

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009609.D
 Acq On : 07 Apr 2017 00:23
 Operator : SJ/MA
 Sample : I2525-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB350

Quant Time: Apr 07 03:22:04 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

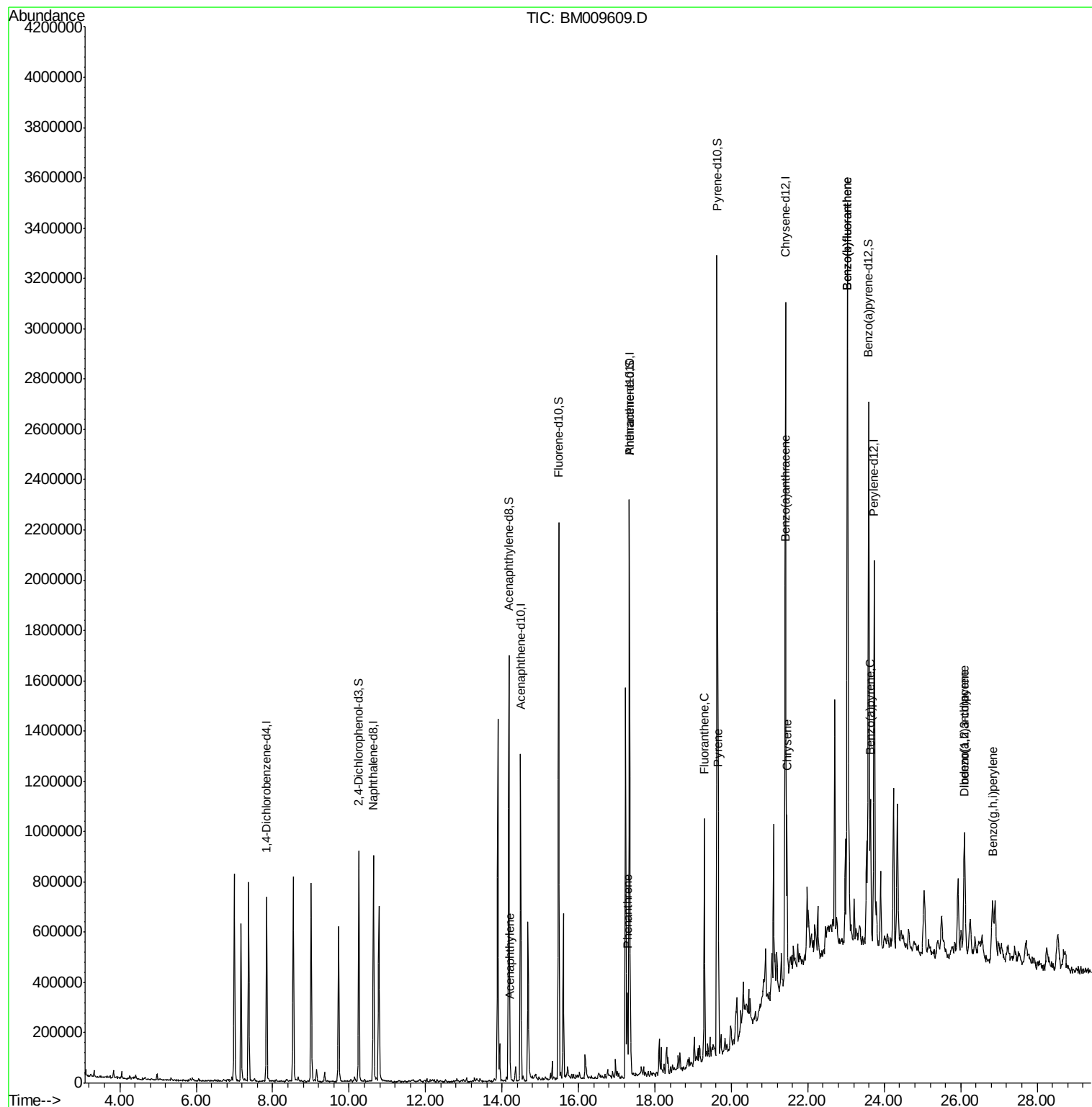
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	172269	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	659765	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	371977	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.33	188	1199840	20.00	ng/ul	0.10
18) Chrysene-d12	21.41	240	1146927	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1124006	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	281342	27.73	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1107539	30.38	ng/ul	0.00
10) Fluorene-d10	15.48	176	774586	29.54	ng/ul	0.00
15) Anthracene-d10	17.33	188	1198305	20.87	ng/ul	0.00
19) Pyrene-d10	19.63	212	1487192	31.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1499715	30.22	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.21	152	66124	1.81	ng/ul	98
14) Phenanthrene	17.28	178	186137	2.76	ng/ul	96
17) Fluoranthene	19.29	202	504878	6.01	ng/ul	95
20) Pyrene	19.66	202	525558	8.42	ng/ul	97
21) Benzo(a)anthracene	21.40	228	342705	5.29	ng/ul	99
22) Chrysene	21.45	228	356344	6.00	ng/ul	97
24) Benzo(b)fluoranthene	23.03	252	586787	8.44	ng/ul#	91
25) Benzo(k)fluoranthene	23.03	252	586787	8.86	ng/ul#	90
27) Benzo(a)pyrene	23.64	252	372046	5.63	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.10	276	304992	4.12	ng/ul	93
29) Dibenzo(a,h)anthracene	26.11	278	80147	1.27	ng/ul	96
30) Benzo(a,h,i)perylene	26.83	276	293433	4.80	ng/ul#	93

