

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006631.D
 Acq On : 22 Jul 2016 19:14
 Operator : UM/SJ
 Sample : H4076-13MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP7MS

Quant Time: Jul 23 00:18:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	182973	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	815732	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	450121	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	996256	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1025116	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1054222	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	9998	2.21	ng/uL	0.00
3) Phenol-d5	6.80	99	434846	27.93	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	274277	28.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	341975	27.49	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	344867	28.57	ng/ul	0.00
8) Nitrobenzene-d5	8.78	128	170328	27.58	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	182932	27.86	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	329837	26.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	270994	19.83	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	955808	27.08	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1261566	28.01	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	157689	25.73	ng/ul	0.00
21) Fluorene-d10	15.27	176	863542	27.36	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	75174	14.54	ng/ul	0.00
26) Anthracene-d10	17.12	188	1298149	27.44	ng/ul	0.00
30) Pyrene-d10	19.43	212	1396794	29.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1353522	27.91	ng/ul	0.01

Target Compounds

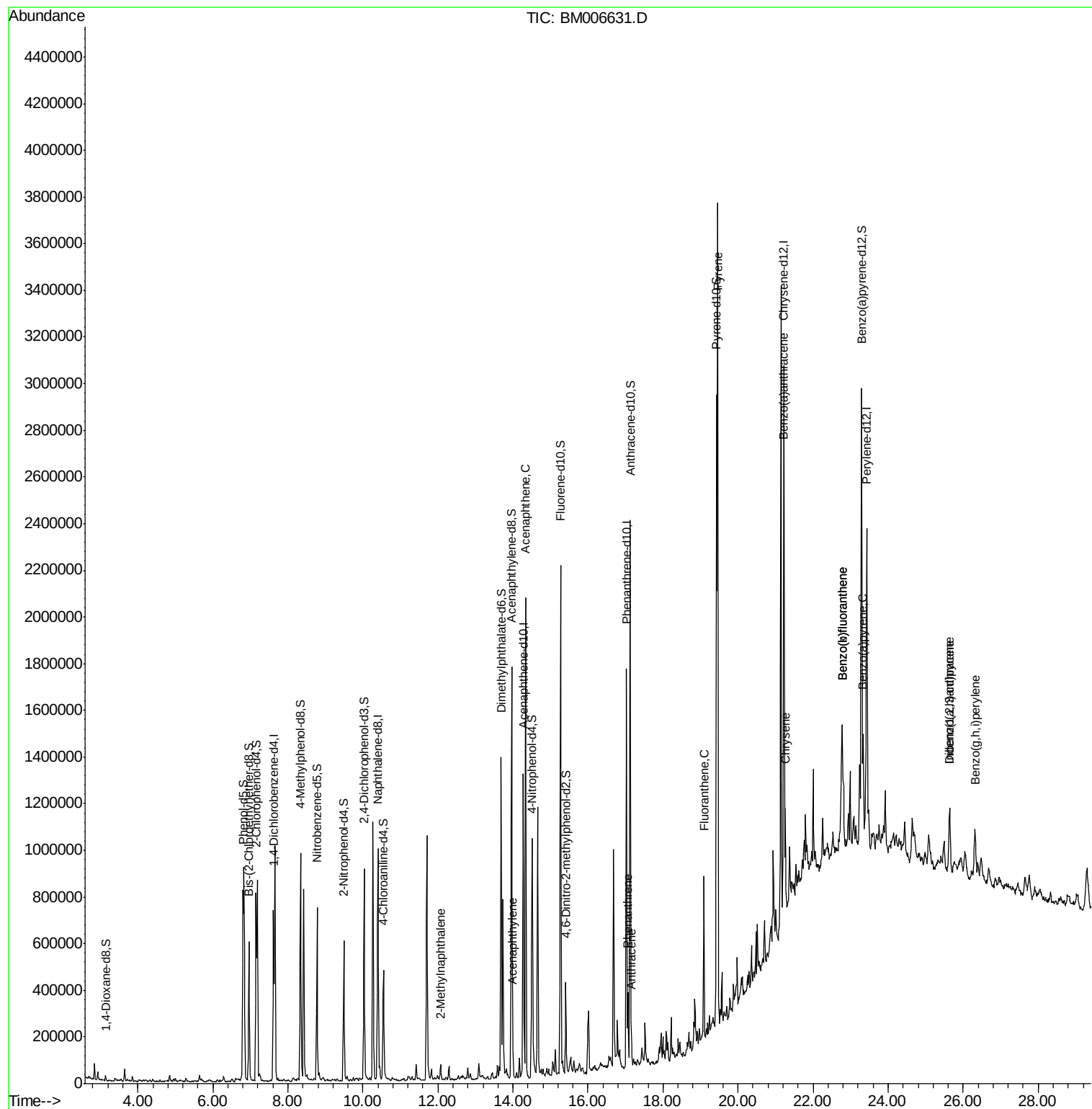
						Qvalue
13) 2-Methylnaphthalene	12.07	142	34041	1.10	ng/ul	95
18) Acenaphthylene	13.99	152	59918	1.24	ng/ul	95
19) Acenaphthene	14.33	153	844157	27.23	ng/ul	94
25) Phenanthrene	17.06	178	193231	3.45	ng/ul	99
27) Anthracene	17.16	178	70277	1.22	ng/ul	95
28) Fluoranthene	19.09	202	397790	6.04	ng/ul	99
31) Pyrene	19.46	202	2104239	33.90	ng/ul	97
32) Benzo(a)anthracene	21.21	228	234778	3.78	ng/ul#	92
33) Chrysene	21.26	228	277323	4.84	ng/ul	94
35) Benzo(b)fluoranthene	22.77	252	478803	7.58	ng/ul	99
36) Benzo(k)fluoranthene	22.77	252	478803	7.84	ng/ul	98
38) Benzo(a)pyrene	23.33	252	286959	4.67	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.64	276	258391	3.63	ng/ul	96
40) Dibenzo(a,h)anthracene	25.64	278	73706	1.25	ng/ul#	75
41) Benzo(g,h,i)perylene	26.32	276	250401	4.10	ng/ul#	94

