Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071916\
Data File : BM006548.D
Acq On : 20 Jul 2016 09:30
Operator : UM/SJ
Sample : H3959-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

Quant Time: Jul 20 13:53:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 20 04:22:37 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	190962	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	793804	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	433393	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	962699	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	1033034	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	1190290	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	6509	1.44	ng/uL	0.00
5) Phenol-d5	6.79	99	254118	16.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	170031	17.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	203427	16.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	203087	16.33	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	96587	16.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	104166	15.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	188105	14.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	265090	19.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	572960	16.15	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	728899	16.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	61201	9.93	ng/ul	0.00
57) Fluorene-d10	15.26	176	519834	16.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	41197	7.40	ng/ul	0.00
70) Anthracene-d10	17.12	188	767875	16.87	ng/ul	0.00
76) Pyrene-d10	19.42	212	829654	17.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	924266	16.98	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.46	128	10204413	253.27	ng/ul	99
30) 4-Chloroaniline	10.46	127	1379419	98.64	ng/ul#	10
34) 2-Methylnaphthalene	12.06	142	1114462	36.71	ng/ul	98
40) 1,1'-Biphenyl	13.09	154	323395	9.05	ng/ul	100
44) Dimethylphthalate	13.72	163	113447	3.15	ng/ul	99
47) Acenaphthylene	13.98	152	158471	3.47	ng/ul#	96
49) Acenaphthene	14.33	153	1870371	63.65	ng/ul	98
53) Dibenzofuran	14.67	168	1432418	33.48	ng/ul	100
58) Fluorene	15.32	166	1428134	41.74	ng/ul	100
60) 4-Nitroaniline	15.32	138	16472	2.06	ng/ul#	11
69) Phenanthrene	17.06	178	5500055	103.90	ng/ul	98
71) Anthracene	17.15	178	2114792	38.84	ng/ul	99
72) Carbazole	17.42	167	367102	7.97	ng/ul	98
74) Fluoranthene	19.09	202	5030406	81.77	ng/ul	96
77) Pyrene	19.45	202	4140348	67.13	ng/ul	96
80) Benzo(a)anthracene	21.20	228	2059388	32.66	ng/ul	97
82) Chrysene	21.25	228	1781389	30.01	ng/ul	98
85) Benzo(b)fluoranthene	22.76	252	2392820	33.64	ng/ul	98
86) Benzo(k)fluoranthene	22.76	252	2392820	35.76	ng/ul	98
88) Benzo(a)pyrene	23.31	252	1700471	24.96	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.60	276	1062090	13.40	ng/ul	96
90) Dibenzo(a,h)anthracene	25.60	278	282769	4.29	ng/ul#	83
91) Benzo(g,h,i)perylene	26.27	276	861455	12.29	ng/ul	99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071916\
Data File : BM006548.D
Acq On : 20 Jul 2016 09:30
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Sample : H3959-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

Quant Time: Jul 20 13:53:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 20 04:22:37 2016
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\BM071916\
Data File : BM006548.D
Acq On : 20 Jul 2016 09:30
Operator : UM/SJ
Sample : H3959-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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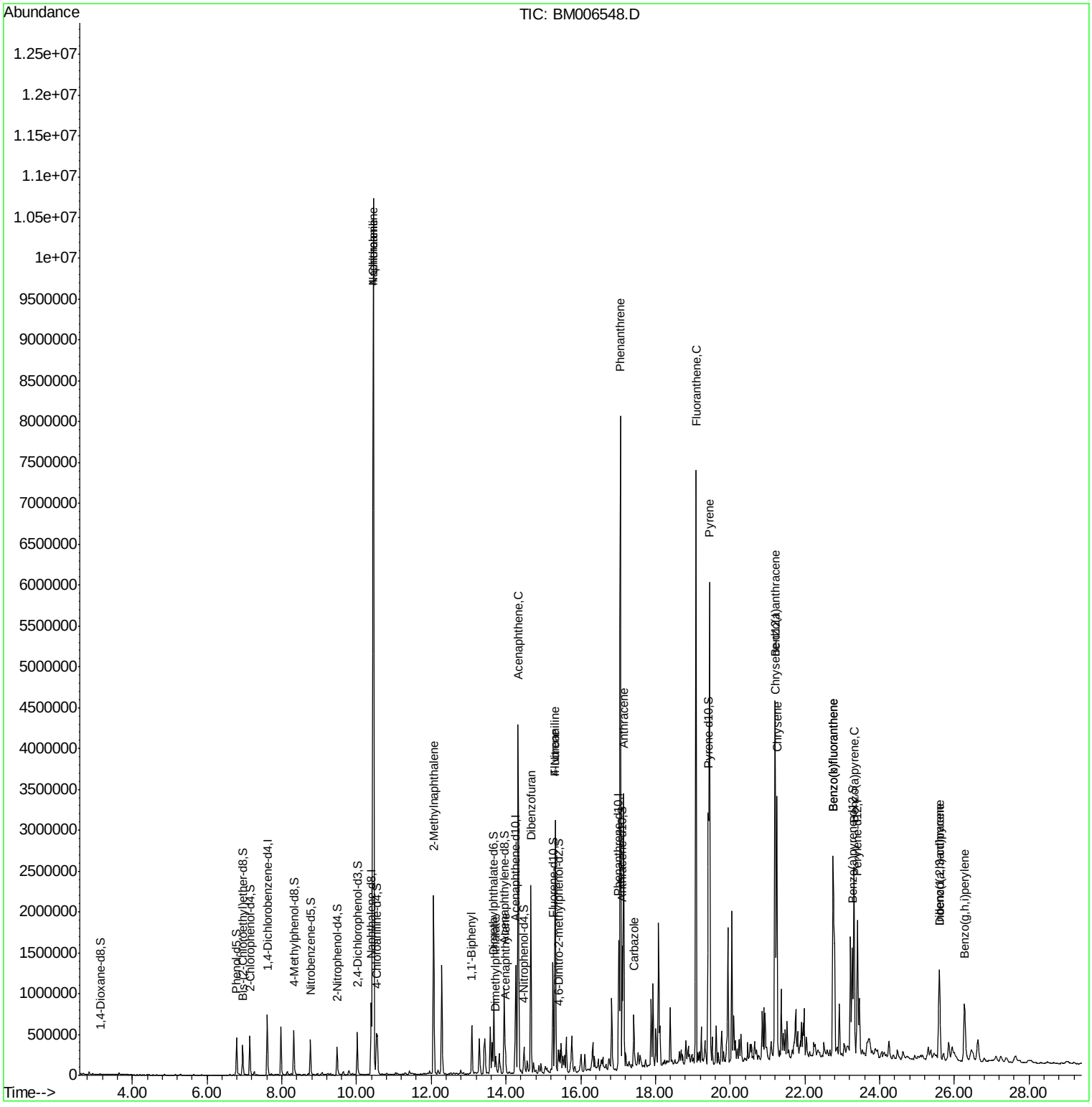
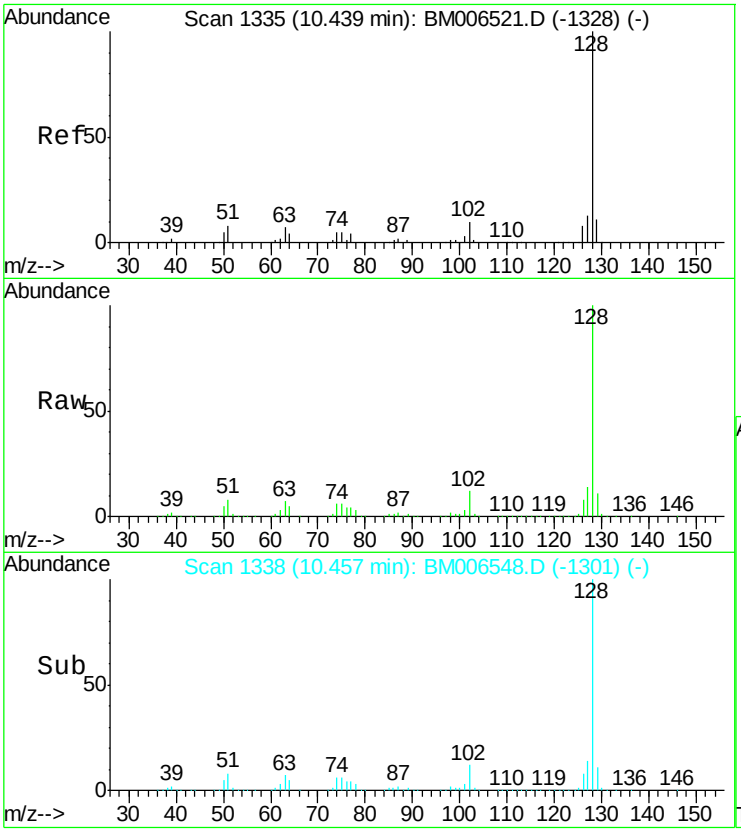
Quant Time: Jul 20 13:53:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 20 04:22:37 2016
Response via : Initial Calibration



