

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009602.D
 Acq On : 06 Apr 2017 20:11
 Operator : SJ/MA
 Sample : I2525-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB371

Quant Time: Apr 07 03:20:16 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

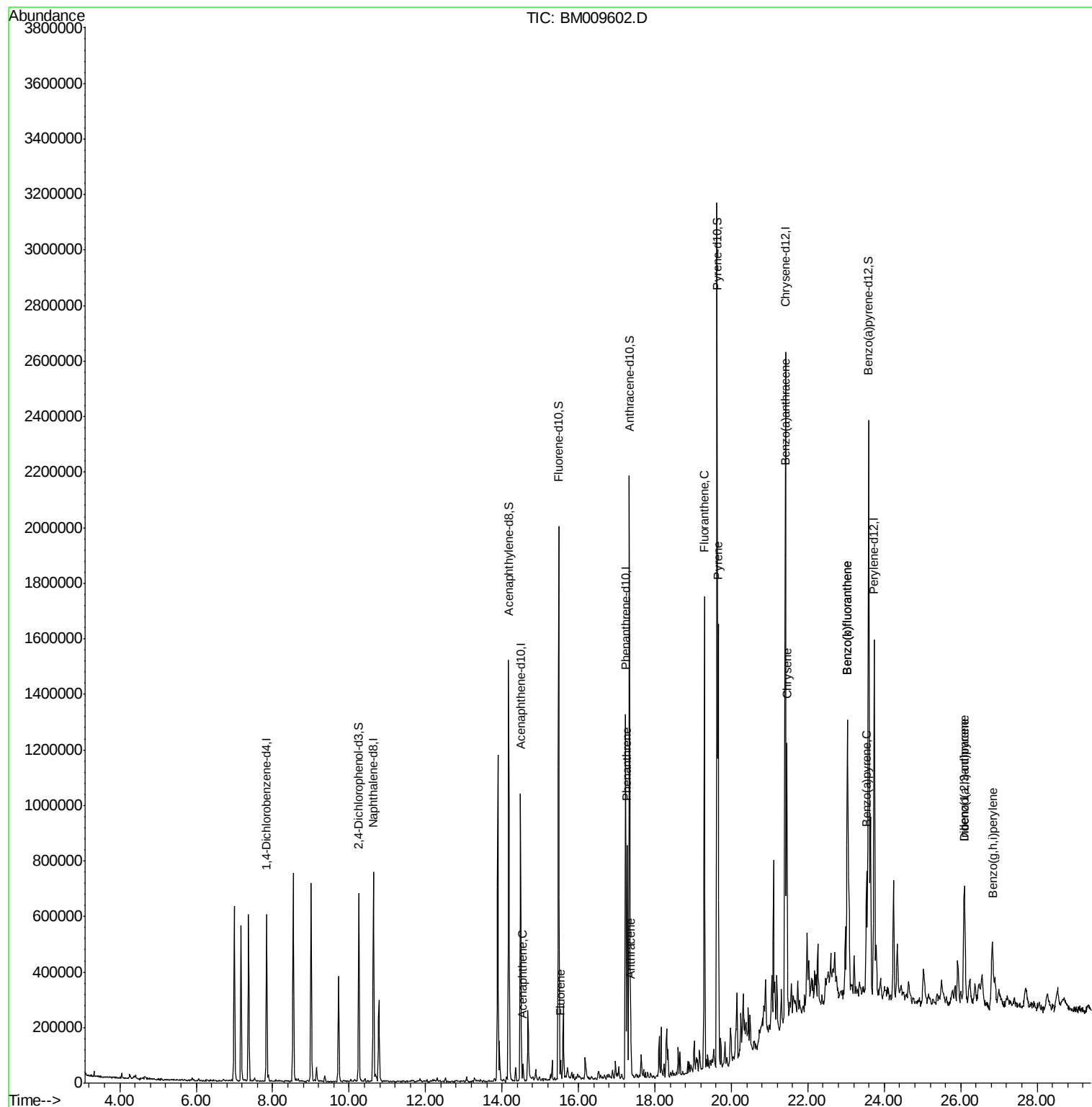
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	133403	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	543924	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	305832	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	701712	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	972514	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	939326	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	207976	24.87	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	978727	32.65	ng/ul	0.00
10) Fluorene-d10	15.48	176	707056	32.80	ng/ul	0.00
15) Anthracene-d10	17.33	188	1115744	33.23	ng/ul	0.00
19) Pyrene-d10	19.63	212	1349392	33.76	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1426270	34.39	ng/ul	0.00
Target Compounds						
9) Acenaphthene	14.54	153	20993	1.01	ng/ul	Qvalue 92
11) Fluorene	15.53	166	25680	1.02	ng/ul#	92
14) Phenanthrene	17.27	178	473748	12.01	ng/ul	97
16) Anthracene	17.37	178	104041	2.55	ng/ul	98
17) Fluoranthene	19.29	202	921247	18.75	ng/ul	95
20) Pyrene	19.66	202	892997	16.86	ng/ul	96
21) Benzo(a)anthracene	21.40	228	541314	9.84	ng/ul	99
22) Chrysene	21.45	228	503115	9.98	ng/ul	96
24) Benzo(b)fluoranthene	23.03	252	701496	12.08	ng/ul	97
25) Benzo(k)fluoranthene	23.03	252	701496	12.67	ng/ul	98
27) Benzo(a)pyrene	23.54	252	318416	5.77	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.10	276	304865	4.92	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	55226	1.05	ng/ul	95
30) Benzo(g,h,i)perylene	26.83	276	290405	5.69	ng/ul	94

