

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009610.D
 Acq On : 07 Apr 2017 00:59
 Operator : SJ/MA
 Sample : I2525-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB351

Quant Time: Apr 07 03:22:23 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

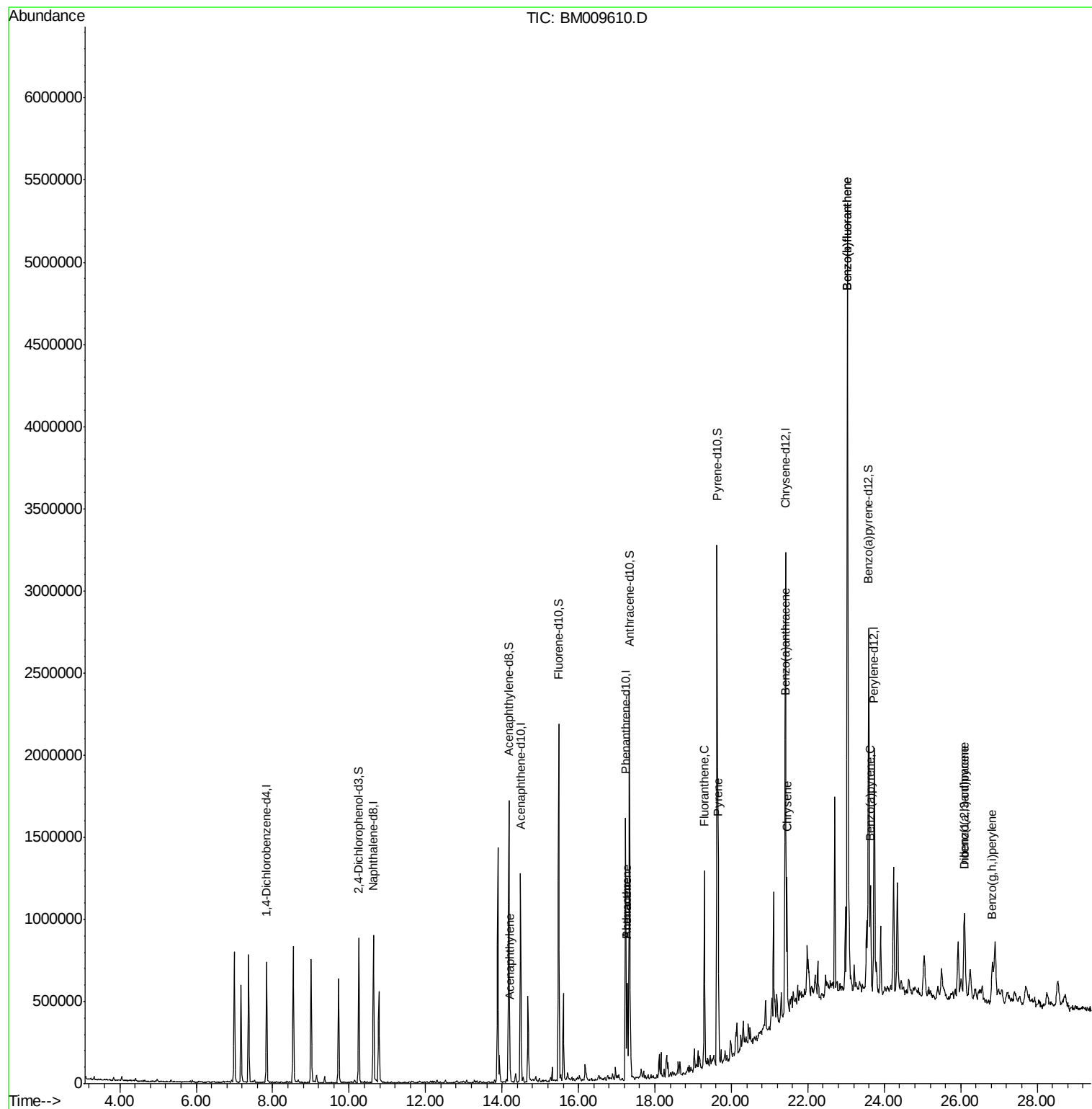
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	167311	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	660183	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	379530	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	887053	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1174320	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1108974	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	281390	27.72	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1106130	29.74	ng/ul	0.00
10) Fluorene-d10	15.48	176	776075	29.01	ng/ul	0.00
15) Anthracene-d10	17.33	188	1224194	28.85	ng/ul	0.00
19) Pyrene-d10	19.63	212	1503754	31.16	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1511127	30.86	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.20	152	62266	1.67	ng/ul	98
14) Phenanthrene	17.28	178	323901	6.49	ng/ul	97
16) Anthracene	17.28	178	323901	6.28	ng/ul	98
17) Fluoranthene	19.29	202	647370	10.42	ng/ul	98
20) Pyrene	19.66	202	667800	10.44	ng/ul	95
21) Benzo(a)anthracene	21.40	228	407337	6.14	ng/ul	99
22) Chrysene	21.45	228	435905	7.16	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	642133	9.36	ng/ul#	83
25) Benzo(k)fluoranthene	23.04	252	642133	9.83	ng/ul#	82
27) Benzo(a)pyrene	23.64	252	416321	6.38	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.10	276	323825	4.43	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.10	278	85931	1.38	ng/ul#	92
30) Benzo(a,h,i)perylene	26.83	276	314454	5.22	ng/ul#	89

