

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002410.D
 Acq On : 15 Aug 2015 06:07
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:06:53 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:04:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	107379	20.00	ng/ul	0.00
2) Naphthalene-d8	11.73	136	511255	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	277745	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	586554	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	601902	20.00	ng/ul	0.00
22) Perylene-d12	24.88	264	544155	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	564414	19.88	ng/ul	0.00
10) Fluorene-d10	16.42	176	387720	19.44	ng/ul	0.00
14) Anthracene-d10	18.24	188	558756	19.75	ng/ul	0.00
18) Pyrene-d10	20.46	212	571992	21.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	570077	19.94	ng/ul	0.00

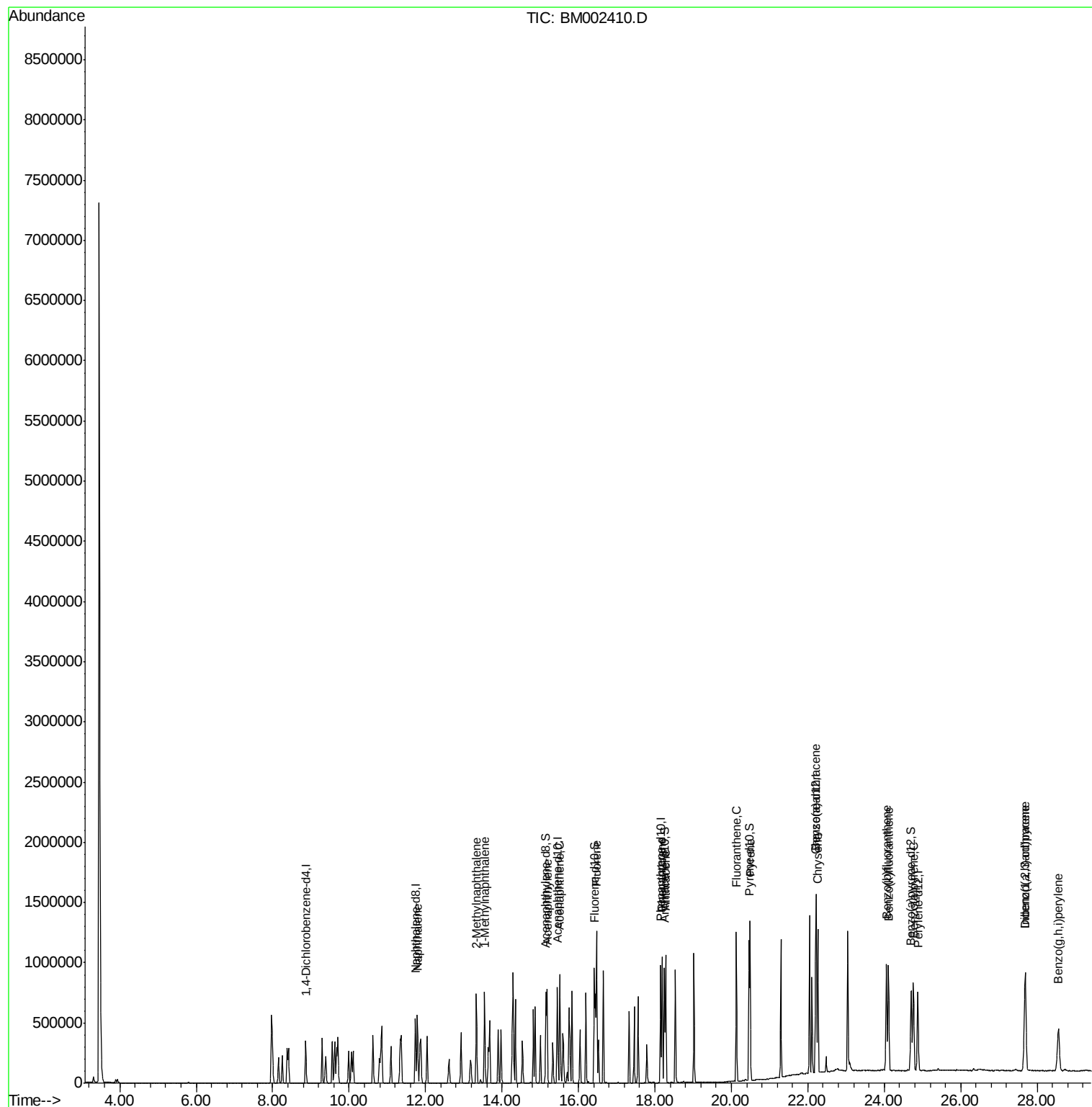
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	512617	19.65	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	372537	19.06	ng/ul	99
5) 1-Methylnaphthalene	13.54	142	368497	19.06	ng/ul	100
8) Acenaphthylene	15.18	152	589844	19.85	ng/ul	99
9) Acenaphthene	15.51	153	389734	19.91	ng/ul	100
11) Fluorene	16.47	166	439231	19.58	ng/ul	100
13) Phenanthrene	18.19	178	670417	19.79	ng/ul	100
15) Anthracene	18.28	178	682434	19.88	ng/ul	99
16) Fluoranthene	20.13	202	731855	19.09	ng/ul	98
19) Pyrene	20.49	202	757590	21.49	ng/ul	100
20) Benzo(a)anthracene	22.20	228	706262	19.62	ng/ul	99
21) Chrysene	22.26	228	664023	19.72	ng/ul	100
23) Benzo(b)fluoranthene	24.06	252	697366	21.20	ng/ul	99
24) Benzo(k)fluoranthene	24.11	252	635040	20.37	ng/ul	99
26) Benzo(a)pyrene	24.76	252	629014	20.02	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	27.69	276	608940	16.85	ng/ul	99
28) Dibenzo(a,h)anthracene	27.69	278	522977	17.31	ng/ul	98
29) Benzo(g,h,i)perylene	28.56	276	487017	16.19	ng/ul	98

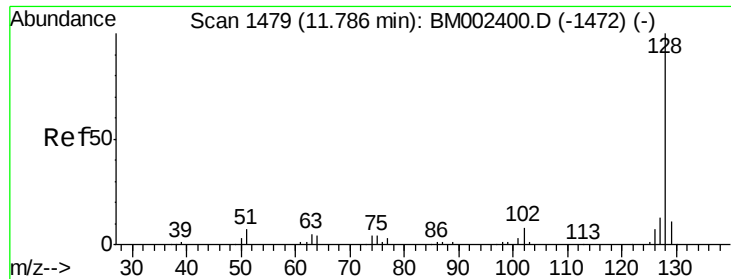
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.65 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

