Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006637.D
Acq On : 22 Jul 2016 23:01
Operator : UM/SJ
Sample : H4077-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9YT1

Quant Time: Jul 23 00:20:04 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	220883	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	980390	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	541017	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1170478	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1142844	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1240282	20.00	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	10653	1.95	ng/uL	0.00
3) Phenol-d5	6.80	99	453146	24.11	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	282067	24.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	354938	23.64	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	341001	23.40	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	176058	23.72	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	185611	23.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	339368	22.76	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	391877	23.86	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	988271	23.30	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1281536	23.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	146065	19.83	ng/ul	0.02
21) Fluorene-d10	15.27	176	889476	23.45	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	34531	5.68	ng/ul	0.01
26) Anthracene-d10	17.12	188	1362428	24.51	ng/ul	0.00
30) Pyrene-d10	19.43	212	1449741	27.84	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1428493	25.04	ng/ul	0.02
Target Compounds						Qvalue
18) Acenaphthylene	13.99	152	324361	5.59	ng/ul	96
25) Phenanthrene	17.07	178	377398	5.73	ng/ul	100
27) Anthracene	17.16	178	394872	5.83	ng/ul	99
28) Fluoranthene	19.09	202	1092281	14.12	ng/ul	100
31) Pyrene	19.46	202	1283386	18.55	ng/ul	98
32) Benzo(a)anthracene	21.21	228	1073012	15.49	ng/ul	94
33) Chrysene	21.26	228	1162521	18.20	ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	3087352	41.53	ng/ul	100
36) Benzo(k)fluoranthene	22.79	252	3087352	42.95	ng/ul	99
38) Benzo(a)pyrene	23.34	252	1658608	22.92	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.66	276	1443502	17.22	ng/ul	98
40) Dibenzo(a,h)anthracene	25.90	278	261424	3.76	ng/ul	96
41) Benzo(g,h,i)perylene	26.34	276	1157466	16.11	ng/ul	97

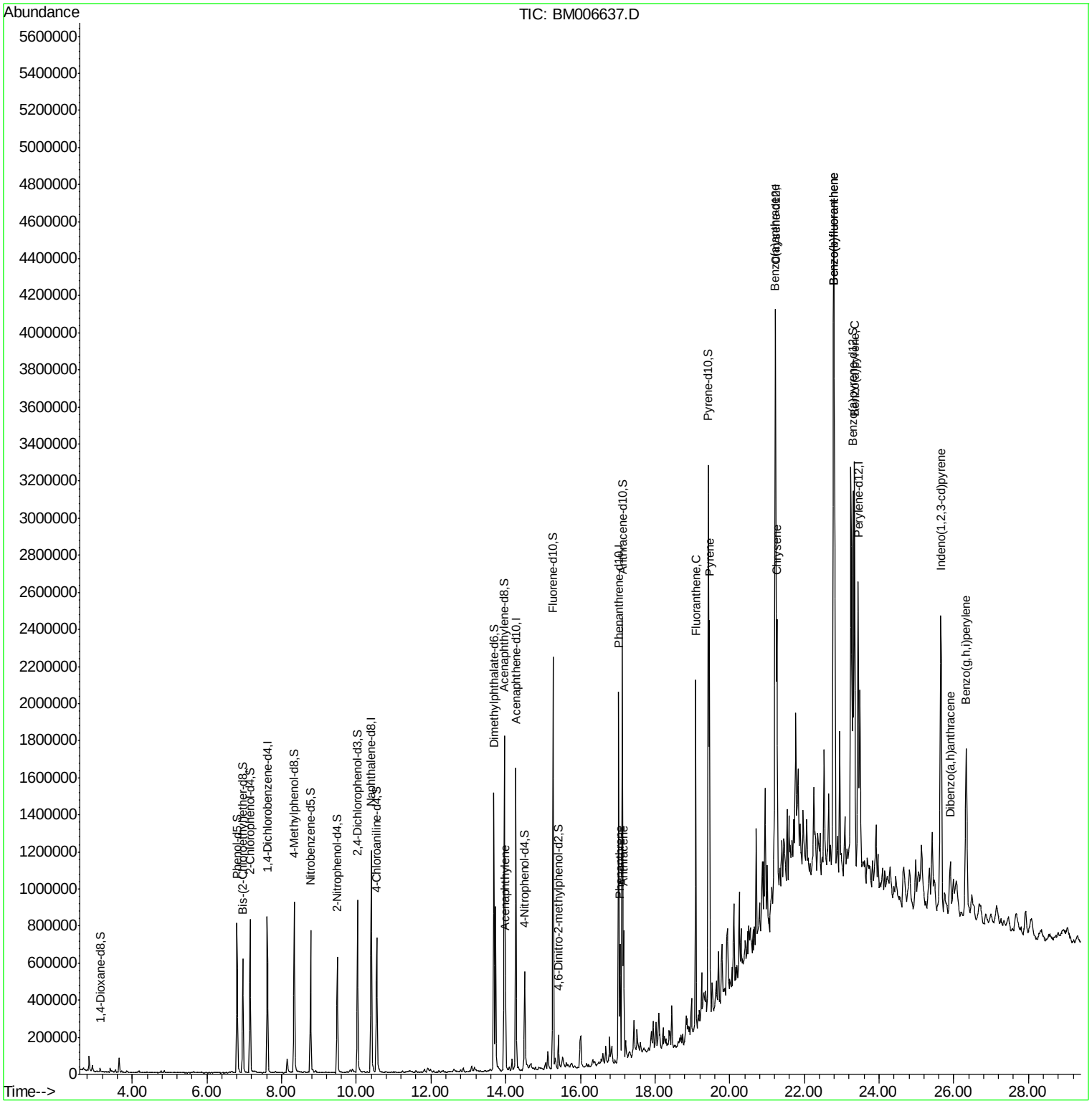
(#) = qualifier out of range (m) = manual integration (+) = signals summed

