Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013496.D
Acq On : 18 Dec 2017 13:37
Operator : SJ/JU
Sample : I6778-13ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

Quant Time: Dec 18 14:38:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	238549	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	562776	20.00	ng/ul	0.04
35) Acenaphthene-d10	14.33	164	697169	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.13	188	1274002	20.00	ng/ul	0.06
75) Chrysene-d12	21.33	240	11028	20.00	ng/ul	0.07
83) Perylene-d12	23.50	264	828051	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	24560	5.10	ng/uL	0.00
5) Phenol-d5	6.85	99	674238	32.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	394272	33.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	552552	34.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	583521	33.09	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	312194	69.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	324578	67.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	600637	61.02	ng/ul	0.02
29) 4-Chloroaniline-d4	10.65	131	170151	18.81	ng/ul	0.05
43) Dimethylphthalate-d6	13.75	166	1847242	29.78	ng/ul	0.02
46) Acenaphthylene-d8	14.02	160	2318495	30.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	311272	28.88	ng/ul	0.02
57) Fluorene-d10	15.33	176	1585657	29.72	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.49	200	4771	0.60	ng/ul	0.04
70) Anthracene-d10	17.23	188	2422330	37.96	ng/ul	0.06
76) Pyrene-d10	19.49	212	2393906	4357.15	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.36	264	1671313	39.62	ng/ul	0.02
Target Compounds						Qvalue
4) Benzaldehyde	6.82	77	26923	2.636	ng/ul#	1
6) Phenol	6.88	94	24232	1.188	ng/ul#	92
8) Bis(2-Chloroethyl)ether	7.11	93	44571	2.857	ng/ul#	34
17) Hexachloroethane	8.77	117	113092	16.425	ng/ul#	1
24) 2,4-Dimethylphenol	9.65	107	62962	5.830	ng/ul	96
30) 4-Chloroaniline	10.59	127	30623453	3496.504	ng/ul#	12
40) 1,1'-Biphenyl	13.16	154	11452969	194.378	ng/ul	99
42) 2-Nitroaniline	13.35	65	50970	3.763	ng/ul#	31
44) Dimethylphthalate	13.80	163	275888	4.649	ng/ul	98
47) Acenaphthylene	14.05	152	5500811	77.642	ng/ul#	95
49) Acenaphthene	14.33	153	707804	14.666	ng/ul#	1
53) Dibenzofuran	14.65	168	879275	12.341	ng/ul#	54
54) 2,4-Dinitrotoluene	14.69	165	115105	6.538	ng/ul#	40
58) Fluorene	15.33	166	634808	10.770	ng/ul#	36
60) 4-Nitroaniline	15.42	138	649253	50.872	ng/ul#	14
64) N-Nitrosodiphenylamine	15.64	169	156587	4.172	ng/ul#	1
68) Pentachlorophenol	16.79	266	63625	6.661	ng/ul	92
69) Phenanthrene	17.25	178	3009932	41.586	ng/ul#	82
71) Anthracene	17.25	178	3009932	40.684	ng/ul#	80
72) Carbazole	17.51	167	13387200	210.373	ng/ul	98
74) Fluoranthene	19.25	202	145461	1.640	ng/ul#	69
77) Pyrene	19.59	202	207423	309.595	ng/ul#	55
78) Butylbenzylphthalate	20.48	149	2066	7.892	ng/ul#	1

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013496.D
Acq On : 18 Dec 2017 13:37
Operator : SJ/JU
Sample : I6778-13ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

Quant Time: Dec 18 14:38:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) 3,3'-Dichlorobenzidine	21.23	252	1921	8.286 ng/ul#	17
80) Benzo(a)anthracene	21.32	228	12590161	17993.660 ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.27	149	75902	192.365 ng/ul#	92
82) Chrysene	21.32	228	12581378	19381.485 ng/ul#	89
85) Benzo(b)fluoranthene	22.84	252	9528668	170.703 ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	9528668	181.393 ng/ul#	96
88) Benzo(a)pyrene	23.42	252	6669939	133.018 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.74	276	3061522	61.534 ng/ul#	97
90) Dibenzo(a,h)anthracene	25.74	278	848271	20.023 ng/ul#	90
91) Benzo(g,h,i)perylene	26.43	276	2407601	61.348 ng/ul#	95

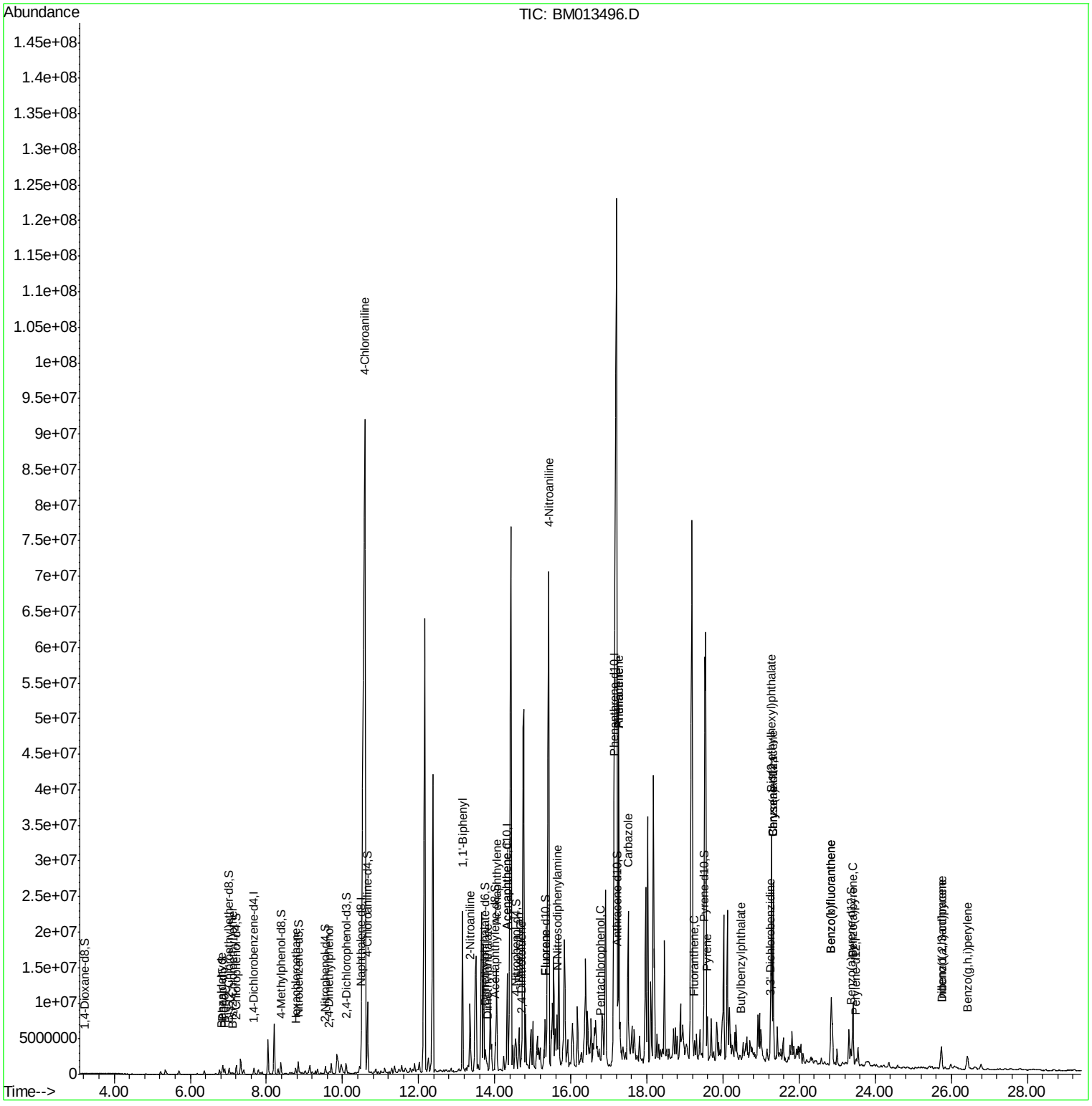
(#) = qualifier out of range (m) = manual integration (+) = signals summed

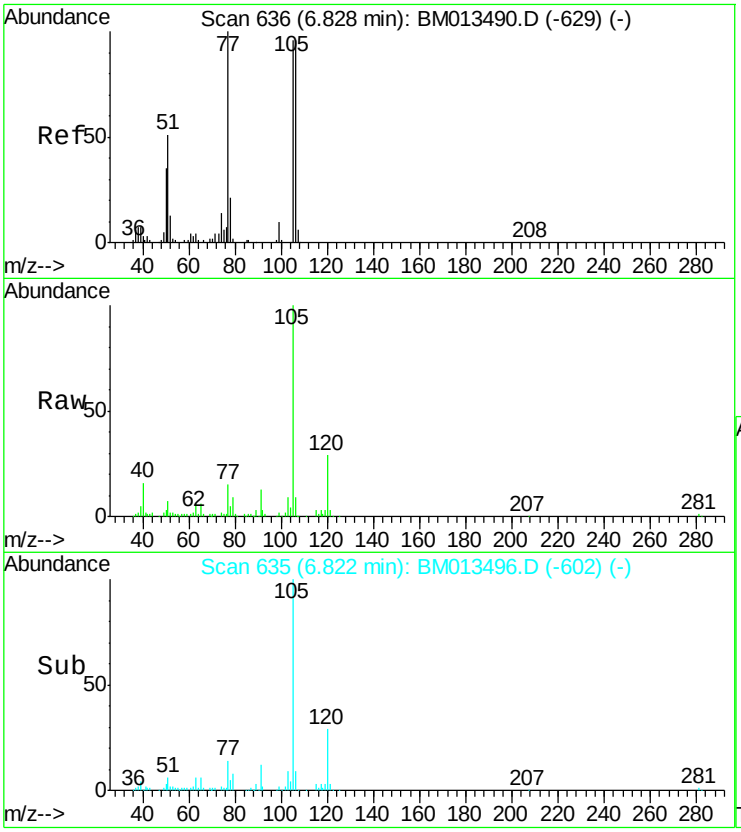
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013496.D
Acq On : 18 Dec 2017 13:37
Operator : SJ/JU
Sample : I6778-13ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Quant Time: Dec 18 14:38:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration



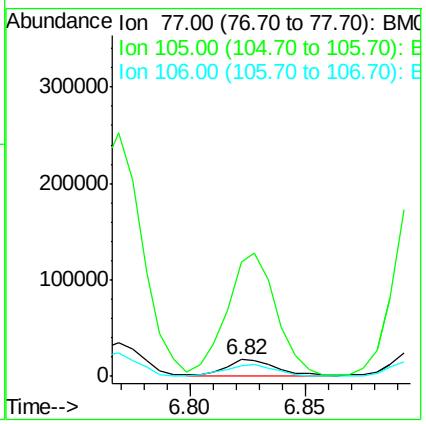


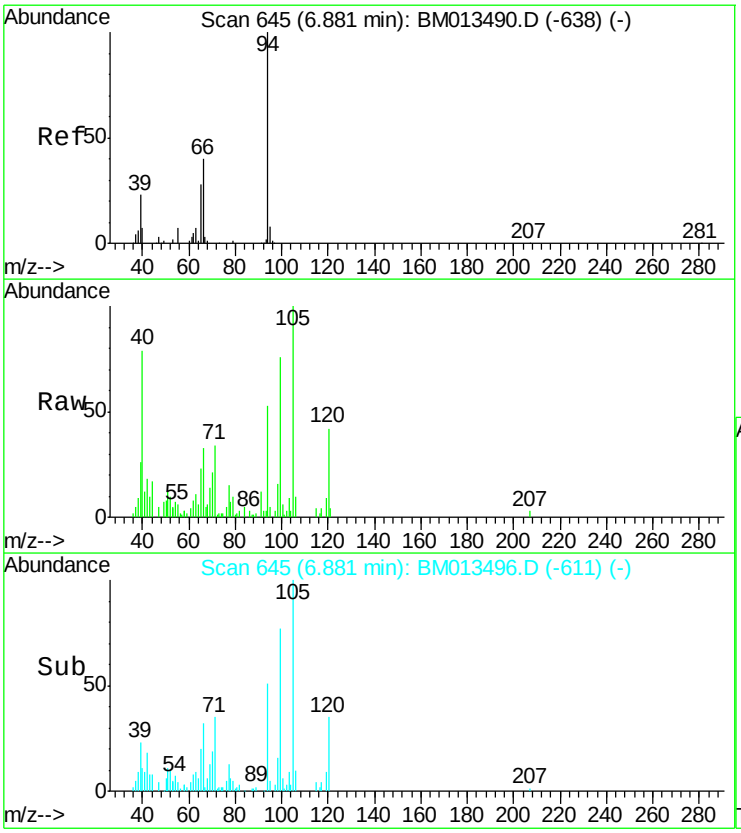
#4
Benzaldehyde
Concen: 2.636 ng/ul
RT: 6.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion: 77 Resp: 26923

