Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016030.D
Acq On : 20 Feb 2015 9:49
Operator : TP/IZ
Sample : MDL-05-S-ML
Misc : MDL-SOIL-3PPM-SOM0-ML
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 20 10:35:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	92896	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	415059	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	250974	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.17	188	532899	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	555931	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	544947	20.00	ng/ul	0.00
System Monitoring Compounds						
3) Phenol-d5	6.97	99	228137	25.81	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	143389	27.47	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	175897	26.90	ng/ul	0.00
11) 4-Methylphenol-d8	8.50	113	172416	26.36	ng/ul	0.00
17) Nitrobenzene-d5	8.96	128	87332	29.77	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	79071	29.22	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	148617	25.32	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	269450	41.67	ng/ul	0.00
41) Dimethylphthalate-d6	13.84	166	500037	29.80	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	654375	27.56	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	68702	20.36	ng/ul	0.00
55) Fluorene-d10	15.42	176	470870	27.92	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.53	200	29293	14.26	ng/ul	0.00
68) Anthracene-d10	17.27	188	715877	28.32	ng/ul	0.00
76) Pyrene-d10	19.56	212	768914	29.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	701937	28.41	ng/ul	0.00
Target Compounds						Qvalue
2) Benzaldehyde	6.96	77	80	0.01	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.23	93	788	0.11	ng/ul#	81
10) 2,2'-oxybis(1-Chloropropan	8.51	45	1052	0.11	ng/ul#	71
13) N-Nitroso-di-n-propylamine	8.51	70	4067	0.73	ng/ul#	1
18) Nitrobenzene	8.97	77	318	0.05	ng/ul#	36
19) Isophorone	9.68	82	4935	0.33	ng/ul#	64
26) Naphthalene	10.71	128	53	0.00	ng/ul#	69
34) 1,2,4,5-Tetrachlorobenzene	12.63	216	136	0.02	ng/ul#	25
42) Dimethylphthalate	13.85	163	286	0.02	ng/ul#	1
50) 4-Nitrophenol	14.75	109	1028	0.53	ng/ul#	1
56) Fluorene	15.43	166	1107	0.06	ng/ul#	5
58) 4-Nitroaniline	15.42	138	158	0.03	ng/ul#	1
67) Phenanthrene	17.17	178	215	0.01	ng/ul#	1
69) Anthracene	17.30	178	128	0.00	ng/ul#	59
70) 1,2,3,4-Tetrachlorobenzene	13.23	216	13598	2.01	ng/uL	96
71) Pentachlorobenzene	14.75	250	27005	4.07	ng/uL	99
73) Di-n-butylphthalate	18.14	149	124	0.00	ng/ul#	78
77) Pyrene	19.56	202	1179	0.03	ng/ul#	1
80) Benzo(a)anthracene	21.34	228	1478	0.05	ng/ul#	45
81) Bis(2-ethylhexyl)phthalate	21.30	149	75	0.00	ng/ul#	50
82) Chrysene	21.34	228	1478	0.05	ng/ul#	45
84) Di-n-octyl phthalate	22.16	149	216	0.01	ng/ul	100
88) Benzo(a)pyrene	23.51	252	2513	0.08	ng/ul#	80
89) Indeno(1,2,3-cd)pyrene	26.01	276	67	0.00	ng/ul#	17

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016030.D
Acq On : 20 Feb 2015 9:49
Operator : TP/IZ
Sample : MDL-05-S-ML
Misc : MDL-SOIL-3PPM-SOM0-ML
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 20 10:35:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration

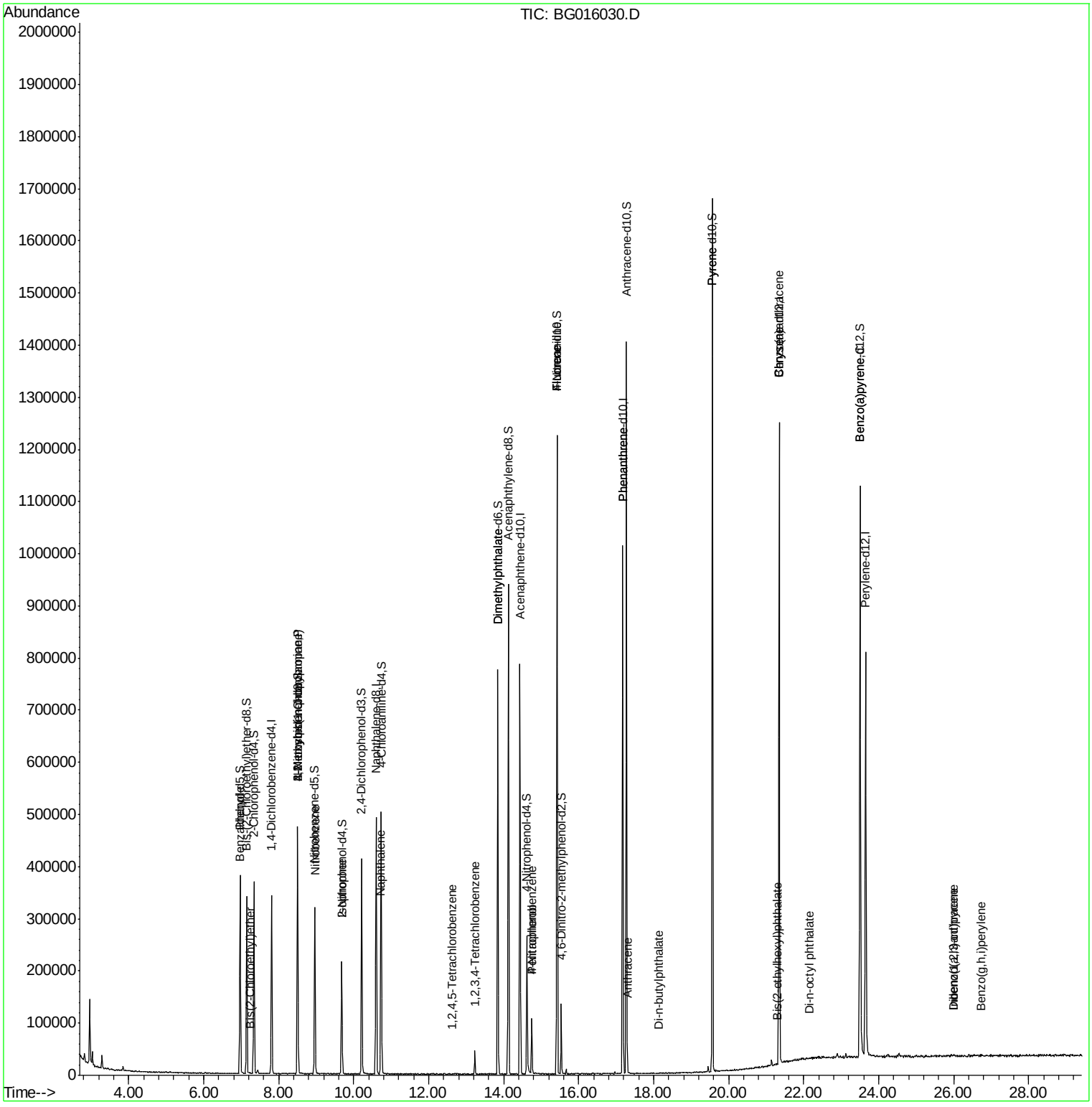
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	26.00	278	127	0.00	ng/ul#	53
91) Benzo(g,h,i)perylene	26.73	276	282	0.01	ng/ul#	48

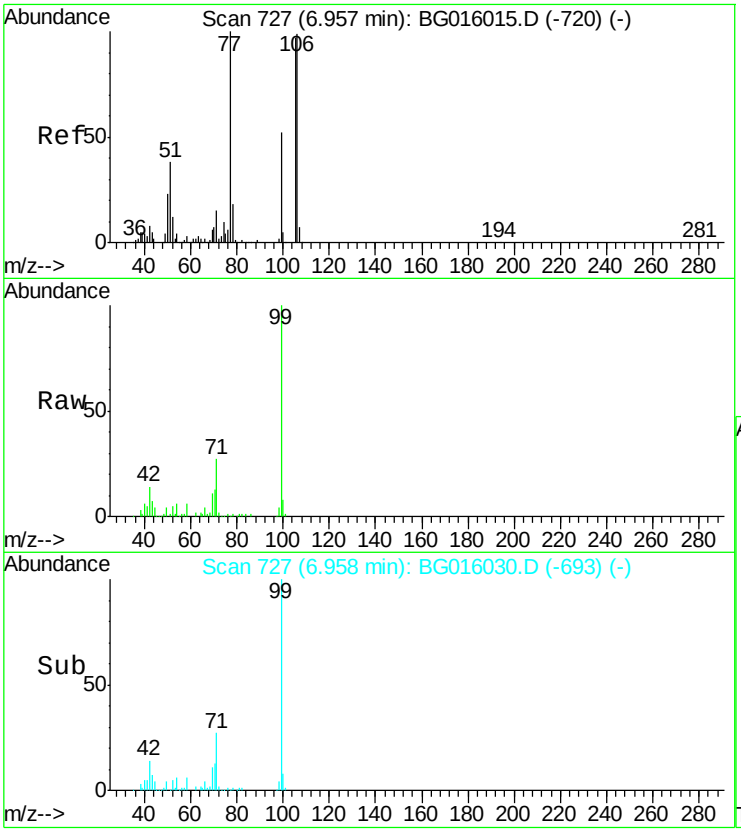
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016030.D
Acq On : 20 Feb 2015 9:49
Operator : TP/IZ
Sample : MDL-05-S-ML
Misc : MDL-SOIL-3PPM-SOM0-ML
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 20 10:35:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration

