

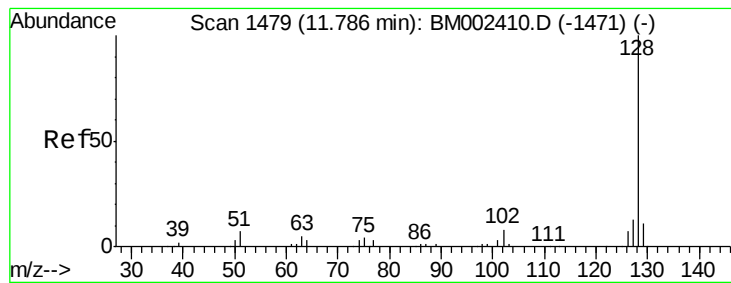
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002416.D
 Acq On : 15 Aug 2015 09:44
 Operator : UM/IZ
 Sample : G3219-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D97

Quant Time: Aug 17 02:56:12 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	191005	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	878170	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	461782	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	912005	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	636501	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	557358	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	792410	16.78	ng/ul	0.00
10) Fluorene-d10	16.42	176	508916	15.35	ng/ul	0.00
14) Anthracene-d10	18.25	188	663855	15.09	ng/ul	0.00
18) Pyrene-d10	20.46	212	509505	18.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	255961	8.74	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	85201	1.90	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	57584	1.71	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	50177	1.51	ng/ul	97
8) Acenaphthylene	15.18	152	60846	1.23	ng/ul	98
13) Phenanthrene	18.19	178	621323	11.80	ng/ul	100
15) Anthracene	18.28	178	126103	2.36	ng/ul	99
16) Fluoranthene	20.14	202	951908	15.97	ng/ul	99
19) Pyrene	20.49	202	710077	19.04	ng/ul	100
20) Benzo(a)anthracene	22.21	228	386681	10.16	ng/ul	98
21) Chrysene	22.27	228	376011	10.56	ng/ul	95
23) Benzo(b)fluoranthene	24.06	252	474487	14.08	ng/ul	96
26) Benzo(a)pyrene	24.77	252	301067	9.35	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.69	276	227844	6.16	ng/ul	94
28) Dibenzo(a,h)anthracene	27.69	278	63821	2.06	ng/ul#	88
29) Benzo(g,h,i)perylene	28.57	276	206113	6.69	ng/ul	99

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



#3

Naphthalene

Concen: 1.90 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

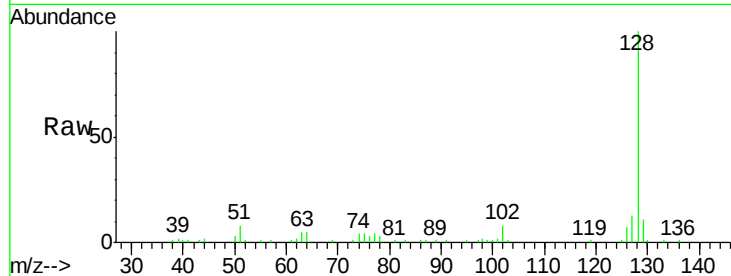
Tot Ion:128 Resp: 85201

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

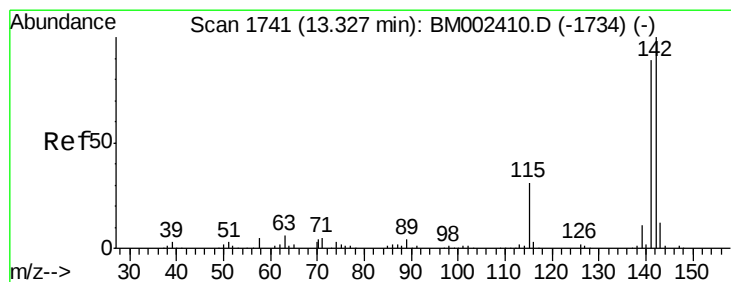
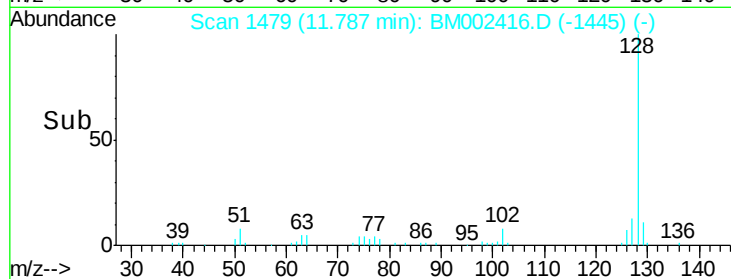
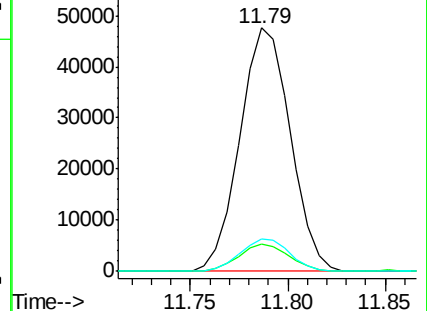
127 13.4 10.4 15.6



