Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012444.D
Acq On : 25 Oct 2017 14:16
Operator : SJ/JU
Sample : I5747-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 26 01:12:14 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	599872	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2484721	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1561524	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	3350278	20.00	ng/ul	0.01
75) Chrysene-d12	21.42	240	2516712	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	2525301	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	35532	3.03	ng/uL	0.00
5) Phenol-d5	7.05	99	895262	17.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	664807	22.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	724073	19.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	960555	22.43	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	387943	24.93	ng/ul	0.01
22) 2-Nitrophenol-d4	9.76	143	398449	24.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	811719	19.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	1171061	26.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	2518894	18.47	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	3255026	20.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	203224	10.02	ng/ul	0.01
57) Fluorene-d10	15.50	176	2257668	19.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	61339	3.78	ng/ul	0.01
70) Anthracene-d10	17.35	188	3340793	20.92	ng/ul	0.00
76) Pyrene-d10	19.64	212	2994666	25.94	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	2422425	20.19	ng/ul	0.03
Target Compounds						Qvalue
4) Benzaldehyde	7.03	77	138755	5.09	ng/ul#	1
6) Phenol	7.07	94	220172	4.22	ng/ul	90
11) 2-Methylphenol	8.32	108	40618	1.03	ng/ul	95
14) Acetophenone	8.69	105	635531	9.44	ng/ul#	32
15) N-Nitroso-di-n-propylamine	8.66	70	92259	2.51	ng/ul#	71
16) 4-Methylphenol	8.65	108	240425	5.58	ng/ul	90
17) Hexachloroethane	8.99	117	726866	44.66	ng/ul#	1
20) Nitrobenzene	9.08	77	146925	3.28	ng/ul#	43
21) Isophorone	9.60	82	308951	3.26	ng/ul#	1
23) 2-Nitrophenol	9.81	139	24070	1.35	ng/ul#	1
24) 2,4-Dimethylphenol	9.89	107	684095	13.65	ng/ul	98
28) Naphthalene	10.73	128	1033587	8.39	ng/ul#	95
32) Caprolactam	11.71	113	126371	9.42	ng/ul	80
34) 2-Methylnaphthalene	12.33	142	2195350	21.94	ng/ul	97
40) 1,1'-Biphenyl	13.34	154	261307	2.10	ng/ul	98
42) 2-Nitroaniline	13.57	65	41648	1.83	ng/ul#	33
44) Dimethylphthalate	13.97	163	1304321	9.67	ng/ul	99
47) Acenaphthylene	14.23	152	212912	1.38	ng/ul#	47
48) 3-Nitroaniline	14.42	138	23854	1.19	ng/ul#	23
49) Acenaphthene	14.57	153	264372	2.51	ng/ul	95
58) Fluorene	15.56	166	384664	2.91	ng/ul#	88
64) N-Nitrosodiphenylamine	15.77	169	549321	5.64	ng/ul#	48
69) Phenanthrene	17.30	178	2740987	15.13	ng/ul	97

Quantitation Report (Not Reviewed)

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Sample : I5747-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 26 01:12:14 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.30	178	2740987	14.64	ng/ul	96
72) Carbazole	17.65	167	155402	1.00	ng/ul#	46
74) Fluoranthene	19.30	202	2615132	12.74	ng/ul#	94
77) Pyrene	19.67	202	2591455	18.11	ng/ul#	94
80) Benzo(a)anthracene	21.40	228	1212774	8.05	ng/ul#	92
81) Bis(2-ethylhexyl)phthalate	21.34	149	357257	4.16	ng/ul	95
82) Chrysene	21.46	228	1281665	9.57	ng/ul#	94
85) Benzo(b)fluoranthene	23.04	252	1821099	11.67	ng/ul#	92
86) Benzo(k)fluoranthene	23.04	252	1821099	12.39	ng/ul#	90
88) Benzo(a)pyrene	23.64	252	1307880	8.79	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.08	276	1178624	6.73	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	308592	2.08	ng/ul#	70
91) Benzo(g,h,i)perylene	26.80	276	1132612	7.98	ng/ul#	91

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

Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :

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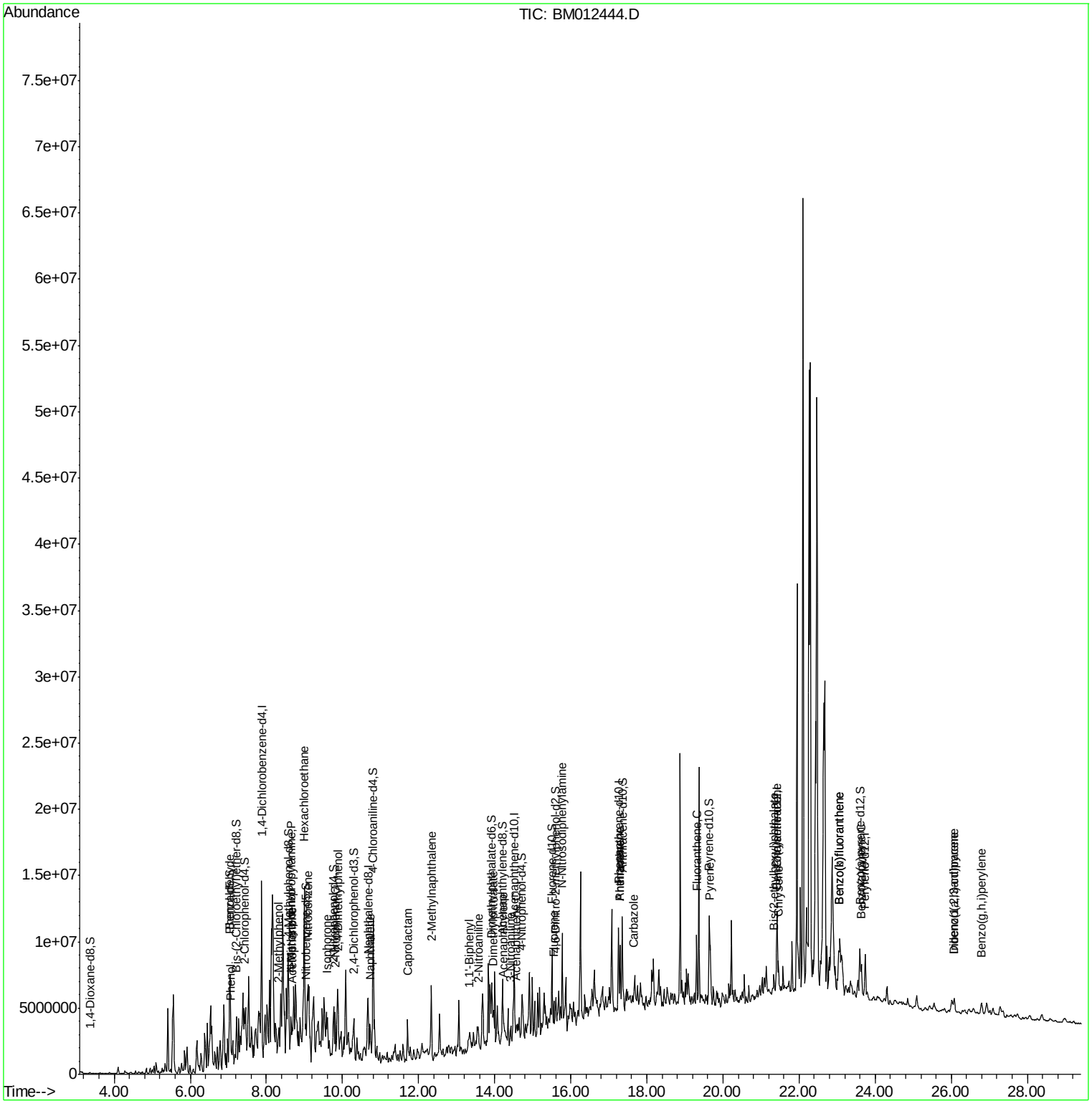
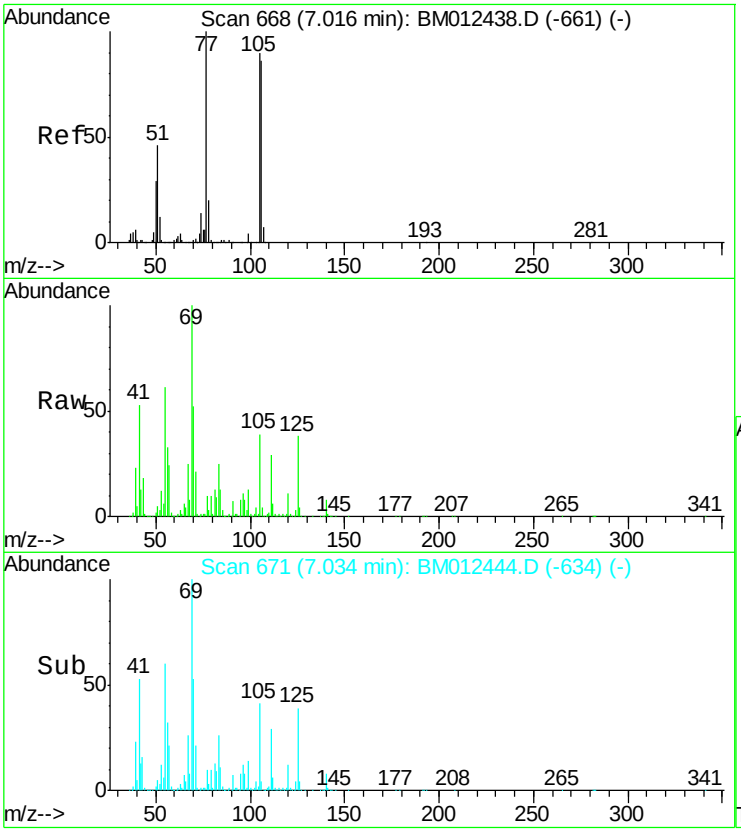
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration



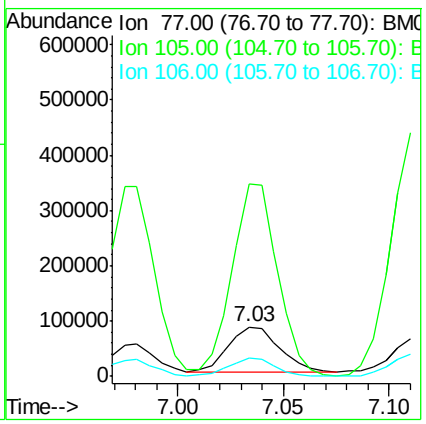


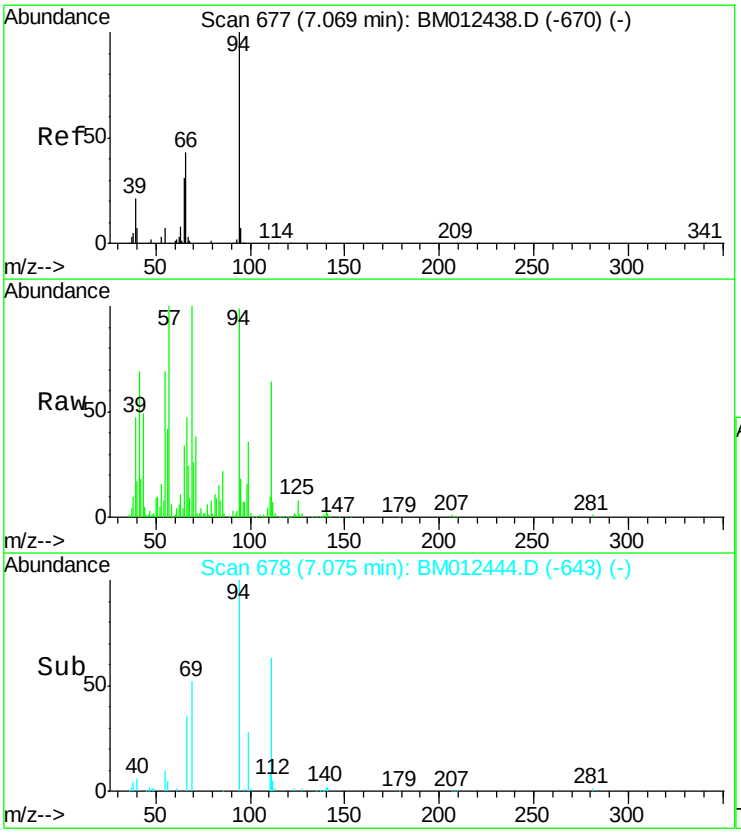
#4
Benzaldehyde
Concen: 5.09 ng/ul
RT: 7.03 min Scan# 671
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 138755

