

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002423.D
 Acq On : 15 Aug 2015 14:08
 Operator : UM/IZ
 Sample : G3194-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:57:23 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

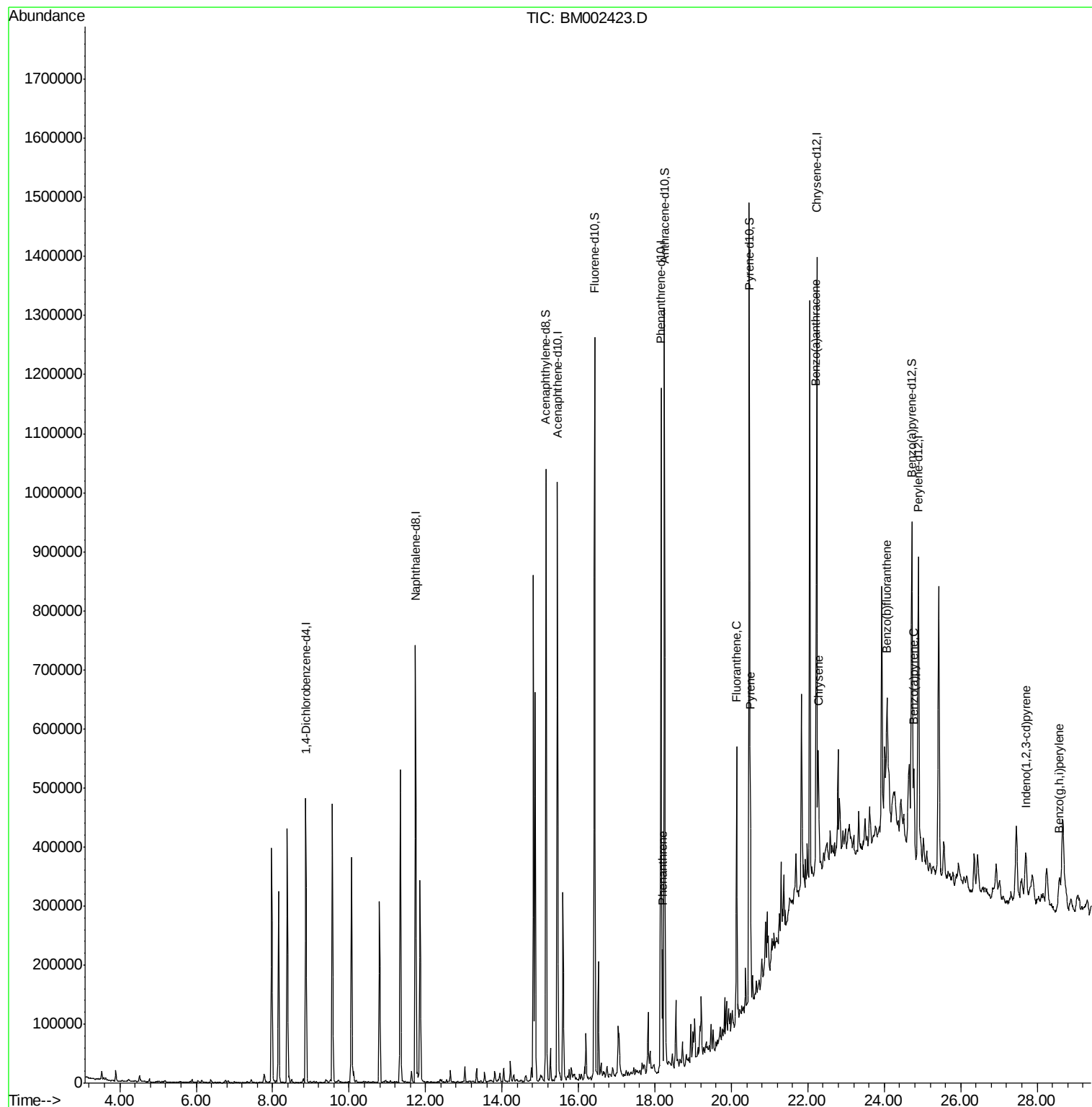
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	146876	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	669732	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	348434	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	691223	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	521830	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	426875	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	791935	22.23	ng/ul	0.00
10) Fluorene-d10	16.42	176	526232	21.03	ng/ul	0.00
14) Anthracene-d10	18.25	188	740044	22.20	ng/ul	0.00
18) Pyrene-d10	20.47	212	674872	29.18	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	456254	20.35	ng/ul	0.01
Target Compounds				Ovalue		
13) Phenanthrene	18.20	178	126120	3.16	ng/ul	99
16) Fluoranthene	20.14	202	280192	6.20	ng/ul	98
19) Pyrene	20.50	202	239708	7.84	ng/ul	98
20) Benzo(a)anthracene	22.22	228	118855	3.81	ng/ul	97
21) Chrysene	22.27	228	137492	4.71	ng/ul	96
23) Benzo(b)fluoranthene	24.07	252	173876	6.74	ng/ul#	95
26) Benzo(a)pyrene	24.78	252	105902	4.30	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.70	276	81837	2.89	ng/ul	92
29) Benzo(g,h,i)perylene	28.58	276	81719	3.46	ng/ul	99

