Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006636.D
Acq On : 22 Jul 2016 22:24
Operator : UM/SJ
Sample : H4077-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9YT0

Quant Time: Jul 23 00:19:52 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	192618	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	907074	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	518110	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1117009	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1074068	20.00	ng/ul	0.01
34) Perylene-d12	23.44	264	1201951	20.00	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	9191	1.93	ng/uL	0.00
3) Phenol-d5	6.80	99	361009	22.03	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	233116	22.96	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	290596	22.19	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	280135	22.04	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	142422	20.74	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	149027	20.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	277670	20.12	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	309938	20.40	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	822898	20.26	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1061987	20.48	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	107082	15.18	ng/ul	0.02
21) Fluorene-d10	15.27	176	736371	20.27	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	21759	3.75	ng/ul	0.01
26) Anthracene-d10	17.13	188	1094268	20.63	ng/ul	0.01
30) Pyrene-d10	19.43	212	1129233	23.07	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1112080	20.11	ng/ul	0.02
Target Compounds						Qvalue
18) Acenaphthylene	13.99	152	486453	8.76	ng/ul	98
22) Fluorene	15.33	166	43563	1.08	ng/ul	94
25) Phenanthrene	17.07	178	1361446	21.67	ng/ul	100
27) Anthracene	17.16	178	577271	8.92	ng/ul	98
28) Fluoranthene	19.09	202	2702601	36.62	ng/ul	99
31) Pyrene	19.46	202	2624785	40.36	ng/ul	97
32) Benzo(a)anthracene	21.22	228	1595987	24.52	ng/ul	95
33) Chrysene	21.27	228	1898677	31.64	ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	4243013	58.89	ng/ul	100
36) Benzo(k)fluoranthene	22.79	252	4243013	60.90	ng/ul	99
38) Benzo(a)pyrene	23.35	252	2291429	32.67	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	2016551	24.83	ng/ul	98
40) Dibenzo(a,h)anthracene	25.91	278	367162	5.45	ng/ul	98
41) Benzo(g,h,i)perylene	26.34	276	1646778	23.66	ng/ul	97

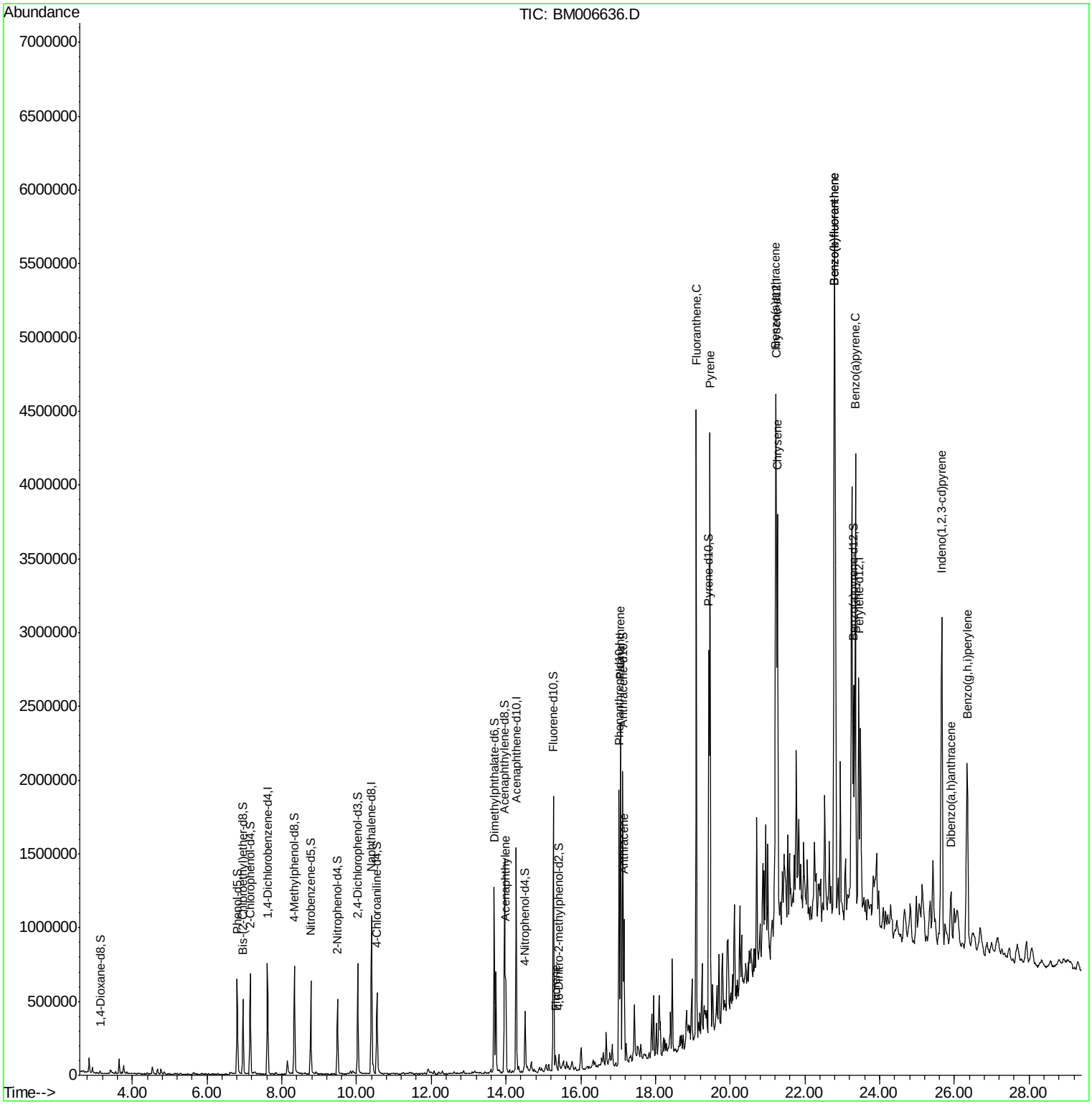
(#) = qualifier out of range (m) = manual integration (+) = signals summed

