Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
Data File : BG039482.D
Acq On : 13 Feb 2019 3:11
Operator : JU/SJ
Sample : K1457-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IDW-SOIL-04

Quant Time: Feb 13 06:58:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50668	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	231144	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	159996	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	386248	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	404743	20.00	ng	-0.02
87) Perylene-d12	25.22	264	400559	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	449832	151.95	ng	0.00
7) Phenol-d6	7.31	99	614267	140.96	ng	0.00
23) Nitrobenzene-d5	9.35	82	433440	117.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	262384	152.29	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1024583	91.87	ng	-0.01
79) Terphenyl-d14	20.13	244	1653798	86.49	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.30	77	866	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	56197	18.170	ng	# 68
48) 2-Nitroaniline	13.42	65	1804	8.815	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	20227	13.790	ng	# 24
53) 3-Nitroaniline	14.45	138	57	5.812	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	20227	13.298	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	898	4.920	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20771	4.847	ng	# 1
77) Benzidine	20.13	184	29081	2.192	ng	# 94

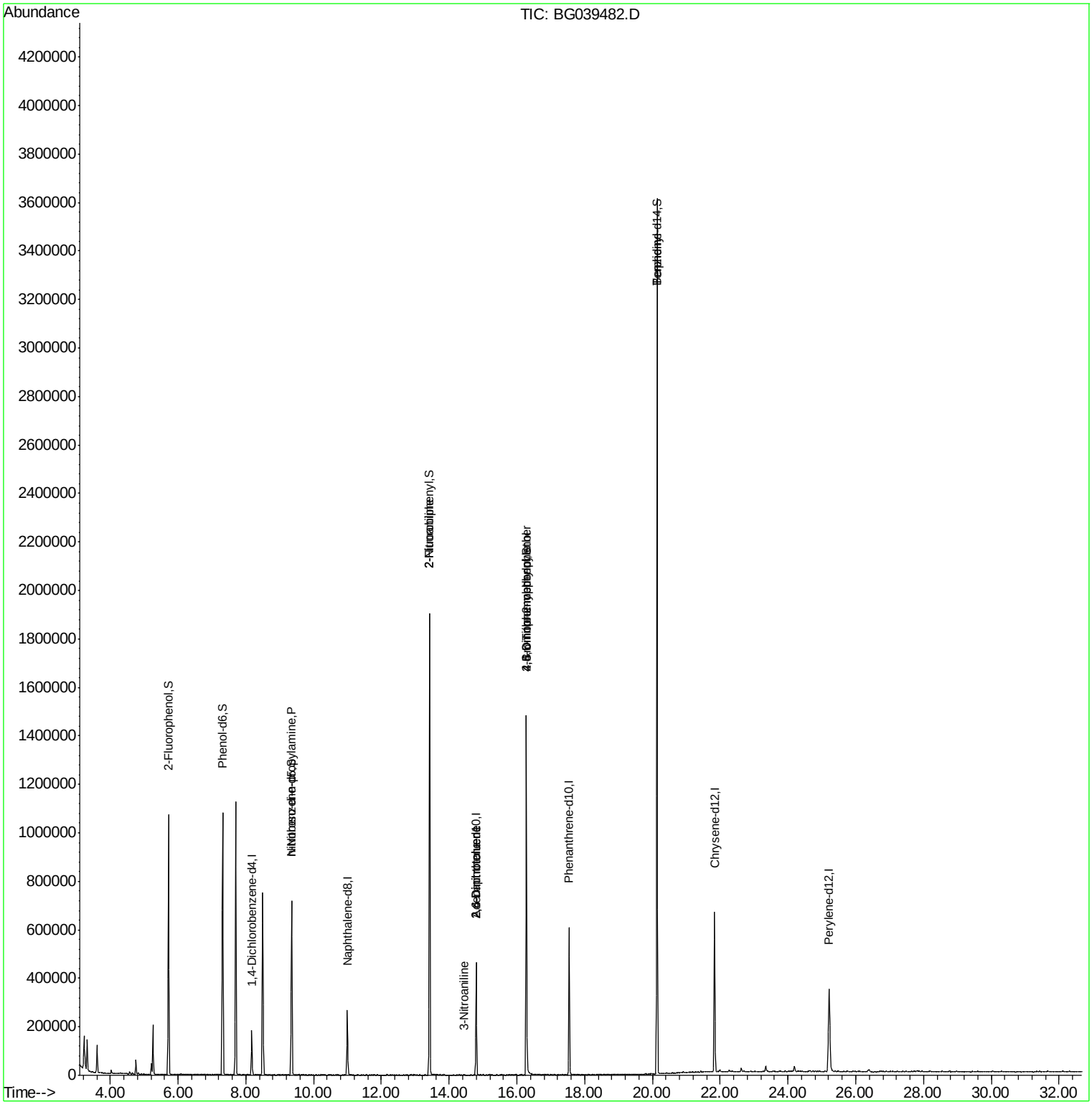
(#) = qualifier out of range (m) = manual integration (+) = signals summed

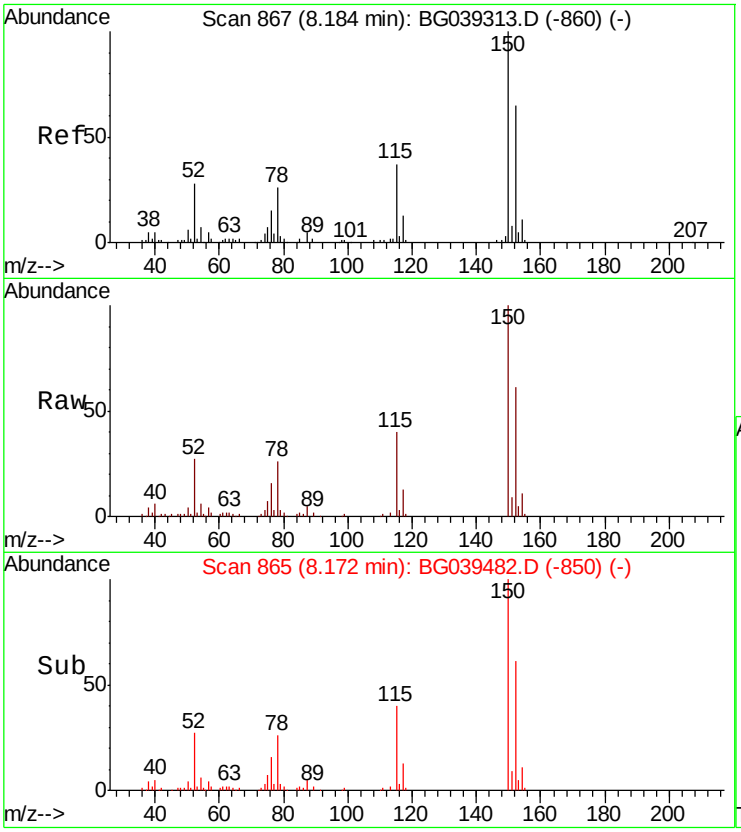
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
Data File : BG039482.D
Acq On : 13 Feb 2019 3:11
Operator : JU/SJ
Sample : K1457-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Quant Time: Feb 13 06:58:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration



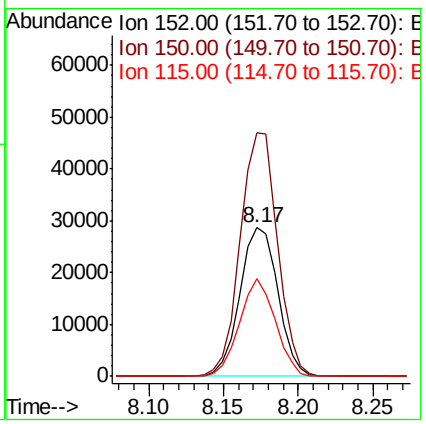


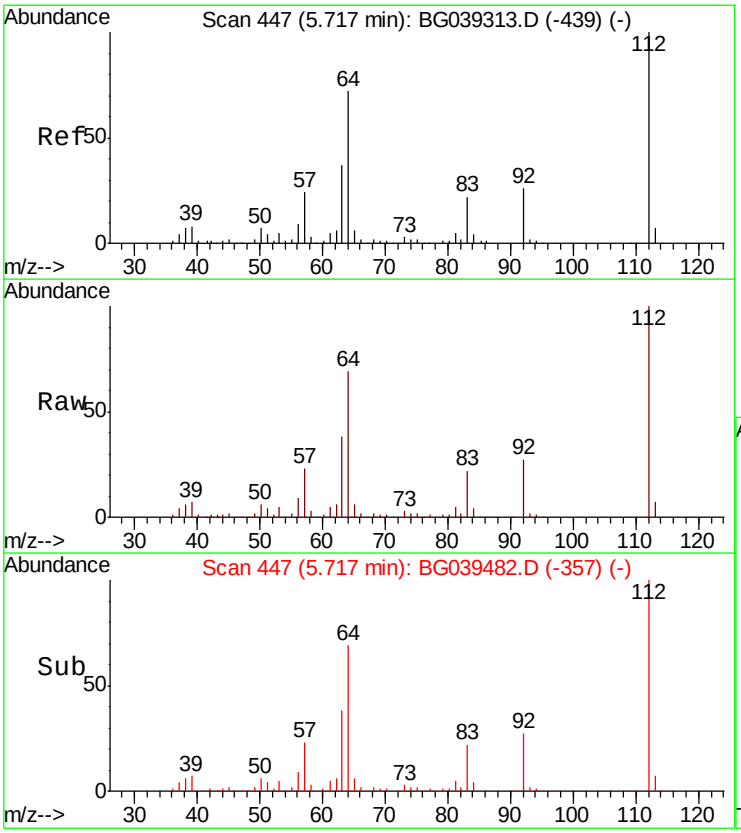
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:152 Resp: 50668

Ion	Ratio	Lower	Upper
152	100		
150	163.7	123.7	185.5
115	65.6	45.9	68.9

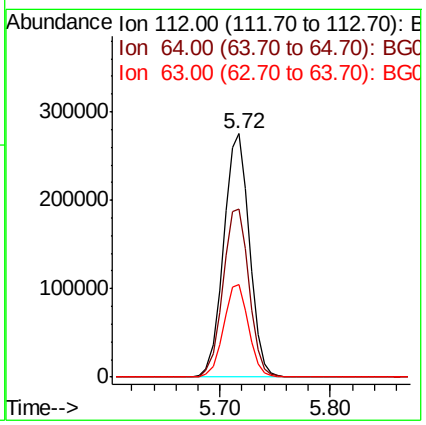


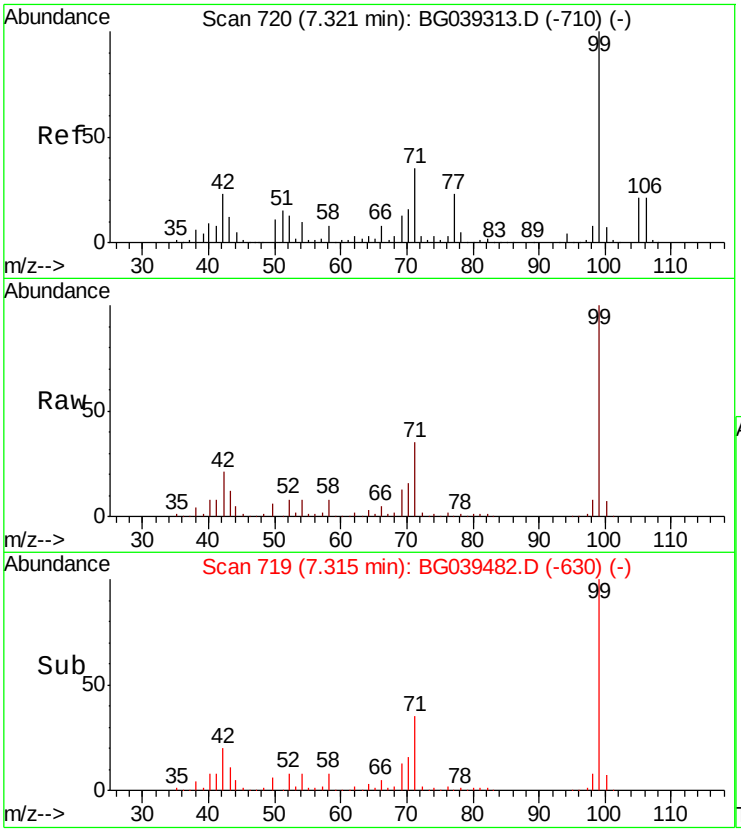


#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:112 Resp: 449832

Ion	Ratio	Lower	Upper
112	100		
64	69.2	57.8	86.8
63	38.0	29.8	44.6



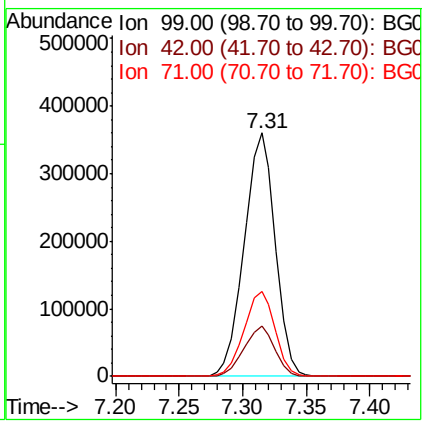


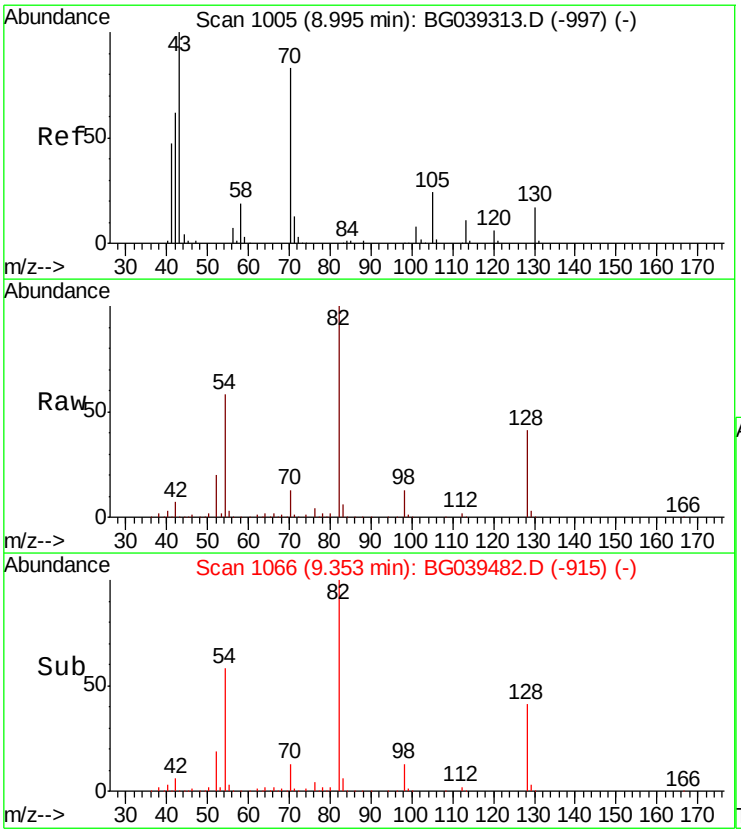
#7
Phenol-d6
Concen: 140.962 ng
RT: 7.31 min Scan# 719
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion: 99 Resp: 614267

Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.2	27.2
71	34.7	28.0	42.0

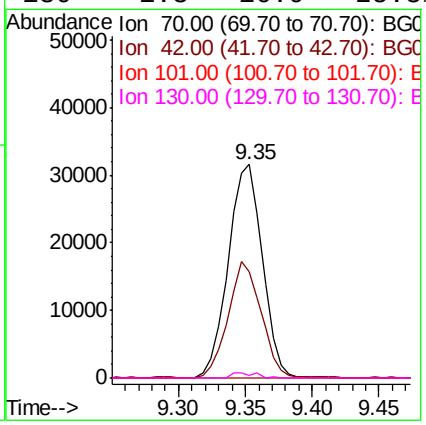


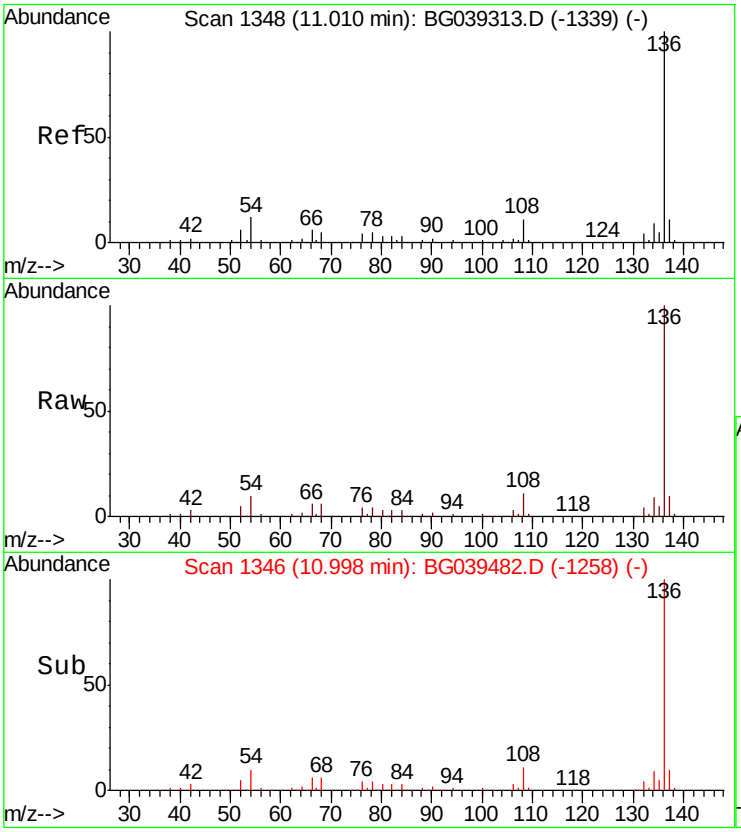


#19
n-Nitroso-di-n-propylamine
Concen: 18.170 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.36 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion: 70 Resp: 56197

Ion	Ratio	Lower	Upper
70	100		
42	49.8	60.4	90.6#
101	0.0	7.5	11.3#
130	1.3	16.9	25.3#



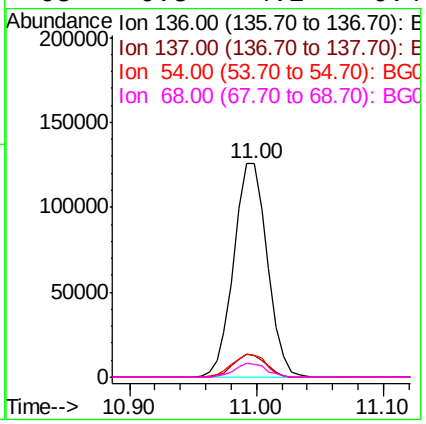


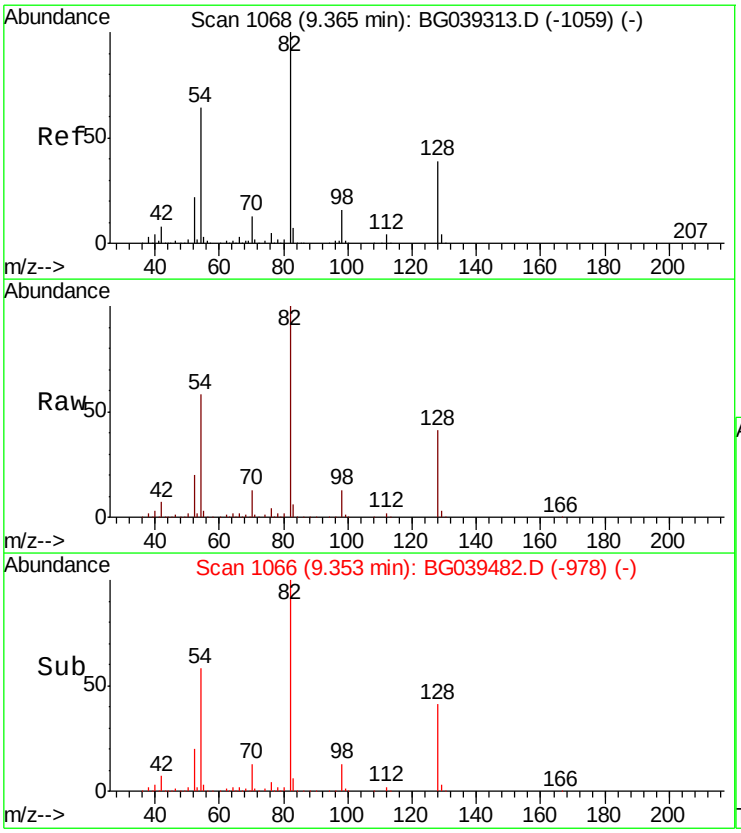
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:136 Resp: 231144