Ion	Ratio	Lower	Upper
77	100		
105	689.3	66.1	99.1#
106	62.9	67.8	101.6#

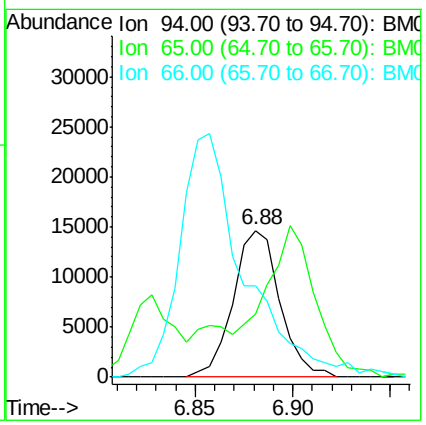


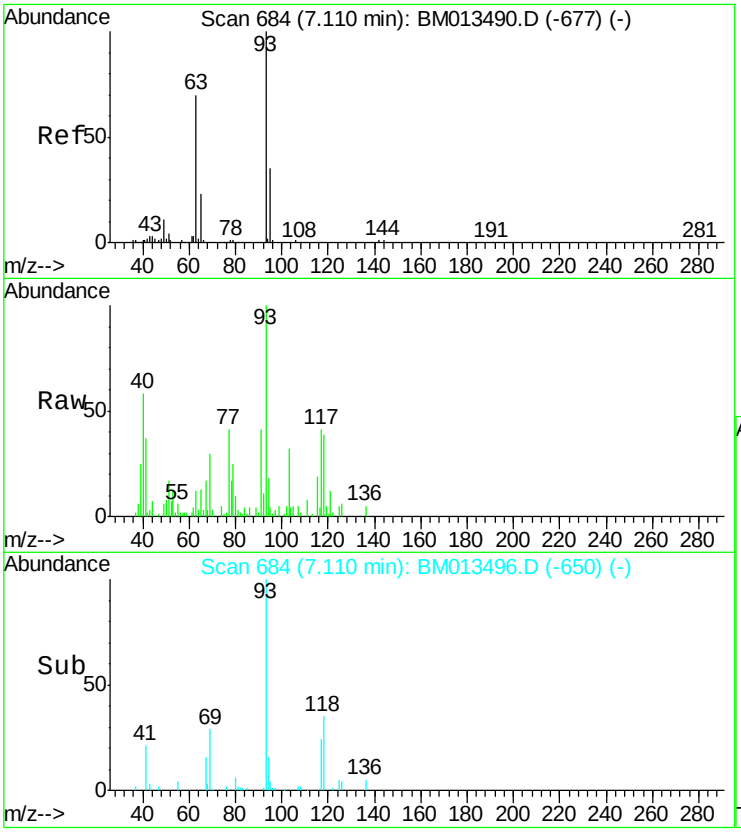


#6
Phenol
Concen: 1.188 ng/ul
RT: 6.88 min Scan# 645
Delta R.T. 0.00 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion: 94 Resp: 24232

Ion	Ratio	Lower	Upper
94	100		
65	43.1	28.2	42.4#
66	62.4	47.2	70.8



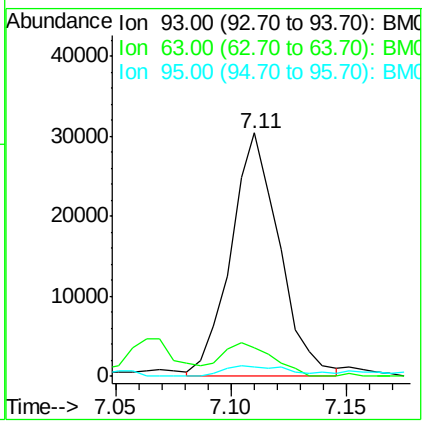


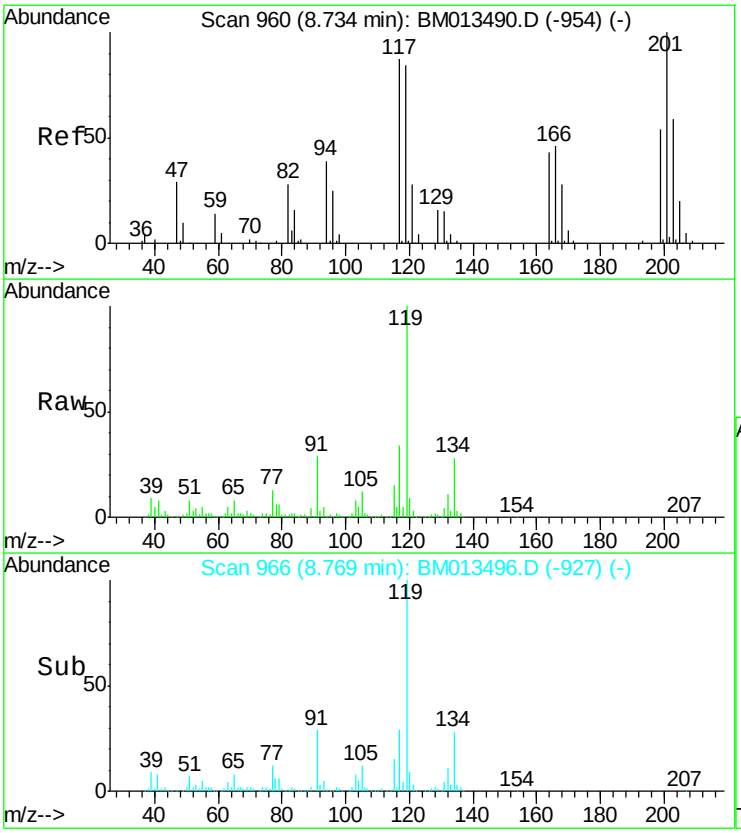
#8
Bis(2-Chloroethyl)ether
Concen: 2.857 ng/ul
RT: 7.11 min Scan# 684
Delta R.T. 0.00 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion: 93 Resp: 44571

Ion	Ratio	Lower	Upper
93	100		
63	12.0	57.3	85.9#
95	3.7	26.6	39.8#

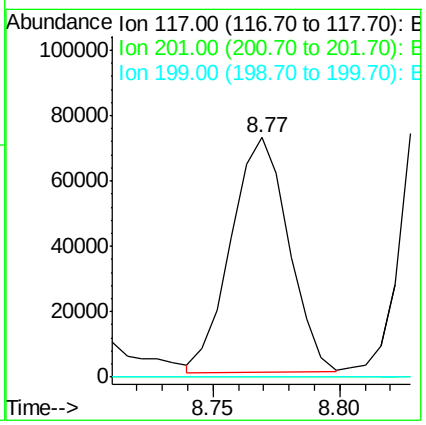


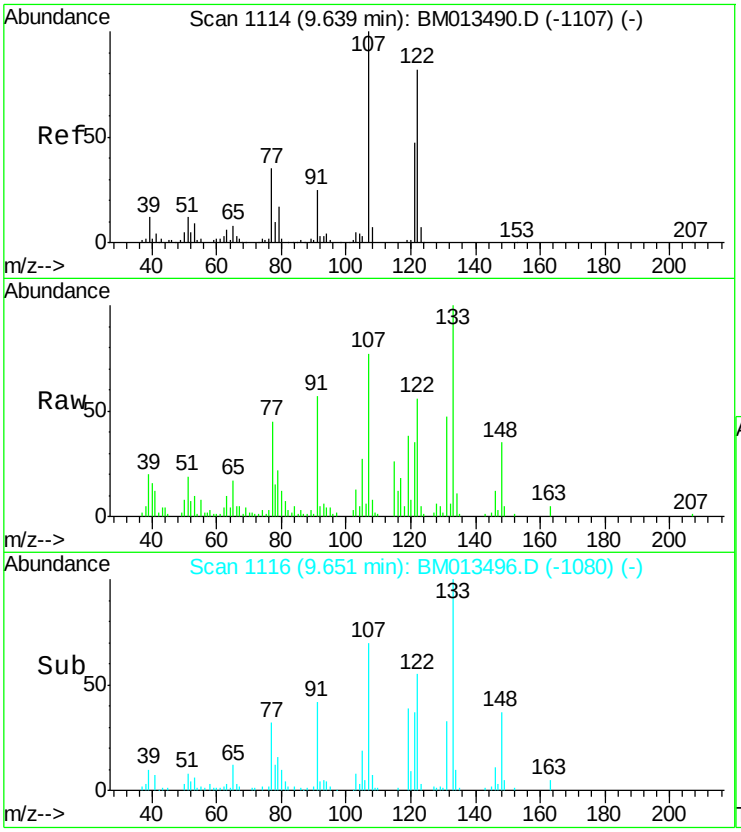


#17
Hexachloroethane
Concen: 16.425 ng/ul
RT: 8.77 min Scan# 966
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:117 Resp: 113092

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



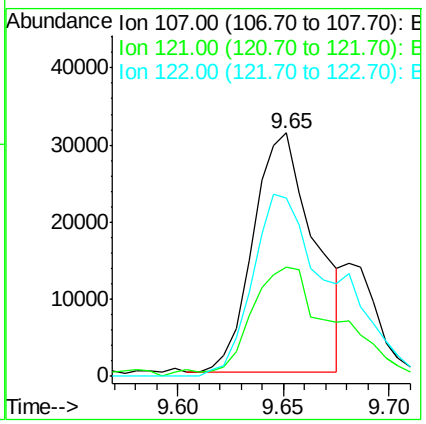


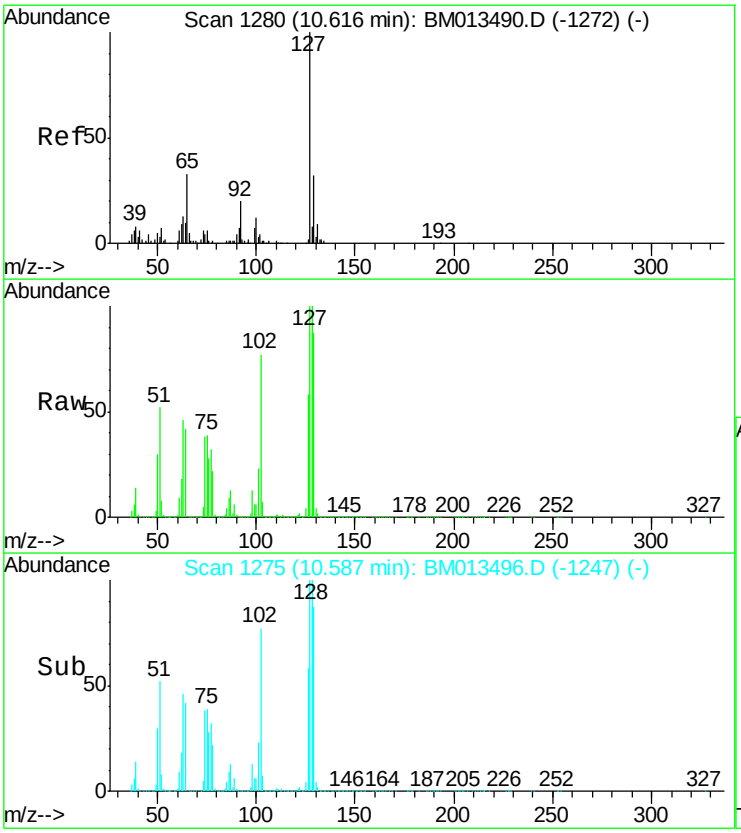
#24
2,4-Dimethylphenol
Concen: 5.830 ng/ul
RT: 9.65 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:107 Resp: 62962