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: 1.71 ng/ul

RT: 13.33 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BM002416.D

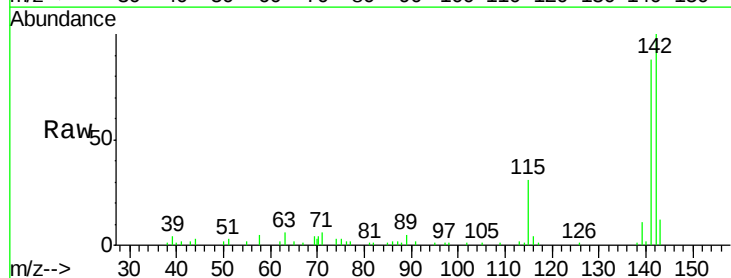
Acq: 15 Aug 2015 09:44

Tgt Ion:142 Resp: 57584

Ion Ratio Lower Upper

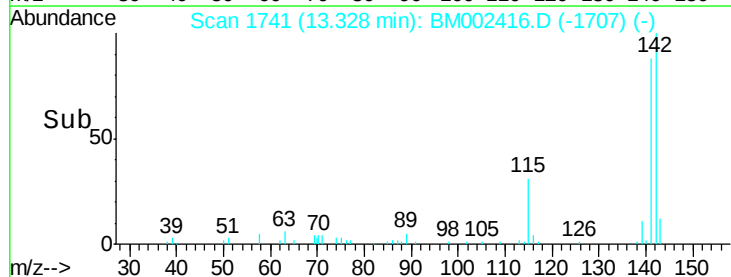
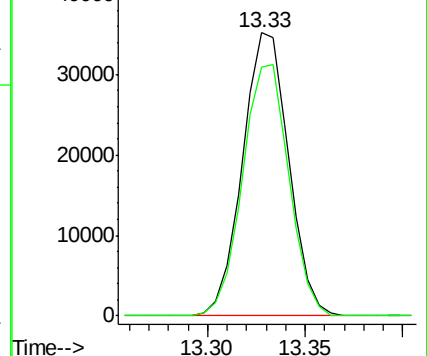
142 100

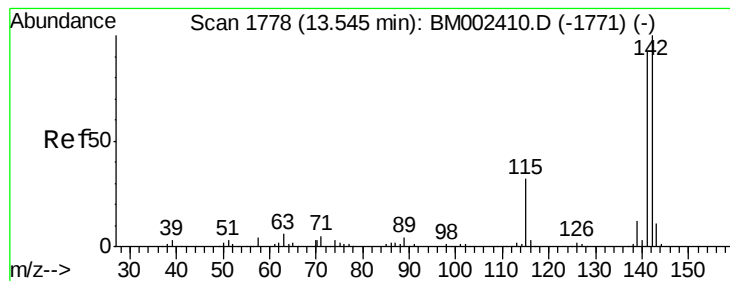
141 88.0 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.51 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

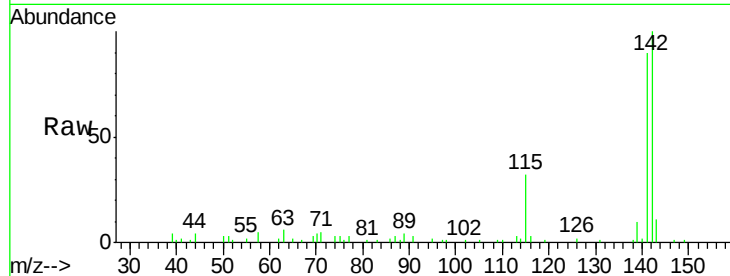
Tot Ion:142 Resp: 50177

Ion Ratio Lower Upper

142 100

141 89.8 73.9 110.9

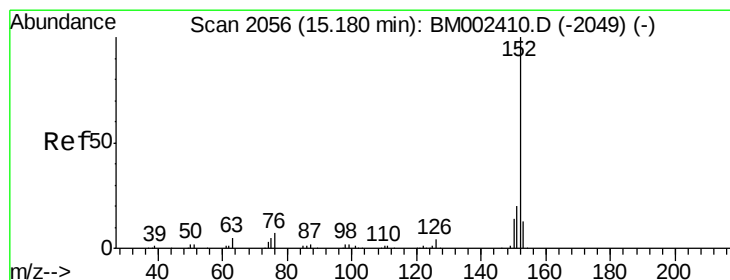
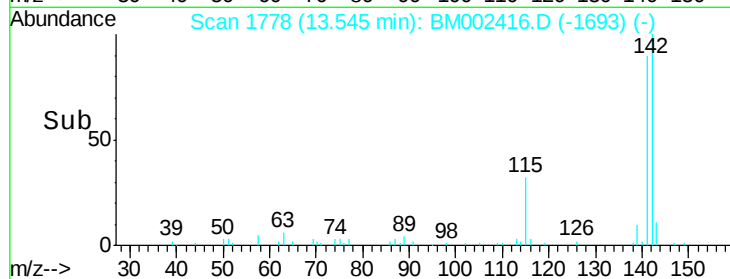
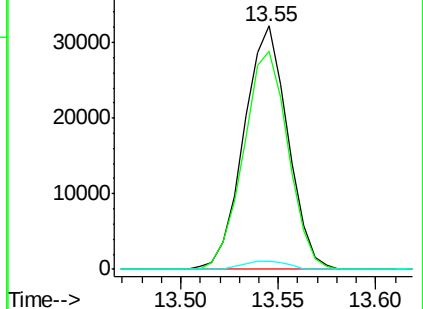
116 3.1 3.0 4.4



