Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG113016\
Data File : BG024948.D
Acq On : 30 Nov 2016 16:22
Operator : UM/SJ
Sample : H5716-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WB4

Quant Time: Dec 01 01:12:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 01 01:03:36 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	83811	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	353207	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	298238	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	1148079	20.00	ng/ul	0.10
75) Chrysene-d12	21.90	240	937257	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	914587	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	11565	7.13	ng/uL	0.00
5) Phenol-d5	7.39	99	244371	33.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	155239	34.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	174250	34.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	213955	35.41	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	91343	36.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	112809	36.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	222534	37.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	114215	19.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	788132	38.42	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	850179	37.84	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	150931	42.81	ng/ul	0.00
57) Fluorene-d10	15.85	176	692040	35.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	167244	23.56	ng/ul	0.00
70) Anthracene-d10	17.70	188	1147751	23.69	ng/ul	0.00
76) Pyrene-d10	19.98	212	1487234	38.52	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1585768	42.79	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.39	77	14803	2.72	ng/ul#	91
10) 2-Chlorophenol	7.80	128	209229	41.16	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.77	45	565327	61.22	ng/ul	96
14) Acetophenone	9.07	105	375045	40.79	ng/ul	93
17) Hexachloroethane	9.34	117	46702	20.74	ng/ul	86
20) Nitrobenzene	9.47	77	487992	63.49	ng/ul	96
23) 2-Nitrophenol	10.18	139	168731	53.35	ng/ul	90
27) 2,4-Dichlorophenol	10.71	162	152111	26.12	ng/ul	95
28) Naphthalene	11.12	128	288970	17.60	ng/ul	97
30) 4-Chloroaniline	11.24	127	8019	1.33	ng/ul#	78
33) 4-Chloro-3-methylphenol	12.33	107	383408	53.42	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	202612	22.54	ng/ul#	90
38) 2,4,6-Trichlorophenol	13.30	196	198077	35.08	ng/ul	86
39) 2,4,5-Trichlorophenol	13.30	196	198077	32.00	ng/ul	92
40) 1,1'-Biphenyl	13.70	154	797575	44.11	ng/ul	98
42) 2-Nitroaniline	13.96	65	332309	58.98	ng/ul	100
44) Dimethylphthalate	14.35	163	42116	2.09	ng/ul#	91
45) 2,6-Dinitrotoluene	14.44	165	199349	46.02	ng/ul#	94
47) Acenaphthylene	14.60	152	1211509	55.46	ng/ul	98
49) Acenaphthene	14.93	153	80998	5.41	ng/ul	95
52) 4-Nitrophenol	15.07	109	317646	74.91	ng/ul	93
53) Dibenzofuran	15.26	168	525368	22.19	ng/ul	93
54) 2,4-Dinitrotoluene	15.22	165	363188	55.63	ng/ul#	87

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG113016\
Data File : BG024948.D
Acq On : 30 Nov 2016 16:22
Operator : UM/SJ
Sample : H5716-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WB4

Quant Time: Dec 01 01:12:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 01 01:03:36 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Diethylphthalate	15.66	149	1105158	51.77	ng/ul	96
58) Fluorene	15.91	166	182582	9.47	ng/ul	96
64) N-Nitrosodiphenylamine	16.11	169	1019334	34.51	ng/ul	96
66) Hexachlorobenzene	16.91	284	415091	28.43	ng/ul	95
68) Pentachlorophenol	17.25	266	281077	32.06	ng/ul	92
69) Phenanthrene	17.65	178	1219370	22.25	ng/ul	100
73) Di-n-butylphthalate	18.53	149	1665862	28.07	ng/ul	98
77) Pyrene	20.01	202	861201	19.11	ng/ul#	97
79) 3,3'-Dichlorobenzidine	21.79	252	47313	2.90	ng/ul	93
80) Benzo(a)anthracene	21.88	228	2162480	44.41	ng/ul	95
82) Chrysene	21.88	228	2162480	47.48	ng/ul	98
84) Di-n-octyl phthalate	23.00	149	1361530	36.67	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1776129	39.16	ng/ul	98
86) Benzo(k)fluoranthene	24.21	252	1776129	41.20	ng/ul	100
88) Benzo(a)pyrene	25.15	252	1047324	24.02	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.31	276	625230	11.54	ng/ul#	80
90) Dibenzo(a,h)anthracene	29.31	278	2556153	55.98	ng/ul	95
91) Benzo(g,h,i)perylene	30.46	276	1354522	29.95	ng/ul	96

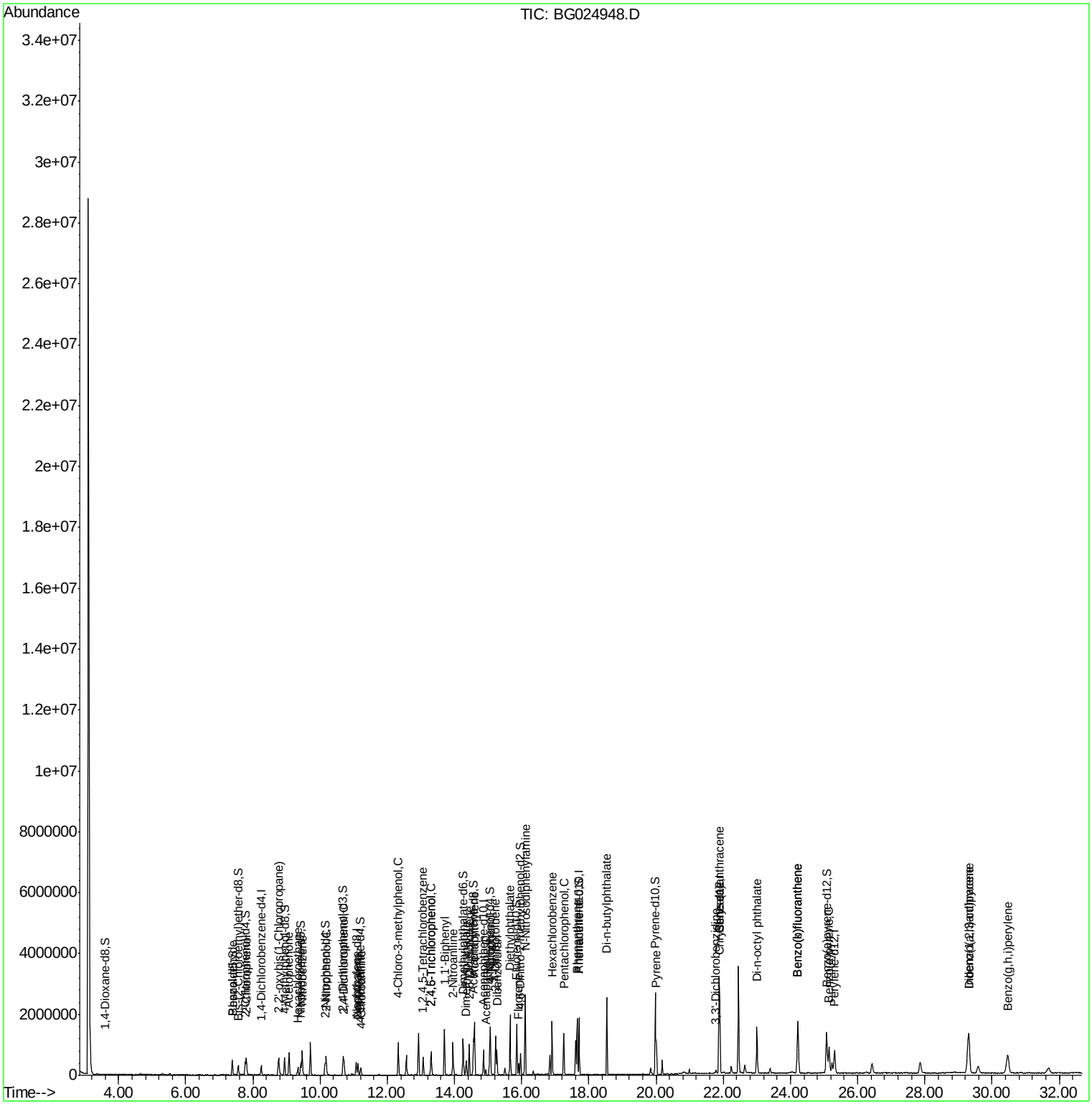
(#) = qualifier out of range (m) = manual integration (+) = signals summed

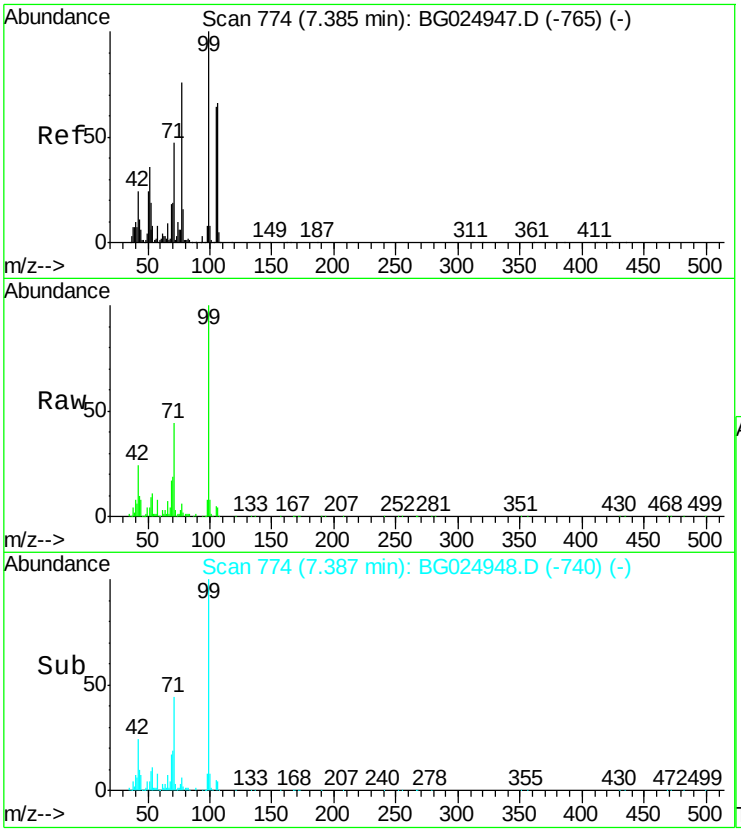
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG113016\
Data File : BG024948.D
Acq On : 30 Nov 2016 16:22
Operator : UM/SJ
Sample : H5716-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WB4

Quant Time: Dec 01 01:12:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 01 01:03:36 2016
Response via : Initial Calibration



