Ratio Lower Upper

228 100

226 27.0 23.4 35.0

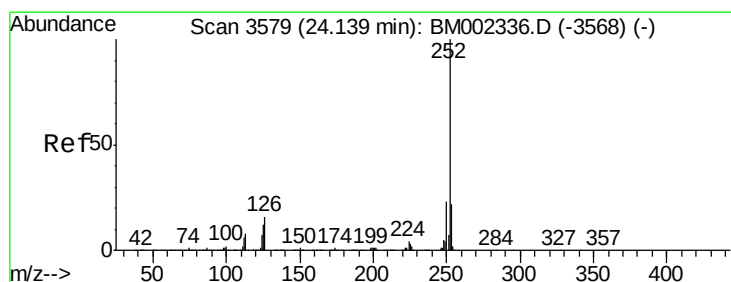
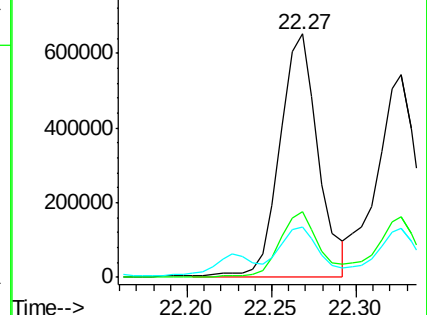
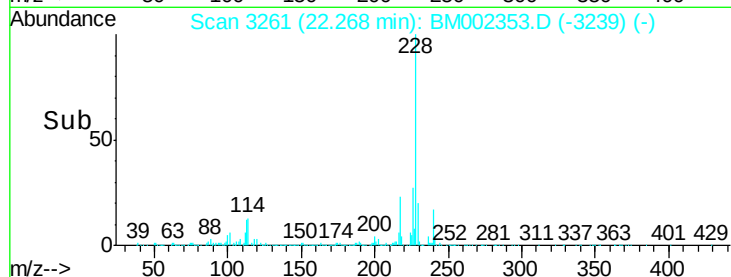
229 20.8 15.5 23.3



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



#23

Benzo(b)fluoranthene

Concen: 30.85 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

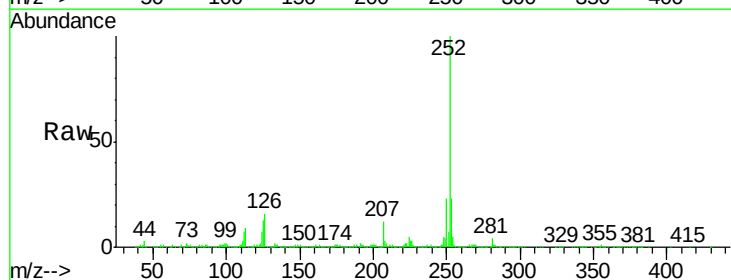
Tgt Ion:252 Resp: 1156864

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

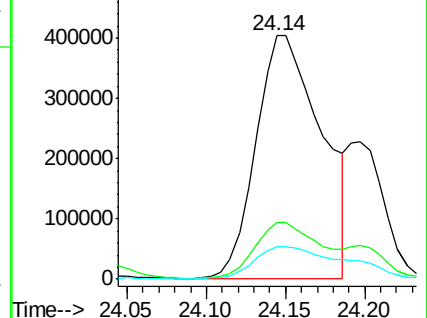
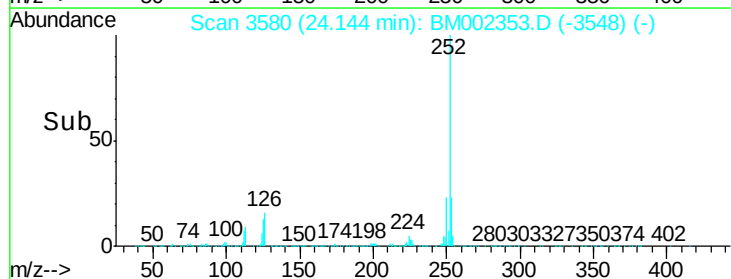
125 13.4 10.3 15.5

