

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002420.D
 Acq On : 15 Aug 2015 12:19
 Operator : UM/IZ
 Sample : G3219-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:57:00 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	199182	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	900492	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	463807	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	918764	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	654782	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	563787	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1132024	23.87	ng/ul	0.00
10) Fluorene-d10	16.42	176	749935	22.52	ng/ul	0.00
14) Anthracene-d10	18.25	188	1002532	22.62	ng/ul	0.00
18) Pyrene-d10	20.47	212	892443	30.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	577409	19.50	ng/ul	0.02

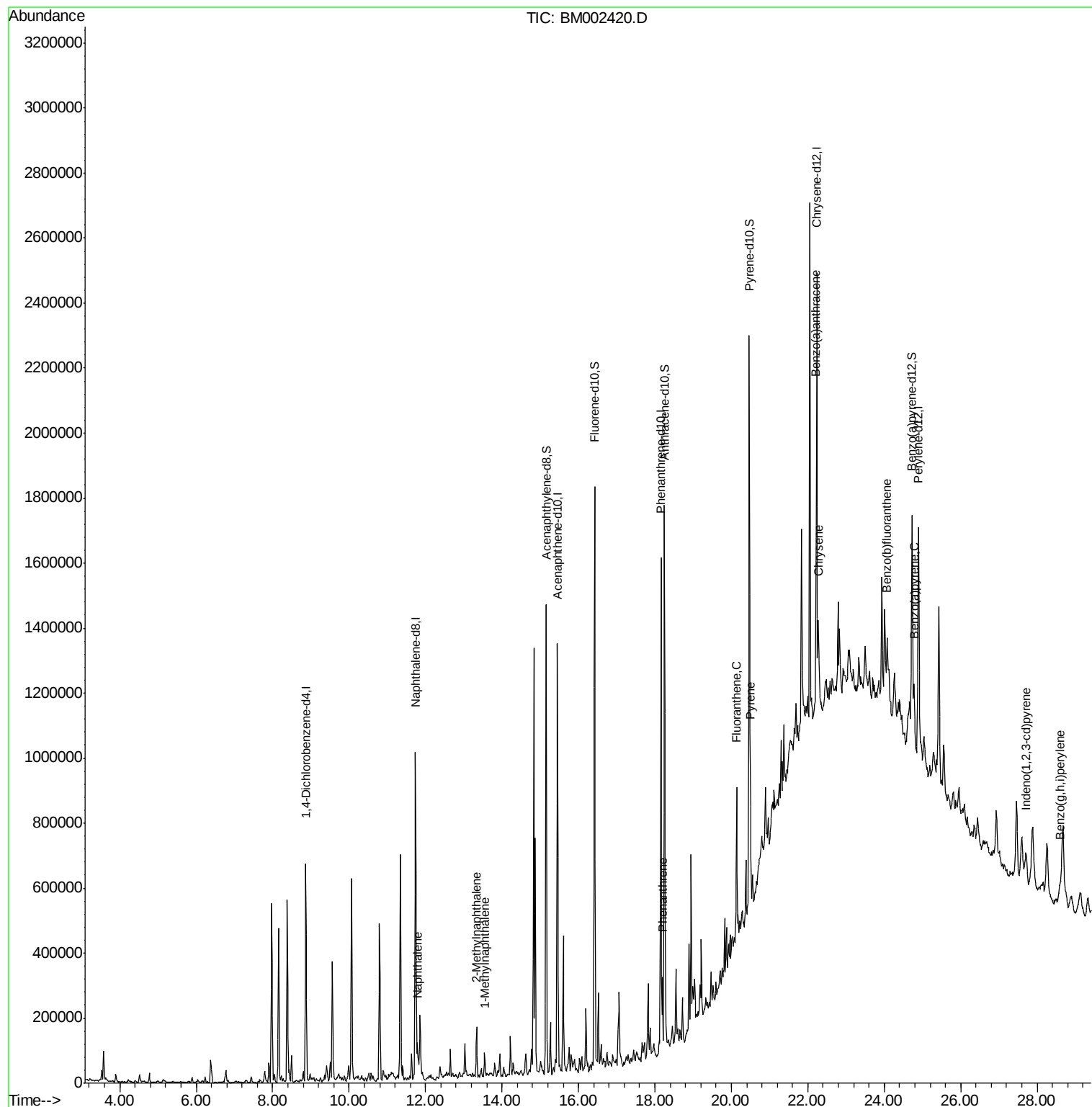
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	104194	2.27	ng/ul	98
4) 2-Methylnaphthalene	13.33	142	77036	2.24	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	34114	1.00	ng/ul	98
13) Phenanthrene	18.20	178	141896	2.67	ng/ul	99
16) Fluoranthene	20.14	202	293209	4.88	ng/ul	99
19) Pyrene	20.50	202	232849	6.07	ng/ul	99
20) Benzo(a)anthracene	22.22	228	152646	3.90	ng/ul#	95
21) Chrysene	22.27	228	177321	4.84	ng/ul#	94
23) Benzo(b)fluoranthene	24.07	252	186525	5.47	ng/ul#	86
26) Benzo(a)pyrene	24.78	252	109681	3.37	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	27.71	276	82901	2.21	ng/ul	96
29) Benzo(g,h,i)perylene	28.59	276	81229	2.61	ng/ul	92

