

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002358.D
 Acq On : 12 Aug 2015 13:22
 Operator : UM/IZ
 Sample : G3163-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C91

Quant Time: Aug 12 16:13:16 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	205288	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	953660	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	523036	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	964504	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	649723	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	617675	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1507461	27.82	ng/ul	0.00
10) Fluorene-d10	16.46	176	972310	25.80	ng/ul	0.00
14) Anthracene-d10	18.29	188	1271760	27.17	ng/ul	0.00
18) Pyrene-d10	20.51	212	1027416	32.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	846712	25.82	ng/ul	0.01

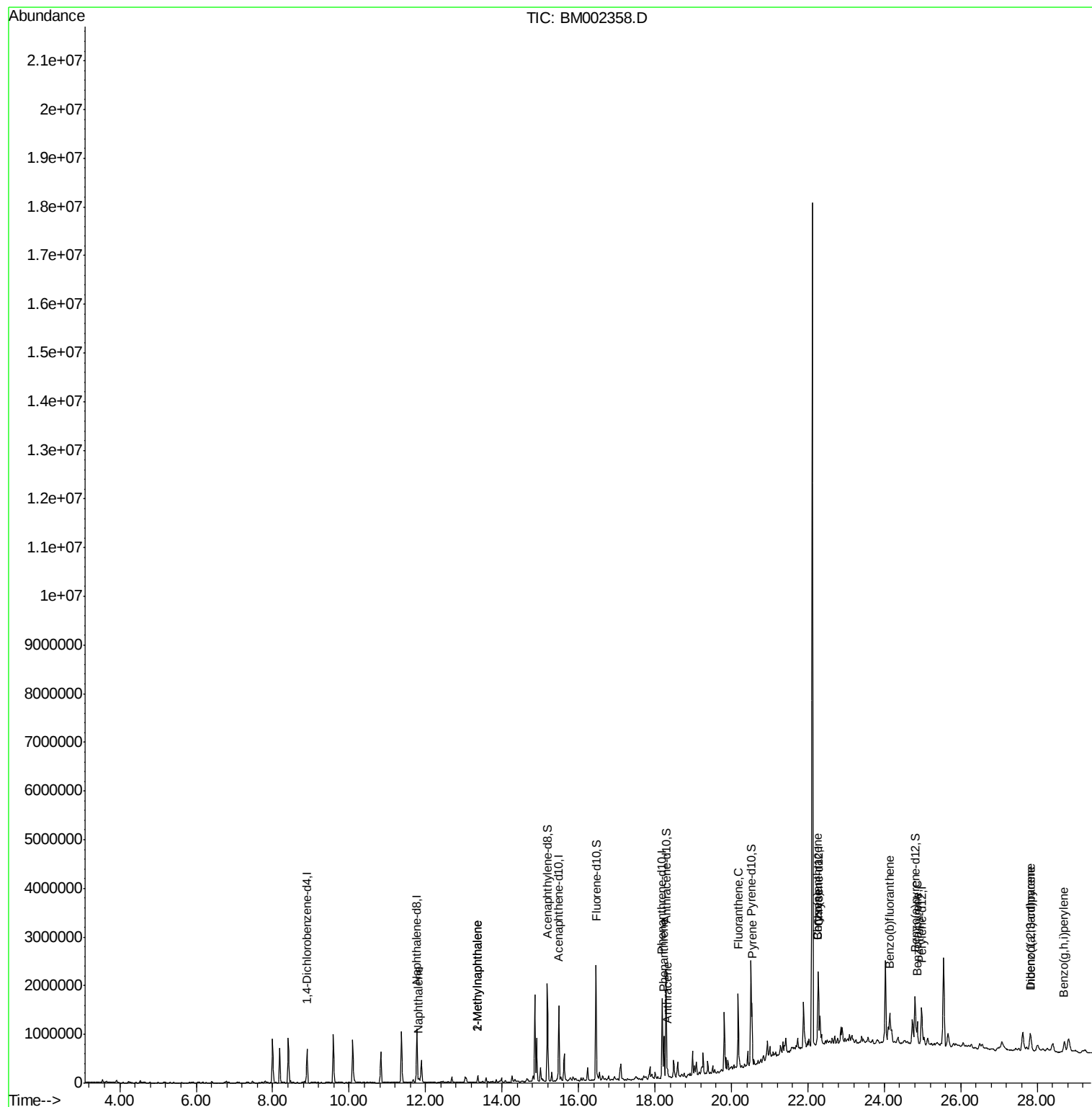
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.82	128	78249	1.56	ng/ul	98
4) 2-Methylnaphthalene	13.37	142	66881	1.86	ng/ul	98
5) 1-Methylnaphthalene	13.37	142	66881	1.89	ng/ul	100
13) Phenanthrene	18.23	178	526894	9.49	ng/ul	100
15) Anthracene	18.33	178	126873	2.21	ng/ul	99
16) Fluoranthene	20.18	202	905420	14.73	ng/ul	99
19) Pyrene	20.54	202	713273	16.98	ng/ul	97
20) Benzo(a)anthracene	22.26	228	371834	9.38	ng/ul	98
21) Chrysene	22.26	228	370496	9.86	ng/ul	95
23) Benzo(b)fluoranthene	24.14	252	571414	14.88	ng/ul	97
26) Benzo(a)pyrene	24.86	252	367650	10.01	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	27.83	276	292758	6.95	ng/ul	94
28) Dibenzo(a,h)anthracene	27.81	278	85464	2.40	ng/ul#	76
29) Benzo(a,h,i)perylene	28.71	276	295564	8.32	ng/ul	97