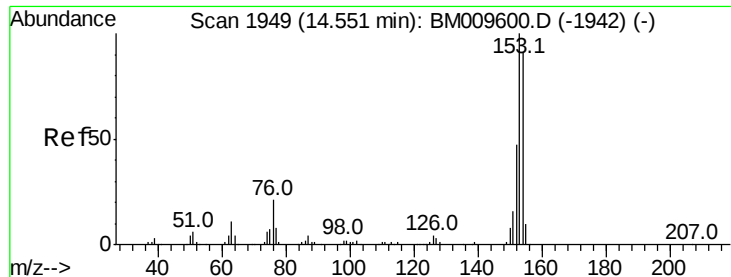
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.01 ng/ul

RT: 14.54 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

BNA_M

ClientSampleId :

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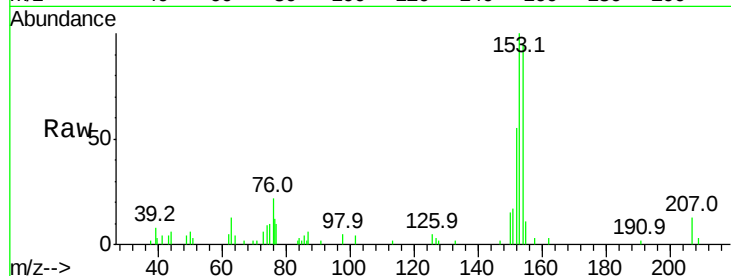
Tot Ion:153 Resp: 20993

Ion Ratio Lower Upper

153 100

152 54.9 37.9 56.9

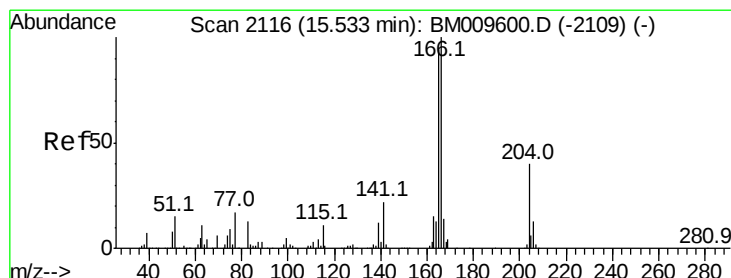
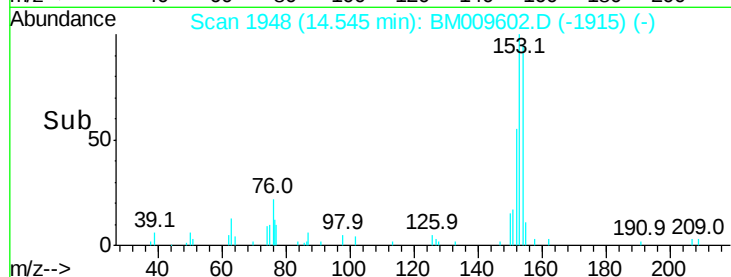
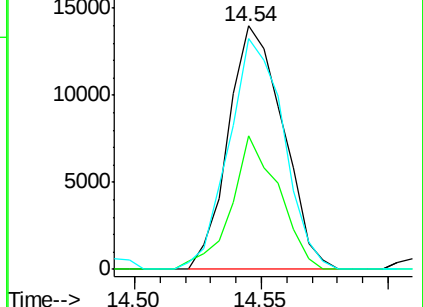
154 95.0 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.02 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

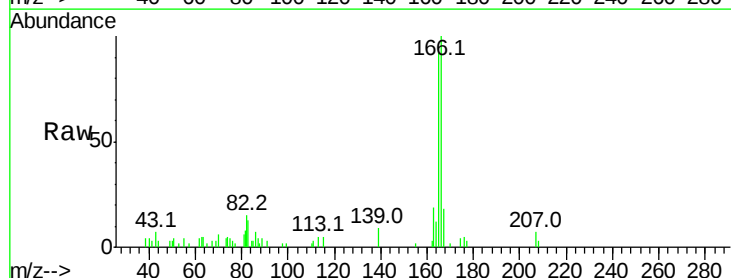
Tgt Ion:166 Resp: 25680

Ion Ratio Lower Upper

166 100

165 92.1 80.0 120.0

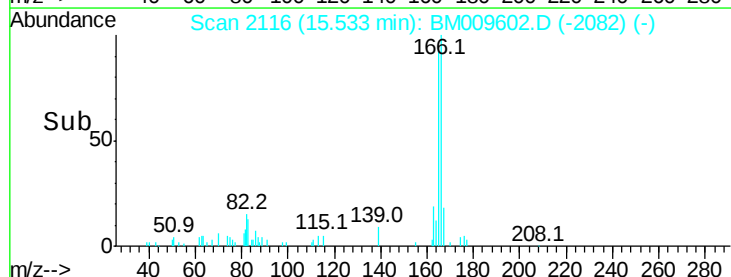
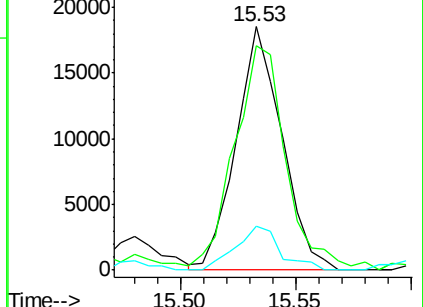
167 17.8 11.6 17.4#