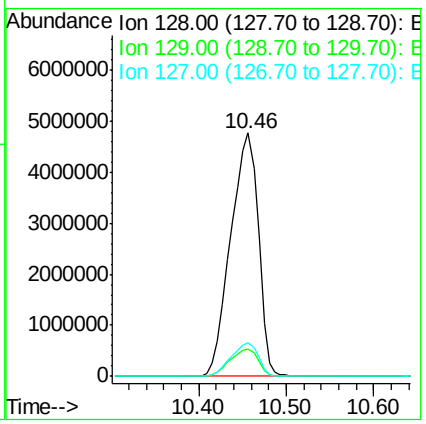


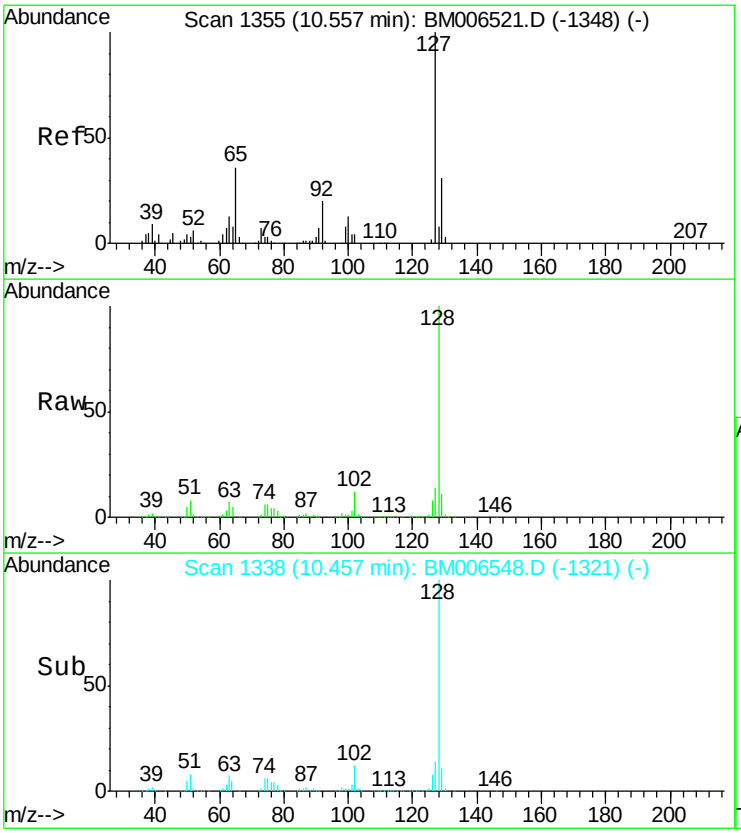
#28
Naphthalene
Concen: 253.27 ng/ul
RT: 10.46 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:128 Resp:10204413

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.9	10.9	16.3

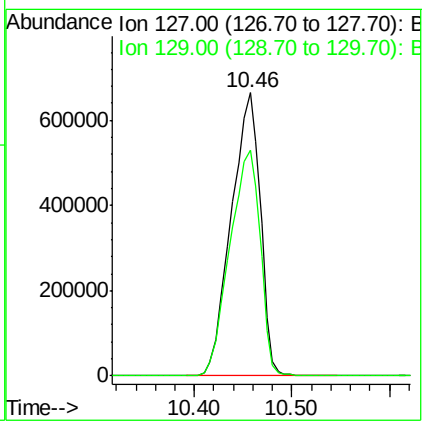


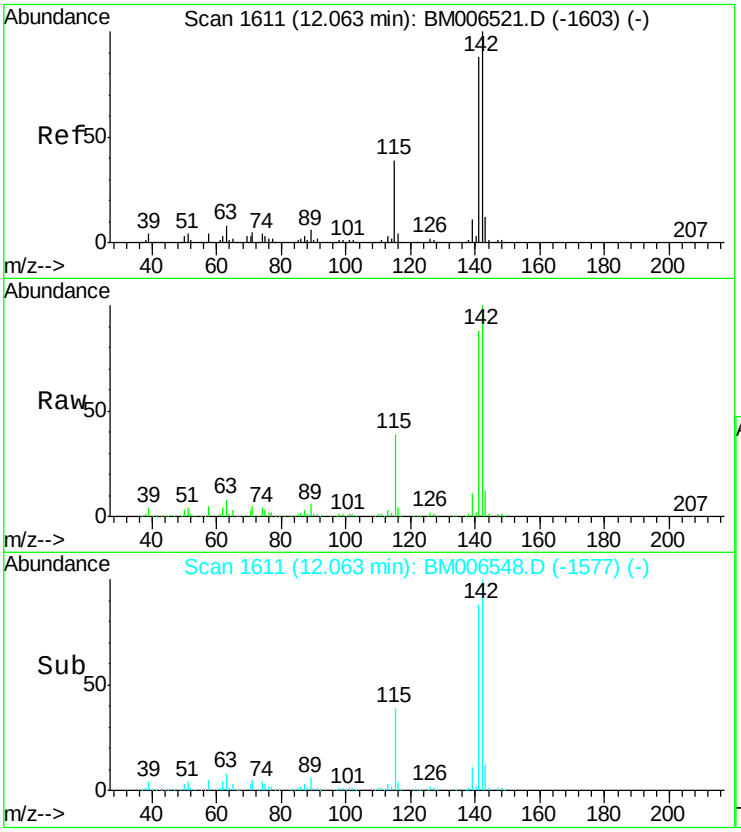


#30
4-Chloroaniline
Concen: 98.64 ng/ul
RT: 10.46 min Scan# 1338
Delta R.T. -0.10 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:127 Resp: 1379419

Ion	Ratio	Lower	Upper
127	100		
129	79.9	24.6	37.0#



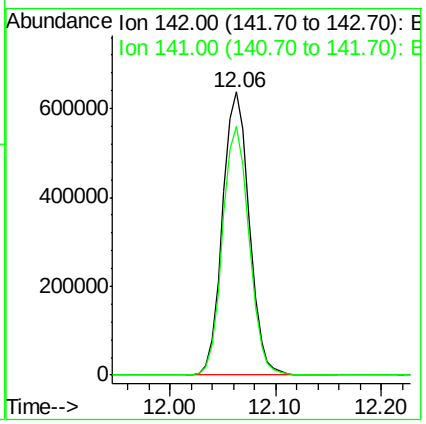


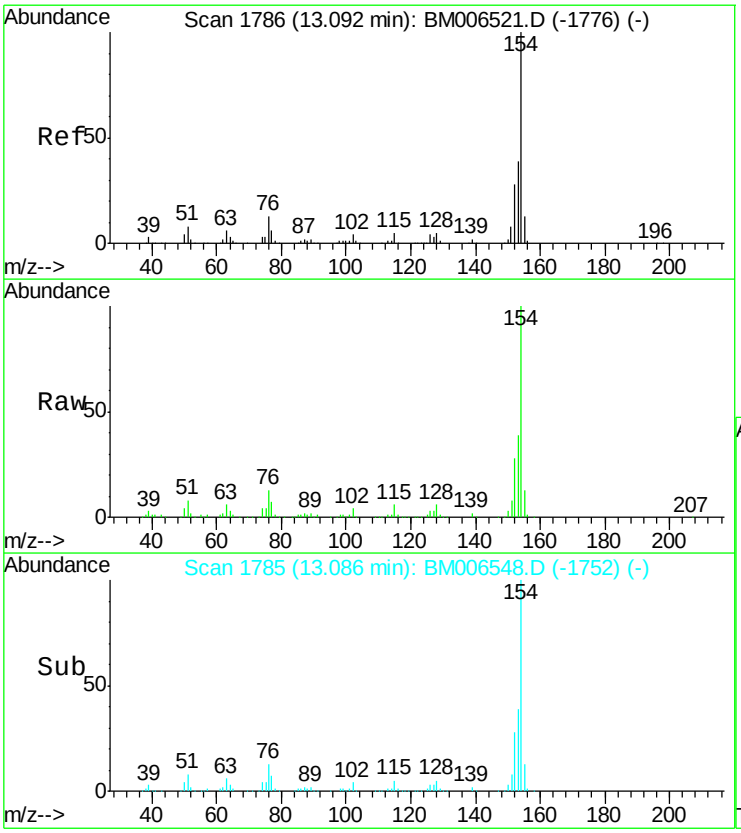
#34
2-Methylnaphthalene
Concen: 36.71 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:142 Resp: 1114462