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: 1.23 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

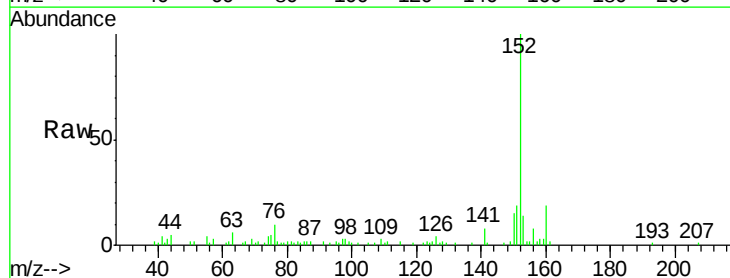
Tgt Ion:152 Resp: 60846

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

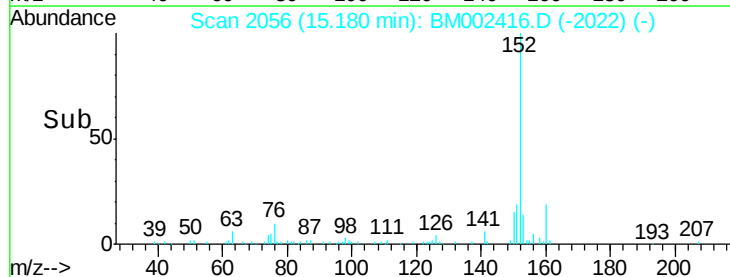
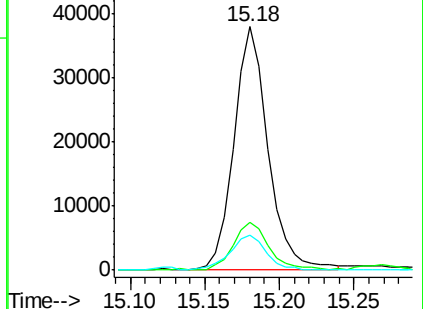
153 14.1 10.2 15.4

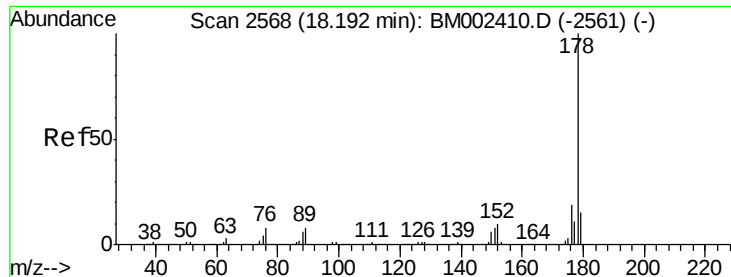


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 11.80 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampled :

D9D97

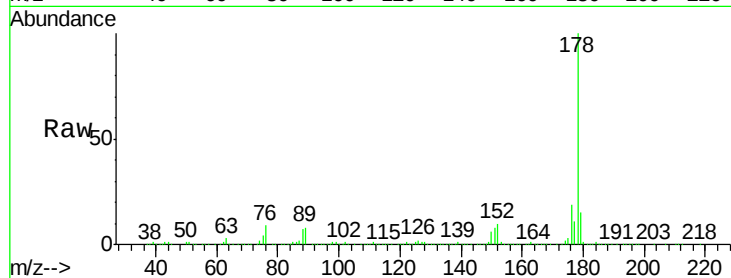
Tot Ion:178 Resp: 621323

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

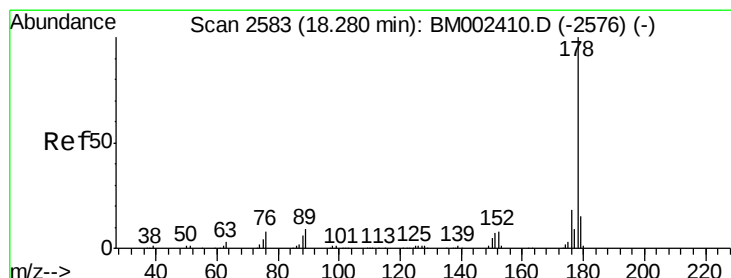
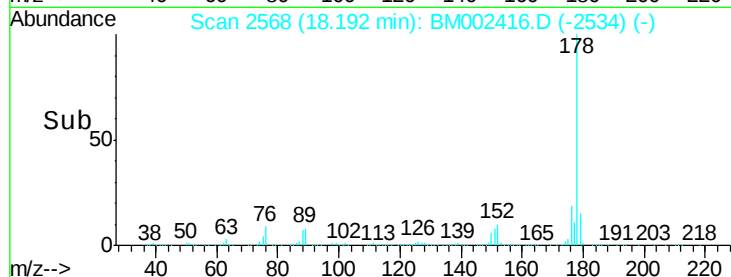
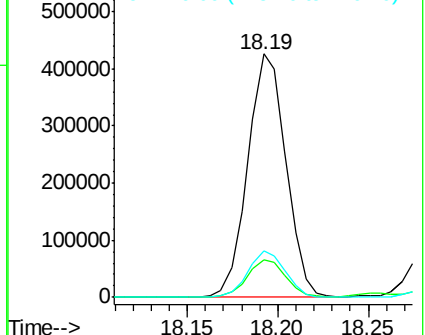
176 18.8 15.1 22.7