Ion	Ratio	Lower	Upper
77	100		
105	388.8	66.1	99.1#
106	37.4	67.8	101.6#

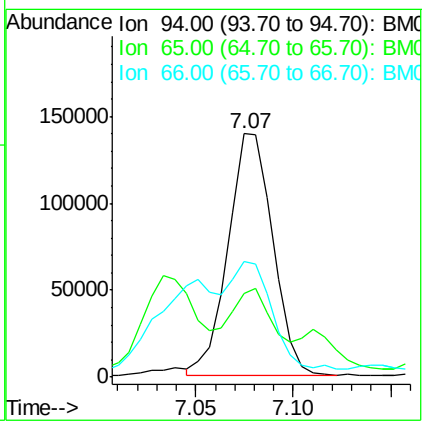


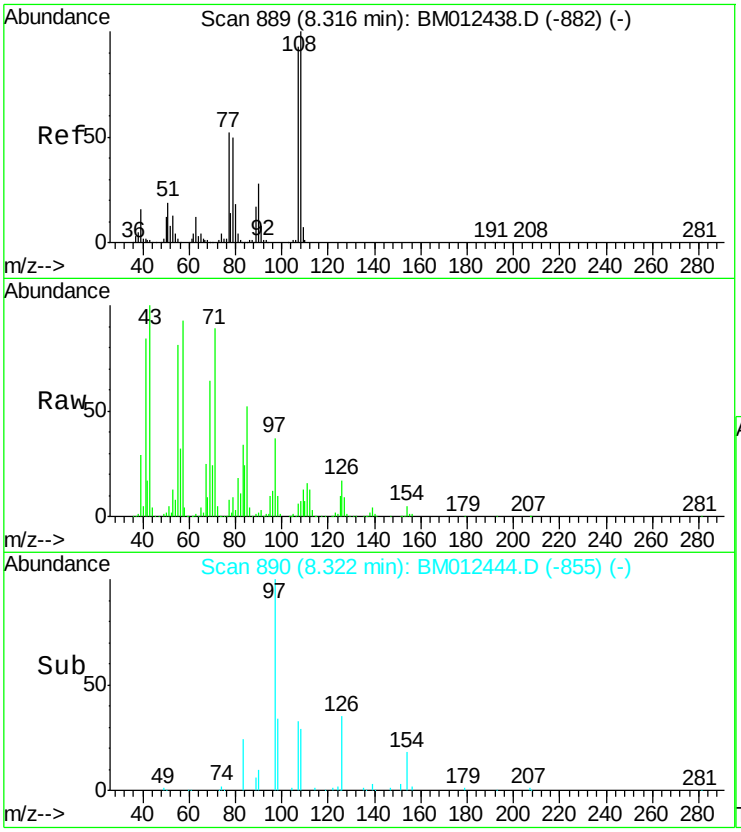


#6
Phenol
Concen: 4.22 ng/ul
RT: 7.07 min Scan# 678
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion: 94 Resp: 220172

Ion	Ratio	Lower	Upper
94	100		
65	34.2	28.2	42.4
66	47.4	47.2	70.8



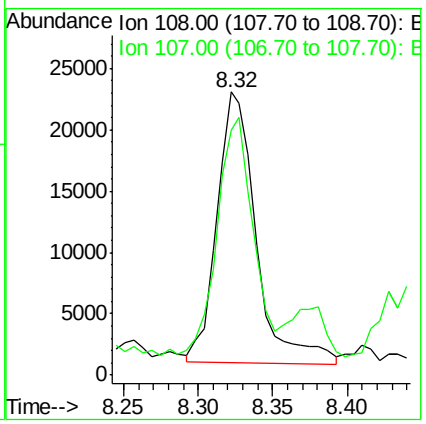


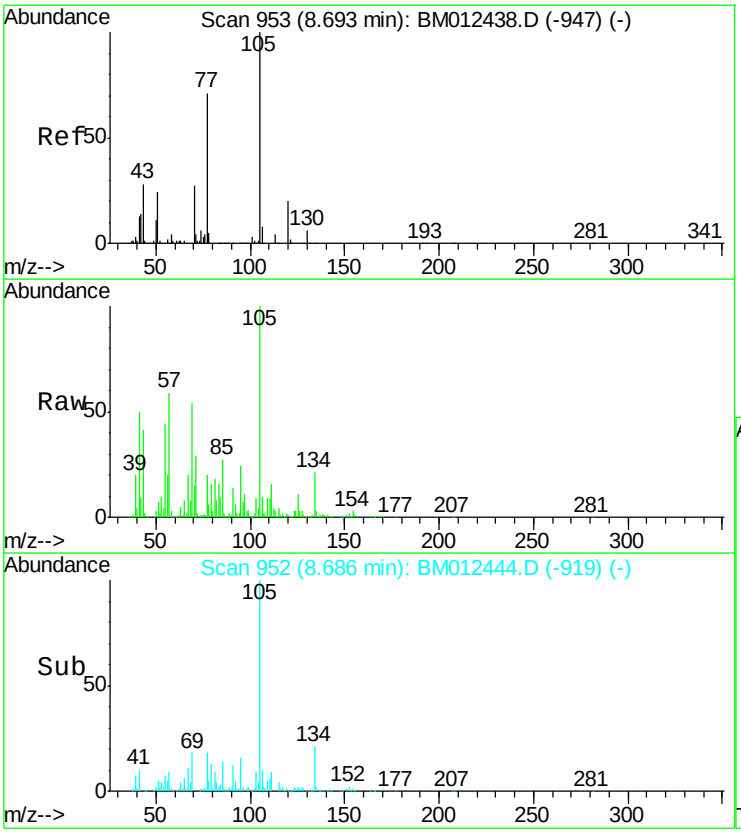
#11
2-Methylphenol
Concen: 1.03 ng/ul
RT: 8.32 min Scan# 890
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:108 Resp: 40618

Ion	Ratio	Lower	Upper
108	100		
107	86.4	72.6	108.8

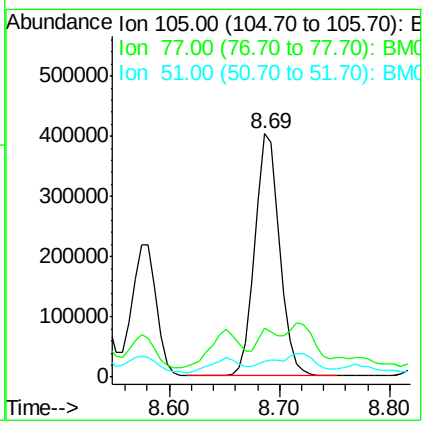


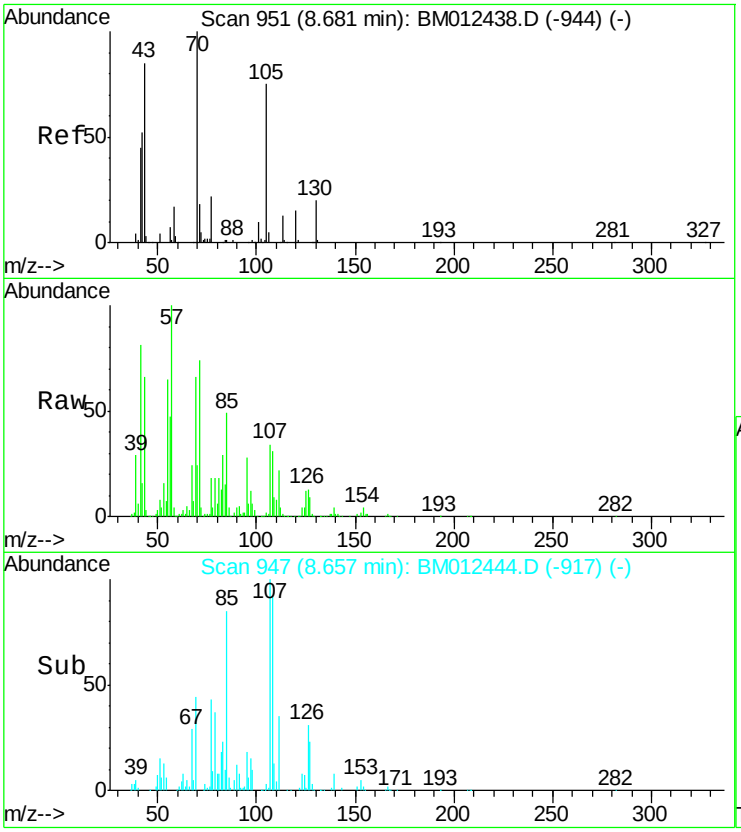


#14
Acetophenone
Concen: 9.44 ng/ul
RT: 8.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:105 Resp: 635531

Ion	Ratio	Lower	Upper
105	100		
77	20.3	74.2	111.4#
51	6.6	23.4	35.2#



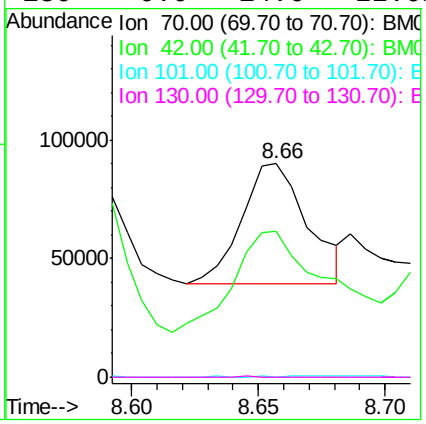


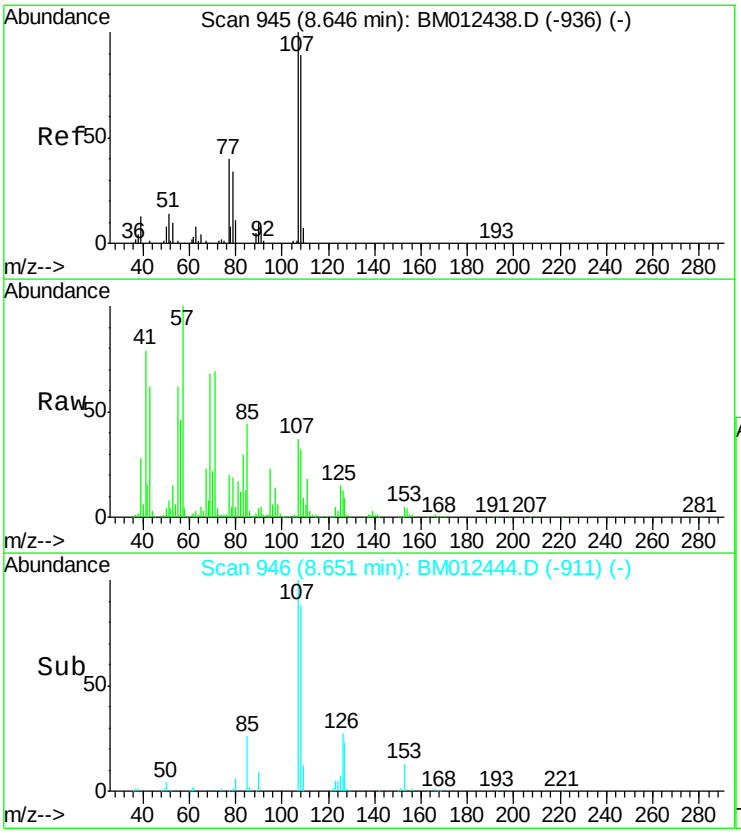
#15
N-Nitroso-di-n-propylamine
Concen: 2.51 ng/ul
RT: 8.66 min Scan# 947
Delta R.T. -0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 70 Resp: 92259

Ion	Ratio	Lower	Upper
70	100		
42	68.5	76.0	114.0#
101	0.0	6.7	10.1#
130	0.0	14.6	22.0#

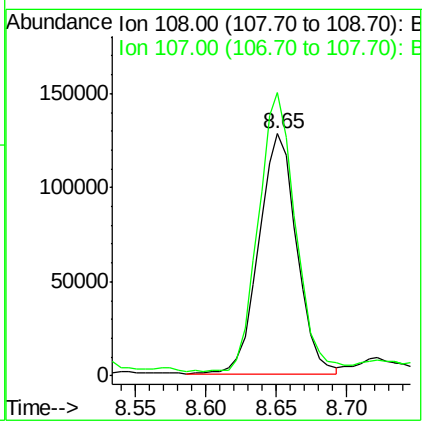


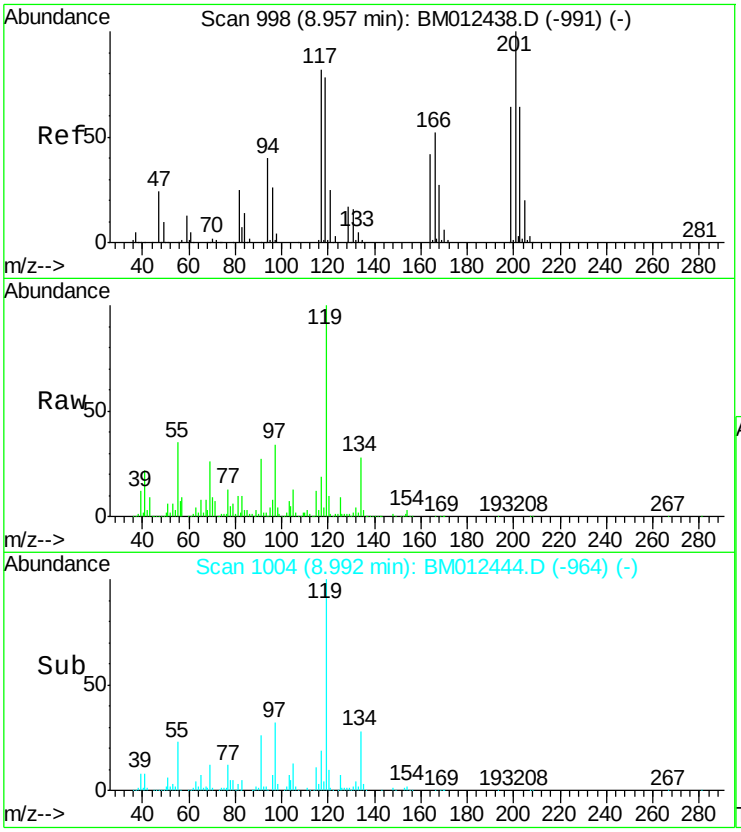


#16
4-Methylphenol
Concen: 5.58 ng/ul
RT: 8.65 min Scan# 946
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:108 Resp: 240425

