

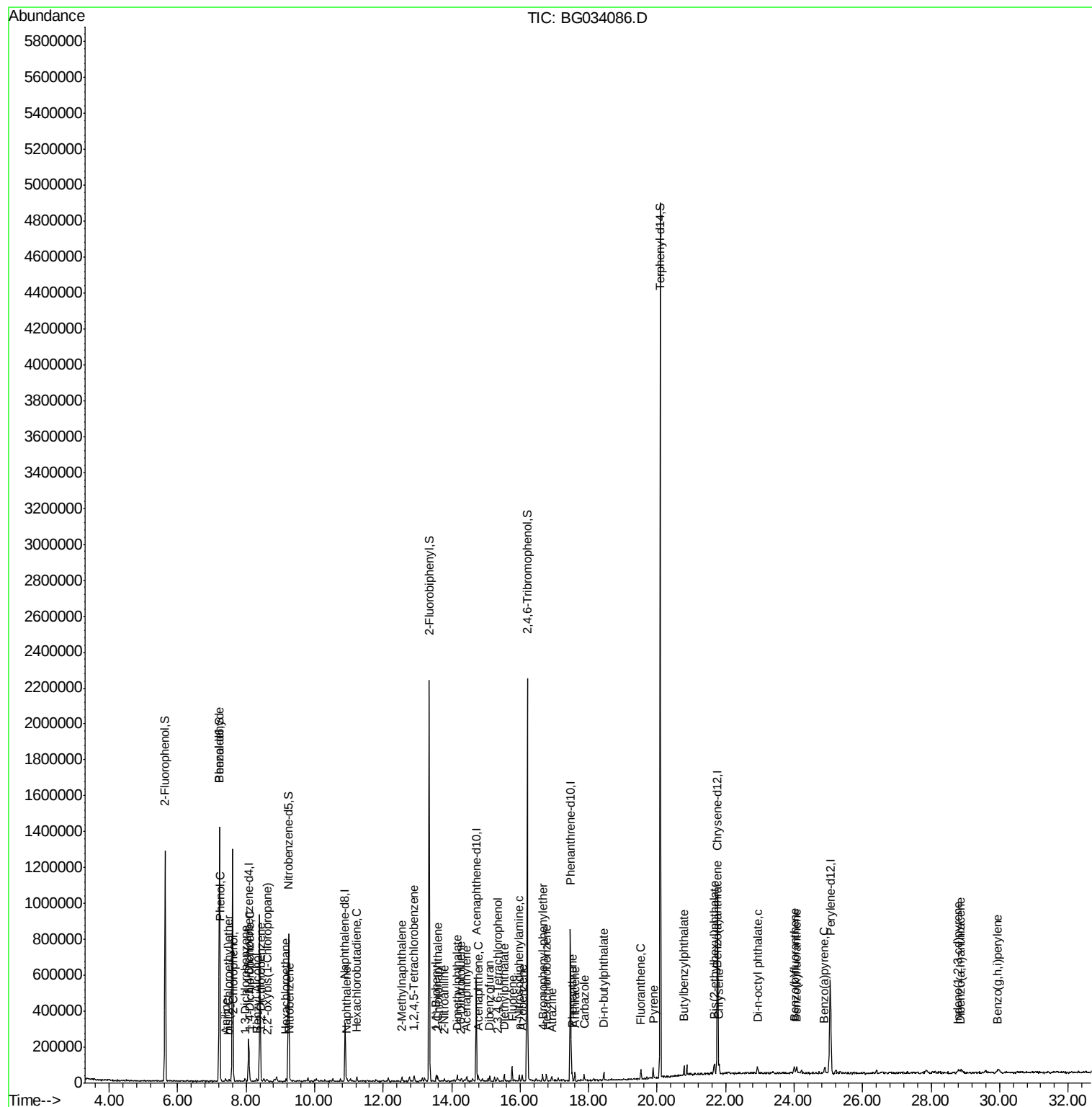
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034086.D
Acq On : 1 May 2018 19:51
Operator : SJ/JU
Sample : J2133-01
Misc : 1PPM LOD
ALS Vial : 4 Sample Multiplier: 1

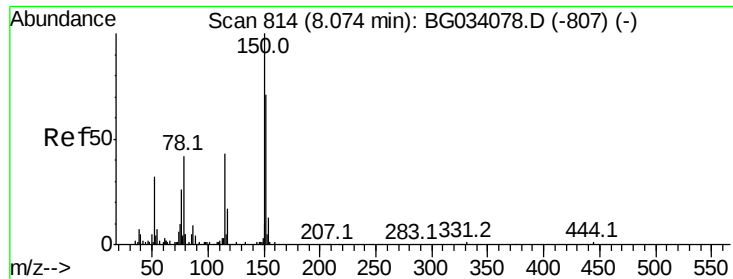
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM

Quant Time: May 02 05:40:38 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration





#1

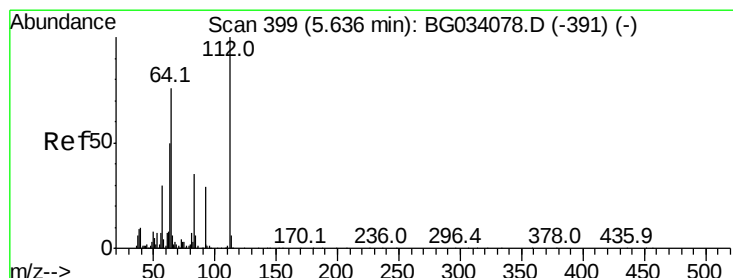
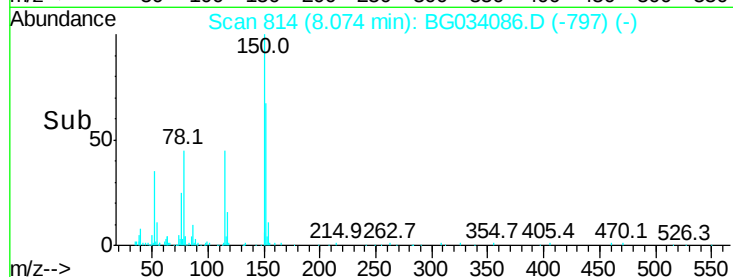
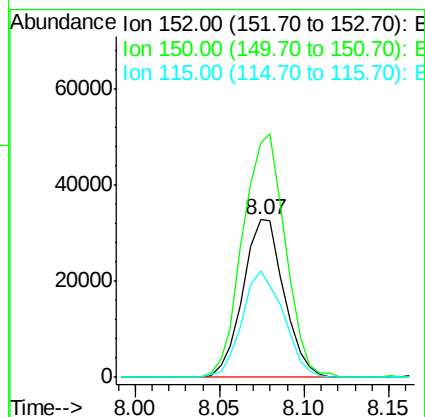
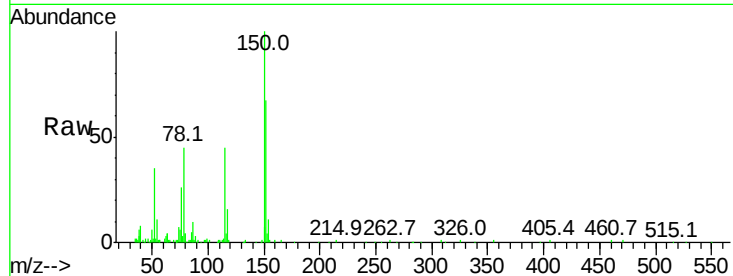
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	126.6	189.8
115	67.5	53.0	79.4

Manual Integrations
APPROVED

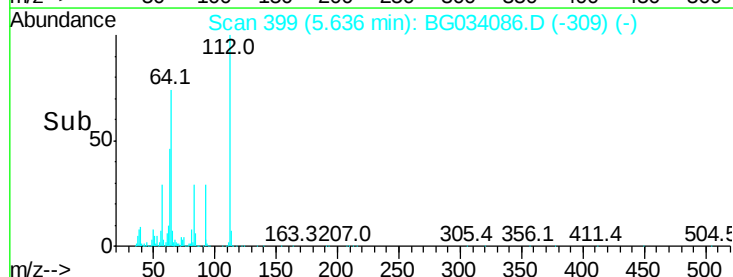
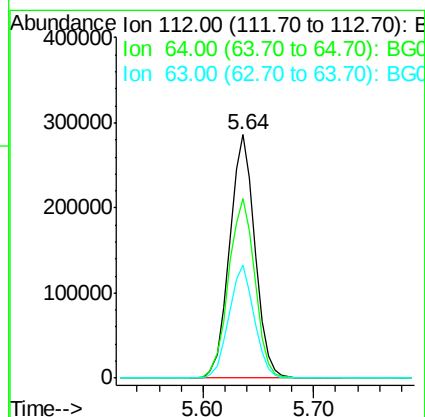
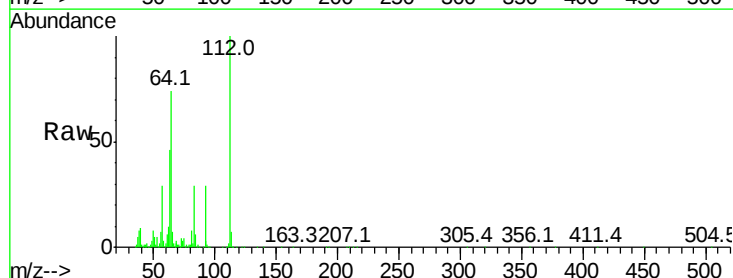
Sohil
5/2/2018 4:50:43 PM

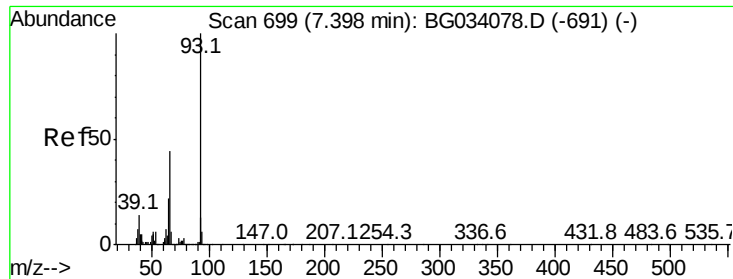


#5

2-Fluorophenol
Concen: 133.729 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	56.3	84.5
63	46.3	30.1	45.1





#6

Aniline

Concen: 0.923 ng

RT: 7.40 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

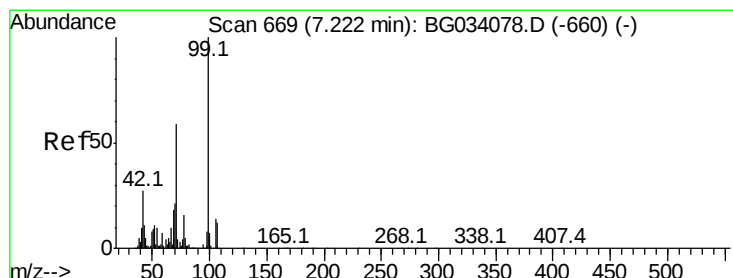
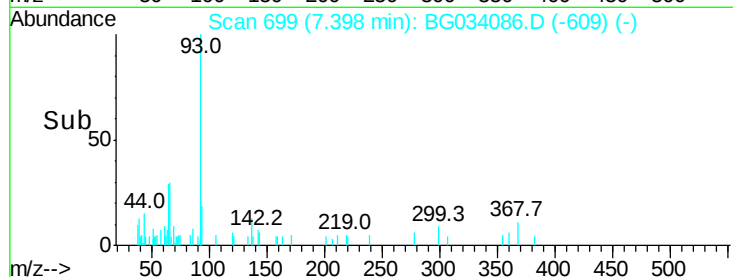
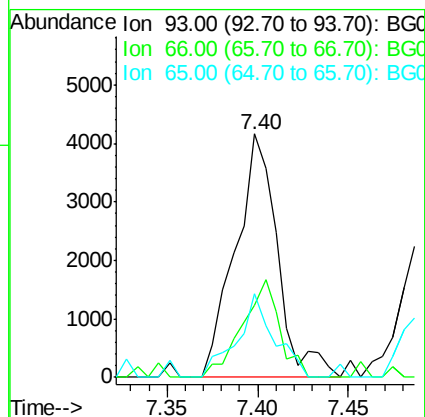
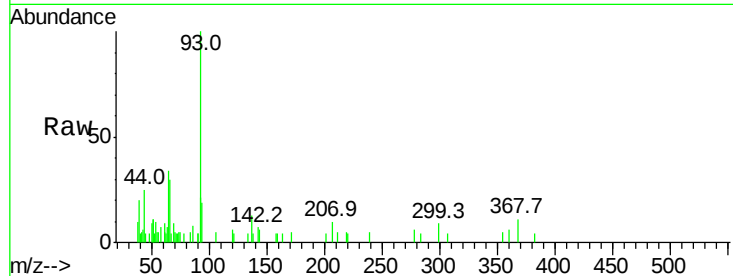
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	93	Resp:	6720
Ion Ratio	Lower	Upper	
93	100		
66	29.8	33.7	50.5#
65	34.4	16.1	24.1#

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#7

Phenol-d6

Concen: 127.921 ng

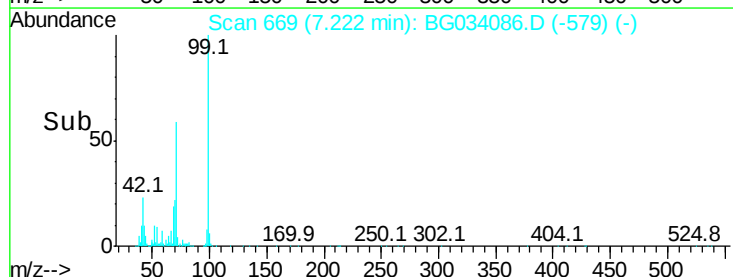
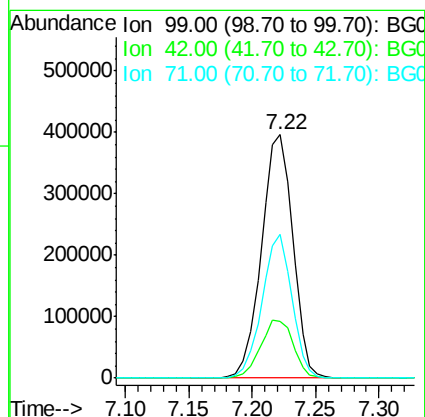
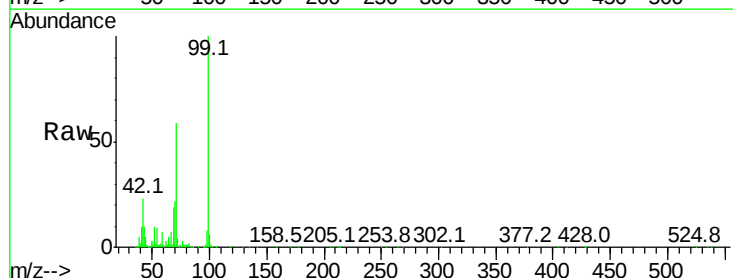
RT: 7.22 min Scan# 669

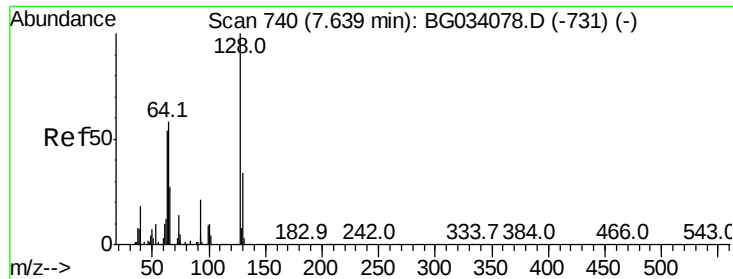
Delta R.T. 0.00 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	99	Resp:	684793
Ion Ratio	Lower	Upper	
99	100		
42	23.5	14.1	21.1#
71	59.3	26.1	39.1#





#8

2-Chlorophenol

Concen: 1.023 ng

RT: 7.63 min Scan# 739

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

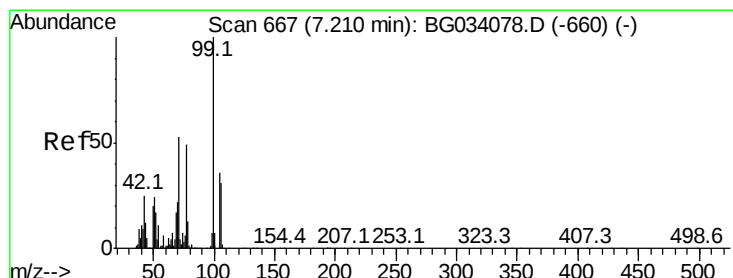
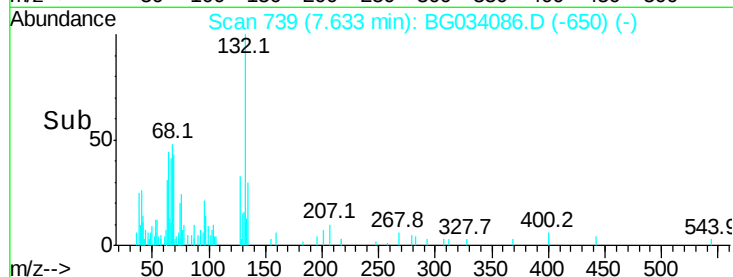
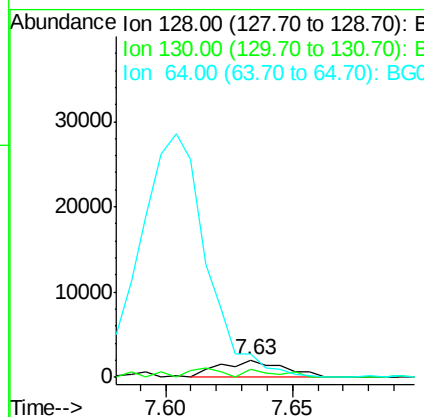
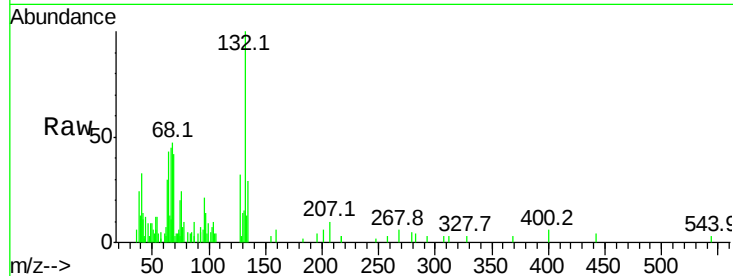
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	128	Resp:	3510
Ion Ratio	Lower	Upper	
128	100		
130	44.8	14.0	54.0
64	132.2	37.7	77.7#

