

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002426.D
 Acq On : 15 Aug 2015 15:58
 Operator : UM/IZ
 Sample : G3219-17
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:57:53 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

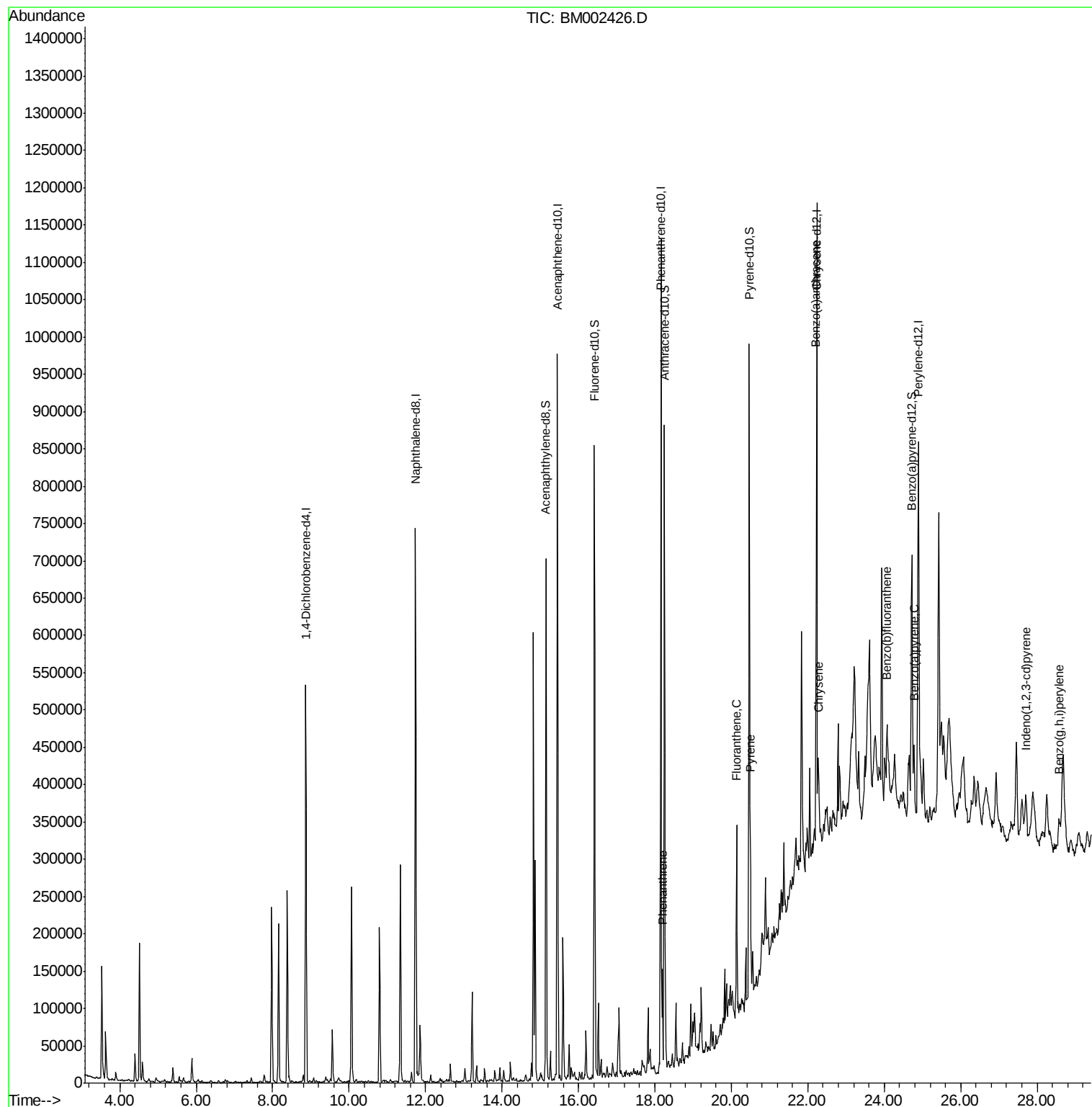
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	162565	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	678308	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	341340	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	666392	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	449589	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	393004	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	526578	15.09	ng/ul	0.00
10) Fluorene-d10	16.42	176	356423	14.54	ng/ul	0.00
14) Anthracene-d10	18.25	188	491203	15.28	ng/ul	0.00
18) Pyrene-d10	20.47	212	425789	21.37	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	289539	14.03	ng/ul	0.01
Target Compounds				Ovalue		
13) Phenanthrene	18.20	178	84503	2.20	ng/ul	99
16) Fluoranthene	20.14	202	151731	3.48	ng/ul	99
19) Pyrene	20.50	202	133602	5.07	ng/ul	98
20) Benzo(a)anthracene	22.22	228	61726	2.30	ng/ul#	95
21) Chrysene	22.27	228	78099	3.11	ng/ul#	95
23) Benzo(b)fluoranthene	24.07	252	106696	4.49	ng/ul#	94
26) Benzo(a)pyrene	24.78	252	62998	2.78	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.71	276	51919	1.99	ng/ul	93
29) Benzo(g,h,i)perylene	28.59	276	58980	2.71	ng/ul#	93