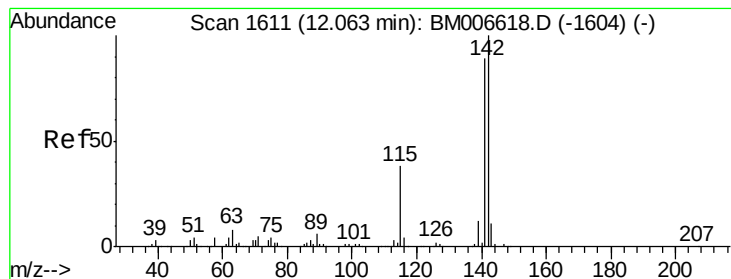
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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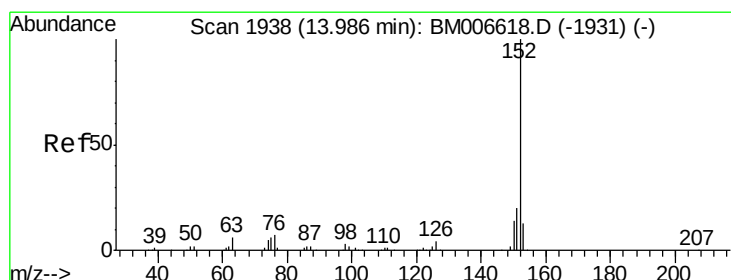
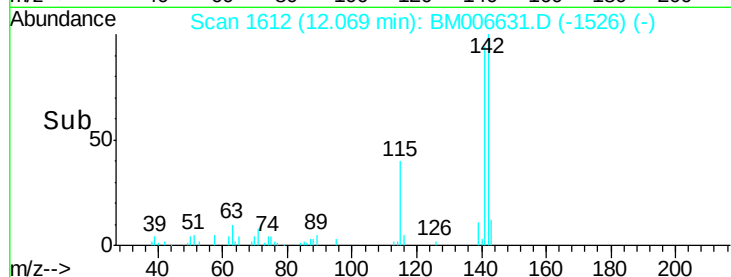
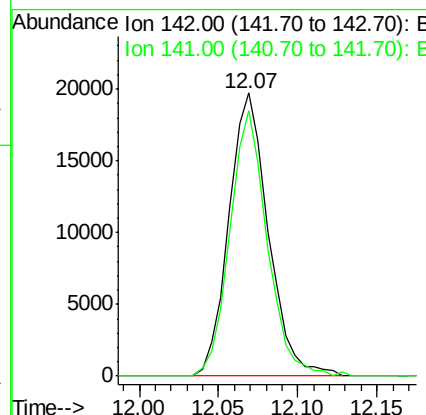
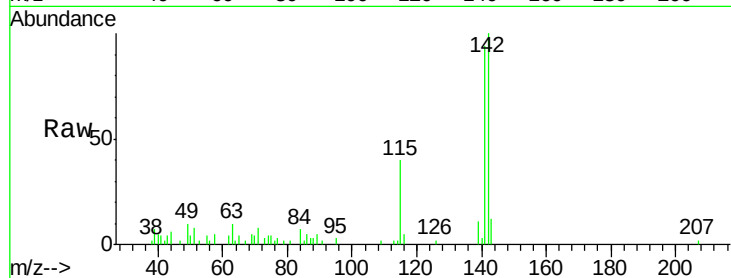




#13
2-Methylnaphthalene
Concen: 1.10 ng/ul
RT: 12.07 min Scan# 1612
Delta R.T. 0.01 min
Lab File: BM006631.D
Acq: 22 Jul 2016 19:14

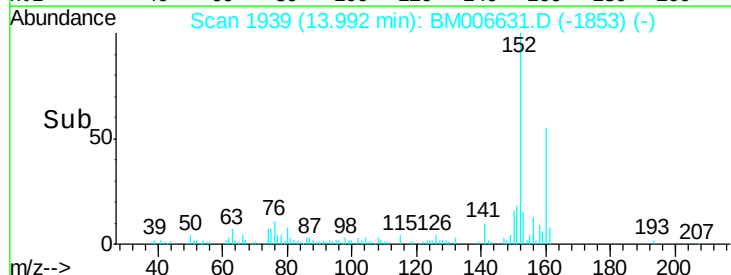
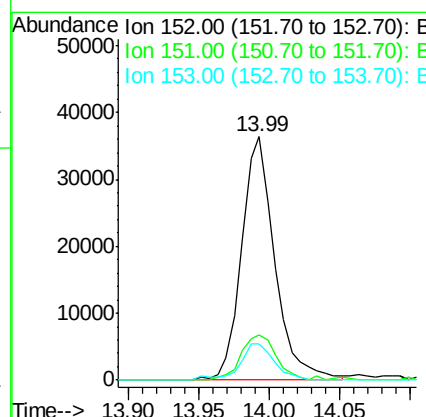
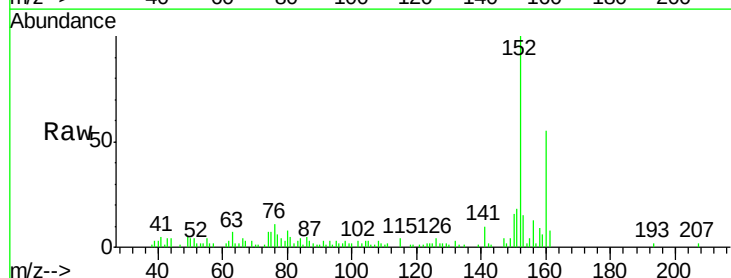
Instrument :
BNA_M
ClientSampleId :
D9YP7MS