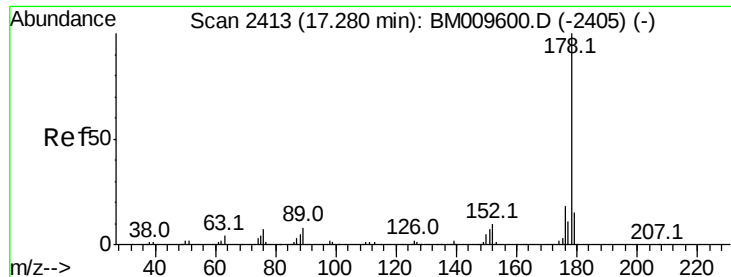


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 12.01 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

BNA_M

ClientSampleId :

CB371

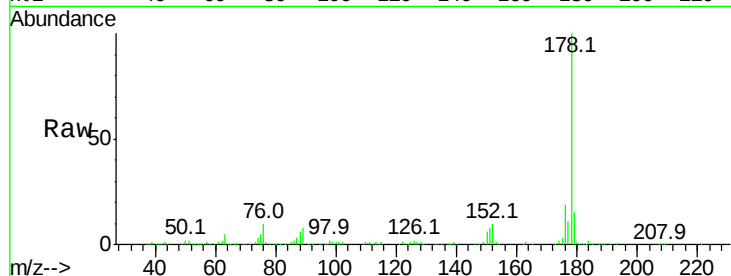
Tot Ion:178 Resp: 473748

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

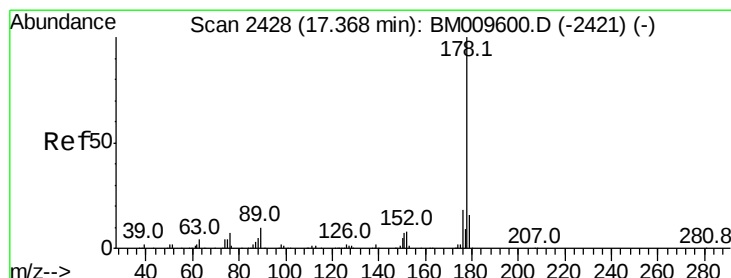
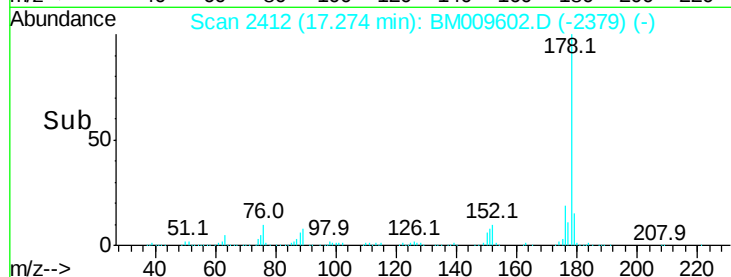
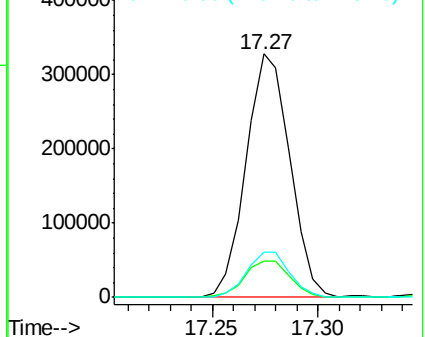
176 18.6 16.4 24.6



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: 2.55 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

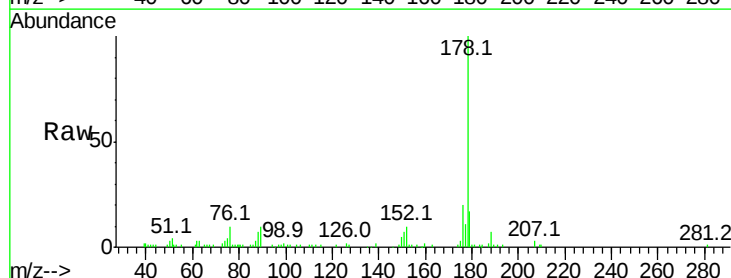
Tgt Ion:178 Resp: 104041

Ion Ratio Lower Upper

178 100

179 17.1 12.7 19.1

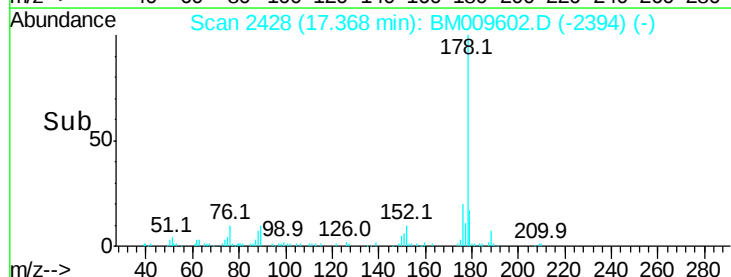
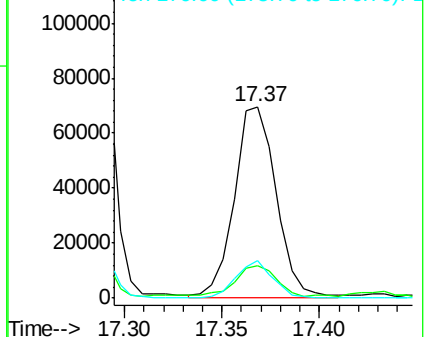
176 19.5 15.8 23.8

