

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006630.D
 Acq On : 22 Jul 2016 18:36
 Operator : UM/SJ
 Sample : H4076-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP7

Quant Time: Jul 23 00:18:41 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	184091	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	811995	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	458536	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1026412	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1068192	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1099397	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8944	1.96	ng/uL	0.00
3) Phenol-d5	6.80	99	411600	26.28	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	241357	24.88	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	313043	25.01	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	328598	27.05	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	151623	24.67	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	169108	25.87	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	319287	25.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	264017	19.41	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	941751	26.19	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1225977	26.72	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	161683	25.89	ng/ul	0.00
21) Fluorene-d10	15.27	176	858018	26.68	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	91812	17.23	ng/ul	0.00
26) Anthracene-d10	17.12	188	1327635	27.24	ng/ul	0.00
30) Pyrene-d10	19.43	212	1440485	29.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1406214	27.81	ng/ul	0.01

Target Compounds

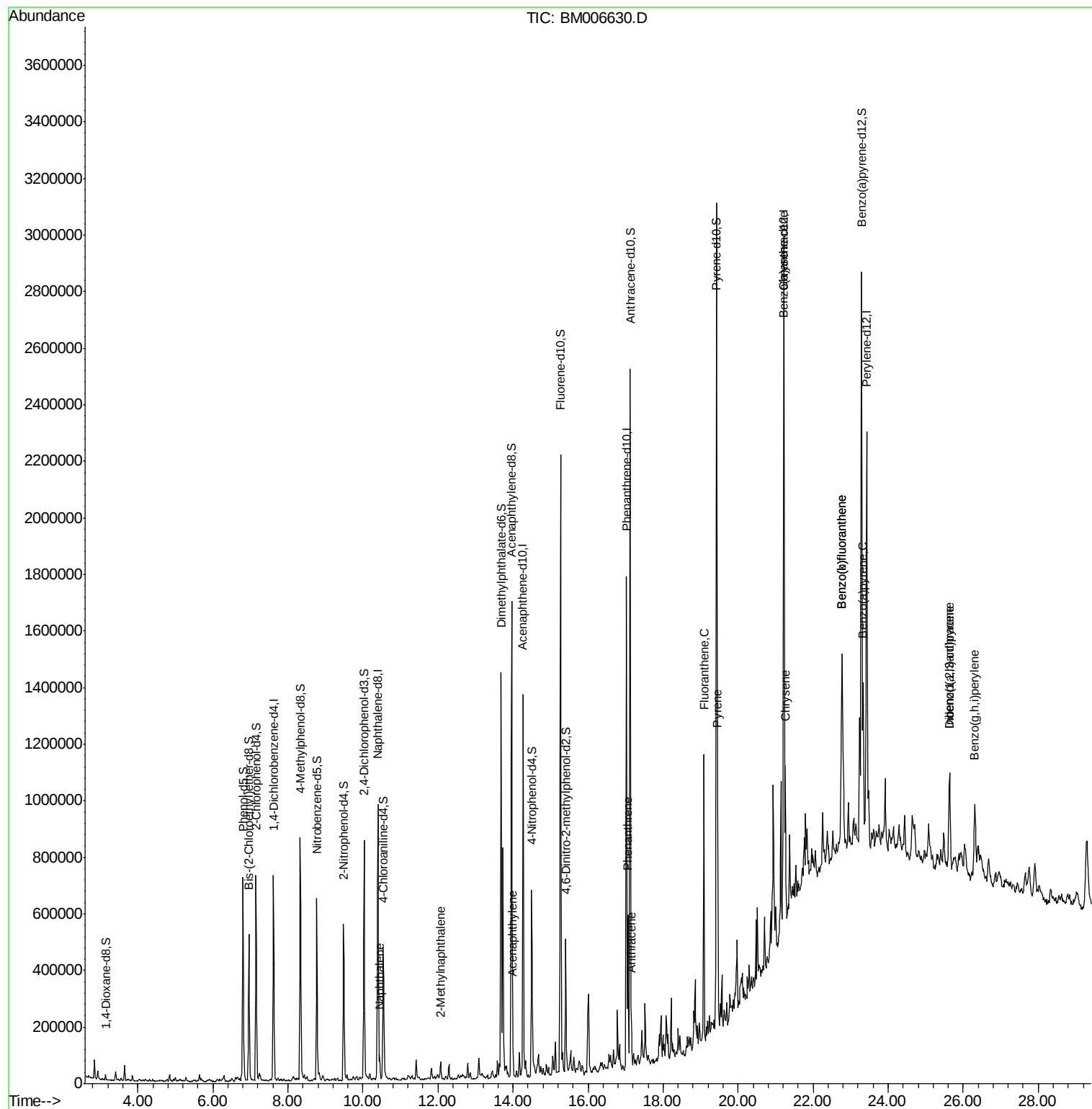
						Qvalue
11) Naphthalene	10.45	128	57310	1.37	ng/ul	98
13) 2-Methylnaphthalene	12.07	142	32442	1.06	ng/ul	100
18) Acenaphthylene	13.99	152	58263	1.19	ng/ul	99
25) Phenanthrene	17.06	178	317204	5.50	ng/ul	98
27) Anthracene	17.16	178	93774	1.58	ng/ul	99
28) Fluoranthene	19.09	202	579882	8.55	ng/ul	99
31) Pyrene	19.46	202	509634	7.88	ng/ul#	97
32) Benzo(a)anthracene	21.21	228	322099	4.98	ng/ul	95
33) Chrysene	21.26	228	350174	5.87	ng/ul	95
35) Benzo(b)fluoranthene	22.77	252	578982	8.79	ng/ul	98
36) Benzo(k)fluoranthene	22.77	252	578982	9.09	ng/ul	98
38) Benzo(a)pyrene	23.33	252	368107	5.74	ng/ul	95
39) Indeno(1,2,3-cd)pyrene	25.64	276	321433	4.33	ng/ul	97
40) Dibenzo(a,h)anthracene	25.63	278	85749	1.39	ng/ul#	83
41) Benzo(g,h,i)perylene	26.31	276	315300	4.95	ng/ul	96