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.0	103.4

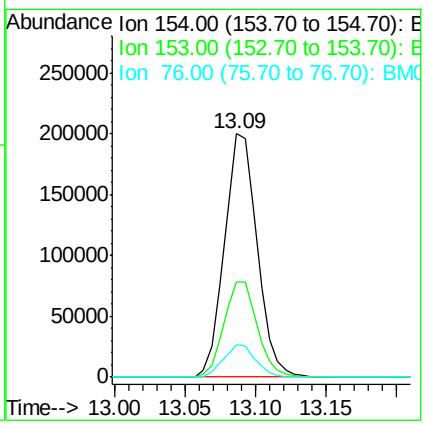


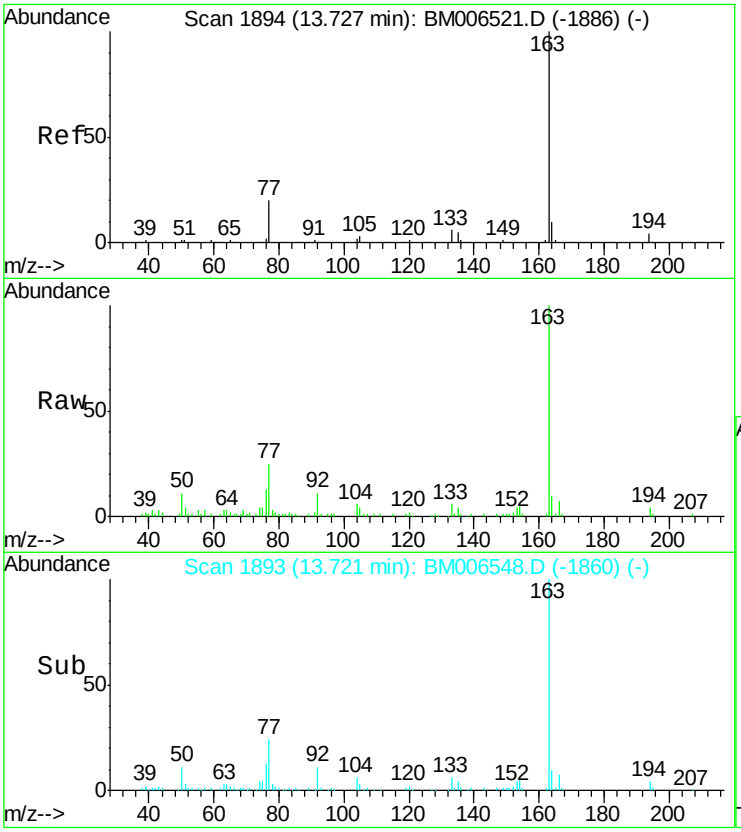


#40
1,1'-Biphenyl
Concen: 9.05 ng/ul
RT: 13.09 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:154 Resp: 323395

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.4	47.2
76	13.4	10.4	15.6



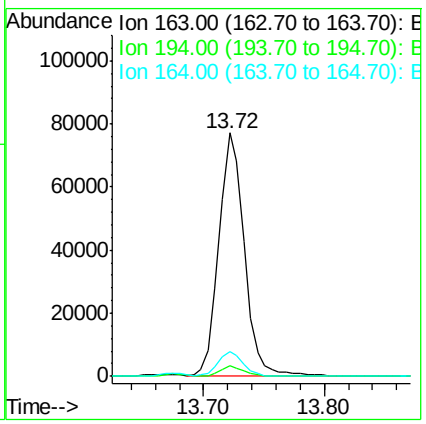


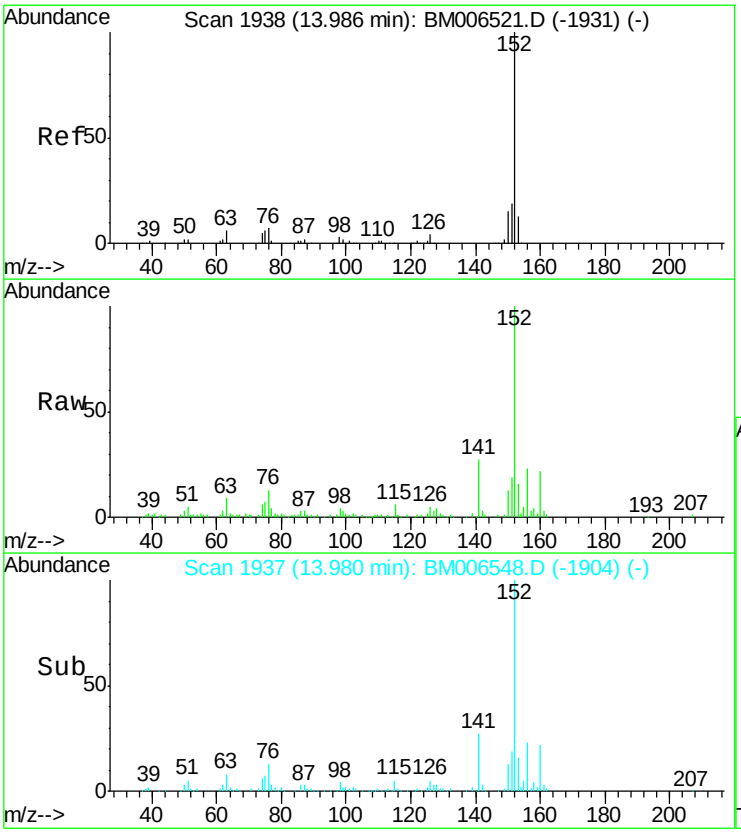
#44
Dimethylphthalate
Concen: 3.15 ng/ul
RT: 13.72 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:163 Resp: 113447

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	7.8	11.8

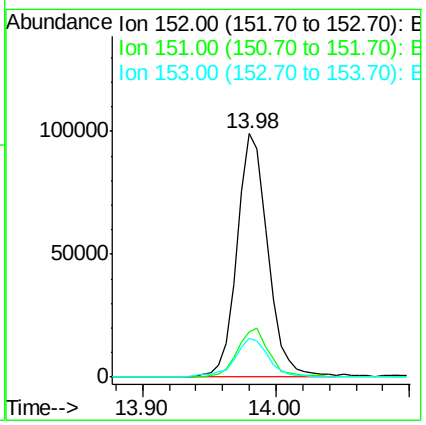


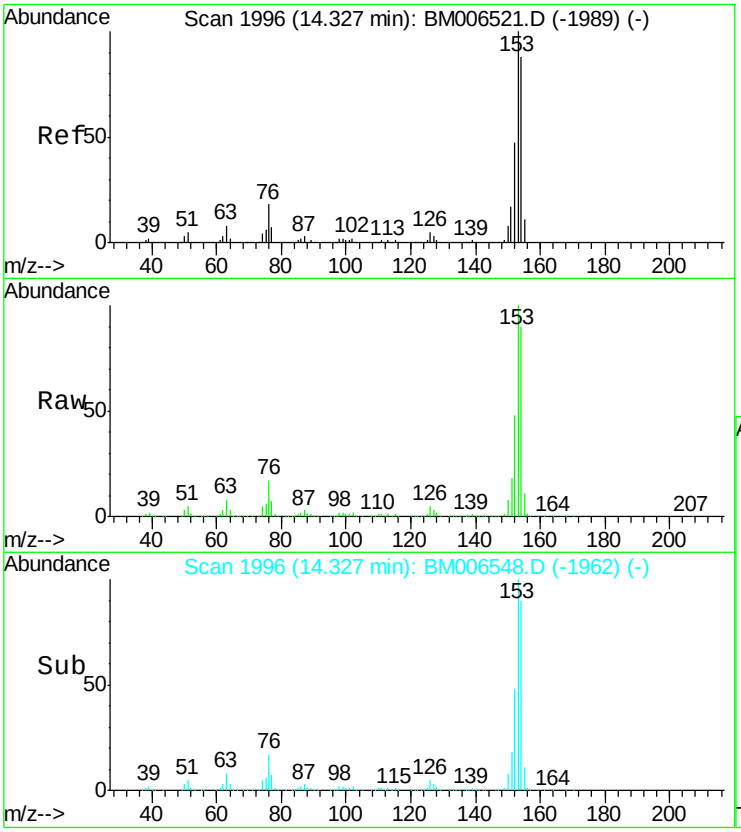


#47
Acenaphthylene
Concen: 3.47 ng/ul
RT: 13.98 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:152 Resp: 158471