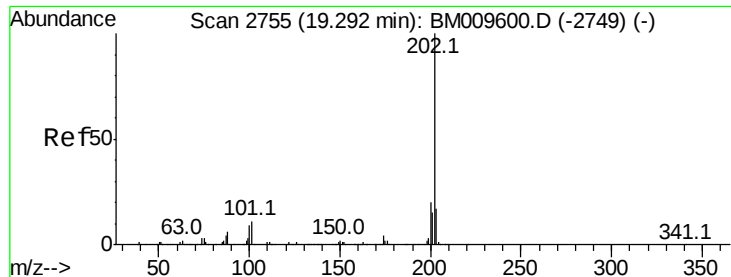


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

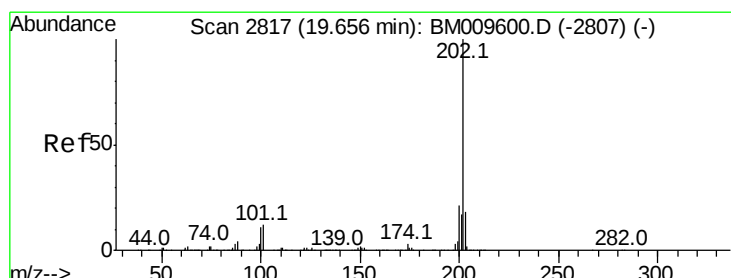
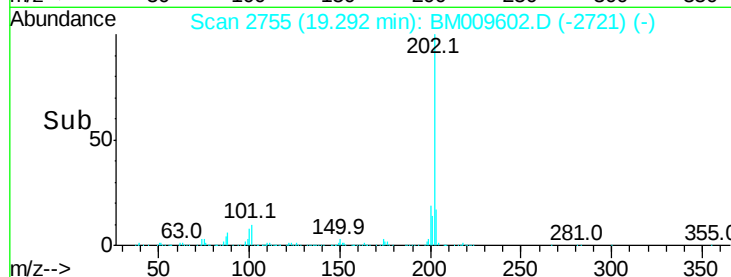
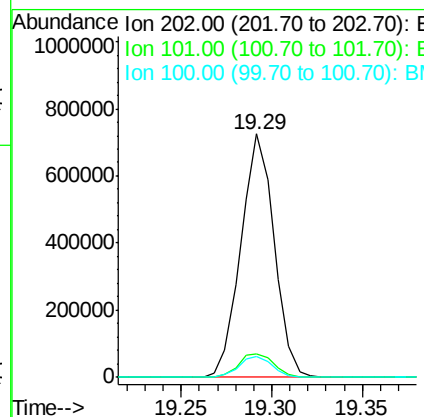
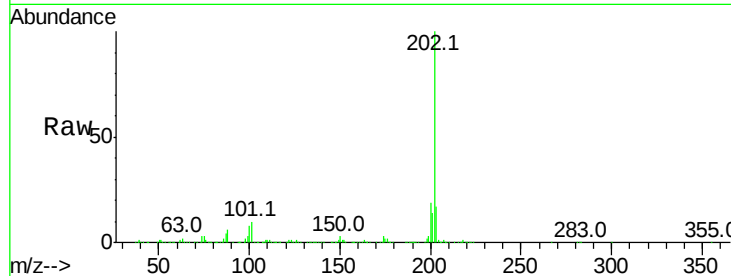




#17
Fluoranthene
 Concen: 18.75 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009602.D
 Acq: 06 Apr 2017 20:11

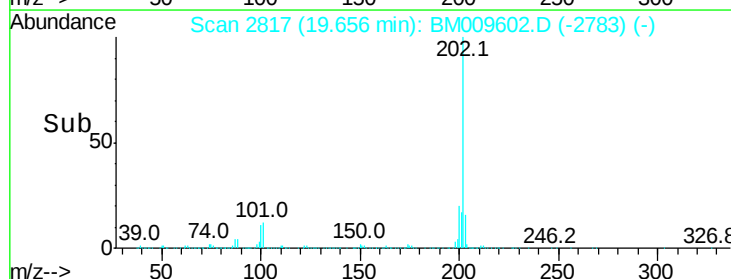
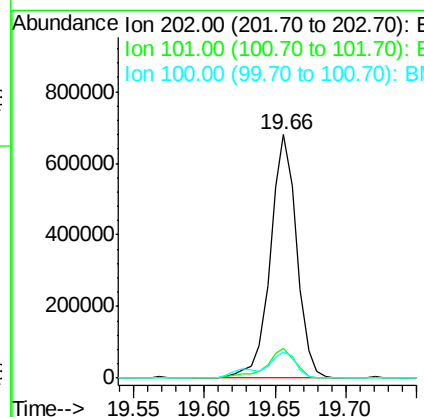
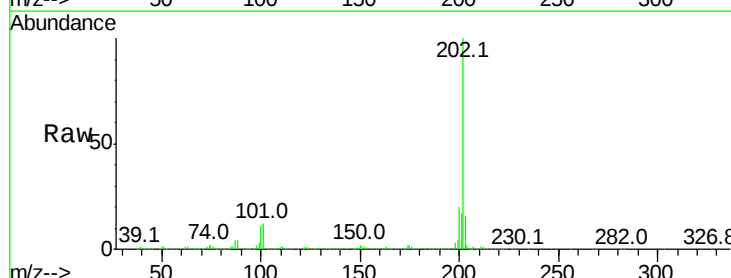
Instrument :
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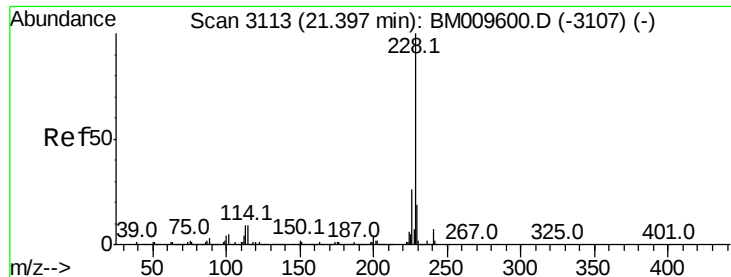
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.8	14.8
100	8.4	7.5	11.3