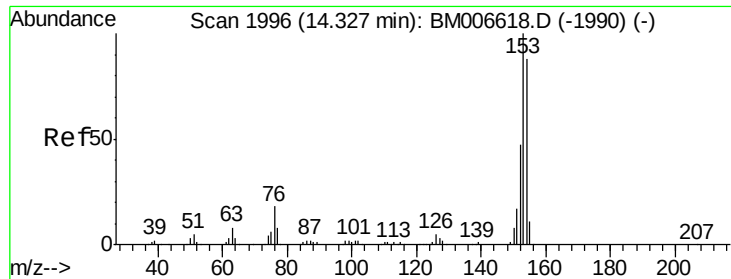
Tgt Ion:142 Resp: 34041
Ion Ratio Lower Upper
142 100
141 93.7 71.3 106.9



#18
Acenaphthylene
Concen: 1.24 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006631.D
Acq: 22 Jul 2016 19:14

Tgt Ion:152 Resp: 59918
Ion Ratio Lower Upper
152 100
151 18.4 17.3 25.9
153 15.1 11.1 16.7





#19

Acenaphthene

Concen: 27.23 ng/ul

RT: 14.33 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

Instrument :

BNA_M

ClientSampleId :

D9YP7MS

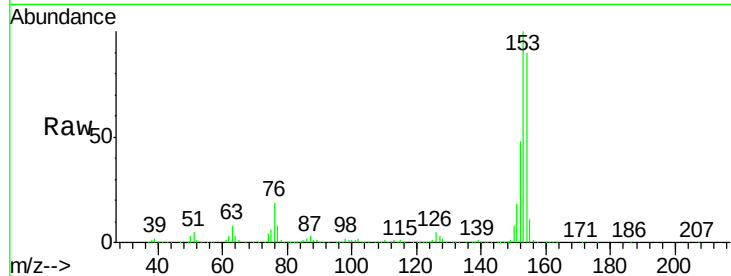
Tgt Ion:153 Resp: 844157

Ion Ratio Lower Upper

153 100

152 47.6 36.5 54.7

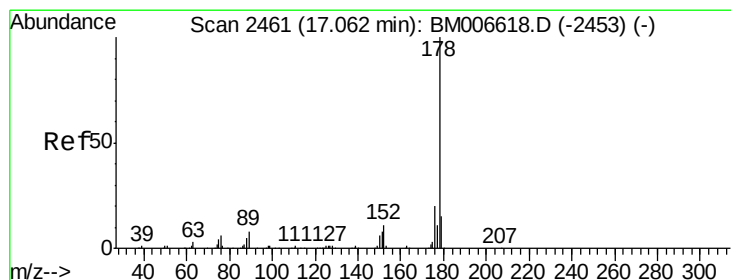
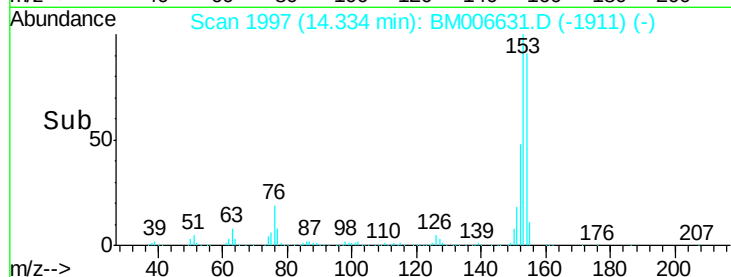
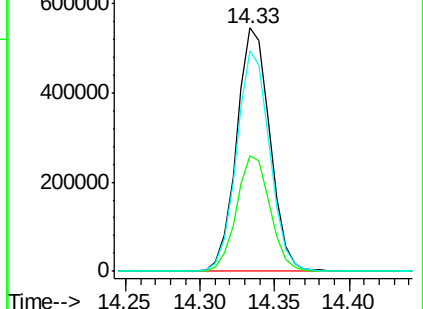
154 90.4 67.3 100.9



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



#25

Phenanthrene

Concen: 3.45 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

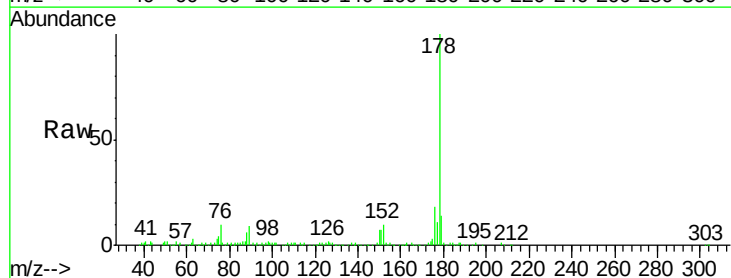
Tgt Ion:178 Resp: 193231

Ion Ratio Lower Upper

178 100

179 14.4 11.8 17.8

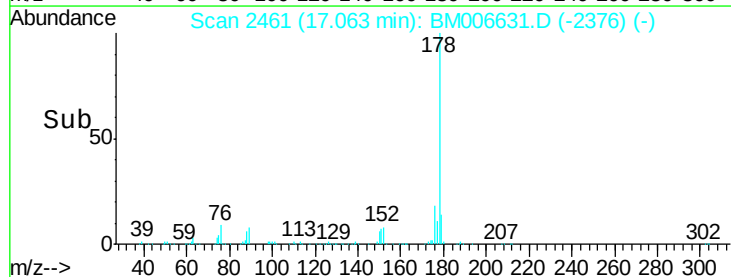
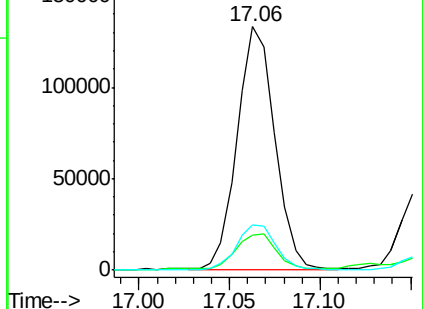
176 18.4 14.8 22.2