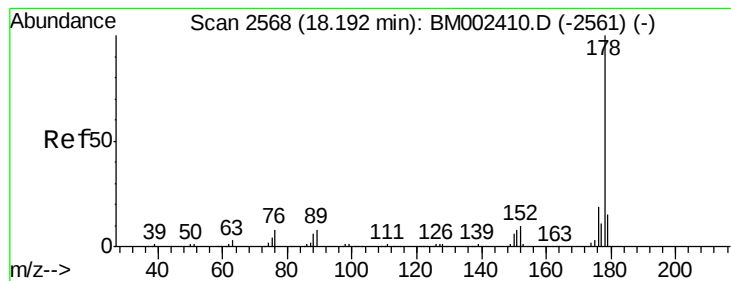
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.16 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

Instrument :

BNA_M

ClientSampleId :

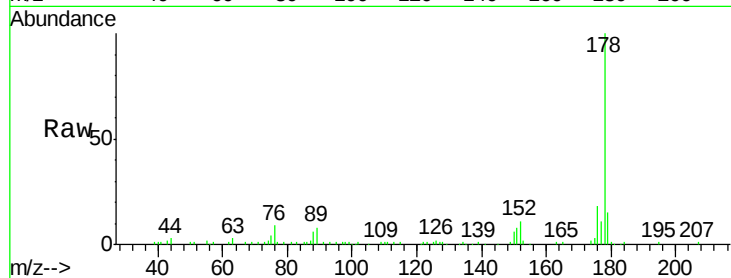
Tot Ion:178 Resp: 126120

Ion Ratio Lower Upper

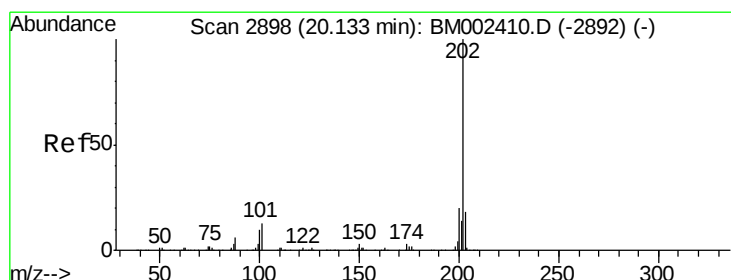
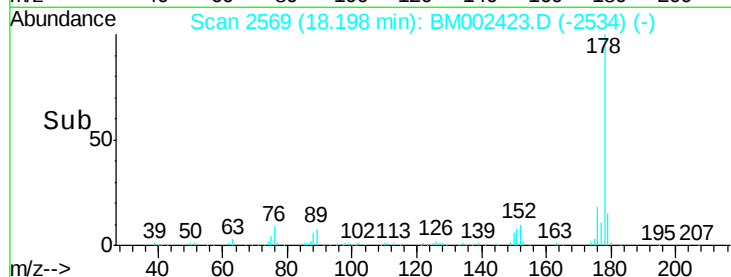
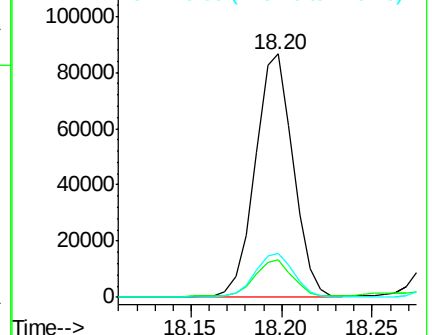
178 100

