Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Jul 18 07:43:29 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	128533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	544953	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.27	164	319115	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	710299	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	739394	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	871904	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	484	0.16	ng/uL	0.00
5) Phenol-d5	6.79	99	22204	2.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	16525	2.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	18724	2.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	17976	2.15	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	8730	2.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	8408	1.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	17623	2.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	13166	1.43	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	63337	2.43	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	78176	2.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	3945	0.87	ng/ul	0.01
57) Fluorene-d10	15.26	176	62748	2.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	2038	0.50	ng/ul	0.01
70) Anthracene-d10	17.12	188	92911	2.77	ng/ul	0.00
76) Pyrene-d10	19.42	212	100976	3.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	109952	2.76	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.47	128	18321543	662.38	ng/ul	97
30) 4-Chloroaniline	10.47	127	2583394	269.09	ng/ul#	6
34) 2-Methylnaphthalene	12.06	142	1205529	57.84	ng/ul	100
40) 1,1'-Biphenyl	13.09	154	432953	16.45	ng/ul	98
44) Dimethylphthalate	13.72	163	76110	2.87	ng/ul	98
47) Acenaphthylene	13.99	152	207550	6.17	ng/ul#	97
49) Acenaphthene	14.33	153	2090490	96.62	ng/ul	99
53) Dibenzofuran	14.67	168	1694468	53.80	ng/ul	96
58) Fluorene	15.32	166	1646226	65.34	ng/ul	99
60) 4-Nitroaniline	15.32	138	19619	3.34	ng/ul#	11
69) Phenanthrene	17.07	178	6123131	156.77	ng/ul	98
71) Anthracene	17.15	178	2643322	65.80	ng/ul	99
72) Carbazole	17.42	167	520682	15.33	ng/ul	99
74) Fluoranthene	19.23	202	326075	7.18	ng/ul	99
77) Pyrene	19.45	202	4658022	105.51	ng/ul	94
80) Benzo(a)anthracene	21.20	228	2412733	53.46	ng/ul	96
82) Chrysene	21.26	228	2239637	52.71	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	2665283	51.15	ng/ul	99
86) Benzo(k)fluoranthene	22.76	252	2665283	54.38	ng/ul	99
88) Benzo(a)pyrene	23.32	252	2073811	41.55	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.61	276	1326272	22.84	ng/ul	96
90) Dibenzo(a,h)anthracene	25.71	278	126840	2.63	ng/ul	92
91) Benzo(g,h,i)perylene	26.29	276	1134780	22.11	ng/ul	98

Quantitation Report (Not Reviewed)

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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Time: Jul 18 07:43:29 2016
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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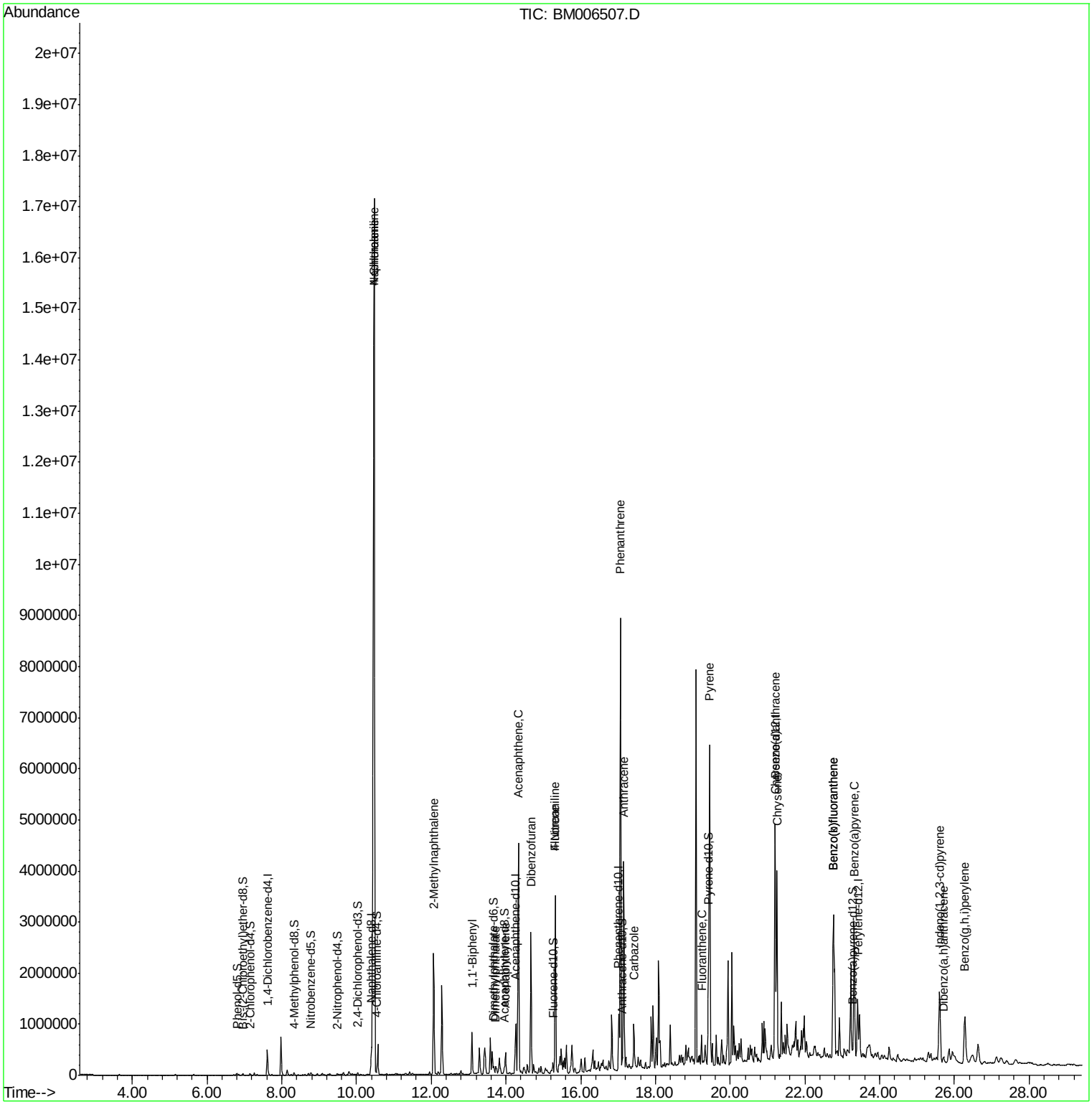
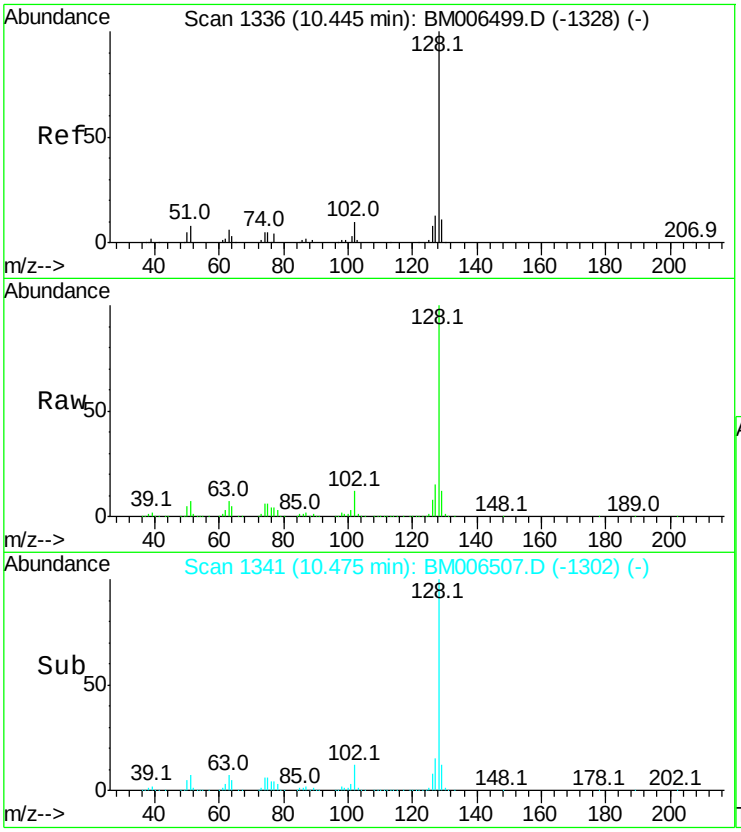
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration



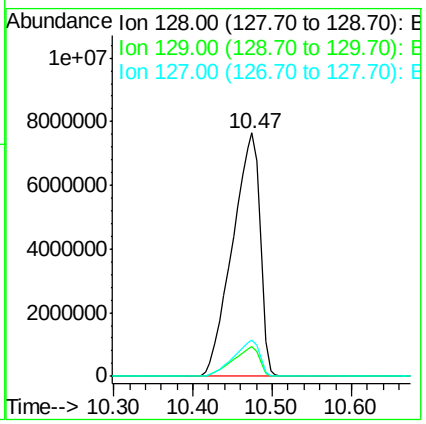


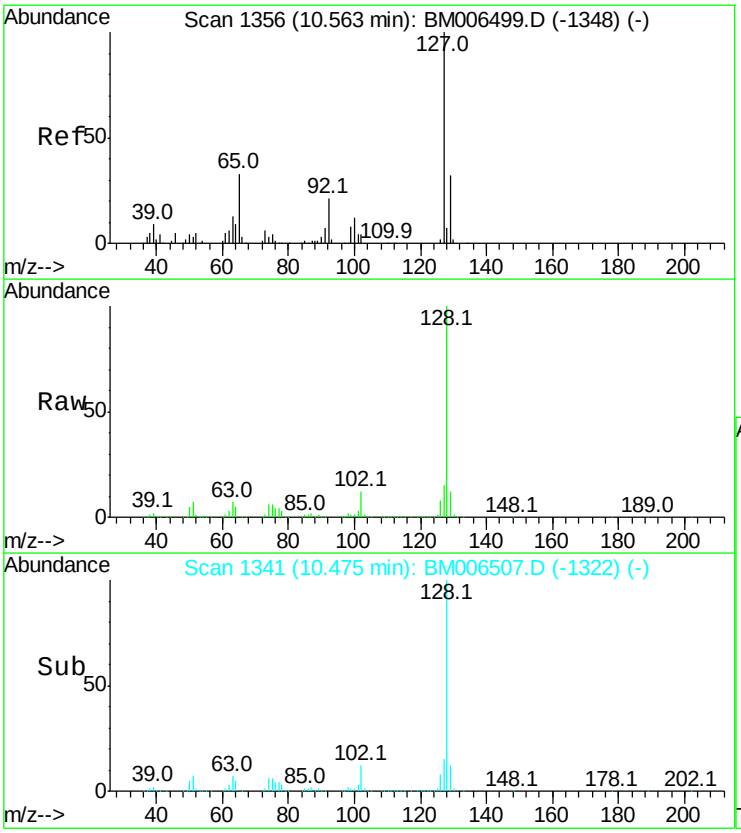
#28
Naphthalene
Concen: 662.38 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:128 Resp:18321543

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.6	13.0
127	14.8	10.9	16.3

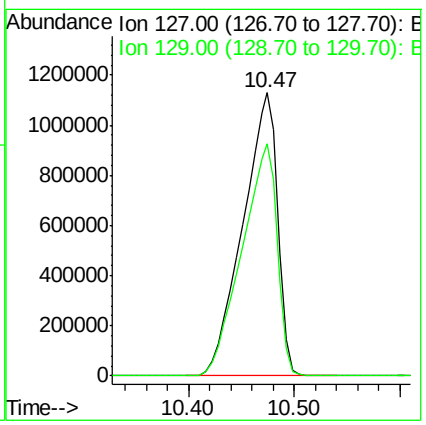


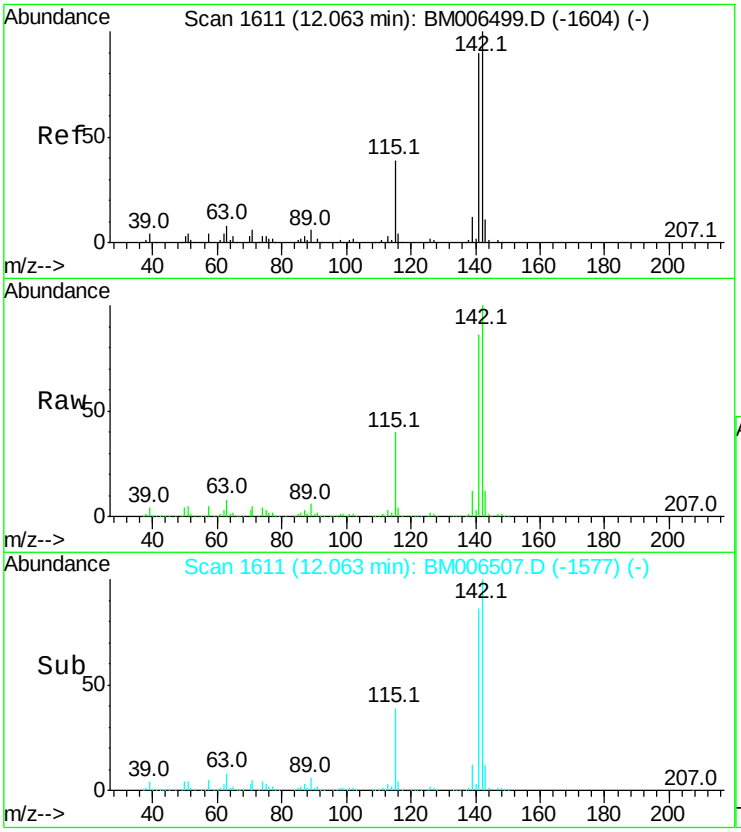


#30
4-Chloroaniline
Concen: 269.09 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. -0.09 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:127 Resp: 2583394

Ion	Ratio	Lower	Upper
127	100		
129	82.1	24.6	37.0#



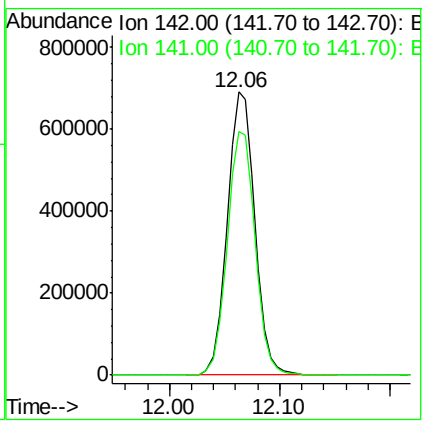


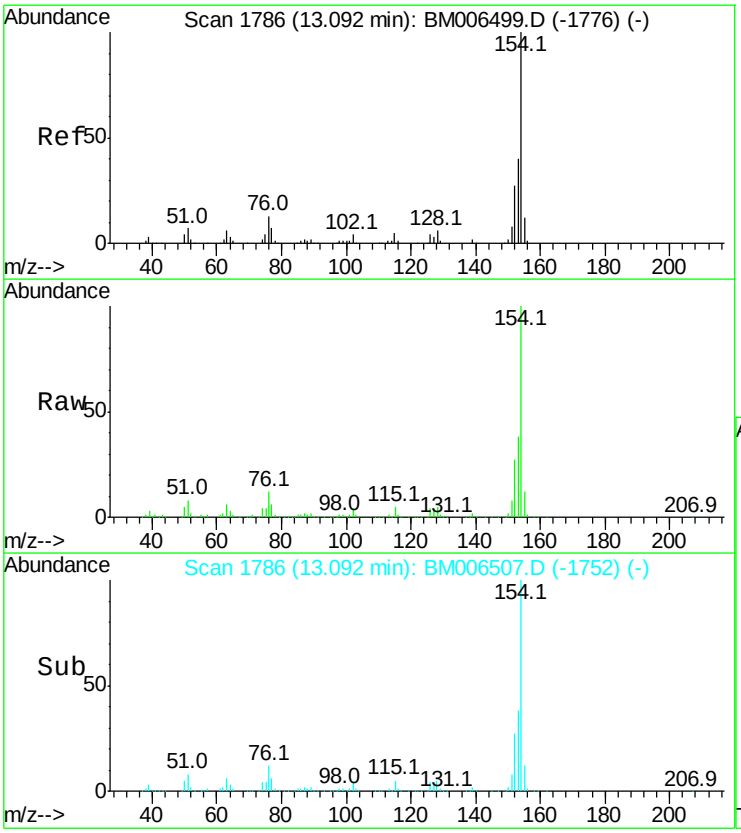
#34
2-Methylnaphthalene
Concen: 57.84 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 1205529

