

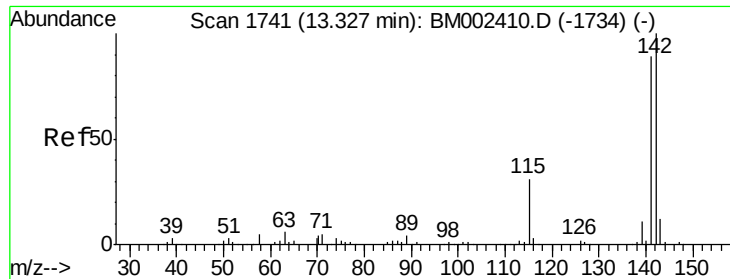
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002415.D
 Acq On : 15 Aug 2015 09:08
 Operator : UM/IZ
 Sample : G3194-22
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DE5

Quant Time: Aug 17 02:56:03 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	197692	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	888445	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	454978	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	914031	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	722422	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	578751	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	804417	17.29	ng/ul	0.00
10) Fluorene-d10	16.42	176	536680	16.43	ng/ul	0.00
14) Anthracene-d10	18.25	188	760237	17.24	ng/ul	0.00
18) Pyrene-d10	20.46	212	716402	22.37	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	505727	16.63	ng/ul	0.00
Target Compounds				Ovalue		
4) 2-Methylnaphthalene	13.33	142	34932	1.03	ng/ul	99
5) 1-Methylnaphthalene	13.33	142	34932	1.04	ng/ul	97
13) Phenanthrene	18.19	178	274824	5.21	ng/ul	100
16) Fluoranthene	20.14	202	666974	11.16	ng/ul	99
19) Pyrene	20.49	202	516984	12.22	ng/ul	99
20) Benzo(a)anthracene	22.21	228	300268	6.95	ng/ul	98
21) Chrysene	22.27	228	316958	7.84	ng/ul	97
23) Benzo(b)fluoranthene	24.06	252	396851	11.34	ng/ul	99
26) Benzo(a)pyrene	24.77	252	218117	6.53	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.69	276	168286	4.38	ng/ul	95
28) Dibenzo(a,h)anthracene	27.69	278	46598	1.45	ng/ul#	85
29) Benzo(g,h,i)perylene	28.57	276	152710	4.77	ng/ul	99

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



#4

2-Methylnaphthalene

Concen: 1.03 ng/ul

RT: 13.33 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

Instrument :

BNA_M

ClientSampleId :

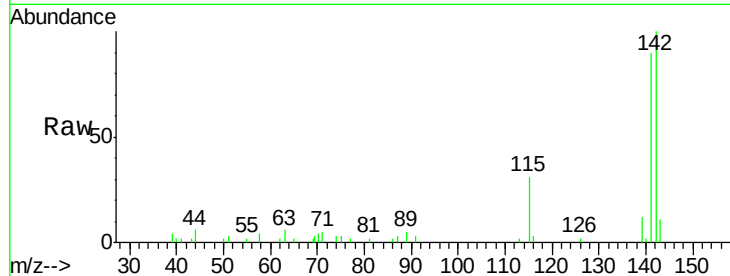
D9DE5

Tot Ion:142 Resp: 34932

Ion Ratio Lower Upper

142 100

141 89.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.33

20000

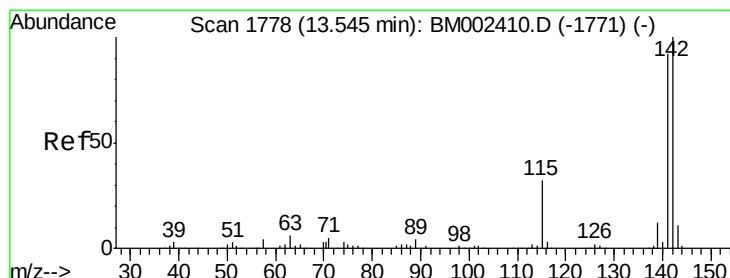
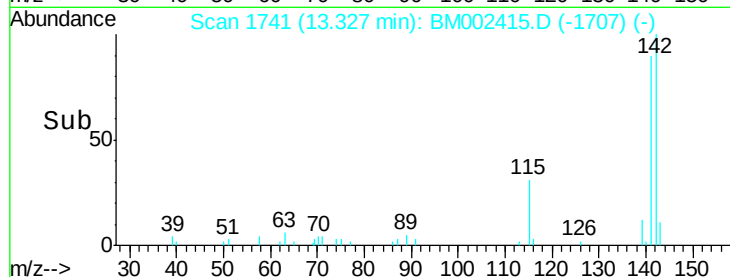
15000