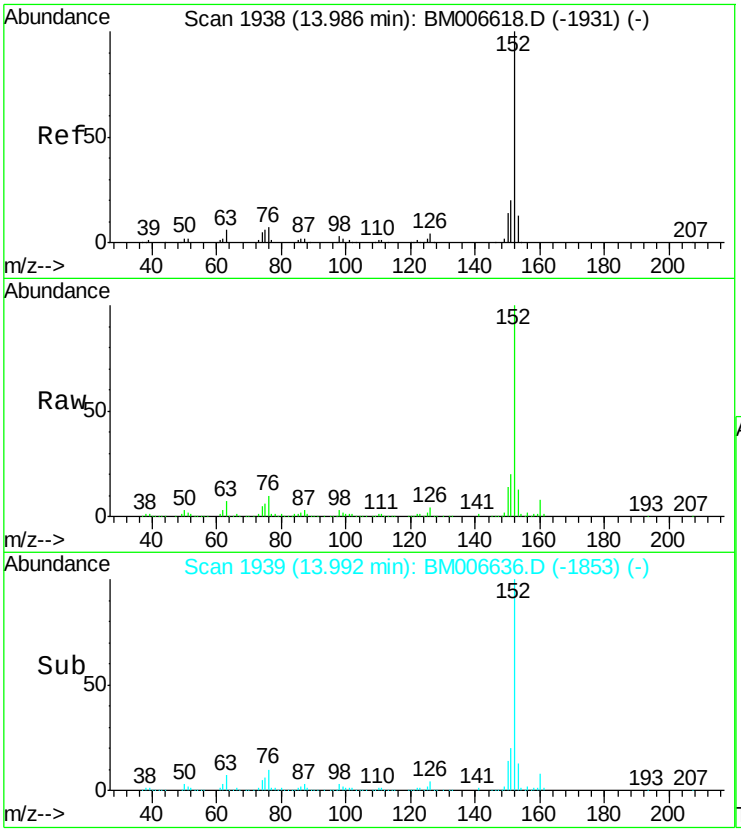
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006636.D
Acq On : 22 Jul 2016 22:24
Operator : UM/SJ
Sample : H4077-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YT0

Quant Time: Jul 23 00:19:52 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



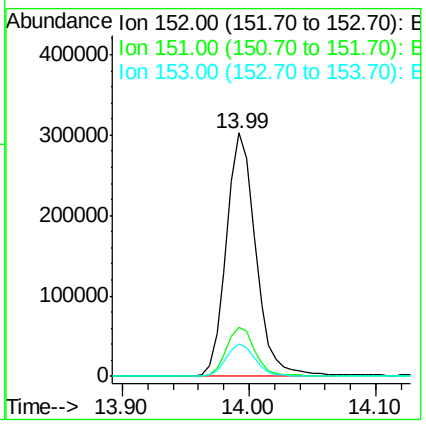


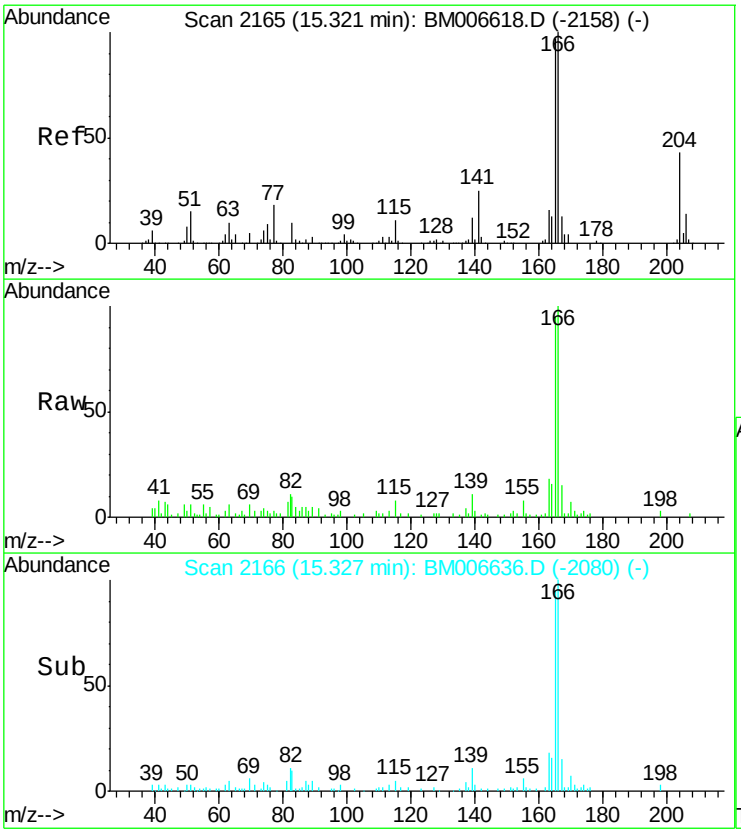
#18
Acenaphthylene
Concen: 8.76 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:152 Resp: 486453

