

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005760.D
 Acq On : 12 Jun 2016 22:03
 Operator : UM/SJ
 Sample : H3536-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y16

Quant Time: Jun 13 03:32:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	108989	20.00	ng/ul	0.00
7) Naphthalene-d8	10.54	136	535071	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	287567	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	486208	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	406525	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	427096	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	4013	1.60	ng/uL	0.00
3) Phenol-d5	6.93	99	147574	15.69	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	115982	20.52	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	147527	19.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	88792	11.17	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	79540	20.63	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	87541	20.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	147724	18.68	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	347303	36.40	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	488424	20.59	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	626751	21.60	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	12909	3.72	ng/ul	0.00
21) Fluorene-d10	15.39	176	397738	19.80	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	11545	4.59	ng/ul	0.00
26) Anthracene-d10	17.24	188	479596	20.94	ng/ul	0.00
30) Pyrene-d10	19.53	212	434754	22.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	414274	21.27	ng/ul	0.00

Target Compounds

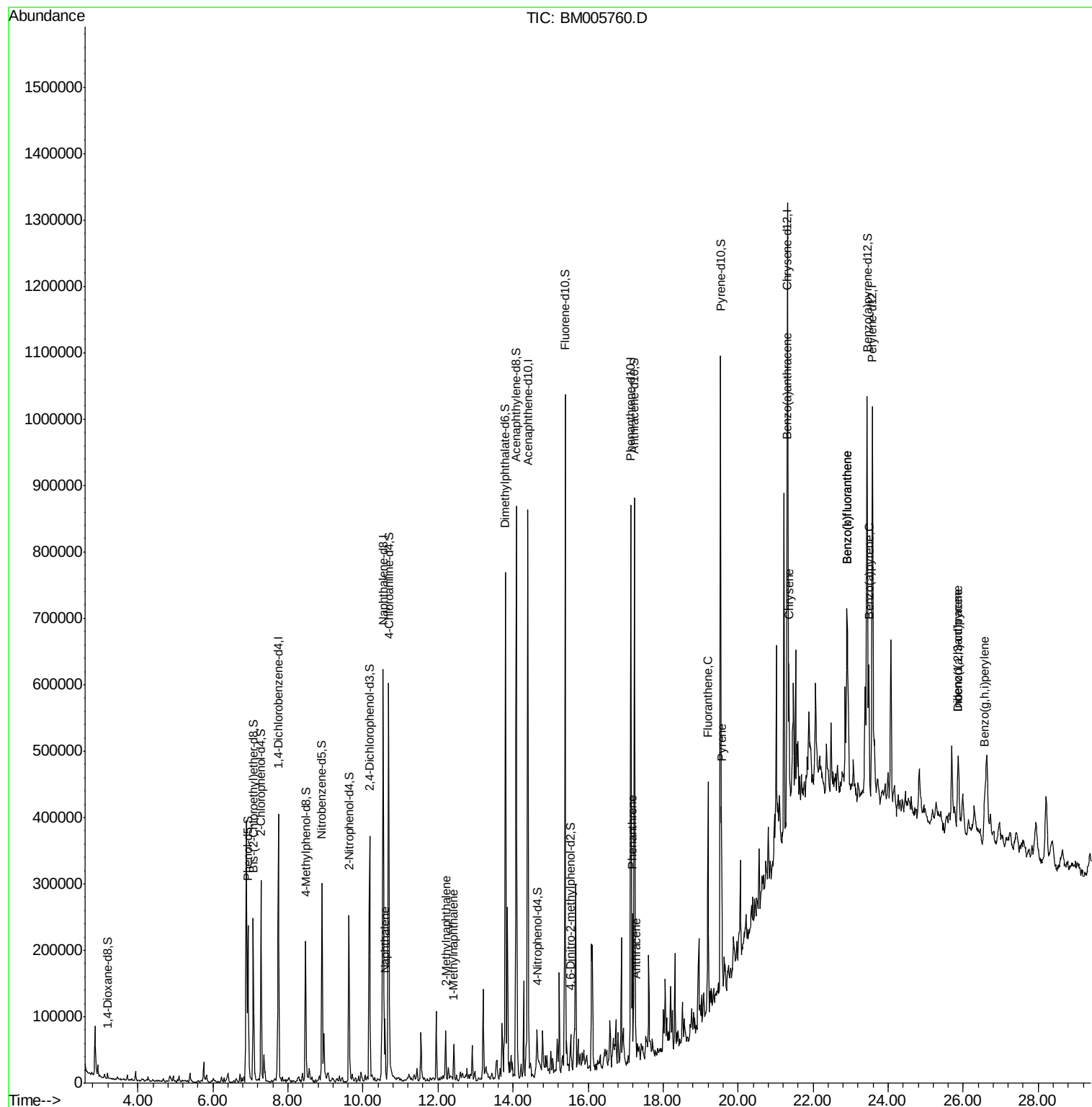
						Qvalue
11) Naphthalene	10.59	128	75733	2.82	ng/ul	99
13) 2-Methylnaphthalene	12.20	142	39338	1.95	ng/ul	99
14) 1-Methylnaphthalene	12.43	142	27753	1.39	ng/ul	100
25) Phenanthrene	17.18	178	125986	4.73	ng/ul	99
27) Anthracene	17.27	178	27246	1.01	ng/ul	98
28) Fluoranthene	19.20	202	188813	6.04	ng/ul	99
31) Pyrene	19.56	202	167156	6.76	ng/ul	98
32) Benzo(a)anthracene	21.30	228	117191	4.99	ng/ul	96
33) Chrysene	21.36	228	137035	5.92	ng/ul	96
35) Benzo(b)fluoranthene	22.90	252	216109	8.52	ng/ul	98
36) Benzo(k)fluoranthene	22.90	252	216109	8.43	ng/ul#	96
38) Benzo(a)pyrene	23.49	252	130208	5.41	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.87	276	106240	4.52	ng/ul	95
40) Dibenzo(a,h)anthracene	25.86	278	32376	1.65	ng/ul#	77
41) Benzo(g,h,i)perylene	26.57	276	94001	4.78	ng/ul	98