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: 2.36 ng/ul

RT: 18.28 min Scan# 2583

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

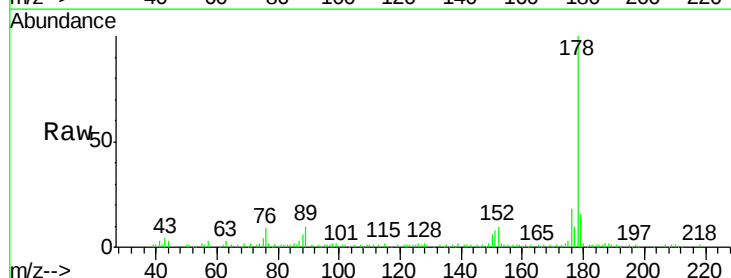
Tgt Ion:178 Resp: 126103

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

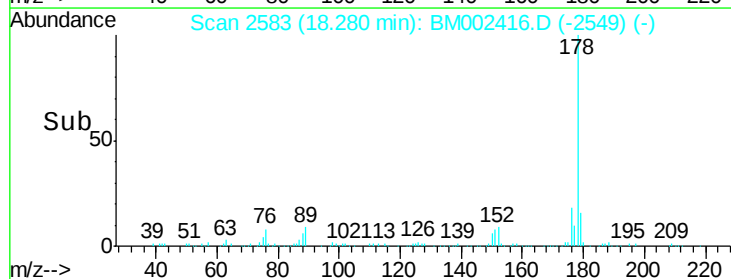
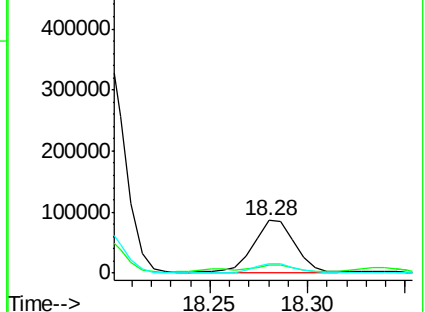
176 18.4 14.5 21.7

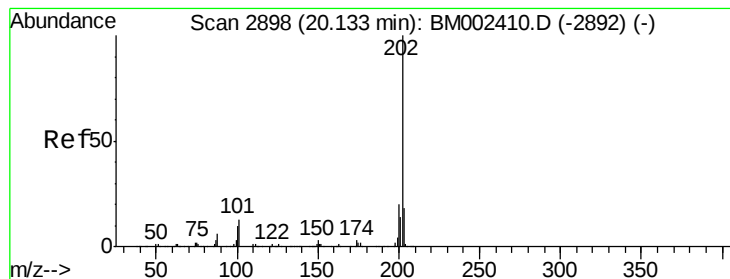


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 15.97 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

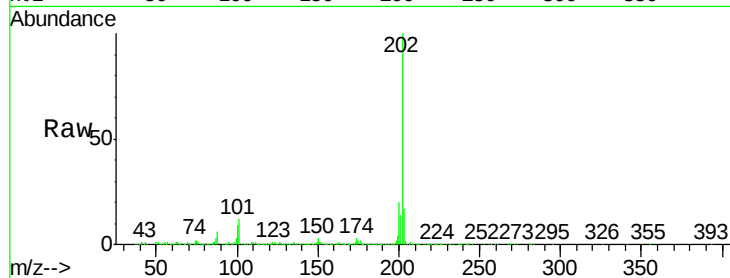
Tot Ion:202 Resp: 951908

Ion Ratio Lower Upper

202 100

101 12.4 9.7 14.5

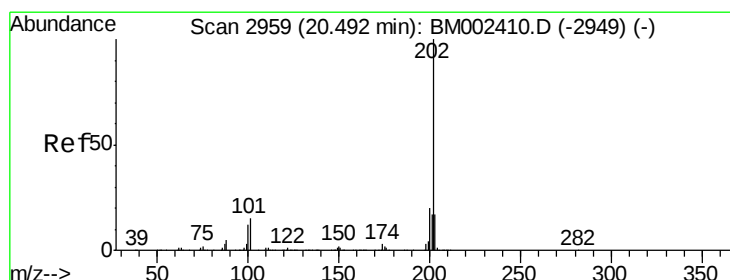
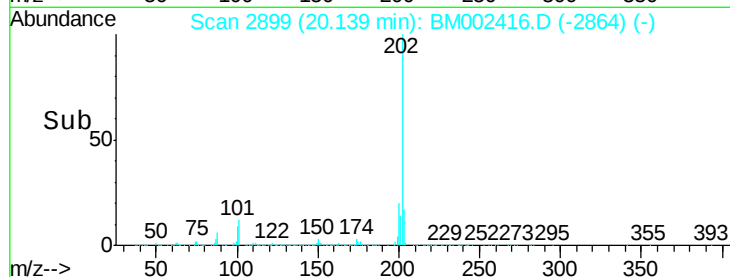
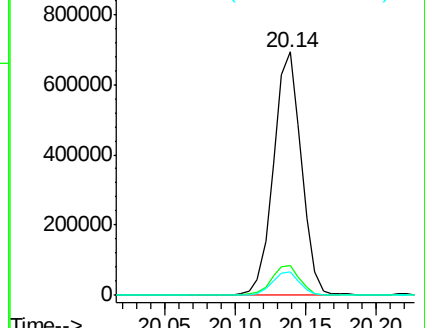
100 9.4 7.4 11.2