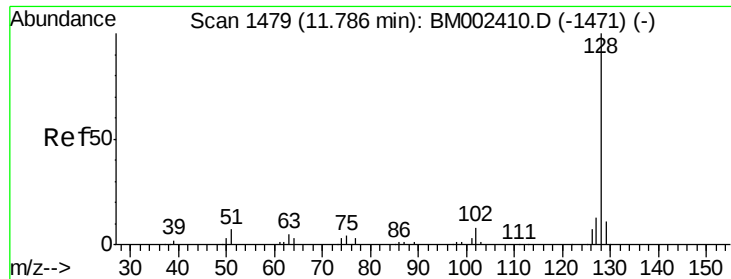
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 17 02:57:00 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.27 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

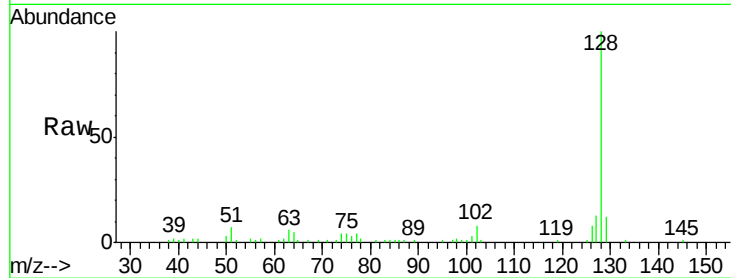
Tot Ion:128 Resp: 104194

Ion Ratio Lower Upper

128 100

129 11.9 8.6 12.8

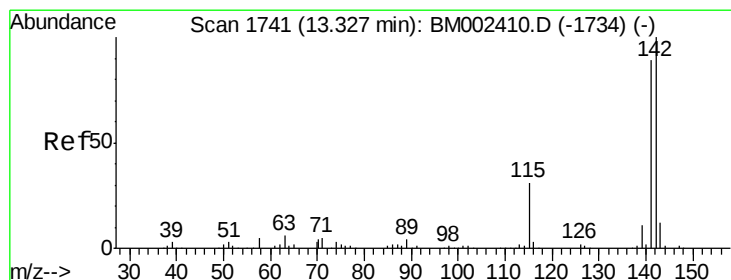
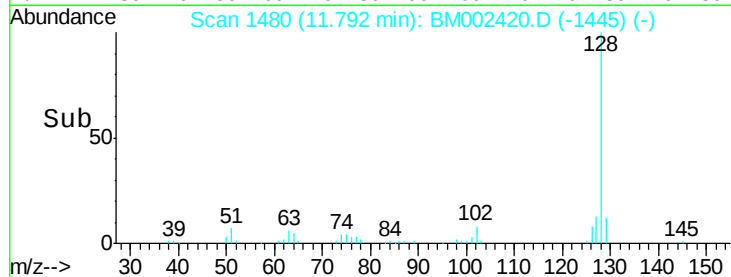
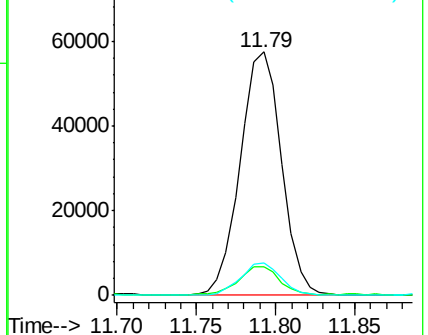
127 13.1 10.4 15.6



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: 2.24 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