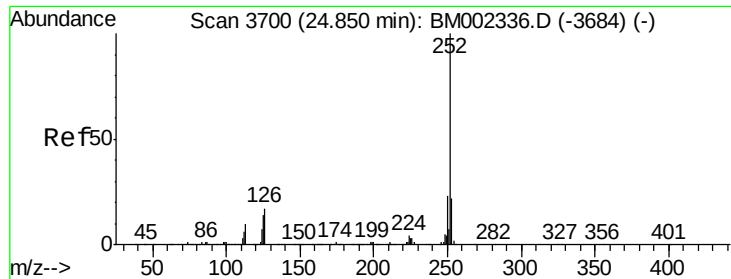


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

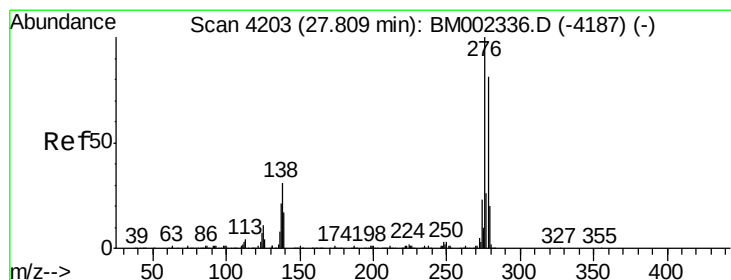
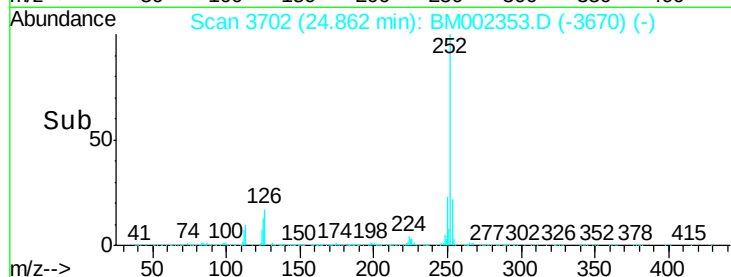
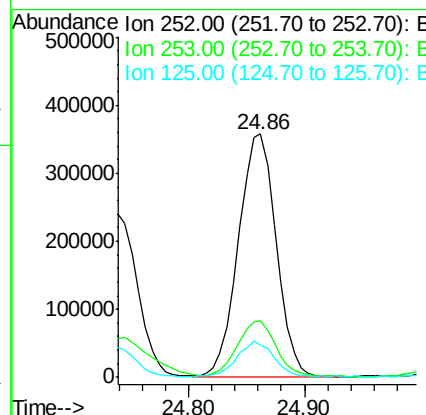
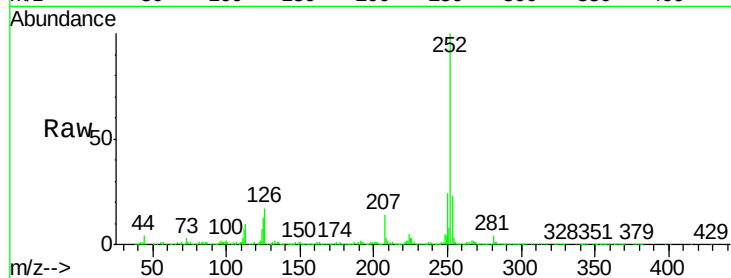




#26
Benzo(a)pyrene
Concen: 22.51 ng/ul
RT: 24.86 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BM002353.D
Acq: 12 Aug 2015 10:05

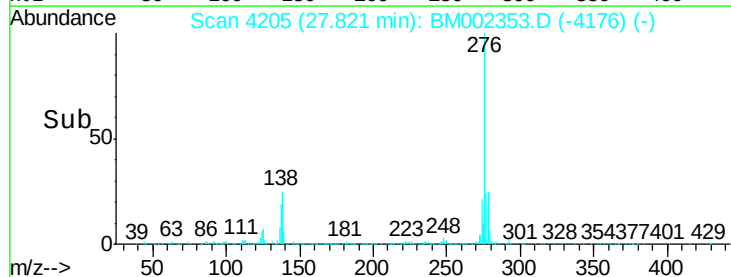
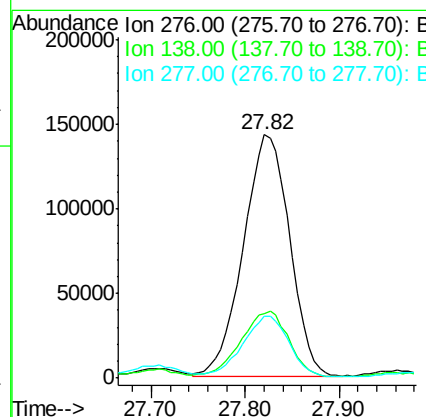
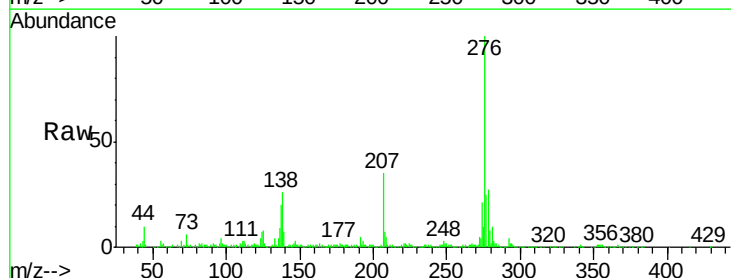
Instrument :
BNA_M
ClientSampleId :
D9C84DL