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: 19.04 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

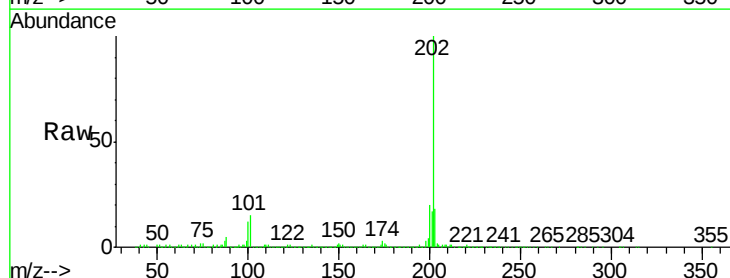
Tgt Ion:202 Resp: 710077

Ion Ratio Lower Upper

202 100

101 14.9 12.0 18.0

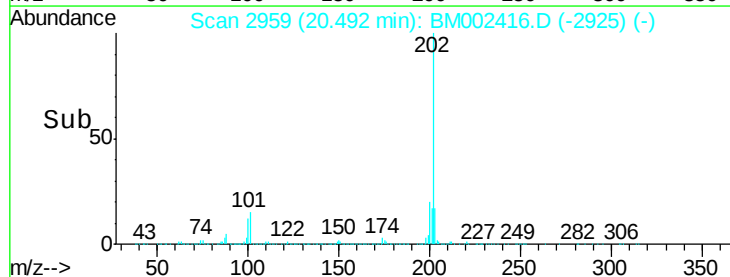
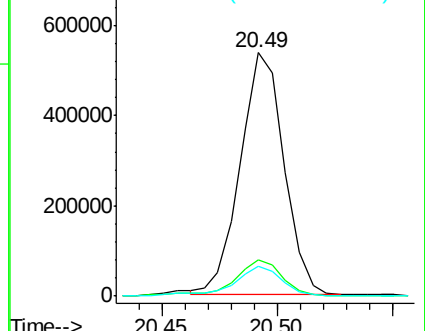
100 12.2 9.7 14.5

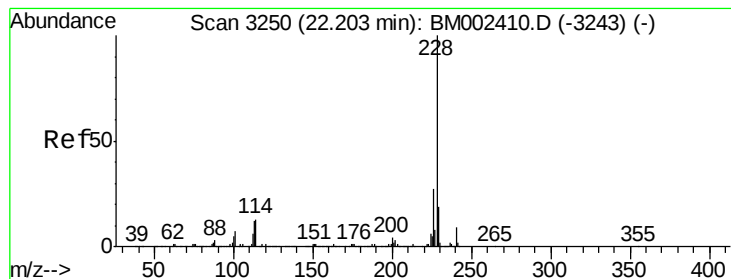


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 10.16 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

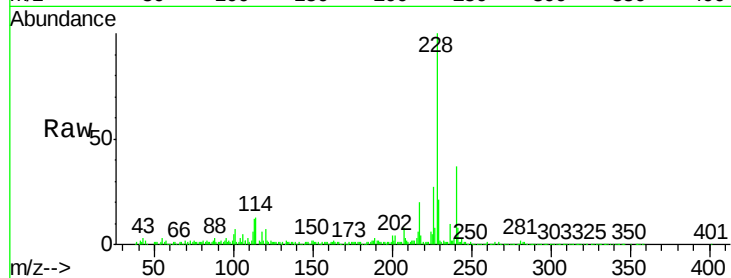
Tot Ion:228 Resp: 386681

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

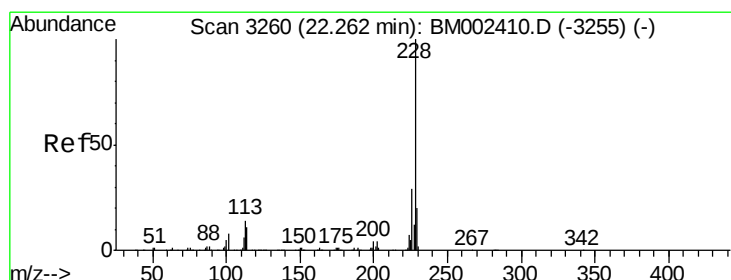
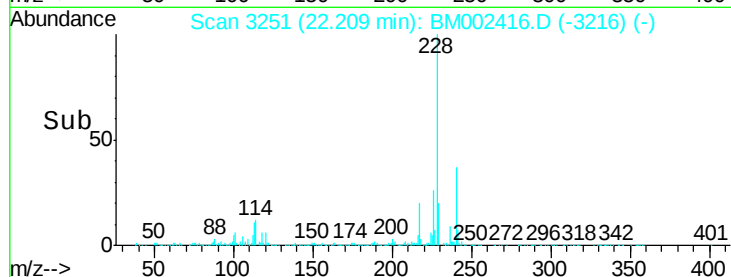
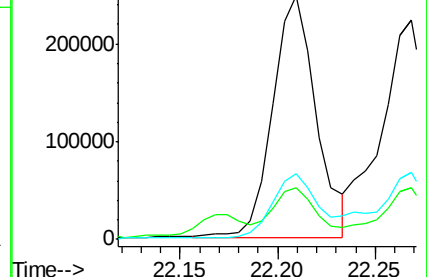
226 27.0 21.1 31.7