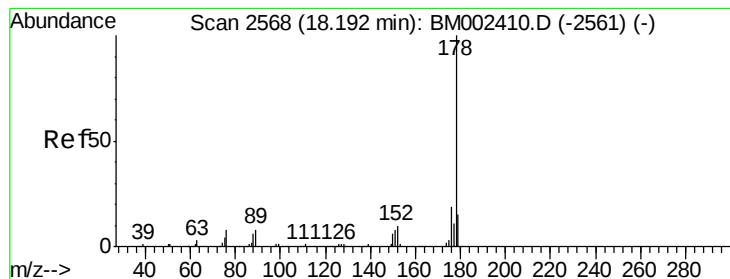
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 2.20 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

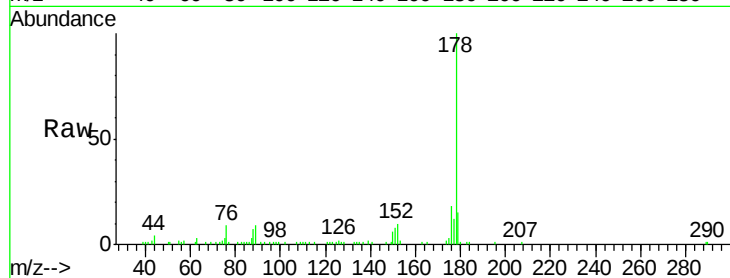
Tot Ion:178 Resp: 84503

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.4	18.6
176	18.4	15.1	22.7

178 100

179 14.9 12.4 18.6

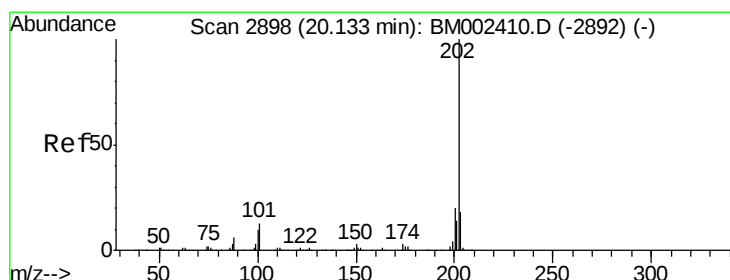
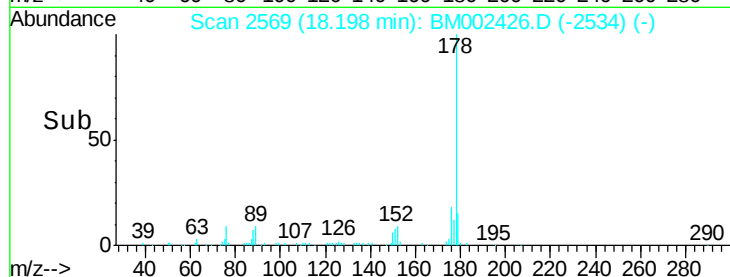
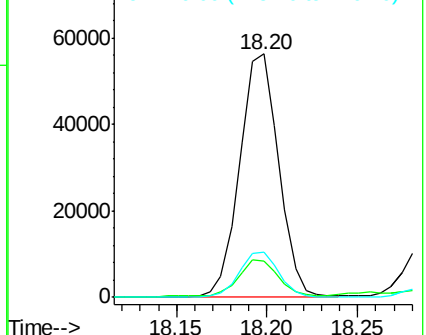
176 18.4 15.1 22.7