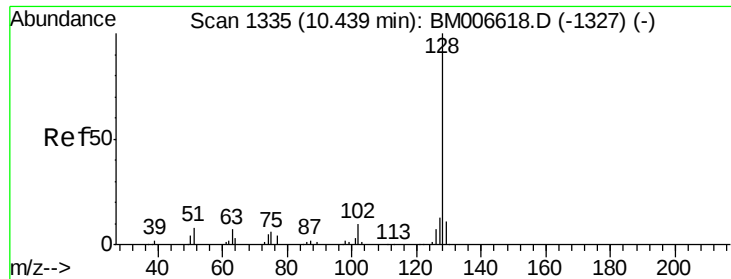
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
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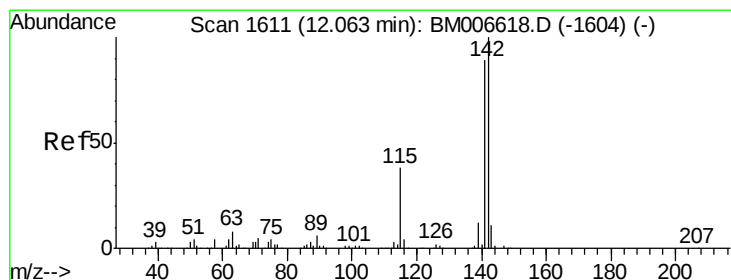
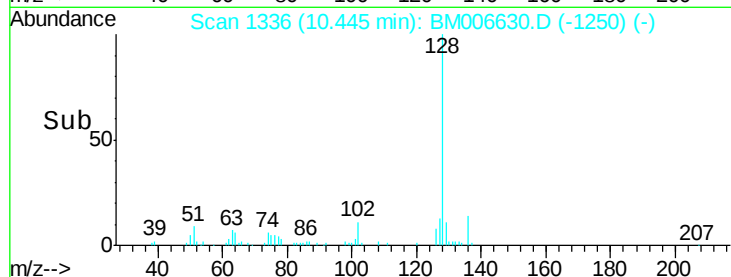
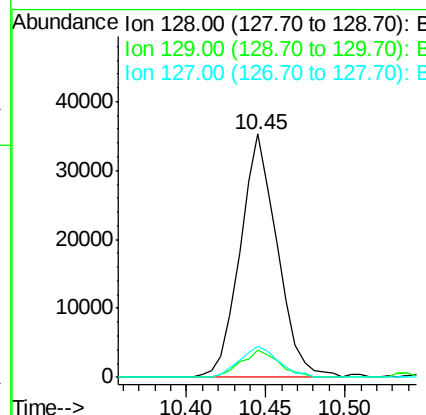
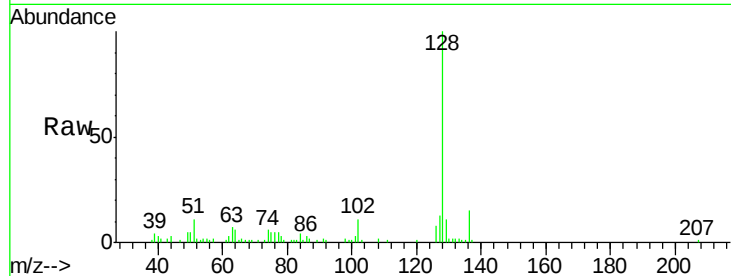




#11
Naphthalene
Concen: 1.37 ng/ul
RT: 10.45 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

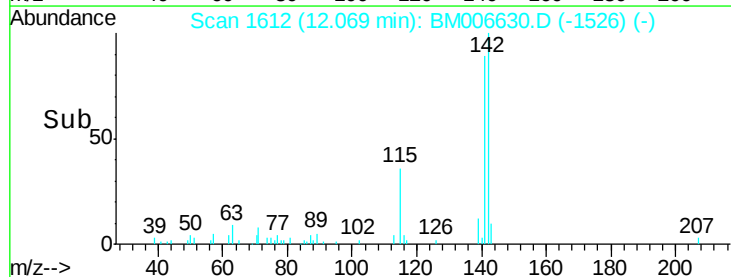
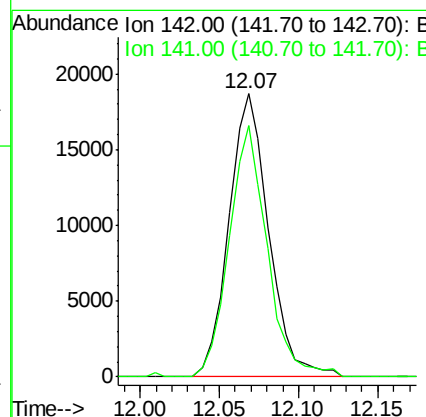
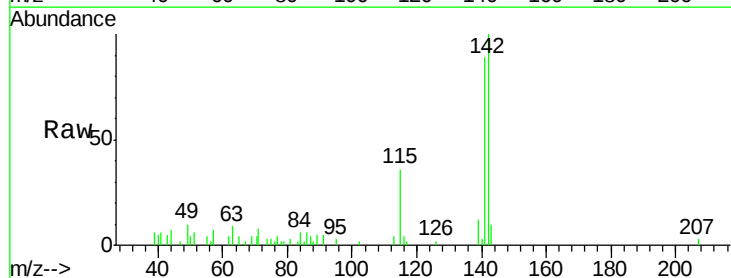
Instrument :
BNA_M
ClientSampleId :
D9YP7

