

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002411.D
 Acq On : 15 Aug 2015 06:43
 Operator : UM/IZ
 Sample : G3219-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB1

Quant Time: Aug 17 02:55:27 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

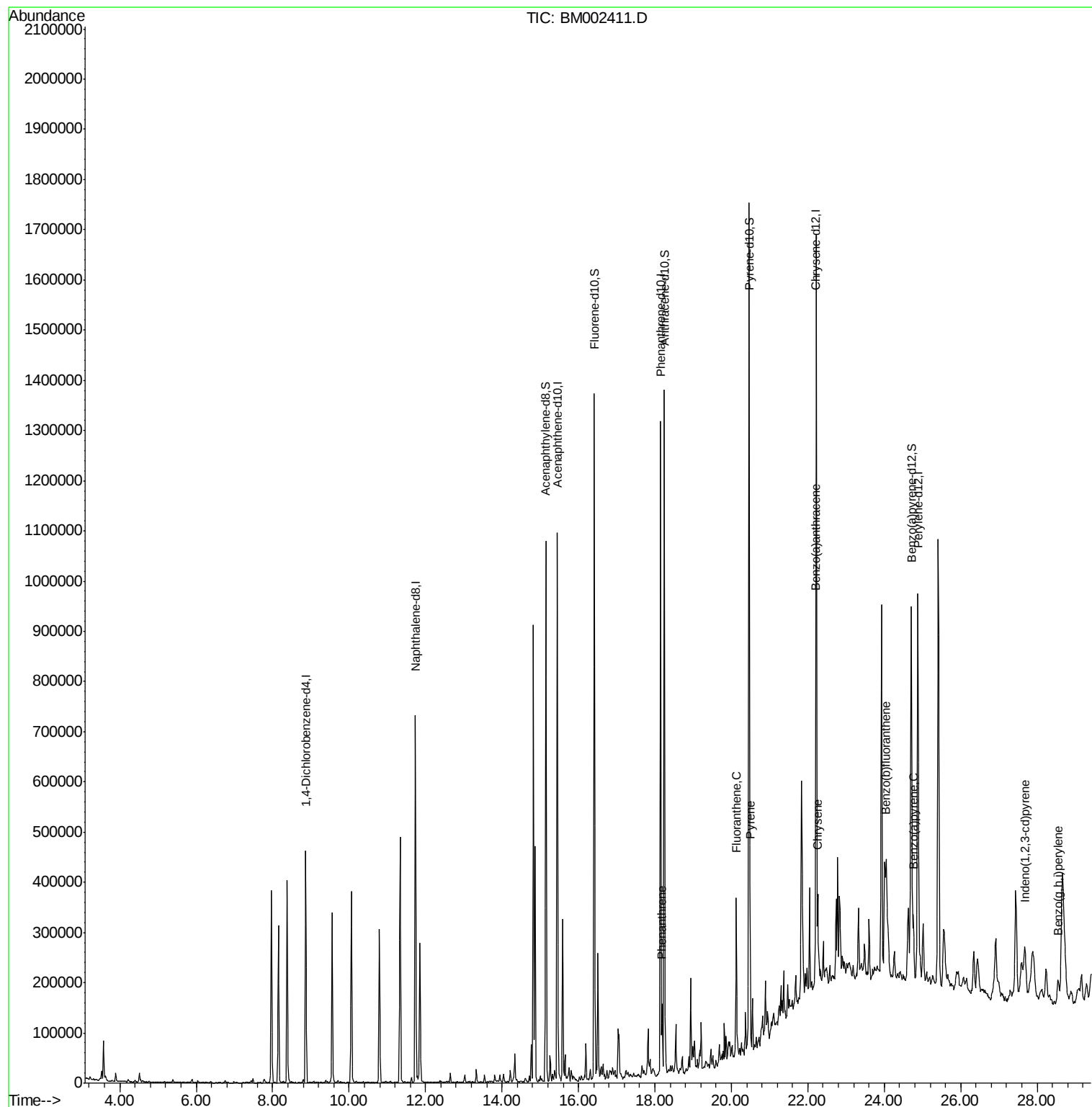
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	141182	20.00	ng/ul	0.00
2) Naphthalene-d8	11.73	136	678969	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	371954	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	789889	20.00	ng/ul	0.00
17) Chrysene-d12	22.22	240	778797	20.00	ng/ul	0.00
22) Perylene-d12	24.88	264	606979	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	804313	21.15	ng/ul	0.00
10) Fluorene-d10	16.42	176	542371	20.31	ng/ul	0.00
14) Anthracene-d10	18.24	188	783868	20.57	ng/ul	0.00
18) Pyrene-d10	20.46	212	825135	23.90	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	644629	20.22	ng/ul	0.00
Target Compounds				Ovalue		
13) Phenanthrene	18.19	178	87366	1.92	ng/ul	99
16) Fluoranthene	20.13	202	188392	3.65	ng/ul	99
19) Pyrene	20.49	202	167047	3.66	ng/ul	99
20) Benzo(a)anthracene	22.20	228	95938	2.06	ng/ul	98
21) Chrysene	22.26	228	115319	2.65	ng/ul	97
23) Benzo(b)fluoranthene	24.06	252	161377	4.40	ng/ul#	96
26) Benzo(a)pyrene	24.76	252	82525	2.35	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.68	276	63243	1.57	ng/ul	95
29) Benzo(g,h,i)perylene	28.55	276	60851	1.81	ng/ul	96