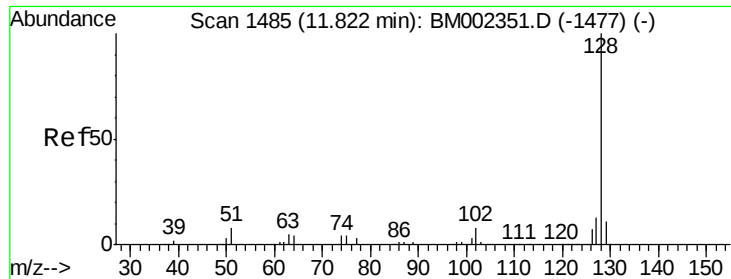
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.56 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampleId :

D9C91

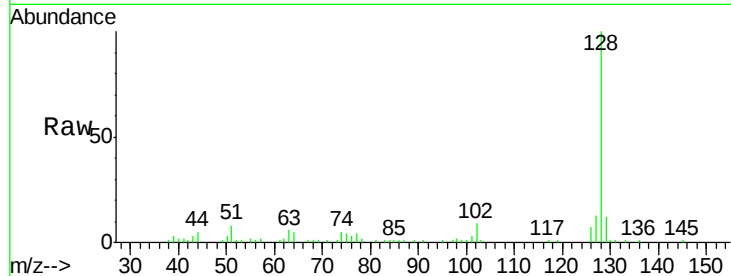
Tot Ion:128 Resp: 78249

Ion Ratio Lower Upper

128 100

129 12.2 8.6 12.8

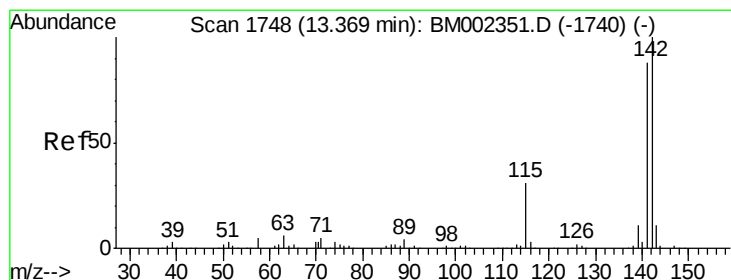
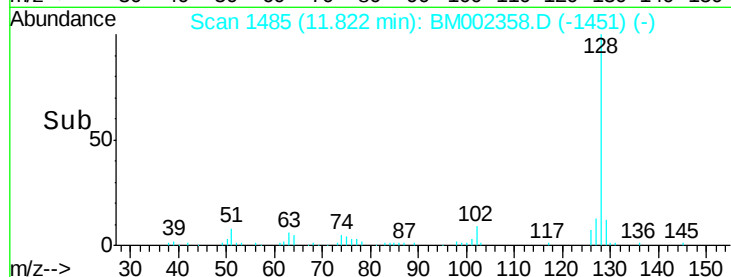
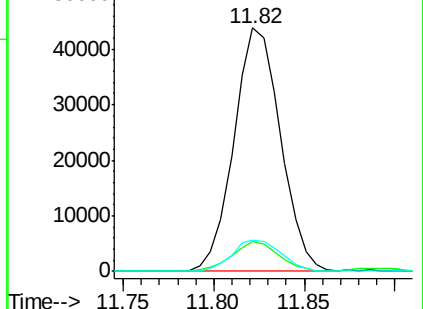
127 12.8 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.86 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM002358.D

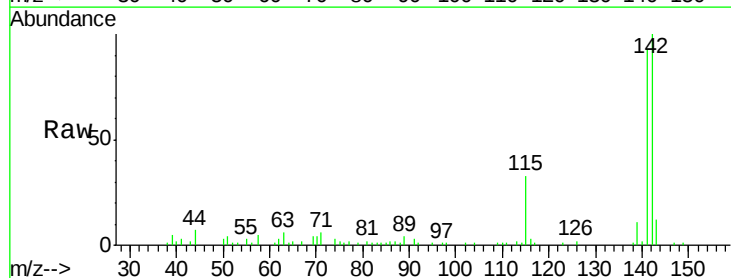
Acq: 12 Aug 2015 13:22

Tgt Ion:142 Resp: 66881

Ion Ratio Lower Upper

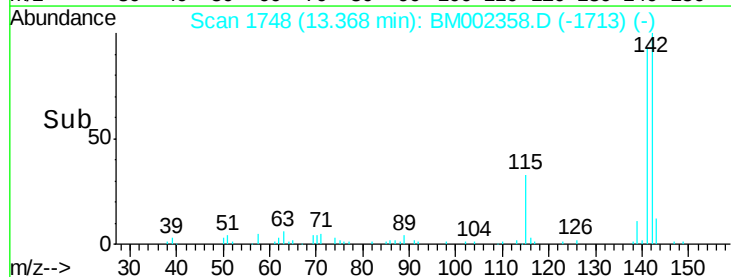
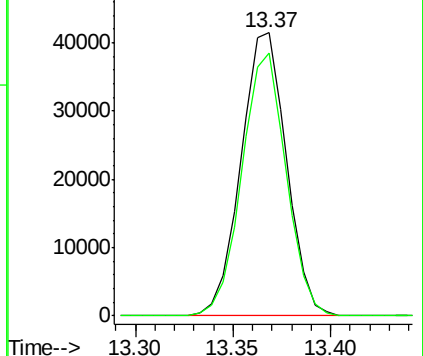
142 100