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#9

Benzaldehyde

Concen: 0.056 ng

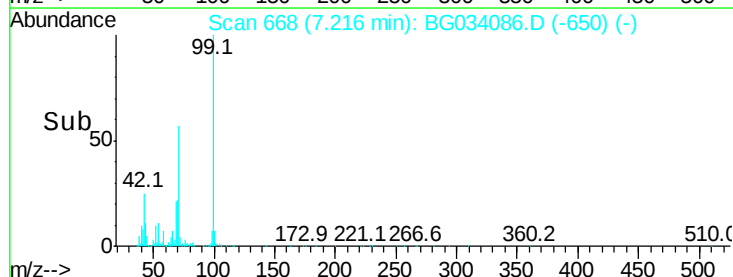
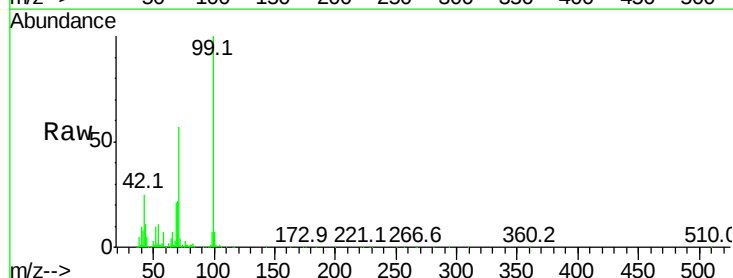
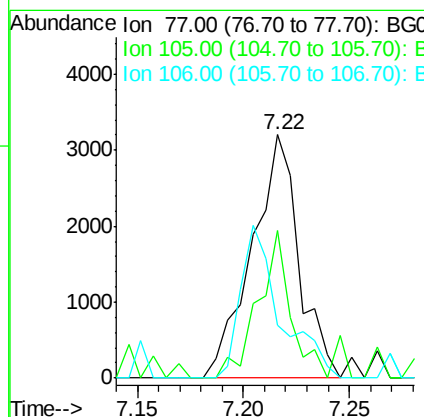
RT: 7.22 min Scan# 668

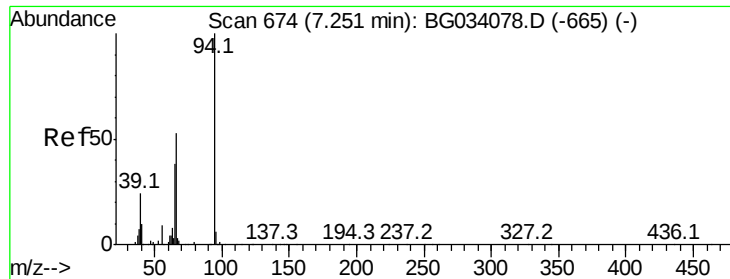
Delta R.T. 0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	77	Resp:	4954
Ion Ratio	Lower	Upper	
77	100		
105	60.8	71.3	111.3#
106	21.6	64.2	104.2#





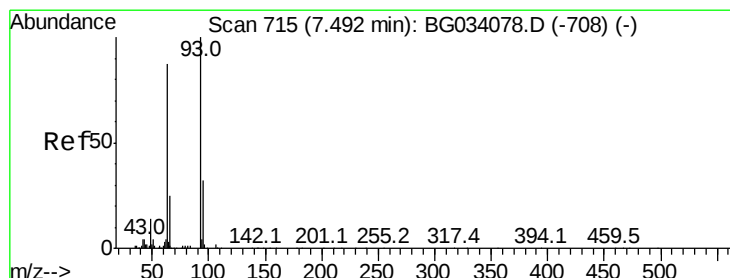
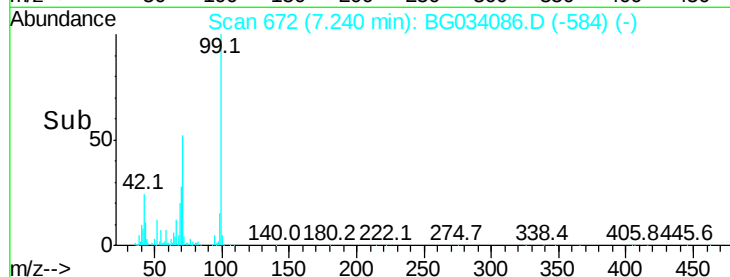
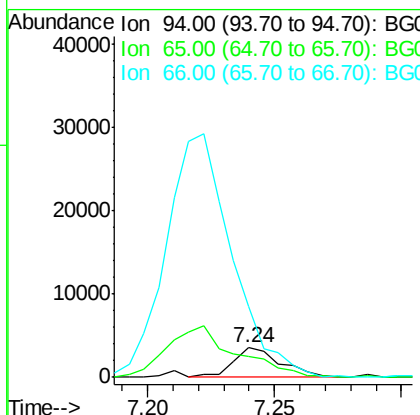
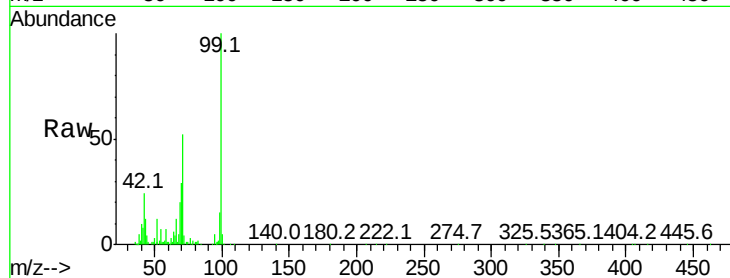
#10
Phenol
Concen: 0.867 ng
RT: 7.24 min Scan# 672
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
94	100		
65	70.6	11.9	51.9#
66	238.2	22.2	62.2#

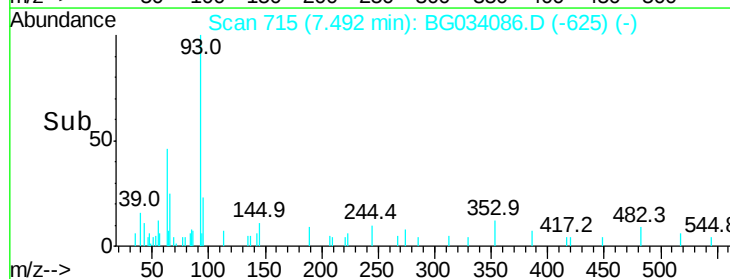
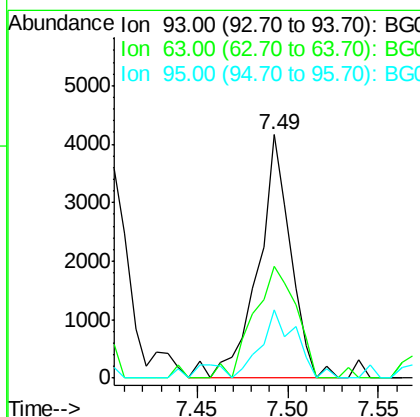
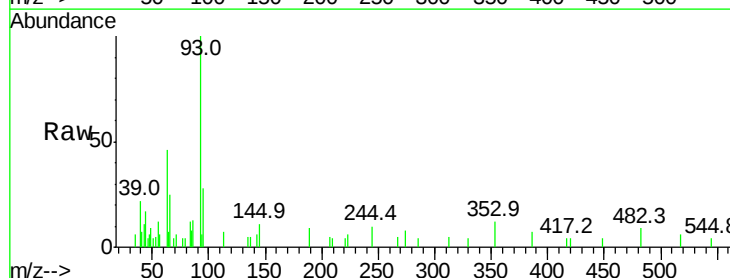
Manual Integrations
APPROVED

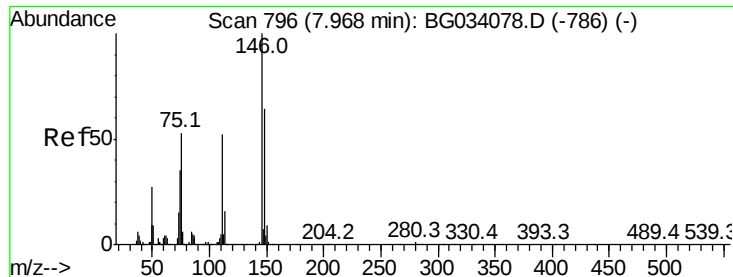
Sohil
5/2/2018 4:50:43 PM



#11
bis(2-Chloroethyl)ether
Concen: 1.228 ng
RT: 7.49 min Scan# 715
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
93	100		
63	45.8	67.1	107.1#
95	27.9	11.5	51.5





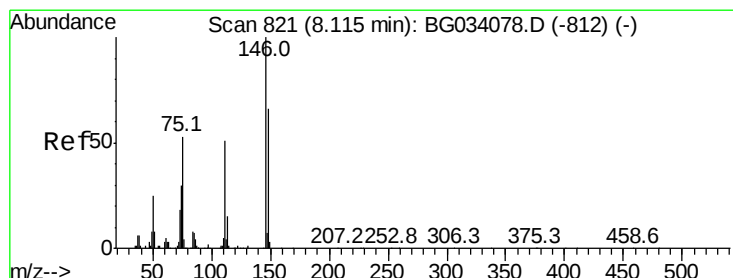
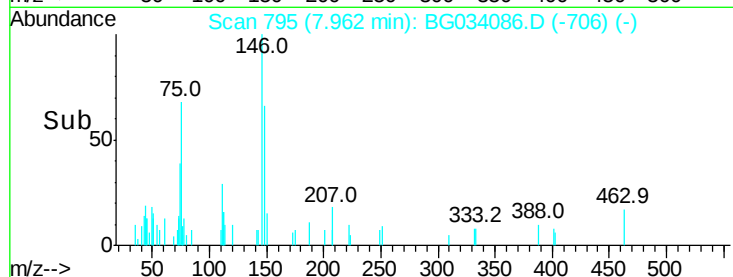
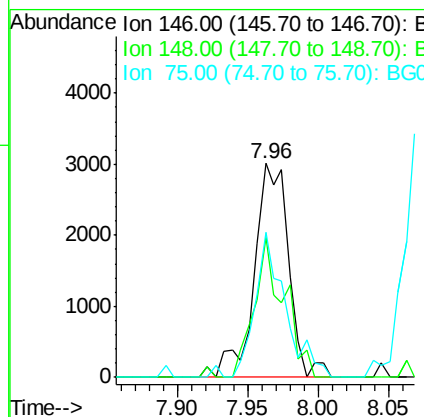
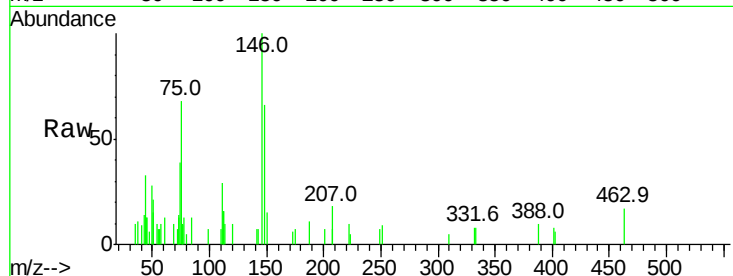
#12
 1,3-Dichlorobenzene
 Concen: 1.191 ng
 RT: 7.96 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.4	77.2
75	68.0	26.6	39.8

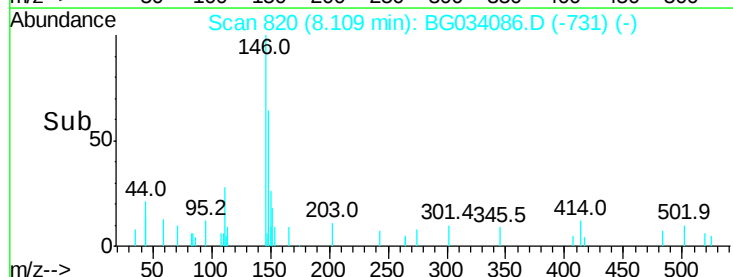
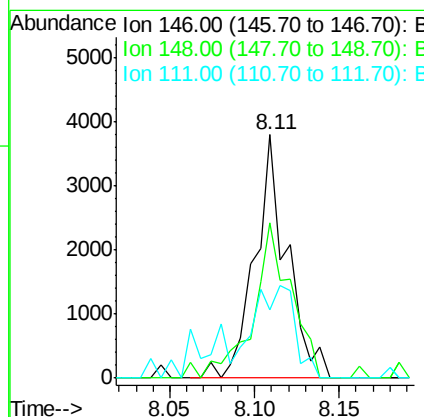
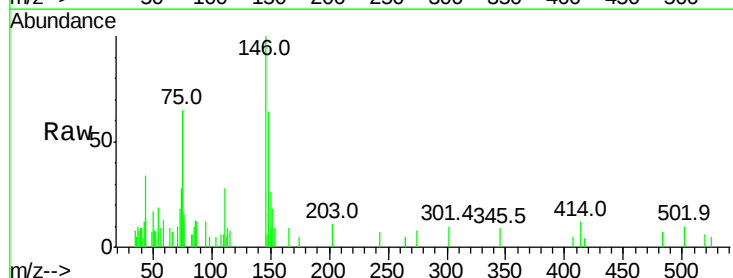
Manual Integrations
 APPROVED

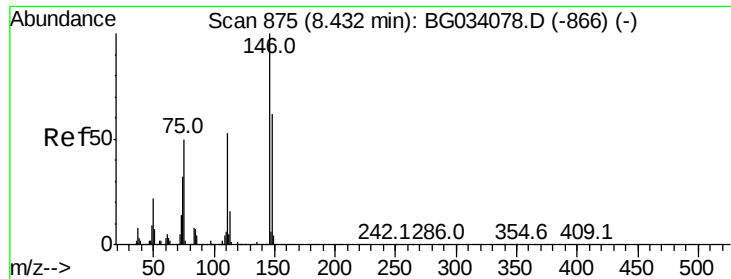
Sohil
 5/2/2018 4:50:43 PM



#13
 1,4-Dichlorobenzene
 Concen: 1.158 ng
 RT: 8.11 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	53.7	80.5
111	28.0	35.2	52.8





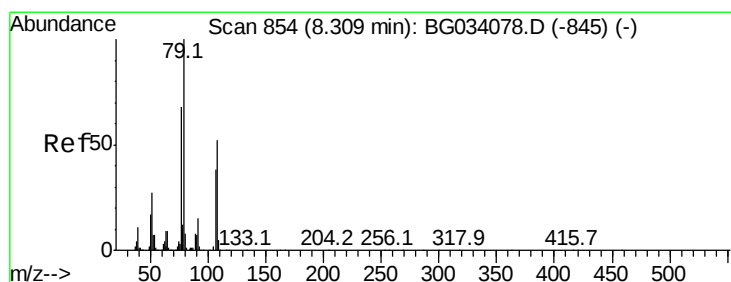
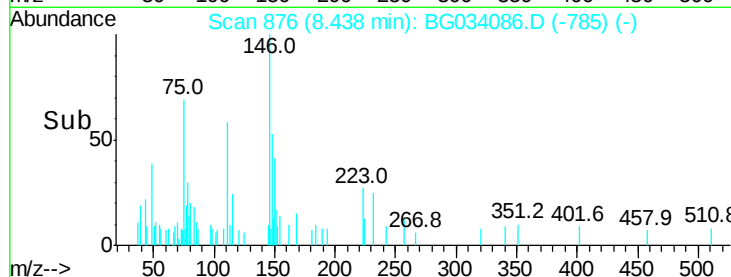
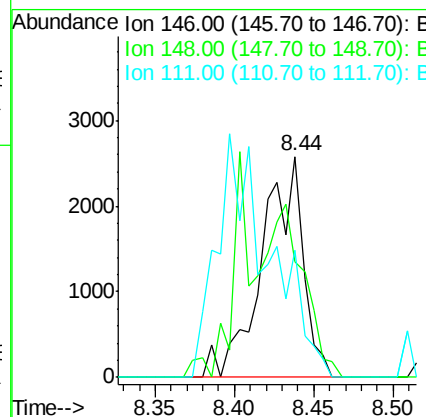
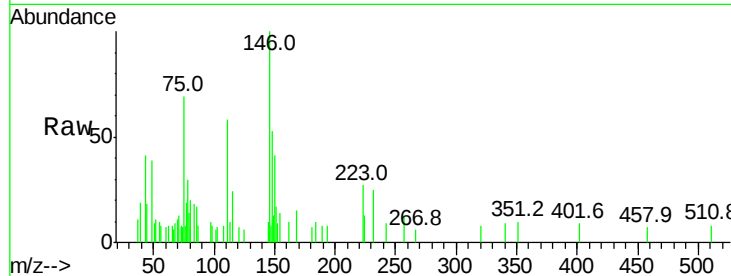
#14
1,2-Dichlorobenzene
Concen: 1.136 ng
RT: 8.44 min Scan# 876
Delta R.T. 0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	52.6	49.3	73.9
111	57.7	34.3	51.5

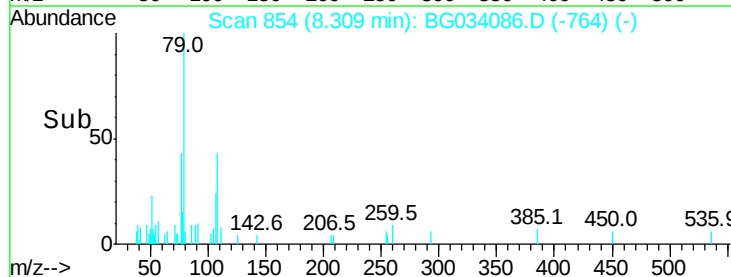
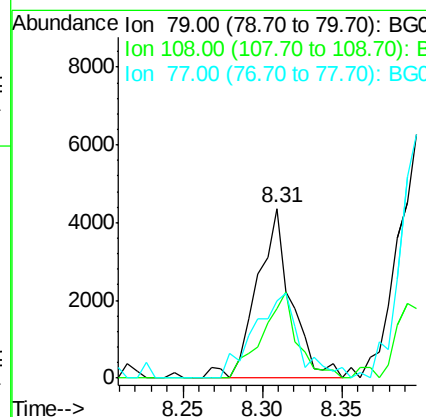
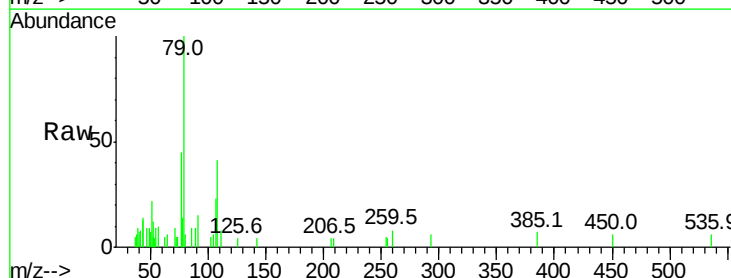
Manual Integrations
APPROVED