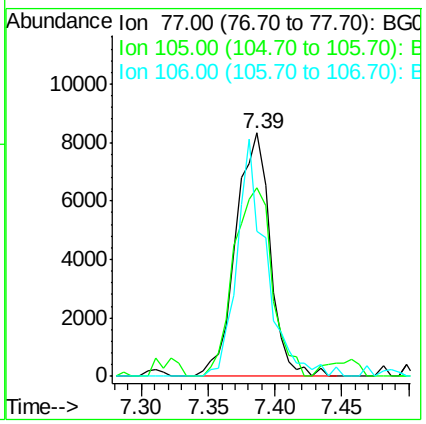


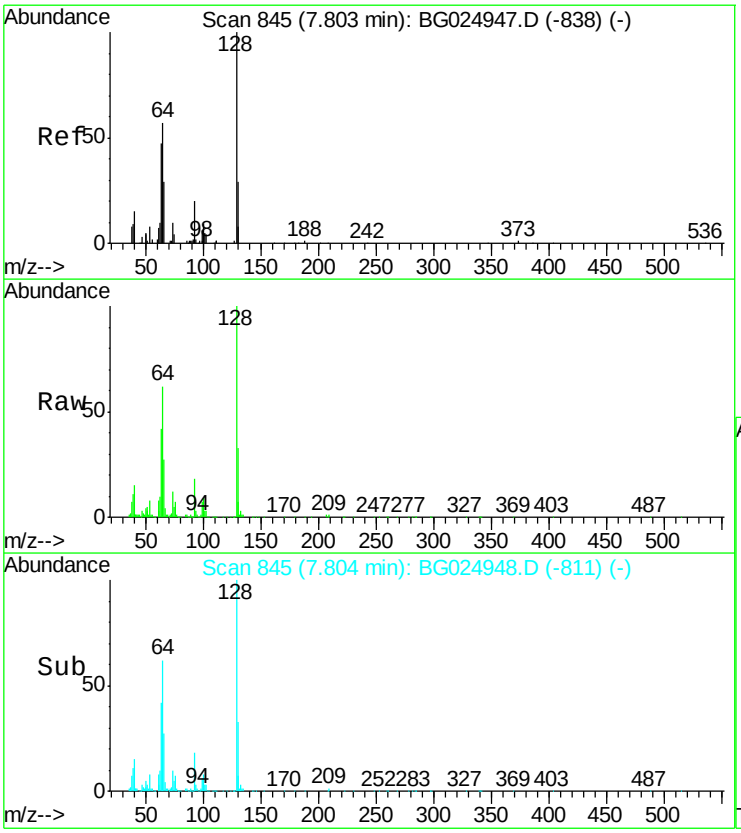
#4
Benzaldehyde
Concen: 2.72 ng/ul
RT: 7.39 min Scan# 774
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion: 77 Resp: 14803

Ion	Ratio	Lower	Upper
77	100		
105	77.4	62.0	93.0
106	59.6	60.2	90.4#

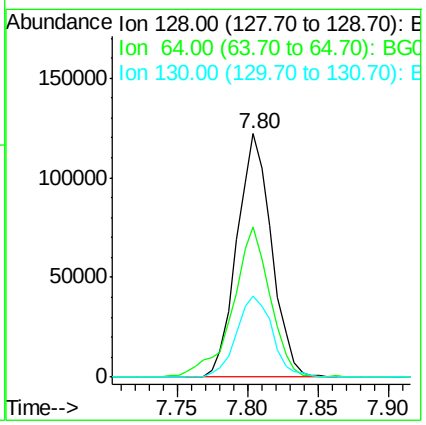


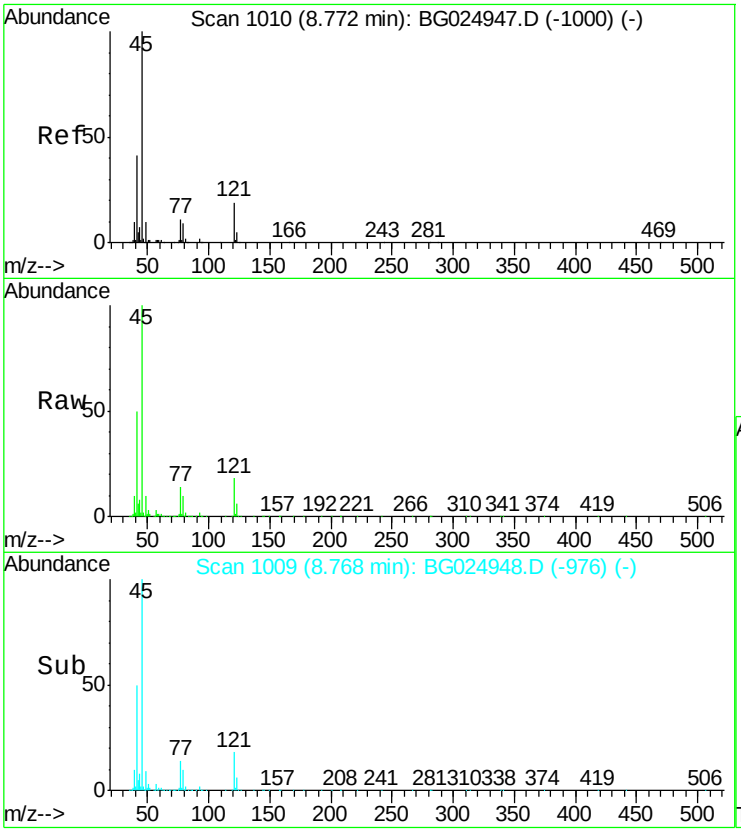


#10
2-Chlorophenol
Concen: 41.16 ng/ul
RT: 7.80 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:128 Resp: 209229

Ion	Ratio	Lower	Upper
128	100		
64	61.9	56.3	84.5
130	33.3	26.7	40.1



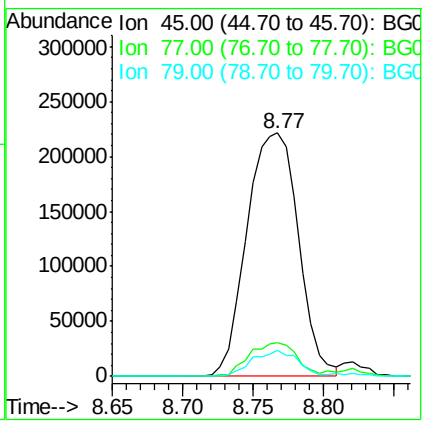


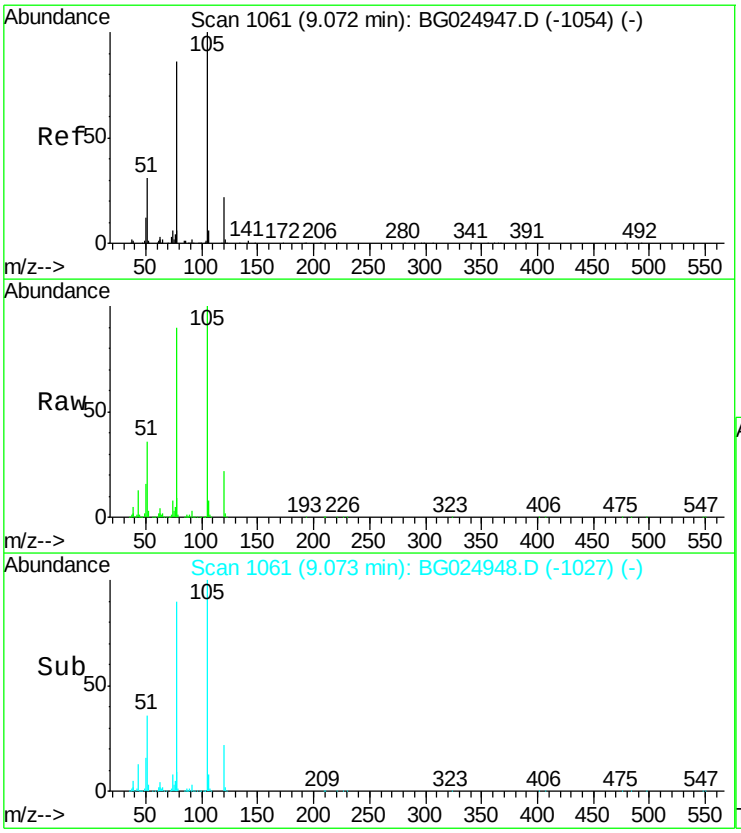
#12
2,2'-oxybis(1-Chloropropane)
Concen: 61.22 ng/ul
RT: 8.77 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion: 45 Resp: 565327

Ion	Ratio	Lower	Upper
45	100		
77	14.1	10.0	15.0
79	10.5	7.3	10.9

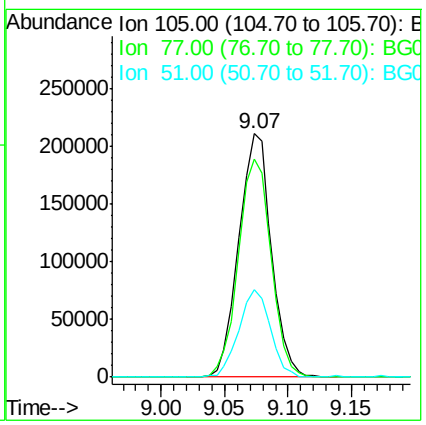


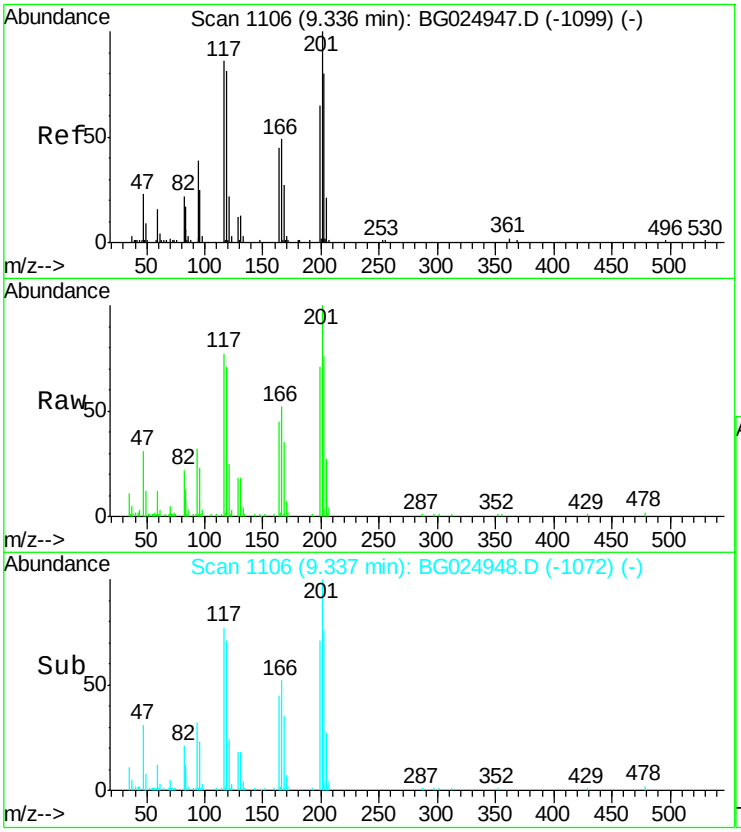


#14
Acetophenone
Concen: 40.79 ng/ul
RT: 9.07 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:105 Resp: 375045

Ion	Ratio	Lower	Upper
105	100		
77	89.7	76.0	114.0
51	35.9	34.8	52.2



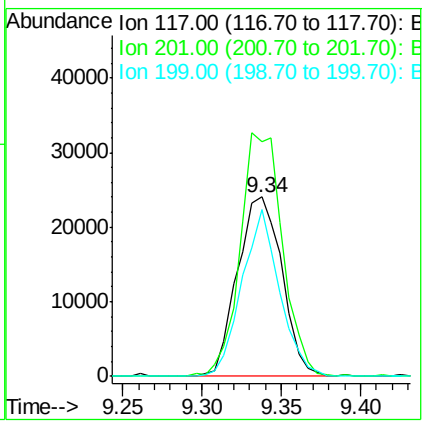


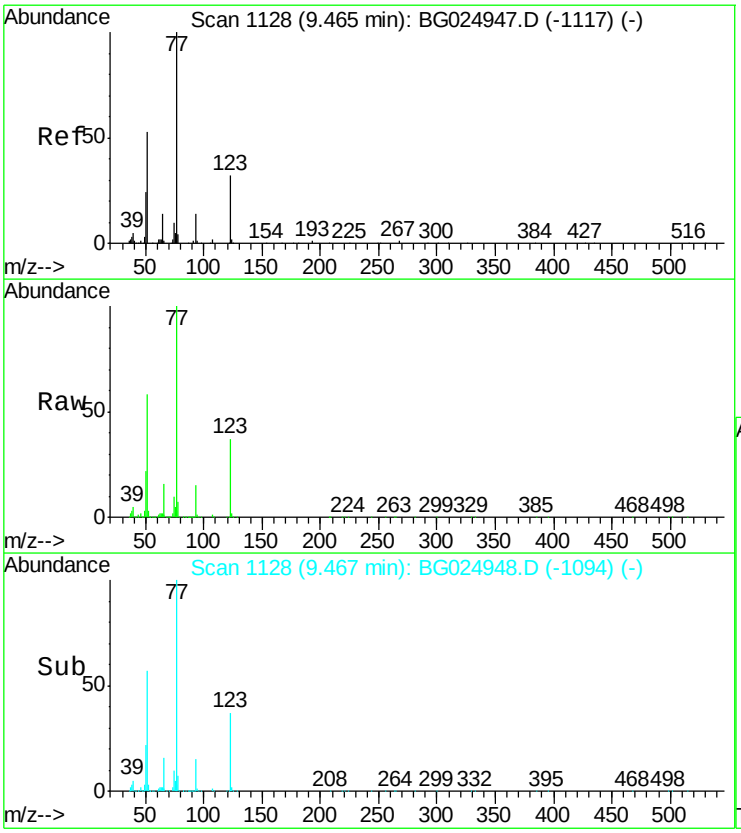
#17
Hexachloroethane
Concen: 20.74 ng/ul
RT: 9.34 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:117 Resp: 46702