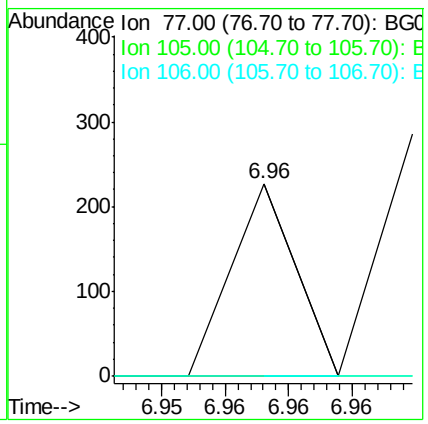


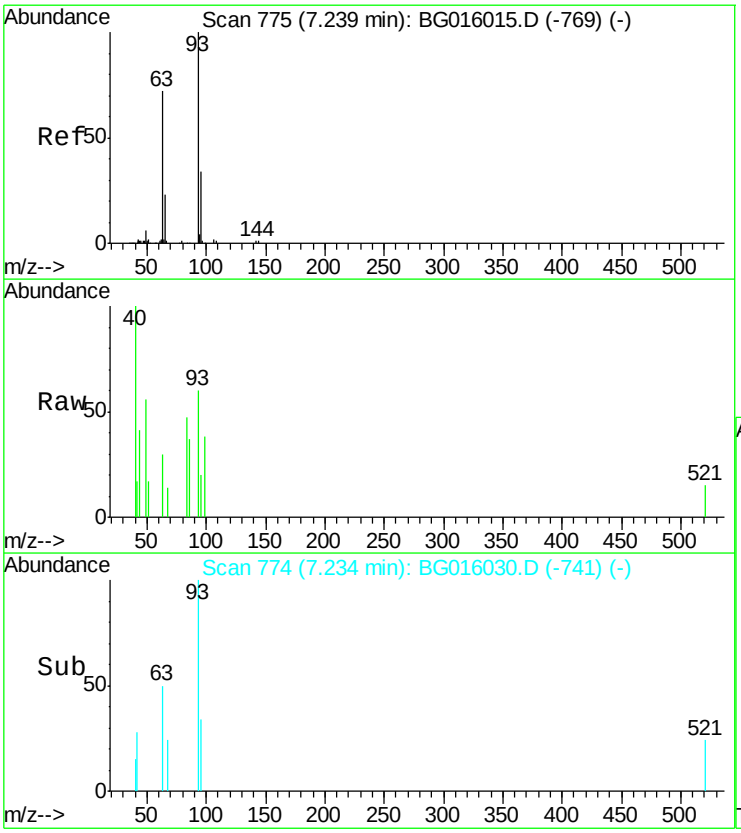


#2
Benzaldehyde
Concen: 0.01 ng/ul
RT: 6.96 min Scan# 727
Delta R.T. -0.00 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 77 Resp: 80

Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.6	114.8#
106	0.0	78.2	117.4#

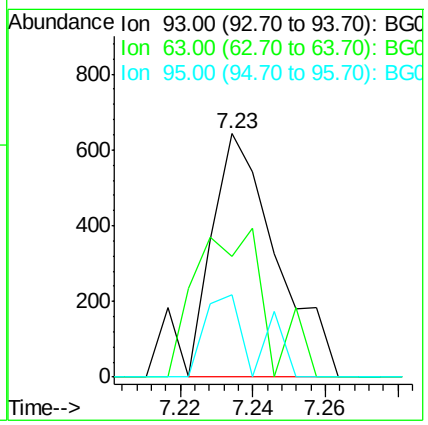


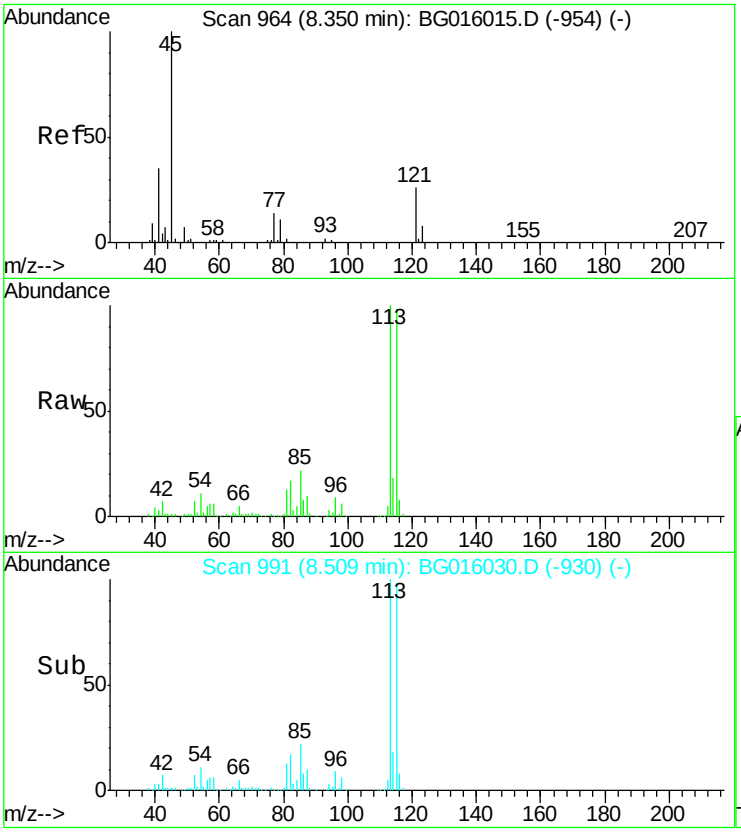


#6
Bis(2-Chloroethyl)ether
Concen: 0.11 ng/ul
RT: 7.23 min Scan# 774
Delta R.T. -0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 93 Resp: 788

Ion	Ratio	Lower	Upper
93	100		
63	49.6	57.5	86.3#
95	33.7	25.8	38.6

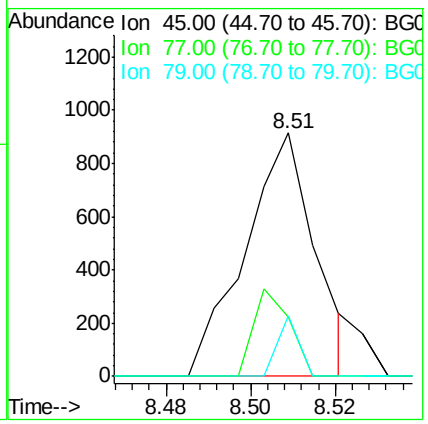


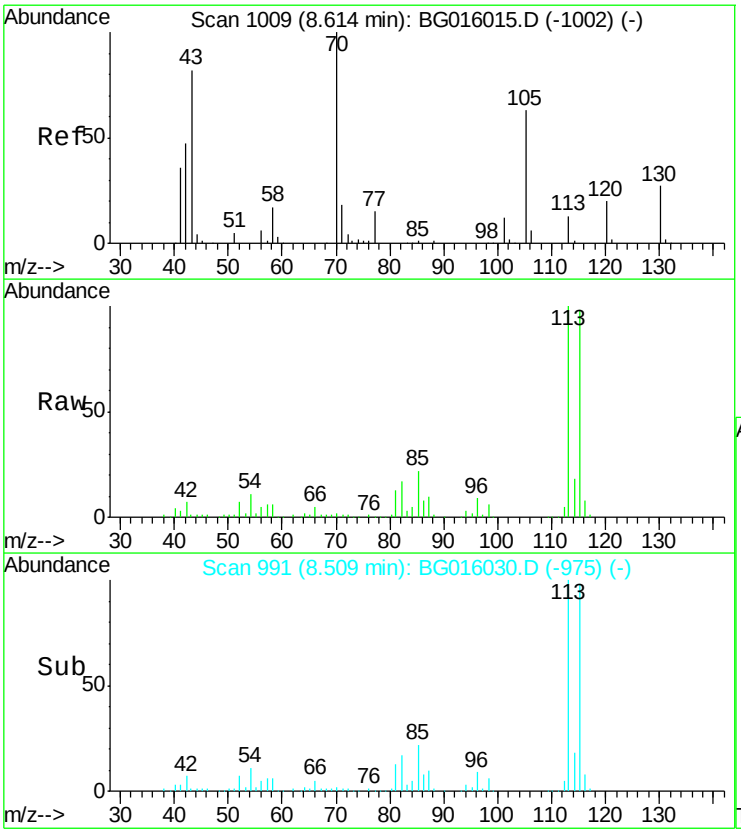


#10
2,2'-oxybis(1-Chloropropane)
Concen: 0.11 ng/ul
RT: 8.51 min Scan# 991
Delta R.T. 0.16 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 45 Resp: 1052

Ion	Ratio	Lower	Upper
45	100		
77	24.3	11.4	17.2#
79	24.9	9.0	13.6#

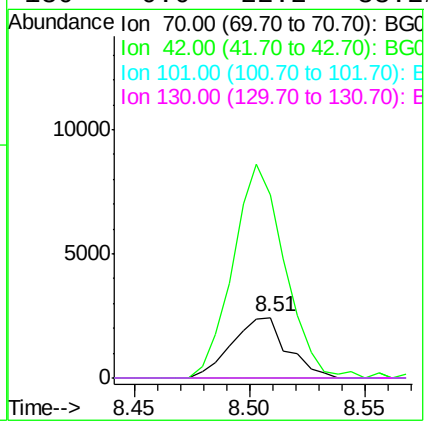


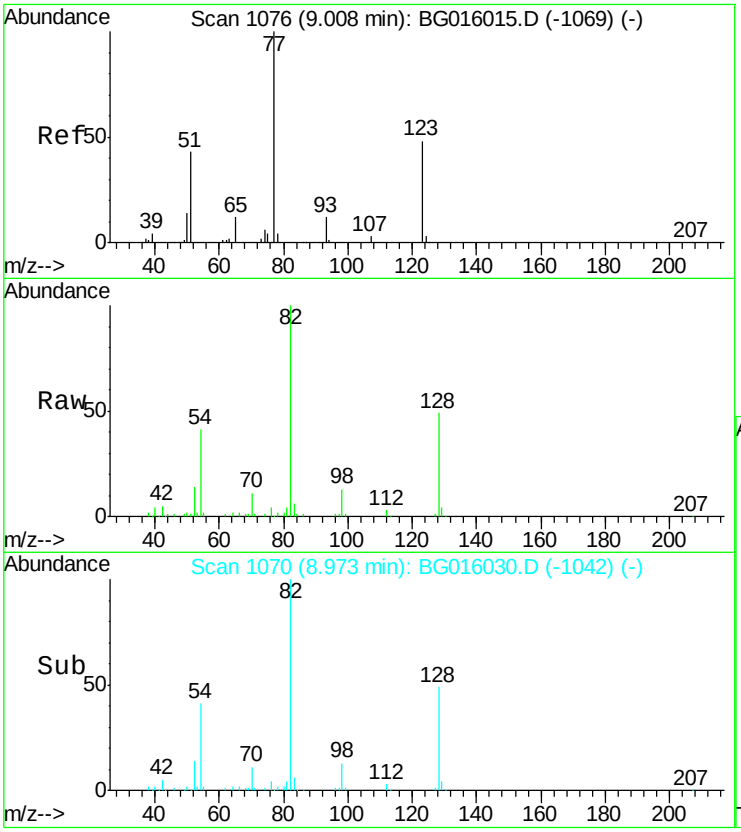


#13
N-Nitroso-di-n-propylamine
Concen: 0.73 ng/ul
RT: 8.51 min Scan# 991
Delta R.T. -0.11 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 70 Resp: 4067