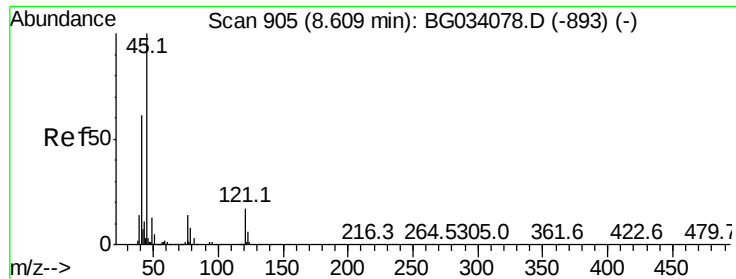
Sohil
5/2/2018 4:50:43 PM



#15
Benzyl Alcohol
Concen: 1.149 ng
RT: 8.31 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
79	100		
108	41.2	57.2	85.8
77	45.5	46.1	69.1





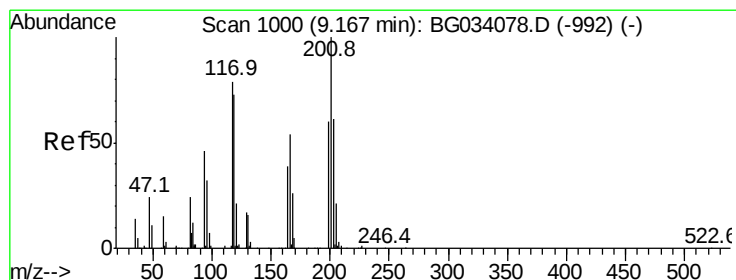
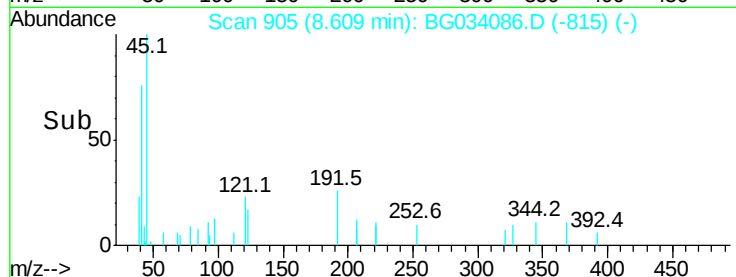
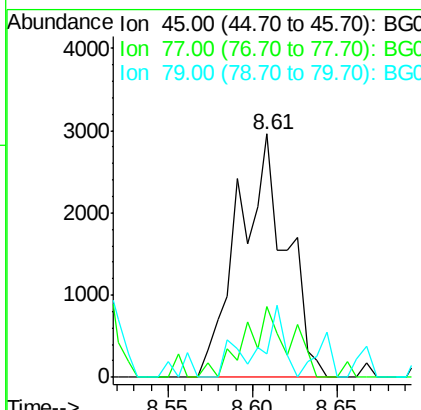
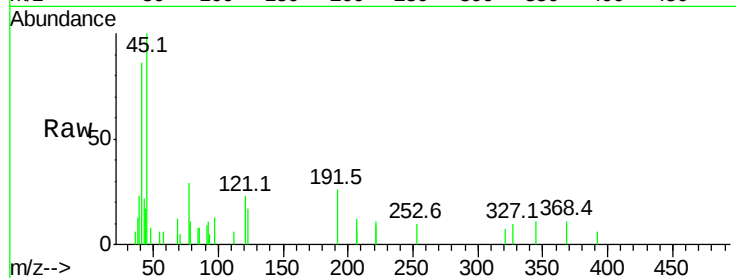
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.989 ng
RT: 8.61 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
45	100		
77	29.2	0.0	30.2
79	9.4	0.0	27.9

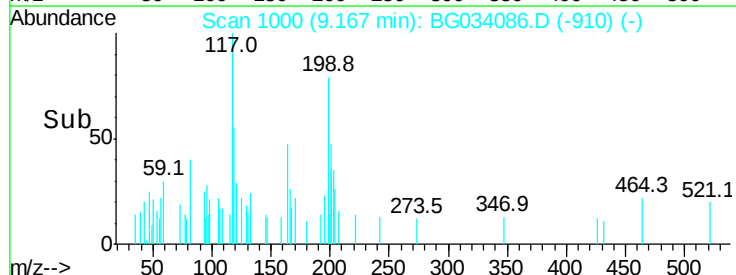
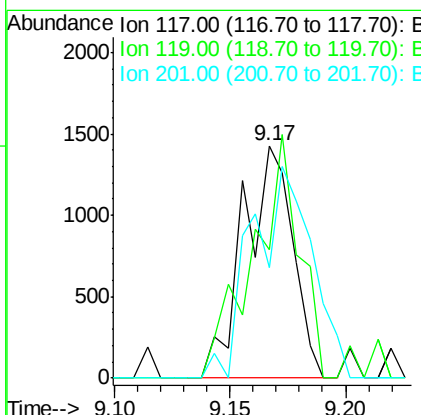
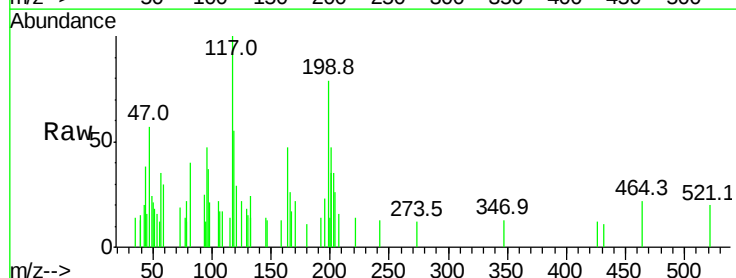
Manual Integrations
APPROVED

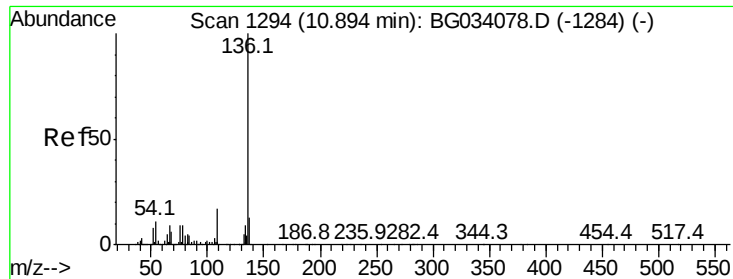
Sohil
5/2/2018 4:50:43 PM



#18
Hexachloroethane
Concen: 1.149 ng
RT: 9.17 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	55.5	76.7	115.1#
201	47.4	95.7	143.5#





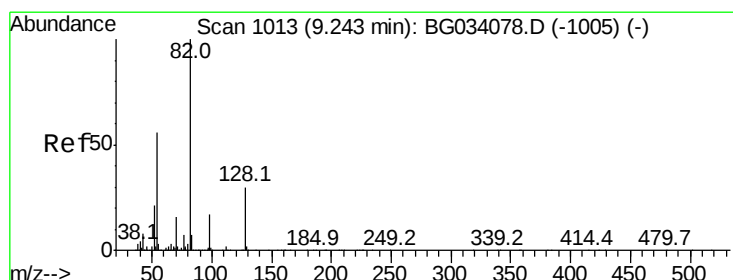
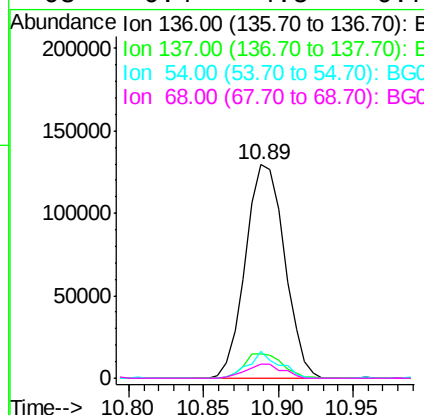
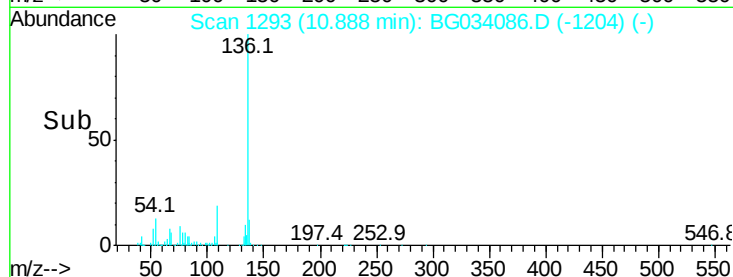
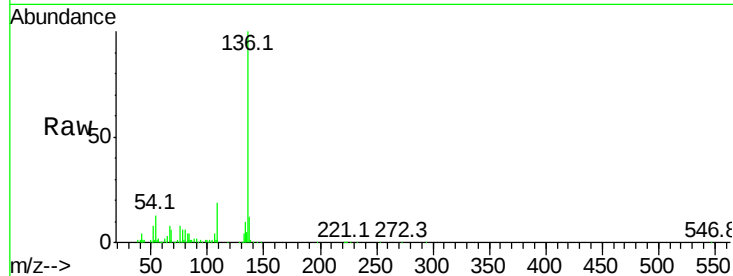
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		234551		
137	11.7	9.2	13.8		
54	12.7	10.3	15.5		
68	6.4	4.5	6.7		

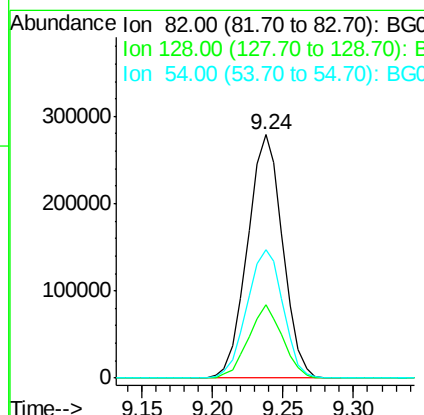
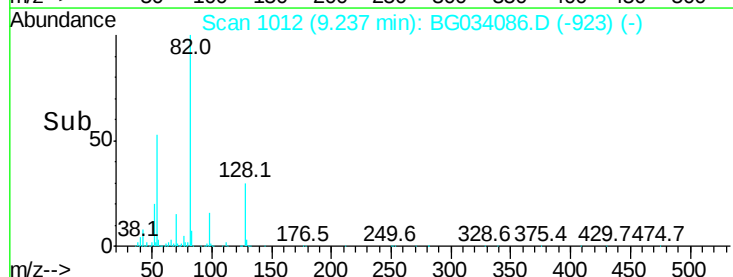
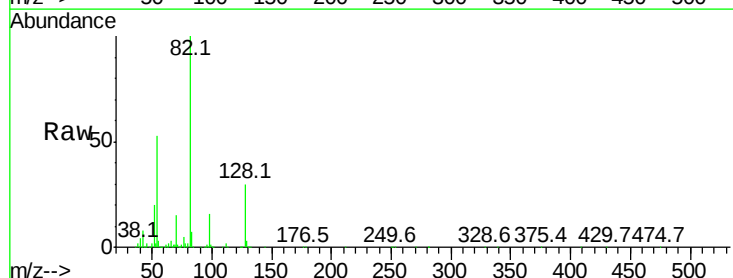
Manual Integrations
APPROVED

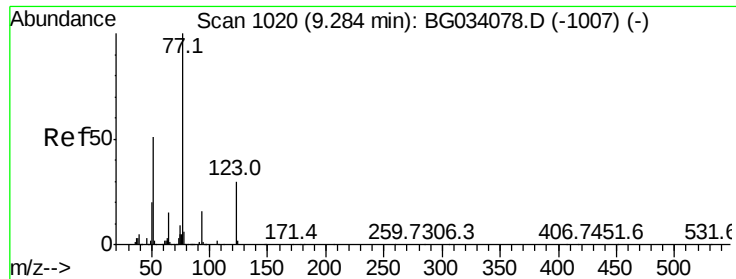
Sohil
5/2/2018 4:50:43 PM



#23
Nitrobenzene-d5
Concen: 79.710 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		487285		
128	30.2	29.7	44.5		
54	52.8	43.1	64.7		





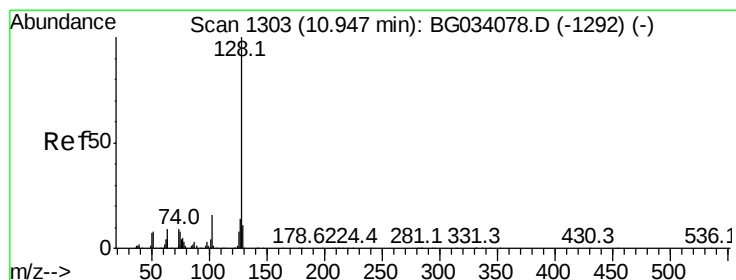
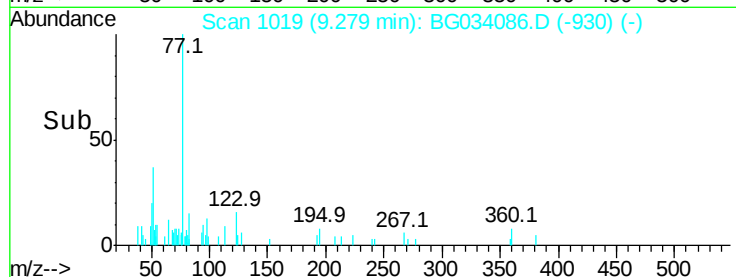
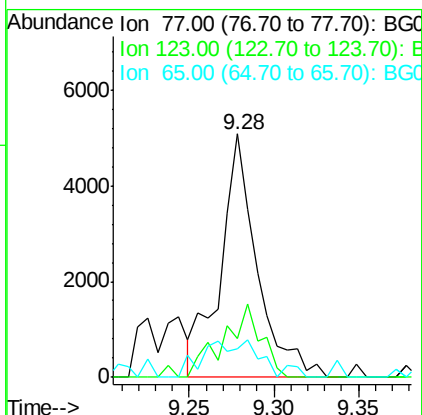
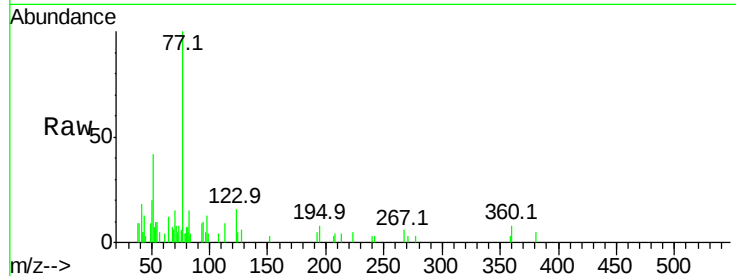
#24
Nitrobenzene
Concen: 1.146 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
77	100		
123	15.8	33.0	49.6#
65	11.5	13.0	19.6#

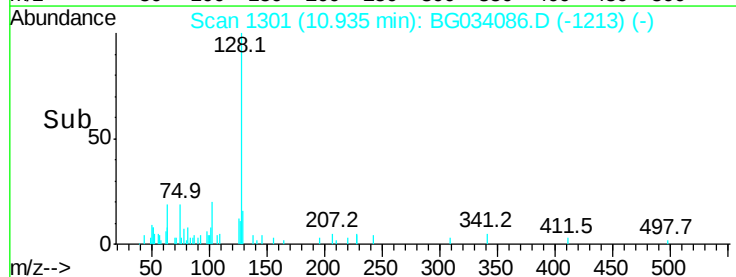
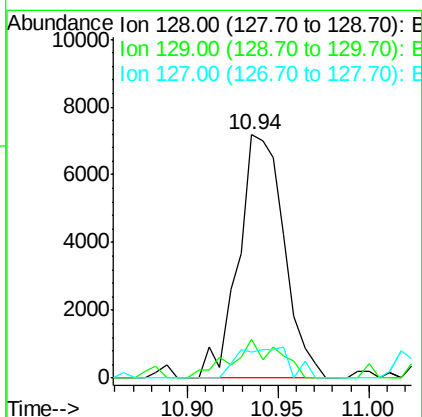
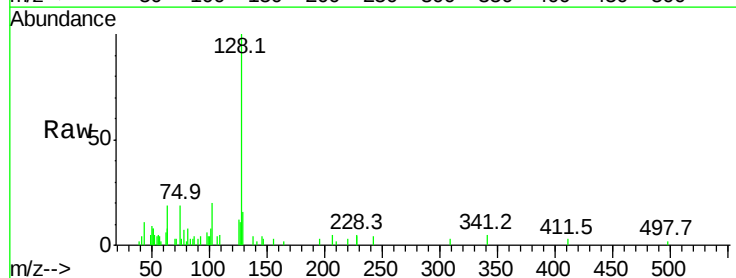
Manual Integrations
APPROVED

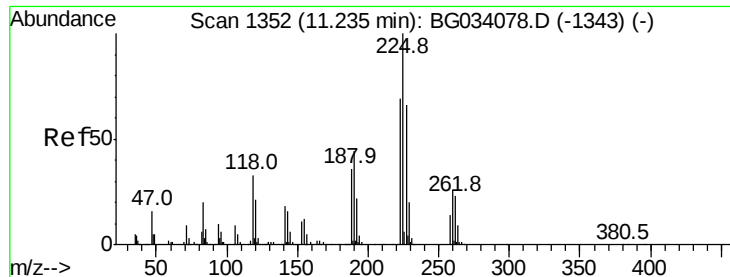
Sohil
5/2/2018 4:50:43 PM



#31
Naphthalene
Concen: 1.018 ng
RT: 10.94 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.9	8.6	12.8#
127	10.9	11.6	17.4#





#34

Hexachlorobutadiene

Concen: 0.966 ng

RT: 11.23 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

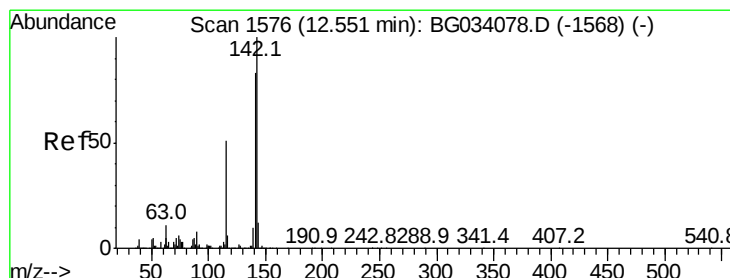
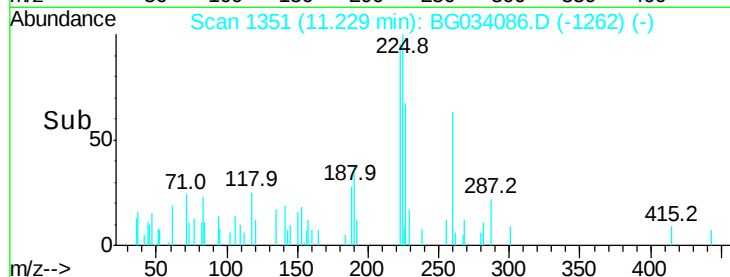
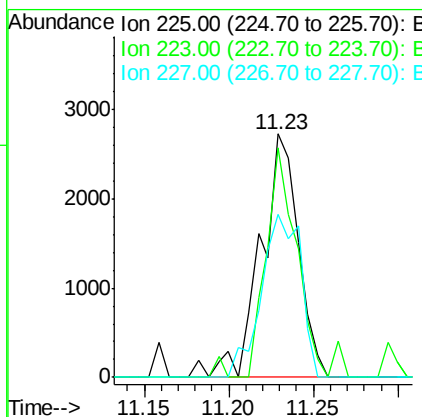
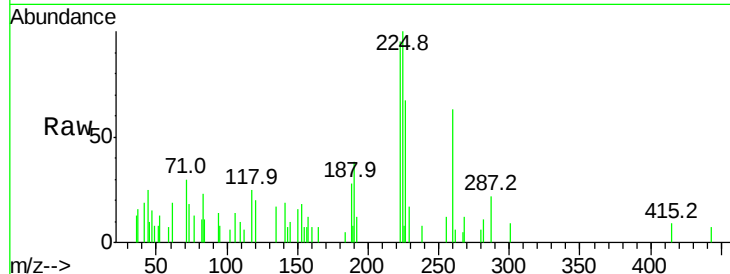
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	225	Resp:	4225
Ion Ratio	Lower	Upper	
225	100		
223	87.4	49.7	74.5#
227	62.2	48.1	72.1