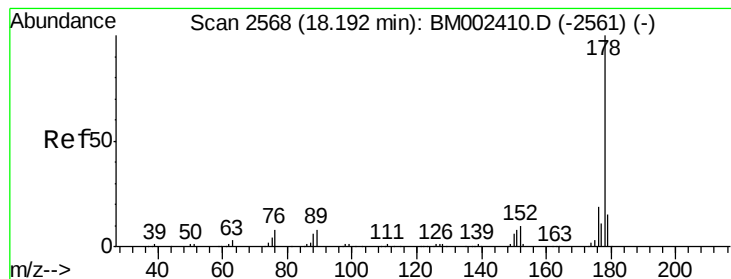
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Phenanthrene

Concen: 1.92 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA_M

ClientSampleId :

D9DB1

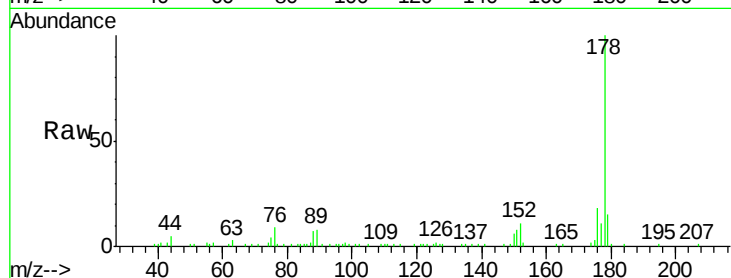
Tot Ion:178 Resp: 87366

Ion Ratio Lower Upper

178 100

179 14.6 12.4 18.6

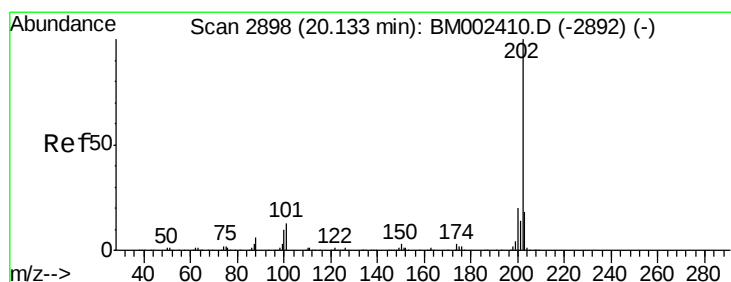
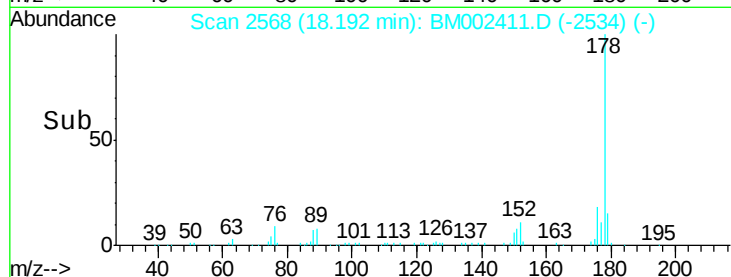
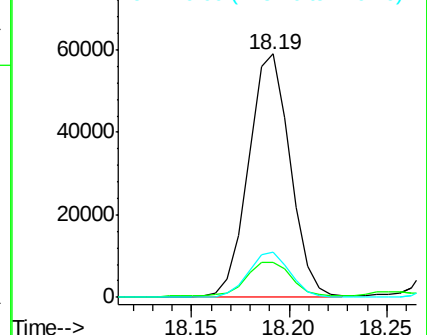
176 18.5 15.1 22.7