Ion	Ratio	Lower	Upper
142	100		
141	86.2	69.0	103.4

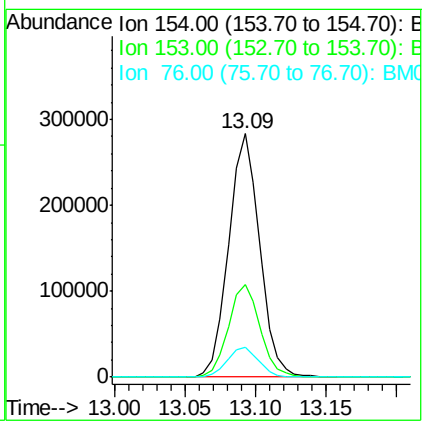


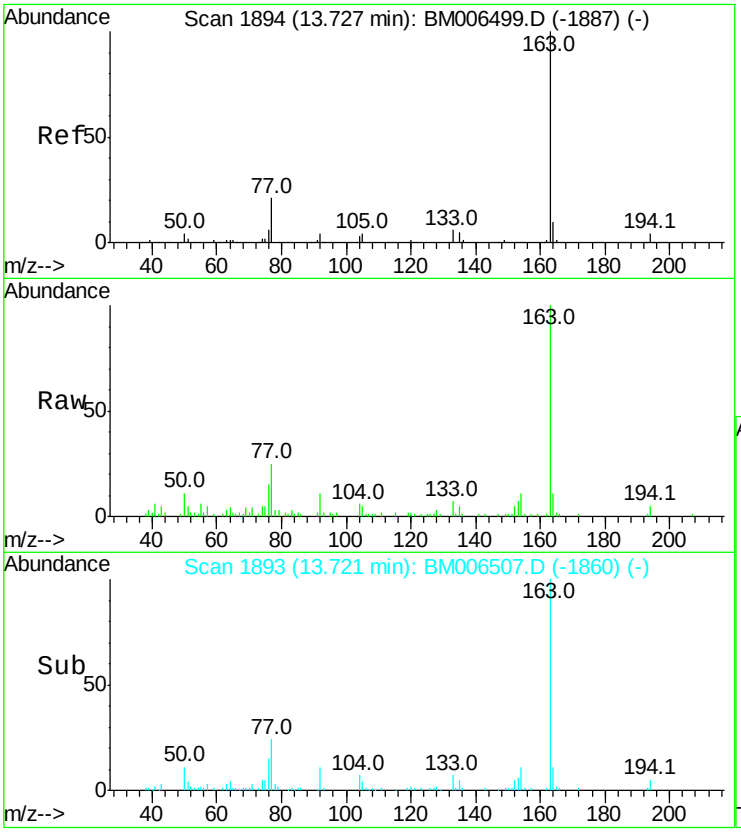


#40
1,1'-Biphenyl
Concen: 16.45 ng/ul
RT: 13.09 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:154 Resp: 432953

Ion	Ratio	Lower	Upper
154	100		
153	37.9	31.4	47.2
76	12.2	10.4	15.6



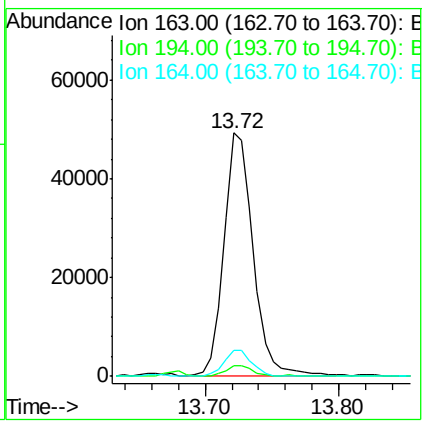


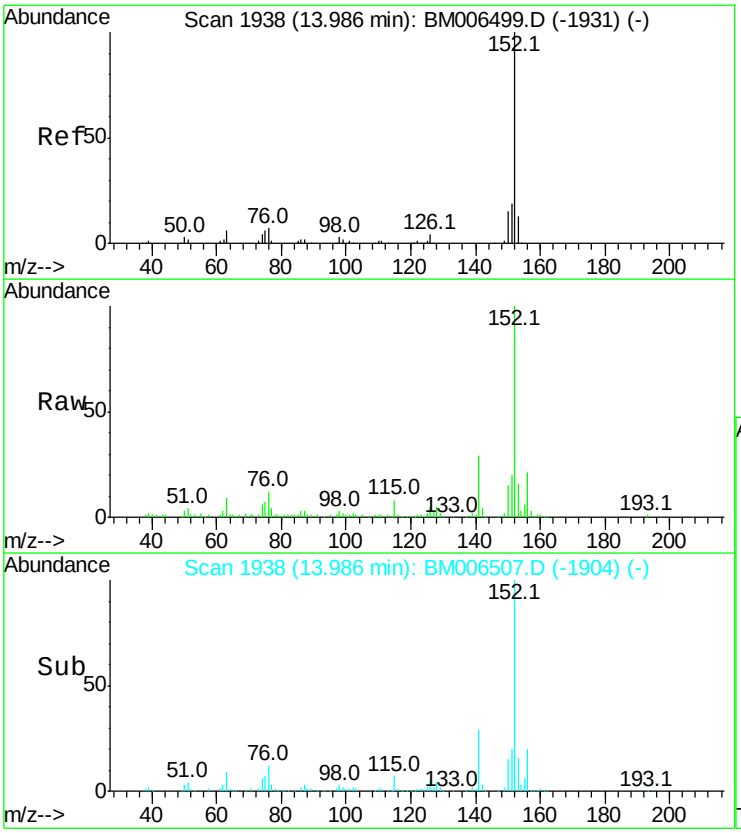
#44
Dimethylphthalate
Concen: 2.87 ng/ul
RT: 13.72 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:163 Resp: 76110

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.6	7.8	11.8

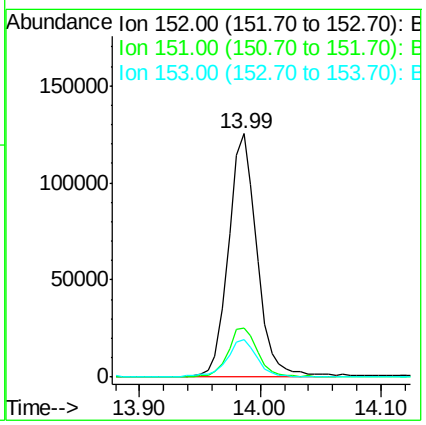


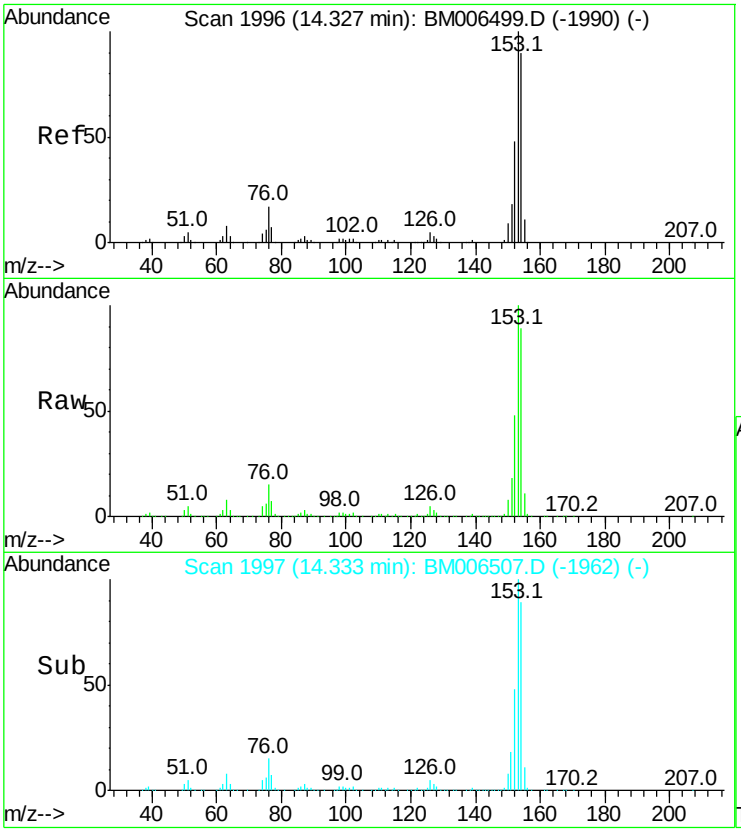


#47
Acenaphthylene
Concen: 6.17 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:152 Resp: 207550

