

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002355.D
 Acq On : 12 Aug 2015 11:33
 Operator : UM/IZ
 Sample : G3163-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C88

Quant Time: Aug 12 16:12:48 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	201900	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	912451	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	487820	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	953204	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	672710	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	592039	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1299035	25.70	ng/ul	0.00
10) Fluorene-d10	16.46	176	848739	24.15	ng/ul	0.00
14) Anthracene-d10	18.29	188	1138849	24.62	ng/ul	0.00
18) Pyrene-d10	20.51	212	975933	29.91	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	718018	22.84	ng/ul	0.01

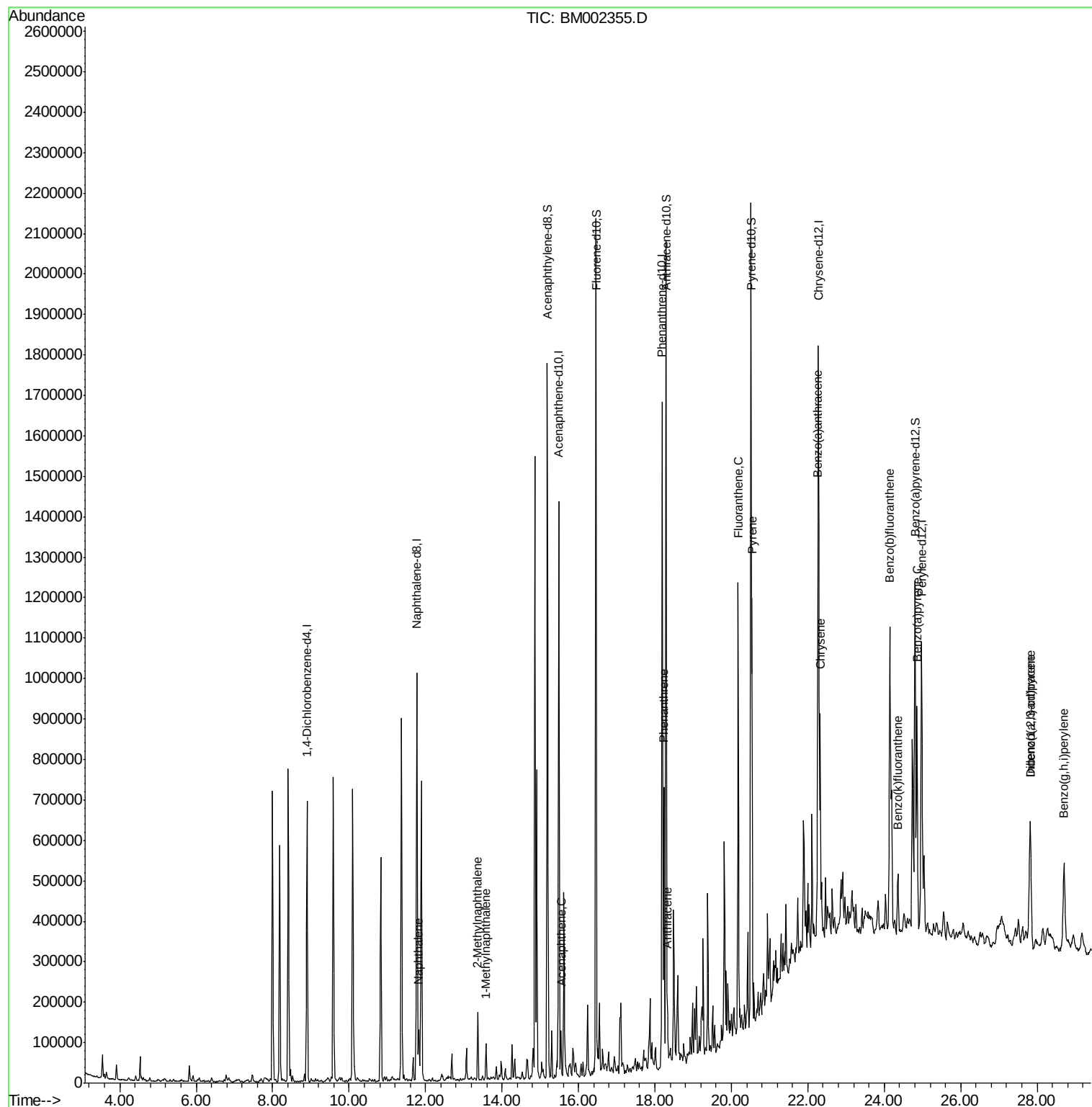
Target Compounds				Ovalue		
3) Naphthalene	11.82	128	110745	2.31	ng/ul	98
4) 2-Methylnaphthalene	13.36	142	83789	2.44	ng/ul	100
5) 1-Methylnaphthalene	13.58	142	43731	1.29	ng/ul	99
9) Acenaphthene	15.54	153	40051	1.13	ng/ul	96
13) Phenanthrene	18.23	178	421305	7.68	ng/ul	100
15) Anthracene	18.32	178	103081	1.82	ng/ul	99
16) Fluoranthene	20.18	202	651400	10.72	ng/ul	100
19) Pyrene	20.54	202	598311	13.76	ng/ul	97
20) Benzo(a)anthracene	22.26	228	354960	8.64	ng/ul	98
21) Chrysene	22.32	228	381553	9.80	ng/ul	96
23) Benzo(b)fluoranthene	24.14	252	713154	19.38	ng/ul	98
24) Benzo(k)fluoranthene	24.36	252	97415	2.76	ng/ul#	91
26) Benzo(a)pyrene	24.86	252	440568	12.51	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.82	276	327692	8.12	ng/ul	93
28) Dibenzo(a,h)anthracene	27.81	278	86280	2.52	ng/ul#	73
29) Benzo(a,h,i)perylene	28.70	276	290693	8.54	ng/ul	97