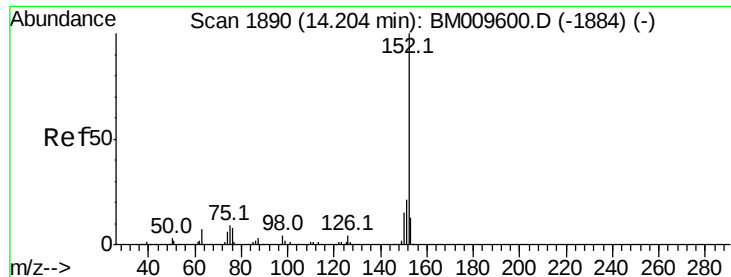
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.67 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

BNA_M

ClientSampleId :

CB351

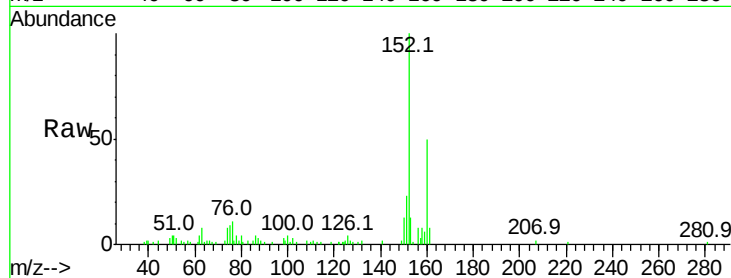
Tot Ion:152 Resp: 62266

Ion	Ratio	Lower	Upper
152	100		
151	23.1	17.5	26.3
153	13.3	10.6	16.0

152 100

151 23.1 17.5 26.3

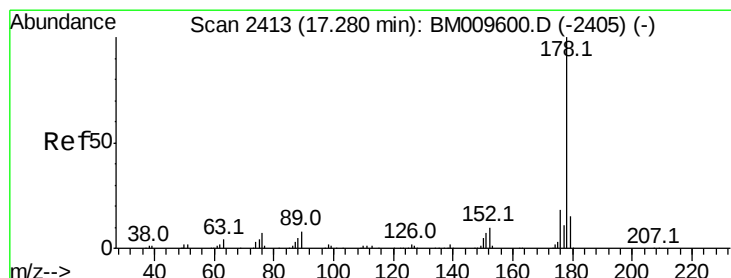
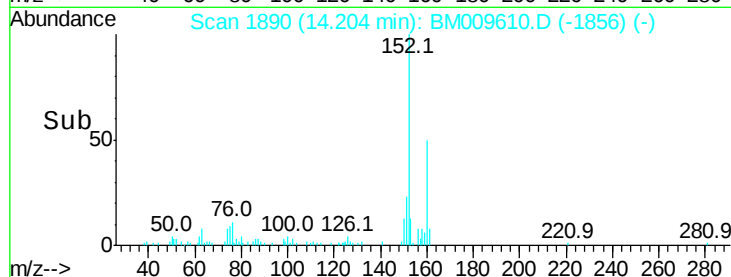
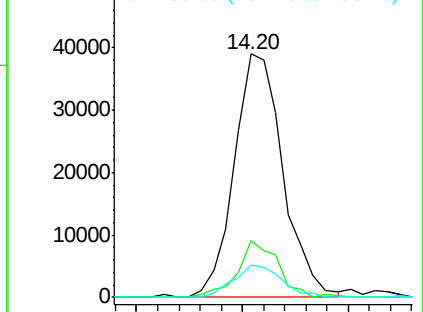
153 13.3 10.6 16.0



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: 6.49 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