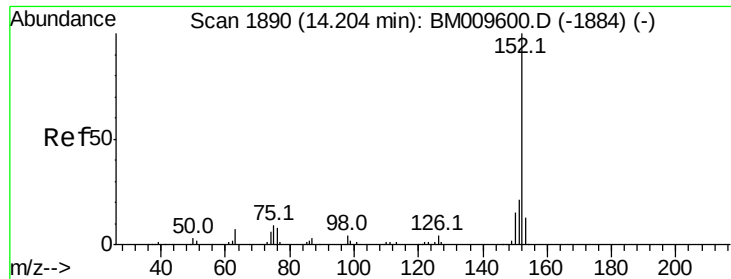
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.81 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

Instrument :

BNA_M

ClientSampleId :

CB350

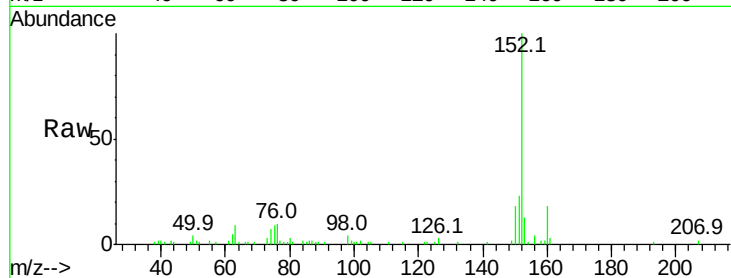
Tot Ion:152 Resp: 66124

Ion Ratio Lower Upper

152 100

151 23.1 17.5 26.3

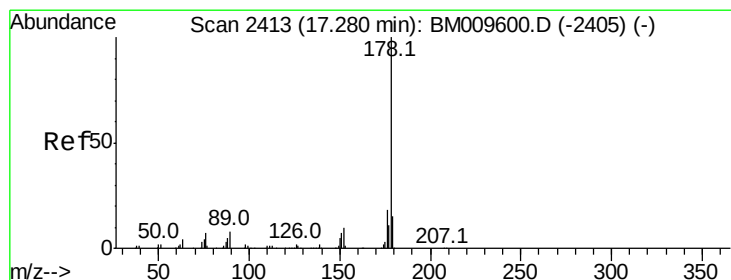
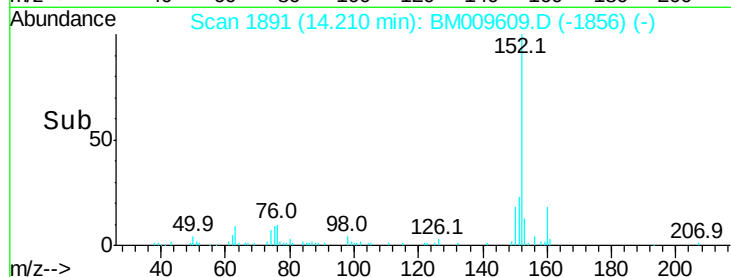
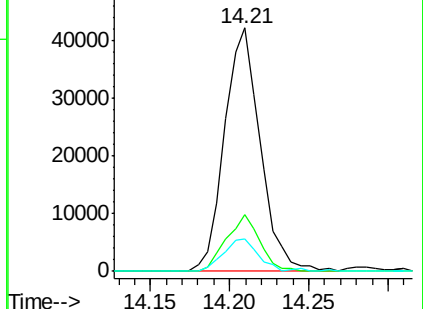
153 13.4 10.6 16.0