Lab File: BM002420.D

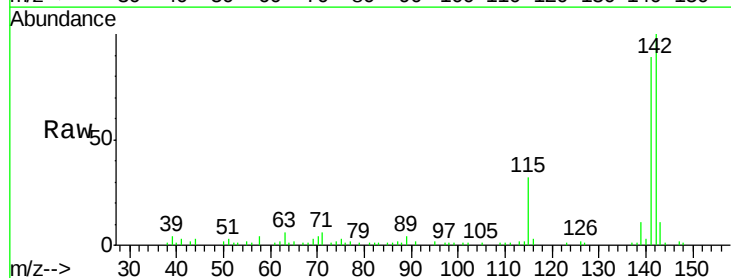
Acq: 15 Aug 2015 12:19

Tgt Ion:142 Resp: 77036

Ion Ratio Lower Upper

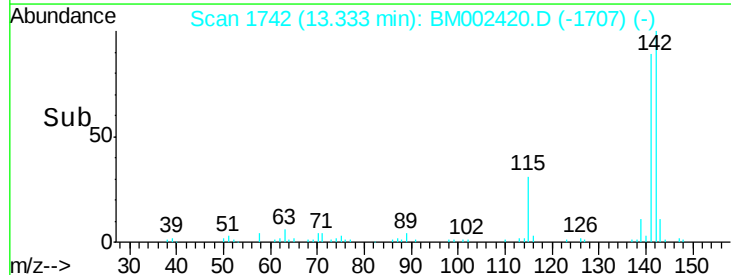
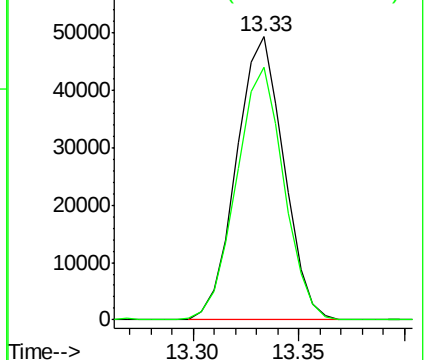
142 100

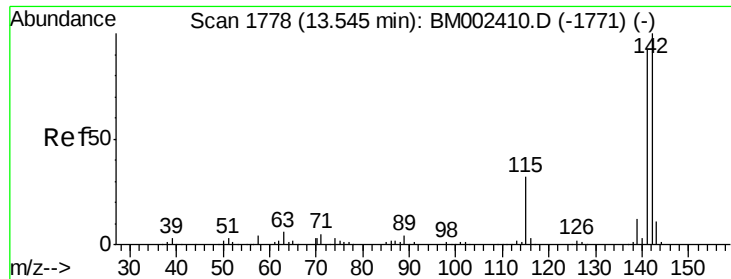
141 89.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.00 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

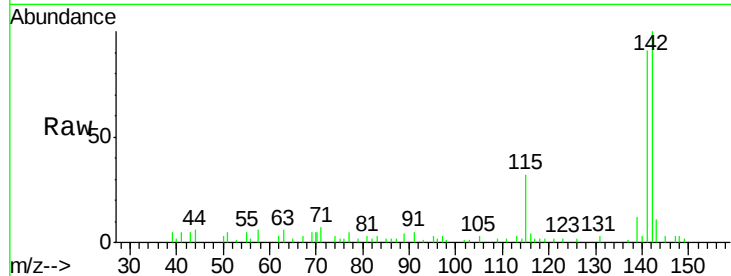
Tot Ion:142 Resp: 34114

Ion Ratio Lower Upper

142 100

141 90.9 73.9 110.9

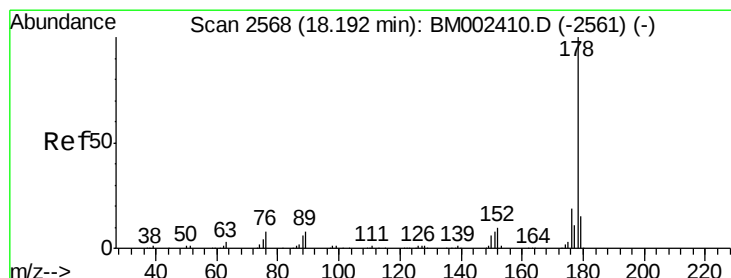
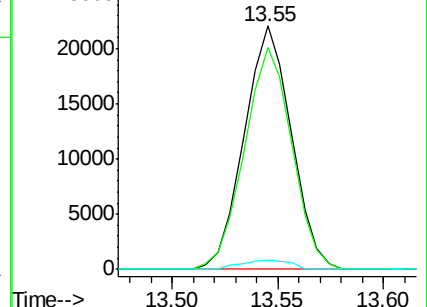
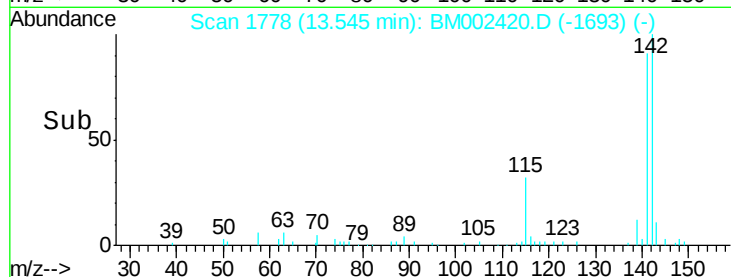
116 3.6 3.0 4.4