Ion	Ratio	Lower	Upper
117	100		
201	130.5	91.9	137.9
199	93.0	64.3	96.5

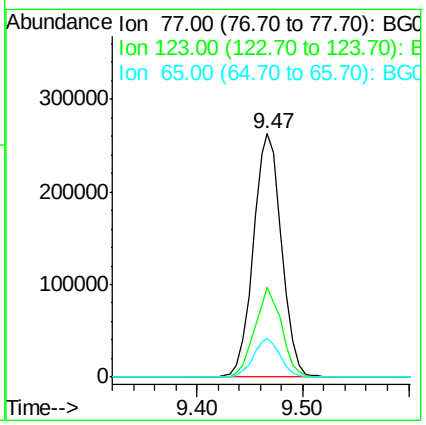


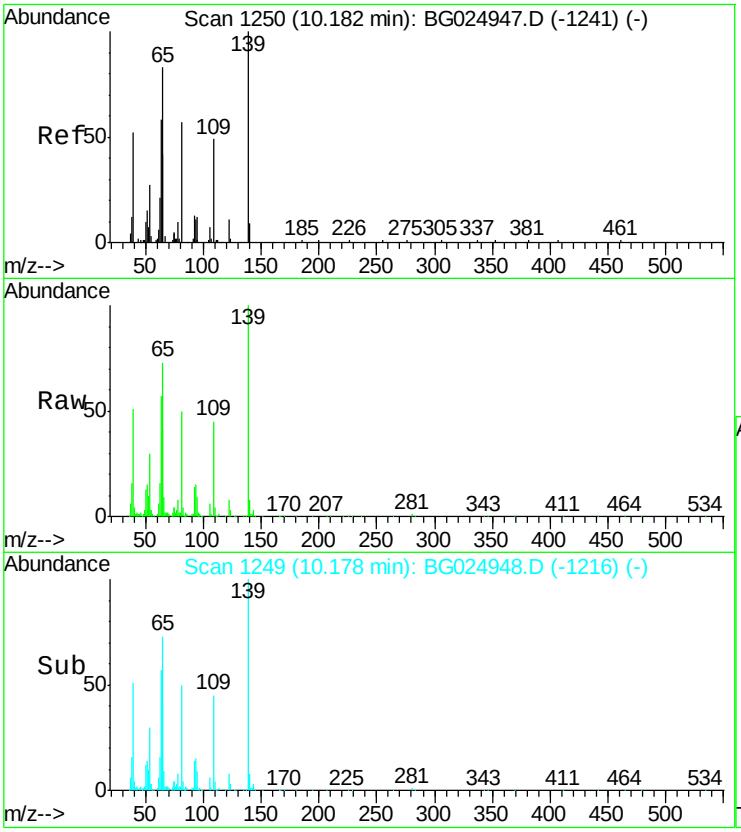


#20
Nitrobenzene
Concen: 63.49 ng/ul
RT: 9.47 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion: 77 Resp: 487992

Ion	Ratio	Lower	Upper
77	100		
123	37.0	27.4	41.0
65	16.0	13.3	19.9



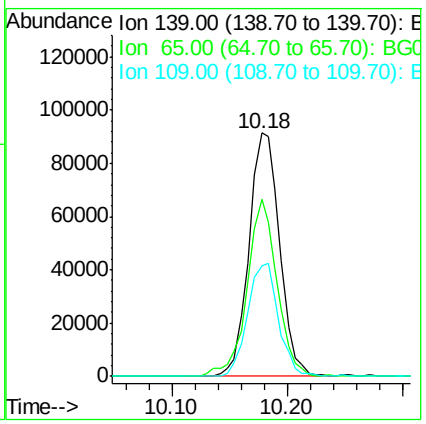


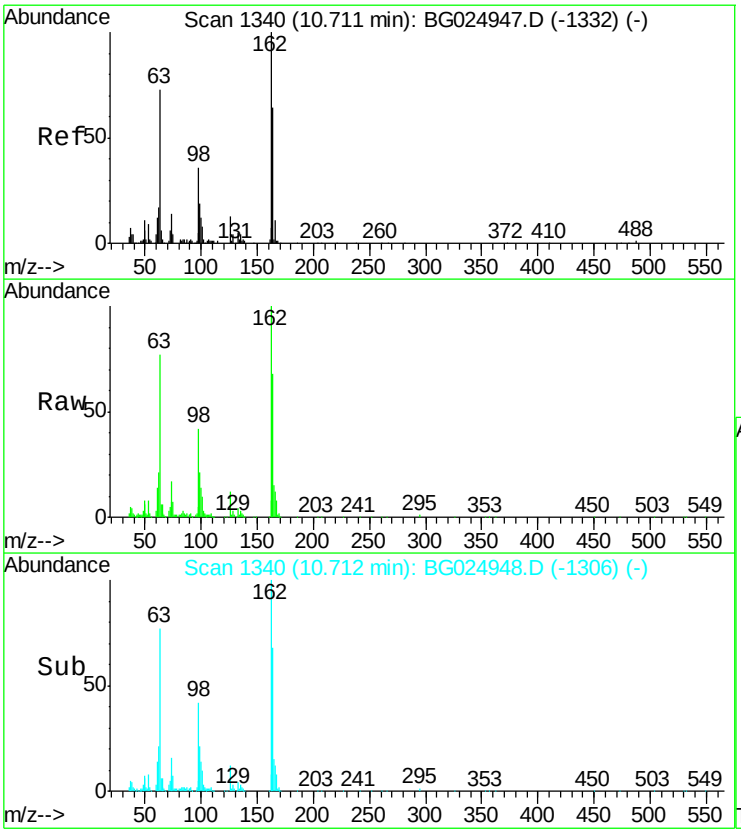
#23
2-Nitrophenol
Concen: 53.35 ng/ul
RT: 10.18 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:139 Resp: 168731

Ion	Ratio	Lower	Upper
139	100		
65	72.7	67.0	100.6
109	45.4	39.6	59.4

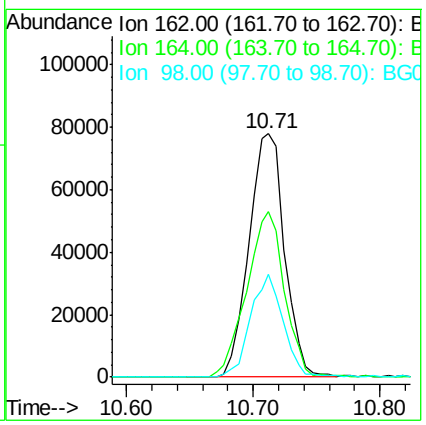


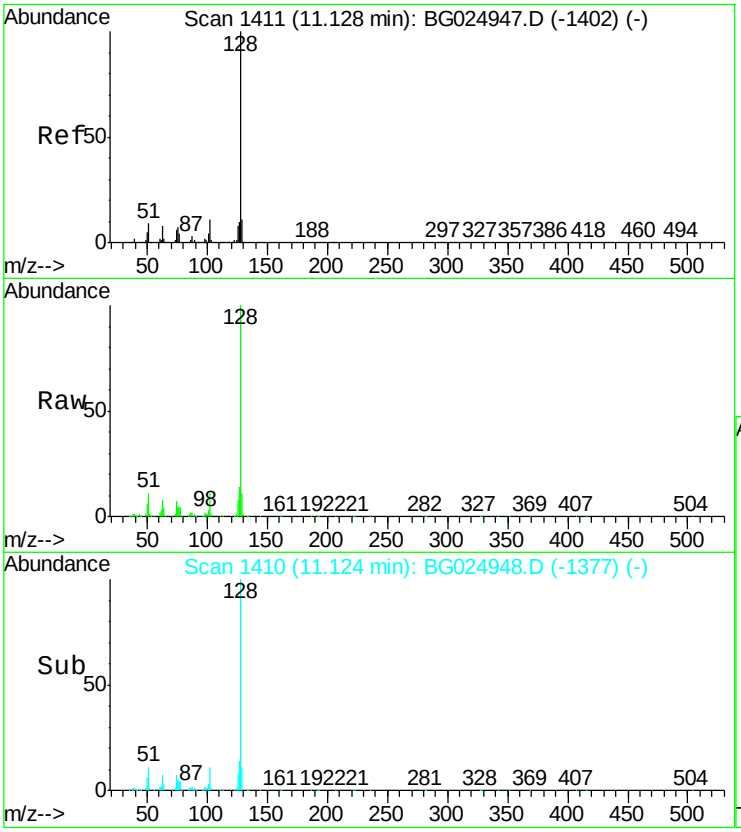


#27
2,4-Dichlorophenol
Concen: 26.12 ng/ul
RT: 10.71 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:162 Resp: 152111

Ion	Ratio	Lower	Upper
162	100		
164	68.0	50.8	76.2
98	42.4	32.1	48.1



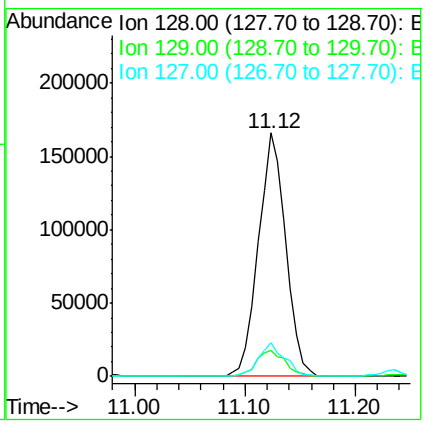


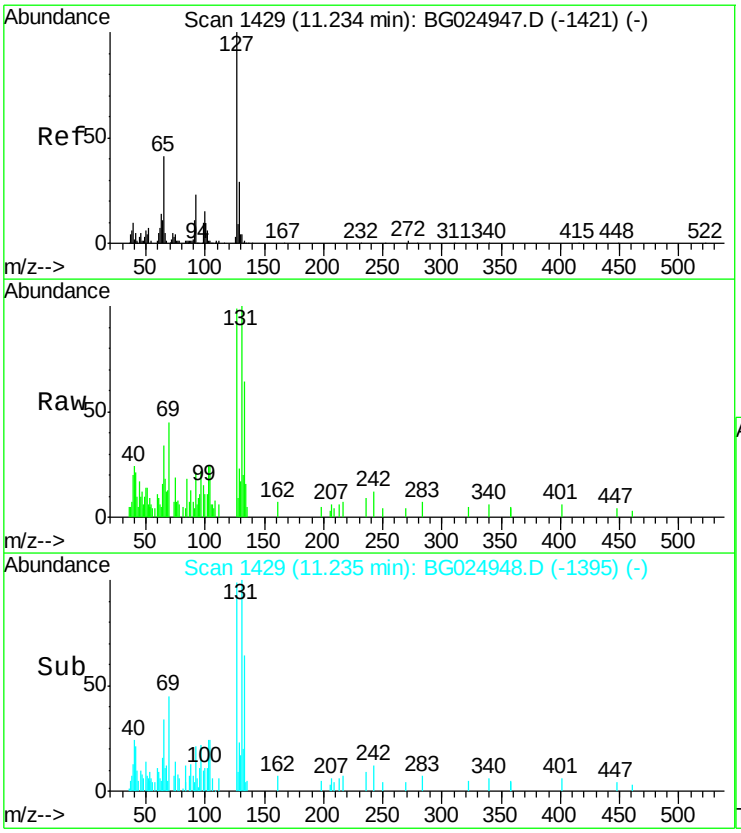
#28
Naphthalene
Concen: 17.60 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:128 Resp: 288970