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



#14

Phenanthrene

Concen: 2.76 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

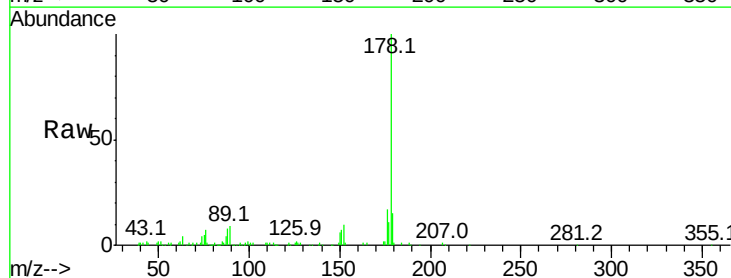
Tgt Ion:178 Resp: 186137

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

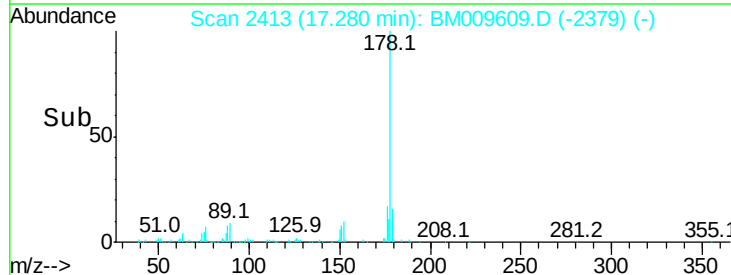
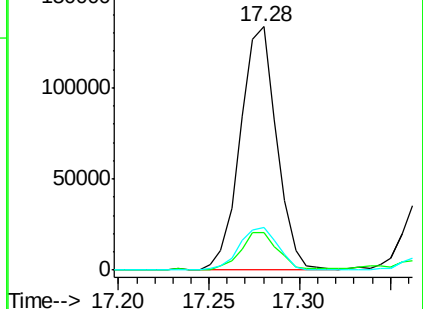
176 17.4 16.4 24.6

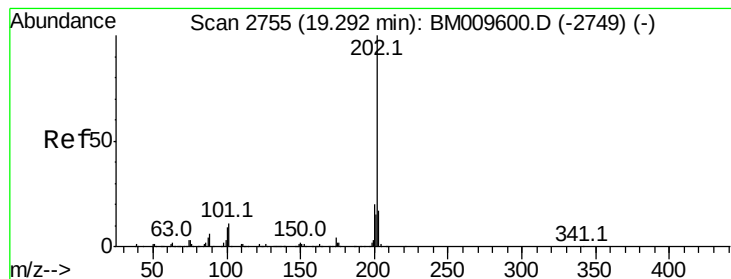


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 6.01 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

Instrument :

BNA_M

ClientSampleId :

CB350

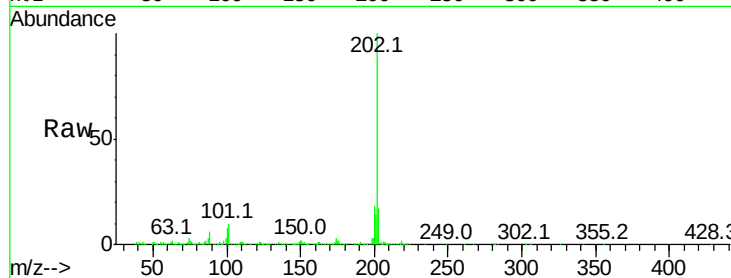
Tot Ion:202 Resp: 504878

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

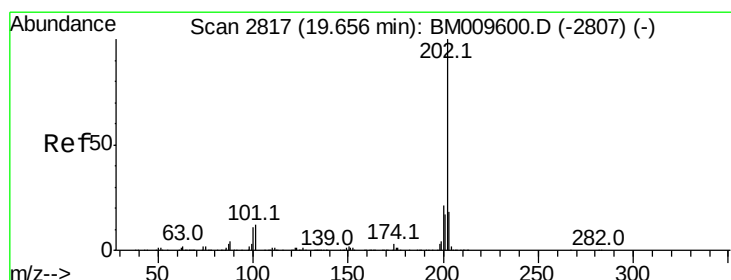
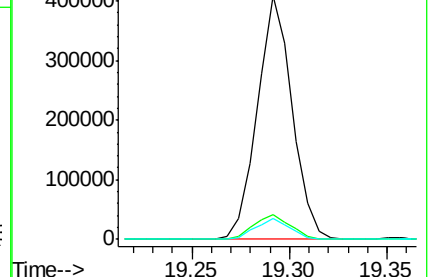
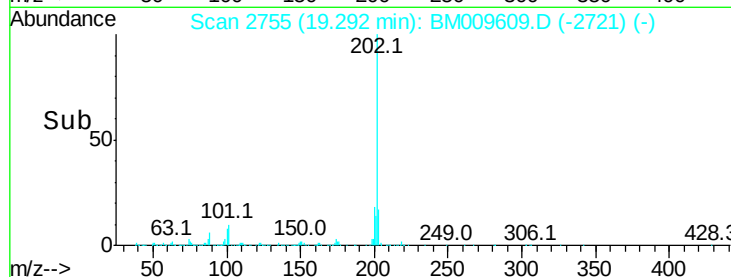
100 8.4 7.5 11.3