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.3	25.9
153	13.5	11.1	16.7

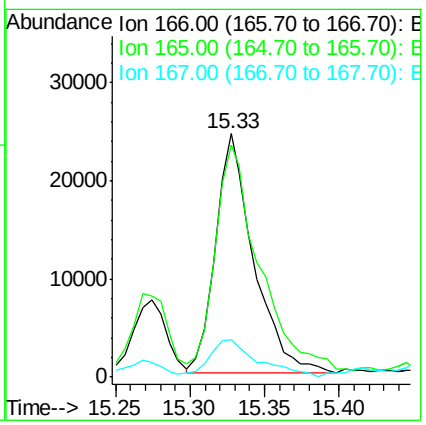


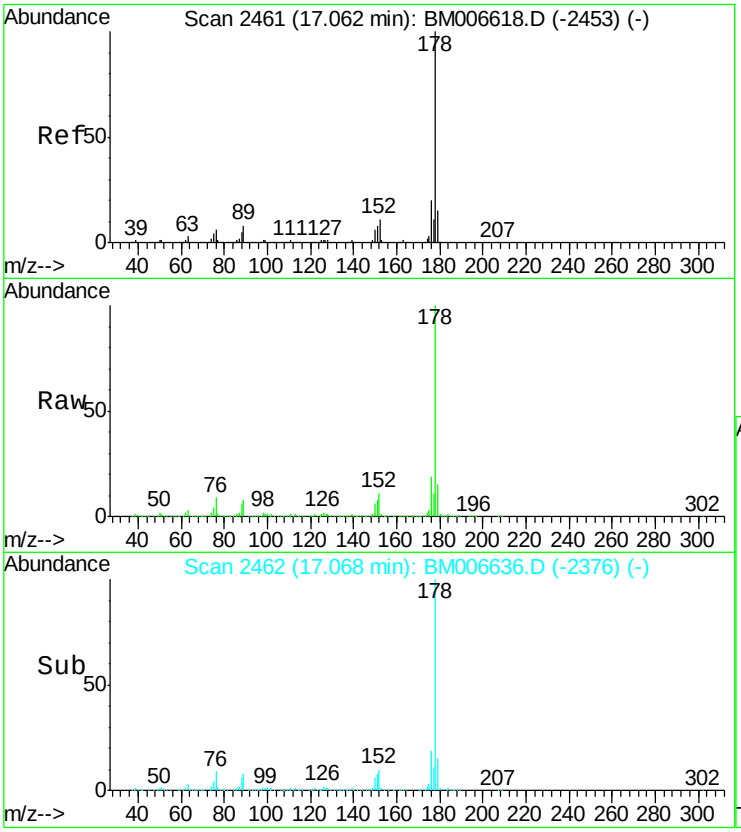


#22
Fluorene
Concen: 1.08 ng/ul
RT: 15.33 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:166 Resp: 43563

Ion	Ratio	Lower	Upper
166	100		
165	95.4	81.1	121.7
167	15.2	10.6	16.0



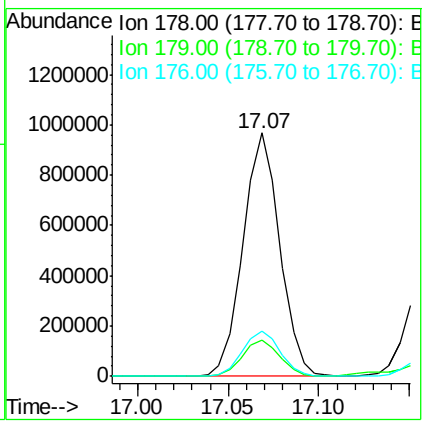


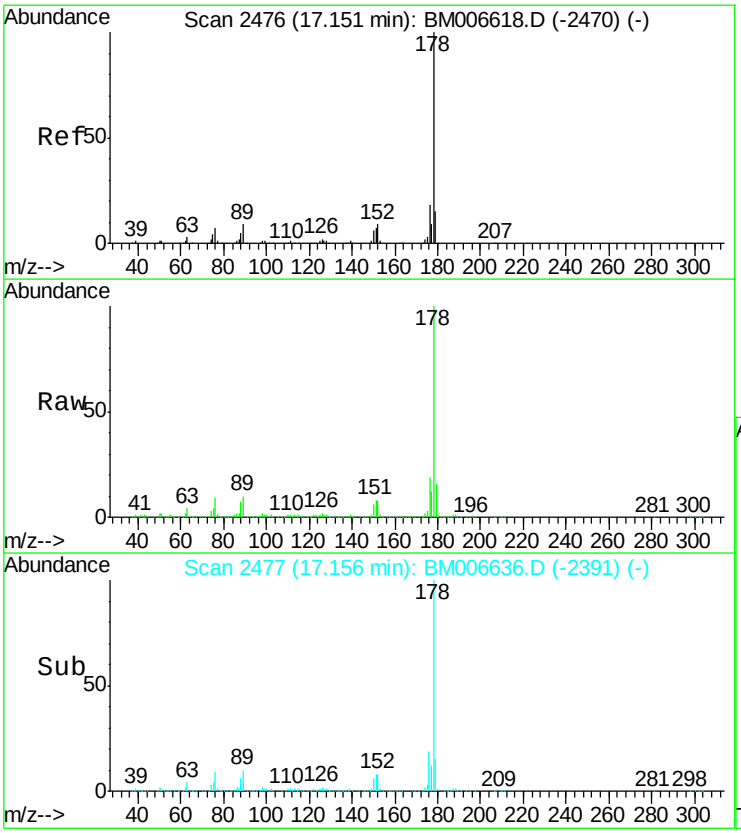
#25
Phenanthrene
Concen: 21.67 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:178 Resp: 1361446