Ion	Ratio	Lower	Upper
108	100		
107	116.8	84.9	127.3



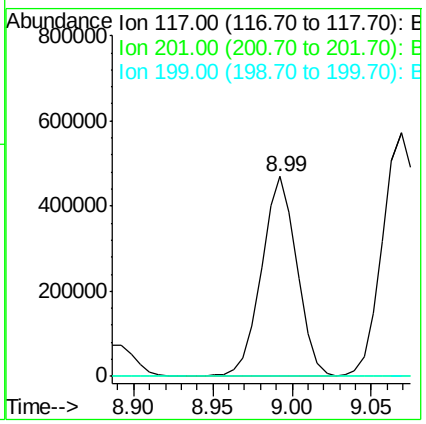


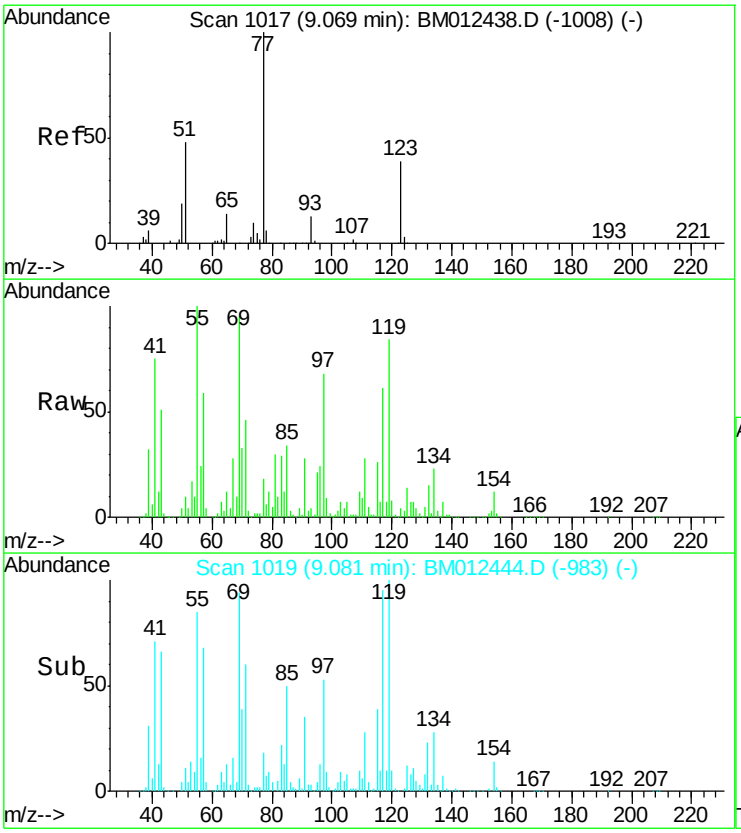
#17
Hexachloroethane
Concen: 44.66 ng/ul
RT: 8.99 min Scan# 1004
Delta R.T. 0.03 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:117 Resp: 726866

Ion	Ratio	Lower	Upper
117	100		
201	0.0	111.6	167.4#
199	0.0	67.8	101.6#

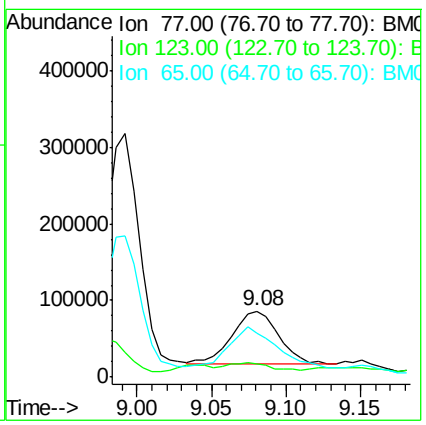


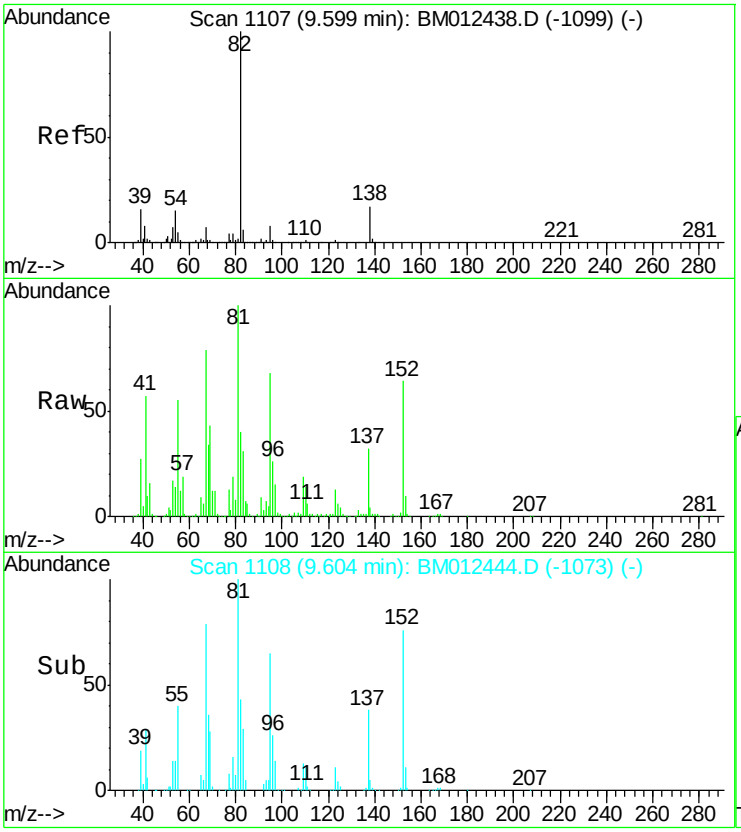


#20
Nitrobenzene
Concen: 3.28 ng/ul
RT: 9.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion: 77 Resp: 146925

Ion	Ratio	Lower	Upper
77	100		
123	20.4	31.0	46.6#
65	67.6	12.2	18.2#



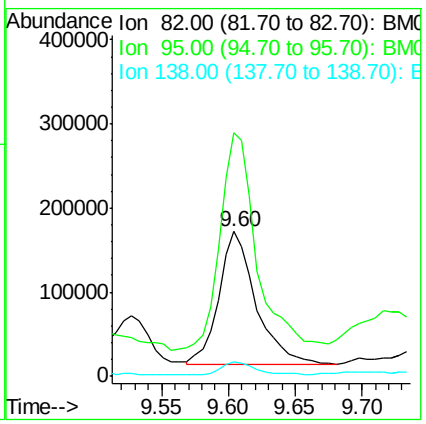


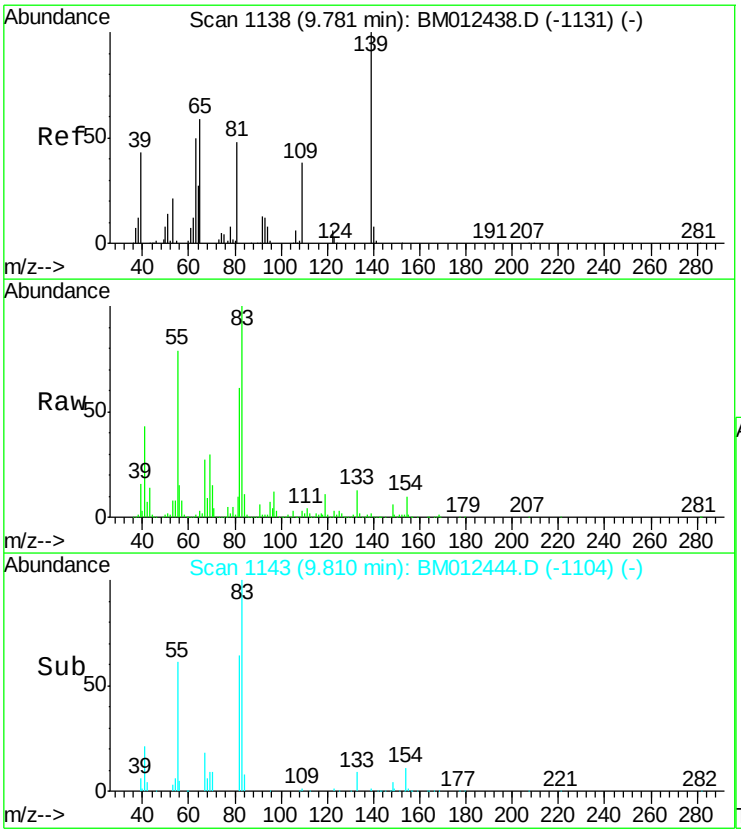
#21
Isophorone
Concen: 3.26 ng/ul
RT: 9.60 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 82 Resp: 308951

Ion	Ratio	Lower	Upper
82	100		
95	168.4	7.8	11.8#
138	10.4	11.9	17.9#

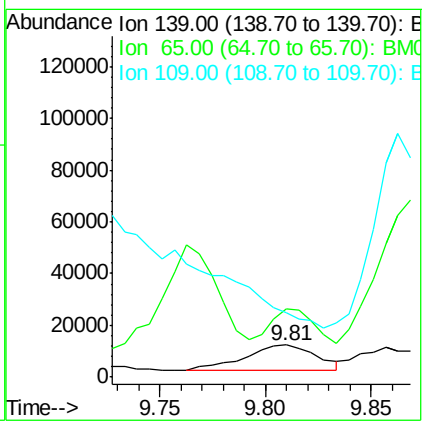


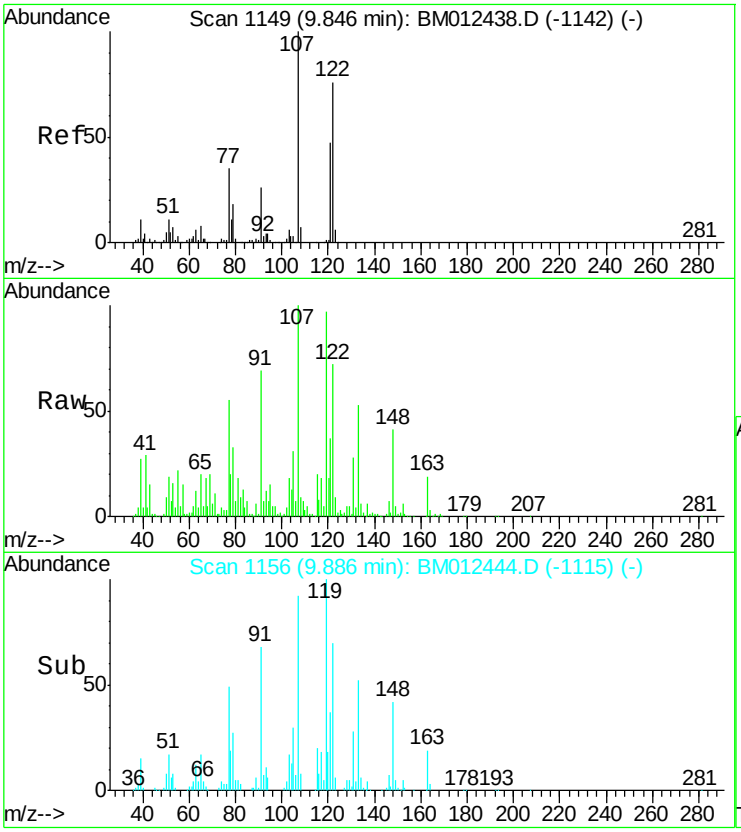


#23
2-Nitrophenol
Concen: 1.35 ng/ul
RT: 9.81 min Scan# 1143
Delta R.T. 0.03 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:139 Resp: 24070

Ion	Ratio	Lower	Upper
139	100		
65	211.7	55.4	83.0#
109	201.8	42.2	63.2#



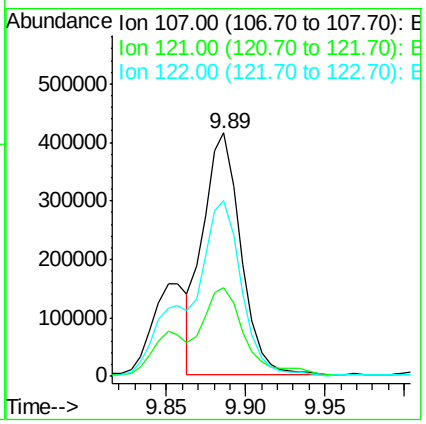


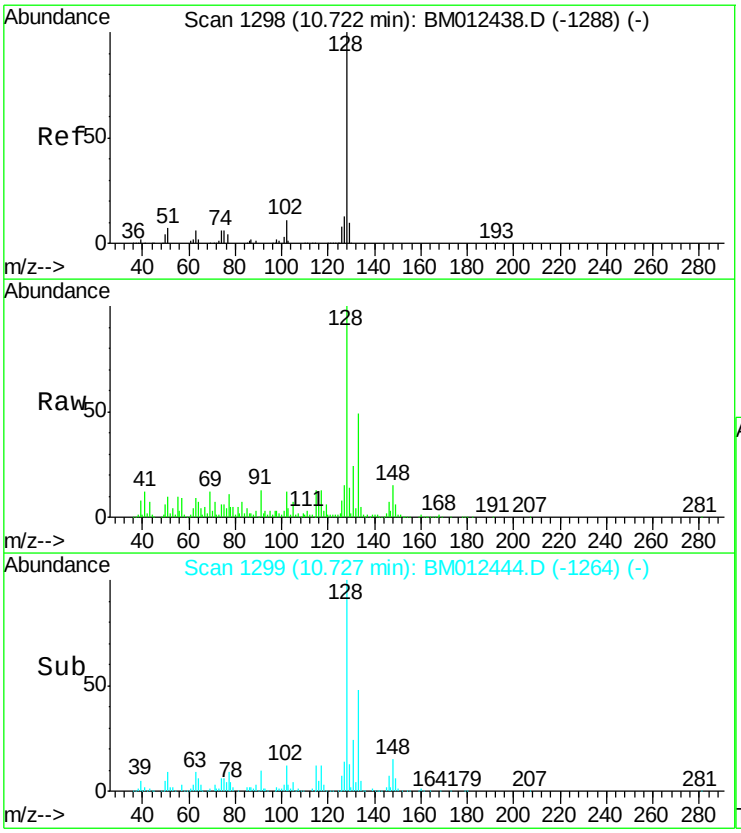
#24
2,4-Dimethylphenol
Concen: 13.65 ng/ul
RT: 9.89 min Scan# 1156
Delta R.T. 0.04 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 684095