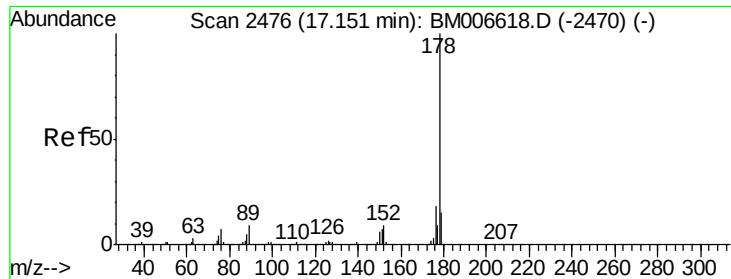


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

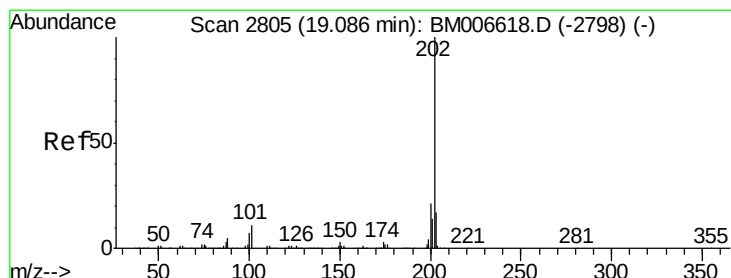
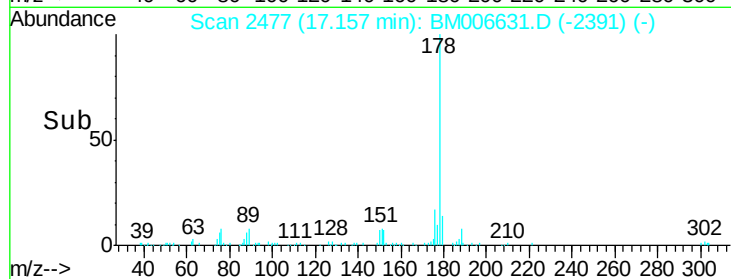
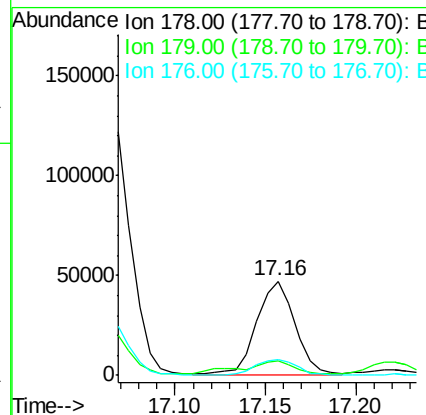
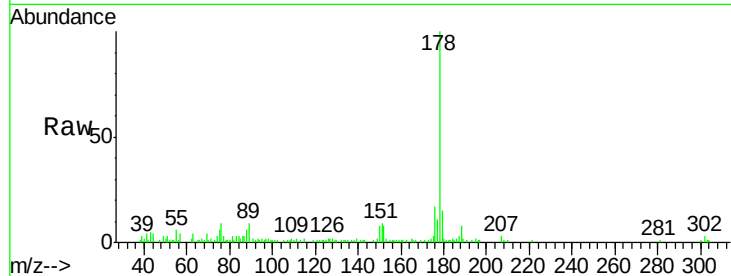




#27
 Anthracene
 Concen: 1.22 ng/ul
 RT: 17.16 min Scan# 2477
 Delta R.T. 0.01 min
 Lab File: BM006631.D
 Acq: 22 Jul 2016 19:14

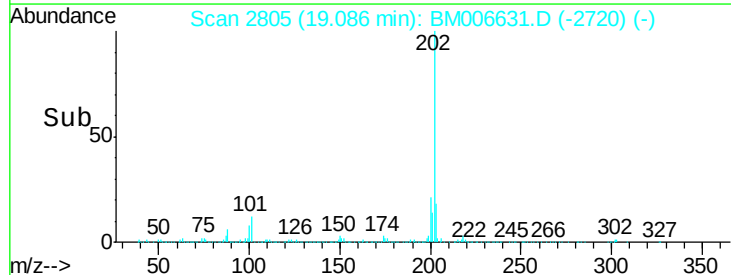
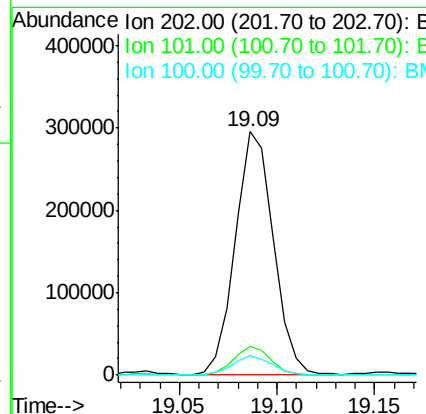
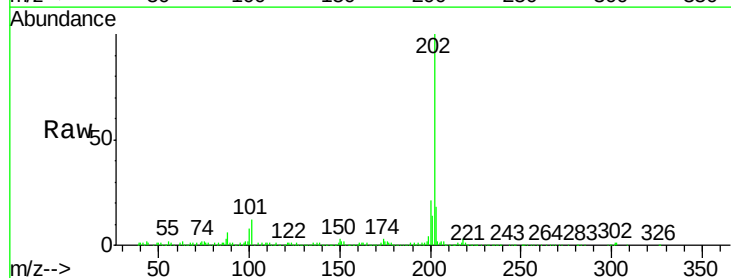
Instrument :
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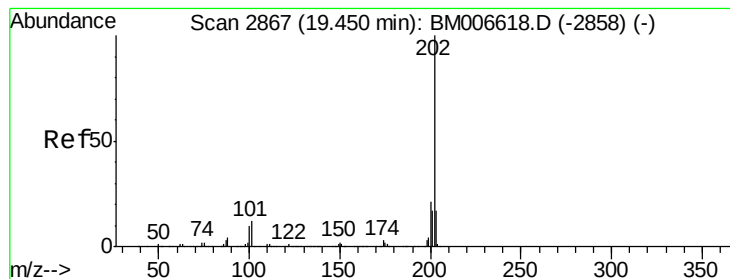
Tgt Ion:178 Resp: 70277
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.9 19.3
 176 16.7 15.6 23.4