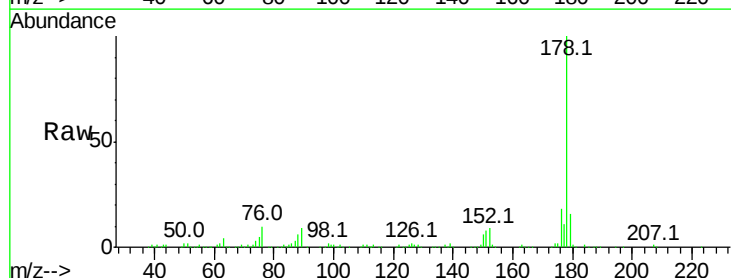
Tgt Ion:178 Resp: 323901

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.3	16.4	24.6

178 100

179 15.9 12.2 18.4

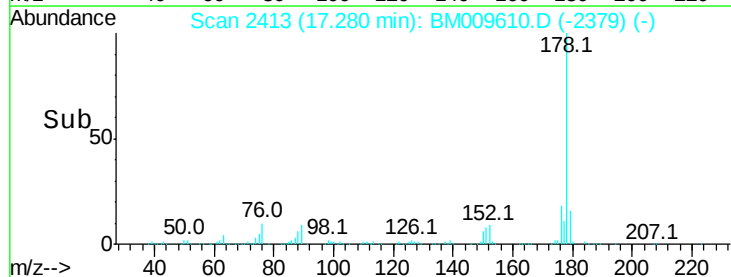
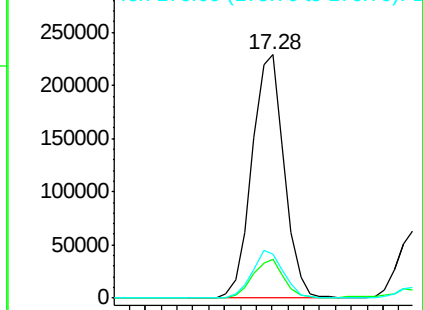
176 18.3 16.4 24.6

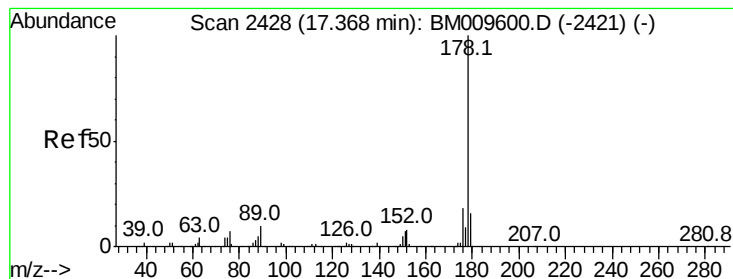


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 6.28 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.09 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

BNA_M

ClientSampleId :

CB351

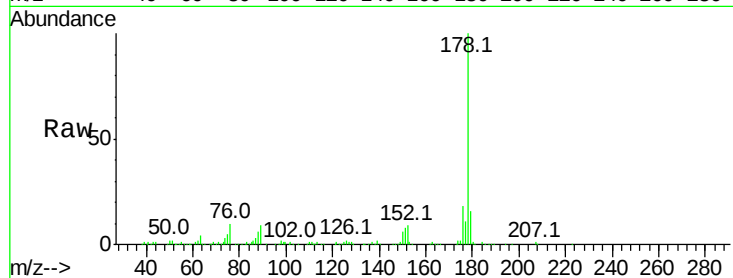
Tot Ion:178 Resp: 323901

Ion Ratio Lower Upper

178 100

179 15.9 12.7 19.1

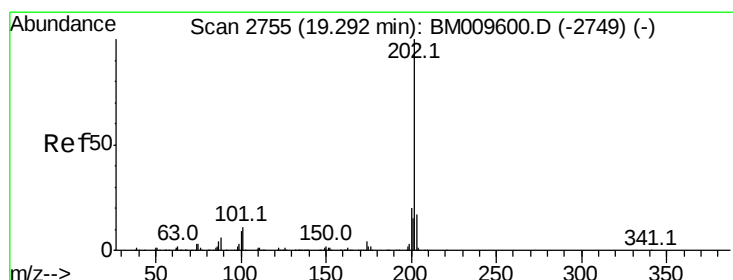
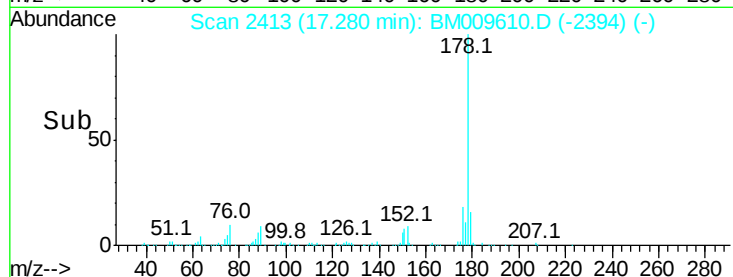
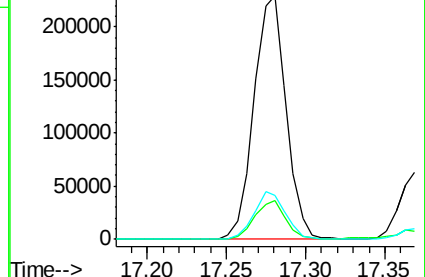
176 18.3 15.8 23.8



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: 10.42 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