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: 3.48 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

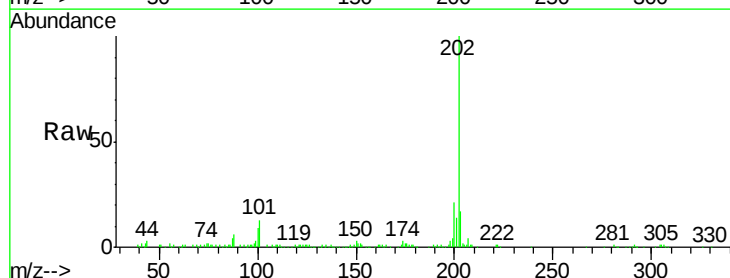
Tgt Ion:202 Resp: 151731

Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.7	14.5
100	9.3	7.4	11.2

202 100

101 12.8 9.7 14.5

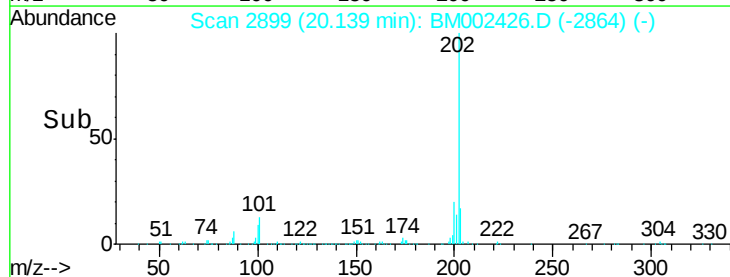
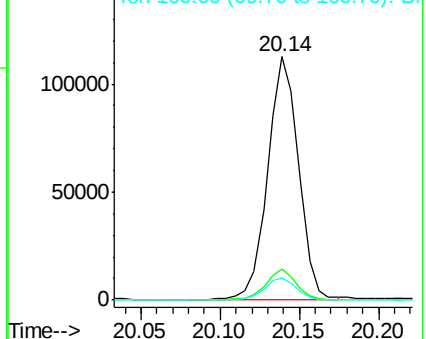
100 9.3 7.4 11.2

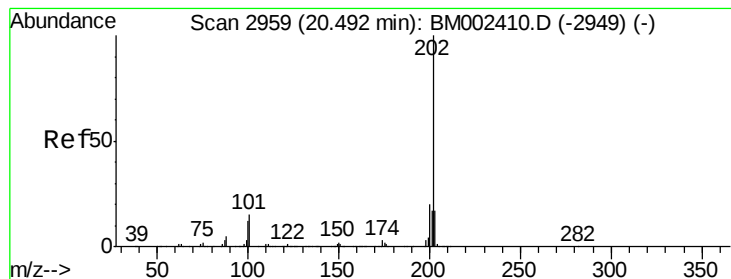


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 5.07 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