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.6	23.4
153	15.5	10.3	15.5#



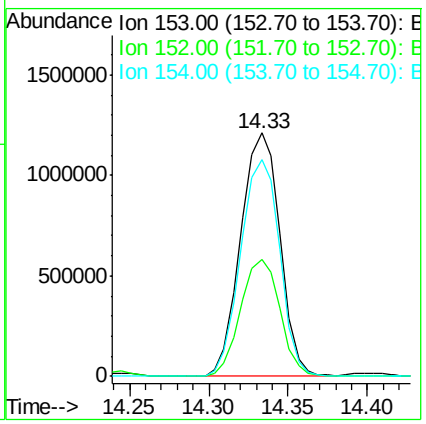


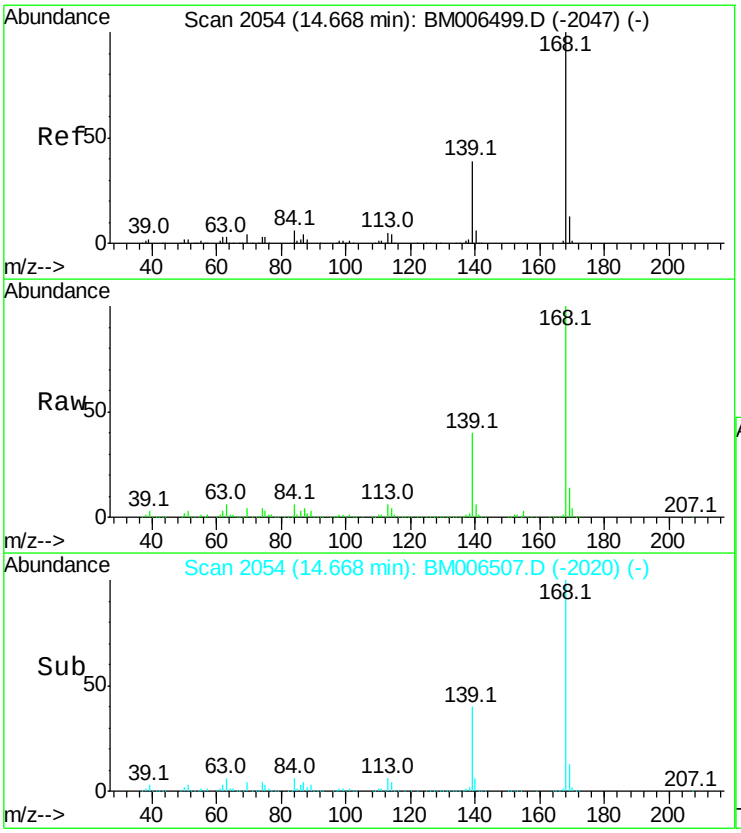
#49
Acenaphthene
Concen: 96.62 ng/ul
RT: 14.33 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:153 Resp: 2090490

Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.7	56.5
154	88.8	70.0	105.0

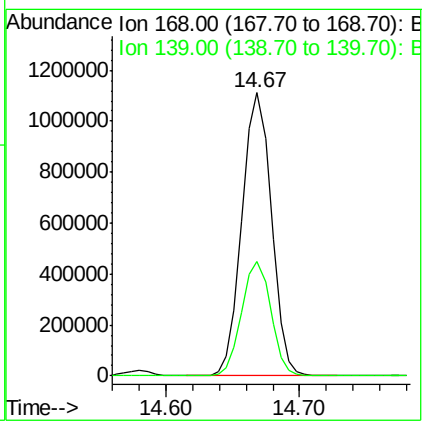


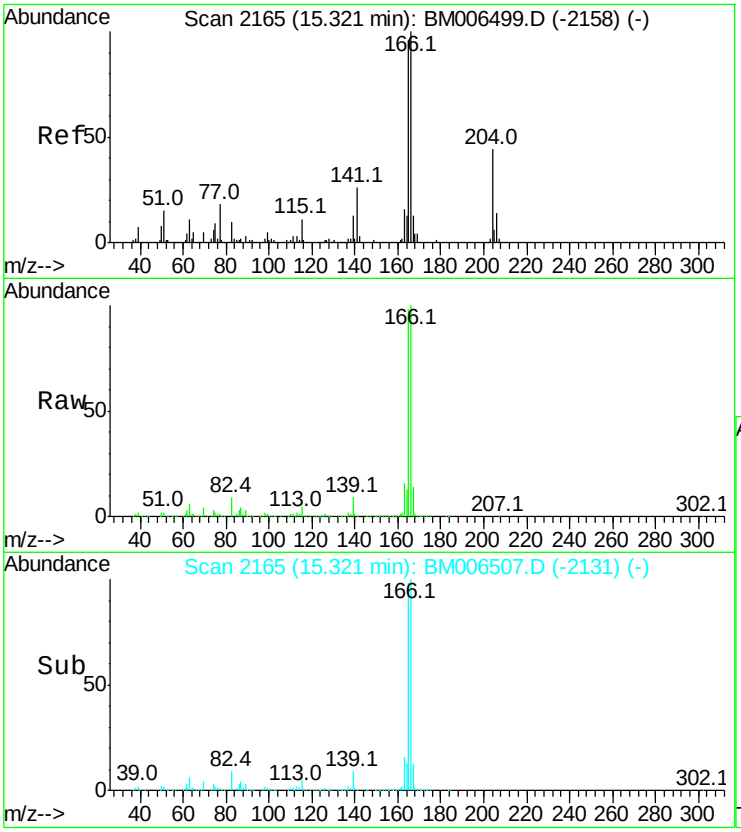


#53
Dibenzofuran
Concen: 53.80 ng/ul
RT: 14.67 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:168 Resp: 1694468

Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.6	46.0



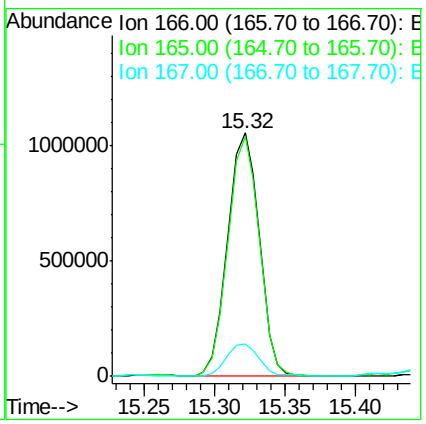


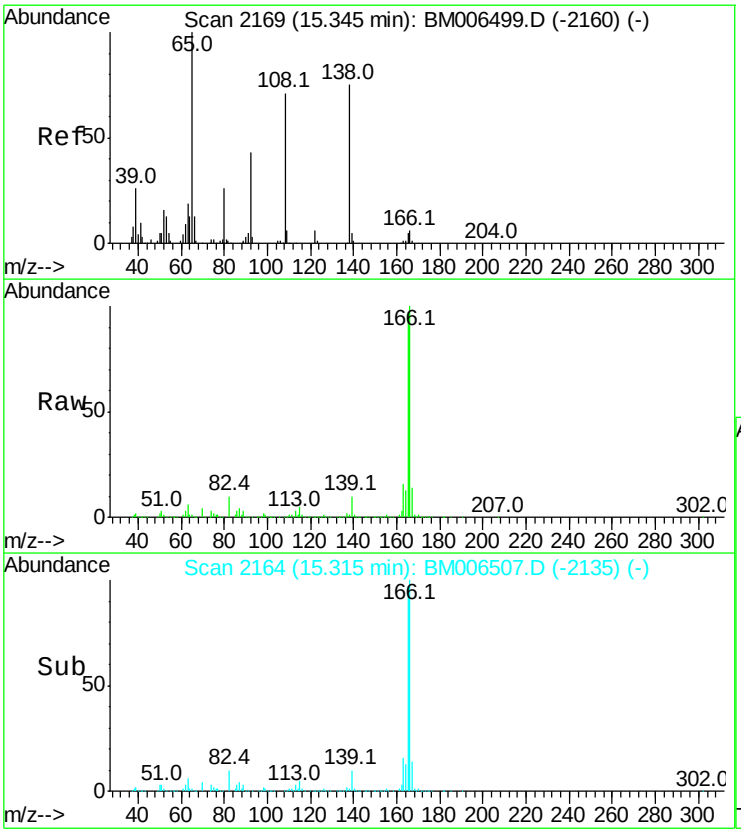
#58
Fluorene
Concen: 65.34 ng/ul
RT: 15.32 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 1646226

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.5	10.8	16.2

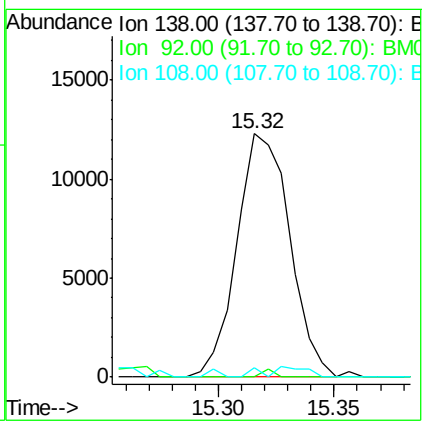


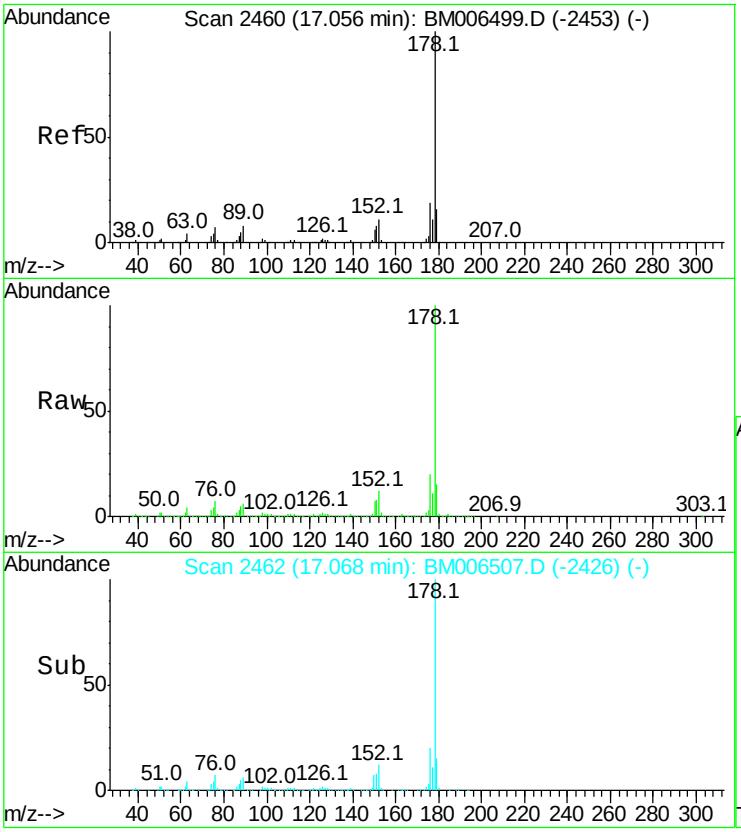


#60
4-Nitroaniline
Concen: 3.34 ng/ul
RT: 15.32 min Scan# 2164
Delta R.T. -0.03 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:138 Resp: 19619