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: 3.65 ng/ul

RT: 20.13 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

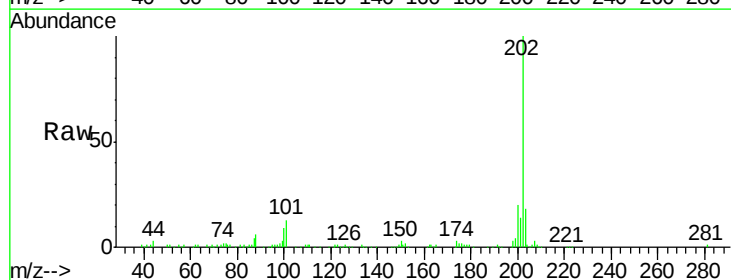
Tgt Ion:202 Resp: 188392

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

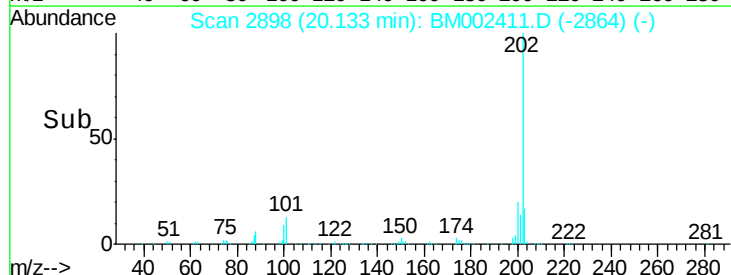
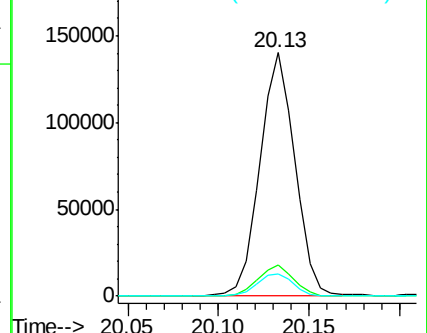
100 9.0 7.4 11.2

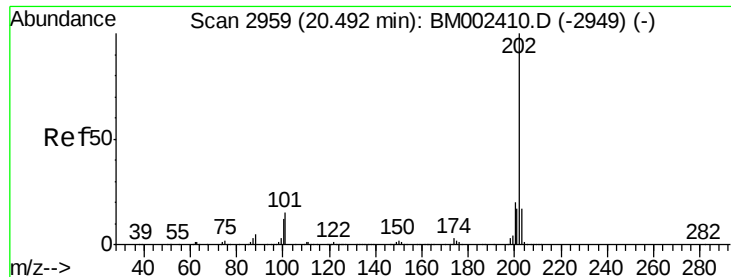


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 3.66 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA_M

ClientSampleId :