Ion	Ratio	Lower	Upper
70	100		
42	303.3	37.8	56.6#
101	0.0	9.3	13.9#
130	0.0	22.2	33.2#

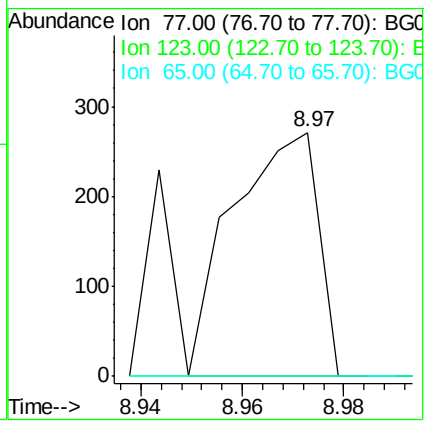


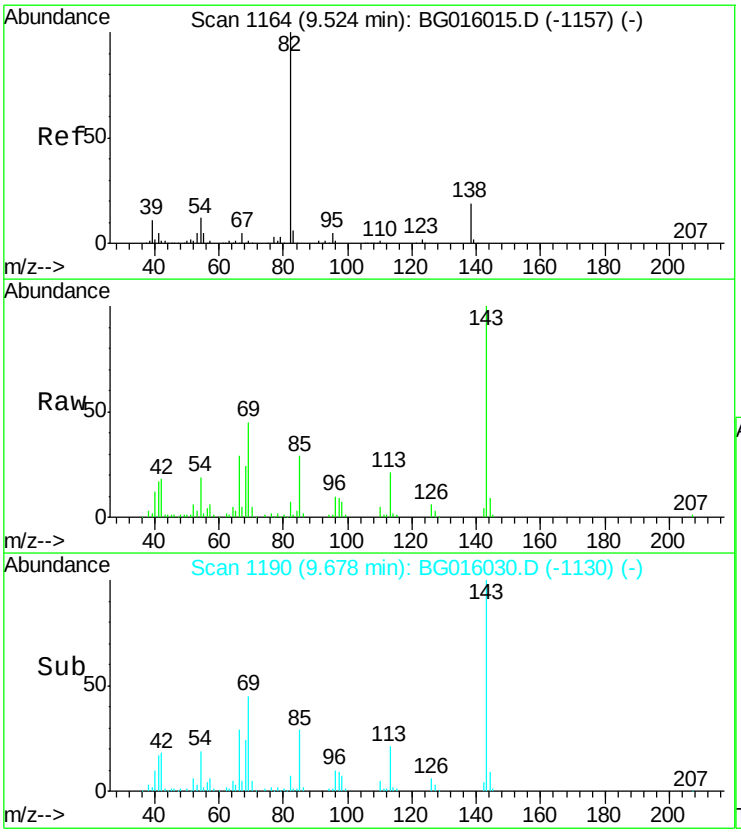


#18
Nitrobenzene
Concen: 0.05 ng/ul
RT: 8.97 min Scan# 1070
Delta R.T. -0.04 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 77 Resp: 318

Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	0.0	11.0	16.6#

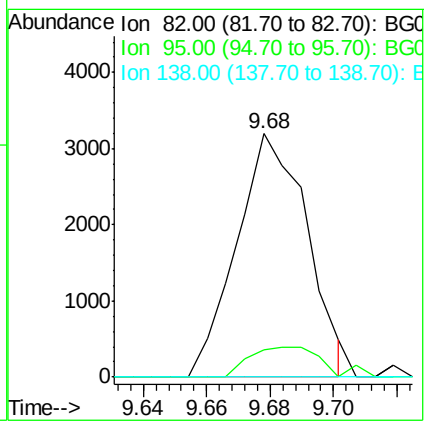


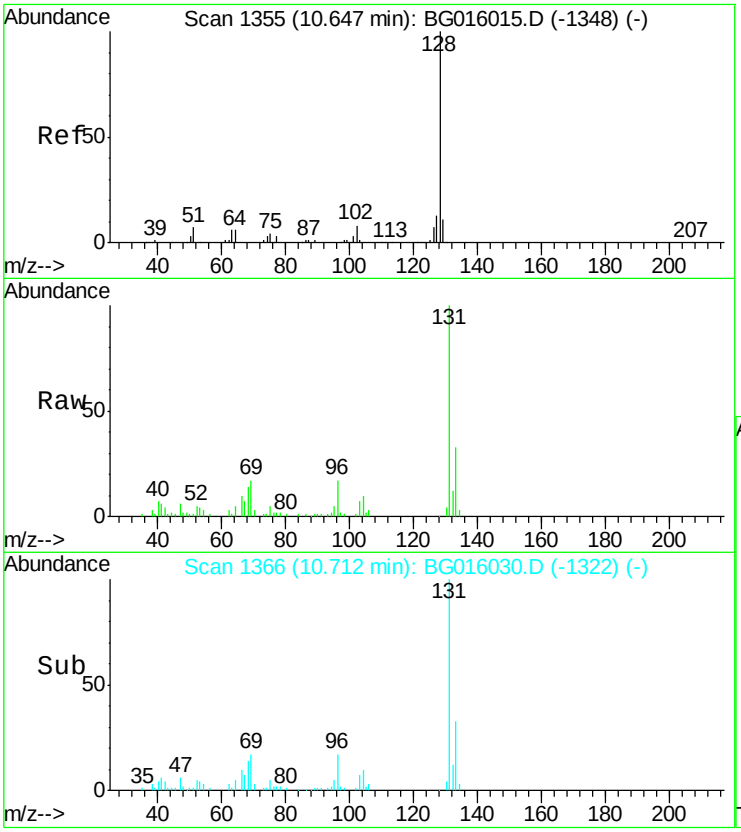


#19
Isophorone
Concen: 0.33 ng/ul
RT: 9.68 min Scan# 1190
Delta R.T. 0.15 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion: 82 Resp: 4935

Ion	Ratio	Lower	Upper
82	100		
95	11.0	4.6	6.8#
138	0.0	15.4	23.2#

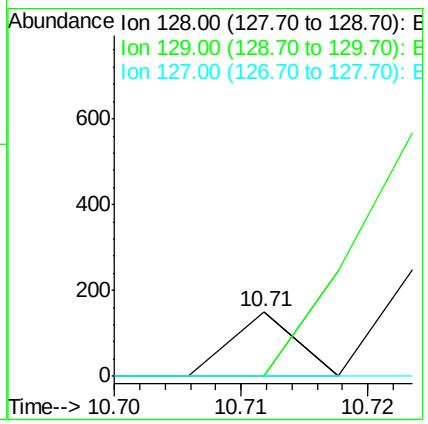


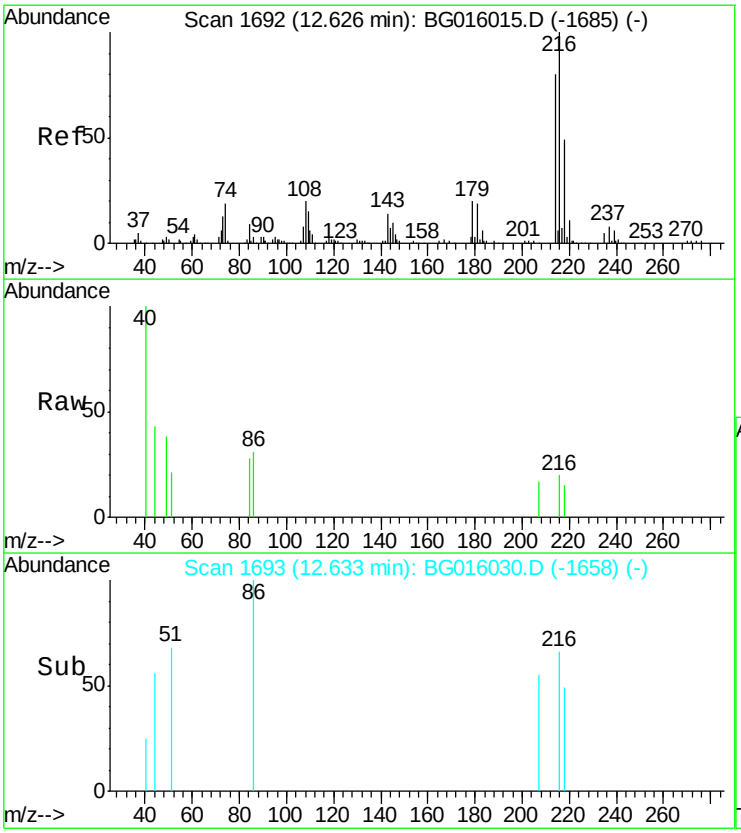


#26
Naphthalene
Concen: 0.00 ng/ul
RT: 10.71 min Scan# 1366
Delta R.T. 0.06 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:128 Resp: 53