179 15.3 12.4 18.6

176 18.2 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: 6.20 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

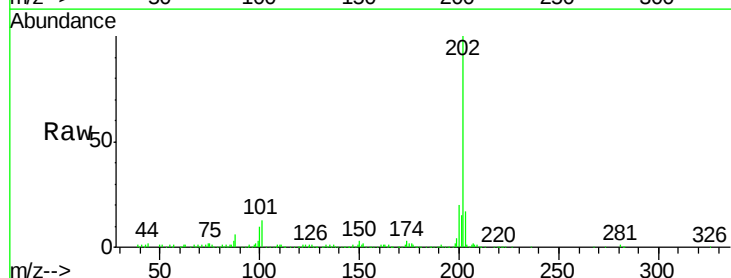
Tgt Ion:202 Resp: 280192

Ion Ratio Lower Upper

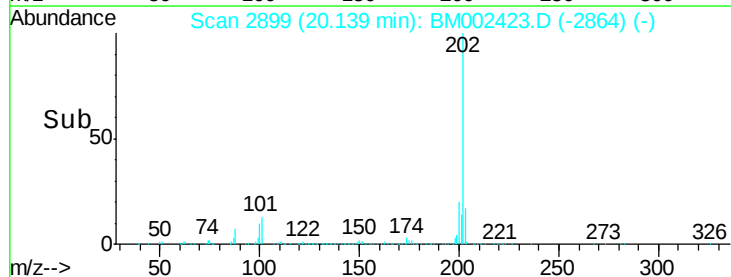
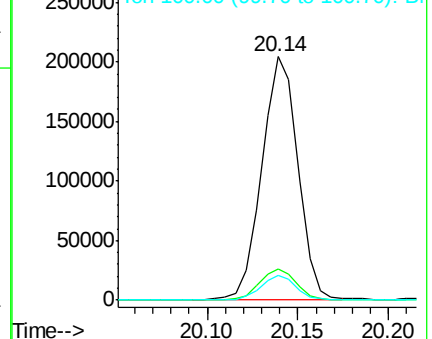
202 100

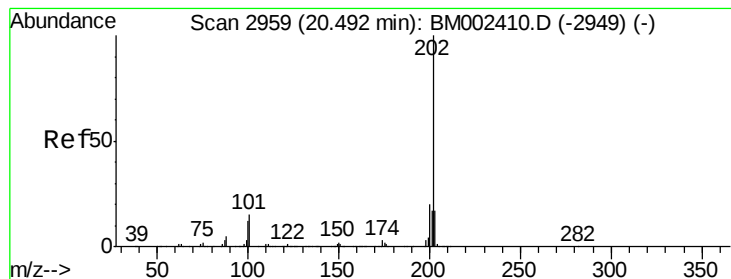
101 12.9 9.7 14.5

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

Pvrene

Concen: 7.84 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

Instrument :

BNA_M

ClientSampleId :

