Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Time: May 20 01:03:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.84
18) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.63
35) Acenaphthene-d10	14.46	164	334	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.30	188	696525	20.00	ng/ul	0.09
75) Chrysene-d12	21.50	240	927	20.00	ng/ul	0.12
83) Perylene-d12	23.78	264	3631	20.00	ng/ul	0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	4082	0.00	ng/uL	0.00
5) Phenol-d5	6.99	99	131196	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	64776	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	96855	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	106656	0.00	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	47839	0.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	54559	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	114645	0.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	130149	0.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	400740	14595.14	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	499893	15421.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	91745	16285.79	ng/ul	0.00
57) Fluorene-d10	15.46	176	384392	15865.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	62841	17.12	ng/ul	0.00
70) Anthracene-d10	17.30	188	696525	21.74	ng/ul	0.00
76) Pyrene-d10	19.59	212	983865	26395.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1535162	9456.94	ng/ul	0.00
Target Compounds						Qvalue
40) 1,1'-Biphenyl	13.30	154	2784	103.99	ng/ul#	90
42) 2-Nitroaniline	13.37	65	261	40.20	ng/ul#	4
44) Dimethylphthalate	13.92	163	136420	4873.14	ng/ul	100
45) 2,6-Dinitrotoluene	13.92	165	1453	269.59	ng/ul#	41
47) Acenaphthylene	14.19	152	54928	1636.02	ng/ul	97
49) Acenaphthene	14.53	153	33209	1448.13	ng/ul	88
52) 4-Nitrophenol	14.67	109	134	26.58	ng/ul	93
53) Dibenzofuran	14.86	168	28897	863.88	ng/ul	93
56) Diethylphthalate	15.29	149	954	32.21	ng/ul#	59
58) Fluorene	15.51	166	29087	1051.37	ng/ul	97
60) 4-Nitroaniline	15.56	138	239	35.49	ng/ul#	1
69) Phenanthrene	17.33	178	237918	6.00	ng/ul	98
71) Anthracene	17.33	178	236161	6.03	ng/ul	98
72) Carbazole	17.60	167	219135	6.17	ng/ul	98
74) Fluoranthene	19.26	202	3136084	67.67	ng/ul	95
77) Pyrene	19.62	202	2608053	52510.03	ng/ul	95
78) Butylbenzylphthalate	20.64	149	313	14.84	ng/ul#	31
79) 3,3'-Dichlorobenzidine	21.42	252	10299	580.29	ng/ul#	1
80) Benzo(a)anthracene	21.42	228	2264020	41569.14	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.42	149	7427	235.43	ng/ul#	69
82) Chrysene	21.42	228	2264020	43945.94	ng/ul	97
85) Benzo(b)fluoranthene	22.98	252	3747738	18035.27	ng/ul	97
86) Benzo(k)fluoranthene	22.98	252	3496222	17317.93	ng/ul	97

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Time: May 20 01:03:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.71	252	616447	2985.69	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	26.09	276	46802	172.13	ng/ul#	41
90) Dibenzo(a,h)anthracene	26.24	278	382982	1695.70	ng/ul	93
91) Benzo(g,h,i)perylene	26.69	276	1596631	6775.80	ng/ul#	94

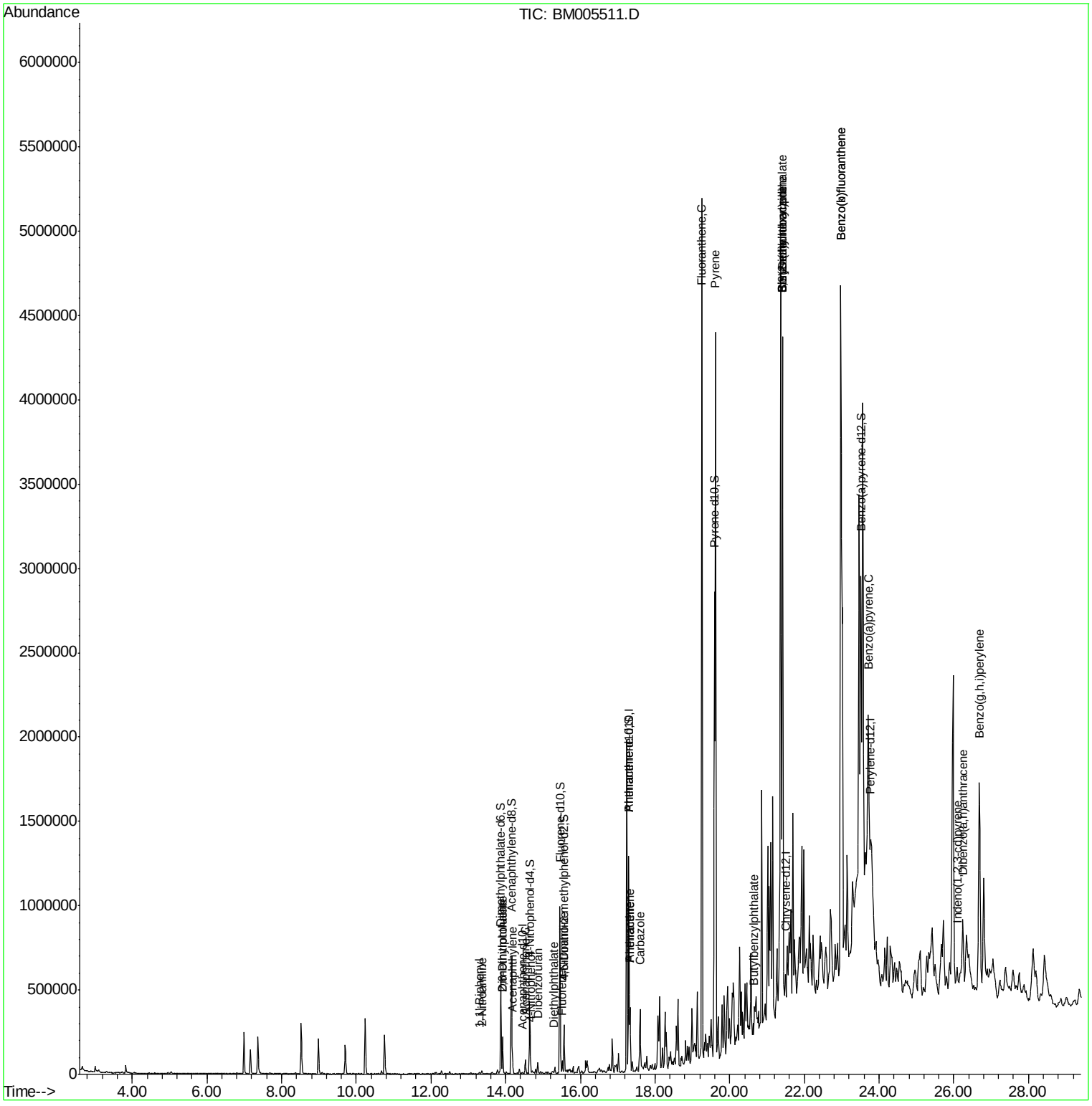
(#) = qualifier out of range (m) = manual integration (+) = signals summed

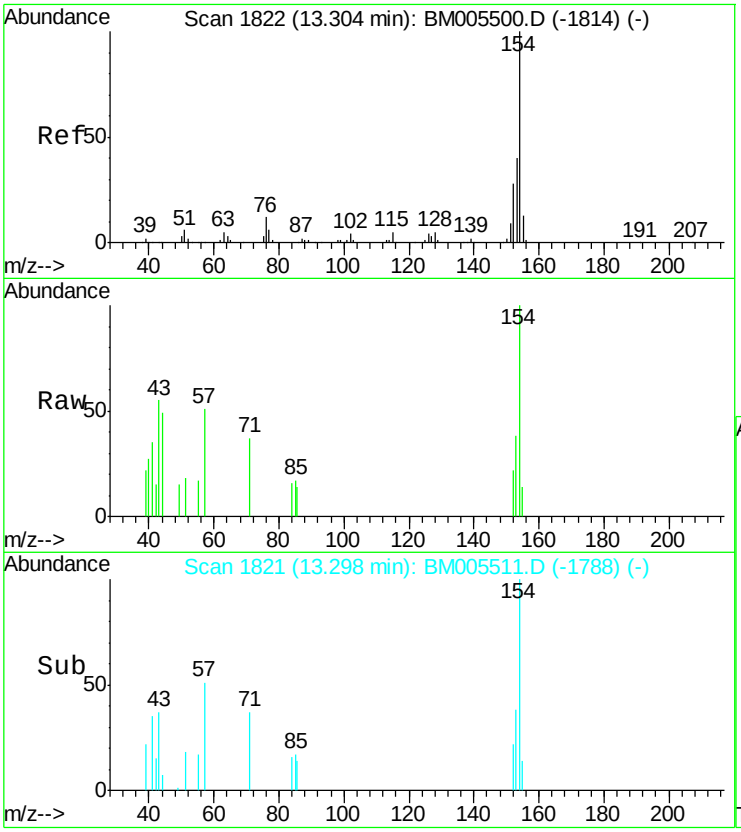
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9WT3

Quant Time: May 20 01:03:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration



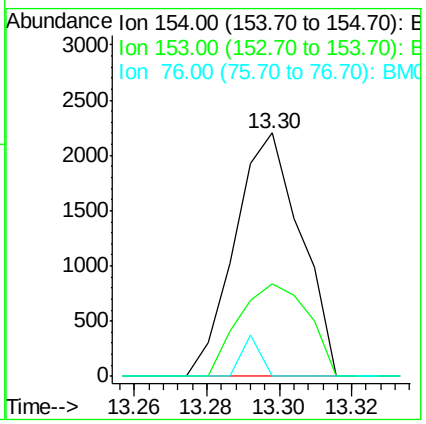


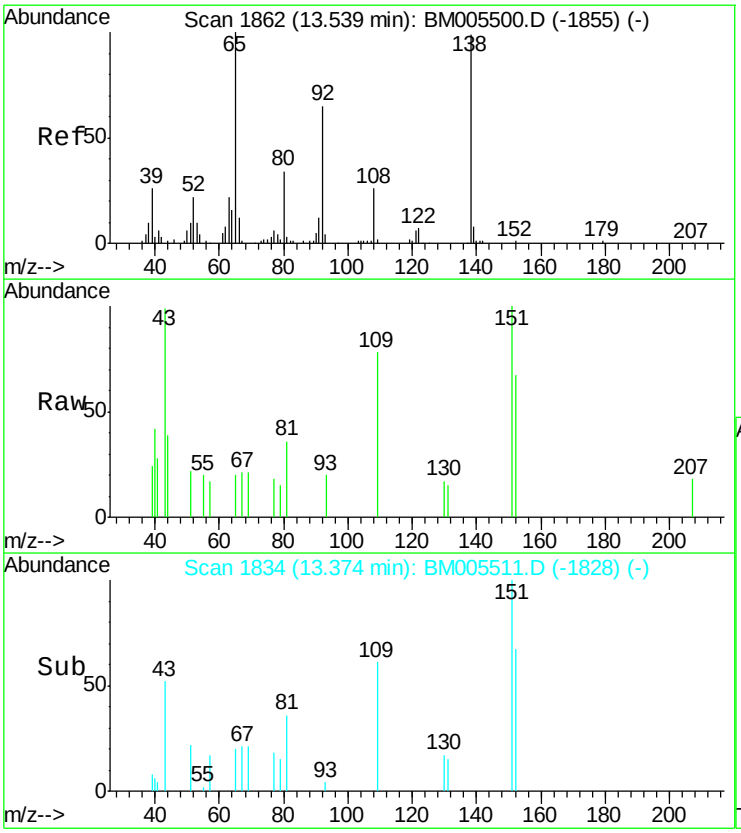
#40
1,1'-Biphenyl
Concen: 103.99 ng/ul
RT: 13.30 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:154 Resp: 2784