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.6	23.4
153	15.9	10.3	15.5#



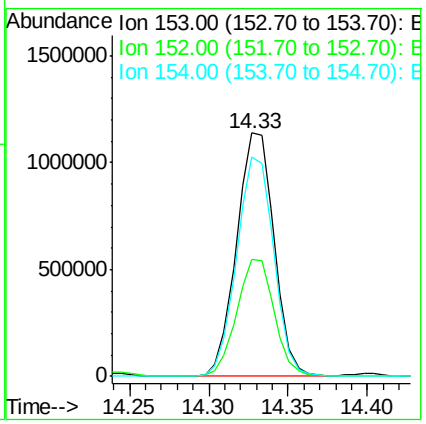


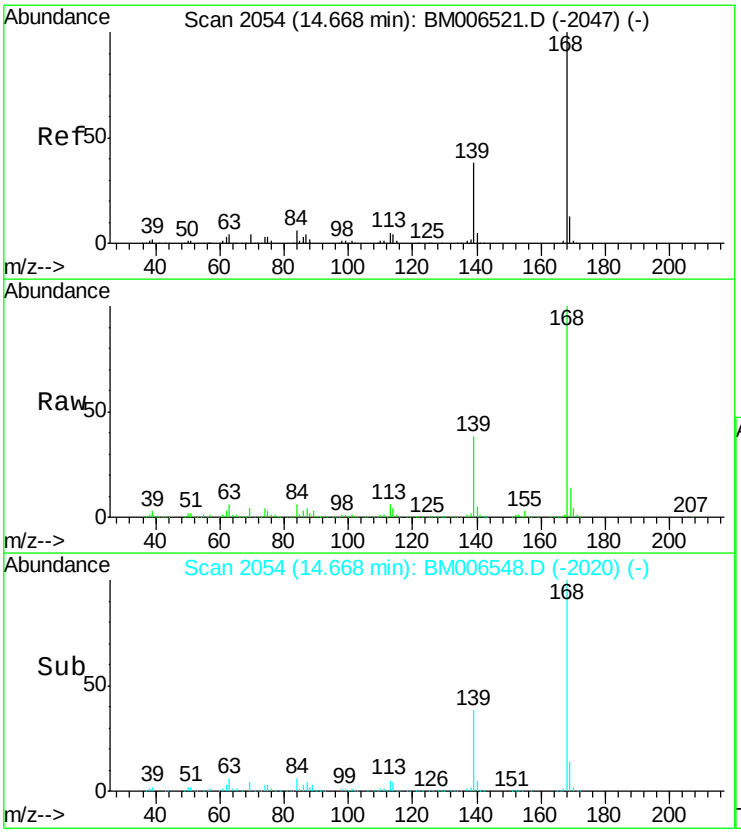
#49
Acenaphthene
Concen: 63.65 ng/ul
RT: 14.33 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:153 Resp: 1870371

Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.7	56.5
154	90.1	70.0	105.0

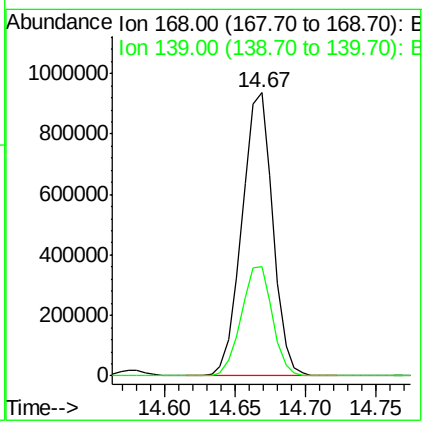


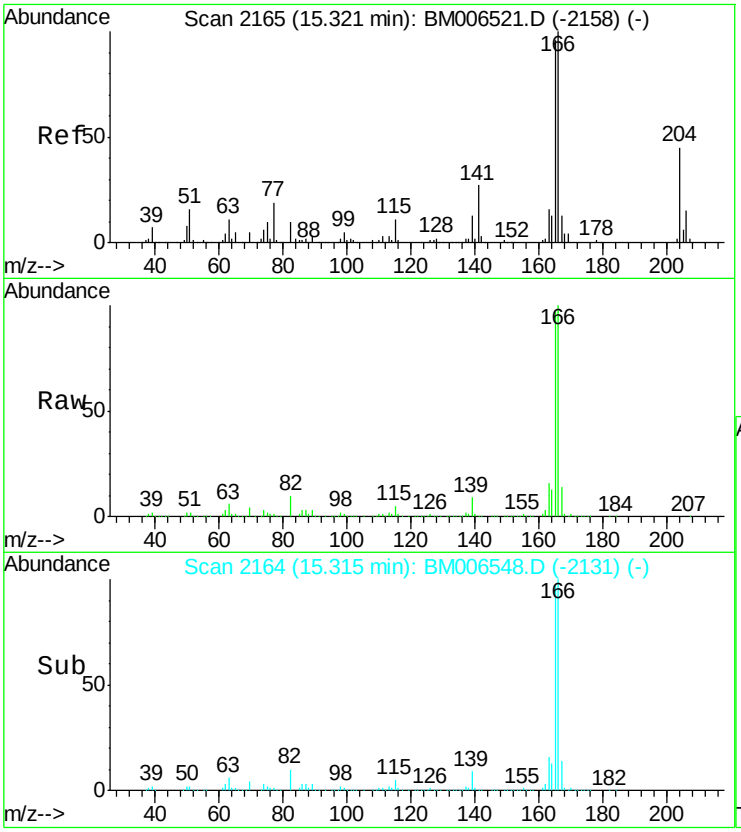


#53
Dibenzofuran
Concen: 33.48 ng/ul
RT: 14.67 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:168 Resp: 1432418

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	46.0



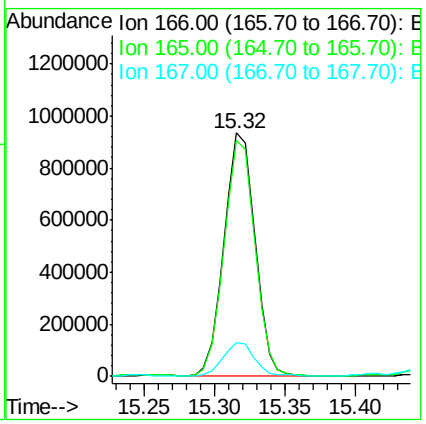


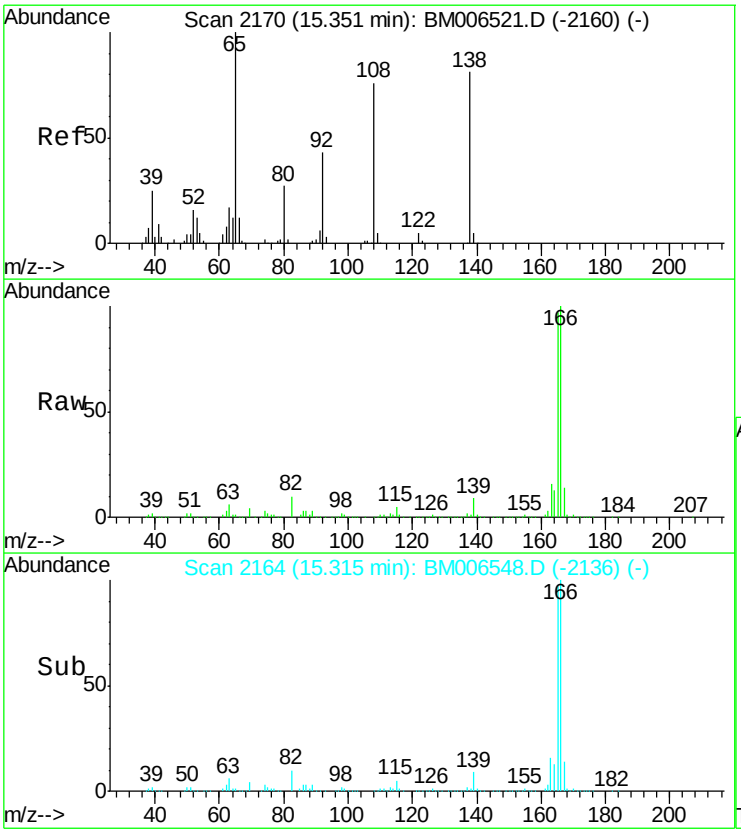
#58
Fluorene
Concen: 41.74 ng/ul
RT: 15.32 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:166 Resp: 1428134