10000

5000

0

Time-->



#5

1-Methylnaphthalene

Concen: 1.04 ng/ul

RT: 13.33 min Scan# 1741

Delta R.T. -0.22 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

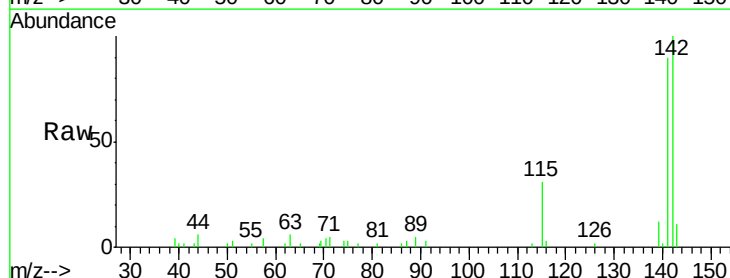
Tgt Ion:142 Resp: 34932

Ion Ratio Lower Upper

142 100

141 89.6 73.9 110.9

116 3.4 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

13.33

20000

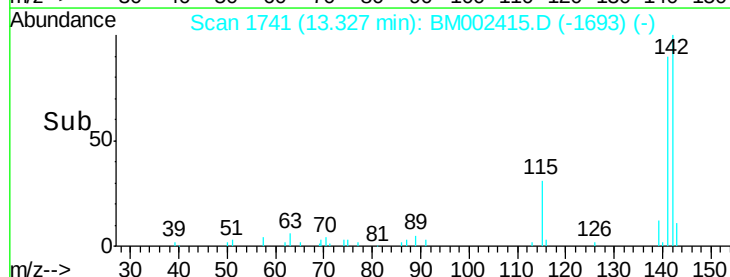
15000

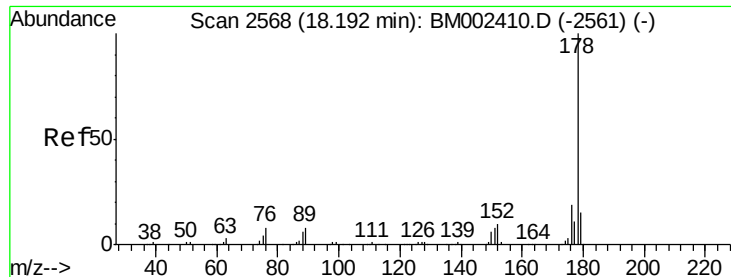
10000

5000

0

Time-->





#13

Phenanthrene

Concen: 5.21 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

Instrument :

BNA_M

ClientSampled :