Ion	Ratio	Lower	Upper
154	100		
153	38.3	32.1	48.1
76	0.0	10.6	15.8#

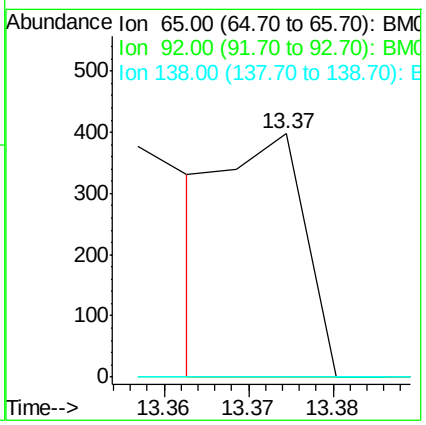


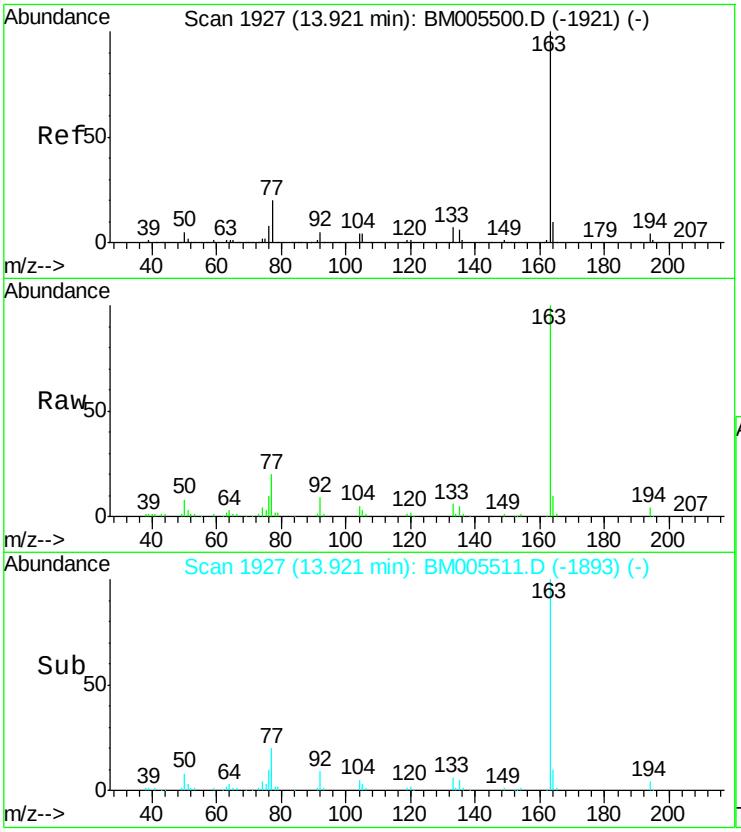


#42
2-Nitroaniline
Concen: 40.20 ng/ul
RT: 13.37 min Scan# 1834
Delta R.T. -0.16 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion: 65 Resp: 261

Ion	Ratio	Lower	Upper
65	100		
92	0.0	60.1	90.1#
138	0.0	84.0	126.0#



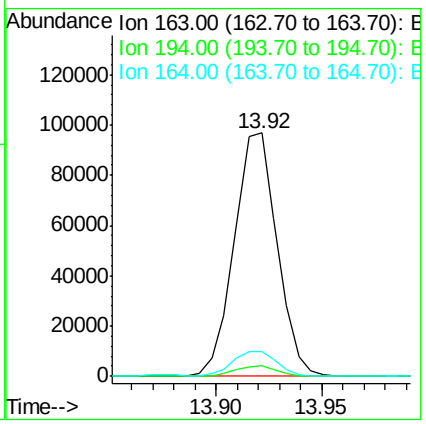


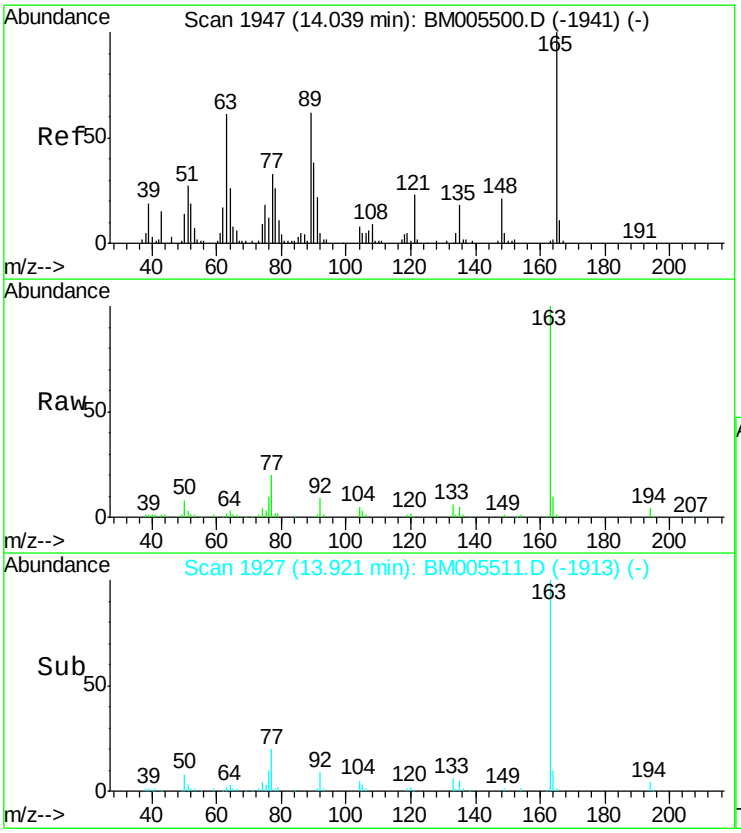
#44
Dimethylphthalate
Concen: 4873.14 ng/ul
RT: 13.92 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:163 Resp: 136420

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

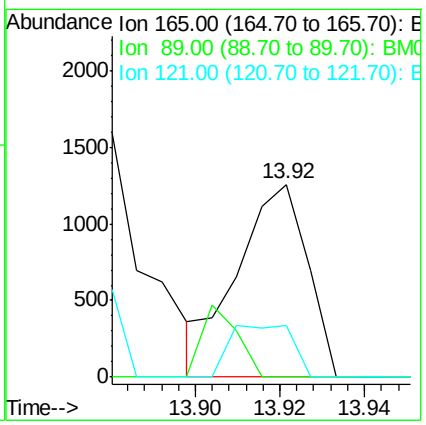


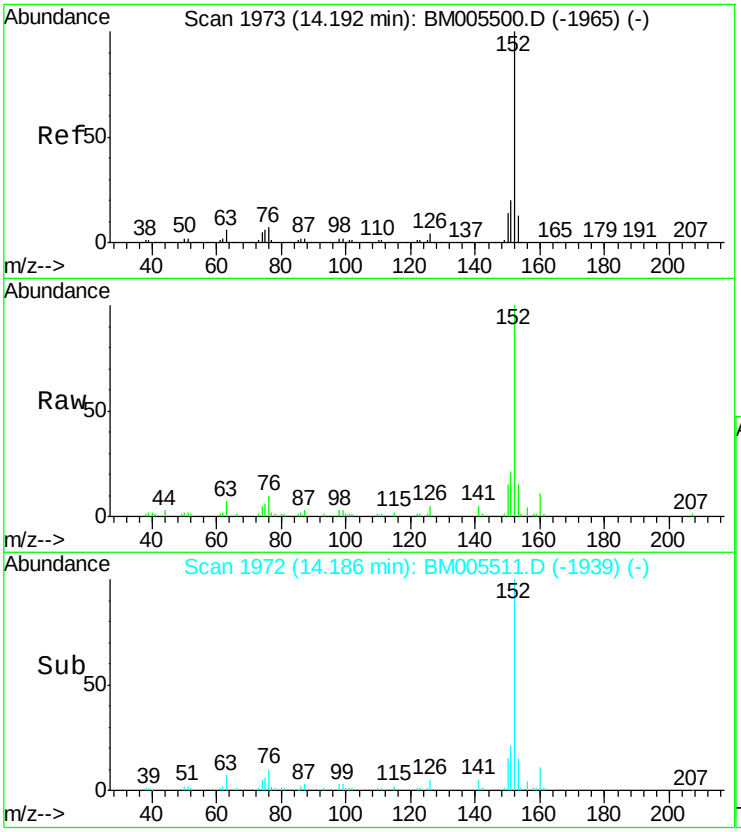


#45
2,6-Dinitrotoluene
Concen: 269.59 ng/ul
RT: 13.92 min Scan# 1927
Delta R.T. -0.12 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:165 Resp: 1453