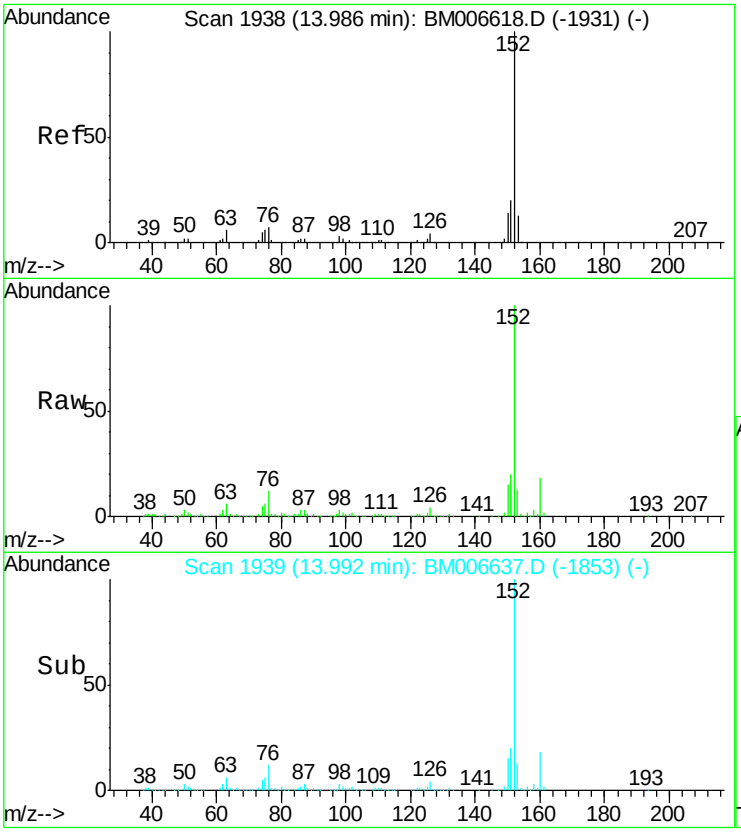
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006637.D
Acq On : 22 Jul 2016 23:01
Operator : UM/SJ
Sample : H4077-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YT1

Quant Time: Jul 23 00:20:04 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



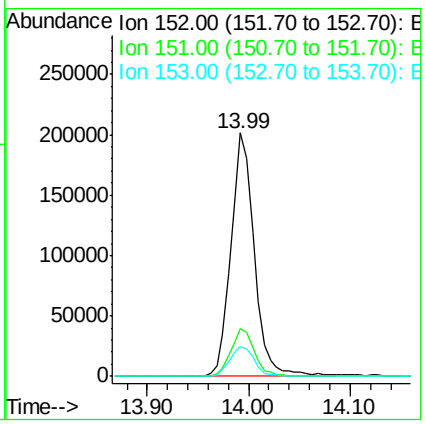


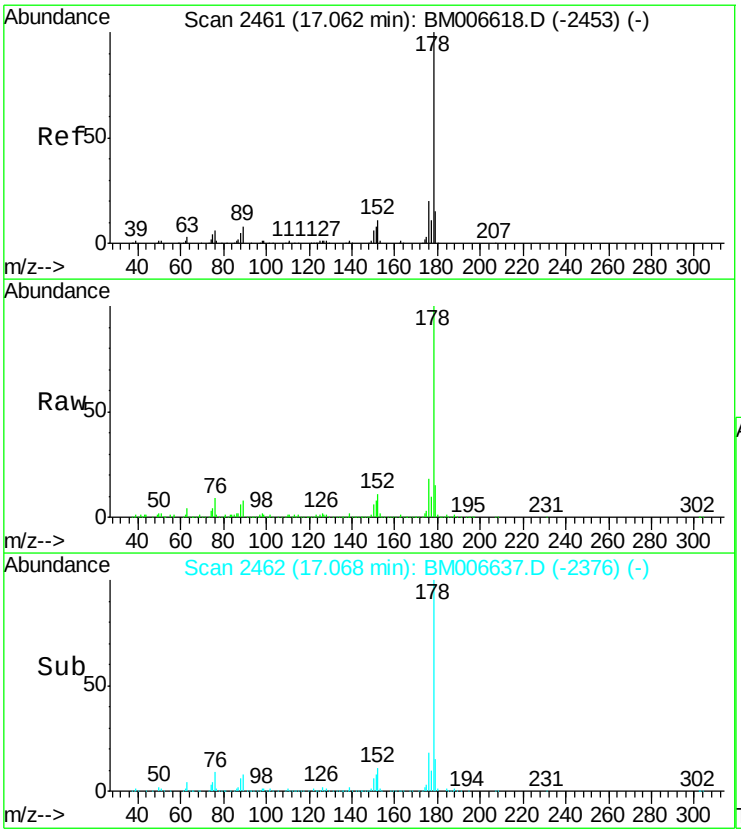
#18
Acenaphthylene
Concen: 5.59 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:152 Resp: 324361

Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.3	25.9
153	12.5	11.1	16.7

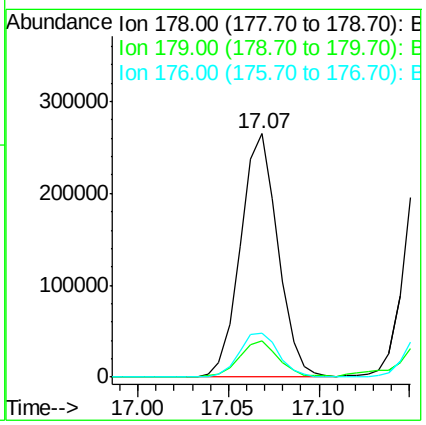


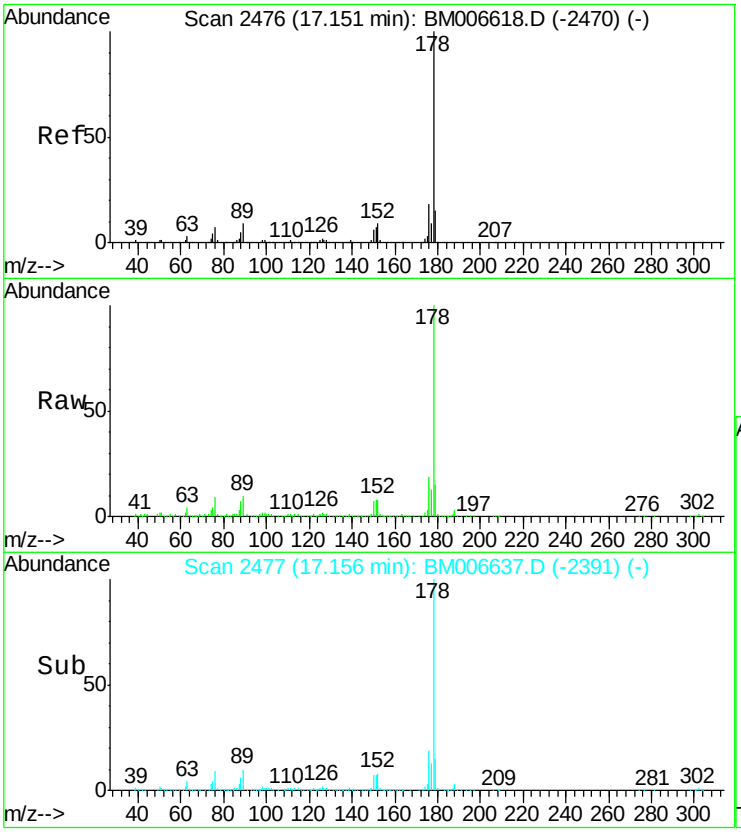


#25
Phenanthrene
Concen: 5.73 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:178 Resp: 377398

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8
176	18.3	14.8	22.2



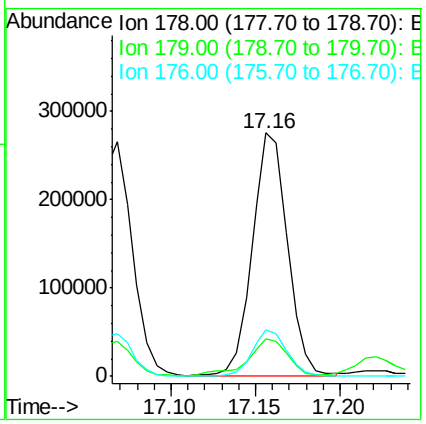


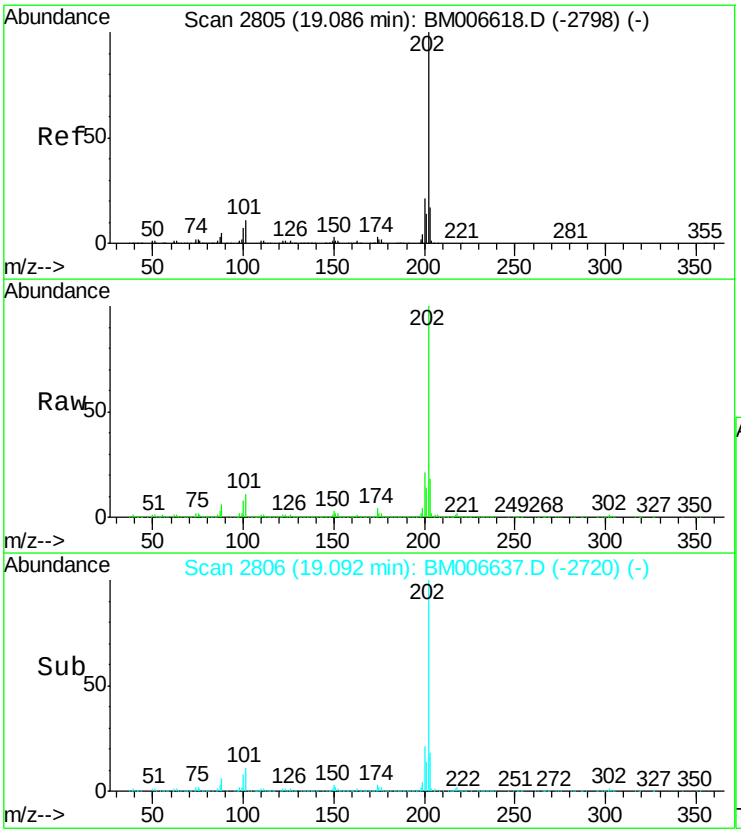
#27
Anthracene
Concen: 5.83 ng/ul
RT: 17.16 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:178 Resp: 394872