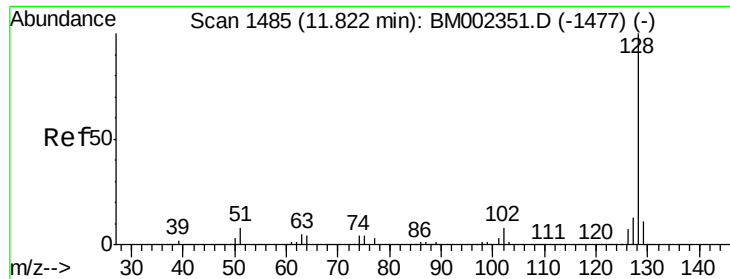
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
Data File : BM002355.D
Acq On : 12 Aug 2015 11:33
Operator : UM/IZ
Sample : G3163-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9C88

Quant Time: Aug 12 16:12:48 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





#3

Naphthalene

Concen: 2.31 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

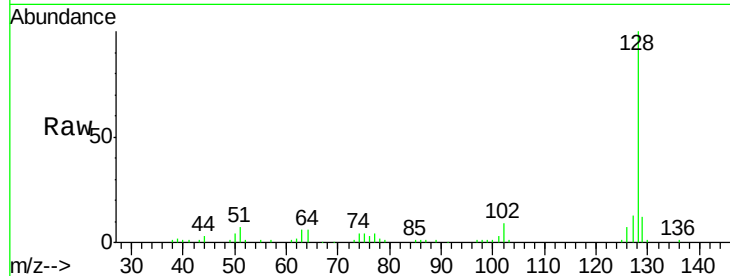
Tot Ion:128 Resp: 110745

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

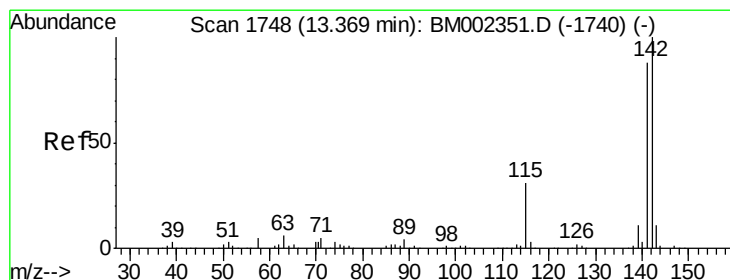
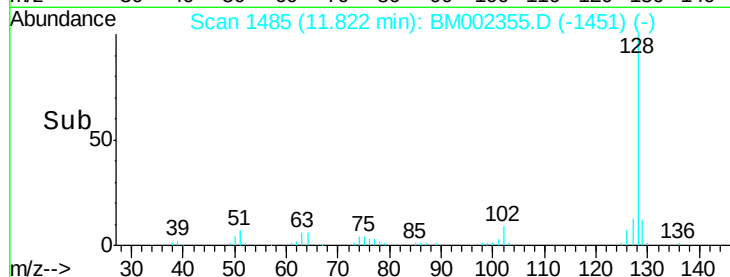
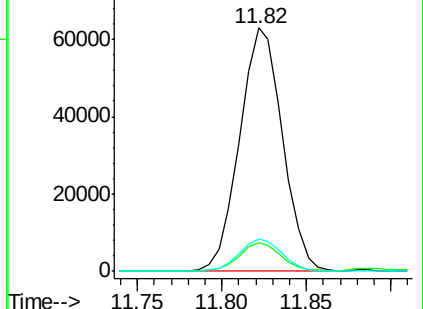
127 13.3 10.4 15.6



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: 2.44 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BM002355.D

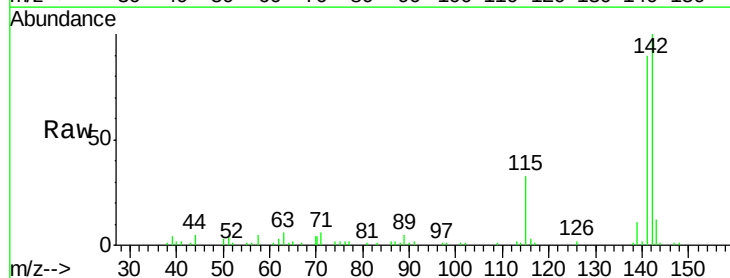
Acq: 12 Aug 2015 11:33

Tgt Ion:142 Resp: 83789

Ion Ratio Lower Upper

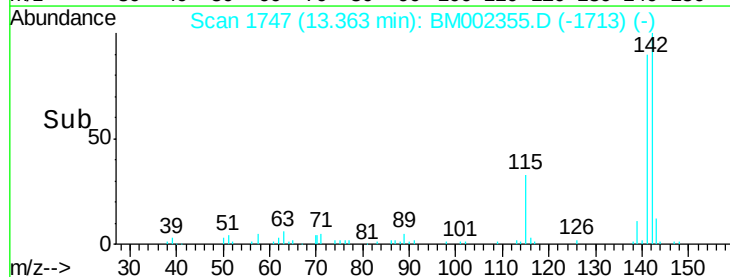
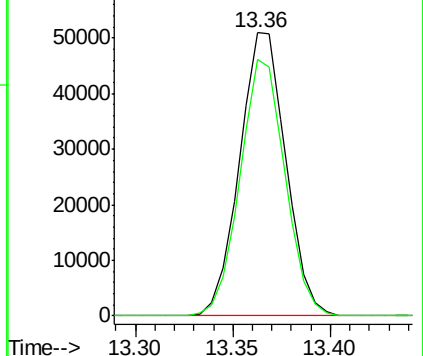
142 100

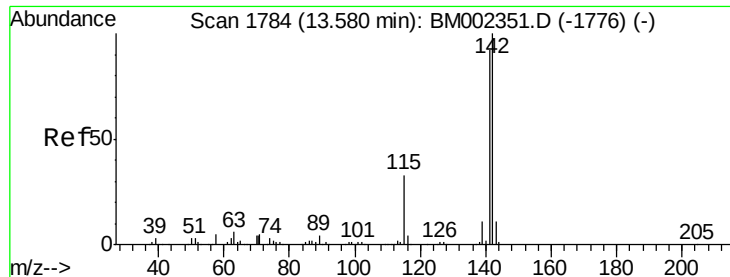
141 90.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.29 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