Ion	Ratio	Lower	Upper
138	100		
92	0.0	43.4	65.0#
108	3.6	79.9	119.9#



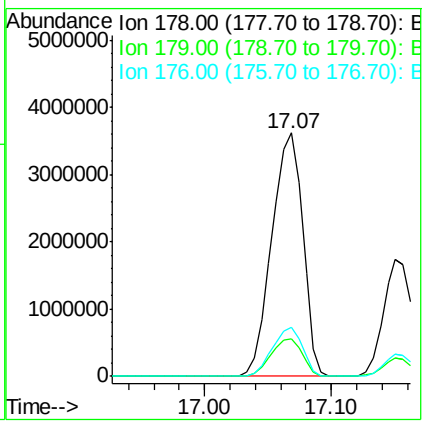


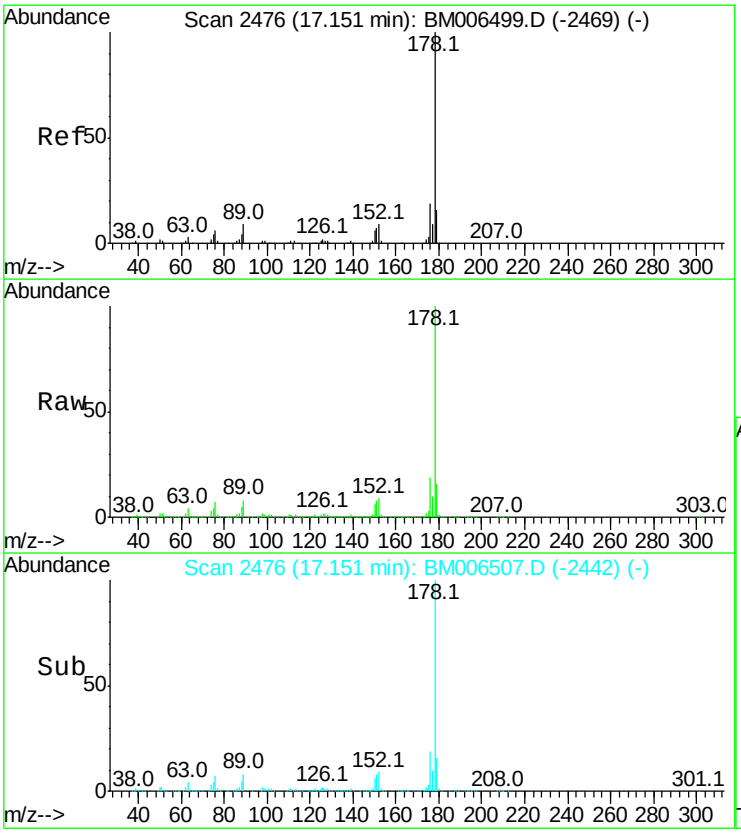
#69
Phenanthrene
Concen: 156.77 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 6123131

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	20.0	15.2	22.8

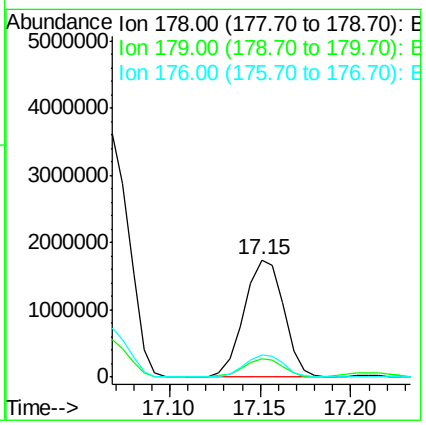


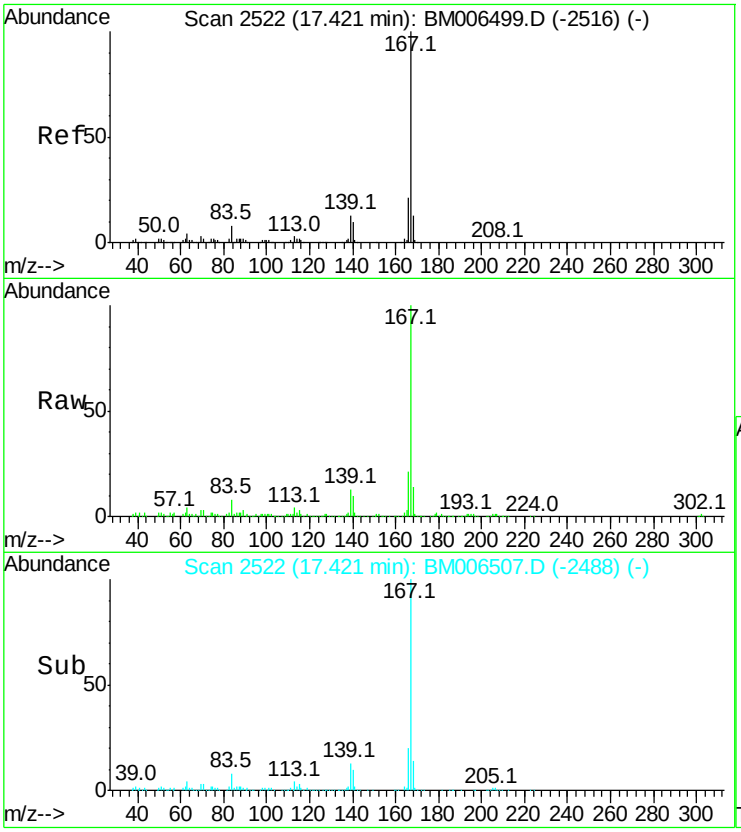


#71
Anthracene
Concen: 65.80 ng/ul
RT: 17.15 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:178 Resp: 2643322

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.0	18.0
176	19.2	15.0	22.6



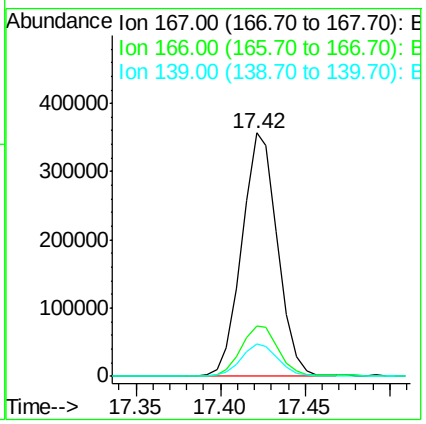


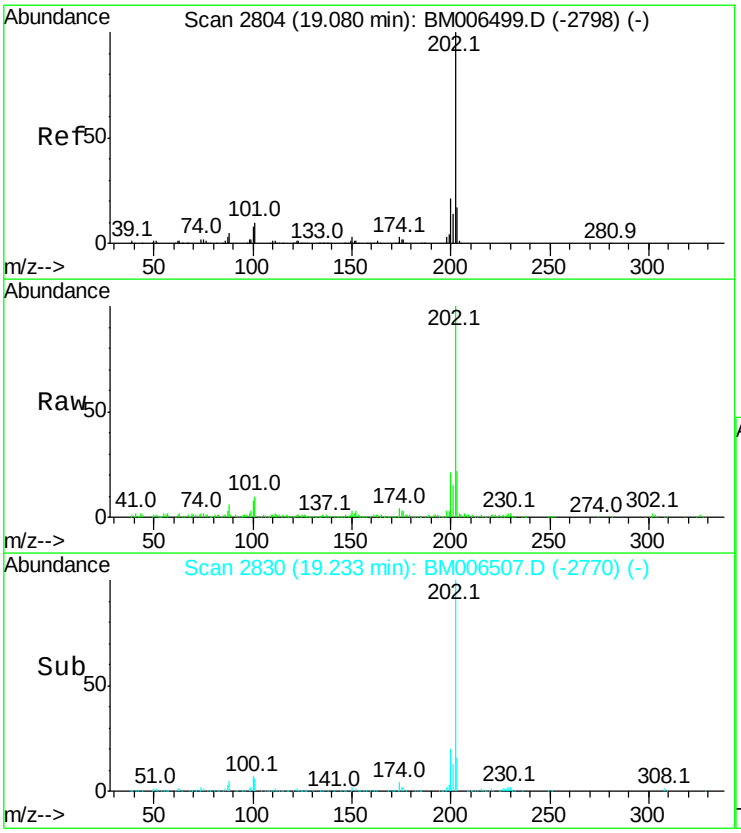
#72
Carbazole
Concen: 15.33 ng/ul
RT: 17.42 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 520682