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.9	19.3
176	19.1	15.6	23.4

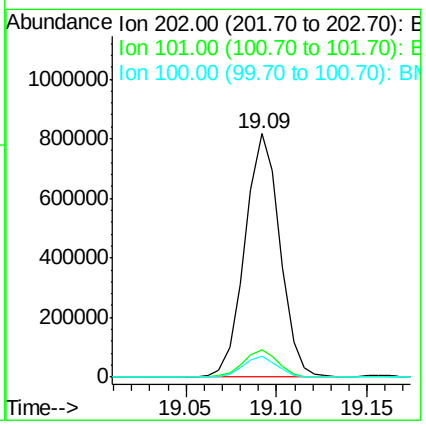


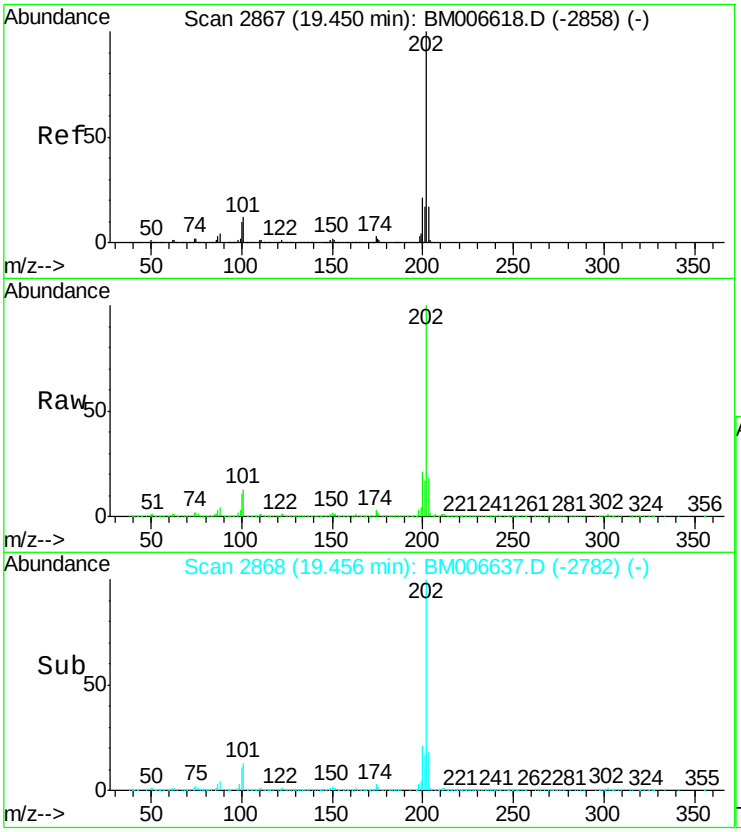


#28
Fluoranthene
Concen: 14.12 ng/ul
RT: 19.09 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:202 Resp: 1092281

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	8.4	7.0	10.4



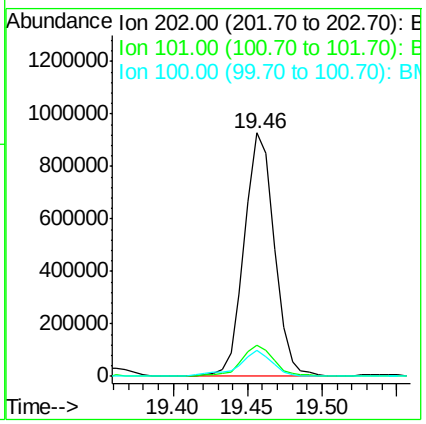


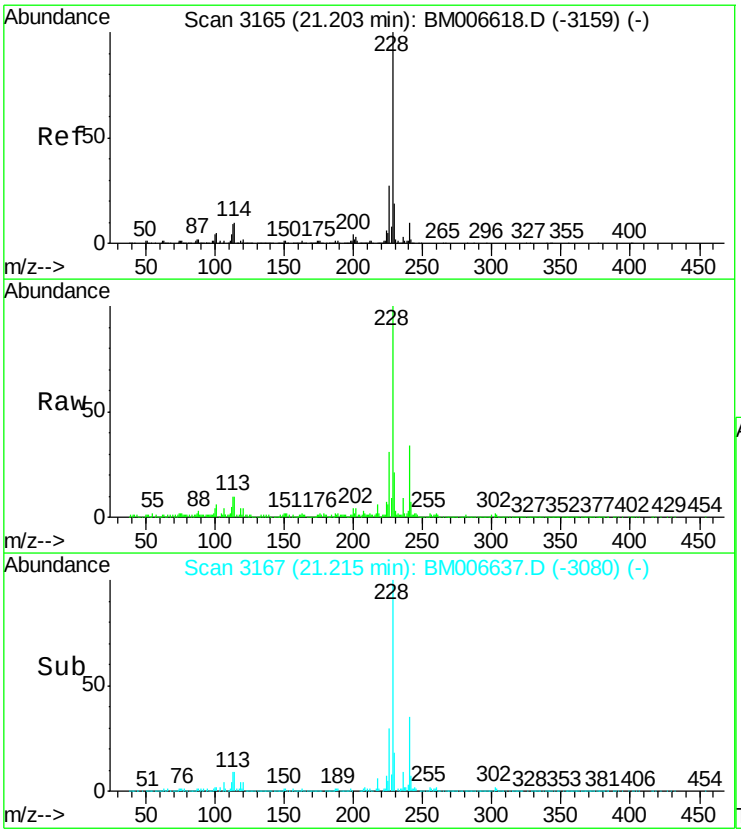
#31
Pyrene
Concen: 18.55 ng/ul
RT: 19.46 min Scan# 2868
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:202 Resp: 1283386