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.4	15.6#

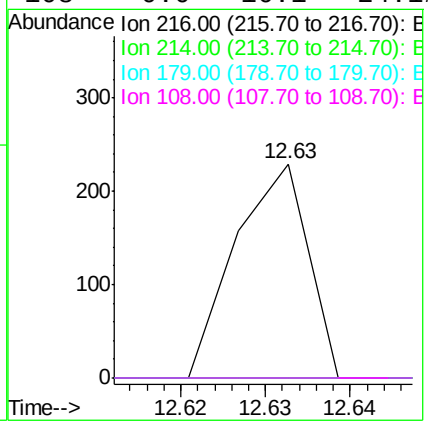


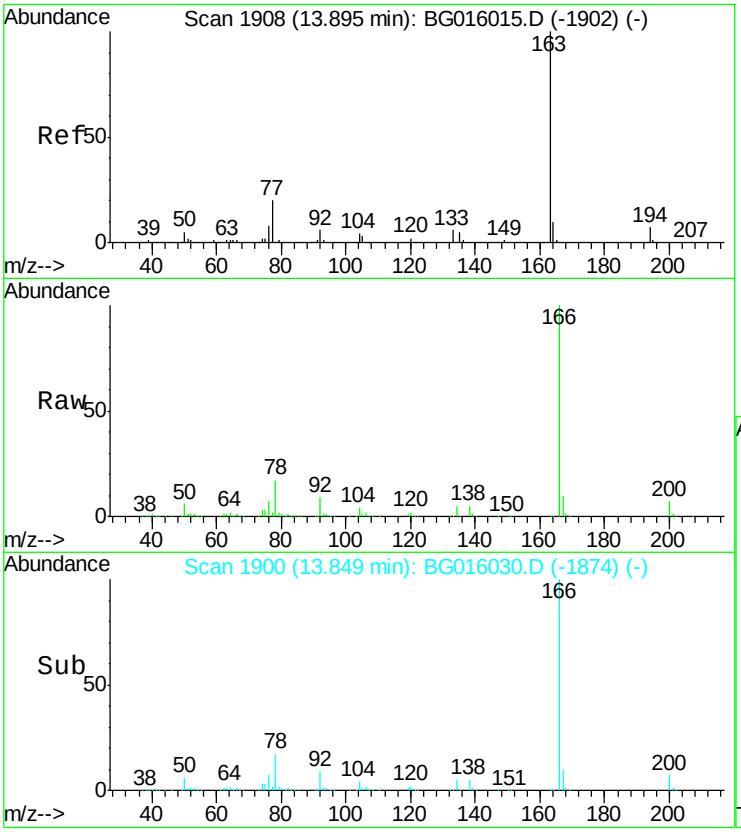


#34
1,2,4,5-Tetrachlorobenzene
Concen: 0.02 ng/ul
RT: 12.63 min Scan# 1693
Delta R.T. 0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:216 Resp: 136

Ion	Ratio	Lower	Upper
216	100		
214	0.0	64.3	96.5#
179	0.0	15.7	23.5#
108	0.0	16.1	24.1#

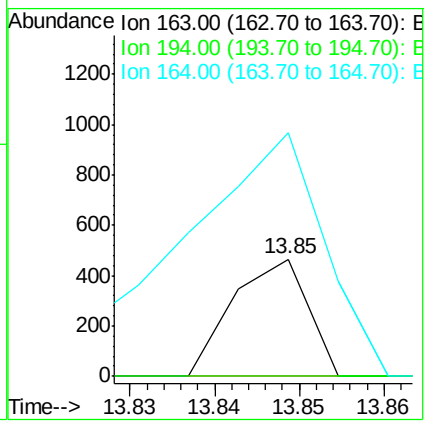


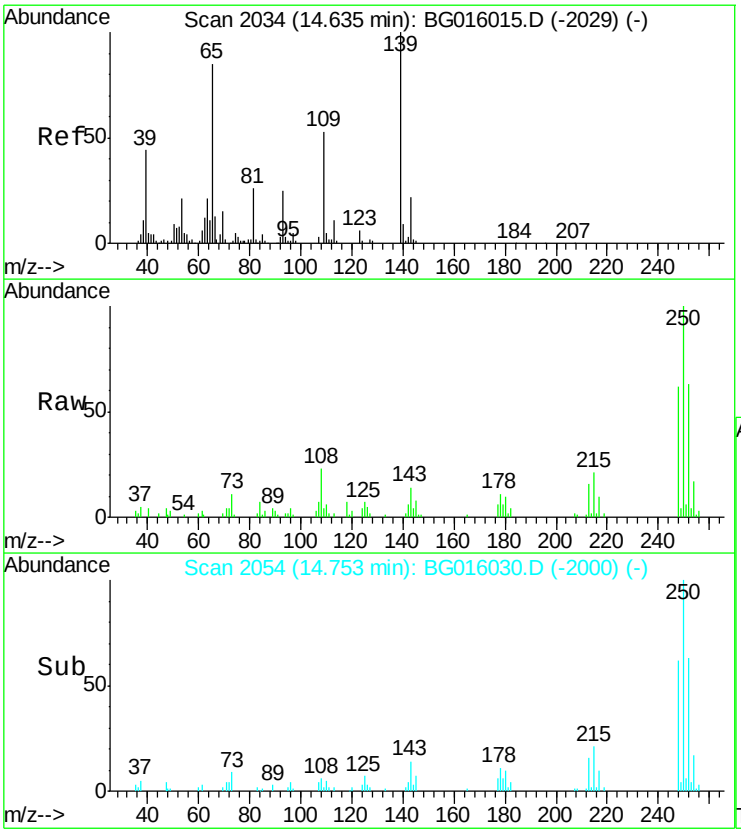


#42
Dimethylphthalate
Concen: 0.02 ng/ul
RT: 13.85 min Scan# 1900
Delta R.T. -0.05 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:163 Resp: 286

Ion	Ratio	Lower	Upper
163	100		
194	0.0	5.3	7.9#
164	207.5	8.5	12.7#

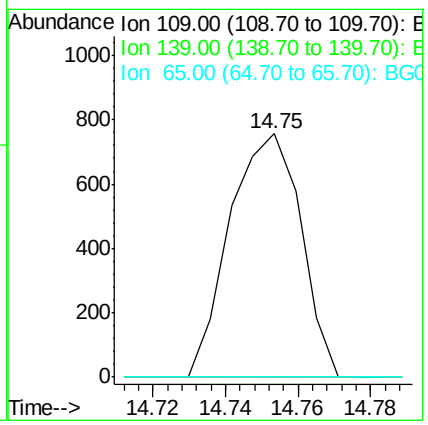


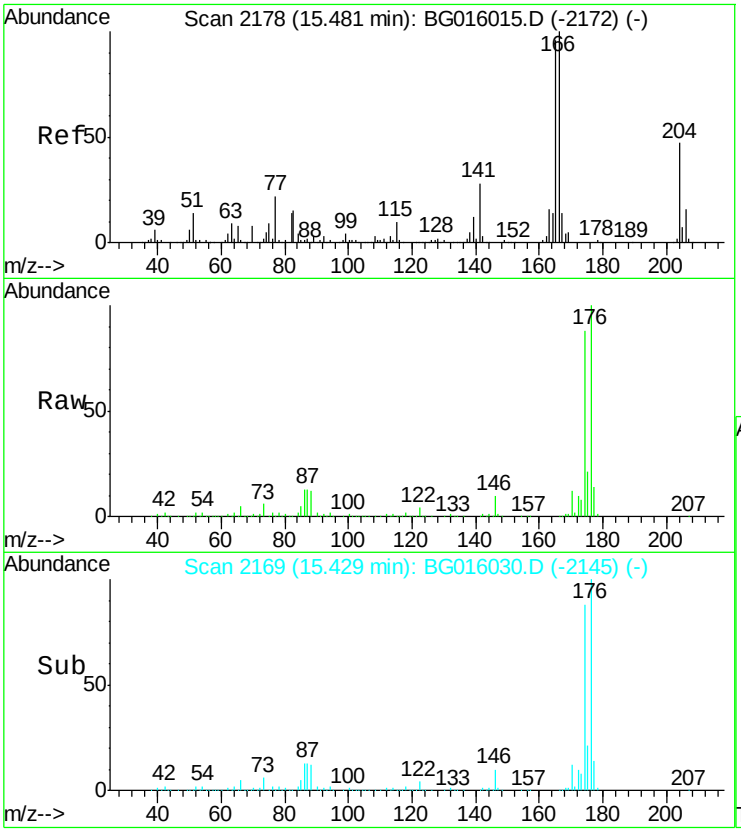


#50
4-Nitrophenol
Concen: 0.53 ng/ul
RT: 14.75 min Scan# 2054
Delta R.T. 0.12 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:109 Resp: 1028

Ion	Ratio	Lower	Upper
109	100		
139	0.0	146.1	219.1#
65	0.0	123.5	185.3#

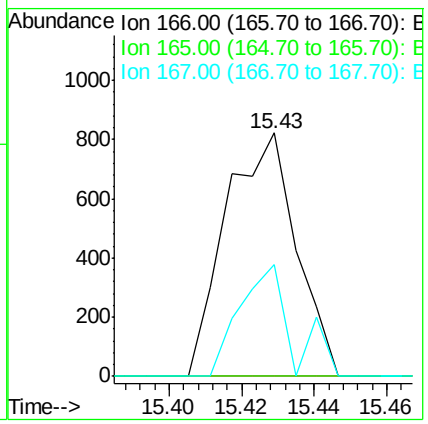


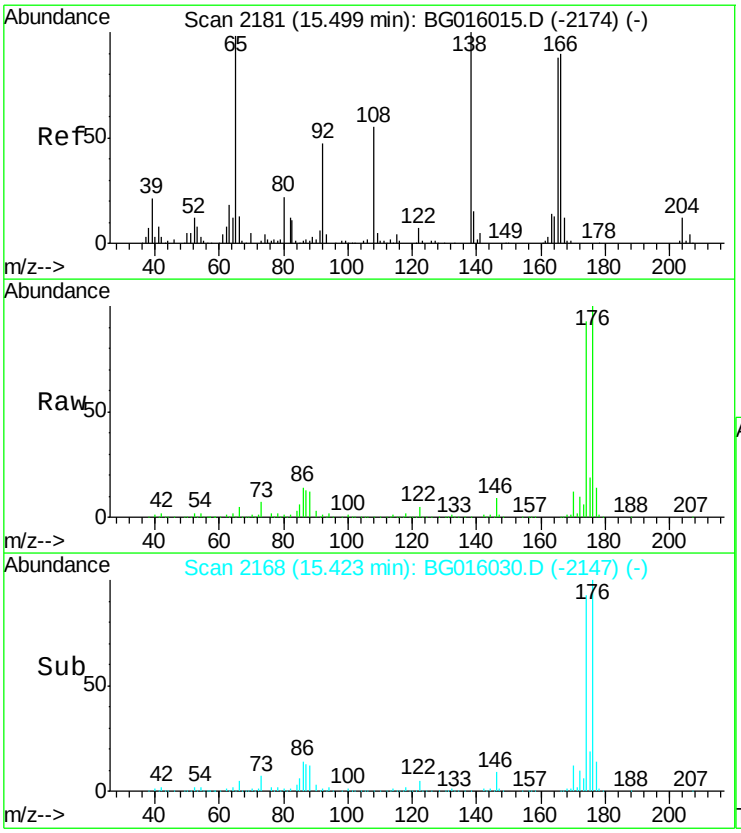


#56
Fluorene
Concen: 0.06 ng/ul
RT: 15.43 min Scan# 2169
Delta R.T. -0.06 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:166 Resp: 1107

Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.4	113.2#
167	45.7	11.0	16.4#

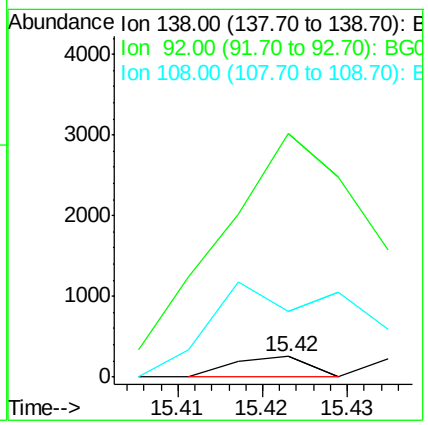


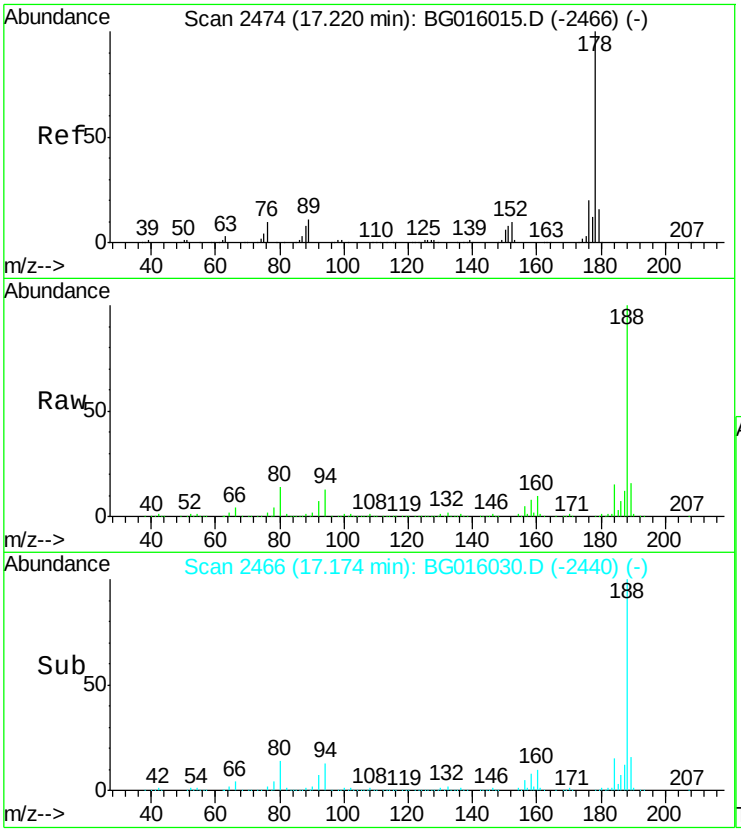


#58
4-Nitroaniline
Concen: 0.03 ng/ul
RT: 15.42 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:138 Resp: 158

Ion	Ratio	Lower	Upper
138	100		
92	1197.6	38.1	57.1#
108	322.6	46.4	69.6#

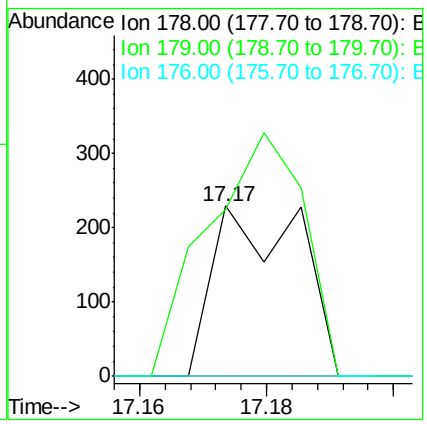


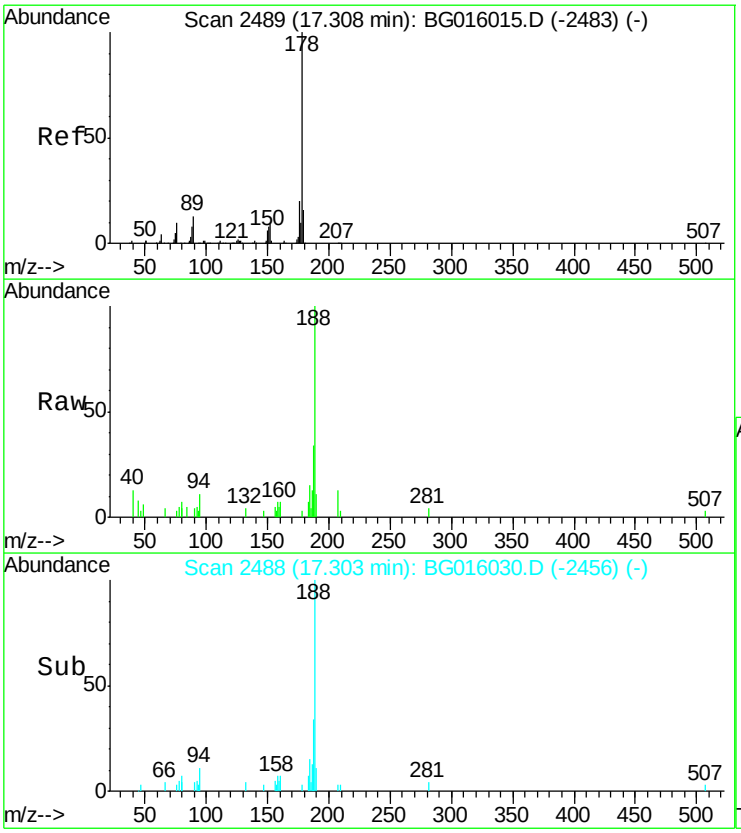


#67
Phenanthrene
Concen: 0.01 ng/ul
RT: 17.17 min Scan# 2466
Delta R.T. -0.05 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:178 Resp: 215

Ion	Ratio	Lower	Upper
178	100		
179	98.3	12.8	19.2#
176	0.0	16.5	24.7#

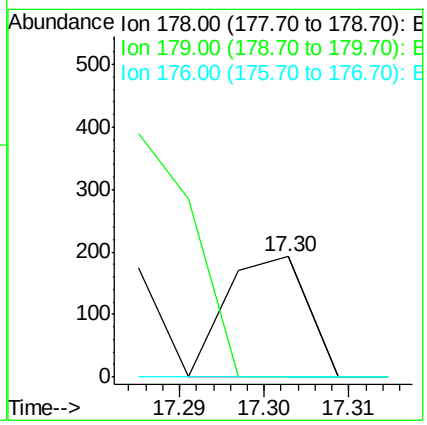


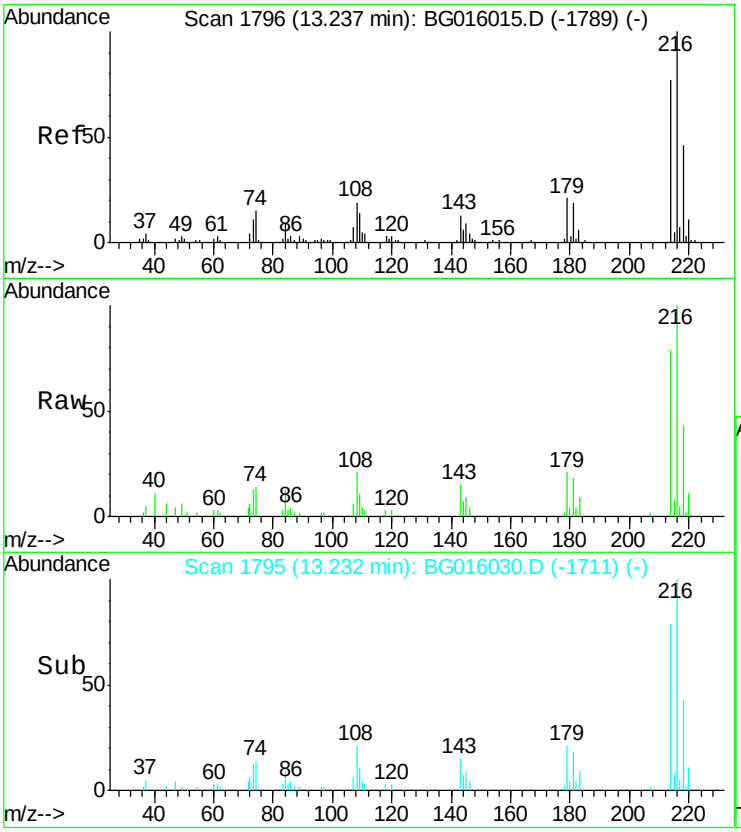


#69
Anthracene
Concen: 0.00 ng/ul
RT: 17.30 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:178 Resp: 128