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#37

2-Methylnaphthalene

Concen: 0.919 ng

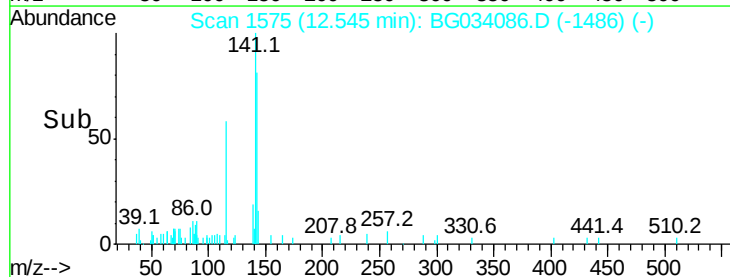
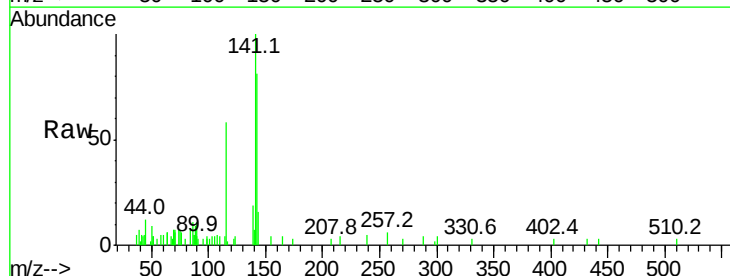
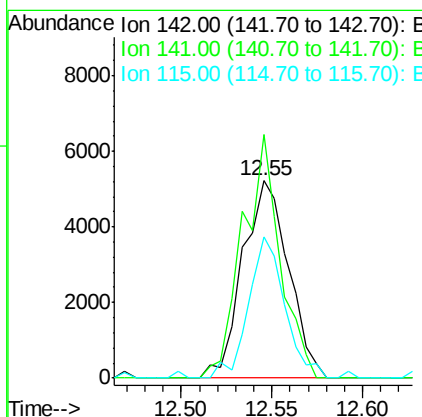
RT: 12.55 min Scan# 1575

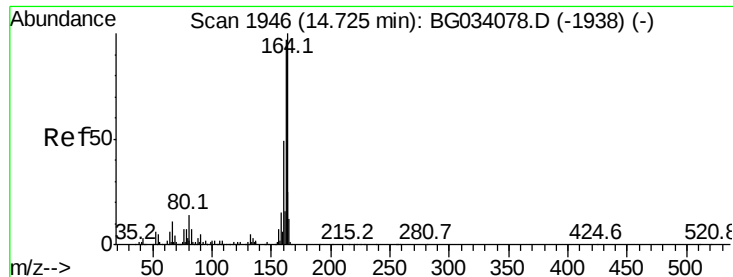
Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	142	Resp:	9182
Ion Ratio	Lower	Upper	
142	100		
141	123.5	67.1	100.7#
115	71.3	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

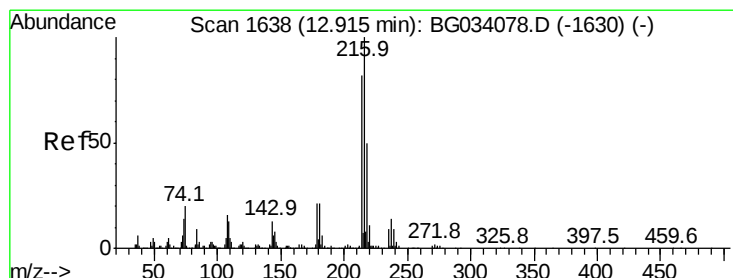
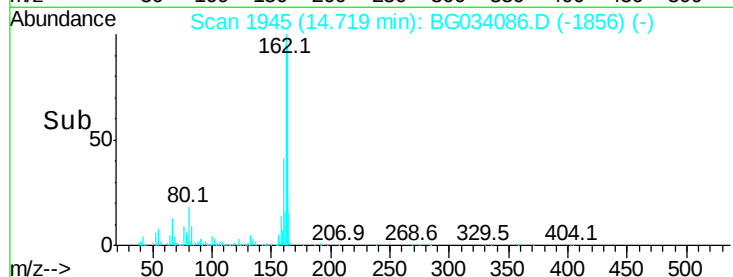
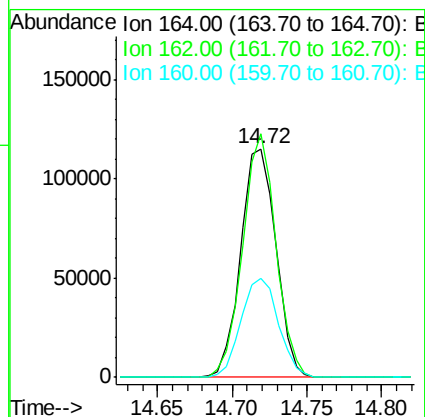
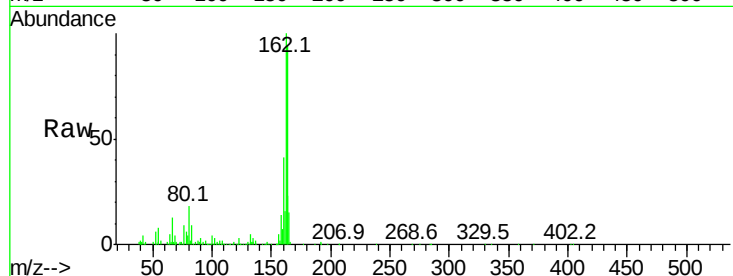
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	164	Resp:	187987
Ion Ratio	Lower	Upper	
164	100		
162	106.5	78.8	118.2
160	43.6	35.4	53.0

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.911 ng

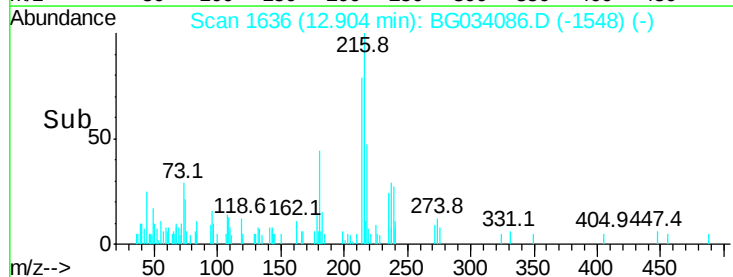
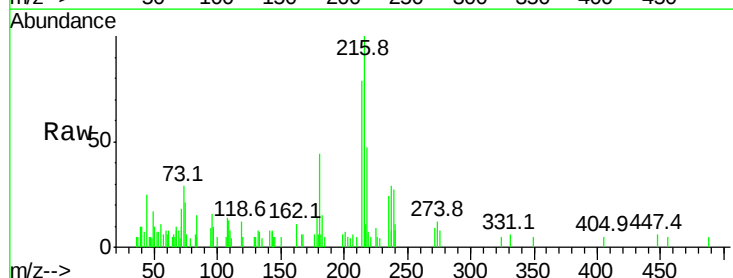
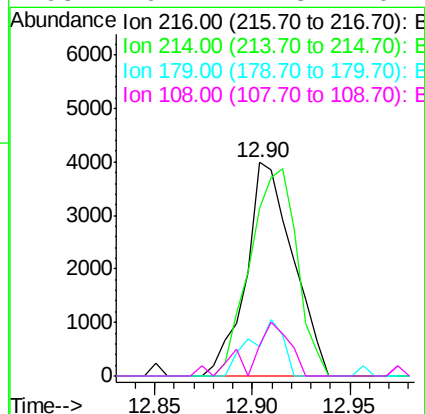
RT: 12.90 min Scan# 1636

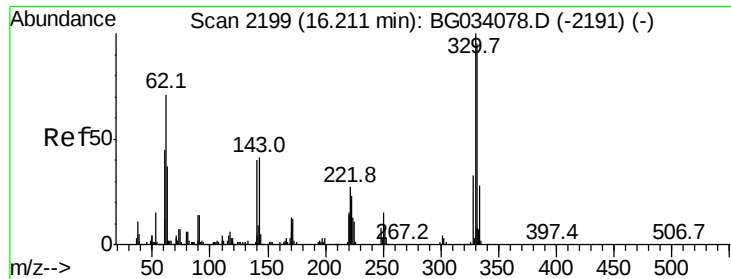
Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	216	Resp:	6629
Ion Ratio	Lower	Upper	
216	100		
214	97.0	63.0	94.4#
179	18.6	17.0	25.6
108	20.4	12.8	19.2#





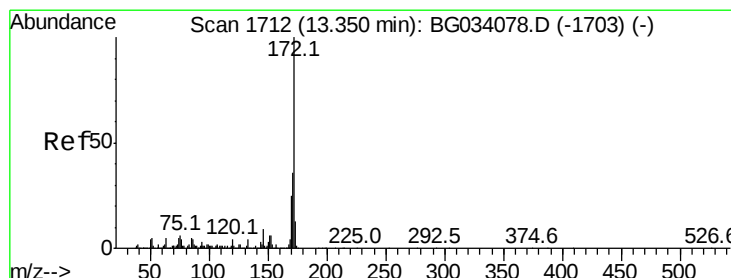
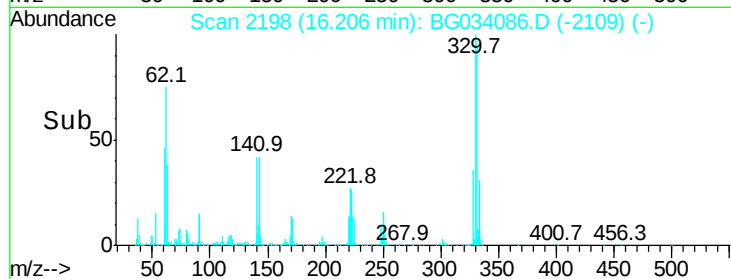
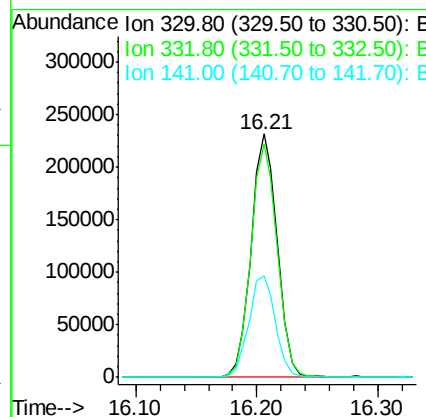
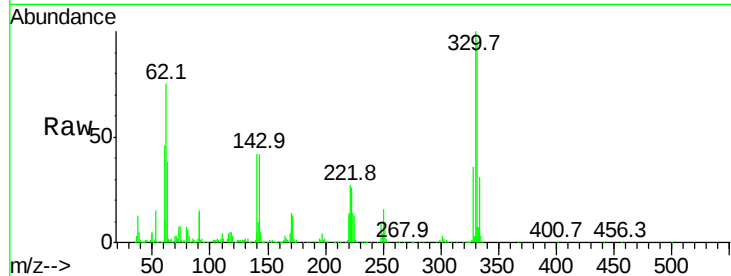
#41
 2,4,6-Tribromophenol
 Concen: 133.497 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	42.7	25.2	37.8

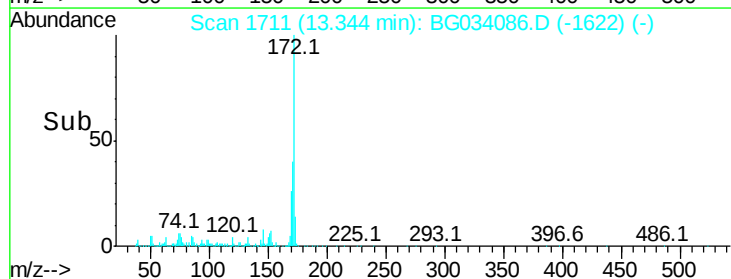
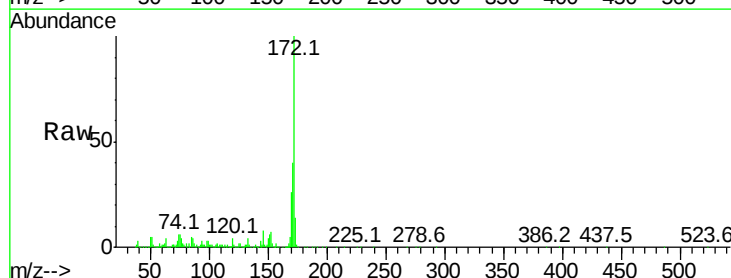
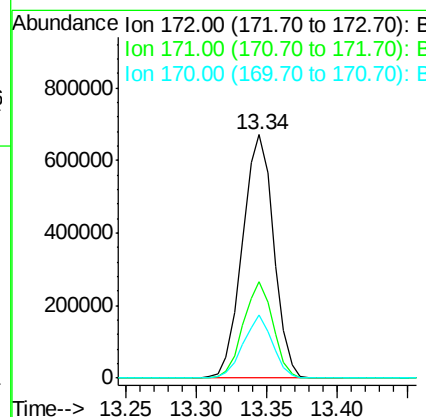
Manual Integrations
 APPROVED

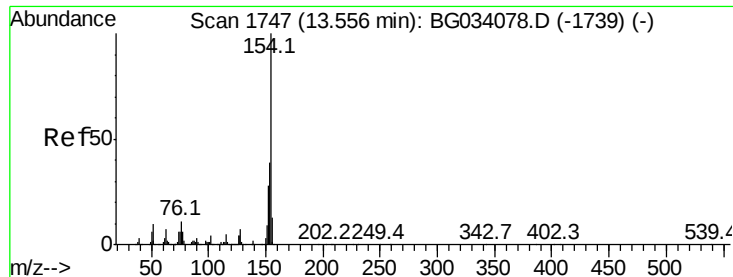
Sohil
 5/2/2018 4:50:43 PM



#44
 2-Fluorobiphenyl
 Concen: 80.443 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.0	45.0
170	25.9	19.5	29.3





#45

1,1'-Biphenyl

Concen: 1.268 ng

RT: 13.55 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

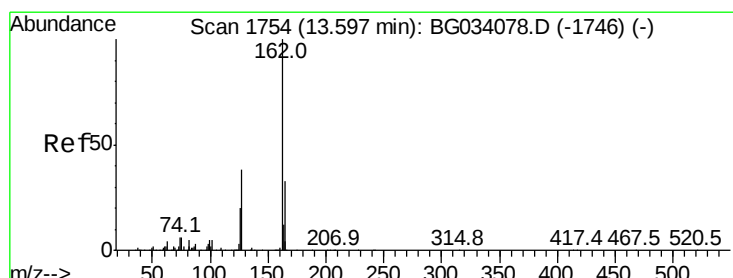
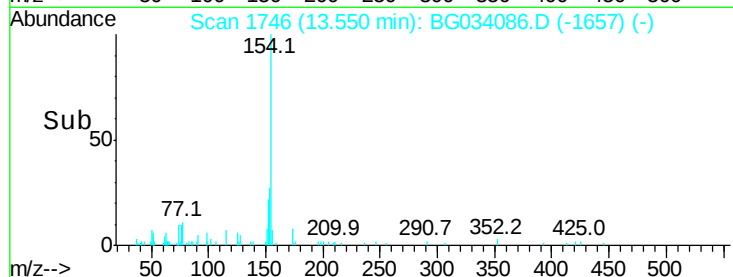
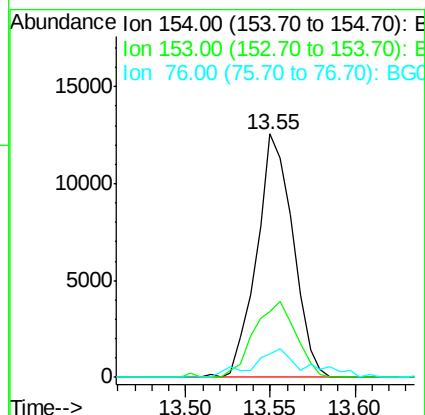
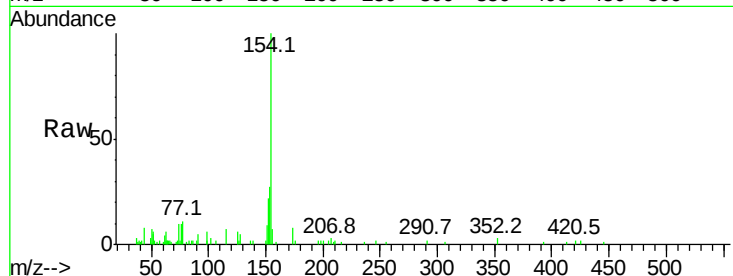
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	154	Resp:	18620
Ion Ratio	Lower	Upper	
154	100		
153	27.0	19.8	59.8
76	9.5	0.0	31.9