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

Pyrene

Concen: 8.42 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

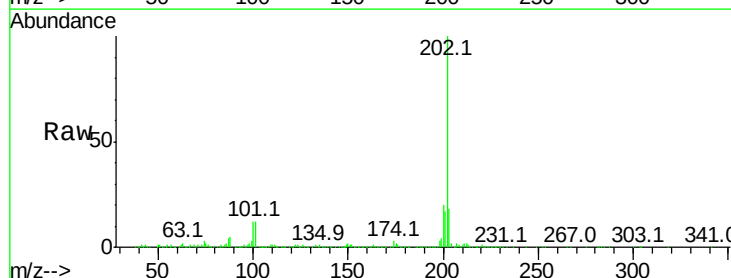
Tgt Ion:202 Resp: 525558

Ion Ratio Lower Upper

202 100

101 12.0 11.2 16.8

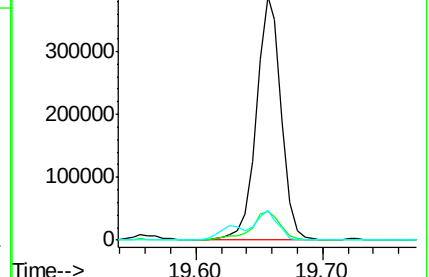
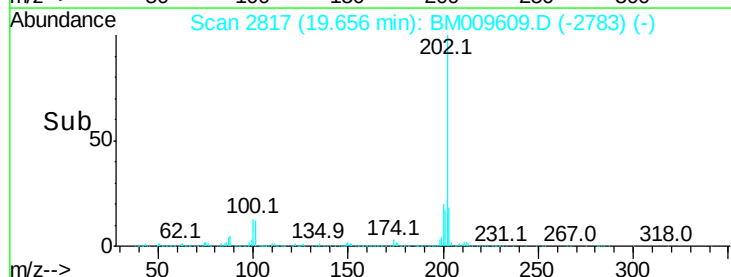
100 12.4 9.8 14.6

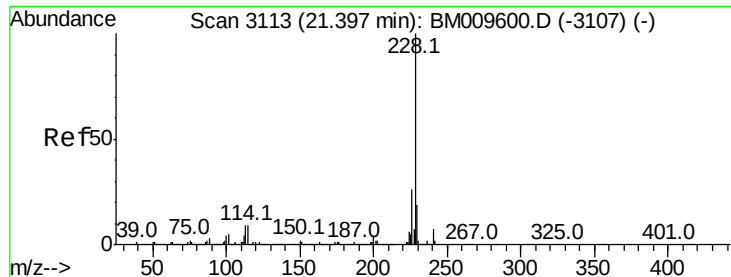


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 5.29 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

Instrument :

BNA_M

ClientSampleId :

CB350

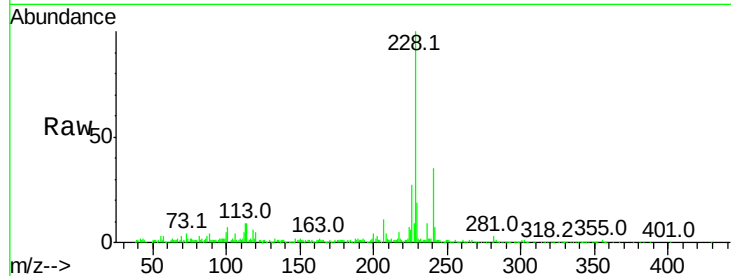
Tot Ion:228 Resp: 342705

Ion Ratio Lower Upper

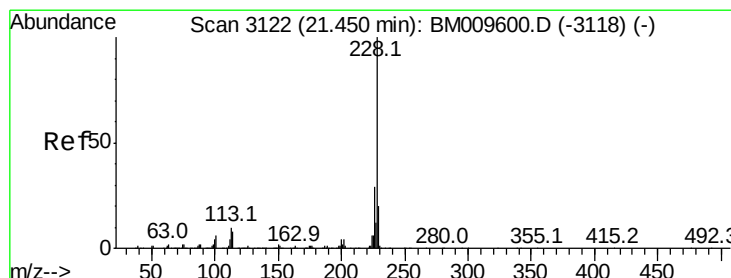
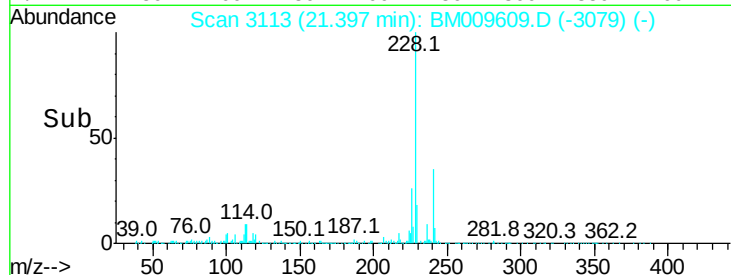
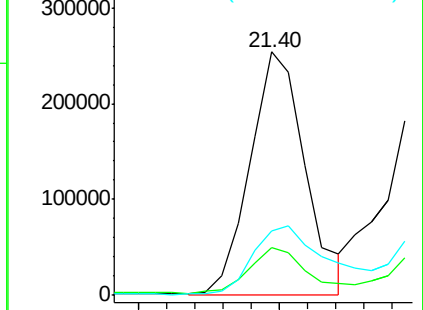
228 100