Ion	Ratio	Lower	Upper
178	100		
179	0.0	12.9	19.3#
176	0.0	15.7	23.5#

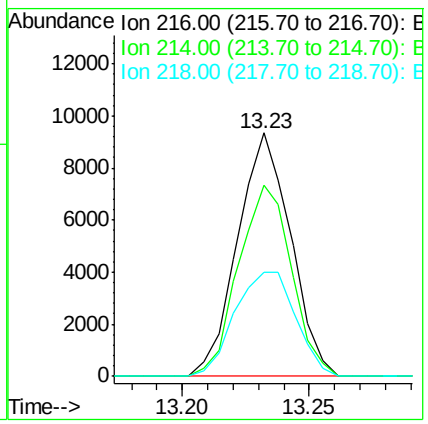


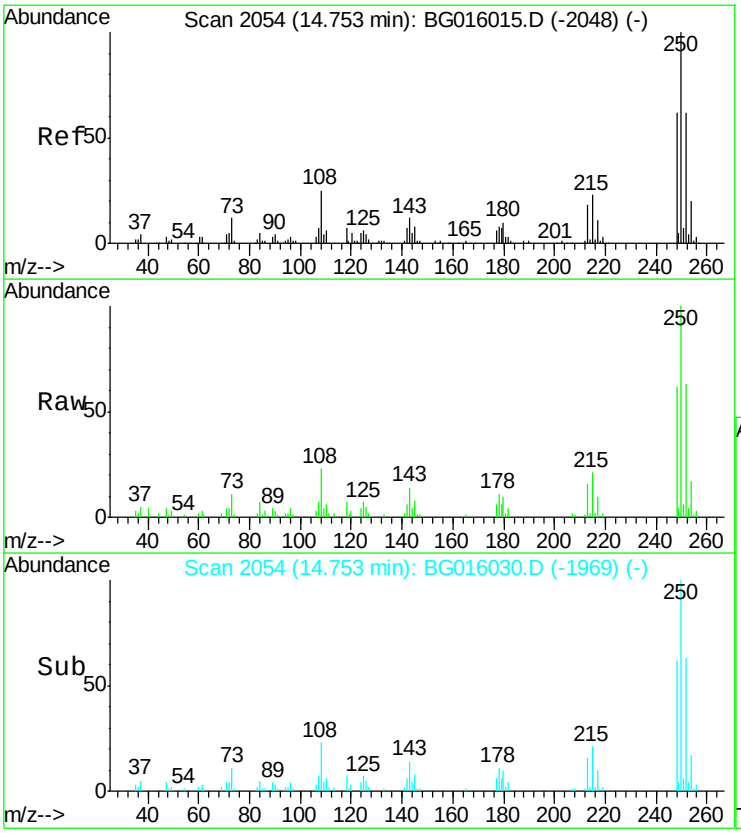


#70
1,2,3,4-Tetrachlorobenzene
Concen: 2.01 ng/uL
RT: 13.23 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:216 Resp: 13598

Ion	Ratio	Lower	Upper
216	100		
214	78.6	64.5	96.7
218	42.5	37.9	56.9

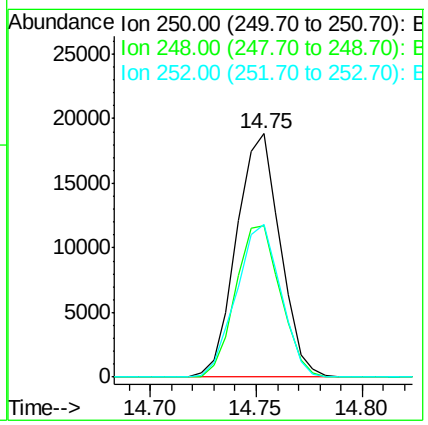


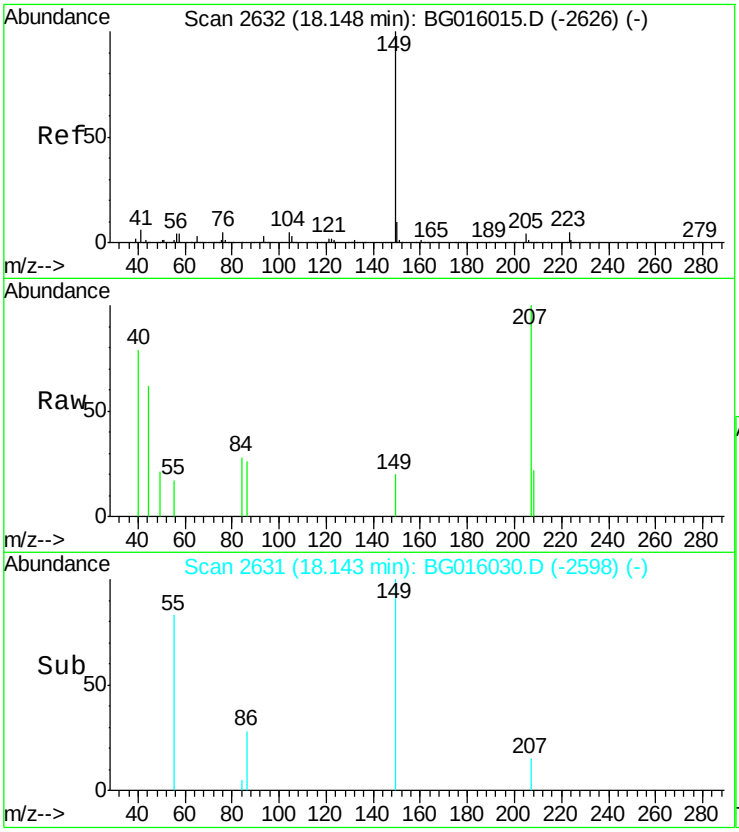


#71
Pentachlorobenzene
Concen: 4.07 ng/uL
RT: 14.75 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:250 Resp: 27005

Ion	Ratio	Lower	Upper
250	100		
248	62.2	50.5	75.7
252	62.9	50.7	76.1

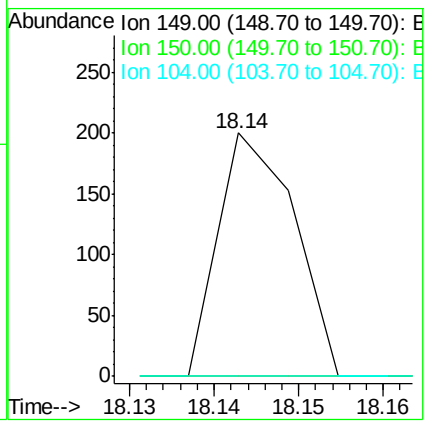


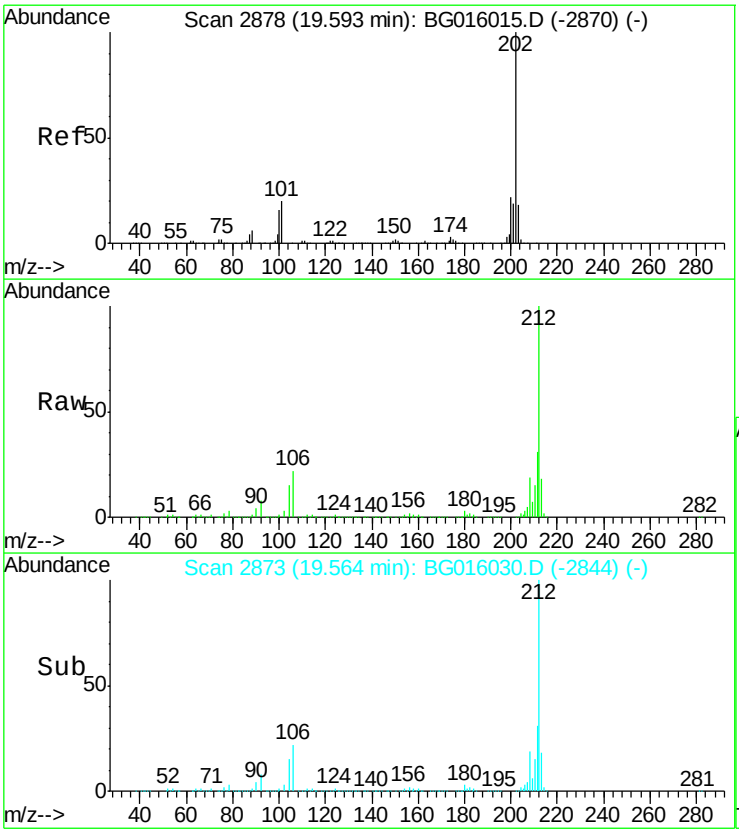


#73
Di-n-butylphthalate
Concen: 0.00 ng/ul
RT: 18.14 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:149 Resp: 124

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.6	11.4#
104	0.0	3.7	5.5#

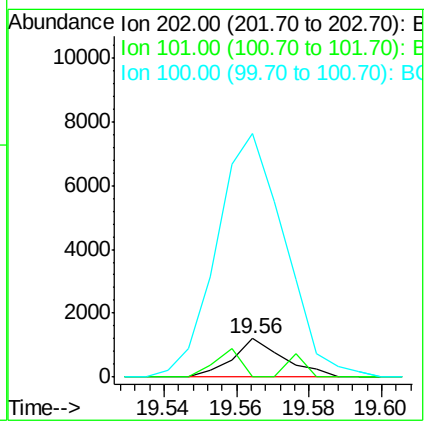


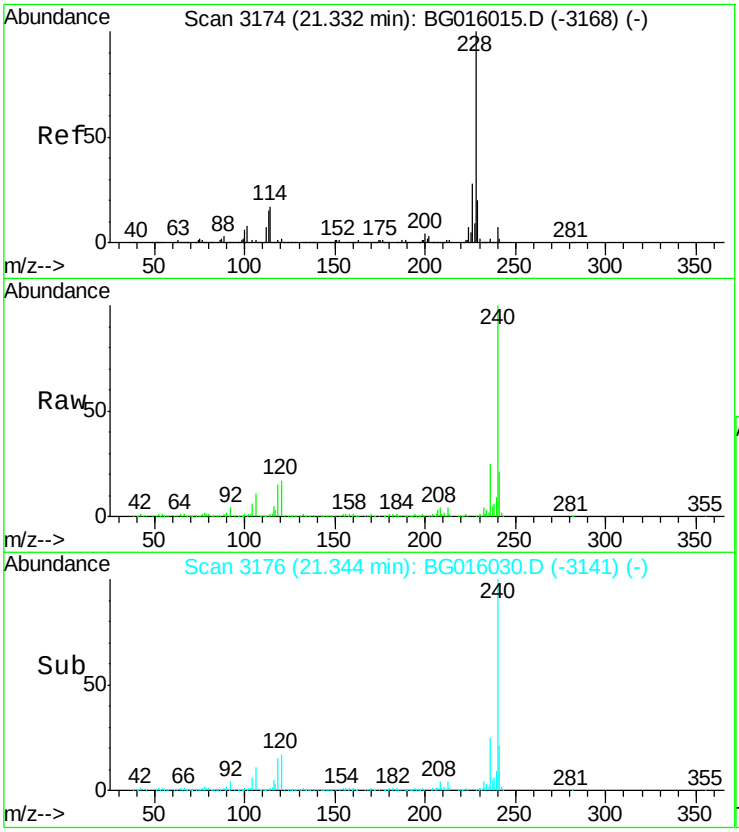


#77
Pyrene
Concen: 0.03 ng/ul
RT: 19.56 min Scan# 2873
Delta R.T. -0.03 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:202 Resp: 1179