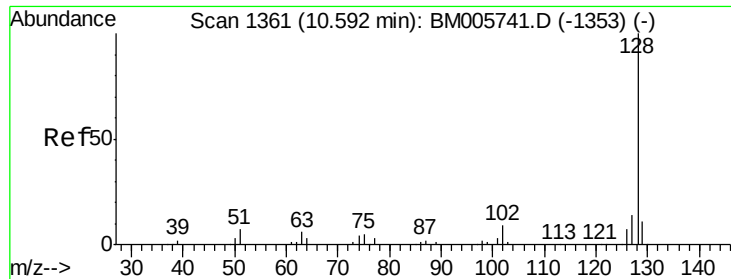
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
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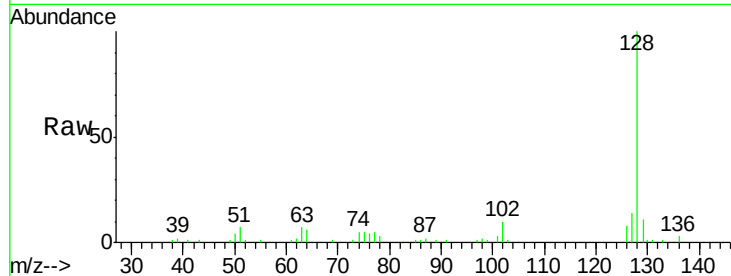




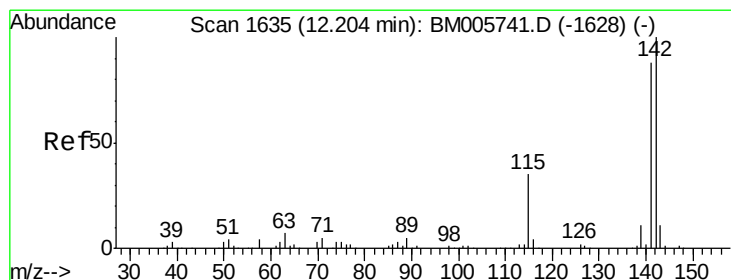
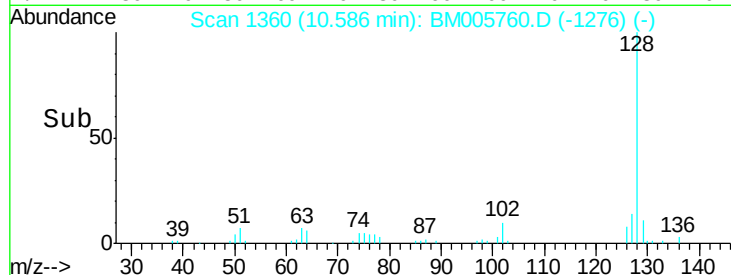
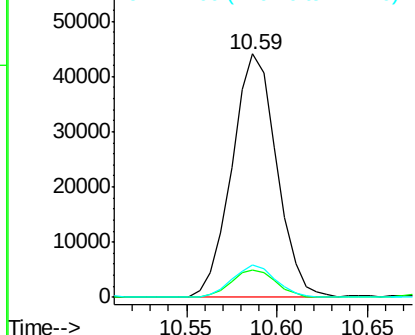
#11
Naphthalene
Concen: 2.82 ng/ul
RT: 10.59 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BM005760.D
Acq: 12 Jun 2016 22:03

Instrument :
BNA_M
ClientSampleId :
D9Y16

Tgt Ion:128 Resp: 75733
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 10.3 15.5

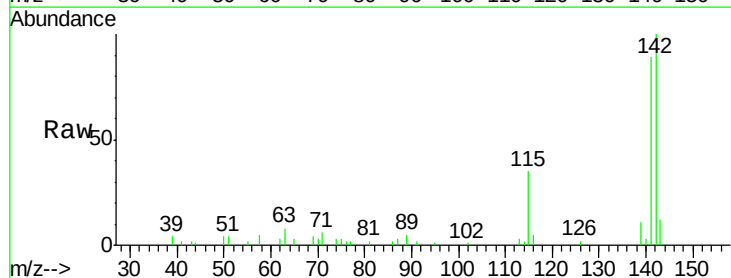


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

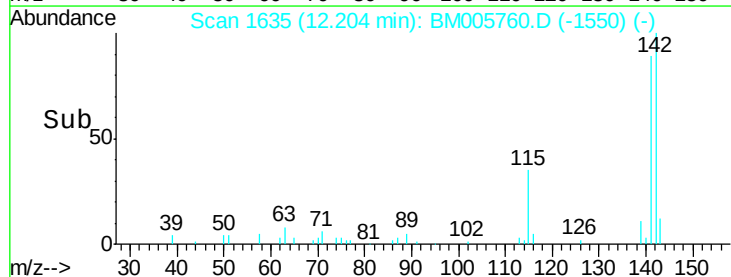
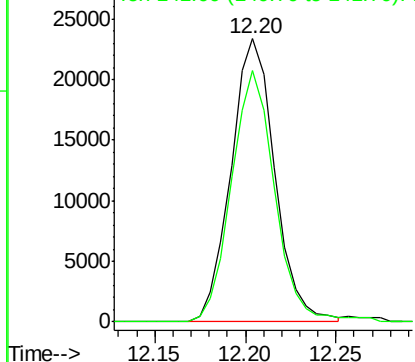