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.8
100	10.6	9.3	13.9

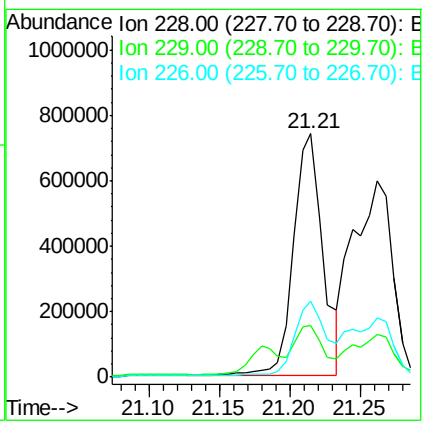


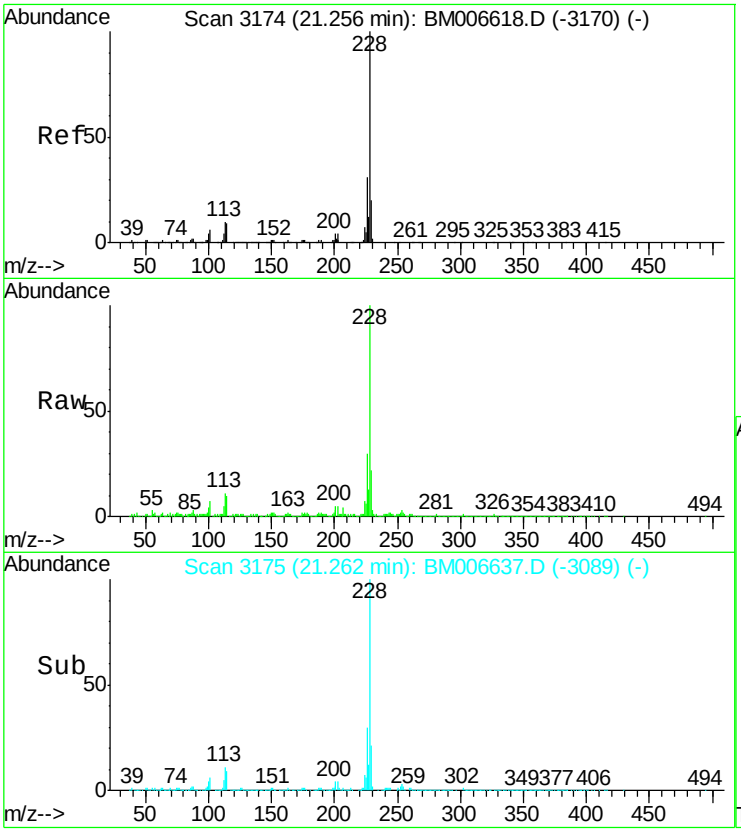


#32
Benzo(a)anthracene
Concen: 15.49 ng/ul
RT: 21.21 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:228 Resp: 1073012

Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	31.0	21.0	31.4



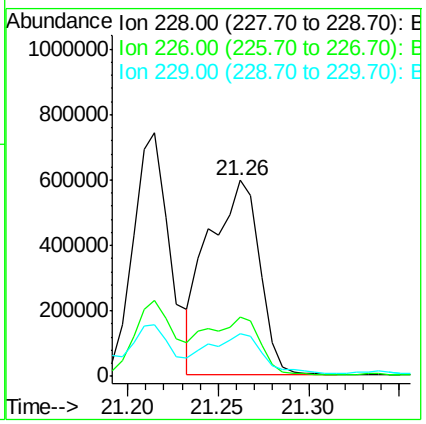


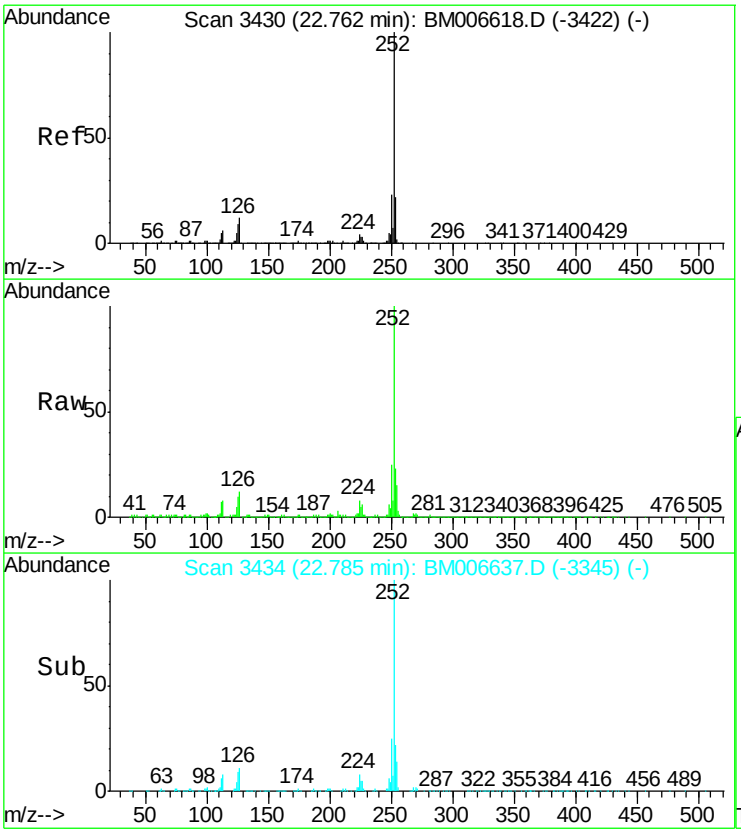
#33
Chrysene
Concen: 18.20 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:228 Resp: 1162521

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	21.9	16.2	24.2

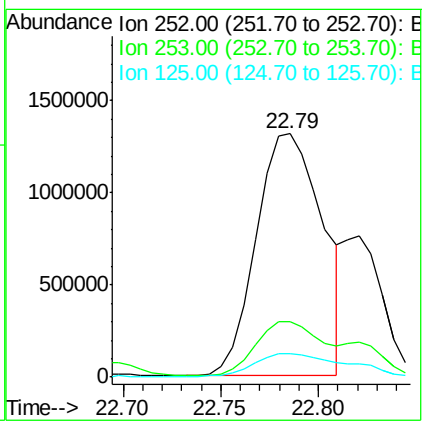


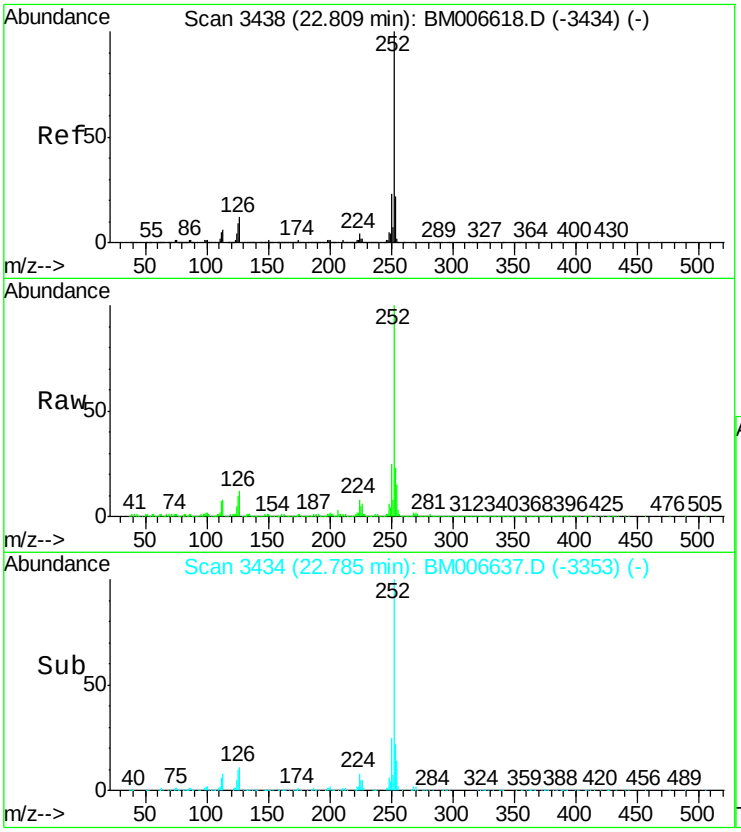


#35
Benzo(b)fluoranthene
Concen: 41.53 ng/ul
RT: 22.79 min Scan# 3434
Delta R.T. 0.02 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:252 Resp: 3087352