229 19.5 15.9 23.9

226 26.6 22.1 33.1



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



#22

Chrysene

Concen: 6.00 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

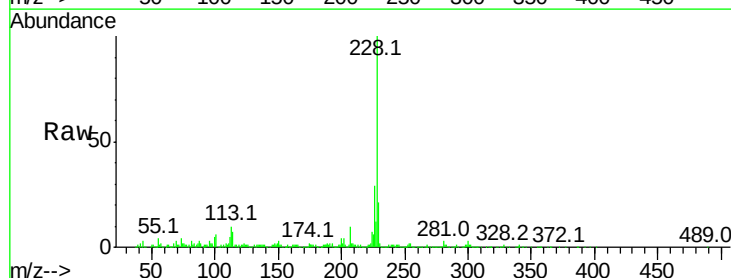
Tgt Ion:228 Resp: 356344

Ion Ratio Lower Upper

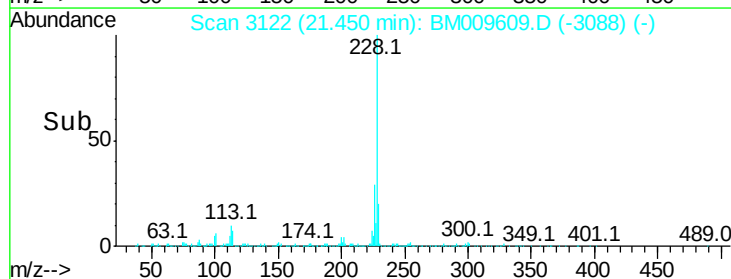
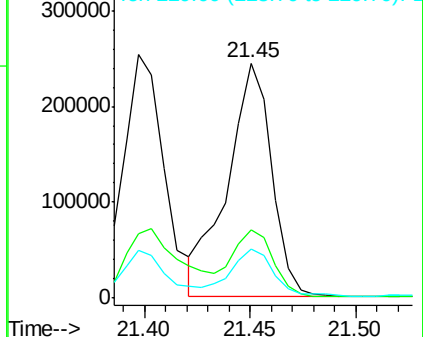
228 100