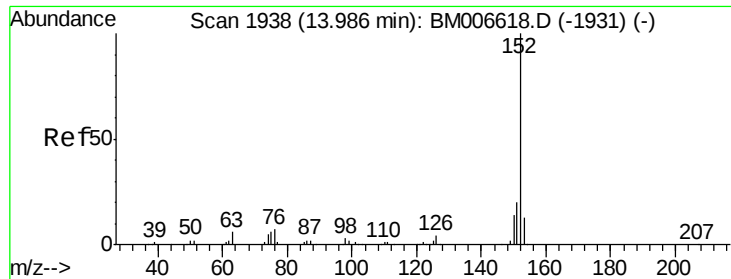
Tgt Ion:128 Resp: 57310
Ion Ratio Lower Upper
128 100
129 11.3 8.3 12.5
127 12.6 10.8 16.2



#13
2-Methylnaphthalene
Concen: 1.06 ng/ul
RT: 12.07 min Scan# 1612
Delta R.T. 0.01 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

Tgt Ion:142 Resp: 32442
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

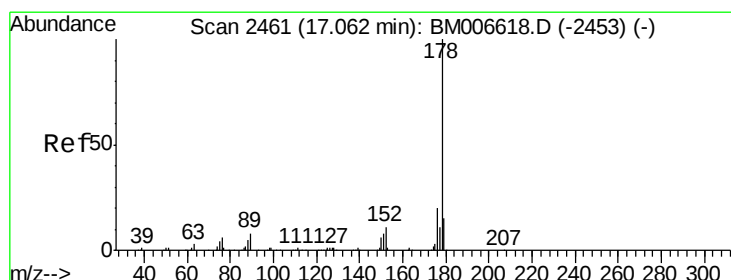
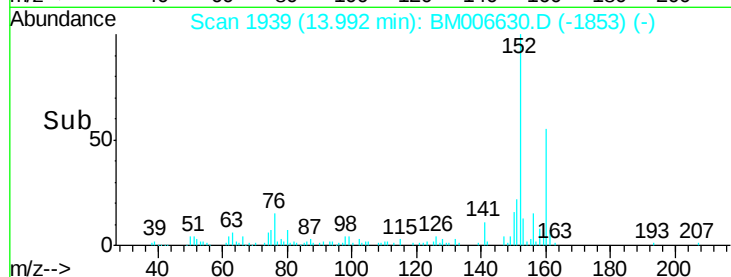
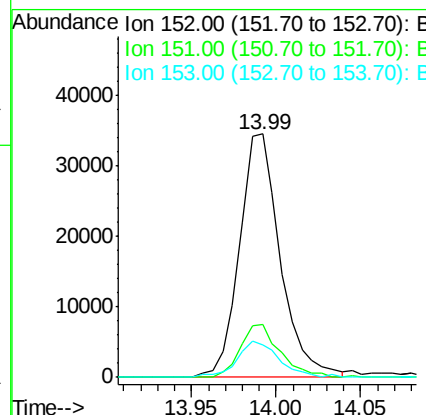
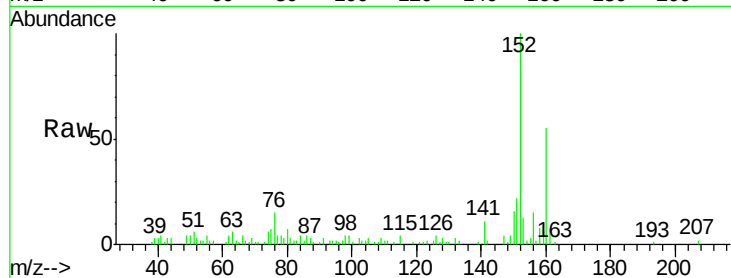




#18
Acenaphthylene
Concen: 1.19 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

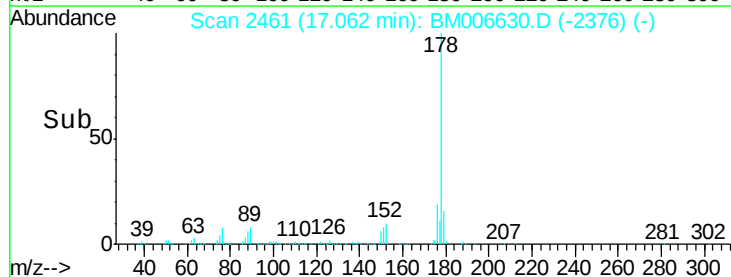
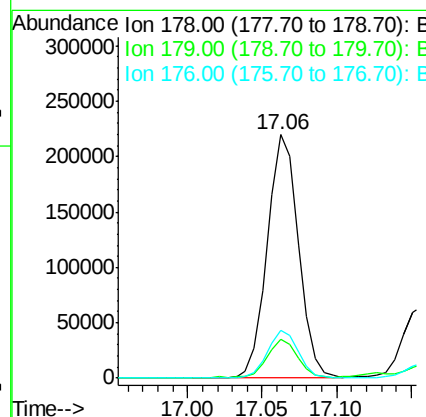
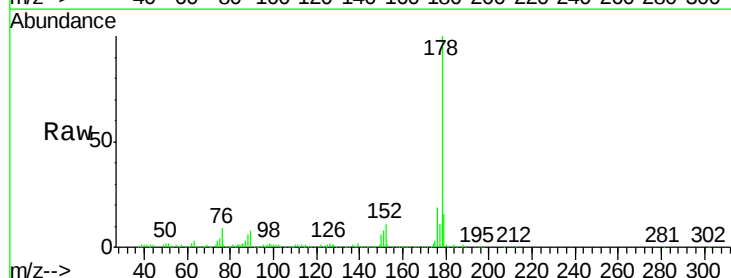
Instrument :
BNA_M
ClientSampleId :
D9YP7