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: 10.56 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

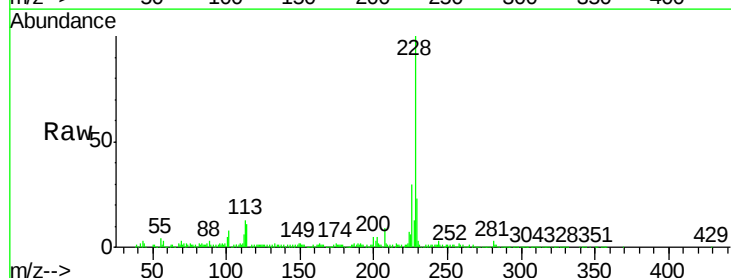
Tgt Ion:228 Resp: 376011

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

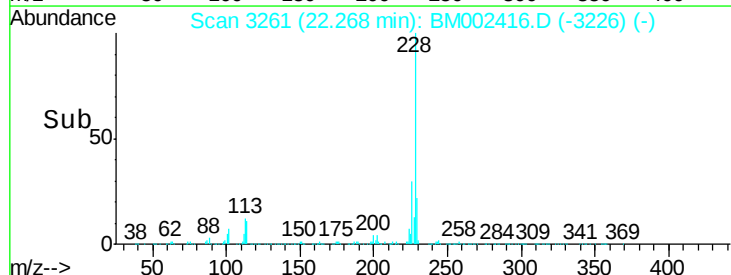
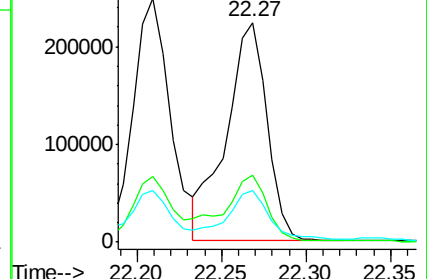
229 23.4 15.7 23.5

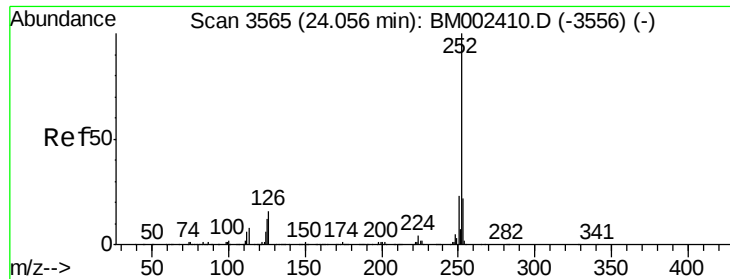


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 14.08 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

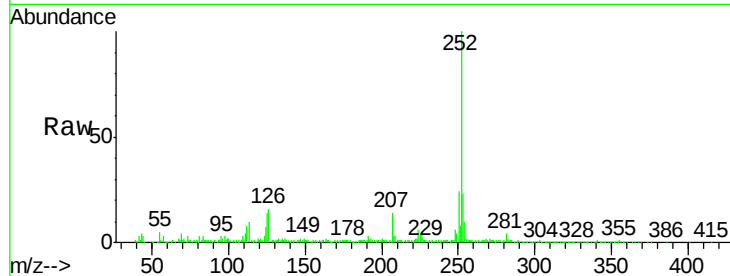
Tot Ion:252 Resp: 474487

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

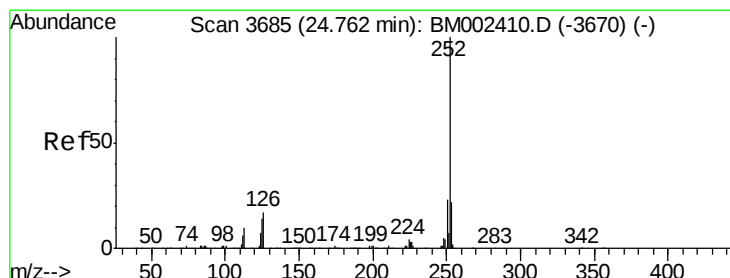
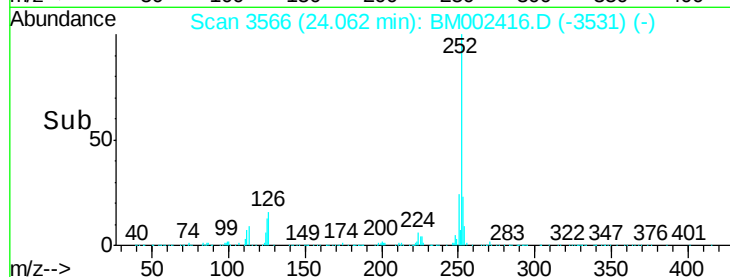
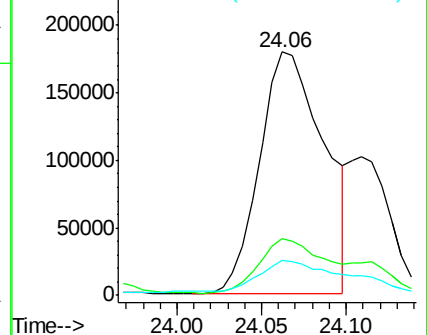
125 14.1 10.0 15.0