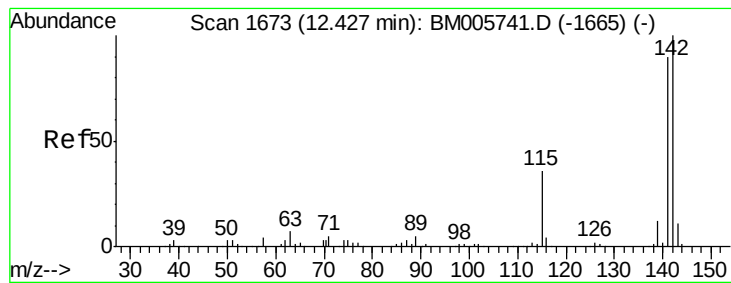
#13
2-Methylnaphthalene
Concen: 1.95 ng/ul
RT: 12.20 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BM005760.D
Acq: 12 Jun 2016 22:03

Tgt Ion:142 Resp: 39338
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 1.39 ng/ul

RT: 12.43 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

Instrument :

BNA_M

ClientSampleId :

D9Y16

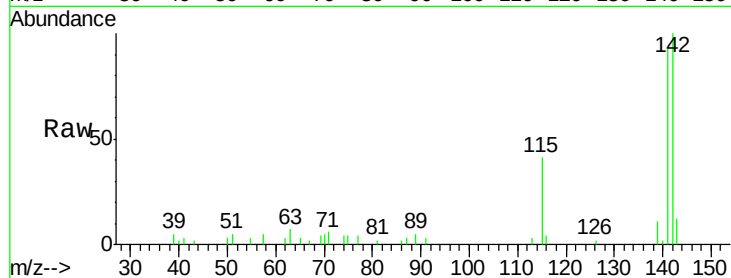
Tgt Ion:142 Resp: 27753

Ion Ratio Lower Upper

142 100

141 93.3 74.6 111.8

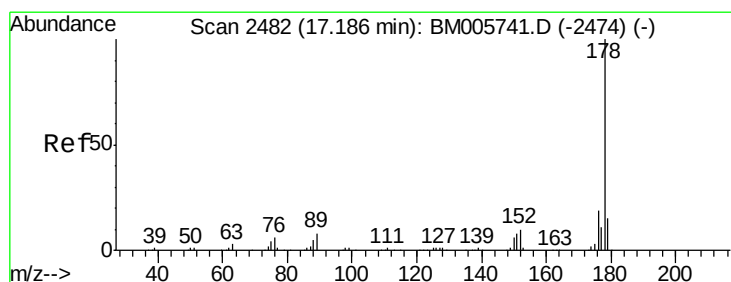
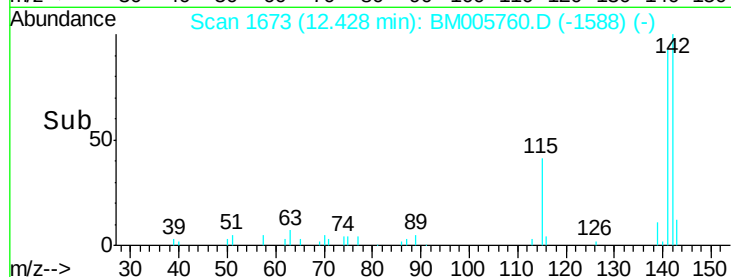
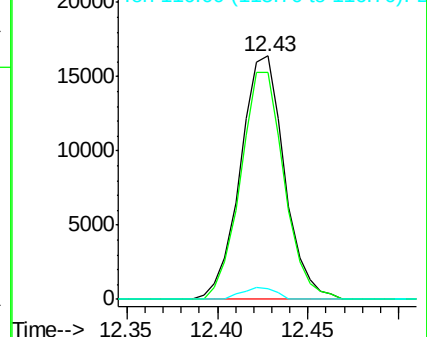
116 4.5 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#25

Phenanthrene

Concen: 4.73 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

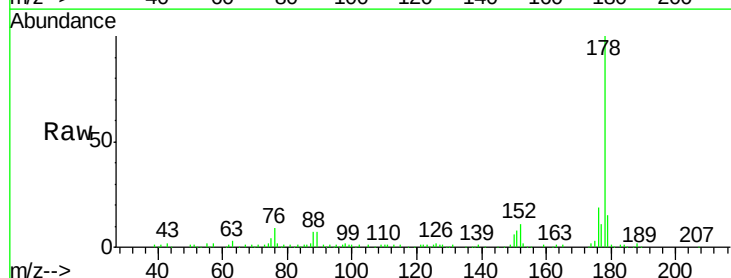
Tgt Ion:178 Resp: 125986

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

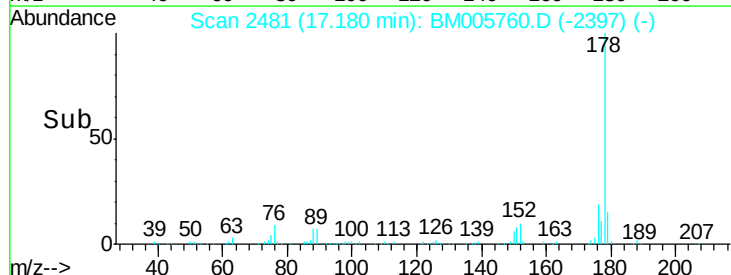
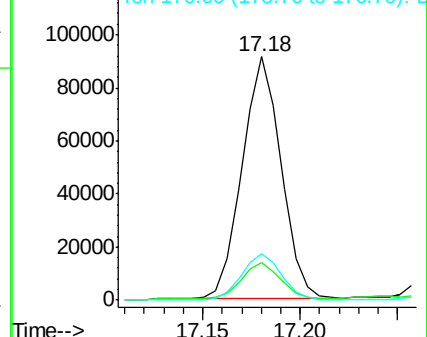
176 19.1 15.8 23.6