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	13.2	10.2	15.4

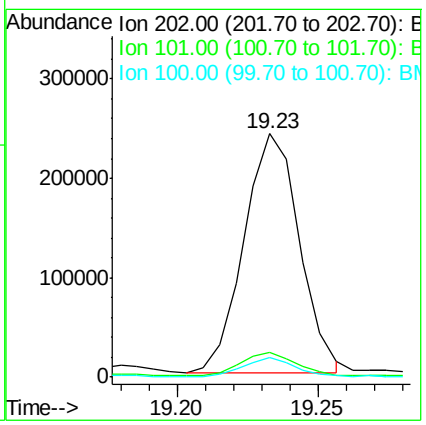


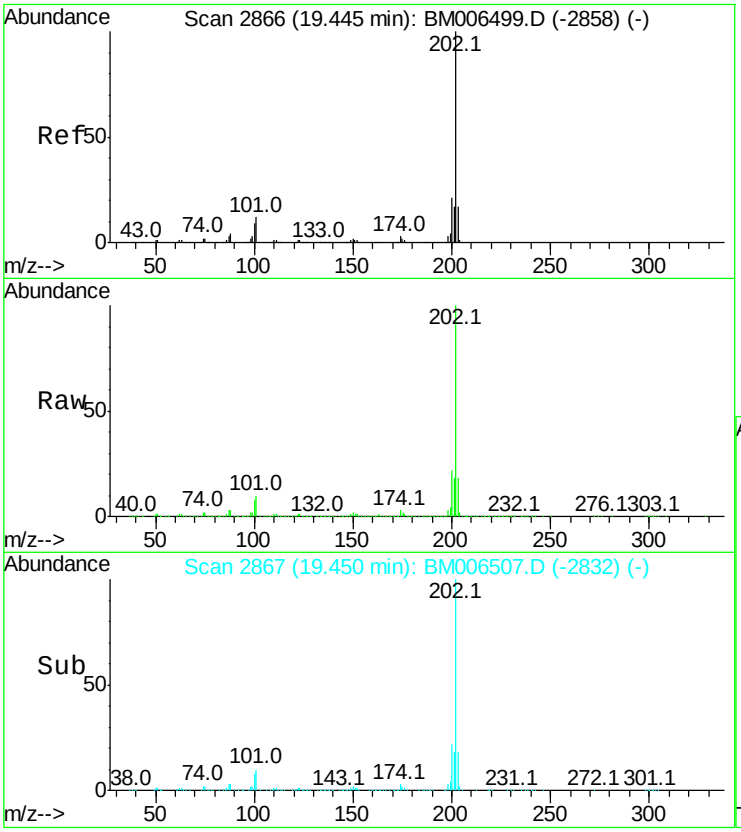


#74
Fluoranthene
Concen: 7.18 ng/ul
RT: 19.23 min Scan# 2830
Delta R.T. 0.15 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:202 Resp: 326075

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.6	12.8
100	8.3	6.4	9.6



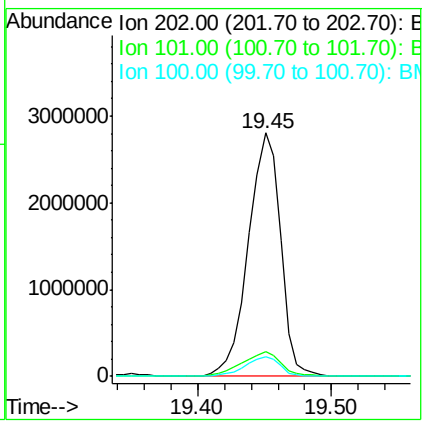


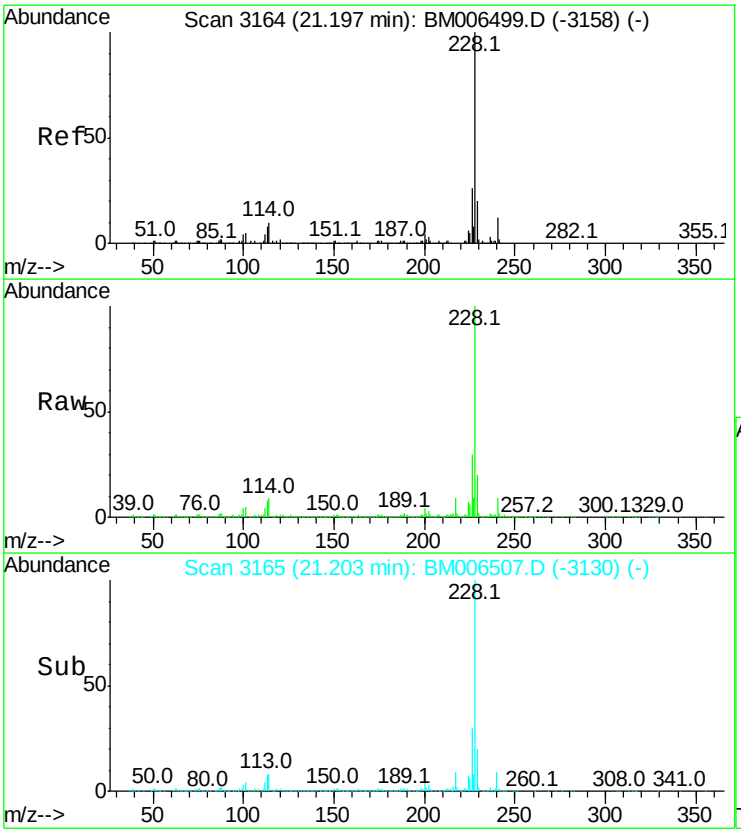
#77
Pyrene
Concen: 105.51 ng/ul
RT: 19.45 min Scan# 2867
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 4658022

Ion	Ratio	Lower	Upper
202	100		
101	10.2	10.0	15.0
100	8.0	7.9	11.9

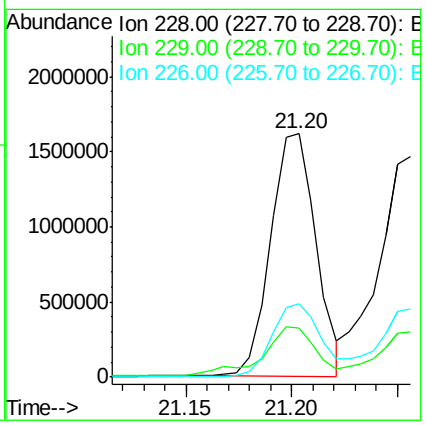


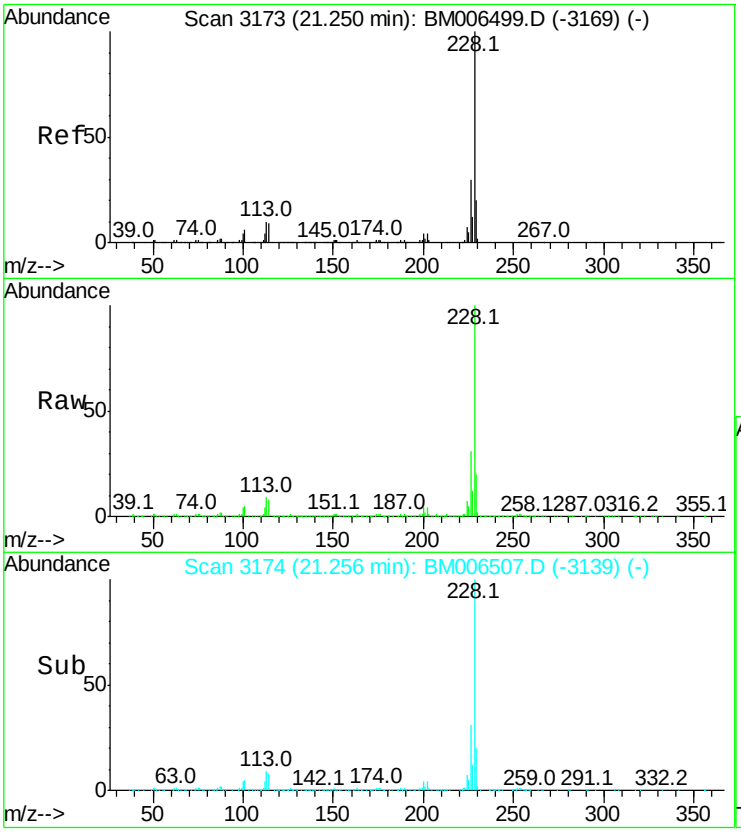


#80
Benzo(a)anthracene
Concen: 53.46 ng/ul
RT: 21.20 min Scan# 3165
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:228 Resp: 2412733