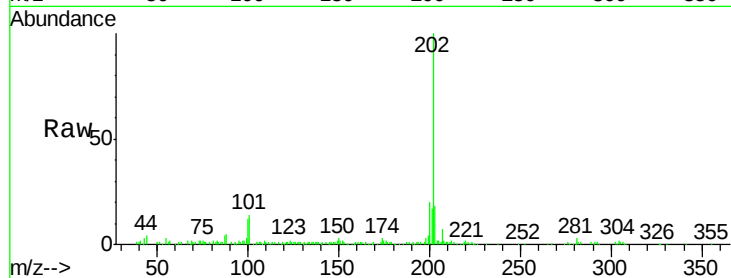
Tot Ion:202 Resp: 133602

Ion Ratio Lower Upper

202 100

101 14.0 12.0 18.0

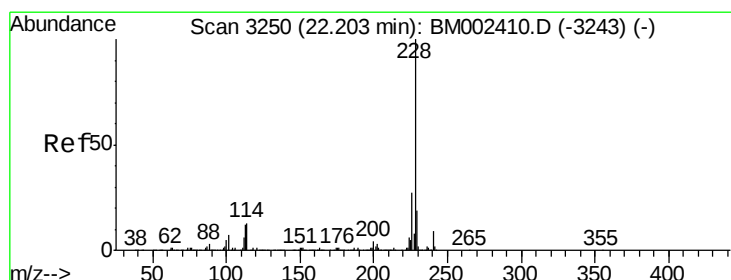
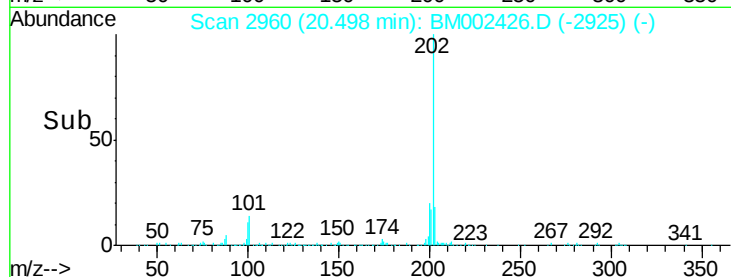
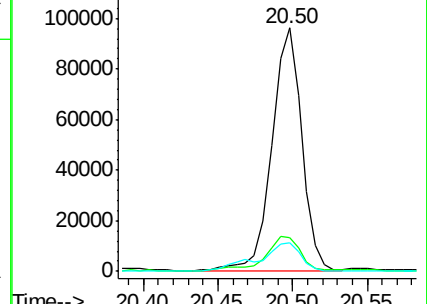
100 11.6 9.7 14.5



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): E



#20

Benzo(a)anthracene

Concen: 2.30 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

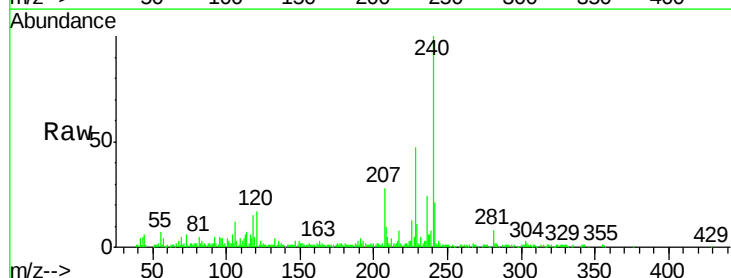
Tgt Ion:228 Resp: 61726

Ion Ratio Lower Upper

228 100

229 23.8 15.8 23.6#

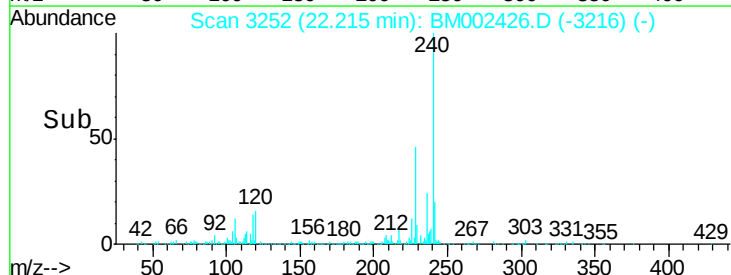
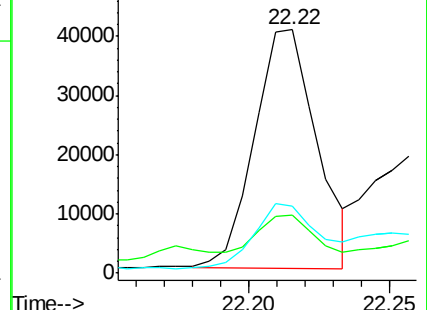
226 27.7 21.1 31.7