#20
Pyrene
 Concen: 16.86 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009602.D
 Acq: 06 Apr 2017 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.2	16.8
100	10.7	9.8	14.6





#21

Benzo(a)anthracene

Concen: 9.84 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

BNA_M

ClientSampleId :

CB371

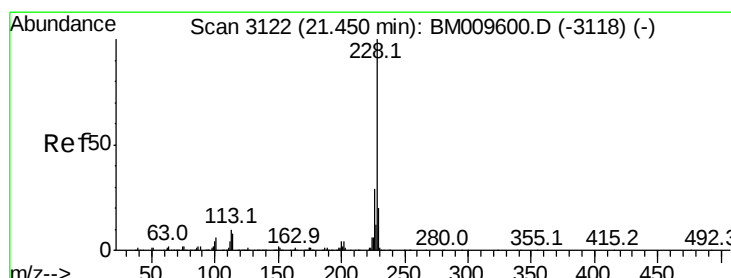
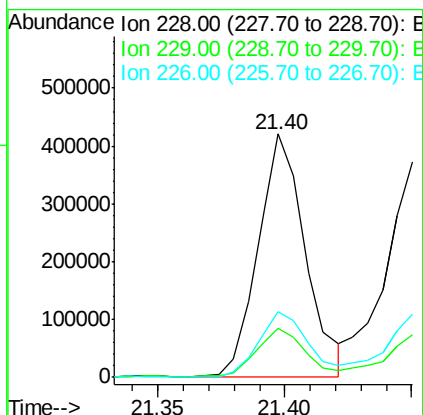
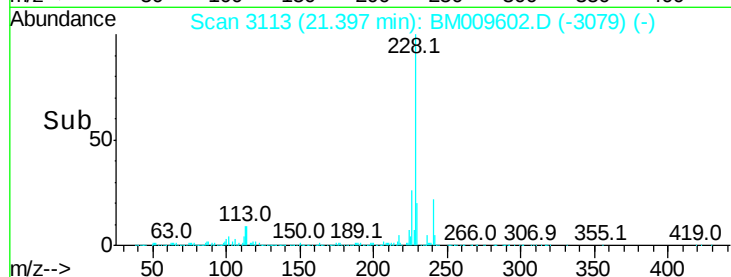
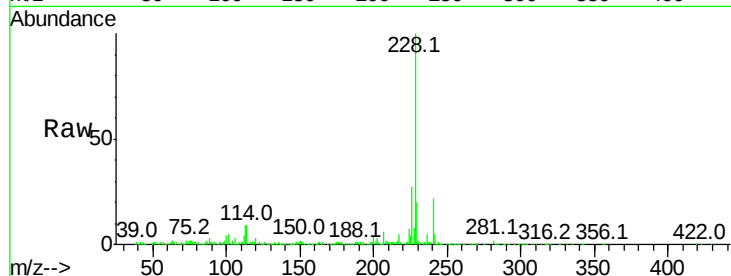
Tot Ion:228 Resp: 541314

Ion Ratio Lower Upper

228 100

229 20.2 15.9 23.9

226 26.8 22.1 33.1



#22

Chrysene

Concen: 9.98 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

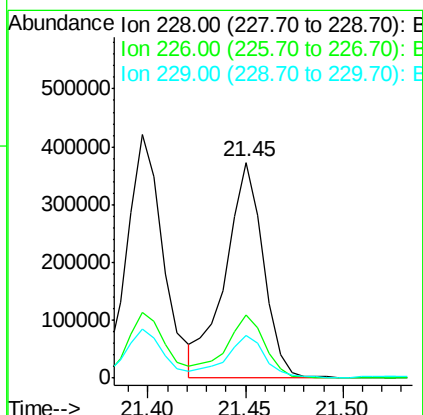
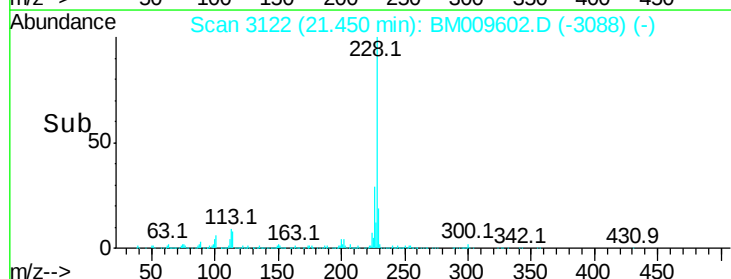
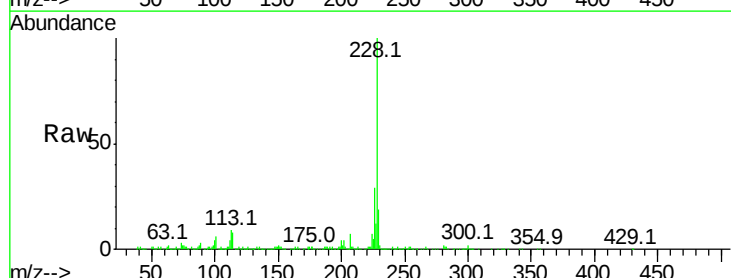
Tgt Ion:228 Resp: 503115