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#46

2-Chloronaphthalene

Concen: 1.005 ng

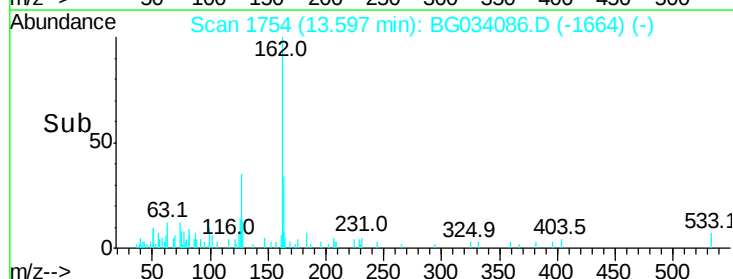
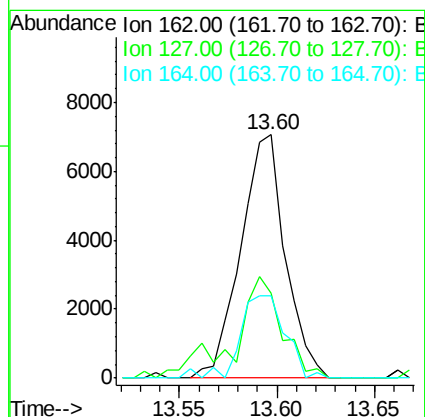
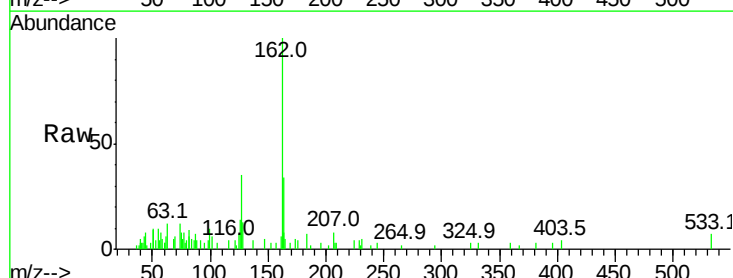
RT: 13.60 min Scan# 1754

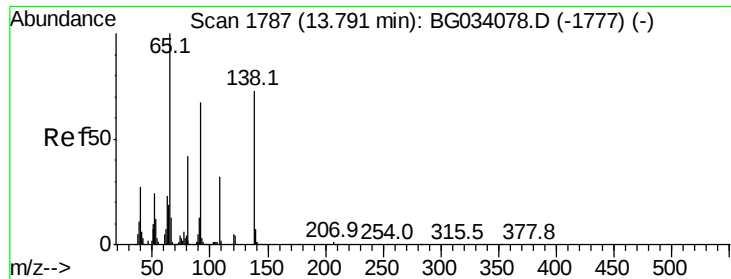
Delta R.T. 0.00 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	162	Resp:	11179
Ion Ratio	Lower	Upper	
162	100		
127	34.6	30.7	46.1
164	33.7	26.0	39.0





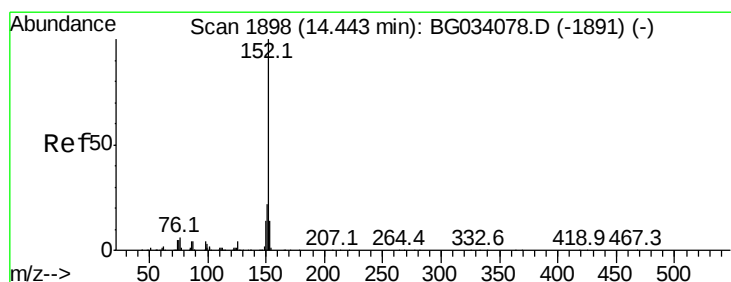
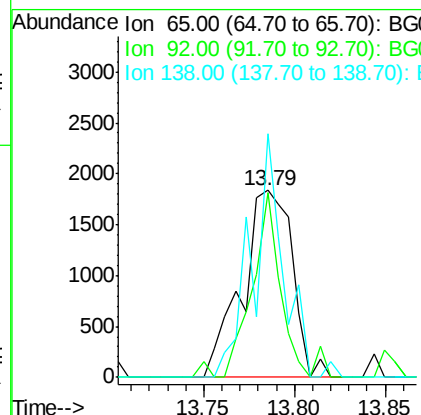
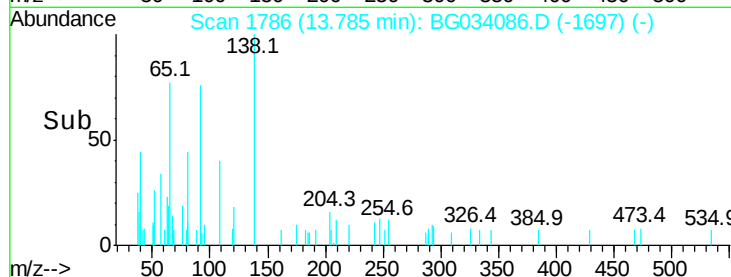
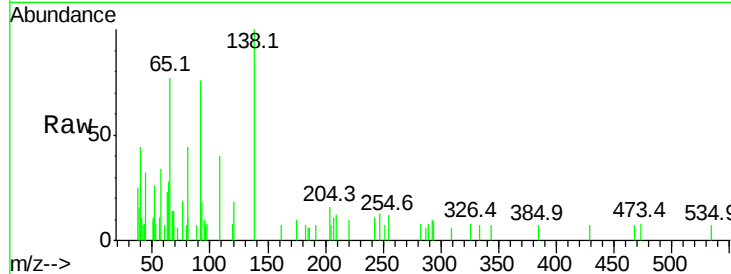
#47
2-Nitroaniline
Concen: 0.799 ng
RT: 13.79 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
65	100		
92	99.1	54.6	82.0#
138	130.4	72.9	109.3#

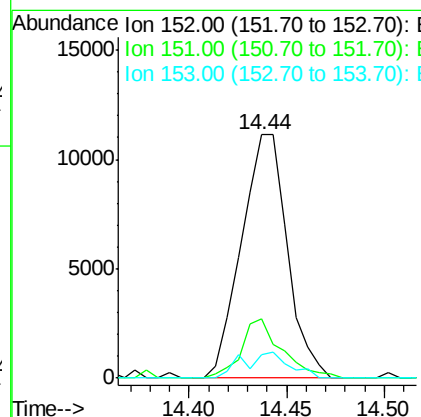
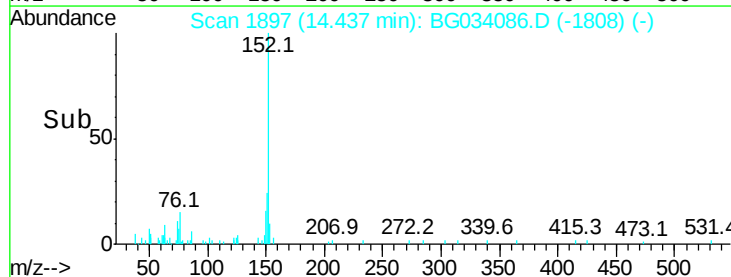
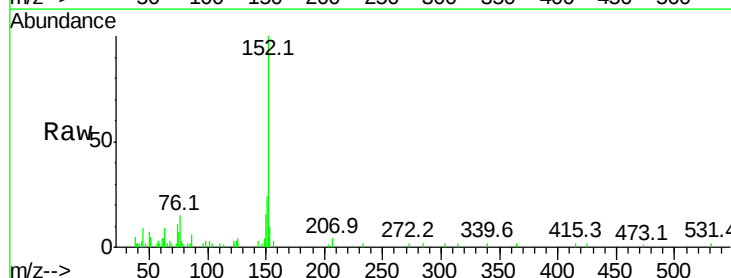
Manual Integrations
APPROVED

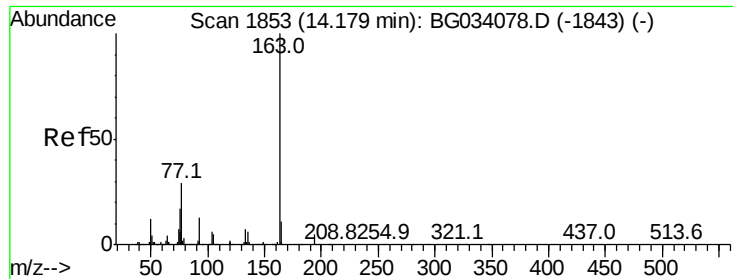
Sohil
5/2/2018 4:50:43 PM



#48
Acenaphthylene
Concen: 1.023 ng
RT: 14.44 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.2	17.2	25.8
153	9.8	10.2	15.4#





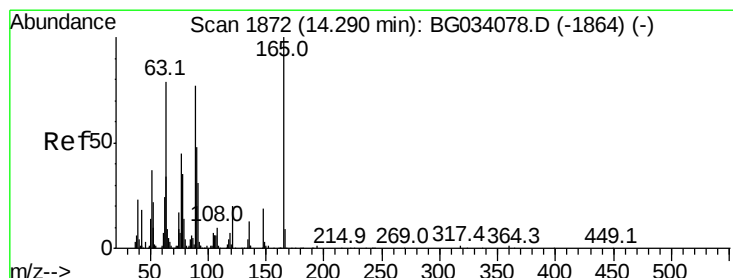
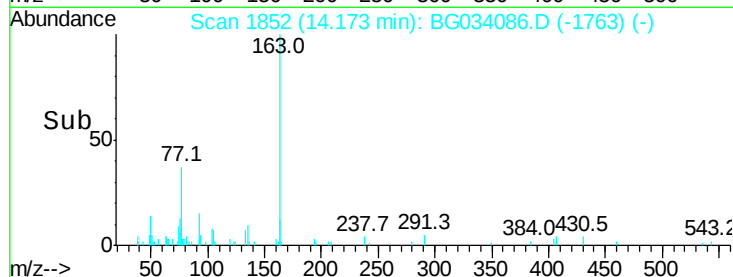
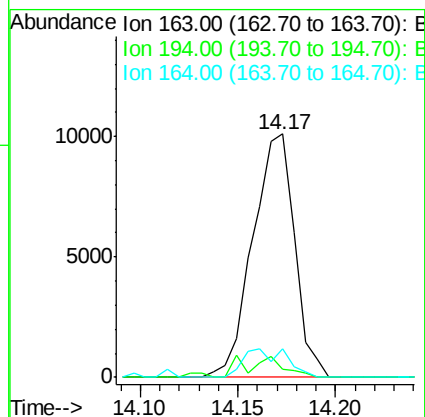
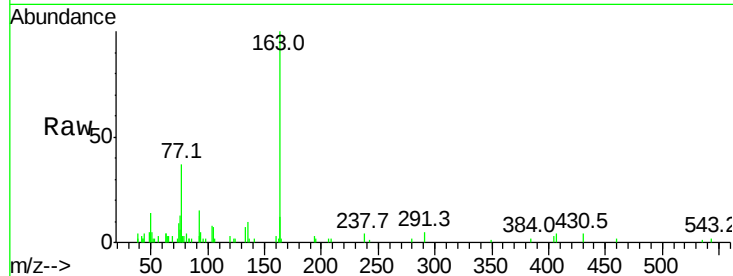
#49
Dimethylphthalate
Concen: 0.919 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.2
164	11.8	8.2	12.4

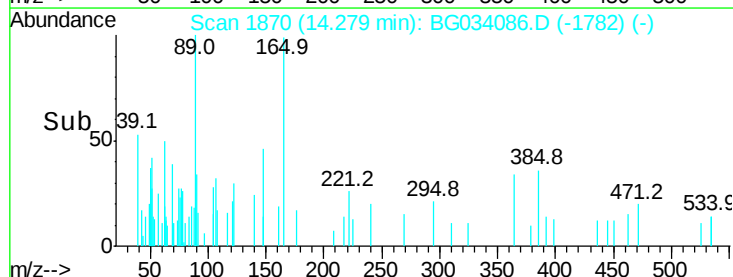
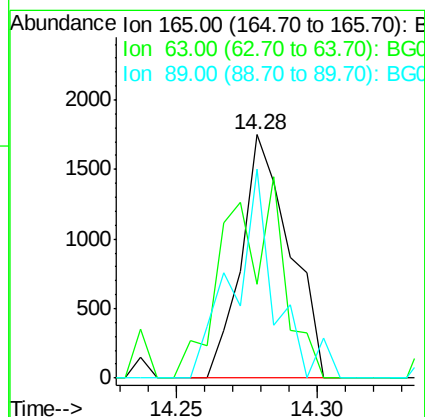
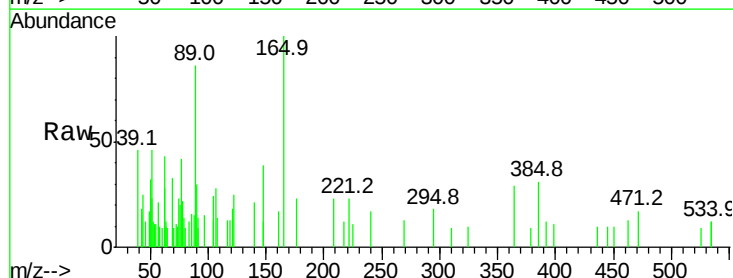
Manual Integrations
APPROVED

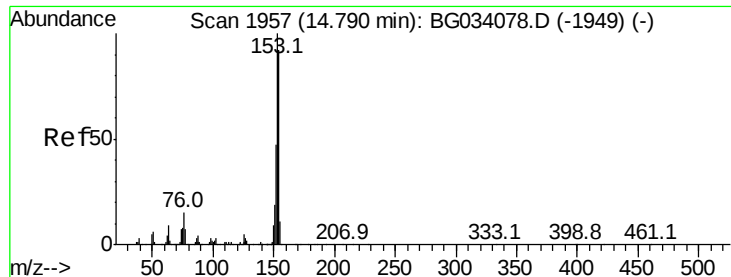
Sohil
5/2/2018 4:50:43 PM



#50
2,6-Dinitrotoluene
Concen: 0.664 ng
RT: 14.28 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.5	52.7	79.1#
89	85.8	49.2	73.8#





#51

Acenaphthene

Concen: 1.043 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

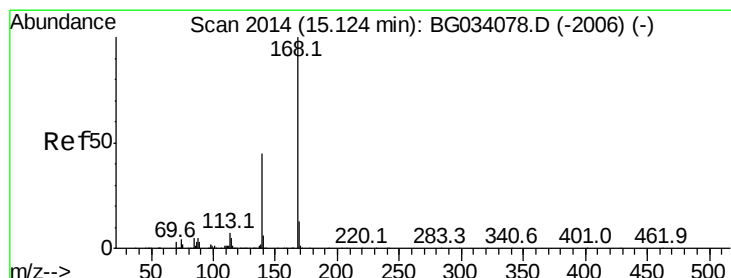
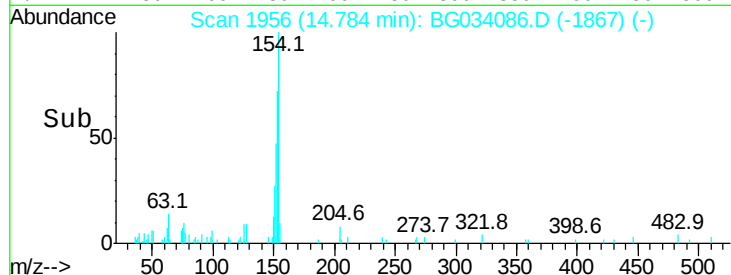
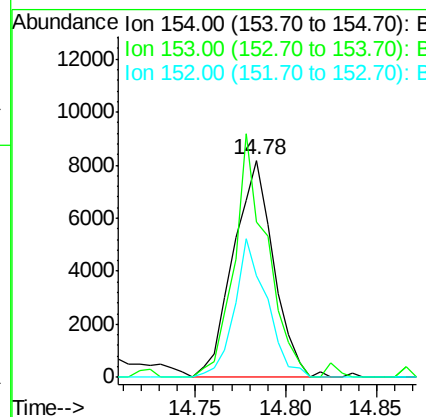
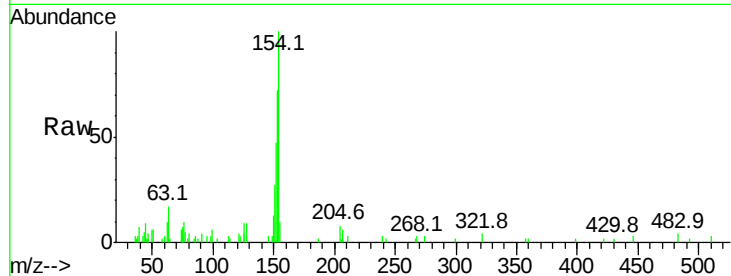
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	154	Resp:	12583
Ion Ratio	Lower	Upper	
154	100		
153	71.7	90.4	135.6#
152	46.9	41.6	62.4

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#54

Dibenzofuran

Concen: 1.019 ng

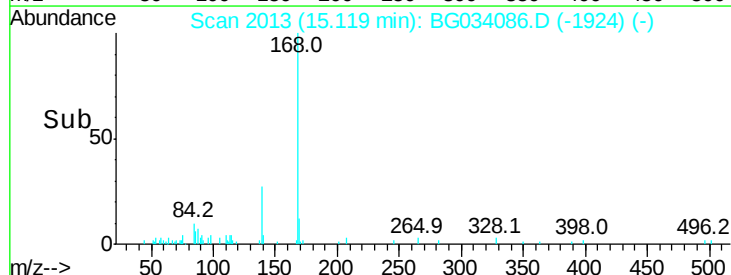
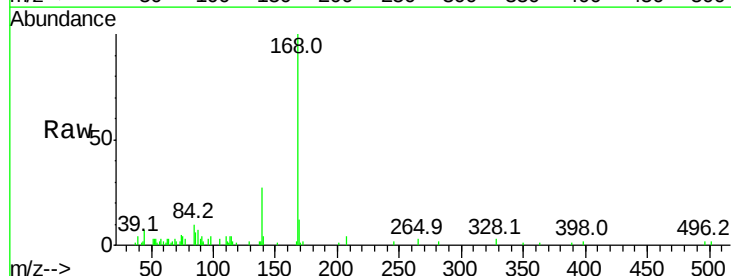
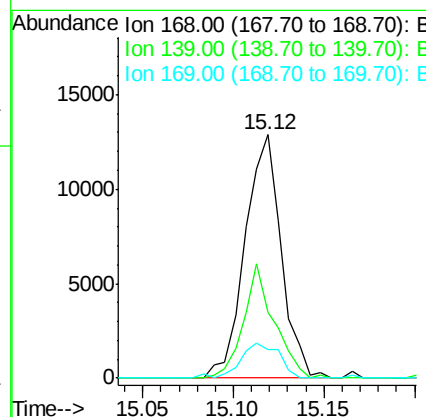
RT: 15.12 min Scan# 2013

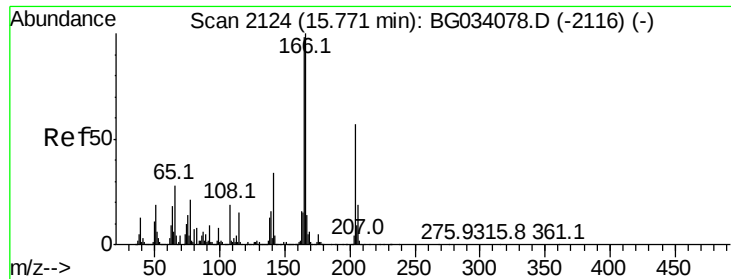
Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	168	Resp:	17820
Ion Ratio	Lower	Upper	
168	100		
139	26.8	28.6	43.0#
169	11.9	11.2	16.8