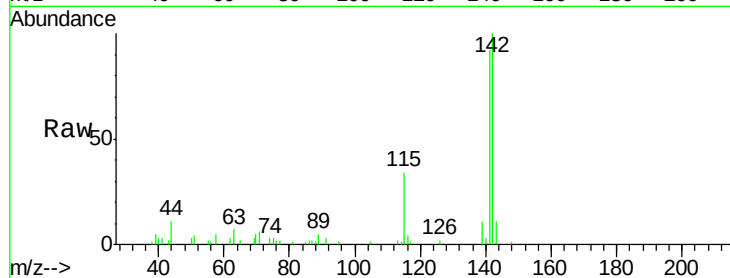
Tot Ion:142 Resp: 43731

Ion Ratio Lower Upper

142 100

141 92.2 74.5 111.7

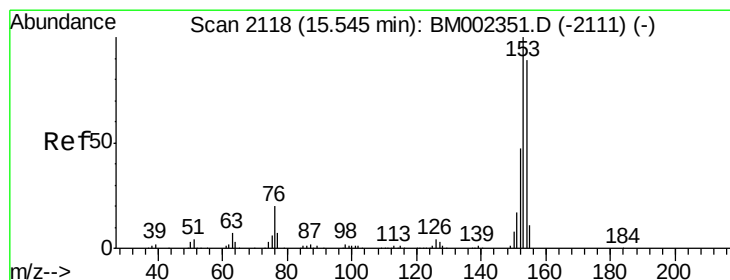
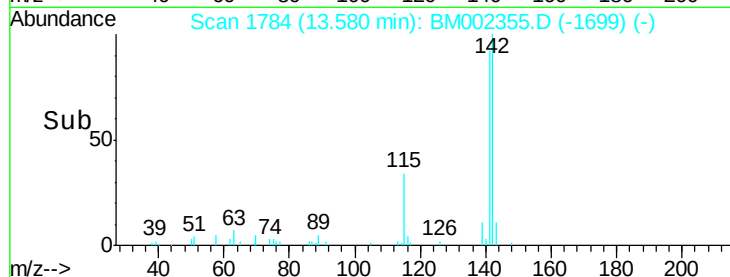
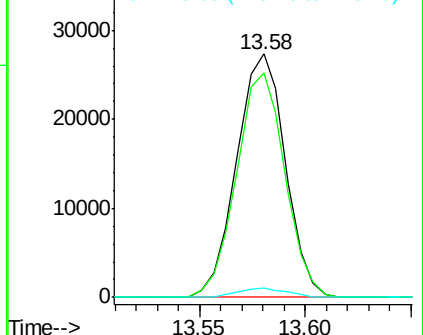
116 3.9 3.0 4.4



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



#9

Acenaphthene

Concen: 1.13 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

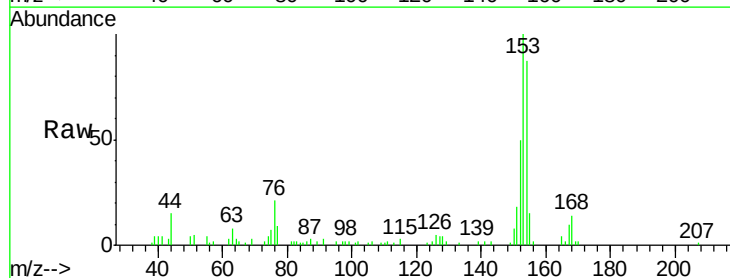
Tgt Ion:153 Resp: 40051

Ion Ratio Lower Upper

153 100

152 49.8 36.6 55.0

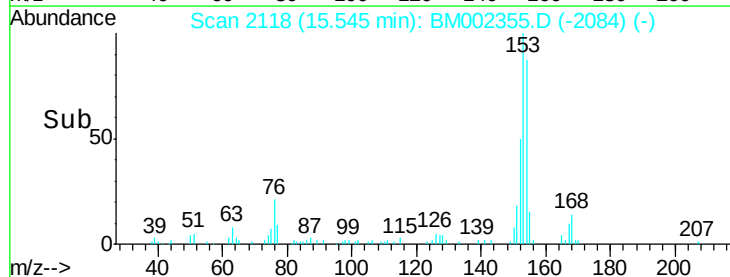
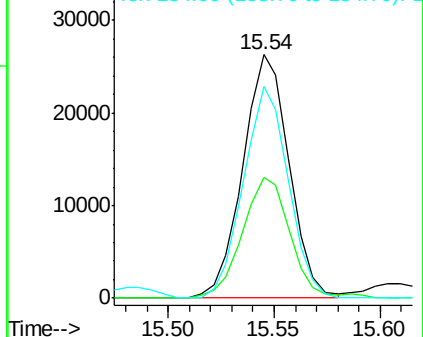
154 86.9 71.5 107.3