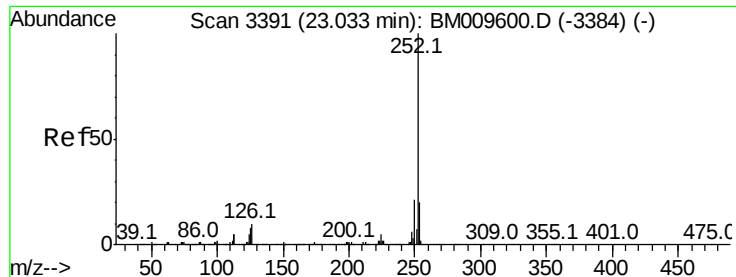
Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

229 19.5 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 12.08 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. 0.00 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

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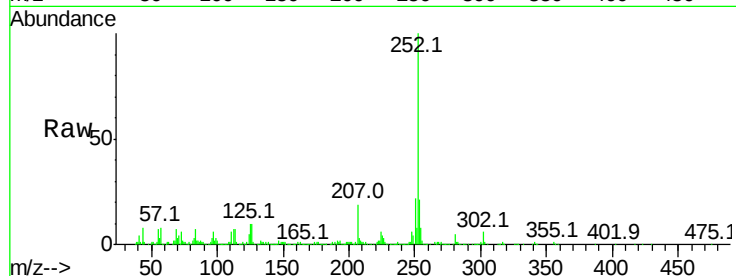
Tot Ion:252 Resp: 701496

Ion Ratio Lower Upper

252 100

253 20.6 17.8 26.6

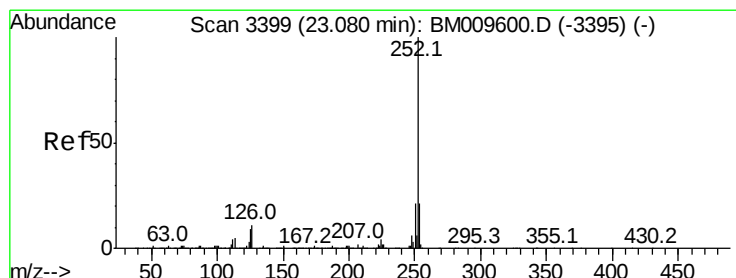
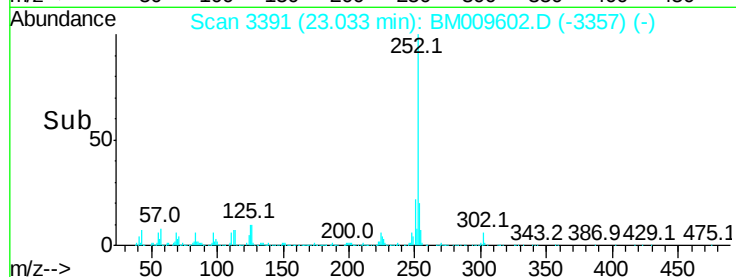
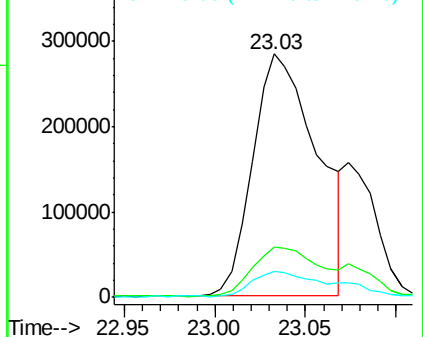
125 10.5 9.4 14.0



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: 12.67 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. -0.05 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