Ion	Ratio	Lower	Upper
107	100		
121	45.1	31.9	47.9
122	73.1	57.8	86.6

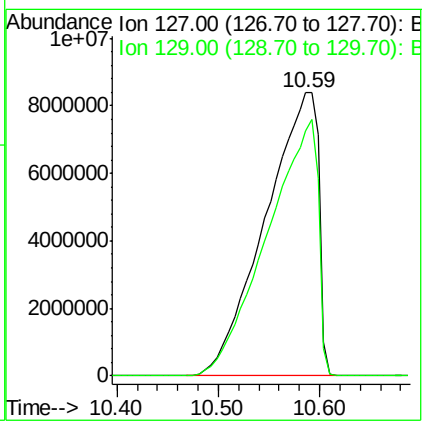


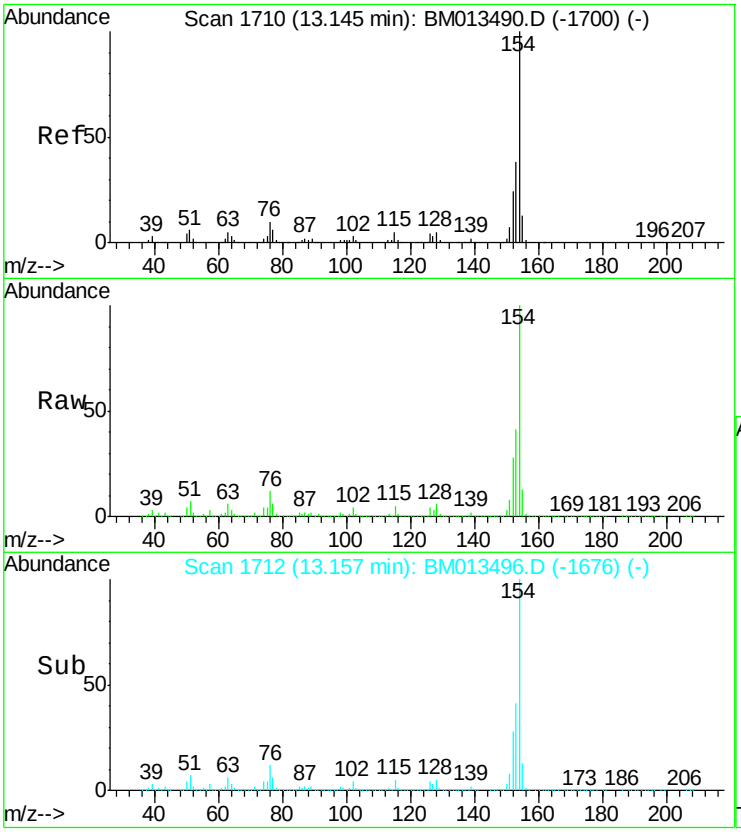


#30
4-Chloroaniline
Concen: 3496.504 ng/ul
RT: 10.59 min Scan# 1275
Delta R.T. -0.04 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:127 Resp:30623453

Ion	Ratio	Lower	Upper
127	100		
129	86.6	28.4	42.6#



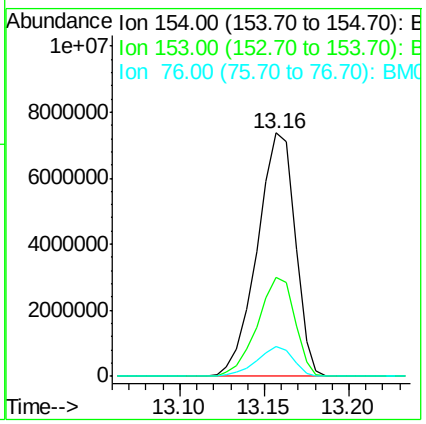


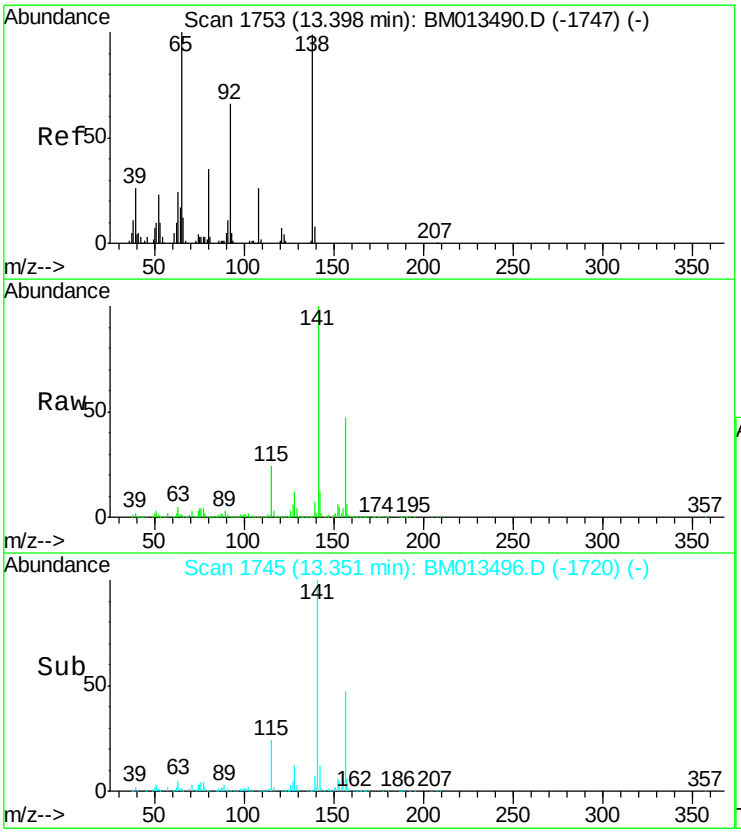
#40
1,1'-Biphenyl
Concen: 194.378 ng/ul
RT: 13.16 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:154 Resp:11452969

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.6	48.8
76	12.0	8.5	12.7

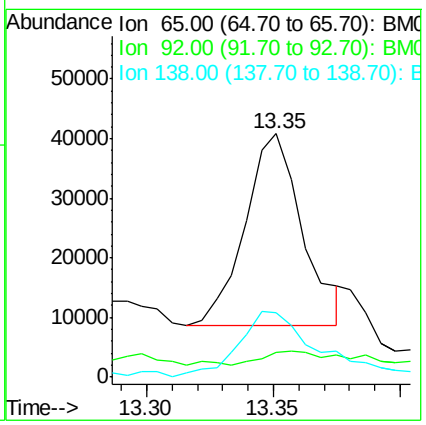


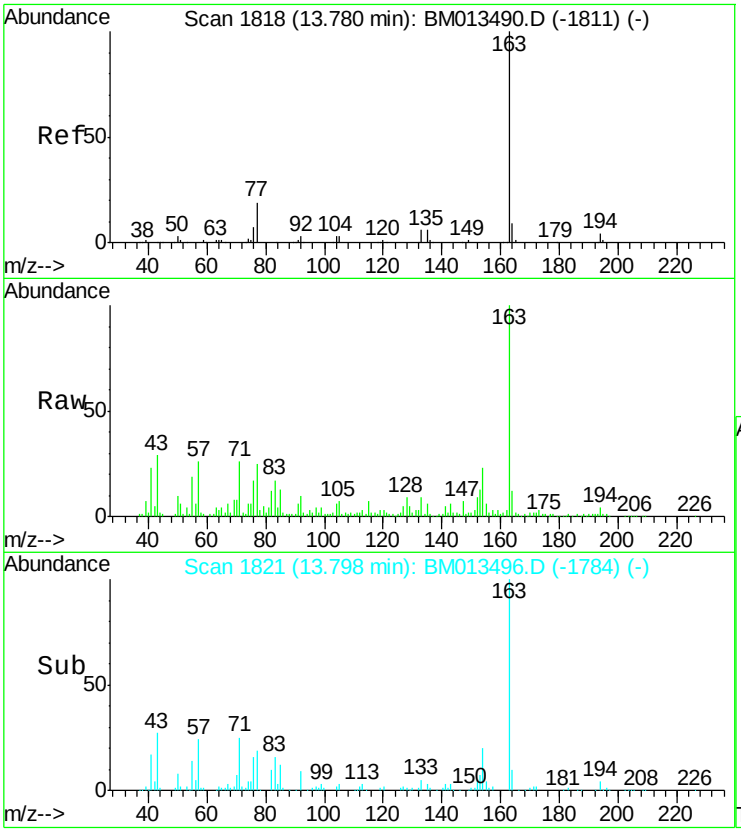


#42
2-Nitroaniline
Concen: 3.763 ng/ul
RT: 13.35 min Scan# 1745
Delta R.T. -0.05 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion: 65 Resp: 50970

Ion	Ratio	Lower	Upper
65	100		
92	10.1	51.8	77.6#
138	26.4	74.2	111.4#



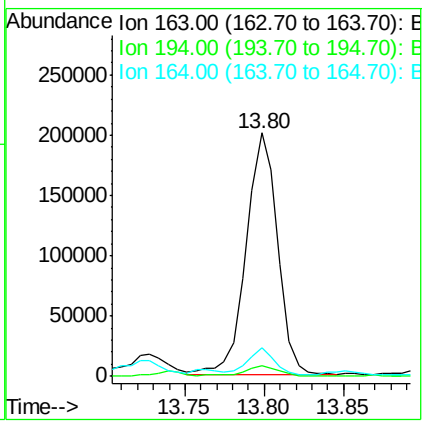


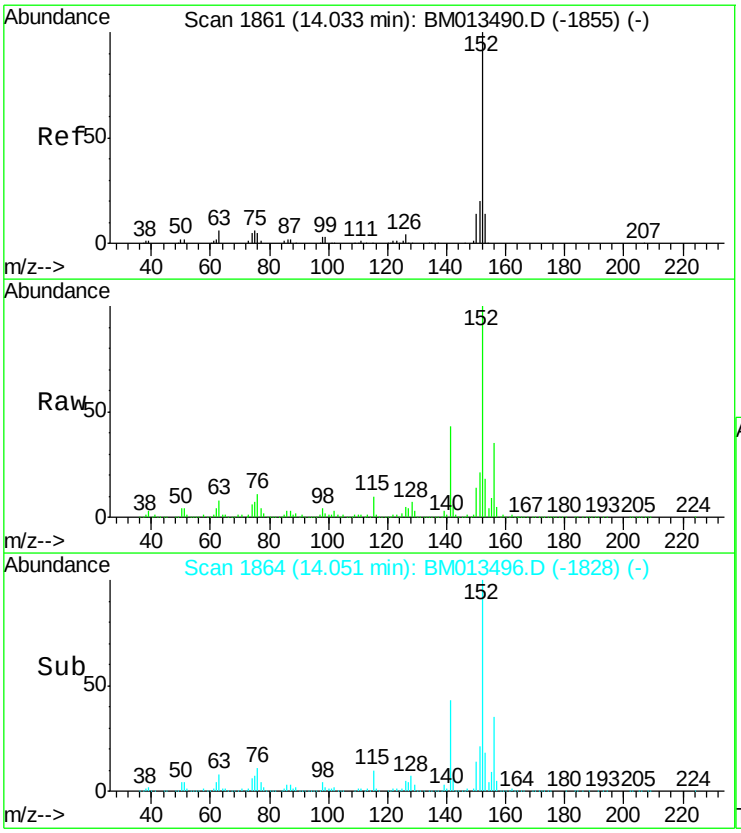
#44
Dimethylphthalate
Concen: 4.649 ng/ul
RT: 13.80 min Scan# 1821
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:163 Resp: 275888

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	11.5	8.2	12.4

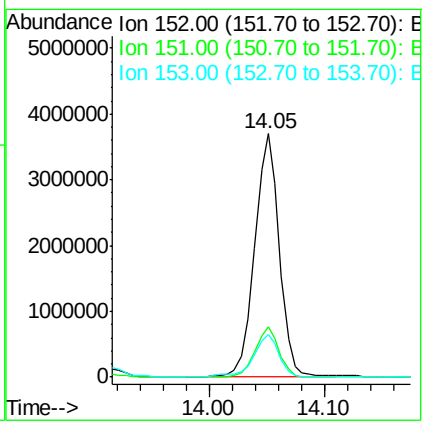


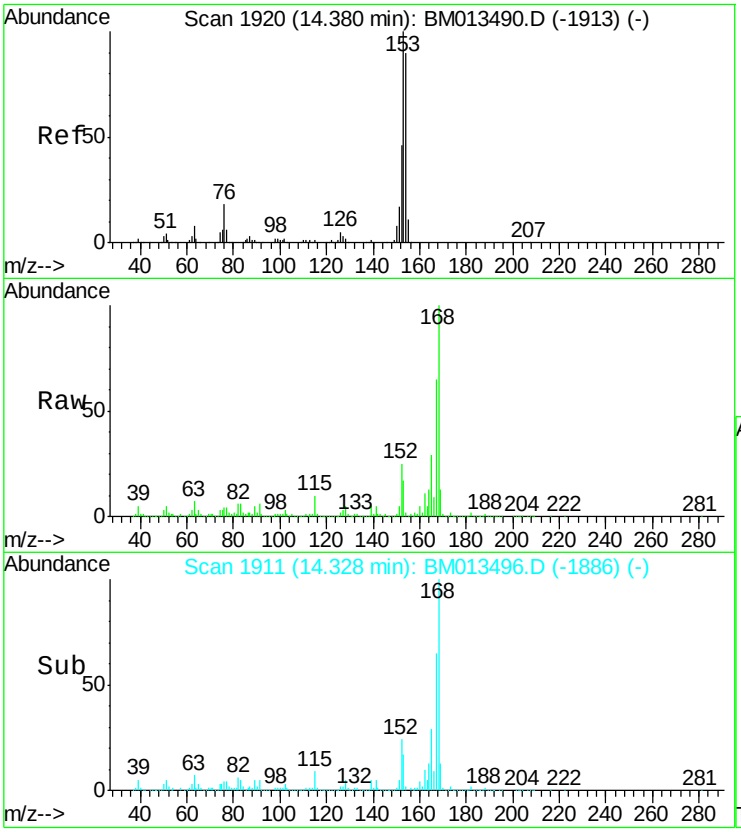


#47
Acenaphthylene
Concen: 77.642 ng/ul
RT: 14.05 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:152 Resp: 5500811