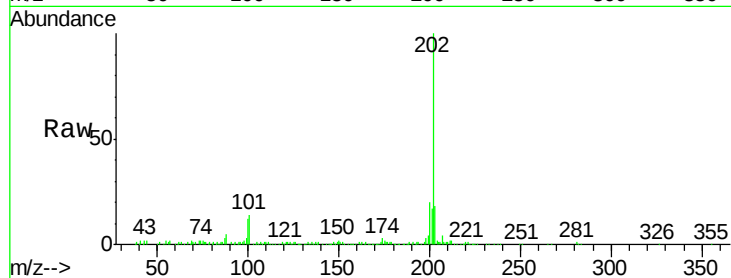
Tot Ion:202 Resp: 239708

Ion Ratio Lower Upper

202 100

101 13.8 12.0 18.0

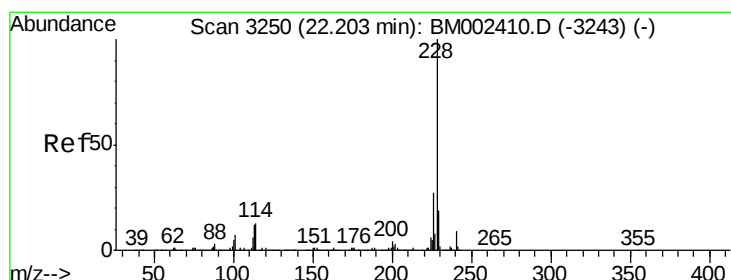
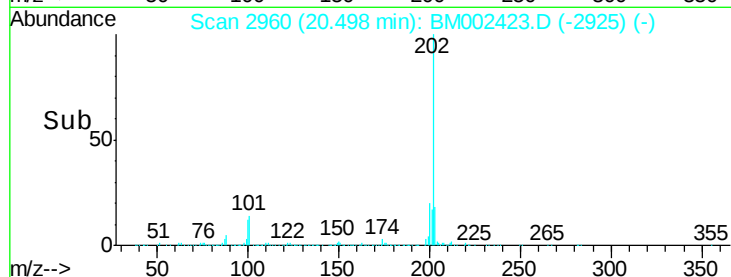
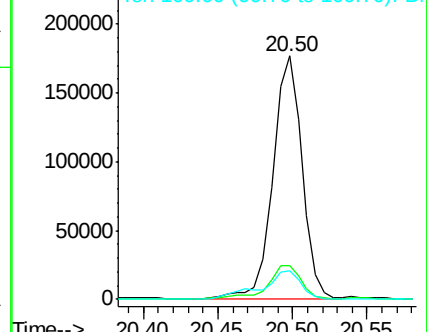
100 11.7 9.7 14.5



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: 3.81 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

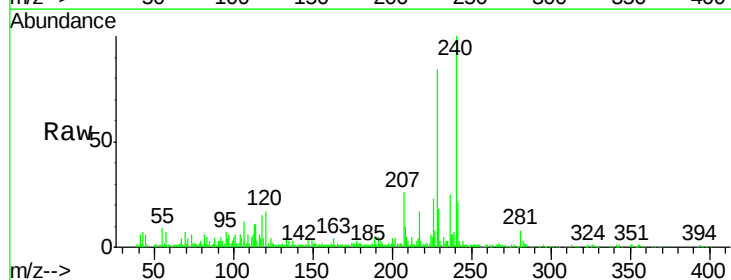
Tgt Ion:228 Resp: 118855

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

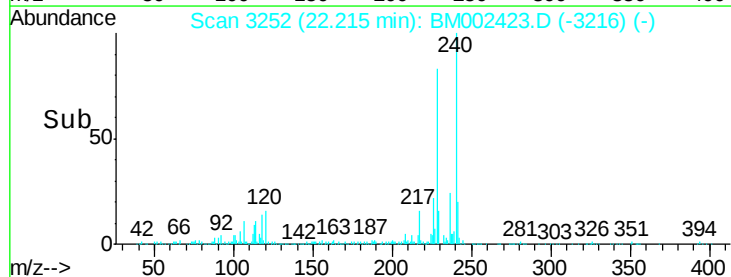
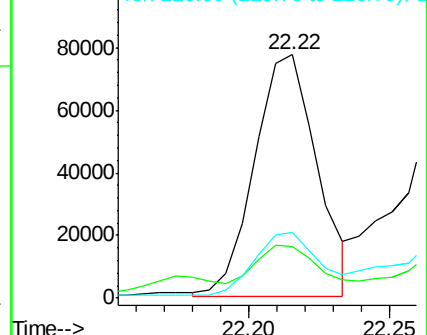
226 27.2 21.1 31.7

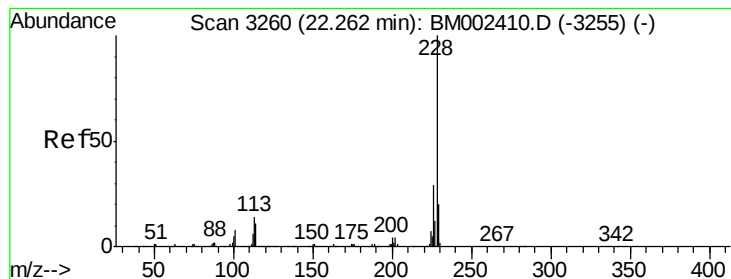


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 4.71 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

Instrument :

BNA_M

ClientSampleId :