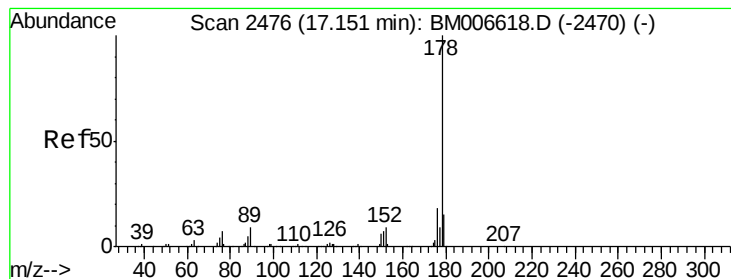
Tgt Ion:152 Resp: 58263
Ion Ratio Lower Upper
152 100
151 21.9 17.3 25.9
153 13.4 11.1 16.7



#25
Phenanthrene
Concen: 5.50 ng/ul
RT: 17.06 min Scan# 2461
Delta R.T. -0.00 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

Tgt Ion:178 Resp: 317204
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.8
176 19.4 14.8 22.2





#27

Anthracene

Concen: 1.58 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9YP7

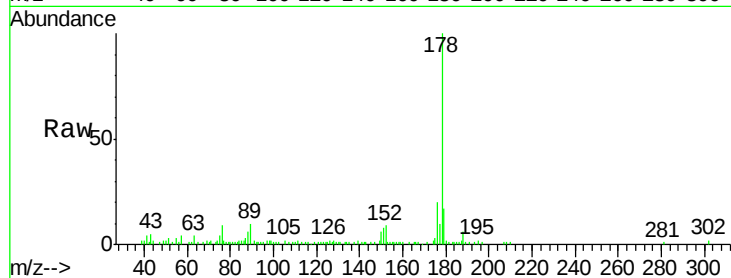
Tgt Ion:178 Resp: 93774

Ion Ratio Lower Upper

178 100

179 16.9 12.9 19.3

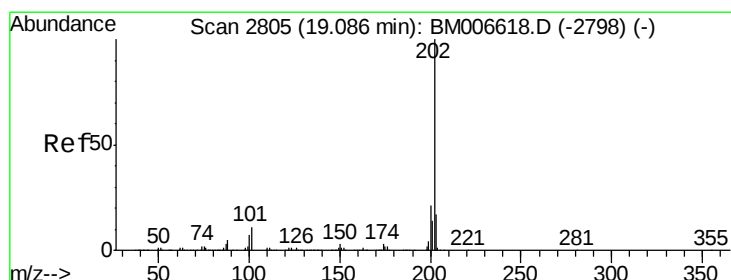
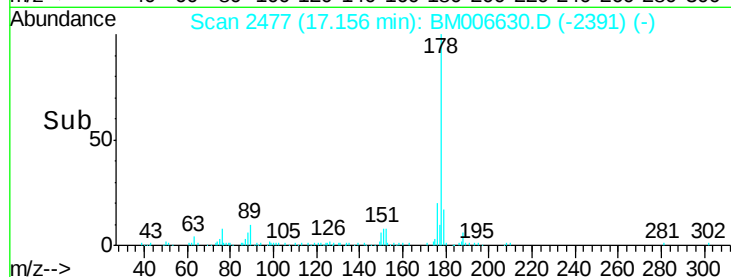
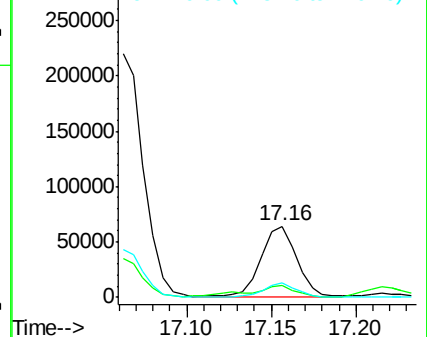
176 19.9 15.6 23.4



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: 8.55 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

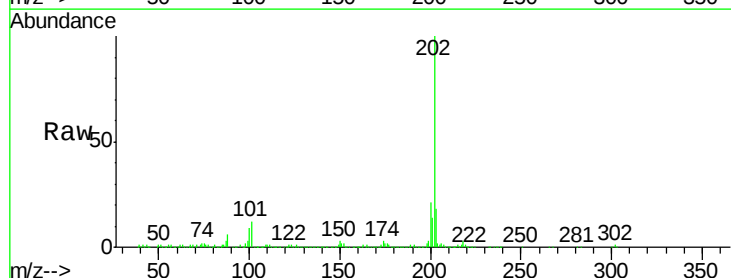
Tgt Ion:202 Resp: 579882

Ion Ratio Lower Upper

202 100

101 12.0 8.9 13.3

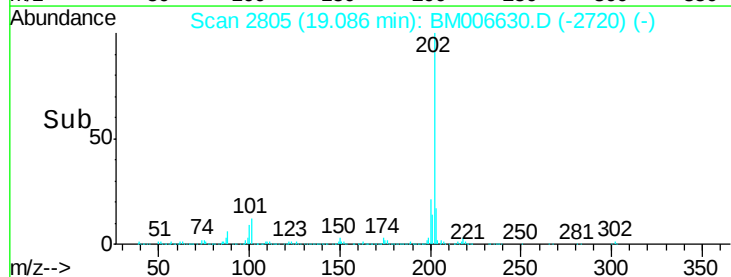
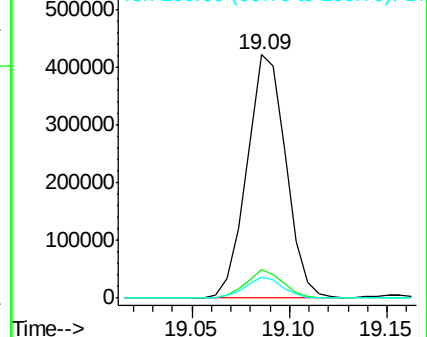
100 8.6 7.0 10.4