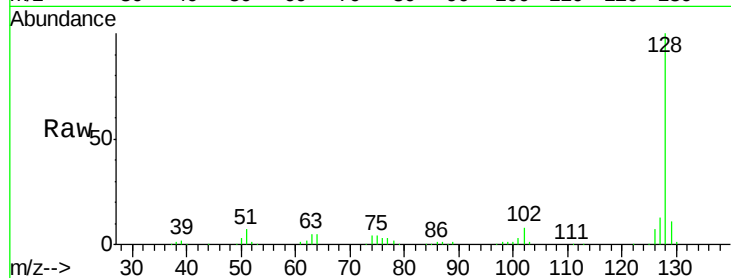
Instrument :

BNA_M

ClientSampleId :

Tot Ion:128 Resp: 512617

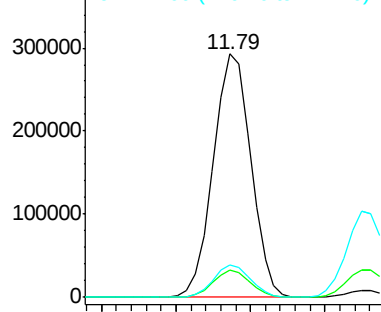
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.2	10.4	15.6



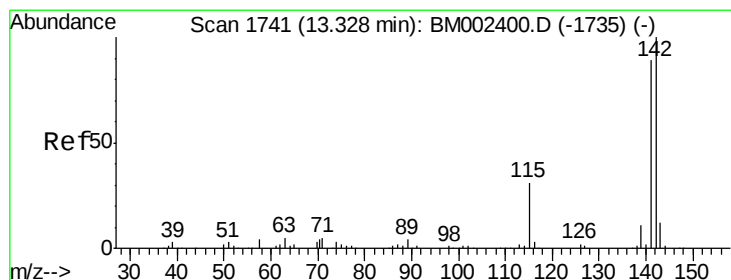
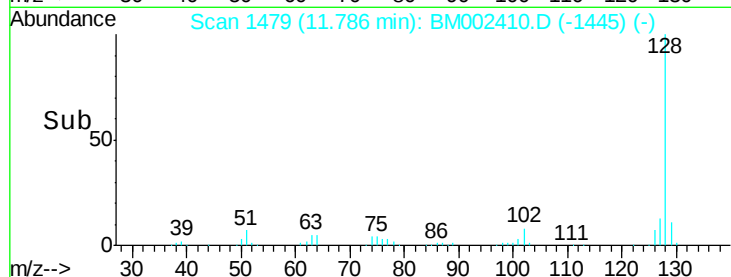
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#4

2-Methylnaphthalene

Concen: 19.06 ng/ul

RT: 13.33 min Scan# 1741

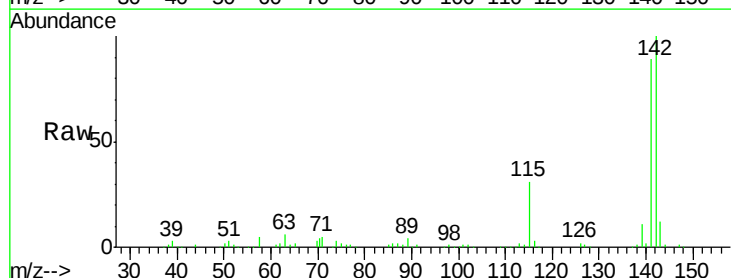
Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

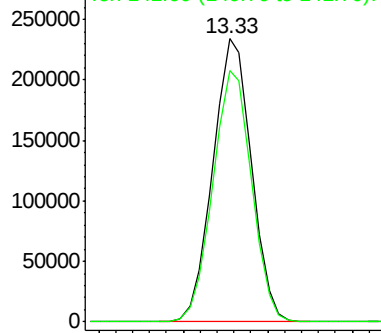
Tgt Ion:142 Resp: 372537

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.2	108.2

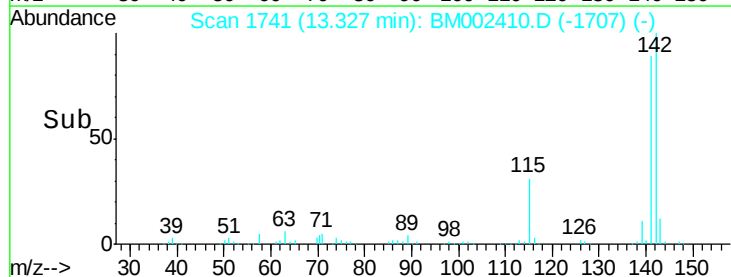


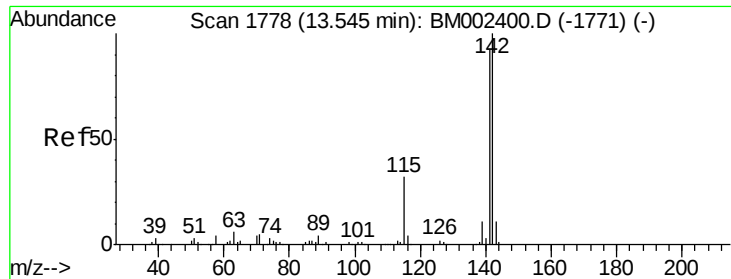
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#5

1-Methylnaphthalene

Concen: 19.06 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Instrument :

BNA_M

ClientSampleId :