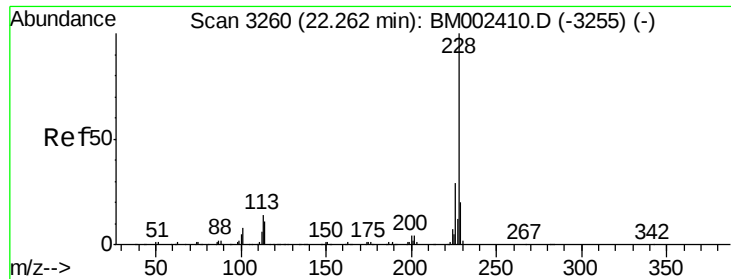


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 3.11 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

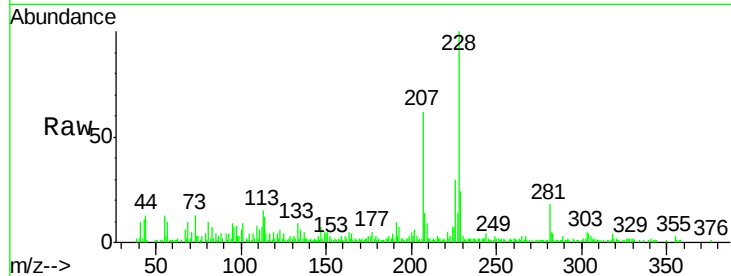
Tot Ion:228 Resp: 78099

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

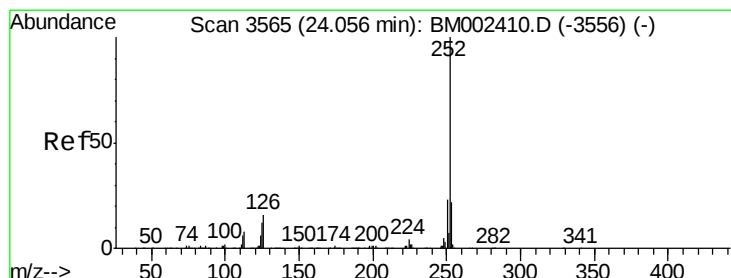
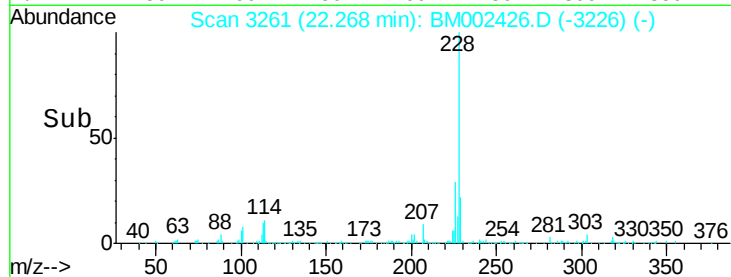
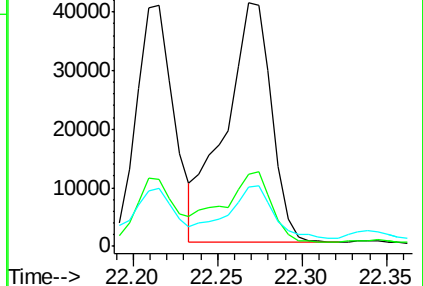
229 24.5 15.7 23.5#