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8
176	18.7	14.8	22.2

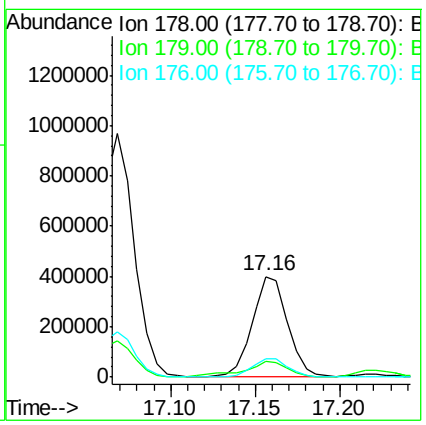


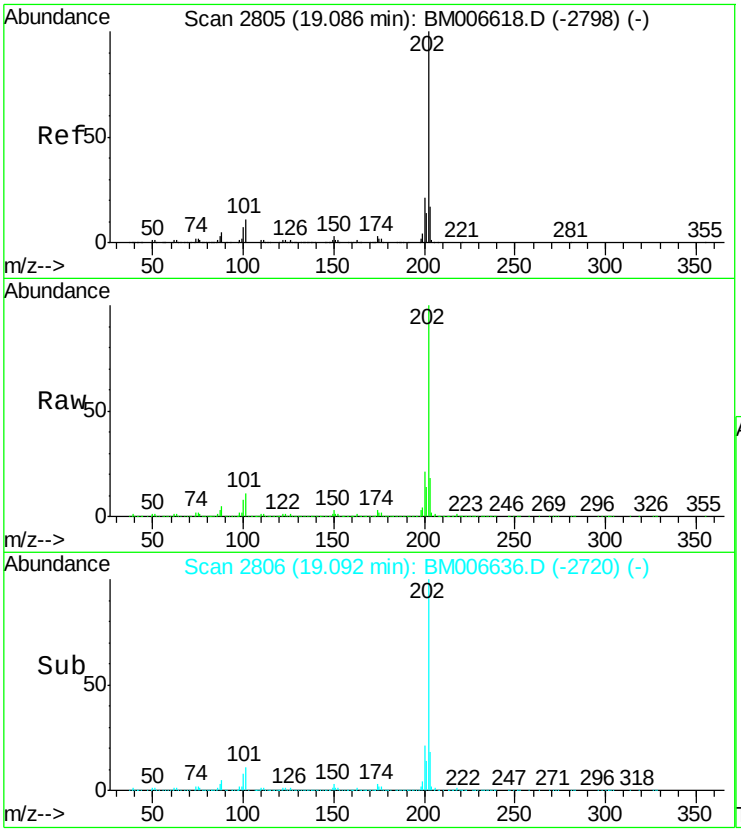


#27
Anthracene
Concen: 8.92 ng/ul
RT: 17.16 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:178 Resp: 577271

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.9	19.3
176	18.7	15.6	23.4



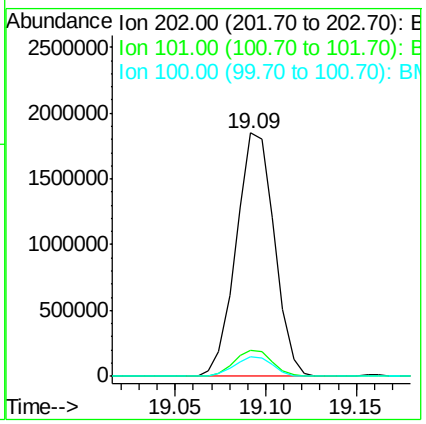


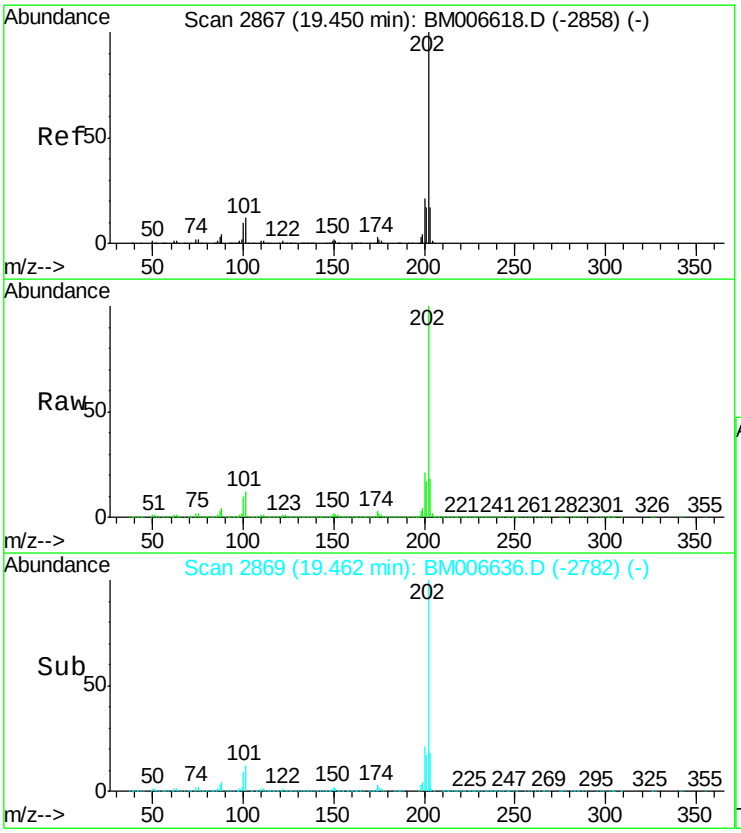
#28
Fluoranthene
Concen: 36.62 ng/ul
RT: 19.09 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:202 Resp: 2702601