D9DB1

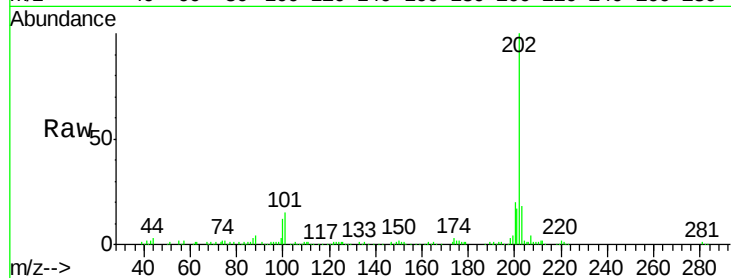
Tot Ion:202 Resp: 167047

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

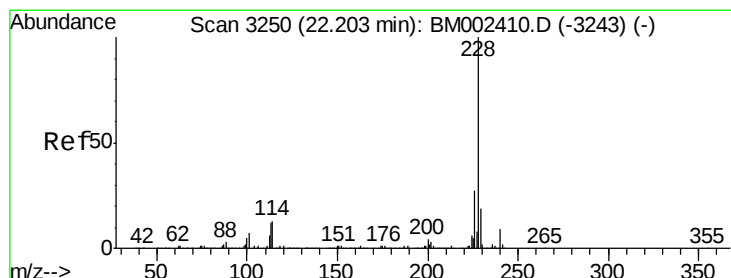
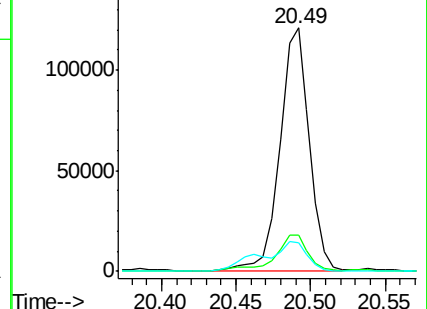
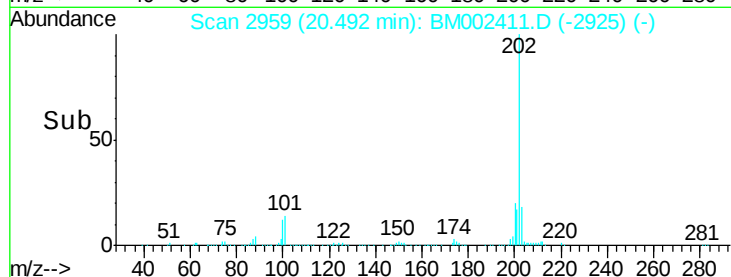
100 11.6 9.7 14.5



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: 2.06 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

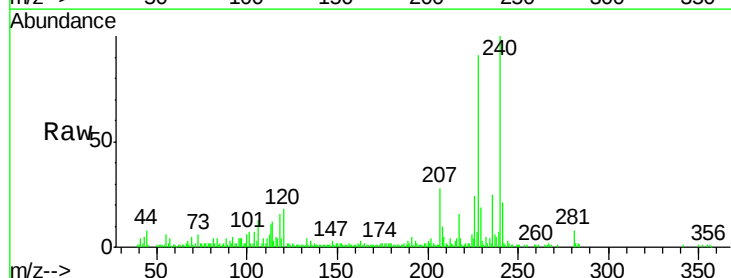
Tgt Ion:228 Resp: 95938

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

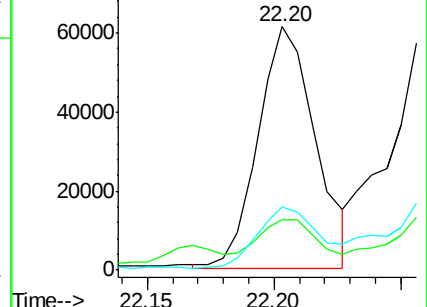
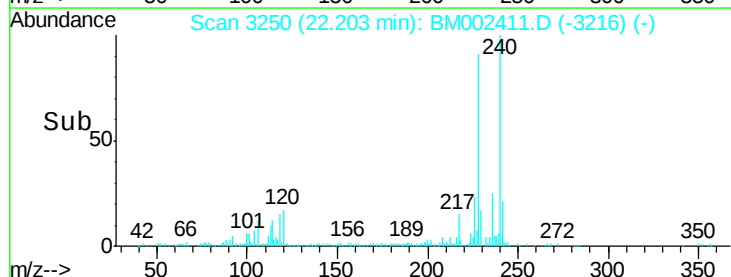
226 26.0 21.1 31.7

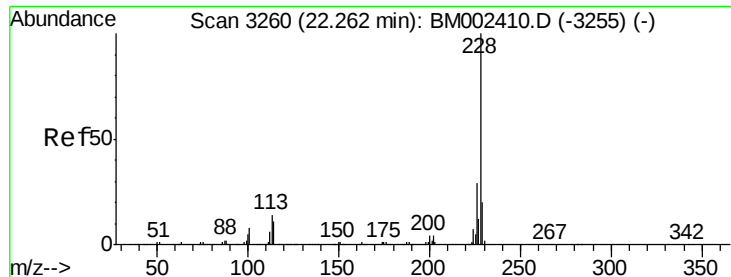


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 2.65 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA_M

ClientSampleID :