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.7	10.8	16.2

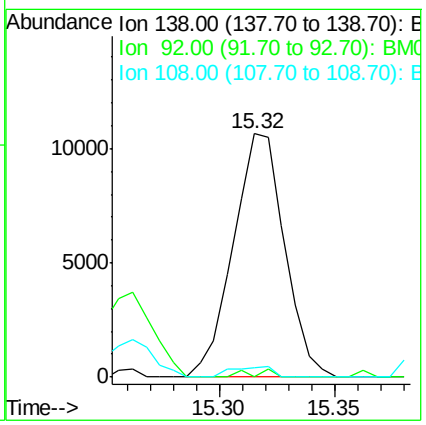


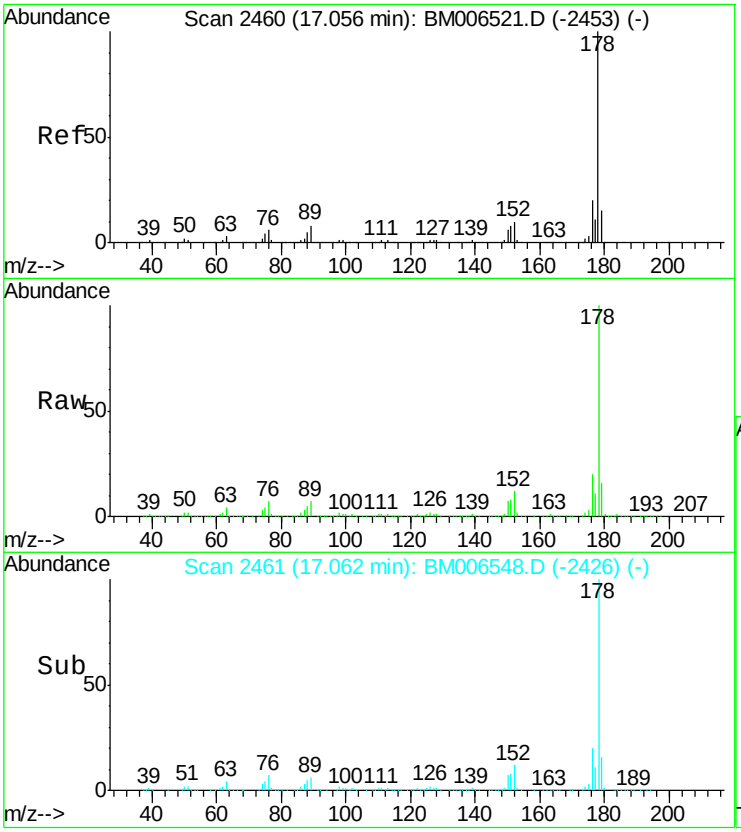


#60
4-Nitroaniline
Concen: 2.06 ng/ul
RT: 15.32 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:138 Resp: 16472

Ion	Ratio	Lower	Upper
138	100		
92	0.0	43.4	65.0#
108	3.7	79.9	119.9#



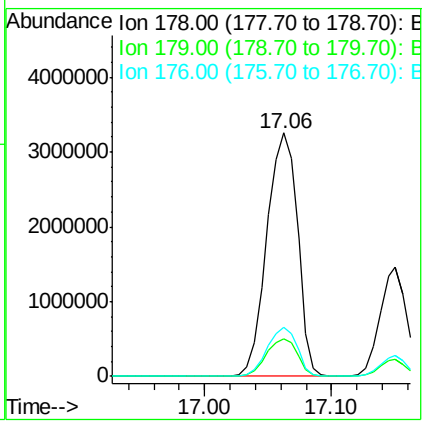


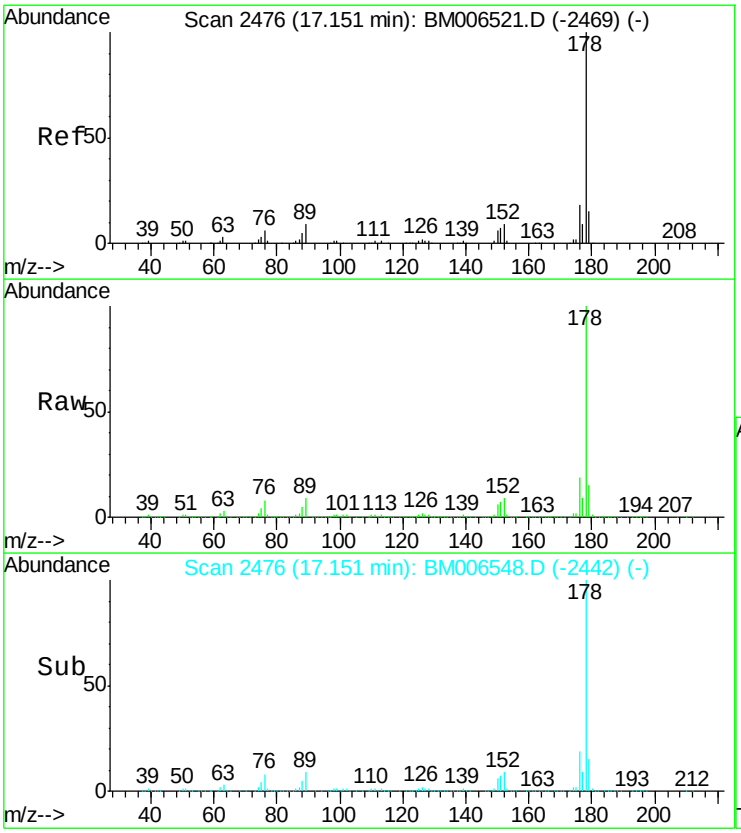
#69
Phenanthrene
Concen: 103.90 ng/ul
RT: 17.06 min Scan# 2461
Delta R.T. 0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:178 Resp: 5500055

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	20.0	15.2	22.8

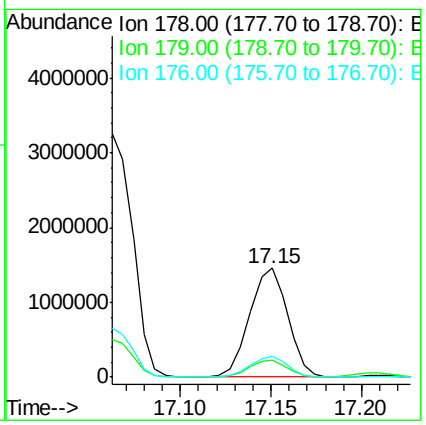


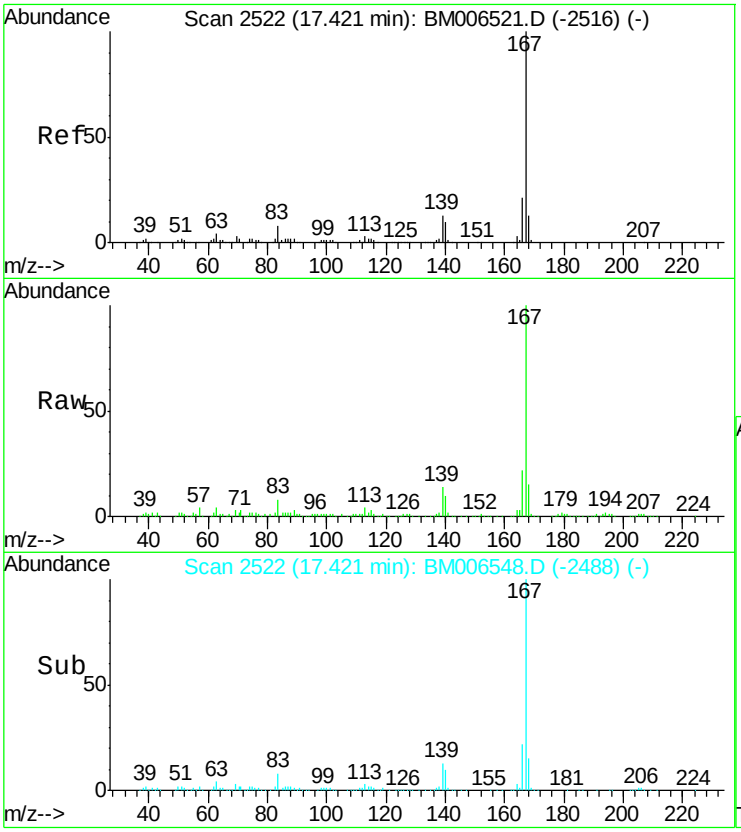


#71
Anthracene
Concen: 38.84 ng/ul
RT: 17.15 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:178 Resp: 2114792

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.8	15.0	22.6



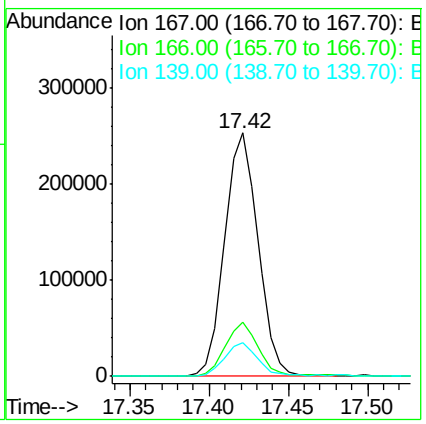


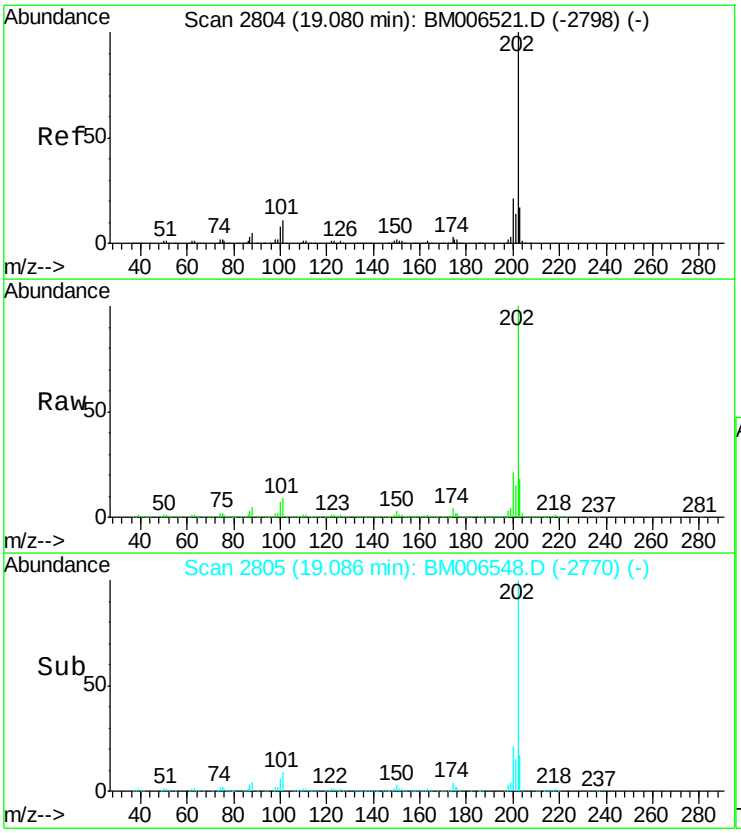
#72
Carbazole
Concen: 7.97 ng/ul
RT: 17.42 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:167 Resp: 367102