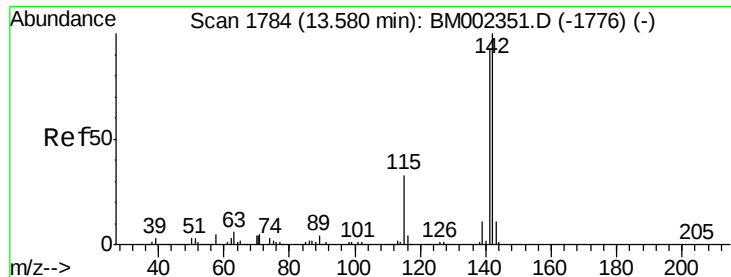
141 92.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.89 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.21 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampled :

D9C91

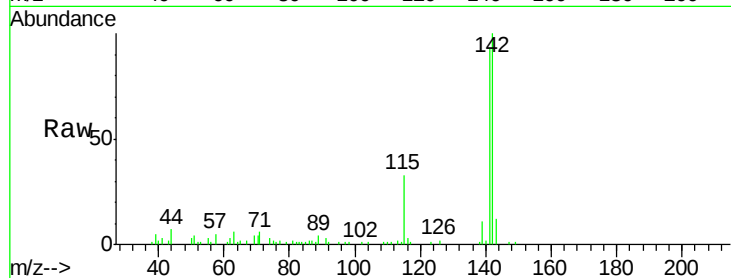
Tot Ion:142 Resp: 66881

Ion Ratio Lower Upper

142 100

141 92.7 74.5 111.7

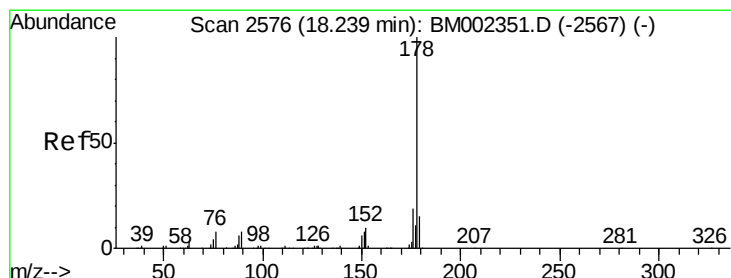
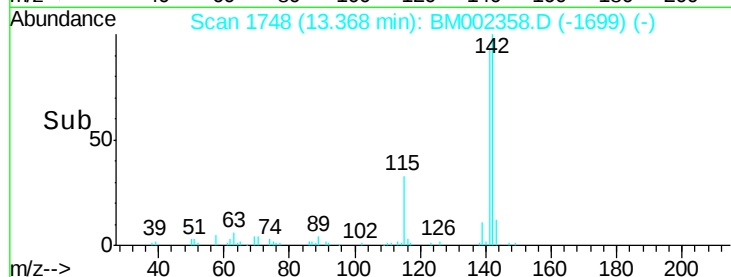
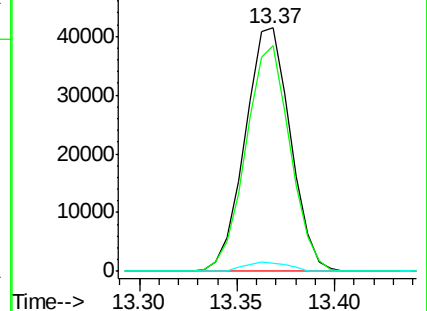
116 3.3 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 9.49 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

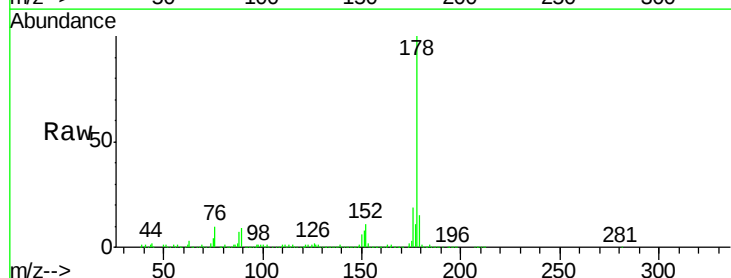
Tgt Ion:178 Resp: 526894

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

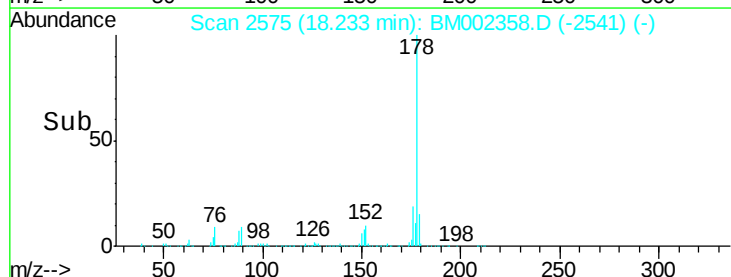
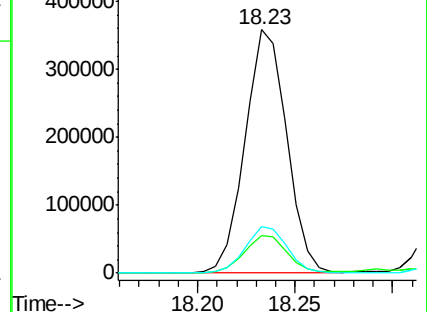
176 18.9 15.3 22.9

