Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112718\
Data File : BG038182.D
Acq On : 28 Nov 2018 00:54
Operator : JU/SJ
Sample : PB115087BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Quant Time: Nov 28 04:13:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	38581	20.00 ng	0.00
21) Naphthalene-d8	10.91	136	162951	20.00 ng	0.00
39) Acenaphthene-d10	14.73	164	101045	20.00 ng	0.00
64) Phenanthrene-d10	17.47	188	234458	20.00 ng	0.00
76) Chrysene-d12	21.76	240	219598	20.00 ng	0.00
87) Perylene-d12	25.08	264	234380	20.00 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.64	112	294213	131.67 ng	0.00
7) Phenol-d6	7.24	99	405909	127.26 ng	0.00
23) Nitrobenzene-d5	9.27	82	254339	83.55 ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	143924	124.89 ng	0.00
45) 2-Fluorobiphenyl	13.34	172	551894	79.57 ng	0.00
79) Terphenyl-d14	20.07	244	867655	92.97 ng	0.00

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) 1,4-Dioxane	3.51	88	36342	34.432 ng		98
3) Pyridine	3.92	79	103007	34.212 ng		97
4) n-Nitrosodimethylamine	3.84	42	56896	52.088 ng	#	82
6) Aniline	7.42	93	60698	14.744 ng		98
8) 2-Chlorophenol	7.65	128	122146	47.109 ng		99
9) Benzaldehyde	7.23	77	48797	21.154 ng		99
10) Phenol	7.27	94	156703	46.381 ng		99
11) bis(2-Chloroethyl)ether	7.50	93	114596	41.547 ng		99
12) 1,3-Dichlorobenzene	7.97	146	119346	39.955 ng		97
13) 1,4-Dichlorobenzene	8.12	146	125054	41.445 ng		99
14) 1,2-Dichlorobenzene	8.44	146	117597	40.822 ng		97
15) Benzyl Alcohol	8.33	79	106901	46.317 ng		96
16) 2,2'-oxybis(1-Chloropropan	8.60	45	239318	46.726 ng		98
17) 2-Methylphenol	8.52	107	106818	46.764 ng		98
18) Hexachloroethane	9.17	117	46117	41.996 ng		96
19) n-Nitroso-di-n-propylamine	8.89	70	91897	39.817 ng		95
20) 3+4-Methylphenols	8.86	107	147664	45.602 ng		97
22) Acetophenone	8.92	105	174023	42.923 ng	#	97
24) Nitrobenzene	9.31	77	141619	45.478 ng		94
25) Isophorone	9.82	82	260971	47.631 ng		98
26) 2-Nitrophenol	10.02	139	67510	43.427 ng		95
27) 2,4-Dimethylphenol	10.06	122	124186	53.020 ng		95
28) bis(2-Chloroethoxy)methane	10.30	93	157397	44.925 ng		98
29) 2,4-Dichlorophenol	10.55	162	125748	47.730 ng		97
30) 1,2,4-Trichlorobenzene	10.76	180	125693	42.575 ng		98
31) Naphthalene	10.96	128	369638	46.120 ng		100
32) Benzoic acid	10.18	122	42502	33.273 ng		98
33) 4-Chloroaniline	11.07	127	41382	11.100 ng		95
34) Hexachlorobutadiene	11.22	225	75005	41.280 ng		97
35) Caprolactam	11.86	113	45133	42.799 ng		95
36) 4-Chloro-3-methylphenol	12.18	107	136178	47.312 ng		100
37) 2-Methylnaphthalene	12.56	142	271928	47.234 ng		99
38) 1-Methylnaphthalene	12.77	142	257823	46.526 ng		100
40) 1,2,4,5-Tetrachlorobenzene	12.92	216	139256	41.243 ng		98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112718\
Data File : BG038182.D
Acq On : 28 Nov 2018 00:54
Operator : JU/SJ
Sample : PB115087BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Quant Time: Nov 28 04:13:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	170999	94.578 ng		100
43) 2,4,6-Trichlorophenol	13.16	196	102468	44.535 ng		99
44) 2,4,5-Trichlorophenol	13.23	196	110554	45.666 ng		96
46) 1,1'-Biphenyl	13.56	154	351019	41.350 ng		99
47) 2-Chloronaphthalene	13.60	162	275415	42.517 ng		99
48) 2-Nitroaniline	13.81	65	99079	48.598 ng		96
49) Acenaphthylene	14.45	152	465546	47.792 ng		98
50) Dimethylphthalate	14.17	163	361105	45.078 ng		99
51) 2,6-Dinitrotoluene	14.30	165	81787	45.111 ng		92
52) Acenaphthene	14.79	154	261825	44.647 ng		99
53) 3-Nitroaniline	14.64	138	38208	19.098 ng	#	96
54) 2,4-Dinitrophenol	14.84	184	26271	33.017 ng	#	87
55) Dibenzofuran	15.12	168	426661	43.999 ng		98
56) 4-Nitrophenol	14.93	139	123662	80.146 ng		92
57) 2,4-Dinitrotoluene	15.09	165	115082	46.653 ng		96
58) Fluorene	15.77	166	345230	47.716 ng		98
59) 2,3,4,6-Tetrachlorophenol	15.34	232	101146	49.930 ng		100
60) Diethylphthalate	15.52	149	376690	44.273 ng		98
61) 4-Chlorophenyl-phenylether	15.75	204	181342	42.835 ng		99
62) 4-Nitroaniline	15.80	138	89184	44.875 ng		93
63) Azobenzene	16.05	77	348175	45.767 ng		96
65) 4,6-Dinitro-2-methylphenol	15.85	198	36843	24.844 ng		94
66) n-Nitrosodiphenylamine	15.97	169	314843	44.388 ng		98
67) 4-Bromophenyl-phenylether	16.65	248	111746	43.424 ng		96
68) Hexachlorobenzene	16.76	284	117183	44.116 ng		97
69) Atrazine	16.92	200	117912	45.095 ng		99
70) Pentachlorophenol	17.11	266	112808	62.531 ng		96
71) Phenanthrene	17.52	178	576648	48.038 ng		100
72) Anthracene	17.60	178	584127	49.366 ng		100
73) Carbazole	17.88	167	535382	45.097 ng		100
74) Di-n-butylphthalate	18.41	149	650379	48.804 ng		99
75) Fluoranthene	19.52	202	687990	50.234 ng		99
77) Benzidine	19.71	184	137570	17.853 ng		99
78) Pyrene	19.88	202	690277	48.078 ng		99
80) Butylbenzylphthalate	20.75	149	297541	47.389 ng		100
81) Benzo(a)anthracene	21.73	228	650994	49.056 ng		99
82) 3,3'-Dichlorobenzidine	21.65	252	107638	20.822 ng		99
83) Chrysene	21.80	228	612550	48.244 ng		97
84) Bis(2-ethylhexyl)phthalate	21.61	149	424820	47.444 ng		99
85) Di-n-octyl phthalate	22.84	149	723035	49.913 ng		99
86) Indeno(1,2,3-cd)pyrene	28.90	276	629620	44.648 ng		99
88) Benzo(b)fluoranthene	24.02	252	640529	49.661 ng		99
89) Benzo(k)fluoranthene	24.09	252	619450	48.672 ng		97
90) Benzo(a)pyrene	24.93	252	622133	50.472 ng		99
91) Dibenzo(a,h)anthracene	28.97	278	521144	43.941 ng		98
92) Benzo(g,h,i)perylene	30.10	276	509761	43.227 ng		99

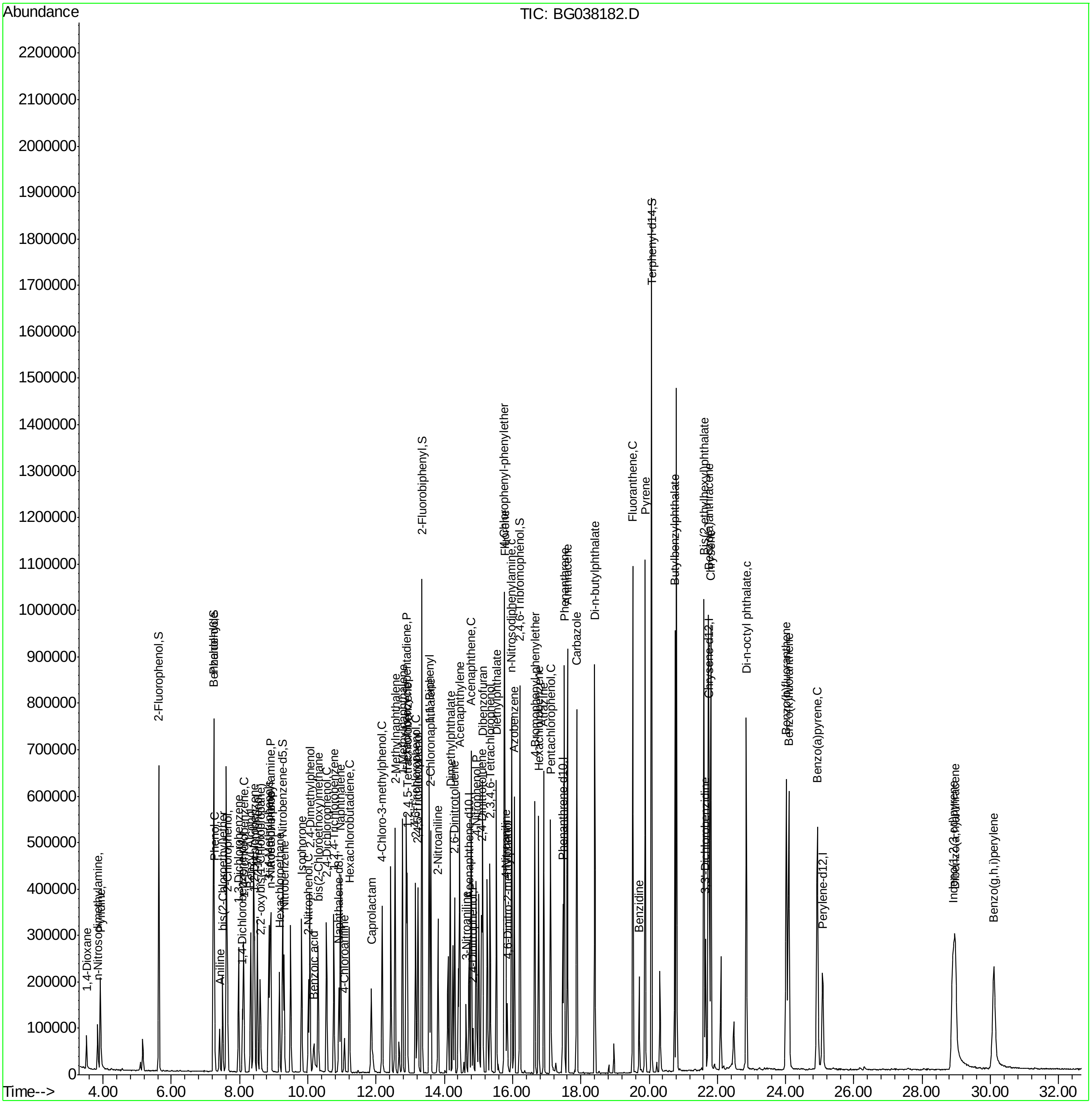
(#) = qualifier out of range (m) = manual integration (+) = signals summed

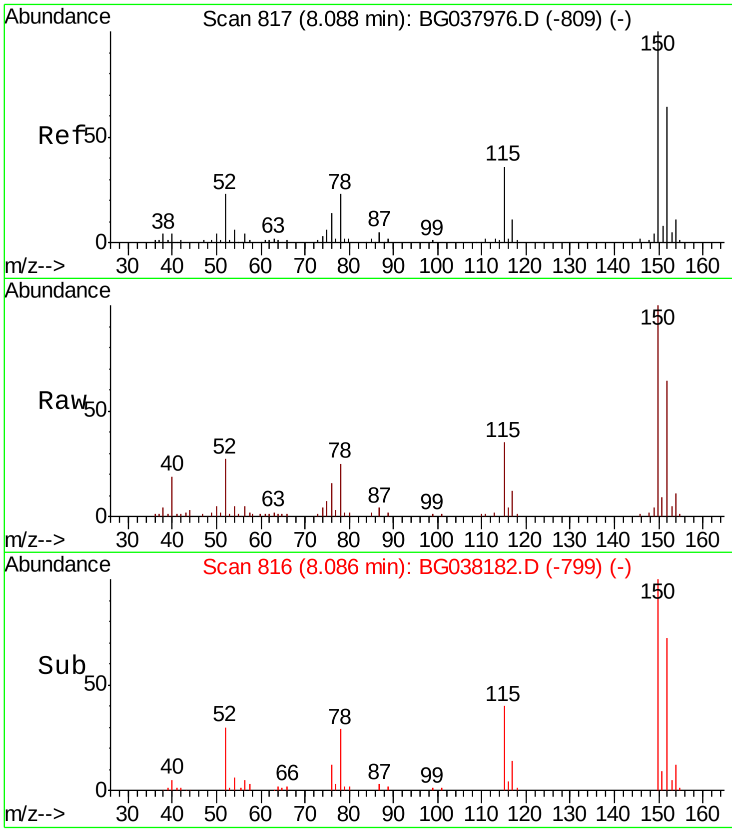
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112718\
Data File : BG038182.D
Acq On : 28 Nov 2018 00:54
Operator : JU/SJ
Sample : PB115087BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Quant Time: Nov 28 04:13:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration



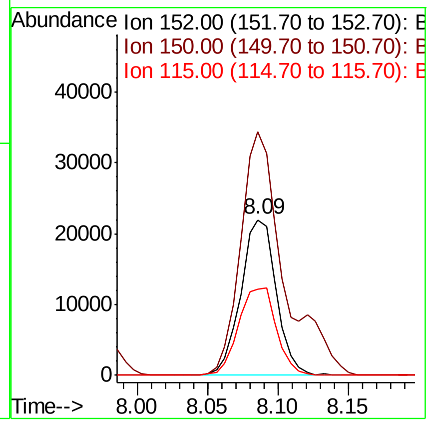


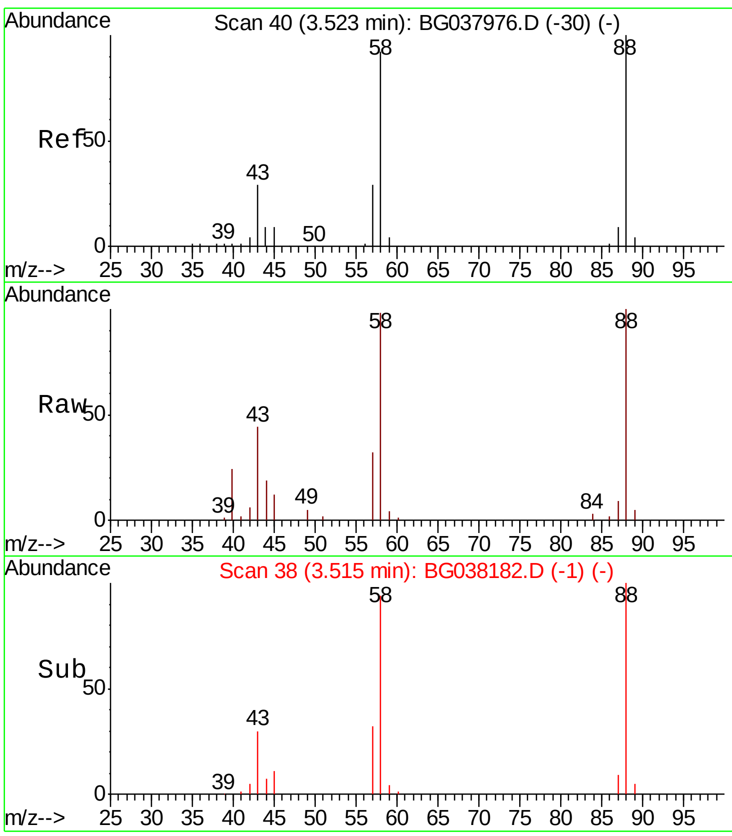
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:152 Resp: 38581

Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.0	189.0
115	55.5	45.5	68.3

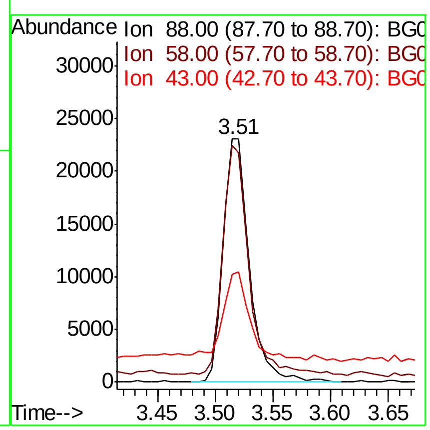




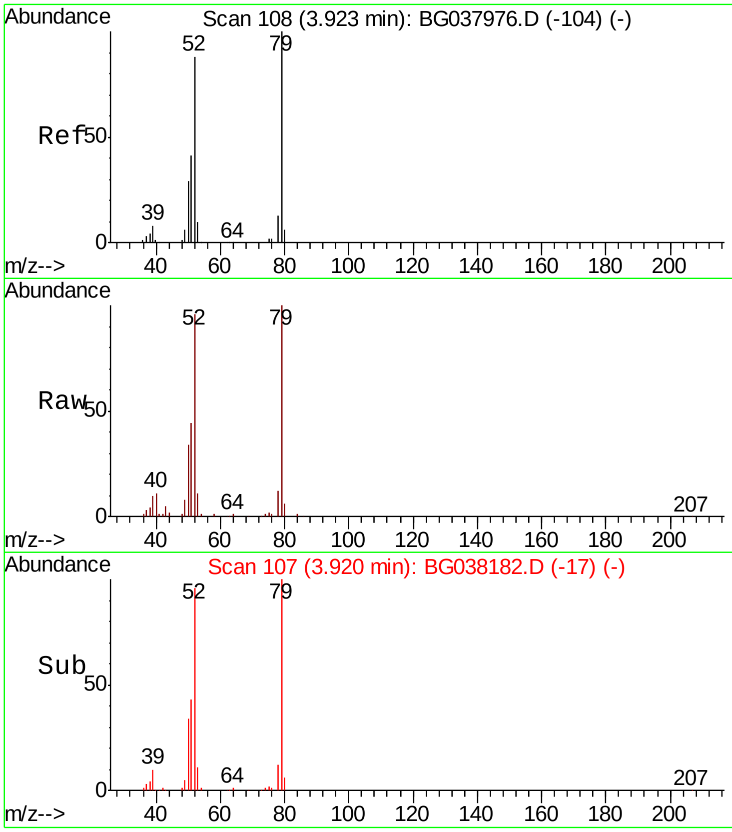
#2
1,4-Dioxane
Concen: 34.432 ng
RT: 3.51 min Scan# 38
Delta R.T. -0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 88 Resp: 36342

Ion	Ratio	Lower	Upper
88	100		
58	94.6	74.4	111.6
43	34.0	25.8	38.8



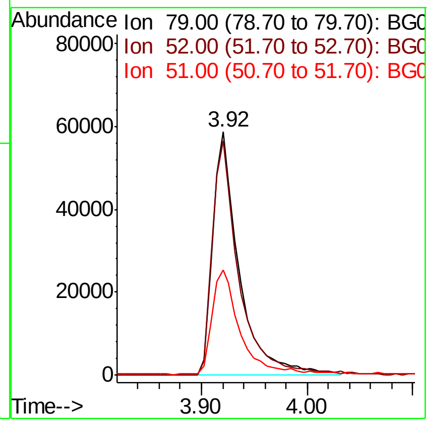
Instrument : BNA_G
ClientSampleId : PB115087BS

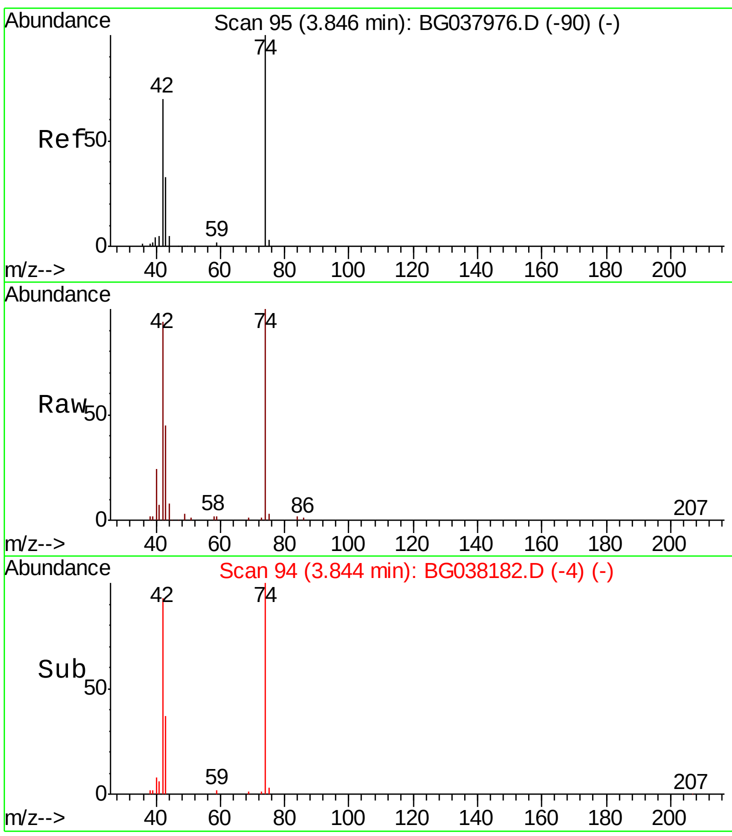


#3
Pyridine
Concen: 34.212 ng
RT: 3.92 min Scan# 107
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 79 Resp: 103007

Ion	Ratio	Lower	Upper
79	100		
52	96.2	74.2	111.2
51	43.5	34.6	51.8

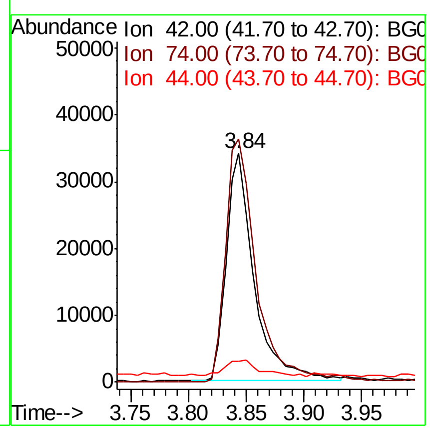


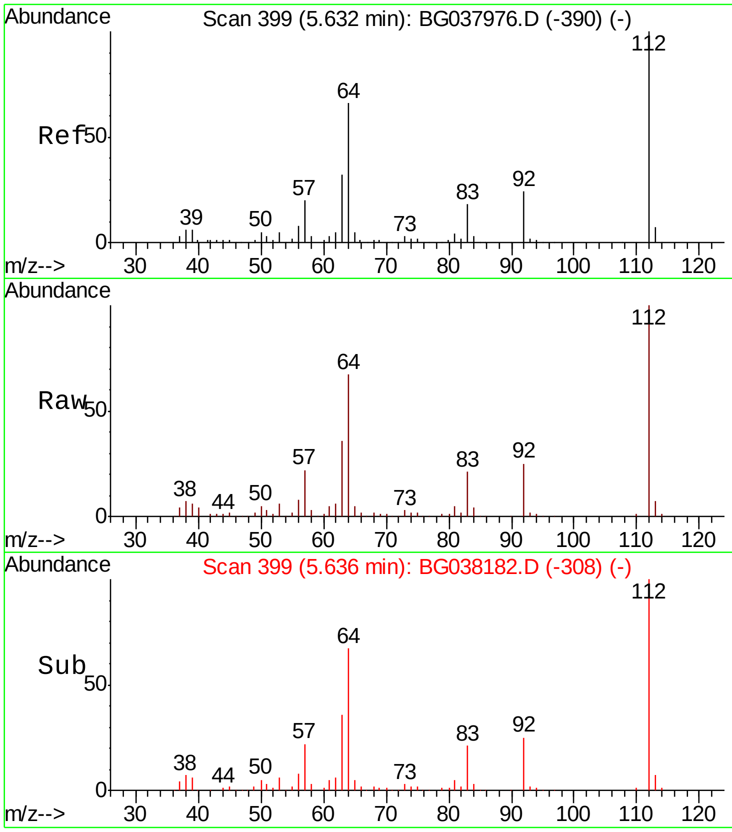


#4
n-Nitrosodimethylamine
Concen: 52.088 ng
RT: 3.84 min Scan# 94
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 42 Resp: 56896

Ion	Ratio	Lower	Upper
42	100		
74	106.2	102.0	153.0
44	9.0	9.6	14.4#



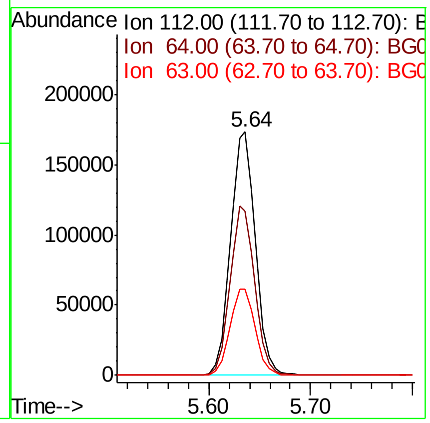


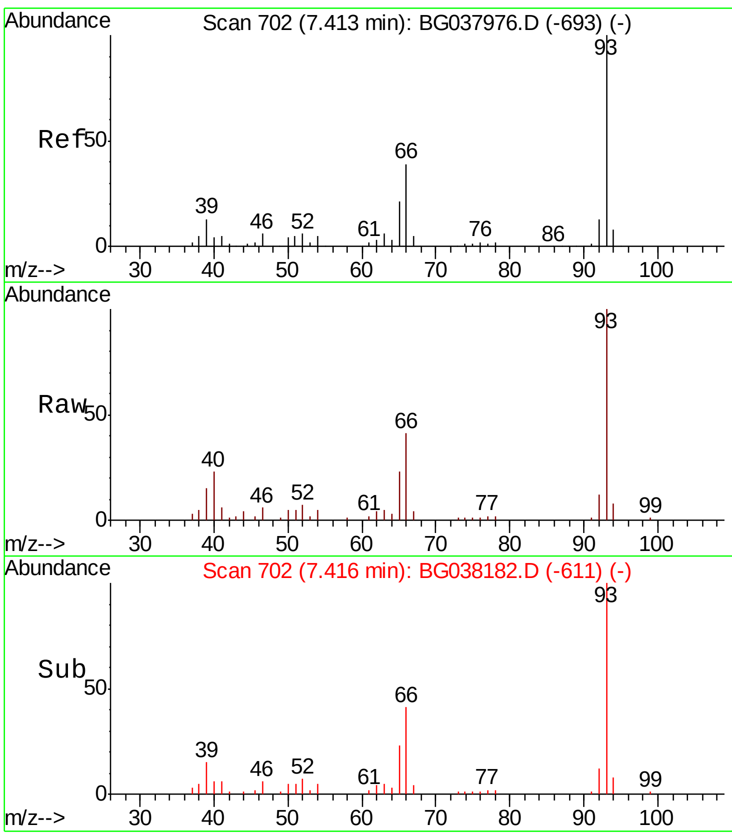
#5
2-Fluorophenol
Concen: 131.665 ng
RT: 5.64 min Scan# 399
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:112 Resp: 294213

Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.1	79.7
63	35.6	27.3	40.9

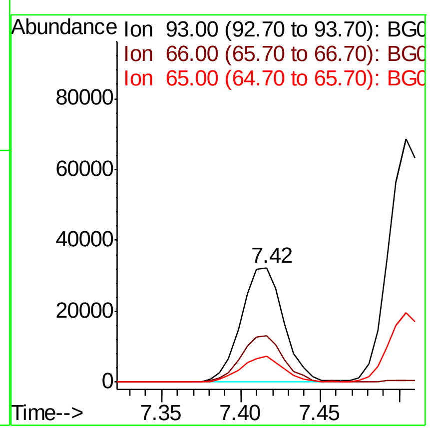


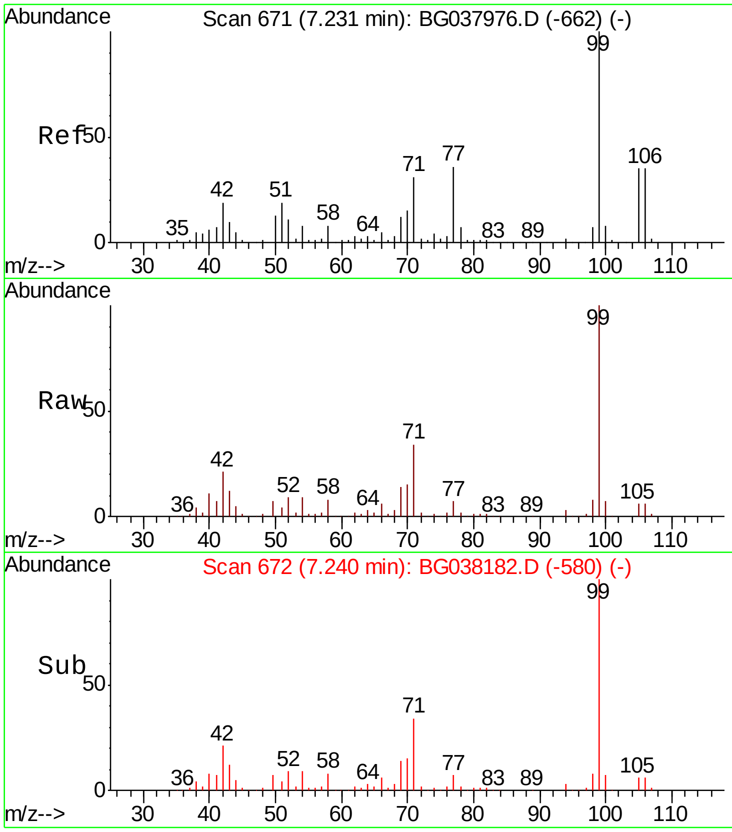


#6
Aniline
Concen: 14.744 ng
RT: 7.42 min Scan# 702
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 93 Resp: 60698

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.8	49.2
65	23.3	16.4	24.6



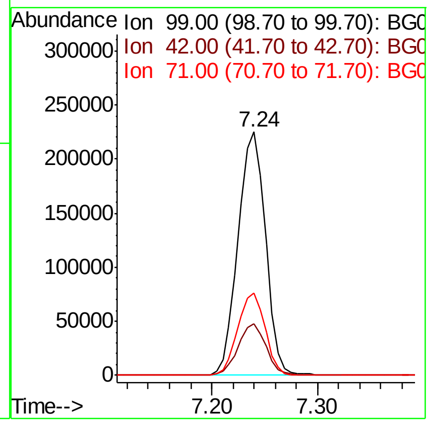


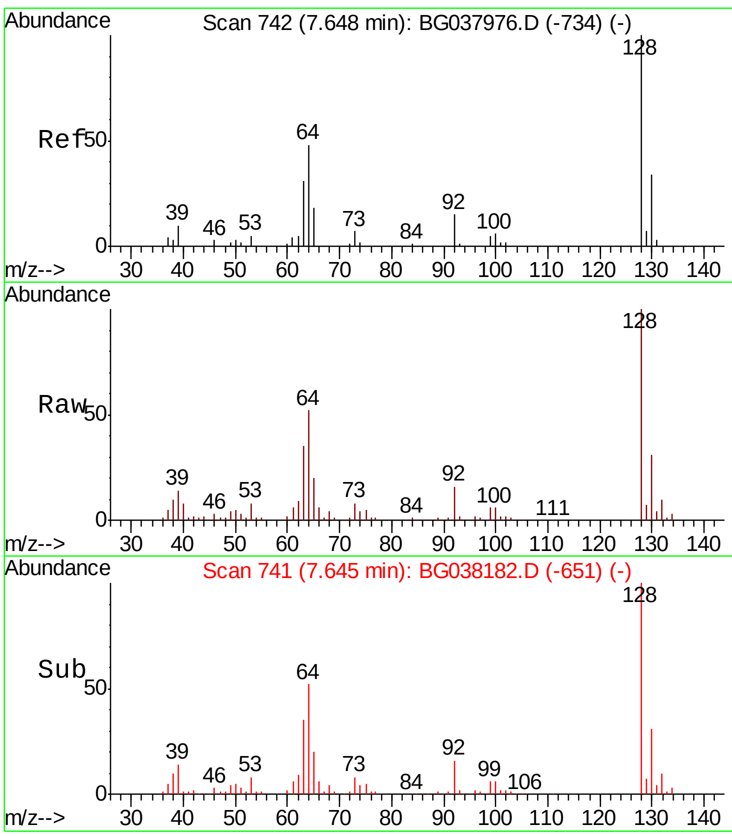
#7
Phenol-d6
Concen: 127.257 ng
RT: 7.24 min Scan# 672
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 99 Resp: 405909

Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.0	22.4
71	33.9	25.5	38.3

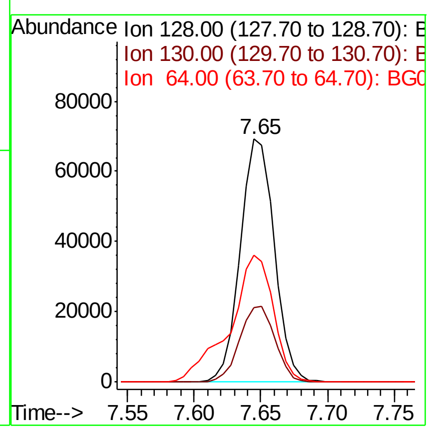


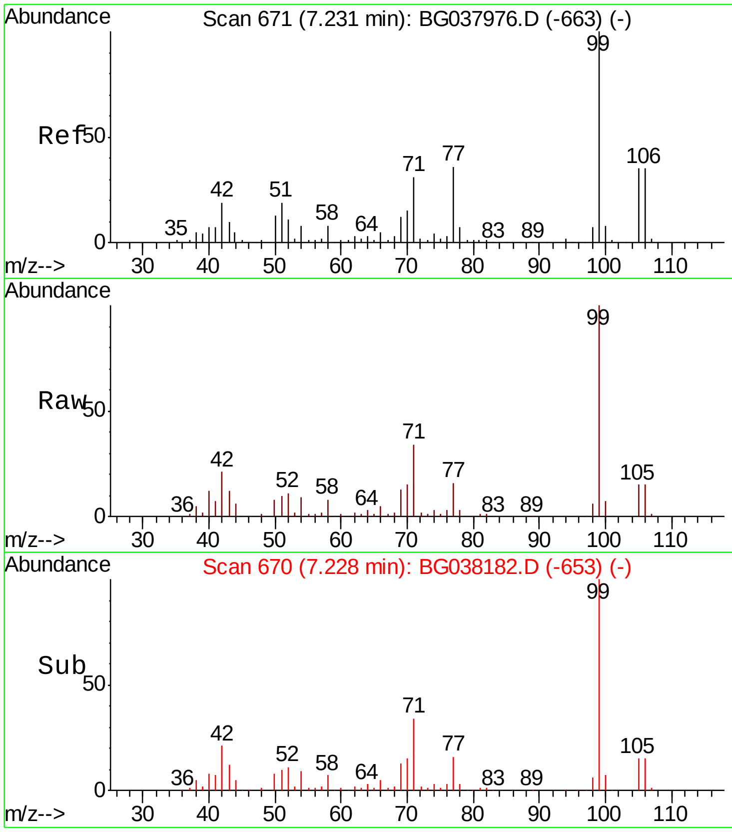


#8
2-Chlorophenol
Concen: 47.109 ng
RT: 7.65 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:128 Resp: 122146

Ion	Ratio	Lower	Upper
128	100		
130	30.8	12.0	52.0
64	52.4	32.9	72.9



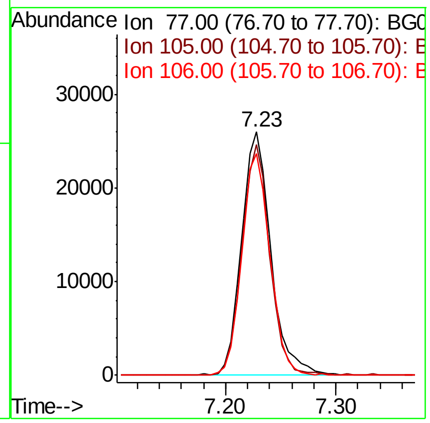


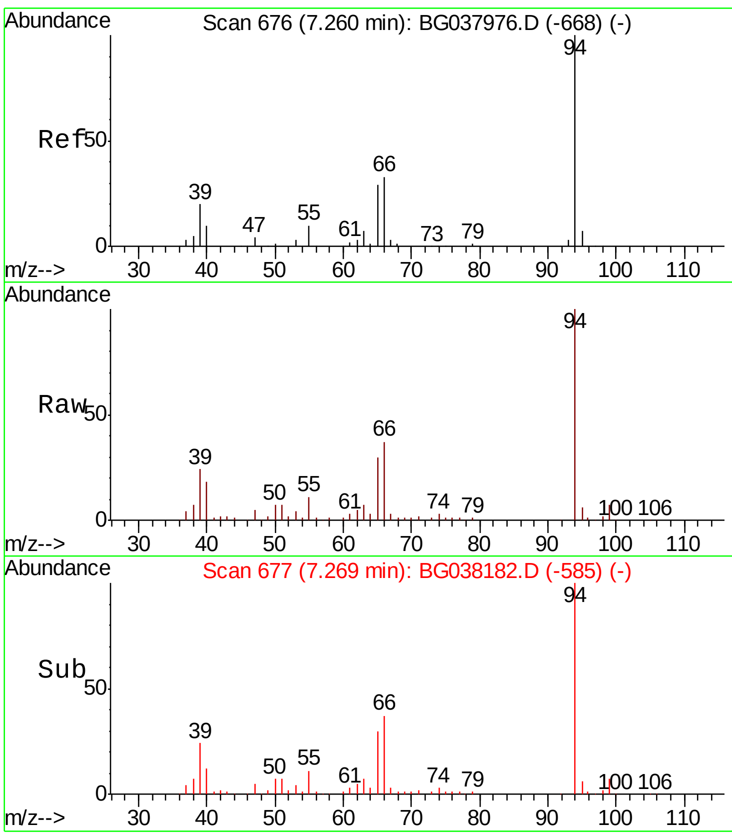
#9
Benzaldehyde
Concen: 21.154 ng
RT: 7.23 min Scan# 670
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 77 Resp: 48797

Ion	Ratio	Lower	Upper
77	100		
105	95.0	72.6	112.6
106	91.1	71.3	111.3

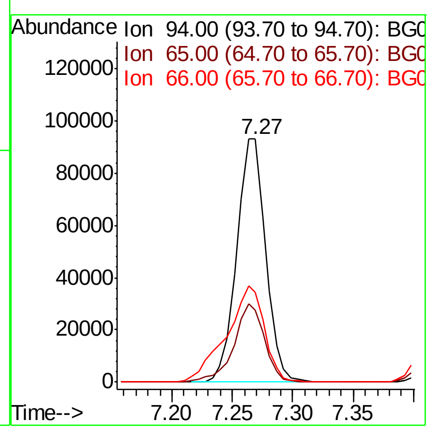


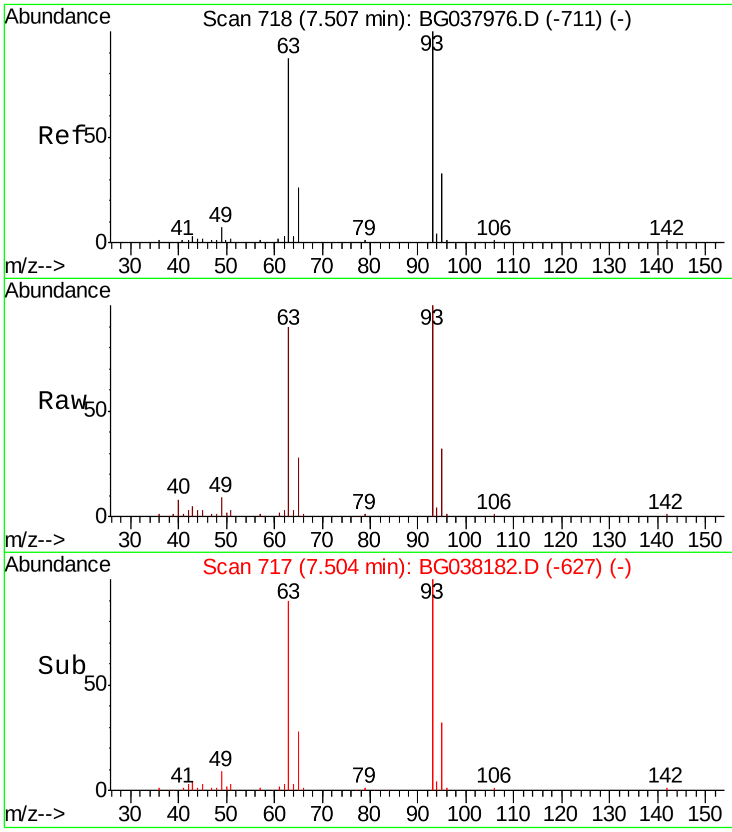


#10
Phenol
Concen: 46.381 ng
RT: 7.27 min Scan# 677
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 94 Resp: 156703

Ion	Ratio	Lower	Upper
94	100		
65	29.7	9.7	49.7
66	37.1	15.9	55.9



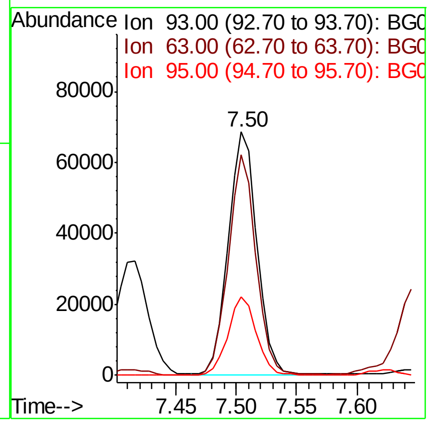


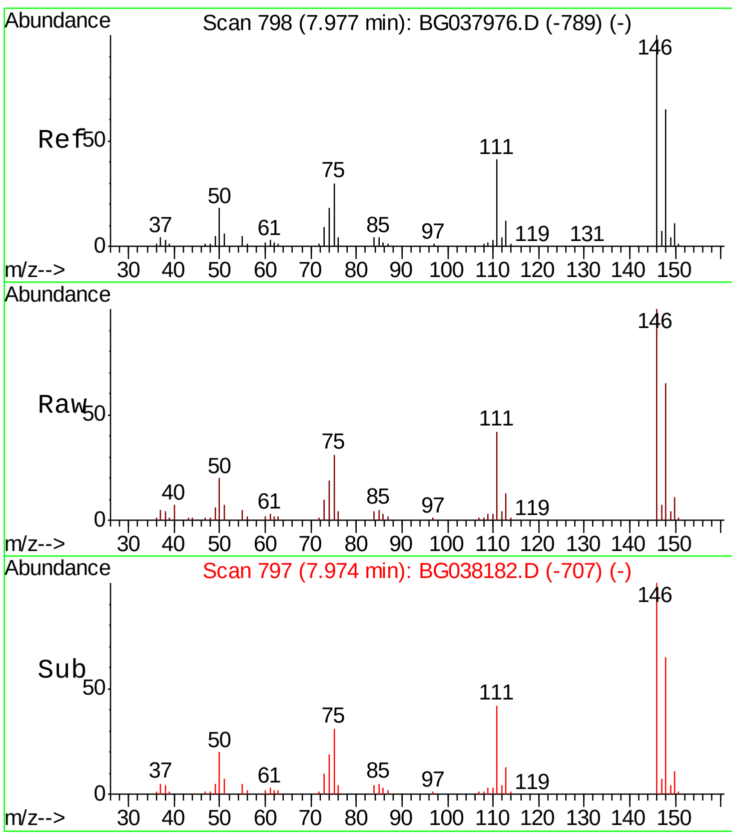
#11
bis(2-Chloroethyl)ether
Concen: 41.547 ng
RT: 7.50 min   Scan# 717
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 93 Resp: 114596

Ion	Ratio	Lower	Upper
93	100		
63	90.3	69.5	109.5
95	32.4	12.6	52.6

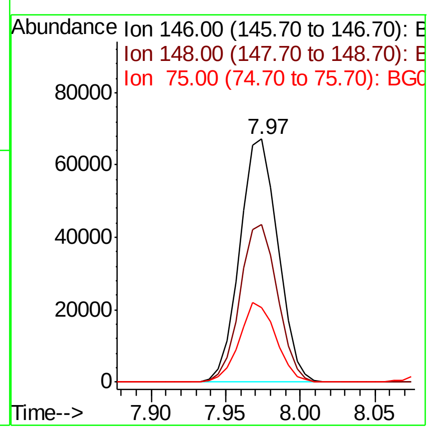


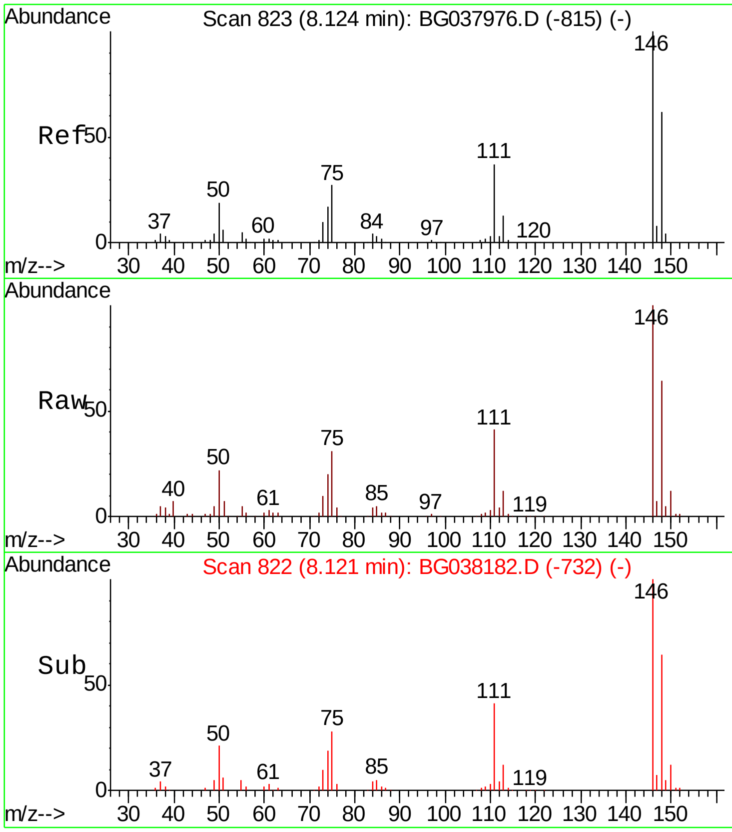


#12
1,3-Dichlorobenzene
Concen: 39.955 ng
RT: 7.97 min   Scan# 797
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:146 Resp: 119346

Ion	Ratio	Lower	Upper
146	100		
148	65.1	49.8	74.8
75	30.5	23.2	34.8



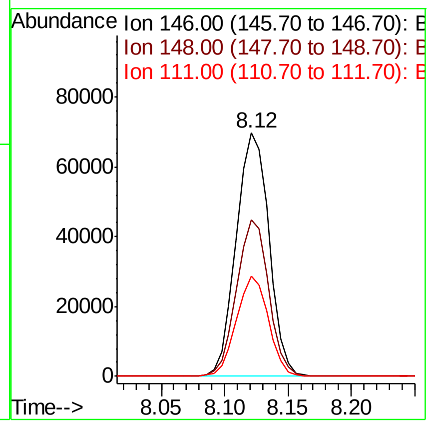


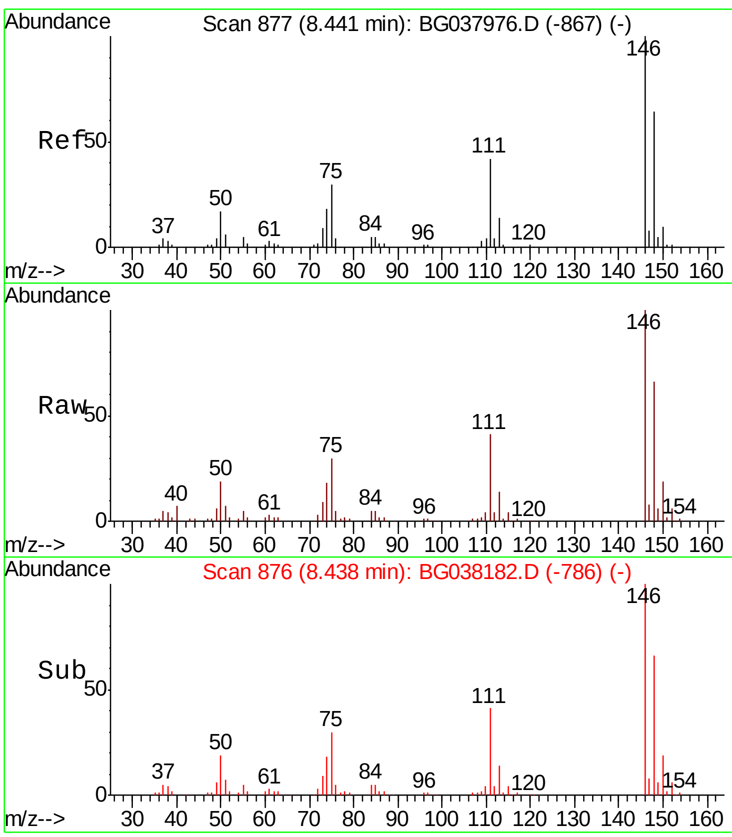
#13
1,4-Dichlorobenzene
Concen: 41.445 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:146 Resp: 125054

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	41.0	32.4	48.6

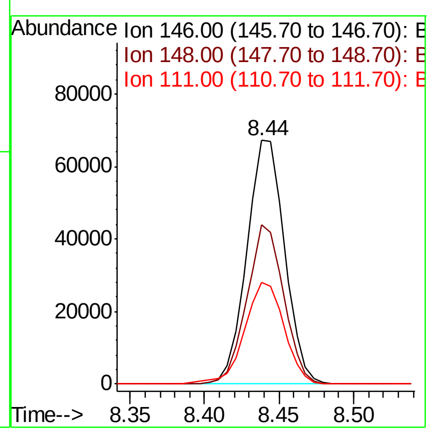




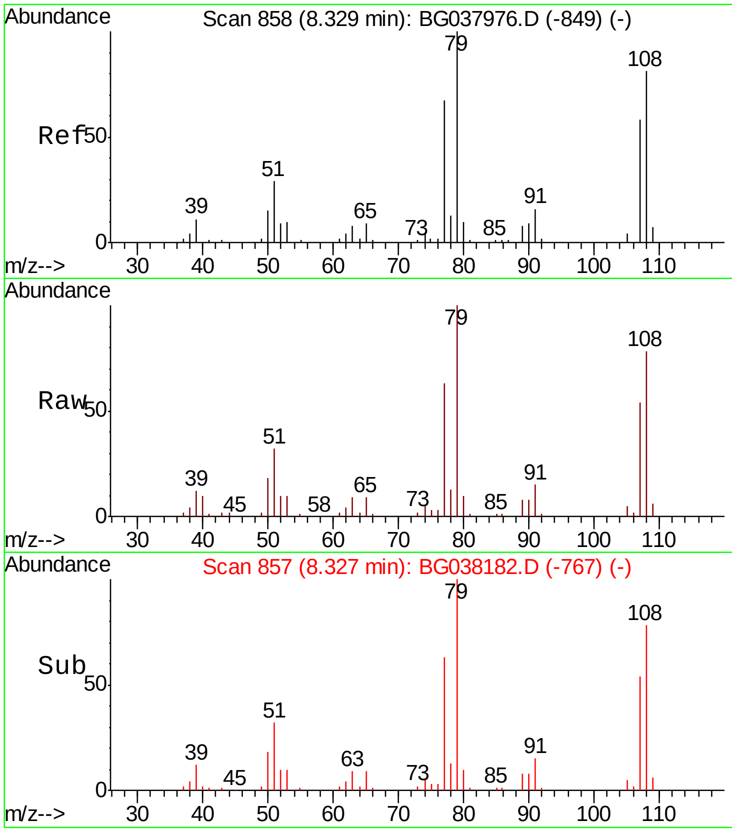
#14
1,2-Dichlorobenzene
Concen: 40.822 ng
RT: 8.44 min Scan# 876
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:146 Resp: 117597

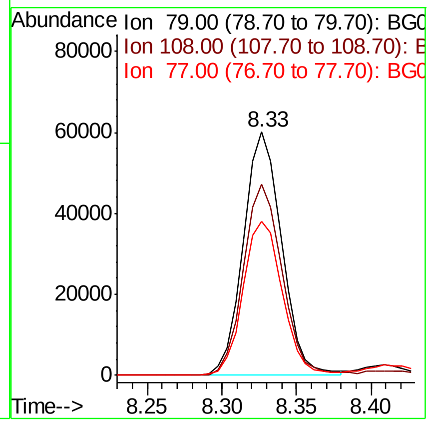
Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.4	75.6
111	41.5	34.6	51.8

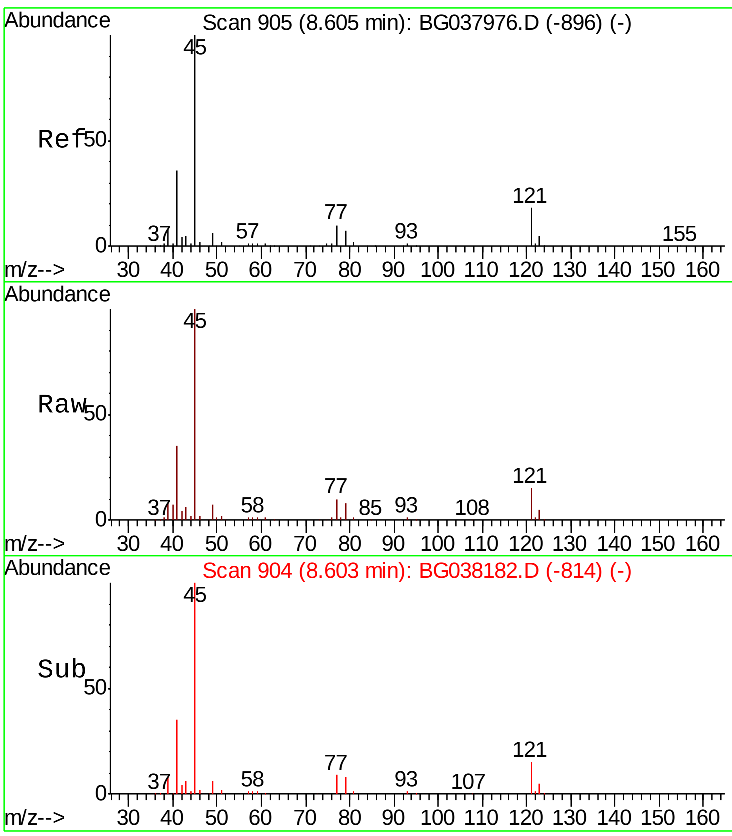


Instrument :
BNA_G
ClientSampleId :
PB115087BS

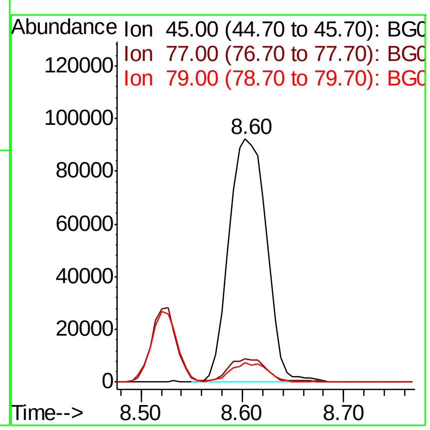


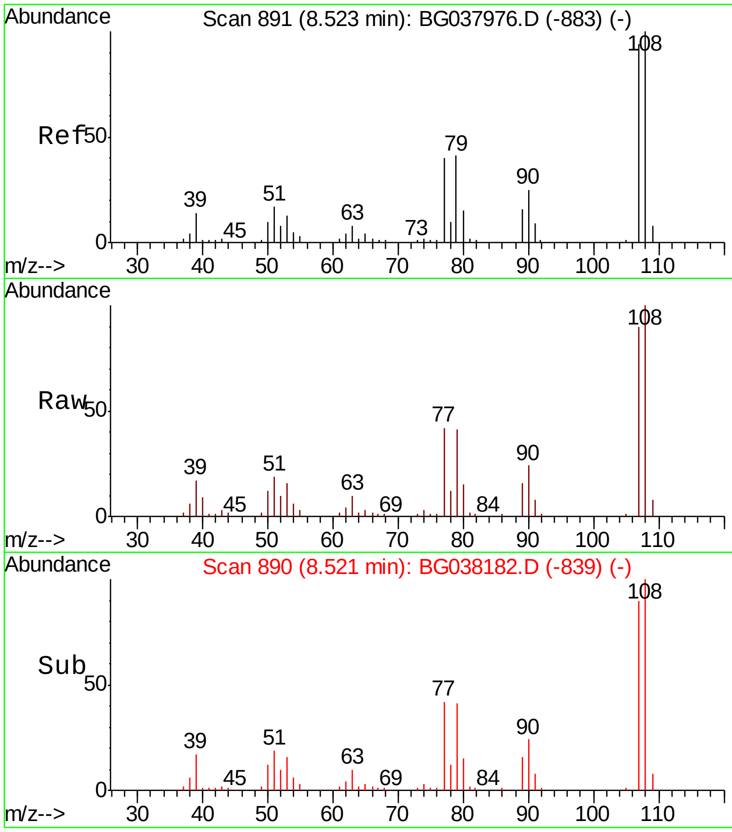

```
#15
Benzyl Alcohol
Concen:   46.317 ng
RT: 8.33 min   Scan# 857
Delta R.T.    -0.00 min
Lab File:    BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion: 79 Resp:   106901
Ion  Ratio  Lower   Upper
 79  100
108    78.4   65.8    98.8
 77    63.0   52.9    79.3
```






```
#16
2,2'-oxybis(1-Chloropropane)
Concen:   46.726 ng
RT: 8.60 min   Scan# 904
Delta R.T.    -0.00 min
Lab File:    BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion: 45 Resp:   239318
Ion  Ratio  Lower   Upper
 45  100
 77     9.8    0.0    30.0
 79     8.0    0.0    29.0
```



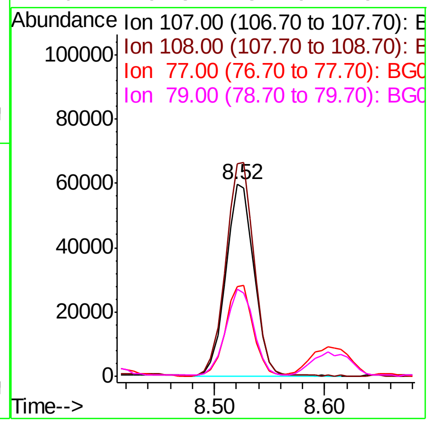


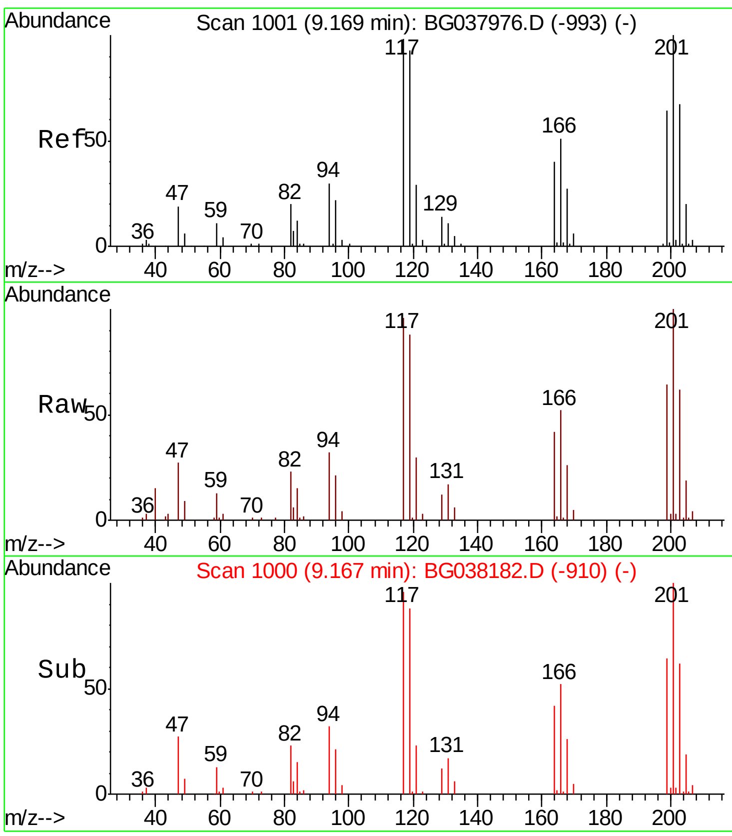
#17
2-Methylphenol
Concen: 46.764 ng
RT: 8.52 min   Scan# 890
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:107 Resp: 106818

Ion	Ratio	Lower	Upper
107	100		
108	110.8	87.9	131.9
77	46.5	35.1	52.7
79	45.3	34.5	51.7

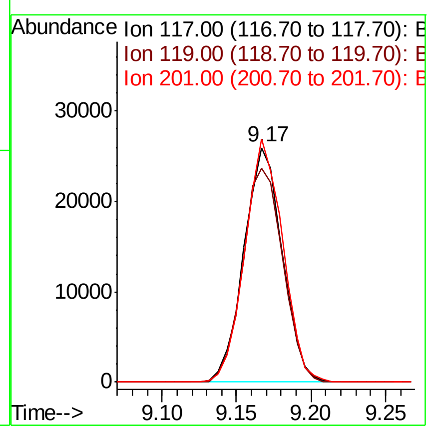


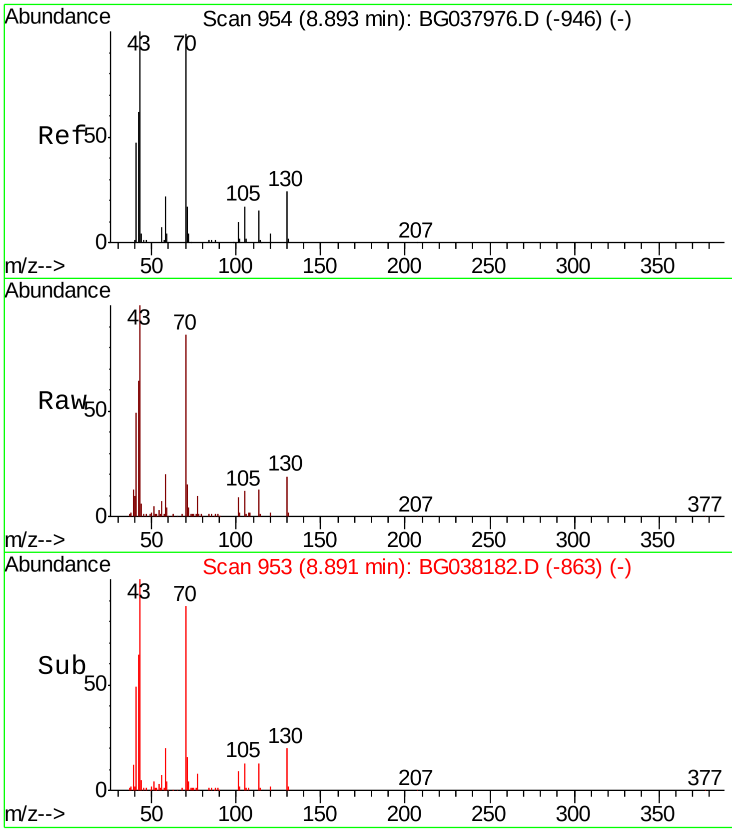


#18
Hexachloroethane
Concen: 41.996 ng
RT: 9.17 min   Scan# 1000
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:117 Resp: 46117

Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.6	111.8
201	106.8	80.8	121.2



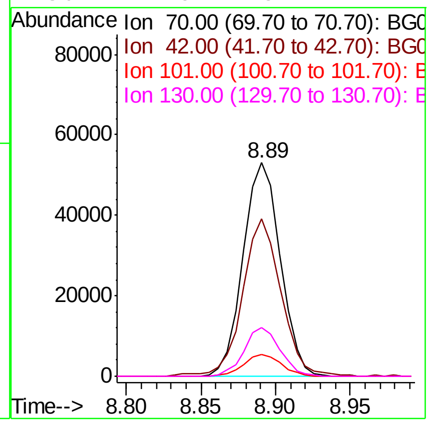


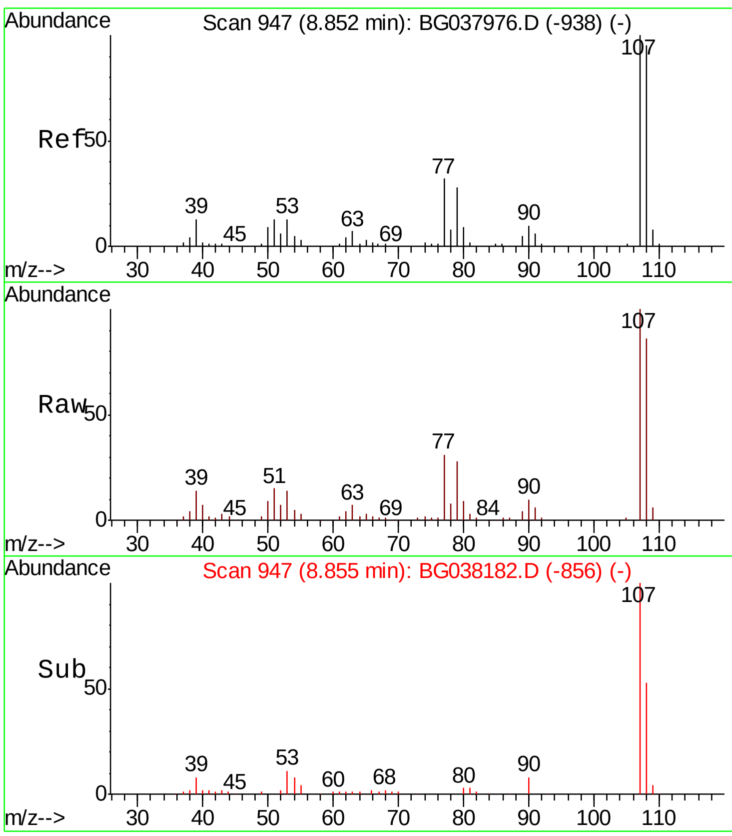
#19
n-Nitroso-di-n-propylamine
Concen: 39.817 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 70 Resp: 91897

Ion	Ratio	Lower	Upper
70	100		
42	73.7	53.9	80.9
101	10.2	8.2	12.2
130	22.5	18.2	27.4