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.9	10.3	15.5

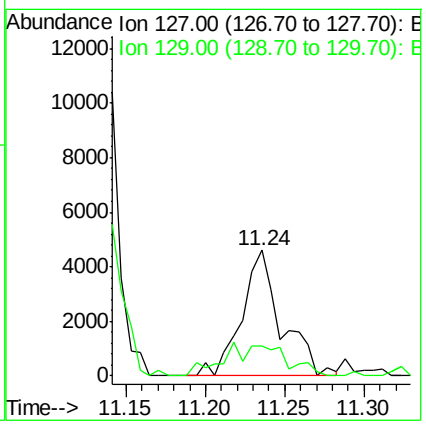


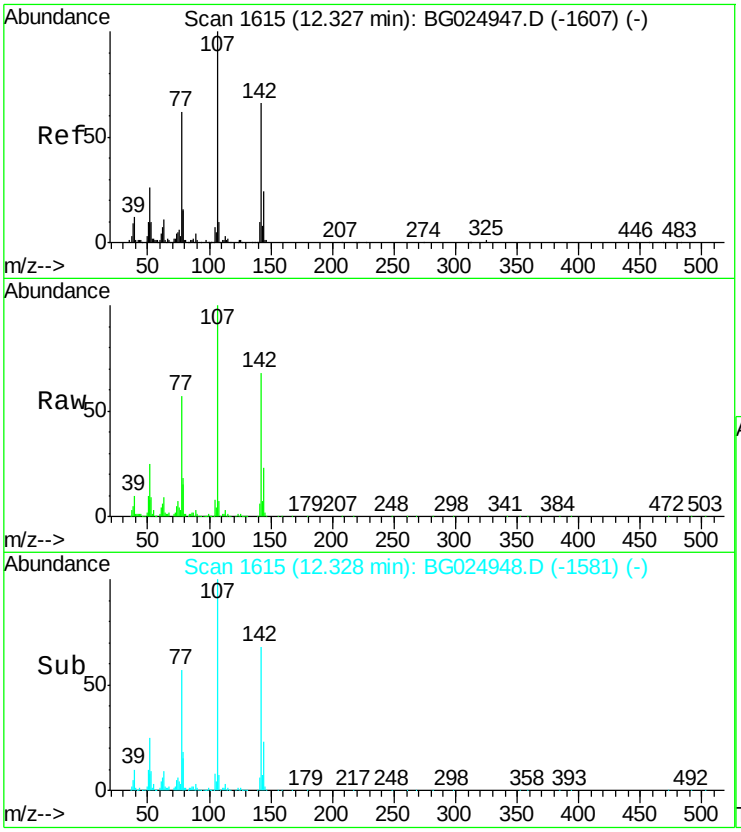


#30
4-Chloroaniline
Concen: 1.33 ng/ul
RT: 11.24 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:127 Resp: 8019

Ion	Ratio	Lower	Upper
127	100		
129	23.4	28.9	43.3#



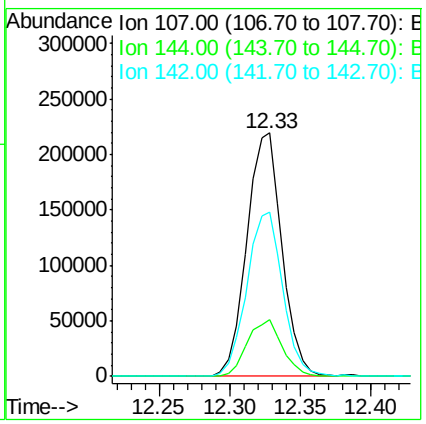


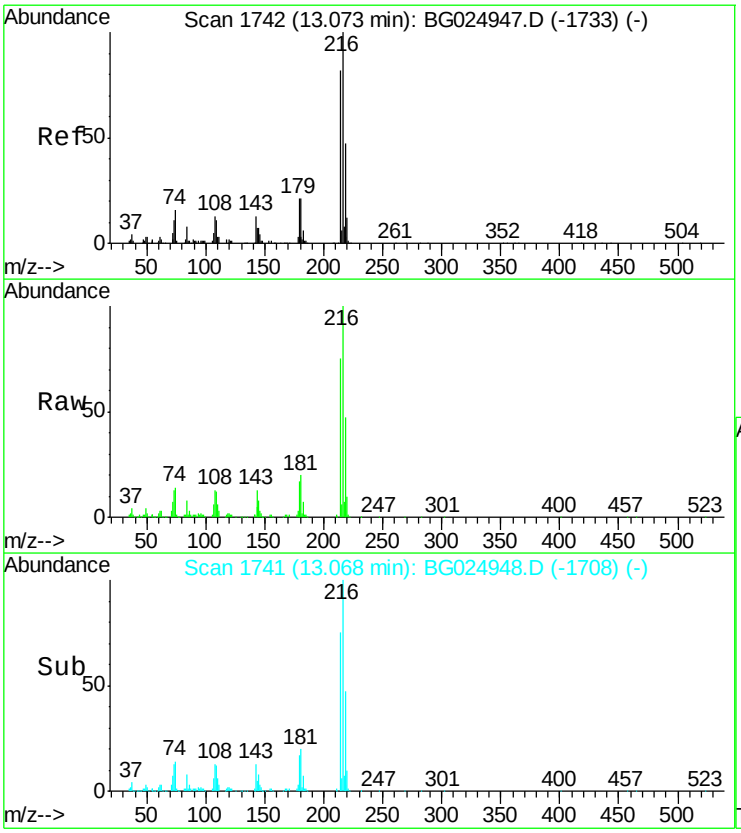
#33
4-Chloro-3-methylphenol
Concen: 53.42 ng/ul
RT: 12.33 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:107 Resp: 383408

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.2	27.4
142	67.5	55.0	82.4

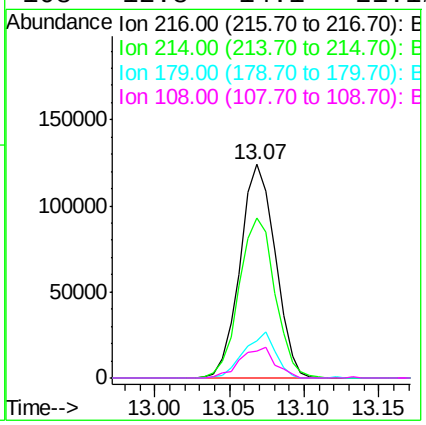


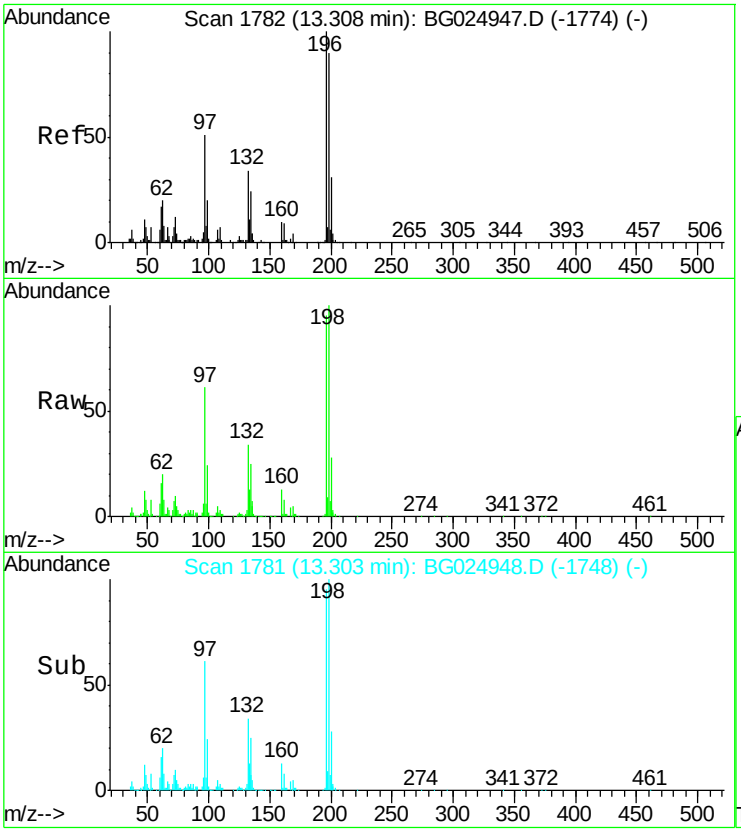


#36
1,2,4,5-Tetrachlorobenzene
Concen: 22.54 ng/ul
RT: 13.07 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:216 Resp: 202612

Ion	Ratio	Lower	Upper
216	100		
214	74.9	67.0	100.6
179	17.2	18.1	27.1#
108	12.8	14.1	21.1#



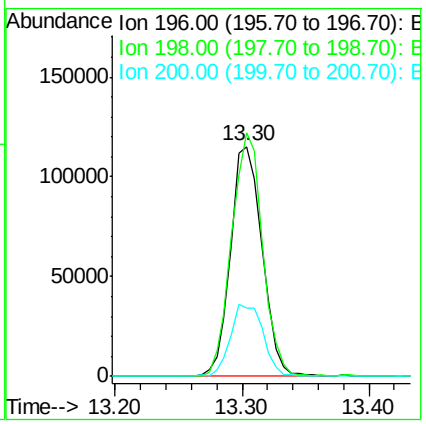


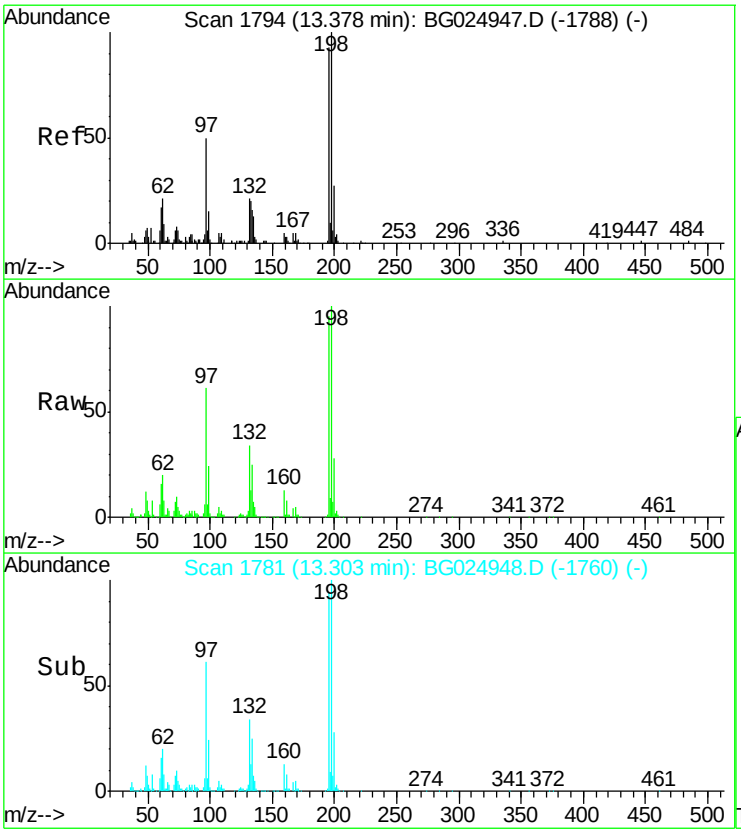
#38
2,4,6-Trichlorophenol
Concen: 35.08 ng/ul
RT: 13.30 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:196 Resp: 198077