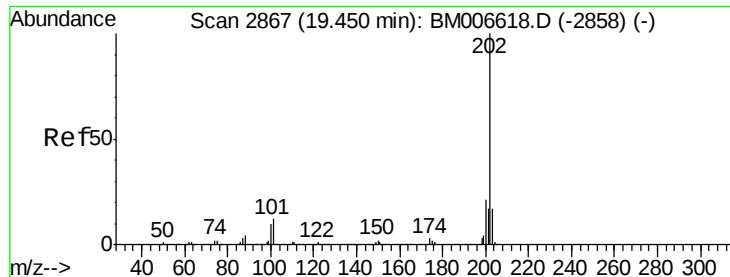


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

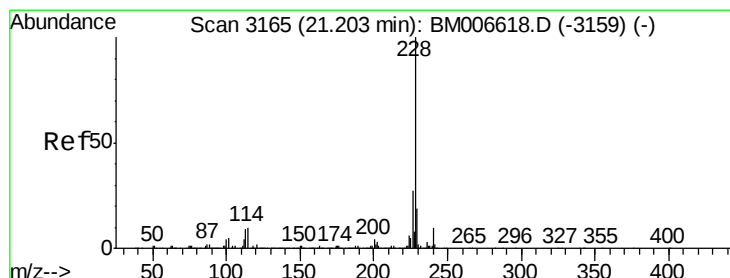
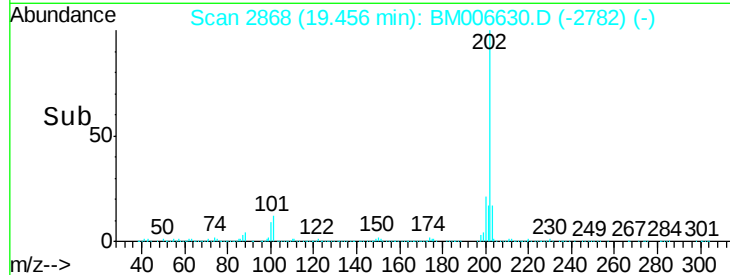
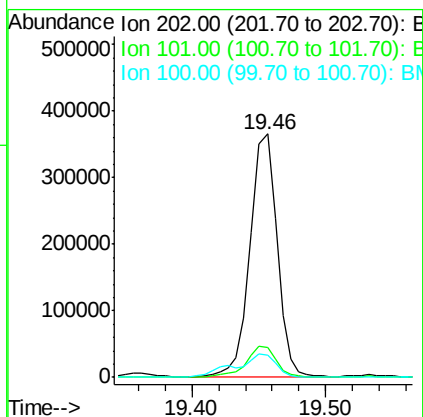
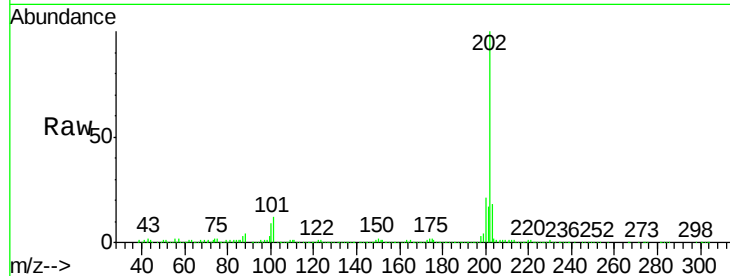




#31
 Pyrene
 Concen: 7.88 ng/ul
 RT: 19.46 min Scan# 2868
 Delta R.T. 0.01 min
 Lab File: BM006630.D
 Acq: 22 Jul 2016 18:36

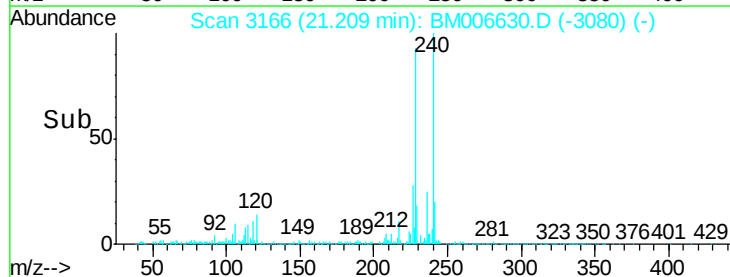
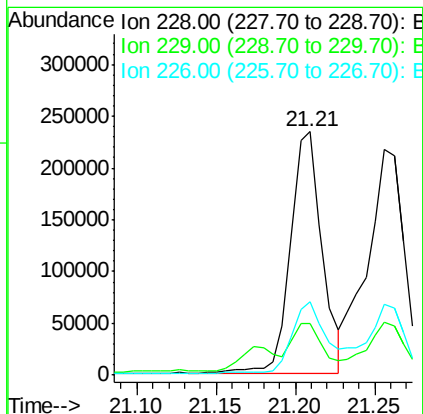
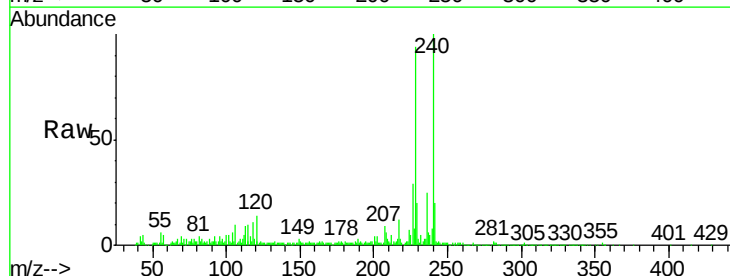
Instrument :
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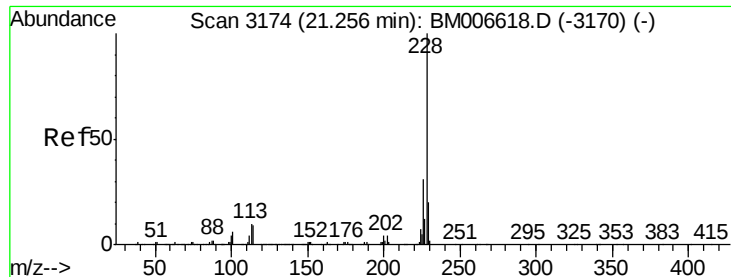
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
100	9.2	9.3	13.9#