Ion	Ratio	Lower	Upper
107	100		
121	36.6	31.9	47.9
122	72.0	57.8	86.6

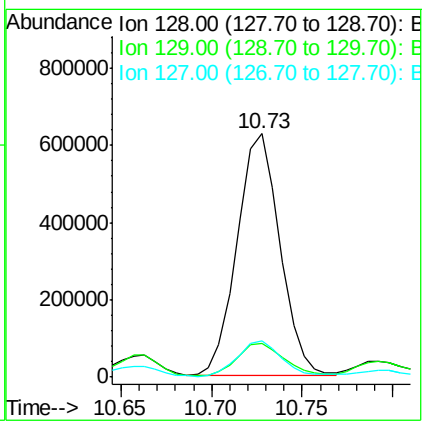


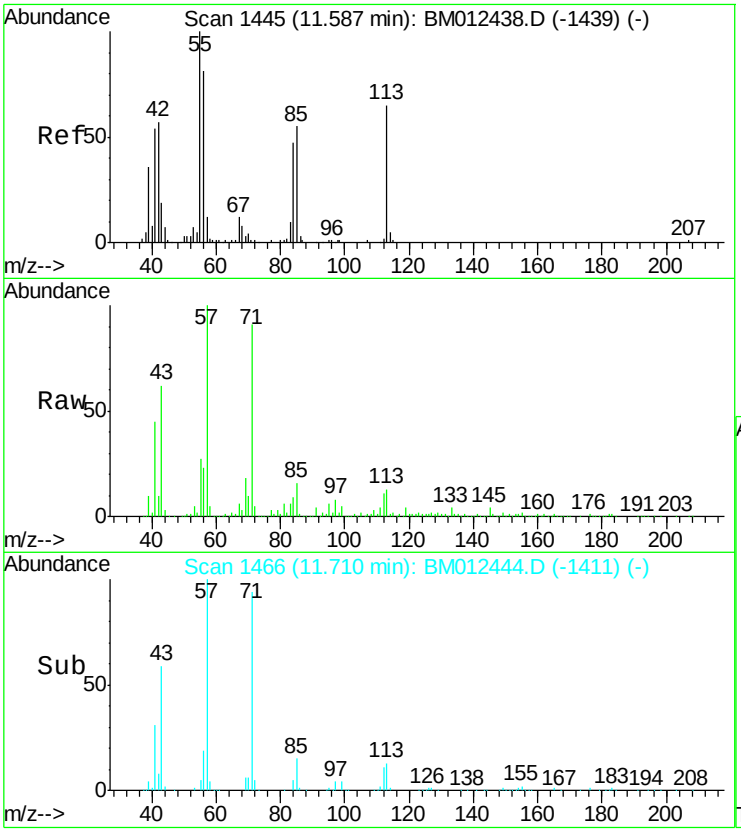


#28
Naphthalene
Concen: 8.39 ng/ul
RT: 10.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:128 Resp: 1033587

Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.8	13.2#
127	14.7	10.6	16.0



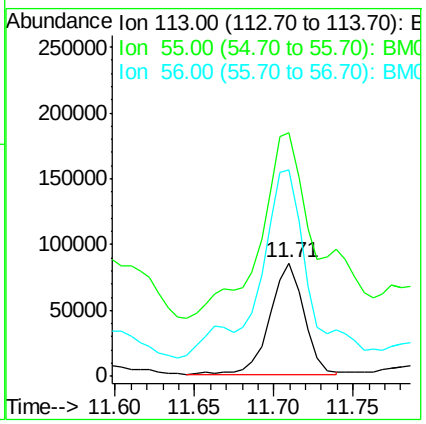


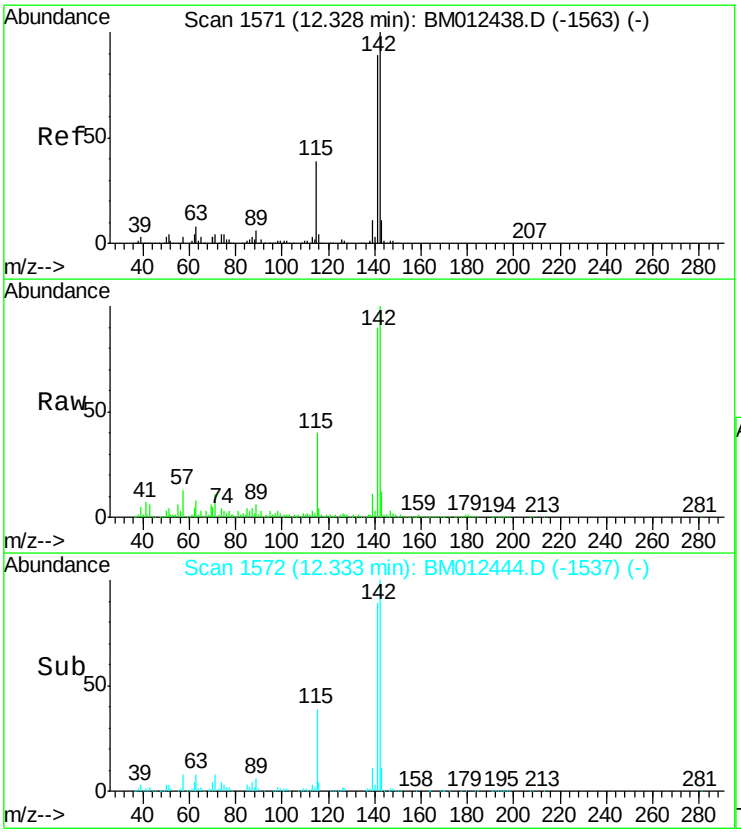
#32
Caprolactam
Concen: 9.42 ng/ul
RT: 11.71 min Scan# 1466
Delta R.T. 0.12 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:113 Resp: 126371

Ion	Ratio	Lower	Upper
113	100		
55	214.4	208.0	312.0
56	182.2	160.0	240.0

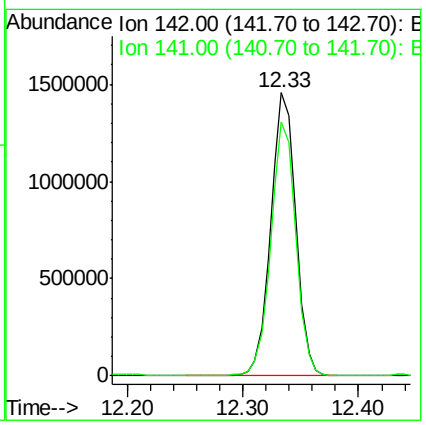


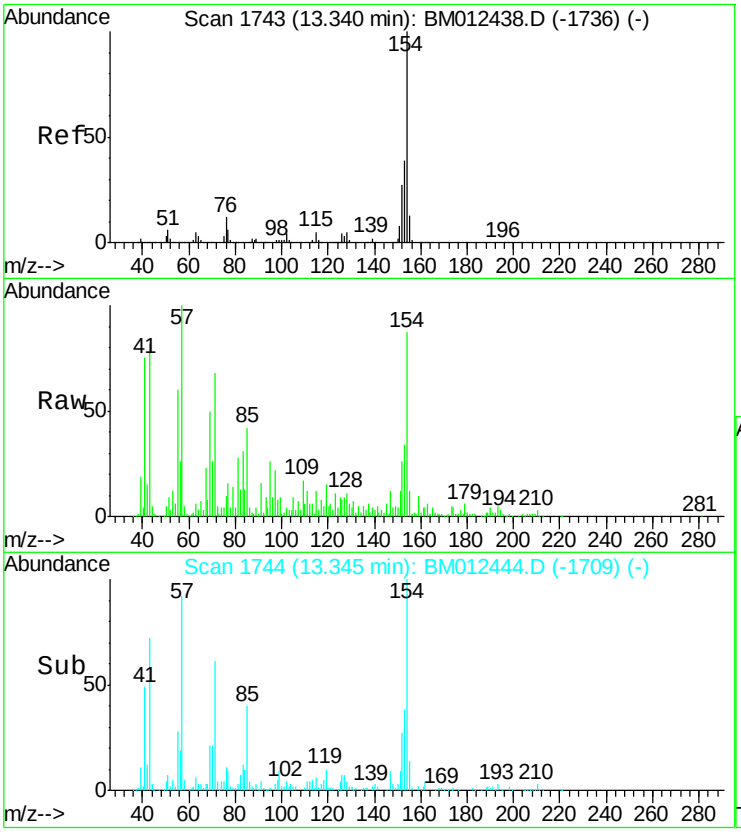


#34
2-Methylnaphthalene
Concen: 21.94 ng/ul
RT: 12.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:142 Resp: 2195350

Ion	Ratio	Lower	Upper
142	100		
141	89.6	74.1	111.1



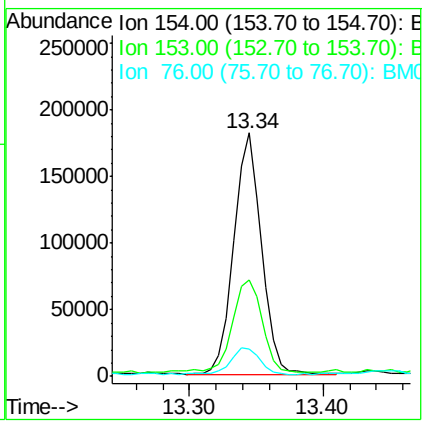


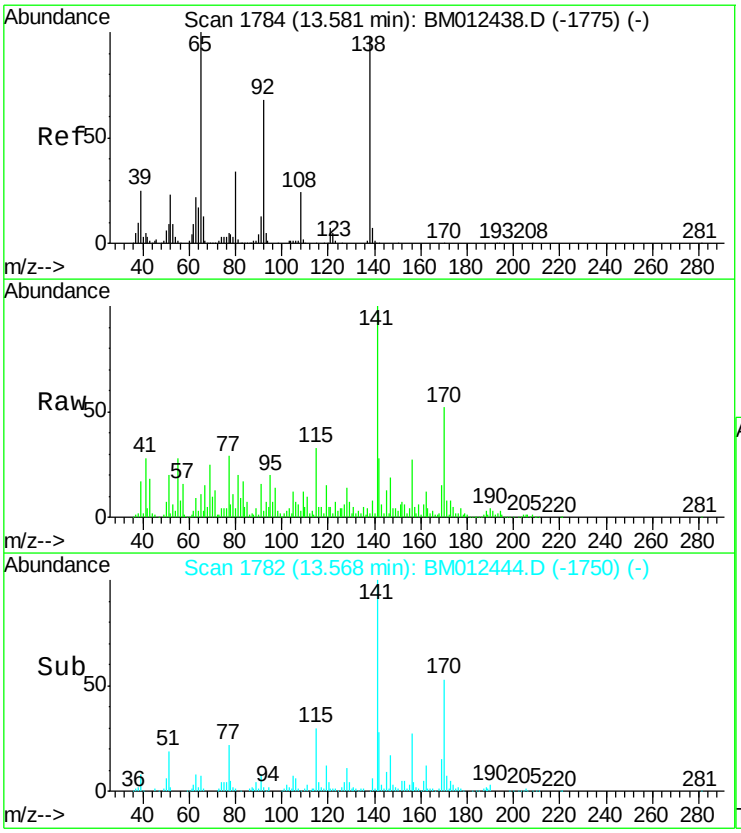
#40
1,1'-Biphenyl
Concen: 2.10 ng/ul
RT: 13.34 min Scan# 1744
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 261307

Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.6	48.8
76	11.5	8.5	12.7

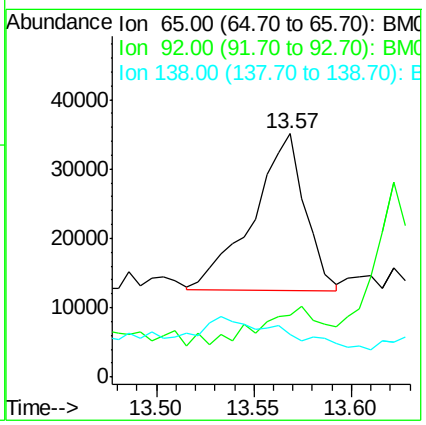


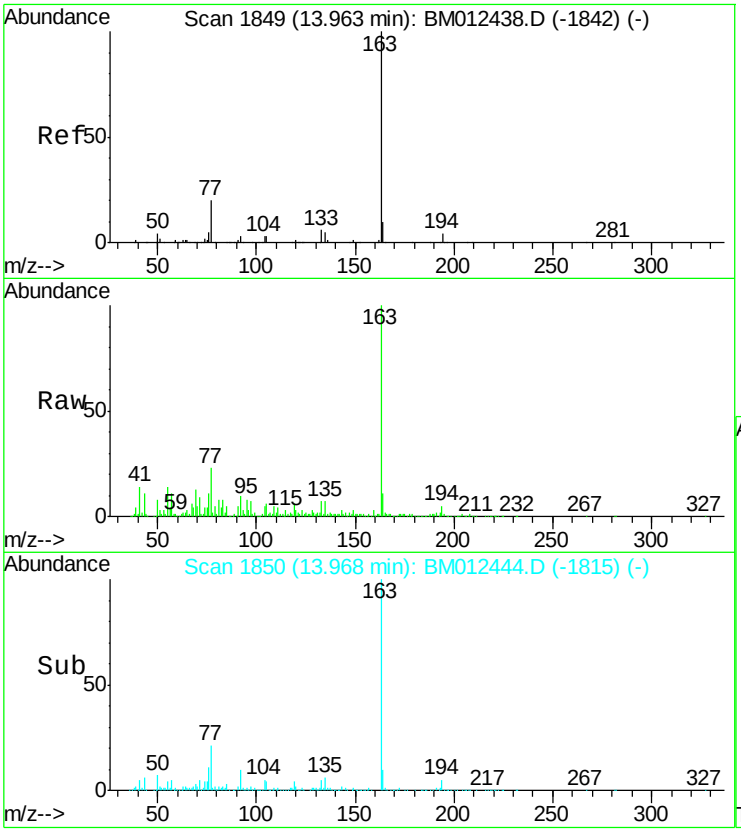


#42
2-Nitroaniline
Concen: 1.83 ng/ul
RT: 13.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion: 65 Resp: 41648