D9DE5

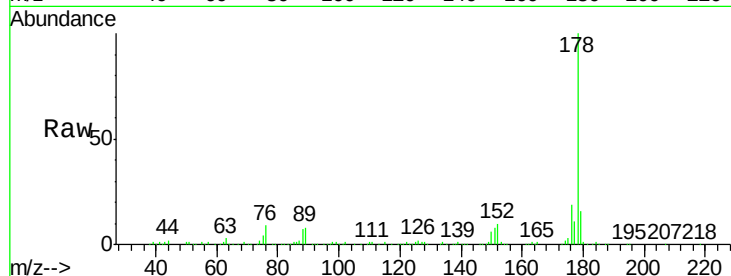
Tot Ion:178 Resp: 274824

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

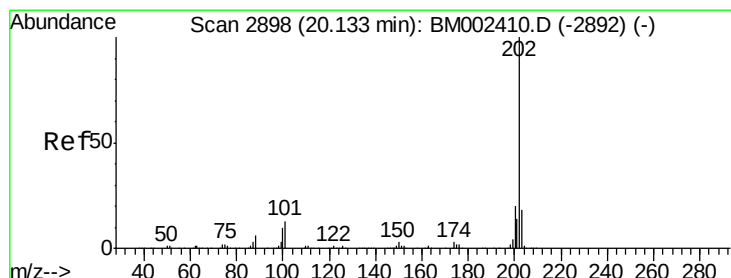
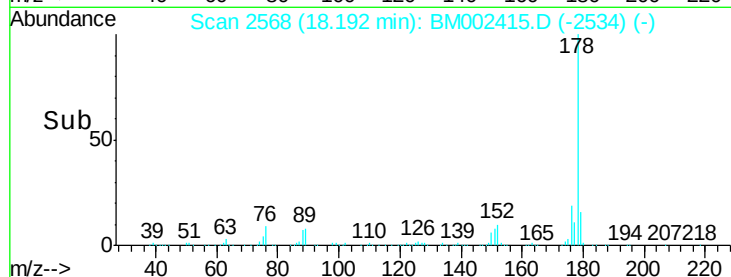
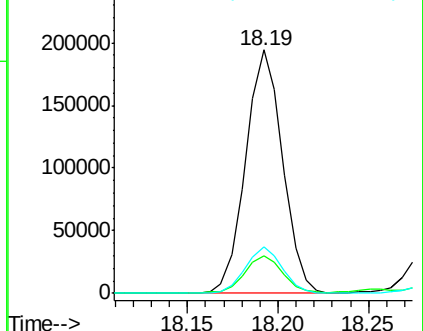
176 18.9 15.1 22.7



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: 11.16 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

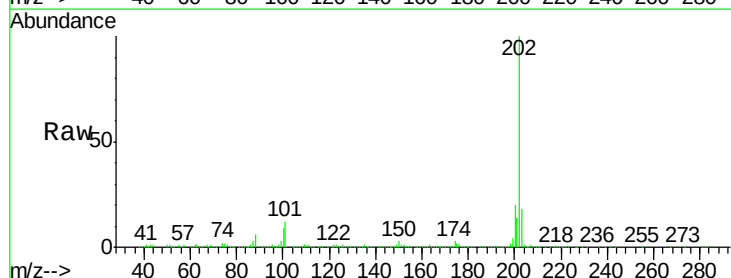
Tgt Ion:202 Resp: 666974

Ion Ratio Lower Upper

202 100

101 12.4 9.7 14.5

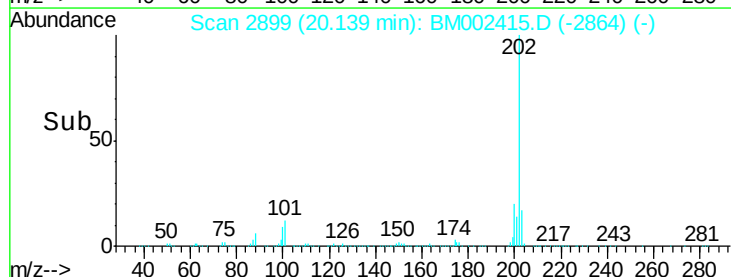
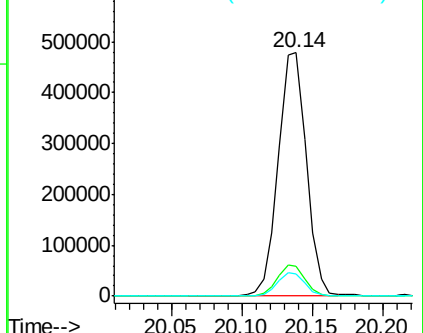
100 9.1 7.4 11.2

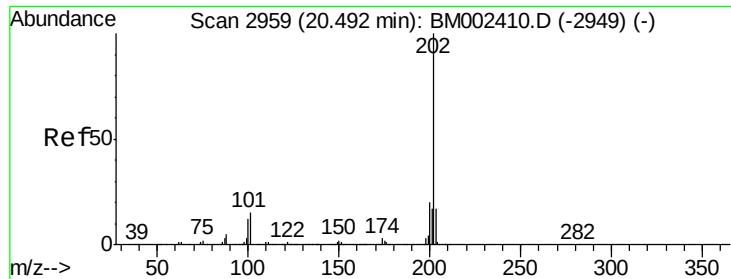


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 12.22 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