D9DB1

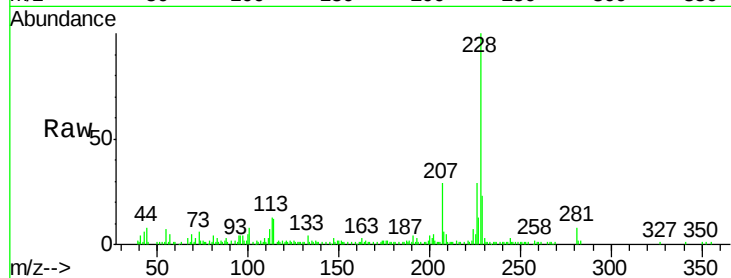
Tot Ion:228 Resp: 115319

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

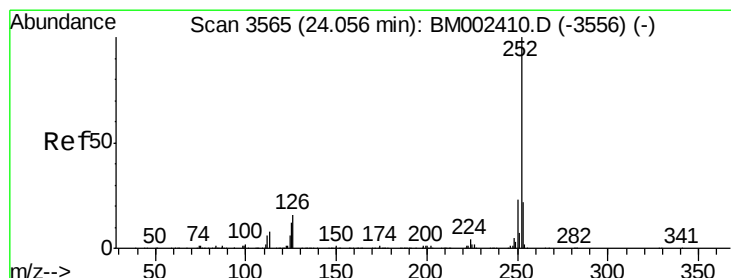
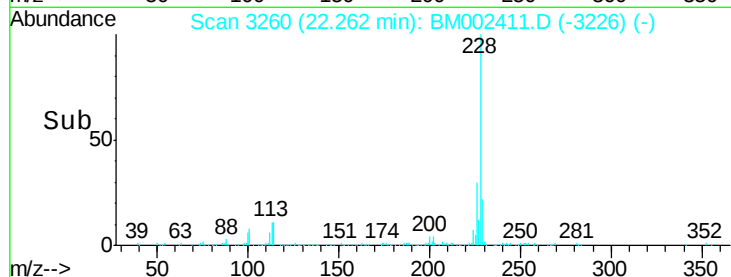
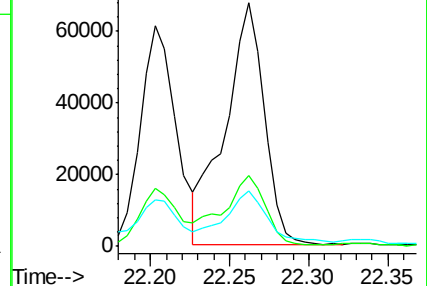
229 22.9 15.7 23.5



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: 4.40 ng/ul

RT: 24.06 min Scan# 3565

Delta R.T. 0.00 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

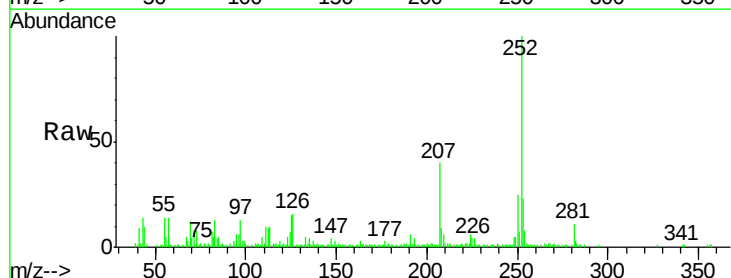
Tgt Ion:252 Resp: 161377

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

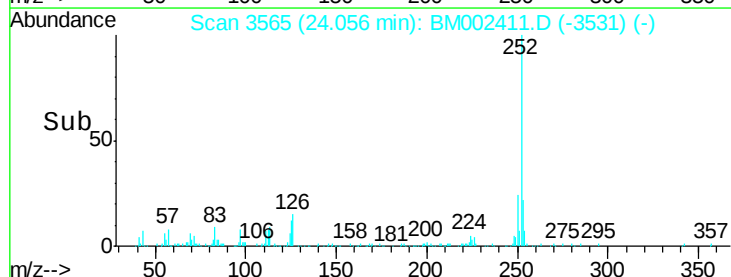
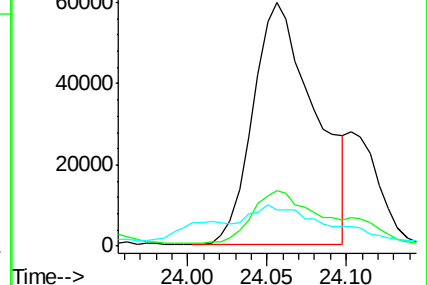
125 15.1 10.0 15.0#