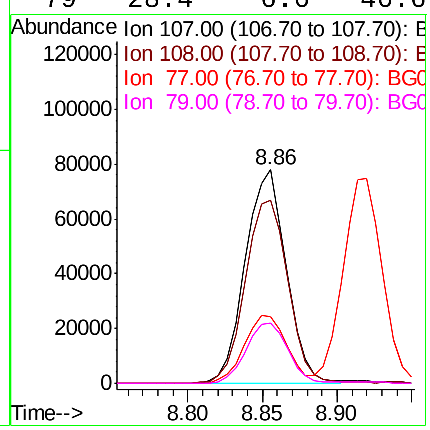




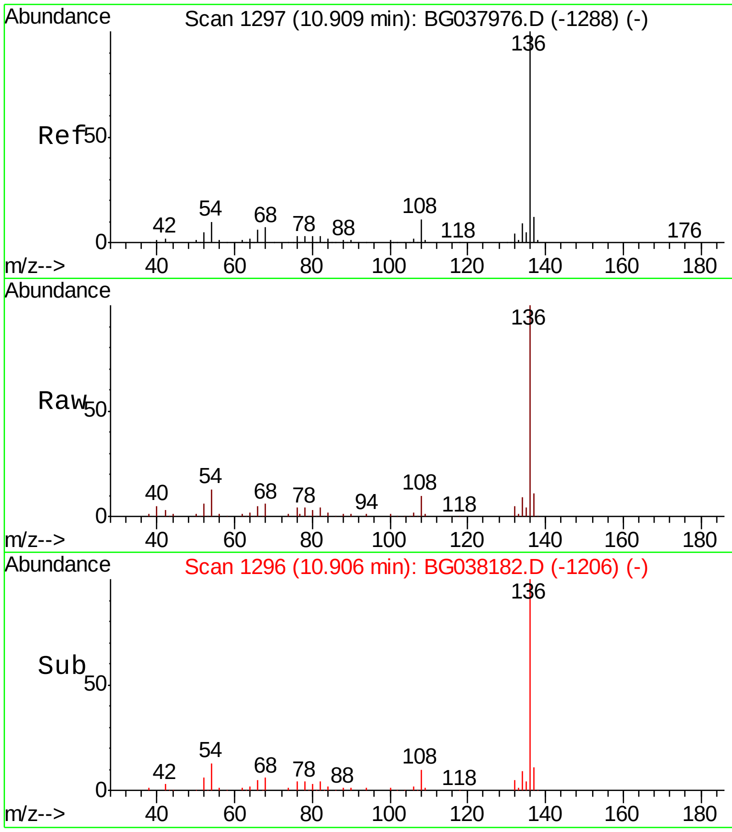
#20
3+4-Methylphenols
Concen: 45.602 ng
RT: 8.86 min Scan# 947
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

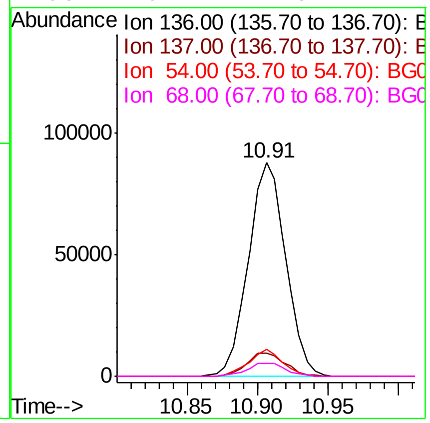
Tgt Ion:107 Resp: 147664

Ion	Ratio	Lower	Upper
107	100		
108	85.8	69.9	109.9
77	31.5	11.2	51.2
79	28.4	6.6	46.6



Instrument :
BNA_G
ClientSampleId :
PB115087BS

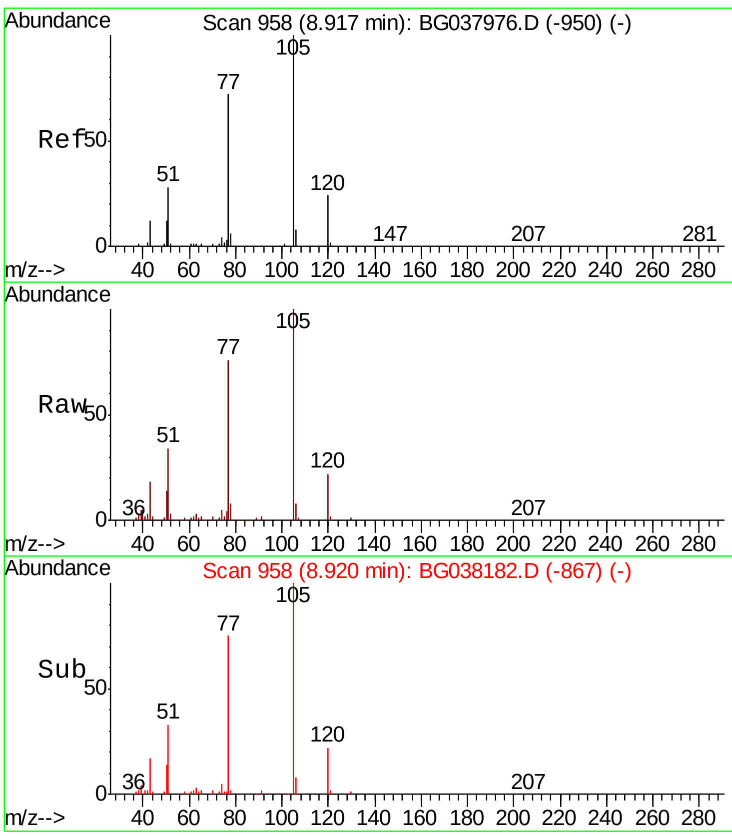


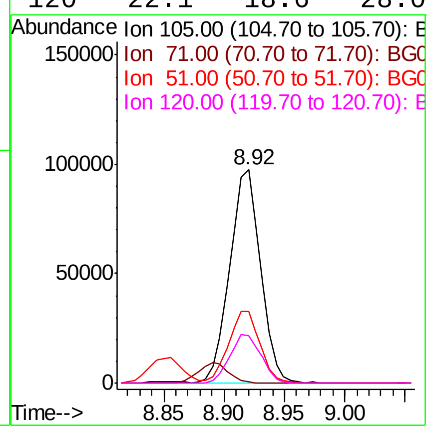


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:136 Resp: 162951

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	12.8	7.9	11.9#
68	6.1	4.8	7.2

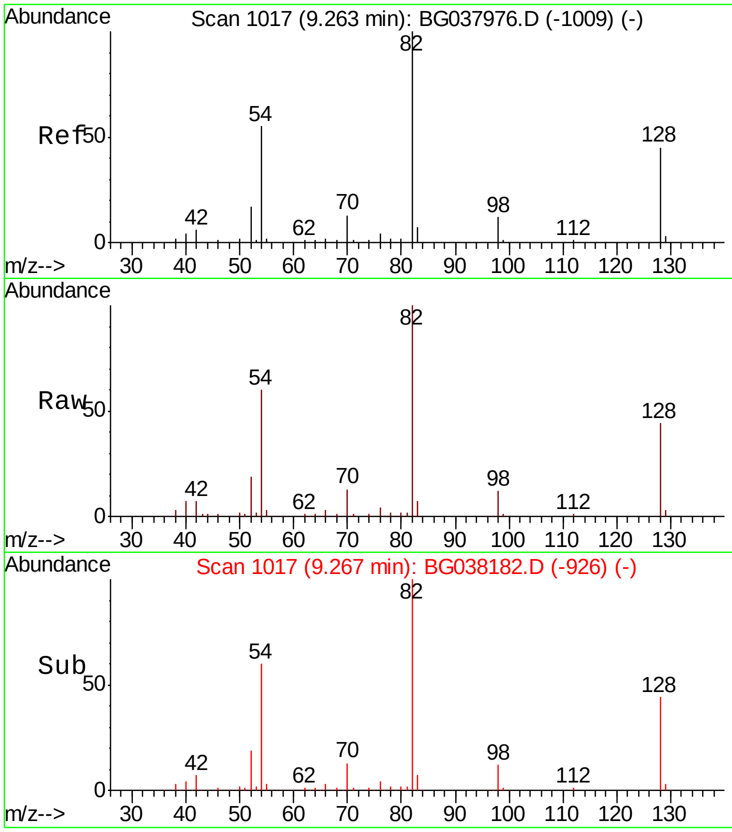




#22
Acetophenone
Concen: 42.923 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:105 Resp: 174023

Ion	Ratio	Lower	Upper
105	100		
71	0.4	1.2	1.8#
51	33.6	25.0	37.6
120	22.1	18.6	28.0

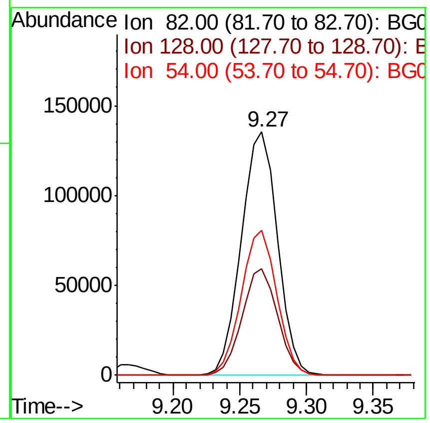


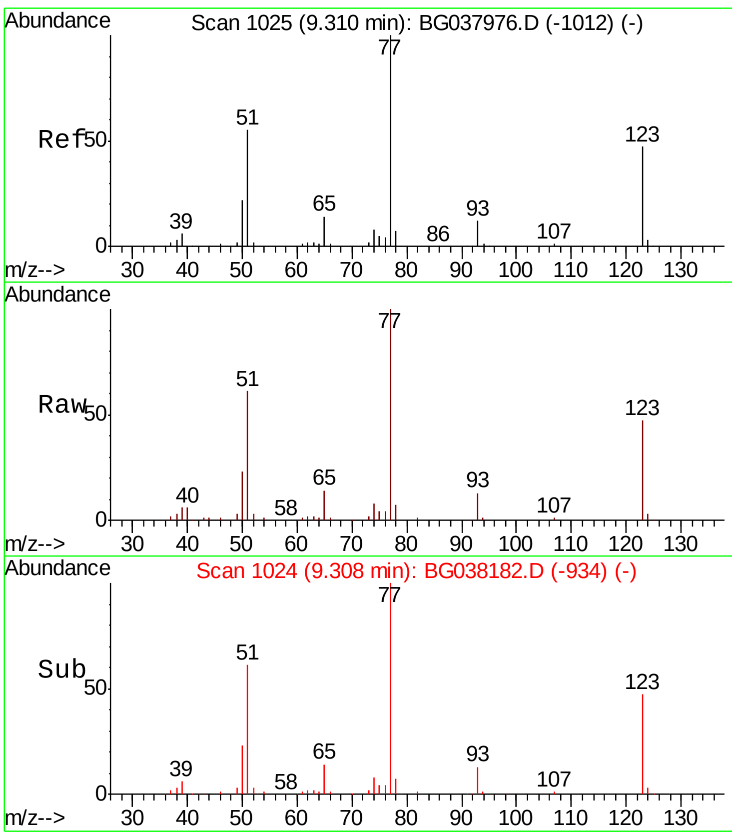
#23
Nitrobenzene-d5
Concen: 83.552 ng
RT: 9.27 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion: 82 Resp: 254339

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.6	51.8
54	59.6	45.3	67.9

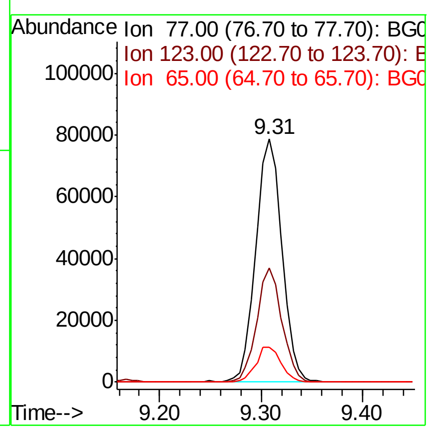


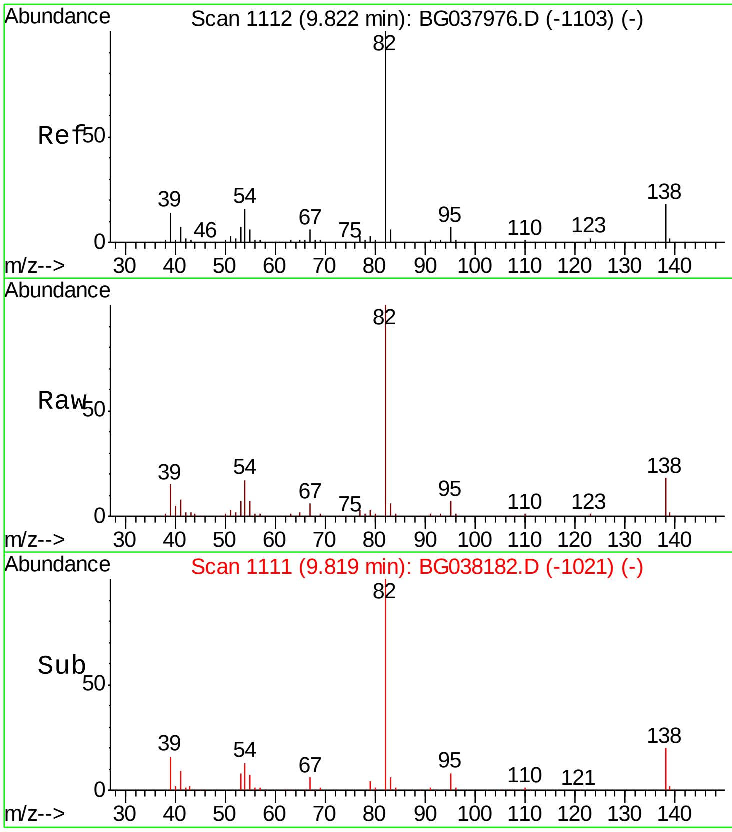


#24
Nitrobenzene
Concen: 45.478 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 77 Resp: 141619

Ion	Ratio	Lower	Upper
77	100		
123	47.2	33.6	50.4
65	14.3	11.3	16.9



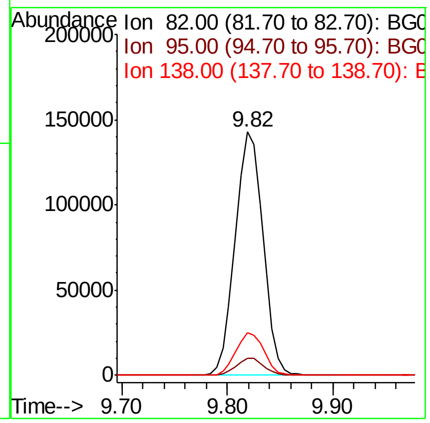


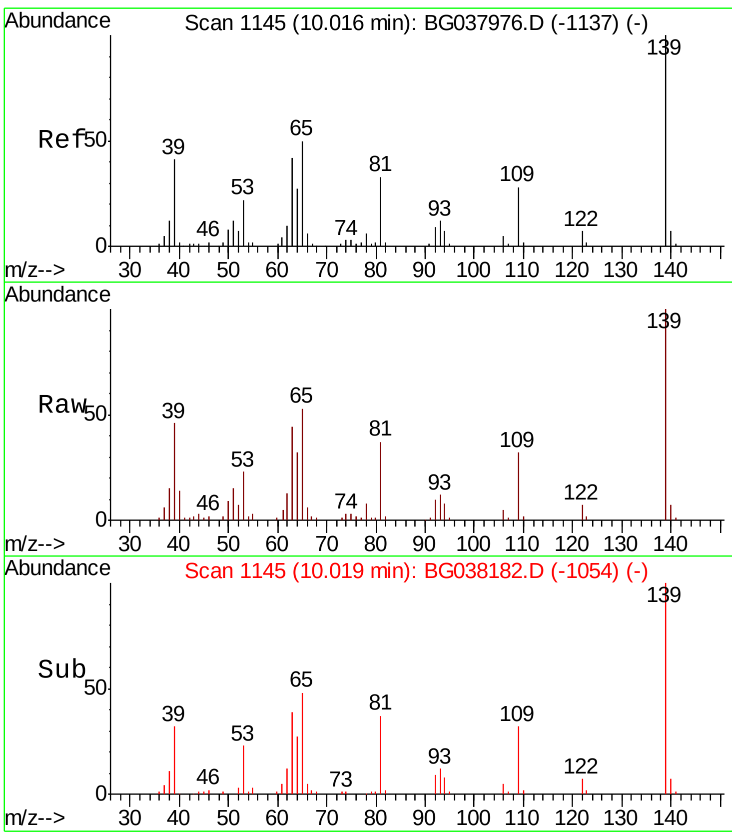
#25
Isophorone
Concen: 47.631 ng
RT: 9.82 min   Scan# 1111
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 82 Resp: 260971

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	17.6	13.3	19.9

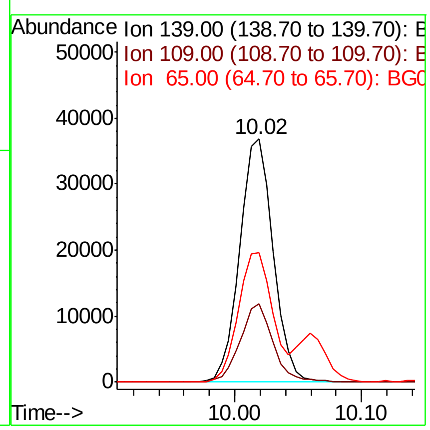




#26
2-Nitrophenol
Concen: 43.427 ng
RT: 10.02 min   Scan# 1145
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:139 Resp: 67510

Ion	Ratio	Lower	Upper
139	100		
109	32.0	23.3	34.9
65	53.4	39.8	59.8

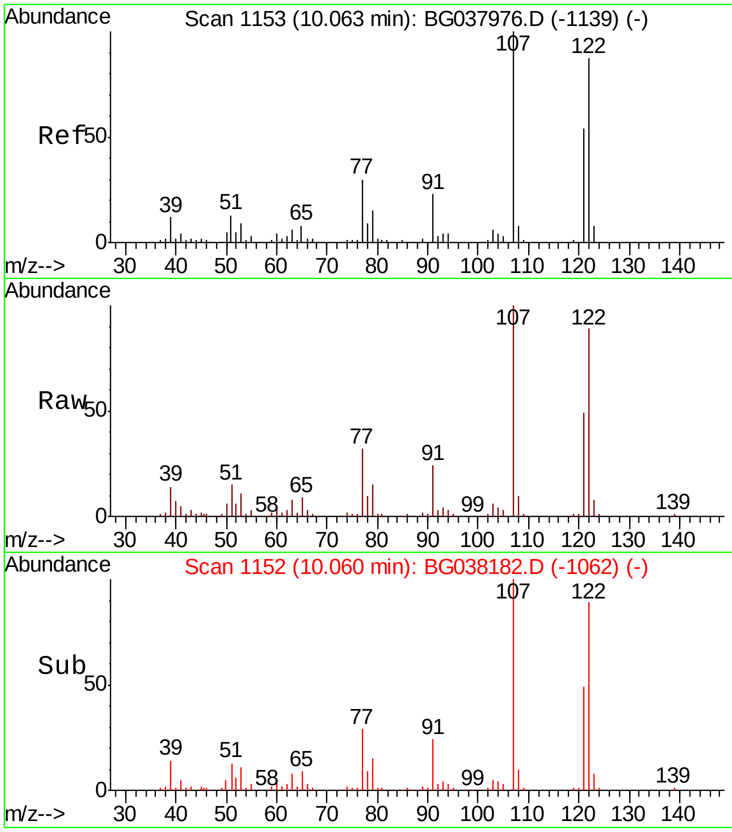


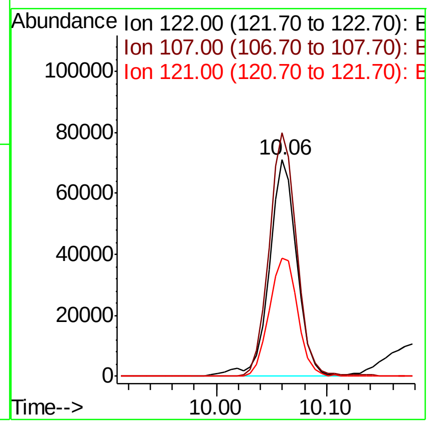
#27
2,4-Dimethylphenol
Concen: 53.020 ng
RT: 10.06 min   Scan# 1152
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:122 Resp: 124186

Ion	Ratio	Lower	Upper
122	100		
107	112.5	94.2	141.2
121	54.7	47.3	70.9

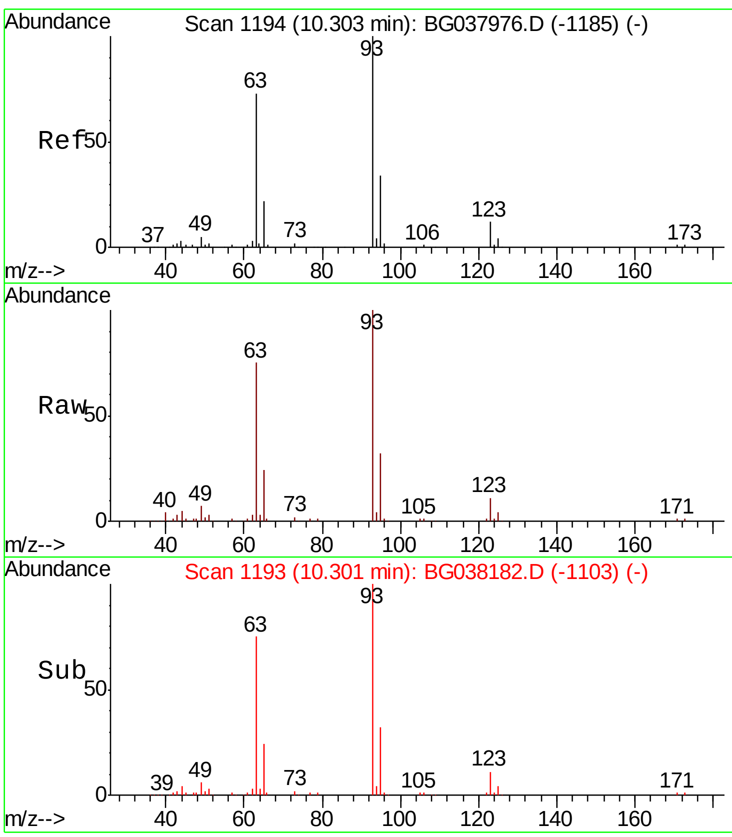


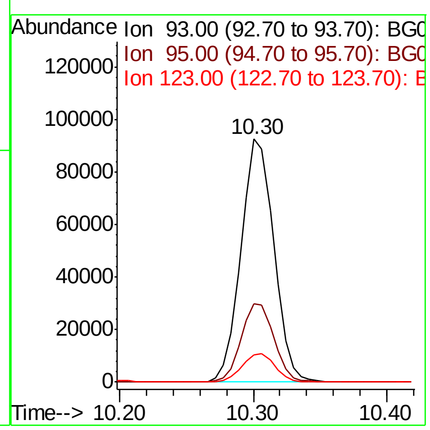


#28
bis(2-Chloroethoxy)methane
Concen: 44.925 ng
RT: 10.30 min   Scan# 1193
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

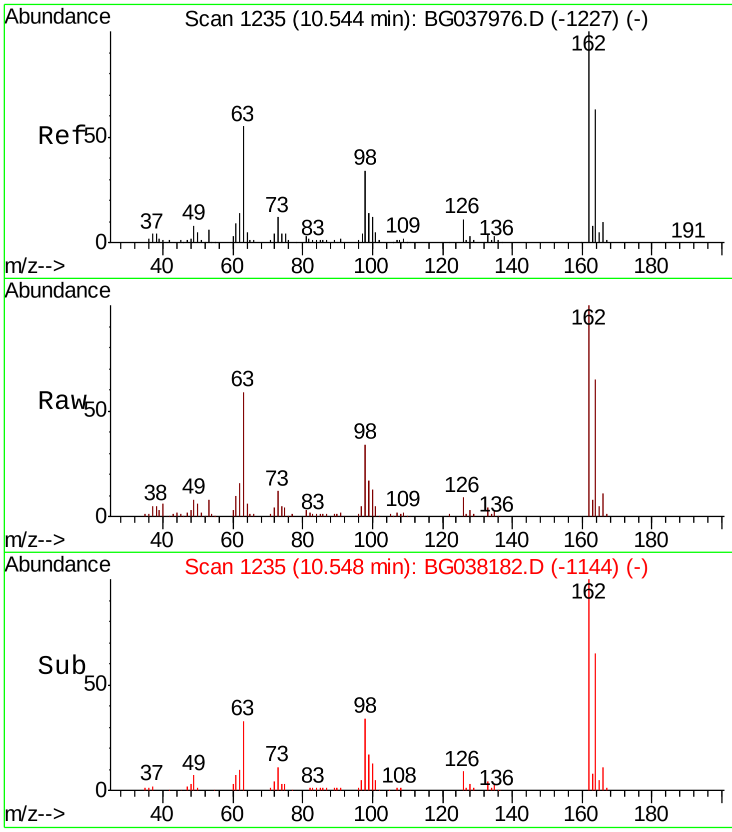
Tgt Ion: 93 Resp: 157397

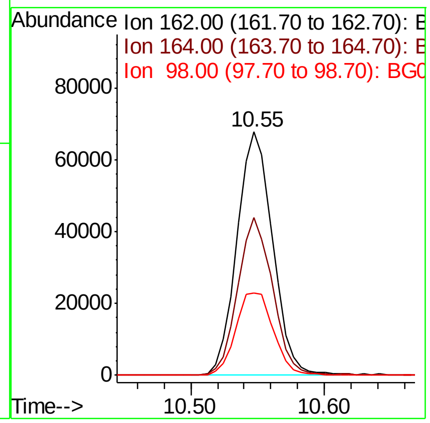
Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.6	37.0
123	11.4	9.1	13.7





Instrument : BNA_G
ClientSampleId : PB115087BS

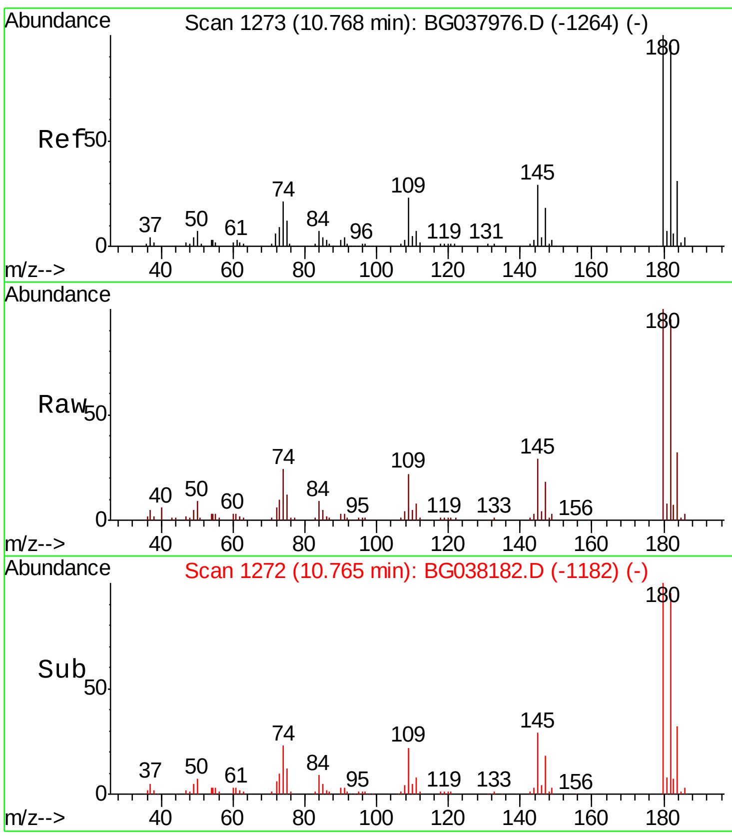


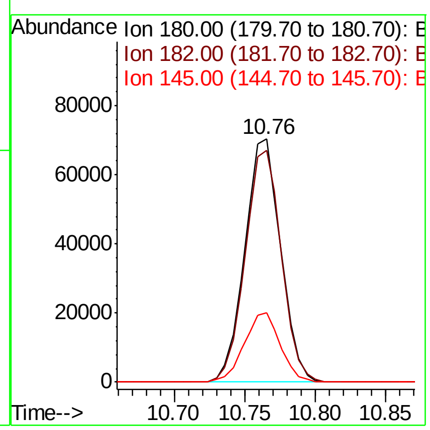


#29
2,4-Dichlorophenol
Concen: 47.730 ng
RT: 10.55 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:162 Resp: 125748

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.2	83.2
98	33.9	16.0	56.0

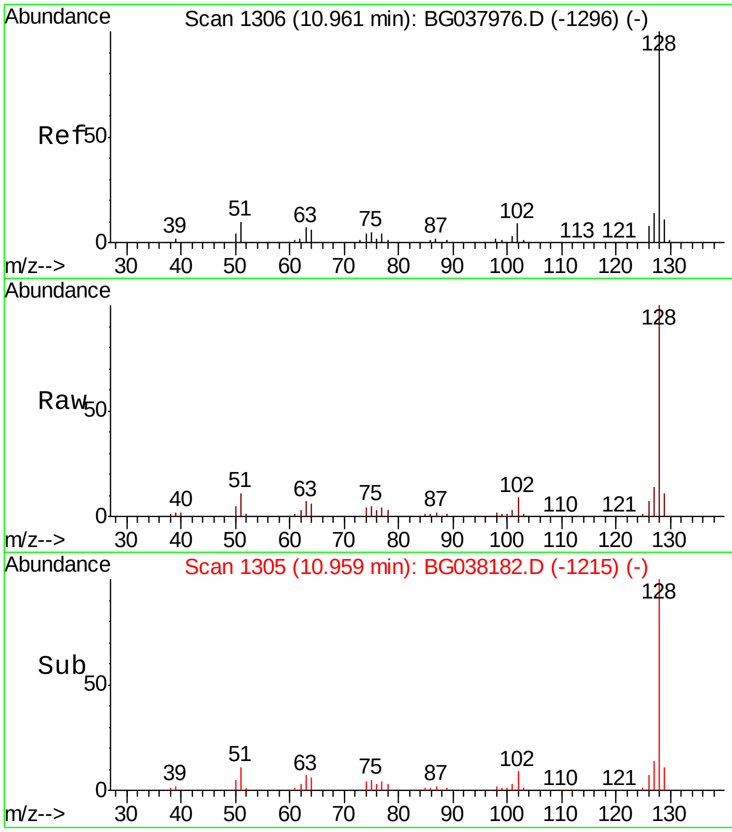




#30
1,2,4-Trichlorobenzene
Concen: 42.575 ng
RT: 10.76 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

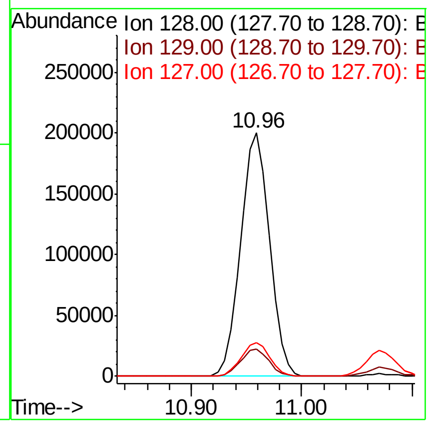
Tgt Ion:180 Resp: 125693

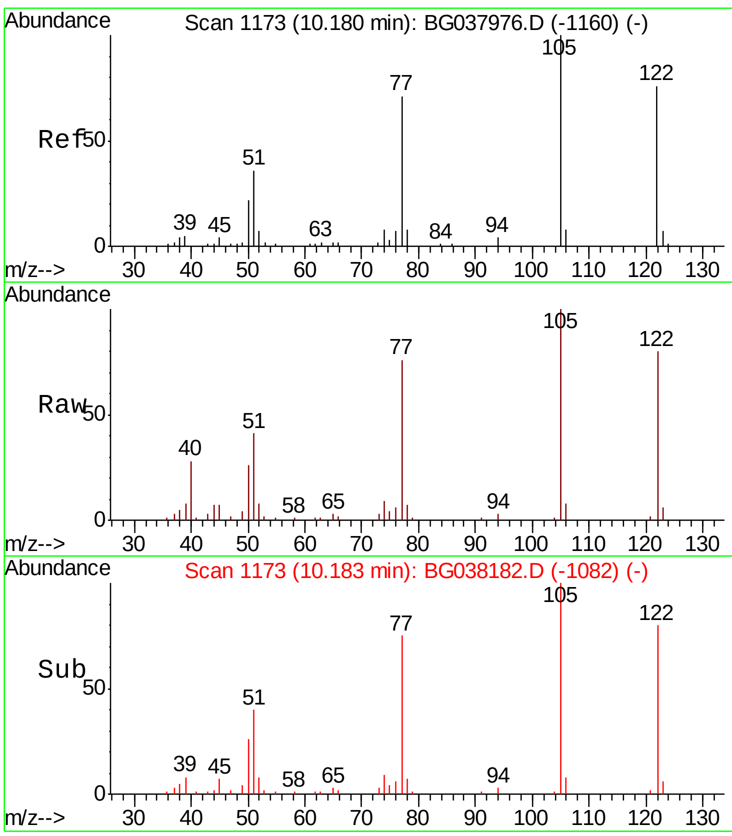
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.7	116.5
145	28.8	23.3	34.9