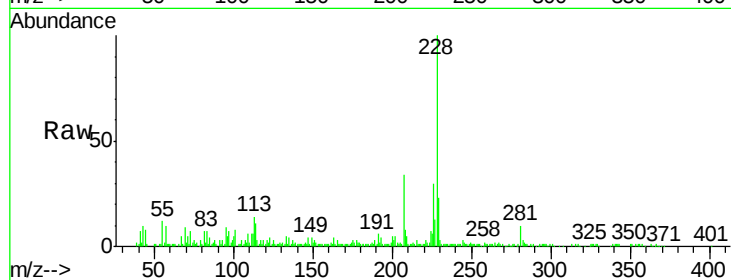
Tot Ion:228 Resp: 137492

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

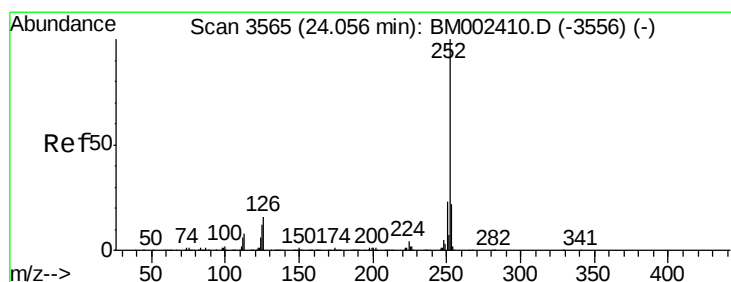
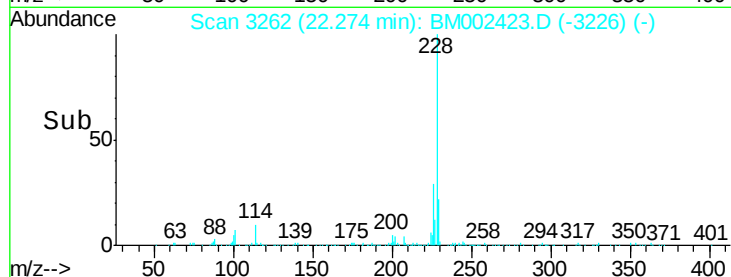
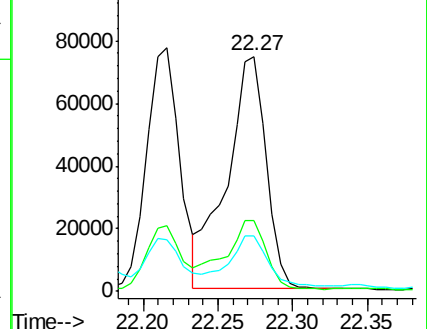
229 23.4 15.7 23.5



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: 6.74 ng/ul

RT: 24.07 min Scan# 3567

Delta R.T. 0.01 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

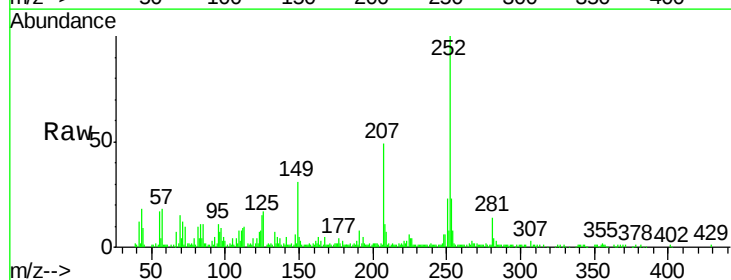
Tgt Ion:252 Resp: 173876

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

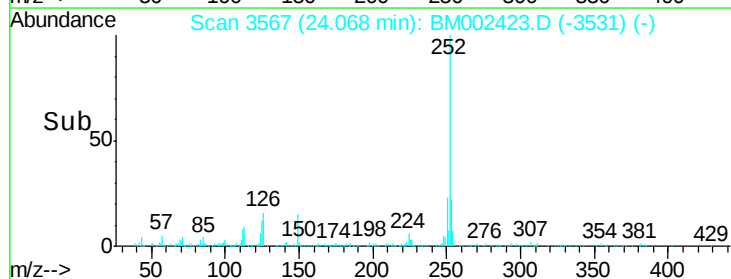
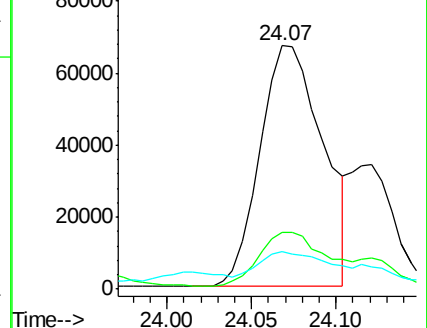
125 15.5 10.0 15.0#