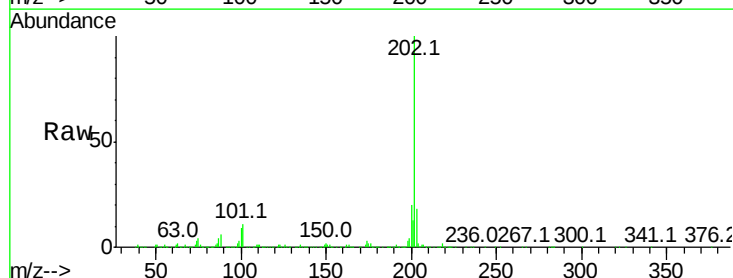
Tgt Ion:202 Resp: 647370

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

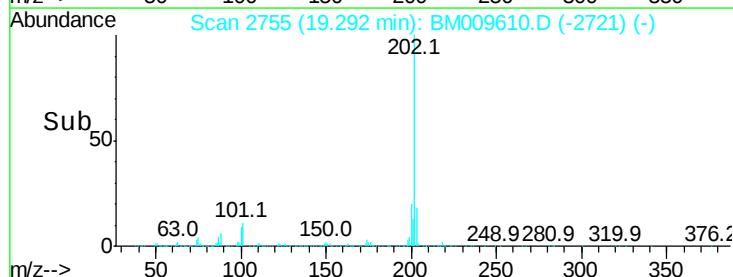
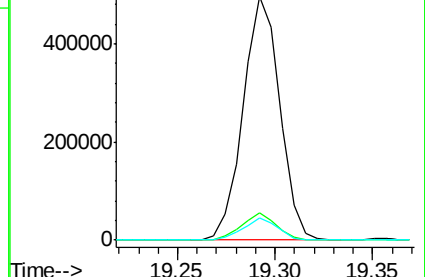
100 9.1 7.5 11.3

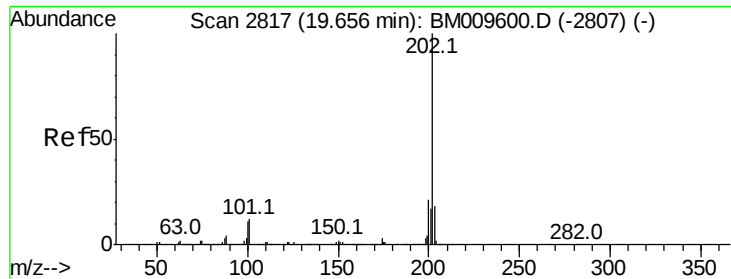


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

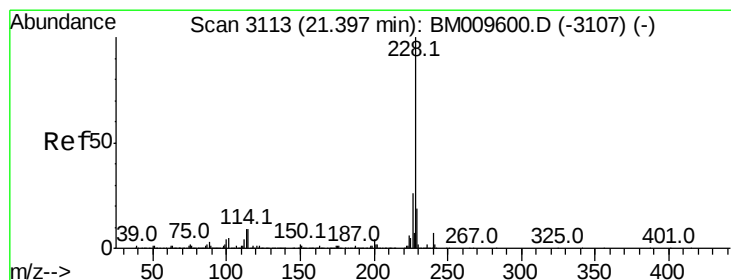
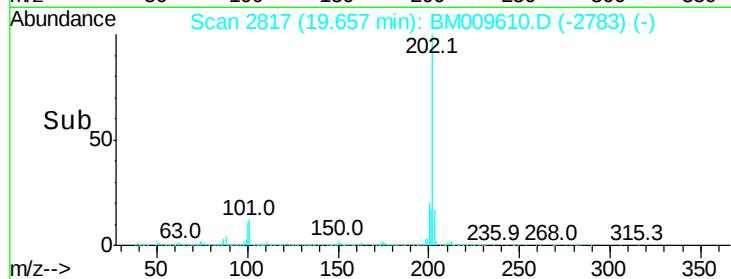
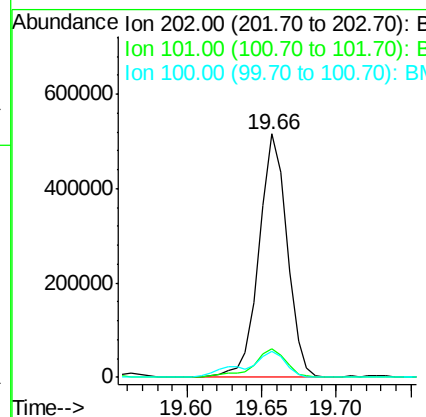
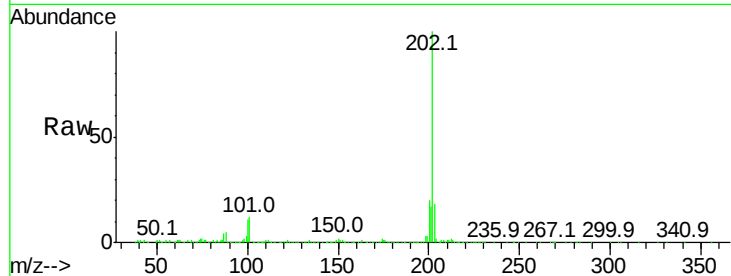




#20
Pvrene
Concen: 10.44 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM009610.D
Acq: 07 Apr 2017 00:59