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	13.7	10.2	15.4

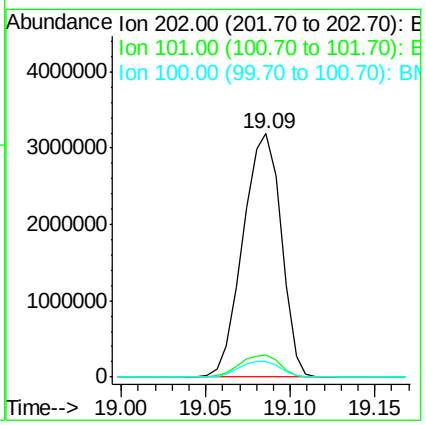


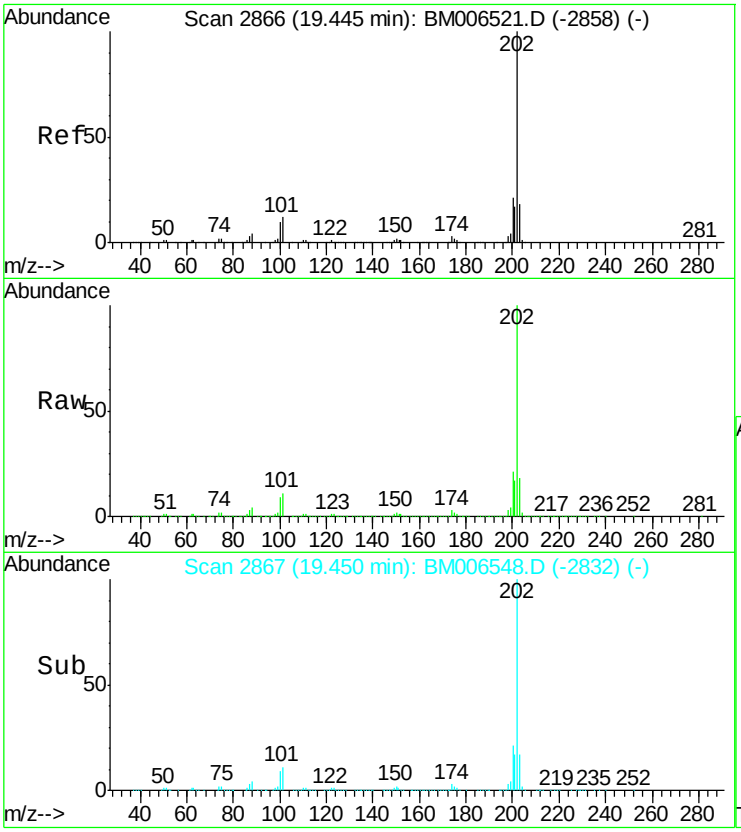


#74
Fluoranthene
Concen: 81.77 ng/ul
RT: 19.09 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:202 Resp: 5030406

Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.6	12.8
100	6.5	6.4	9.6



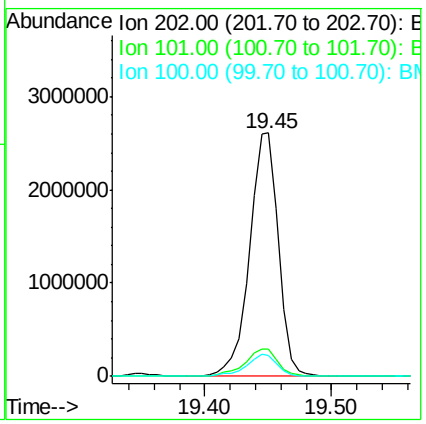


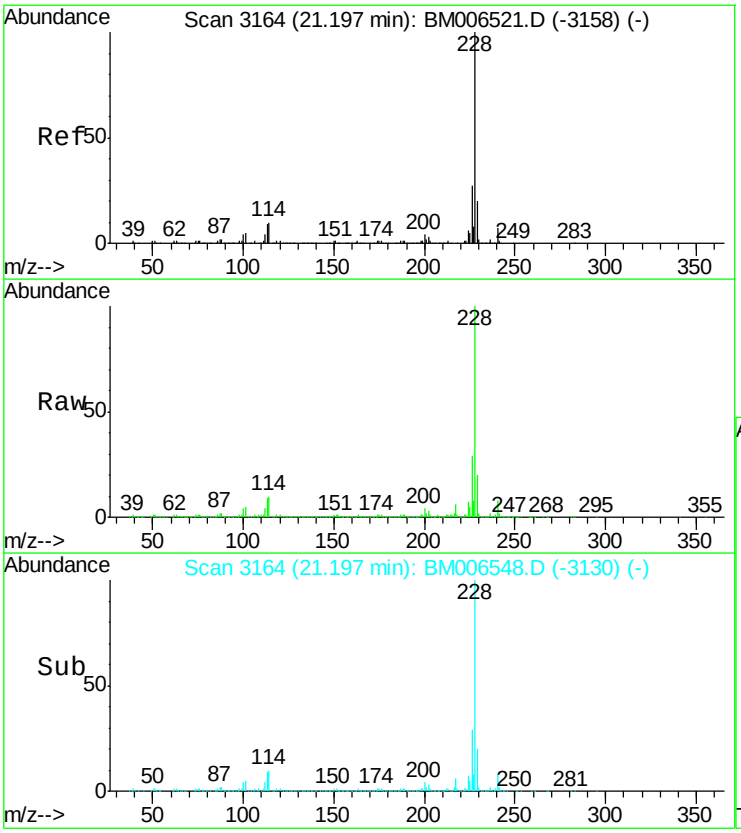
#77
Pyrene
Concen: 67.13 ng/ul
RT: 19.45 min Scan# 2867
Delta R.T. 0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:202 Resp: 4140348

Ion	Ratio	Lower	Upper
202	100		
101	11.0	10.0	15.0
100	8.6	7.9	11.9

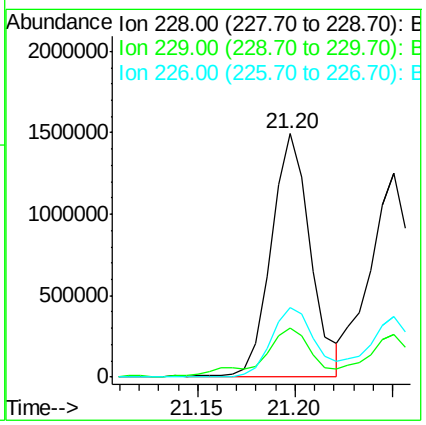


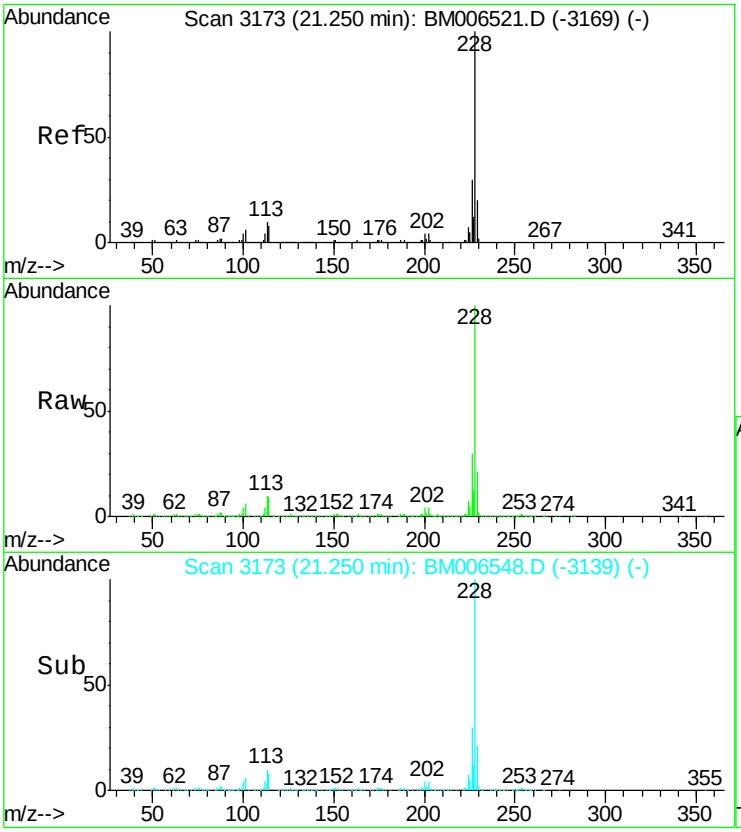


#80
Benzo(a)anthracene
Concen: 32.66 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:228 Resp: 2059388