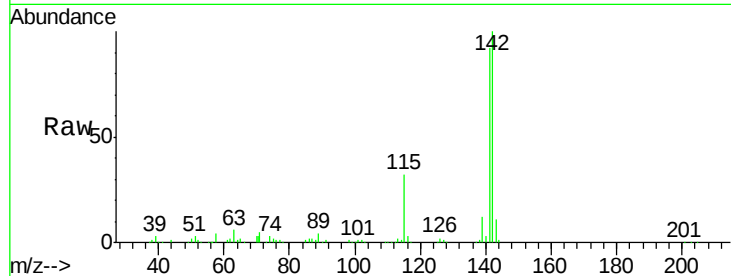
Tot Ion:142 Resp: 368497

Ion Ratio Lower Upper

142 100

141 92.1 73.9 110.9

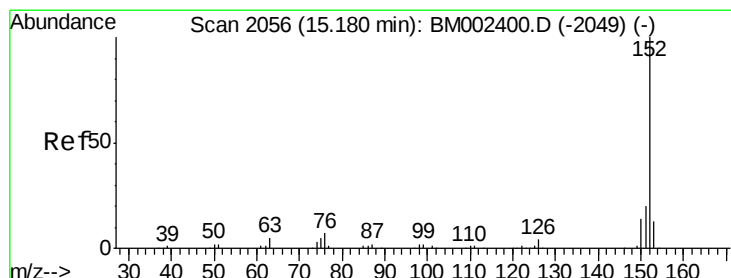
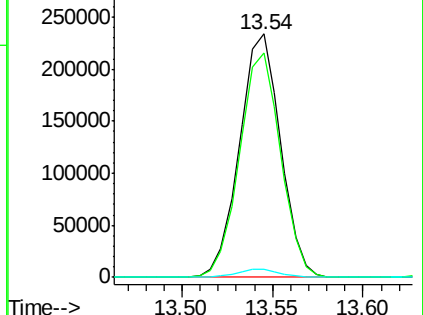
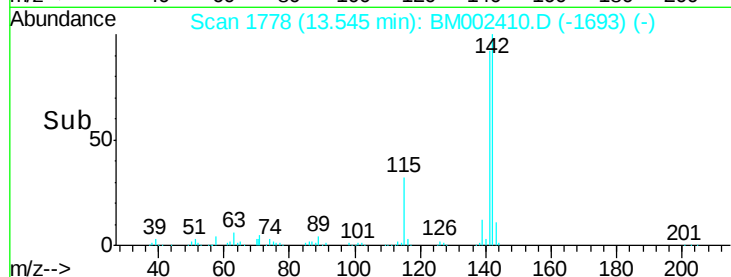
116 3.2 3.0 4.4



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



#8

Acenaphthylene

Concen: 19.85 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

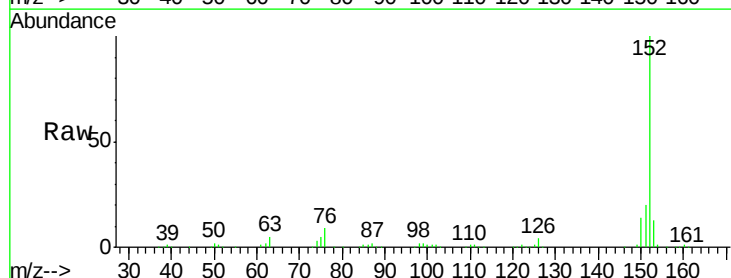
Tgt Ion:152 Resp: 589844

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

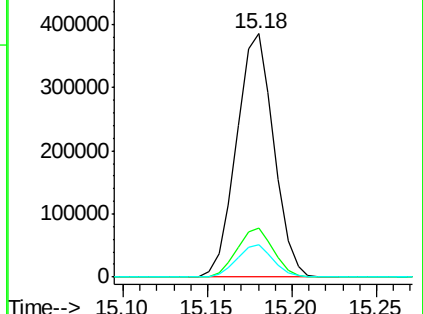
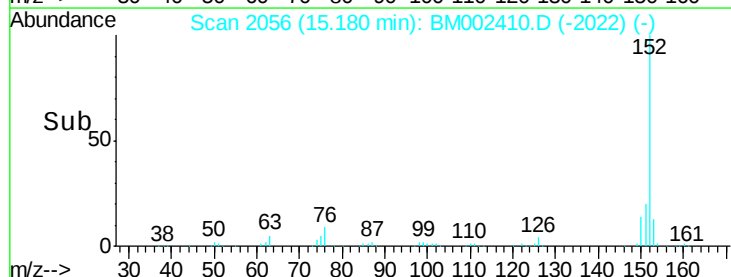
153 13.2 10.2 15.4

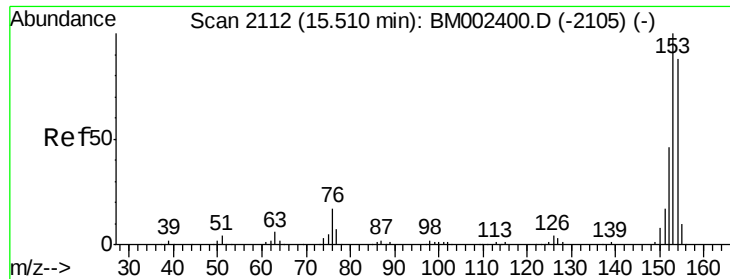


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.91 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Instrument :

BNA_M

ClientSampleId :

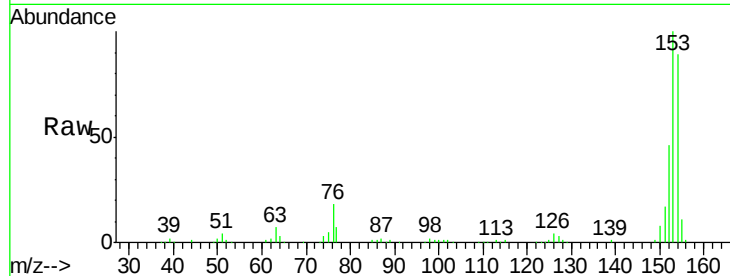
Tot Ion:153 Resp: 389734

Ion Ratio Lower Upper

153 100

152 46.2 36.9 55.3

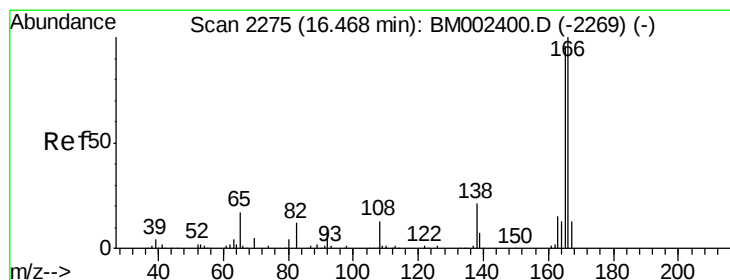
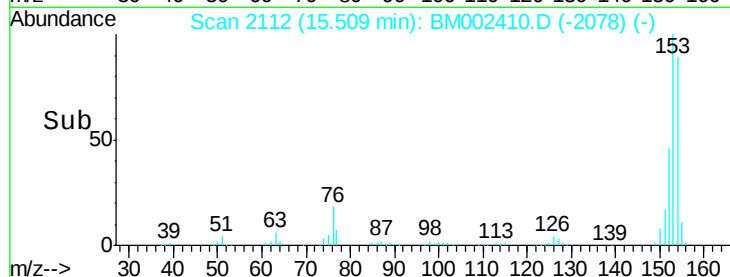
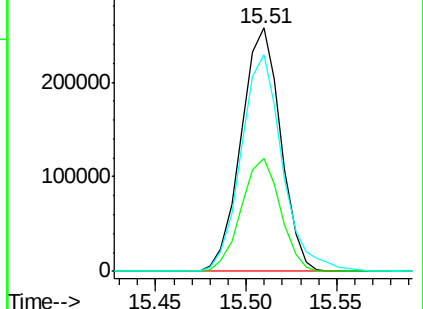
154 89.0 71.3 106.9