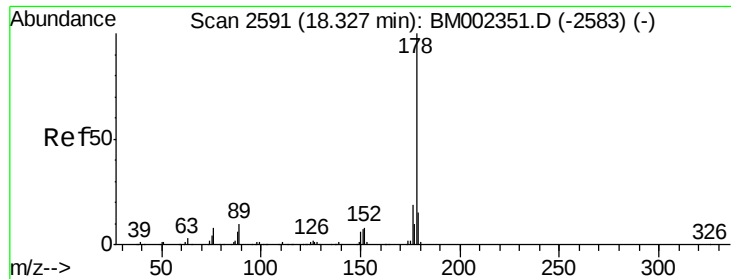


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

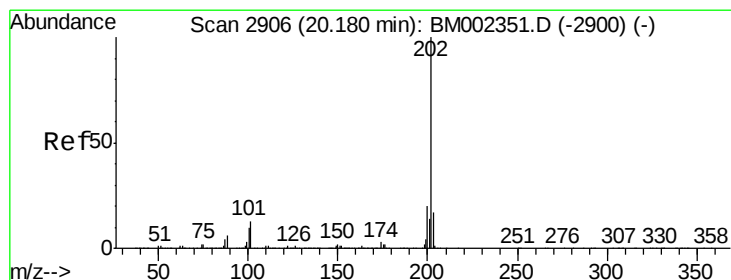
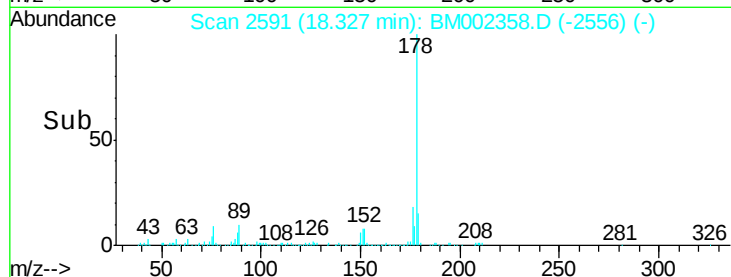
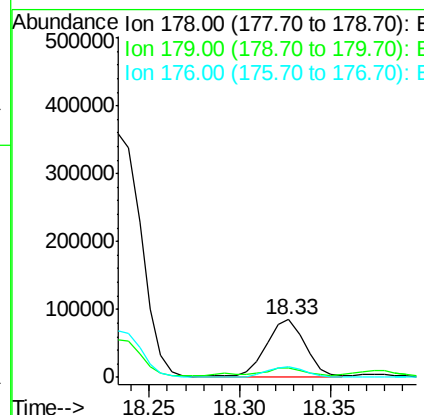
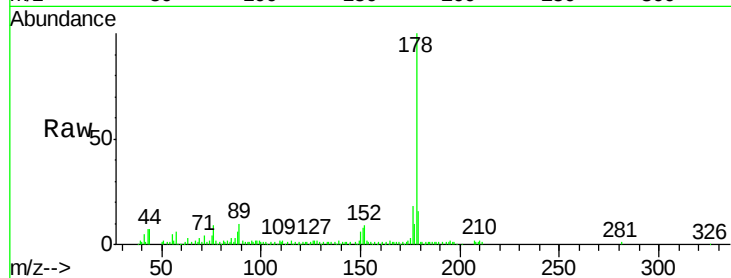




#15
 Anthracene
 Concen: 2.21 ng/ul
 RT: 18.33 min Scan# 2591
 Delta R.T. 0.01 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

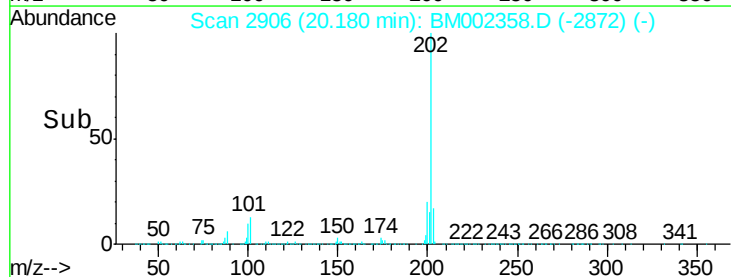
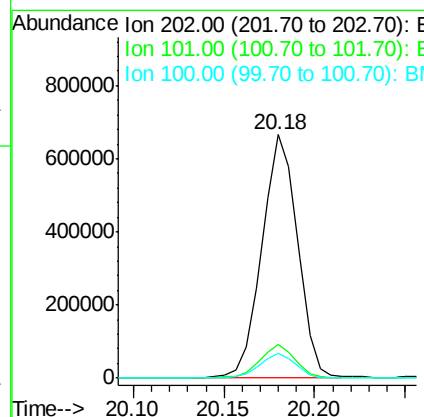
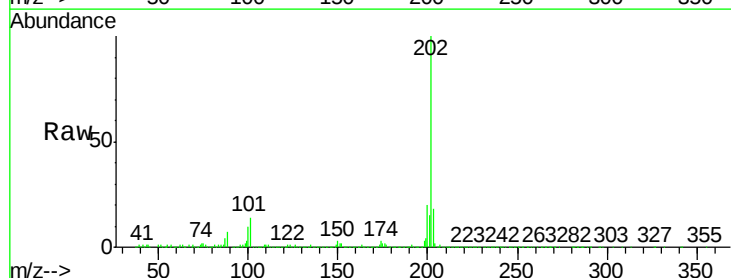
Instrument :
 BNA_M
 ClientSampleId :
 D9C91