Instrument :

BNA_M

ClientSampleId :

D9DE5

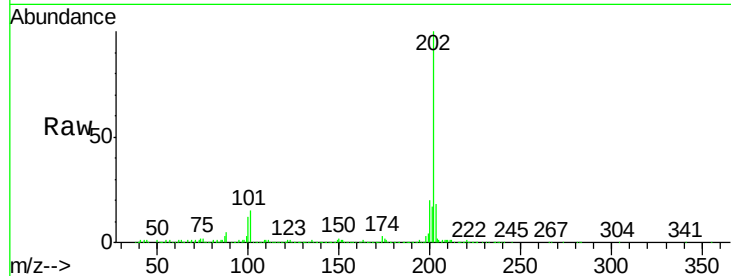
Tot Ion:202 Resp: 516984

Ion Ratio Lower Upper

202 100

101 14.9 12.0 18.0

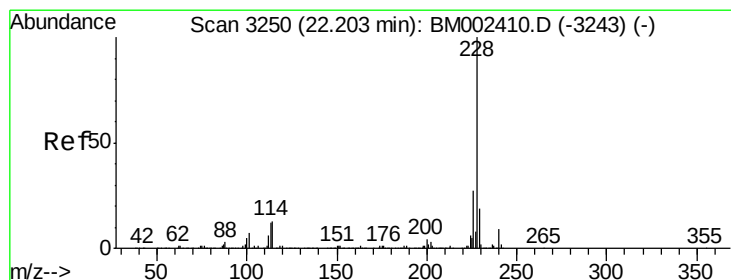
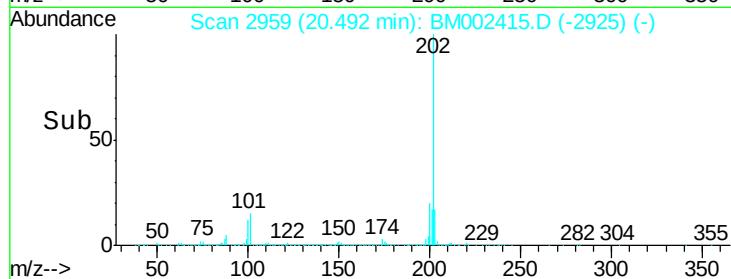
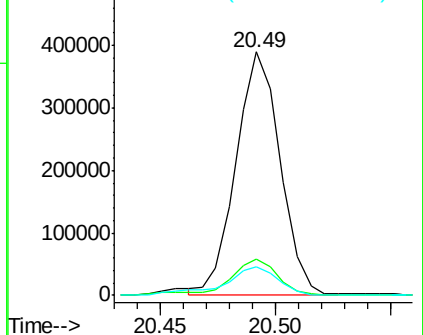
100 11.6 9.7 14.5



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: 6.95 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

