Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
Data File : BG037450.D
Acq On : 19 Oct 2018 12:42
Operator : JU/SJ
Sample : J5164-01
Misc : LOD 5PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 20 00:03:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50883	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	236383	20.00	ng		0.00
39) Acenaphthene-d10	14.74	164	160987	20.00	ng		0.00
64) Phenanthrene-d10	17.48	188	384858	20.00	ng		0.00
76) Chrysene-d12	21.77	240	363962	20.00	ng		0.00
87) Perylene-d12	25.10	264	357568	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	427136	140.34	ng		0.00
7) Phenol-d6	7.25	99	631961	137.32	ng		0.00
23) Nitrobenzene-d5	9.28	82	355527	84.25	ng		0.00
42) 2,4,6-Tribromophenol	16.23	330	239315	136.29	ng		0.00
45) 2-Fluorobiphenyl	13.36	172	869303	81.43	ng		0.00
79) Terphenyl-d14	20.09	244	1316063	77.26	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.54	88	7866	5.096	ng	#	82
3) Pyridine	3.95	79	19367	4.978	ng		96
4) n-Nitrosodimethylamine	3.86	42	7747	5.591	ng	#	89
32) Benzoic acid	10.12	122	3574	1.561	ng	#	76
33) 4-Chloroaniline	11.09	127	18238	3.343	ng	#	93
35) Caprolactam	11.85	113	5463	3.470	ng		97
53) 3-Nitroaniline	14.65	138	11088	3.625	ng	#	95
56) 4-Nitrophenol	14.93	139	6854	3.027	ng		93
65) 4,6-Dinitro-2-methylphenol	15.85	198	3015	9.736	ng		91

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

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LOD-MDL-SOIL-01-QT4-2018

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QLast Update : Thu Oct 18 14:06:42 2018
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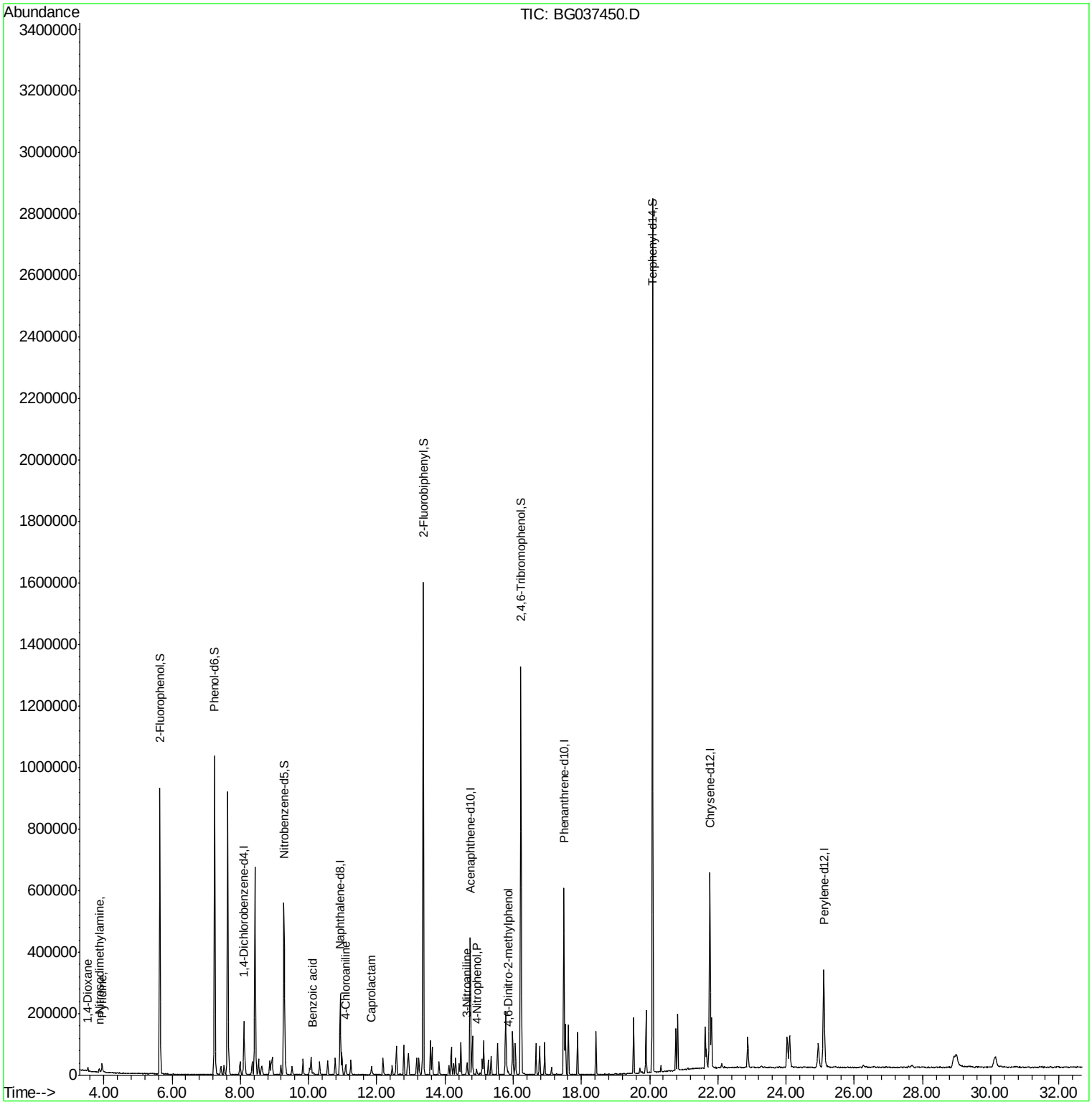
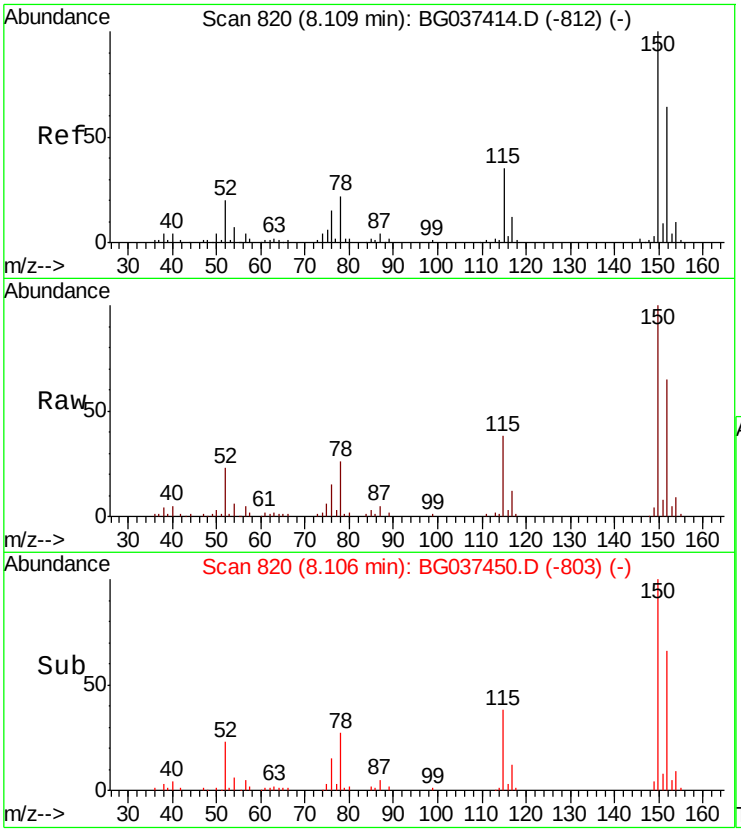