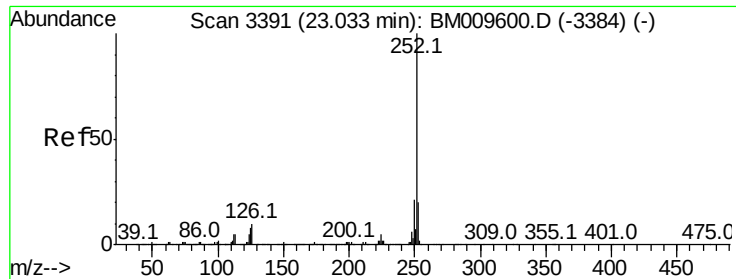
226 29.0 25.0 37.6

229 20.7 16.6 25.0



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

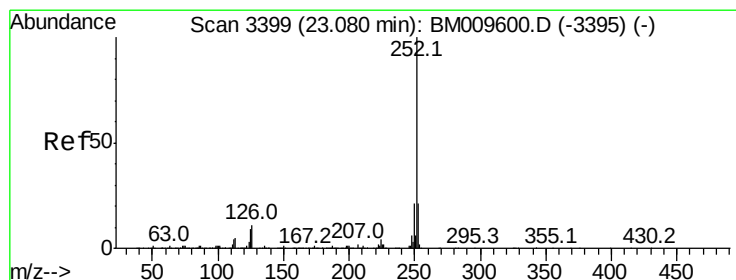
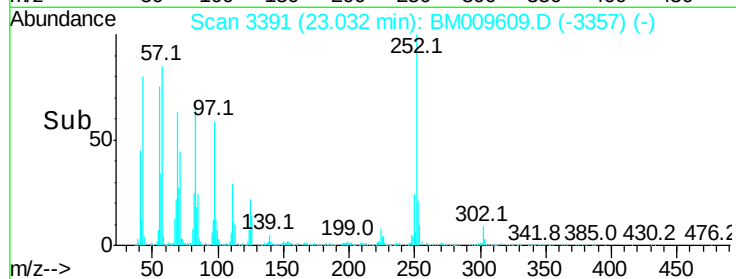
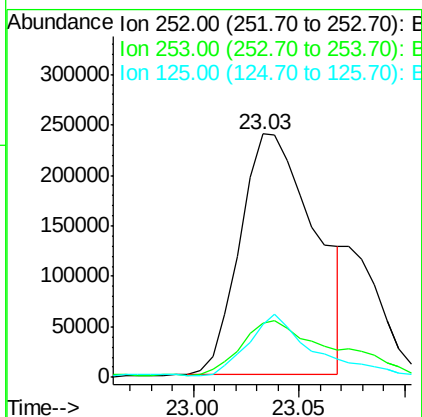
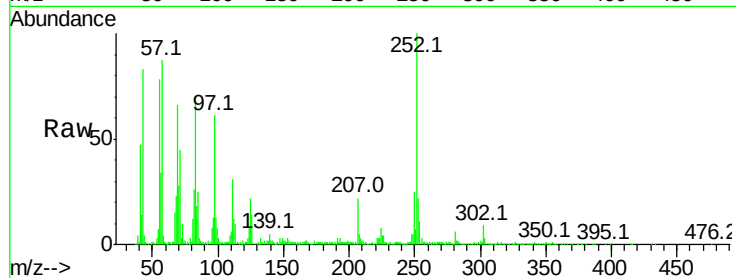




#24
Benzo(b)fluoranthene
Concen: 8.44 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.00 min
Lab File: BM009609.D
Acq: 07 Apr 2017 00:23

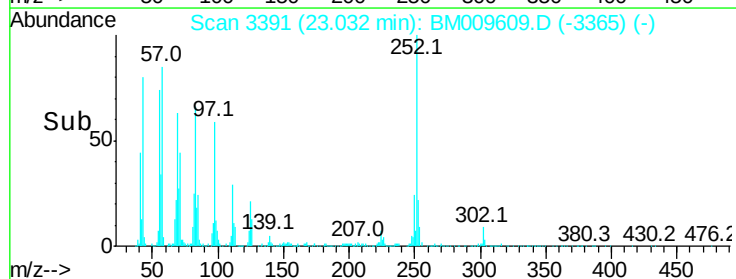
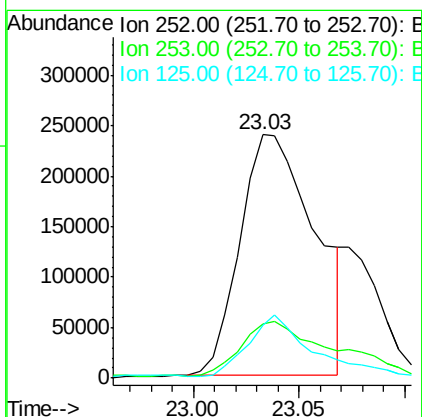
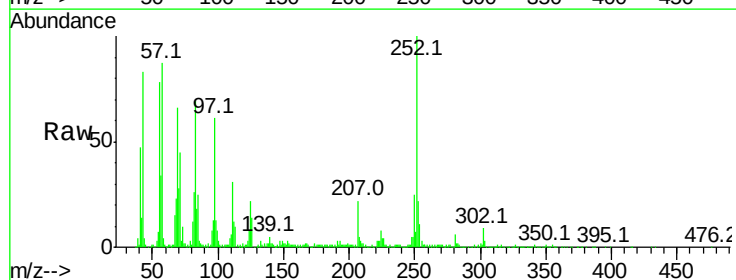
Instrument :
BNA_M
ClientSampleId :
CB350

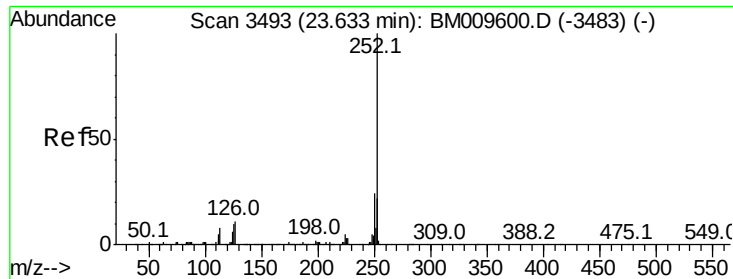
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	22.0	9.4	14.0



#25
Benzo(k)fluoranthene
Concen: 8.86 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.05 min
Lab File: BM009609.D
Acq: 07 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	22.0	8.8	13.2