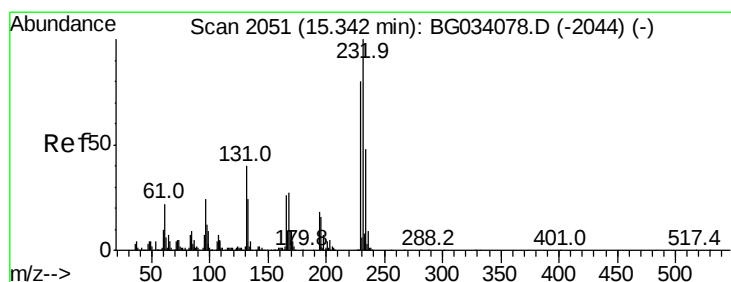
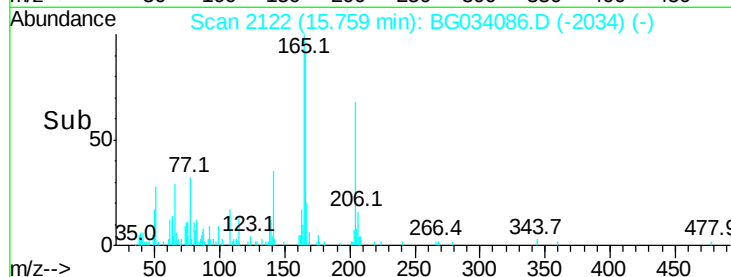
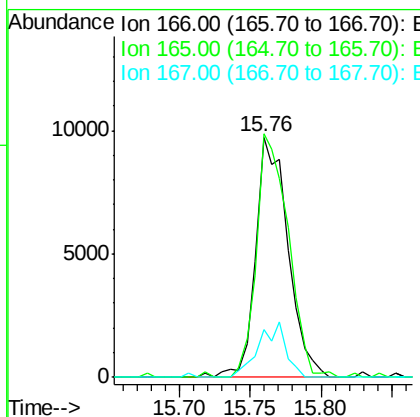
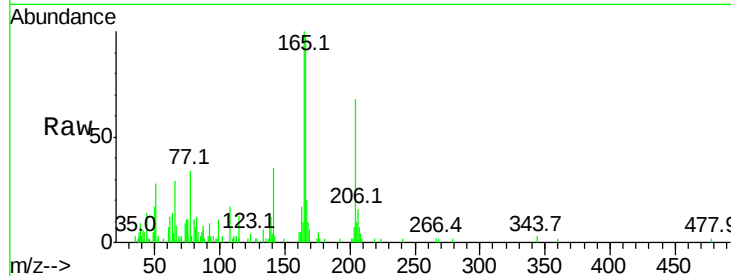
#57
 Fluorene
 Concen: 1.027 ng
 RT: 15.76 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	80.6	121.0
167	20.1	10.4	15.6

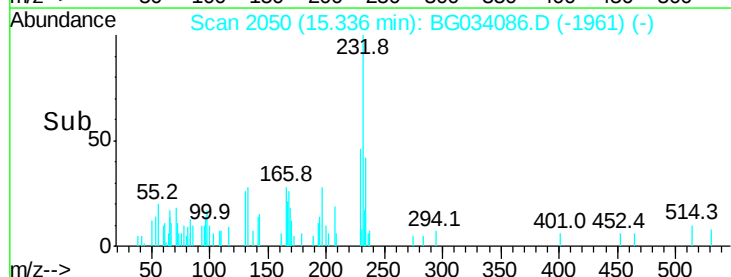
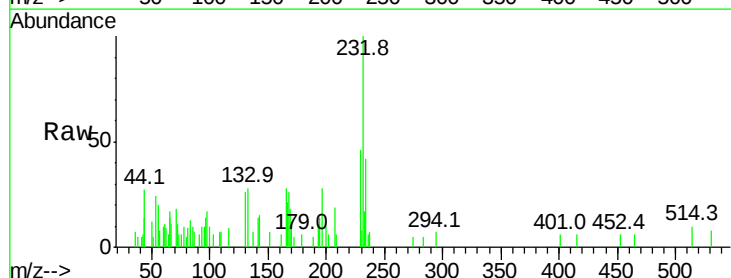
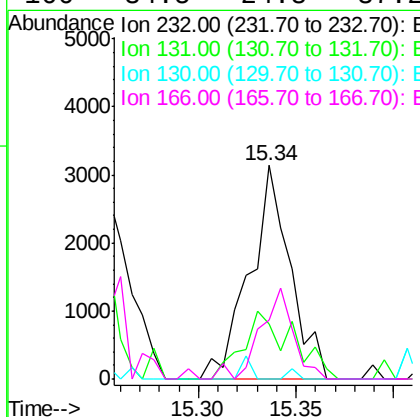
Manual Integrations
 APPROVED

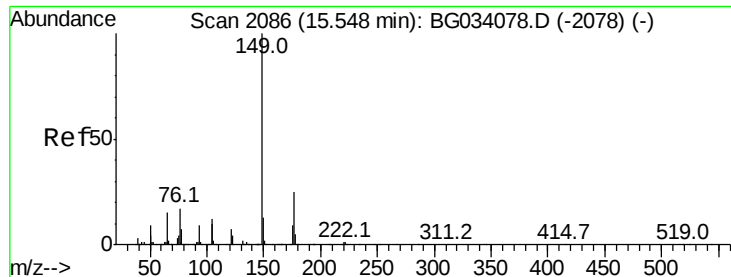
Sohil
 5/2/2018 4:50:43 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.936 ng
 RT: 15.34 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
232	100		
131	39.0	33.5	50.3
130	1.2	2.2	3.2
166	34.5	24.8	37.2





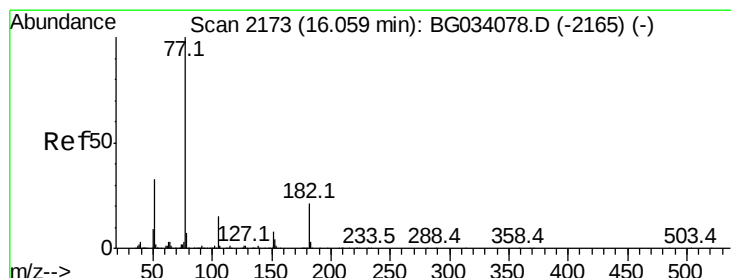
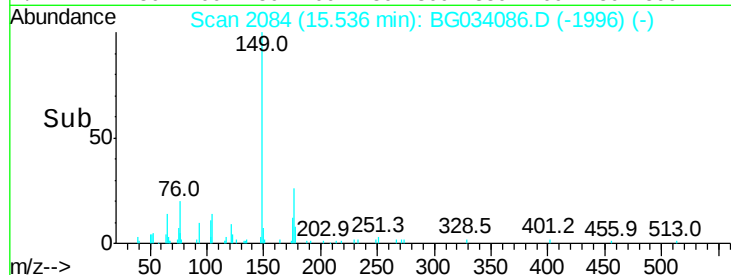
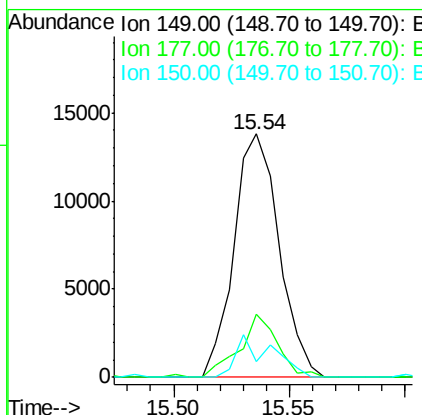
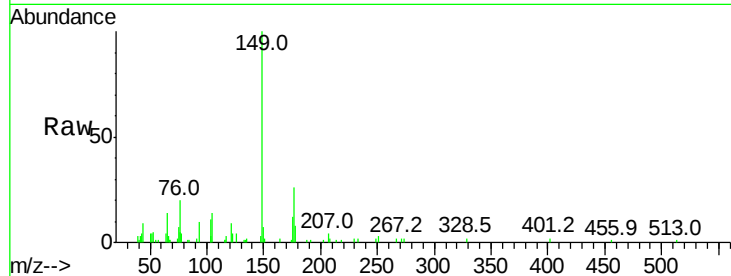
#59
Diethylphthalate
Concen: 1.088 ng
RT: 15.54 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
149	100		
177	25.9	18.5	27.7
150	6.6	10.2	15.2

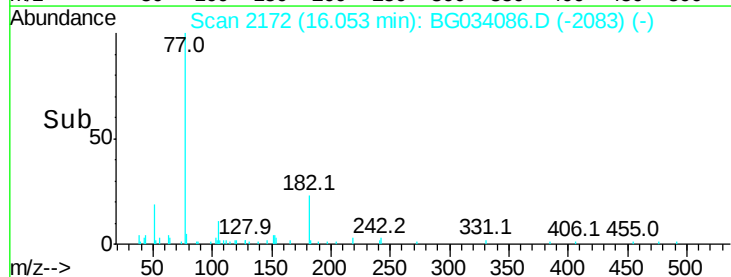
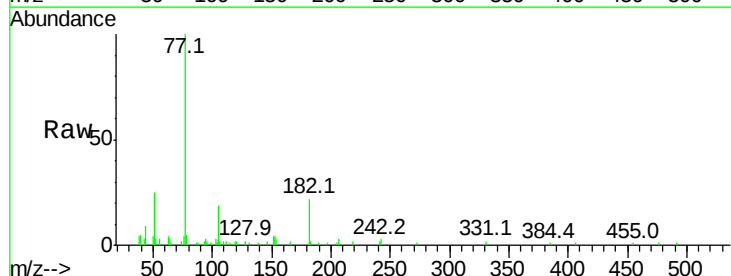
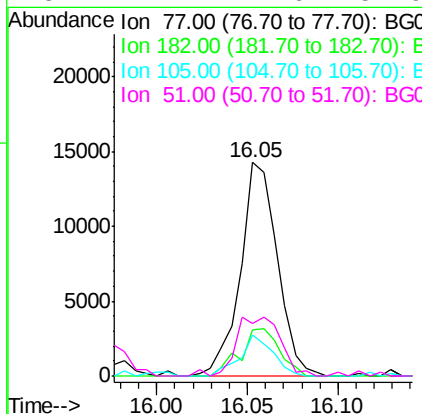
Manual Integrations
APPROVED

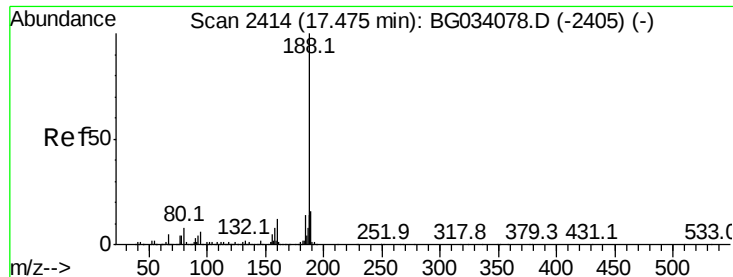
Sohil
5/2/2018 4:50:43 PM



#62
Azobenzene
Concen: 1.088 ng
RT: 16.05 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.8	7.4	47.4
105	19.1	0.3	40.3
51	24.7	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

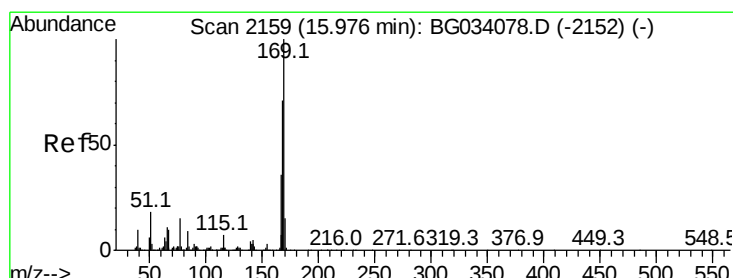
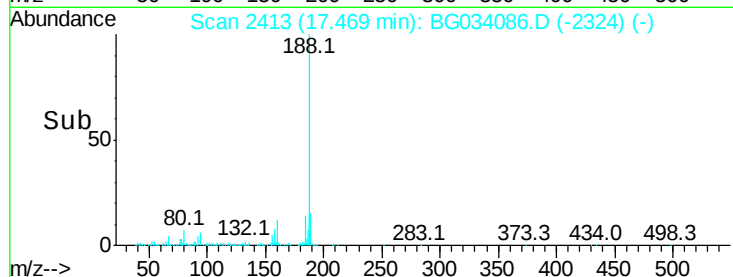
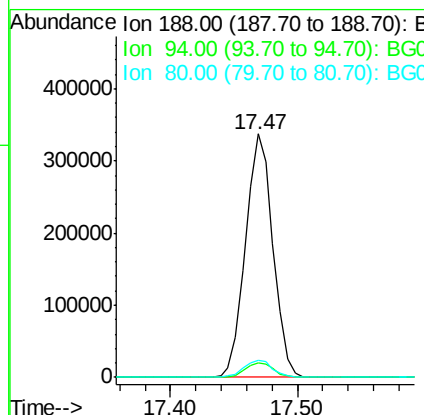
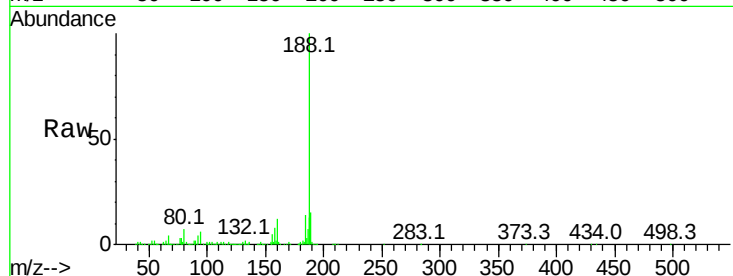
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	188	Resp:	505507
Ion Ratio	Lower	Upper	
188	100		
94	6.1	6.9	10.3#
80	7.1	7.7	11.5#

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#65

n-Nitrosodiphenylamine

Concen: 1.091 ng

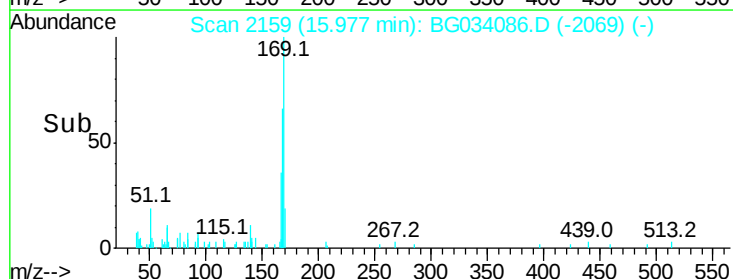
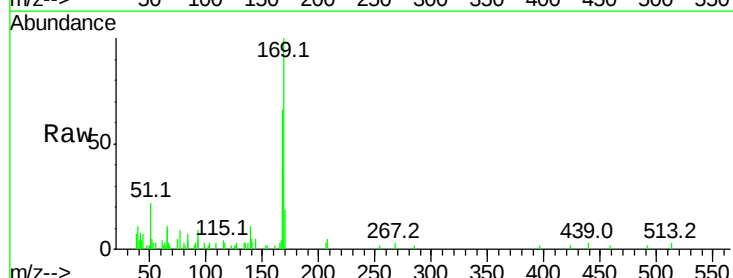
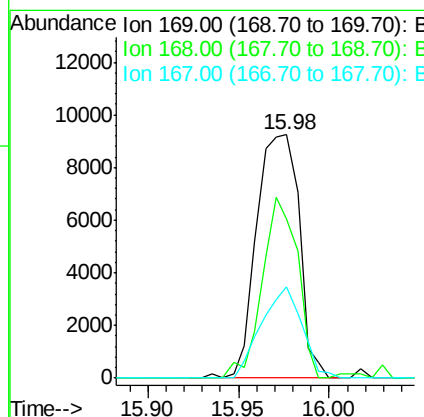
RT: 15.98 min Scan# 2159

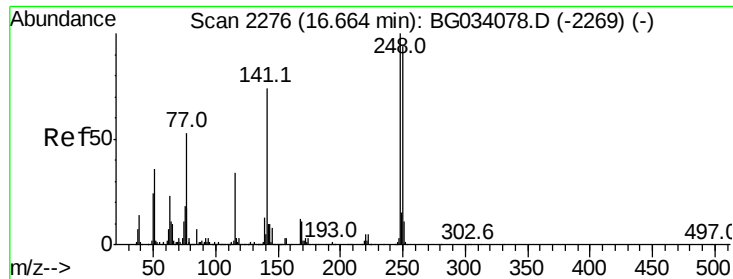
Delta R.T. 0.00 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	169	Resp:	15044
Ion Ratio	Lower	Upper	
169	100		
168	65.5	55.7	83.5
167	37.7	30.1	45.1





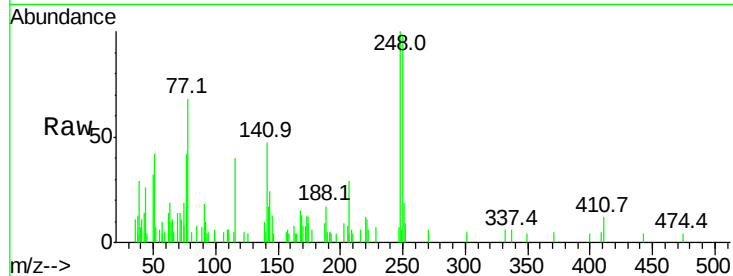
#66
4-Bromophenyl-phenylether
Concen: 0.928 ng
RT: 16.66 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.1	115.7
141	46.7	50.8	76.2#

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM

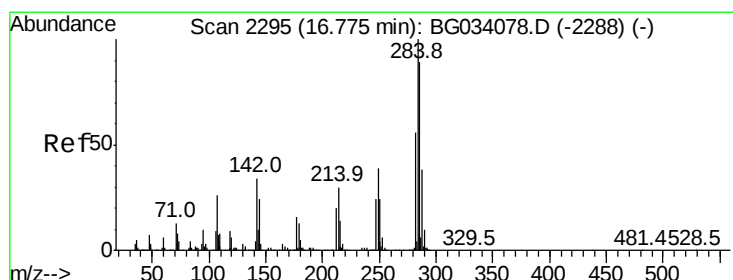
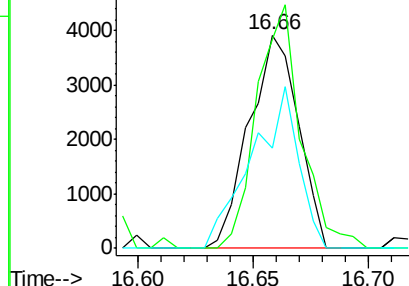
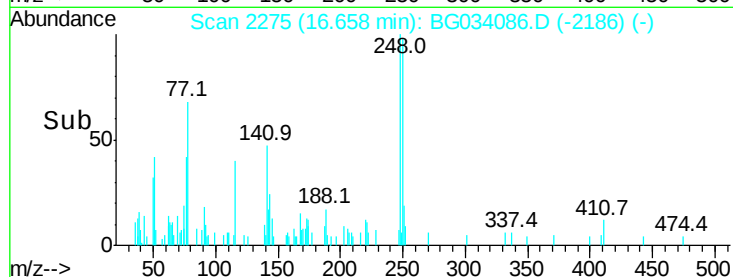