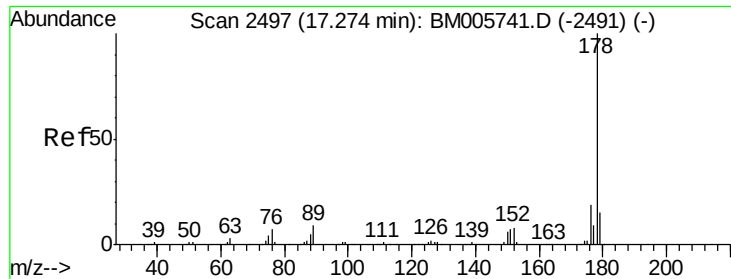


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

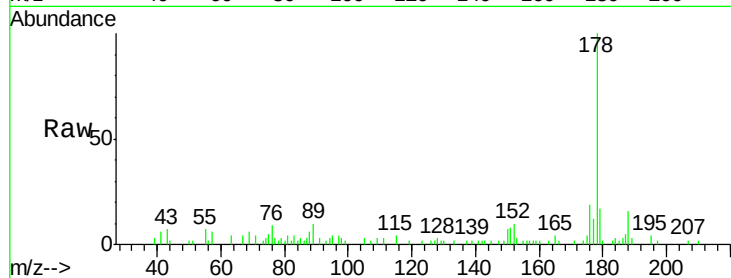




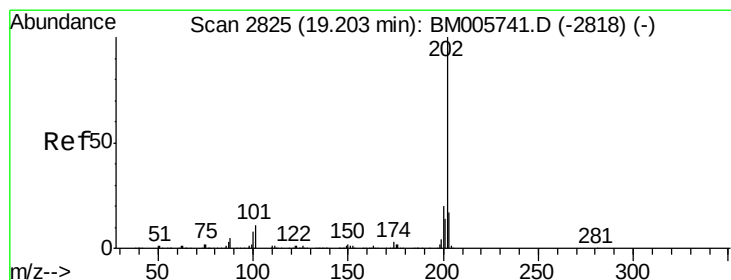
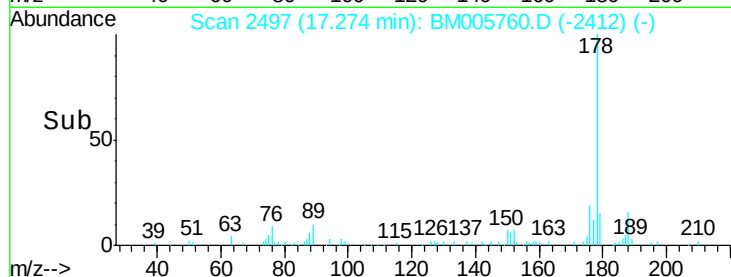
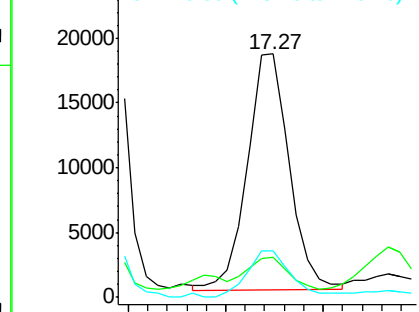
#27
 Anthracene
 Concen: 1.01 ng/ul
 RT: 17.27 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BM005760.D
 Acq: 12 Jun 2016 22:03

Instrument :
 BNA_M
 ClientSampleId :
 D9Y16

Tgt Ion:178 Resp: 27246
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.1 18.1
 176 19.2 15.0 22.6

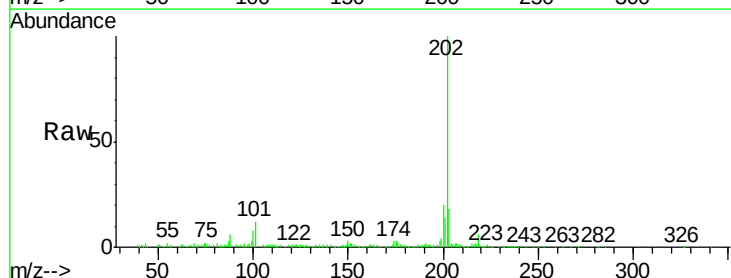


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

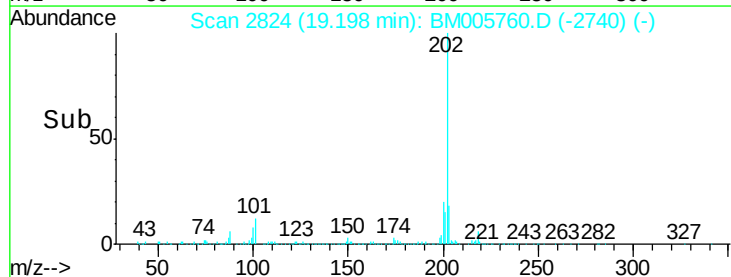
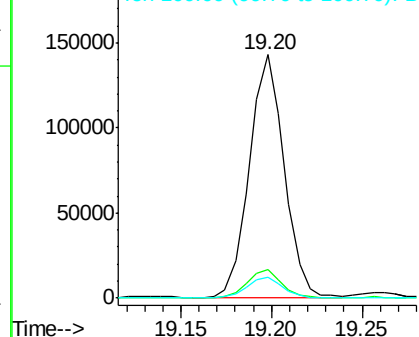


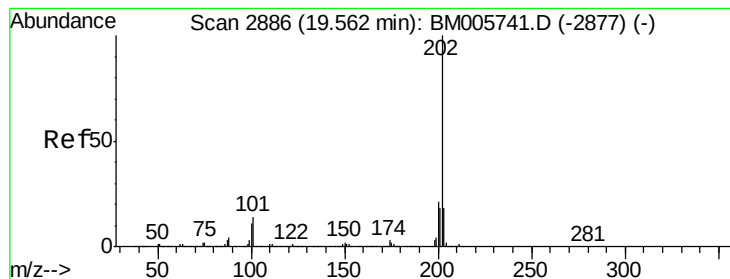
#28
 Fluoranthene
 Concen: 6.04 ng/ul
 RT: 19.20 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM005760.D
 Acq: 12 Jun 2016 22:03