#32
 Benzo(a)anthracene
 Concen: 4.98 ng/ul
 RT: 21.21 min Scan# 3166
 Delta R.T. 0.01 min
 Lab File: BM006630.D
 Acq: 22 Jul 2016 18:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	30.4	21.0	31.4





#33

Chrysene

Concen: 5.87 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9YP7

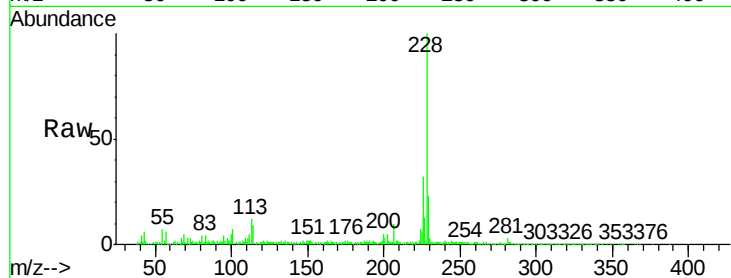
Tgt Ion:228 Resp: 350174

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.2

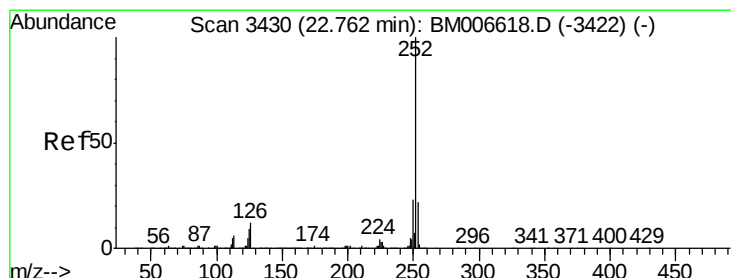
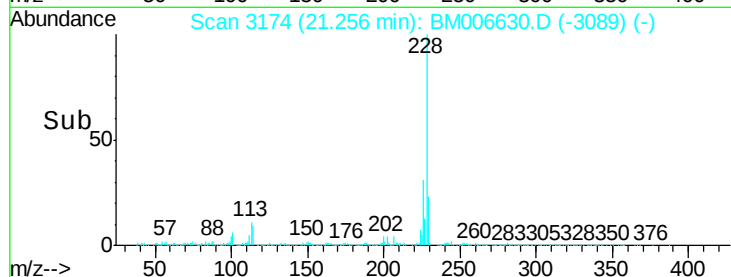
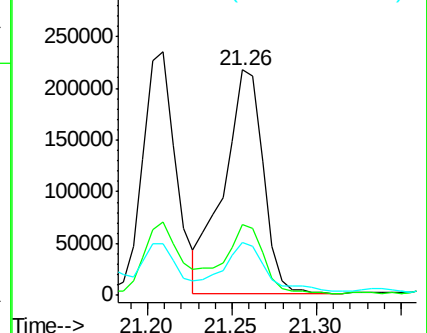
229 23.5 16.2 24.2



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: 8.79 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

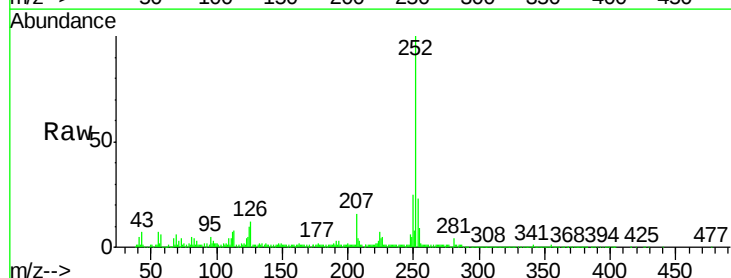
Tgt Ion:252 Resp: 578982

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

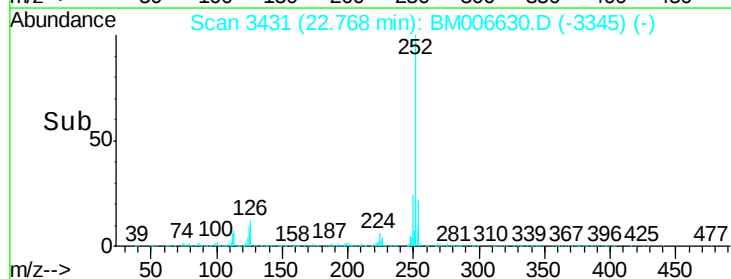
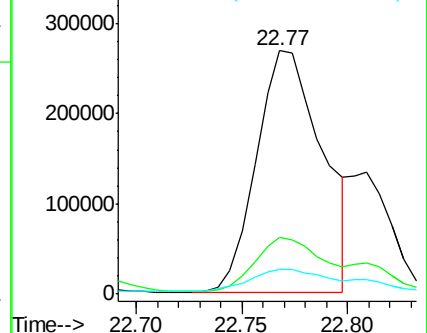
125 10.3 7.6 11.4