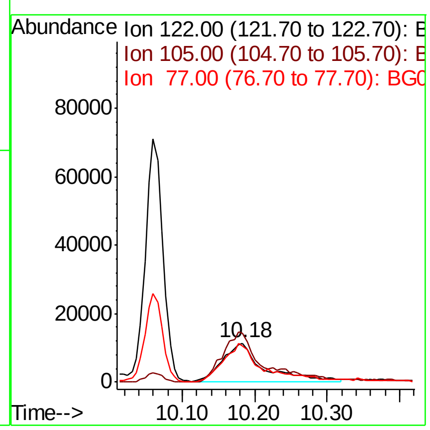

```
#31
Naphthalene
Concen:   46.120 ng
RT: 10.96 min   Scan# 1305
Delta R.T.   -0.00 min
Lab File:   BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:128 Resp:   369638
Ion  Ratio  Lower  Upper
128  100
129   11.3    9.0   13.6
127   13.6   11.1   16.7
```

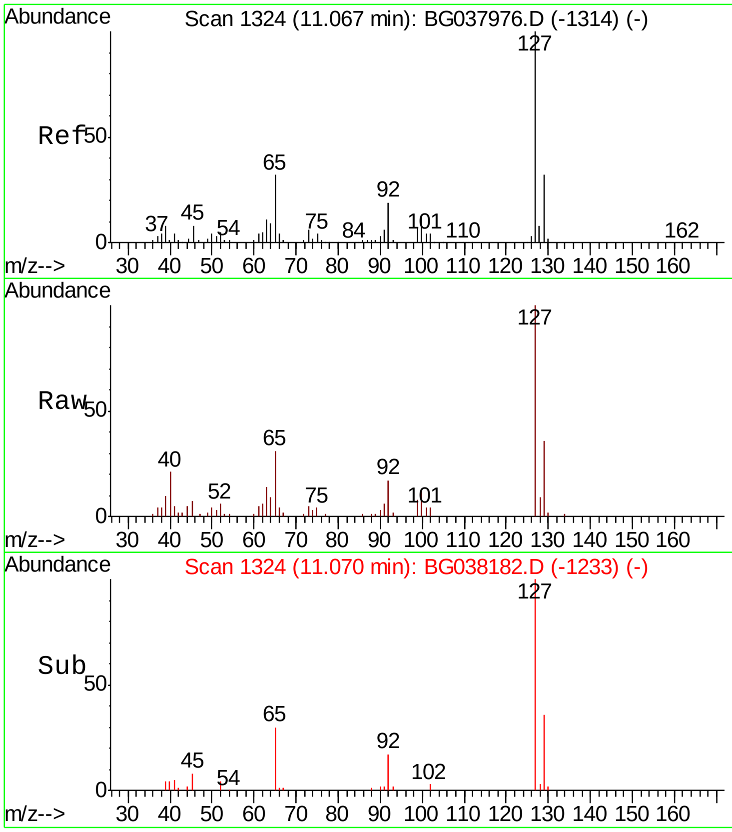
Instrument :
BNA_G
ClientSampleId :
PB115087BS






```
#32
Benzoic acid
Concen:   33.273 ng
RT: 10.18 min   Scan# 1173
Delta R.T.    0.00 min
Lab File:   BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:122 Resp:    42502
Ion  Ratio  Lower  Upper
122  100
105  125.1  106.7  146.7
 77   94.9   72.2  112.2
```



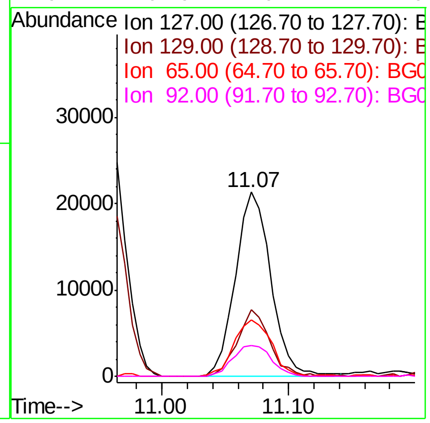


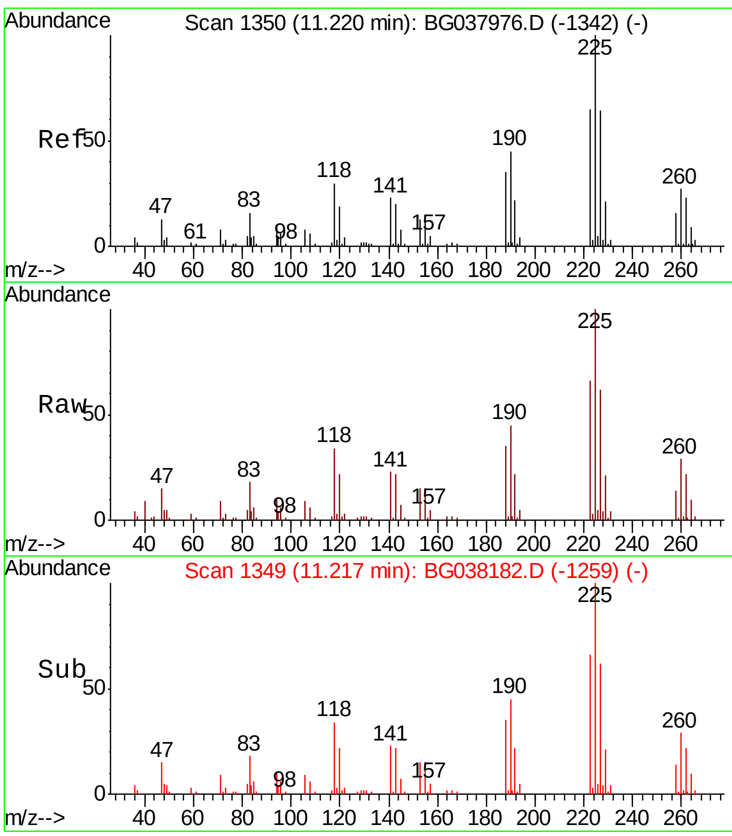
#33
4-Chloroaniline
Concen: 11.100 ng
RT: 11.07 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:127 Resp: 41382

Ion	Ratio	Lower	Upper
127	100		
129	35.9	27.1	40.7
65	30.7	26.6	39.8
92	16.9	16.4	24.6

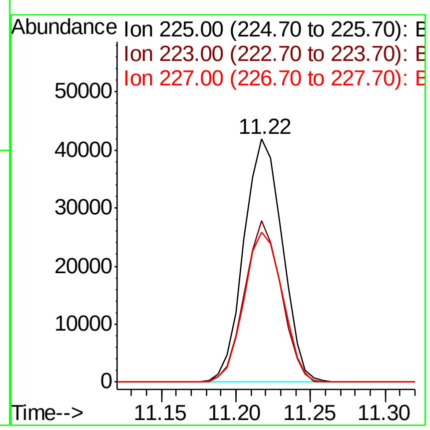


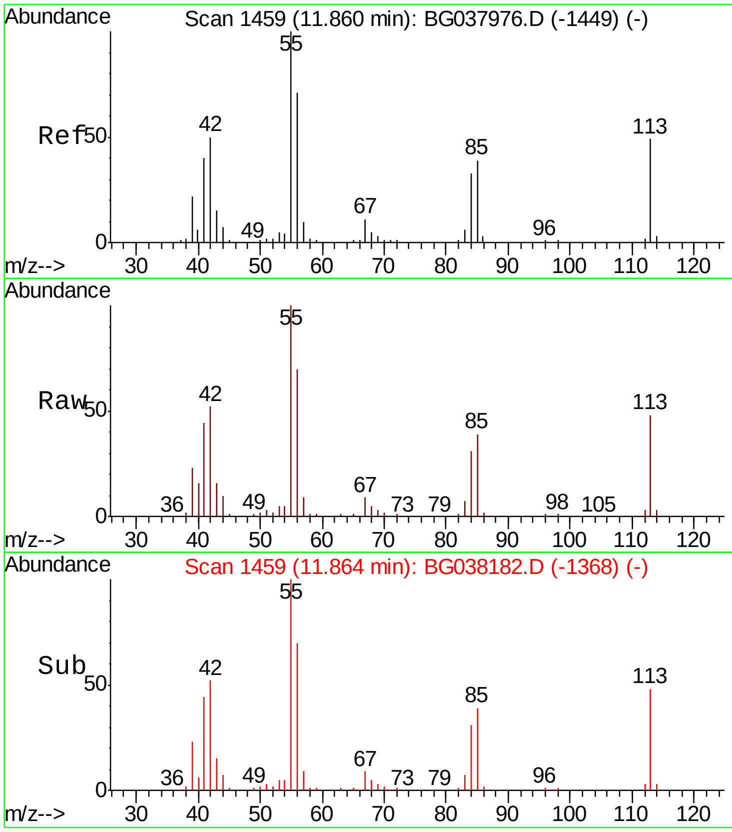


#34
Hexachlorobutadiene
Concen: 41.280 ng
RT: 11.22 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:225 Resp: 75005

Ion	Ratio	Lower	Upper
225	100		
223	63.2	48.2	72.4
227	62.5	51.6	77.4



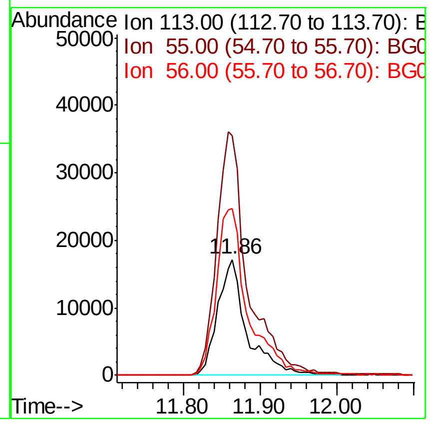


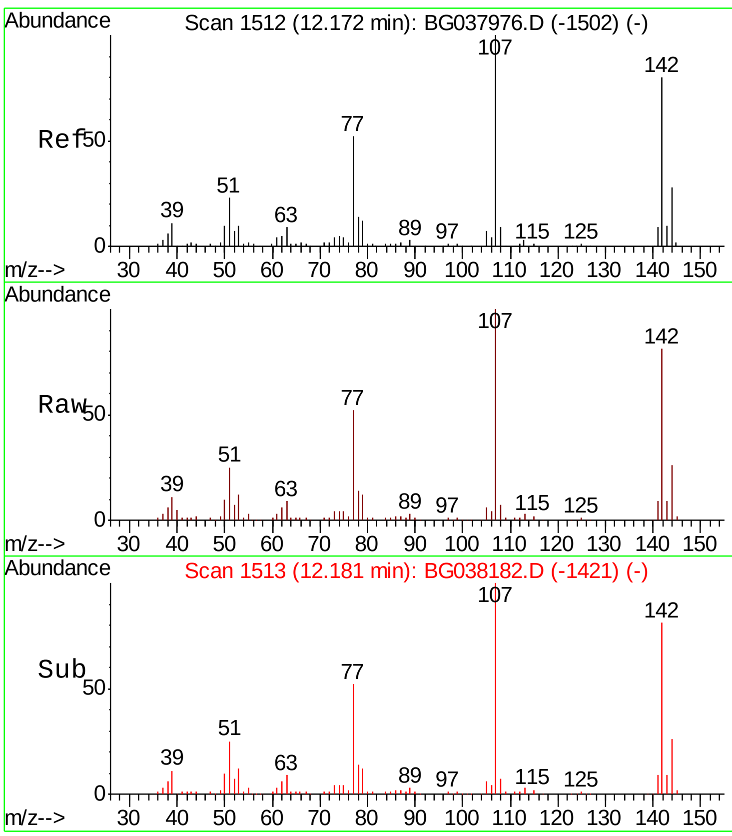
#35
Caprolactam
Concen: 42.799 ng
RT: 11.86 min   Scan# 1459
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:113 Resp: 45133

Ion	Ratio	Lower	Upper
113	100		
55	206.5	176.6	216.6
56	144.0	128.3	168.3

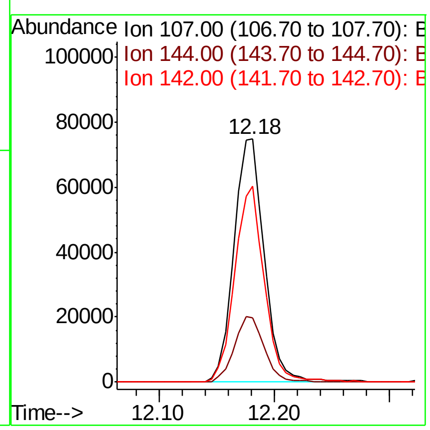


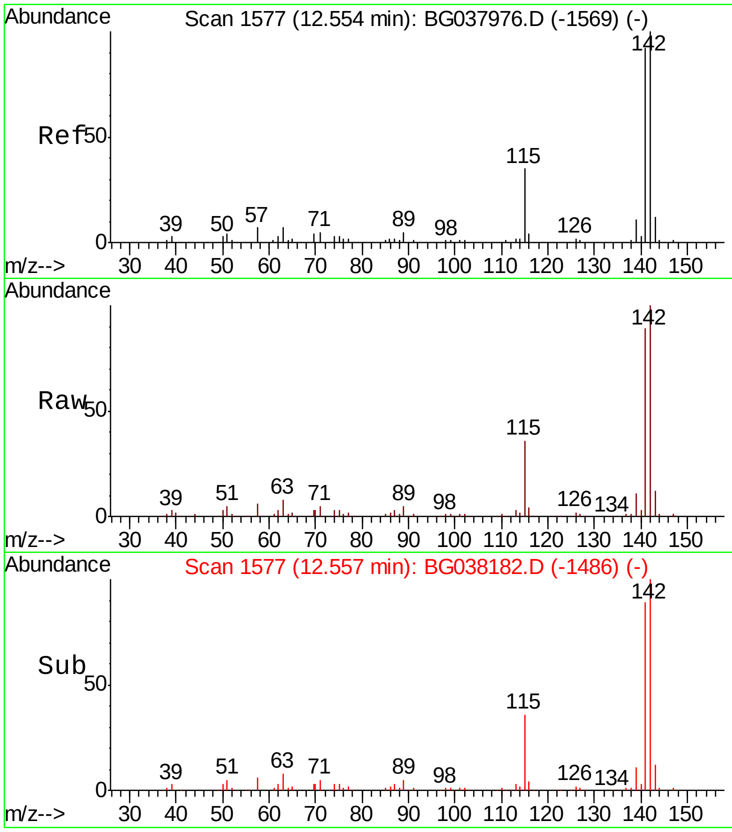


#36
4-Chloro-3-methylphenol
Concen: 47.312 ng
RT: 12.18 min   Scan# 1513
Delta R.T.   0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:107 Resp: 136178

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.7	31.1
142	80.6	64.4	96.6



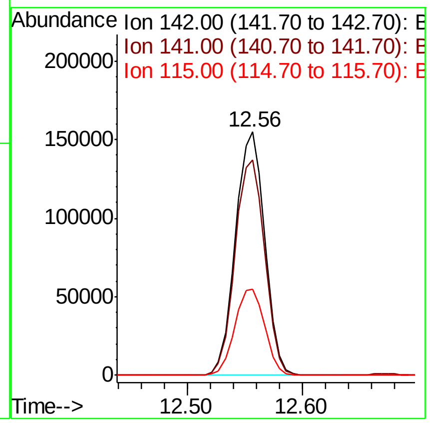


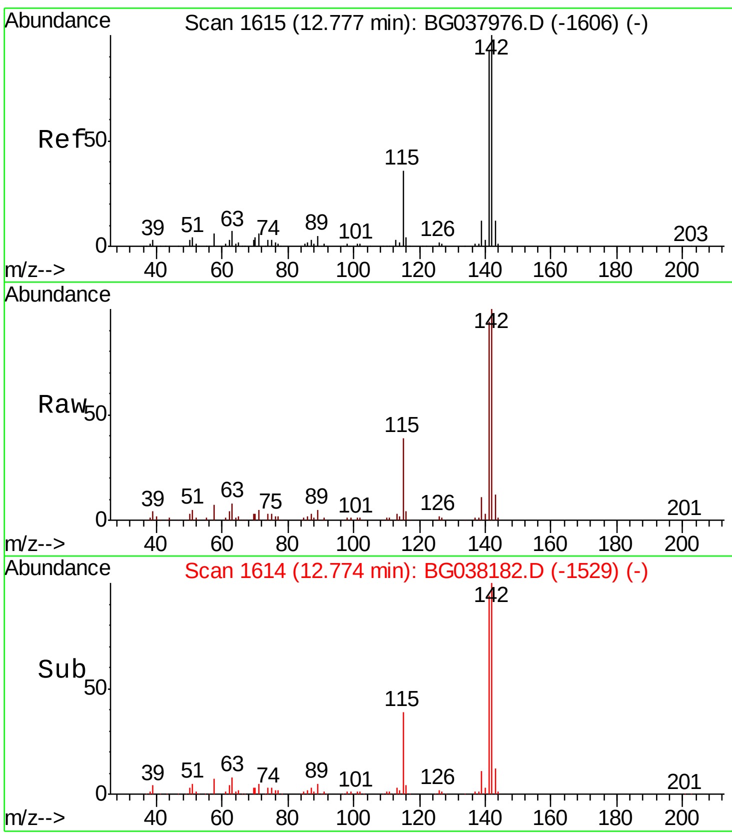
#37
2-Methylnaphthalene
Concen: 47.234 ng
RT: 12.56 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:142 Resp: 271928

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.9	107.9
115	35.6	27.8	41.8

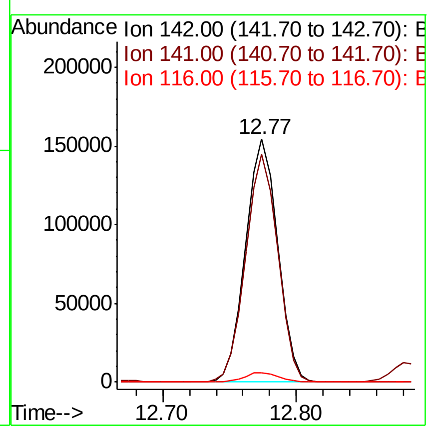


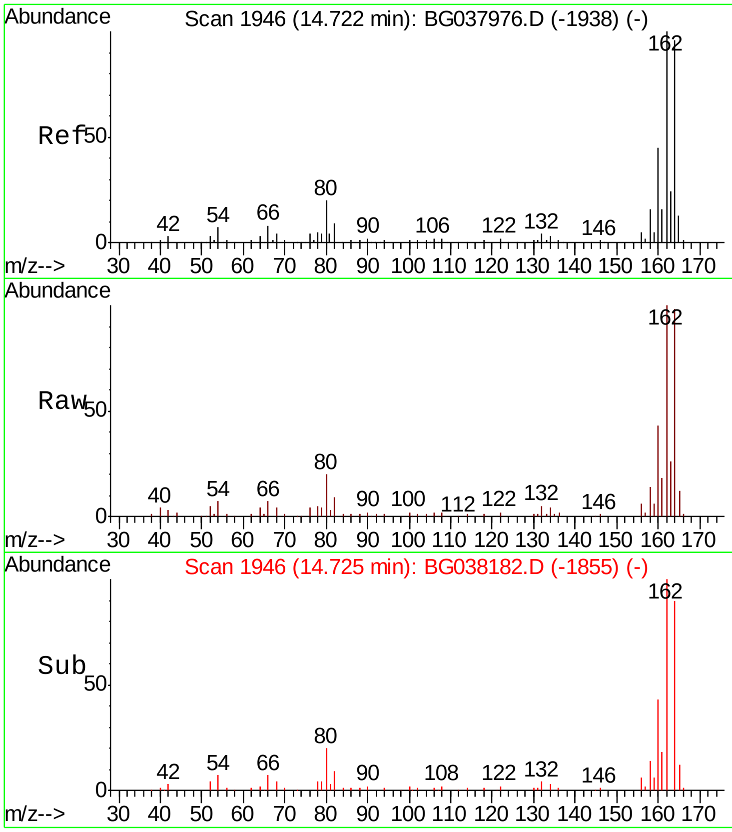


#38
1-Methylnaphthalene
Concen: 46.526 ng
RT: 12.77 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:142 Resp: 257823

Ion	Ratio	Lower	Upper
142	100		
141	93.8	75.2	112.8
116	4.0	3.3	4.9



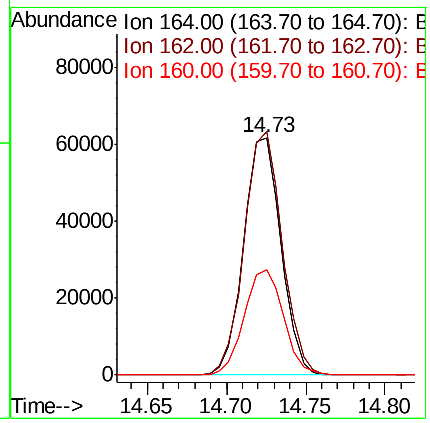


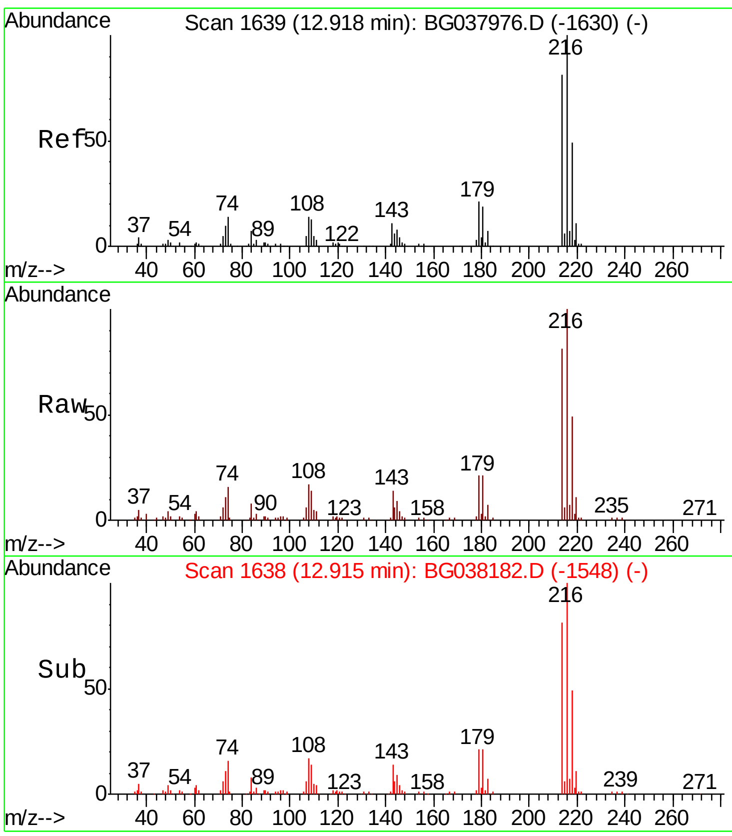
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:164 Resp: 101045

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.3	121.9
160	44.5	36.3	54.5

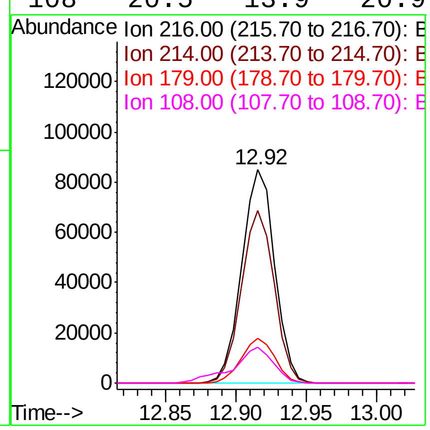




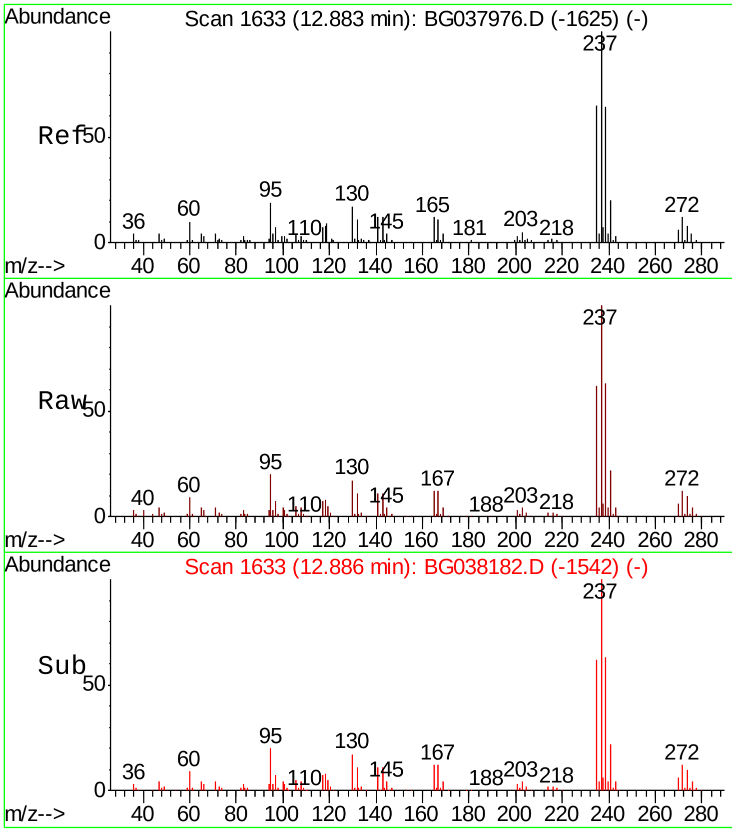
#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.243 ng
RT: 12.92 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:216 Resp: 139256

Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.8	95.6
179	21.1	17.4	26.0
108	20.5	13.9	20.9



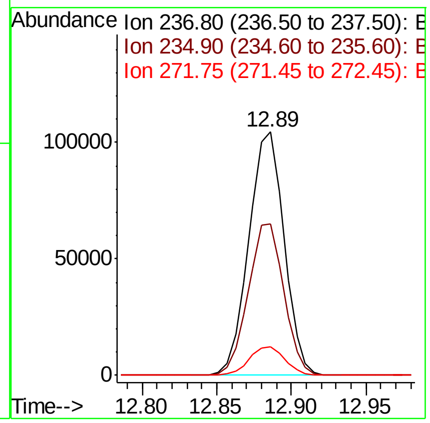
Instrument : BNA_G
ClientSampleId : PB115087BS

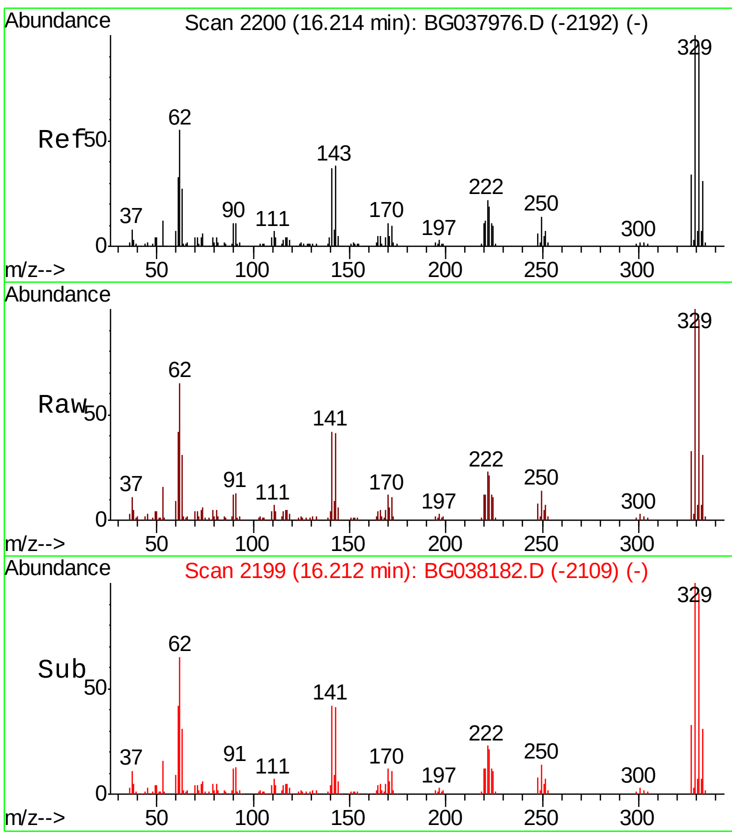


#41
Hexachlorocyclopentadiene
Concen: 94.578 ng
RT: 12.89 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:237 Resp: 170999

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.5	82.5
272	11.7	0.0	31.6

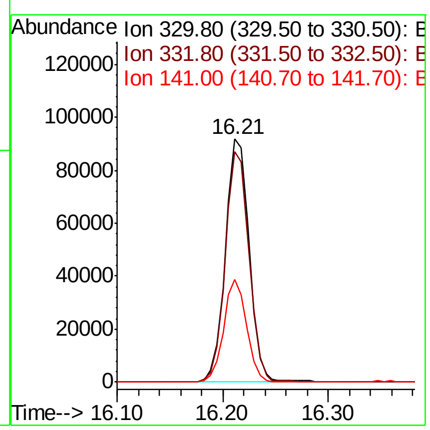


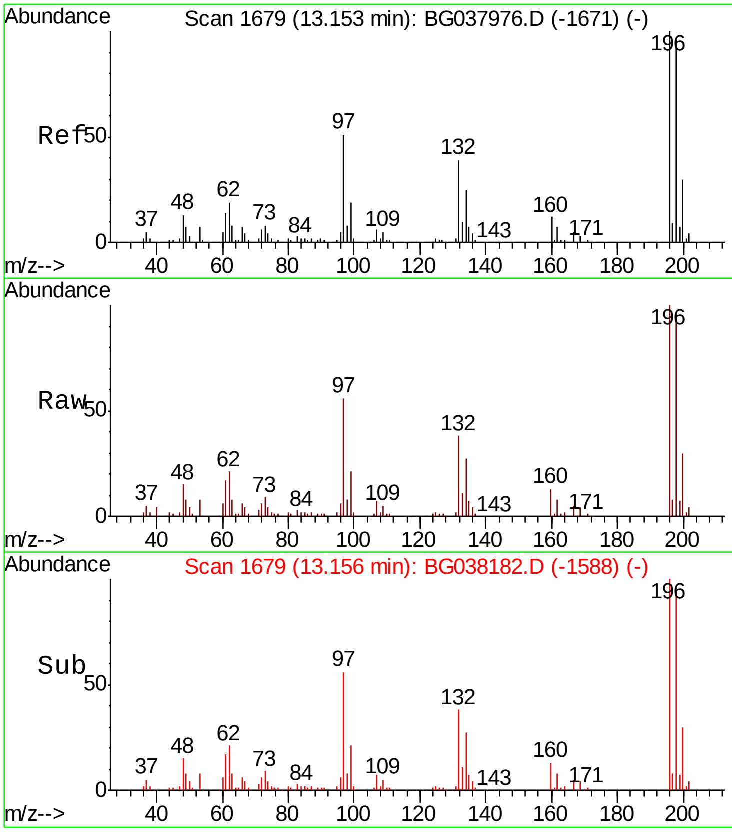


#42
2,4,6-Tribromophenol
Concen: 124.891 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:330 Resp: 143924

Ion	Ratio	Lower	Upper
330	100		
332	94.5	78.4	117.6
141	40.7	32.2	48.2



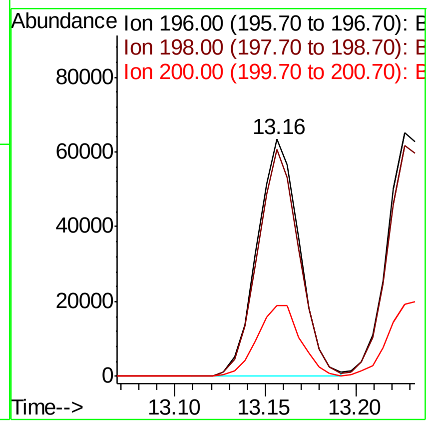


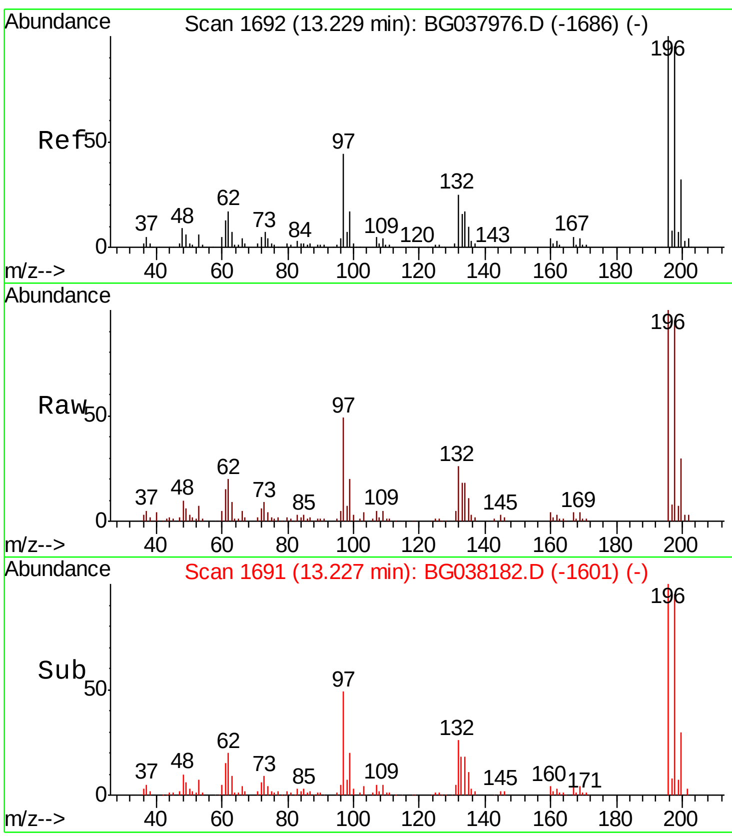
#43
2,4,6-Trichlorophenol
Concen: 44.535 ng
RT: 13.16 min Scan# 1679
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:196 Resp: 102468