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: 19.58 ng/ul

RT: 16.47 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

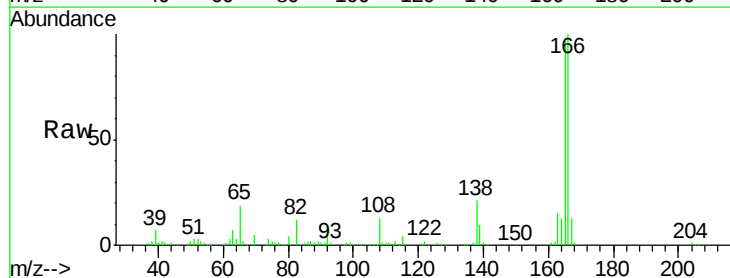
Tgt Ion:166 Resp: 439231

Ion Ratio Lower Upper

166 100

165 97.2 77.6 116.4

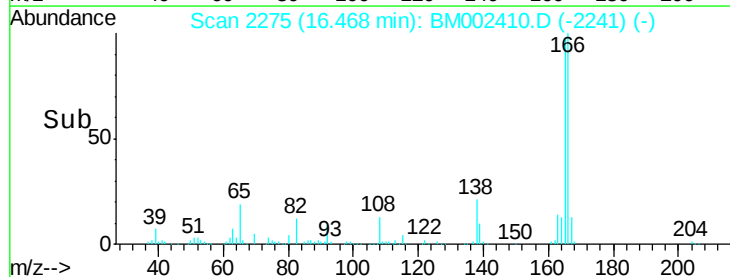
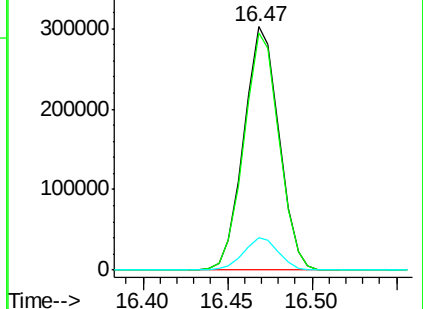
167 13.5 10.7 16.1

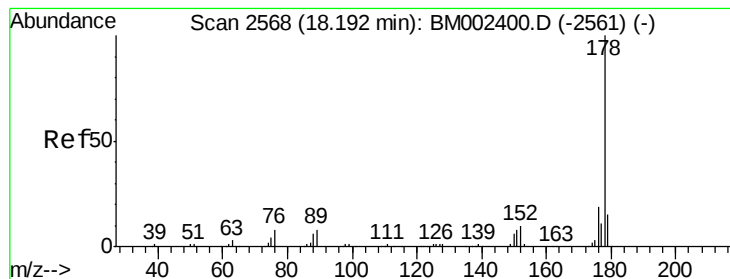


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.79 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

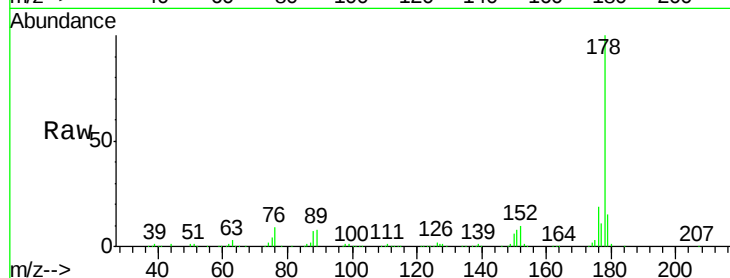
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 670417

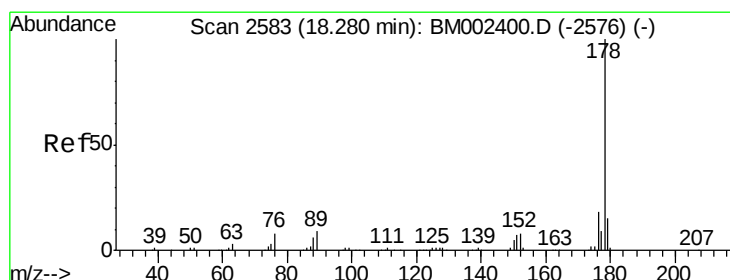
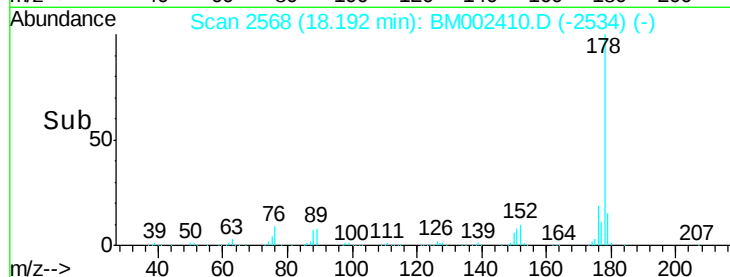
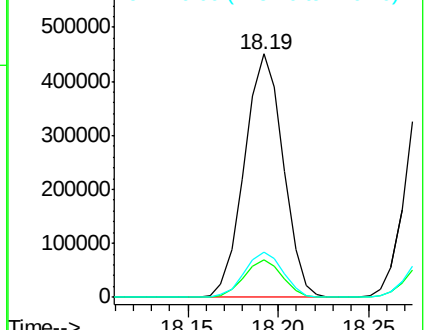
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.8	15.1	22.7



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



#15

Anthracene

Concen: 19.88 ng/ul

RT: 18.28 min Scan# 2583

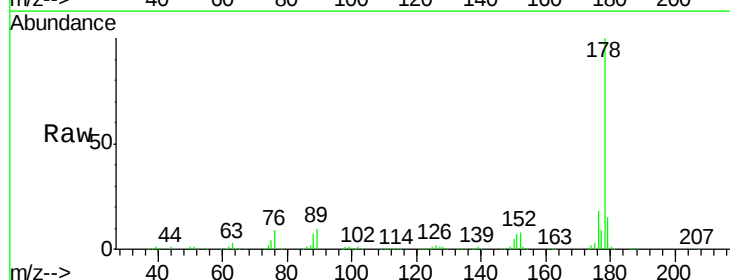
Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Tgt Ion:178 Resp: 682434

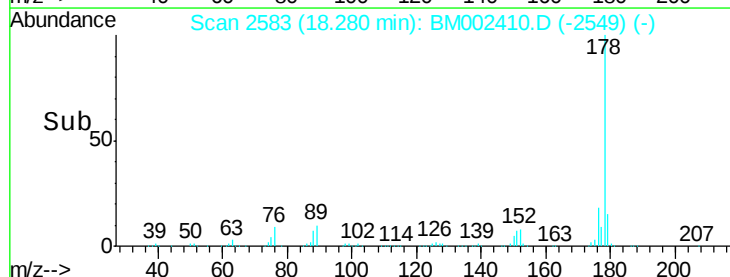
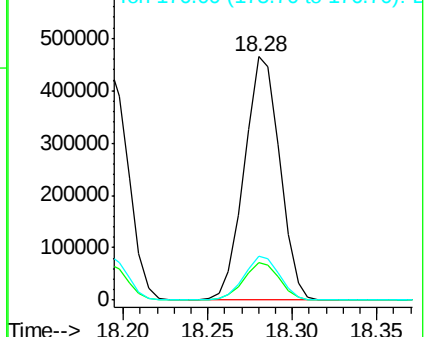
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.0	14.5	21.7