Ion	Ratio	Lower	Upper
196	100		
198	105.8	71.4	107.2
200	29.9	24.6	37.0

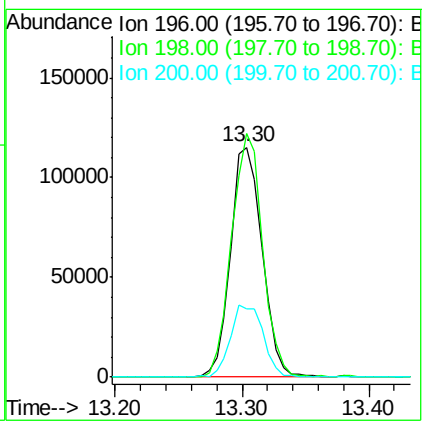


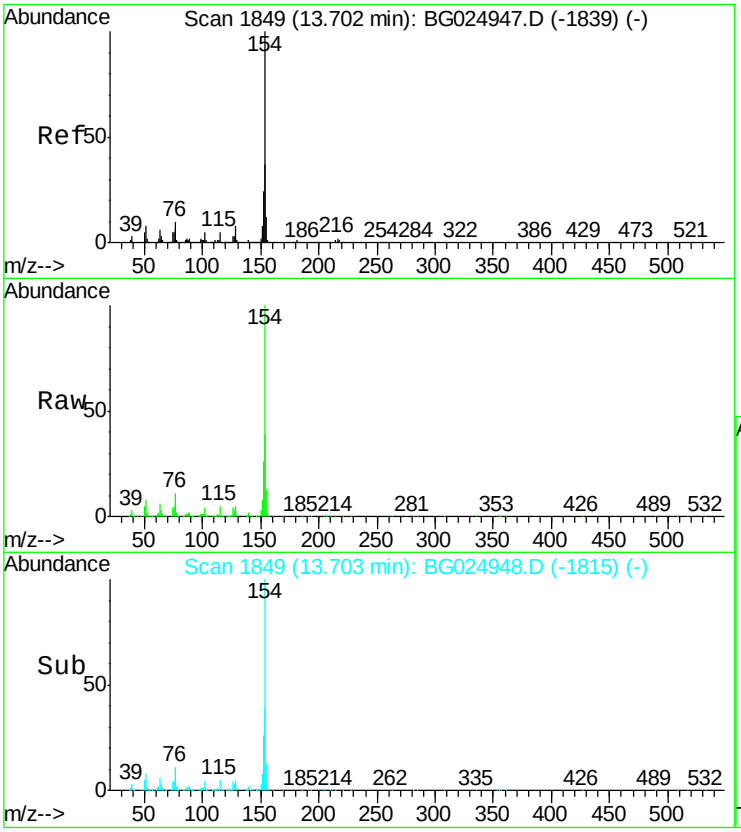


#39
2,4,5-Trichlorophenol
Concen: 32.00 ng/ul
RT: 13.30 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:196 Resp: 198077

Ion	Ratio	Lower	Upper
196	100		
198	105.8	78.6	118.0
200	29.9	27.3	40.9



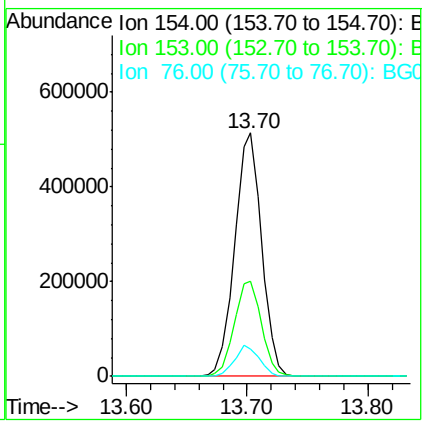


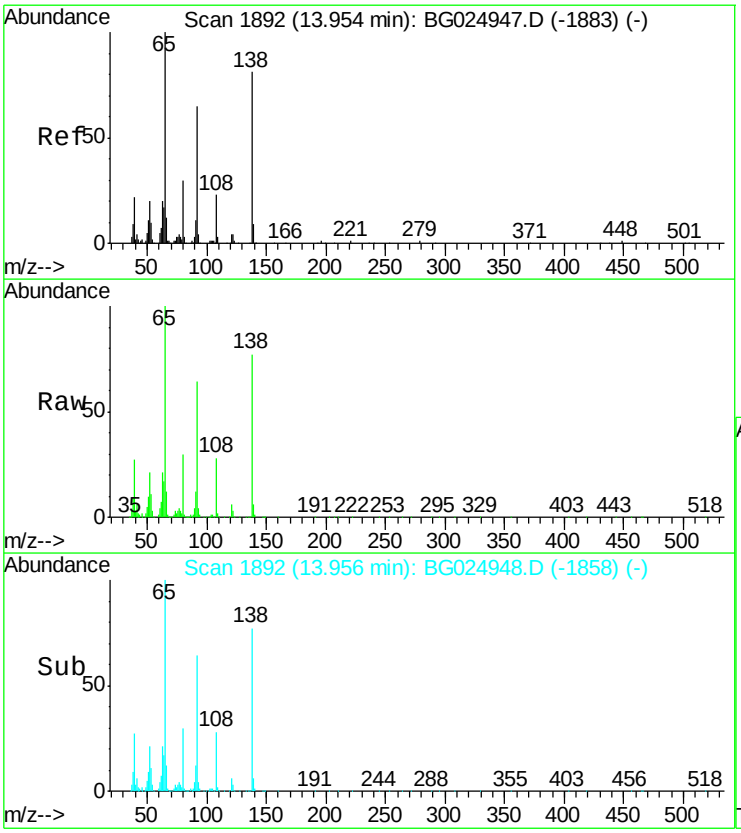
#40
1,1'-Biphenyl
Concen: 44.11 ng/ul
RT: 13.70 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:154 Resp: 797575

Ion	Ratio	Lower	Upper
154	100		
153	39.2	32.2	48.2
76	11.0	9.6	14.4

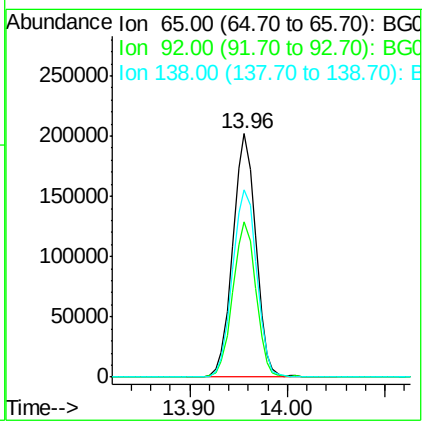


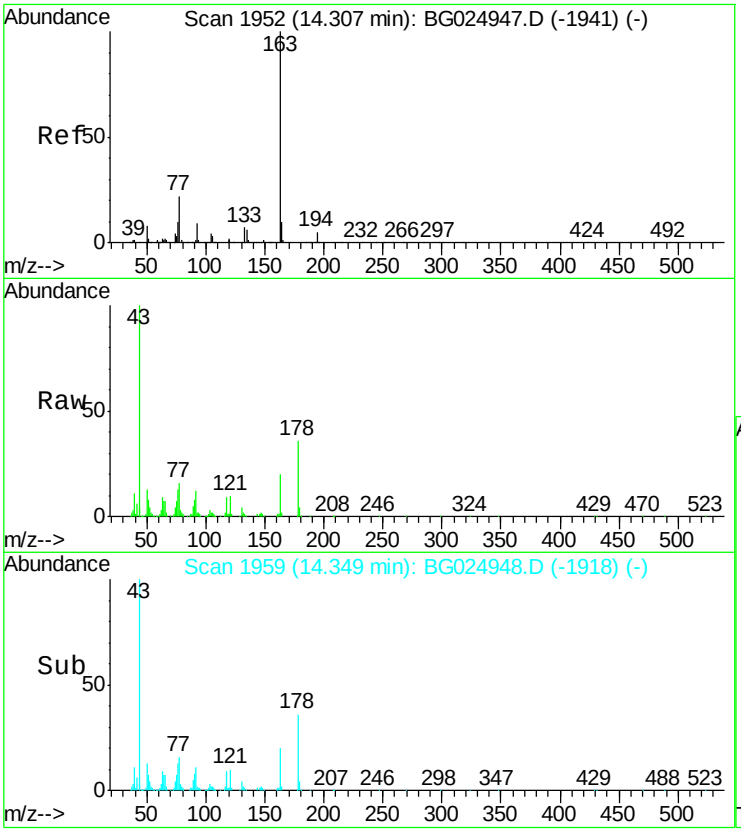


#42
2-Nitroaniline
Concen: 58.98 ng/ul
RT: 13.96 min Scan# 1892
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion: 65 Resp: 332309

Ion	Ratio	Lower	Upper
65	100		
92	63.7	50.9	76.3
138	76.8	61.8	92.6



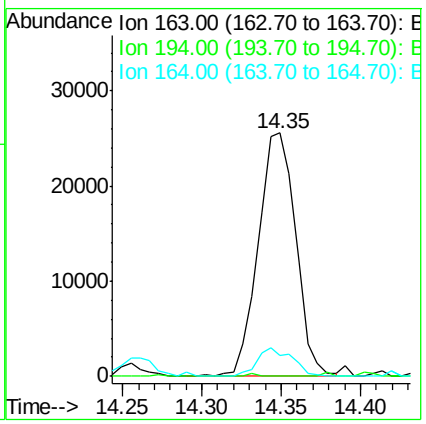


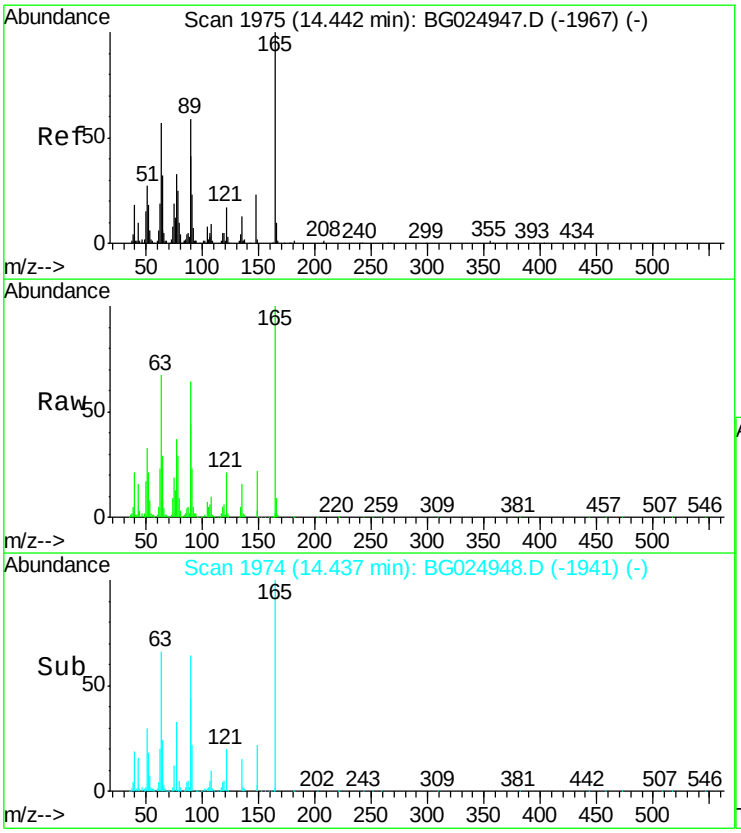
#44
Dimethylphthalate
Concen: 2.09 ng/ul
RT: 14.35 min Scan# 1959
Delta R.T. 0.04 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:163 Resp: 42116