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.4	114.6
200	30.0	24.9	37.3

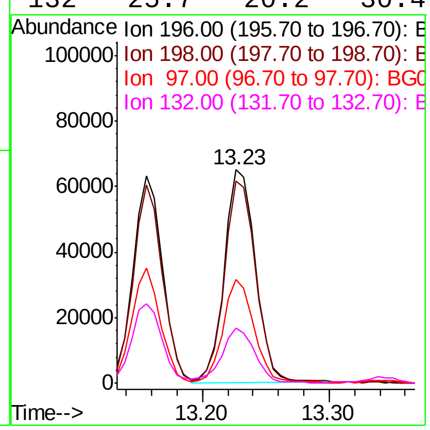


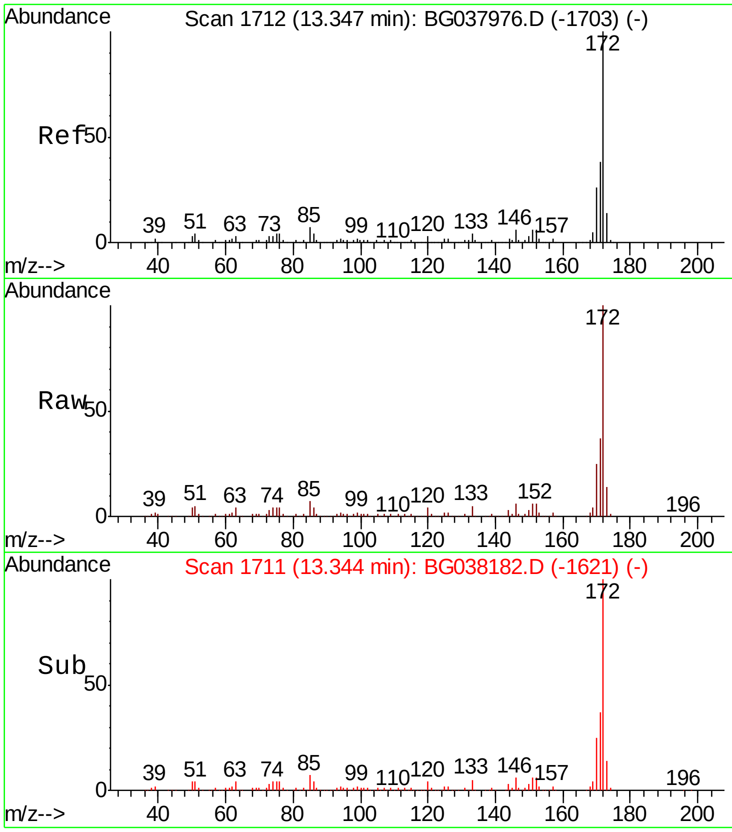


#44
2,4,5-Trichlorophenol
Concen: 45.666 ng
RT: 13.23 min Scan# 1691
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:196 Resp: 110554

Ion	Ratio	Lower	Upper
196	100		
198	94.8	74.2	111.2
97	48.5	34.1	51.1
132	25.7	20.2	30.4



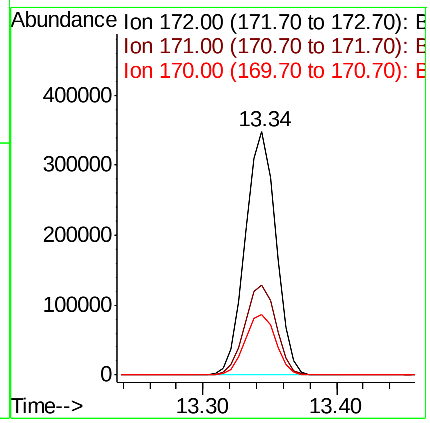


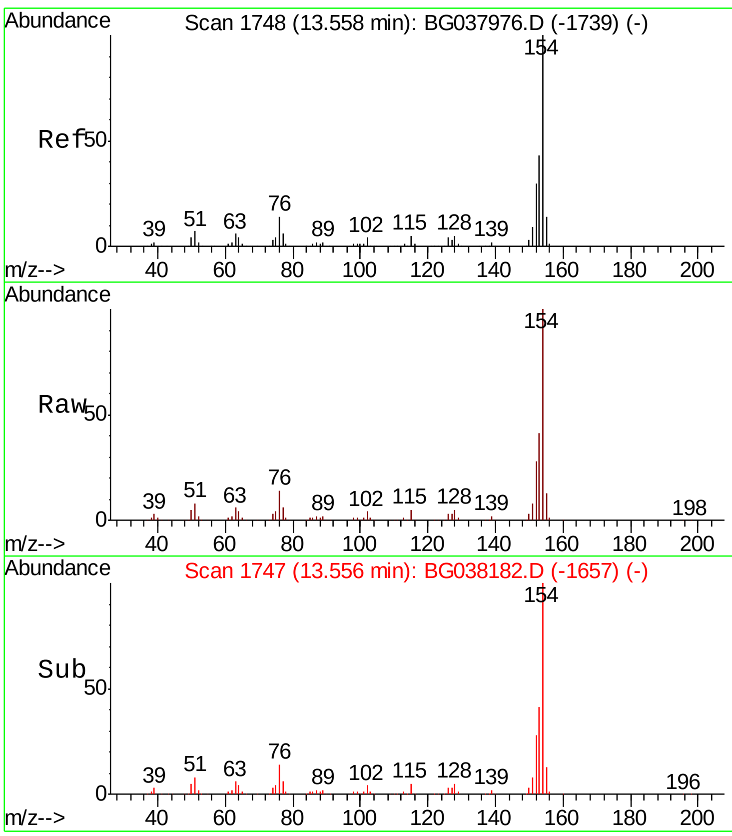
#45
2-Fluorobiphenyl
Concen: 79.571 ng
RT: 13.34 min   Scan# 1711
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:172 Resp: 551894

Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	24.7	20.2	30.2

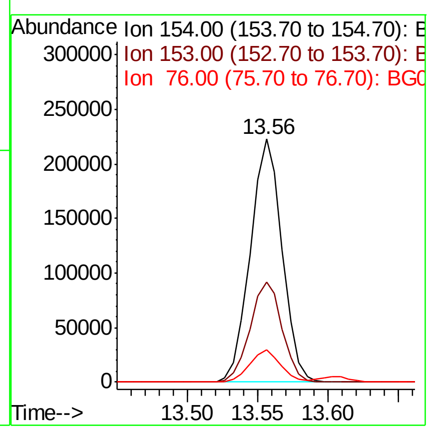


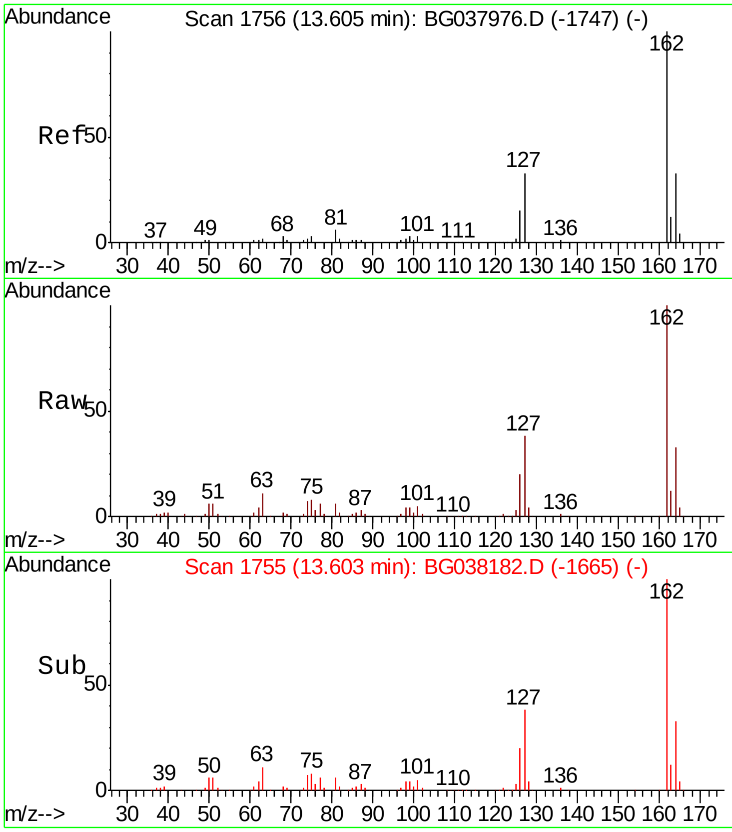


#46
1,1'-Biphenyl
Concen: 41.350 ng
RT: 13.56 min   Scan# 1747
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:154 Resp: 351019

Ion	Ratio	Lower	Upper
154	100		
153	41.3	22.1	62.1
76	13.5	0.0	33.2



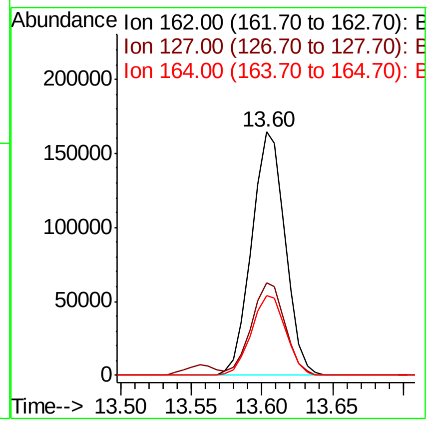


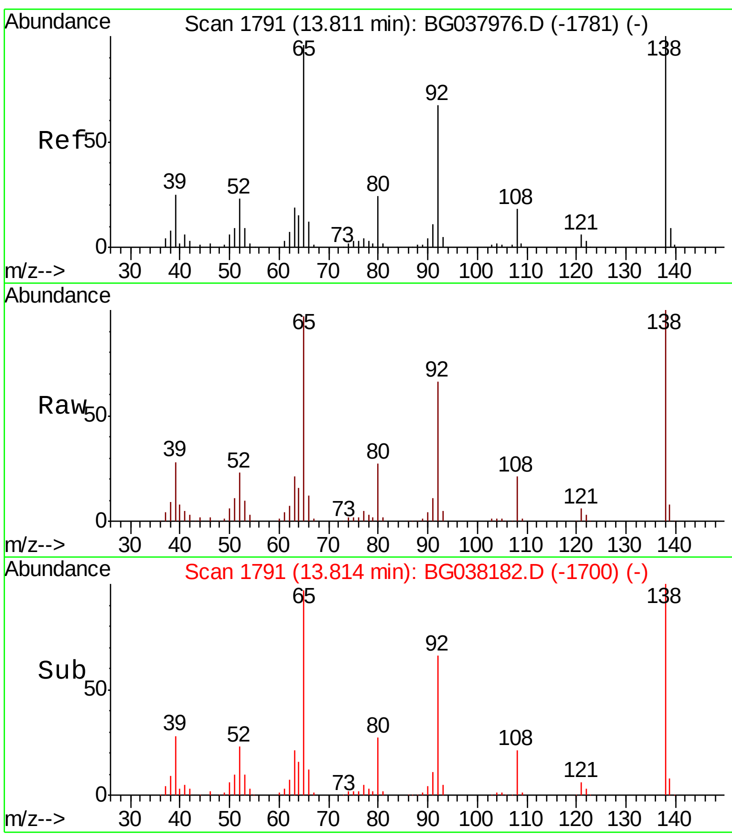
#47
2-Chloronaphthalene
Concen: 42.517 ng
RT: 13.60 min Scan# 1755
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:162 Resp: 275415

Ion	Ratio	Lower	Upper
162	100		
127	37.8	30.5	45.7
164	32.6	26.4	39.6

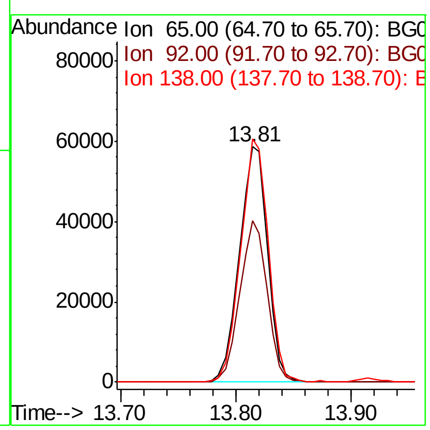


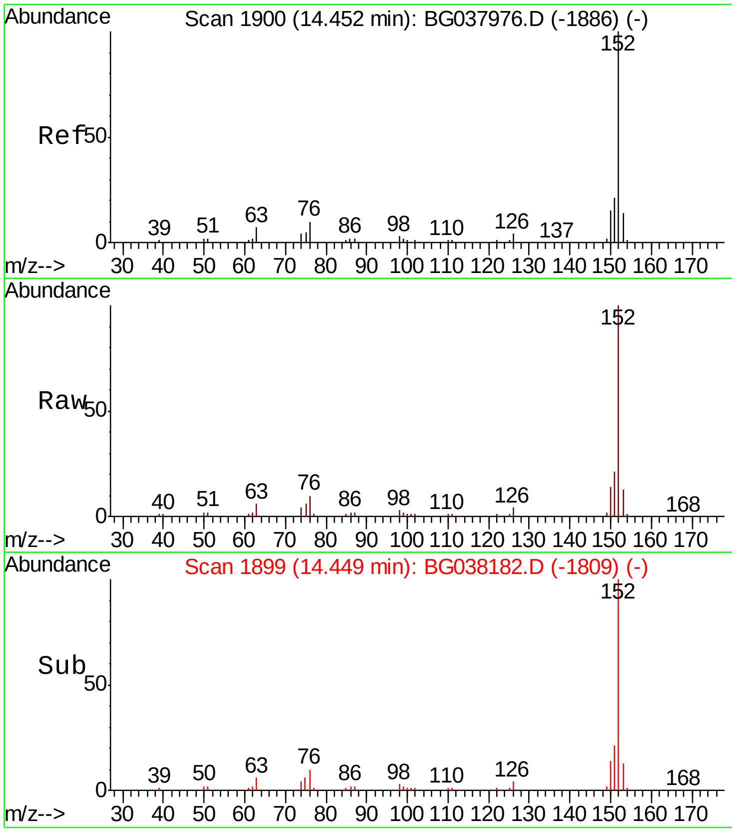


#48
2-Nitroaniline
Concen: 48.598 ng
RT: 13.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion: 65 Resp: 99079

Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.2	79.8
138	103.4	79.3	118.9



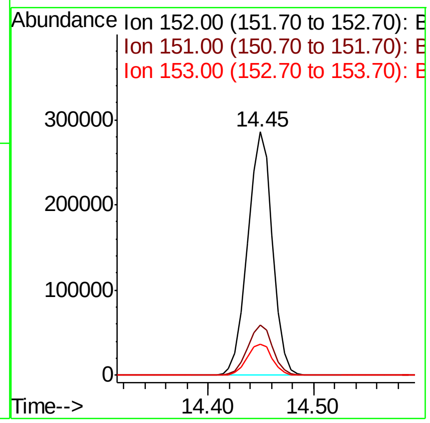


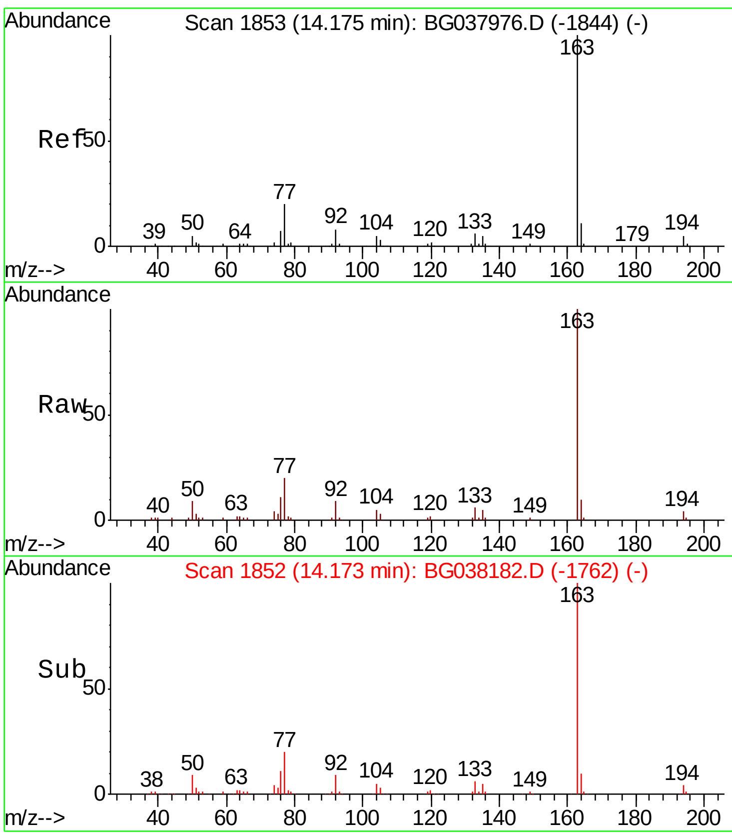
#49
Acenaphthylene
Concen: 47.792 ng
RT: 14.45 min Scan# 1899
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:152 Resp: 465546

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.1	25.7
153	13.0	11.1	16.7

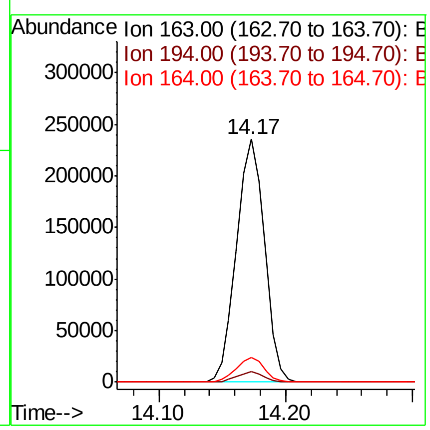


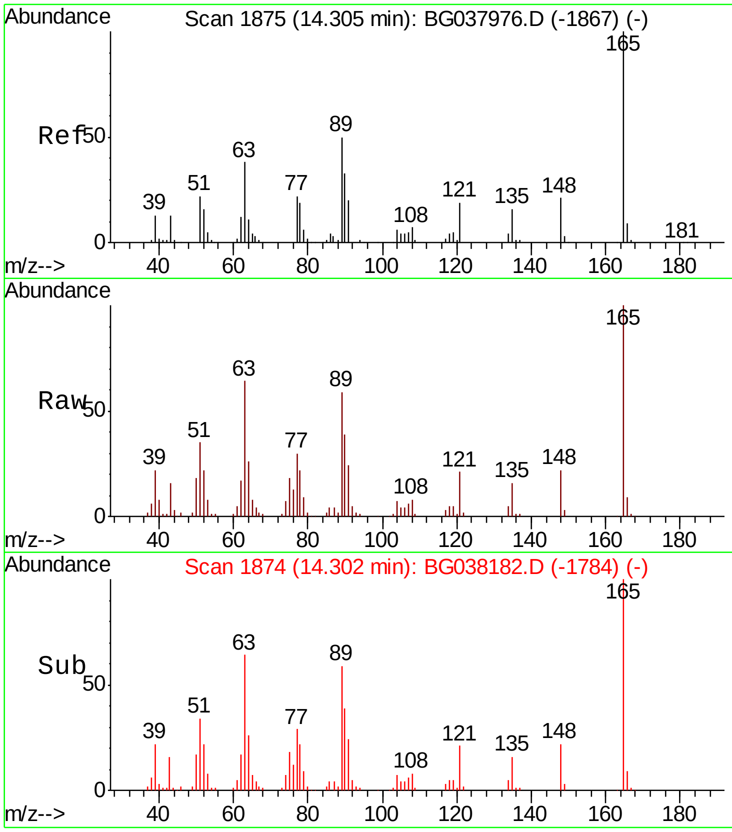


#50
Dimethylphthalate
Concen: 45.078 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:163 Resp: 361105

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.5	12.7



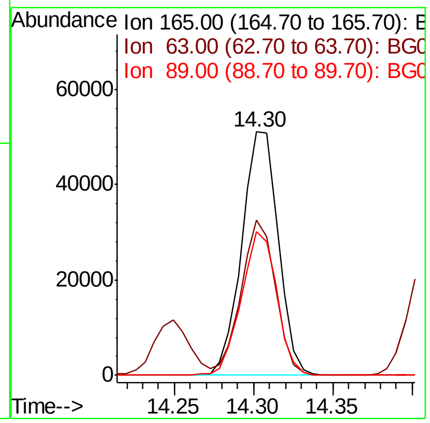


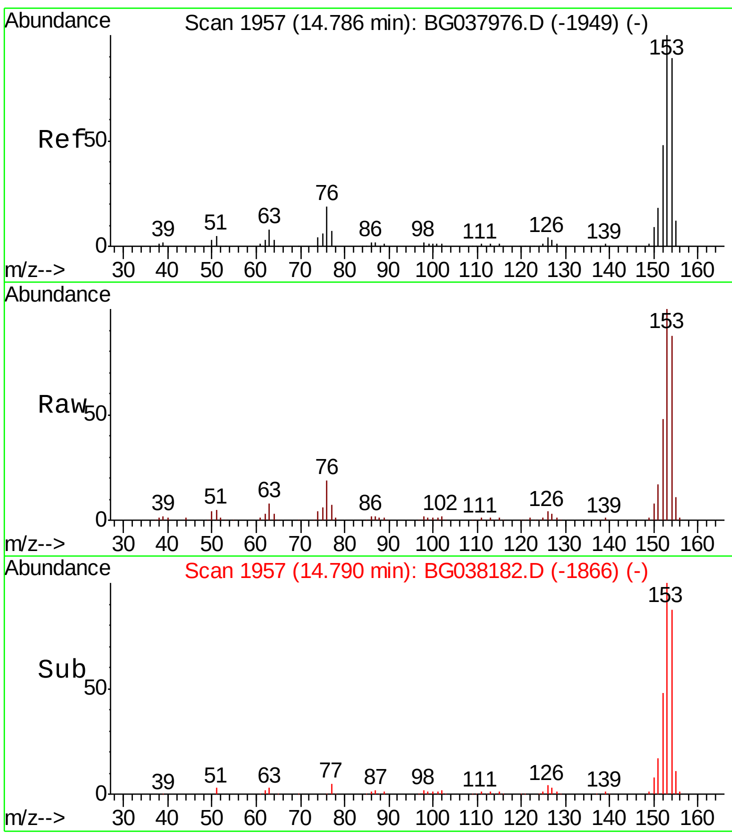
#51
2,6-Dinitrotoluene
Concen: 45.111 ng
RT: 14.30 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:165 Resp: 81787

Ion	Ratio	Lower	Upper
165	100		
63	63.9	43.4	65.2
89	59.0	45.8	68.6

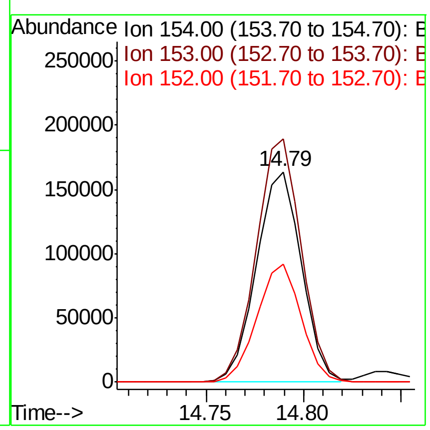


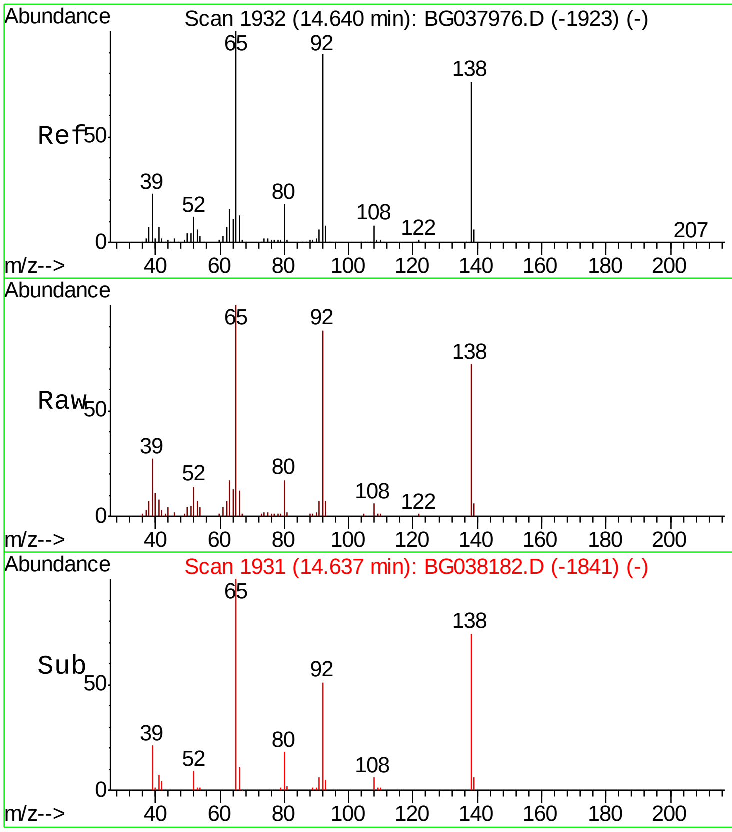


#52
Acenaphthene
Concen: 44.647 ng
RT: 14.79 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:154 Resp: 261825

Ion	Ratio	Lower	Upper
154	100		
153	115.5	93.4	140.0
152	56.0	44.7	67.1



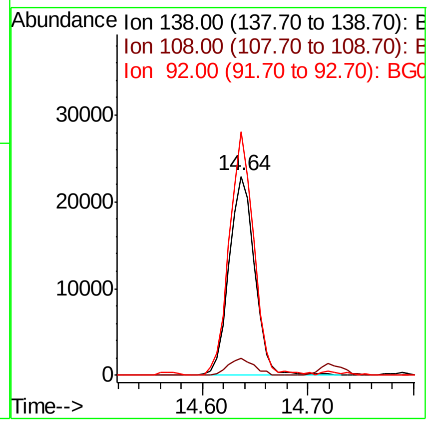


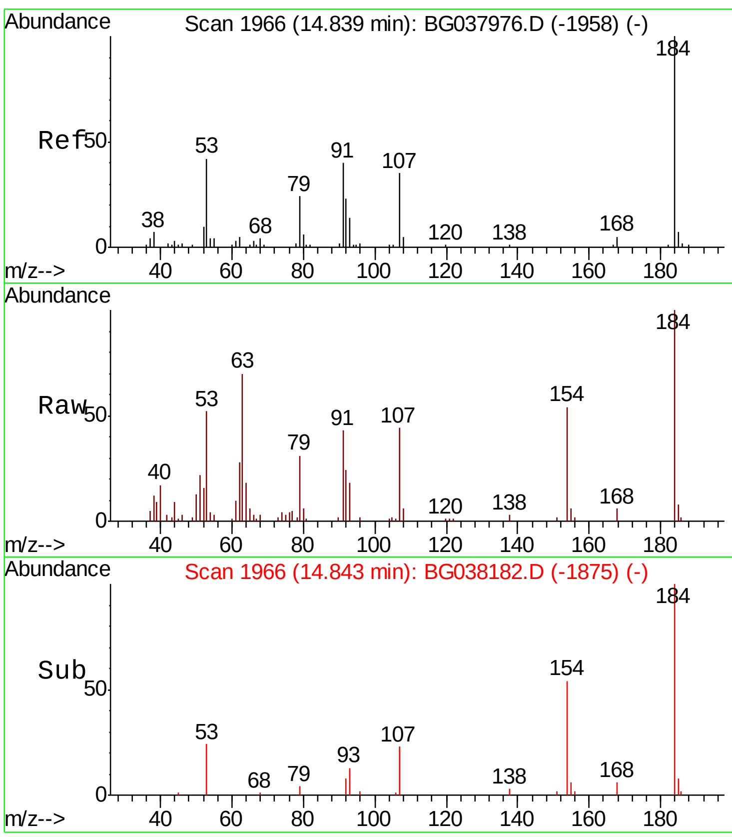
#53
3-Nitroaniline
Concen: 19.098 ng
RT: 14.64 min Scan# 1931
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:138 Resp: 38208

Ion	Ratio	Lower	Upper
138	100		
108	8.8	11.0	16.6#
92	122.2	95.2	142.8

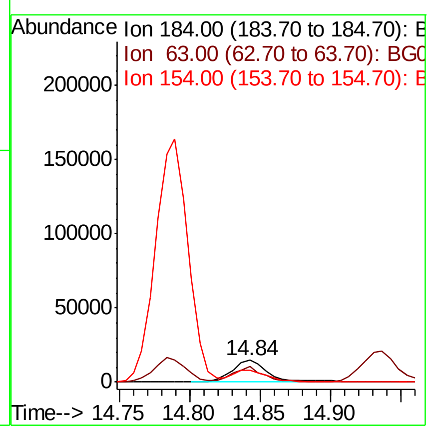


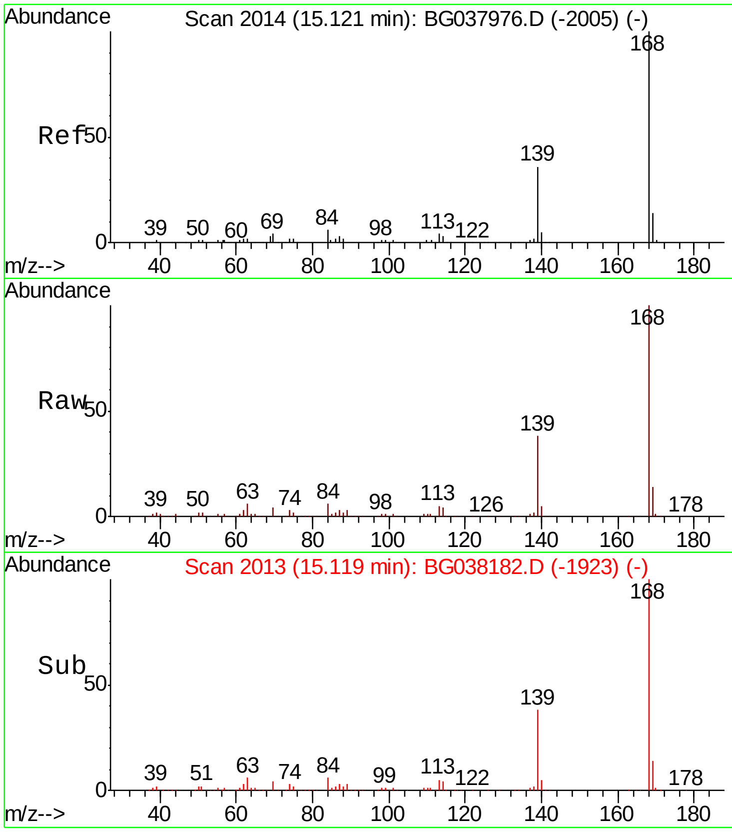


#54
2,4-Dinitrophenol
Concen: 33.017 ng
RT: 14.84 min Scan# 1966
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:184 Resp: 26271

Ion	Ratio	Lower	Upper
184	100		
63	70.1	42.6	63.8#
154	54.2	41.8	62.6



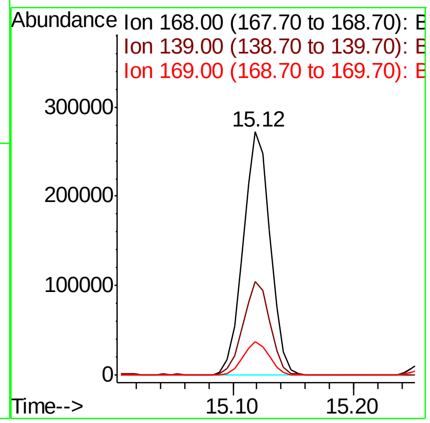


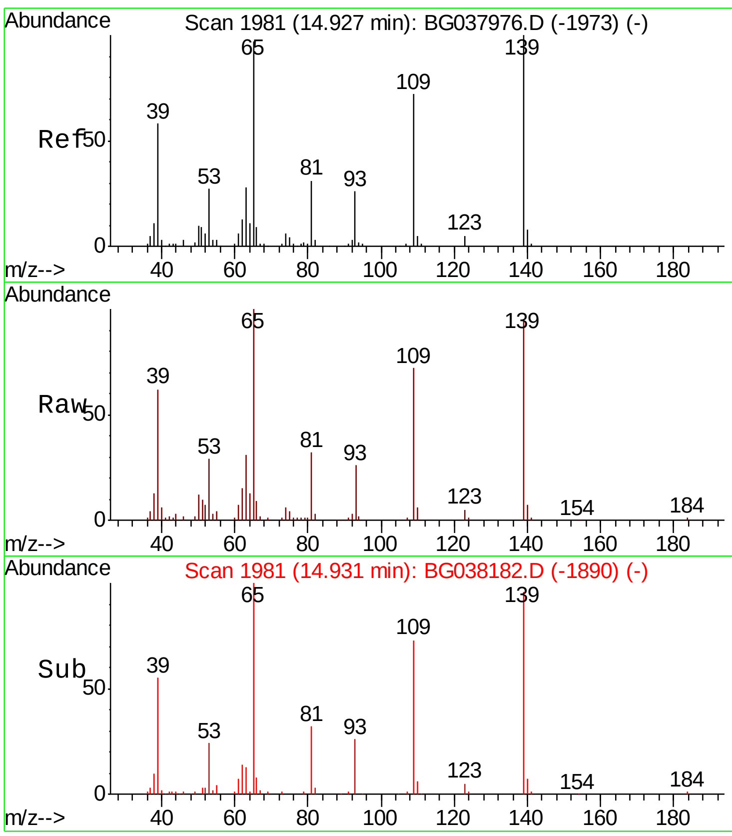
#55
Dibenzofuran
Concen: 43.999 ng
RT: 15.12 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:168 Resp: 426661