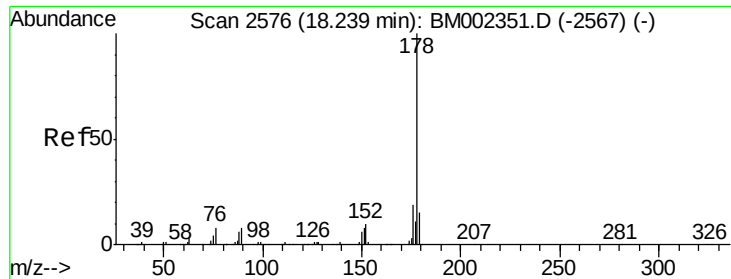


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

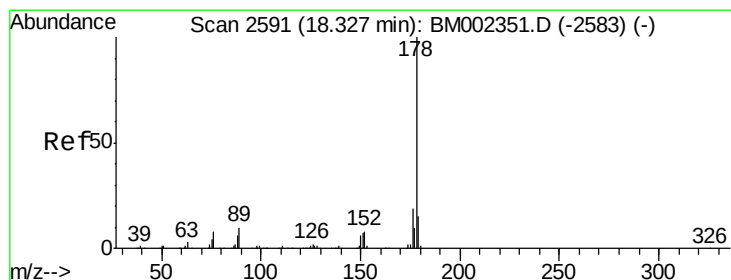
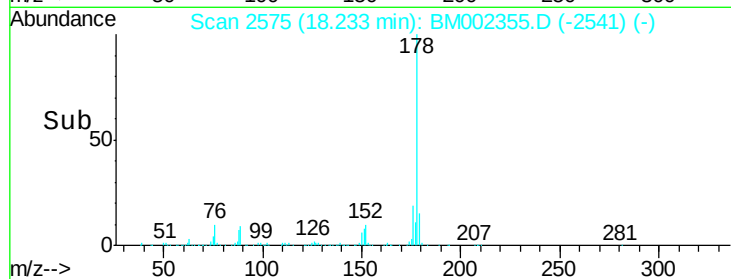
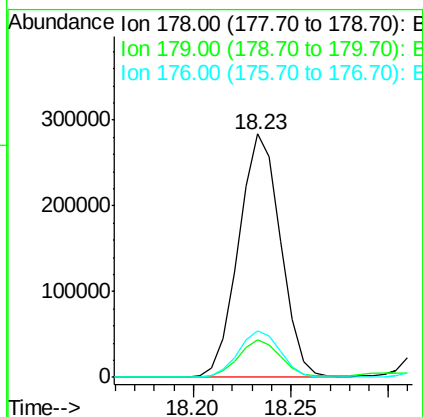
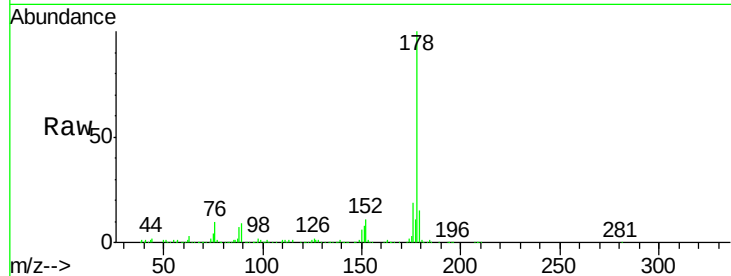




#13
Phenanthrene
Concen: 7.68 ng/ul
RT: 18.23 min Scan# 2575
Delta R.T. -0.00 min
Lab File: BM002355.D
Acq: 12 Aug 2015 11:33

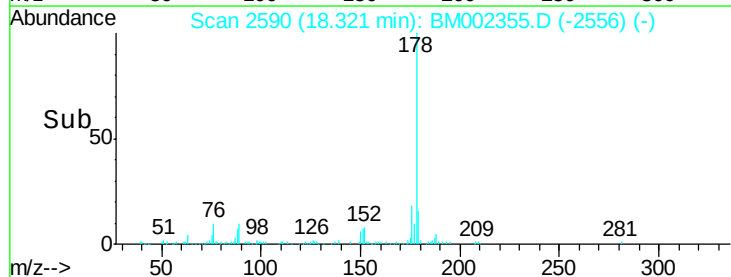
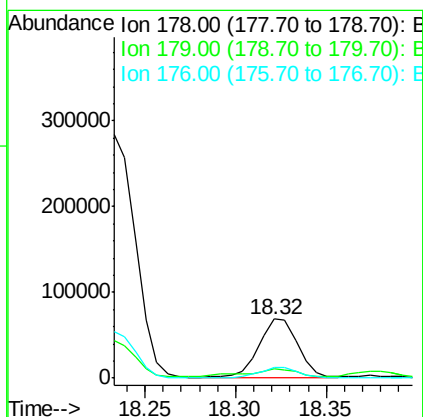
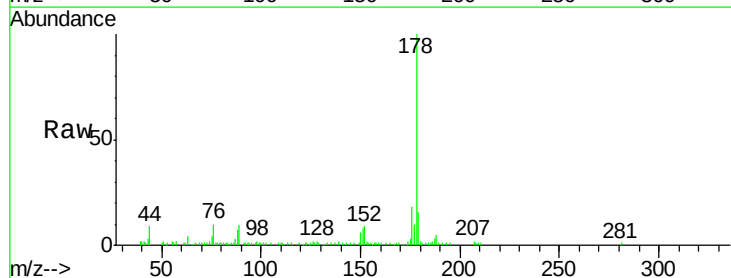
Instrument :
BNA_M
ClientSampleId :
D9C88

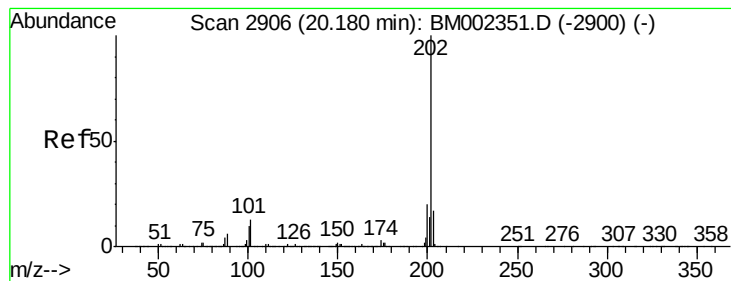
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.0	15.3	22.9



#15
Anthracene
Concen: 1.82 ng/ul
RT: 18.32 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BM002355.D
Acq: 12 Aug 2015 11:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	17.8	14.5	21.7