Ion	Ratio	Lower	Upper
65	100		
92	25.4	51.8	77.6#
138	17.7	74.2	111.4#



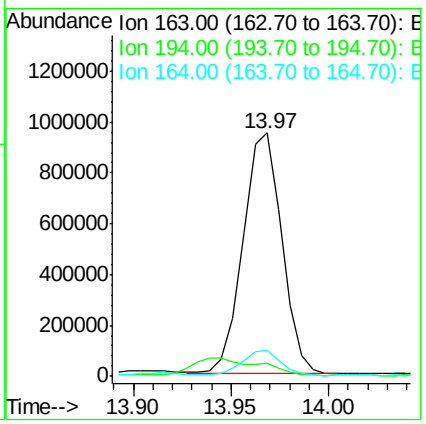


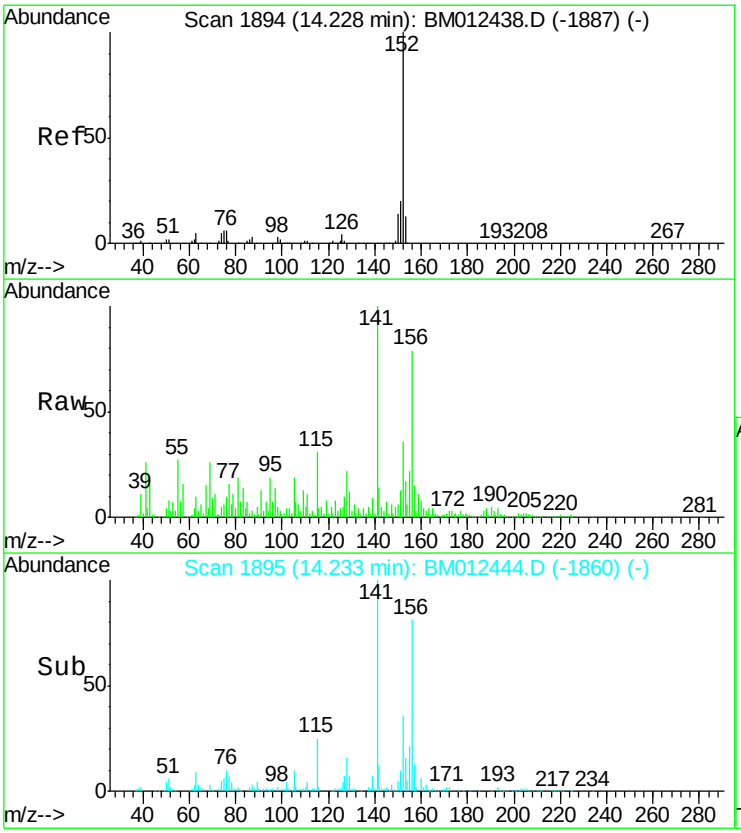
#44
Dimethylphthalate
Concen: 9.67 ng/ul
RT: 13.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:163 Resp: 1304321

Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	10.7	8.2	12.4

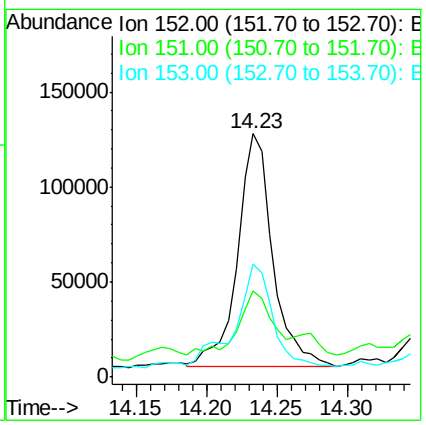


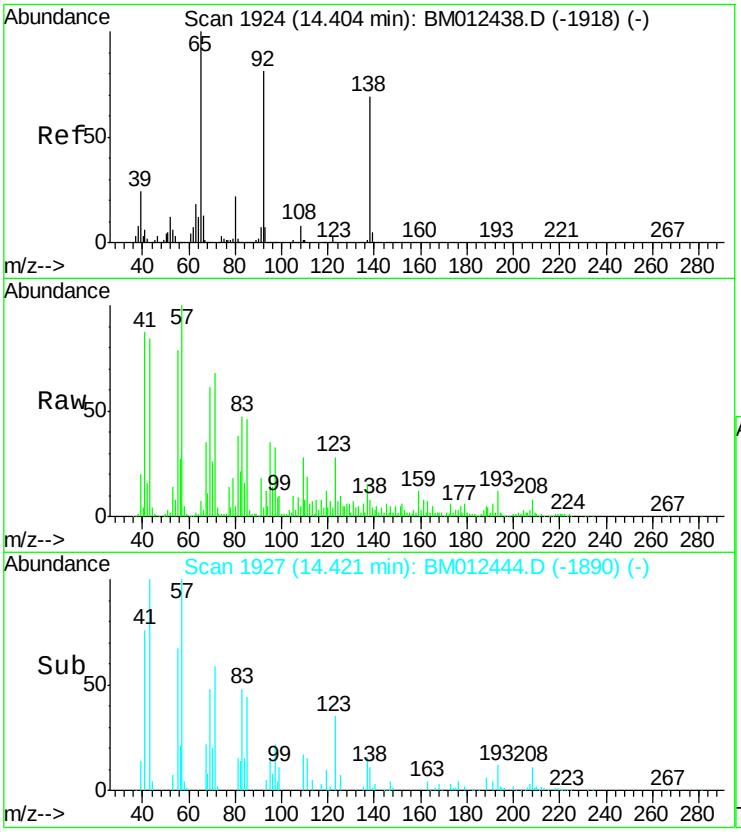


#47
Acenaphthylene
Concen: 1.38 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:152 Resp: 212912

Ion	Ratio	Lower	Upper
152	100		
151	35.5	16.3	24.5#
153	46.5	10.2	15.4#



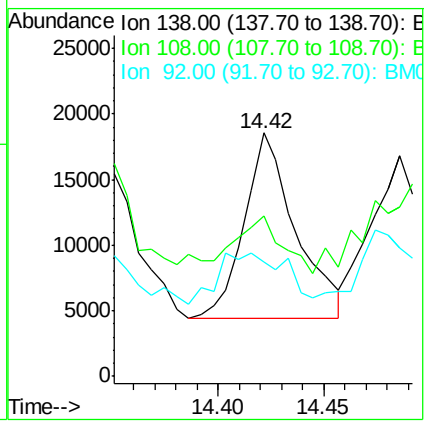


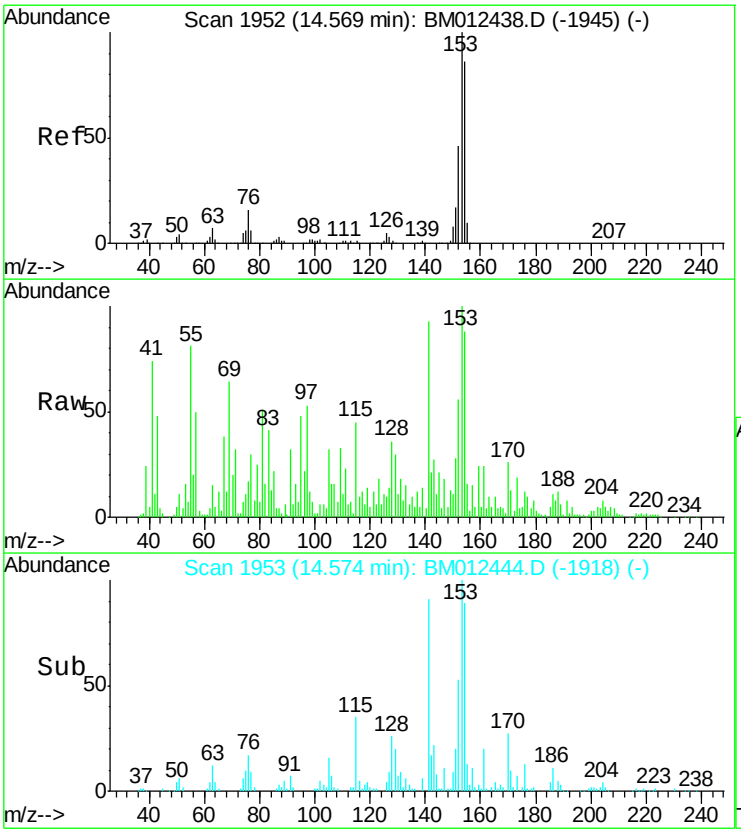
#48
3-Nitroaniline
Concen: 1.19 ng/ul
RT: 14.42 min Scan# 1927
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:138 Resp: 23854

Ion	Ratio	Lower	Upper
138	100		
108	65.9	9.9	14.9#
92	47.1	105.0	157.4#

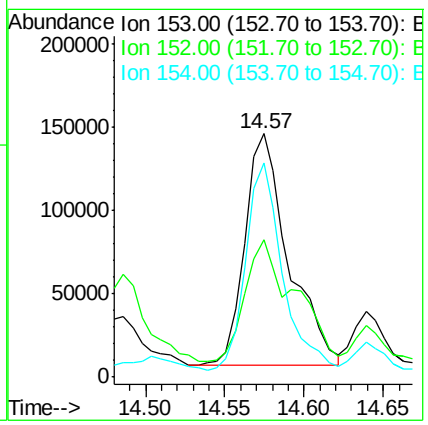


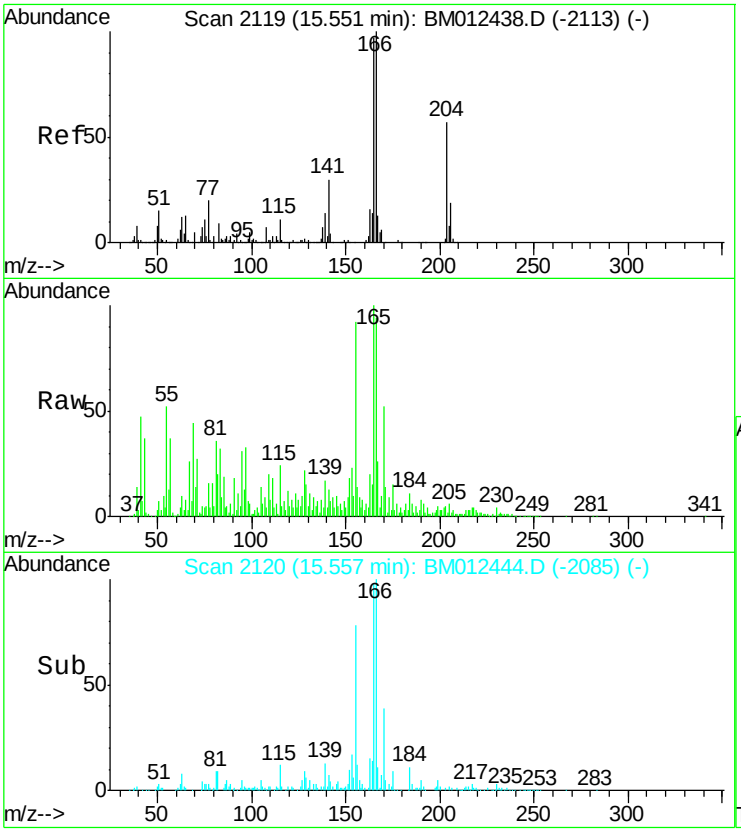


#49
Acenaphthene
Concen: 2.51 ng/ul
RT: 14.57 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:153 Resp: 264372

Ion	Ratio	Lower	Upper
153	100		
152	56.2	37.6	56.4
154	87.9	70.4	105.6



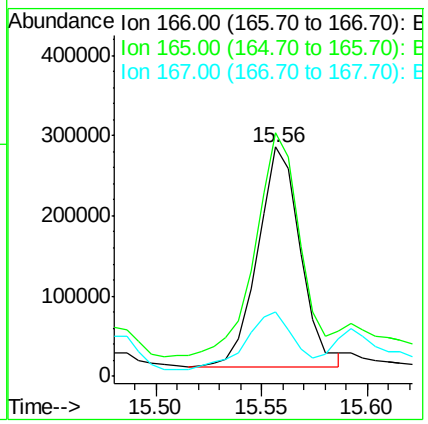


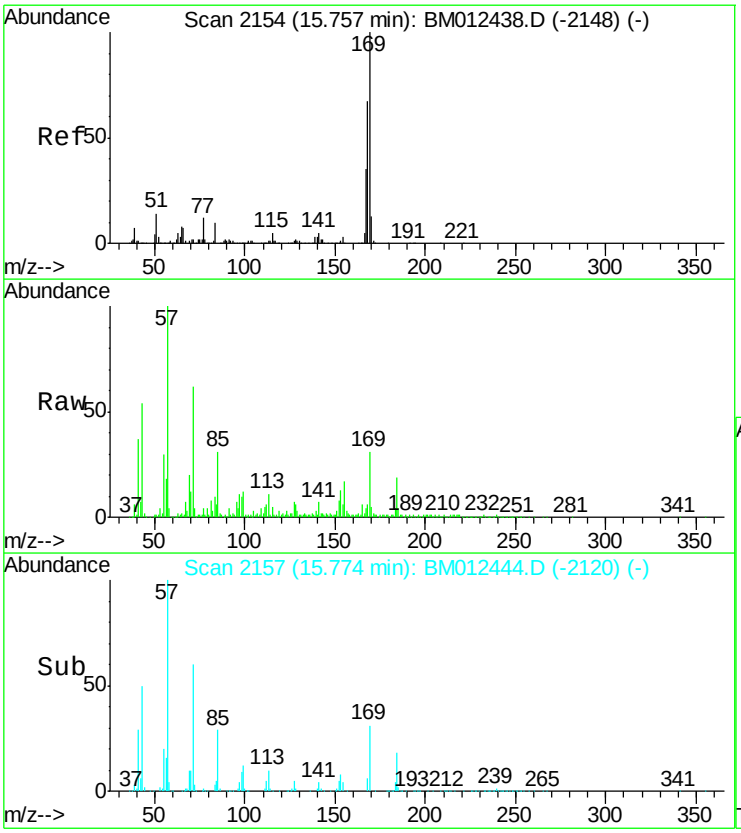
#58
Fluorene
Concen: 2.91 ng/ul
RT: 15.56 min Scan# 2120
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 384664