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: 4.49 ng/ul

RT: 24.07 min Scan# 3567

Delta R.T. 0.01 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

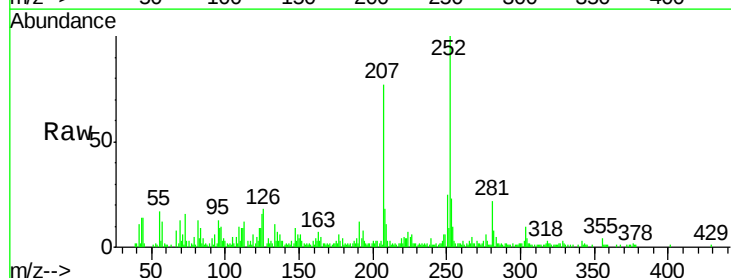
Tgt Ion:252 Resp: 106696

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

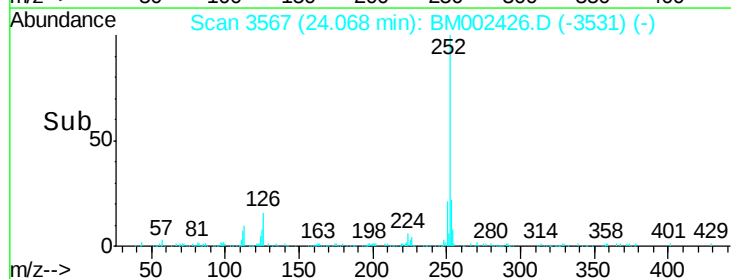
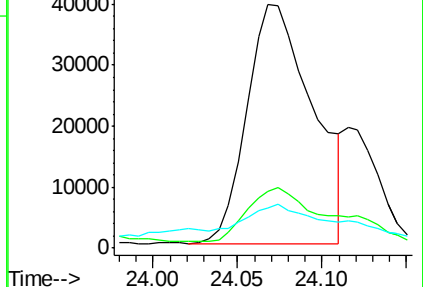
125 16.2 10.0 15.0#

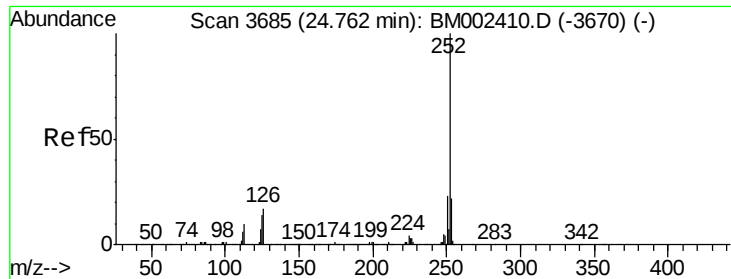


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 2.78 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

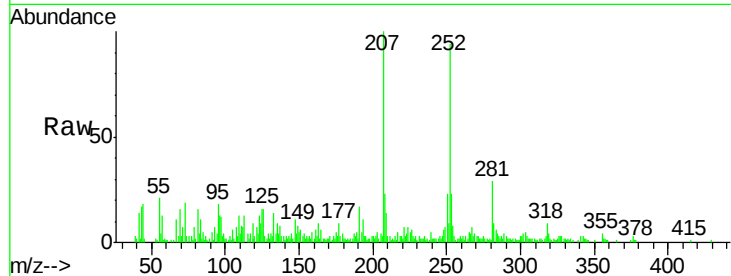
Tot Ion:252 Resp: 62998

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

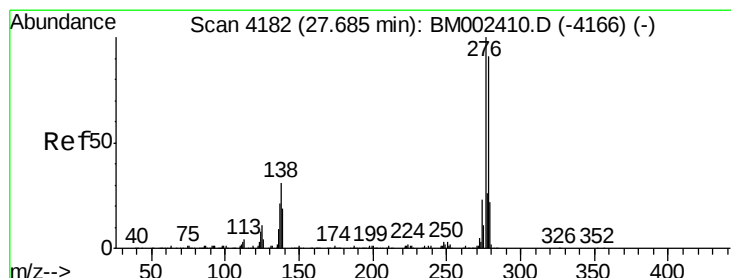
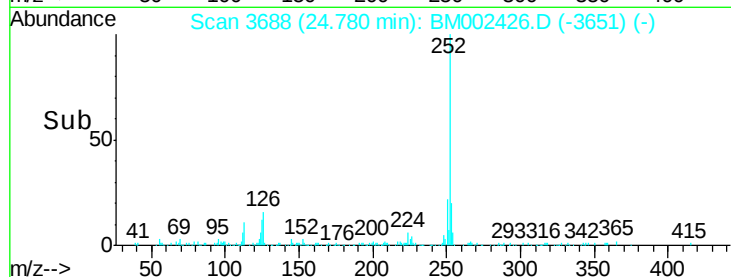
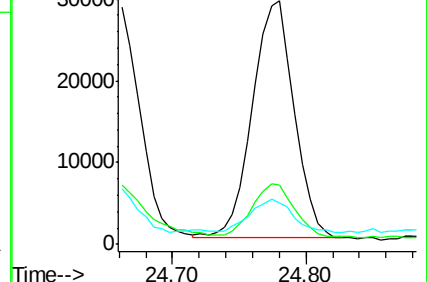
125 17.2 10.7 16.1#