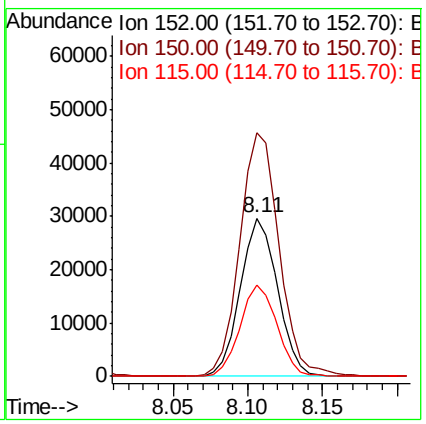


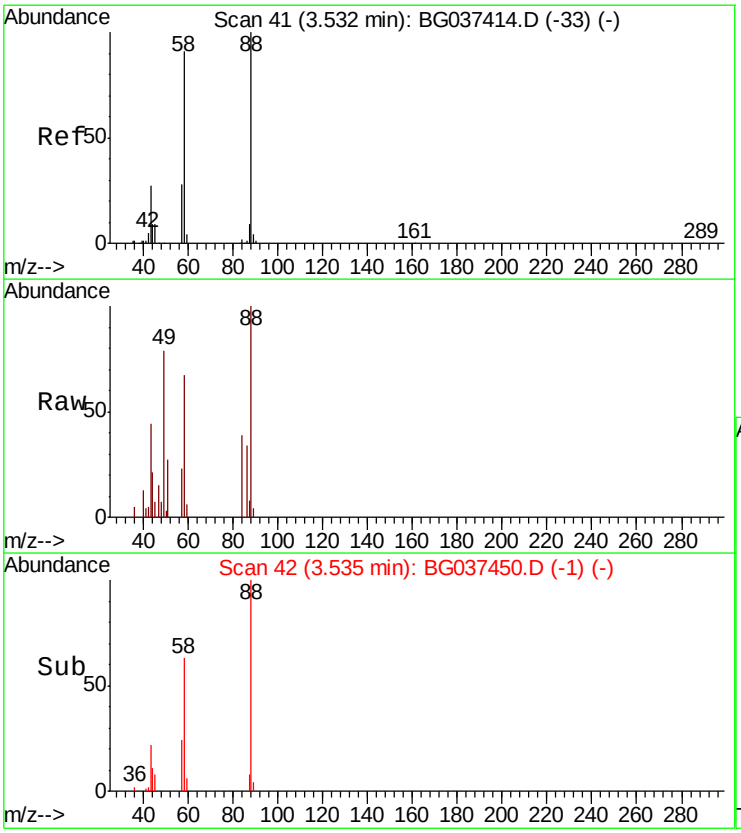
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 50883

Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.0	189.0
115	57.9	45.5	68.3

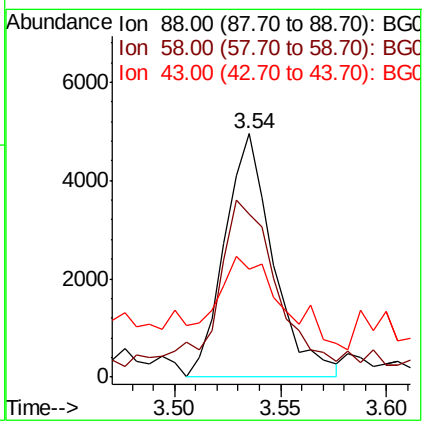


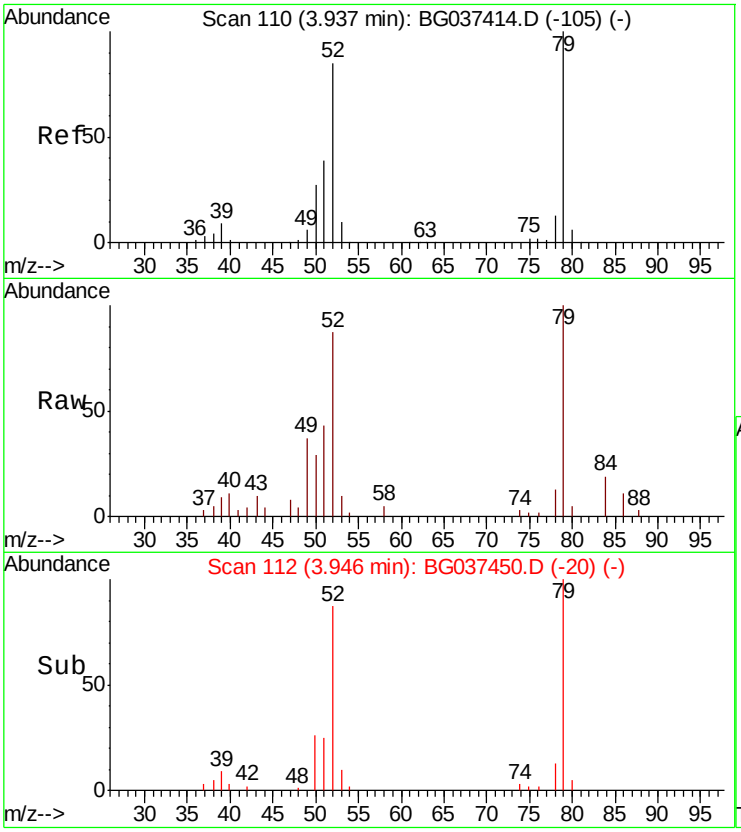


#2
1,4-Dioxane
Concen: 5.096 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 88 Resp: 7866

Ion	Ratio	Lower	Upper
88	100		
58	81.8	74.4	111.6
43	51.9	25.8	38.8#



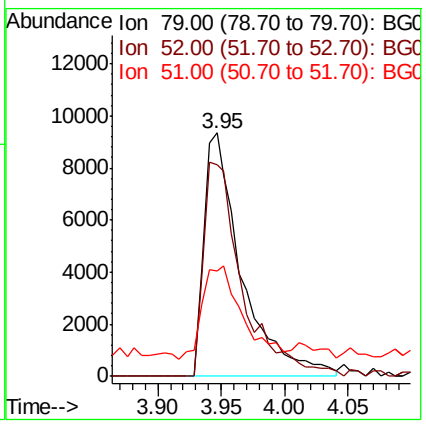


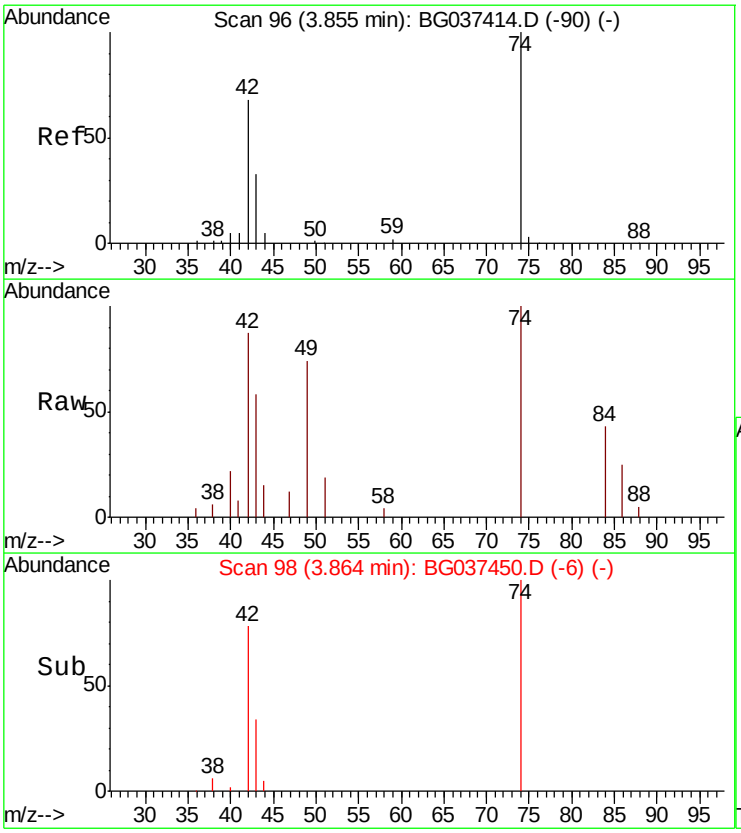
#3
Pyridine
Concen: 4.978 ng
RT: 3.95 min Scan# 112
Delta R.T. 0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 79 Resp: 19367