Ion	Ratio	Lower	Upper
165	100		
89	0.0	52.2	78.4#
121	26.7	21.0	31.4



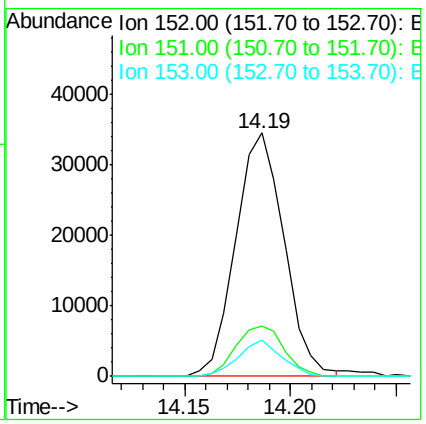


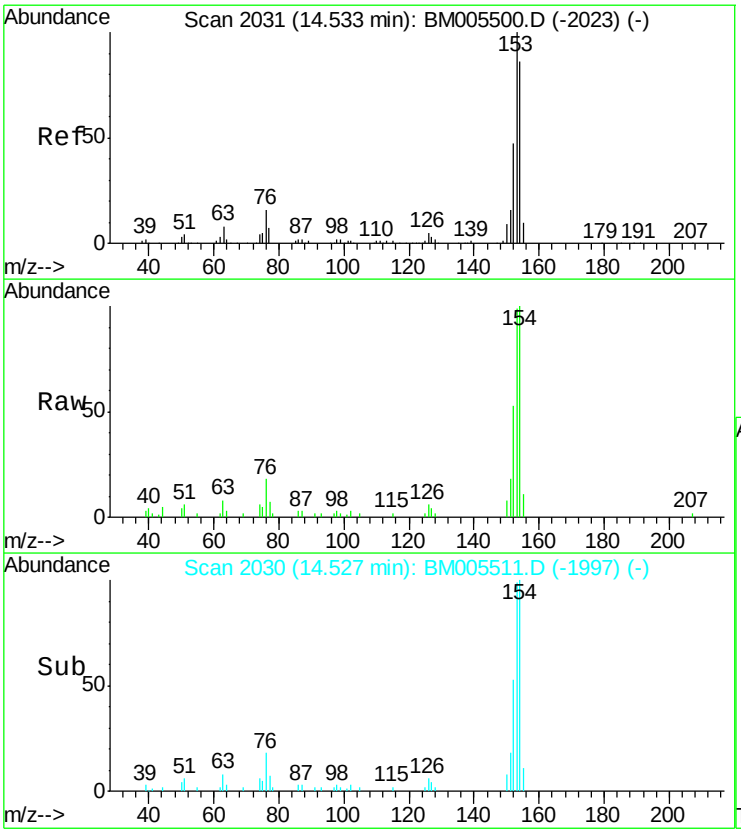
#47
Acenaphthylene
Concen: 1636.02 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:152 Resp: 54928

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	15.0	10.3	15.5

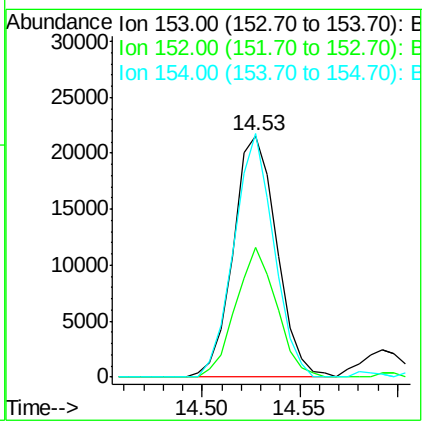


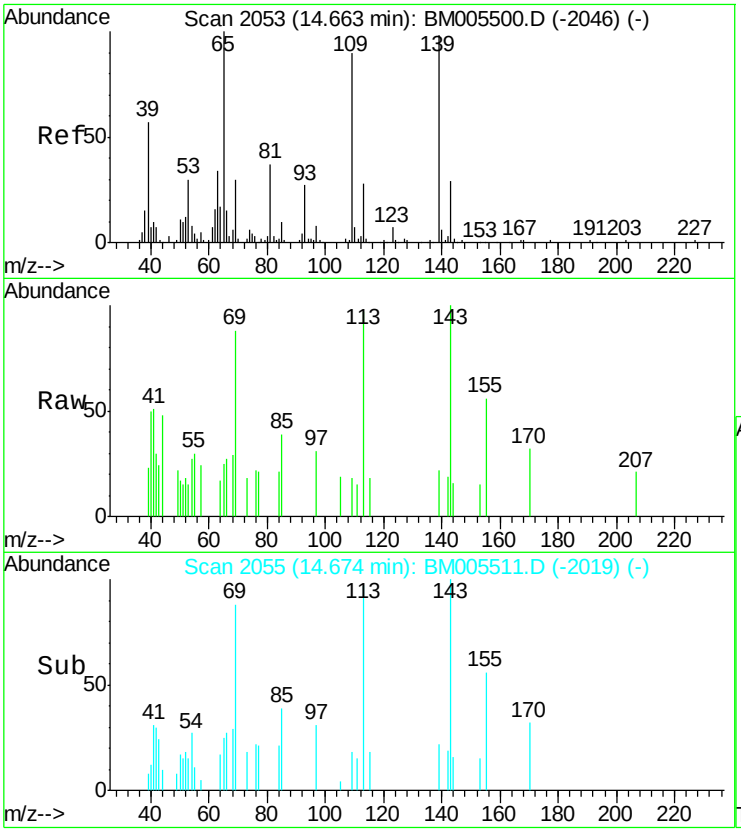


#49
Acenaphthene
Concen: 1448.13 ng/ul
RT: 14.53 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:153 Resp: 33209

Ion	Ratio	Lower	Upper
153	100		
152	53.8	38.9	58.3
154	100.8	70.3	105.5



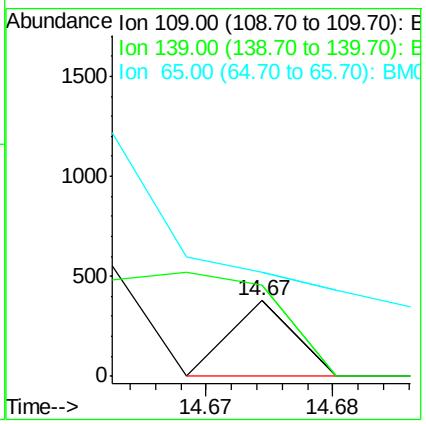


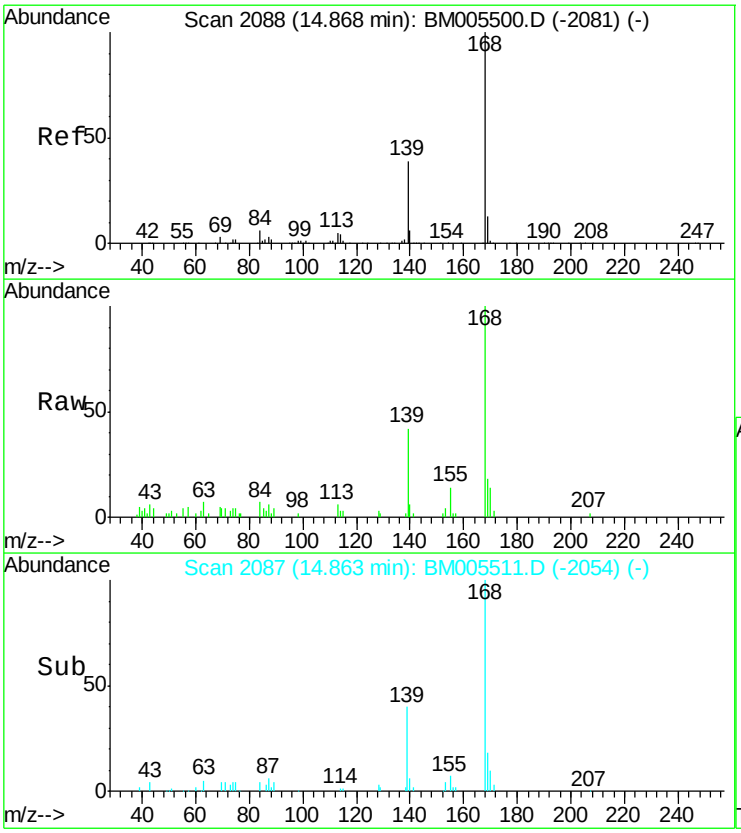
#52
4-Nitrophenol
Concen: 26.58 ng/ul
RT: 14.67 min Scan# 2055
Delta R.T. 0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:109 Resp: 134

Ion	Ratio	Lower	Upper
109	100		
139	120.8	103.6	155.4
65	137.5	104.7	157.1

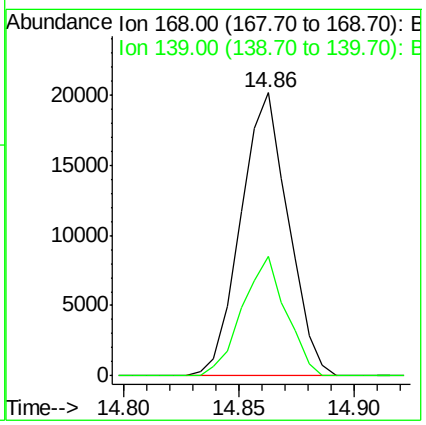


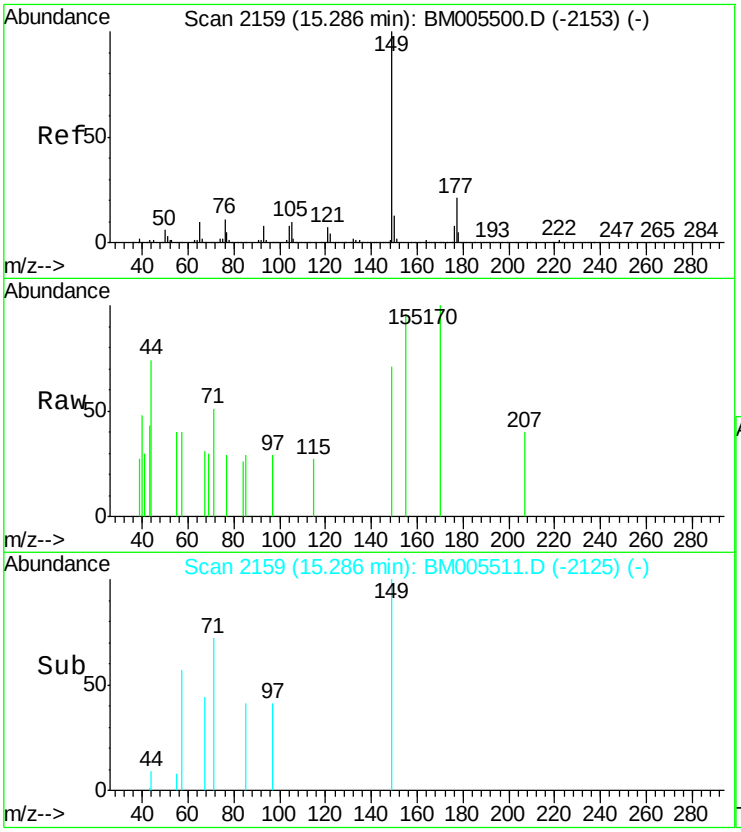


#53
Dibenzofuran
Concen: 863.88 ng/ul
RT: 14.86 min Scan# 2087
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:168 Resp: 28897