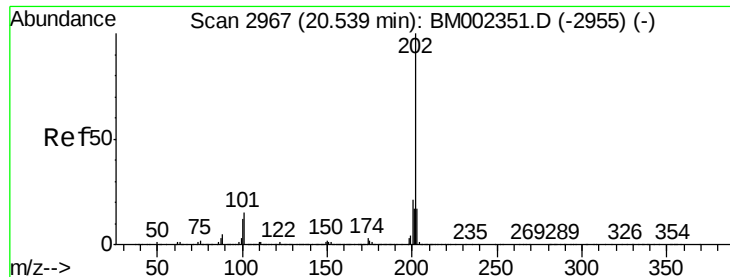
Tot Ion:178 Resp: 126873
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 18.4 14.5 21.7



#16
 Fluoranthene
 Concen: 14.73 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: BM002358.D
 Acq: 12 Aug 2015 13:22

Tgt Ion:202 Resp: 905420
 Ion Ratio Lower Upper
 202 100
 101 13.6 10.6 15.8
 100 10.2 8.2 12.4





#19

Pvrene

Concen: 16.98 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampleId :

D9C91

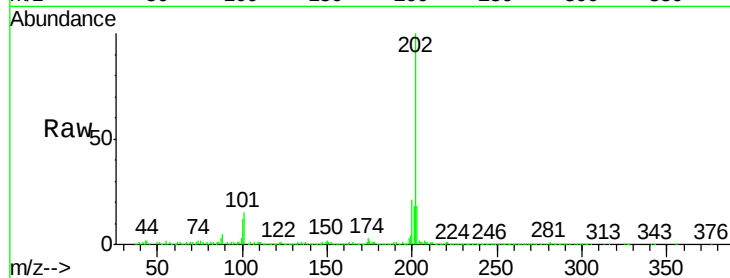
Tot Ion:202 Resp: 713273

Ion Ratio Lower Upper

202 100

101 15.5 13.0 19.6

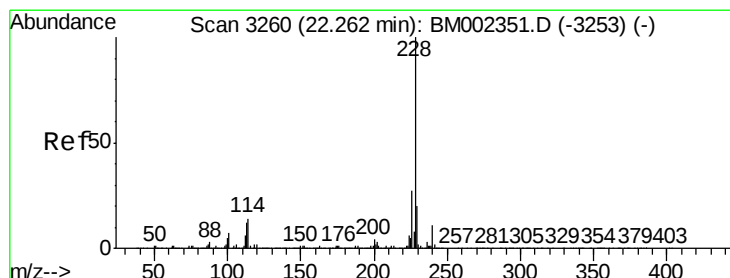
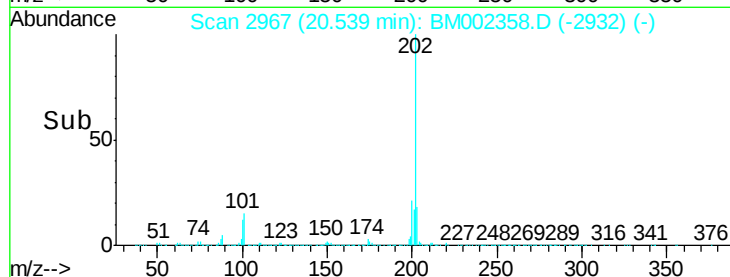
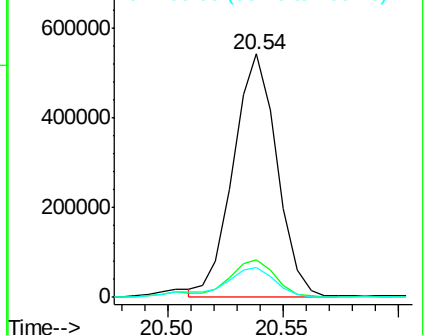
100 12.0 11.0 16.4



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: 9.38 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

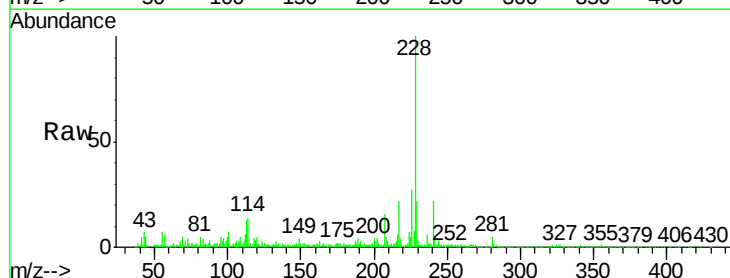
Tgt Ion:228 Resp: 371834

Ion Ratio Lower Upper

228 100

229 21.6 15.7 23.5

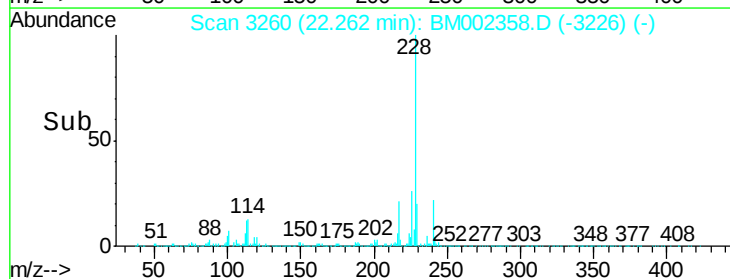
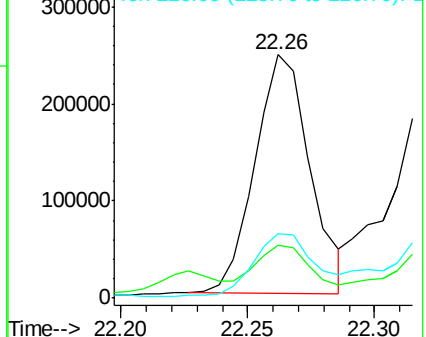
226 26.6 21.4 32.0