Tgt Ion:202 Resp: 188813
 Ion Ratio Lower Upper
 202 100
 101 11.5 9.4 14.2
 100 8.4 6.9 10.3



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

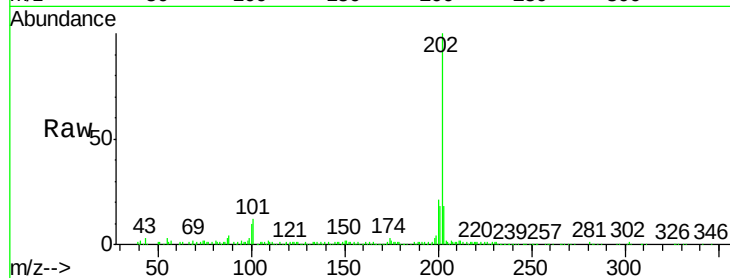




#31
 Pyrene
 Concen: 6.76 ng/ul
 RT: 19.56 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: BM005760.D
 Acq: 12 Jun 2016 22:03

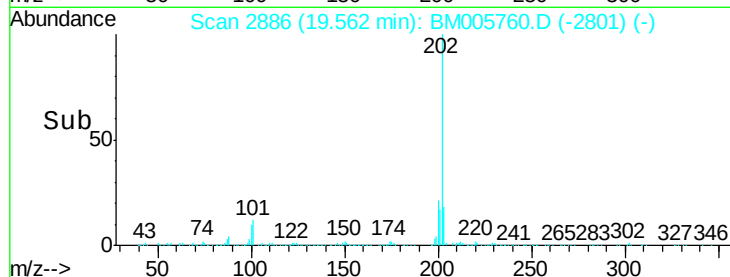
Instrument :
 BNA_M
 ClientSampleId :
 D9Y16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.6	15.8
100	10.0	8.4	12.6

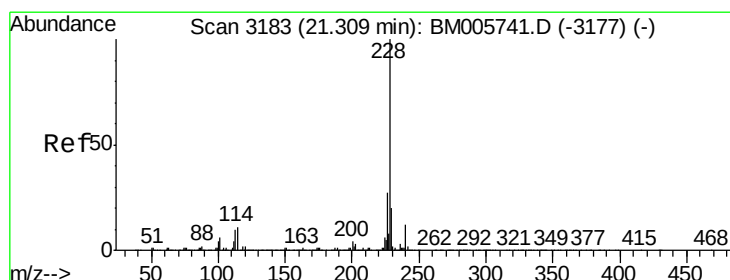


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

19.56

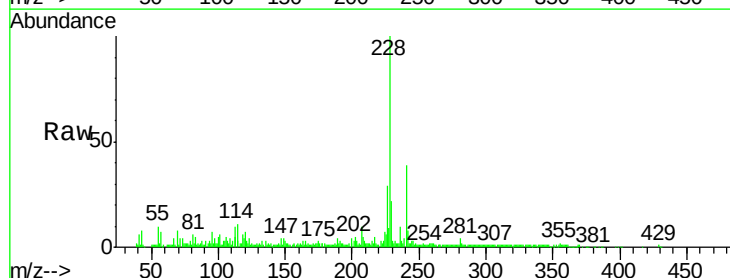


Time-->



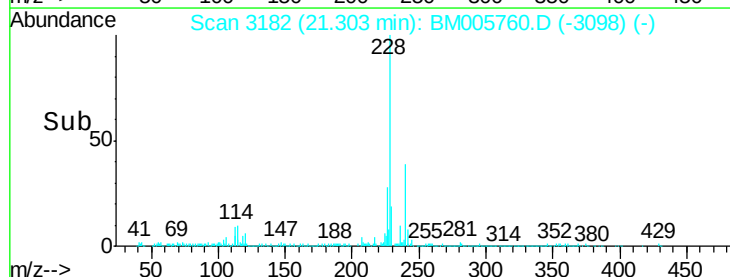
#32
 Benzo(a)anthracene
 Concen: 4.99 ng/ul
 RT: 21.30 min Scan# 3182
 Delta R.T. -0.01 min
 Lab File: BM005760.D
 Acq: 12 Jun 2016 22:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	16.1	24.1
226	29.4	22.1	33.1

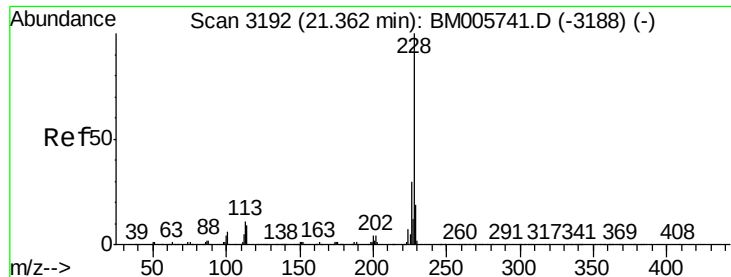


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E

21.30



Time-->



#33

Chrysene

Concen: 5.92 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

Instrument :

BNA_M

ClientSampleId :