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.3	9.4	14.2
68	6.3	4.2	6.4

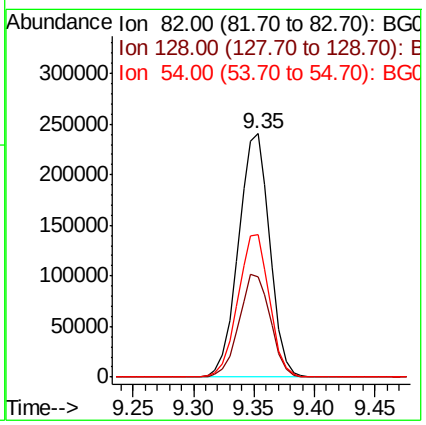


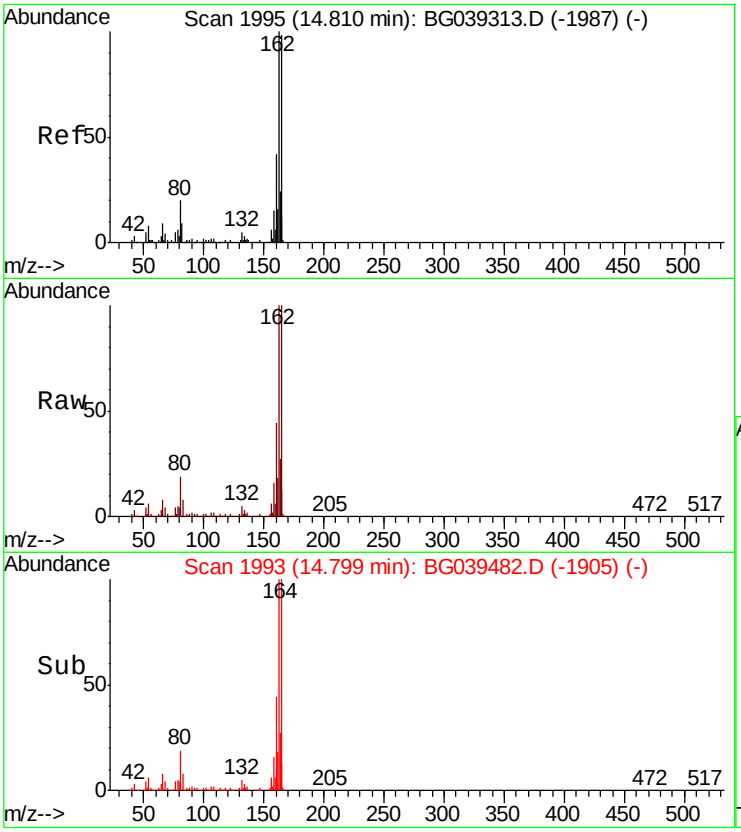


#23
Nitrobenzene-d5
Concen: 117.146 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion: 82 Resp: 433440

Ion	Ratio	Lower	Upper
82	100		
128	41.3	31.3	46.9
54	58.3	50.9	76.3



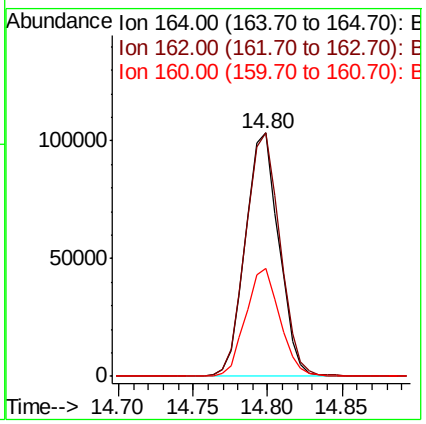


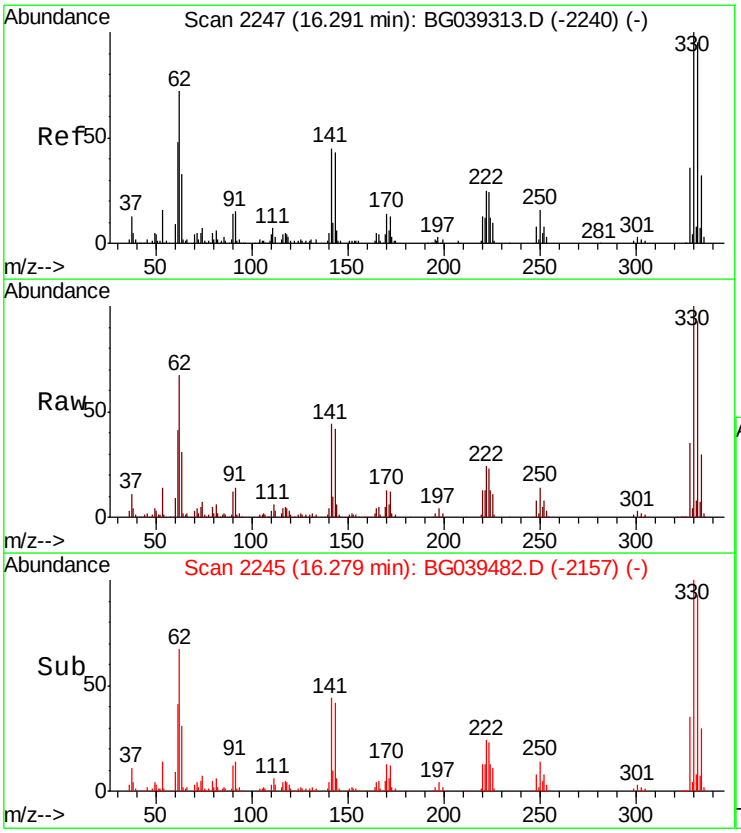
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:164 Resp: 159996

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.6	122.4
160	44.1	34.2	51.2

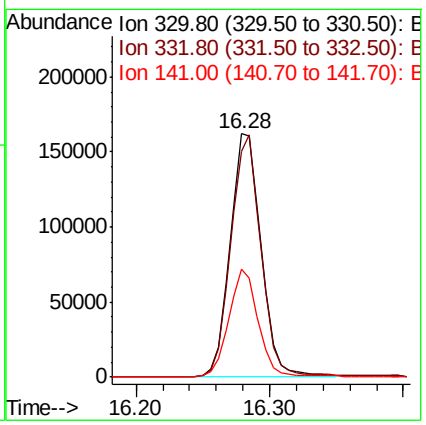


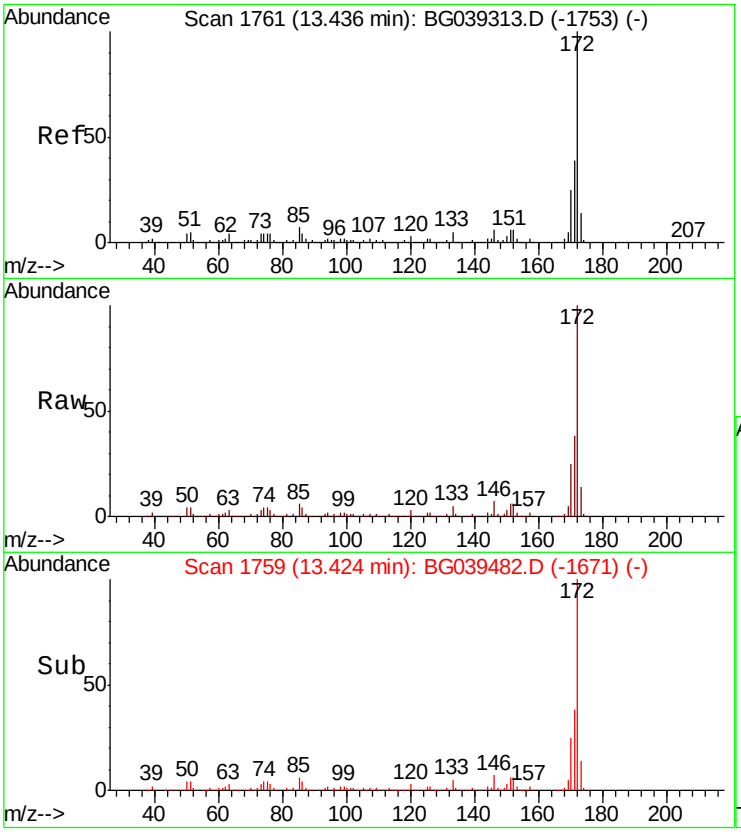


#42
2,4,6-Tribromophenol
Concen: 152.294 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:330 Resp: 262384