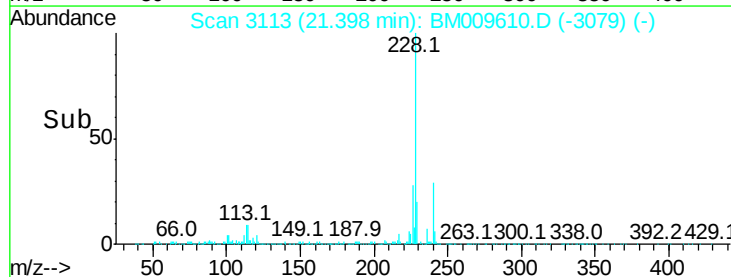
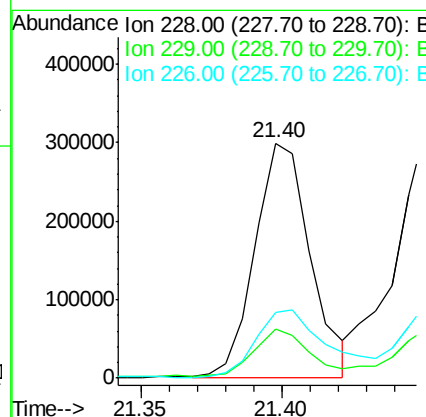
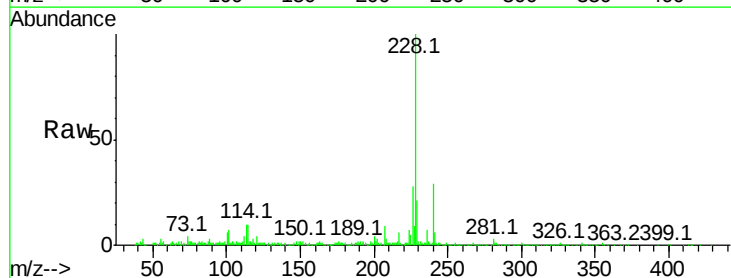
Instrument :
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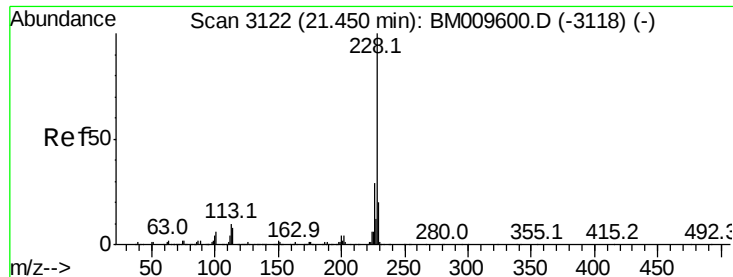
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	11.2	16.8
100	10.8	9.8	14.6



#21
Benzo(a)anthracene
Concen: 6.14 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009610.D
Acq: 07 Apr 2017 00:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	28.2	22.1	33.1





#22

Chrysene

Concen: 7.16 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

BNA_M

ClientSampleId :

CB351

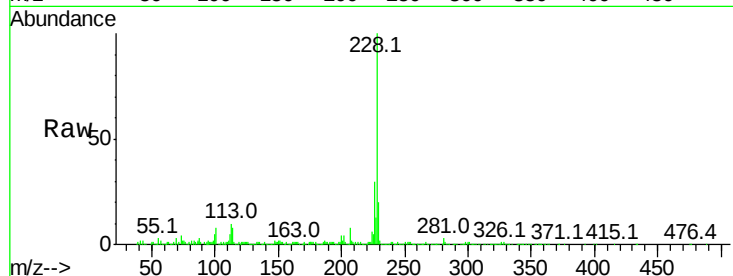
Tot Ion:228 Resp: 435905

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

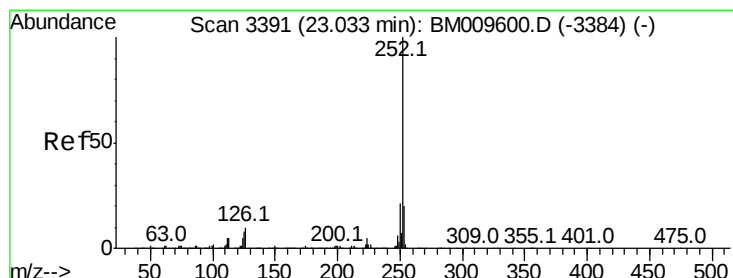
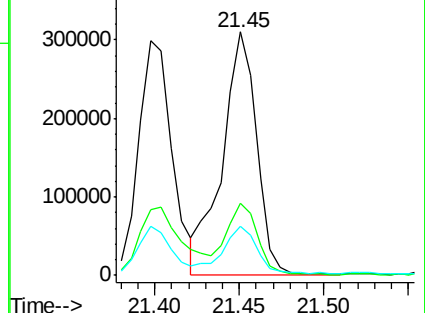
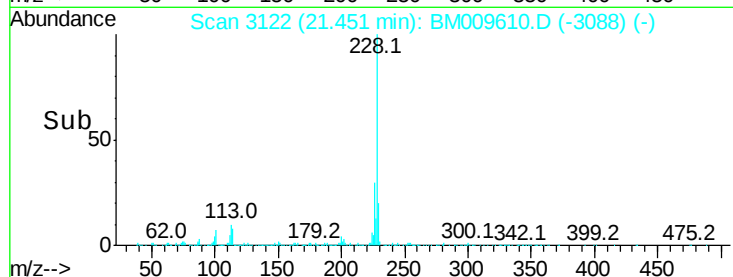
229 20.2 16.6 25.0