Ion	Ratio	Lower	Upper
168	100		
139	38.4	29.4	44.0
169	13.6	11.0	16.6

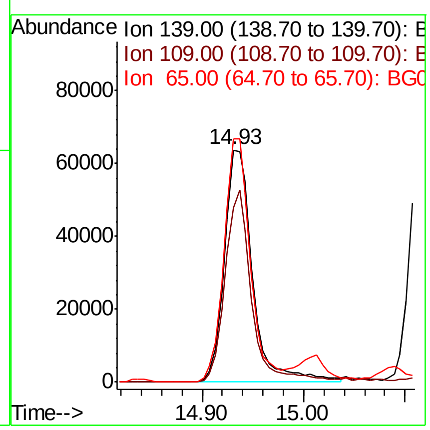


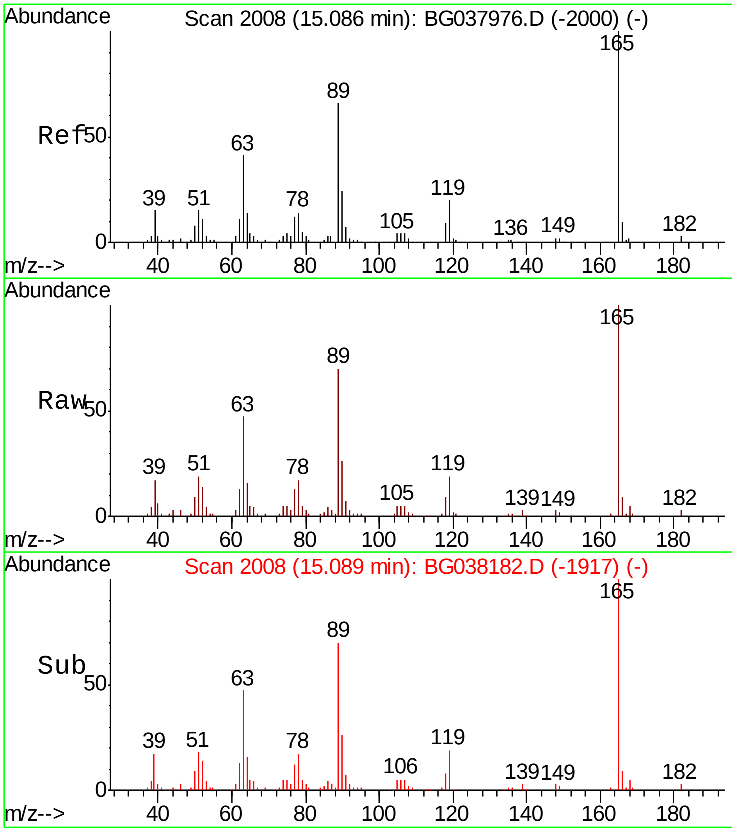


#56
4-Nitrophenol
Concen: 80.146 ng
RT: 14.93 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:139 Resp: 123662

Ion	Ratio	Lower	Upper
139	100		
109	75.3	49.5	89.5
65	104.8	76.8	116.8



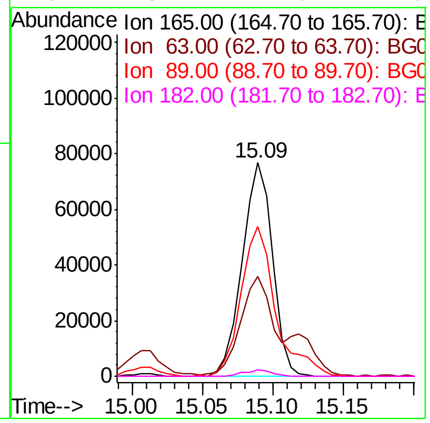


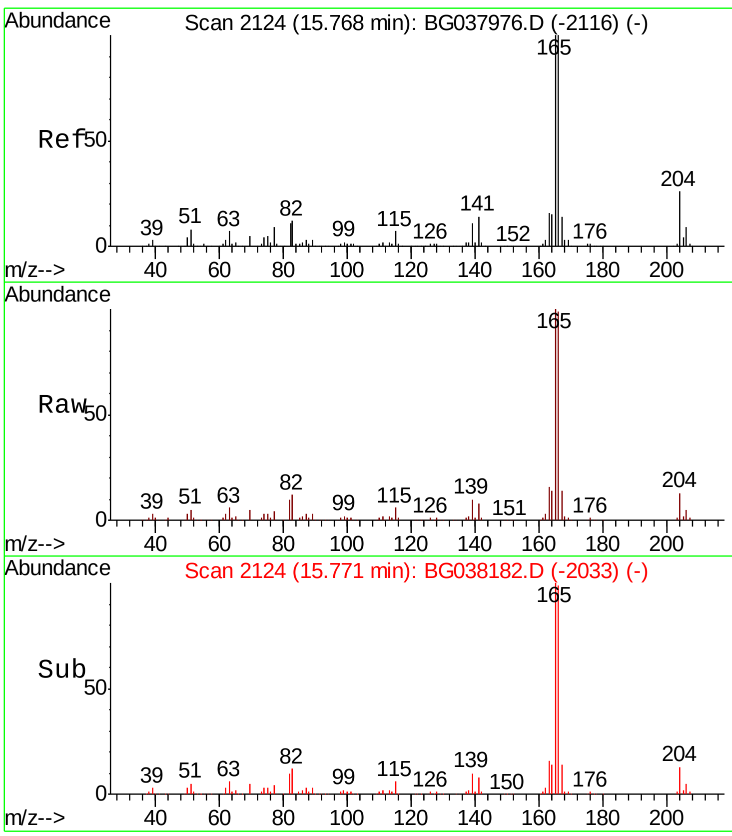
#57
2,4-Dinitrotoluene
Concen: 46.653 ng
RT: 15.09 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:165 Resp: 115082

Ion	Ratio	Lower	Upper
165	100		
63	46.9	33.4	50.0
89	70.1	57.2	85.8
182	3.1	2.6	4.0

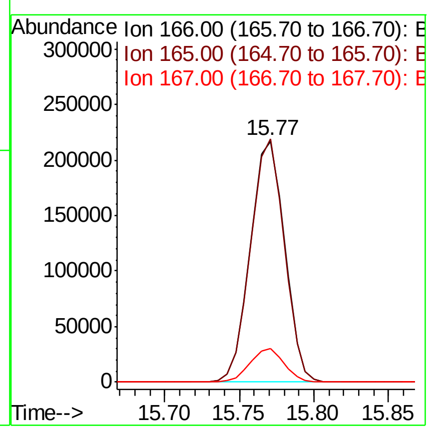


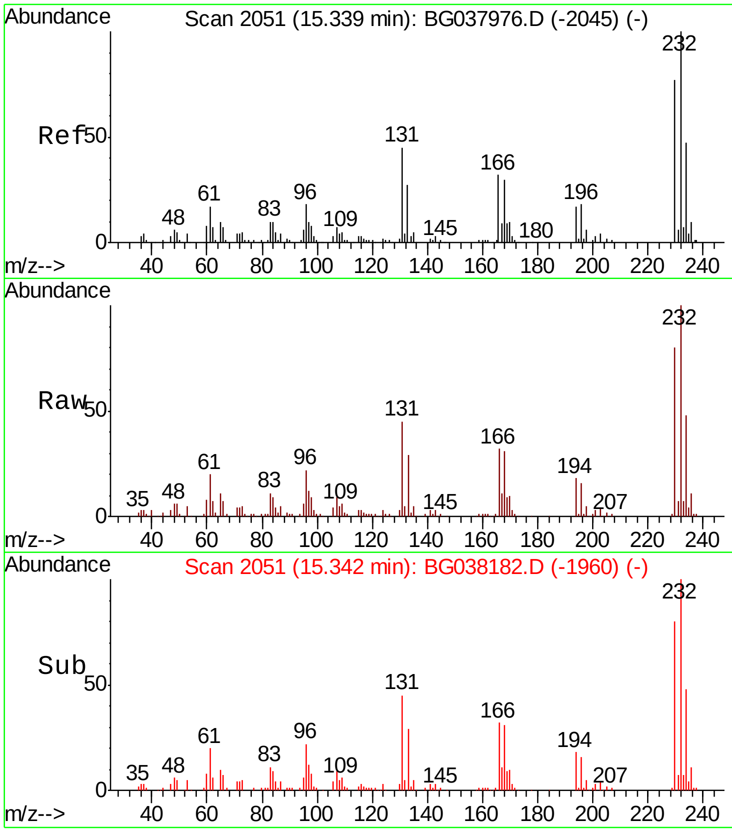


#58
Fluorene
Concen: 47.716 ng
RT: 15.77 min Scan# 2124
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:166 Resp: 345230

Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.0	118.6
167	14.2	11.3	16.9



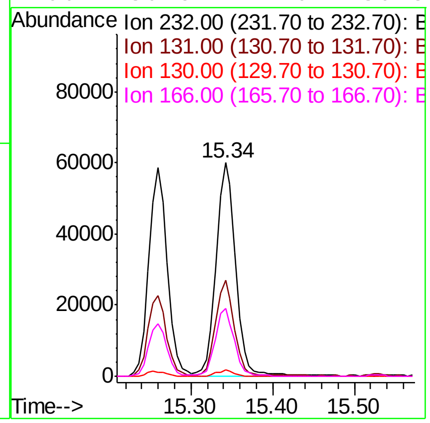


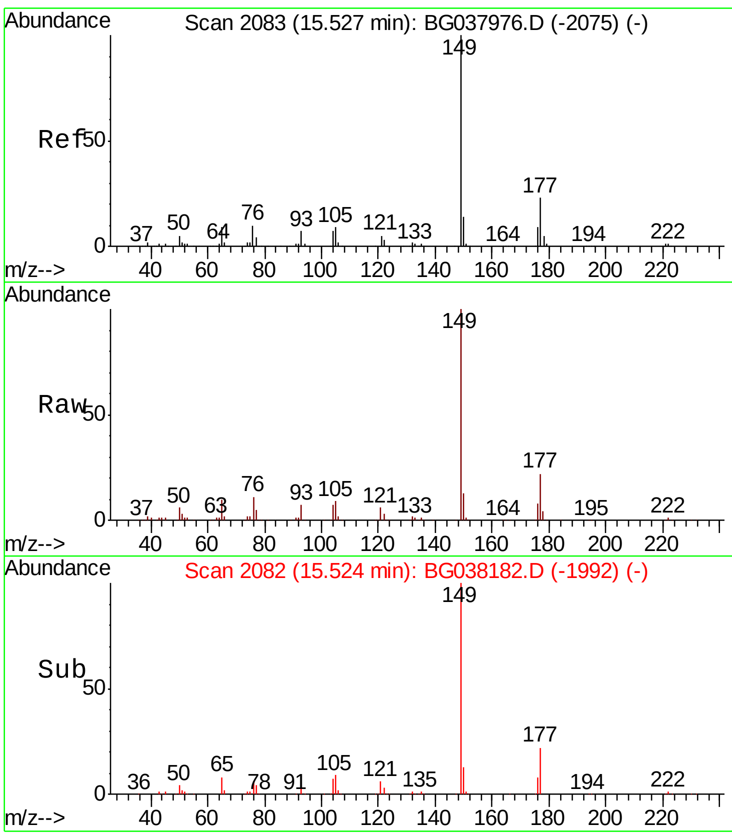
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.930 ng
RT: 15.34 min   Scan# 2051
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:232 Resp: 101146

Ion	Ratio	Lower	Upper
232	100		
131	42.0	33.7	50.5
130	2.5	2.1	3.1
166	30.5	24.6	36.8

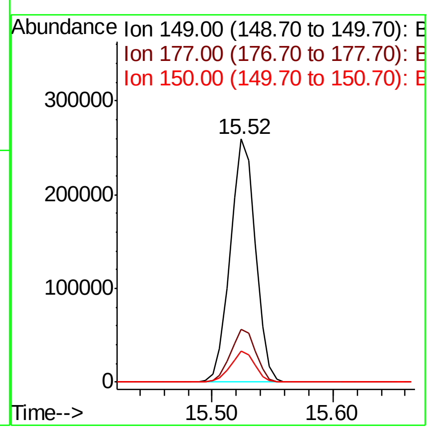


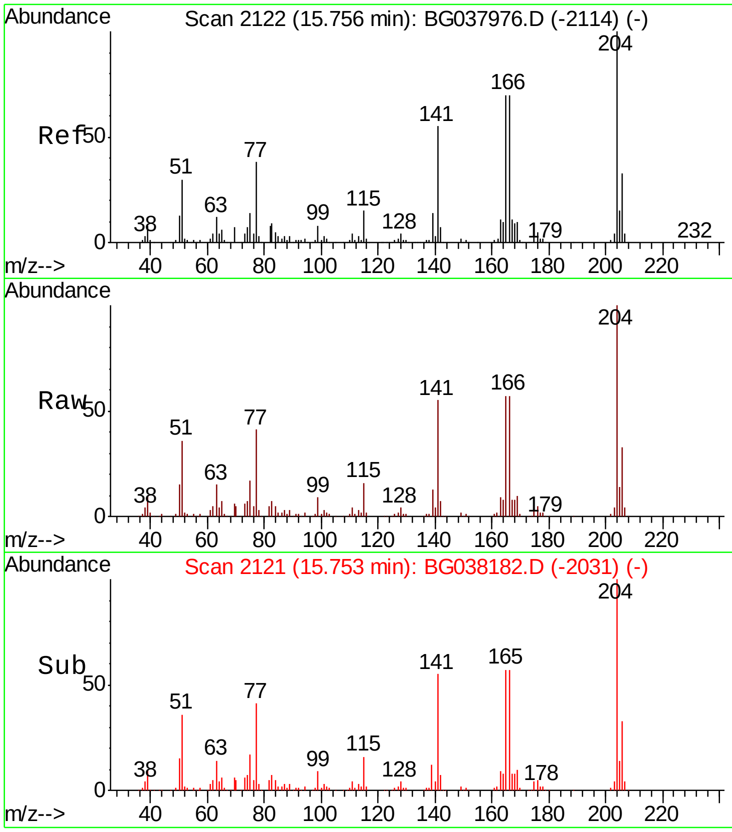


#60
Diethylphthalate
Concen: 44.273 ng
RT: 15.52 min   Scan# 2082
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:149 Resp: 376690

Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.3	27.5
150	12.9	10.0	15.0



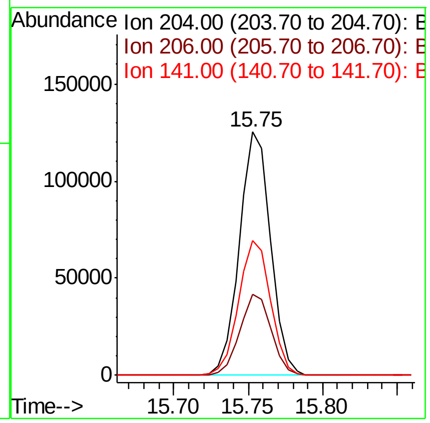


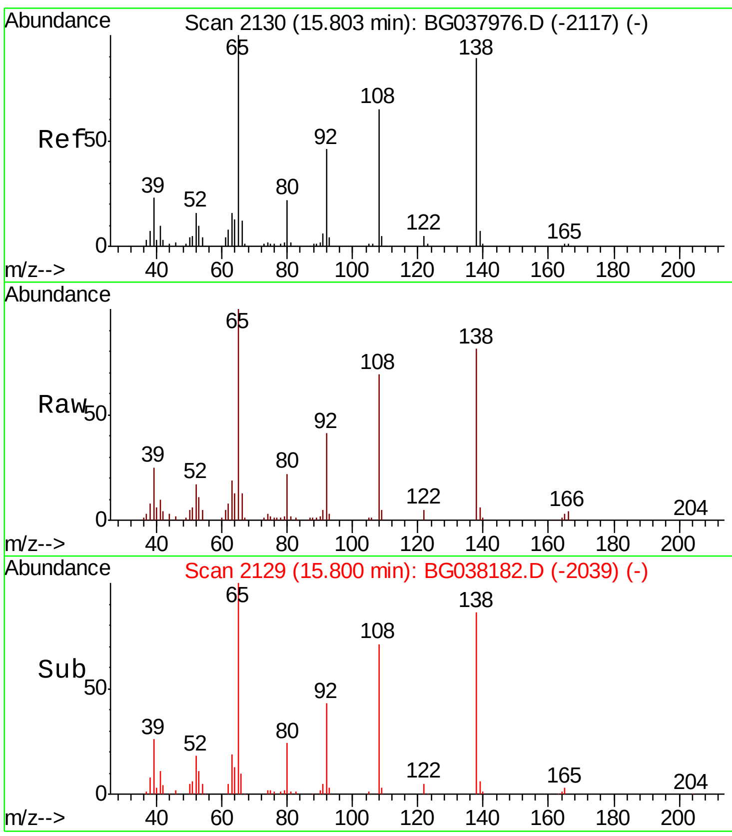
#61
4-Chlorophenyl-phenylether
Concen: 42.835 ng
RT: 15.75 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:204 Resp: 181342

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	39.8
141	55.4	45.4	68.2

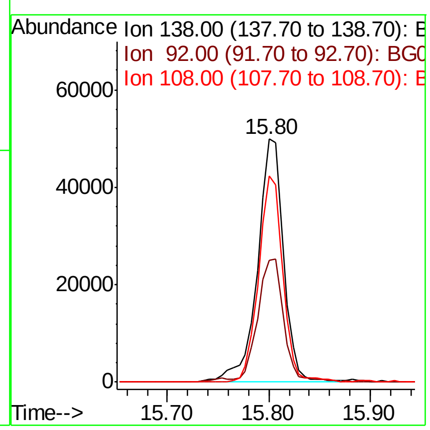


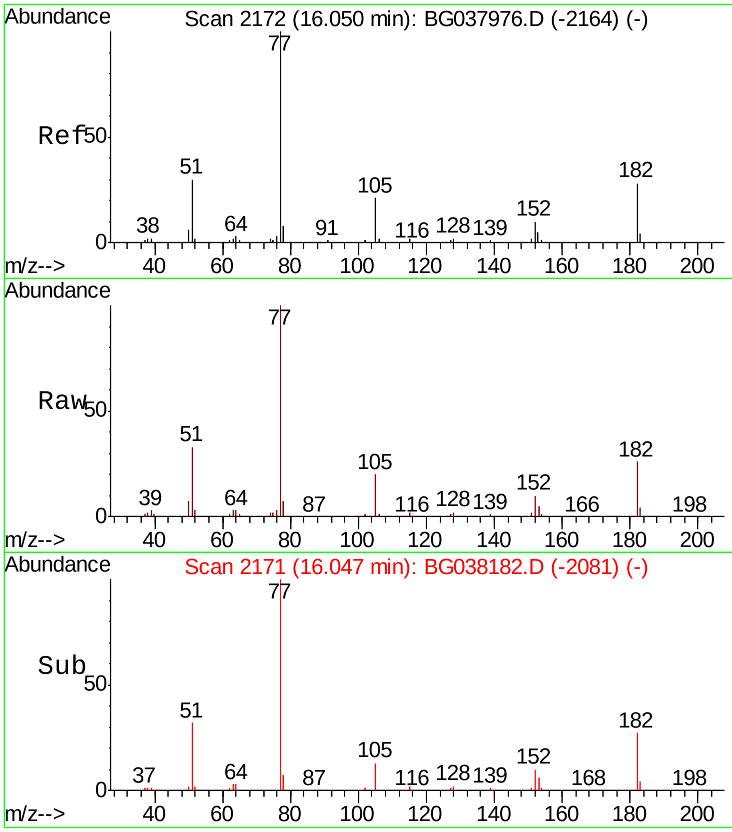


#62
4-Nitroaniline
Concen: 44.875 ng
RT: 15.80 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:138 Resp: 89184

Ion	Ratio	Lower	Upper
138	100		
92	50.1	36.4	76.4
108	85.1	60.1	100.1



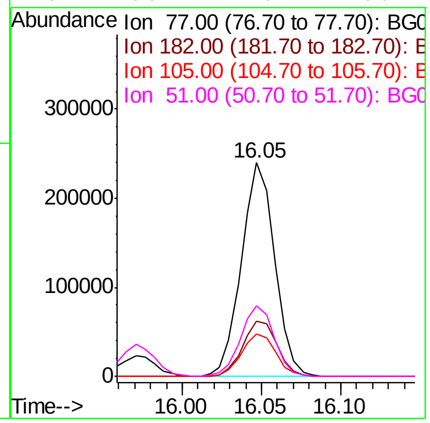


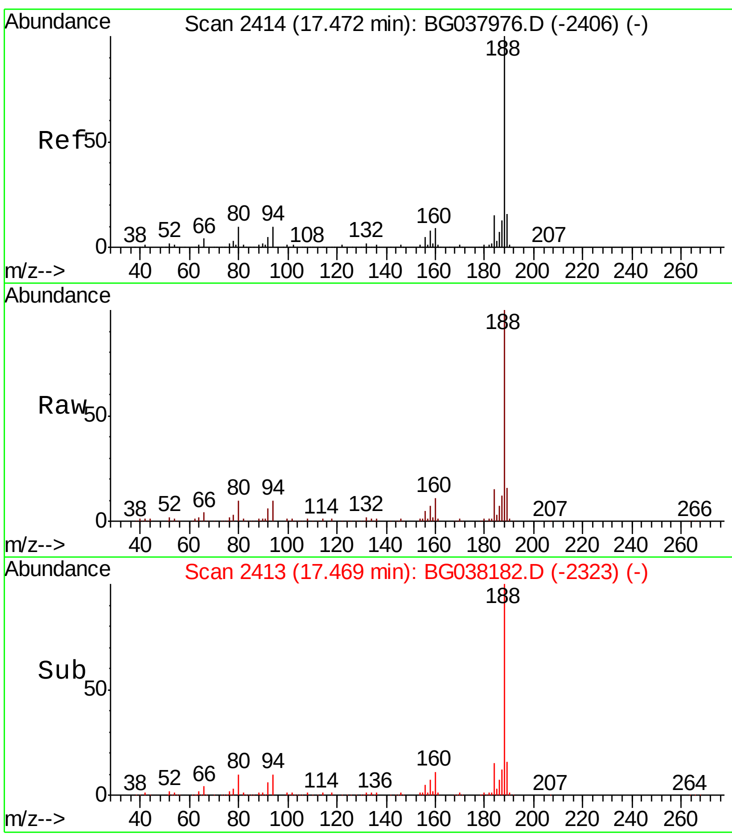
#63
Azobenzene
Concen: 45.767 ng
RT: 16.05 min   Scan# 2171
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion: 77 Resp: 348175

Ion	Ratio	Lower	Upper
77	100		
182	25.5	8.0	48.0
105	19.8	1.3	41.3
51	33.2	10.7	50.7

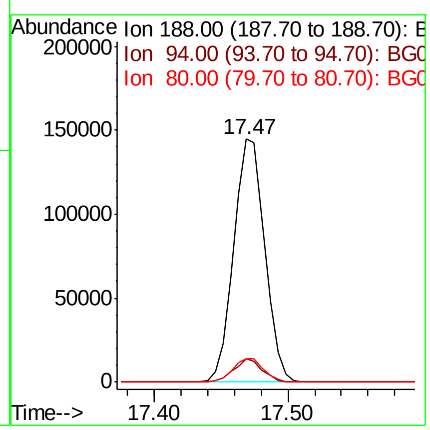


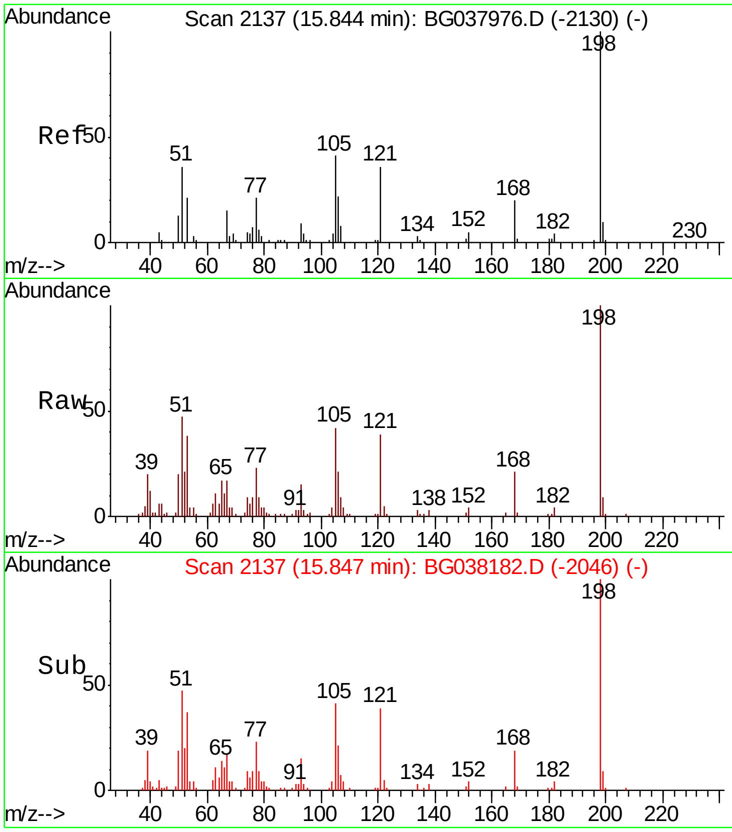


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min   Scan# 2413
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:188 Resp: 234458

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.2	10.8
80	9.7	7.7	11.5

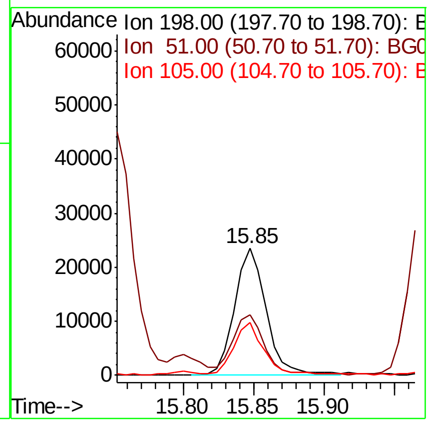


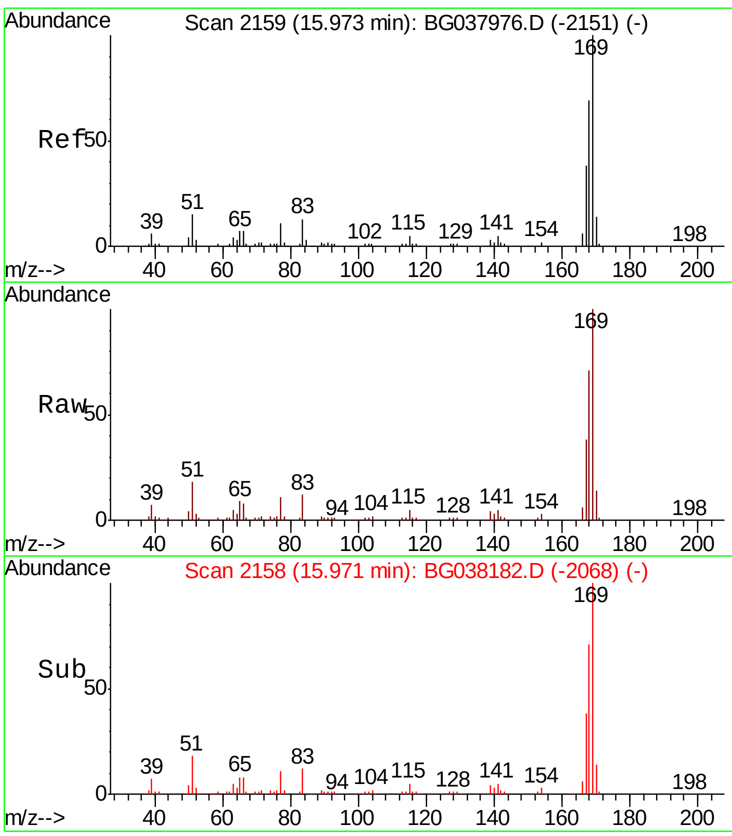


#65
4,6-Dinitro-2-methylphenol
Concen: 24.844 ng
RT: 15.85 min   Scan# 2137
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

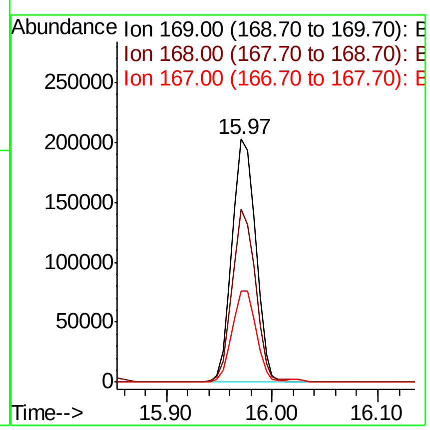
Tgt	Ion:198	Resp:	36843
Ion	Ratio	Lower	Upper
198	100		
51	47.3	22.7	62.7
105	42.0	19.7	59.7

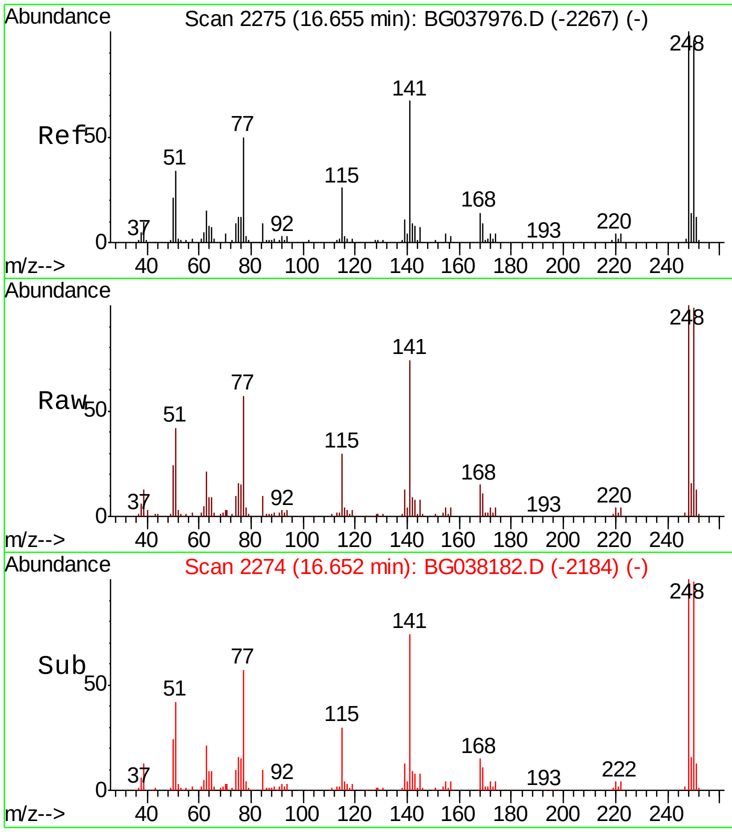




#66
n-Nitrosodiphenylamine
Concen: 44.388 ng
RT: 15.97 min   Scan# 2158
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt	Ion:169	Resp:	314843
Ion	Ratio	Lower	Upper
169	100		
168	70.9	55.7	83.5
167	37.8	31.3	46.9



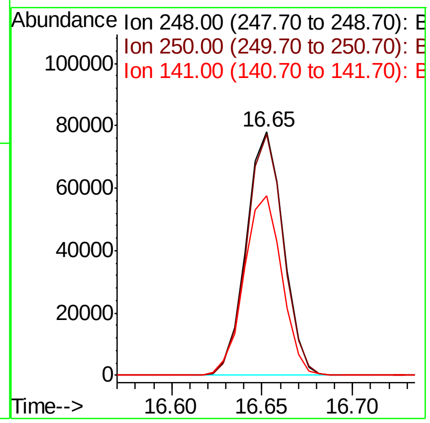


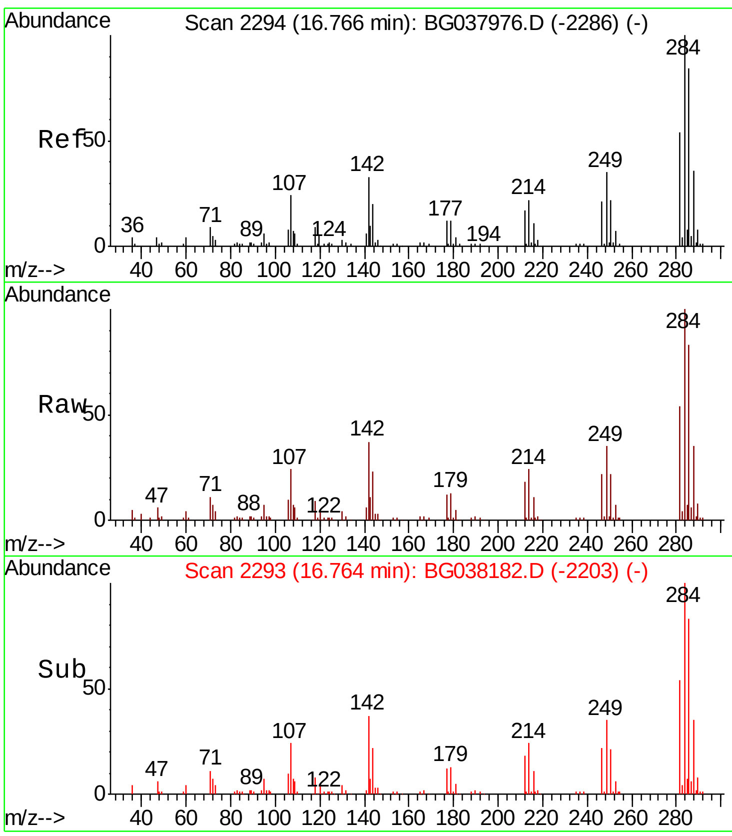
#67
4-Bromophenyl-phenylether
Concen: 43.424 ng
RT: 16.65 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:248 Resp: 111746