#16

Fluoranthene

Concen: 10.72 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

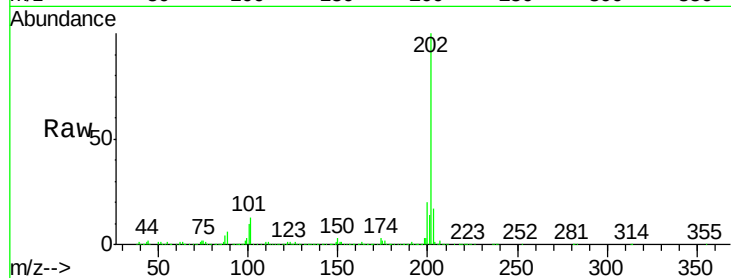
Tot Ion:202 Resp: 651400

Ion Ratio Lower Upper

202 100

101 13.2 10.6 15.8

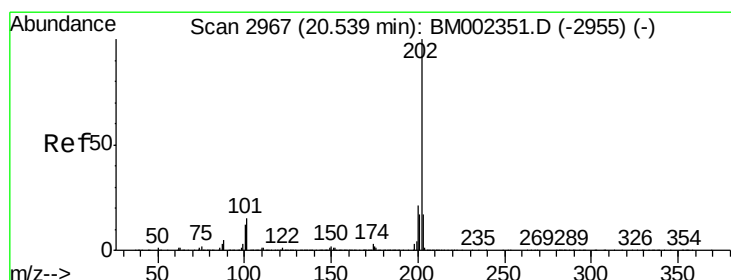
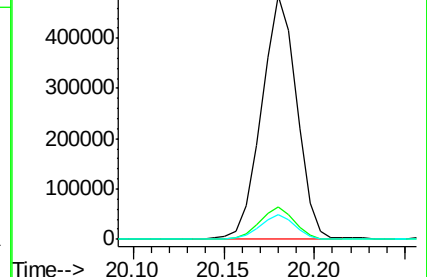
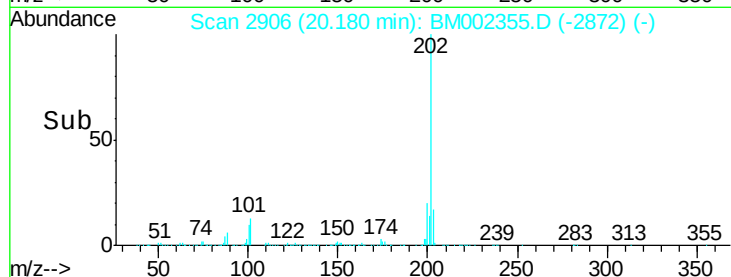
100 10.2 8.2 12.4



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: 13.76 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

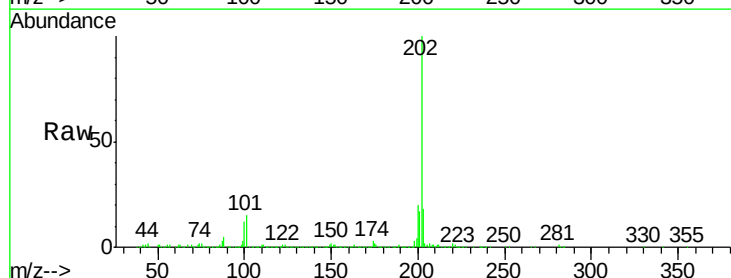
Tgt Ion:202 Resp: 598311

Ion Ratio Lower Upper

202 100

101 15.0 13.0 19.6

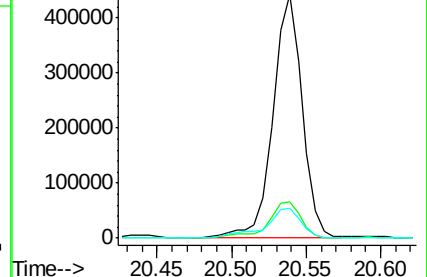
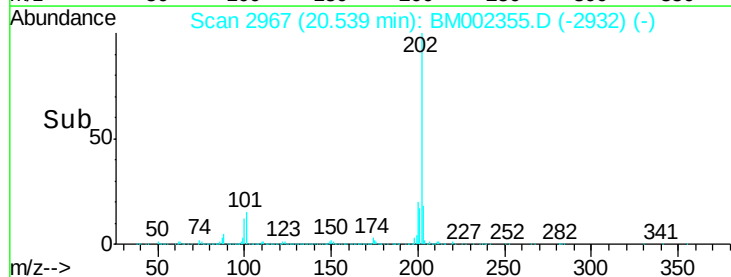
100 12.2 11.0 16.4

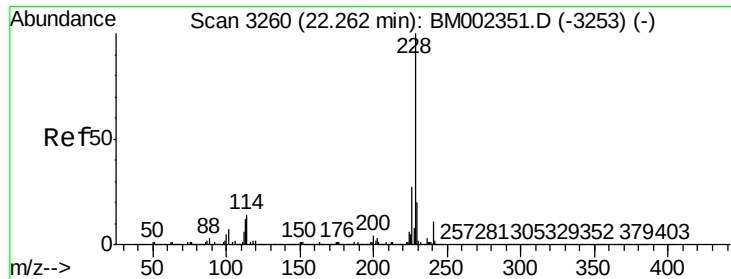


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 8.64 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