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.0#
164	8.4	9.0	13.4#

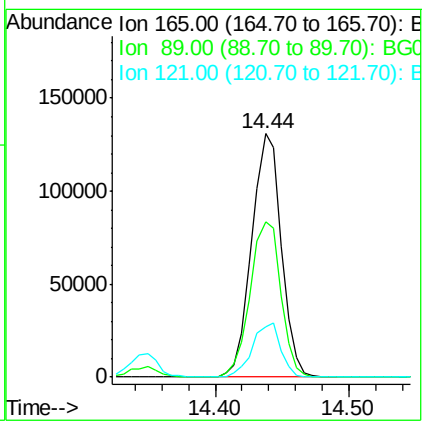


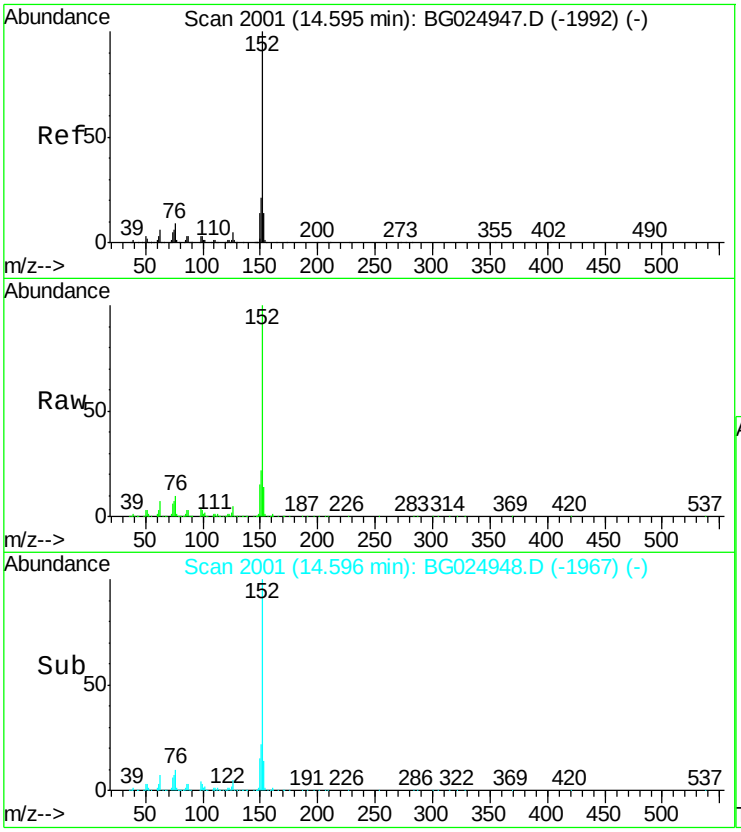


#45
2,6-Dinitrotoluene
Concen: 46.02 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:165 Resp: 199349

Ion	Ratio	Lower	Upper
165	100		
89	64.0	52.9	79.3
121	20.9	22.2	33.4#



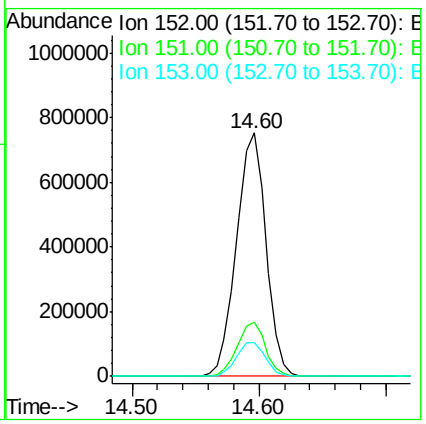


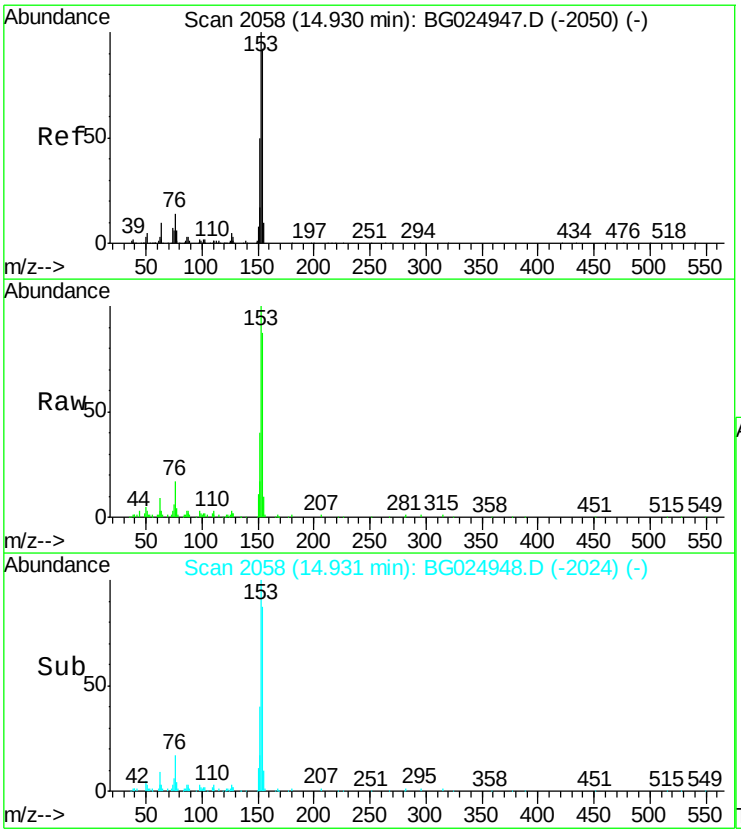
#47
Acenaphthylene
Concen: 55.46 ng/ul
RT: 14.60 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:152 Resp: 1211509

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.7	25.1
153	14.0	11.4	17.2

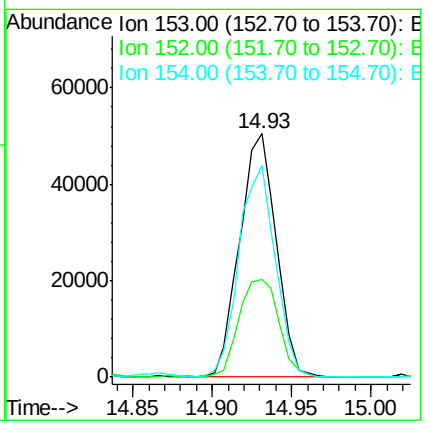


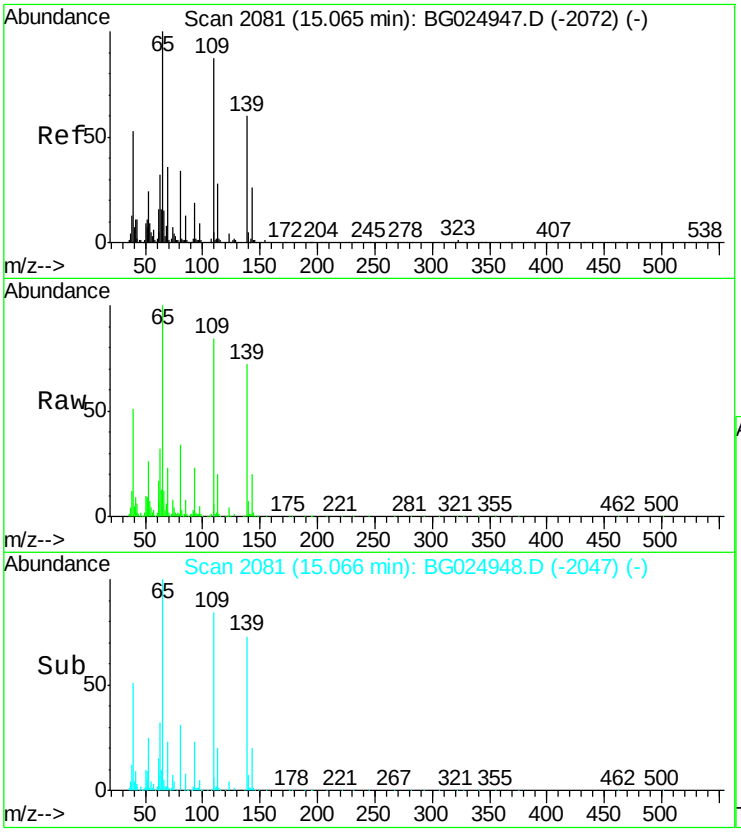


#49
Acenaphthene
Concen: 5.41 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:153 Resp: 80998

Ion	Ratio	Lower	Upper
153	100		
152	40.4	36.5	54.7
154	86.8	72.3	108.5



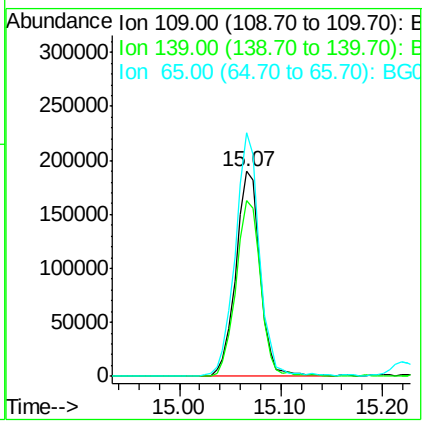


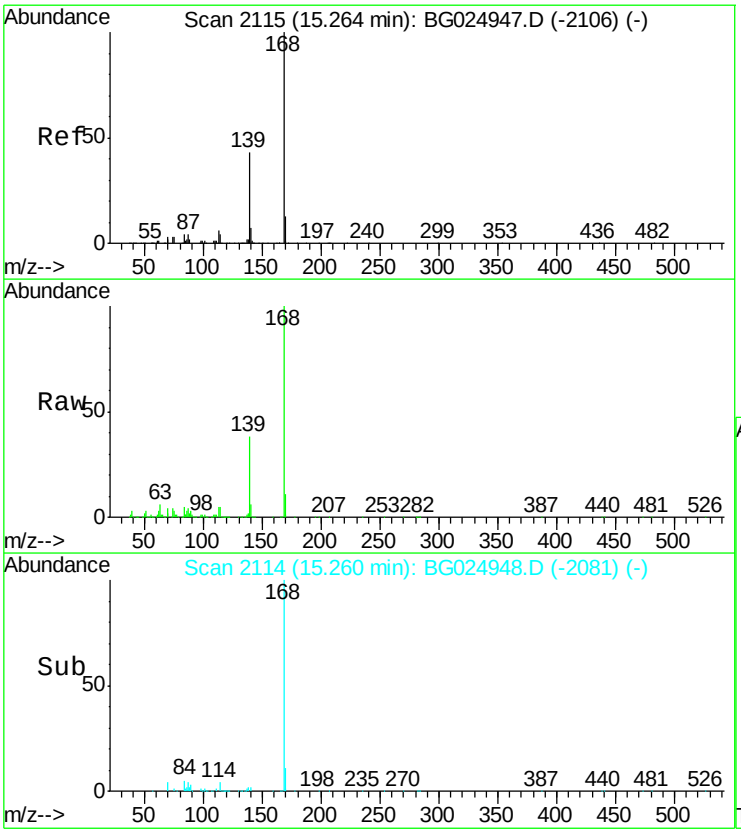
#52
4-Nitrophenol
Concen: 74.91 ng/ul
RT: 15.07 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:109 Resp: 317646