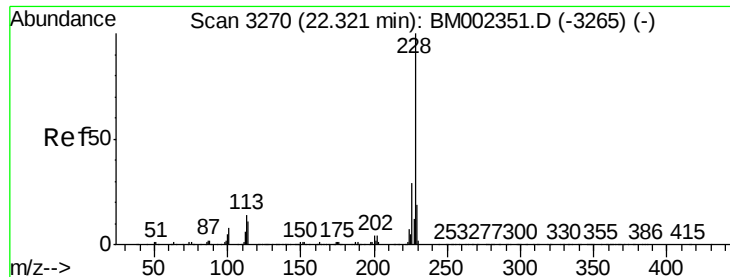


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 9.86 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.06 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

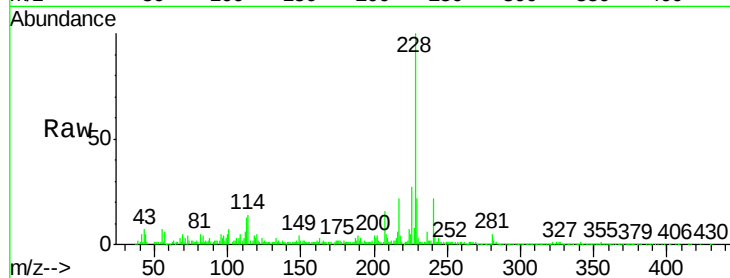
BNA_M

ClientSampleId :

D9C91

Tot Ion:228 Resp: 370496

Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.4	35.0
229	21.6	15.5	23.3

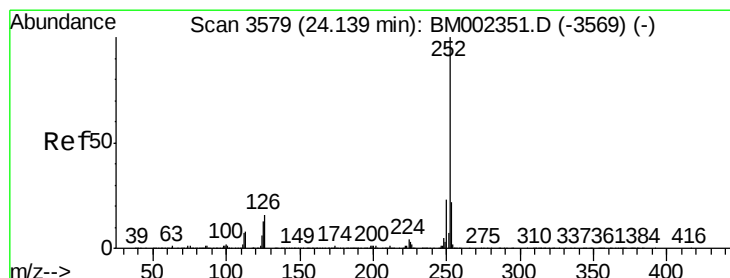
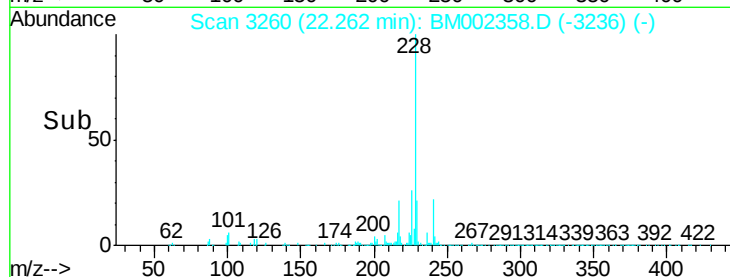
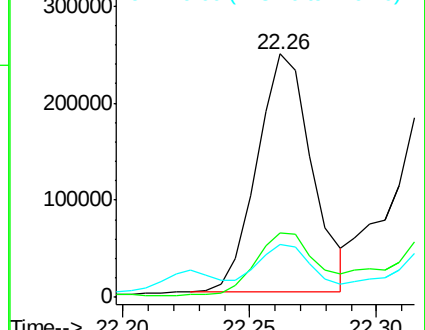


Abundance

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: 14.88 ng/ul

RT: 24.14 min Scan# 3580

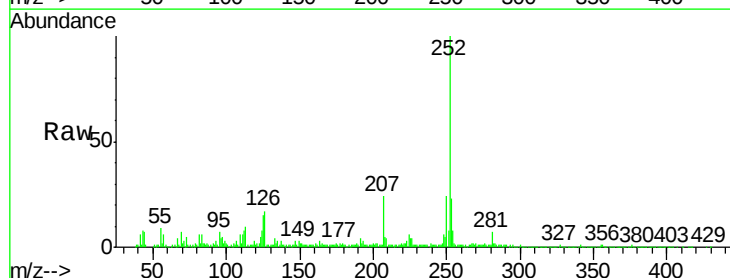
Delta R.T. 0.01 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Tgt Ion:252 Resp: 571414

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.7	10.3	15.5

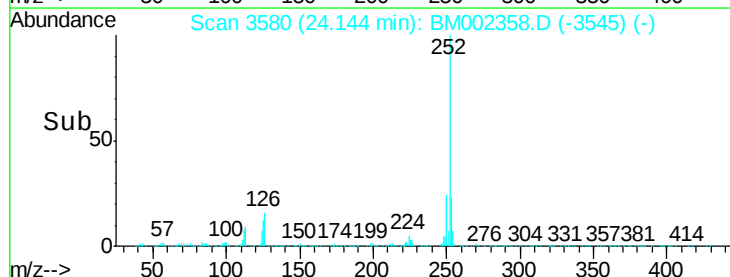
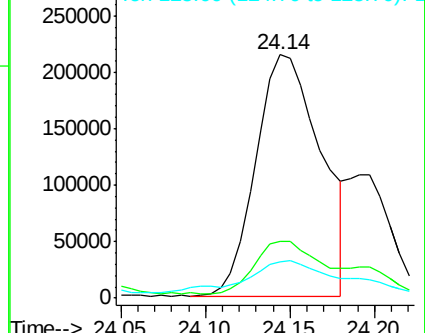