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: 9.35 ng/ul

RT: 24.77 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

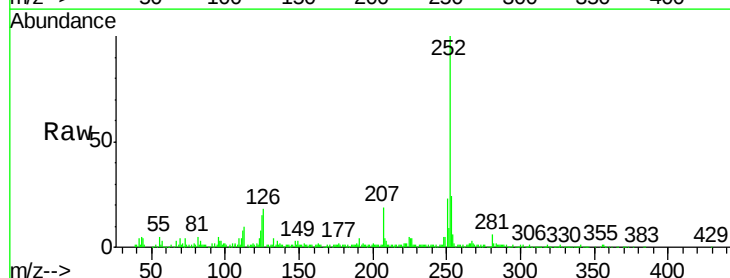
Tgt Ion:252 Resp: 301067

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

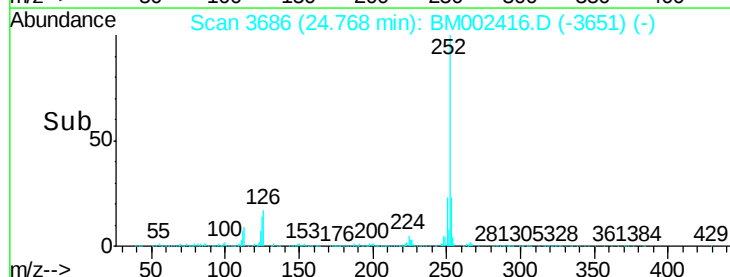
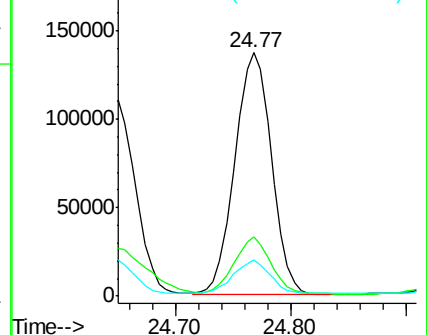
125 15.0 10.7 16.1

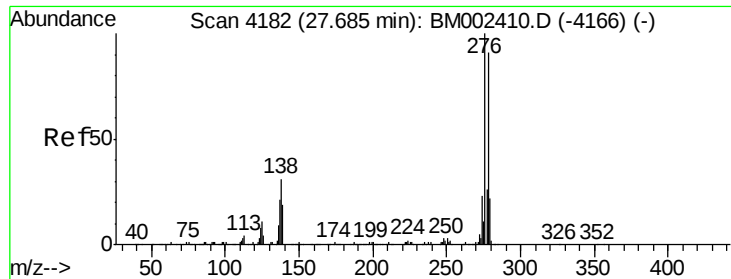


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

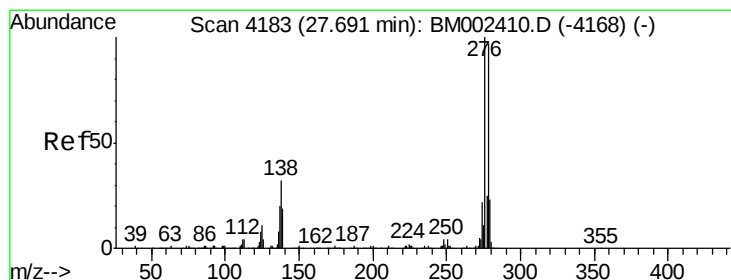
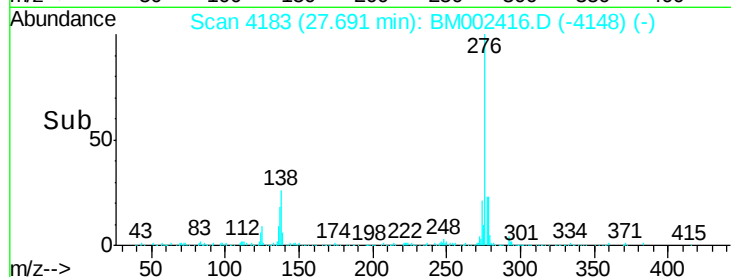
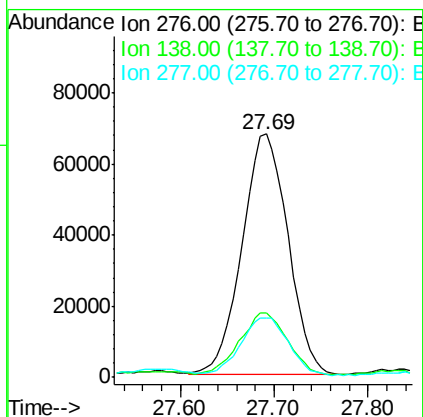
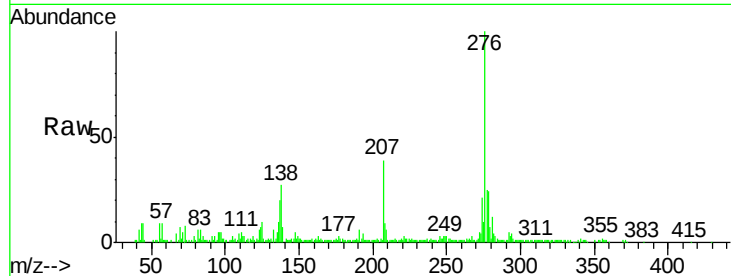