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.6	23.4
226	29.9	21.4	32.2



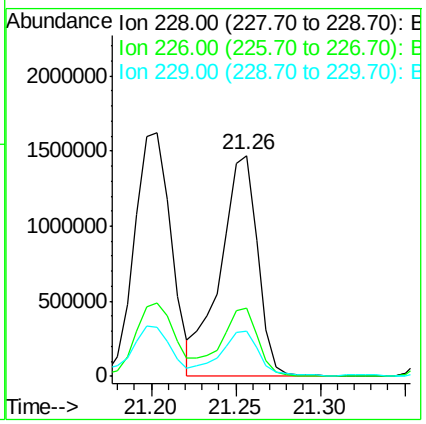


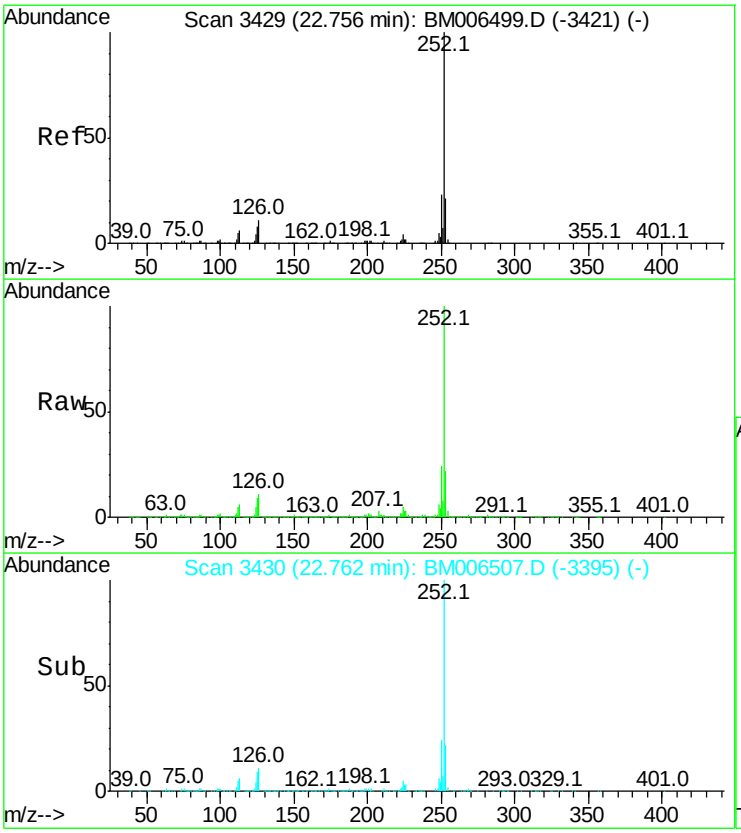
#82
Chrysene
Concen: 52.71 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 2239637

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.3	34.9
229	20.4	15.8	23.8

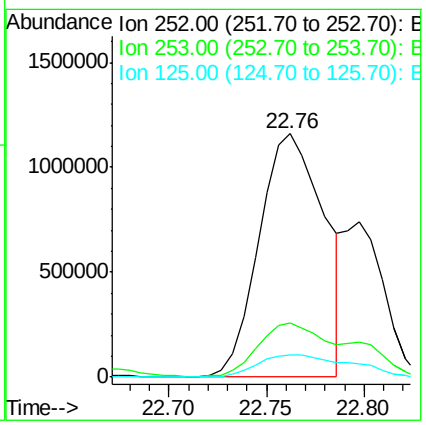


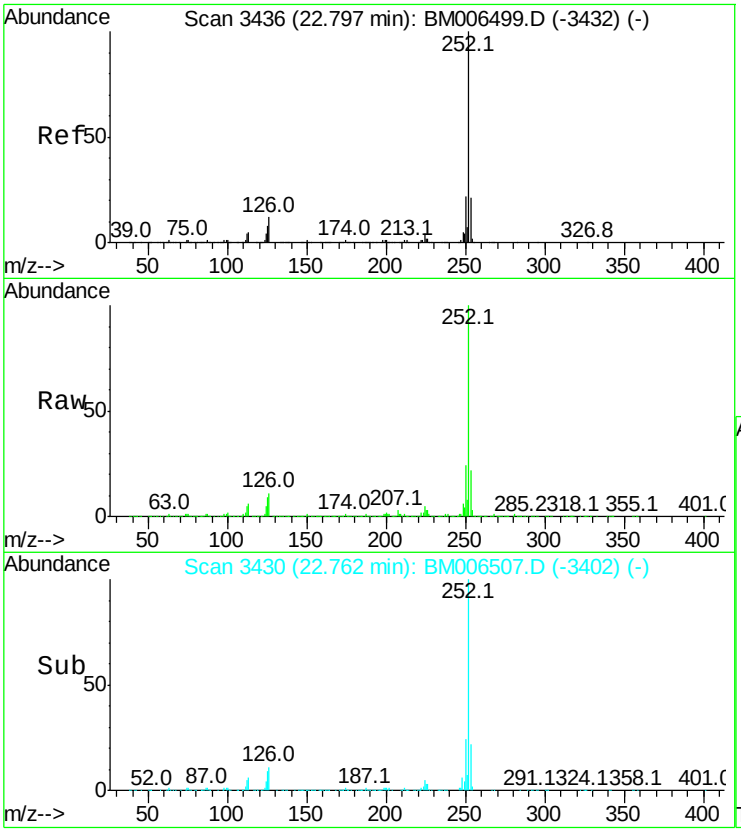


#85
Benzo(b)fluoranthene
Concen: 51.15 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:252 Resp: 2665283

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.3	6.7	10.1



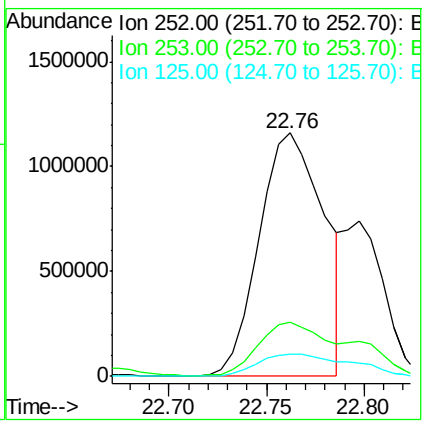


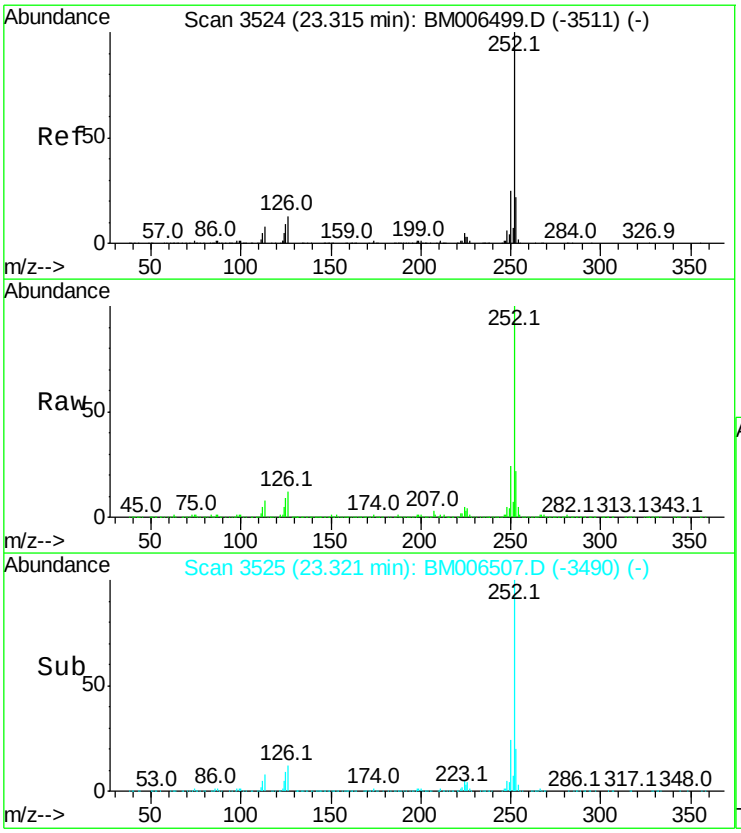
#86
Benzo(k)fluoranthene
Concen: 54.38 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. -0.04 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 2665283