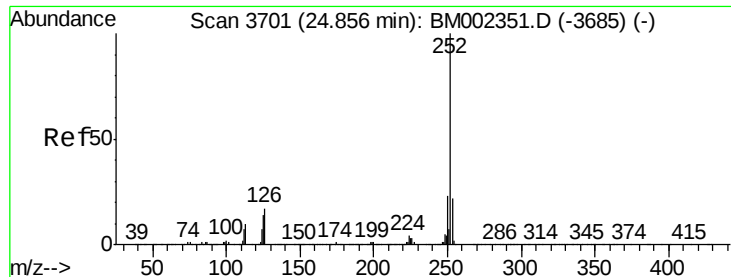
Abundance

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

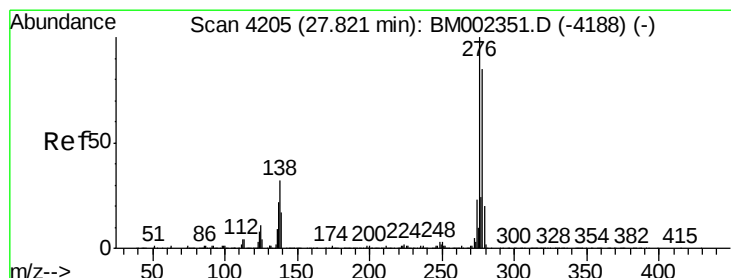
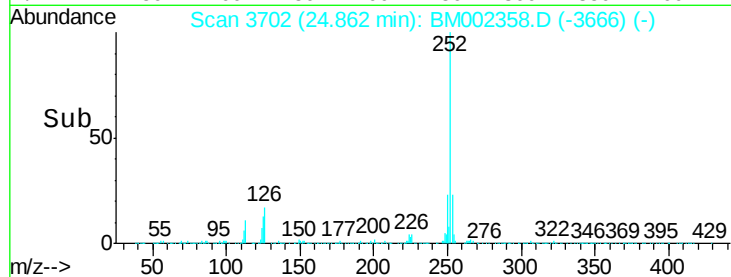
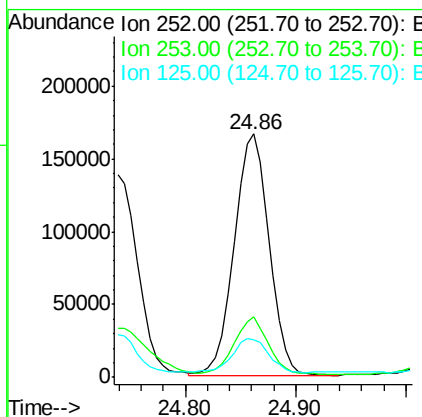
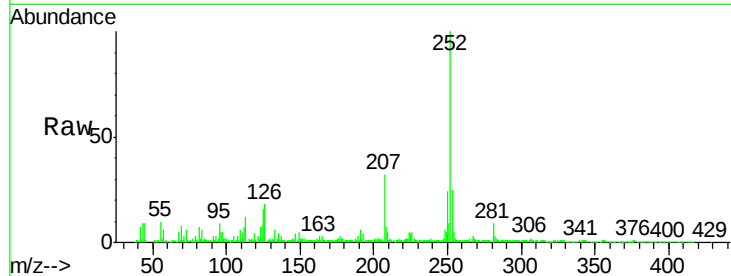




#26
Benzo(a)pyrene
Concen: 10.01 ng/ul
RT: 24.86 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

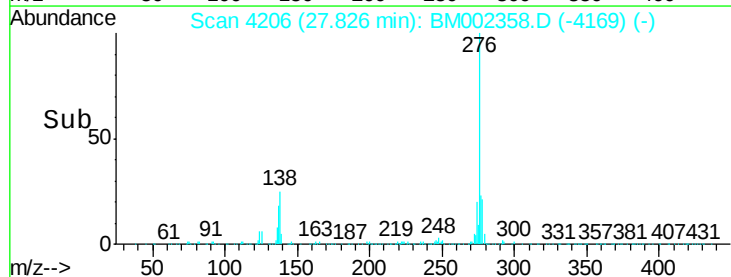
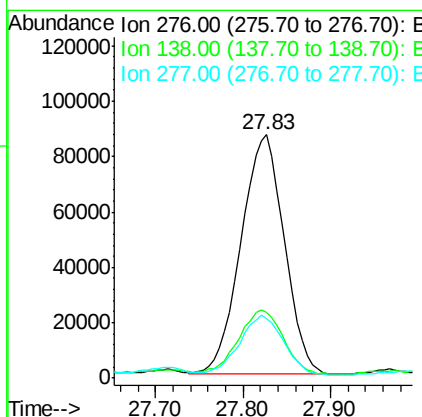
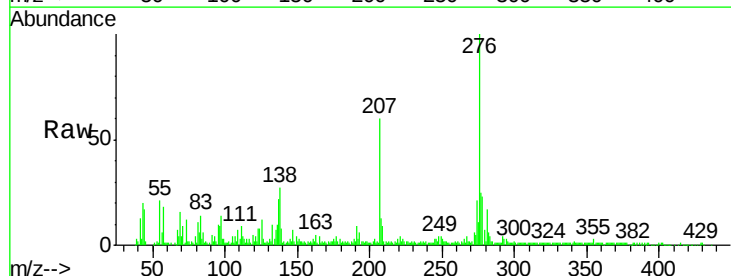
Instrument :
BNA_M
ClientSampleId :
D9C91