Ion	Ratio	Lower	Upper
168	100		
139	42.3	30.3	45.5



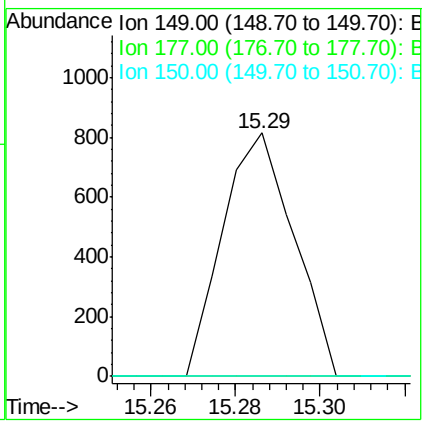


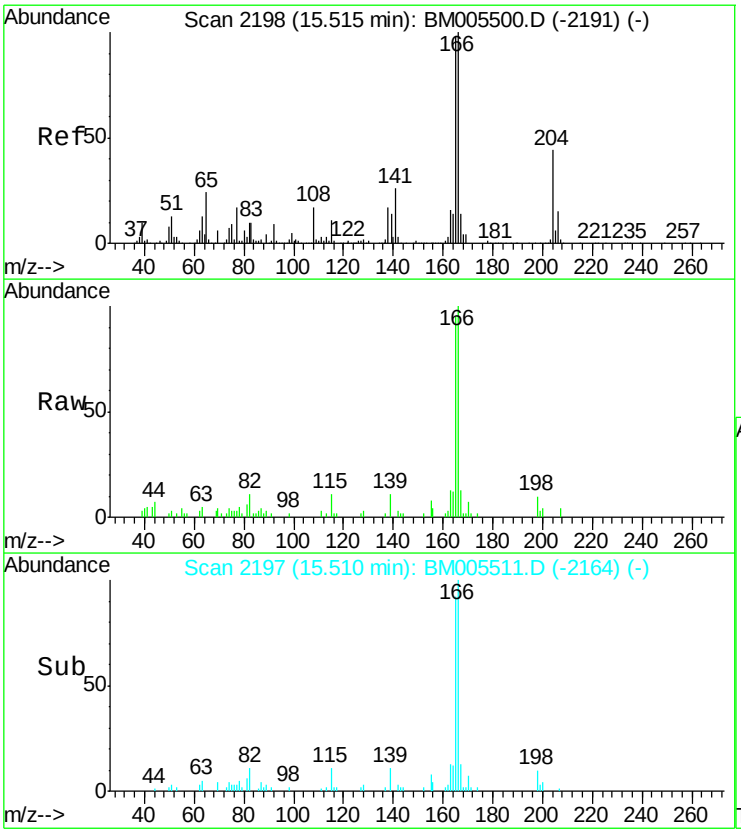
#56
Diethylphthalate
Concen: 32.21 ng/ul
RT: 15.29 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:149 Resp: 954

Ion	Ratio	Lower	Upper
149	100		
177	0.0	17.6	26.4#
150	0.0	9.8	14.8#

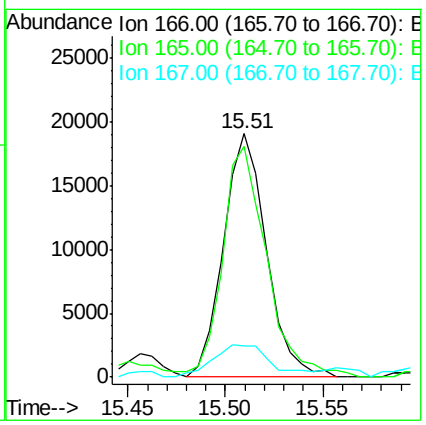


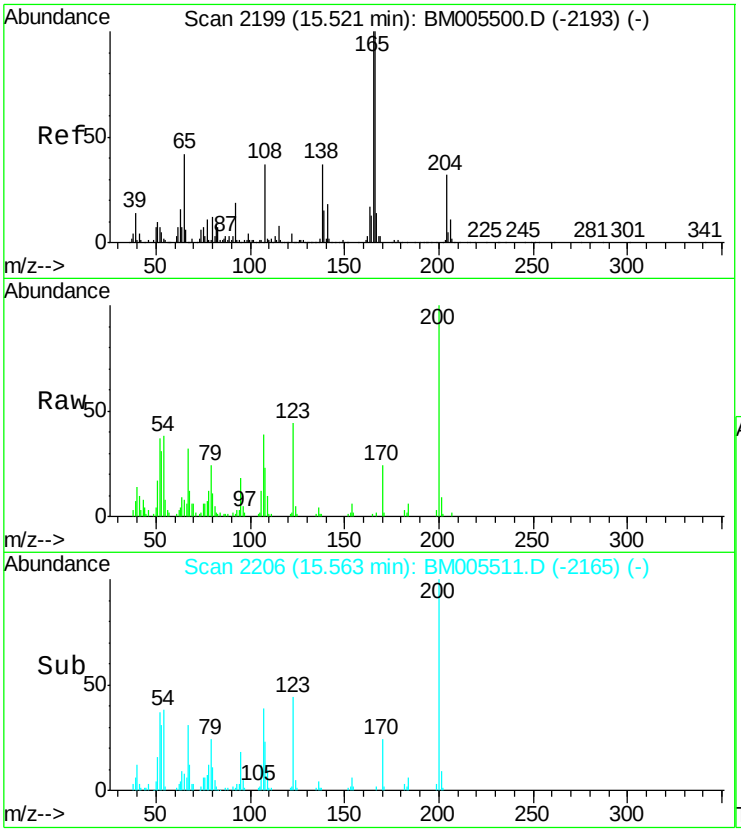


#58
Fluorene
Concen: 1051.37 ng/ul
RT: 15.51 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:166 Resp: 29087

Ion	Ratio	Lower	Upper
166	100		
165	94.7	77.9	116.9
167	12.9	10.6	16.0



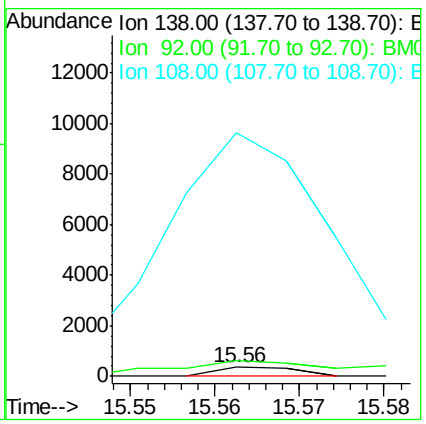


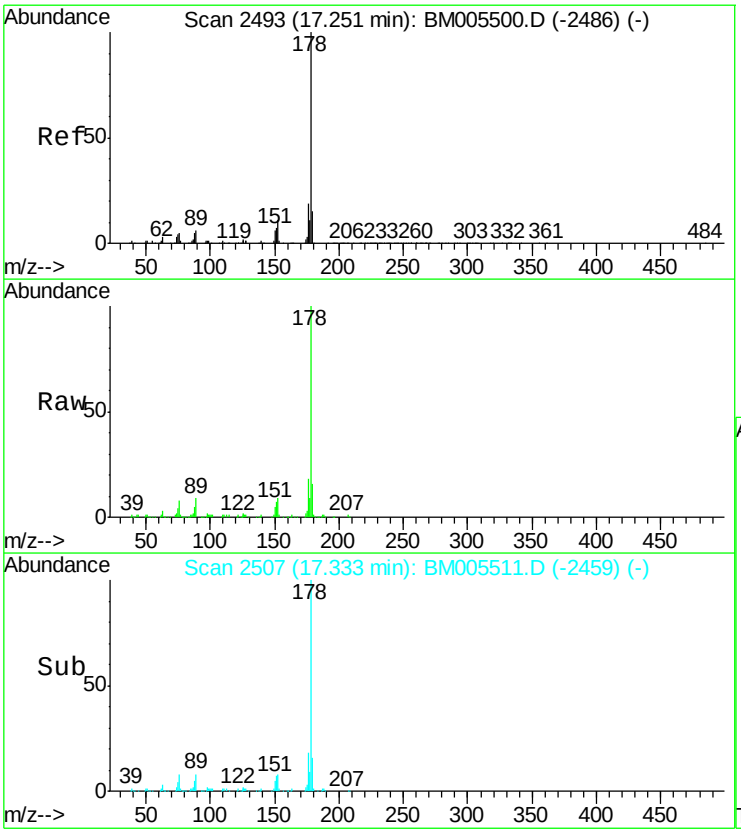
#60
4-Nitroaniline
Concen: 35.49 ng/ul
RT: 15.56 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:138 Resp: 239

Ion	Ratio	Lower	Upper
138	100		
92	170.9	44.3	66.5#
108	2646.7	66.3	99.5#

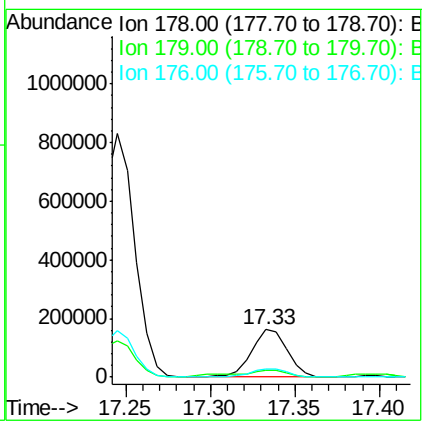


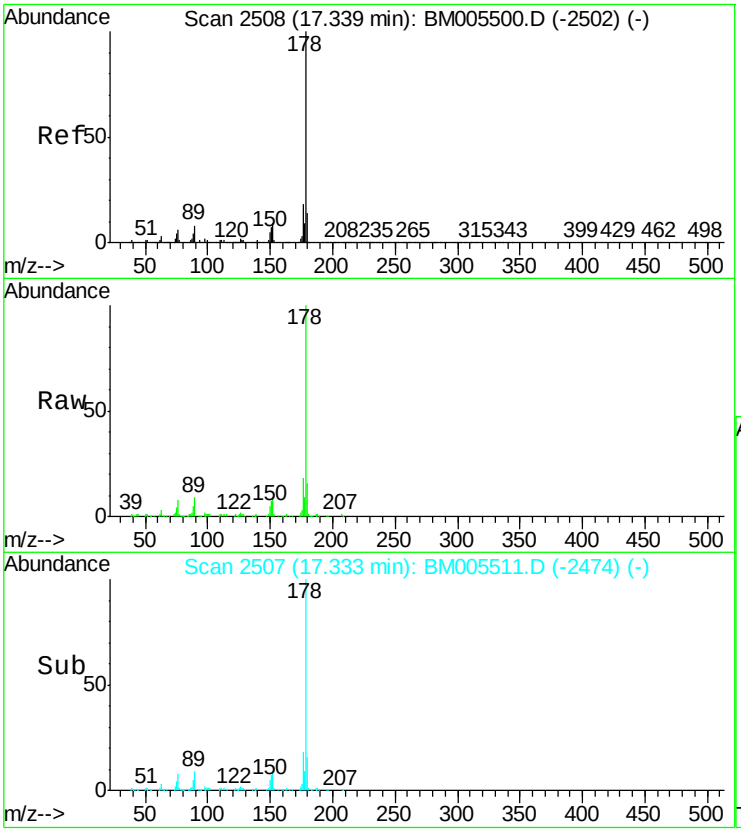


#69
Phenanthrene
Concen: 6.00 ng/ul
RT: 17.33 min Scan# 2507
Delta R.T. 0.08 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:178 Resp: 237918