Ion	Ratio	Lower	Upper
166	100		
165	106.3	77.9	116.9
167	28.1	10.6	16.0#

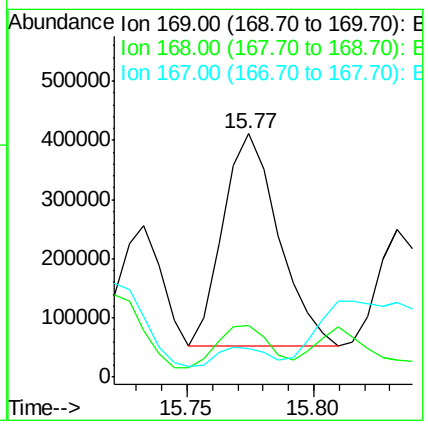


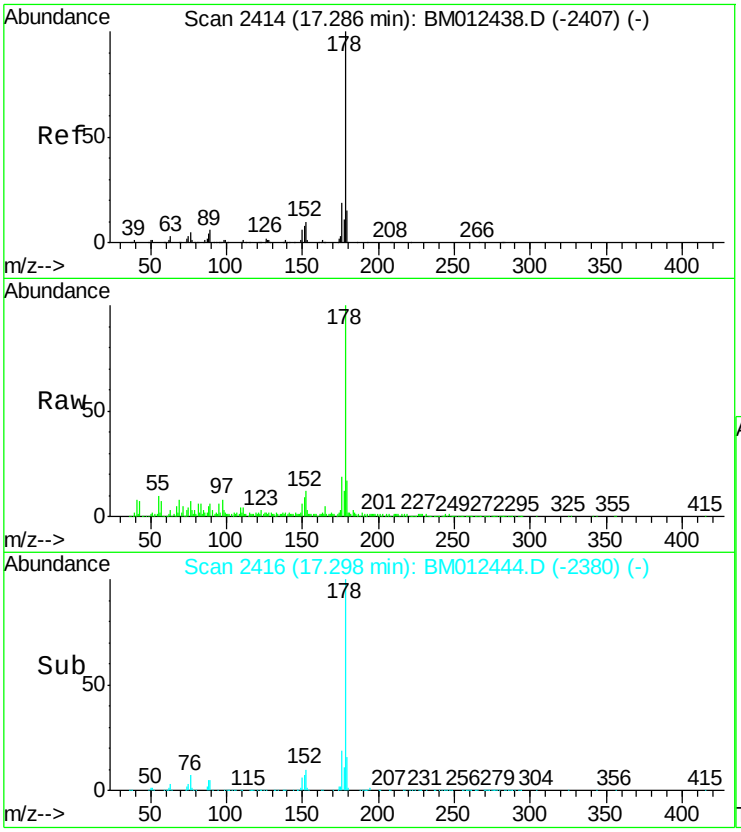


#64
N-Nitrosodiphenylamine
Concen: 5.64 ng/ul
RT: 15.77 min Scan# 2157
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:169 Resp: 549321

Ion	Ratio	Lower	Upper
169	100		
168	21.1	54.0	81.0#
167	11.8	29.1	43.7#



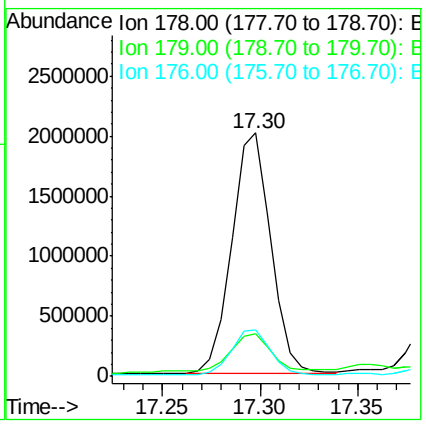


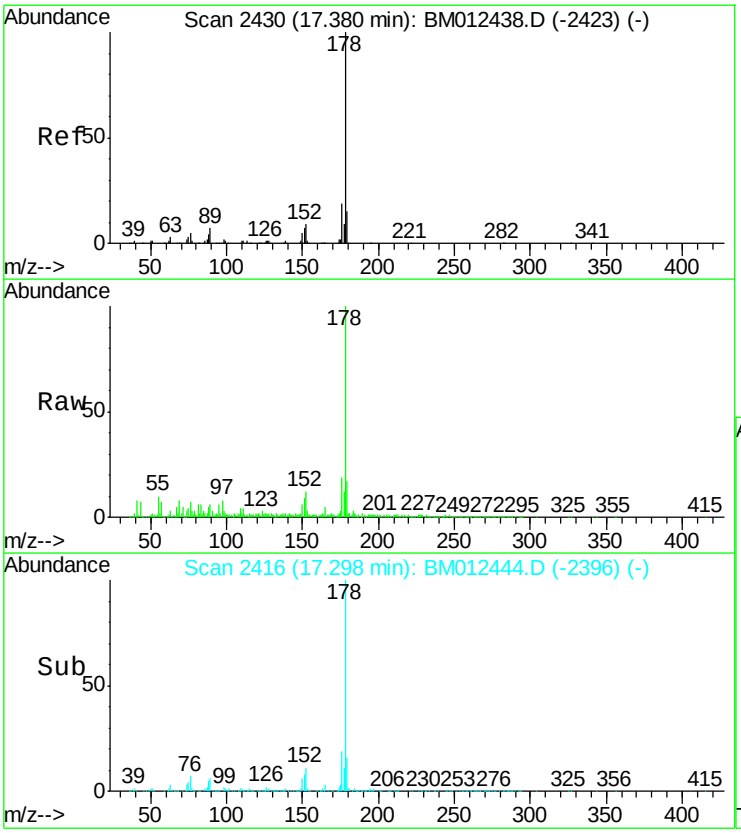
#69
Phenanthrene
Concen: 15.13 ng/ul
RT: 17.30 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 2740987

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.6	19.0
176	19.4	14.9	22.3

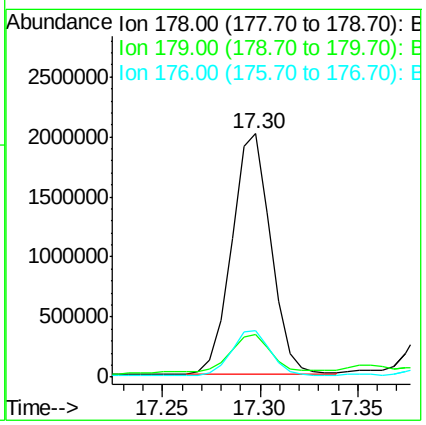


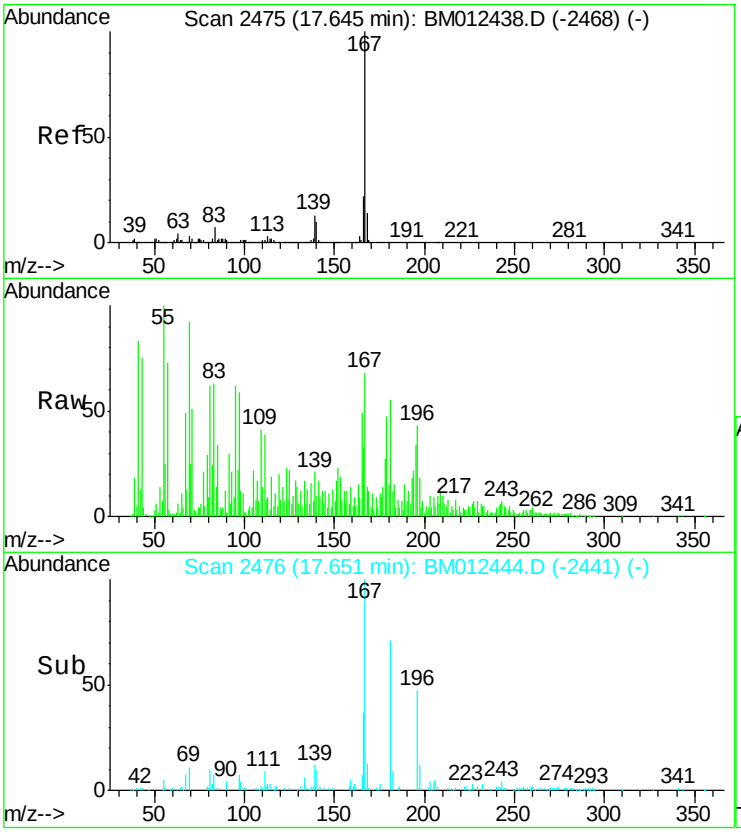


#71
Anthracene
Concen: 14.64 ng/ul
RT: 17.30 min Scan# 2416
Delta R.T. -0.08 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:178 Resp: 2740987

Ion	Ratio	Lower	Upper
178	100		
179	17.3	11.7	17.5
176	19.4	14.6	21.8



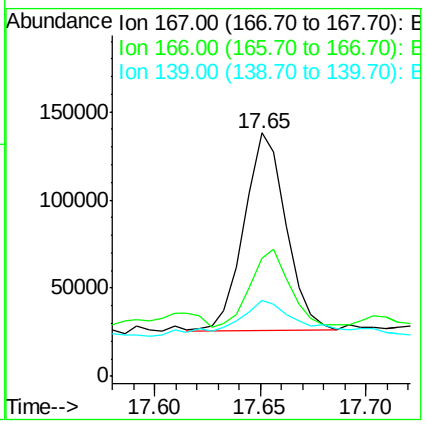


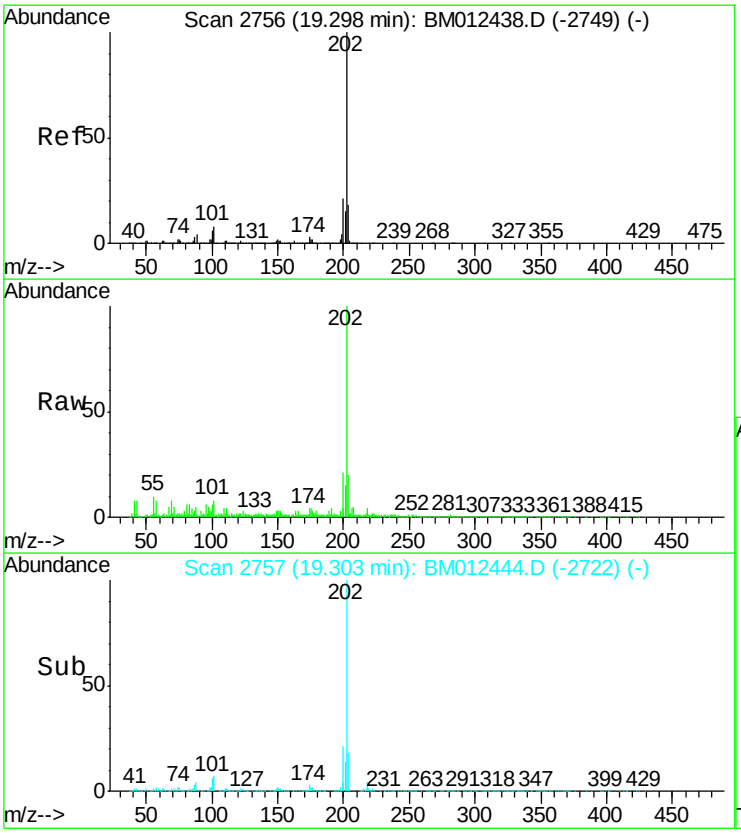
#72
Carbazole
Concen: 1.00 ng/ul
RT: 17.65 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 155402