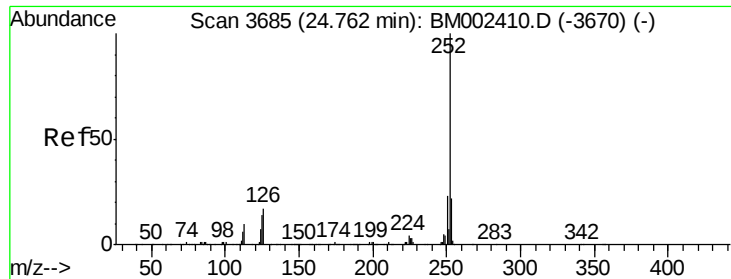


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

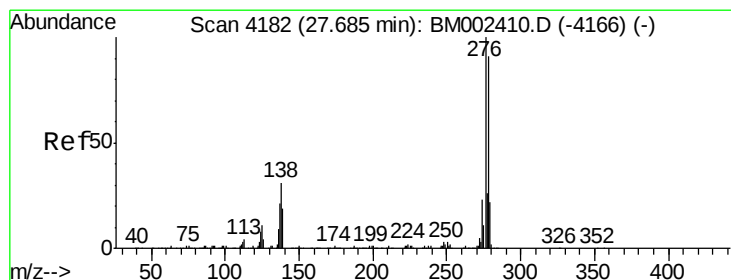
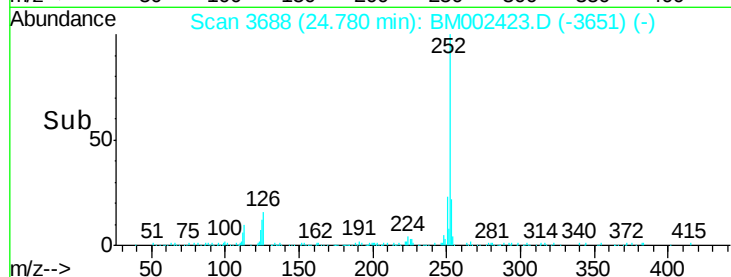
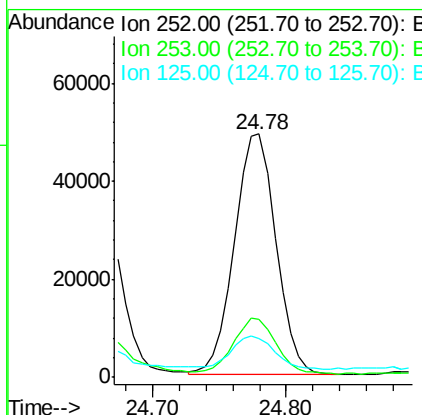
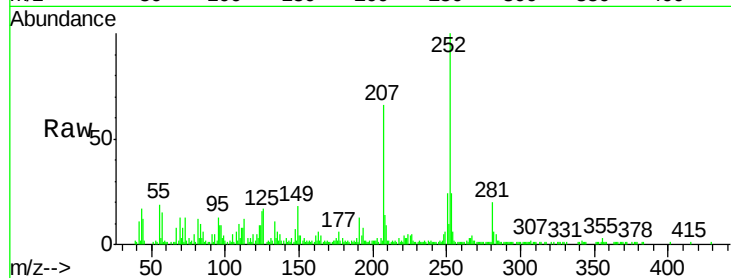




#26
Benzo(a)pyrene
Concen: 4.30 ng/ul
RT: 24.78 min Scan# 3688
Delta R.T. 0.02 min
Lab File: BM002423.D
Acq: 15 Aug 2015 14:08