Ion	Ratio	Lower	Upper
109	100		
139	86.0	62.6	93.8
65	119.0	90.4	135.6

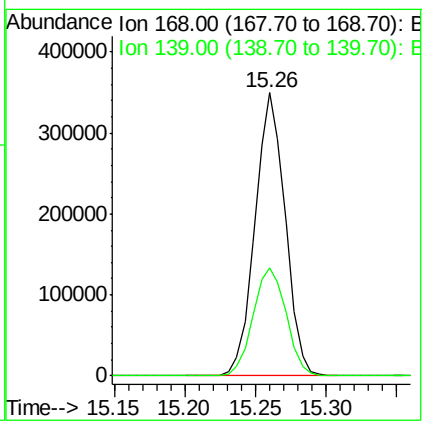


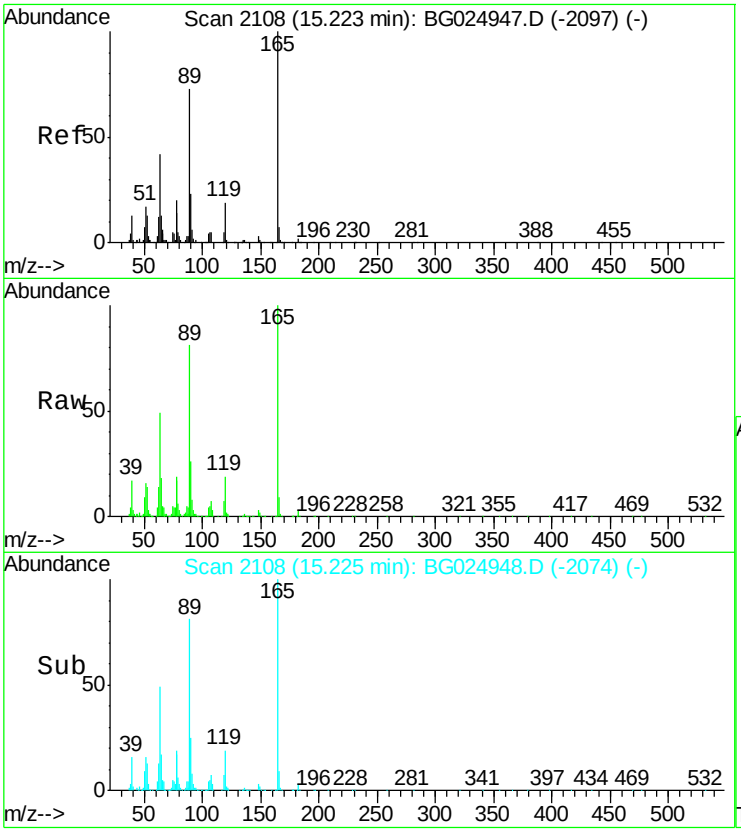


#53
Dibenzofuran
Concen: 22.19 ng/ul
RT: 15.26 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:168 Resp: 525368

Ion	Ratio	Lower	Upper
168	100		
139	38.1	33.8	50.8



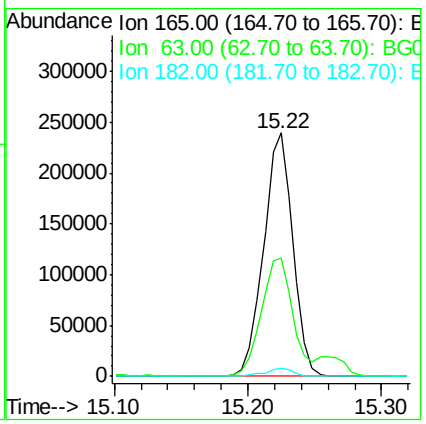


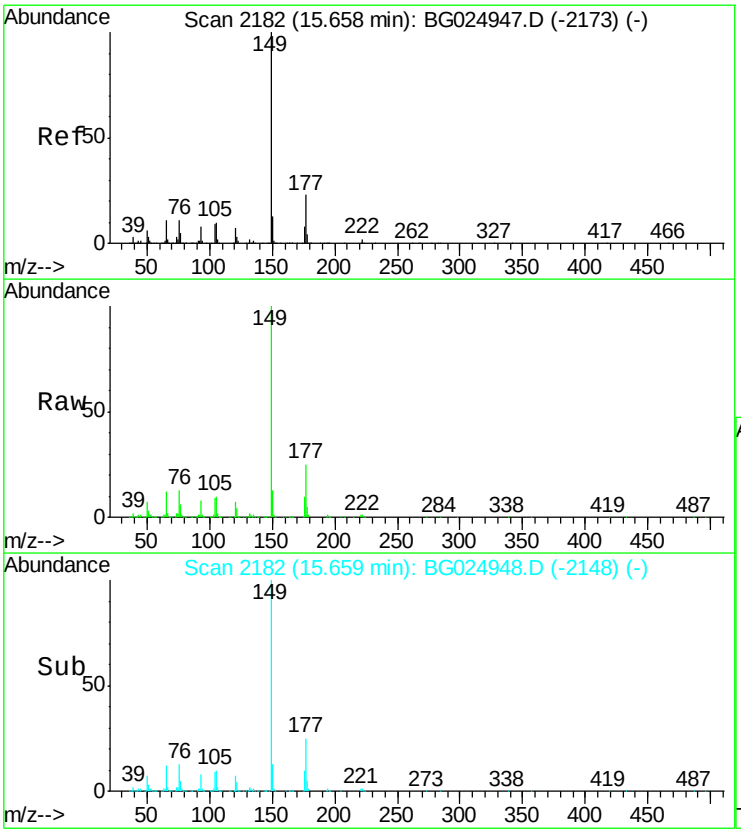
#54
2,4-Dinitrotoluene
Concen: 55.63 ng/ul
RT: 15.22 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:165 Resp: 363188

Ion	Ratio	Lower	Upper
165	100		
63	48.7	46.8	70.2
182	3.2	1.8	2.6#

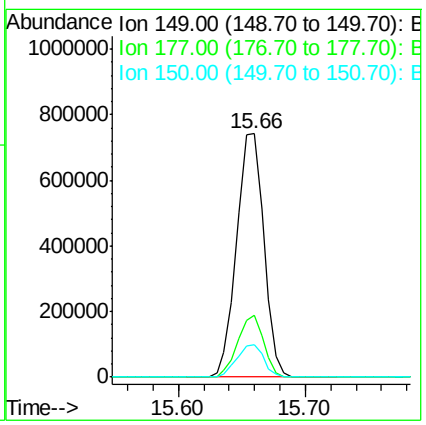


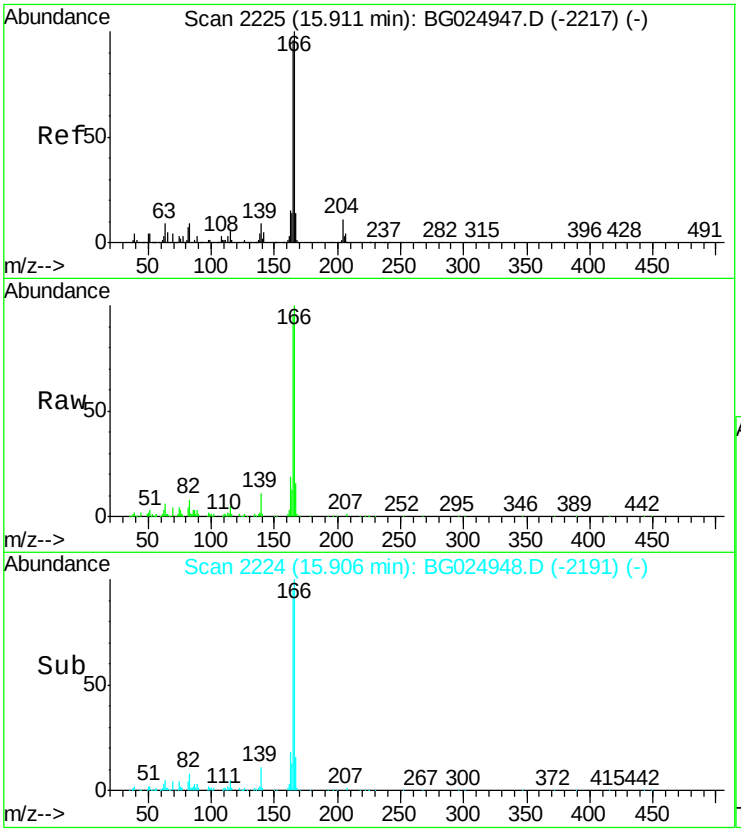


#56
Diethylphthalate
Concen: 51.77 ng/ul
RT: 15.66 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:149 Resp: 1105158

Ion	Ratio	Lower	Upper
149	100		
177	25.4	17.8	26.8
150	13.2	10.2	15.4



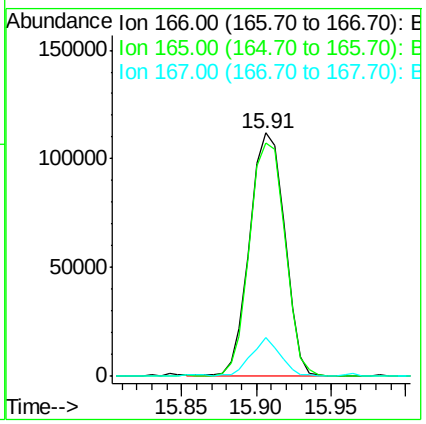


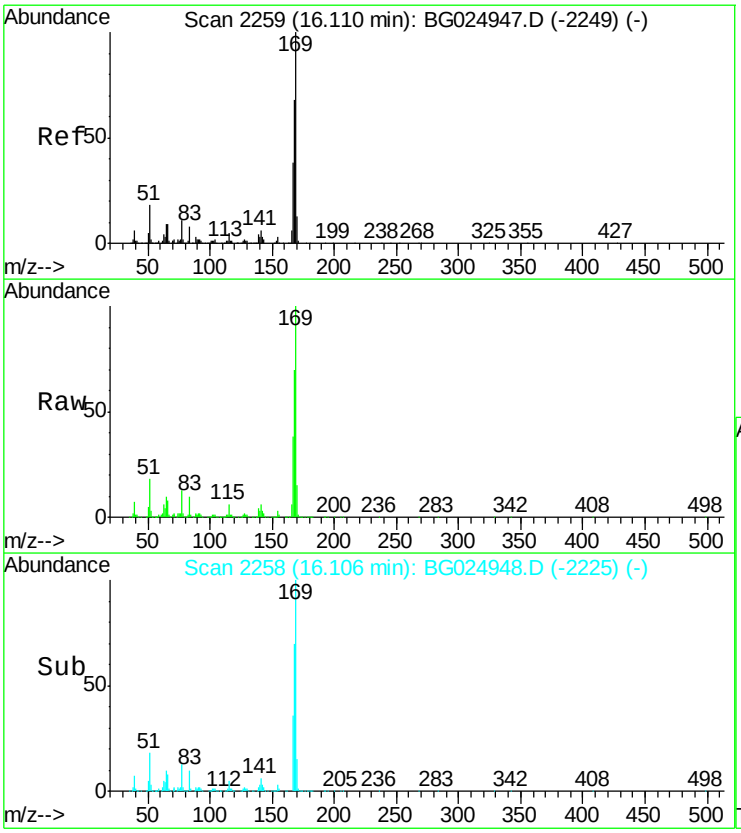
#58
Fluorene
Concen: 9.47 ng/ul
RT: 15.91 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:166 Resp: 182582