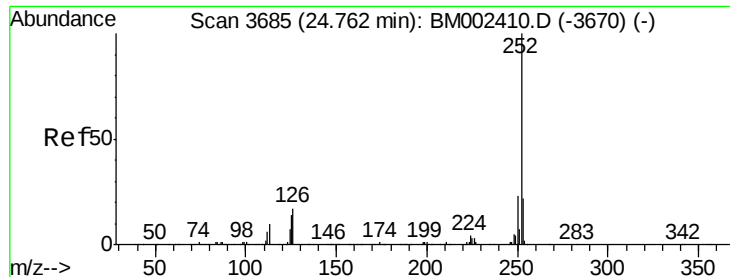


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

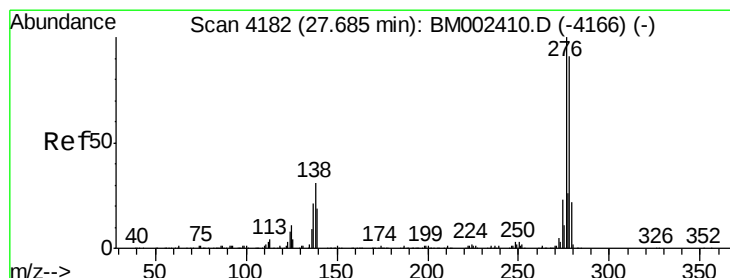
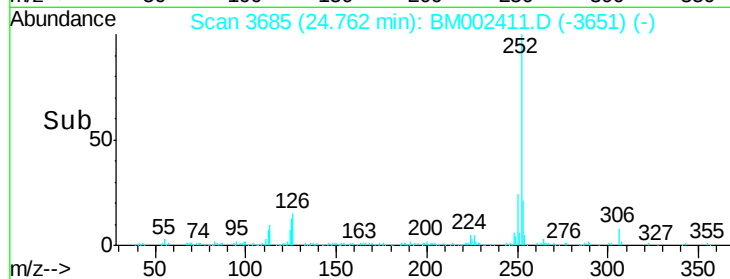
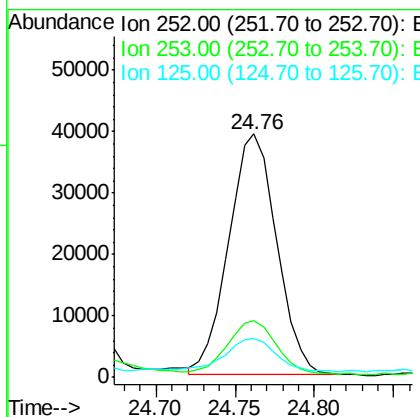
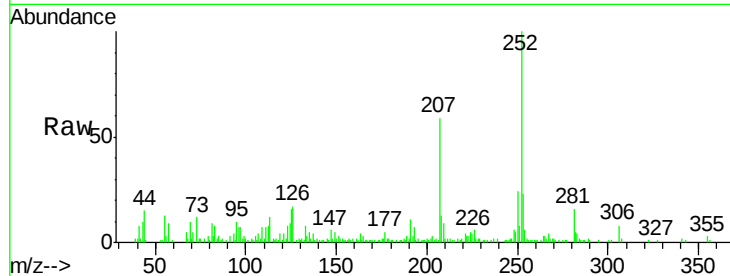




#26
Benzo(a)pyrene
Concen: 2.35 ng/ul
RT: 24.76 min Scan# 3685
Delta R.T. 0.00 min
Lab File: BM002411.D
Acq: 15 Aug 2015 06:43