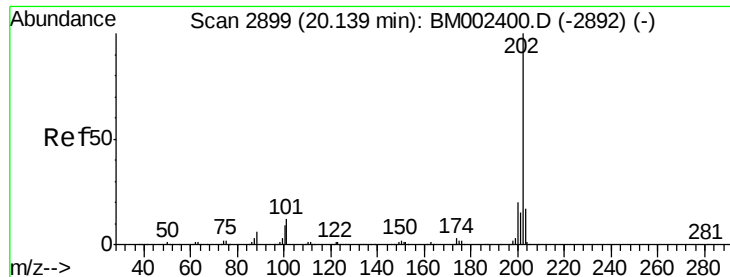


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.09 ng/ul

RT: 20.13 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Instrument :

BNA_M

ClientSampleId :

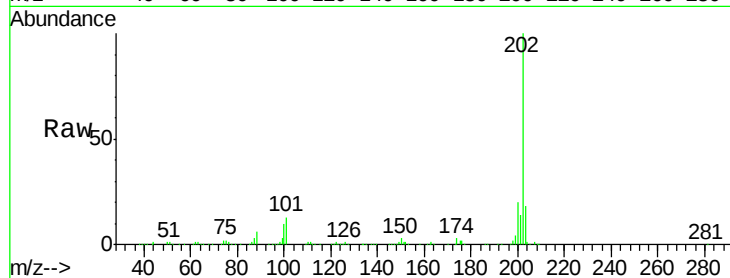
Tot Ion:202 Resp: 731855

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

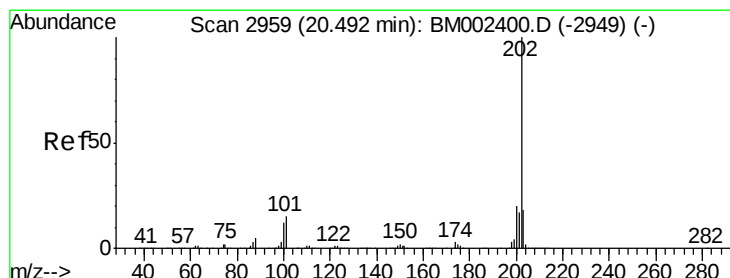
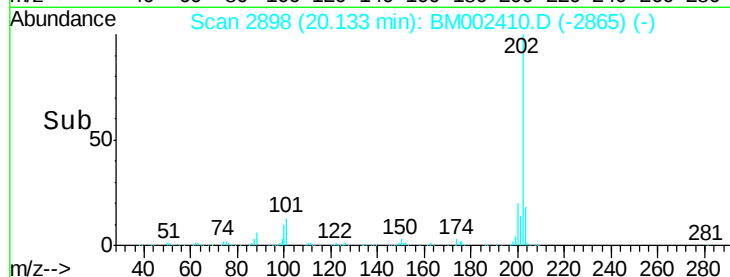
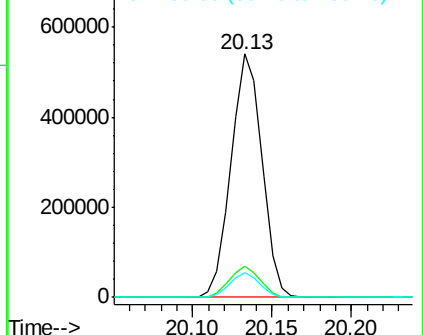
100 10.0 7.4 11.2



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: 21.49 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. -0.00 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

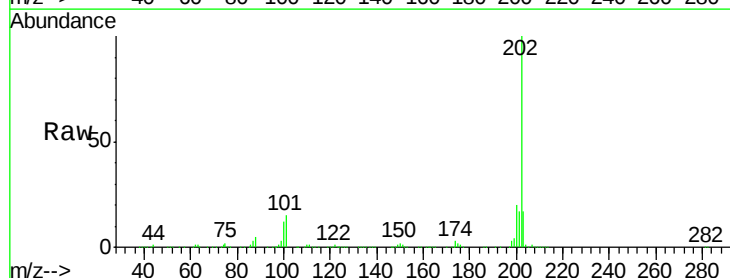
Tgt Ion:202 Resp: 757590

Ion Ratio Lower Upper

202 100

101 14.8 12.0 18.0

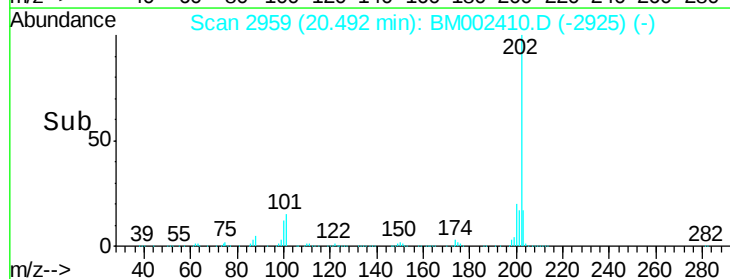
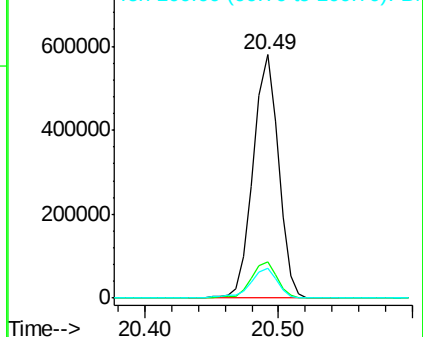
100 12.0 9.7 14.5