Ion	Ratio	Lower	Upper
79	100		
52	86.8	74.2	111.2
51	43.0	34.6	51.8

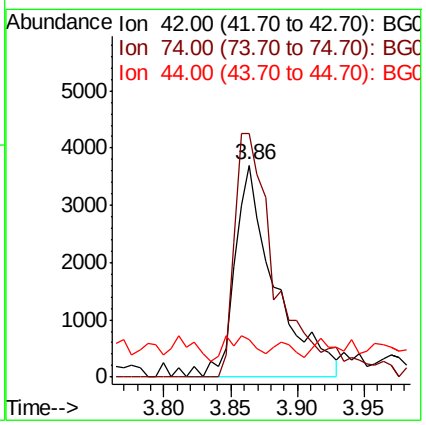


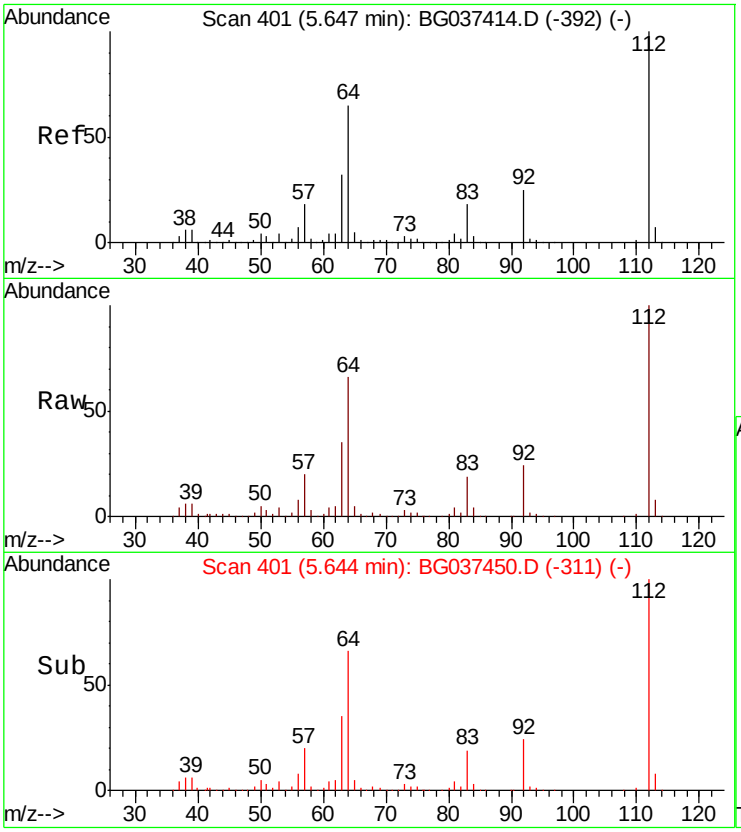


#4
n-Nitrosodimethylamine
Concen: 5.591 ng
RT: 3.86 min Scan# 98
Delta R.T. 0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 42 Resp: 7747

Ion	Ratio	Lower	Upper
42	100		
74	114.7	102.0	153.0
44	17.6	9.6	14.4#



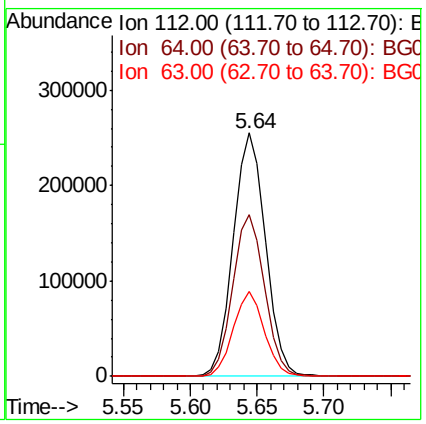


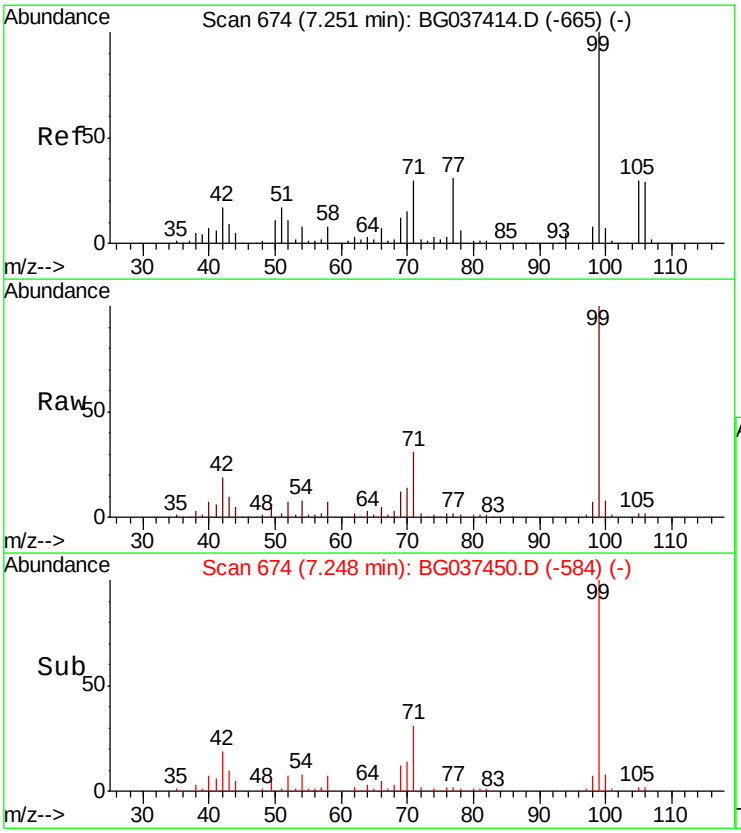
#5
2-Fluorophenol
Concen: 140.343 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:112 Resp: 427136

Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.1	79.7
63	34.7	27.3	40.9

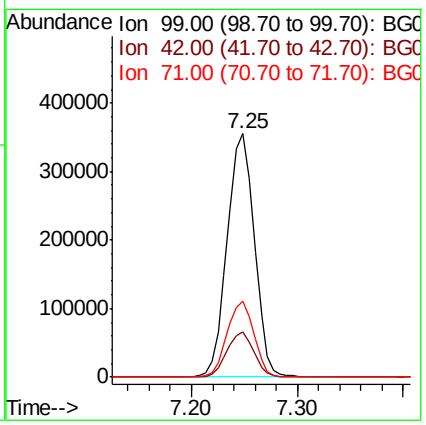


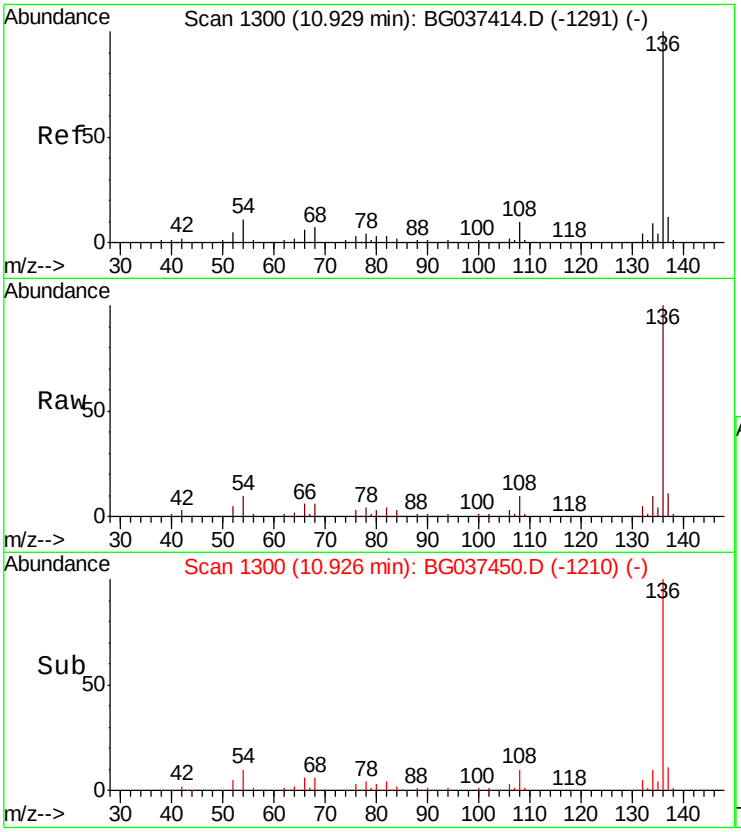


#7
Phenol-d6
Concen: 137.318 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 99 Resp: 631961