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	17.7	10.2	15.4#



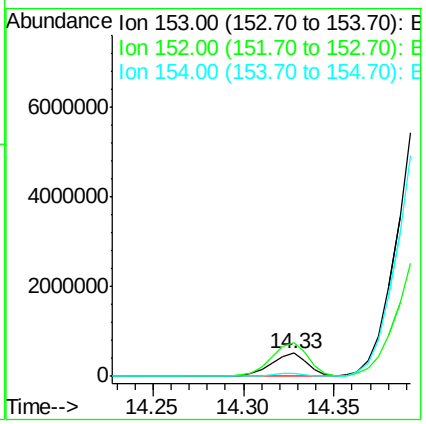


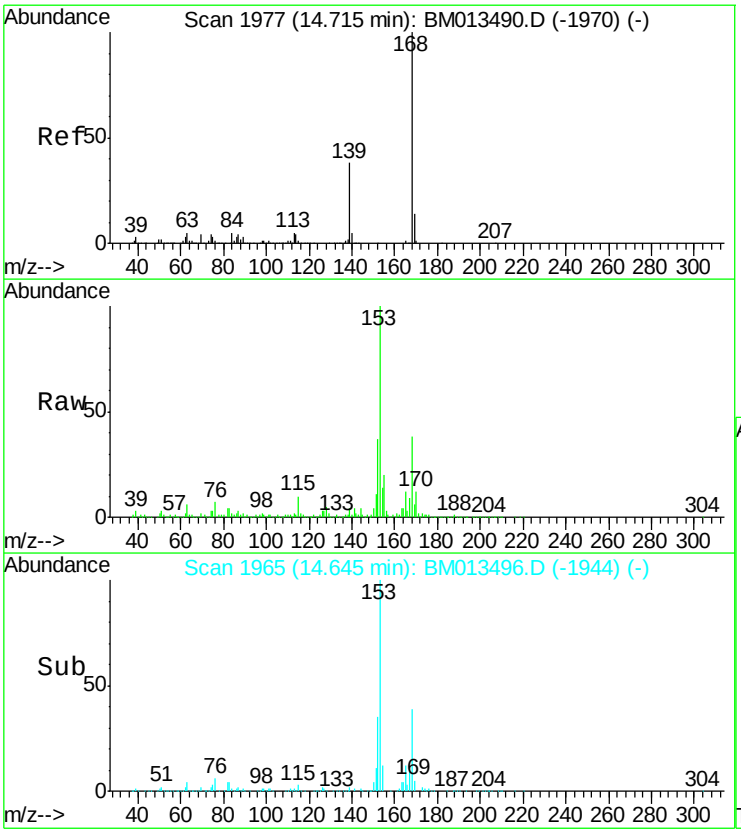
#49
Acenaphthene
Concen: 14.666 ng/ul
RT: 14.33 min Scan# 1911
Delta R.T. -0.05 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:153 Resp: 707804

Ion	Ratio	Lower	Upper
153	100		
152	147.2	37.6	56.4#
154	12.2	70.4	105.6#

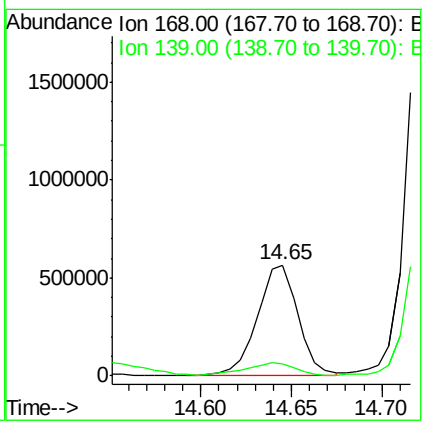


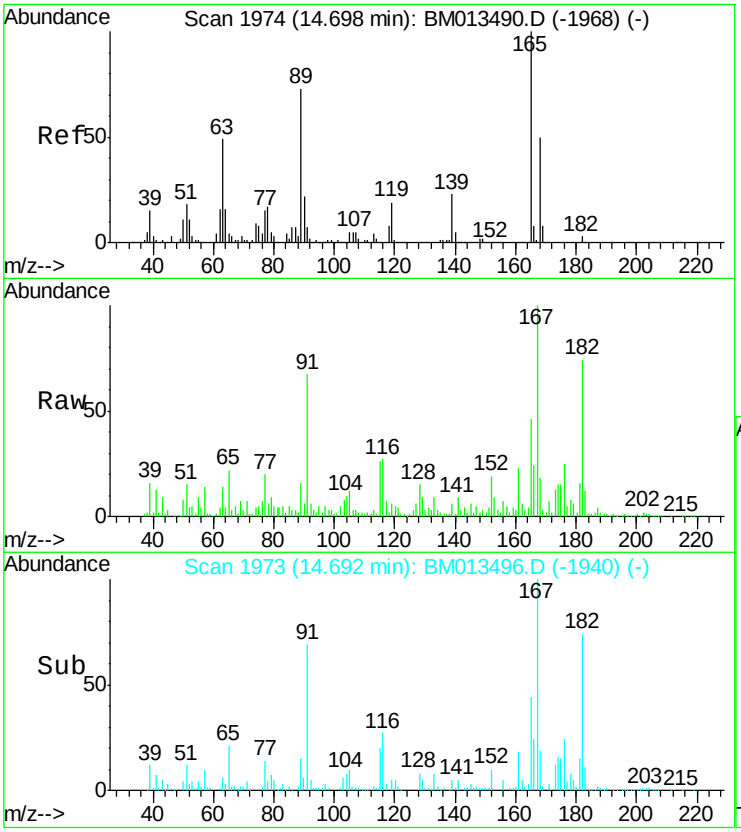


#53
Dibenzofuran
Concen: 12.341 ng/ul
RT: 14.65 min Scan# 1965
Delta R.T. -0.08 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:168 Resp: 879275

Ion	Ratio	Lower	Upper
168	100		
139	10.7	30.8	46.2#



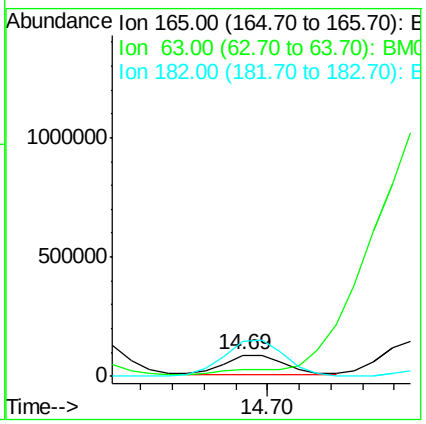


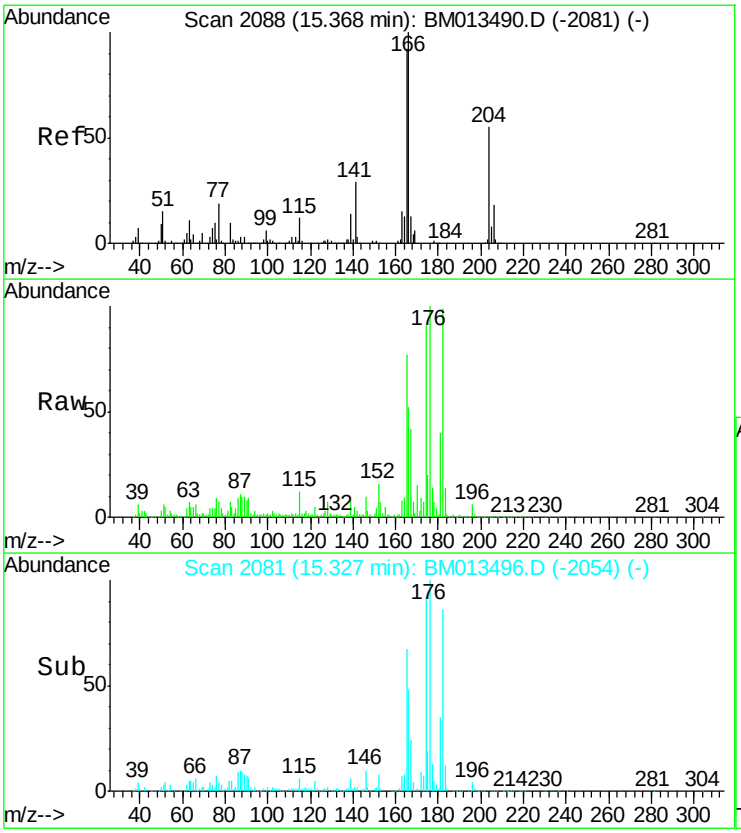
#54
2,4-Dinitrotoluene
Concen: 6.538 ng/ul
RT: 14.69 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:165 Resp: 115105

Ion	Ratio	Lower	Upper
165	100		
63	30.5	45.8	68.8#
182	162.2	2.6	4.0#

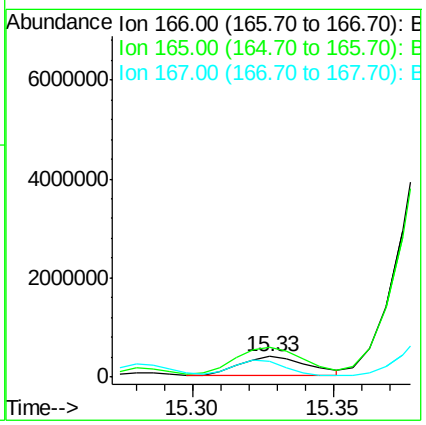


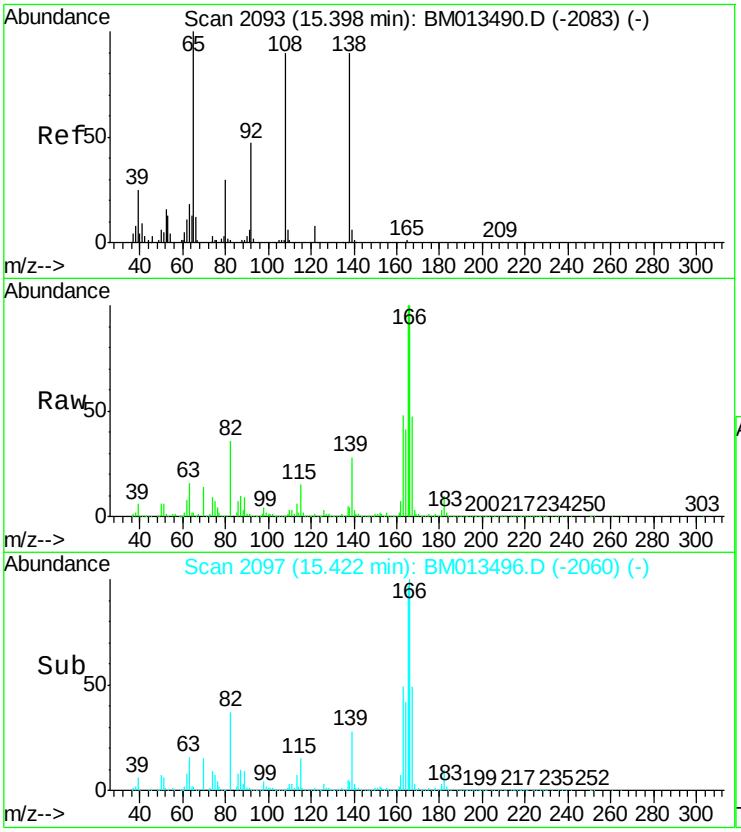


#58
Fluorene
Concen: 10.770 ng/ul
RT: 15.33 min Scan# 2081
Delta R.T. -0.04 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:166 Resp: 634808