Ion	Ratio	Lower	Upper
202	100		
101	0.0	15.8	23.8#
100	636.5	12.7	19.1#

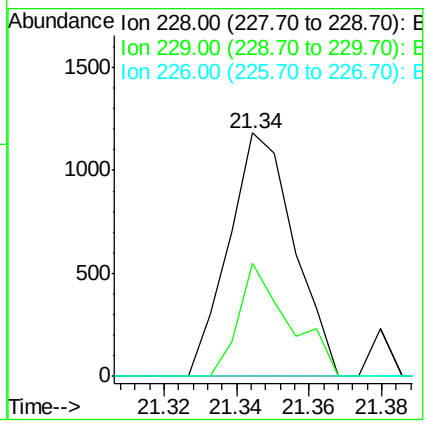


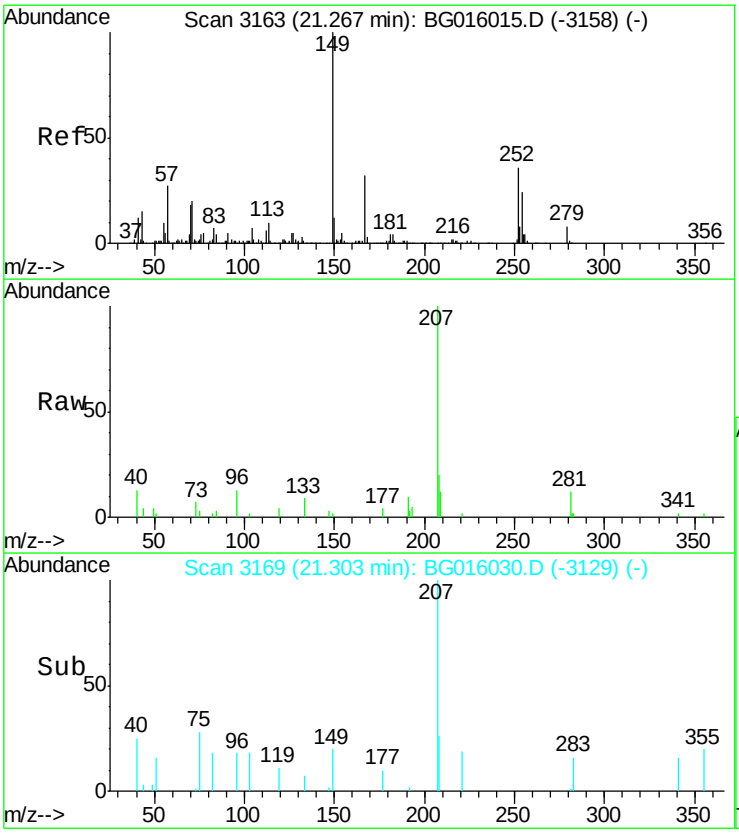


#80
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.34 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:228 Resp: 1478

Ion	Ratio	Lower	Upper
228	100		
229	46.3	16.4	24.6#
226	0.0	22.8	34.2#

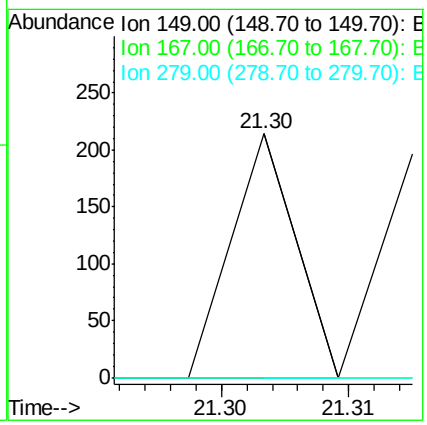


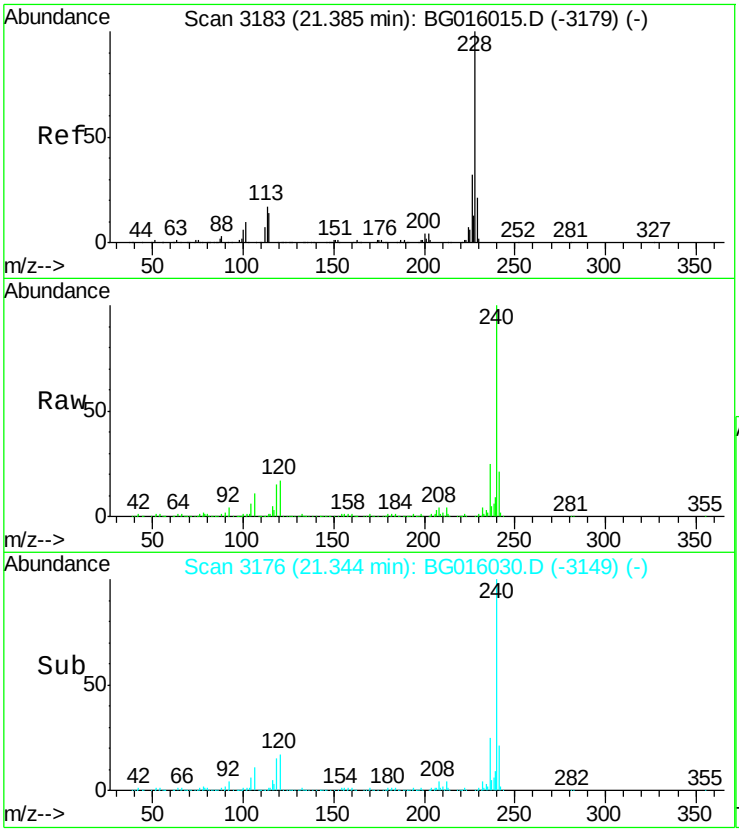


#81
Bis(2-ethylhexyl)phthalate
Concen: 0.00 ng/ul
RT: 21.30 min Scan# 3169
Delta R.T. 0.04 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:149 Resp: 75

Ion	Ratio	Lower	Upper
149	100		
167	0.0	25.5	38.3#
279	0.0	6.0	9.0#

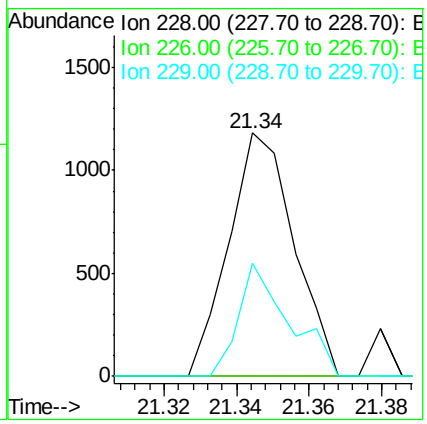


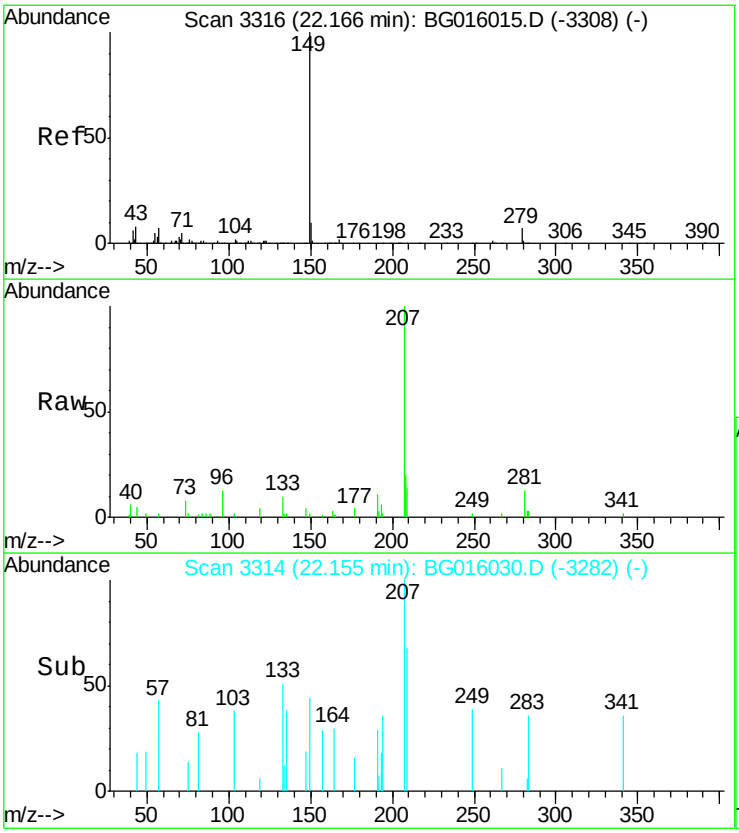


#82
Chrysene
Concen: 0.05 ng/ul
RT: 21.34 min Scan# 3176
Delta R.T. -0.04 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:228 Resp: 1478

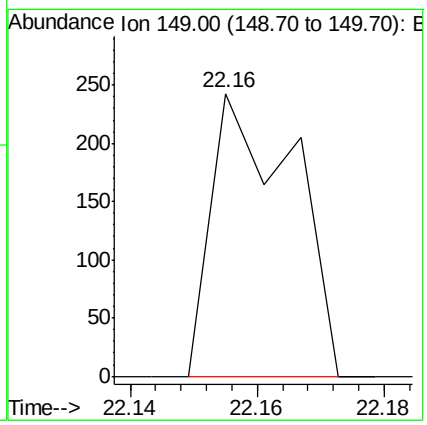
Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.7	37.1#
229	46.3	17.0	25.6#