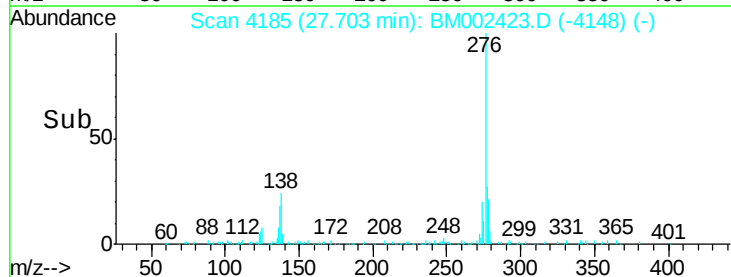
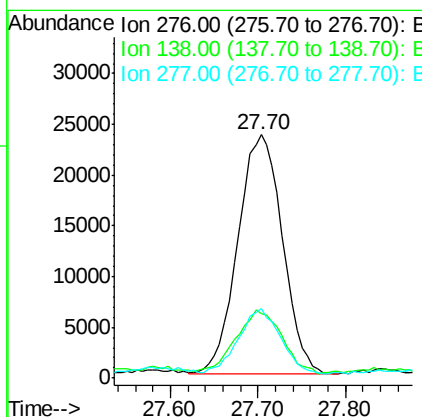
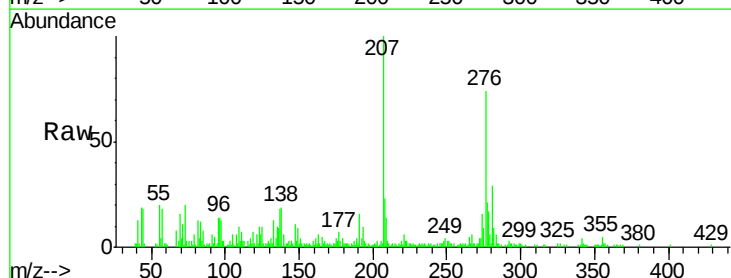
Instrument :
BNA_M
ClientSampleId :

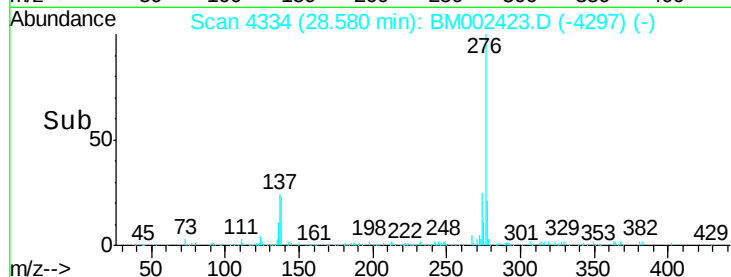
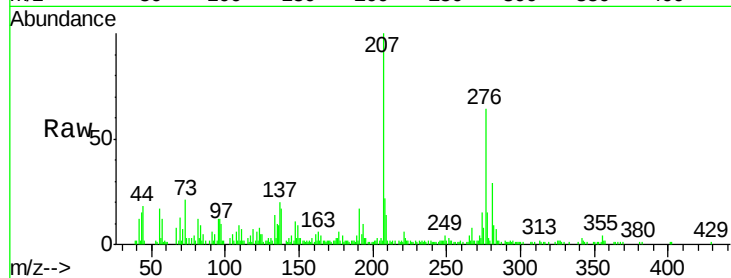
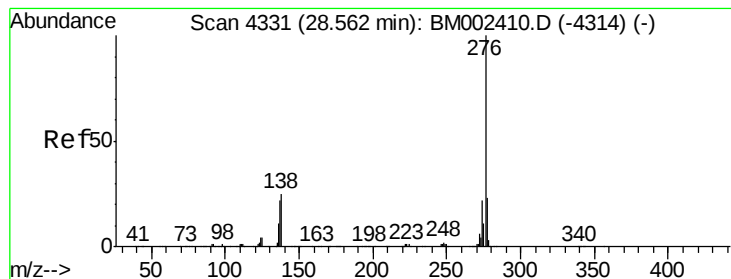
Tot Ion:252 Resp: 105902
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 15.7 10.7 16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.89 ng/ul
RT: 27.70 min Scan# 4185
Delta R.T. 0.02 min
Lab File: BM002423.D
Acq: 15 Aug 2015 14:08

Tgt Ion:276 Resp: 81837
Ion Ratio Lower Upper
276 100
138 26.2 25.3 37.9
277 28.4 20.2 30.2





#29

Benzo(a,h,i)perylene

Concen: 3.46 ng/ul

RT: 28.58 min Scan# 4334

Delta R.T. 0.02 min

Lab File: BM002423.D

Acq: 15 Aug 2015 14:08

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 81719

Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.6

277 23.1 19.2 28.8