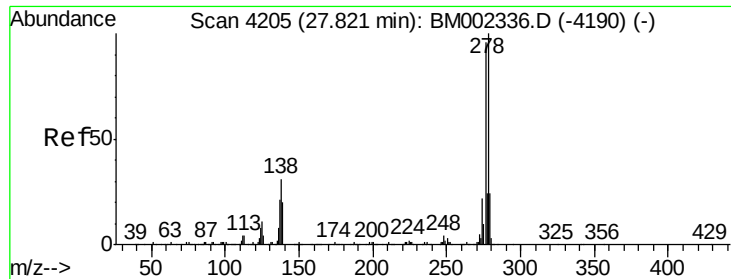
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	13.5	11.0	16.6



#27
Indeno(1,2,3-cd)pyrene
Concen: 11.81 ng/ul
RT: 27.82 min Scan# 4205
Delta R.T. -0.03 min
Lab File: BM002353.D
Acq: 12 Aug 2015 10:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.6	38.4
277	25.5	21.0	31.4





#28

Dibenzo(a,h)anthracene

Concen: 4.66 ng/ul

RT: 27.83 min Scan# 4206

Delta R.T. -0.03 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Instrument :

BNA_M

ClientSampleId :

D9C84DL

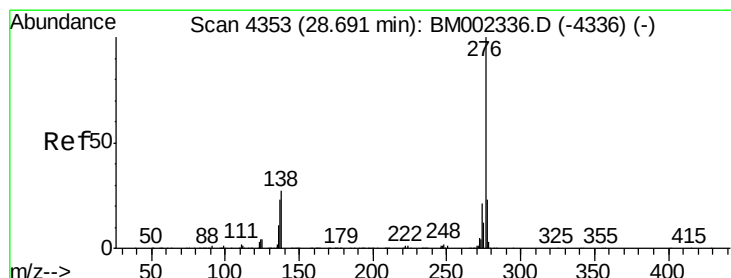
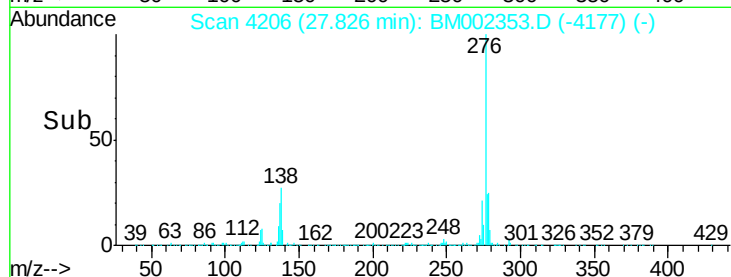
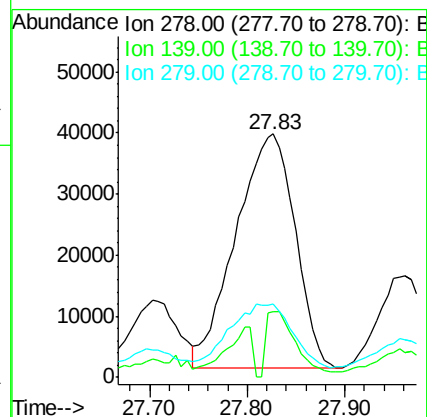
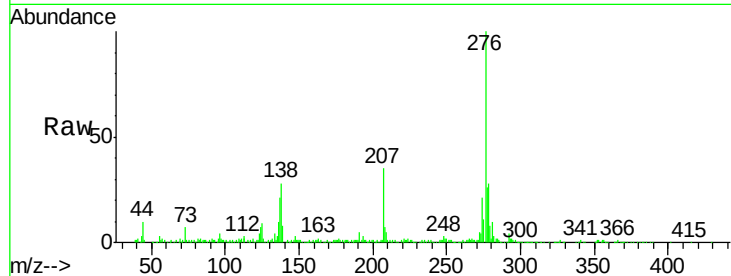
Tgt Ion: 278 Resp: 162384

Ion Ratio Lower Upper

278 100

139 26.9 16.4 24.6#

279 29.9 18.8 28.2#



#29

Benzo(g,h,i)perylene

Concen: 12.00 ng/ul

RT: 28.71 min Scan# 4356

Delta R.T. -0.02 min

Lab File: BM002353.D

Acq: 12 Aug 2015 10:05

Tgt Ion: 276 Resp: 416577

Ion Ratio Lower Upper

276 100

138 26.2 20.5 30.7

277 24.4 19.0 28.6