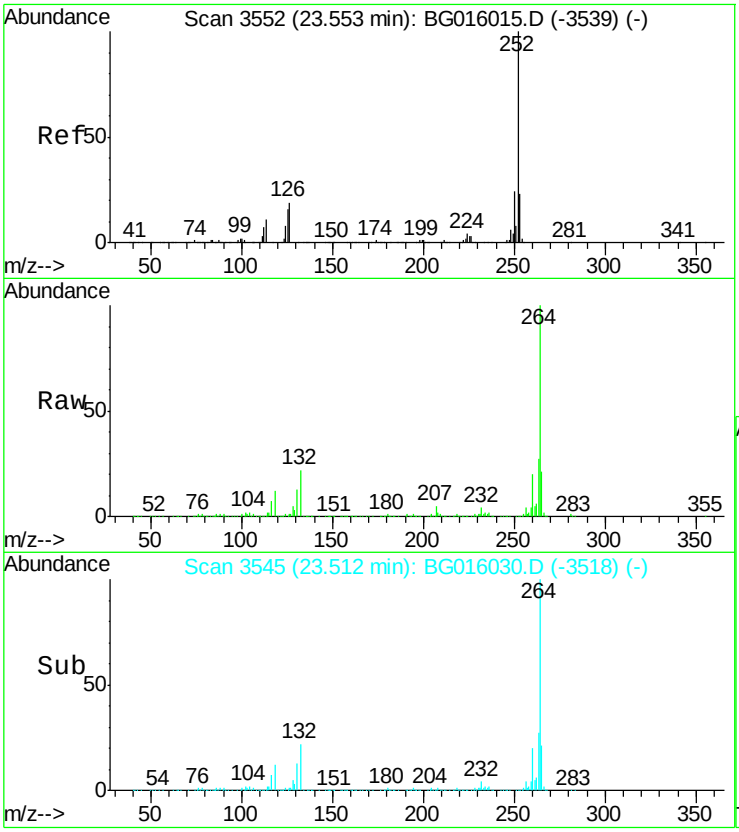




#84
Di-n-octyl phthalate
Concen: 0.01 ng/ul
RT: 22.16 min Scan# 3314
Delta R.T. -0.01 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:149 Resp: 216

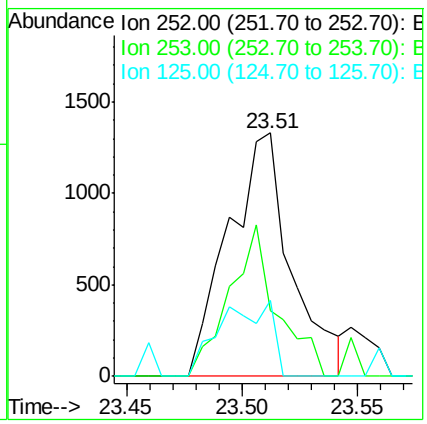


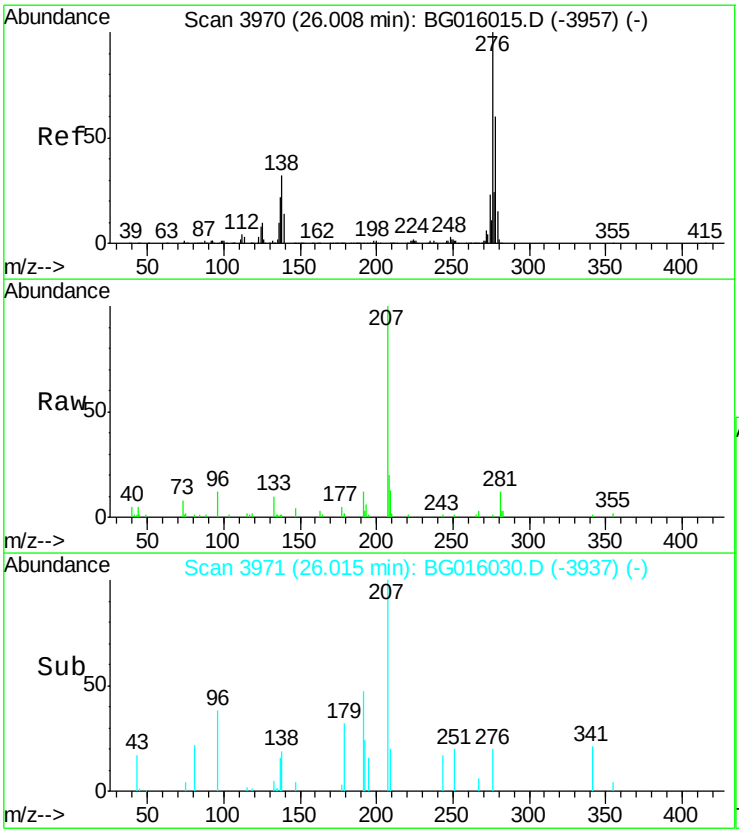


#88
Benzo(a)pyrene
Concen: 0.08 ng/ul
RT: 23.51 min Scan# 3545
Delta R.T. -0.04 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:252 Resp: 2513

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	31.4	13.2	19.8#

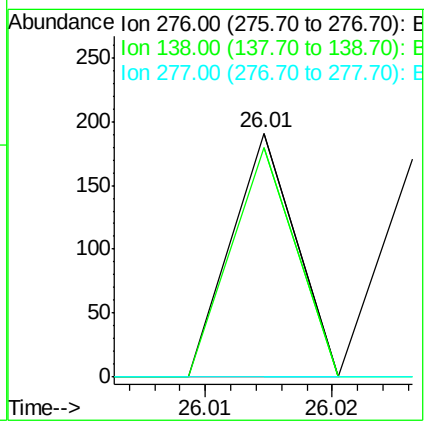


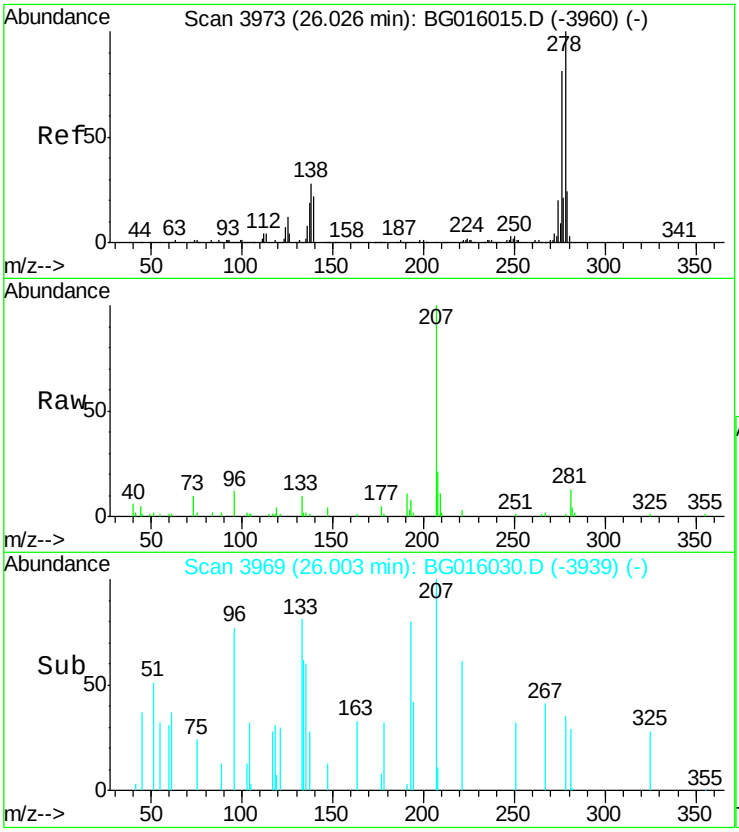


#89
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 26.01 min Scan# 3971
Delta R.T. -0.00 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:276 Resp: 67

Ion	Ratio	Lower	Upper
276	100		
138	94.2	26.2	39.4#
277	0.0	21.0	31.6#

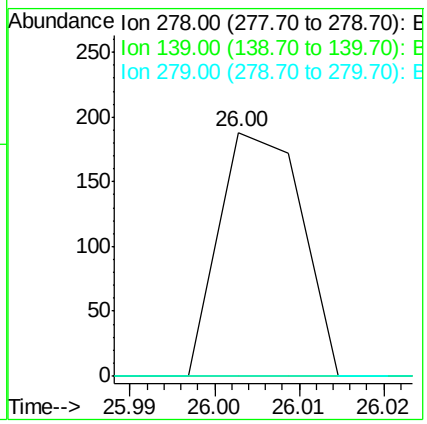


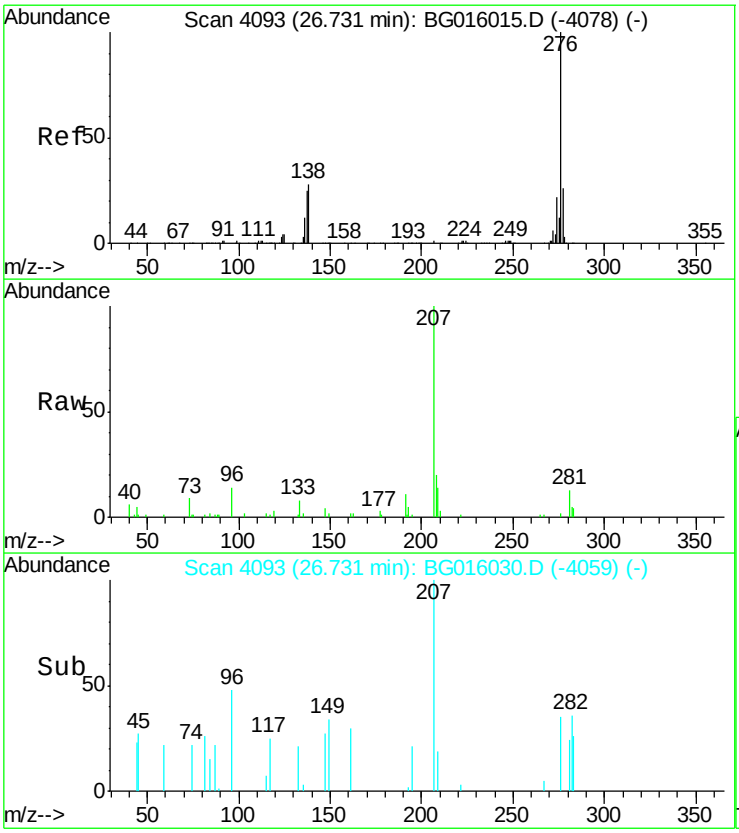


#90
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 26.00 min Scan# 3969
Delta R.T. -0.02 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:278 Resp: 127

Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.4#
279	0.0	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.73 min Scan# 4093
Delta R.T. -0.00 min
Lab File: BG016030.D
Acq: 20 Feb 2015 9:49

Tgt Ion:276 Resp: 282

Ion	Ratio	Lower	Upper
276	100		
138	0.0	23.0	34.4#
277	0.0	20.0	30.0#