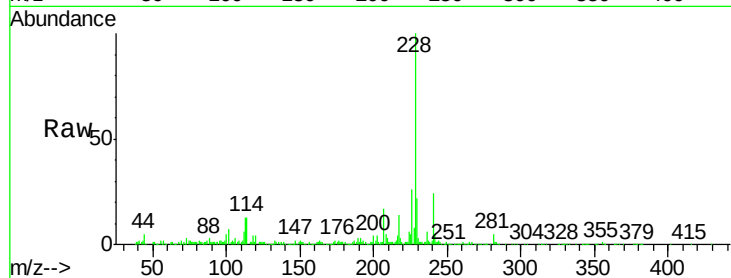
Tot Ion:228 Resp: 354960

Ion Ratio Lower Upper

228 100

229 21.7 15.7 23.5

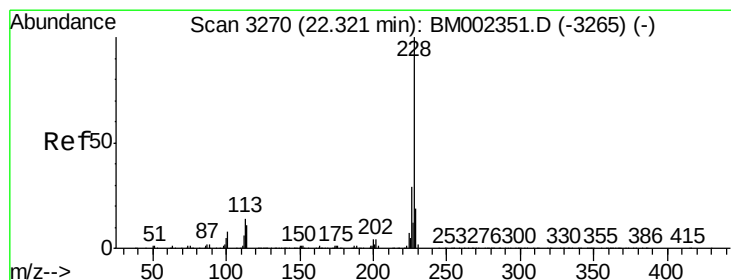
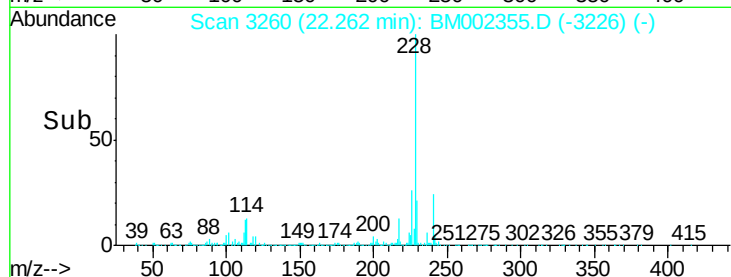
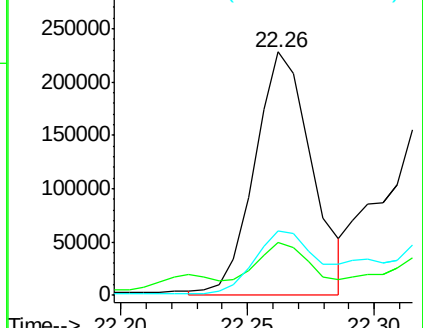
226 26.3 21.4 32.0



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: 9.80 ng/ul

RT: 22.32 min Scan# 3270

Delta R.T. -0.00 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

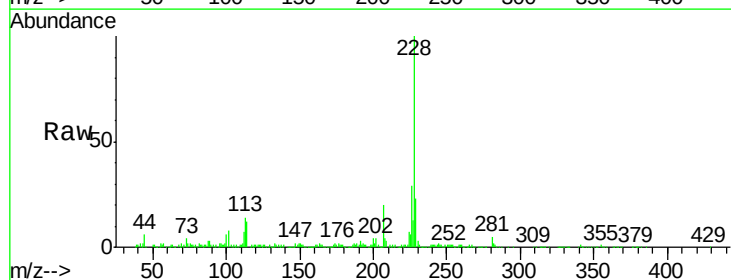
Tgt Ion:228 Resp: 381553

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

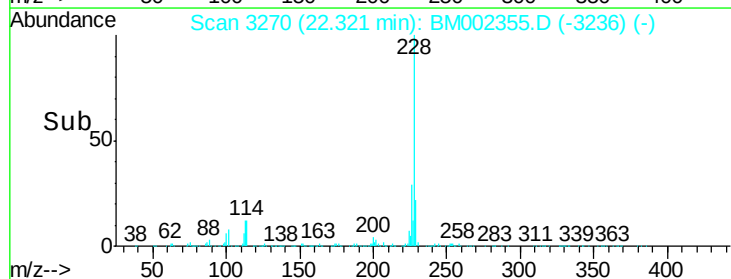
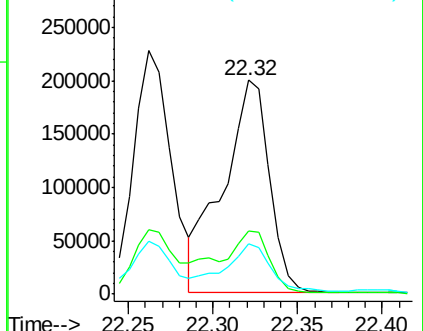
229 23.3 15.5 23.3

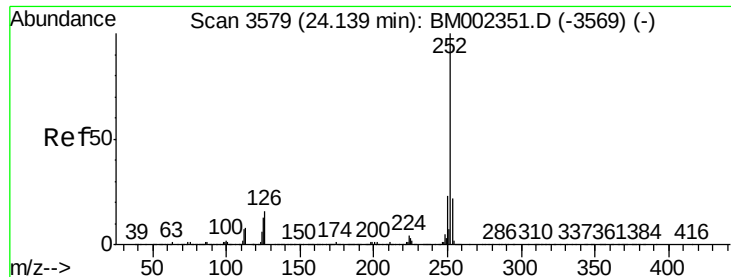


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.38 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

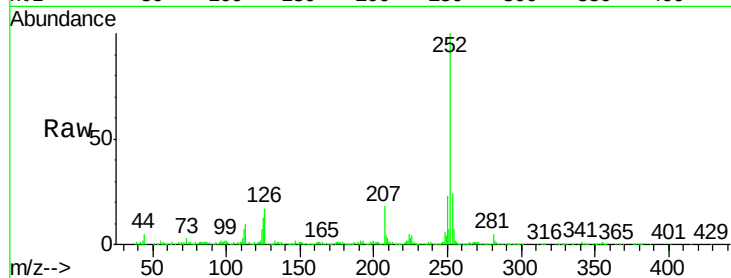
Tot Ion:252 Resp: 713154

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

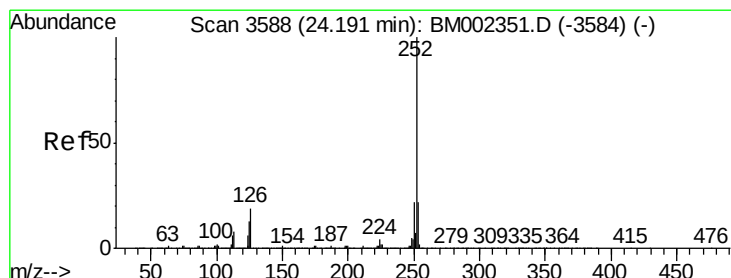
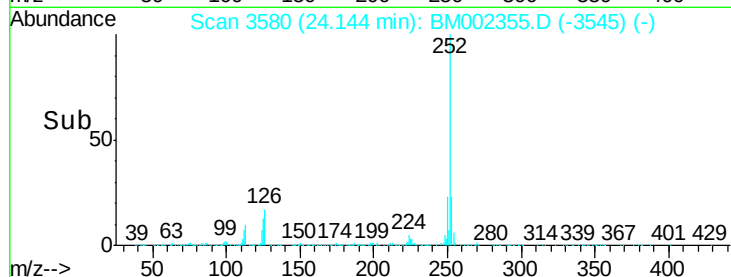
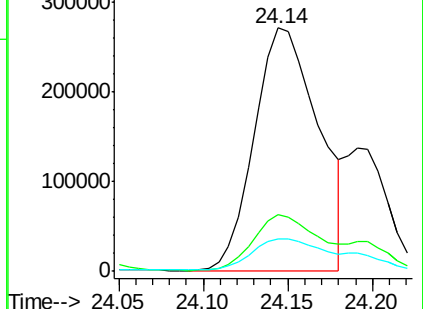
125 13.4 10.3 15.5