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	17.9	15.2	22.8



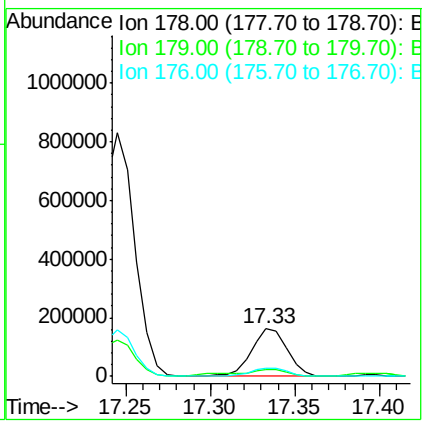


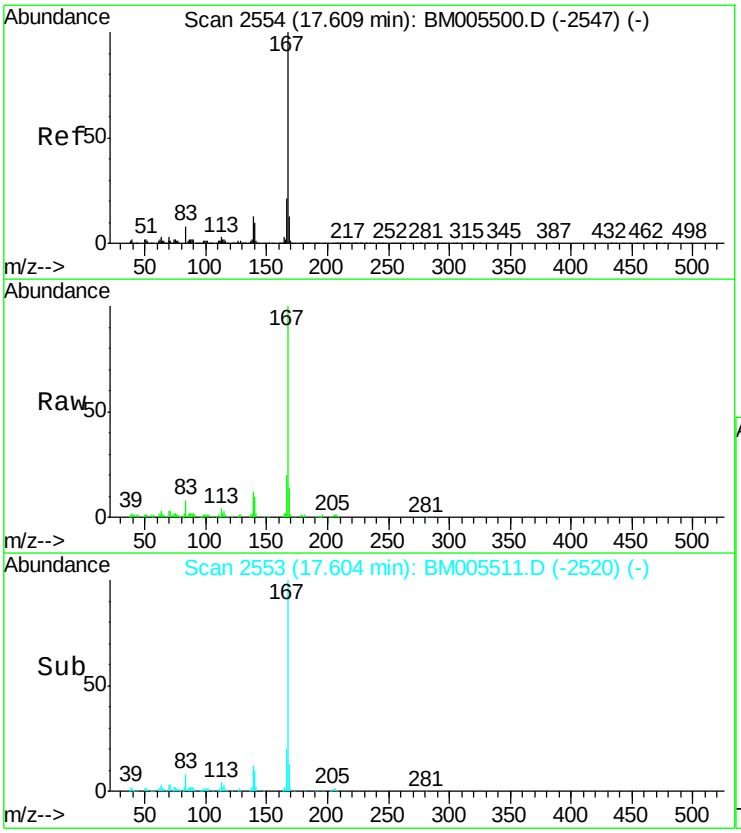
#71
Anthracene
Concen: 6.03 ng/ul
RT: 17.33 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:178 Resp: 236161

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	17.9	15.1	22.7

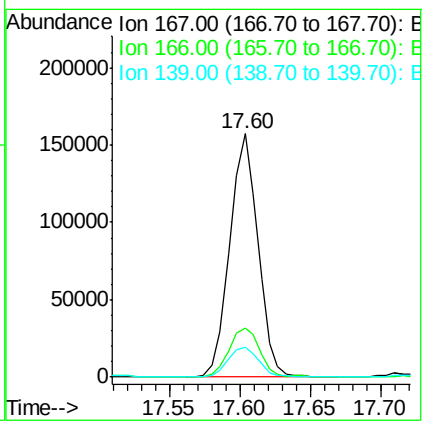


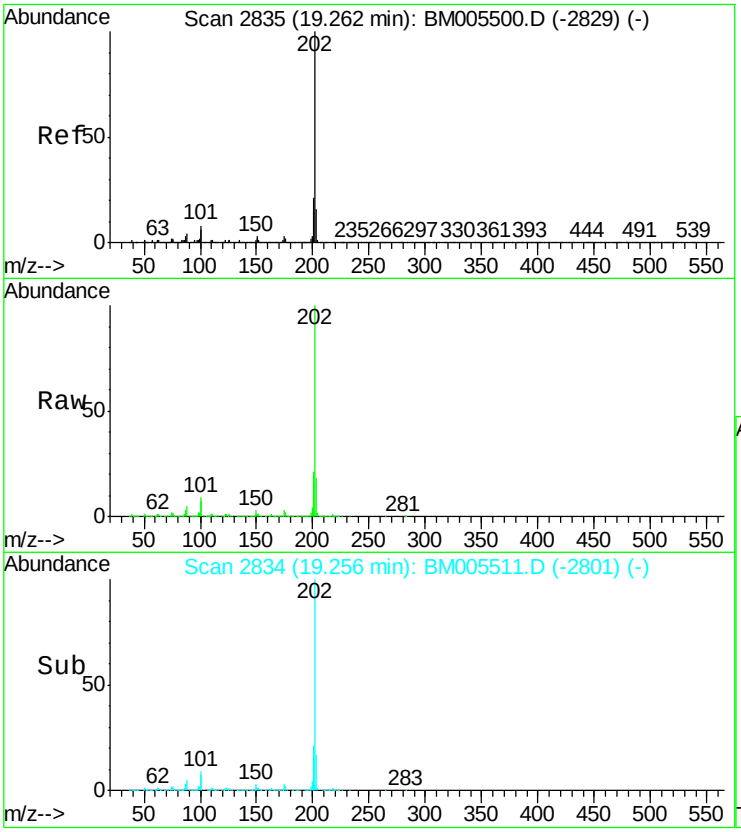


#72
Carbazole
Concen: 6.17 ng/ul
RT: 17.60 min Scan# 2553
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:167 Resp: 219135

Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.1	25.7
139	12.3	10.2	15.2



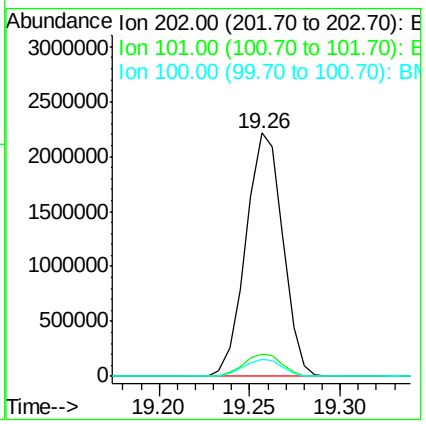


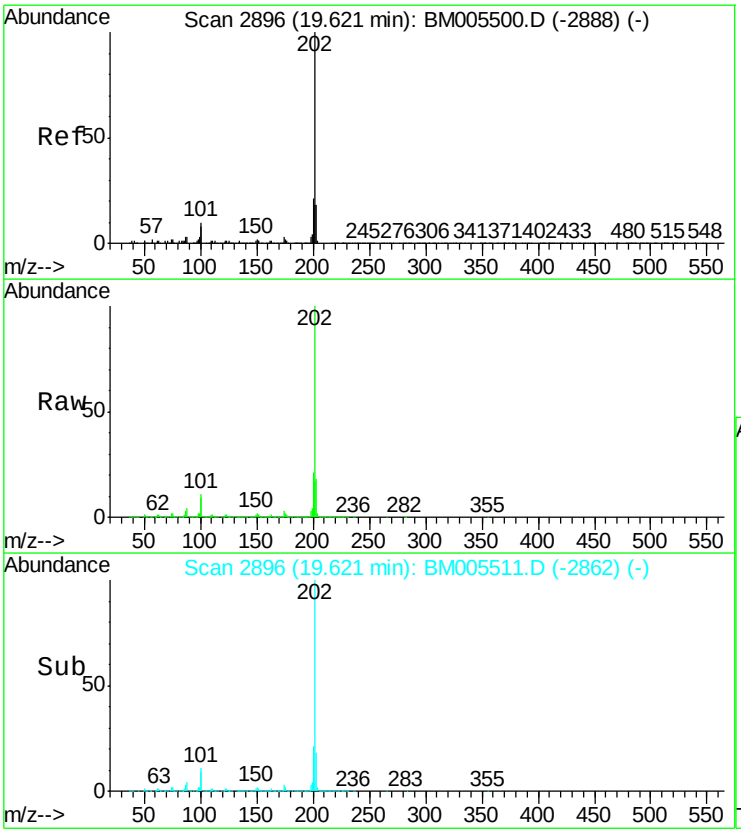
#74
Fluoranthene
Concen: 67.67 ng/ul
RT: 19.26 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:202 Resp: 3136084