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	9.9	7.6	11.4



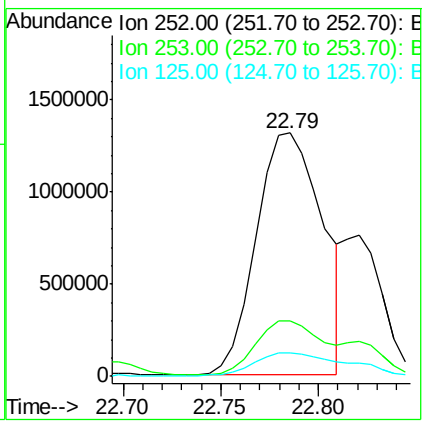


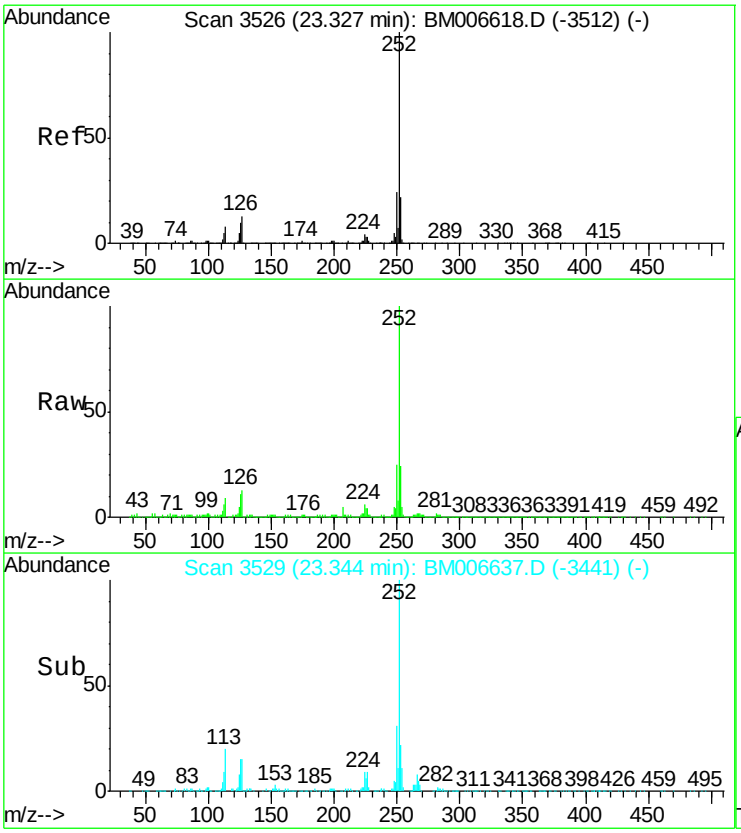
#36
Benzo(k)fluoranthene
Concen: 42.95 ng/ul
RT: 22.79 min Scan# 3434
Delta R.T. -0.02 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:252 Resp: 3087352

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	9.9	7.7	11.5

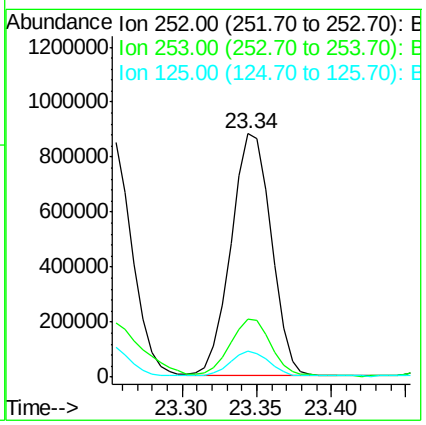


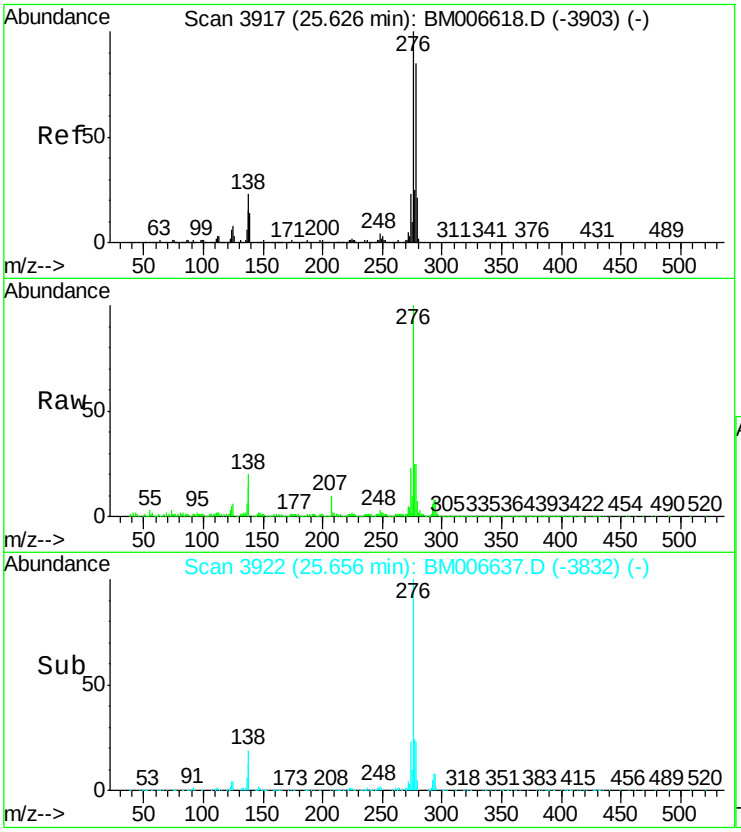


#38
Benzo(a)pyrene
Concen: 22.92 ng/ul
RT: 23.34 min Scan# 3529
Delta R.T. 0.02 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:252 Resp: 1658608