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	31.2	25.5	38.3



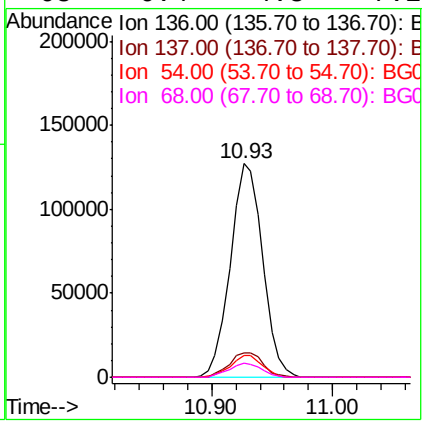


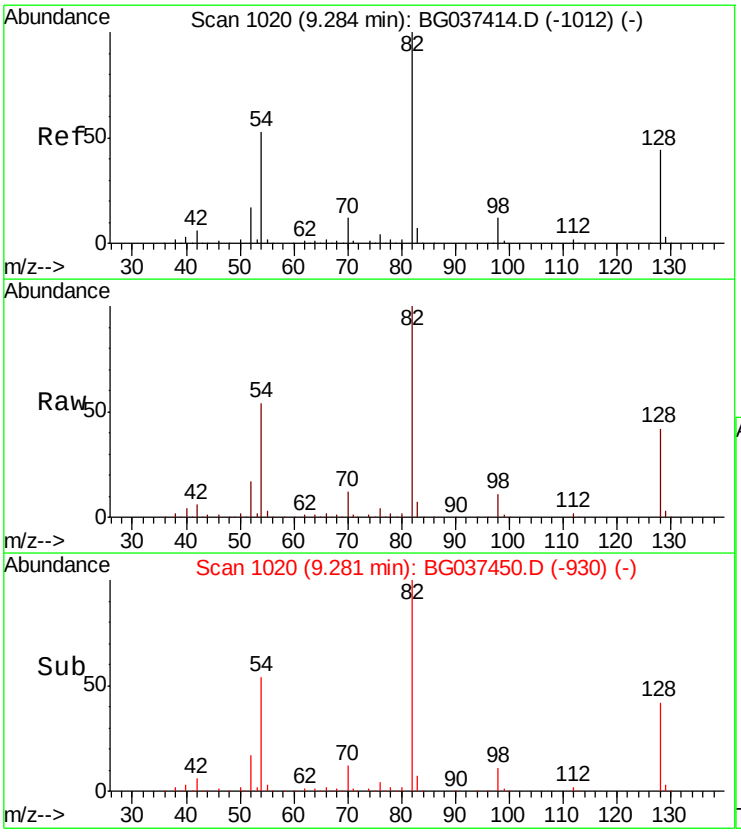
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:136 Resp: 236383

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	10.5	7.9	11.9
68	6.4	4.8	7.2

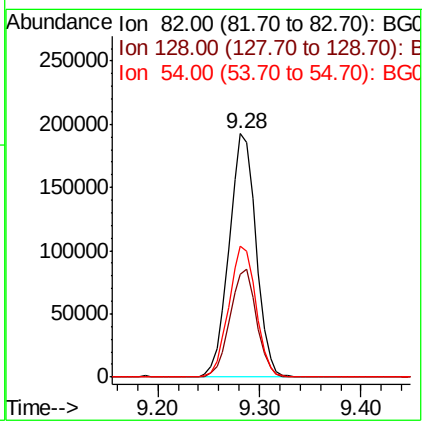


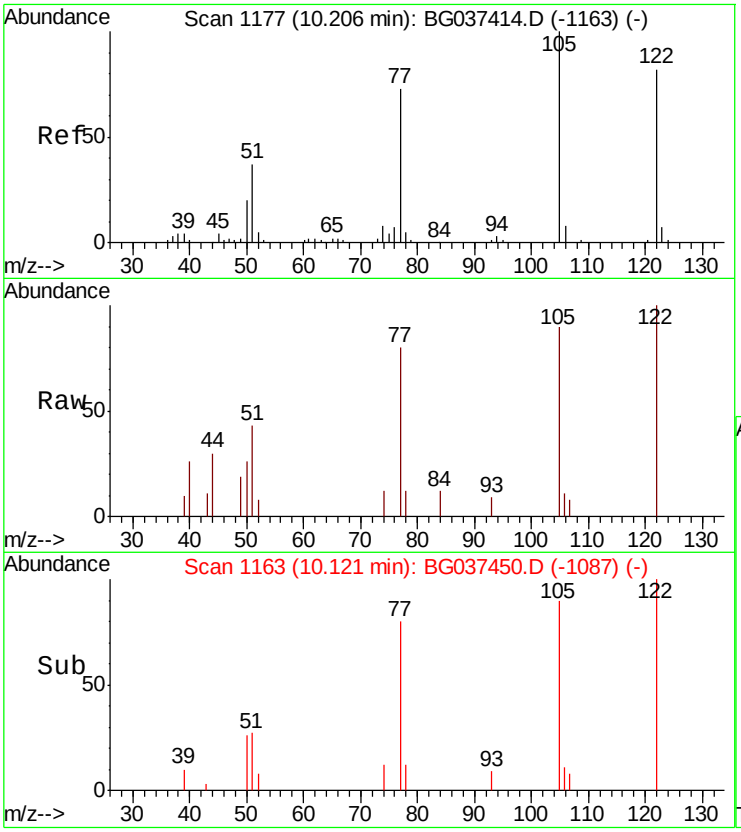


#23
Nitrobenzene-d5
Concen: 84.254 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 82 Resp: 355527

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.6	51.8
54	54.0	45.3	67.9



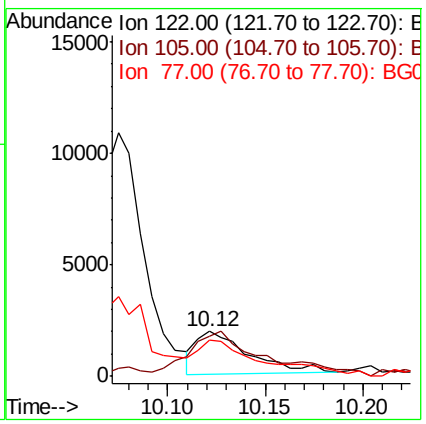


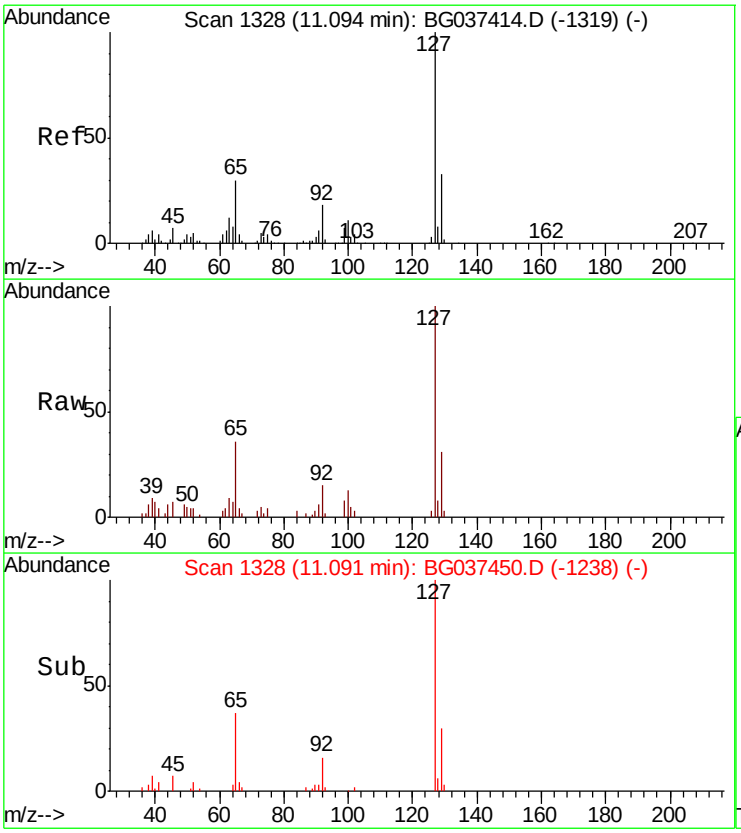
#32
Benzoic acid
Concen: 1.561 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:122 Resp: 3574