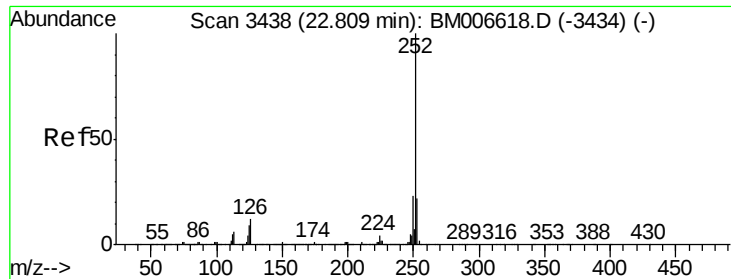


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

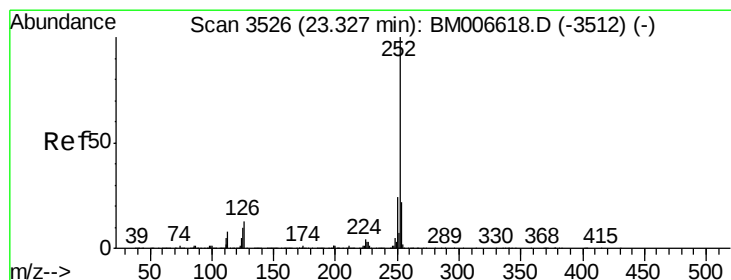
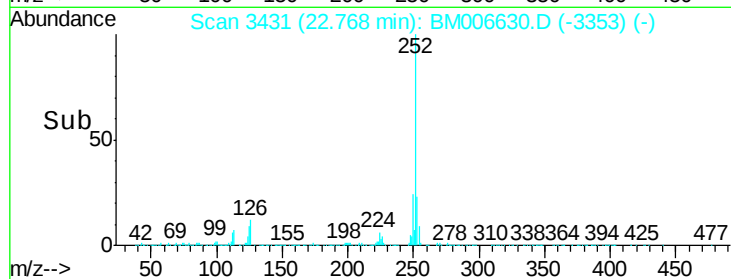
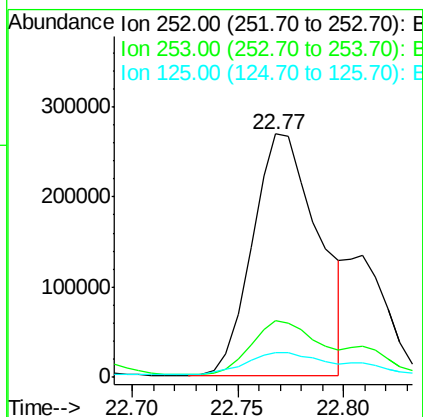
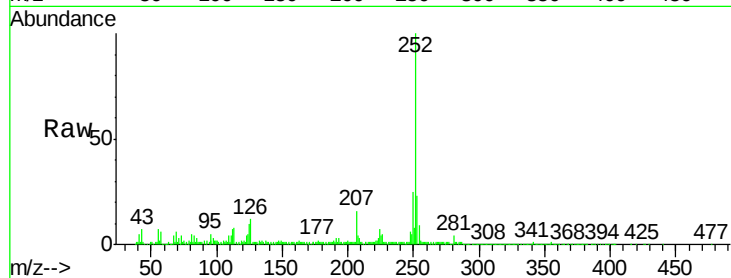




#36
Benzo(k)fluoranthene
Concen: 9.09 ng/u1
RT: 22.77 min Scan# 3431
Delta R.T. -0.04 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

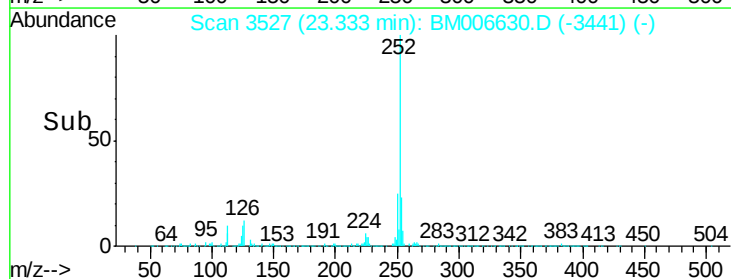
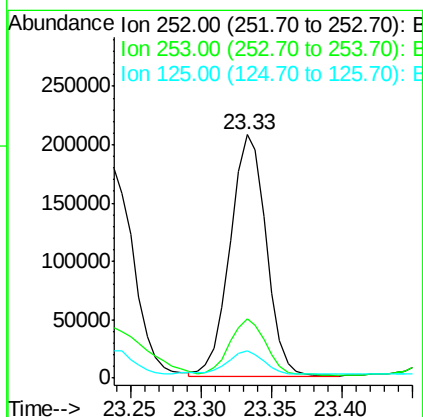
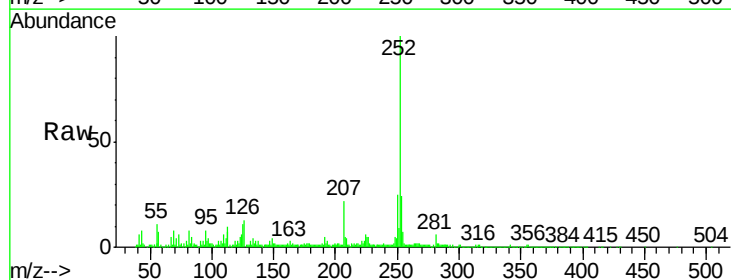
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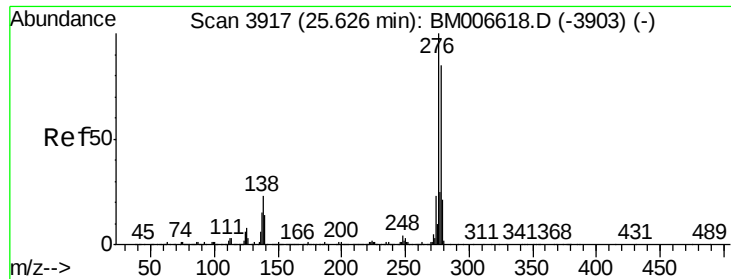
Tgt Ion:252 Resp: 578982
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.3 7.7 11.5



#38
Benzo(a)pyrene
Concen: 5.74 ng/u1
RT: 23.33 min Scan# 3527
Delta R.T. 0.01 min
Lab File: BM006630.D
Acq: 22 Jul 2016 18:36

Tgt Ion:252 Resp: 368107
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 11.0 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.33 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9YP7