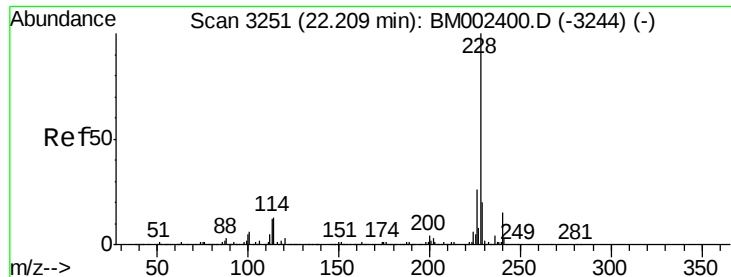


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

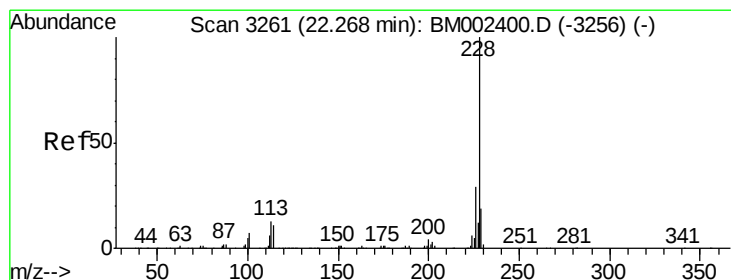
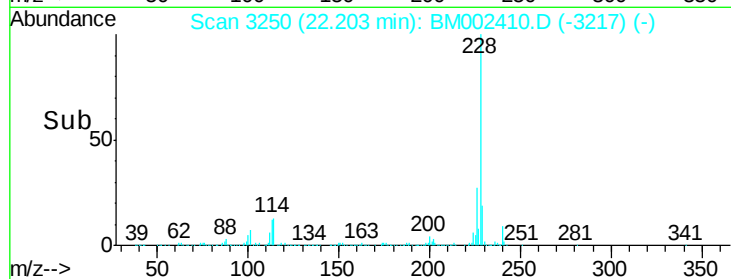
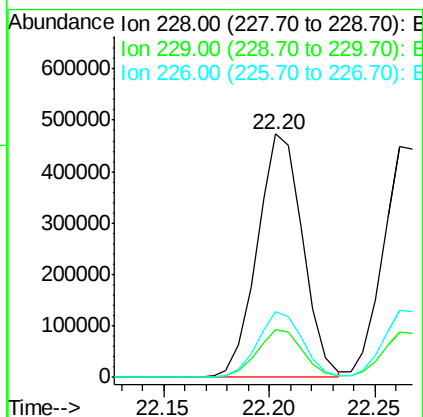
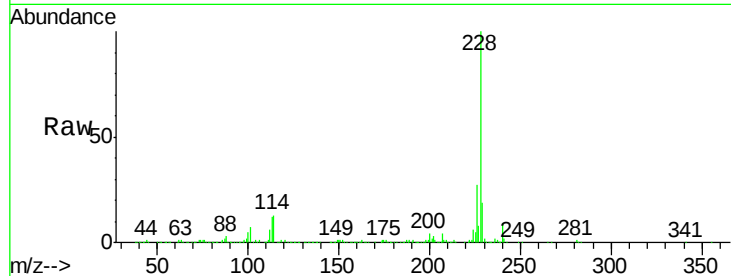




#20
Benzo(a)anthracene
Concen: 19.62 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. -0.01 min
Lab File: BM002410.D
Acq: 15 Aug 2015 06:07

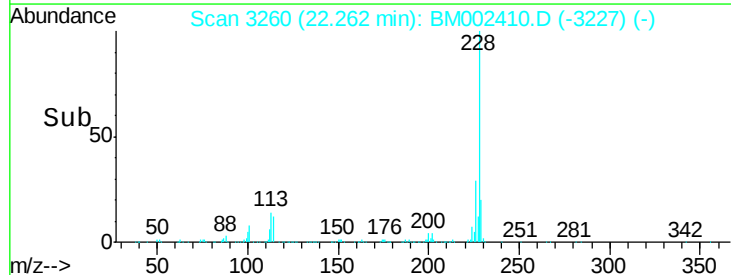
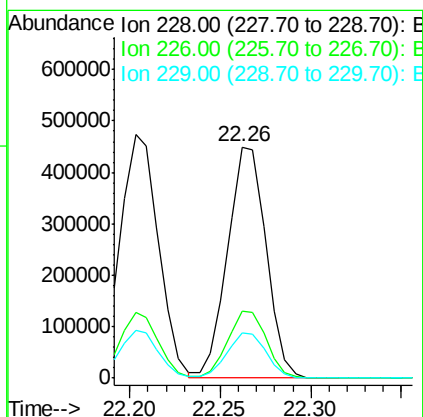
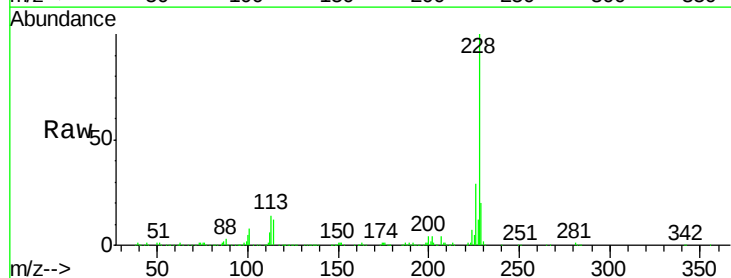
Instrument :
BNA_M
ClientSampleId :

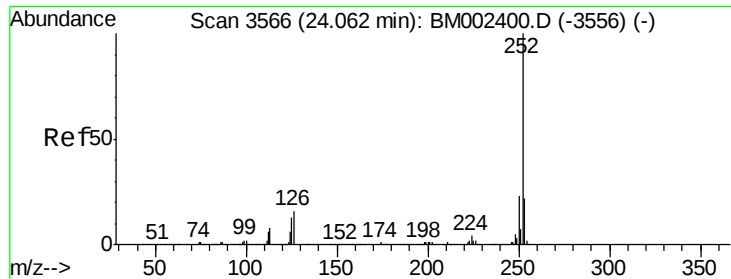
Tot Ion:228 Resp: 706262
Ion Ratio Lower Upper
228 100
229 19.5 15.8 23.6
226 26.8 21.1 31.7



#21
Chrysene
Concen: 19.72 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BM002410.D
Acq: 15 Aug 2015 06:07

Tgt Ion:228 Resp: 664023
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 19.6 15.7 23.5





#23

Benzo(b)fluoranthene

Concen: 21.20 ng/ul

RT: 24.06 min Scan# 3565

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Instrument :

BNA_M

ClientSampleId :