Ion	Ratio	Lower	Upper
202	100		
101	9.3	9.2	13.8
100	7.3	7.1	10.7

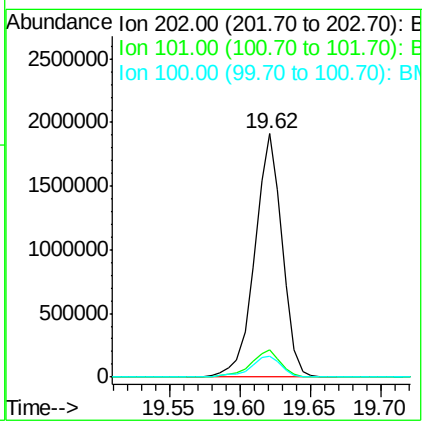


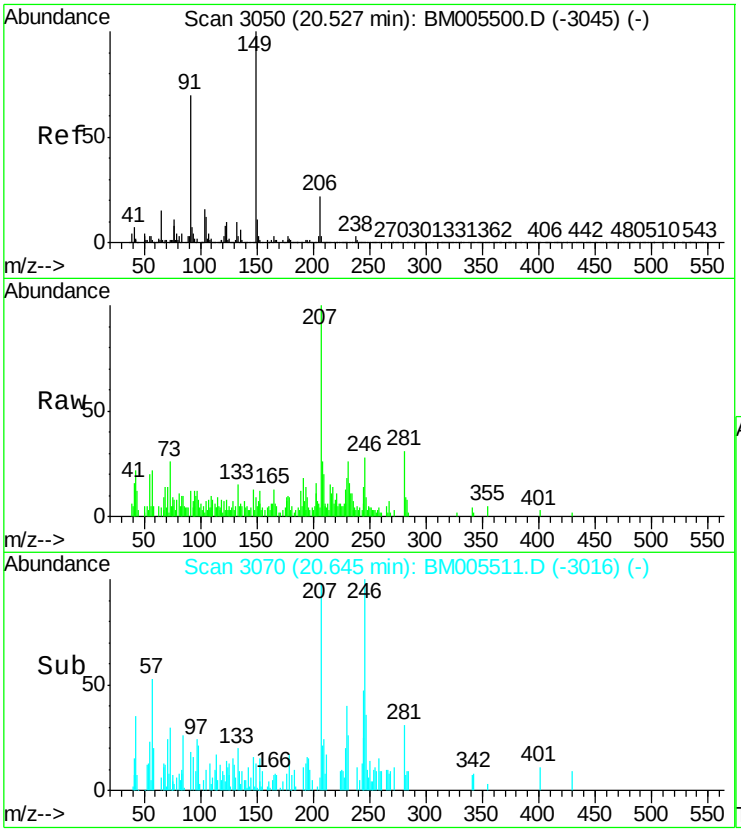


#77
Pyrene
Concen: 52510.03 ng/ul
RT: 19.62 min Scan# 2896
Delta R.T. -0.00 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:202 Resp: 2608053

Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.8	16.2
100	8.8	8.4	12.6



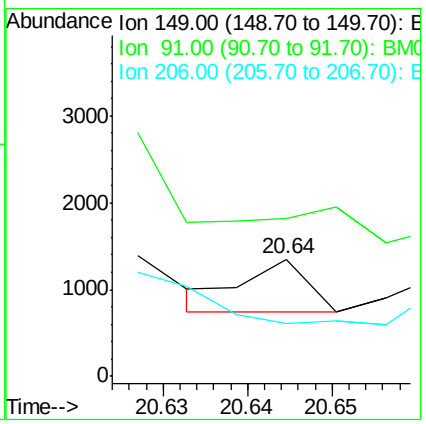


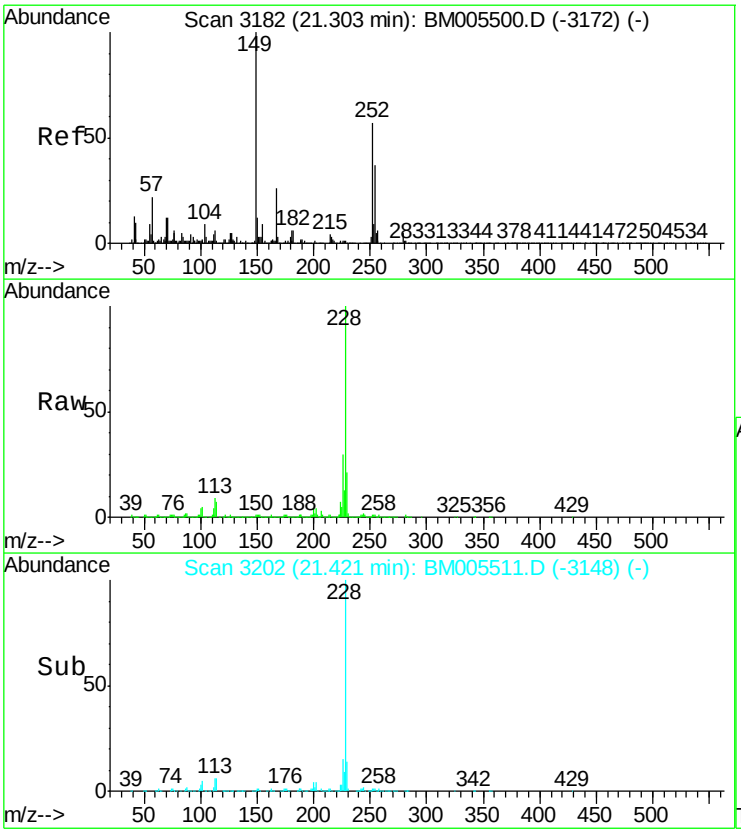
#78
Butylbenzylphthalate
Concen: 14.84 ng/ul
RT: 20.64 min Scan# 3070
Delta R.T. 0.12 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:149 Resp: 313

Ion	Ratio	Lower	Upper
149	100		
91	135.3	58.4	87.6#
206	45.0	17.3	25.9#

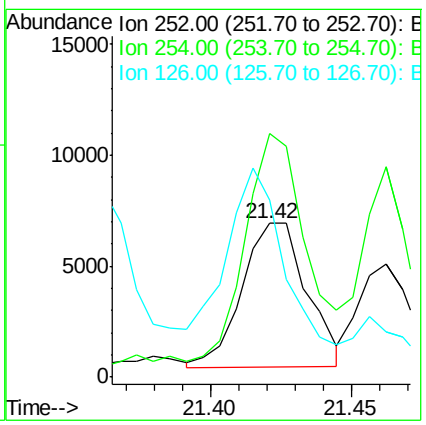


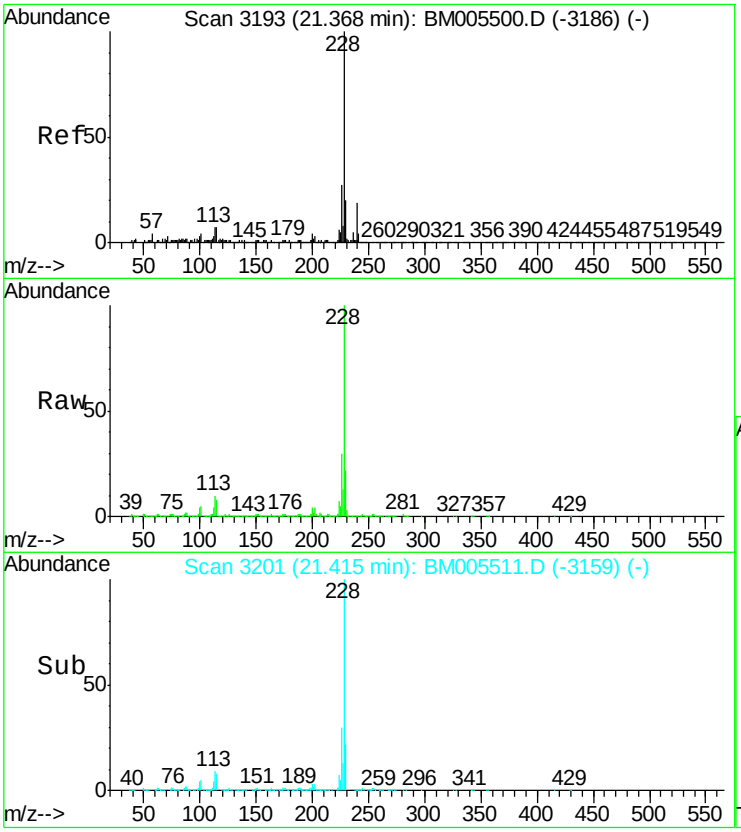


#79
3,3'-Dichlorobenzidine
Concen: 580.29 ng/ul
RT: 21.42 min Scan# 3202
Delta R.T. 0.12 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:252 Resp: 10299

Ion	Ratio	Lower	Upper
252	100		
254	158.3	52.1	78.1#
126	115.1	9.8	14.8#



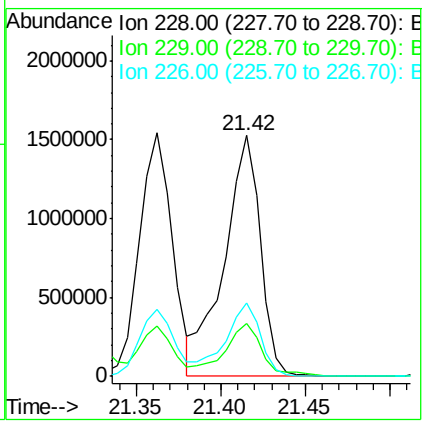


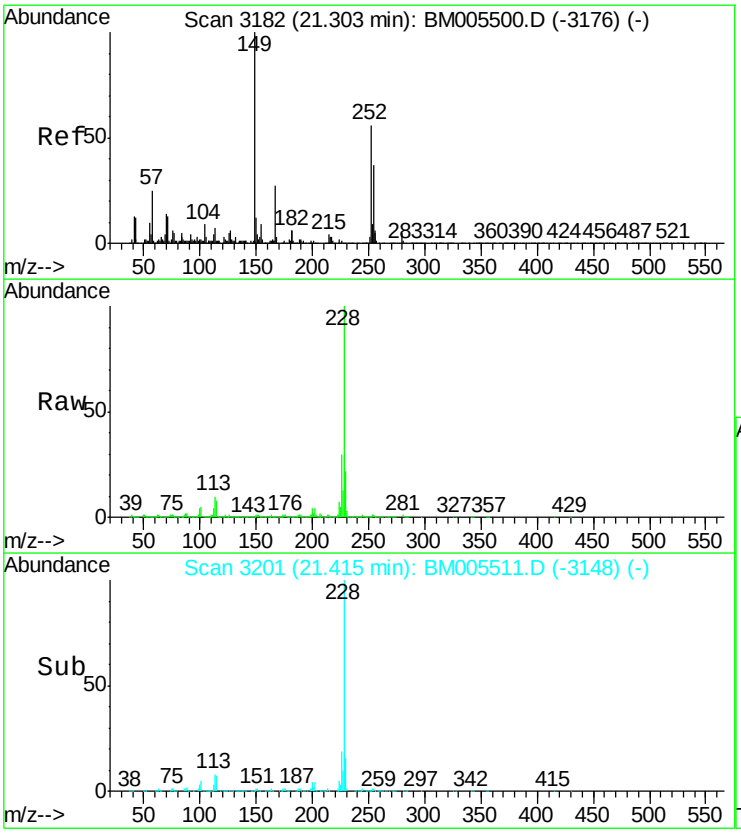
#80
Benzo(a)anthracene
Concen: 41569.14 ng/ul
RT: 21.42 min Scan# 3201
Delta R.T. 0.05 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:228 Resp: 2264020