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: 2.67 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

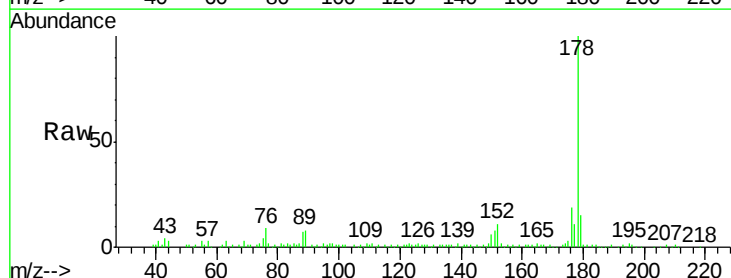
Tgt Ion:178 Resp: 141896

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

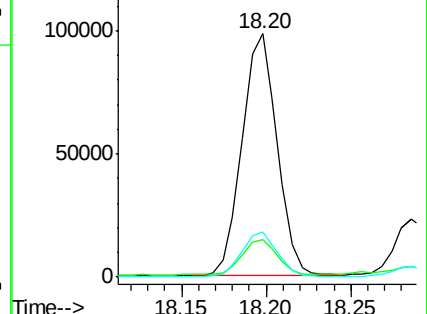
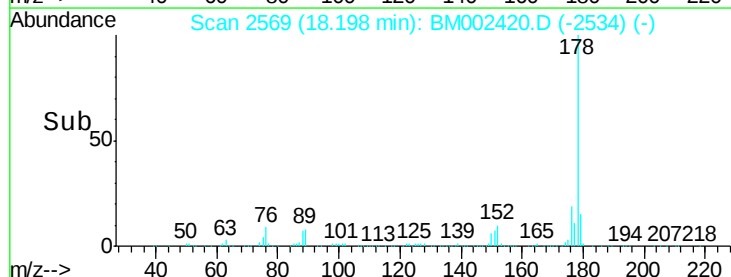
176 18.5 15.1 22.7

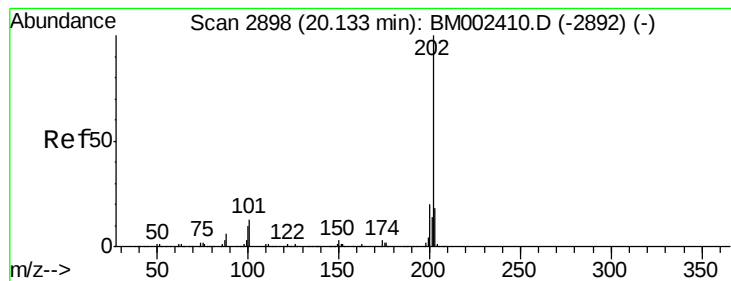


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 4.88 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