Ion	Ratio	Lower	Upper
122	100		
105	90.1	106.7	146.7#
77	79.9	72.2	112.2

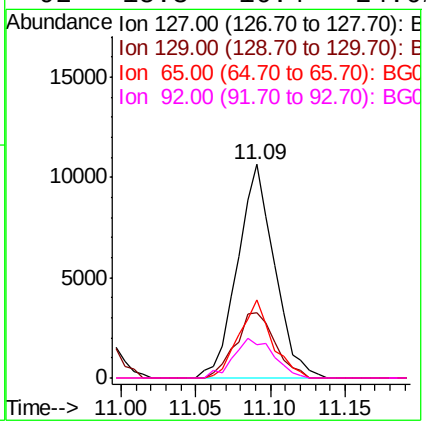


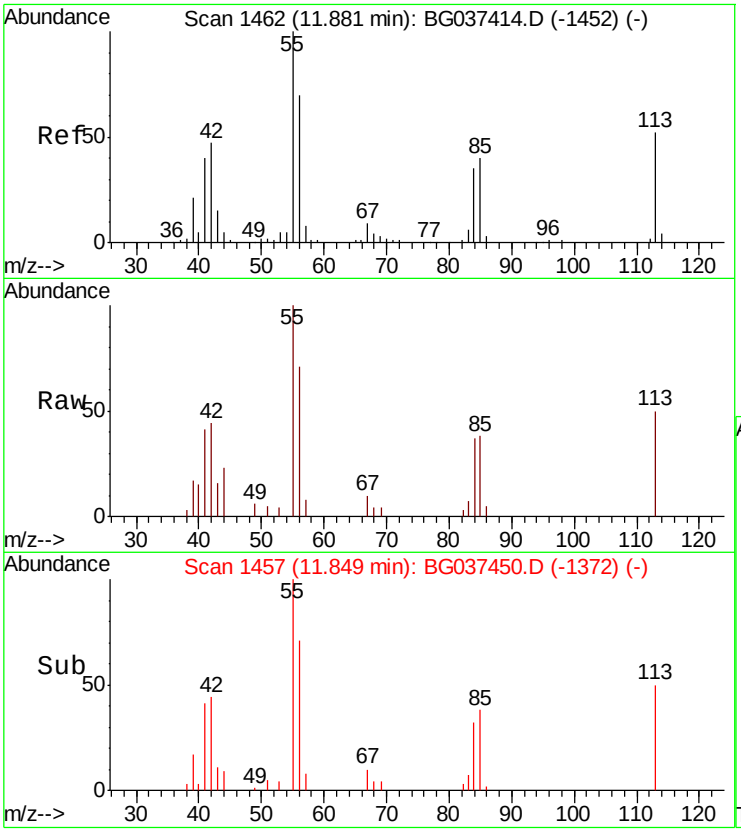


#33
4-Chloroaniline
Concen: 3.343 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:127 Resp: 18238

Ion	Ratio	Lower	Upper
127	100		
129	30.8	27.1	40.7
65	36.4	26.6	39.8
92	15.3	16.4	24.6#



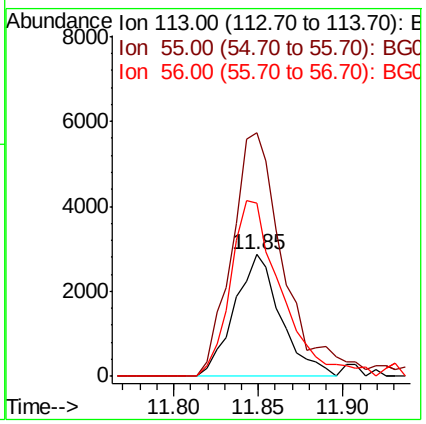


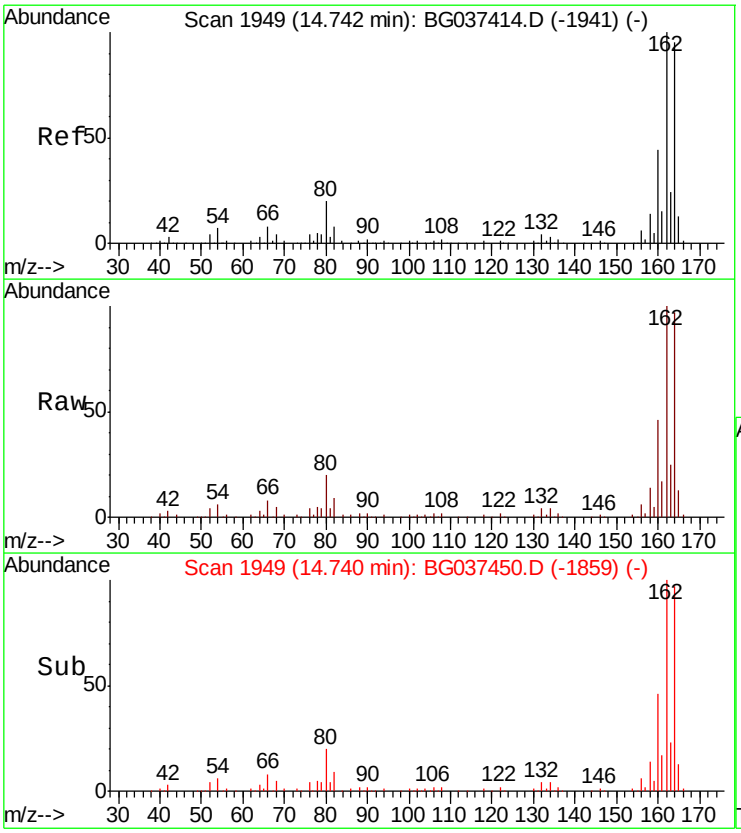
#35
Caprolactam
Concen: 3.470 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.03 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:113 Resp: 5463