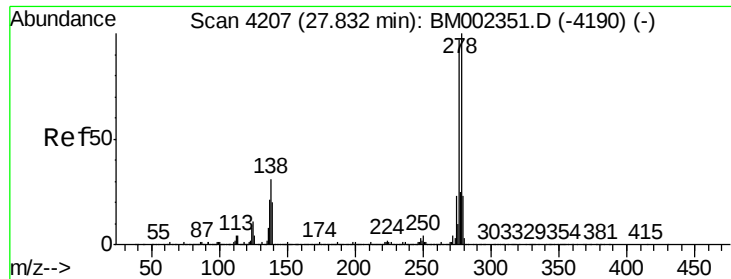
Tot Ion:252 Resp: 367650
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 15.6 11.0 16.6



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.95 ng/ul
RT: 27.83 min Scan# 4206
Delta R.T. 0.02 min
Lab File: BM002358.D
Acq: 12 Aug 2015 13:22

Tgt Ion:276 Resp: 292758
Ion Ratio Lower Upper
276 100
138 27.0 25.6 38.4
277 24.6 21.0 31.4





#28

Dibenzo(a,h)anthracene

Concen: 2.40 ng/ul

RT: 27.81 min Scan# 4204

Delta R.T. -0.01 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

Instrument :

BNA_M

ClientSampleId :

D9C91

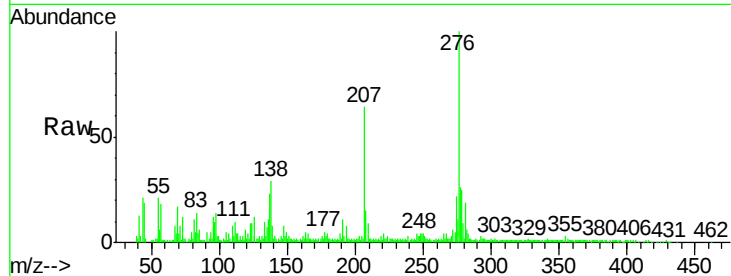
Tot Ion:278 Resp: 85464

Ion Ratio Lower Upper

278 100

139 30.8 16.4 24.6#

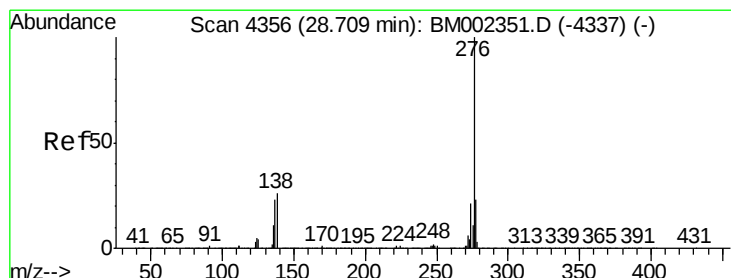
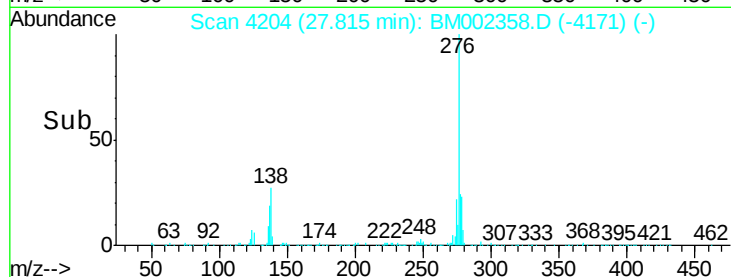
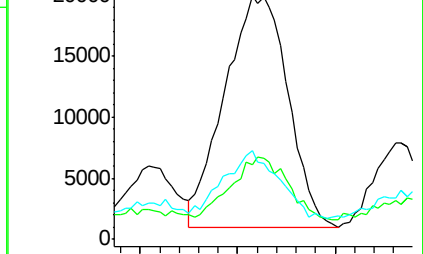
279 36.2 18.8 28.2#



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



#29

Benzo(g,h,i)perylene

Concen: 8.32 ng/ul

RT: 28.71 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BM002358.D

Acq: 12 Aug 2015 13:22

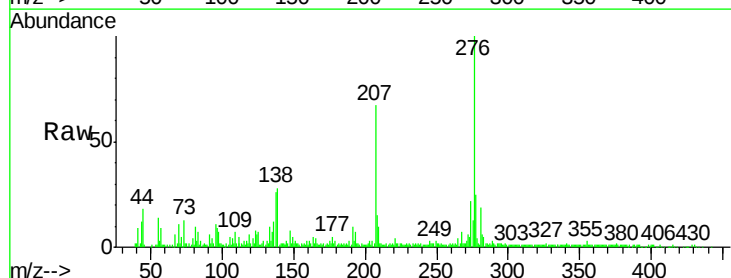
Tgt Ion:276 Resp: 295564

Ion Ratio Lower Upper

276 100

138 27.7 20.5 30.7

277 25.1 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