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: 1.99 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. 0.02 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

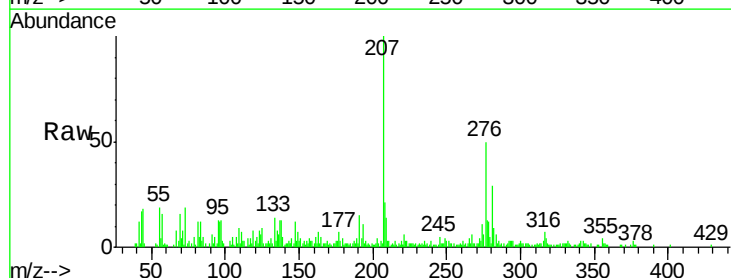
Tgt Ion:276 Resp: 51919

Ion Ratio Lower Upper

276 100

138 26.1 25.3 37.9

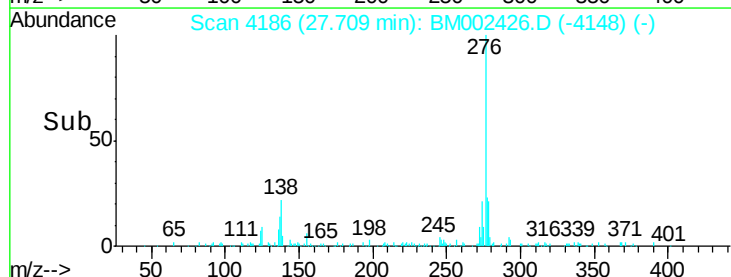
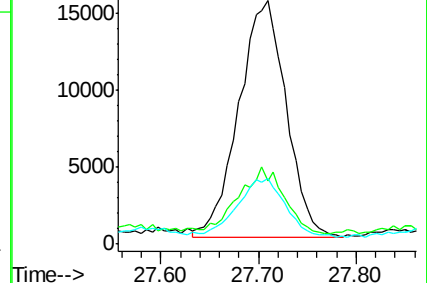
277 27.0 20.2 30.2

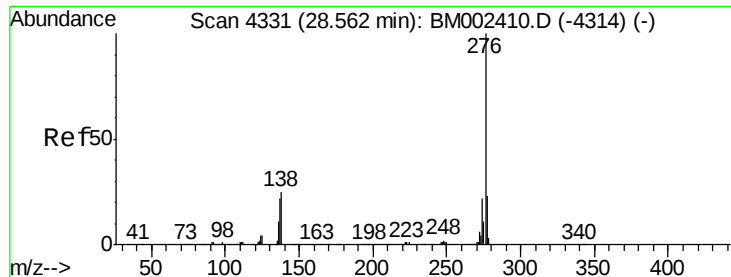


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 2.71 ng/ul

RT: 28.59 min Scan# 4335

Delta R.T. 0.02 min

Lab File: BM002426.D

Acq: 15 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

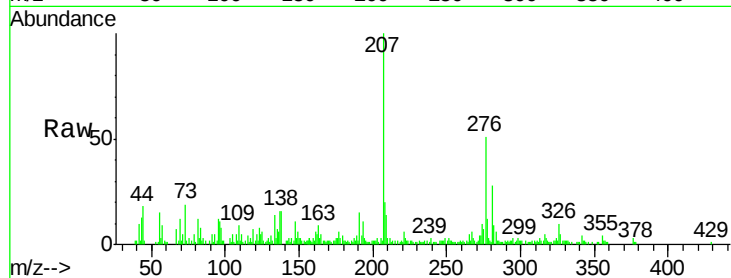
Tot Ion: 276 Resp: 58980

Ion Ratio Lower Upper

276 100

138 32.6 21.0 31.6#

277 24.2 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