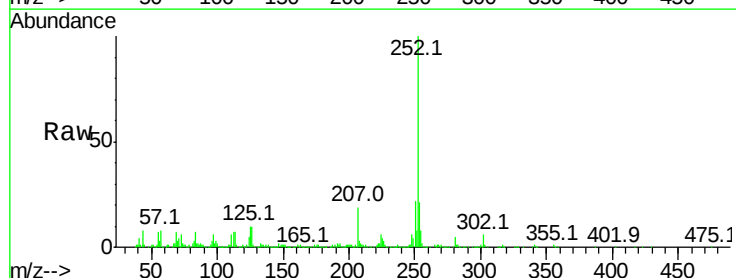
Tgt Ion:252 Resp: 701496

Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

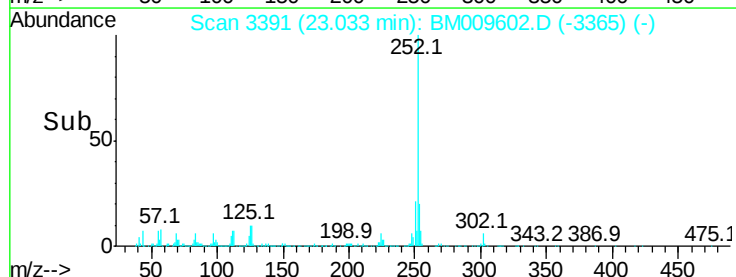
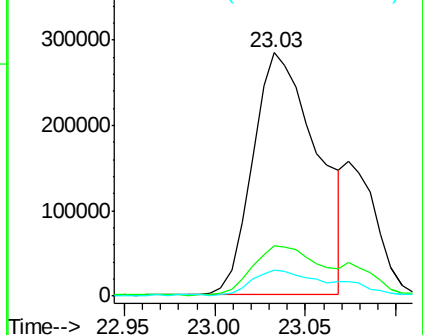
125 10.5 8.8 13.2

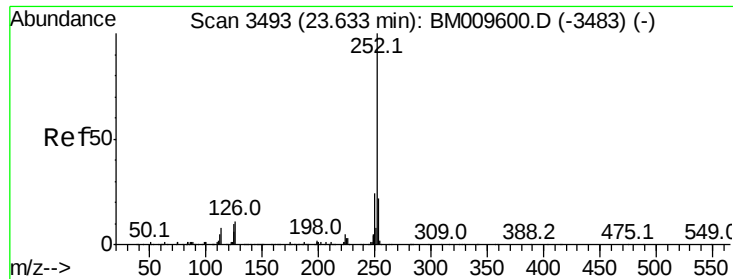


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 5.77 ng/ul

RT: 23.54 min Scan# 3477

Delta R.T. -0.09 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

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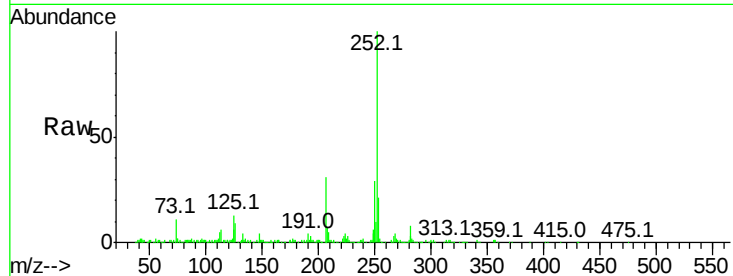
Tot Ion:252 Resp: 318416

Ion Ratio Lower Upper

252 100

253 20.6 17.1 25.7

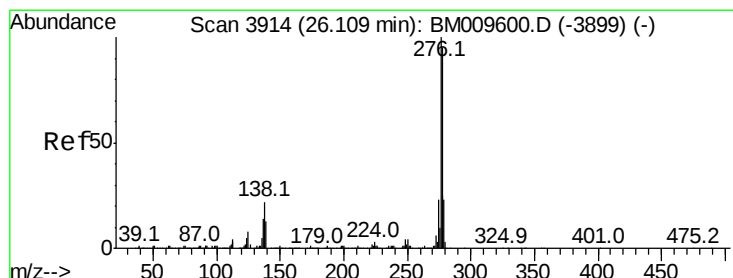
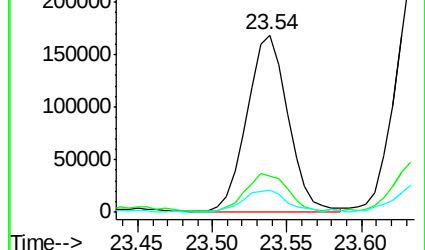
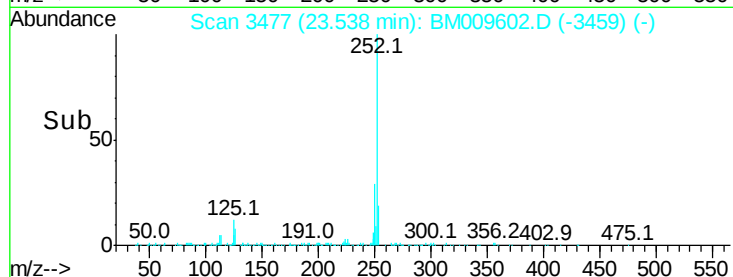
125 12.5 9.4 14.2



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: 4.92 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