Abundance

Ion 248.00 (247.70 to 248.70): E

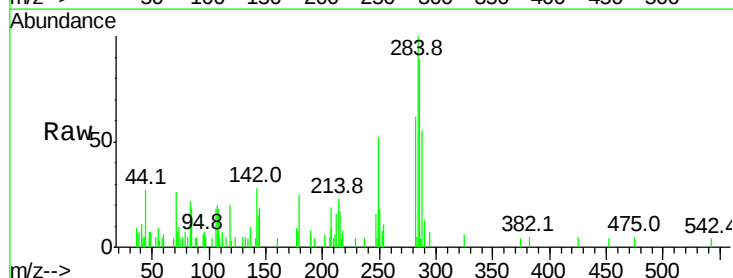
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67
Hexachlorobenzene
Concen: 0.925 ng
RT: 16.77 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.9	26.8	40.2
249	60.3	26.3	39.5#

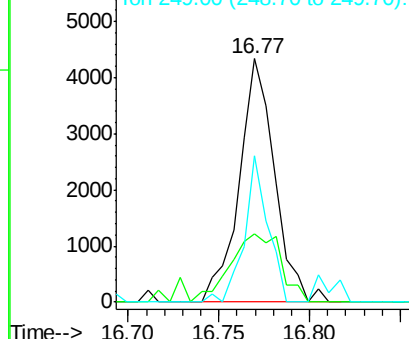
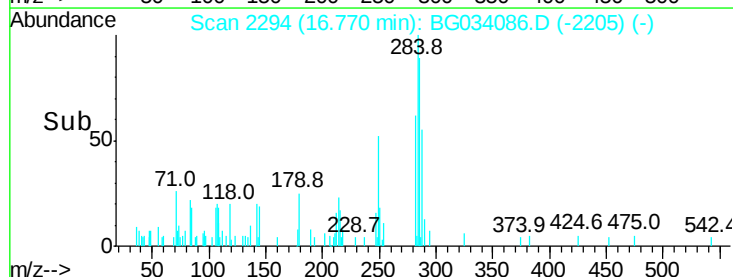


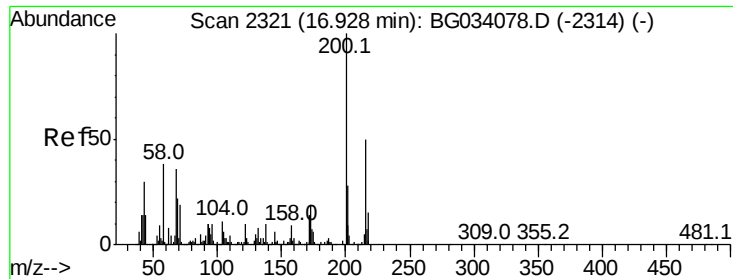
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





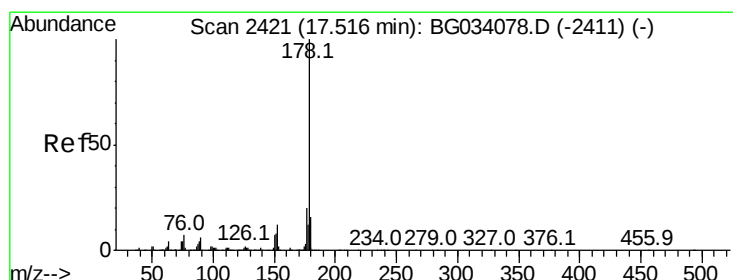
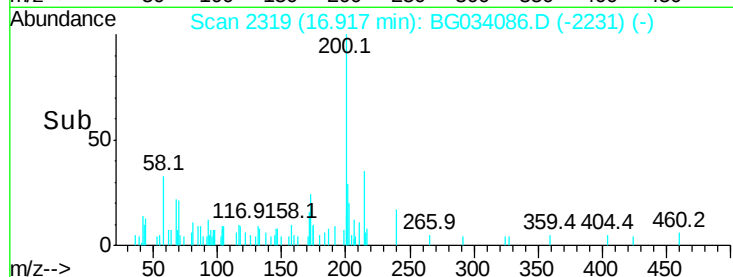
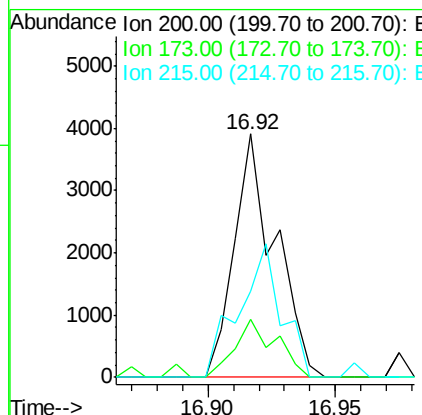
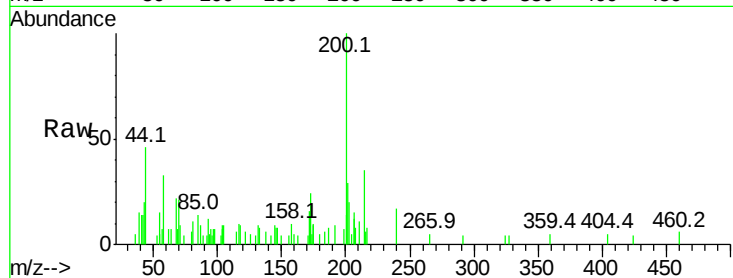
#68
Atrazine
Concen: 1.432 ng
RT: 16.92 min Scan# 2319
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.0	5.2	45.2
215	41.6	30.4	70.4

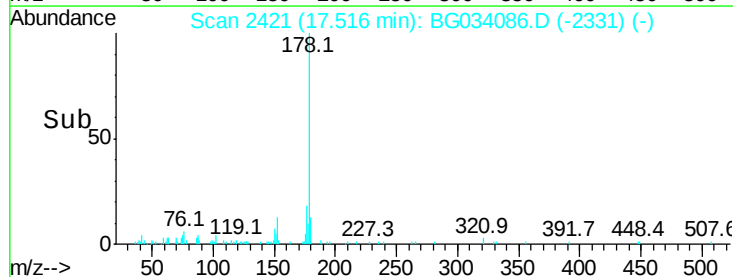
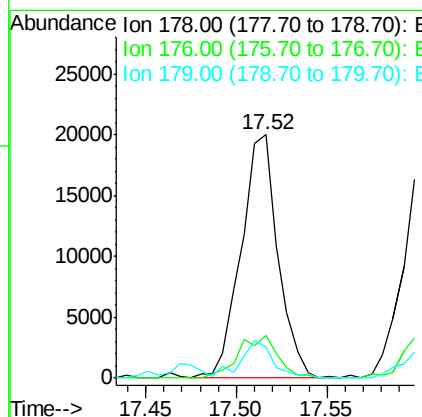
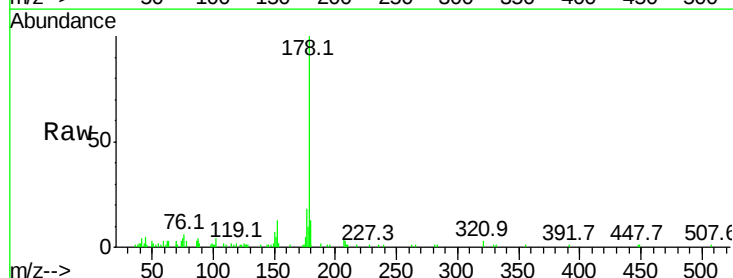
Manual Integrations
APPROVED

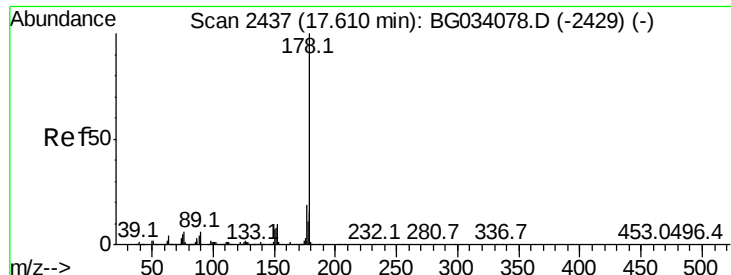
Sohil
5/2/2018 4:50:43 PM



#70
Phenanthrene
Concen: 1.087 ng
RT: 17.52 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.7	23.5
179	12.6	12.5	18.7





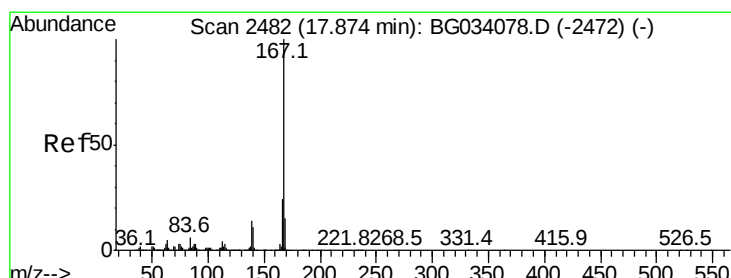
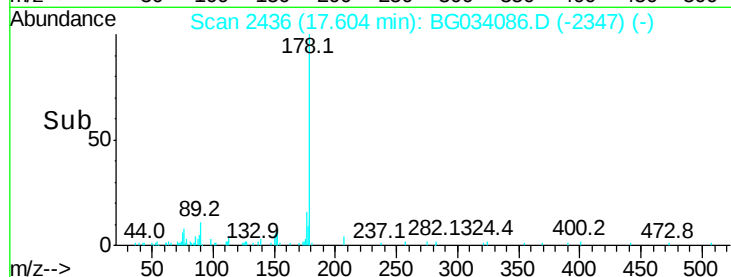
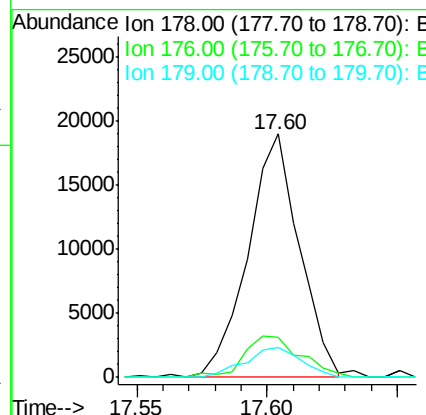
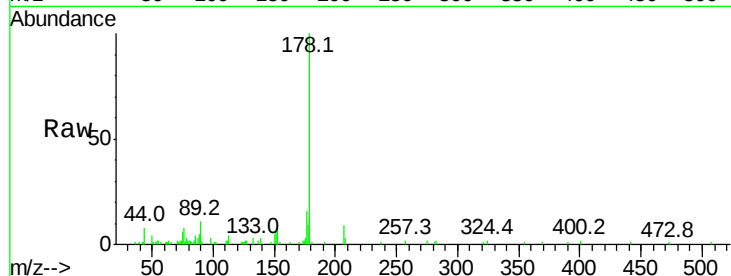
#71
 Anthracene
 Concen: 0.990 ng m
 RT: 17.60 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.2	16.0	24.0
179	12.5	12.5	18.7

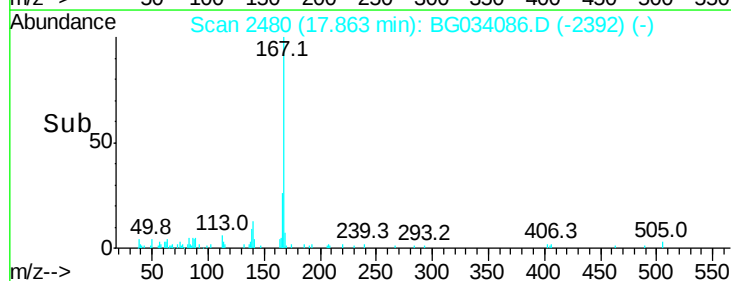
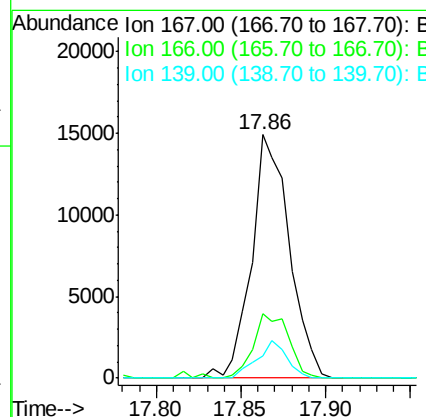
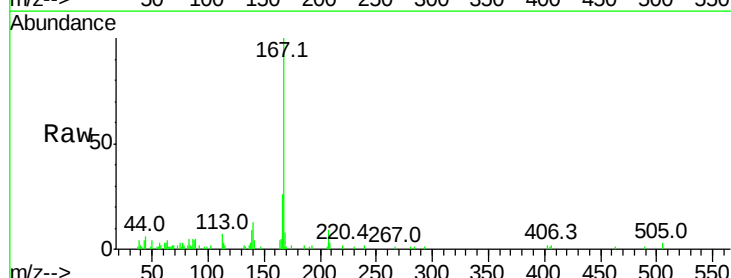
Manual Integrations
 APPROVED

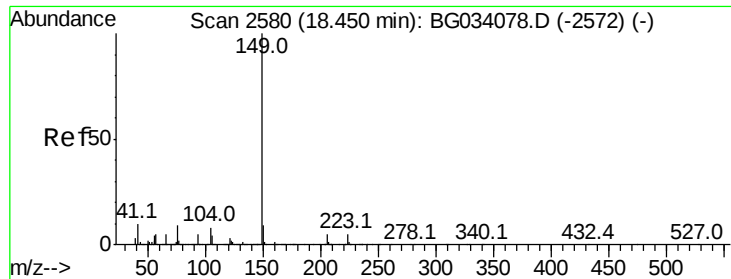
Sohil
 5/2/2018 4:50:43 PM



#72
 Carbazole
 Concen: 0.964 ng
 RT: 17.86 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.4	18.2	27.4
139	8.9	9.4	14.2





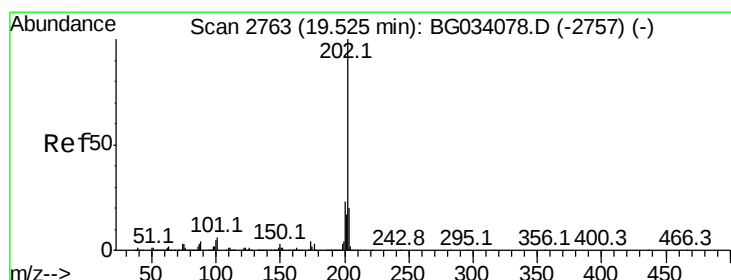
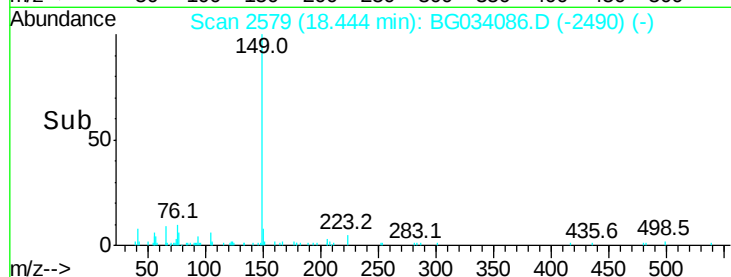
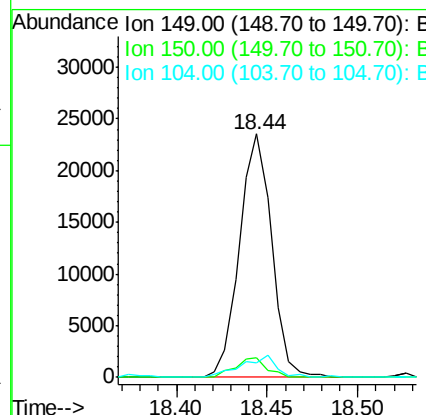
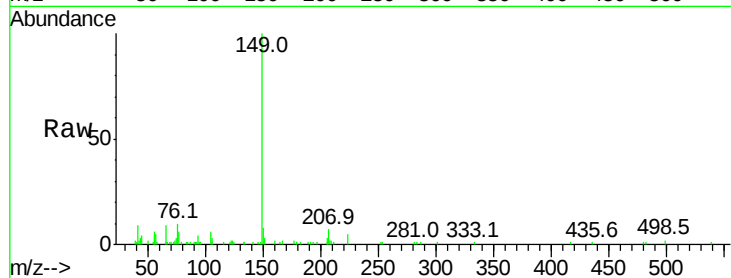
#73
Di-n-butylphthalate
Concen: 1.000 ng
RT: 18.44 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
149	100		
150	7.8	7.8	11.6
104	5.8	3.9	5.9

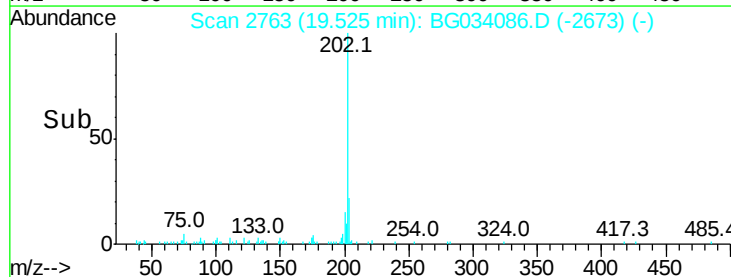
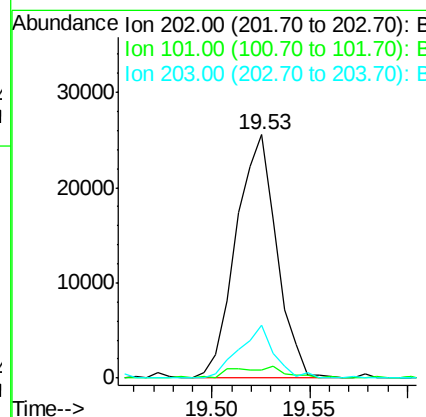
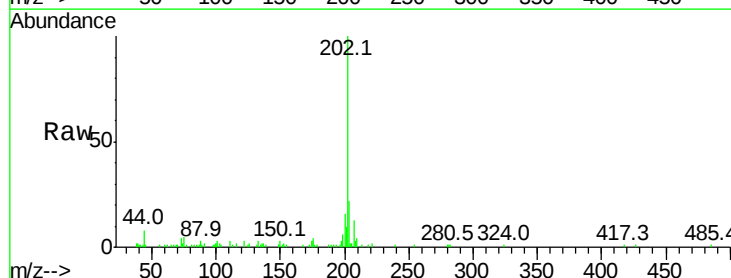
Manual Integrations
APPROVED