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: 9.36 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

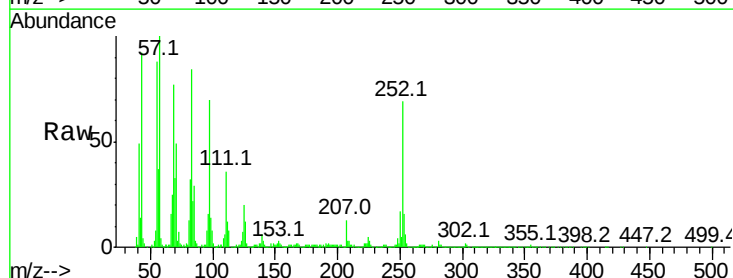
Tgt Ion:252 Resp: 642133

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

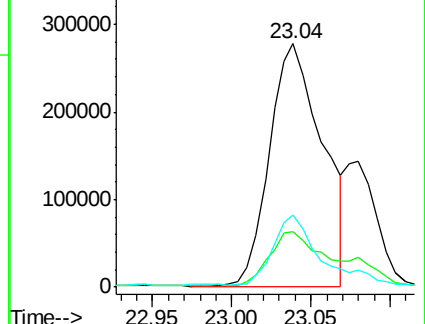
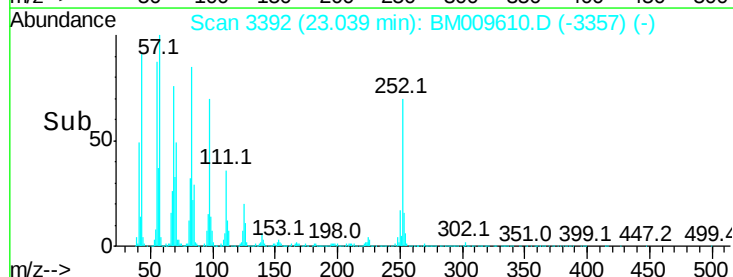
125 29.4 9.4 14.0#

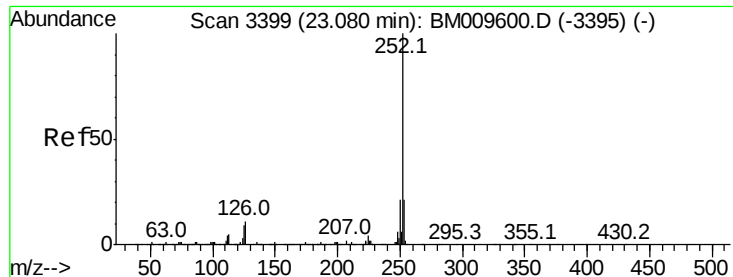


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 9.83 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

BNA_M

ClientSampleId :

CB351

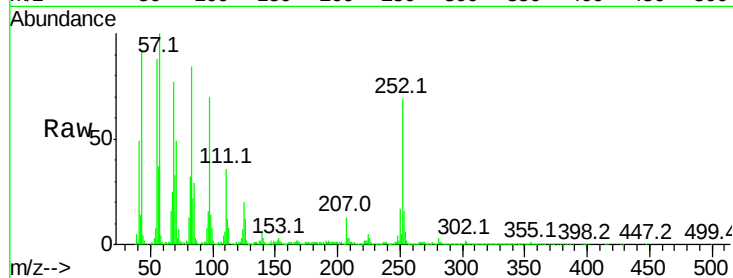
Tot Ion:252 Resp: 642133

Ion Ratio Lower Upper

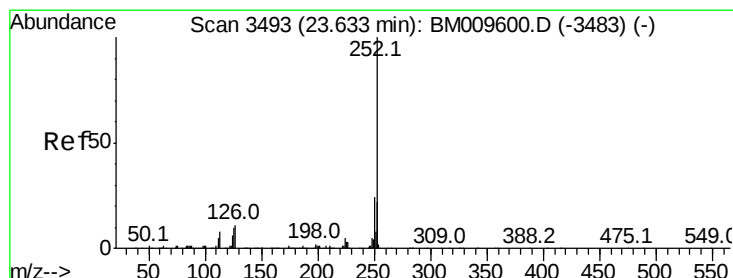
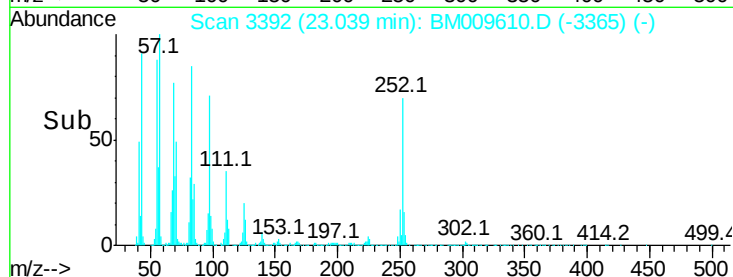
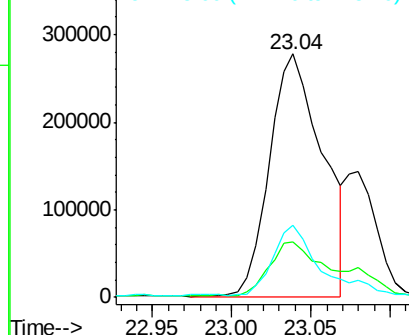
252 100