Ion	Ratio	Lower	Upper
167	100		
166	48.8	17.1	25.7#
139	31.0	10.0	15.0#

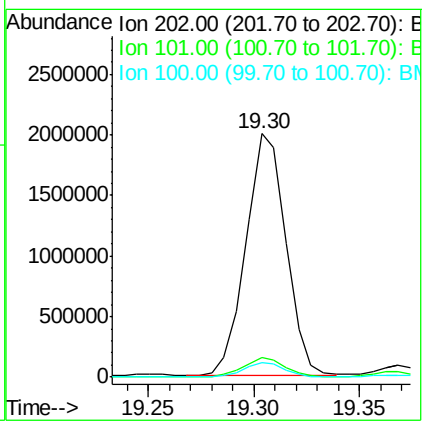


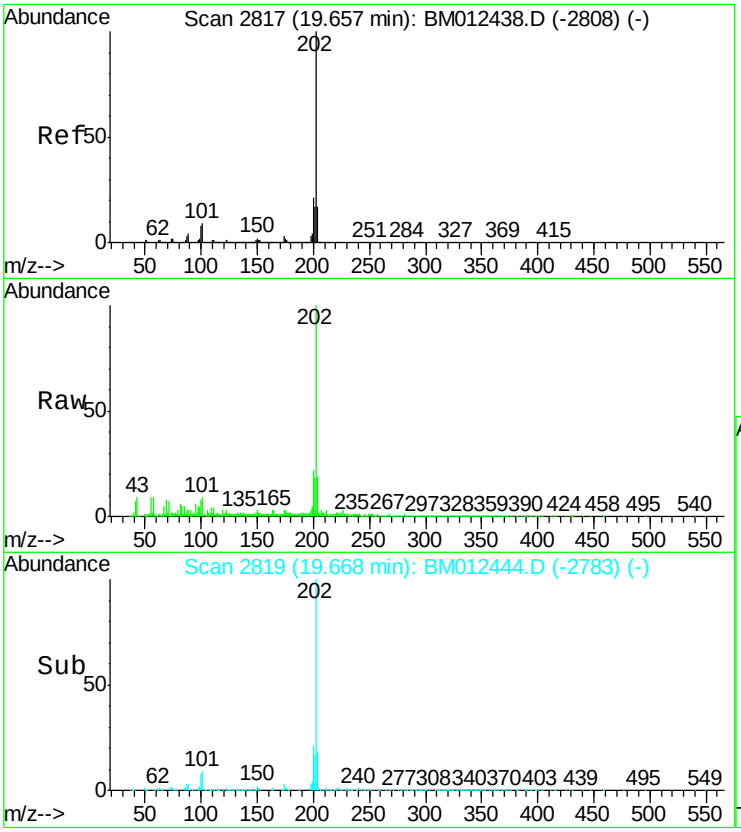


#74
Fluoranthene
Concen: 12.74 ng/ul
RT: 19.30 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:202 Resp: 2615132

Ion	Ratio	Lower	Upper
202	100		
101	8.2	4.6	7.0#
100	5.9	3.4	5.2#



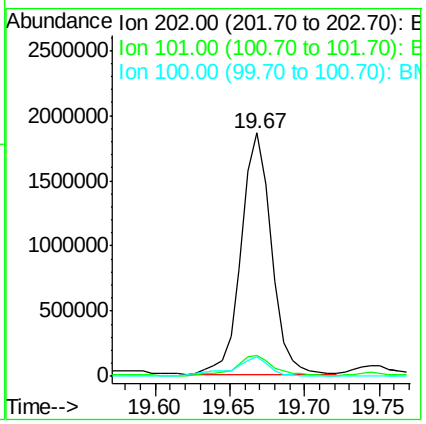


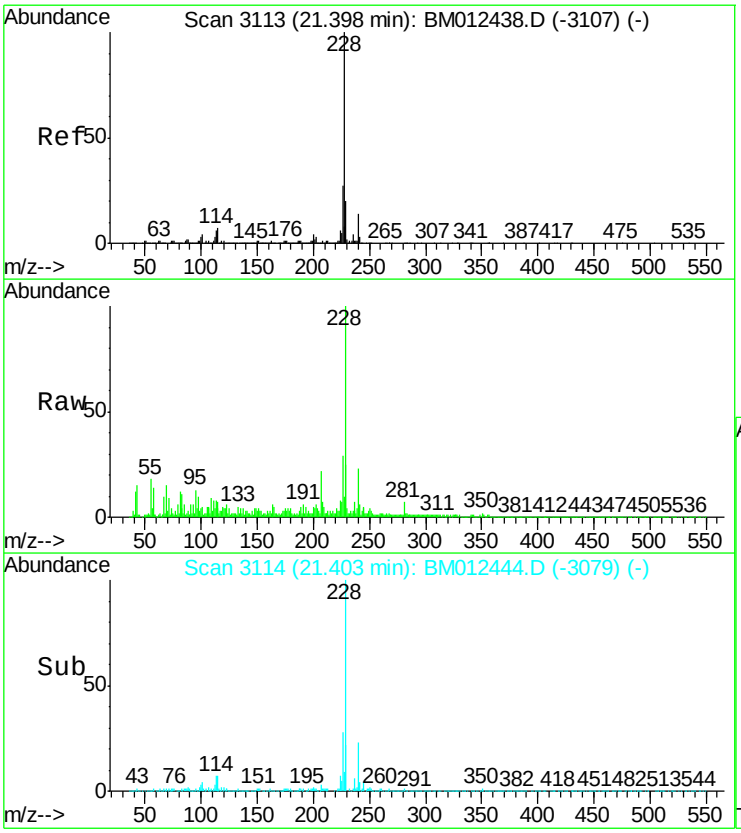
#77
Pyrene
Concen: 18.11 ng/ul
RT: 19.67 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 2591455

Ion	Ratio	Lower	Upper
202	100		
101	8.8	5.1	7.7#
100	7.8	4.9	7.3#

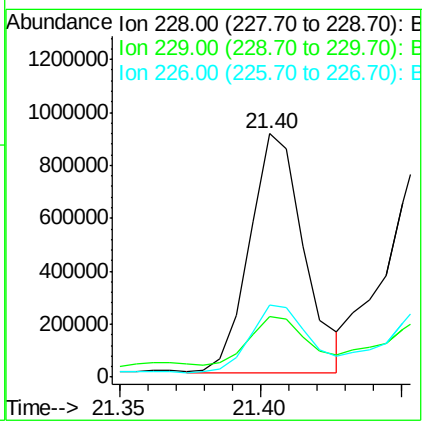


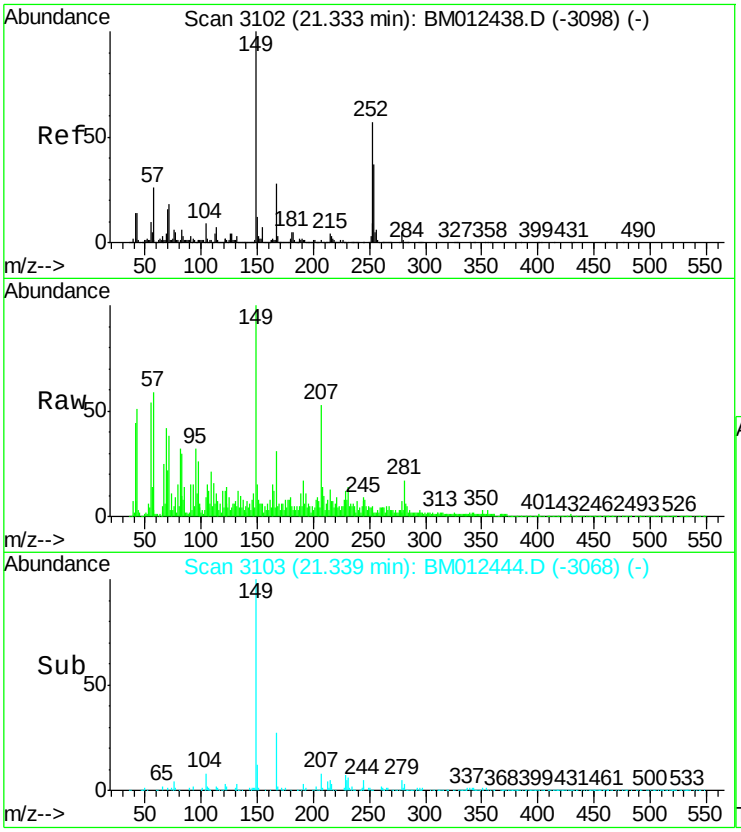


#80
Benzo(a)anthracene
Concen: 8.05 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:228 Resp: 1212774

Ion	Ratio	Lower	Upper
228	100		
229	25.0	15.4	23.0#
226	29.4	21.4	32.0



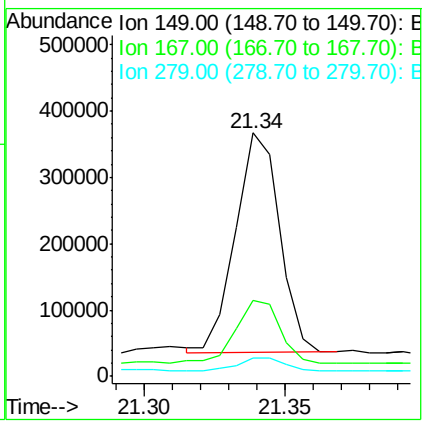


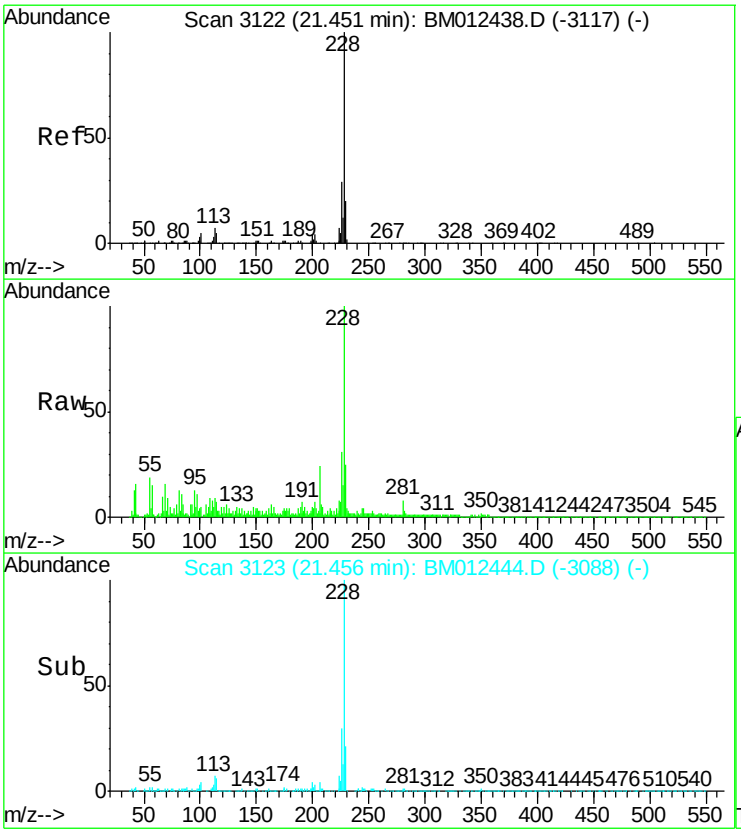
#81
Bis(2-ethylhexyl)phthalate
Concen: 4.16 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 357257

Ion	Ratio	Lower	Upper
149	100		
167	31.4	22.8	34.2
279	7.3	4.9	7.3

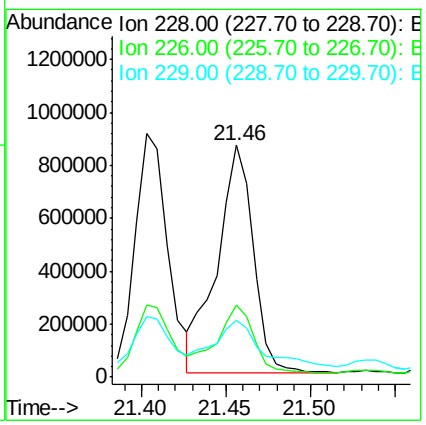


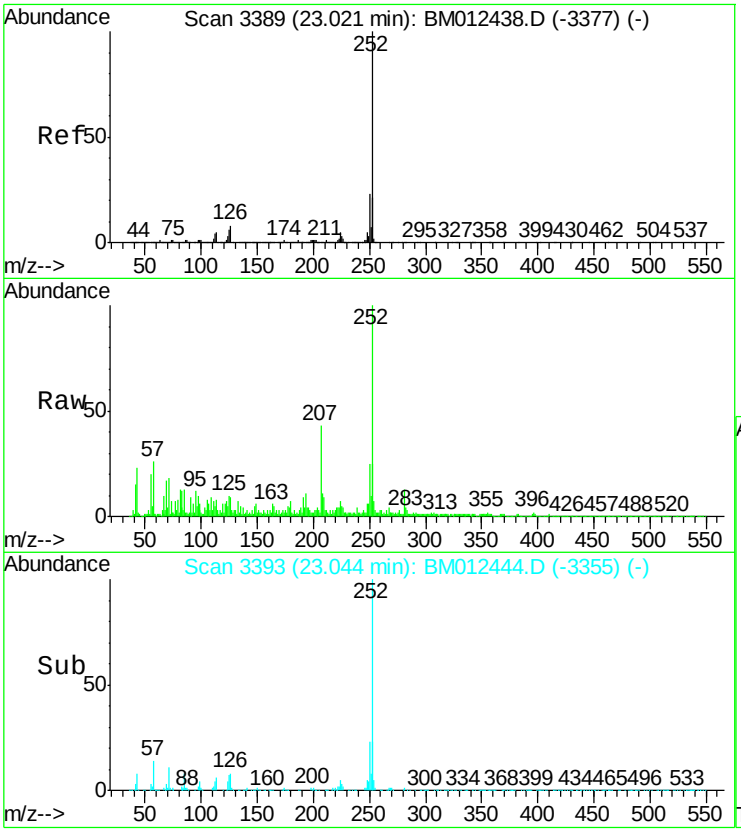


#82
Chrysene
Concen: 9.57 ng/ul
RT: 21.46 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:228 Resp: 1281665