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.3	7.0	10.4

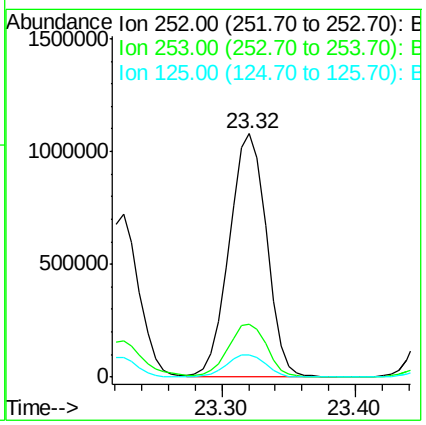


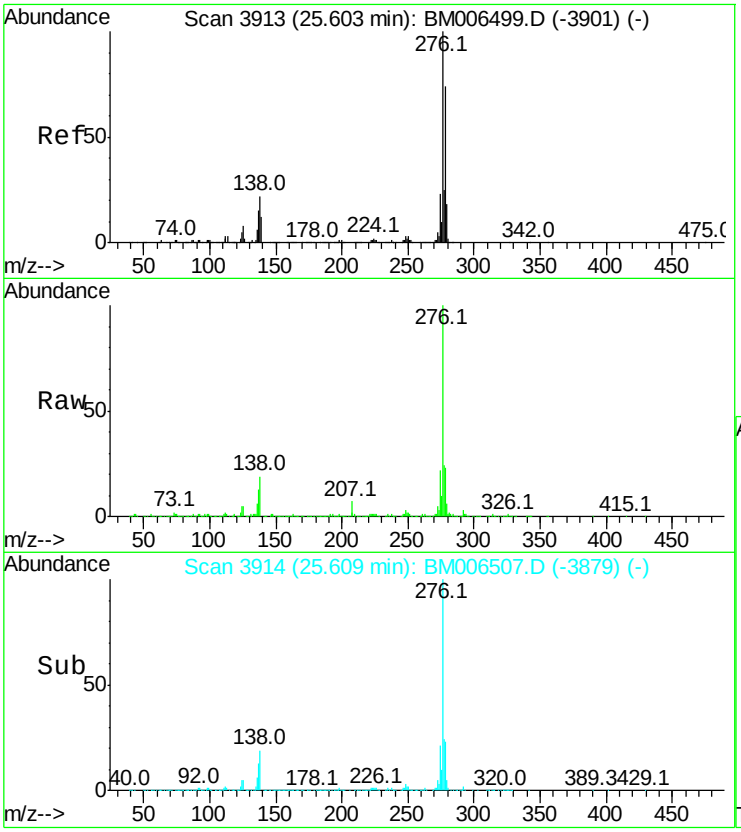


#88
Benzo(a)pyrene
Concen: 41.55 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:252 Resp: 2073811

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.1	7.6	11.4



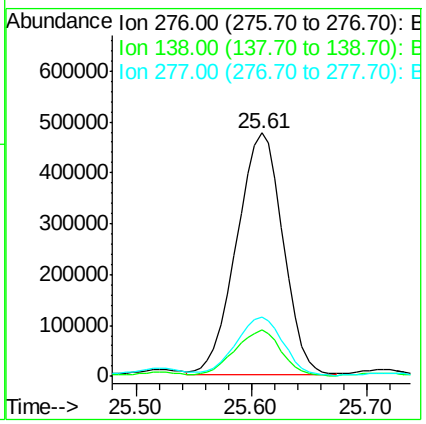


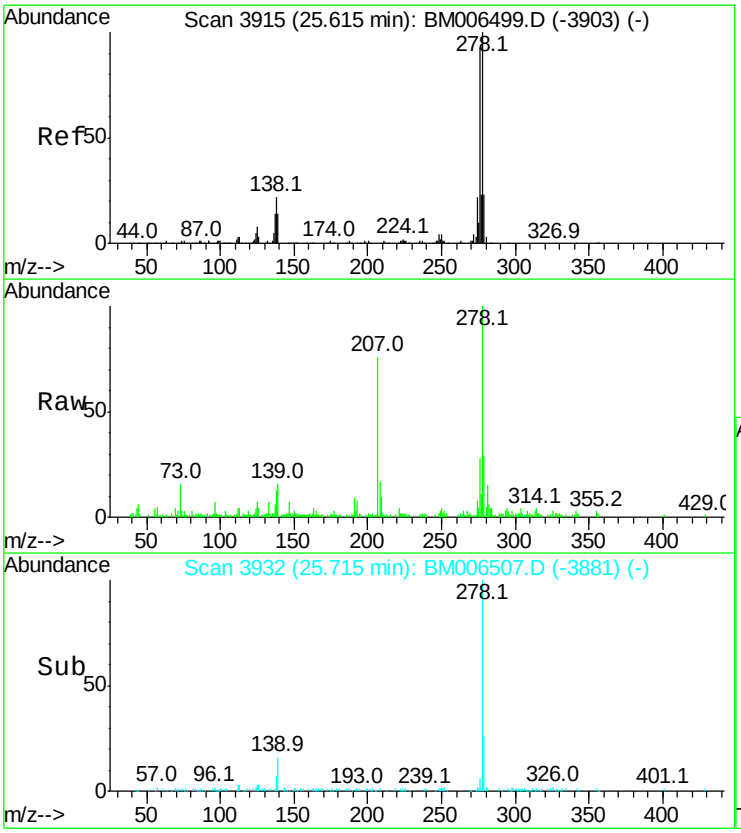
#89
Indeno(1,2,3-cd)pyrene
Concen: 22.84 ng/ul
RT: 25.61 min Scan# 3914
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 1326272

Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.8	26.6
277	24.4	20.1	30.1

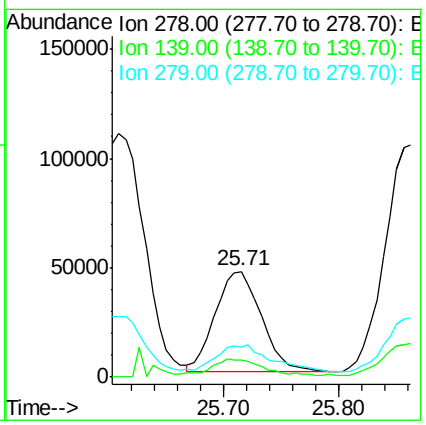


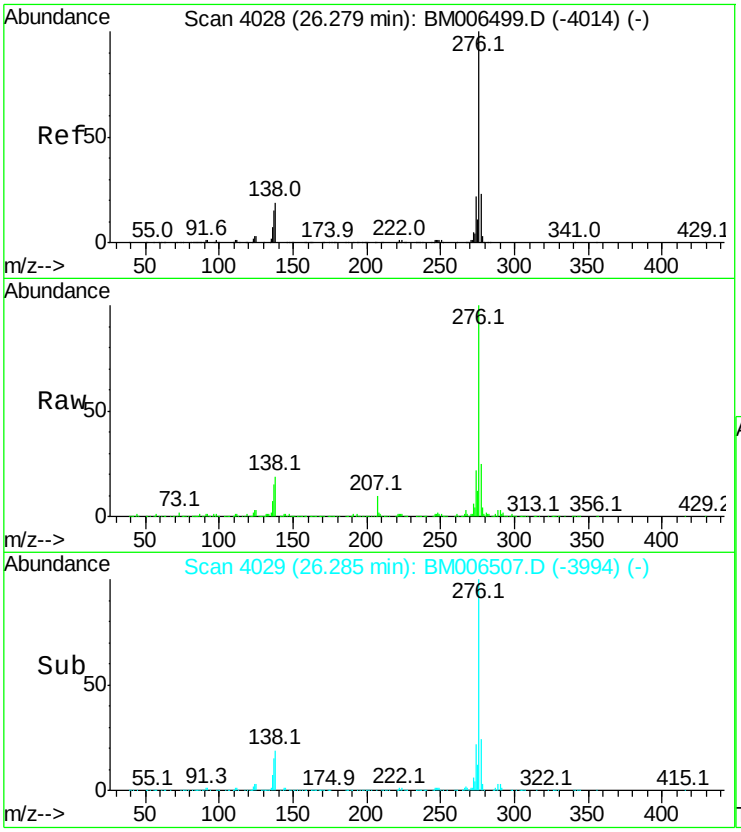


#90
Dibenzo(a,h)anthracene
Concen: 2.63 ng/ul
RT: 25.71 min Scan# 3932
Delta R.T. 0.10 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:278 Resp: 126840

Ion	Ratio	Lower	Upper
278	100		
139	16.3	11.7	17.5
279	28.8	19.2	28.8





#91
Benzo(g,h,i)perylene
Concen: 22.11 ng/ul
RT: 26.29 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 1134780

Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.0	22.4
277	24.7	19.0	28.4