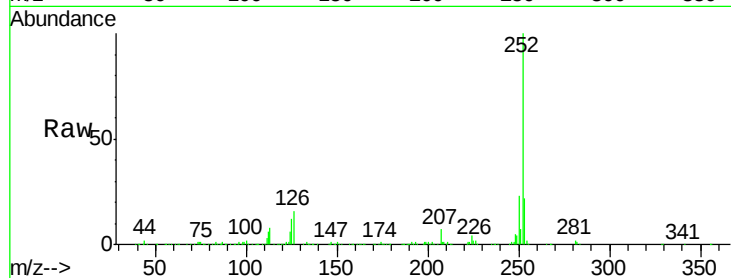
Tot Ion:252 Resp: 697366

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

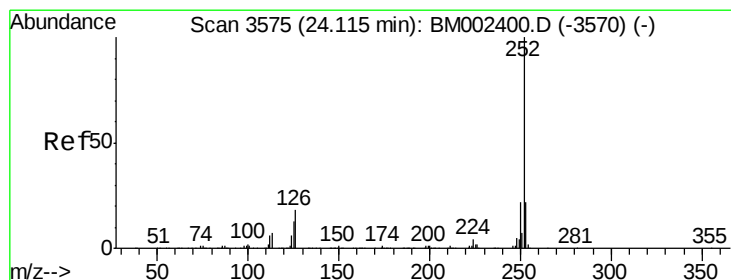
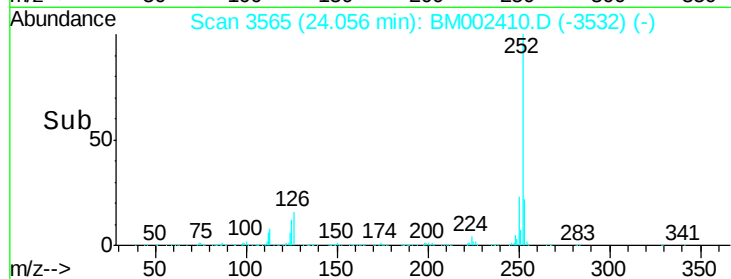
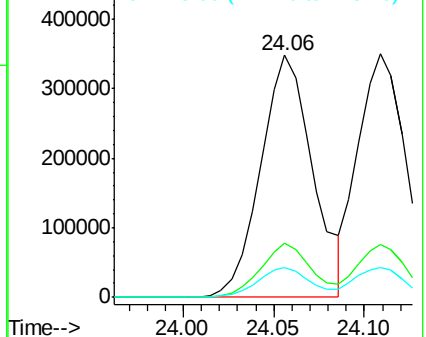
125 12.3 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 20.37 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

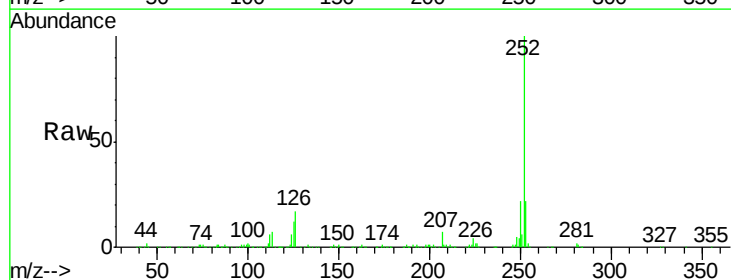
Tgt Ion:252 Resp: 635040

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

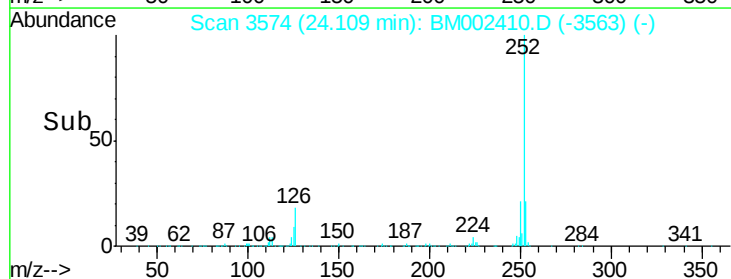
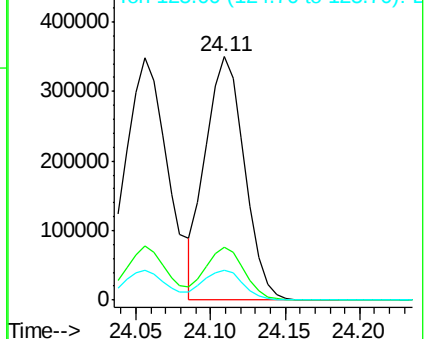
125 12.0 9.8 14.8

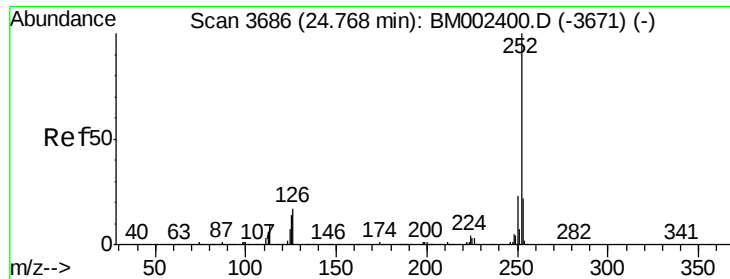


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.02 ng/ul

RT: 24.76 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Instrument :

BNA_M

ClientSampleId :

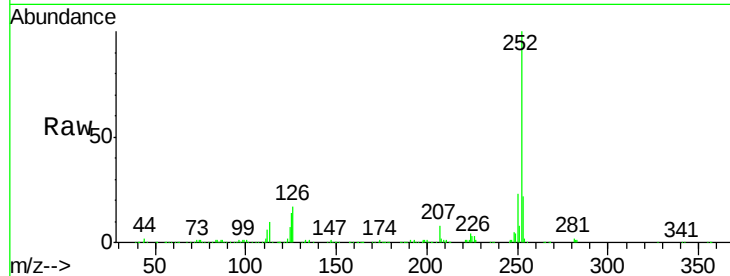
Tot Ion:252 Resp: 629014

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

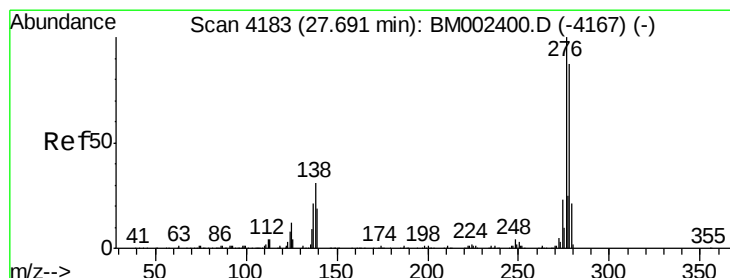
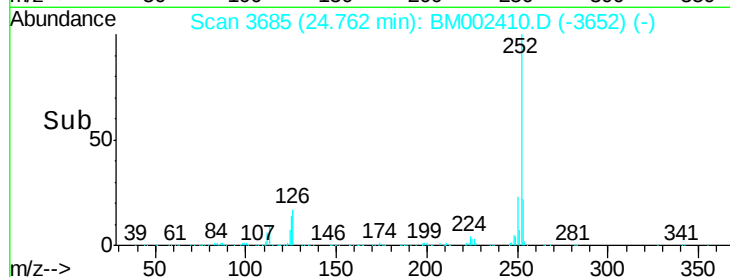
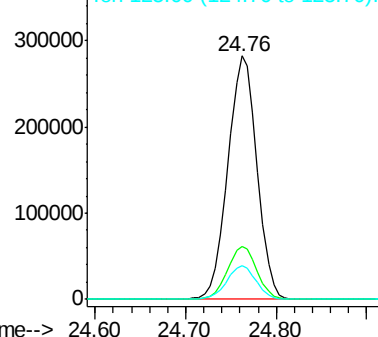
125 13.7 10.7 16.1