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.7	113.5
141	42.6	35.6	53.4



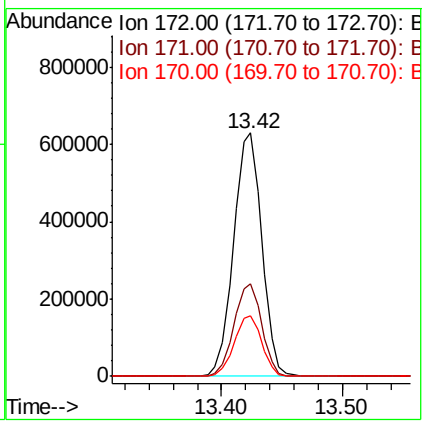


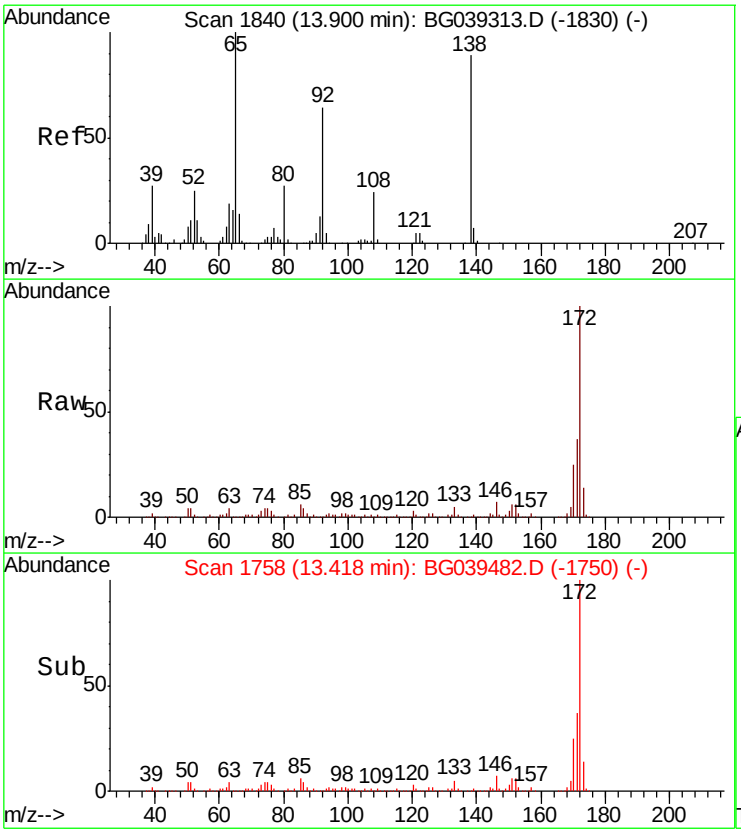
#45
2-Fluorobiphenyl
Concen: 91.866 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:172 Resp: 1024583

Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.8	46.2
170	24.9	20.2	30.4

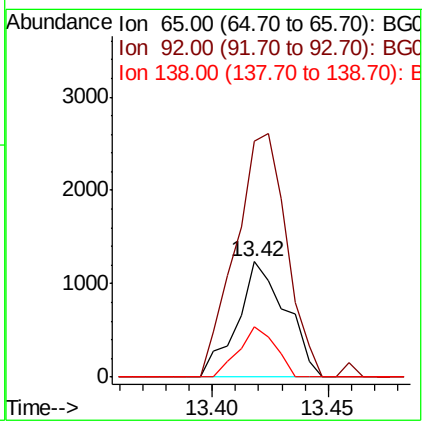


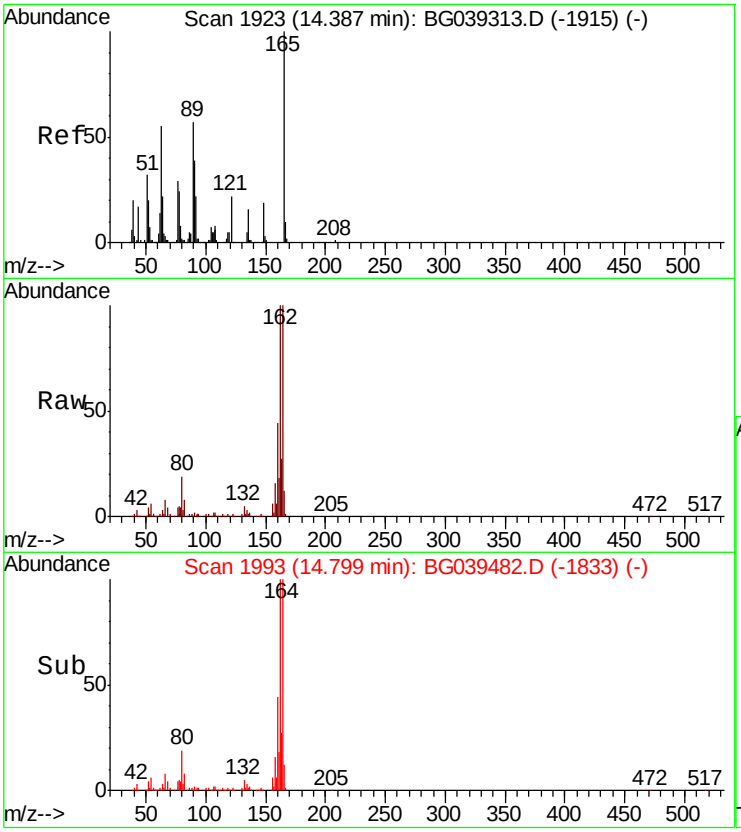


#48
2-Nitroaniline
Concen: 8.815 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion: 65 Resp: 1804

Ion	Ratio	Lower	Upper
65	100		
92	204.0	51.4	77.2#
138	43.8	71.4	107.2#



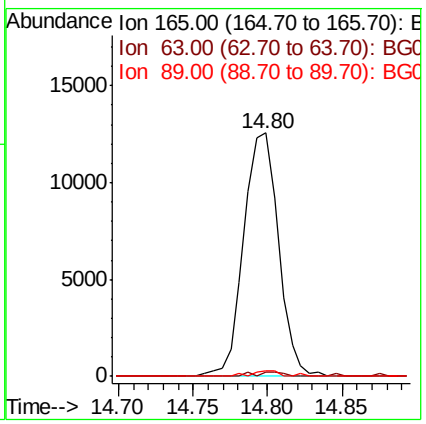


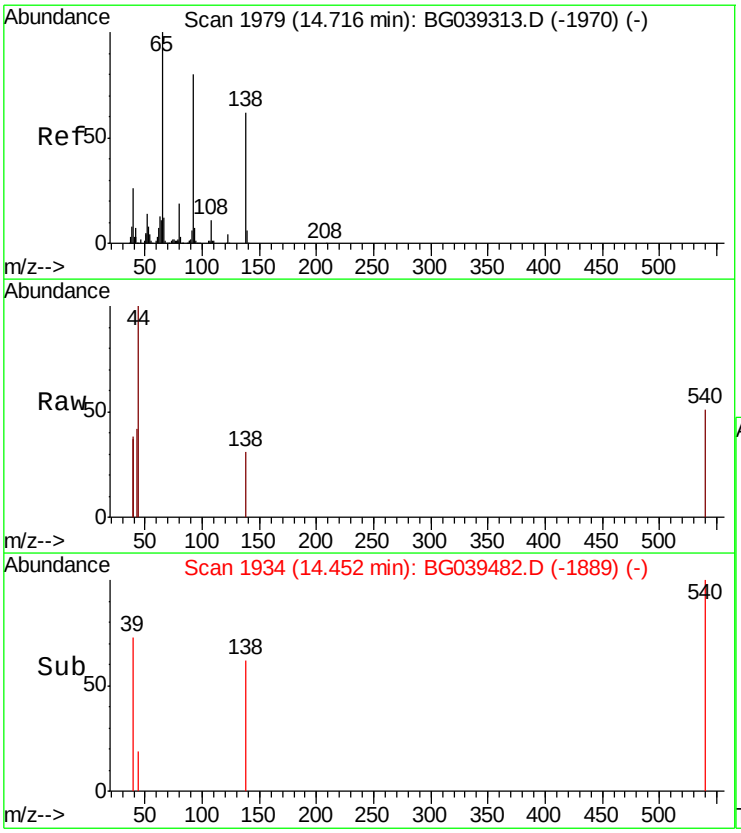
#51
2,6-Dinitrotoluene
Concen: 13.790 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:165 Resp: 20227