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	8.2	7.0	10.4

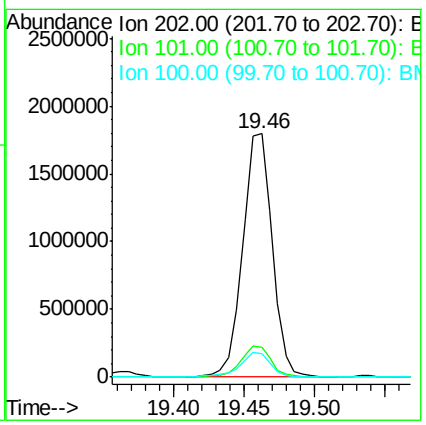


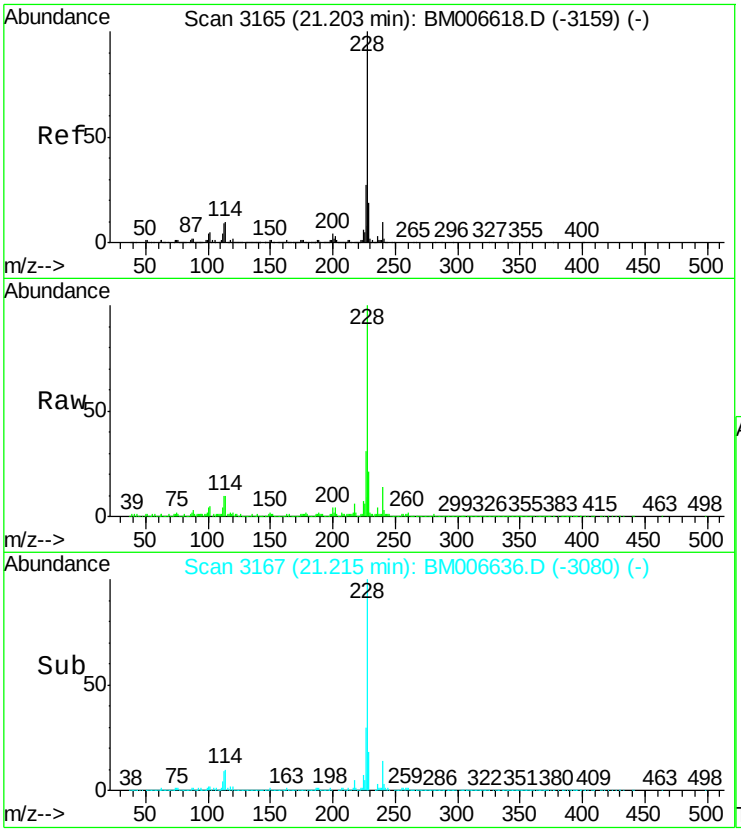


#31
Pyrene
Concen: 40.36 ng/ul
RT: 19.46 min Scan# 2869
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:202 Resp: 2624785

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
100	9.5	9.3	13.9



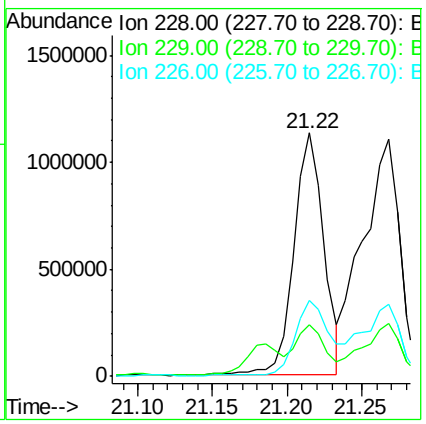


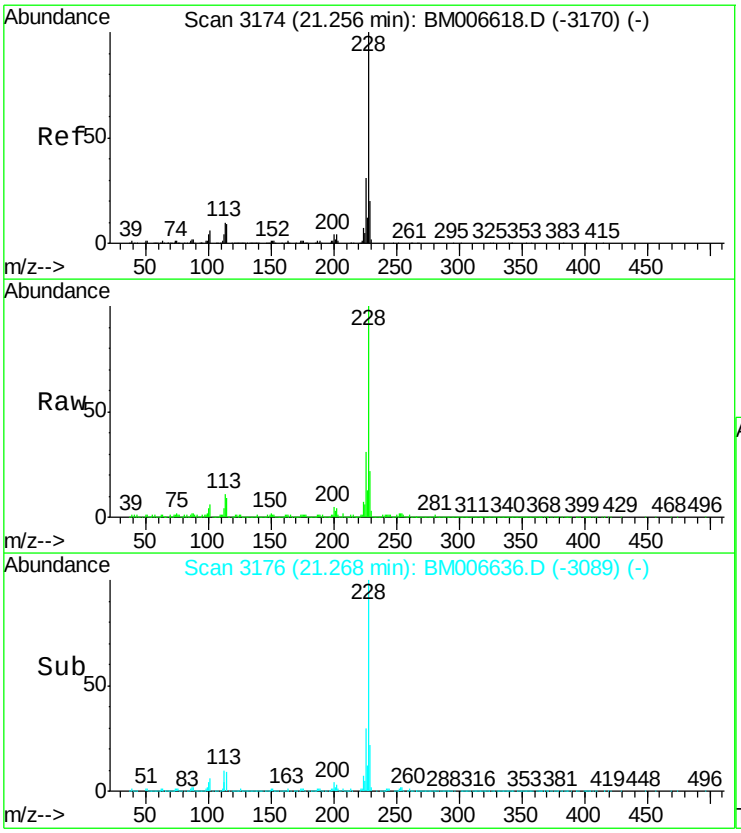
#32
Benzo(a)anthracene
Concen: 24.52 ng/ul
RT: 21.22 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:228 Resp: 1595987

Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.6	25.0
226	31.1	21.0	31.4

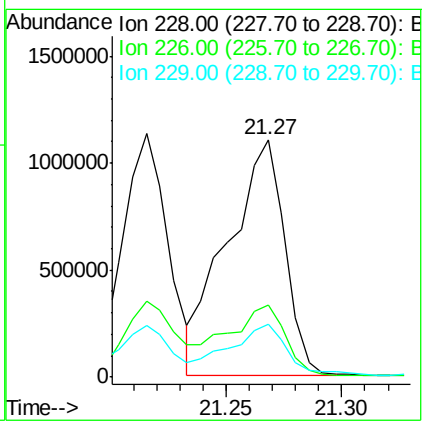


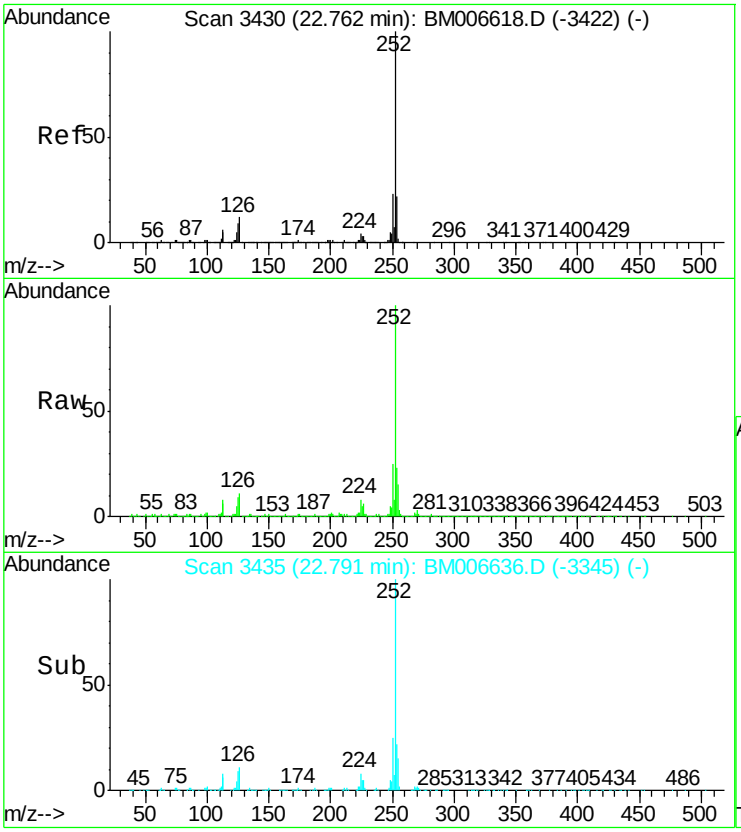


#33
Chrysene
Concen: 31.64 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:228 Resp: 1898677

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.4	16.2	24.2



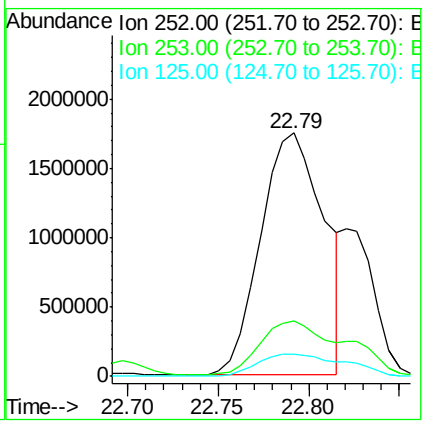


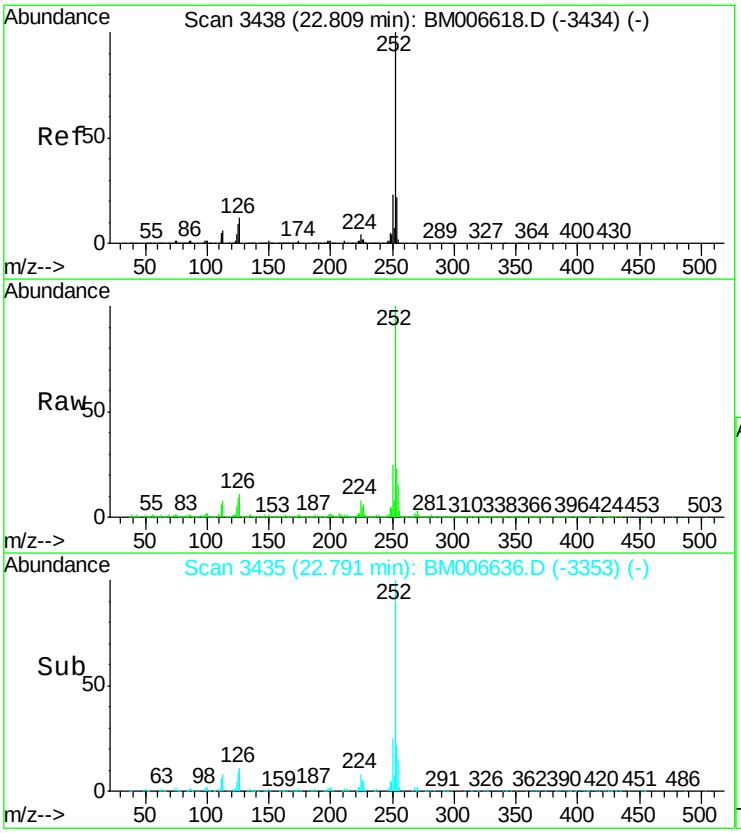
#35
Benzo(b)fluoranthene
Concen: 58.89 ng/ul
RT: 22.79 min Scan# 3435
Delta R.T. 0.03 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:252 Resp: 4243013