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



#24

Benzo(k)fluoranthene

Concen: 2.76 ng/ul

RT: 24.36 min Scan# 3616

Delta R.T. 0.16 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

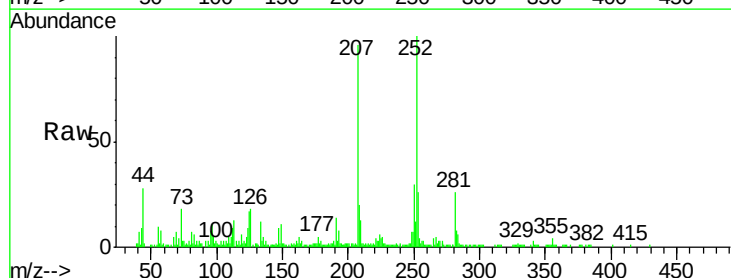
Tgt Ion:252 Resp: 97415

Ion Ratio Lower Upper

252 100

253 25.8 17.3 25.9

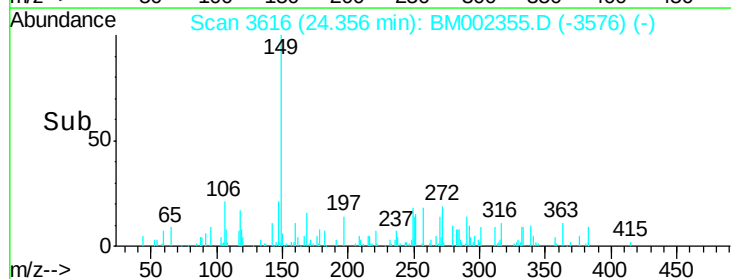
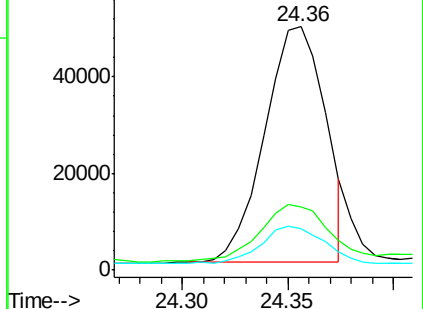
125 17.0 10.2 15.4#

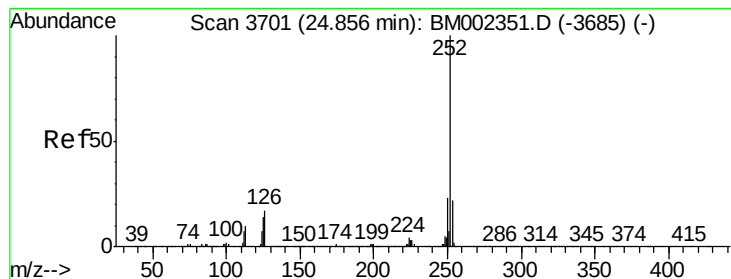


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 12.51 ng/ul

RT: 24.86 min Scan# 3701

Delta R.T. 0.01 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

Instrument :

BNA_M

ClientSampleId :

D9C88

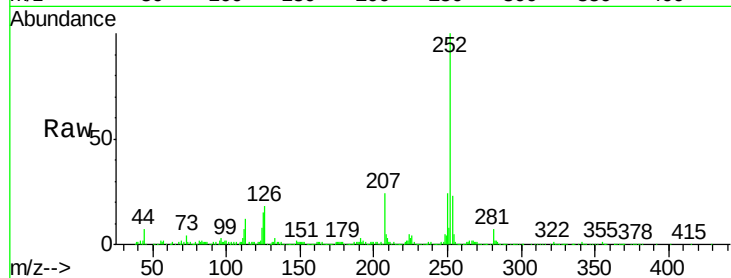
Tot Ion:252 Resp: 440568

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

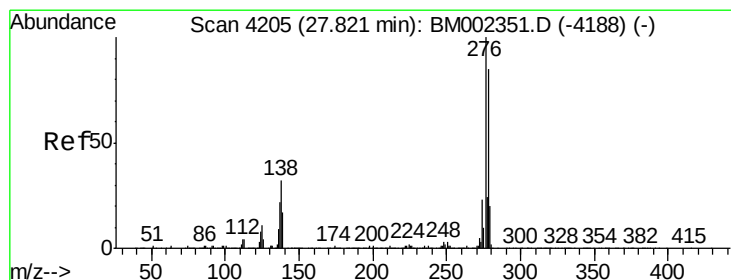
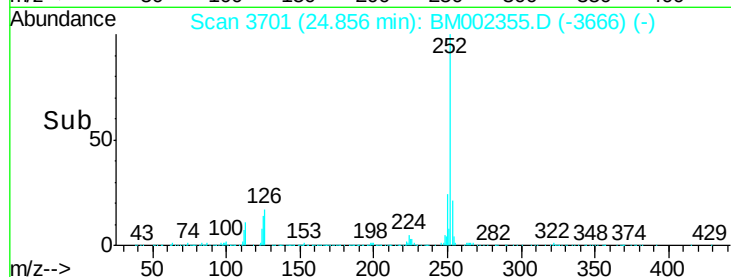
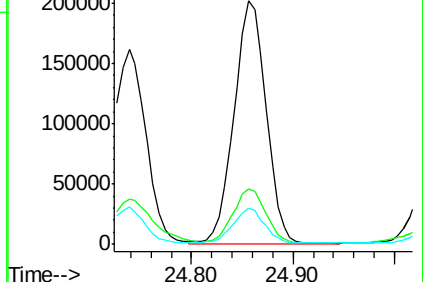
125 14.8 11.0 16.6