#28
 Fluoranthene
 Concen: 6.04 ng/ul
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.00 min
 Lab File: BM006631.D
 Acq: 22 Jul 2016 19:14

Tgt Ion:202 Resp: 397790
 Ion Ratio Lower Upper
 202 100
 101 11.6 8.9 13.3
 100 8.3 7.0 10.4





#31

Pyrene

Concen: 33.90 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

Instrument :

BNA_M

ClientSampleId :

D9YP7MS

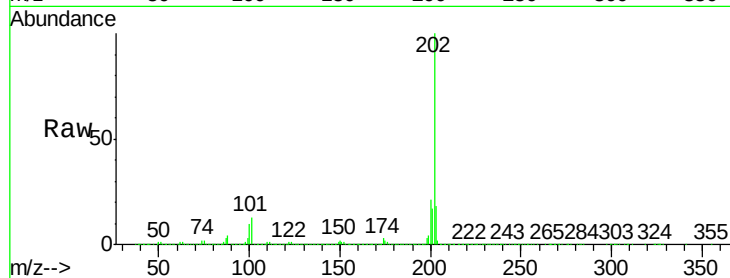
Tgt Ion:202 Resp: 2104239

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.8

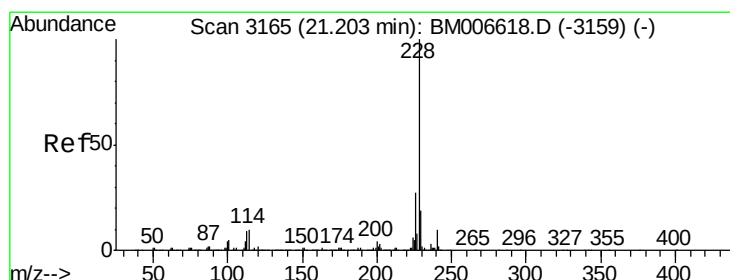
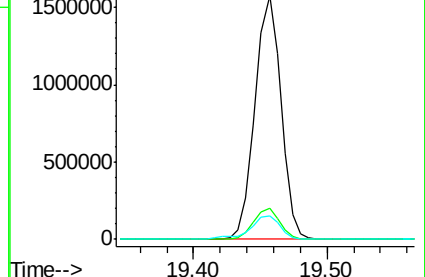
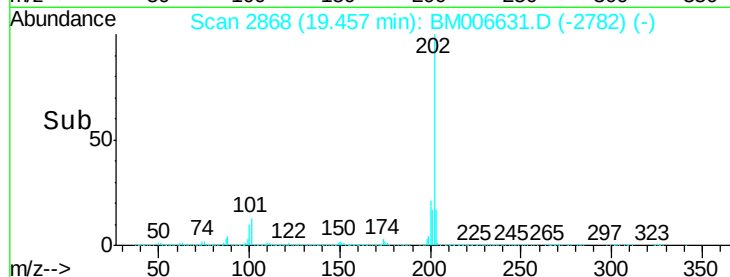
100 9.6 9.3 13.9



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



#32

Benzo(a)anthracene

Concen: 3.78 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

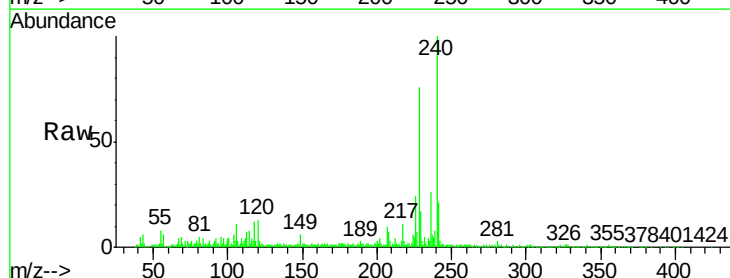
Tgt Ion:228 Resp: 234778

Ion Ratio Lower Upper

228 100

229 22.6 16.6 25.0

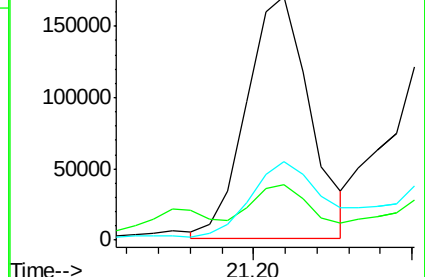
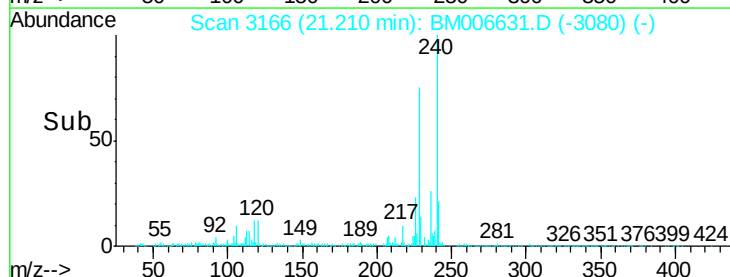
226 32.3 21.0 31.4#

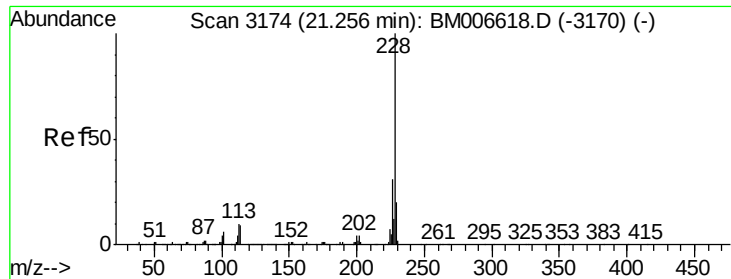


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.84 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