D9Y16

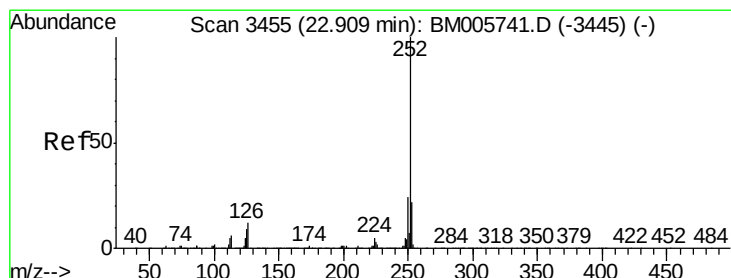
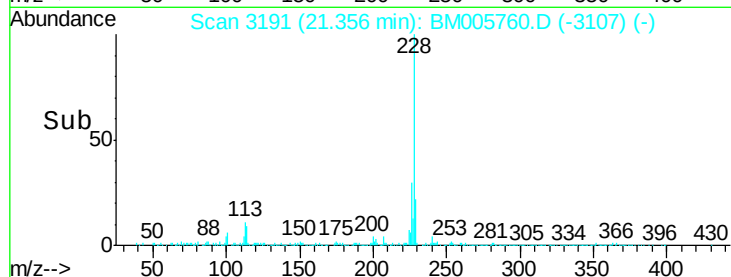
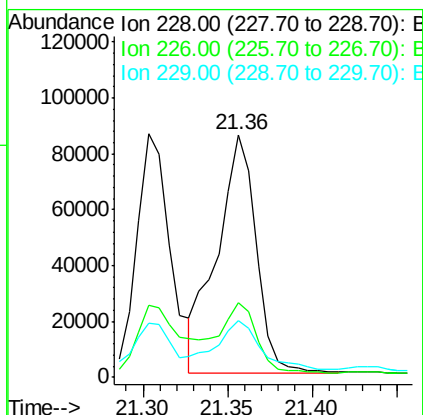
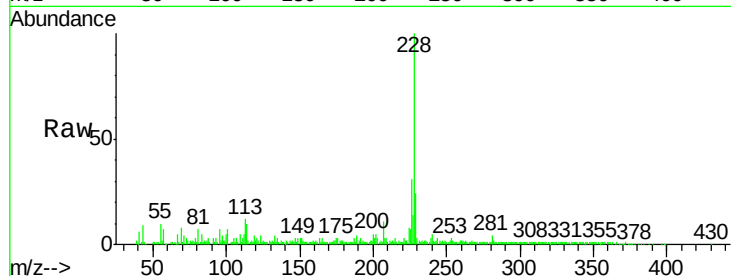
Tgt Ion:228 Resp: 137035

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

229 23.6 15.8 23.8



#35

Benzo(b)fluoranthene

Concen: 8.52 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

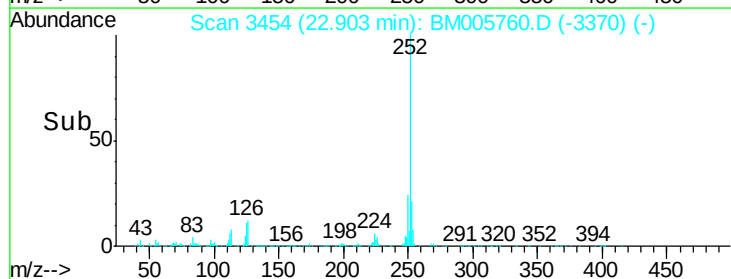
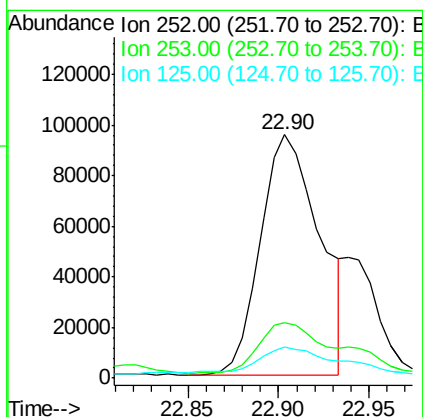
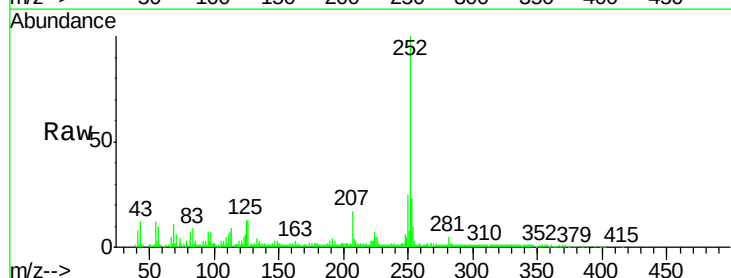
Tgt Ion:252 Resp: 216109

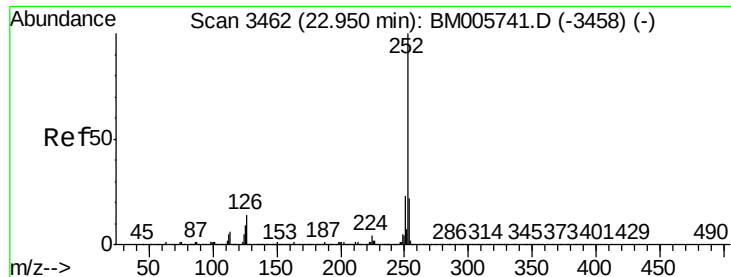
Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 12.6 8.4 12.6