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	9.2	7.6	11.4

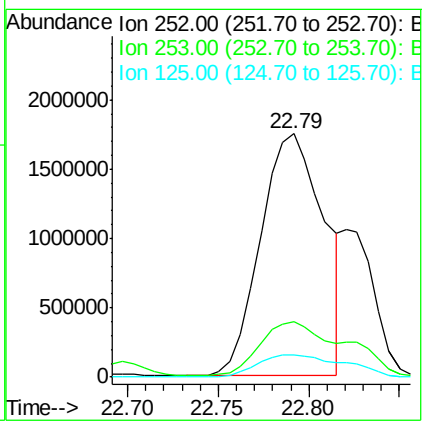


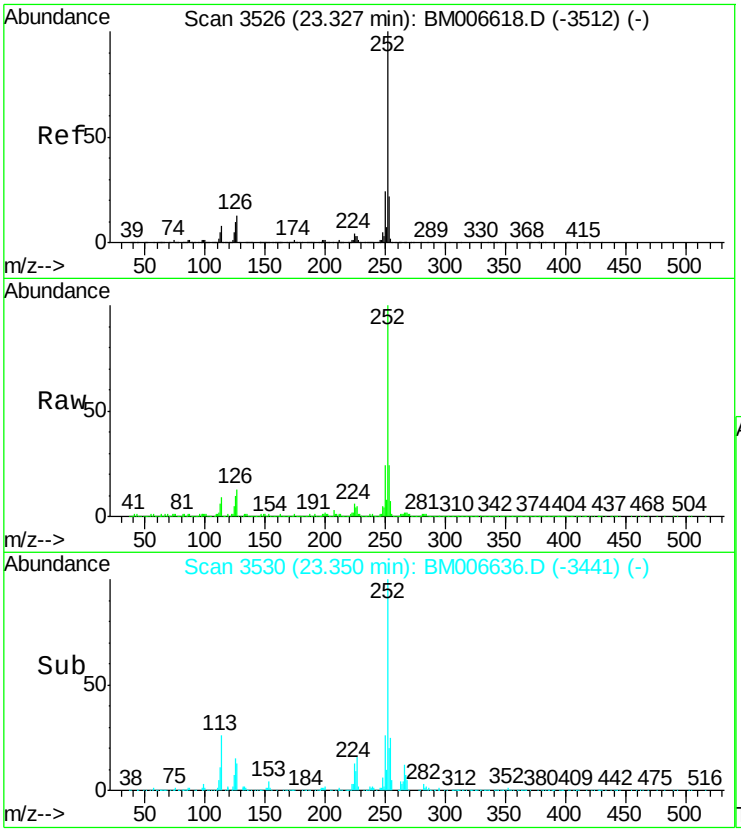


#36
Benzo(k)fluoranthene
Concen: 60.90 ng/ul
RT: 22.79 min Scan# 3435
Delta R.T. -0.02 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:252 Resp: 4243013

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	9.2	7.7	11.5



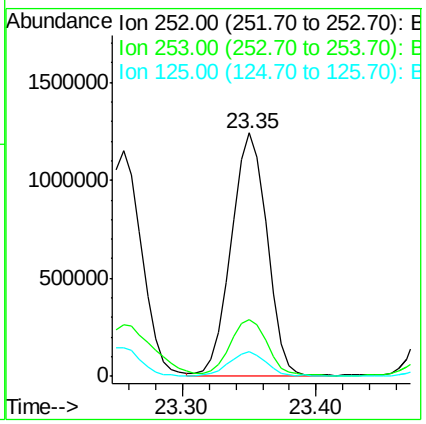


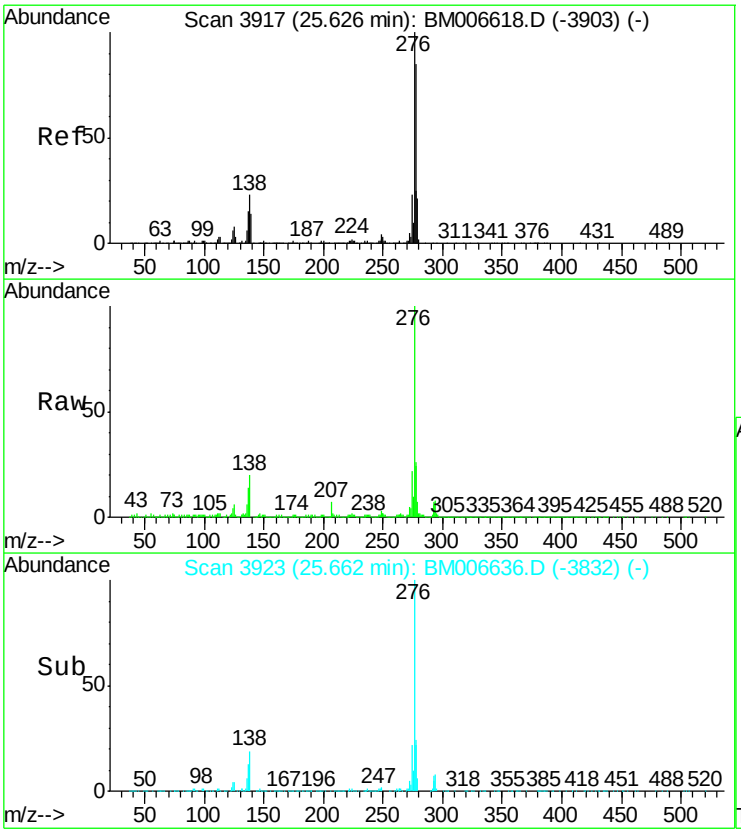
#38
Benzo(a)pyrene
Concen: 32.67 ng/ul
RT: 23.35 min Scan# 3530
Delta R.T. 0.02 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:252 Resp: 2291429