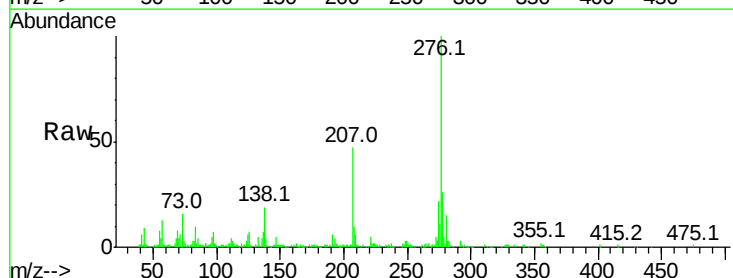
Tgt Ion:276 Resp: 304865

Ion Ratio Lower Upper

276 100

138 18.6 17.8 26.6

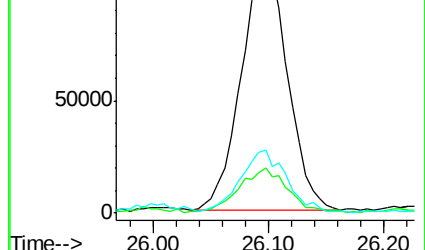
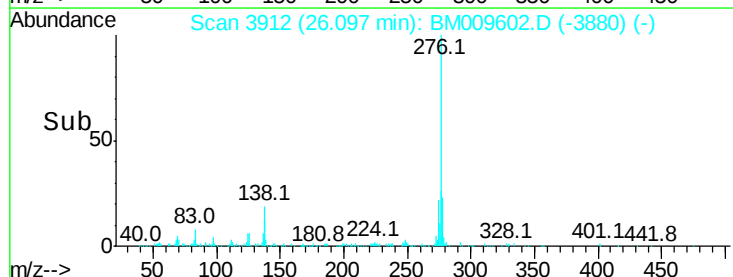
277 25.8 19.4 29.0

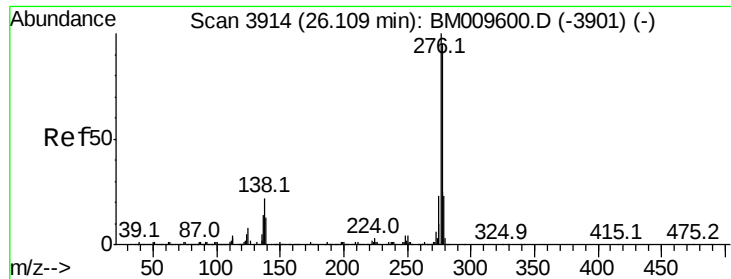


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.05 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

Instrument :

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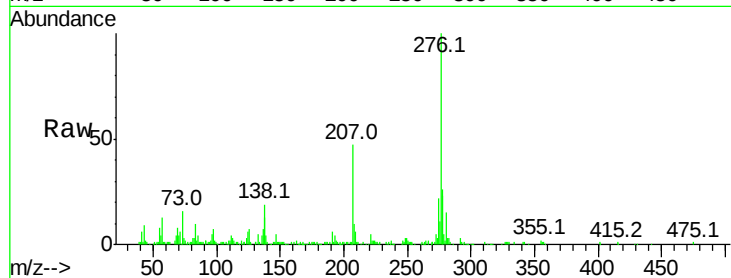
Tot Ion:278 Resp: 55226

Ion Ratio Lower Upper

278 100

139 17.3 14.0 21.0

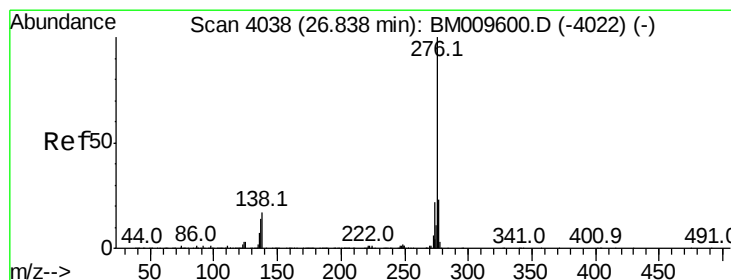
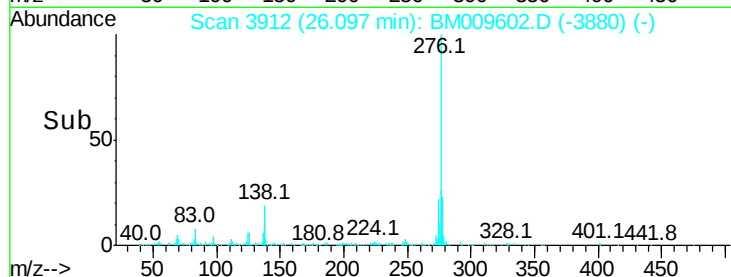
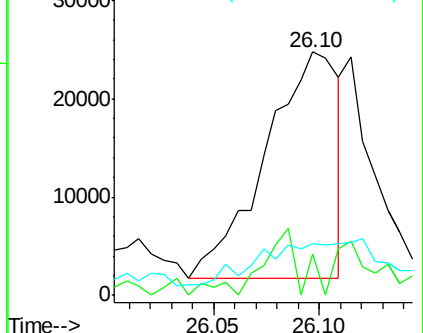
279 21.3 20.6 31.0



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(g,h,i)perylene

Concen: 5.69 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. -0.01 min

Lab File: BM009602.D

Acq: 06 Apr 2017 20:11

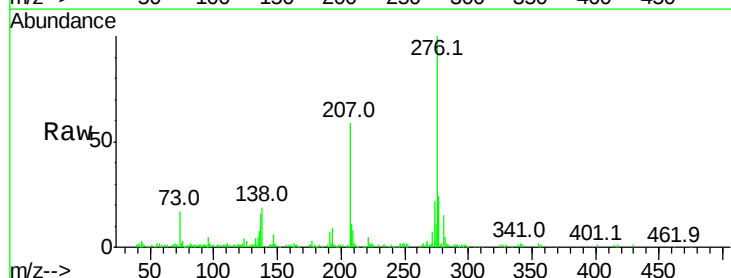
Tgt Ion:276 Resp: 290405

Ion Ratio Lower Upper

276 100

138 19.0 19.0 28.4

277 23.6 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