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: 16.85 ng/ul

RT: 27.69 min Scan# 4182

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

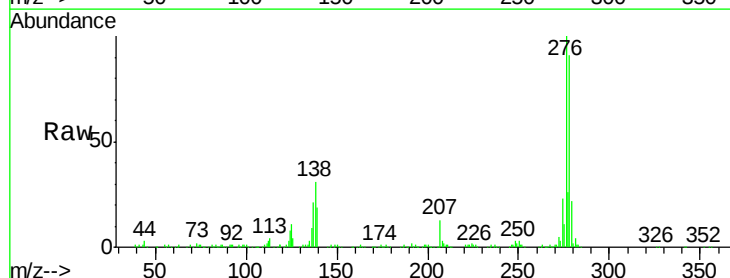
Tgt Ion:276 Resp: 608940

Ion Ratio Lower Upper

276 100

138 31.1 25.3 37.9

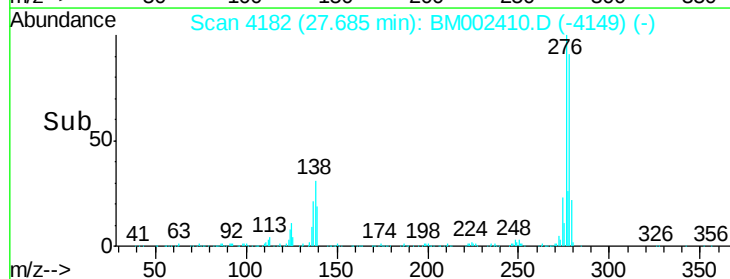
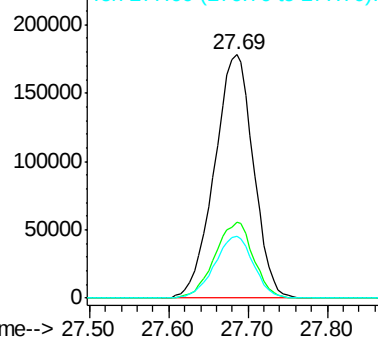
277 25.5 20.2 30.2

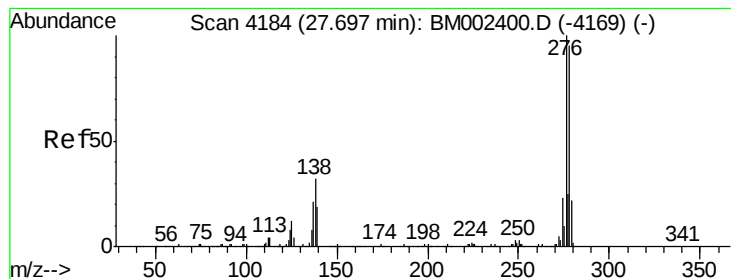


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 17.31 ng/ul

RT: 27.69 min Scan# 4183

Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

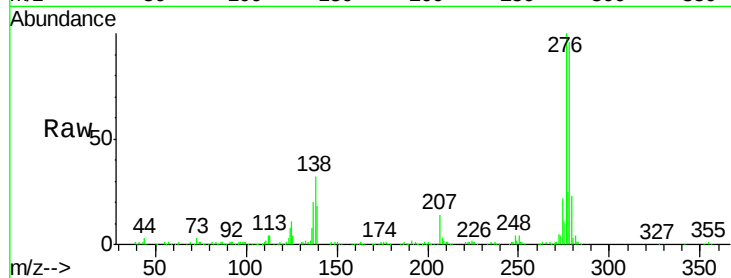
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 522977

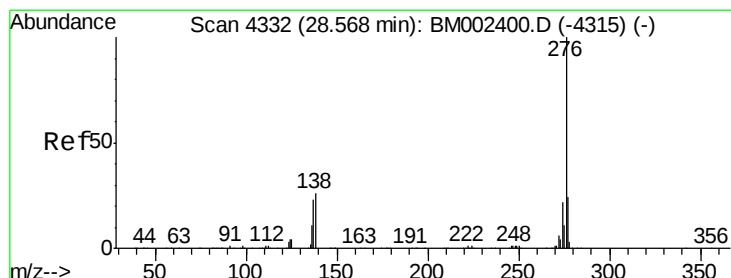
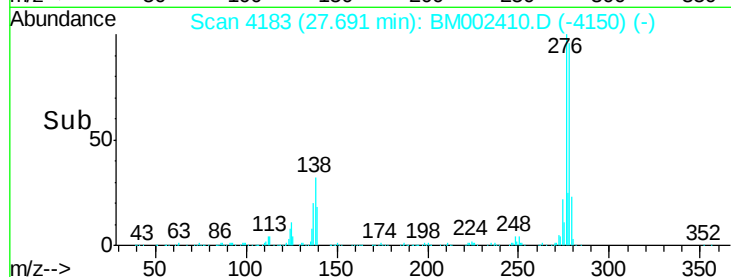
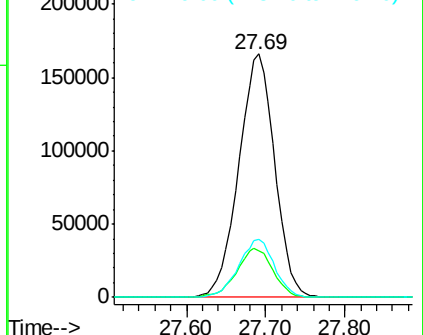
Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.5	24.7
279	23.8	18.8	28.2



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: 16.19 ng/ul

RT: 28.56 min Scan# 4331

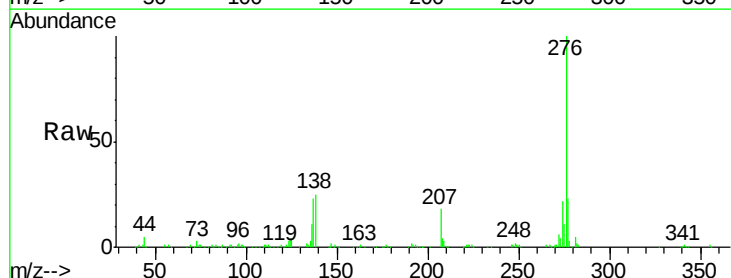
Delta R.T. -0.01 min

Lab File: BM002410.D

Acq: 15 Aug 2015 06:07

Tgt Ion:276 Resp: 487017

Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.0	31.6
277	23.2	19.2	28.8



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