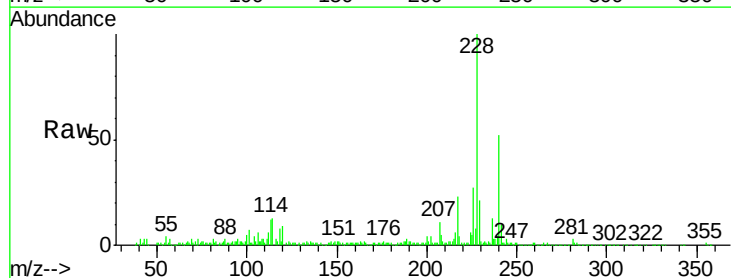
Tgt Ion:228 Resp: 300268

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

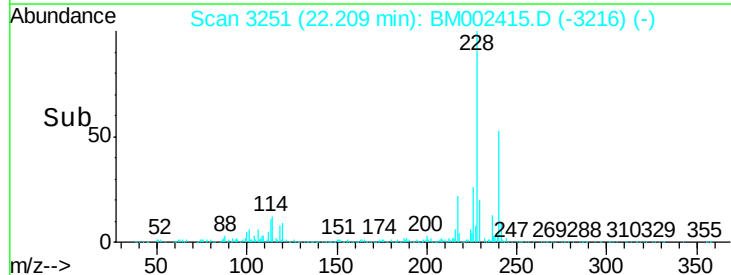
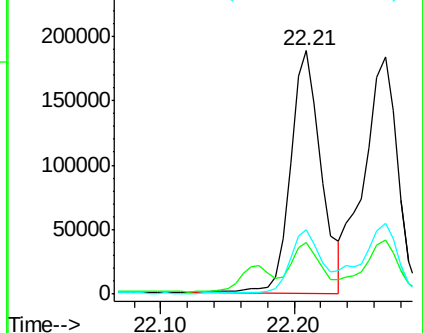
226 26.7 21.1 31.7

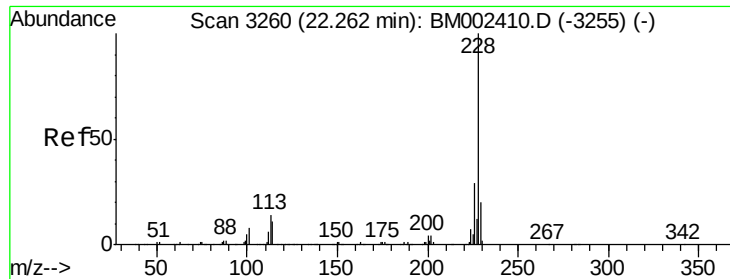


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.84 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

Instrument :

BNA_M

ClientSampleId :

D9DE5

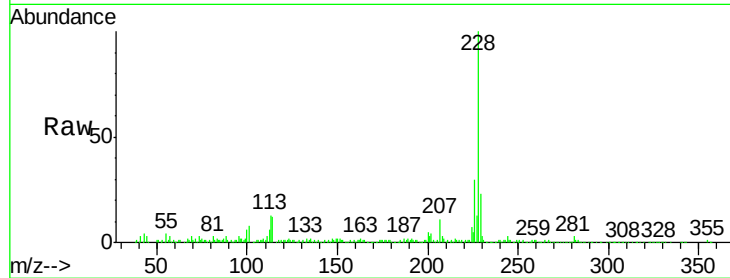
Tot Ion:228 Resp: 316958

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

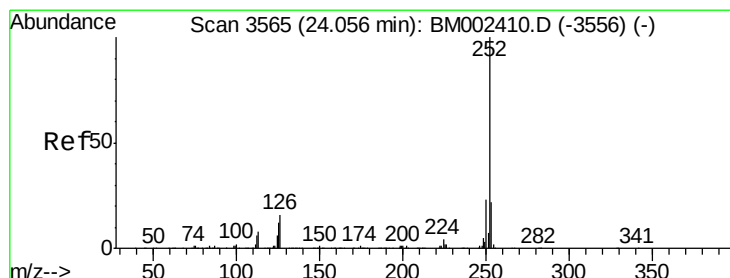
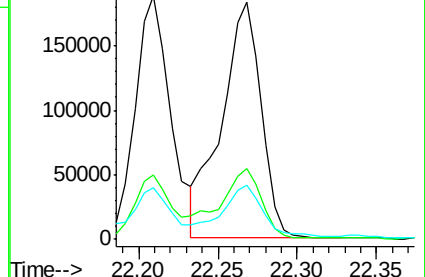
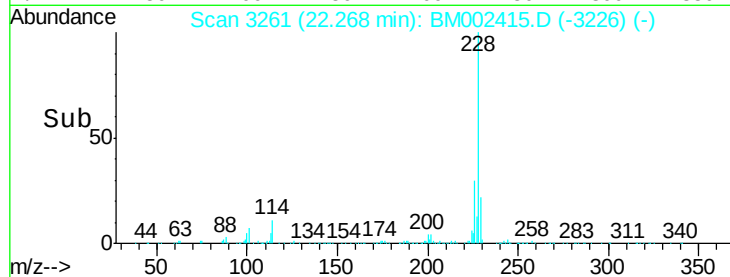
229 22.7 15.7 23.5