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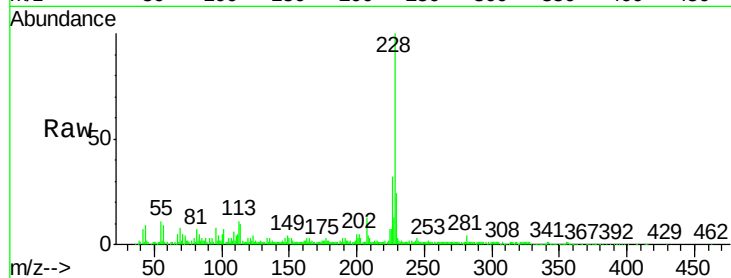
Tgt Ion:228 Resp: 277323

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.2

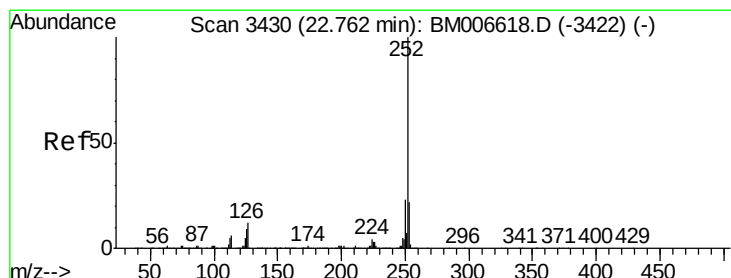
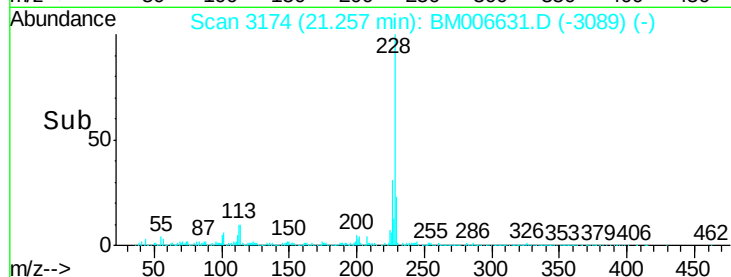
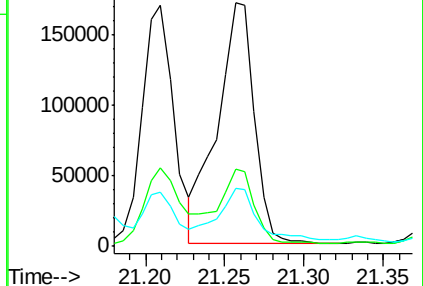
229 23.8 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 7.58 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

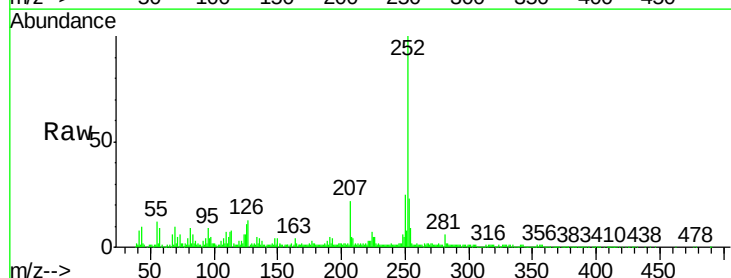
Tgt Ion:252 Resp: 478803

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

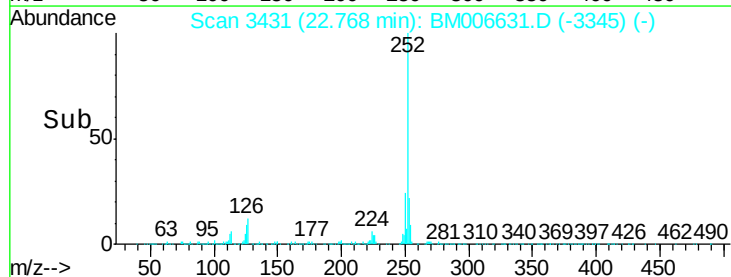
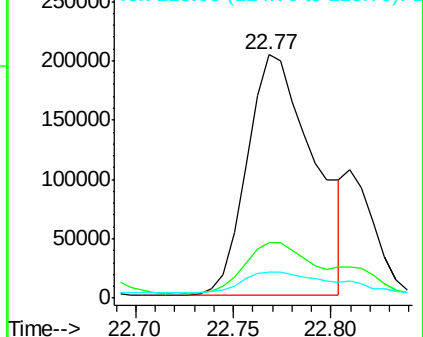
125 10.7 7.6 11.4