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	10.5	8.2	12.2



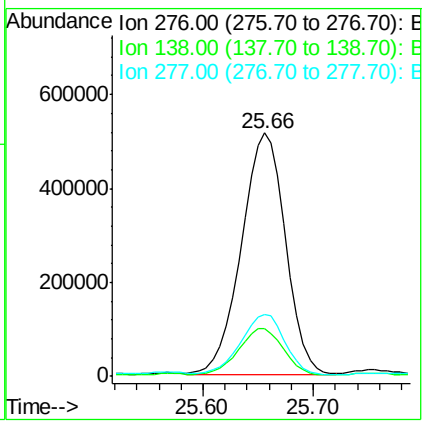


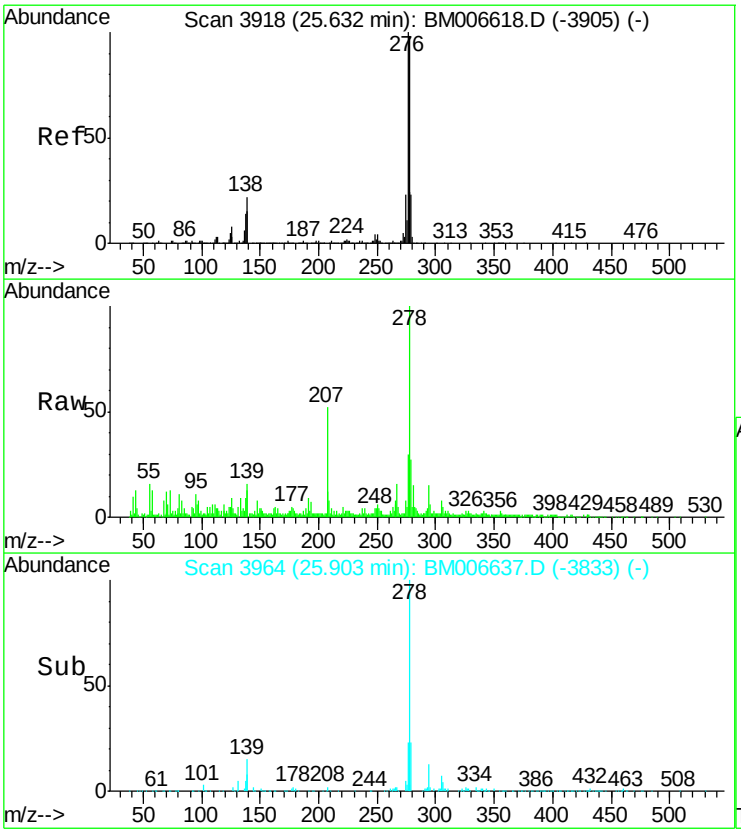
#39
Indeno(1,2,3-cd)pyrene
Concen: 17.22 ng/ul
RT: 25.66 min Scan# 3922
Delta R.T. 0.03 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:276 Resp: 1443502

Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.8	23.6
277	25.4	19.0	28.6

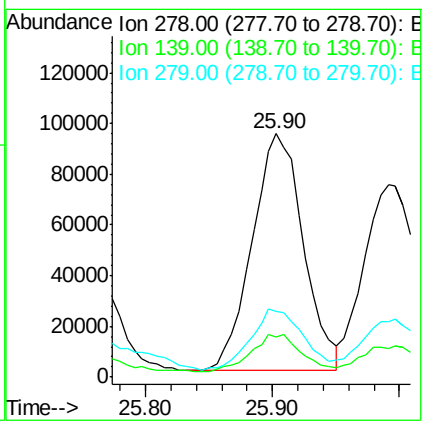


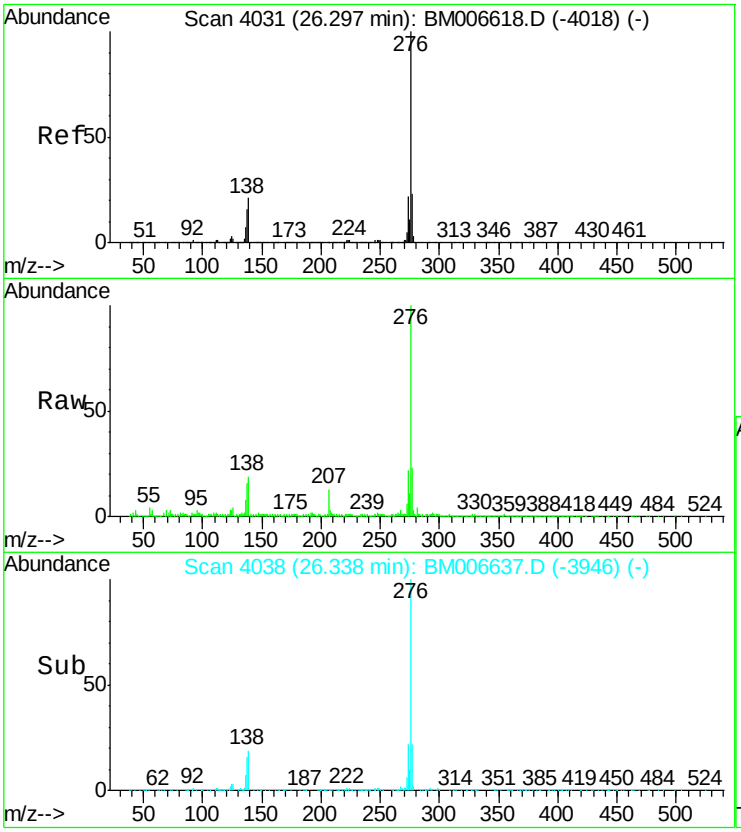


#40
Dibenzo(a,h)anthracene
Concen: 3.76 ng/ul
RT: 25.90 min Scan# 3964
Delta R.T. 0.27 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:278 Resp: 261424

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.1	18.1
279	26.8	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 16.11 ng/ul
RT: 26.34 min Scan# 4038
Delta R.T. 0.04 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:276 Resp: 1157466

Ion	Ratio	Lower	Upper
276	100		
138	19.1	13.9	20.9
277	23.1	19.8	29.6