Ion	Ratio	Lower	Upper
165	100		
63	1.7	47.0	70.6#
89	2.1	45.8	68.8#

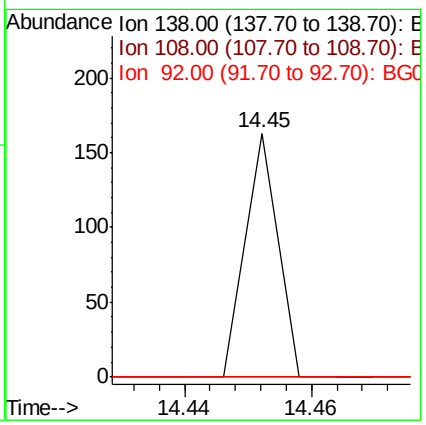


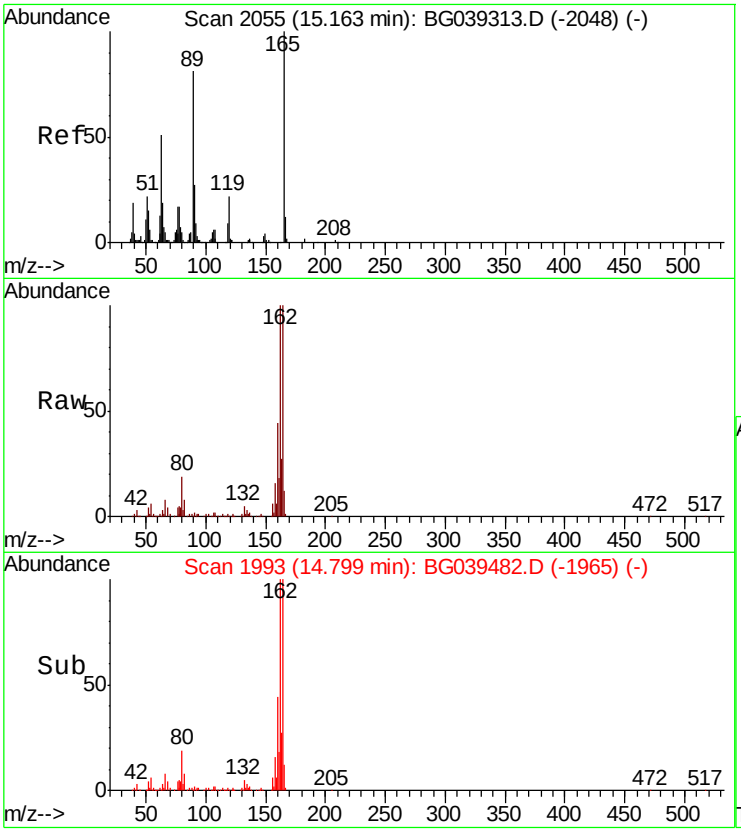


#53
3-Nitroaniline
Concen: 5.812 ng
RT: 14.45 min Scan# 1934
Delta R.T. -0.26 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:138 Resp: 57

Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



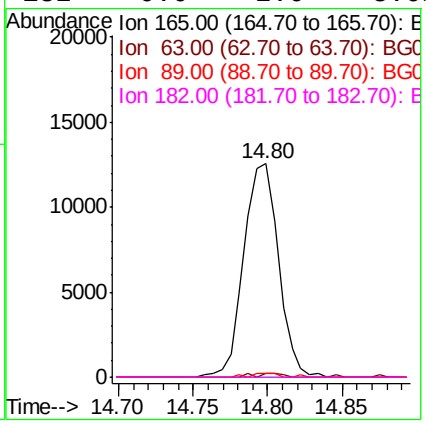


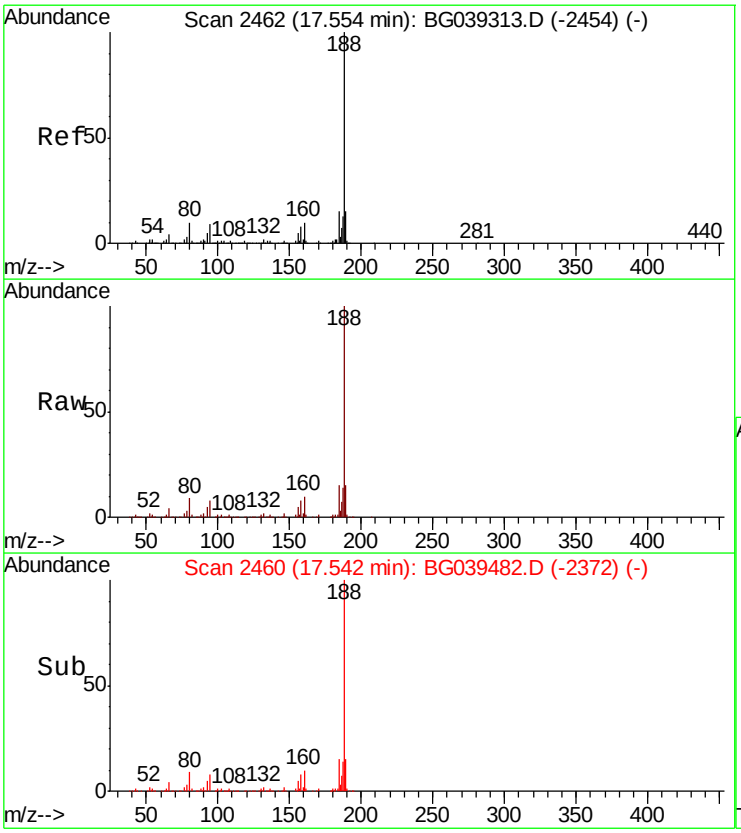
#57
2,4-Dinitrotoluene
Concen: 13.298 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:165 Resp: 20227

Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#

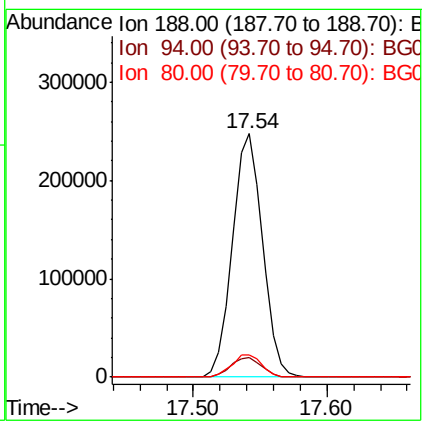


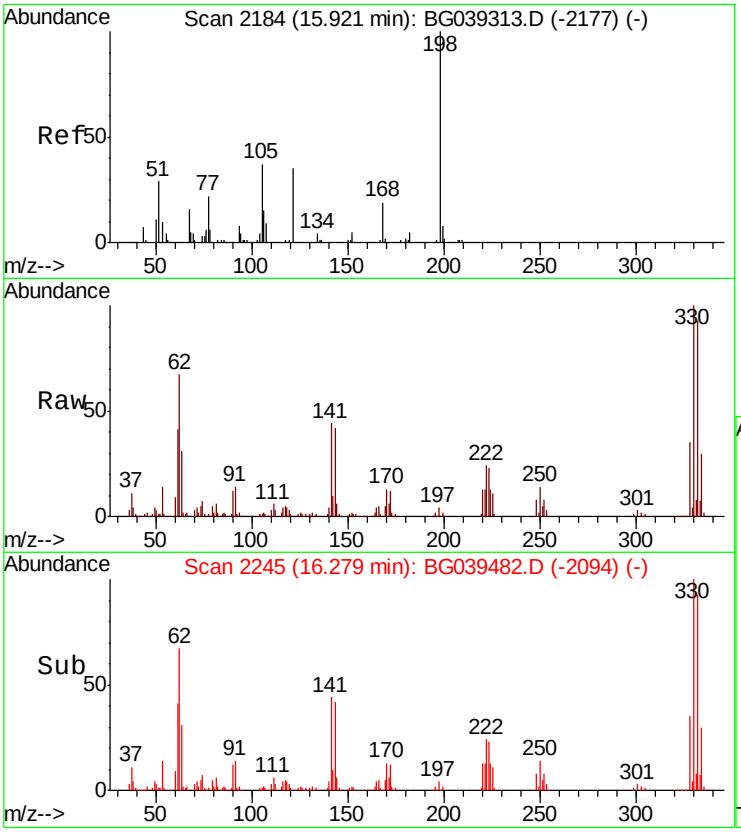


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:188 Resp: 386248

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	8.9	8.1	12.1



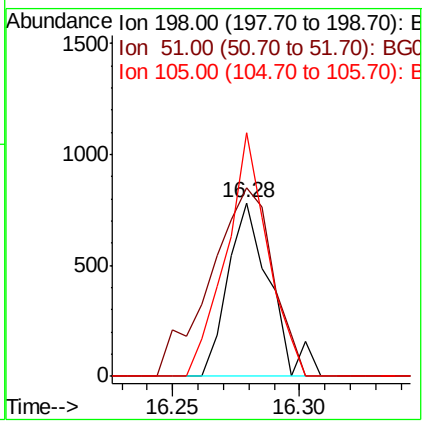


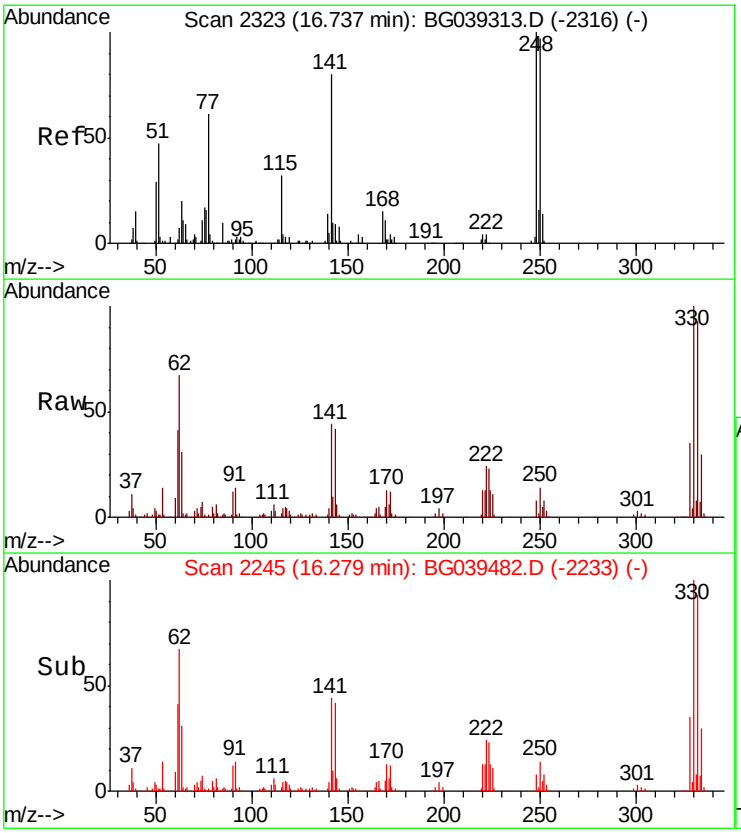
#65
4,6-Dinitro-2-methylphenol
Concen: 4.920 ng
RT: 16.28 min Scan# 2245
Delta R.T. 0.36 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:198 Resp: 898

Ion	Ratio	Lower	Upper
198	100		
51	108.8	27.4	67.4#
105	140.2	19.7	59.7#

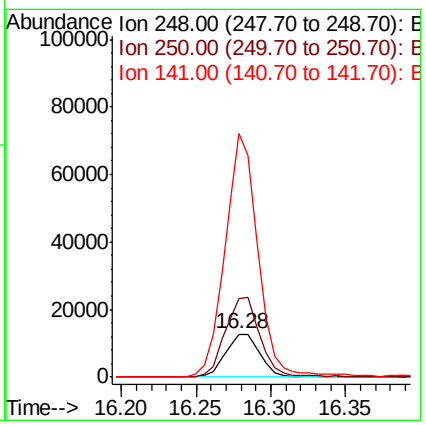


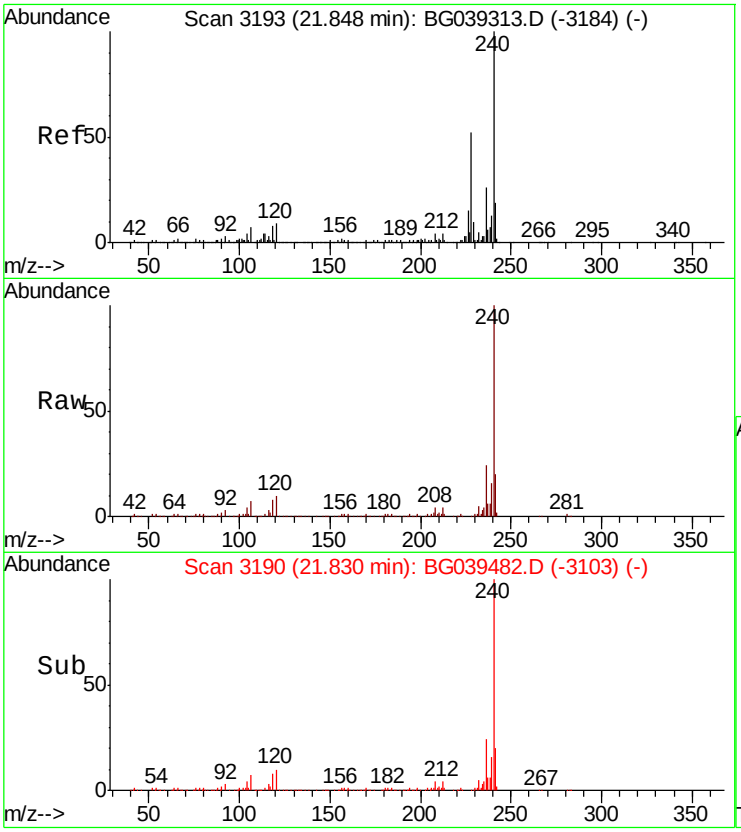


#67
4-Bromophenyl-phenylether
Concen: 4.847 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:248 Resp: 20771