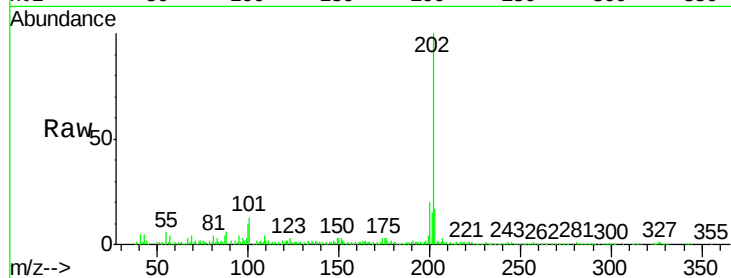
Tot Ion:202 Resp: 293209

Ion Ratio Lower Upper

202 100

101 12.8 9.7 14.5

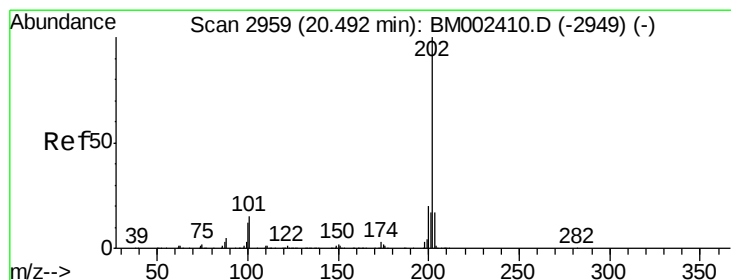
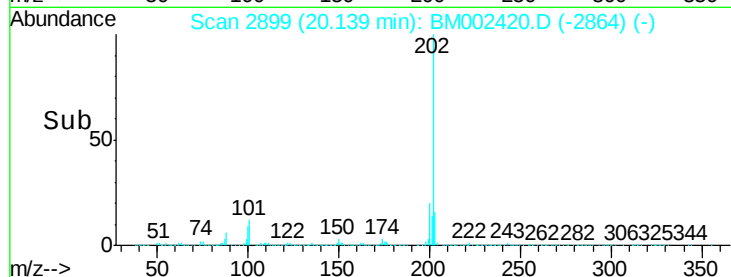
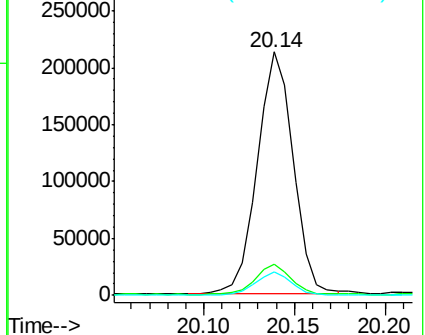
100 9.5 7.4 11.2



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: 6.07 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

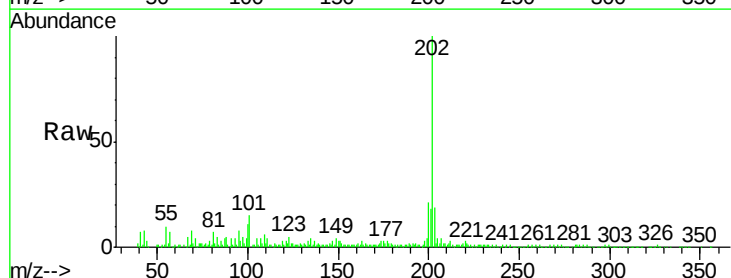
Tgt Ion:202 Resp: 232849

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

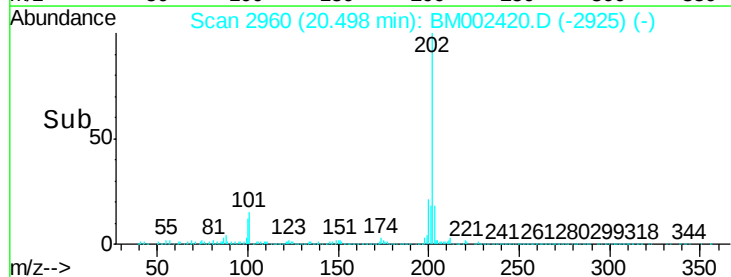
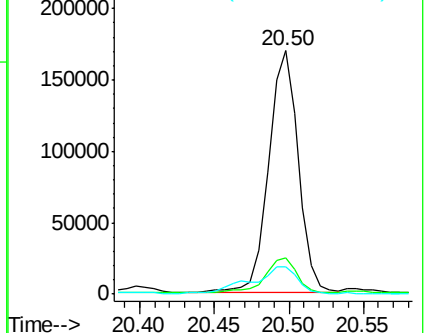
100 11.5 9.7 14.5

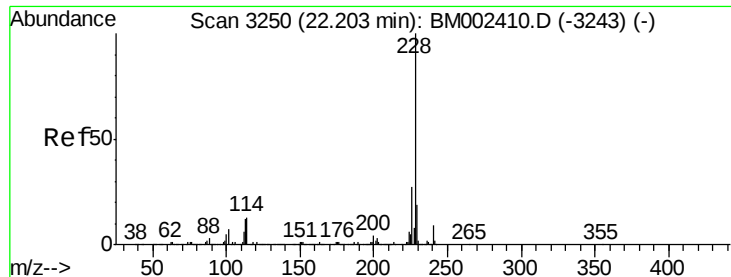


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 3.90 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