#27

Benzo(a)pyrene

Concen: 5.63 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

Instrument :

BNA_M

ClientSampleId :

CB350

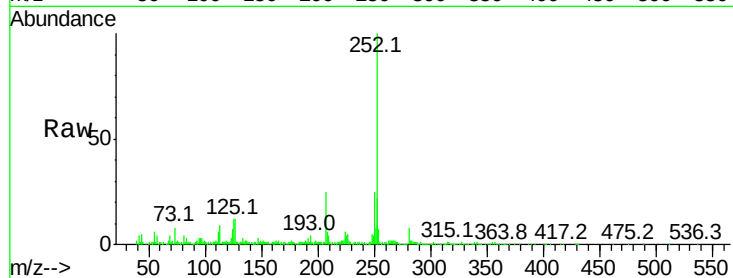
Tot Ion:252 Resp: 372046

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

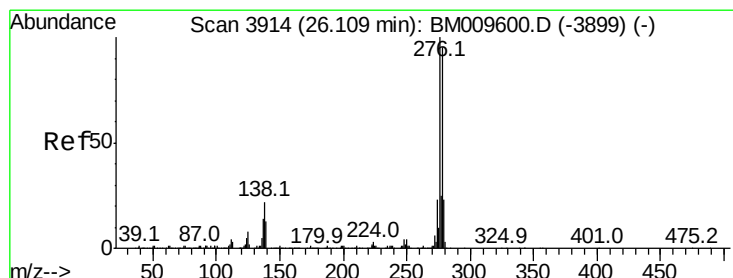
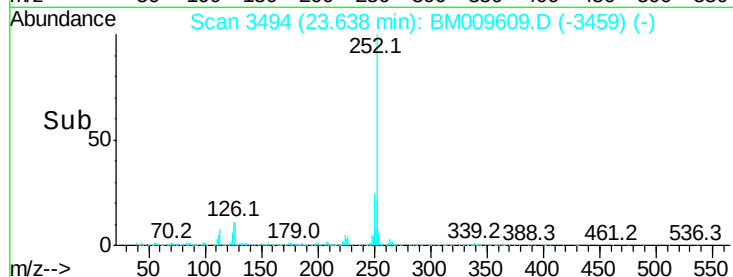
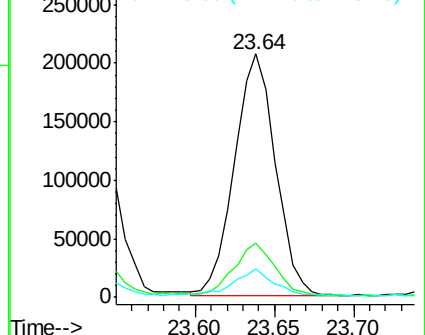
125 11.9 9.4 14.2



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.12 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

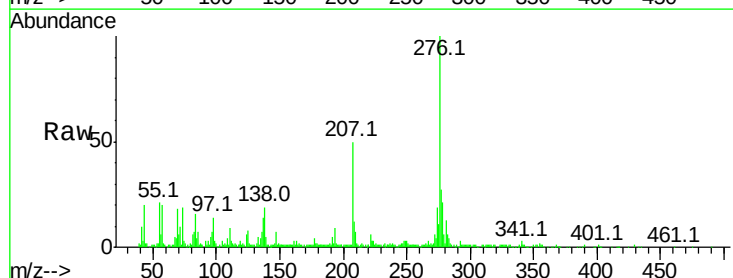
Tgt Ion:276 Resp: 304992

Ion Ratio Lower Upper

276 100

138 18.9 17.8 26.6

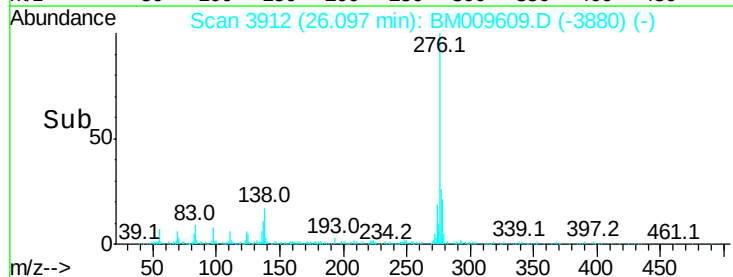
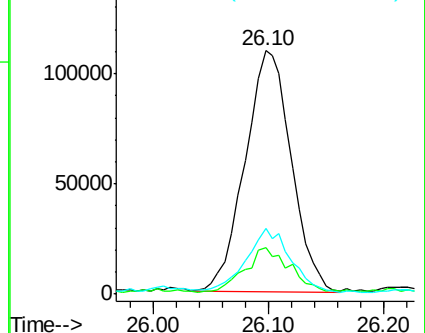
277 27.2 19.4 29.0