Ion	Ratio	Lower	Upper
113	100		
55	200.6	176.6	216.6
56	142.9	128.3	168.3

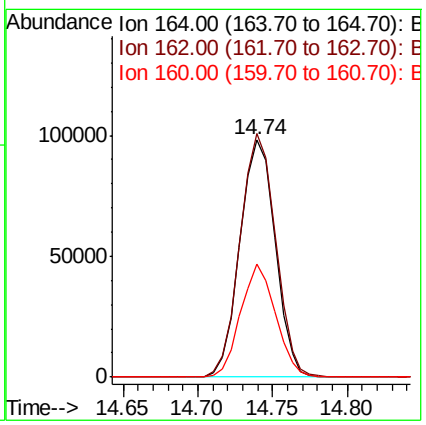


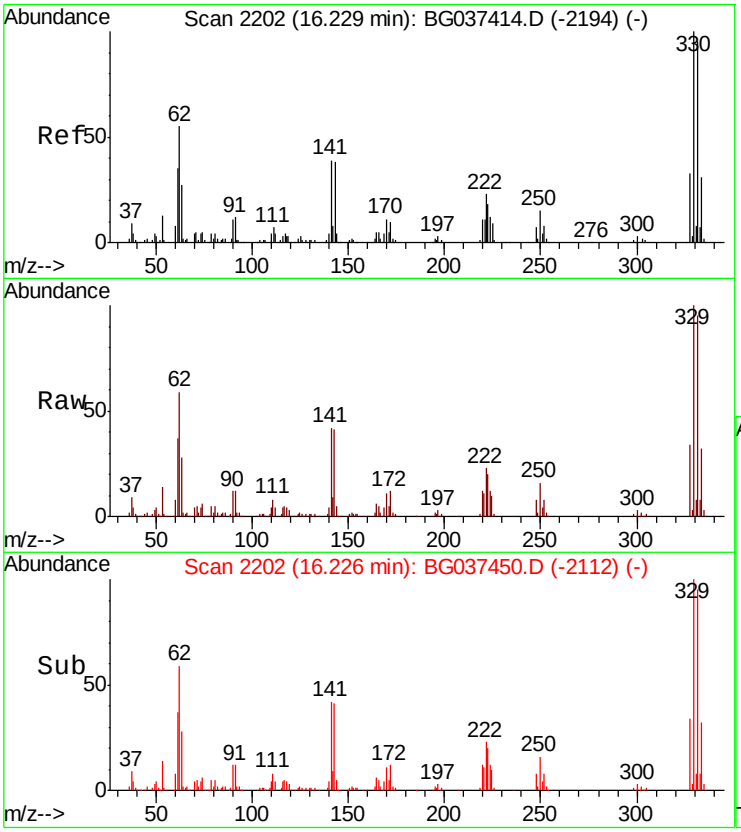


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:164 Resp: 160987

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	47.7	36.3	54.5



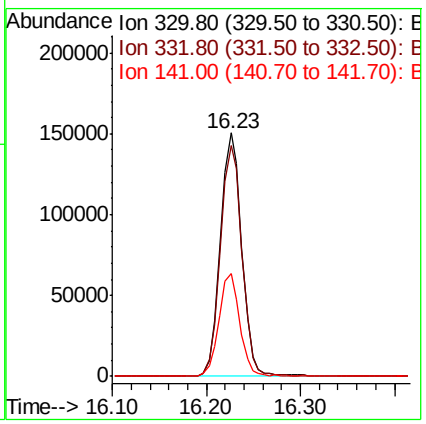


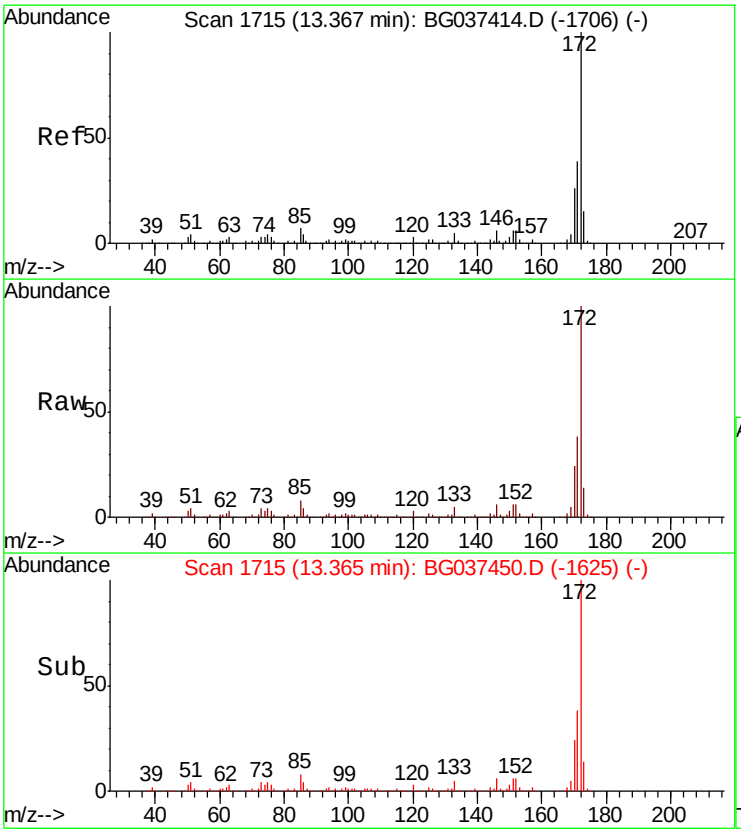
#42
2,4,6-Tribromophenol
Concen: 136.294 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:330 Resp: 239315

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.4	117.6
141	41.3	32.2	48.2

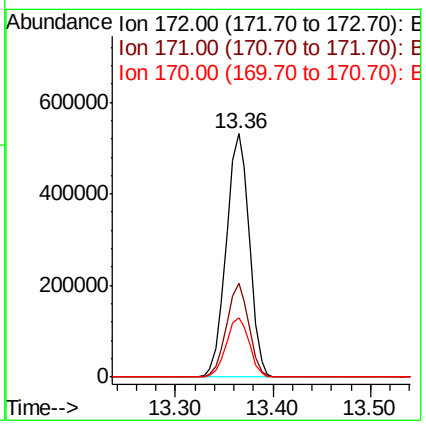


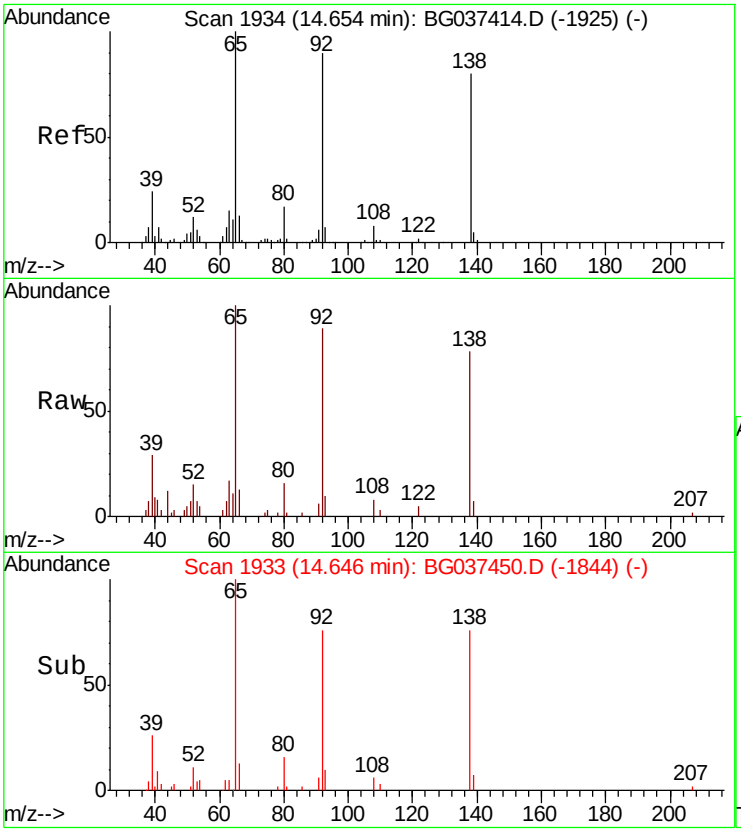


#45
2-Fluorobiphenyl
Concen: 81.426 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:172 Resp: 869303

Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	24.4	20.2	30.2



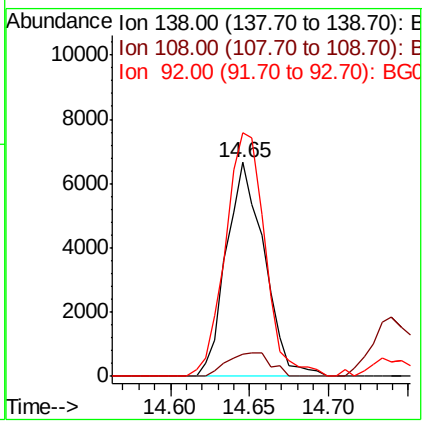


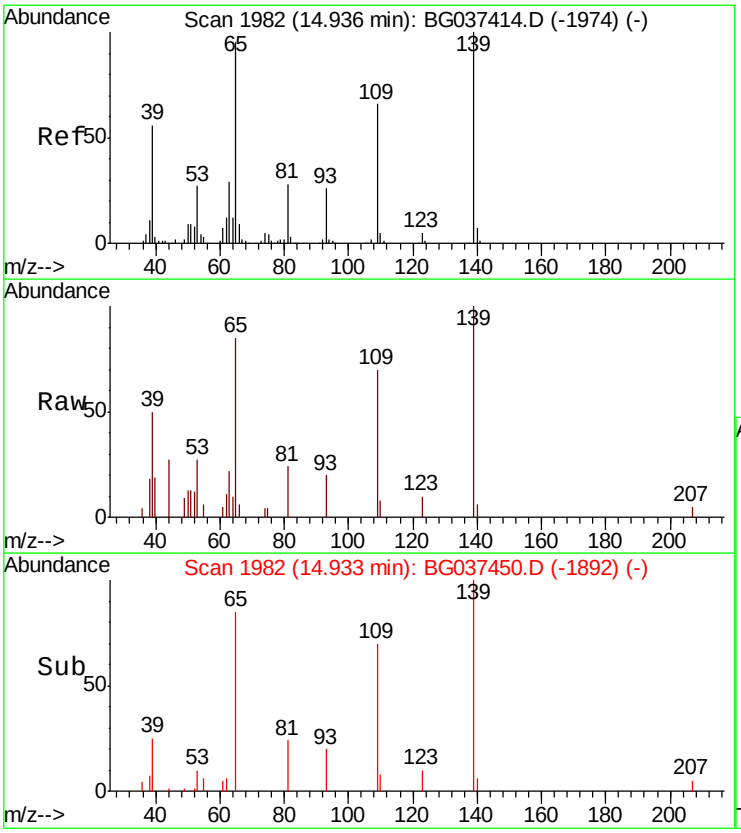
#53
3-Nitroaniline
Concen: 3.625 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:138 Resp: 11088

Ion	Ratio	Lower	Upper
138	100		
108	10.2	11.0	16.6#
92	113.9	95.2	142.8

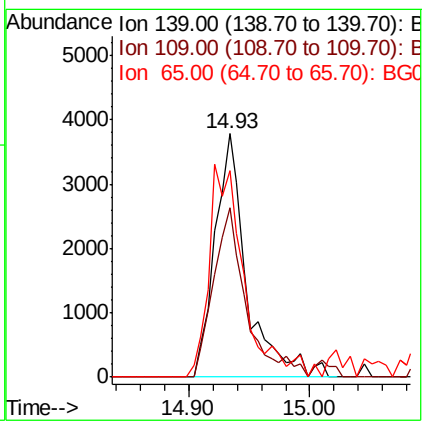


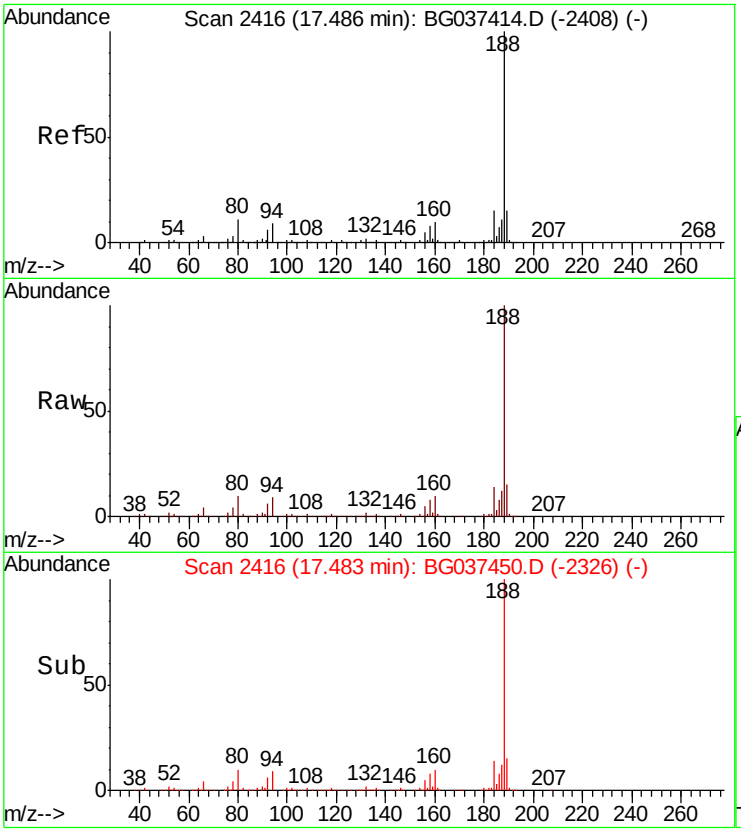


#56
4-Nitrophenol
Concen: 3.027 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:139 Resp: 6854

Ion	Ratio	Lower	Upper
139	100		
109	69.6	49.5	89.5
65	85.0	76.8	116.8



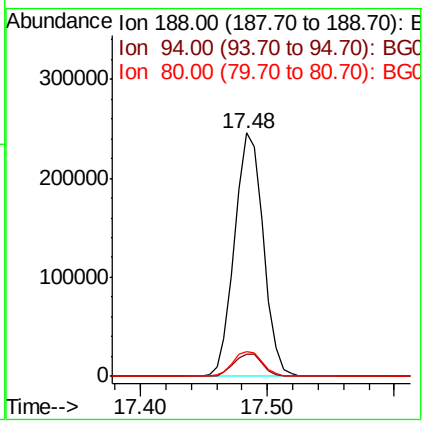


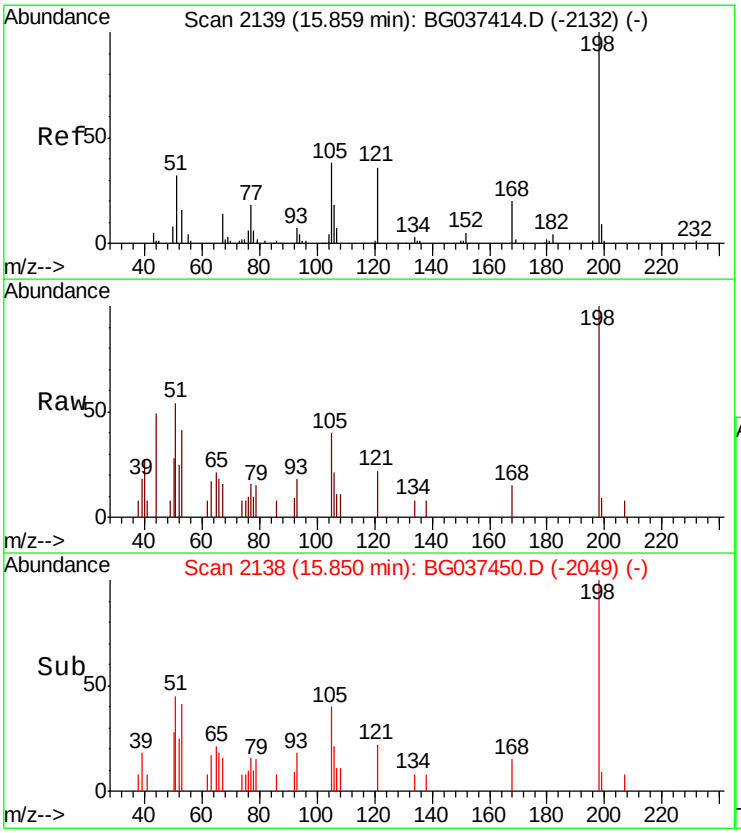
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:188 Resp: 384858