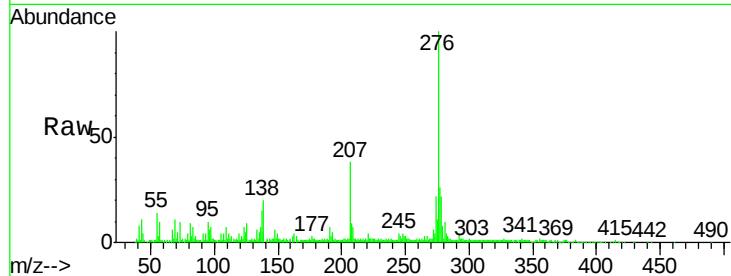
Tgt Ion:276 Resp: 321433

Ion Ratio Lower Upper

276 100

138 19.7 15.8 23.6

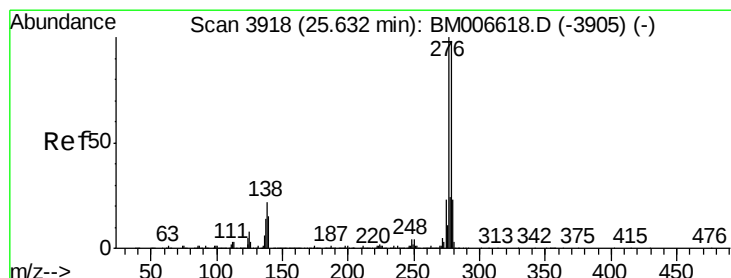
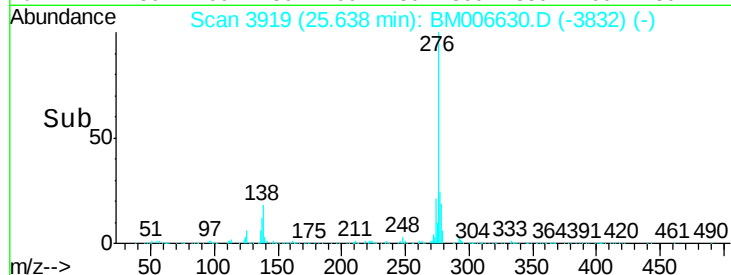
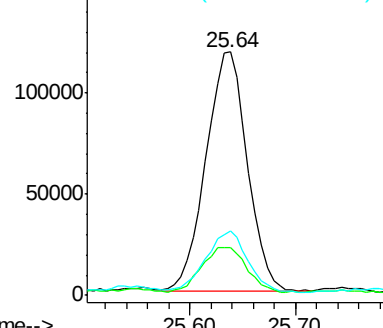
277 26.2 19.0 28.6



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: 1.39 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. -0.00 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

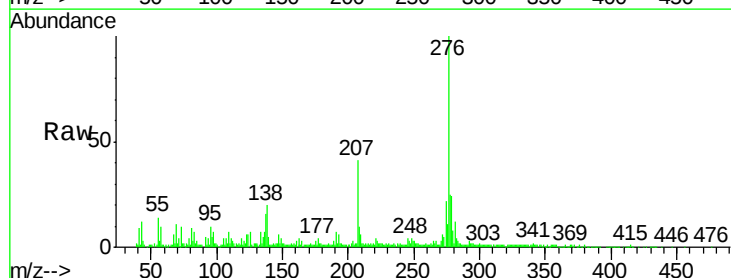
Tgt Ion:278 Resp: 85749

Ion Ratio Lower Upper

278 100

139 22.7 12.1 18.1#

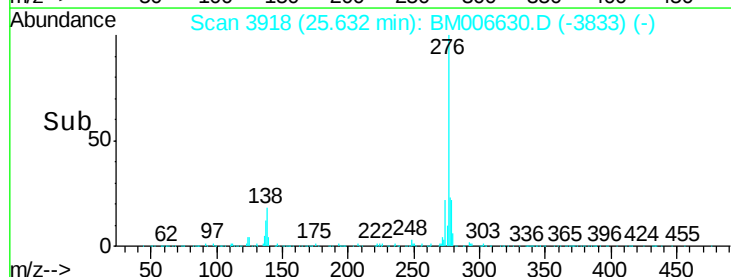
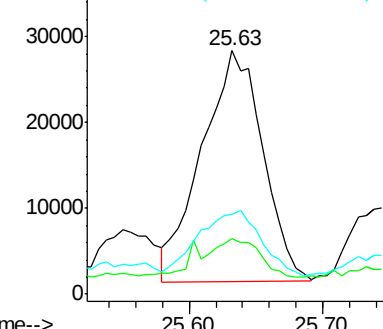
279 32.9 19.8 29.8#

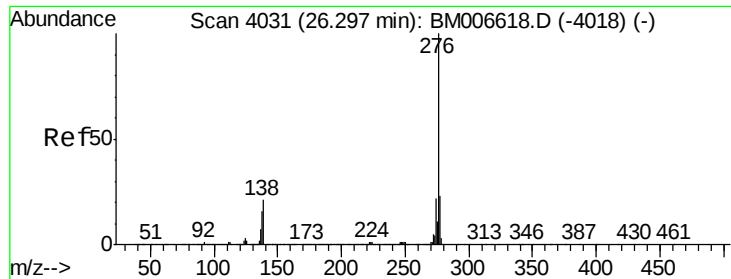


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.95 ng/ul

RT: 26.31 min Scan# 4033

Delta R.T. 0.01 min

Lab File: BM006630.D

Acq: 22 Jul 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9YP7

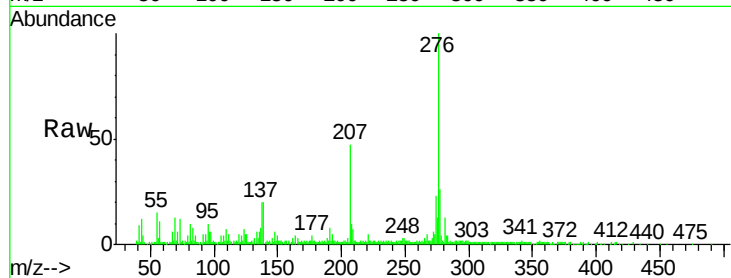
Tgt Ion: 276 Resp: 315300

Ion Ratio Lower Upper

276 100

138 20.3 13.9 20.9

277 25.9 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