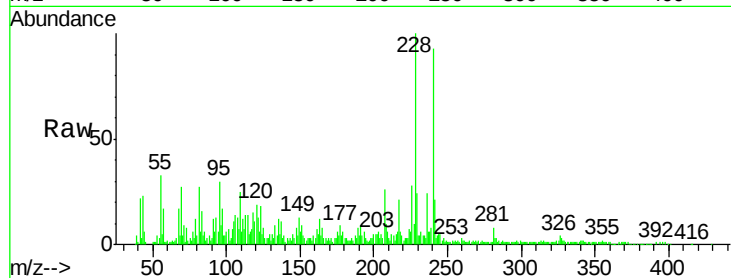
Tot Ion:228 Resp: 152646

Ion Ratio Lower Upper

228 100

229 23.7 15.8 23.6#

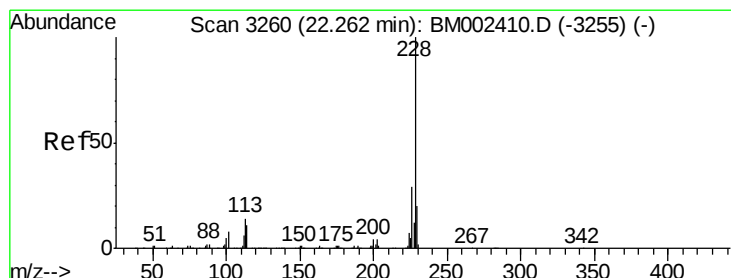
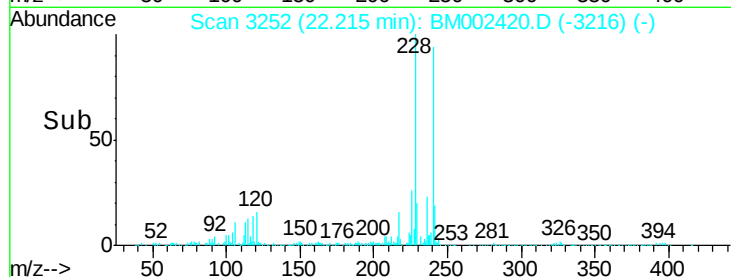
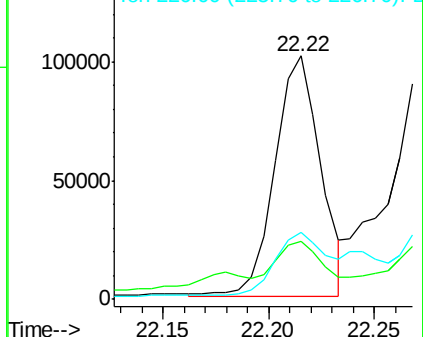
226 27.7 21.1 31.7



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: 4.84 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

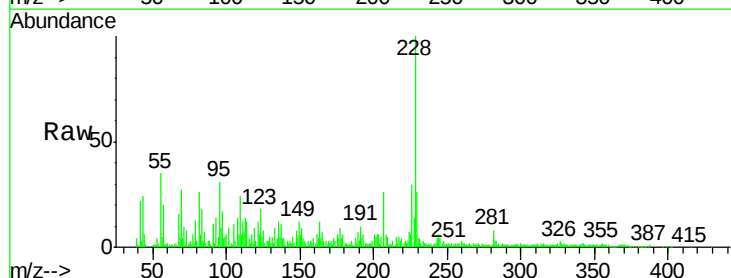
Tgt Ion:228 Resp: 177321

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

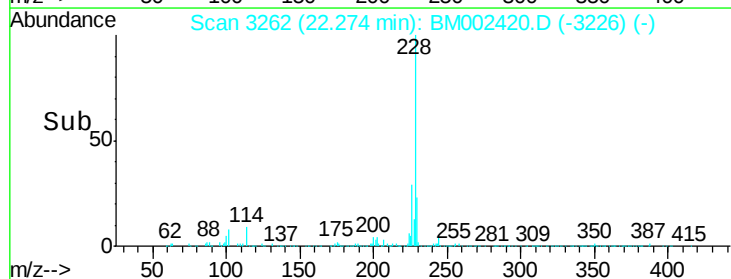
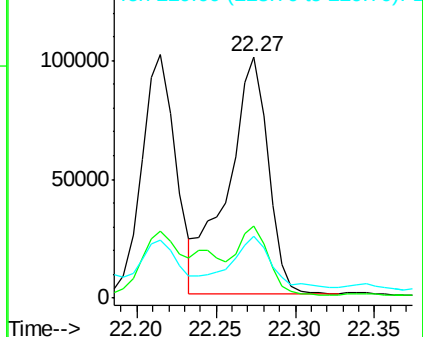
229 25.9 15.7 23.5#