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: 11.34 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. 0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

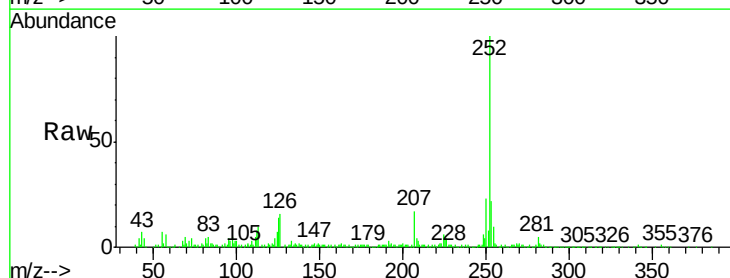
Tgt Ion:252 Resp: 396851

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

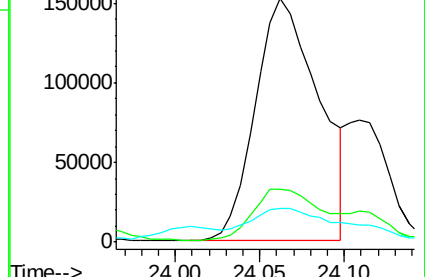
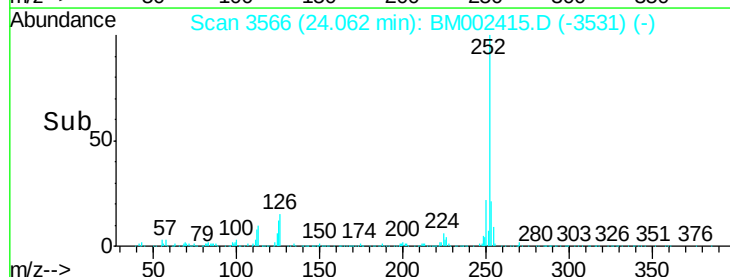
125 13.8 10.0 15.0