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.3	7.7	11.5

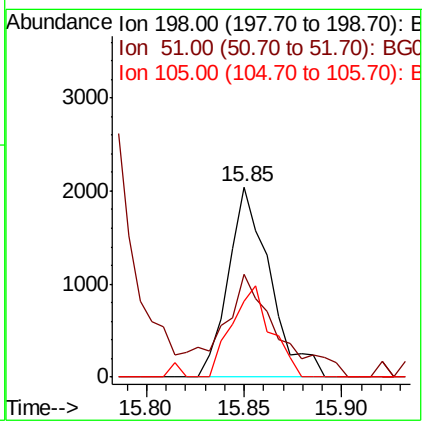


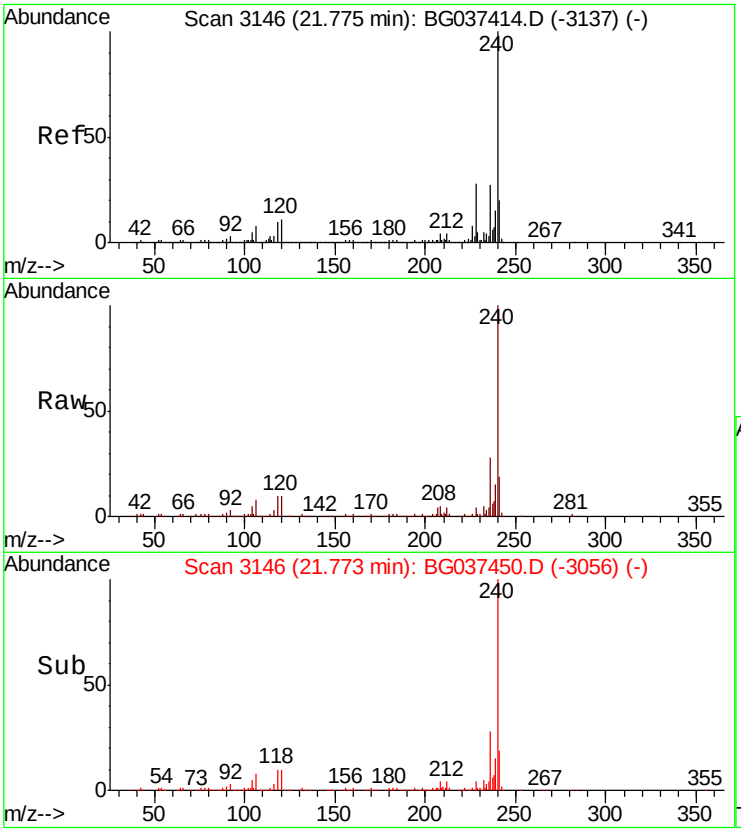


#65
4,6-Dinitro-2-methylphenol
Concen: 9.736 ng
RT: 15.85 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:198 Resp: 3015

Ion	Ratio	Lower	Upper
198	100		
51	54.2	22.7	62.7
105	39.6	19.7	59.7



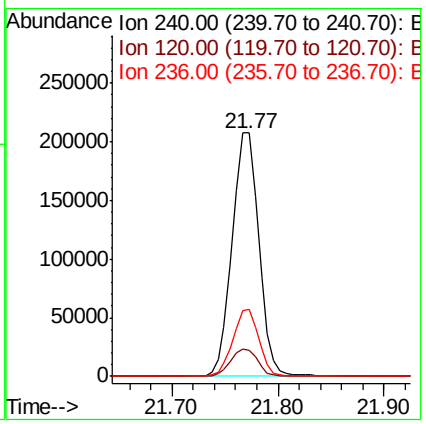


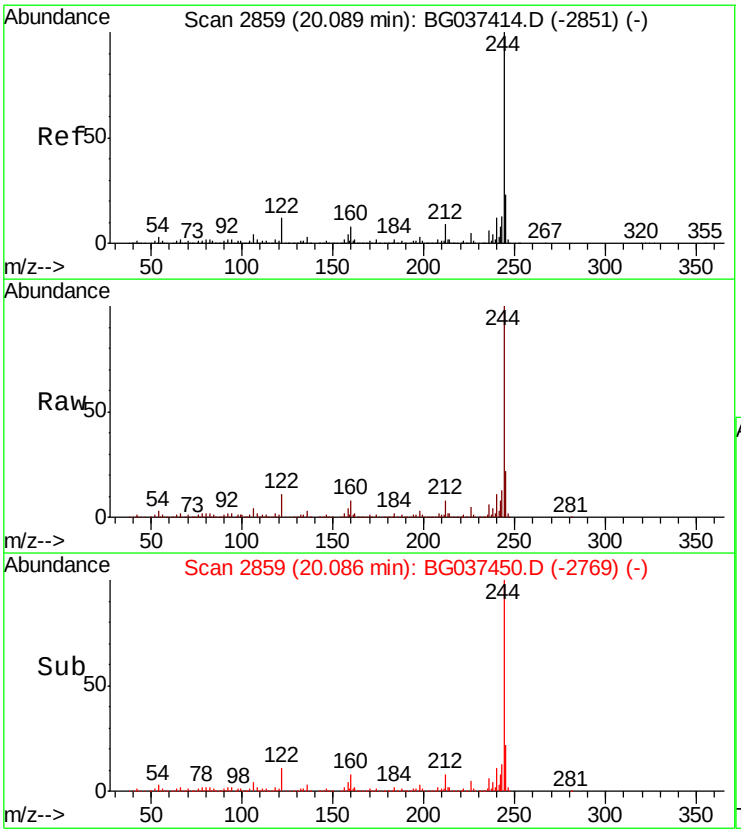
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:240 Resp: 363962

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.1	12.1
236	27.6	21.4	32.0

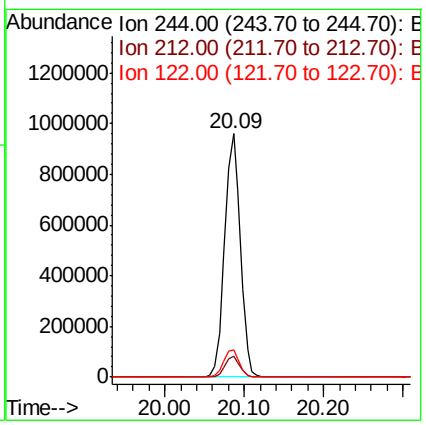


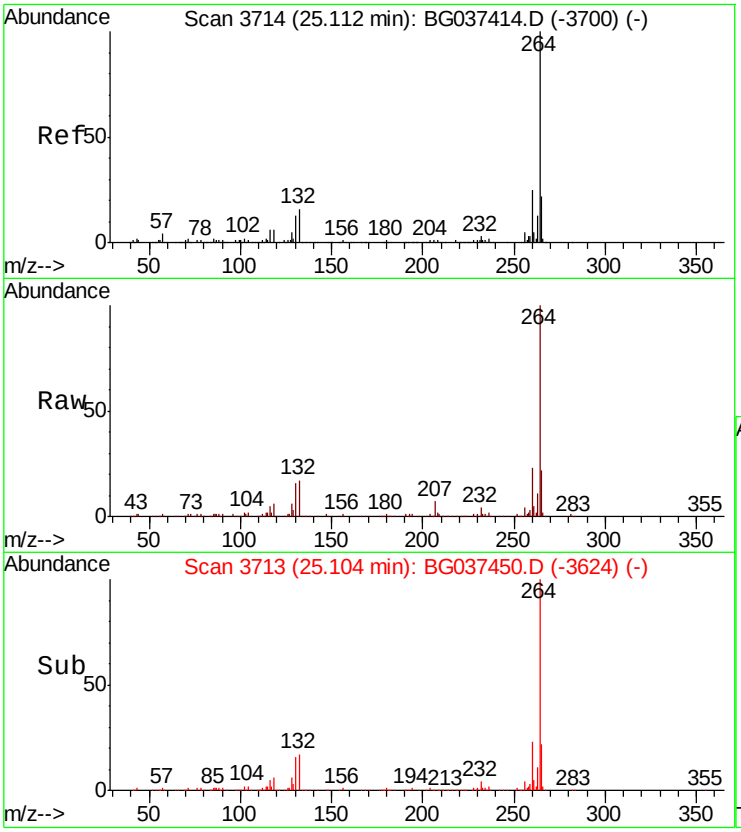


#79
Terphenyl-d14
Concen: 77.264 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:244 Resp: 1316063

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	11.2	9.0	13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:264 Resp: 357568

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	22.1	17.9	26.9