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	24.6	15.5	23.3#



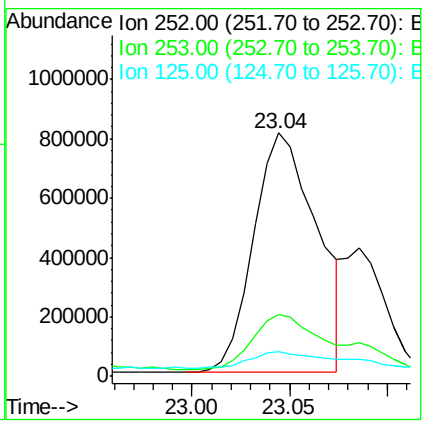


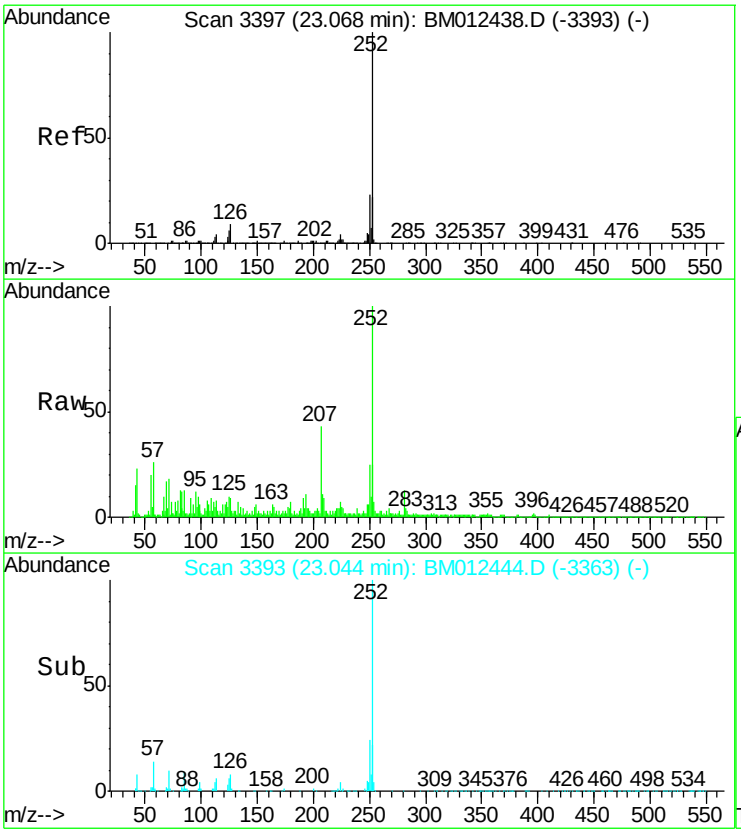
#85
Benzo(b)fluoranthene
Concen: 11.67 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 1821099

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	10.1	3.6	5.4#

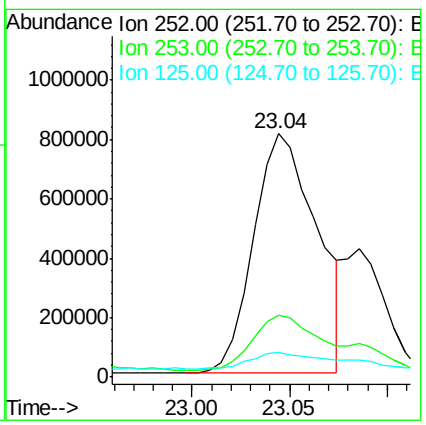


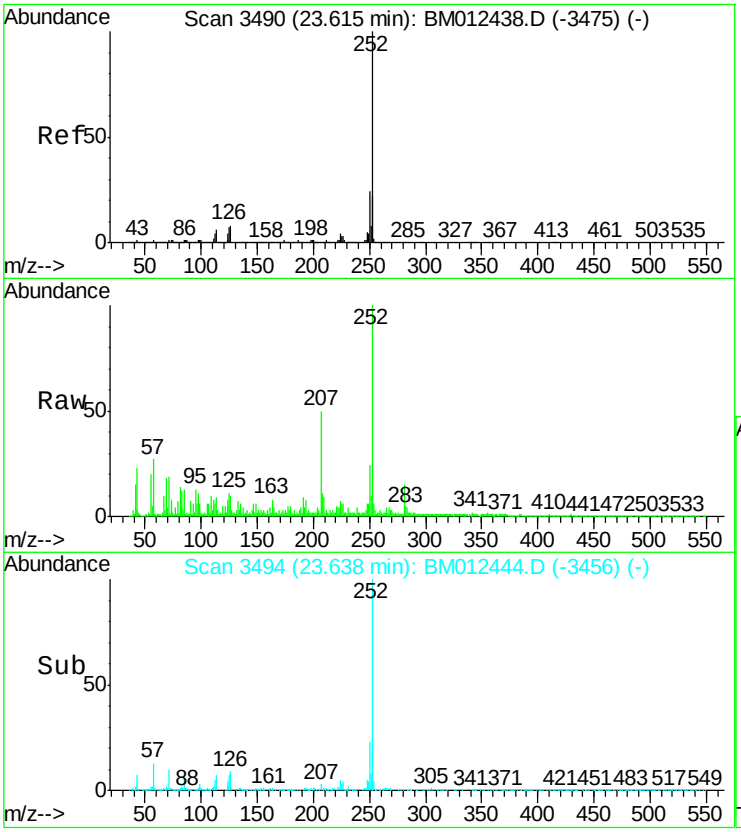


#86
Benzo(k)fluoranthene
Concen: 12.39 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:252 Resp: 1821099

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	10.1	3.4	5.2#



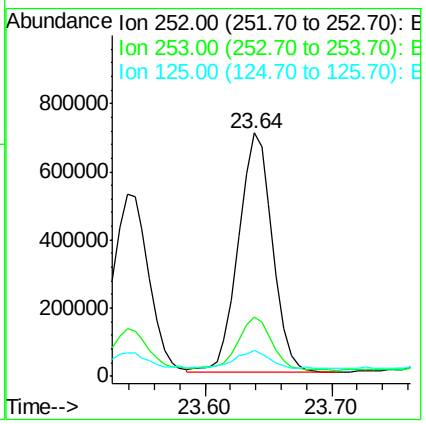


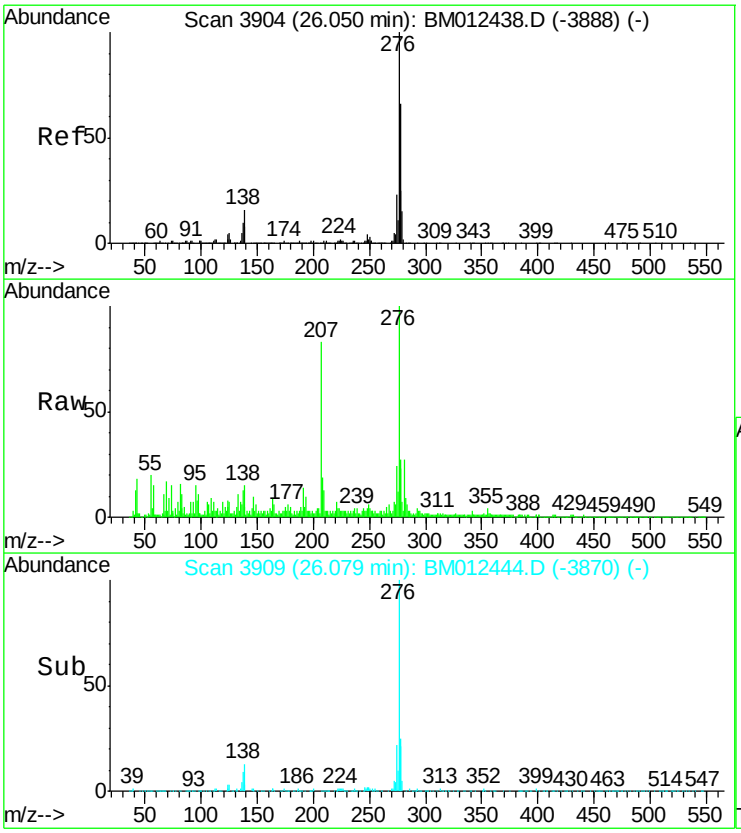
#88
Benzo(a)pyrene
Concen: 8.79 ng/ul
RT: 23.64 min Scan# 3494
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 1307880

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	10.6	4.0	6.0#

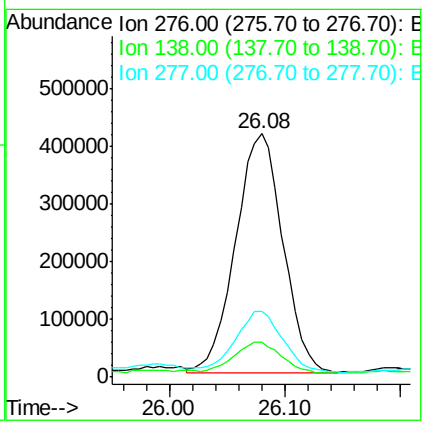


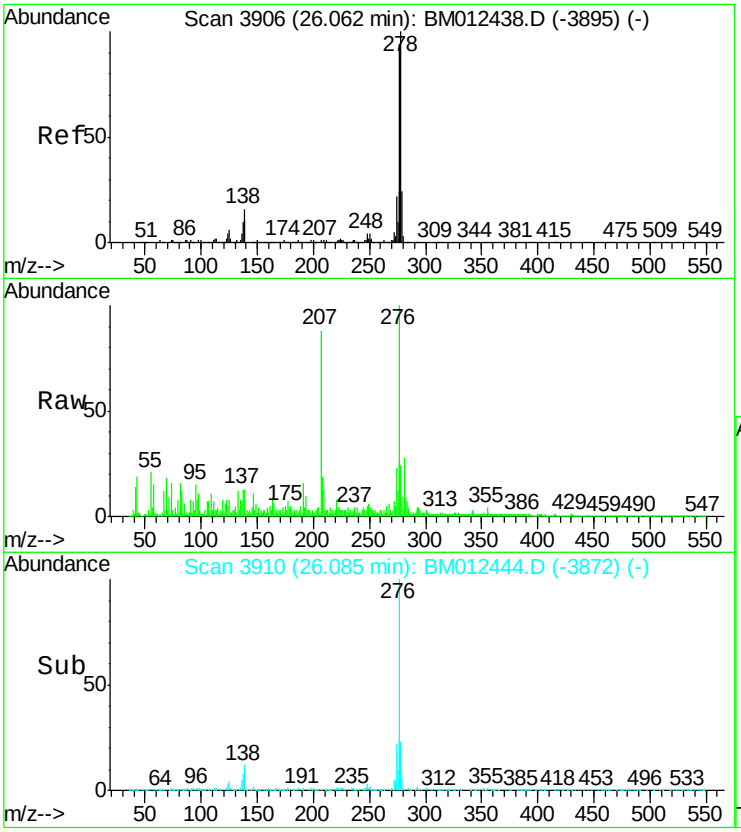


#89
Indeno(1,2,3-cd)pyrene
Concen: 6.73 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.03 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:276 Resp: 1178624

Ion	Ratio	Lower	Upper
276	100		
138	14.5	9.3	13.9#
277	26.9	19.9	29.9



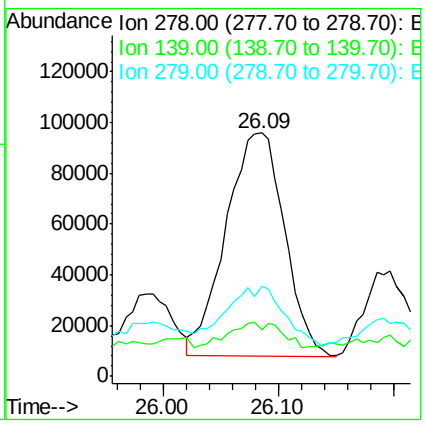


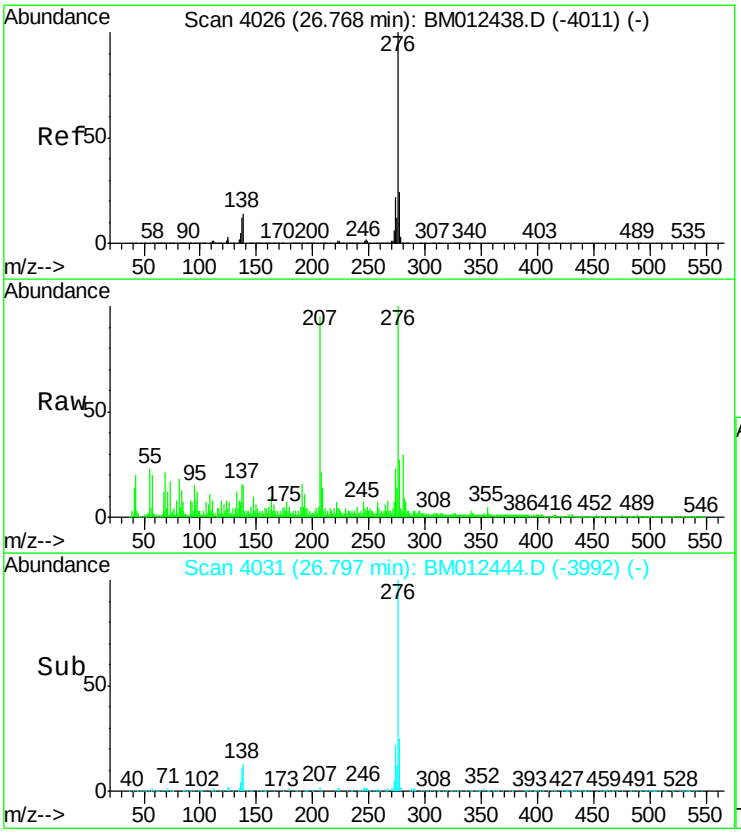
#90
Dibenzo(a,h)anthracene
Concen: 2.08 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 308592

Ion	Ratio	Lower	Upper
278	100		
139	19.1	5.8	8.8#
279	37.1	18.6	27.8#





#91
Benzo(g,h,i)perylene
Concen: 7.98 ng/ul
RT: 26.80 min Scan# 4031
Delta R.T. 0.03 min
Lab File: BM012444.D
Acq: 25 Oct 2017 14:16

Tgt Ion:276 Resp: 1132612

Ion	Ratio	Lower	Upper
276	100		
138	15.0	8.5	12.7#
277	27.2	18.6	28.0