Ion	Ratio	Lower	Upper
166	100		
165	146.3	77.9	116.9#
167	80.9	10.6	16.0#



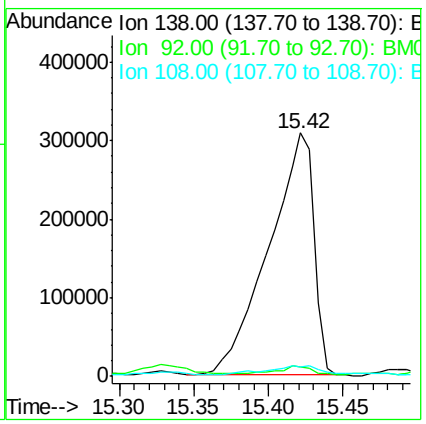


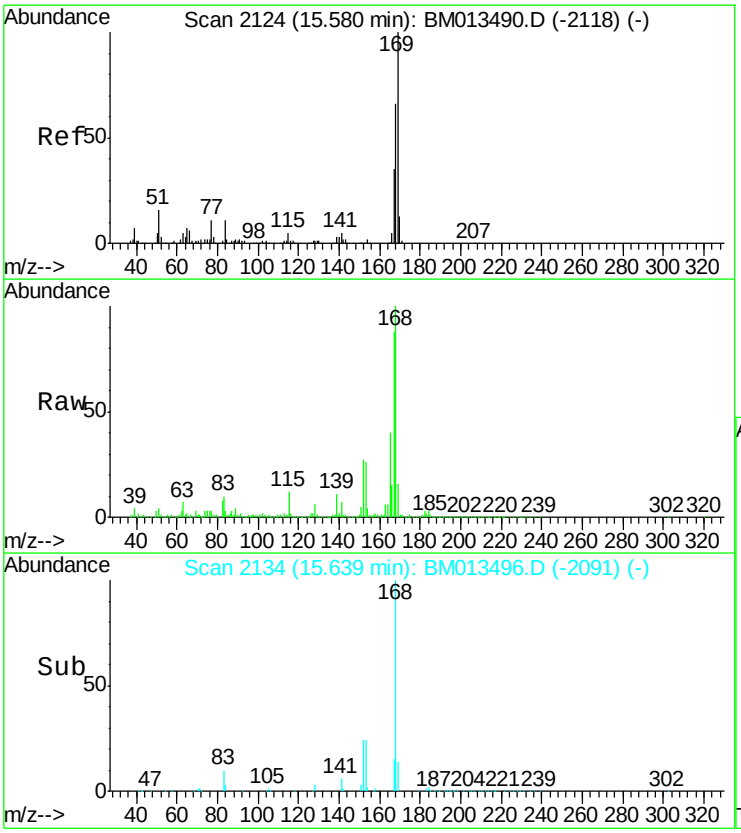
#60
4-Nitroaniline
Concen: 50.872 ng/ul
RT: 15.42 min Scan# 2097
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:138 Resp: 649253

Ion	Ratio	Lower	Upper
138	100		
92	3.7	40.0	60.0#
108	4.1	80.0	120.0#

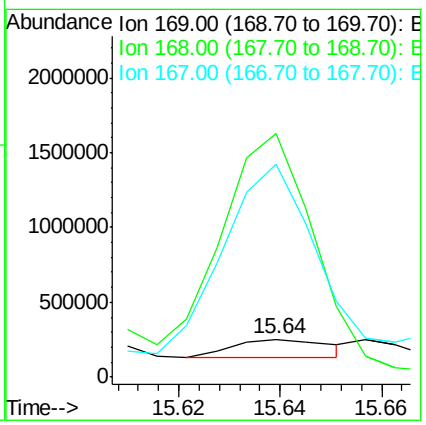


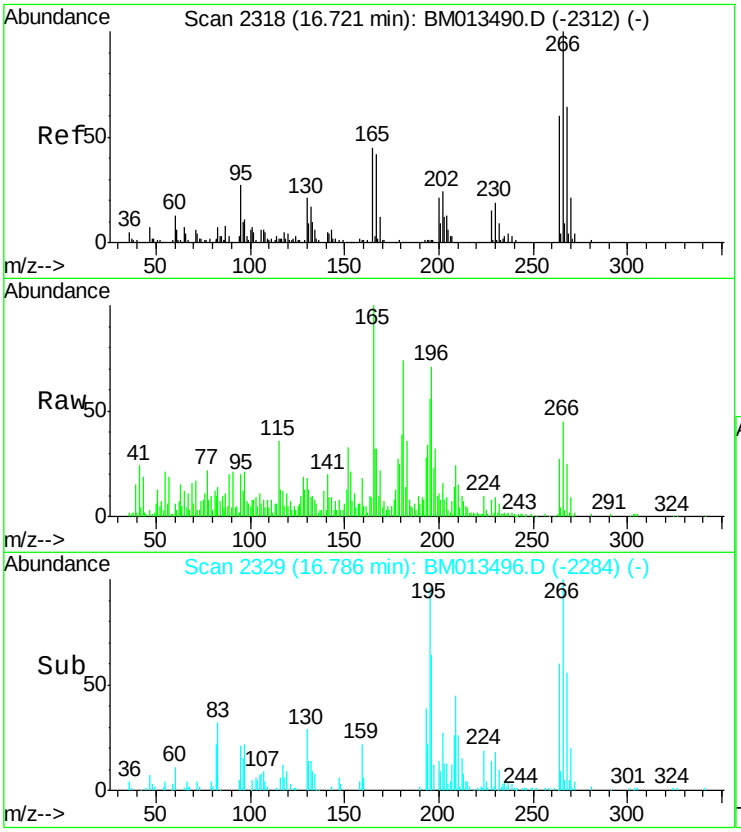


#64
N-Nitrosodiphenylamine
Concen: 4.172 ng/ul
RT: 15.64 min Scan# 2134
Delta R.T. 0.05 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:169 Resp: 156587

Ion	Ratio	Lower	Upper
169	100		
168	640.6	54.0	81.0#
167	560.9	29.1	43.7#



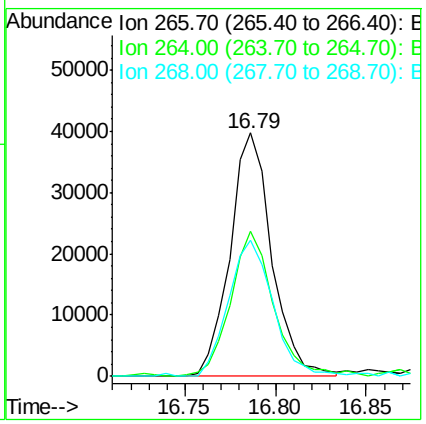


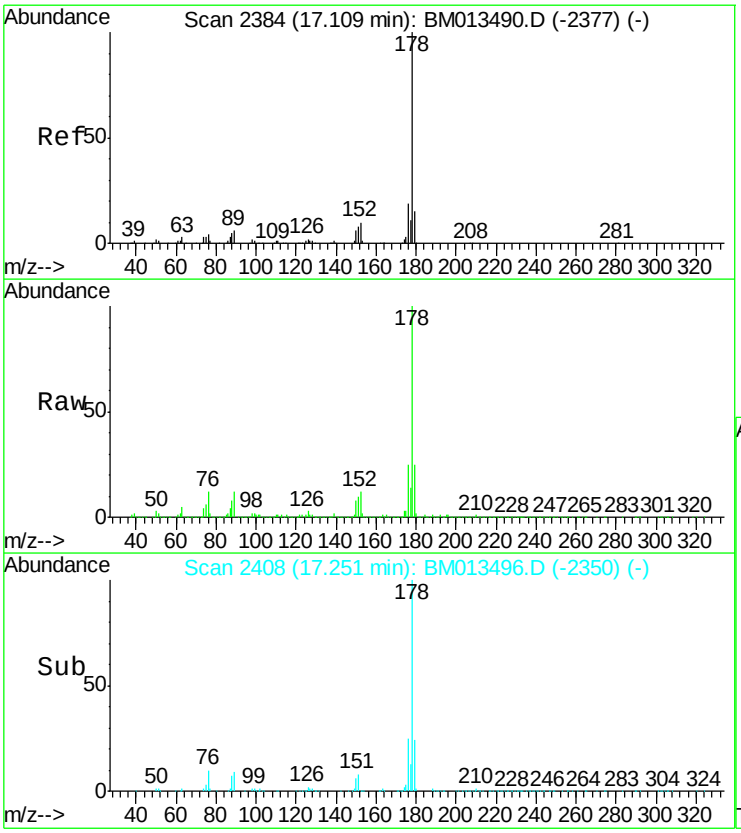
#68
Pentachlorophenol
Concen: 6.661 ng/ul
RT: 16.79 min Scan# 2329
Delta R.T. 0.06 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:266 Resp: 63625

Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.3	73.9
268	55.8	52.6	78.8

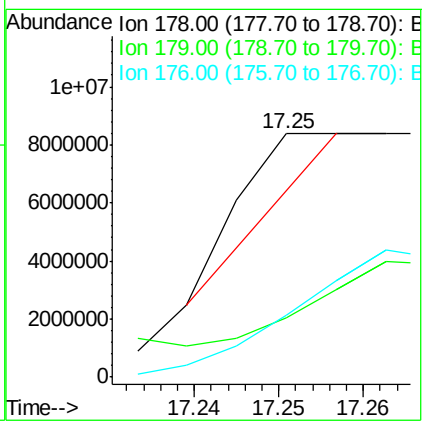


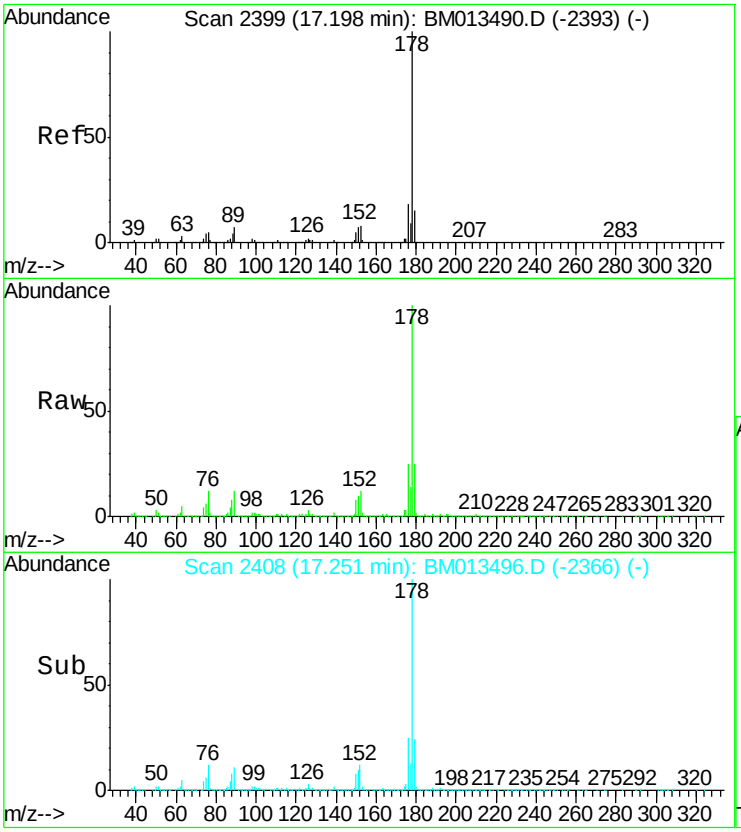


#69
Phenanthrene
Concen: 41.586 ng/ul
RT: 17.25 min Scan# 2408
Delta R.T. 0.14 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:178 Resp: 3009932

Ion	Ratio	Lower	Upper
178	100		
179	24.6	12.6	19.0#
176	25.2	14.9	22.3#



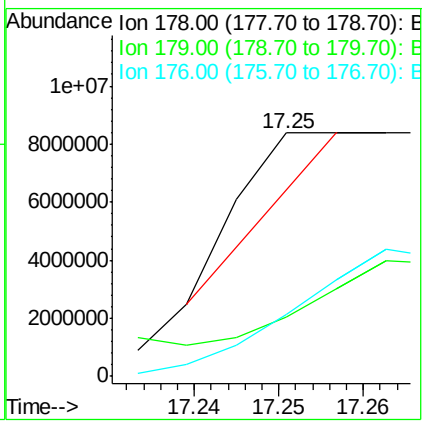


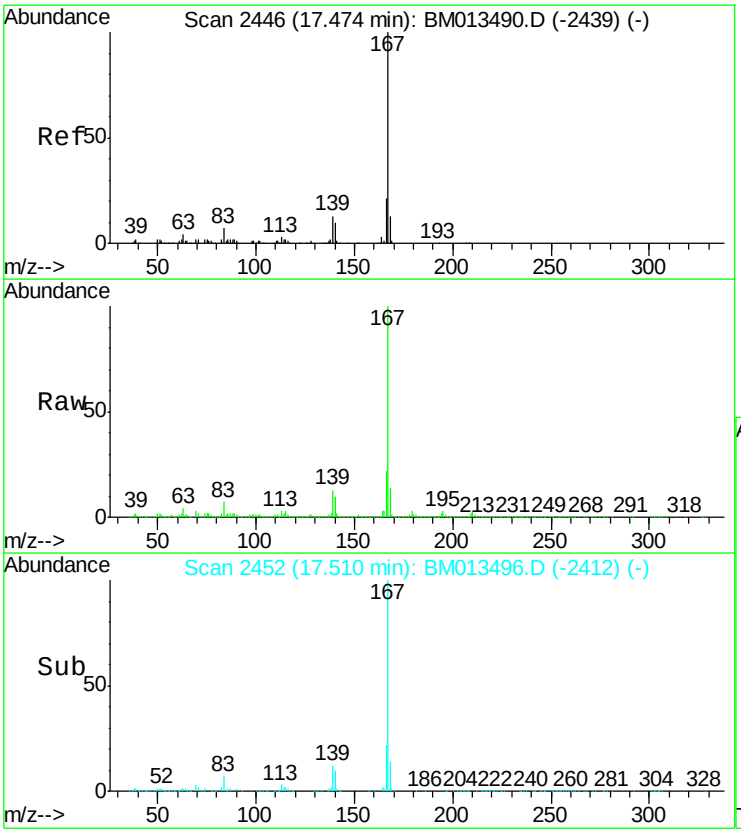
#71
Anthracene
Concen: 40.684 ng/ul
RT: 17.25 min Scan# 2408
Delta R.T. 0.05 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:178 Resp: 3009932