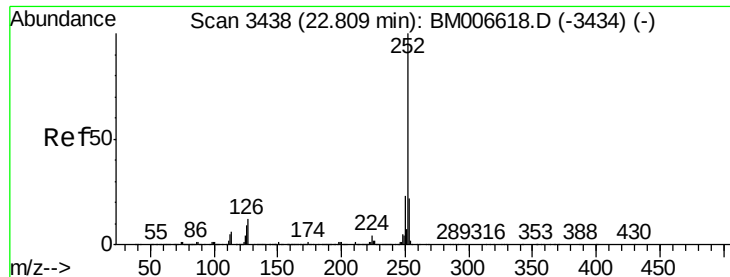


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

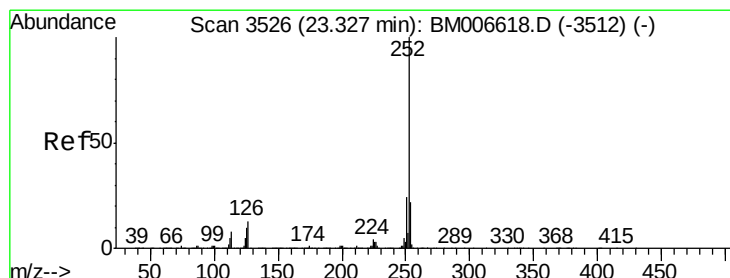
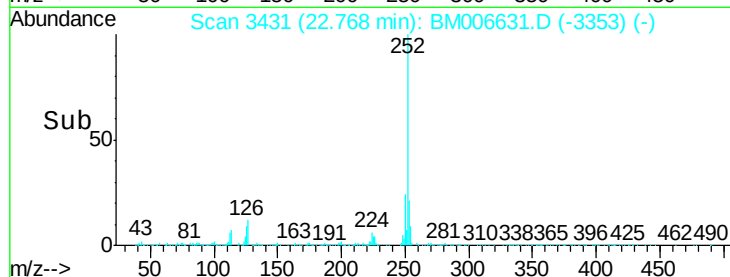
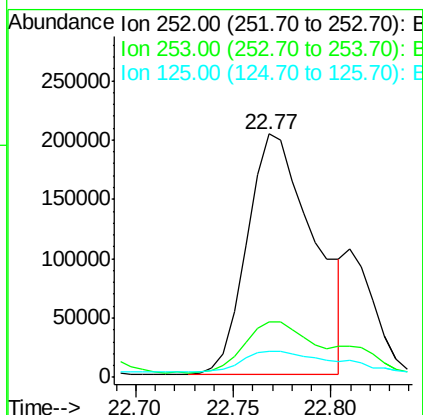
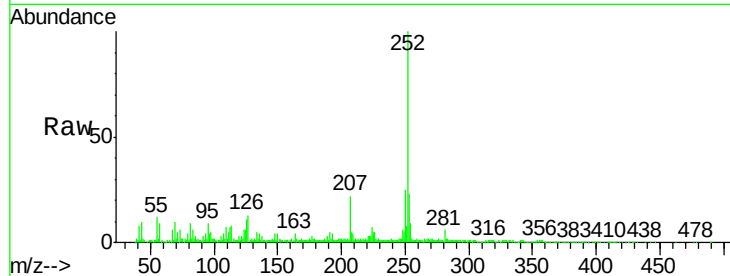




#36
Benzo(k)fluoranthene
Concen: 7.84 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. -0.04 min
Lab File: BM006631.D
Acq: 22 Jul 2016 19:14

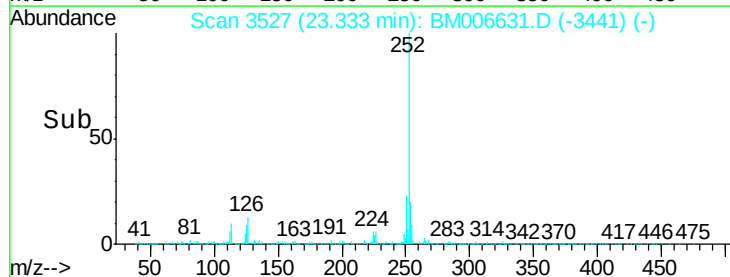
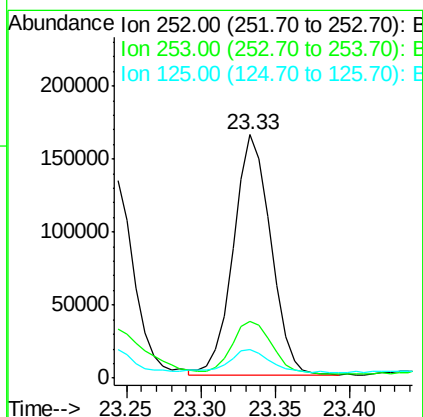
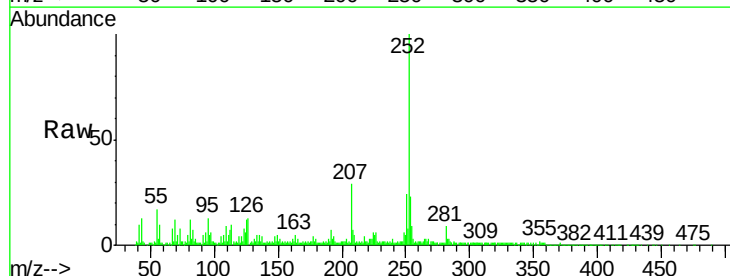
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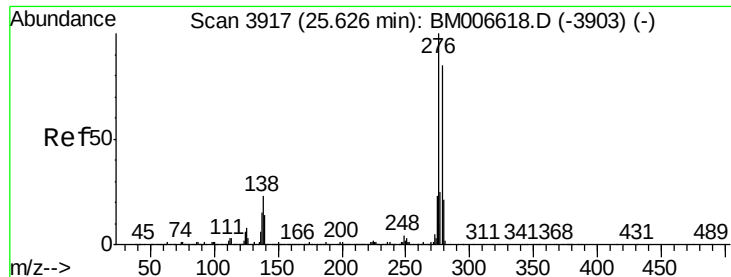
Tgt Ion:252 Resp: 478803
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.7 7.7 11.5



#38
Benzo(a)pyrene
Concen: 4.67 ng/ul
RT: 23.33 min Scan# 3527
Delta R.T. 0.01 min
Lab File: BM006631.D
Acq: 22 Jul 2016 19:14

Tgt Ion:252 Resp: 286959
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.5 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.63 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

Instrument :

BNA_M

ClientSampleId :