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 8.12 ng/ul

RT: 27.82 min Scan# 4205

Delta R.T. 0.01 min

Lab File: BM002355.D

Acq: 12 Aug 2015 11:33

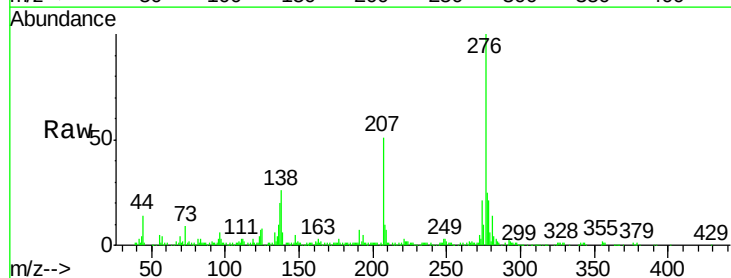
Tgt Ion:276 Resp: 327692

Ion Ratio Lower Upper

276 100

138 26.4 25.6 38.4

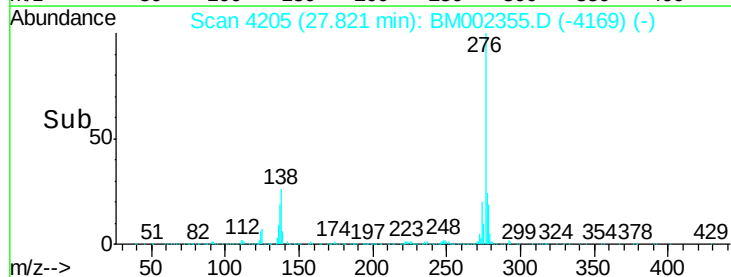
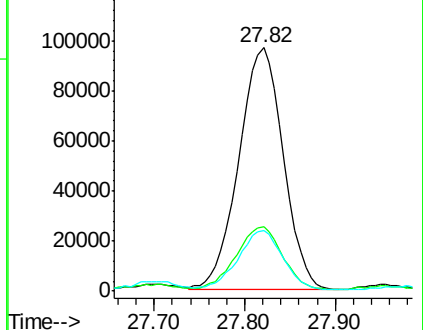
277 25.1 21.0 31.4

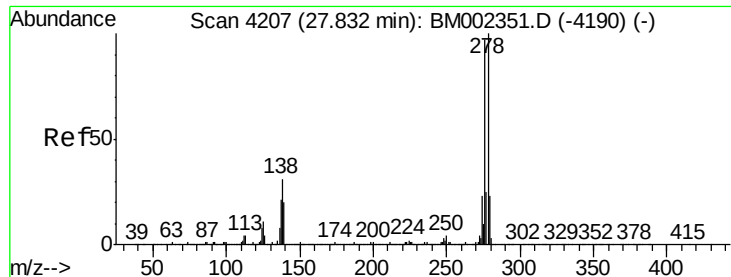


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



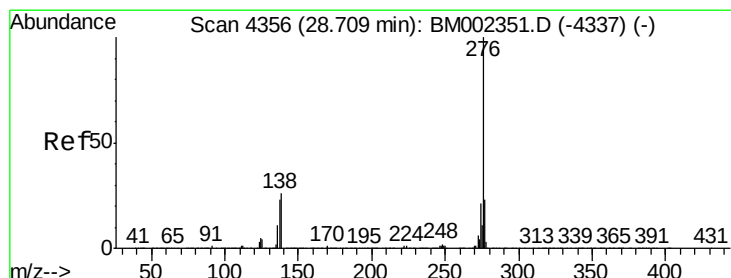
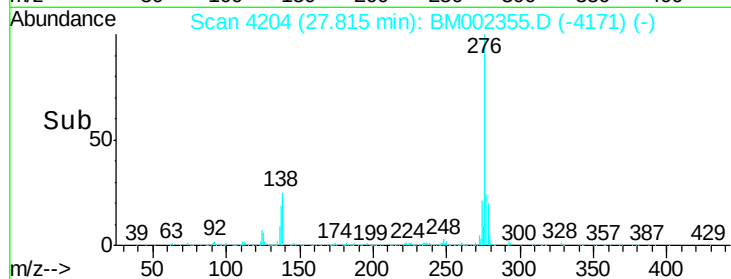
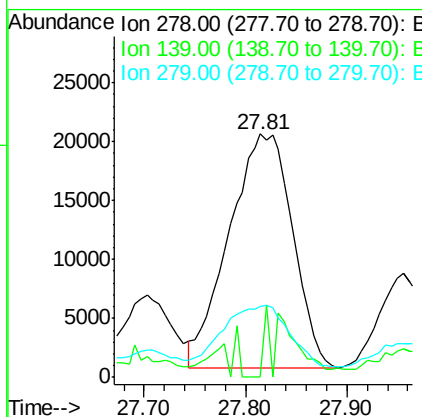
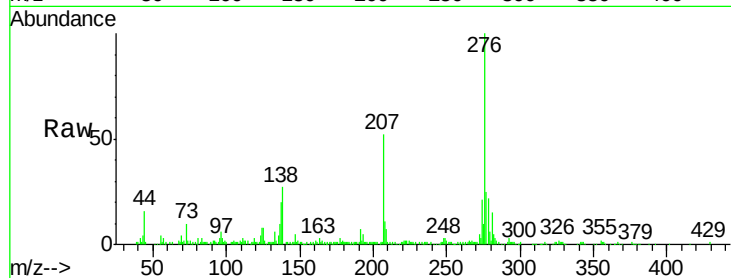


#28
Dibenzo(a,h)anthracene
Concen: 2.52 ng/ul
RT: 27.81 min Scan# 4204
Delta R.T. -0.01 min
Lab File: BM002355.D
Acq: 12 Aug 2015 11:33

Instrument :
BNA_M
ClientSampleId :
D9C88

Tot Ion: 278 Resp: 86280

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	29.2	18.8	28.2#



#29
Benzo(g,h,i)perylene
Concen: 8.54 ng/ul
RT: 28.70 min Scan# 4355
Delta R.T. 0.01 min
Lab File: BM002355.D
Acq: 12 Aug 2015 11:33

Tgt Ion: 276 Resp: 290693

Ion	Ratio	Lower	Upper
276	100		
138	27.1	20.5	30.7
277	25.2	19.0	28.6