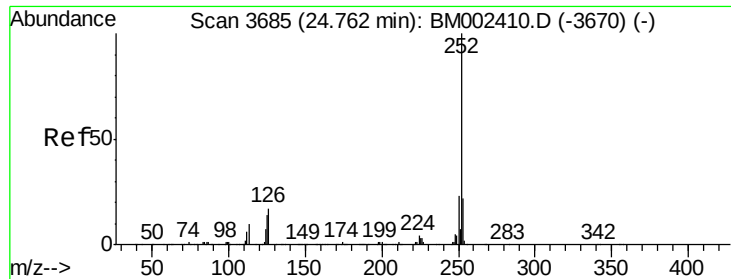


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

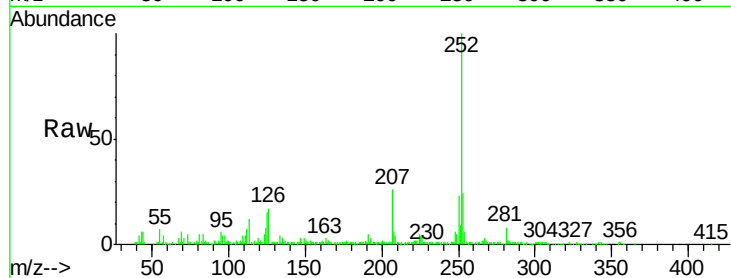




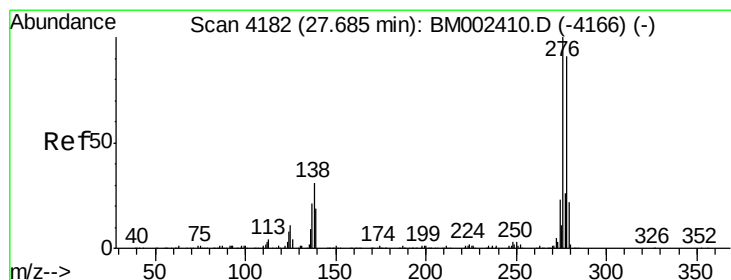
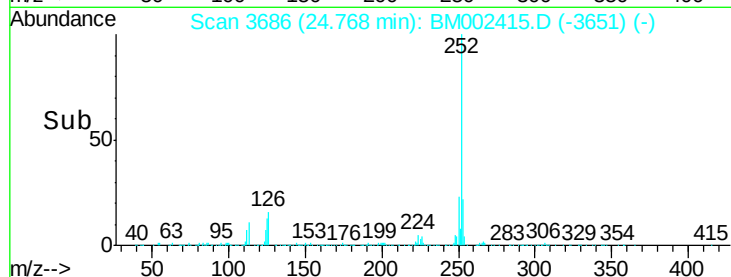
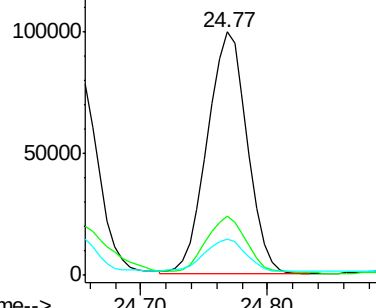
#26
Benzo(a)pyrene
Concen: 6.53 ng/ul
RT: 24.77 min Scan# 3686
Delta R.T. 0.01 min
Lab File: BM002415.D
Acq: 15 Aug 2015 09:08

Instrument :
BNA_M
ClientSampleId :
D9DE5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	14.8	10.7	16.1

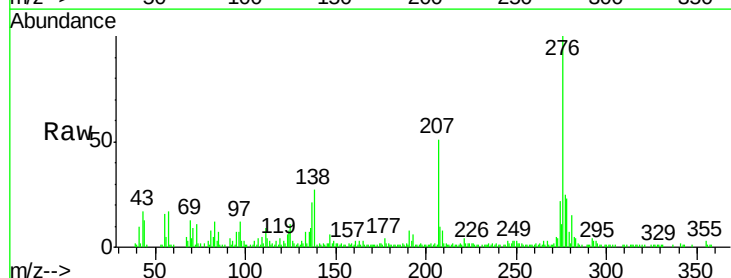


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

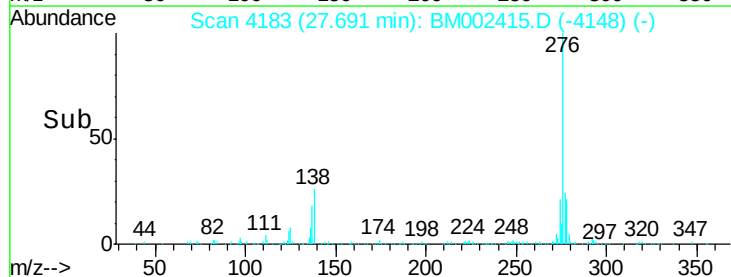
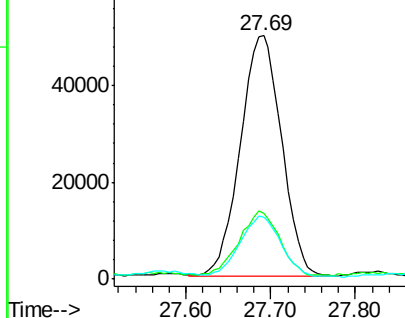


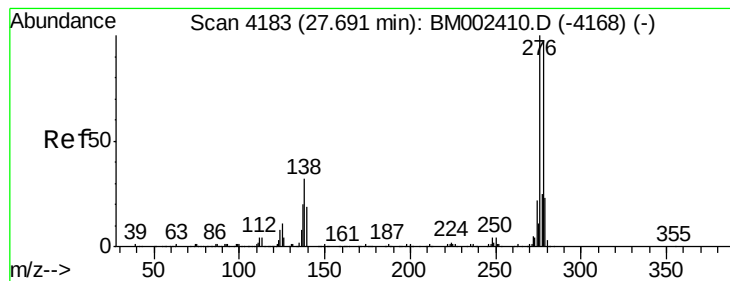
#27
Indeno(1,2,3-cd)pyrene
Concen: 4.38 ng/ul
RT: 27.69 min Scan# 4183
Delta R.T. 0.01 min
Lab File: BM002415.D
Acq: 15 Aug 2015 09:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.3	37.9
277	25.4	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: 1.45 ng/ul