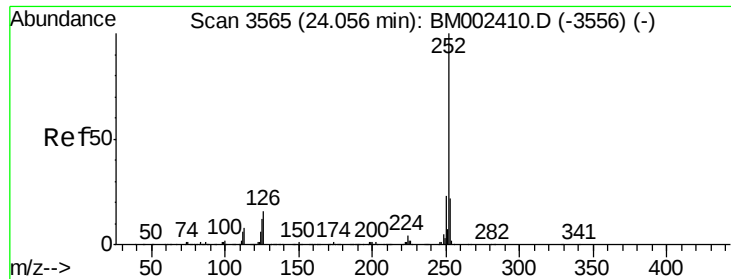


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 5.47 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.02 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

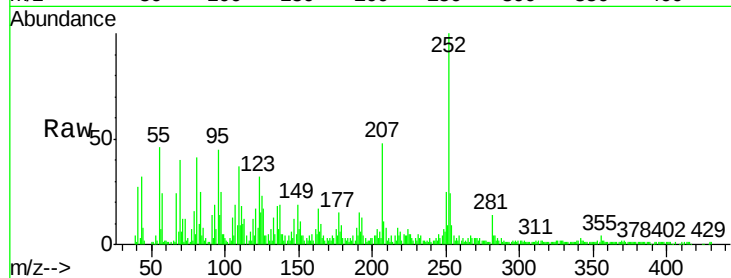
Tot Ion:252 Resp: 186525

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

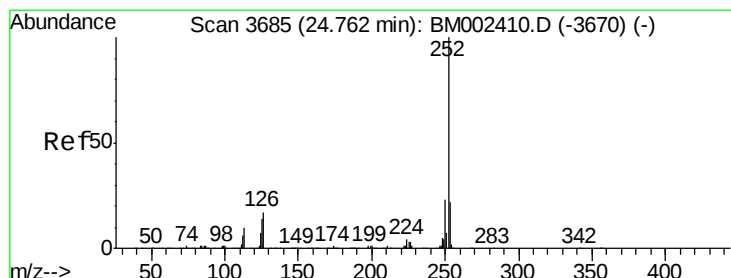
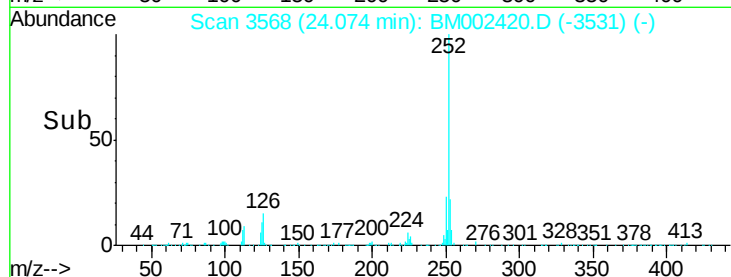
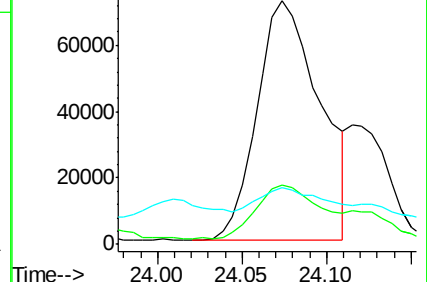
125 23.4 10.0 15.0#



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



#26

Benzo(a)pyrene

Concen: 3.37 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

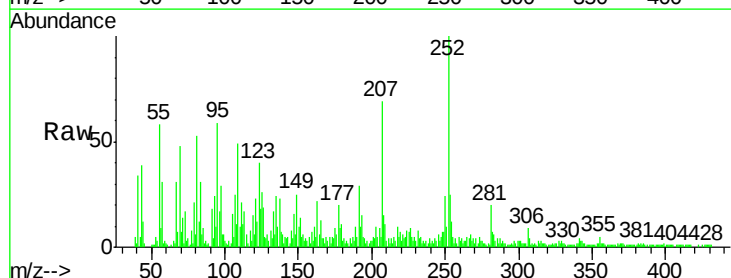
Tgt Ion:252 Resp: 109681

Ion Ratio Lower Upper

252 100

253 25.3 17.6 26.4

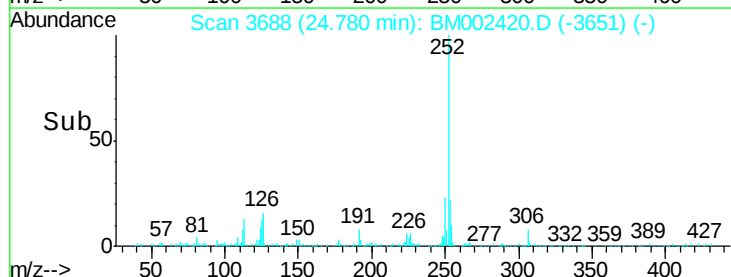
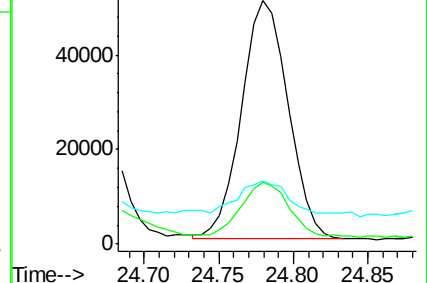
125 25.8 10.7 16.1#