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.16 ng/ul
 RT: 27.69 min Scan# 4183
 Delta R.T. 0.01 min
 Lab File: BM002416.D
 Acq: 15 Aug 2015 09:44

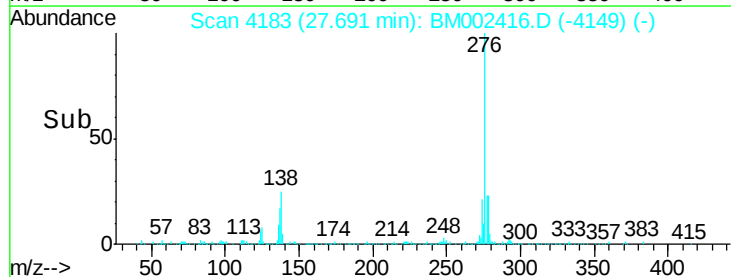
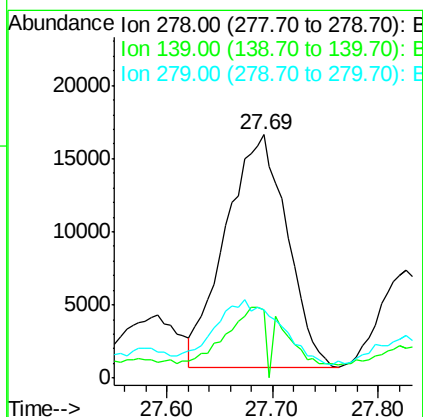
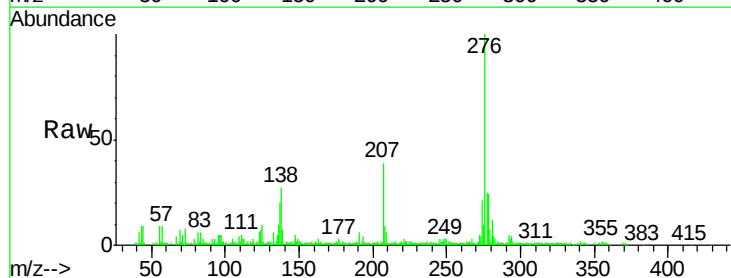
Instrument :
 BNA_M
 ClientSampleId :
 D9D97

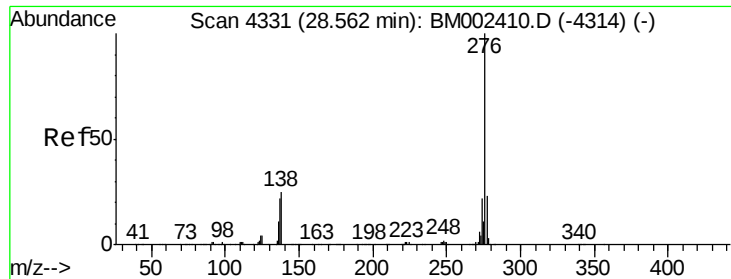
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.3	37.9
277	24.6	20.2	30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.06 ng/ul
 RT: 27.69 min Scan# 4183
 Delta R.T. 0.00 min
 Lab File: BM002416.D
 Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.9	16.5	24.7#
279	28.0	18.8	28.2





#29

Benzo(a,h,i)perylene

Concen: 6.69 ng/ul

RT: 28.57 min Scan# 4333

Delta R.T. 0.01 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

ClientSampleId :

D9D97

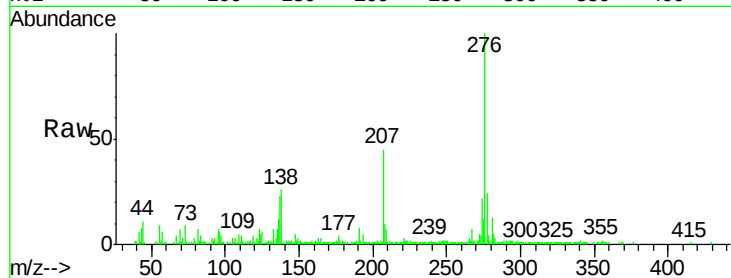
Tot Ion: 276 Resp: 206113

Ion Ratio Lower Upper

276 100

138 25.8 21.0 31.6

277 24.5 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