253 22.8 17.4 26.2

125 29.4 8.8 13.2#



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



#27

Benzo(a)pyrene

Concen: 6.38 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

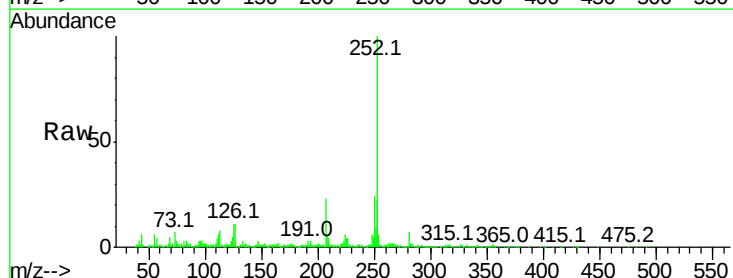
Tgt Ion:252 Resp: 416321

Ion Ratio Lower Upper

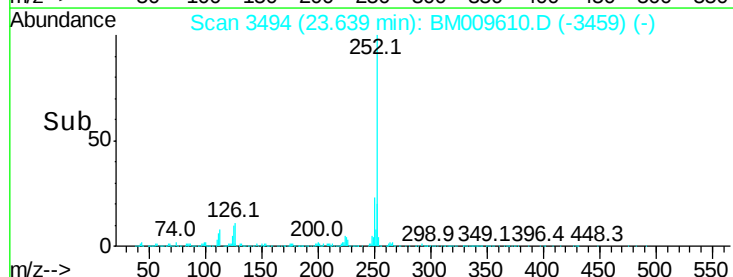
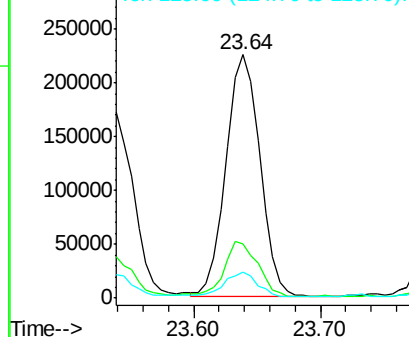
252 100

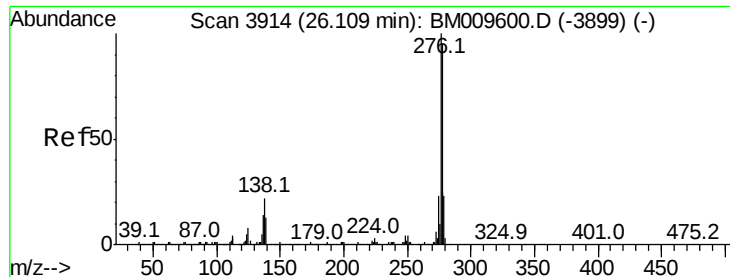
253 22.0 17.1 25.7

125 10.7 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: 4.43 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

BNA_M

ClientSampled :