Ion	Ratio	Lower	Upper
178	100		
179	24.6	11.7	17.5#
176	25.2	14.6	21.8#

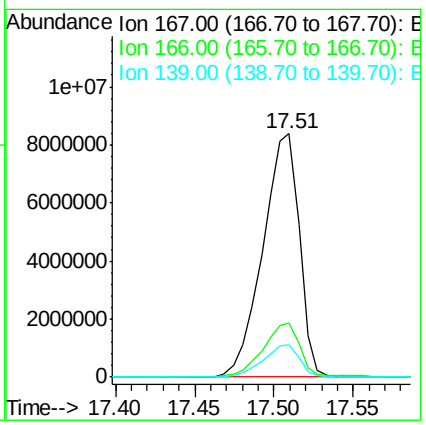


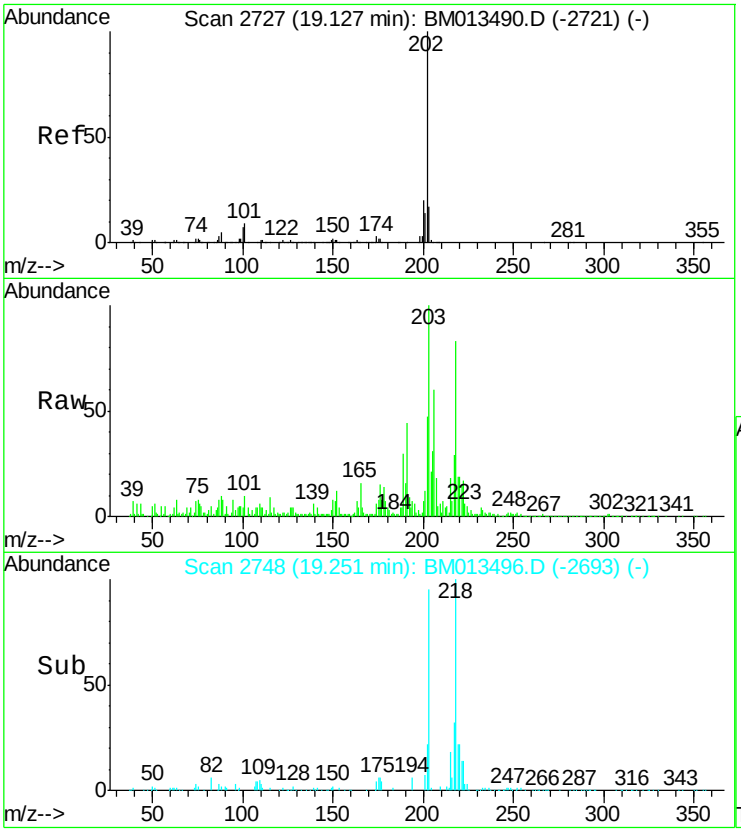


#72
Carbazole
Concen: 210.373 ng/ul
RT: 17.51 min Scan# 2452
Delta R.T. 0.04 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:167 Resp:13387200

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	13.3	10.0	15.0



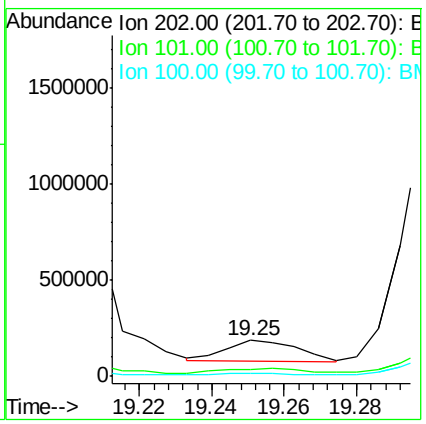


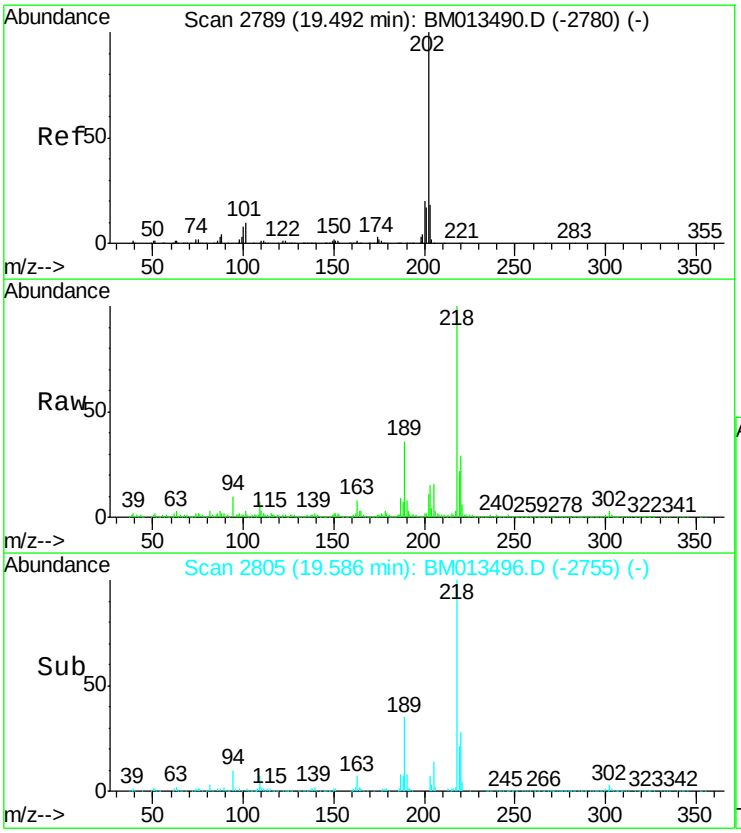
#74
Fluoranthene
Concen: 1.640 ng/ul
RT: 19.25 min Scan# 2748
Delta R.T. 0.12 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:202 Resp: 145461

Ion	Ratio	Lower	Upper
202	100		
101	20.6	4.6	7.0#
100	9.0	3.4	5.2#

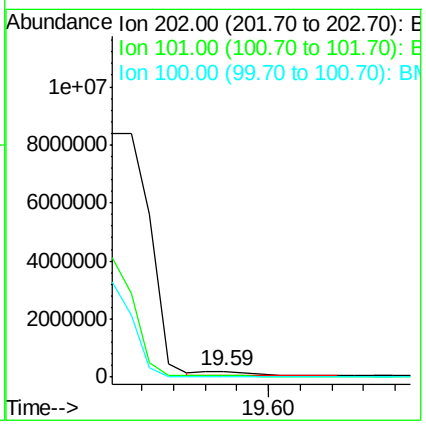


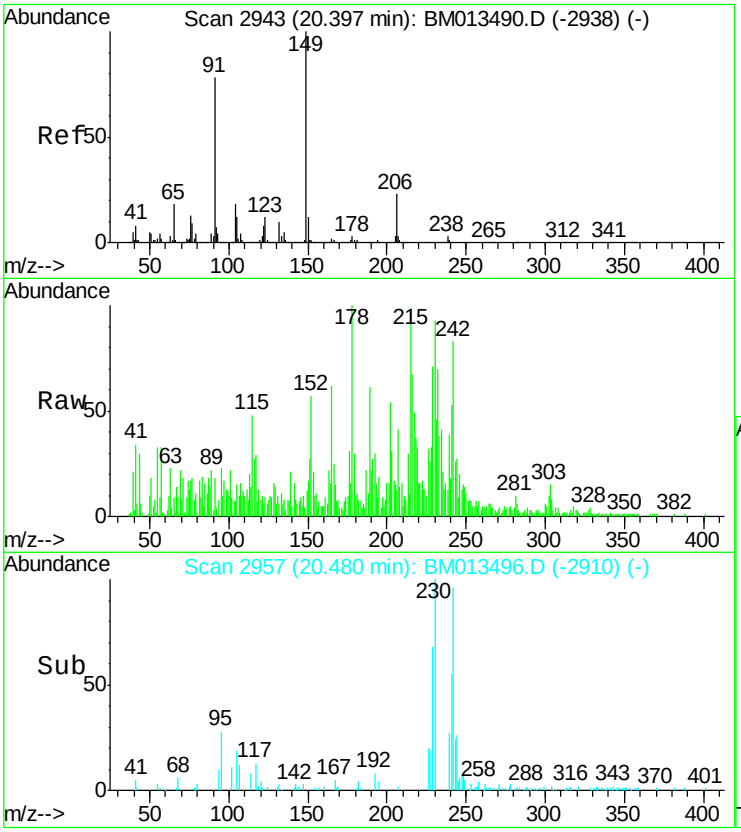


#77
Pyrene
Concen: 309.595 ng/ul
RT: 19.59 min Scan# 2805
Delta R.T. 0.09 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:202 Resp: 207423

Ion	Ratio	Lower	Upper
202	100		
101	32.3	5.1	7.7#
100	10.2	4.9	7.3#



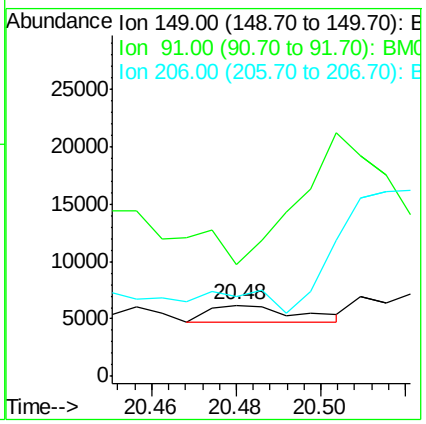


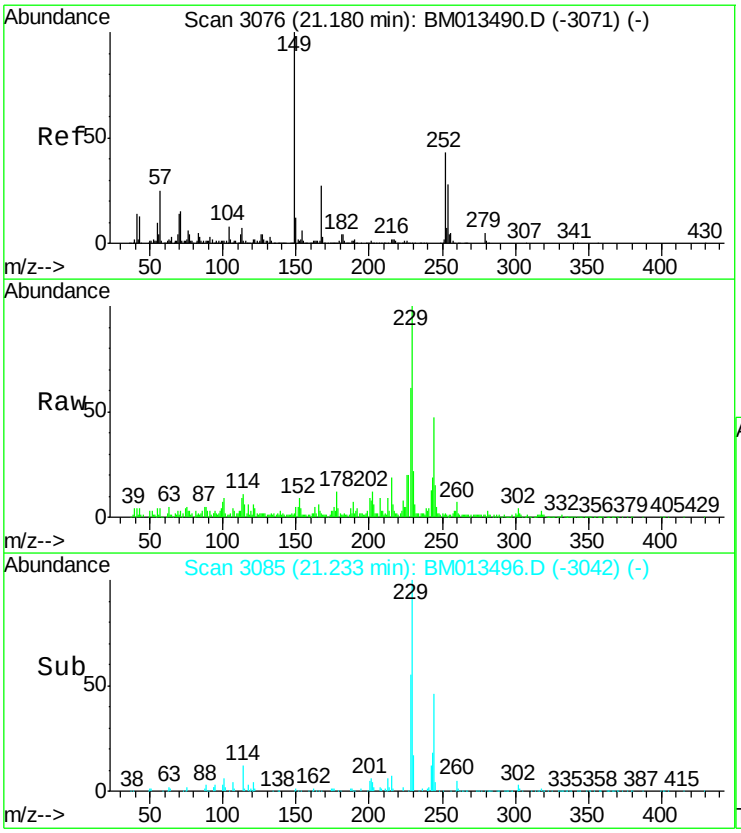
#78
Butylbenzylphthalate
Concen: 7.892 ng/ul
RT: 20.48 min Scan# 2957
Delta R.T. 0.08 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:149 Resp: 2066