D9YP7MS

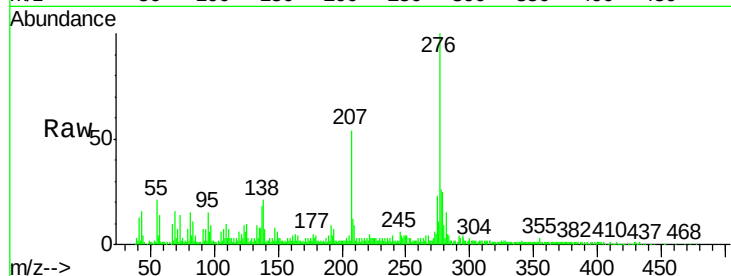
Tgt Ion: 276 Resp: 258391

Ion Ratio Lower Upper

276 100

138 20.8 15.8 23.6

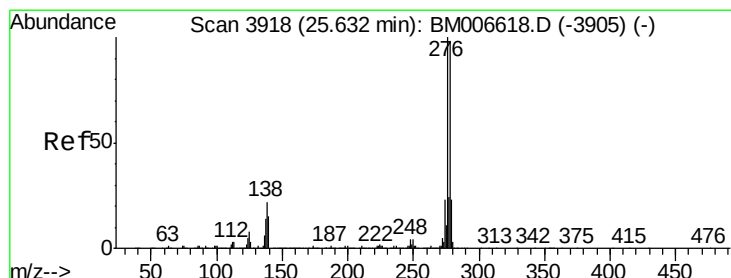
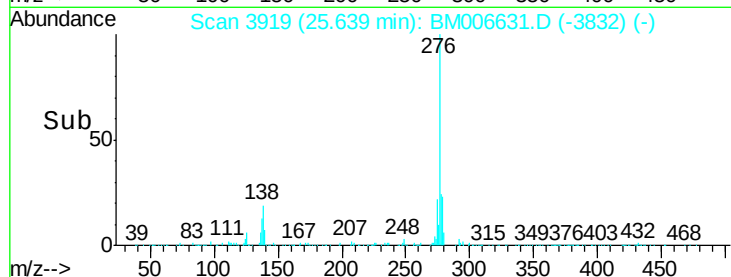
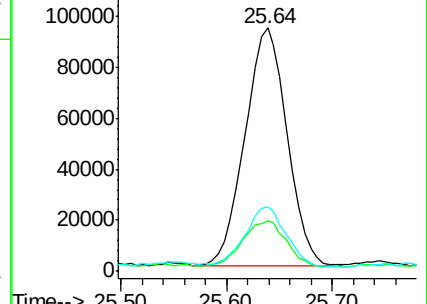
277 26.3 19.0 28.6



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: 1.25 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

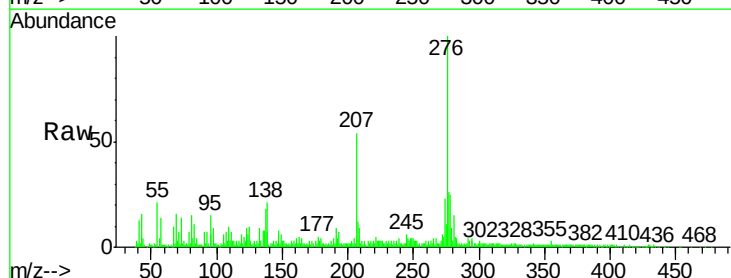
Tgt Ion: 278 Resp: 73706

Ion Ratio Lower Upper

278 100

139 27.8 12.1 18.1#

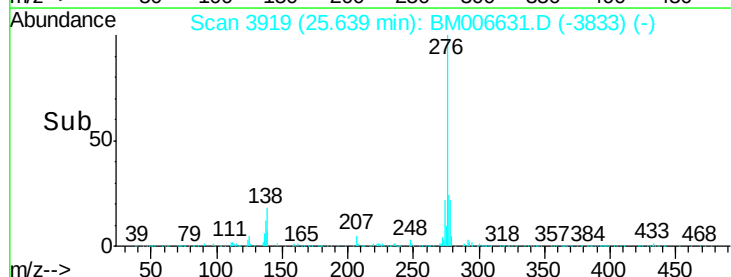
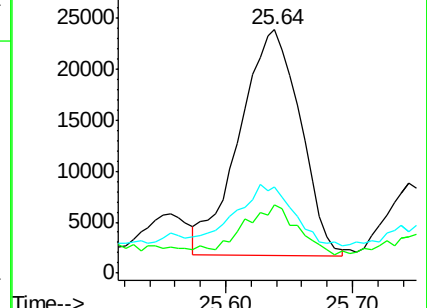
279 35.5 19.8 29.8#

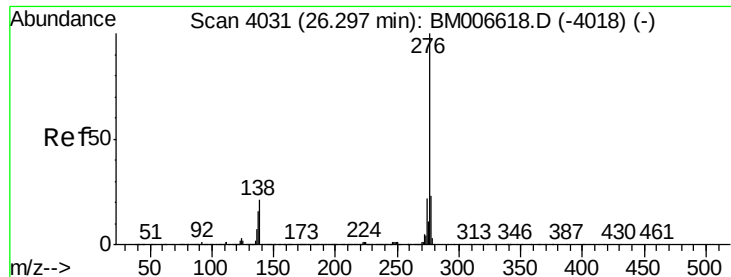


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.10 ng/ul

RT: 26.32 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM006631.D

Acq: 22 Jul 2016 19:14

Instrument :

BNA_M

ClientSampleId :

D9YP7MS

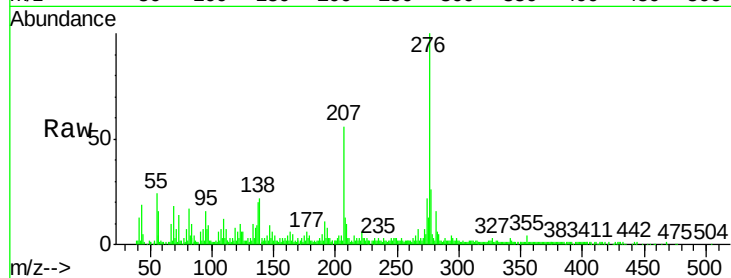
Tgt Ion: 276 Resp: 250401

Ion Ratio Lower Upper

276 100

138 22.3 13.9 20.9#

277 25.5 19.8 29.6



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