CB351

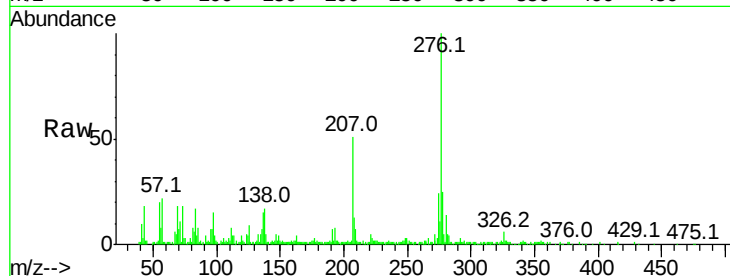
Tot Ion:276 Resp: 323825

Ion Ratio Lower Upper

276 100

138 17.1 17.8 26.6#

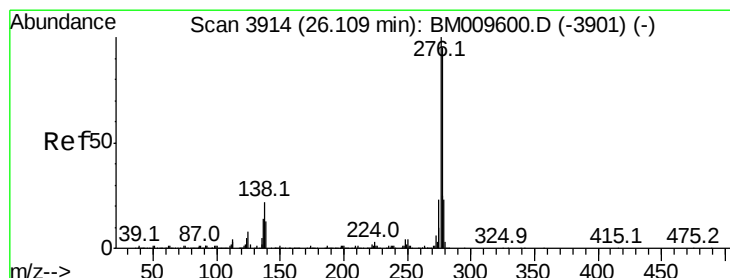
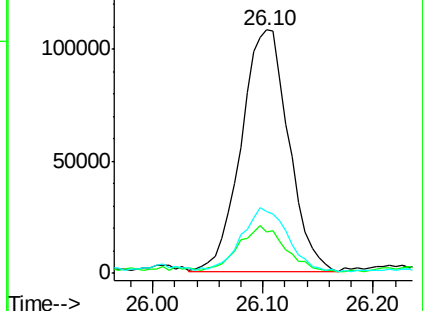
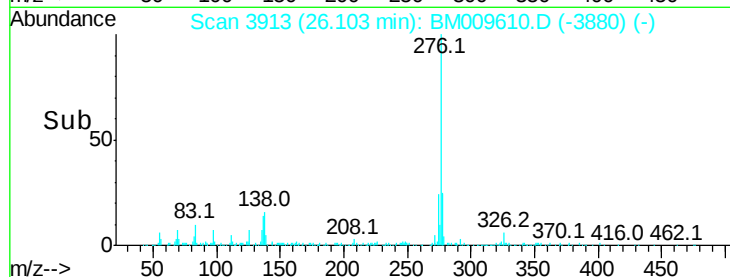
277 25.4 19.4 29.0



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: 1.38 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

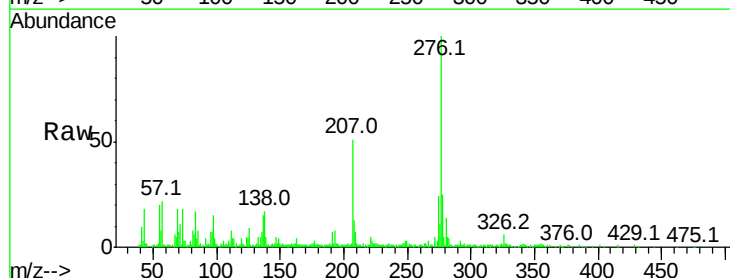
Tgt Ion:278 Resp: 85931

Ion Ratio Lower Upper

278 100

139 22.1 14.0 21.0#

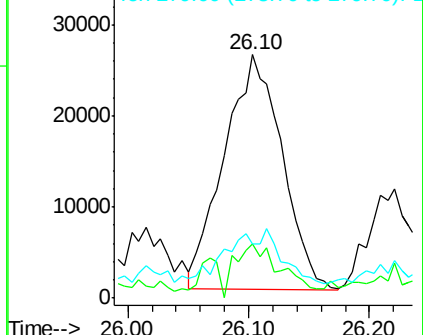
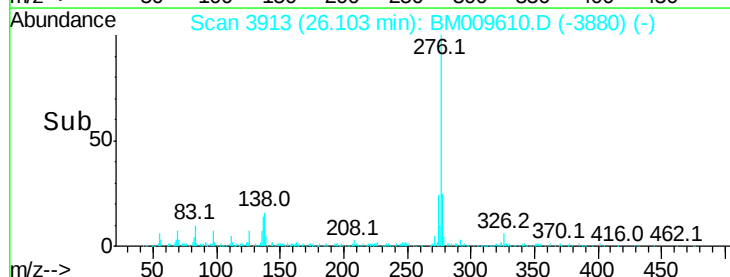
279 22.3 20.6 31.0

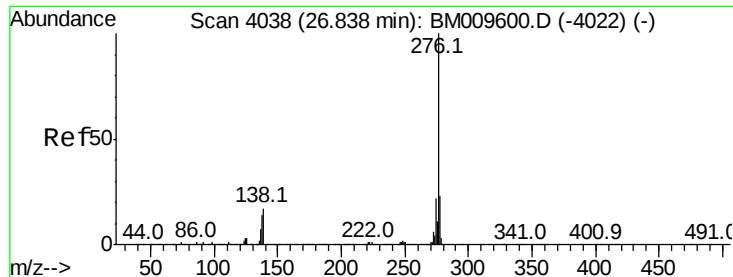


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 5.22 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. -0.01 min

Lab File: BM009610.D

Acq: 07 Apr 2017 00:59

Instrument :

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ClientSampleId :

CB351

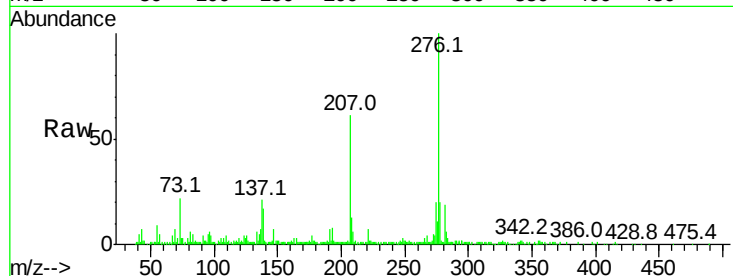
Tot Ion:276 Resp: 314454

Ion Ratio Lower Upper

276 100

138 17.1 19.0 28.4#

277 20.0 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