Ion	Ratio	Lower	Upper
149	100		
91	156.1	62.7	94.1#
206	111.5	20.8	31.2#

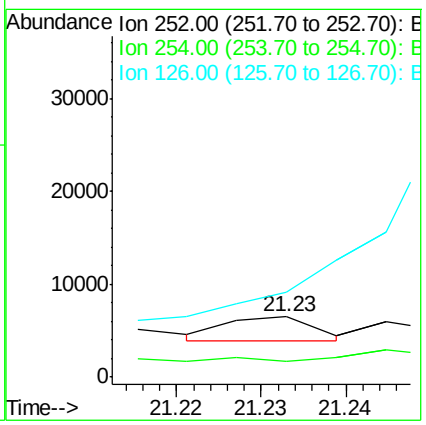


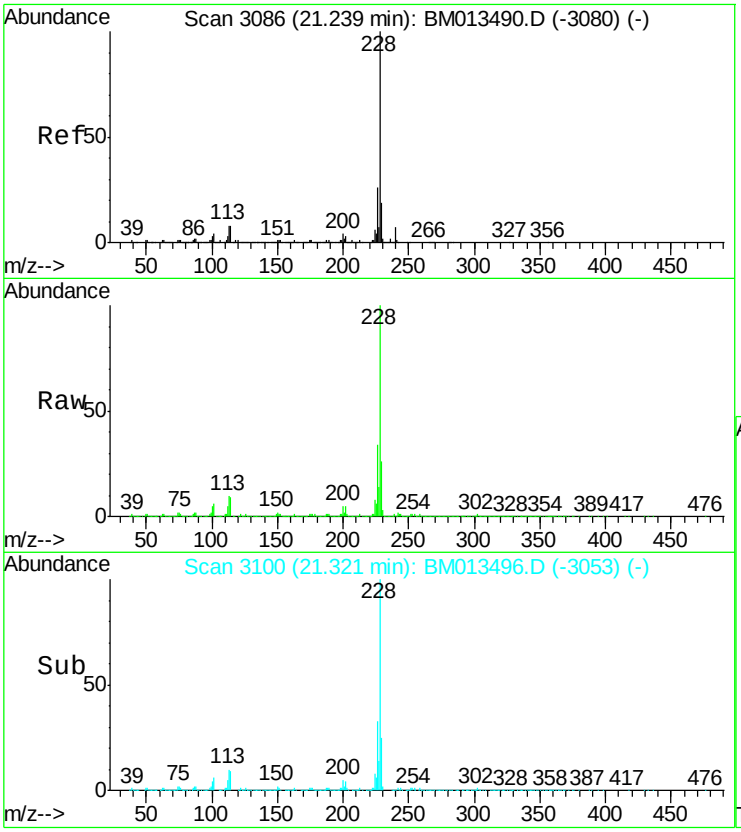


#79
3,3'-Dichlorobenzidine
Concen: 8.286 ng/ul
RT: 21.23 min Scan# 3085
Delta R.T. 0.05 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:252 Resp: 1921

Ion	Ratio	Lower	Upper
252	100		
254	27.0	54.5	81.7#
126	140.9	5.8	8.8#



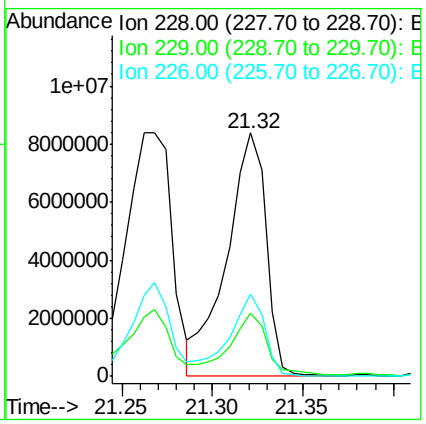


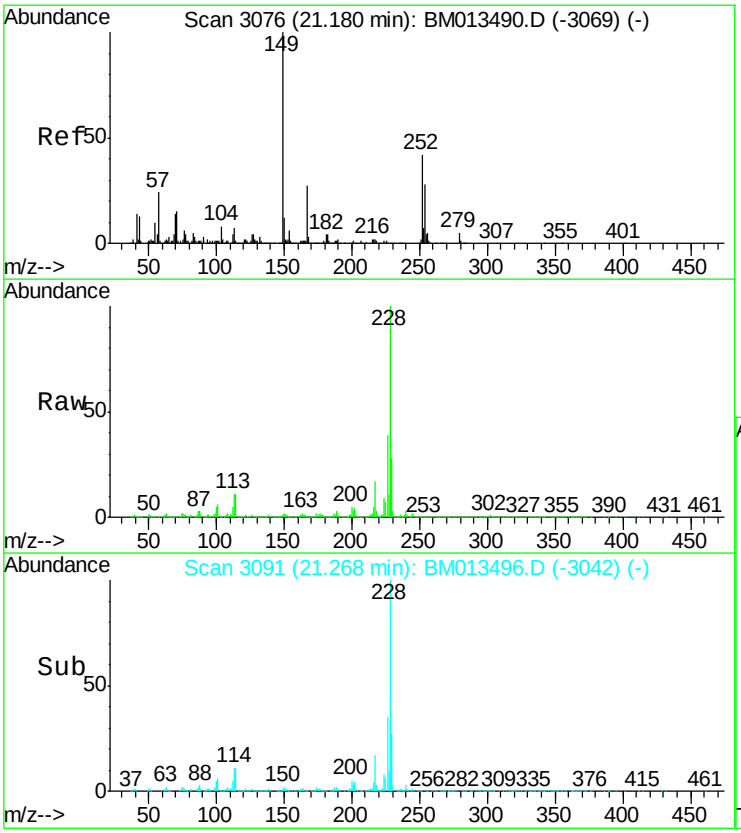
#80
Benzo(a)anthracene
Concen: 17993.660 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.08 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:228 Resp:12590161

Ion	Ratio	Lower	Upper
228	100		
229	25.8	15.4	23.0#
226	33.7	21.4	32.0#

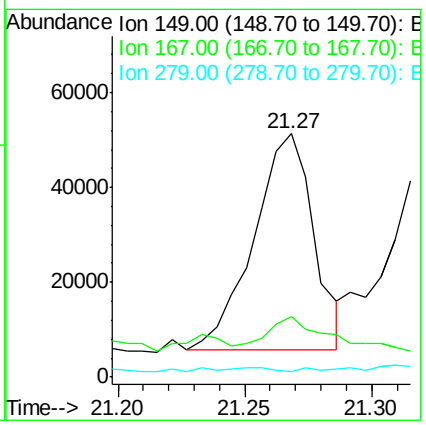


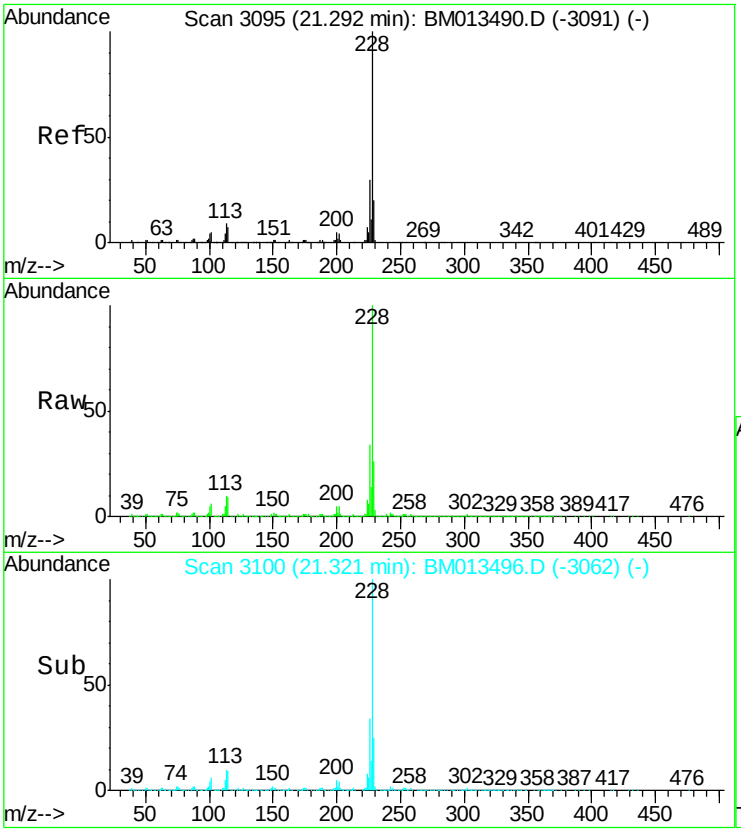


#81
Bis(2-ethylhexyl)phthalate
Concen: 192.365 ng/ul
RT: 21.27 min Scan# 3091
Delta R.T. 0.09 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:149 Resp: 75902

Ion	Ratio	Lower	Upper
149	100		
167	24.7	22.8	34.2
279	2.4	4.9	7.3#



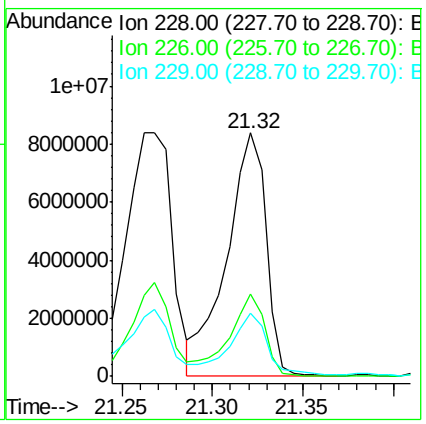


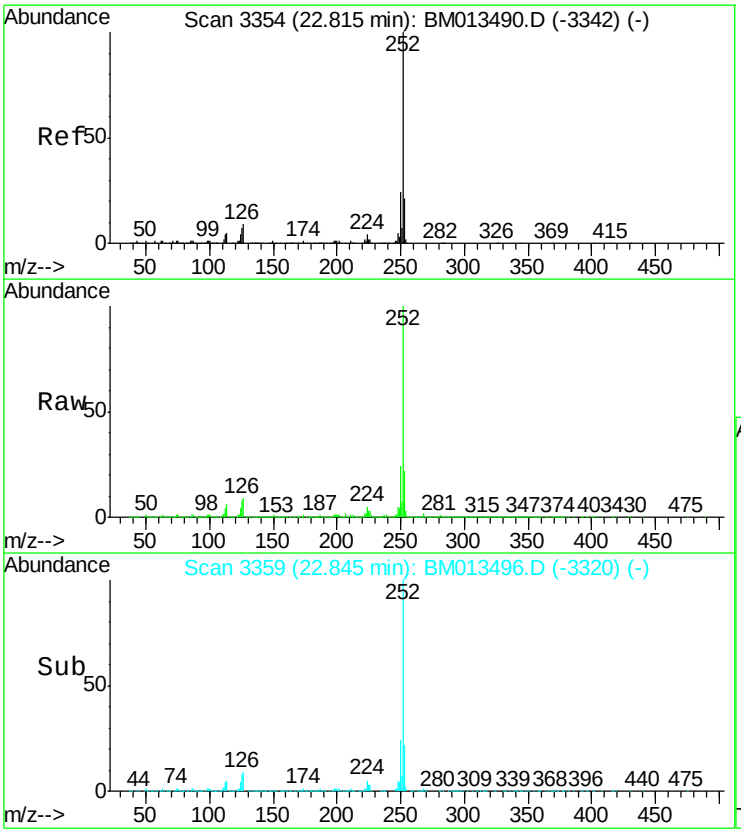
#82
Chrysene
Concen: 19381.485 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:228 Resp:12581378

Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.4	35.2
229	25.8	15.5	23.3#

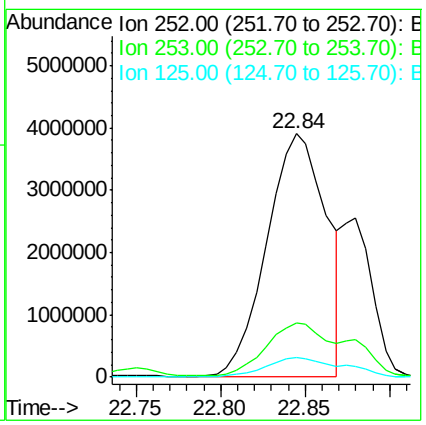


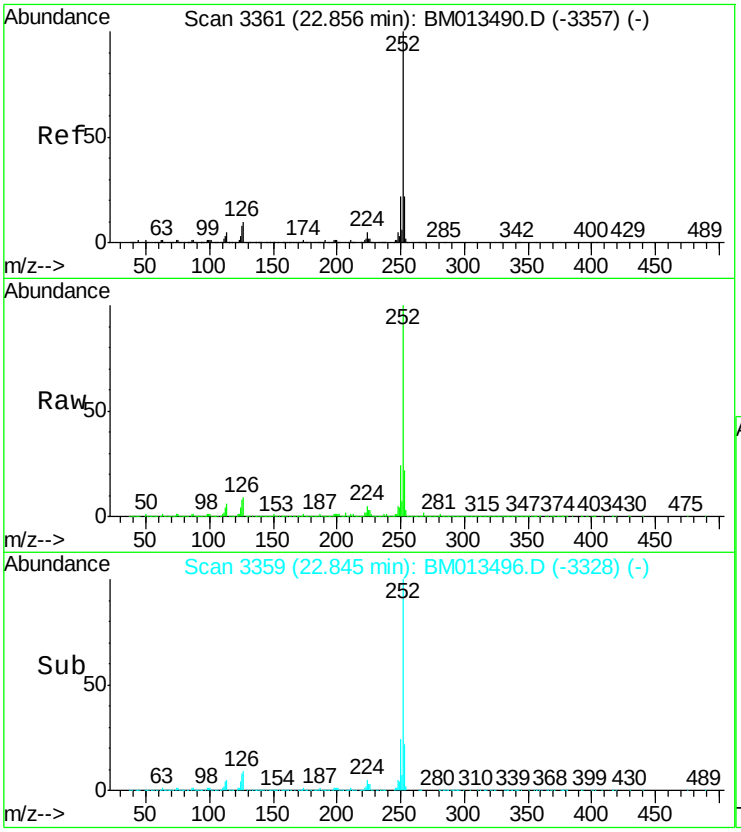


#85
Benzo(b)fluoranthene
Concen: 170.703 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:252 Resp: 9528668