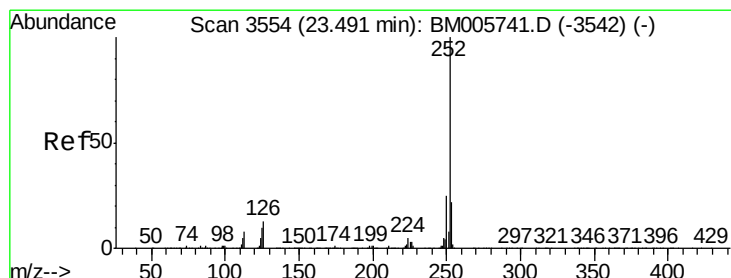
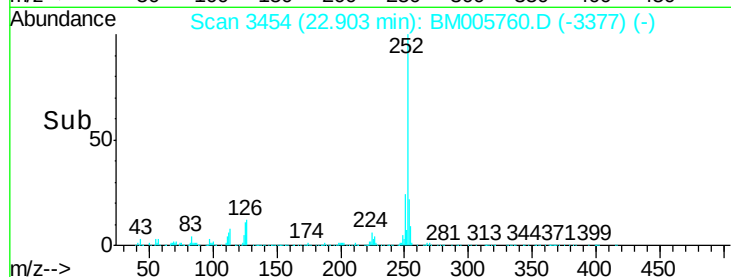
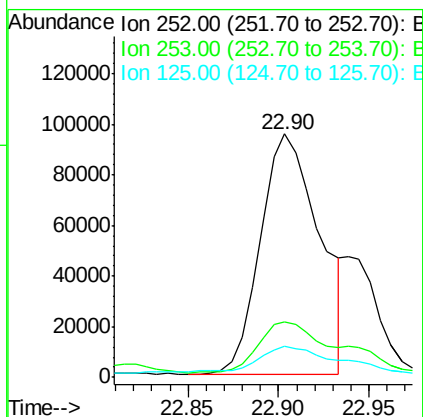
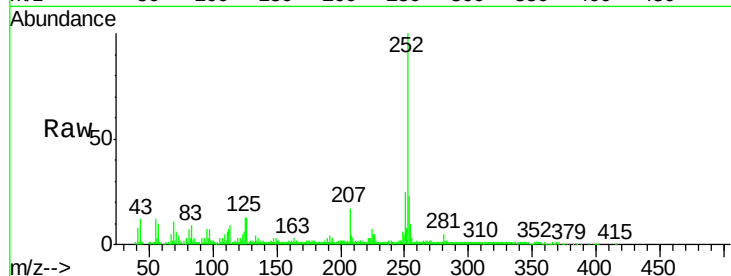




#36
Benzo(k)fluoranthene
Concen: 8.43 ng/ul
RT: 22.90 min Scan# 3454
Delta R.T. -0.05 min
Lab File: BM005760.D
Acq: 12 Jun 2016 22:03

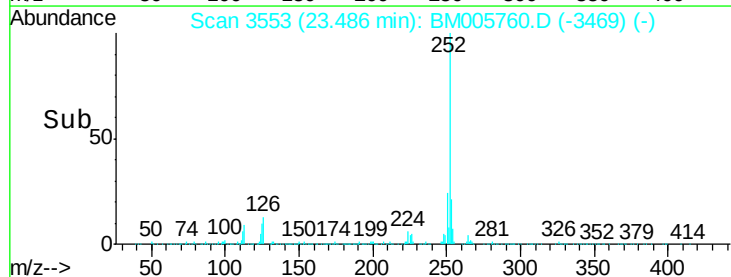
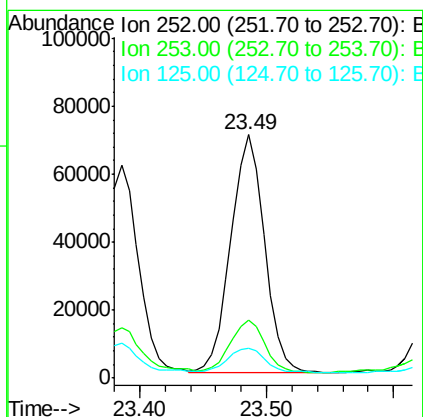
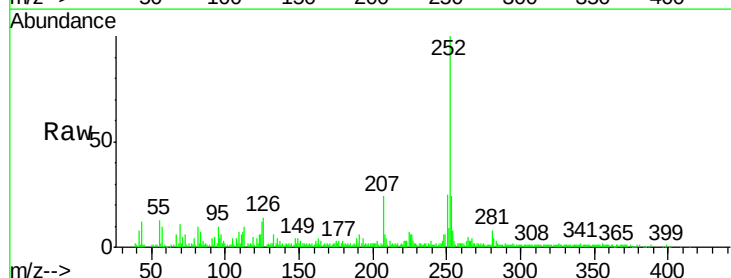
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D9Y16

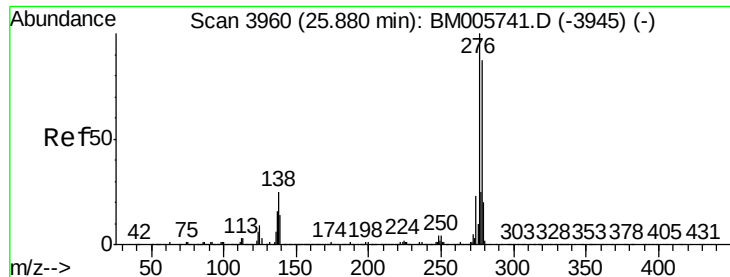
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.6	8.2	12.2#



#38
Benzo(a)pyrene
Concen: 5.41 ng/ul
RT: 23.49 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BM005760.D
Acq: 12 Jun 2016 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	12.3	9.1	13.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.52 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

Instrument :

BNA_M

ClientSampleId :