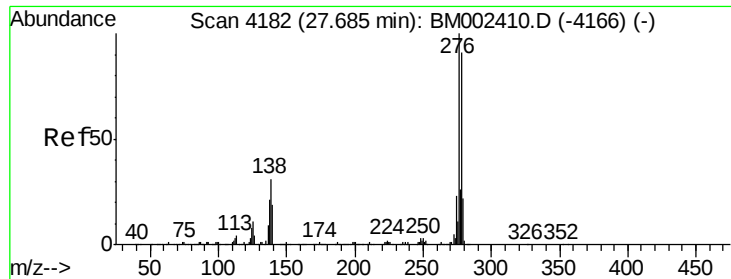


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

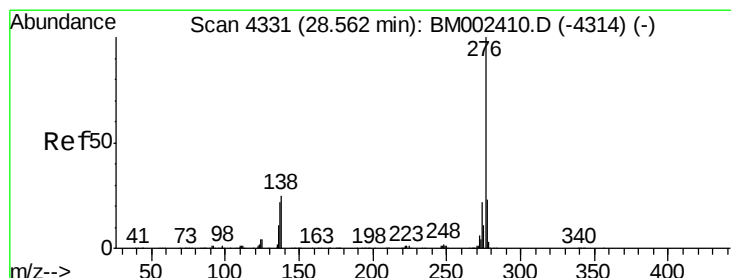
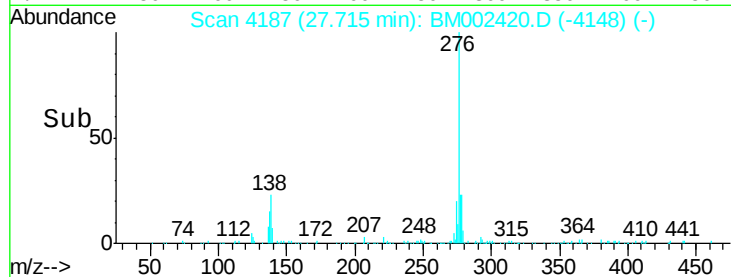
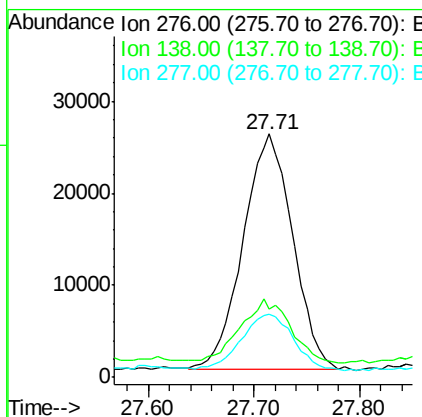
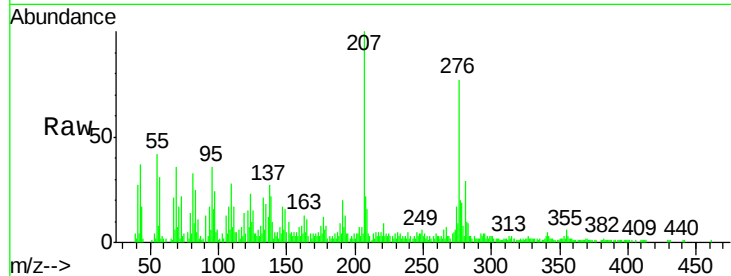




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.21 ng/ul
 RT: 27.71 min Scan# 4187
 Delta R.T. 0.03 min
 Lab File: BM002420.D
 Acq: 15 Aug 2015 12:19

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 82901
 Ion Ratio Lower Upper
 276 100
 138 28.3 25.3 37.9
 277 26.0 20.2 30.2



#29
 Benzo(g,h,i)perylene
 Concen: 2.61 ng/ul
 RT: 28.59 min Scan# 4336
 Delta R.T. 0.03 min
 Lab File: BM002420.D
 Acq: 15 Aug 2015 12:19

Tgt Ion:276 Resp: 81229
 Ion Ratio Lower Upper
 276 100
 138 31.4 21.0 31.6
 277 26.6 19.2 28.8