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.6	23.4
226	28.8	21.4	32.2



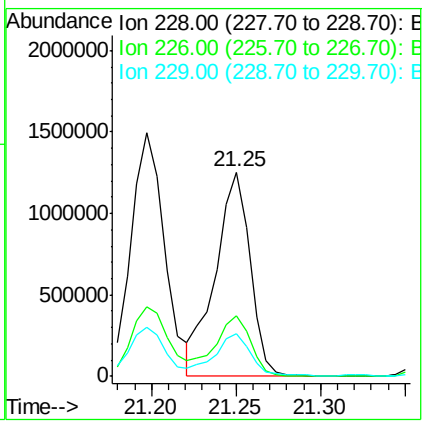


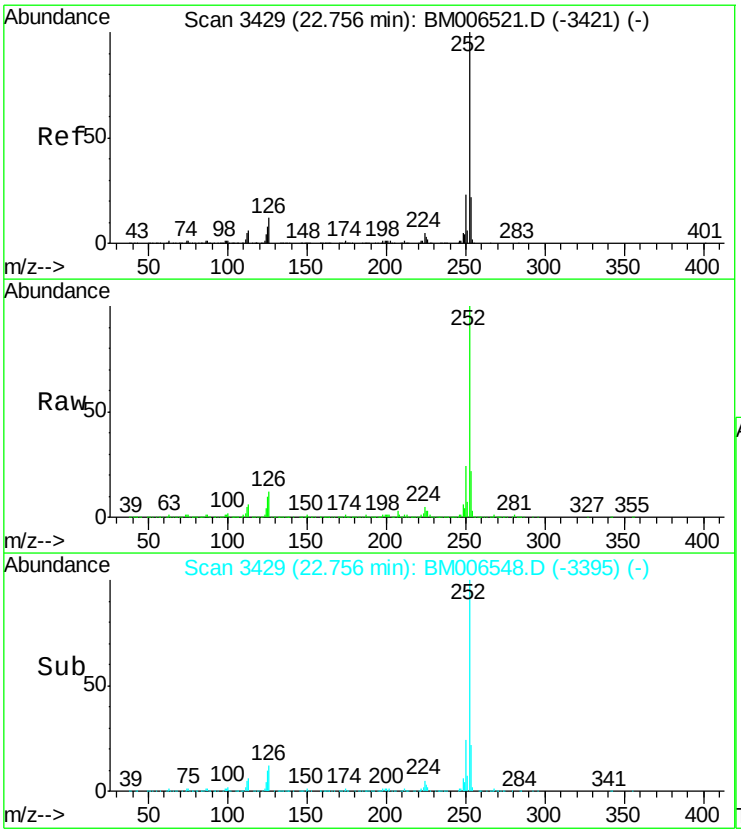
#82
Chrysene
Concen: 30.01 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:228 Resp: 1781389

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.3	34.9
229	20.9	15.8	23.8

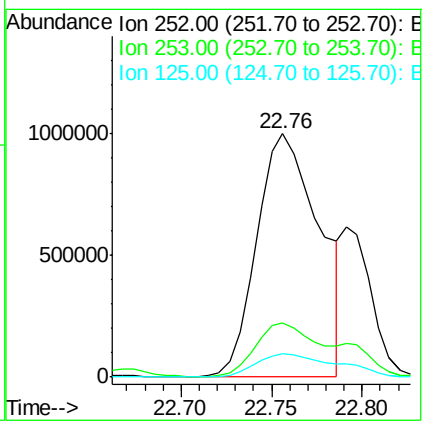


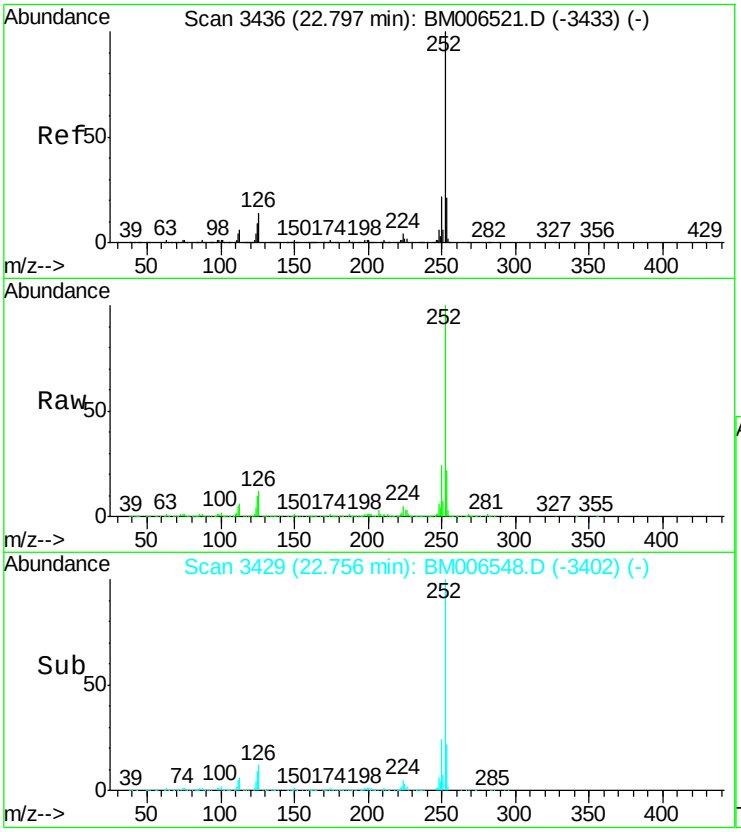


#85
Benzo(b)fluoranthene
Concen: 33.64 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:252 Resp: 2392820

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	9.6	6.7	10.1



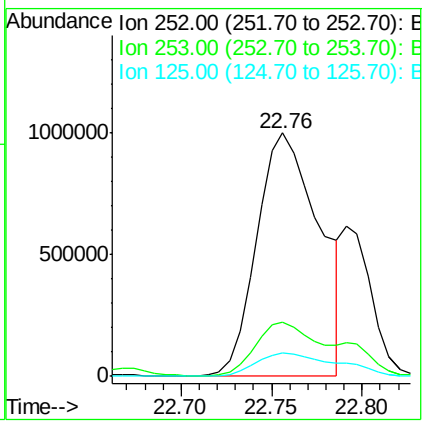


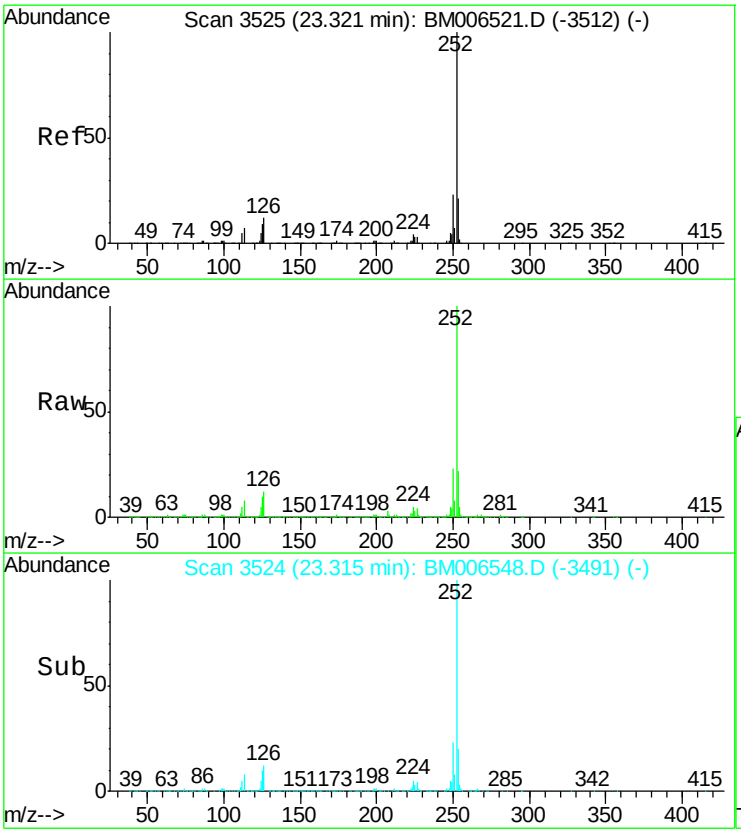
#86
Benzo(k)fluoranthene
Concen: 35.76 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:252 Resp: 2392820