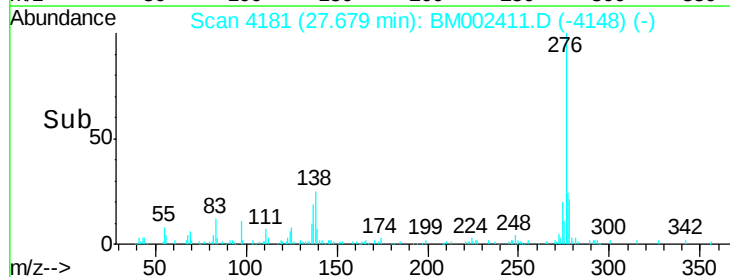
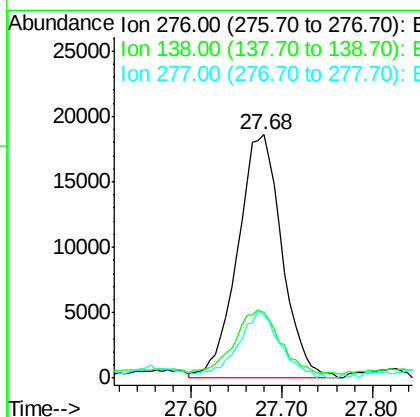
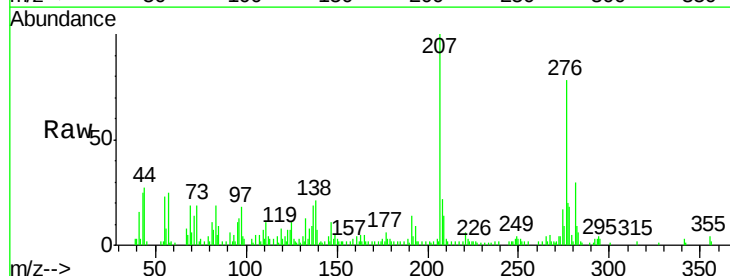
Instrument :
BNA_M
ClientSampleId :
D9DB1

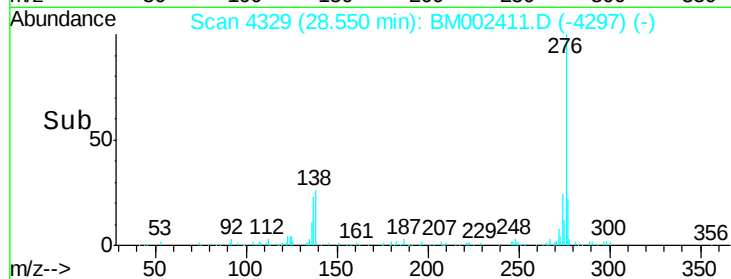
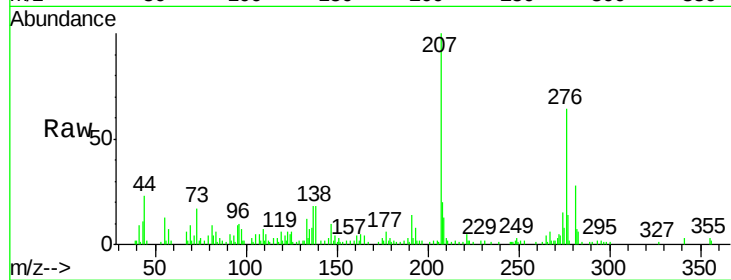
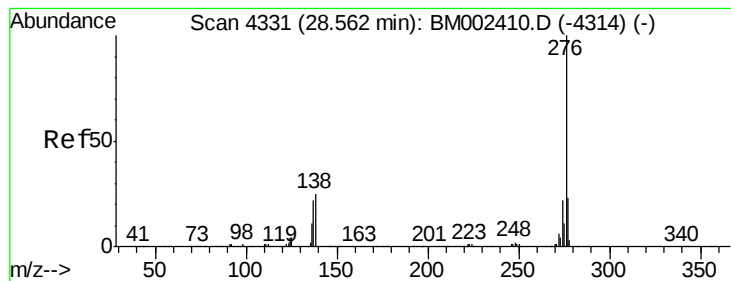
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	16.0	10.7	16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.57 ng/ul
RT: 27.68 min Scan# 4181
Delta R.T. -0.01 min
Lab File: BM002411.D
Acq: 15 Aug 2015 06:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	25.3	37.9
277	26.1	20.2	30.2





#29

Benzo(a,h,i)perylene

Concen: 1.81 ng/ul

RT: 28.55 min Scan# 4329

Delta R.T. -0.01 min

Lab File: BM002411.D

Acq: 15 Aug 2015 06:43

Instrument :

BNA_M

ClientSampleId :

D9DB1

Tot Ion: 276 Resp: 60851

Ion Ratio Lower Upper

276 100

138 27.9 21.0 31.6

277 21.5 19.2 28.8