D9Y16

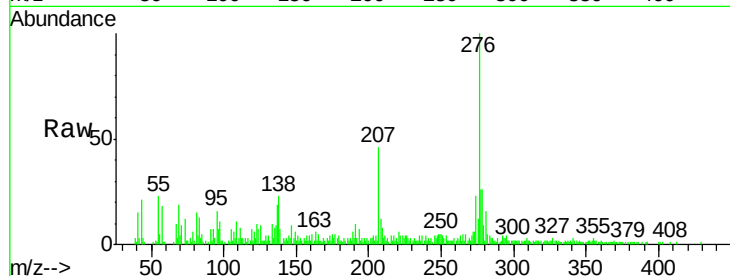
Tgt Ion:276 Resp: 106240

Ion Ratio Lower Upper

276 100

138 22.7 21.4 32.2

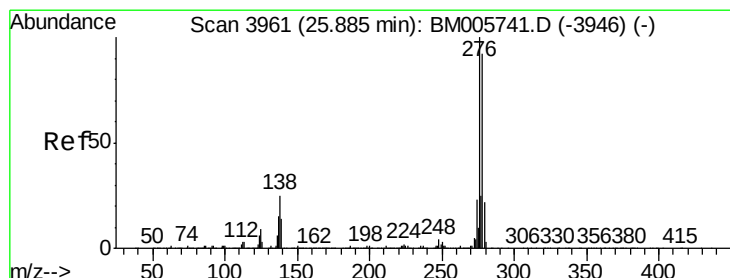
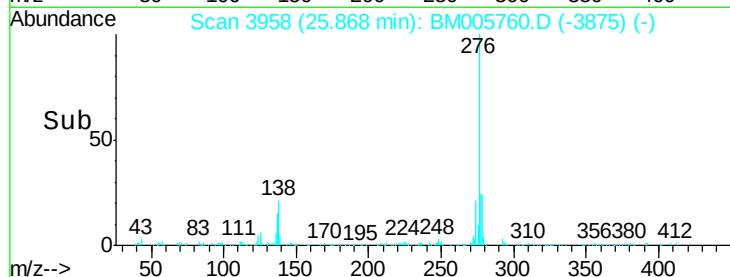
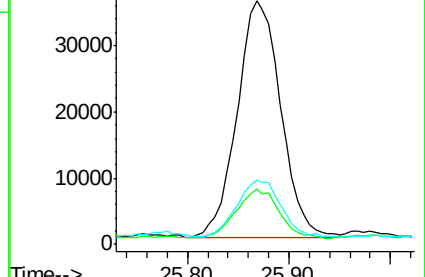
277 26.5 20.5 30.7



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



#40

Dibenzo(a,h)anthracene

Concen: 1.65 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

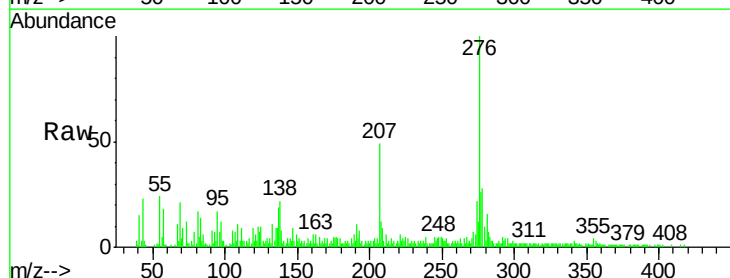
Tgt Ion:278 Resp: 32376

Ion Ratio Lower Upper

278 100

139 27.4 14.2 21.4#

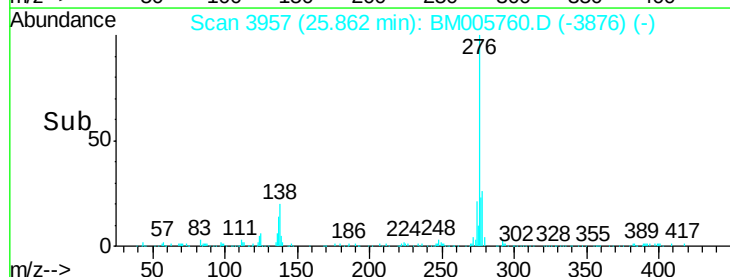
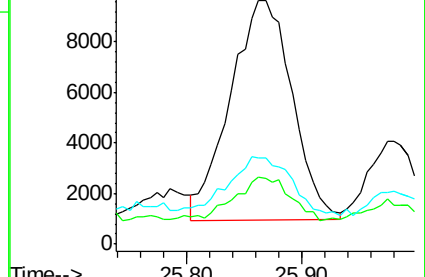
279 35.5 18.8 28.2#

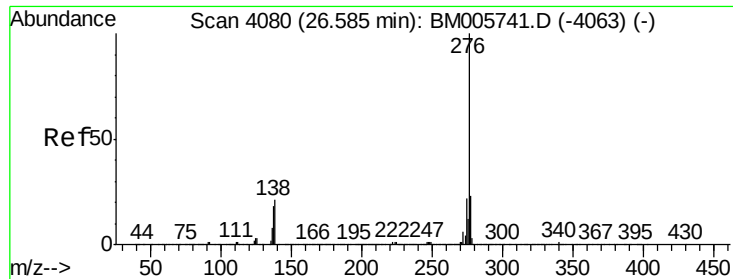


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 4.78 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. -0.01 min

Lab File: BM005760.D

Acq: 12 Jun 2016 22:03

Instrument :

BNA_M

ClientSampleId :

D9Y16

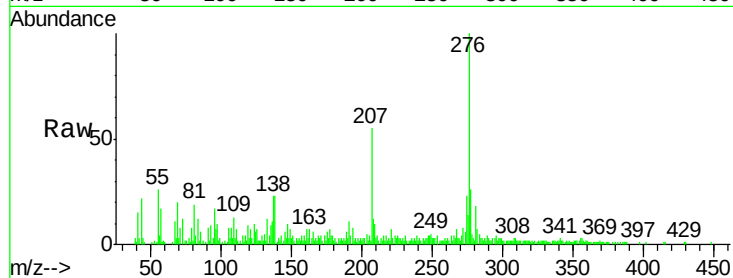
Tgt Ion: 276 Resp: 94001

Ion Ratio Lower Upper

276 100

138 23.0 18.2 27.4

277 26.0 19.5 29.3



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