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	10.0	8.2	12.2

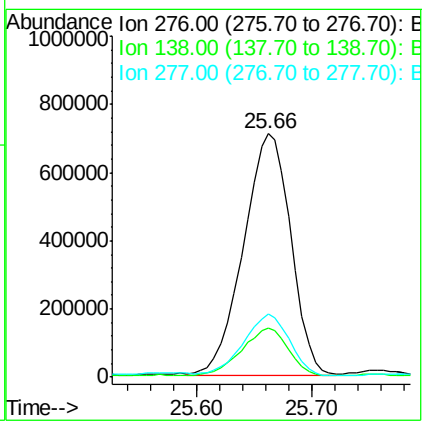


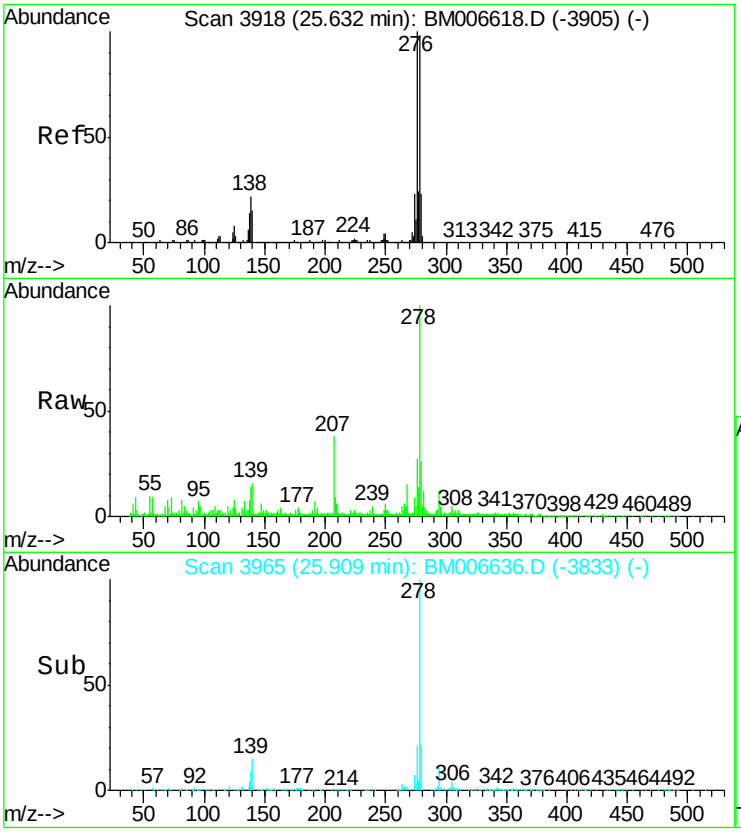


#39
Indeno(1,2,3-cd)pyrene
Concen: 24.83 ng/ul
RT: 25.66 min Scan# 3923
Delta R.T. 0.04 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:276 Resp: 2016551

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.8	23.6
277	25.7	19.0	28.6



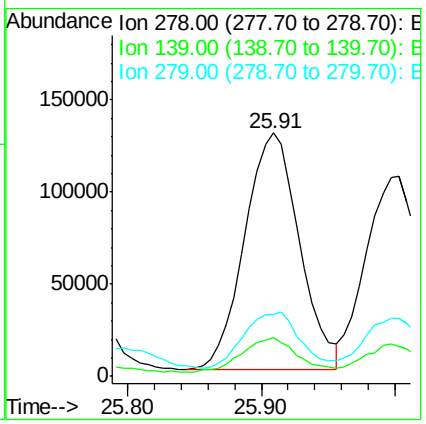


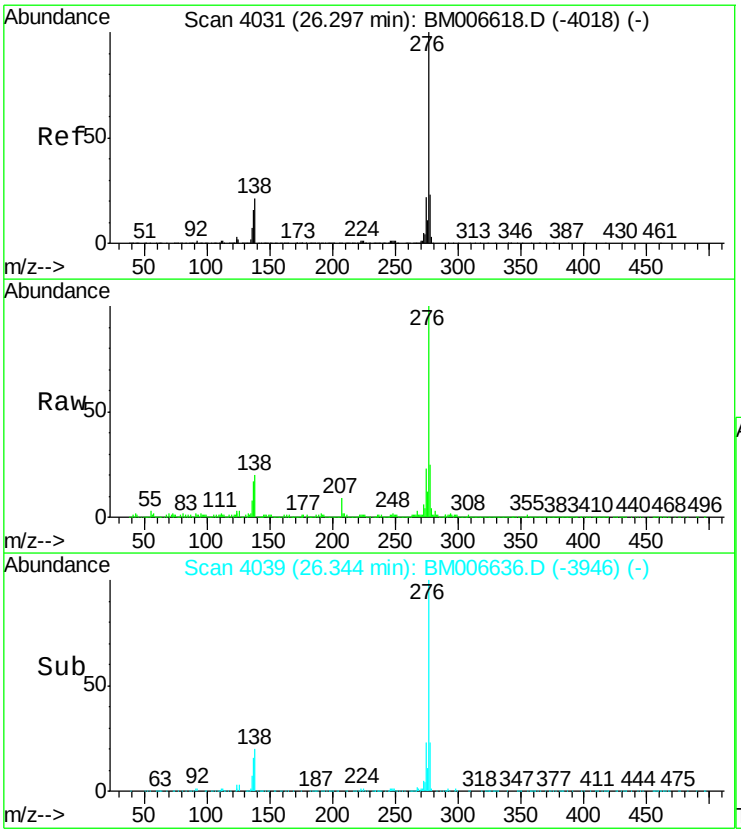
#40
Dibenzo(a,h)anthracene
Concen: 5.45 ng/ul
RT: 25.91 min Scan# 3965
Delta R.T. 0.28 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion:278 Resp: 367162

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.1	18.1
279	25.6	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 23.66 ng/ul
RT: 26.34 min Scan# 4039
Delta R.T. 0.05 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion:276 Resp: 1646778

Ion	Ratio	Lower	Upper
276	100		
138	20.4	13.9	20.9
277	24.8	19.8	29.6