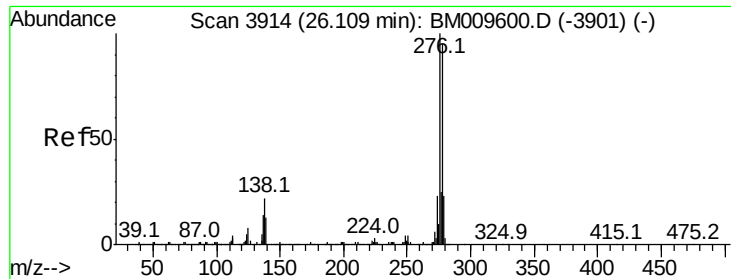


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.27 ng/ul

RT: 26.11 min Scan# 3914

Delta R.T. -0.00 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

Instrument :

BNA_M

ClientSampleId :

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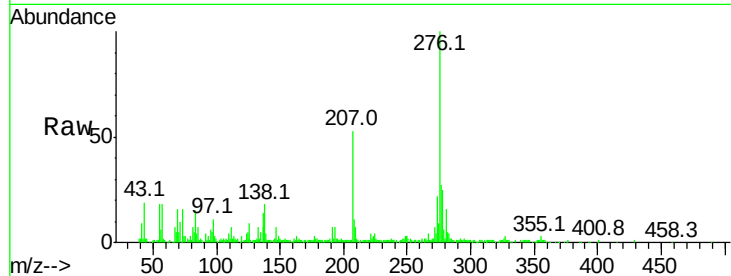
Tot Ion:278 Resp: 80147

Ion Ratio Lower Upper

278 100

139 18.1 14.0 21.0

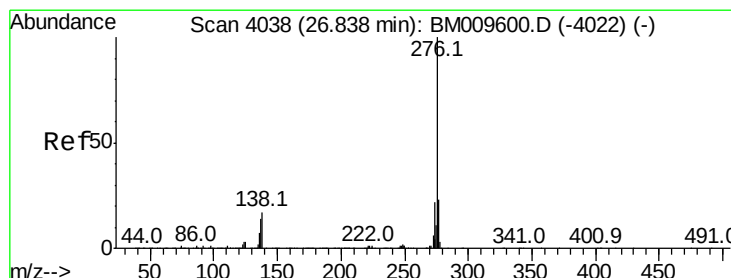
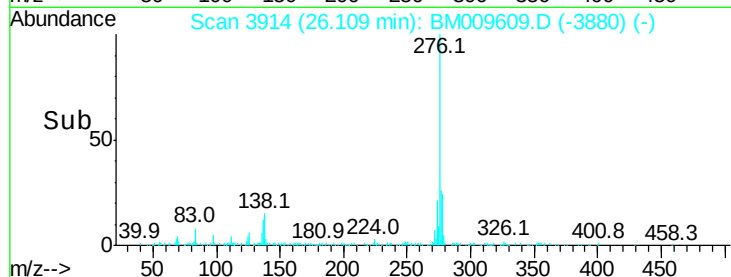
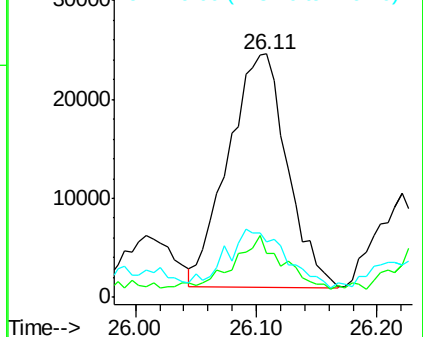
279 22.7 20.6 31.0



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



#30

Benzo(g,h,i)perylene

Concen: 4.80 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM009609.D

Acq: 07 Apr 2017 00:23

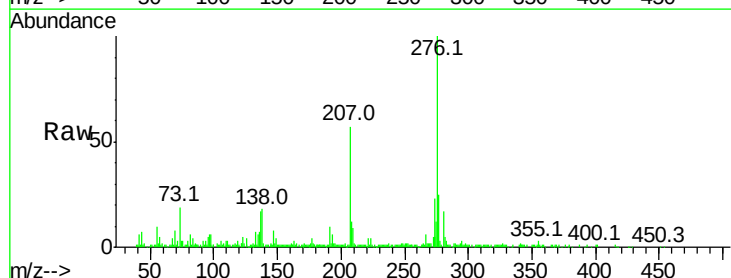
Tgt Ion:276 Resp: 293433

Ion Ratio Lower Upper

276 100

138 17.7 19.0 28.4#

277 25.2 19.7 29.5



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