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.0	115.6
141	73.5	55.5	83.3

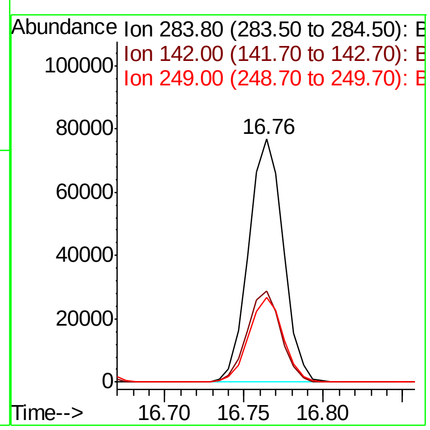


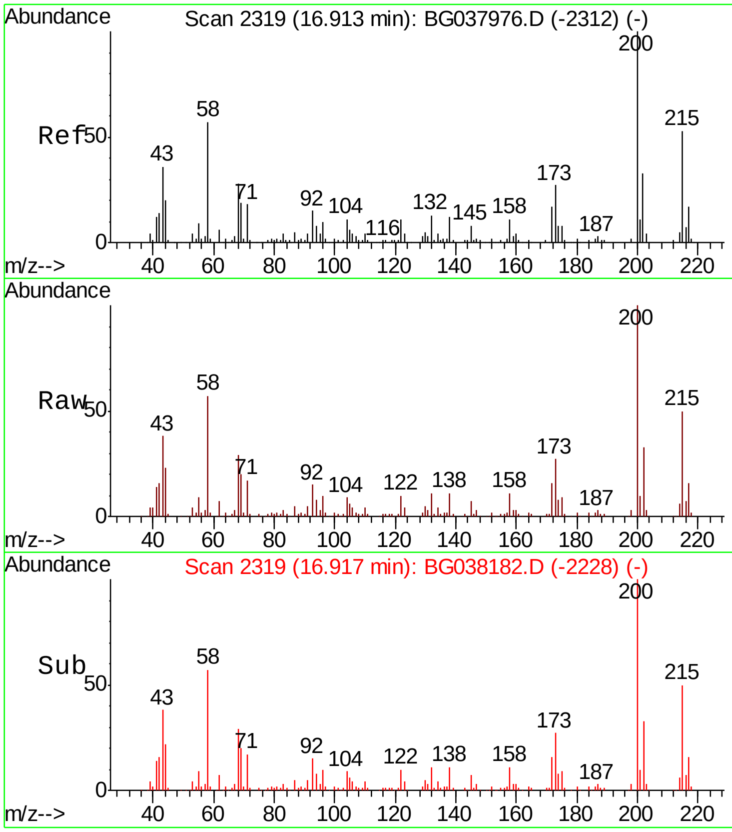


#68
Hexachlorobenzene
Concen: 44.116 ng
RT: 16.76 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:284 Resp: 117183

Ion	Ratio	Lower	Upper
284	100		
142	37.4	28.1	42.1
249	36.6	29.8	44.8



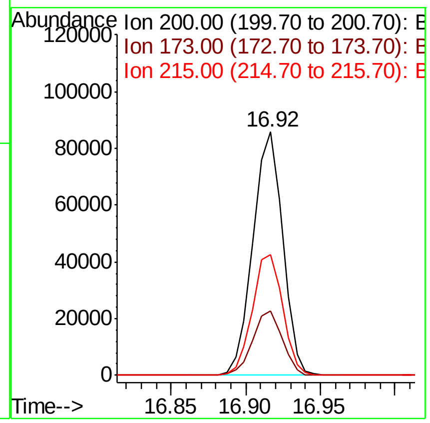


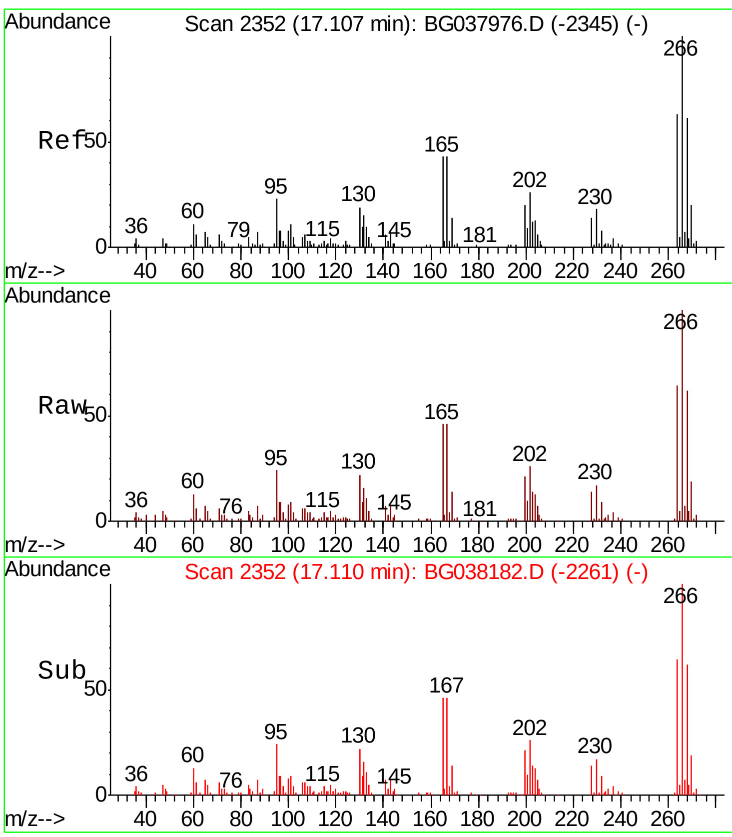
#69
Atrazine
Concen: 45.095 ng
RT: 16.92 min Scan# 2319
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:200 Resp: 117912

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.1	46.1
215	49.7	30.8	70.8

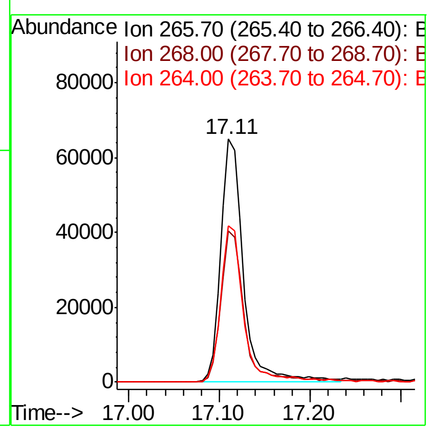


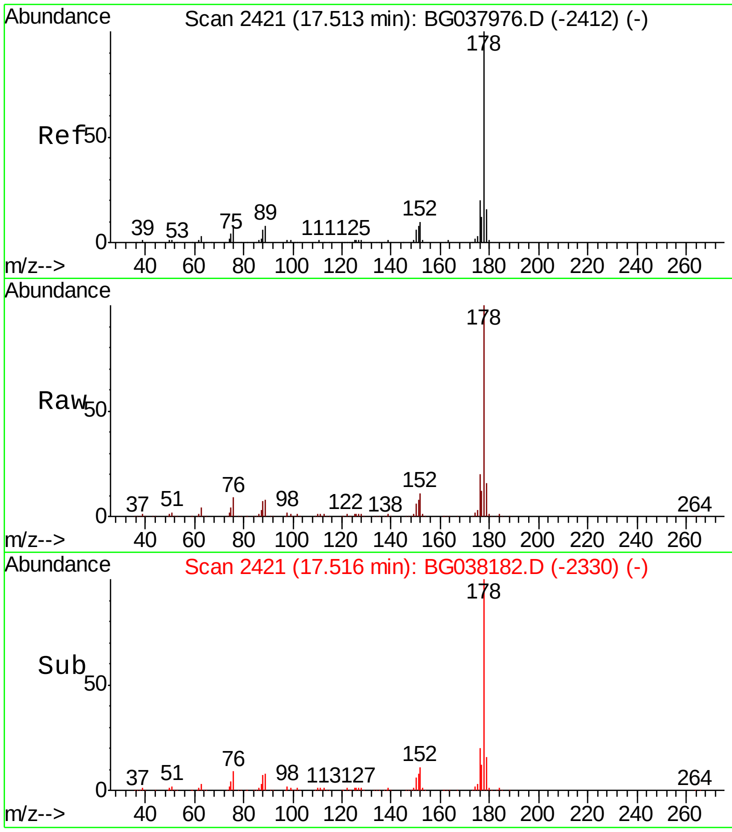


#70
Pentachlorophenol
Concen: 62.531 ng
RT: 17.11 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:266 Resp: 112808

Ion	Ratio	Lower	Upper
266	100		
268	66.9	55.0	82.6
264	68.9	58.9	88.3



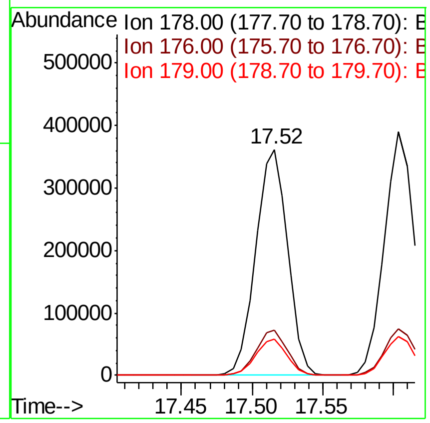


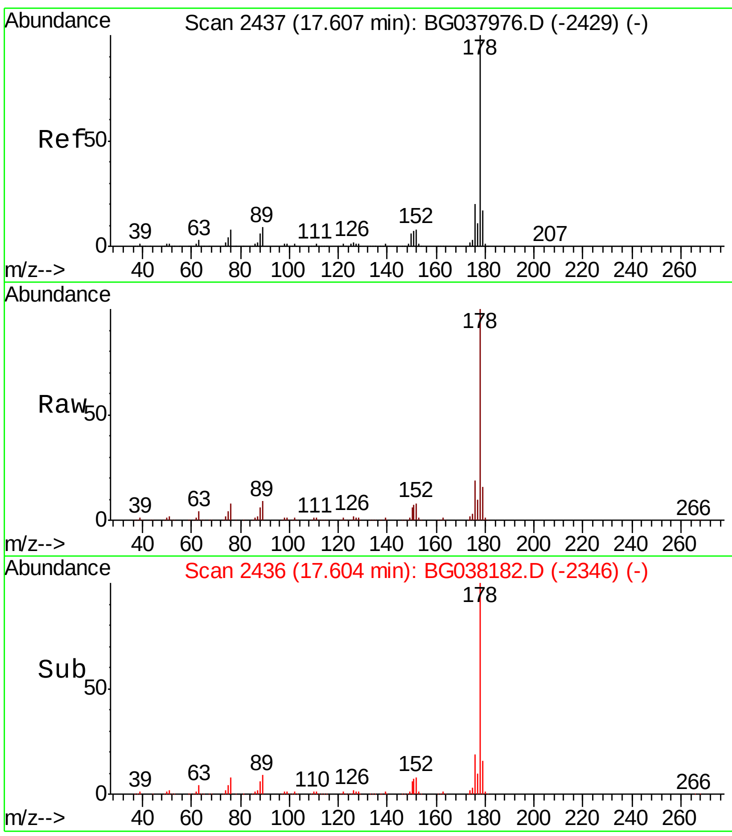
#71
Phenanthrene
Concen: 48.038 ng
RT: 17.52 min   Scan# 2421
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:178 Resp: 576648

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.1	24.1
179	16.1	13.0	19.4

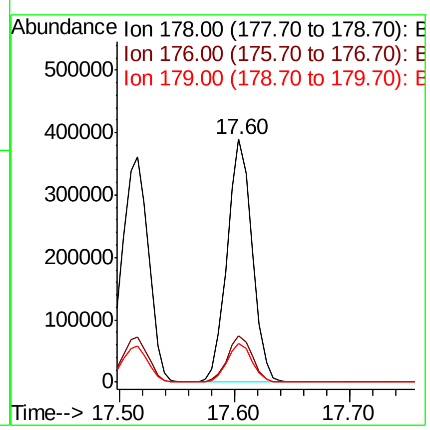


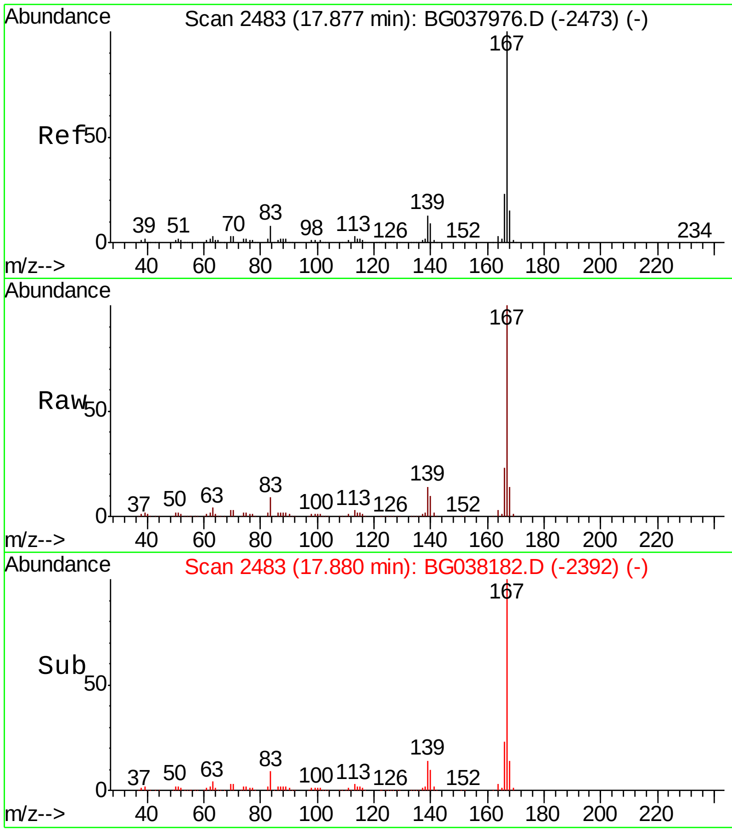


#72
Anthracene
Concen: 49.366 ng
RT: 17.60 min   Scan# 2436
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:178 Resp: 584127

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	16.0	12.8	19.2



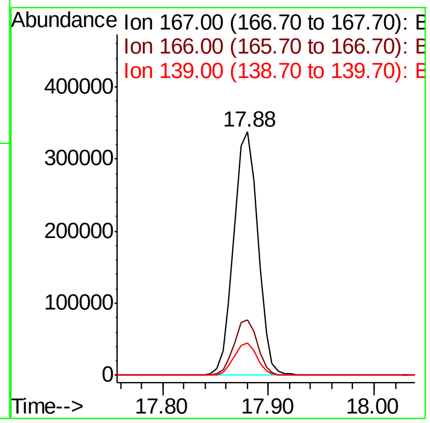


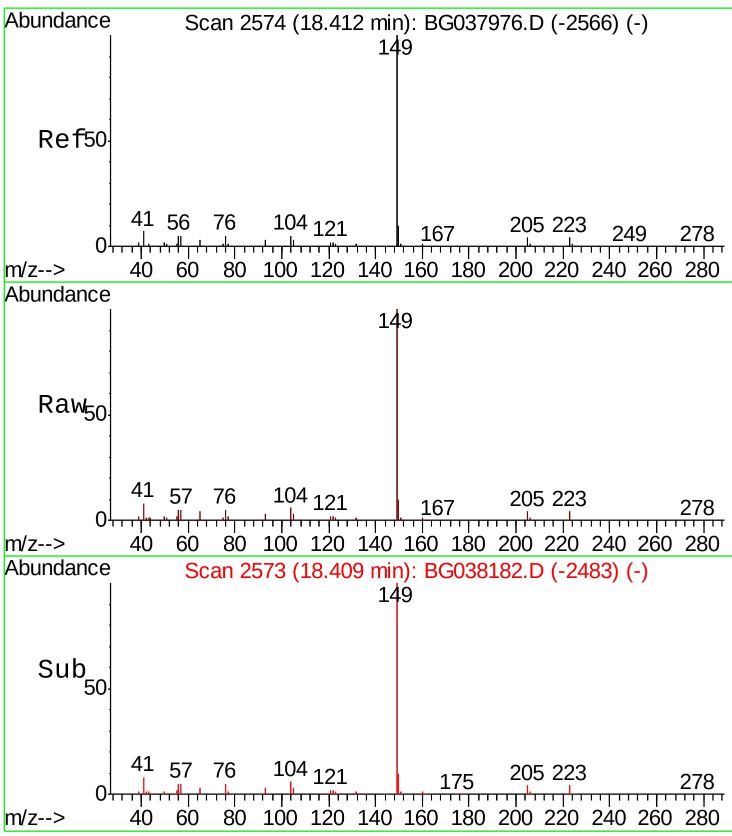
#73
Carbazole
Concen: 45.097 ng
RT: 17.88 min Scan# 2483
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:167 Resp: 535382

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	13.5	10.5	15.7

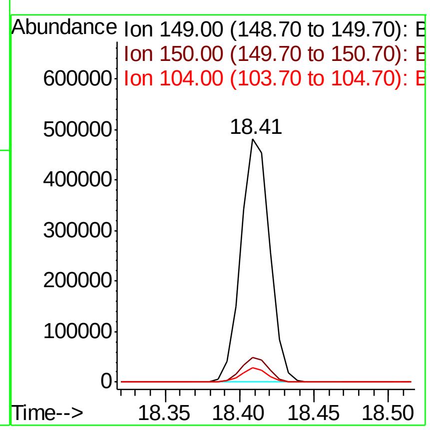


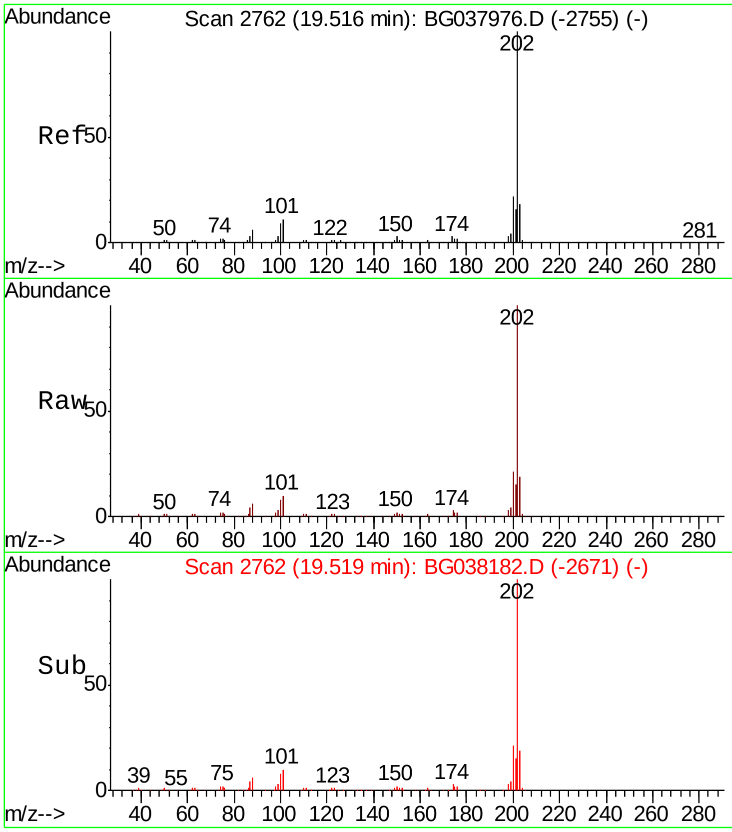


#74
Di-n-butylphthalate
Concen: 48.804 ng
RT: 18.41 min Scan# 2573
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:149 Resp: 650379

Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.2	12.2
104	5.8	4.0	6.0



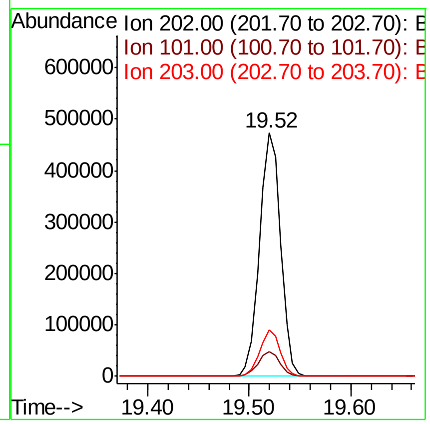


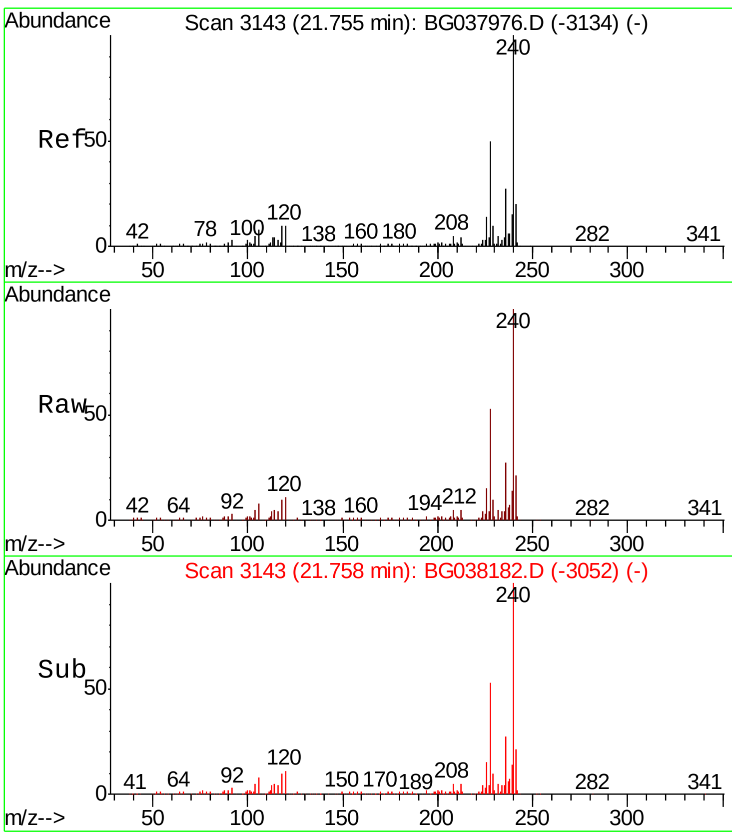
#75
Fluoranthene
Concen: 50.234 ng
RT: 19.52 min Scan# 2762
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:202 Resp: 687990

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.7
203	19.0	0.0	38.5

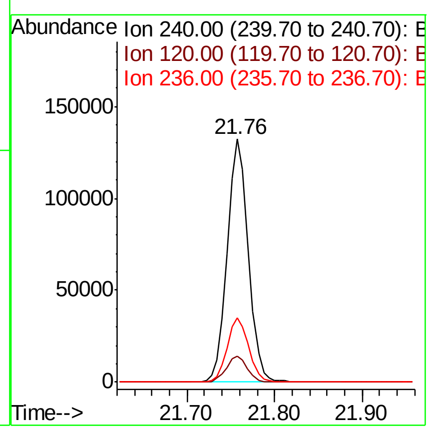


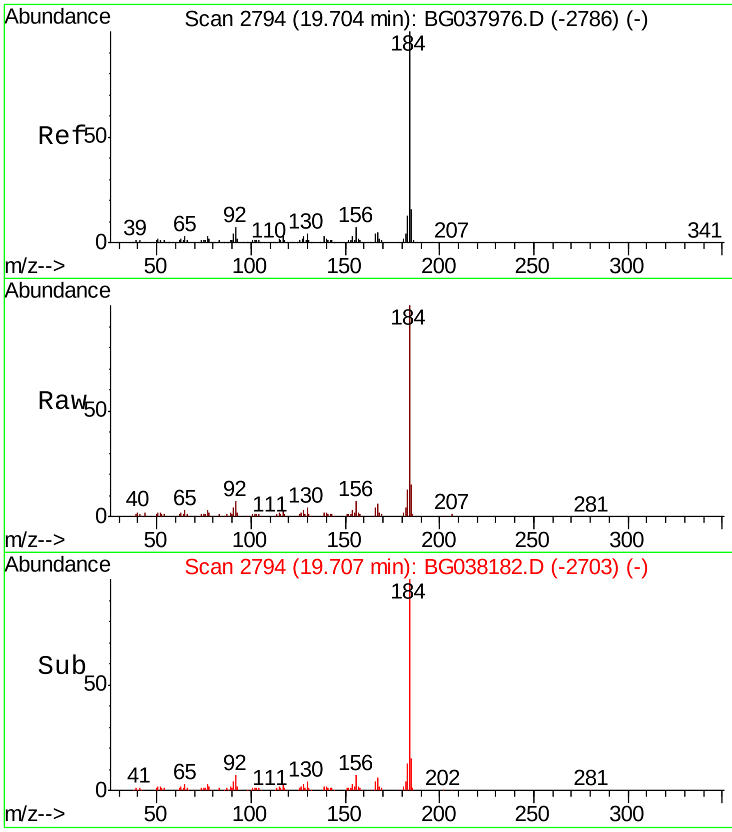


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:240 Resp: 219598

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.1	12.1
236	26.7	21.4	32.0



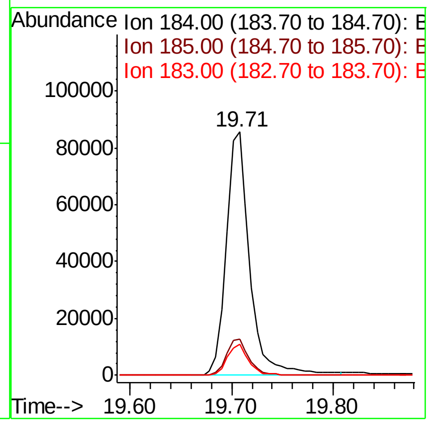


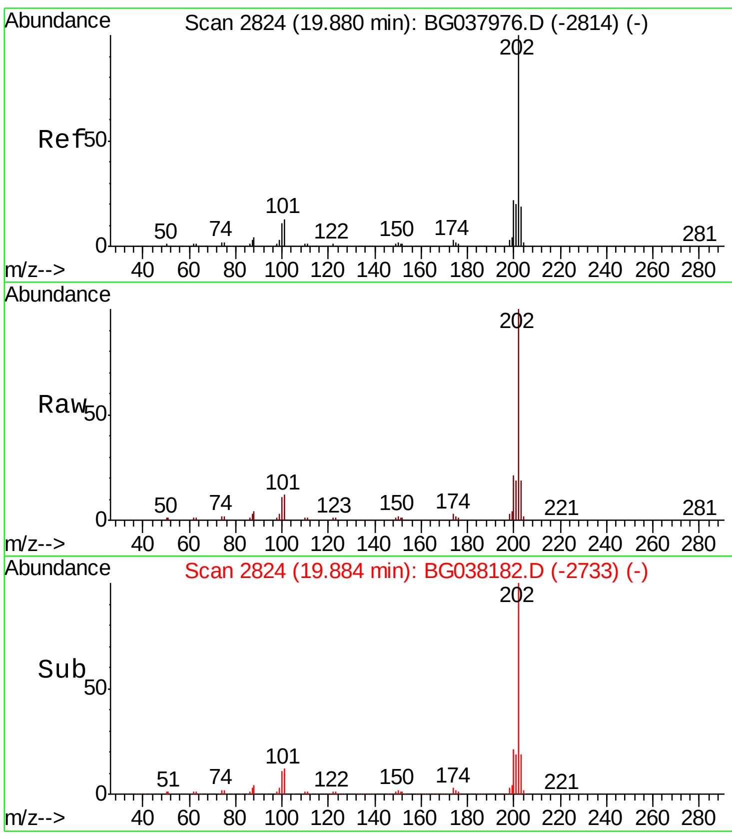
#77
Benzidine
Concen: 17.853 ng
RT: 19.71 min Scan# 2794
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:184 Resp: 137570

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.6	18.8
183	12.6	10.2	15.2

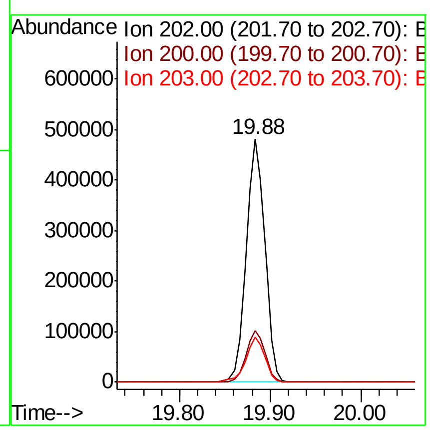


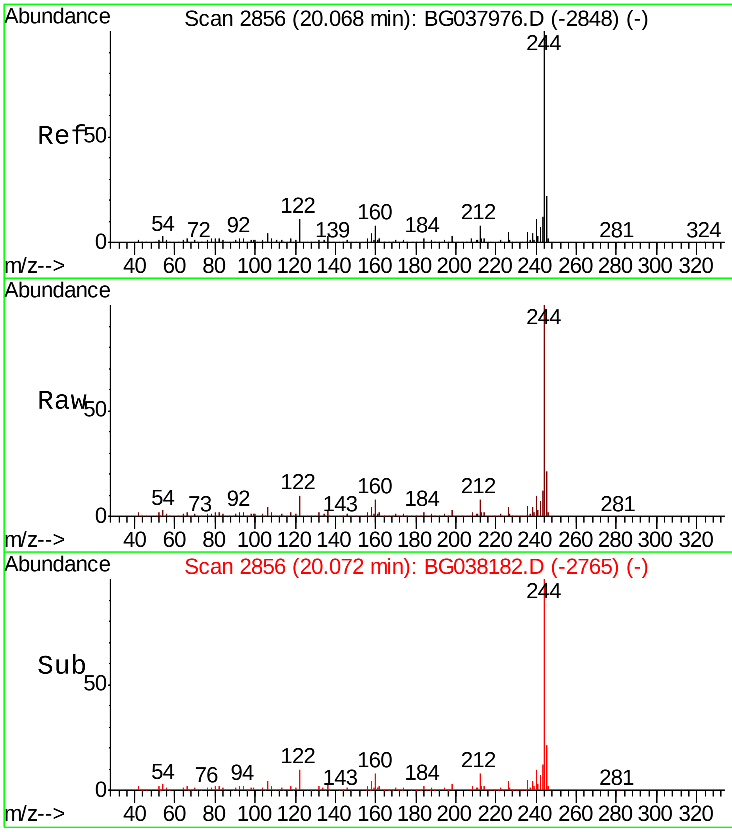


#78
Pyrene
Concen: 48.078 ng
RT: 19.88 min Scan# 2824
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:202 Resp: 690277

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.7	15.2	22.8



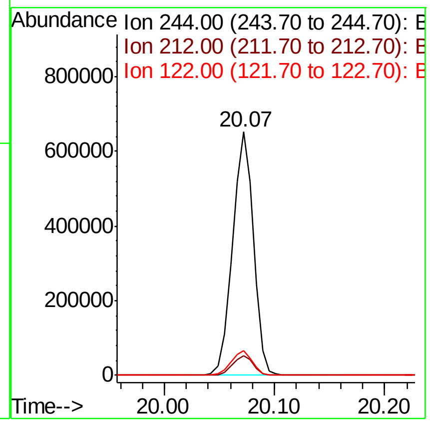


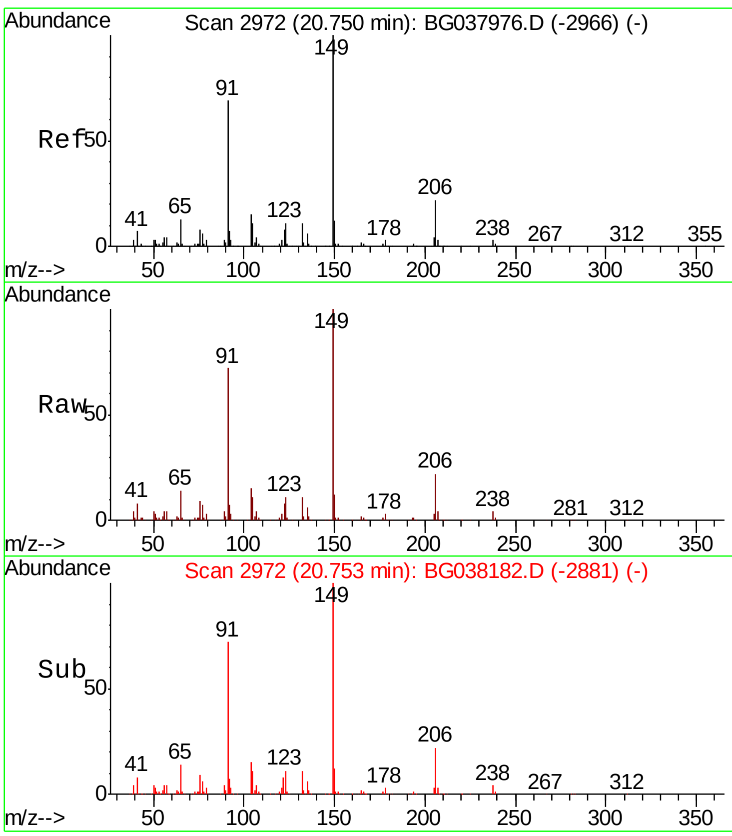
#79
Terphenyl-d14
Concen: 92.970 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:244 Resp: 867655