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	8.0	3.6	5.4#



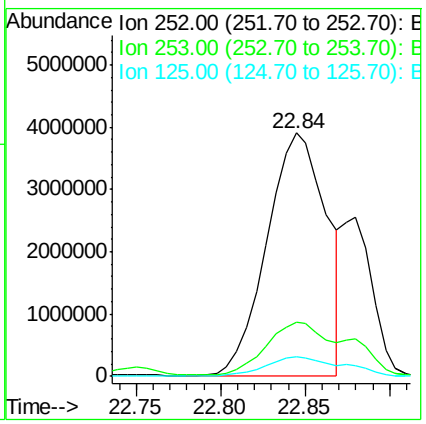


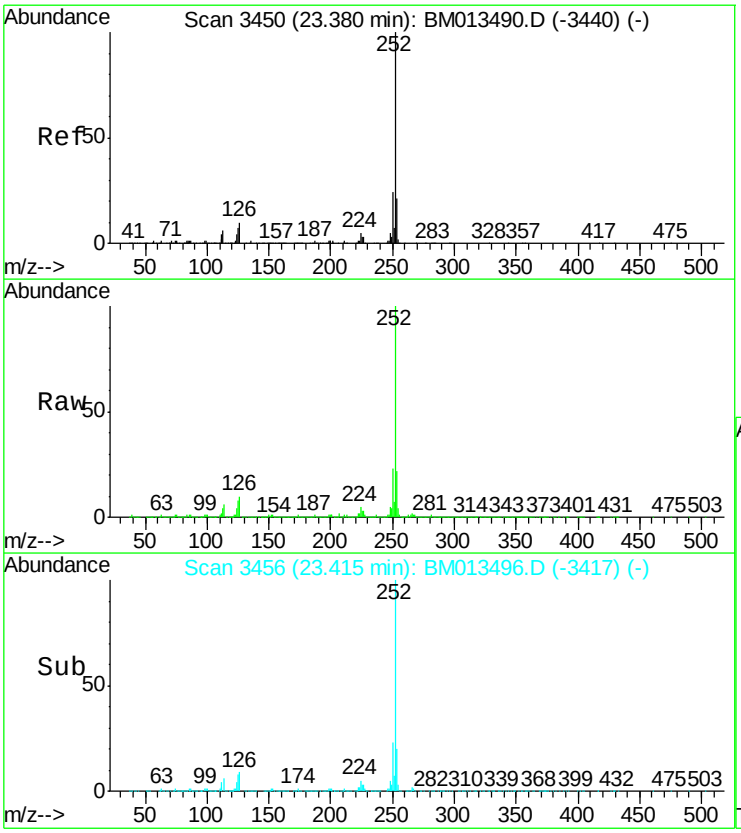
#86
Benzo(k)fluoranthene
Concen: 181.393 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. -0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:252 Resp: 9528668

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	8.0	3.4	5.2#

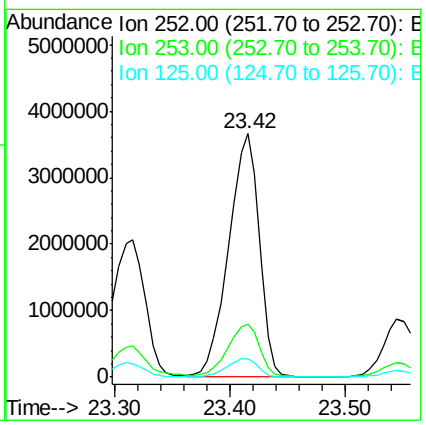


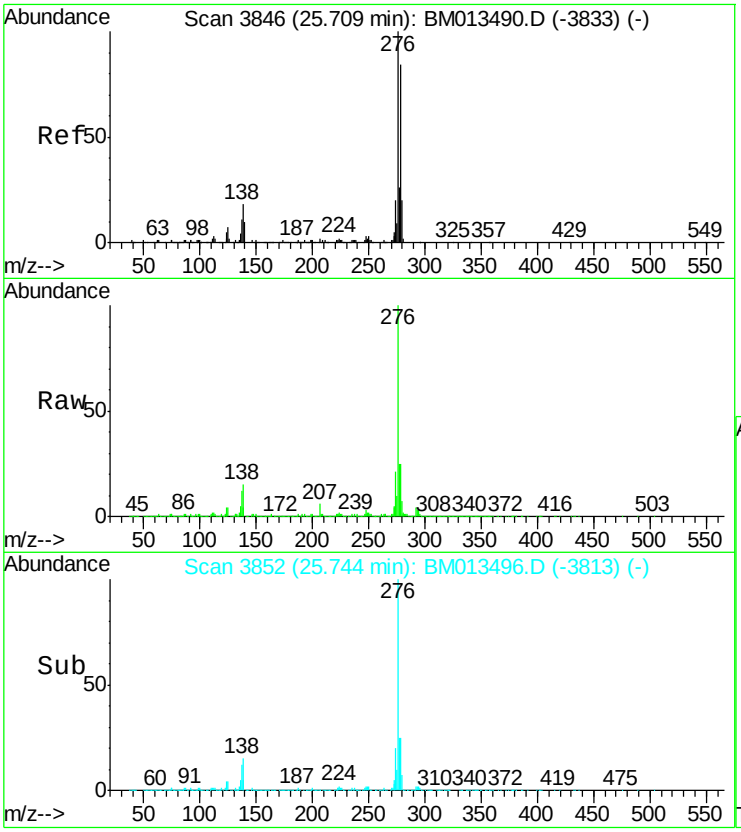


#88
Benzo(a)pyrene
Concen: 133.018 ng/ul
RT: 23.42 min Scan# 3456
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:252 Resp: 6669939

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	7.7	4.0	6.0#



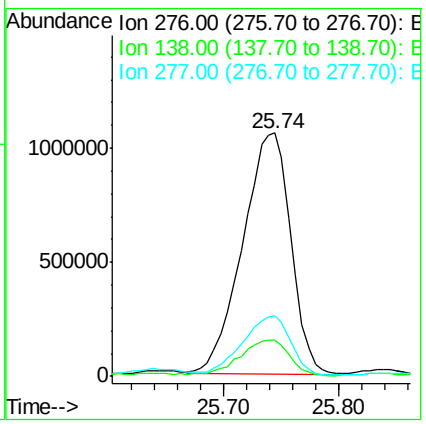


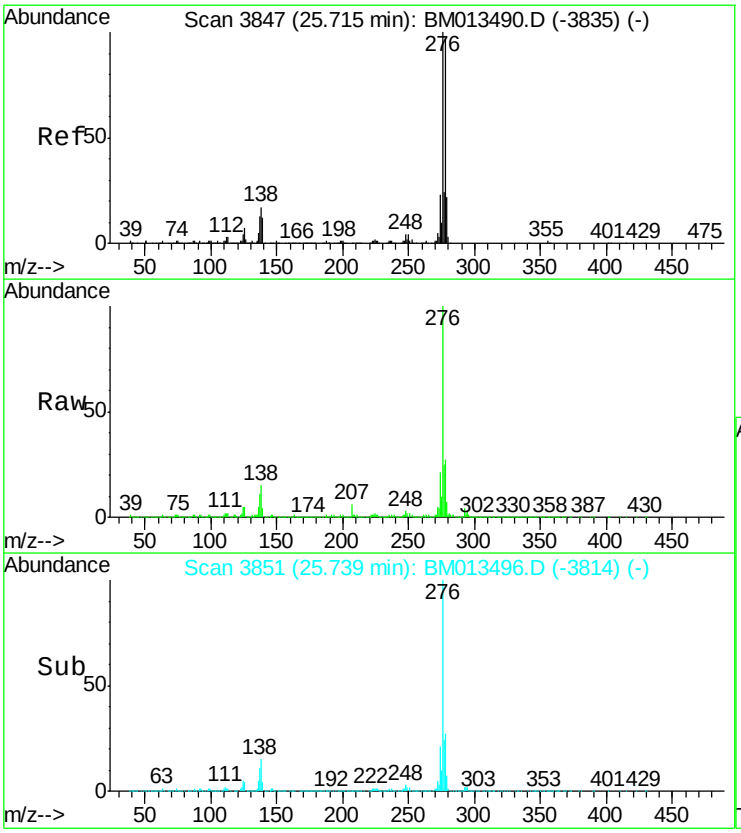
#89
Indeno(1,2,3-cd)pyrene
Concen: 61.534 ng/ul
RT: 25.74 min Scan# 3852
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:276 Resp: 3061522

Ion	Ratio	Lower	Upper
276	100		
138	14.8	9.3	13.9#
277	24.8	19.9	29.9

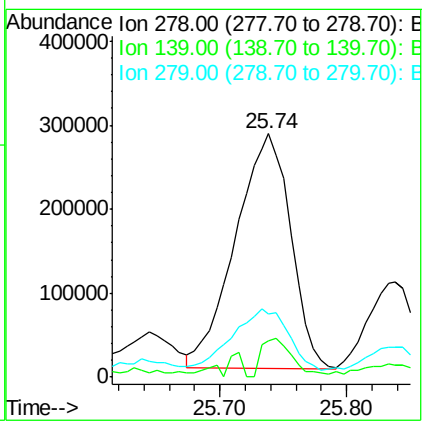


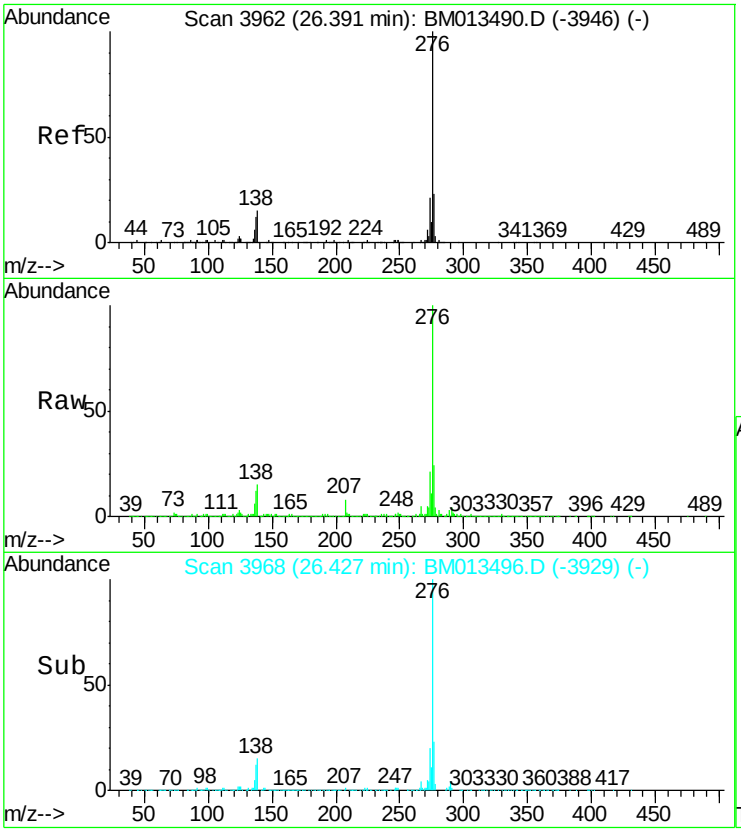


#90
Dibenzo(a,h)anthracene
Concen: 20.023 ng/ul
RT: 25.74 min Scan# 3851
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:278 Resp: 848271

Ion	Ratio	Lower	Upper
278	100		
139	15.1	5.8	8.8#
279	26.2	18.6	27.8





#91
Benzo(g,h,i)perylene
Concen: 61.348 ng/ul
RT: 26.43 min Scan# 3968
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion:276 Resp: 2407601

Ion	Ratio	Lower	Upper
276	100		
138	15.1	8.5	12.7#
277	23.8	18.6	28.0