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.5	23.3
226	30.2	21.8	32.8

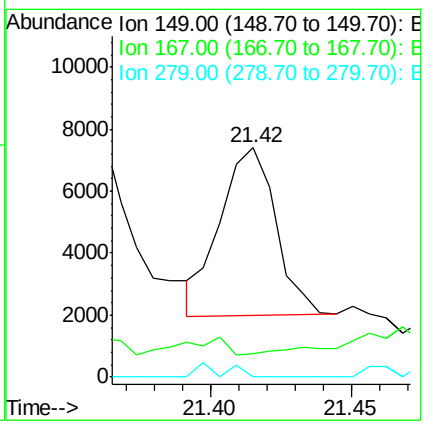


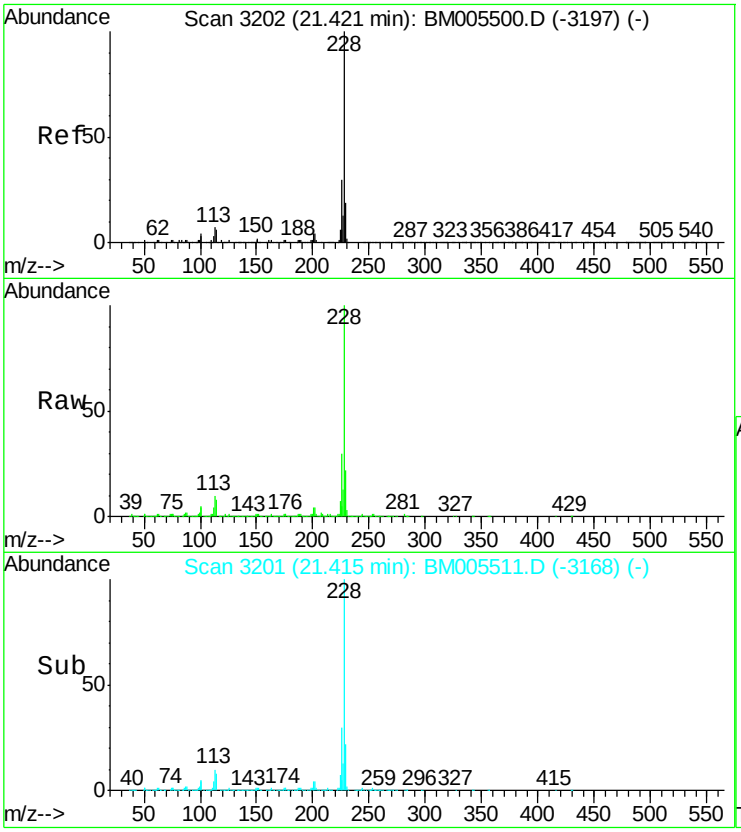


#81
Bis(2-ethylhexyl)phthalate
Concen: 235.43 ng/ul
RT: 21.42 min Scan# 3201
Delta R.T. 0.11 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:149 Resp: 7427

Ion	Ratio	Lower	Upper
149	100		
167	10.0	21.9	32.9#
279	0.0	3.0	4.4#



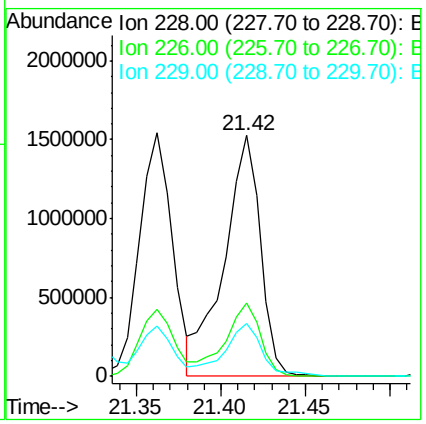


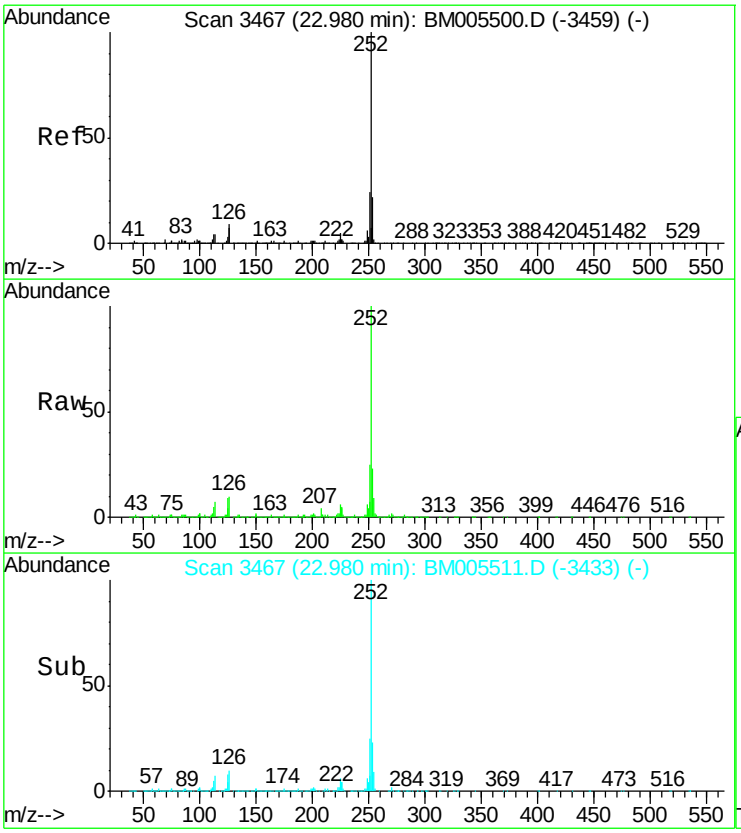
#82
Chrysene
Concen: 43945.94 ng/ul
RT: 21.42 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:228 Resp: 2264020

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.2	15.4	23.0

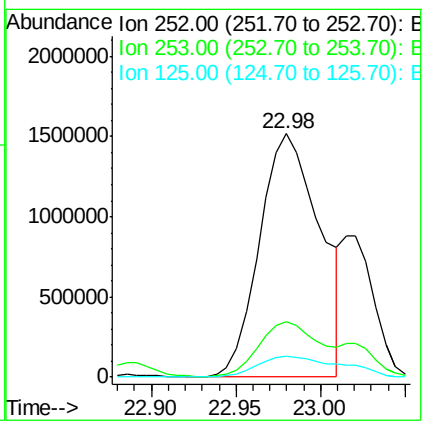


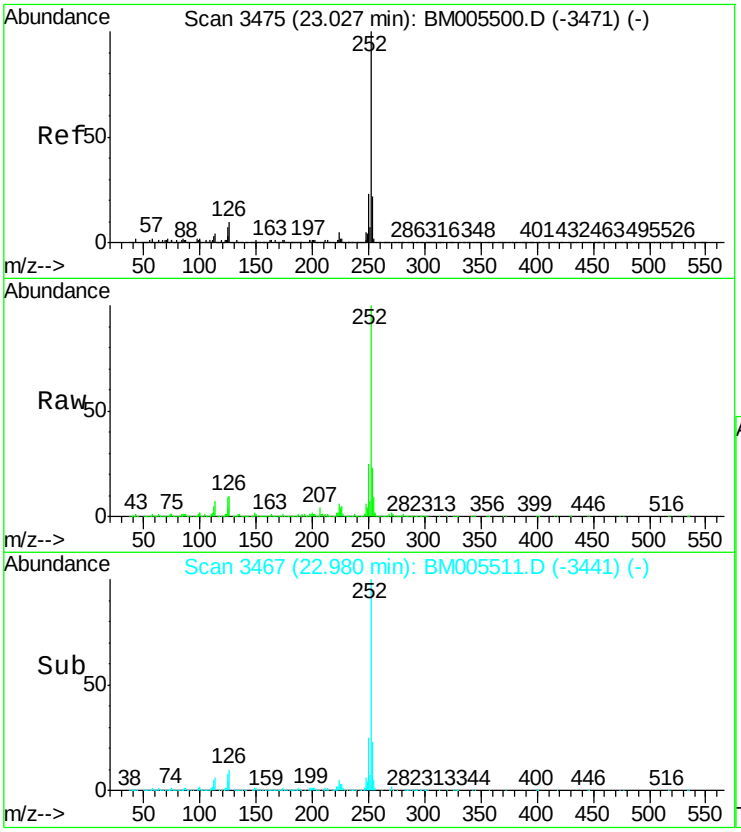


#85
Benzo(b)fluoranthene
Concen: 18035.27 ng/ul
RT: 22.98 min Scan# 3467
Delta R.T. 0.00 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:252 Resp: 3747738

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	8.6	8.4	12.6



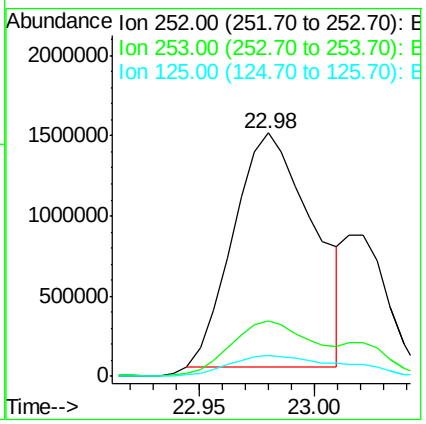


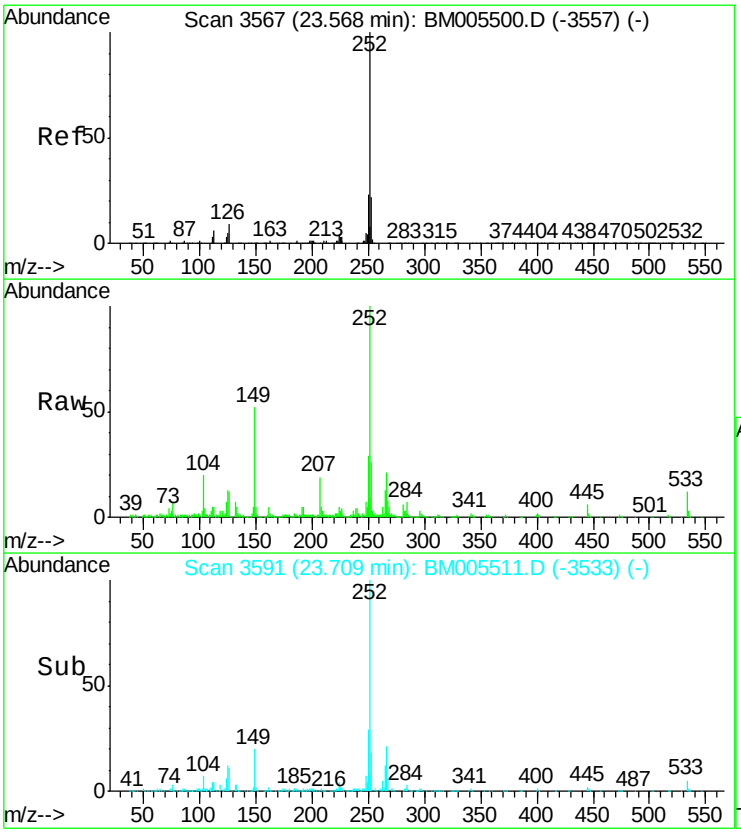
#86
Benzo(k)fluoranthene
Concen: 17317.93 ng/ul
RT: 22.98 min Scan# 3467
Delta R.T. -0.05 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:252 Resp: 3496222