Ion	Ratio	Lower	Upper
248	100		
250	183.3	77.6	116.4#
141	564.4	63.9	95.9#



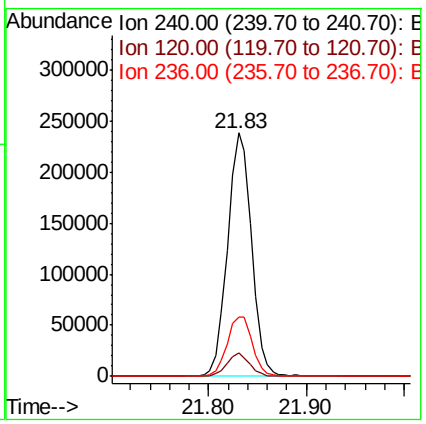


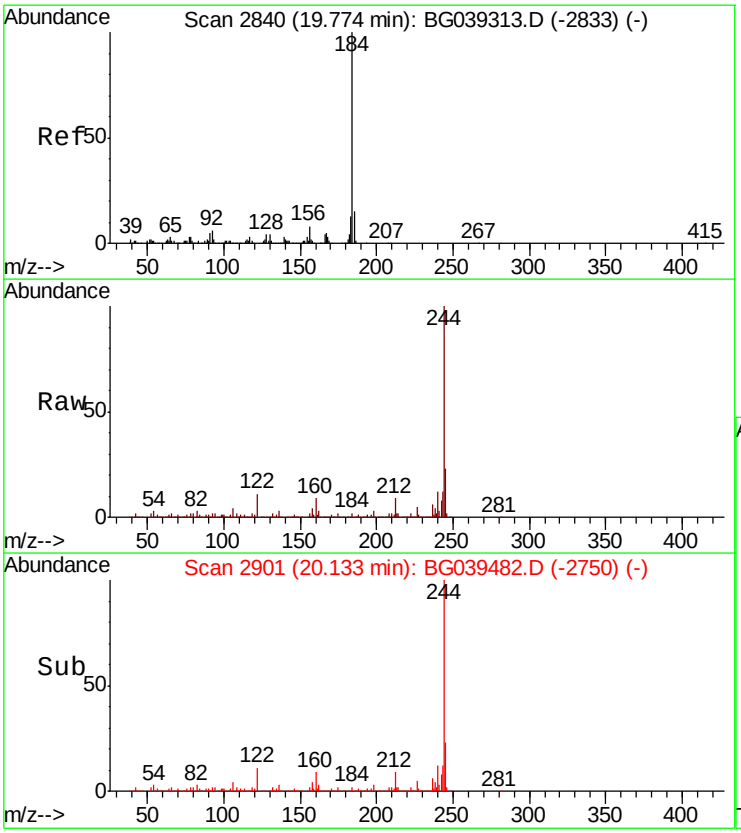
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:240 Resp: 404743

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.0	10.6
236	24.5	21.0	31.4

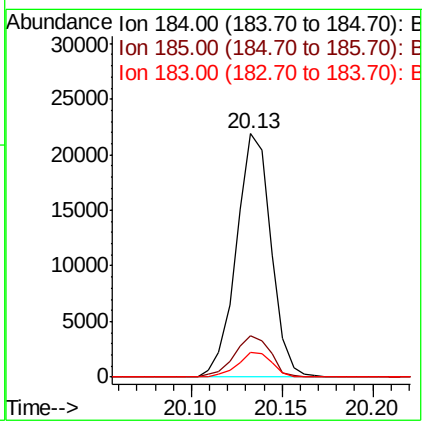


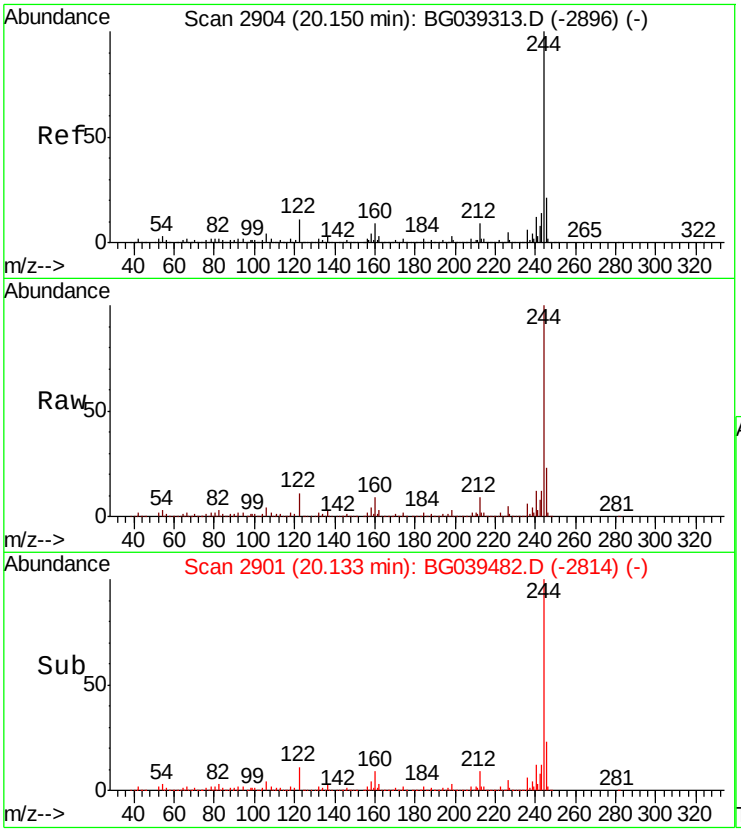


#77
Benzidine
Concen: 2.192 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:184 Resp: 29081

Ion	Ratio	Lower	Upper
184	100		
185	17.0	12.2	18.2
183	10.3	10.6	15.8#



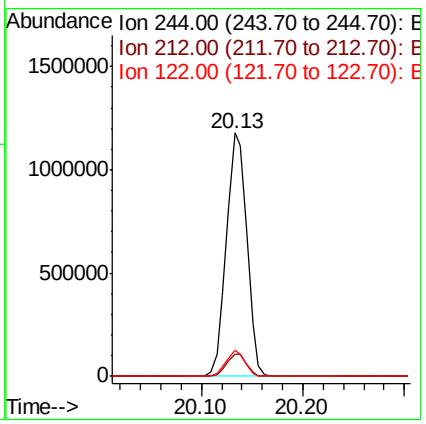


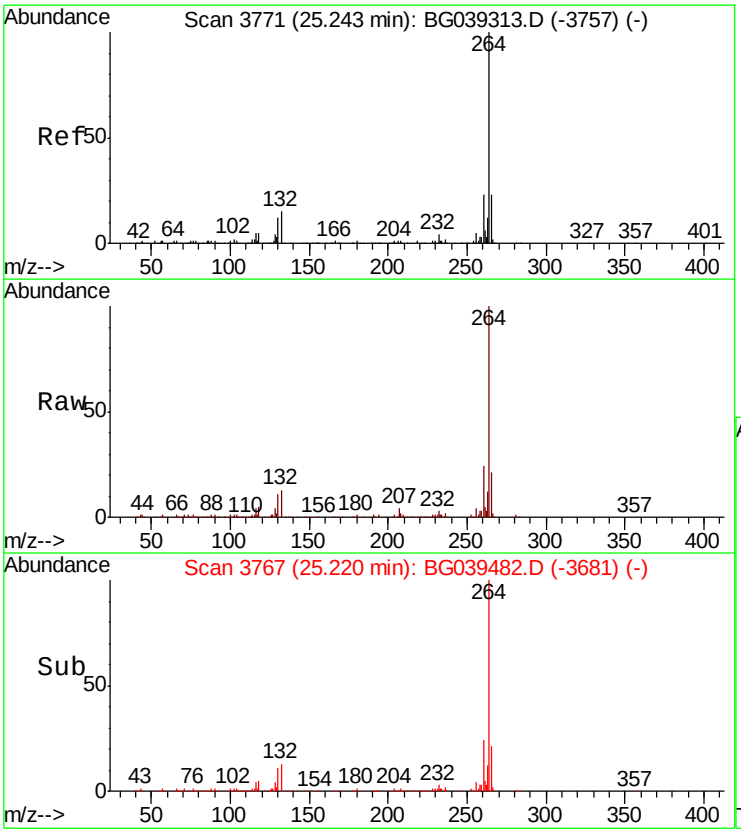
#79
Terphenyl-d14
Concen: 86.489 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

Tgt Ion:244 Resp: 1653798

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.3	10.9
122	10.5	8.4	12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.02 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:264 Resp: 400559

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	21.2	18.5	27.7