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	9.6	7.0	10.4

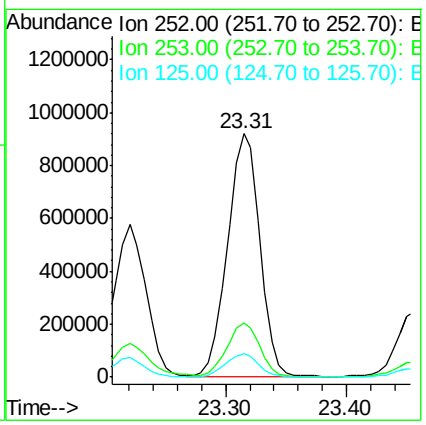


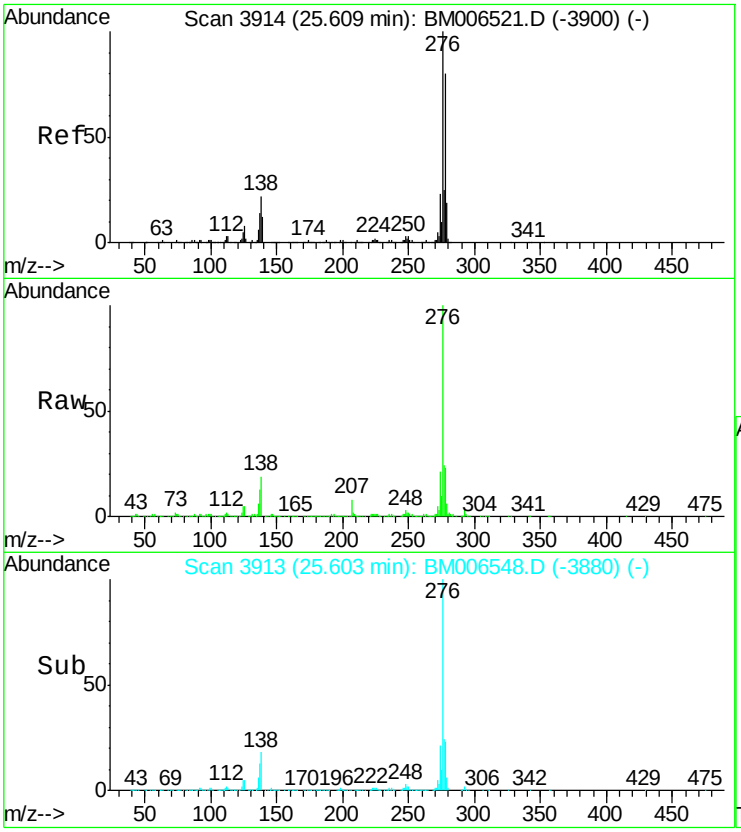


#88
Benzo(a)pyrene
Concen: 24.96 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:252 Resp: 1700471

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	9.9	7.6	11.4



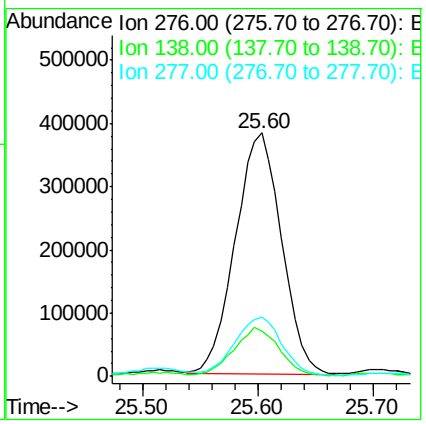


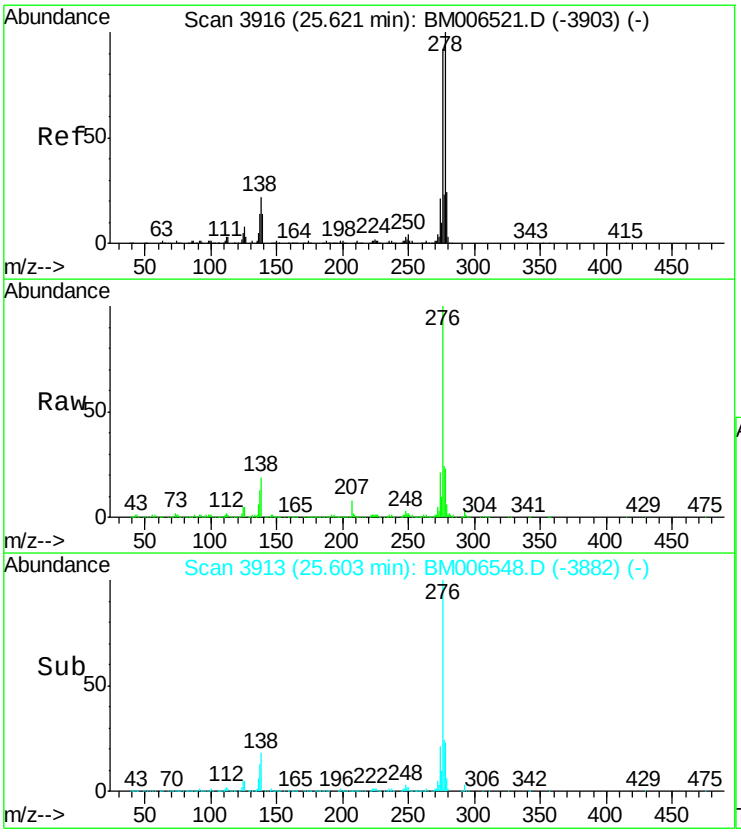
#89
Indeno(1,2,3-cd)pyrene
Concen: 13.40 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:276 Resp: 1062090

Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.8	26.6
277	24.5	20.1	30.1

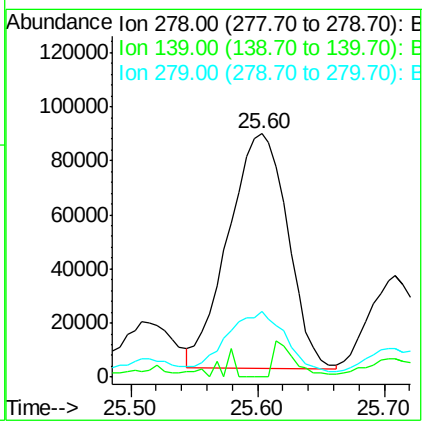


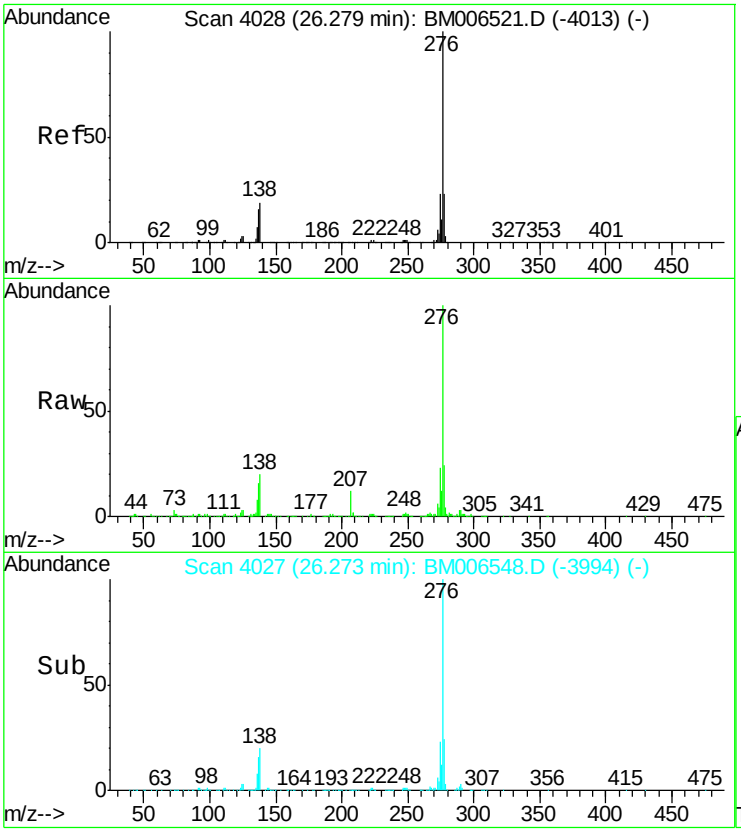


#90
Dibenzo(a,h)anthracene
Concen: 4.29 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.02 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Tgt Ion:278 Resp: 282769

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	27.2	19.2	28.8





#91
Benzo(g,h,i)perylene
Concen: 12.29 ng/ul
RT: 26.27 min Scan# 4027
Delta R.T. -0.01 min
Lab File: BM006548.D
Acq: 20 Jul 2016 09:30

Instrument :
BNA_M
ClientSampleId :
BDJ22

Tgt Ion:276 Resp: 861455

Ion	Ratio	Lower	Upper
276	100		
138	19.7	15.0	22.4
277	24.1	19.0	28.4