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	8.6	8.0	12.0

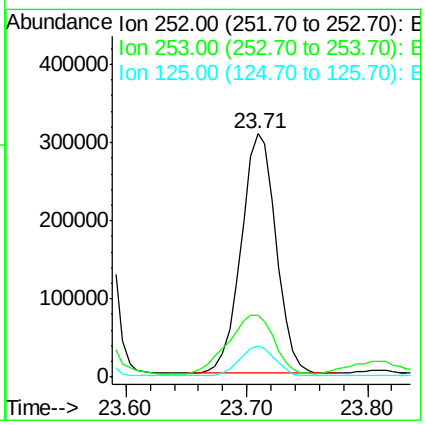


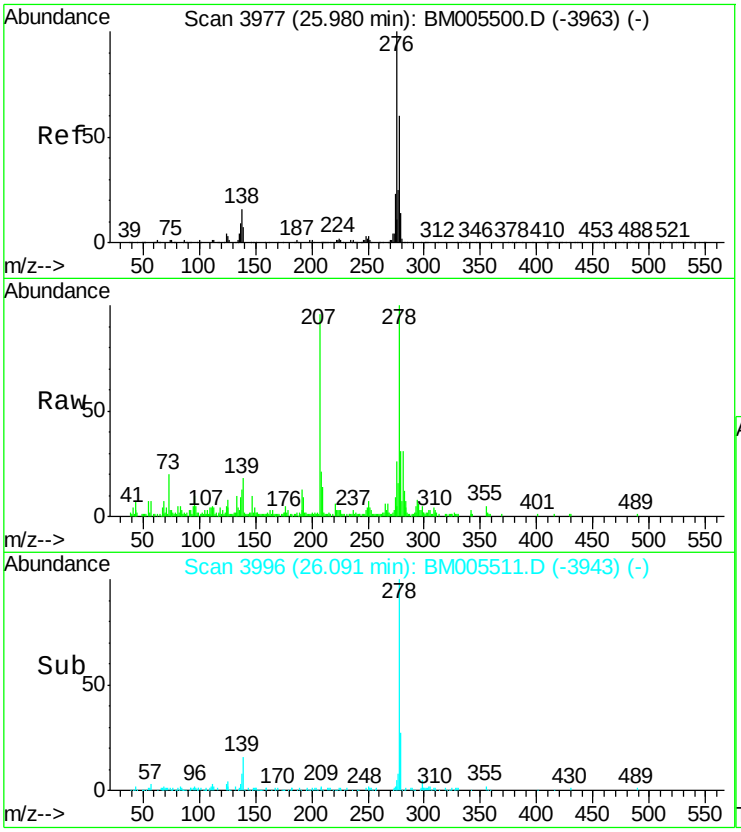


#88
Benzo(a)pyrene
Concen: 2985.69 ng/ul
RT: 23.71 min Scan# 3591
Delta R.T. 0.14 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:252 Resp: 616447

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	12.8	8.7	13.1



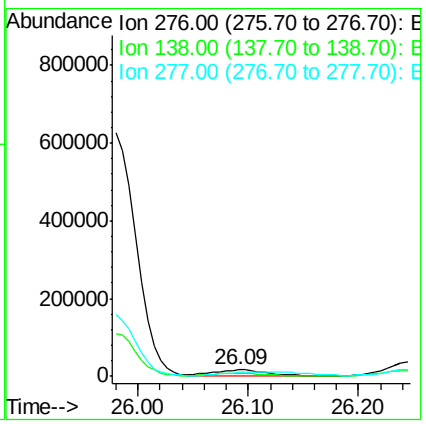


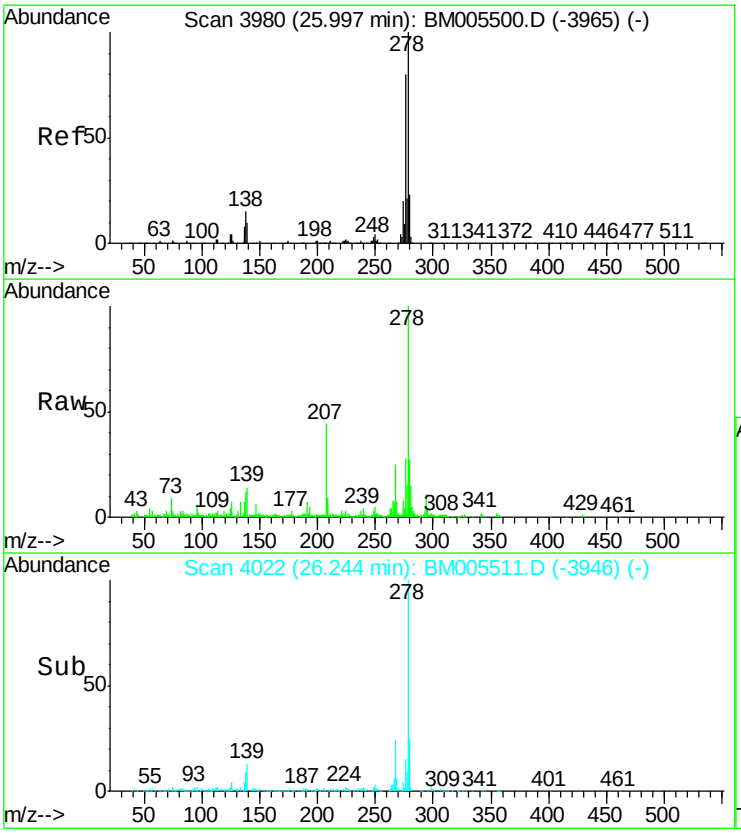
#89
Indeno(1,2,3-cd)pyrene
Concen: 172.13 ng/ul
RT: 26.09 min Scan# 3996
Delta R.T. 0.11 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument : BNA_M
ClientSampleId : D9WT3

Tgt Ion:276 Resp: 46802

Ion	Ratio	Lower	Upper
276	100		
138	50.4	21.0	31.6#
277	60.8	19.9	29.9#

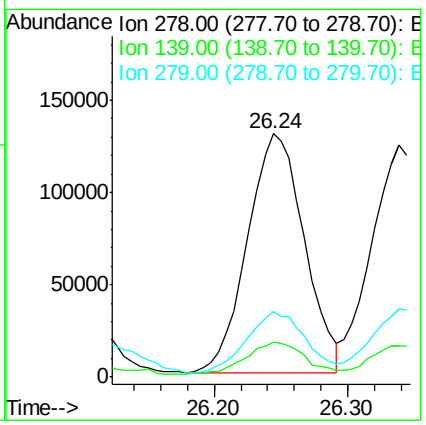


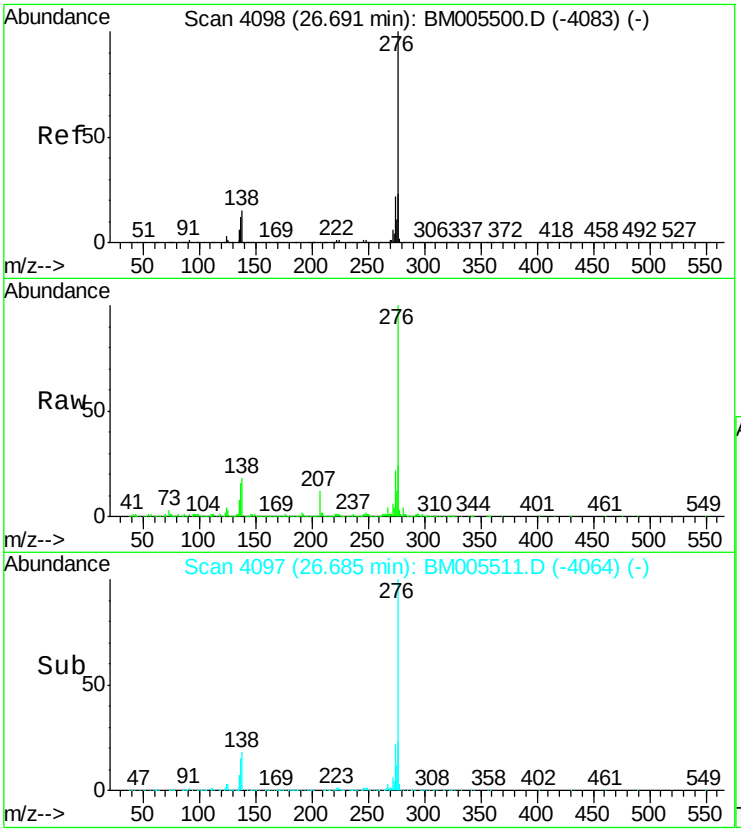


#90
Dibenzo(a,h)anthracene
Concen: 1695.70 ng/ul
RT: 26.24 min Scan# 4022
Delta R.T. 0.25 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Tgt Ion:278 Resp: 382982

Ion	Ratio	Lower	Upper
278	100		
139	14.2	13.8	20.6
279	26.8	18.9	28.3





#91
Benzo(g,h,i)perylene
Concen: 6775.80 ng/ul
RT: 26.69 min Scan# 4097
Delta R.T. -0.01 min
Lab File: BM005511.D
Acq: 19 May 2016 23:07

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion:276 Resp: 1596631

Ion	Ratio	Lower	Upper
276	100		
138	18.0	18.2	27.4#
277	23.5	19.4	29.2