Ion	Ratio	Lower	Upper
166	100		
165	96.0	79.7	119.5
167	16.1	11.4	17.2

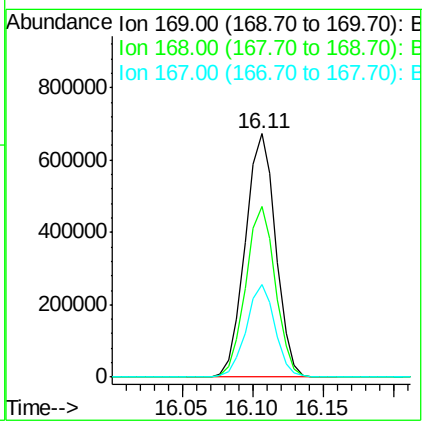


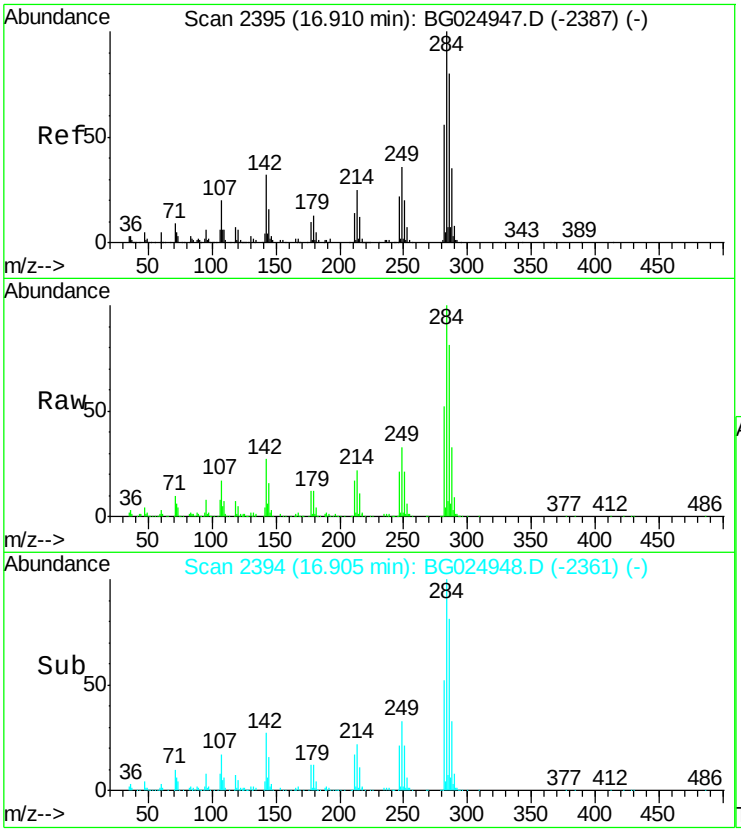


#64
N-Nitrosodiphenylamine
Concen: 34.51 ng/ul
RT: 16.11 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:169 Resp: 1019334

Ion	Ratio	Lower	Upper
169	100		
168	69.9	59.1	88.7
167	38.1	29.7	44.5



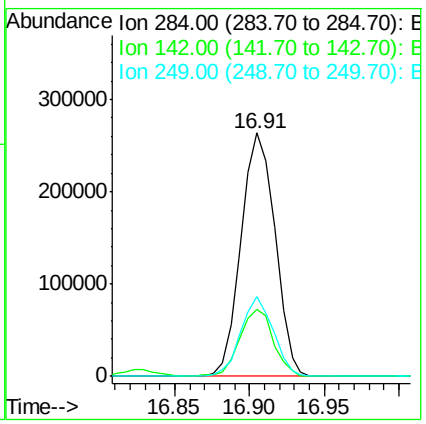


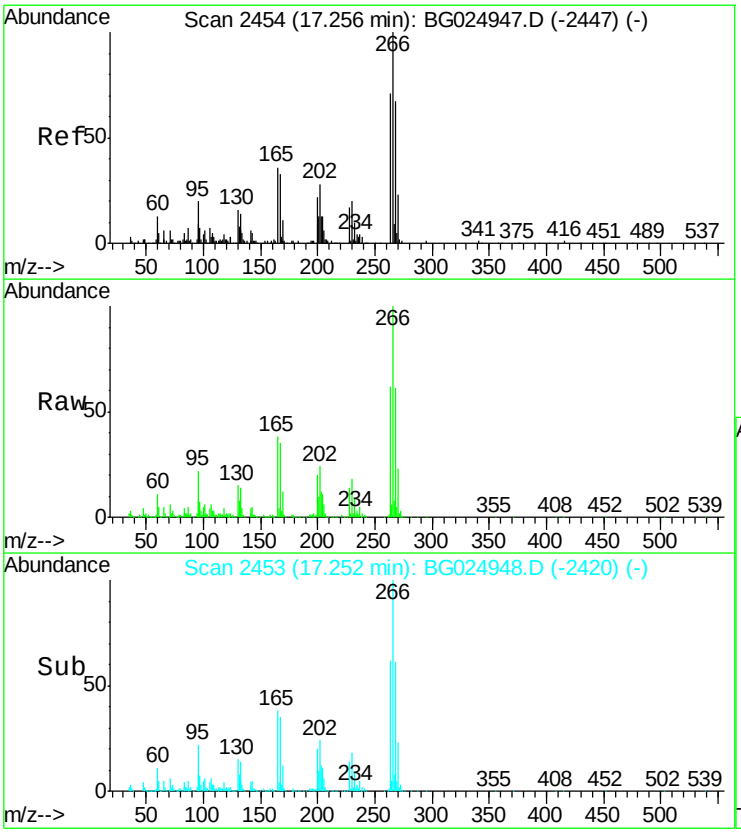
#66
Hexachlorobenzene
Concen: 28.43 ng/ul
RT: 16.91 min Scan# 2394
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:284 Resp: 415091

Ion	Ratio	Lower	Upper
284	100		
142	27.5	26.1	39.1
249	33.0	25.9	38.9

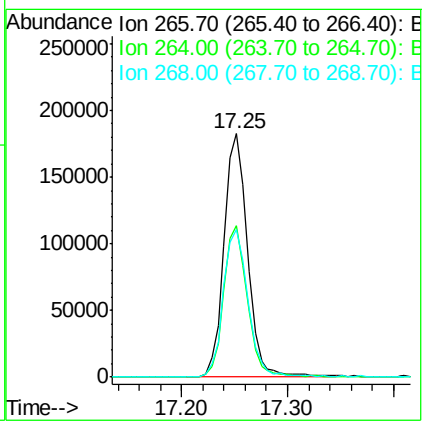


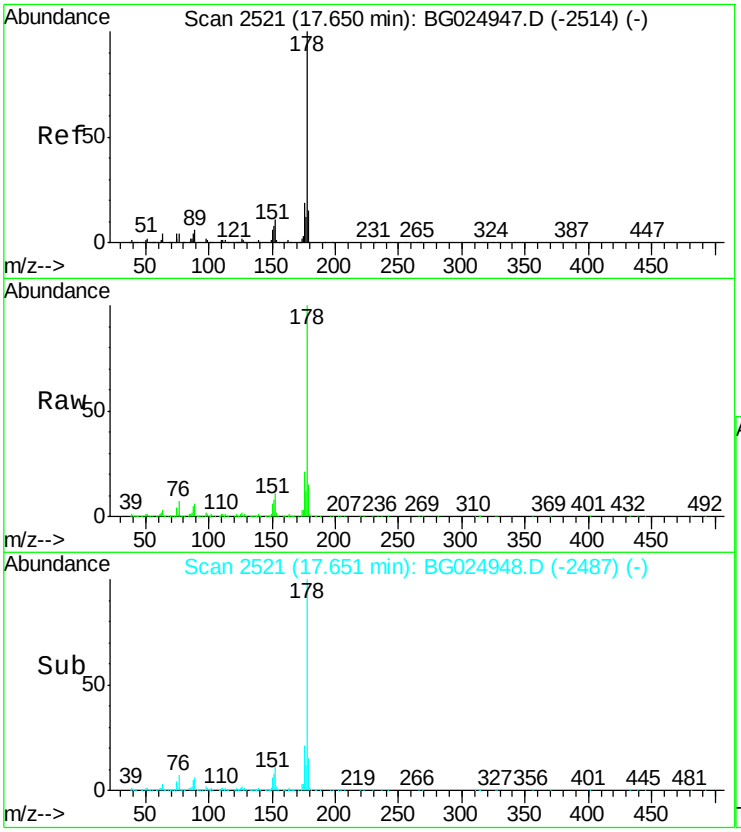


#68
Pentachlorophenol
Concen: 32.06 ng/ul
RT: 17.25 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:266 Resp: 281077

Ion	Ratio	Lower	Upper
266	100		
264	62.3	47.1	70.7
268	60.6	56.2	84.4



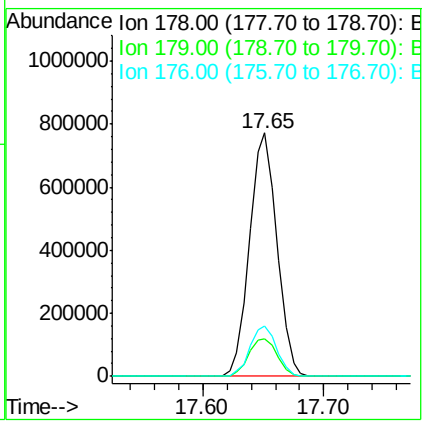


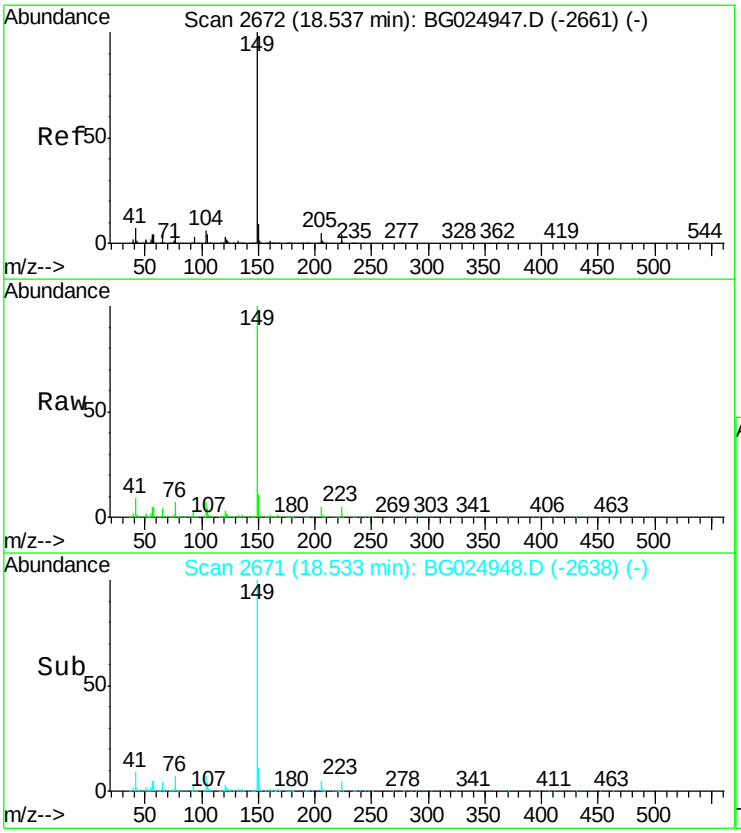
#69
Phenanthrene
Concen: 22.25 ng/ul
RT: 17.65 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Instrument :
BNA_G
ClientSampleId :
A4WB4

Tgt Ion:178 Resp: 1219370

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	20.8	16.5	24.7





#73
Di-n-butylphthalate
Concen: 28.07 ng/ul
RT: 18.53 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BG024948.D
Acq: 30 Nov 2016 16:22

Tgt Ion:149 Resp: 1665862

Ion	Ratio	Lower	Upper
149	100		
150	11.0	7.9	11.9
104	7.1	5.8	8.8