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	9.9	9.0	13.4

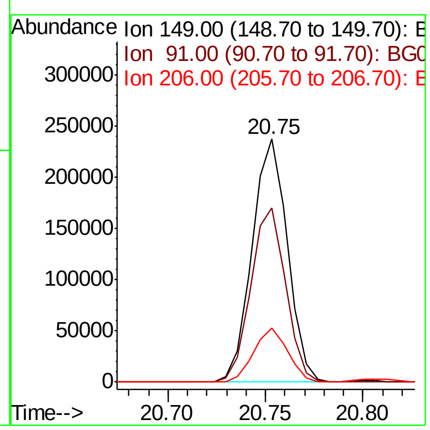


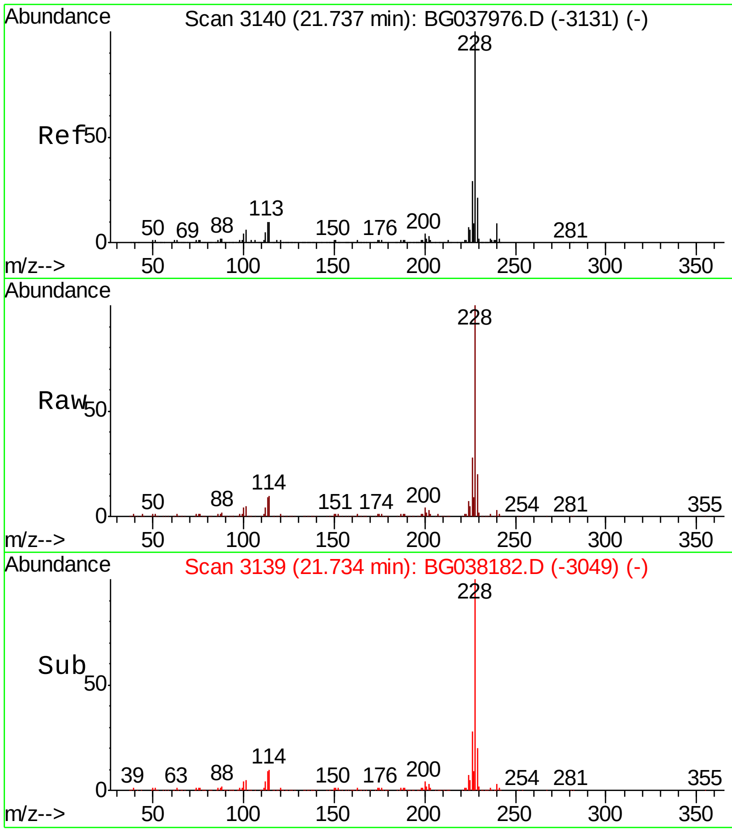


#80
Butylbenzylphthalate
Concen: 47.389 ng
RT: 20.75 min Scan# 2972
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:149 Resp: 297541

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.0	85.4
206	22.4	17.8	26.6



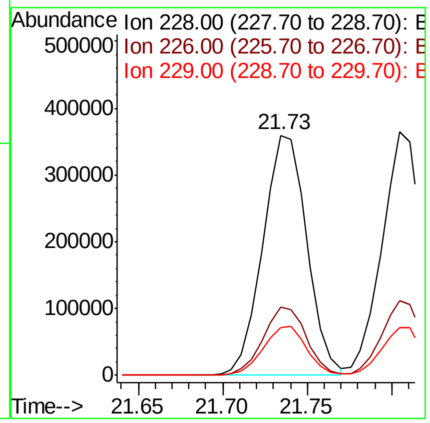


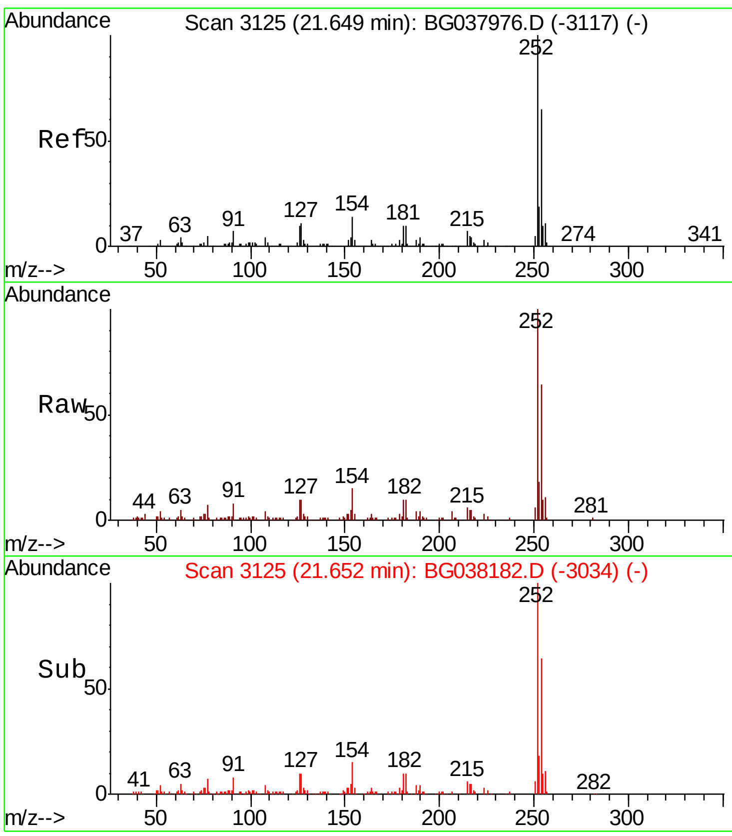
#81
Benzo(a)anthracene
Concen: 49.056 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:228 Resp: 650994

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.8	16.3	24.5

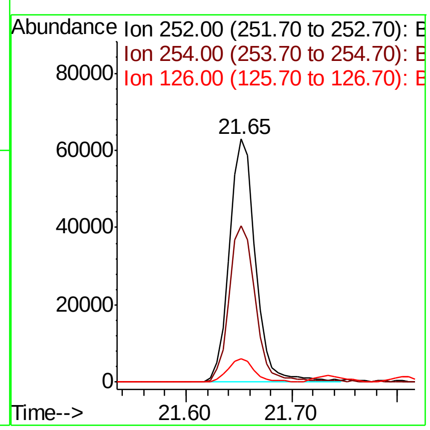


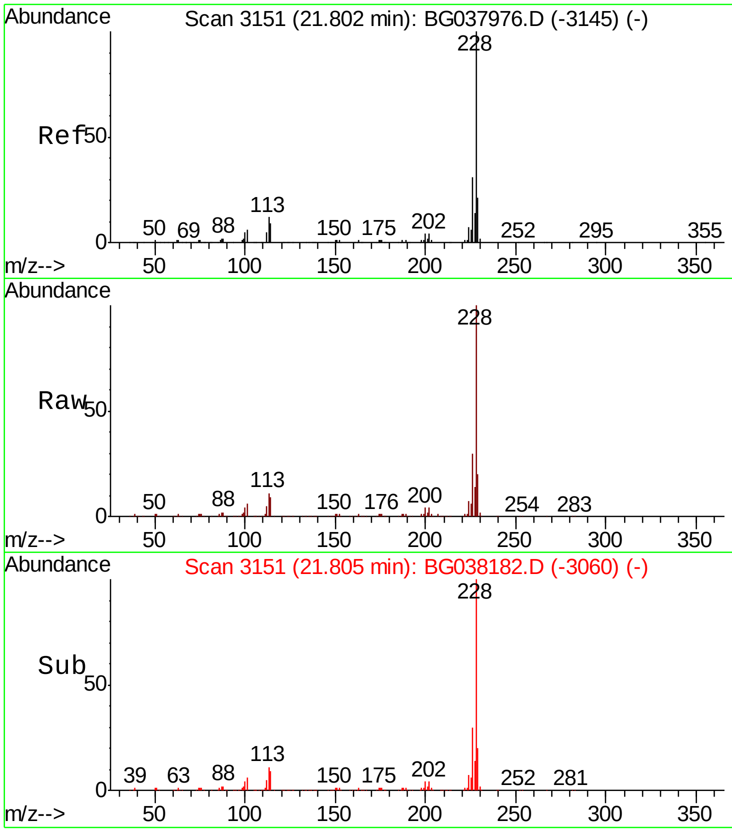


#82
3,3'-Dichlorobenzidine
Concen: 20.822 ng
RT: 21.65 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:252 Resp: 107638

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.0	78.0
126	9.6	8.2	12.4



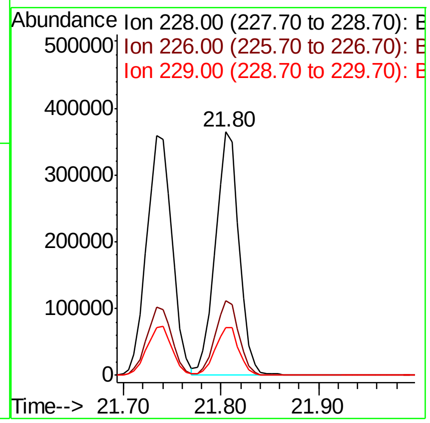


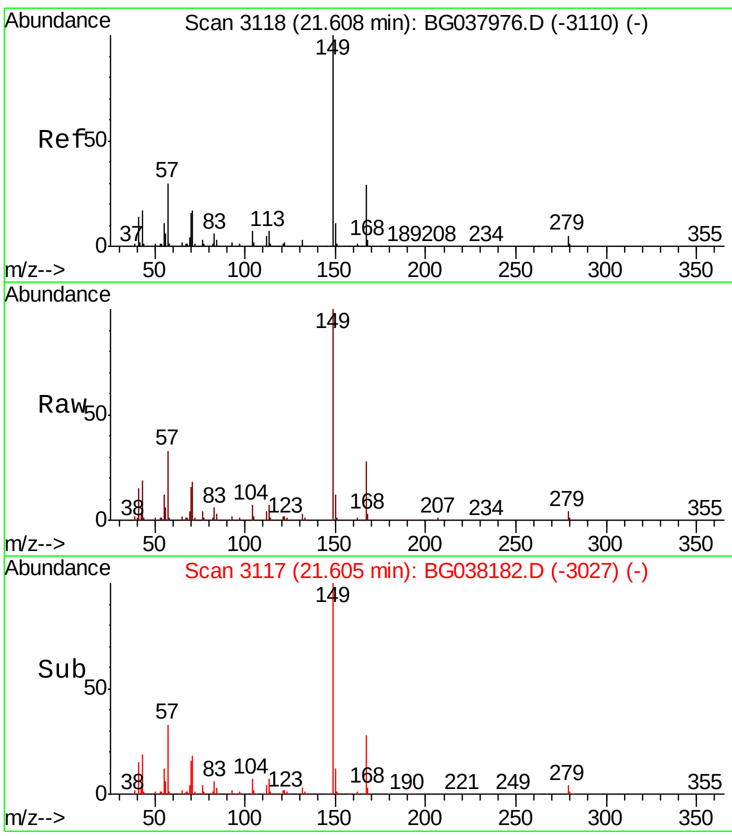
#83
Chrysene
Concen: 48.244 ng
RT: 21.80 min   Scan# 3151
Delta R.T.   0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:228 Resp: 612550

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.7	38.5
229	19.7	16.5	24.7

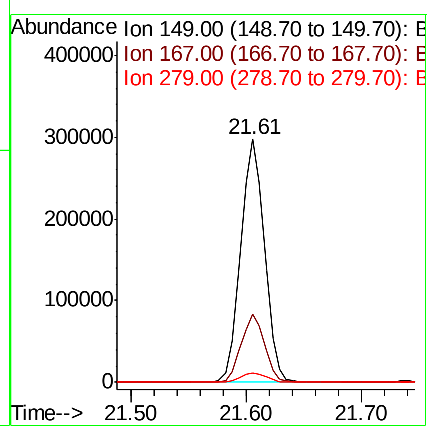


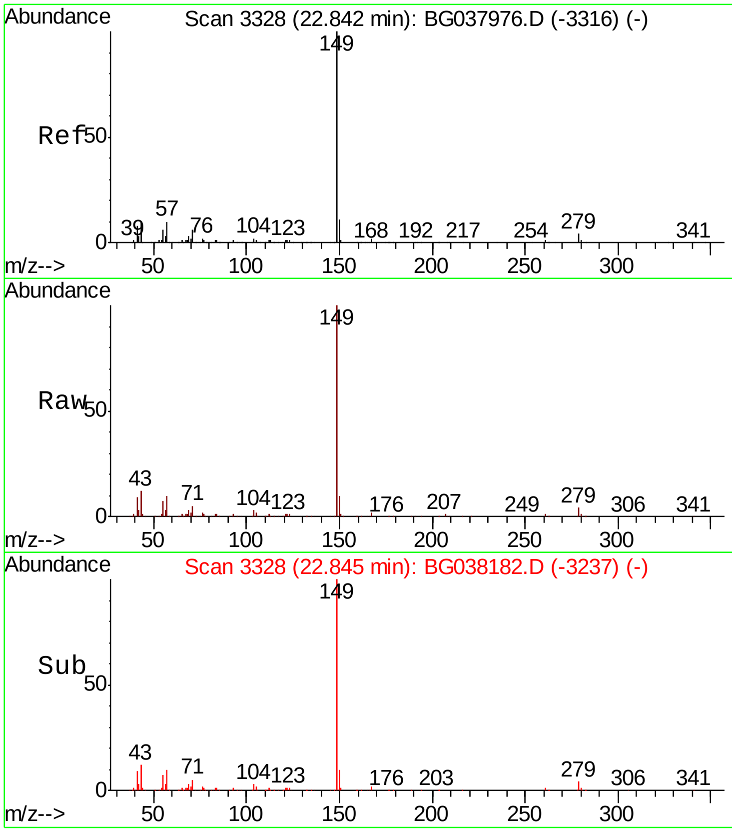


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.444 ng
RT: 21.61 min   Scan# 3117
Delta R.T.   -0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018   00:54

Tgt Ion:149 Resp: 424820

Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.0	34.4
279	4.1	3.6	5.4



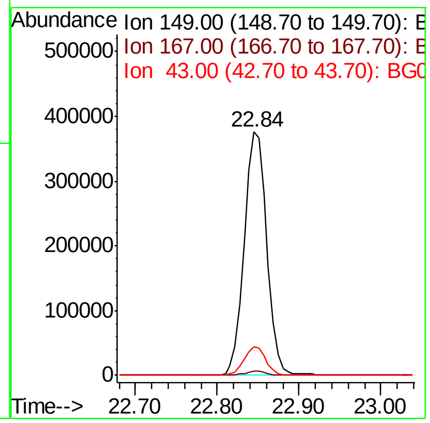


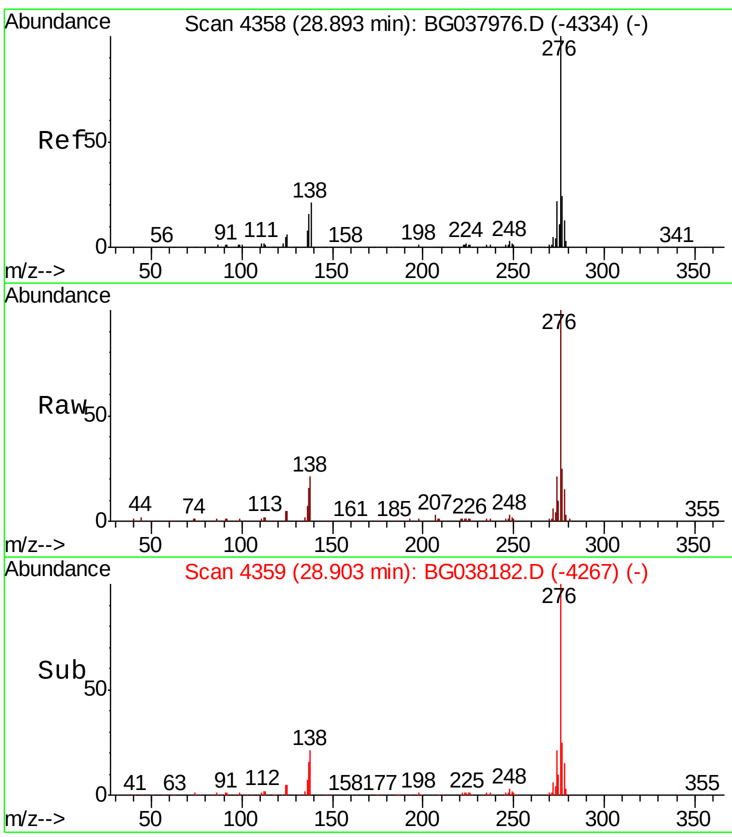
#85
Di-n-octyl phthalate
Concen: 49.913 ng
RT: 22.84 min Scan# 3328
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:149 Resp: 723035

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.3	8.7	13.1

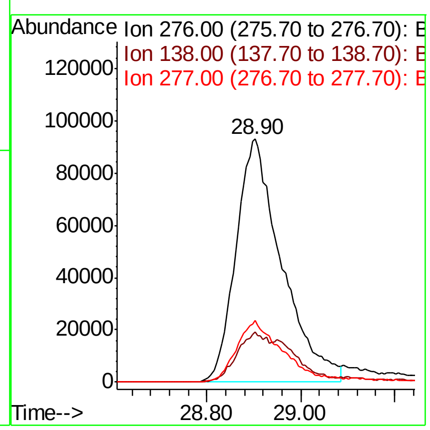


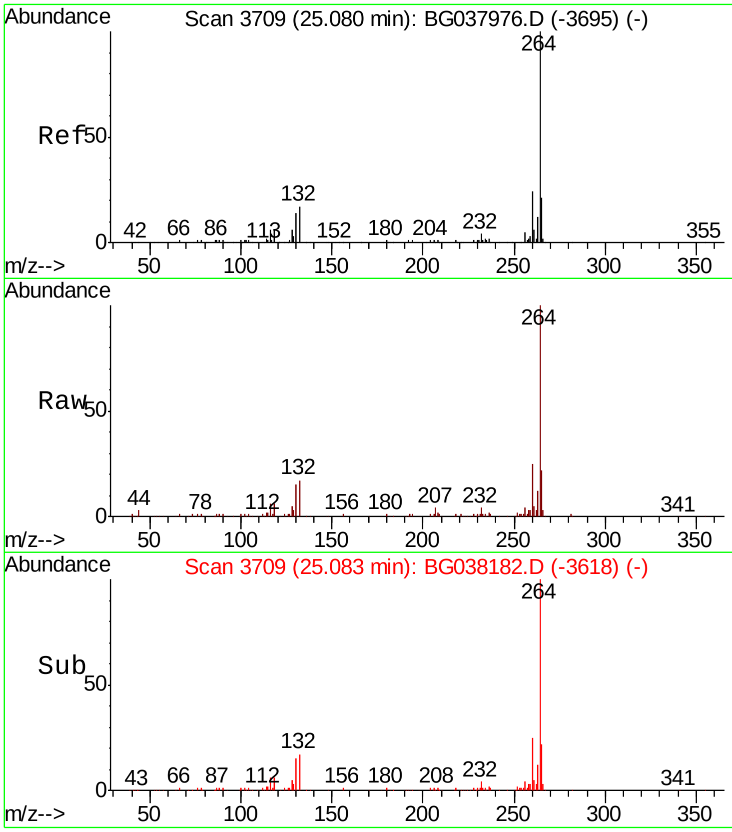


#86
Indeno(1,2,3-cd)pyrene
Concen: 44.648 ng
RT: 28.90 min Scan# 4359
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:276 Resp: 629620

Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.0	18.0
277	25.7	20.6	30.8



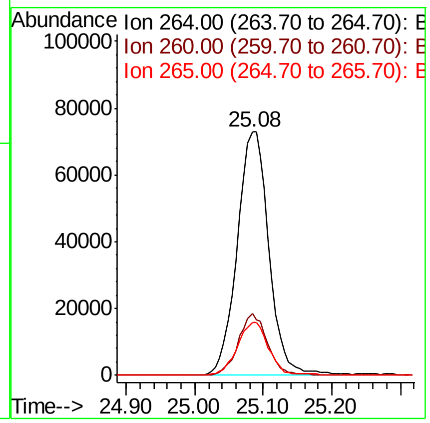


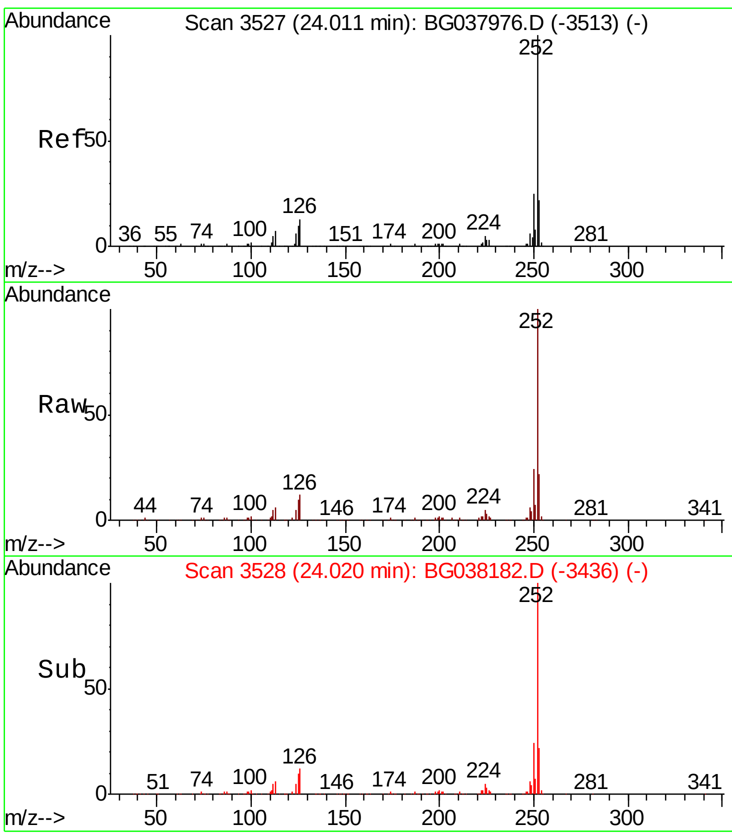
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3709
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:264 Resp: 234380

Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.2	27.4
265	21.7	17.9	26.9

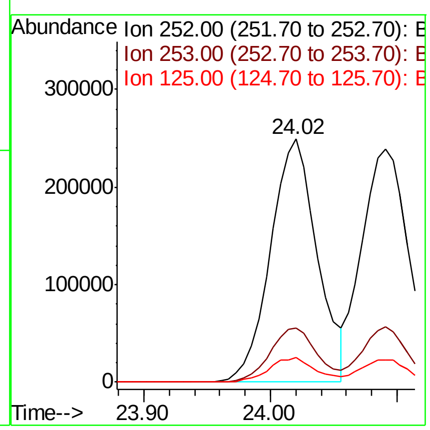


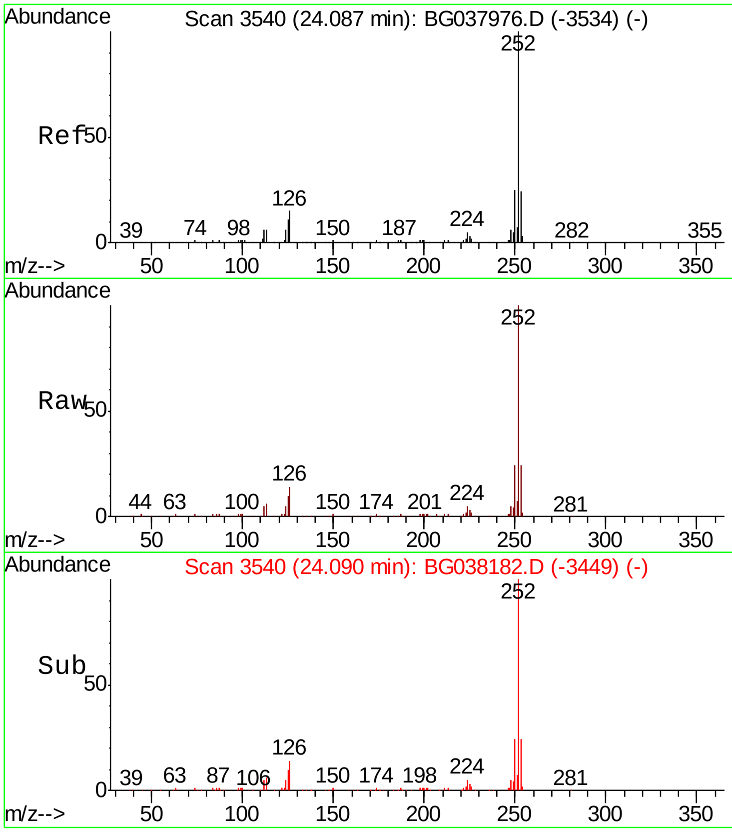


#88
Benzo(b)fluoranthene
Concen: 49.661 ng
RT: 24.02 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:252 Resp: 640529

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.0	7.8	11.6



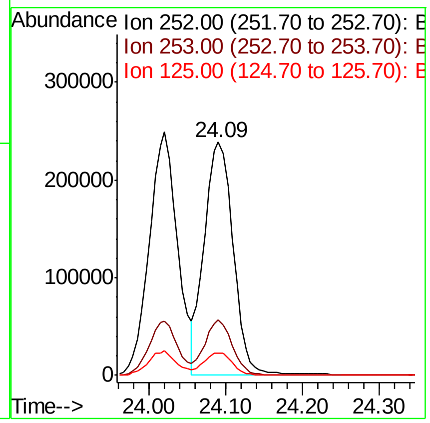


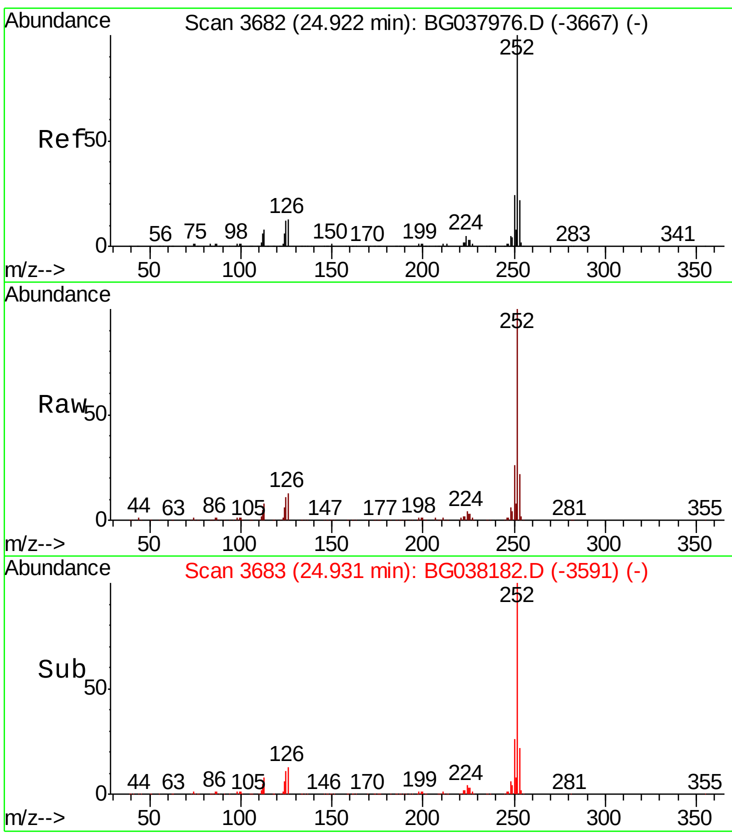
#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.09 min Scan# 3540
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument :
BNA_G
ClientSampleId :
PB115087BS

Tgt Ion:252 Resp: 619450

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	9.7	7.4	11.0

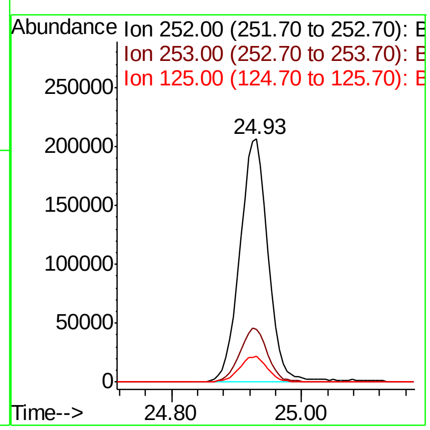


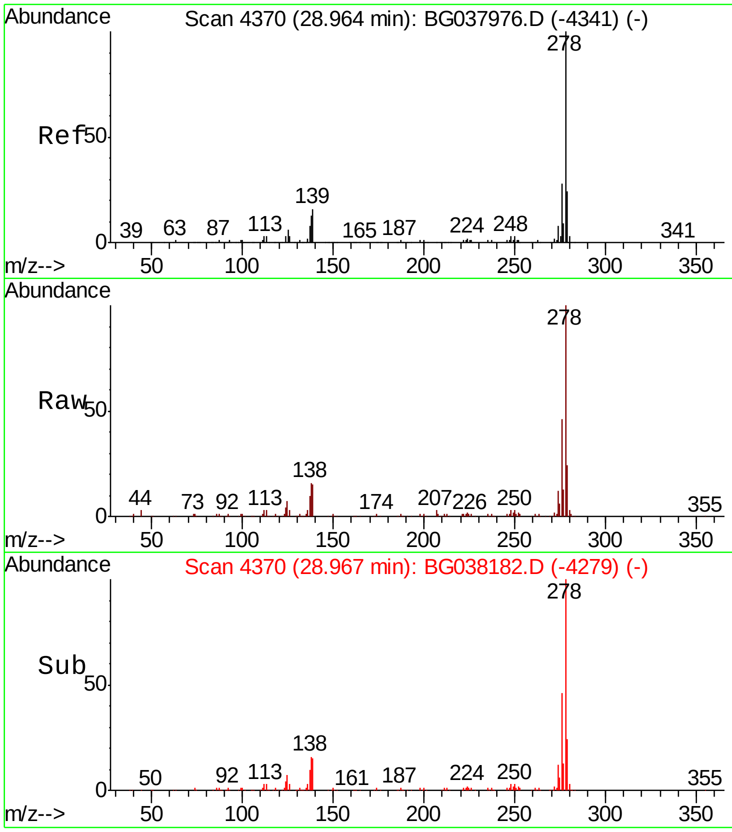


#90
Benzo(a)pyrene
Concen: 50.472 ng
RT: 24.93 min Scan# 3683
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:252 Resp: 622133

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.9	9.0	13.6



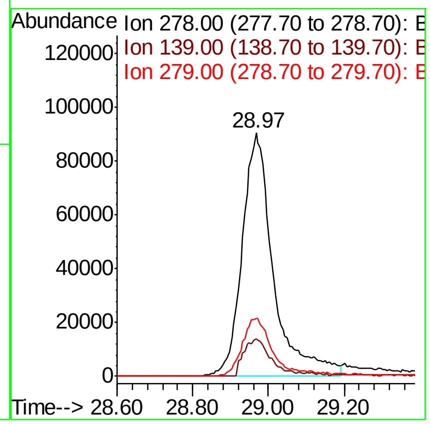


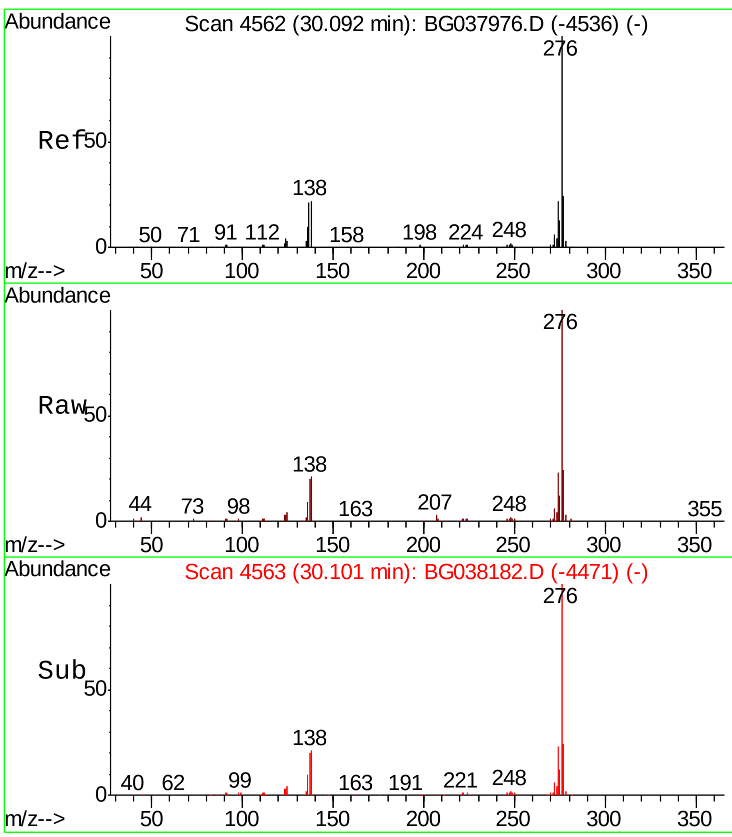
#91
Dibenzo(a,h)anthracene
Concen: 43.941 ng
RT: 28.97 min Scan# 4370
Delta R.T. 0.00 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Instrument : BNA_G
ClientSampleId : PB115087BS

Tgt Ion:278 Resp: 521144

Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.5	17.3
279	24.0	18.6	27.8





#92
Benzo(g,h,i)perylene
Concen: 43.227 ng
RT: 30.10 min Scan# 4563
Delta R.T. 0.01 min
Lab File: BG038182.D
Acq: 28 Nov 2018 00:54

Tgt Ion:276 Resp: 509761

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	21.2	17.2	25.8