RT: 27.69 min Scan# 4182

Delta R.T. -0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

Instrument :

BNA_M

ClientSampleId :

D9DE5

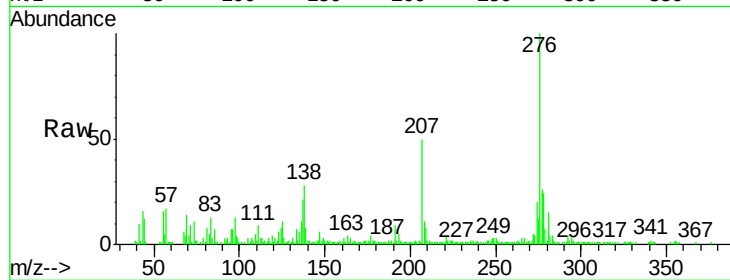
Tot Ion:278 Resp: 46598

Ion Ratio Lower Upper

278 100

139 31.9 16.5 24.7#

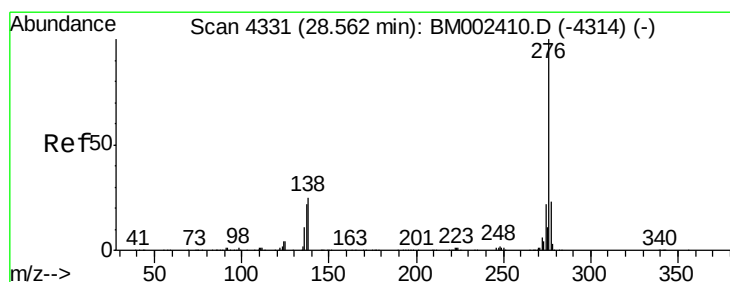
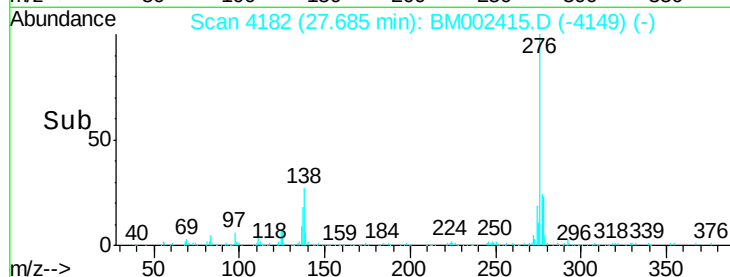
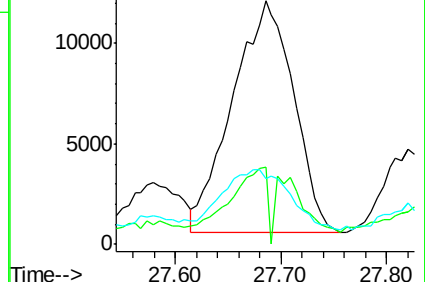
279 27.0 18.8 28.2



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: 4.77 ng/ul

RT: 28.57 min Scan# 4332

Delta R.T. 0.01 min

Lab File: BM002415.D

Acq: 15 Aug 2015 09:08

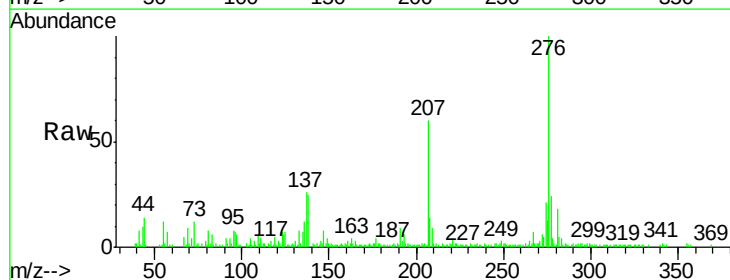
Tgt Ion:276 Resp: 152710

Ion Ratio Lower Upper

276 100

138 25.2 21.0 31.6

277 24.0 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