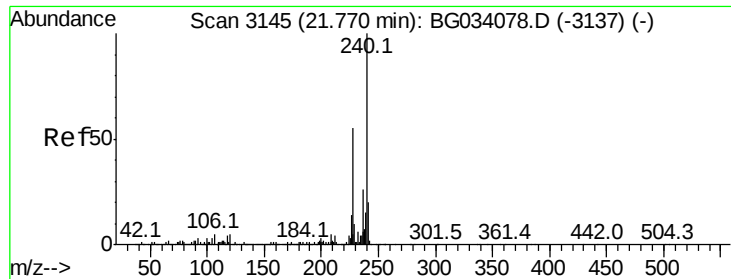
Sohil
5/2/2018 4:50:43 PM



#74
Fluoranthene
Concen: 1.125 ng
RT: 19.53 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.1	0.0	28.9
203	21.6	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

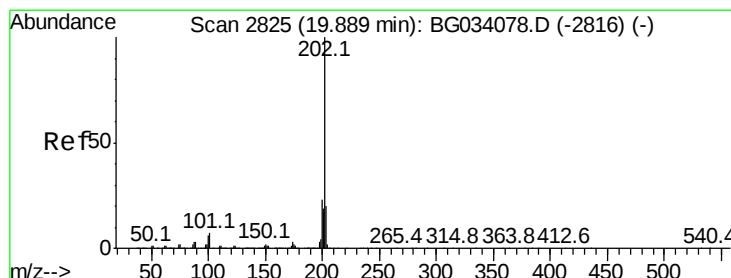
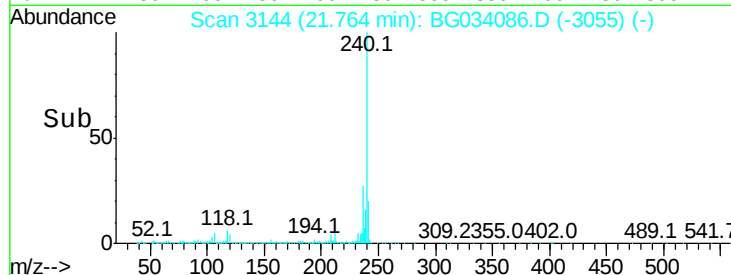
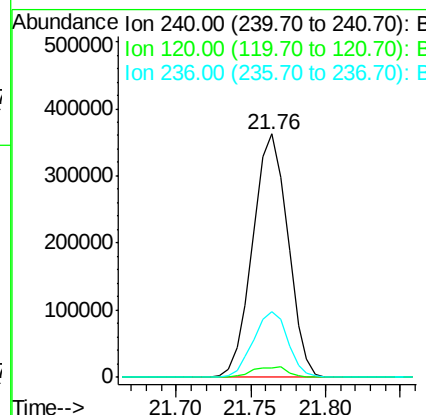
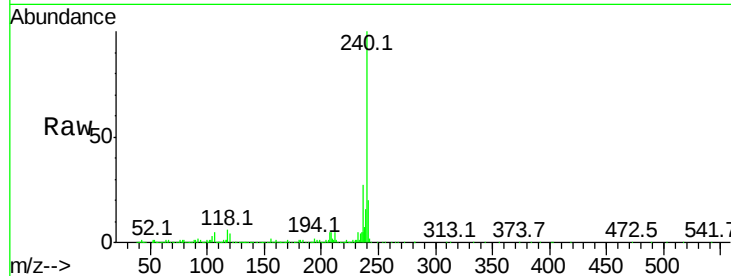
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	240	Resp:	590882
Ion Ratio	Lower	Upper	
240	100		
120	4.0	6.8	10.2#
236	27.1	20.9	31.3

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#77

Pyrene

Concen: 0.974 ng

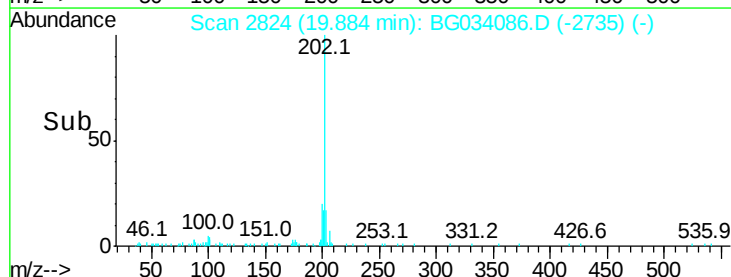
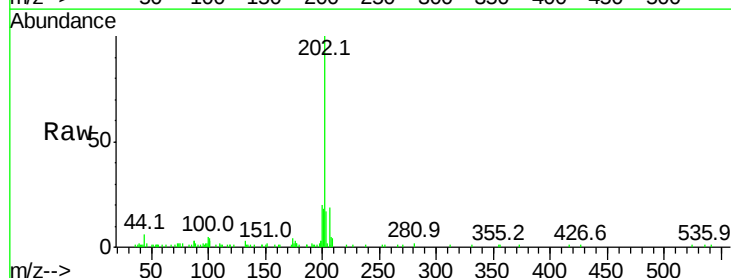
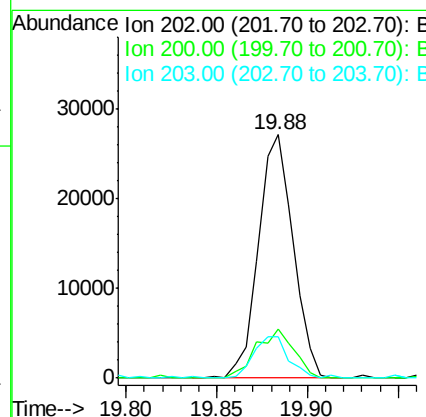
RT: 19.88 min Scan# 2824

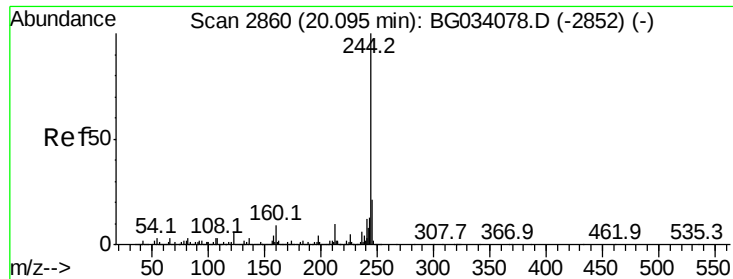
Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	202	Resp:	36061
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.9	25.3
203	16.9	13.9	20.9





#78

Terphenyl-d14

Concen: 78.223 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:244 Resp: 2109887

Ion Ratio Lower Upper

244 100

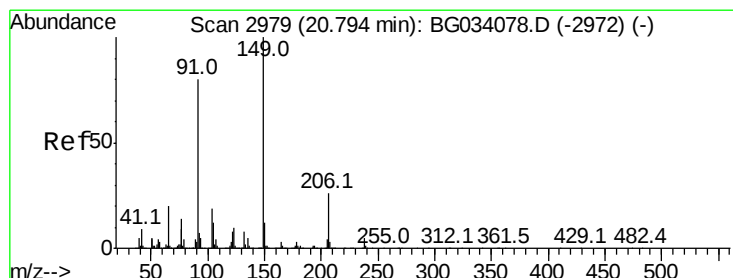
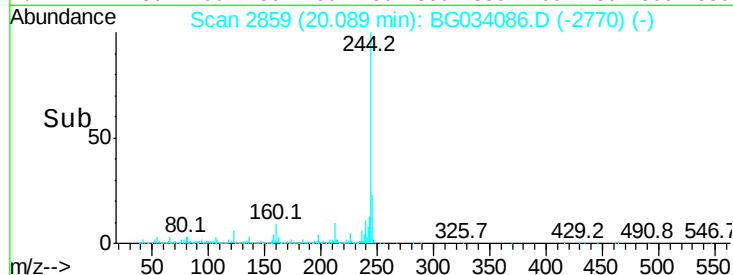
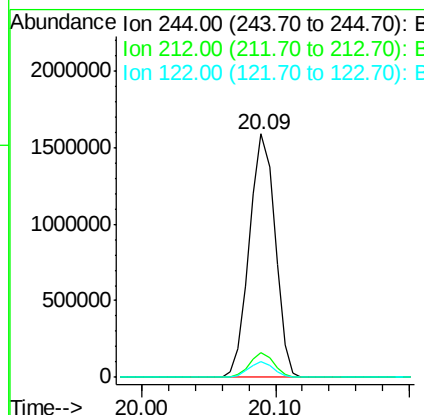
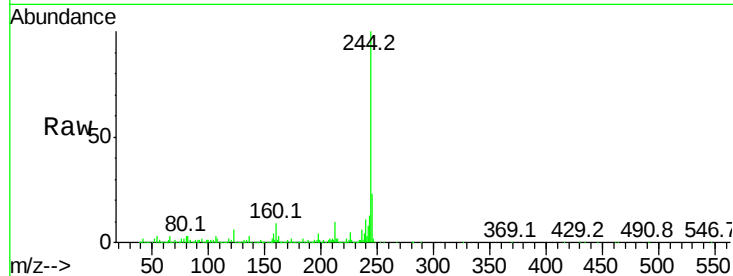
212 10.1 5.8 8.8#

122 6.4 7.0 10.4#

Manual Integrations
APPROVED

Sohil

5/2/2018 4:50:43 PM



#79

Butylbenzylphthalate

Concen: 0.960 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

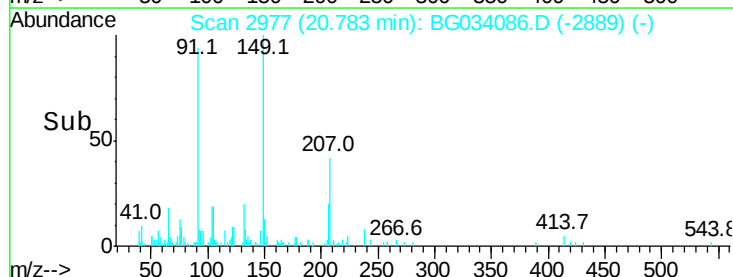
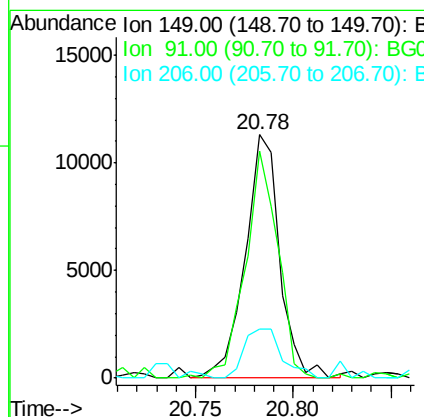
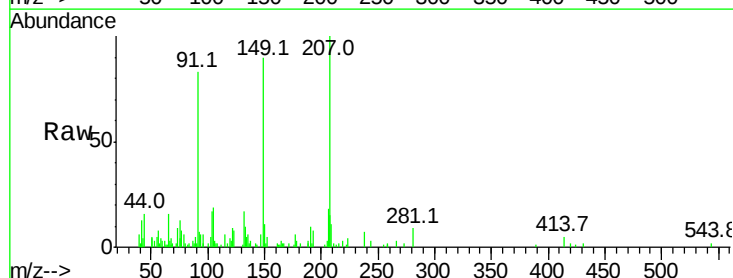
Tgt Ion:149 Resp: 13867

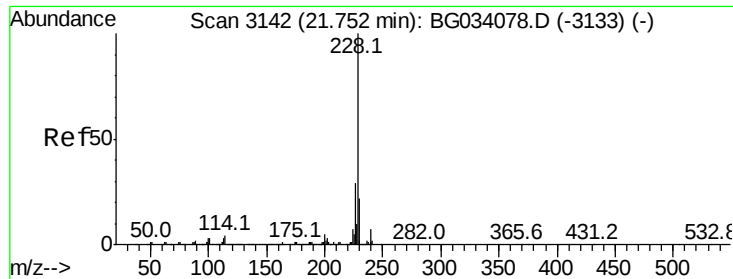
Ion Ratio Lower Upper

149 100

91 93.0 62.2 93.2

206 20.2 18.6 27.8





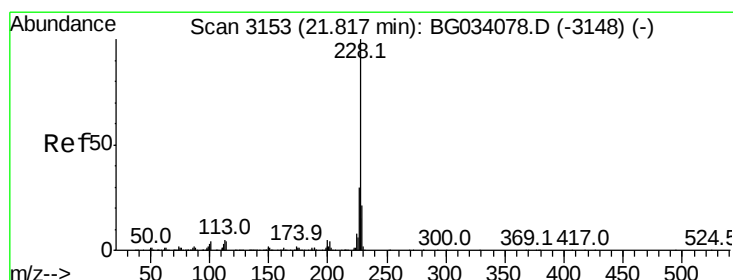
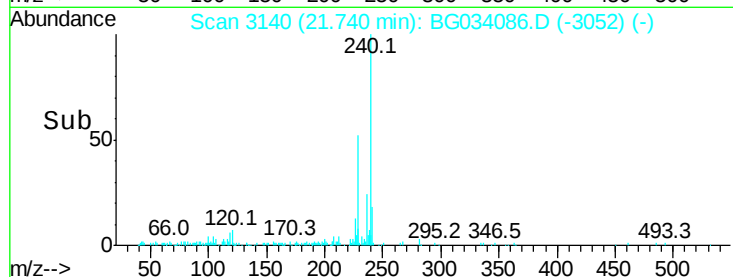
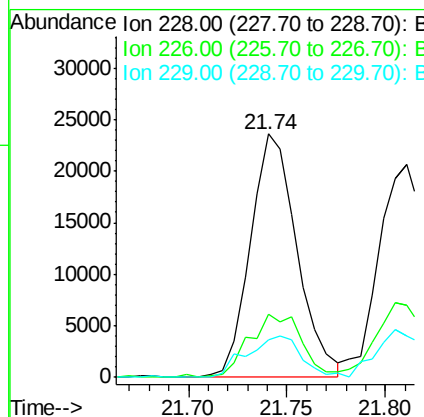
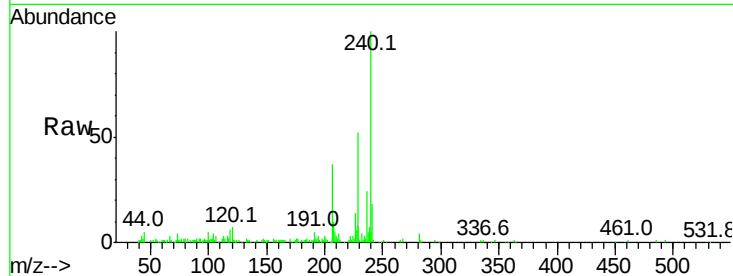
#80
Benzo(a)anthracene
Concen: 1.030 ng m
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.7	34.1
229	15.2	16.2	24.2

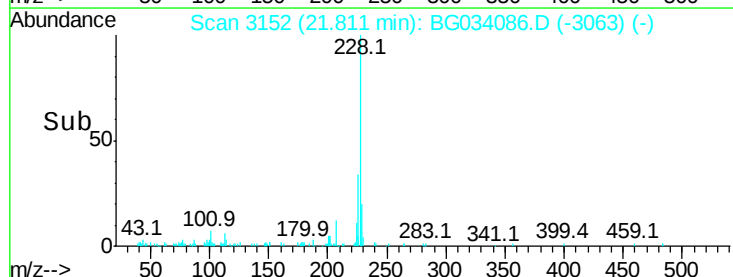
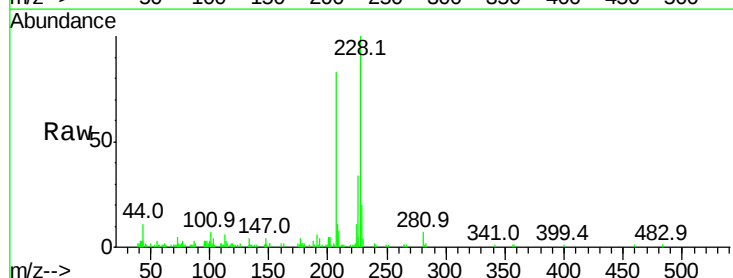
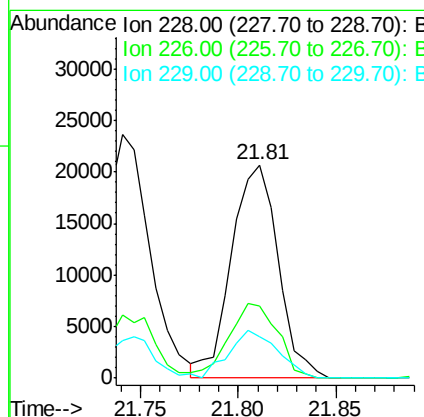
Manual Integrations
APPROVED

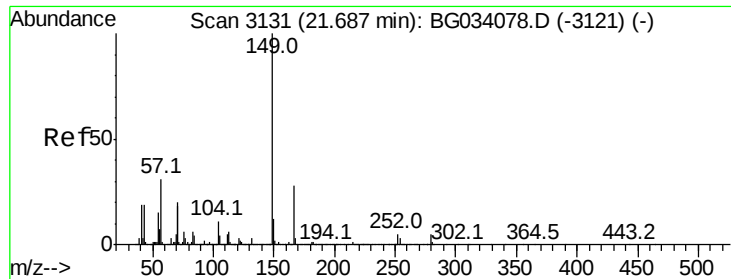
Sohil
5/2/2018 4:50:43 PM



#82
Chrysene
Concen: 0.948 ng
RT: 21.81 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.9	37.3
229	19.6	15.0	22.4





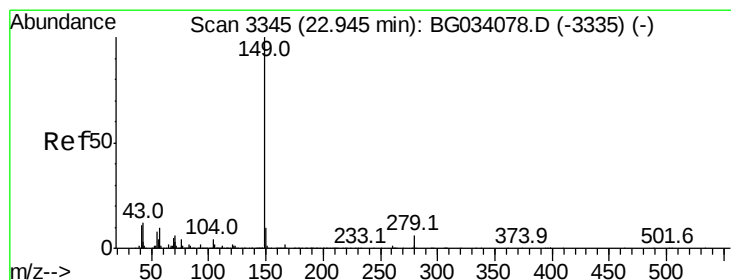
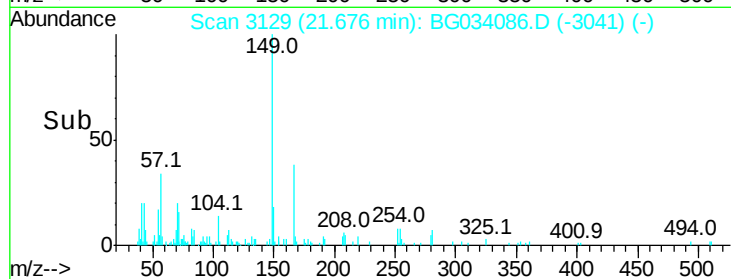
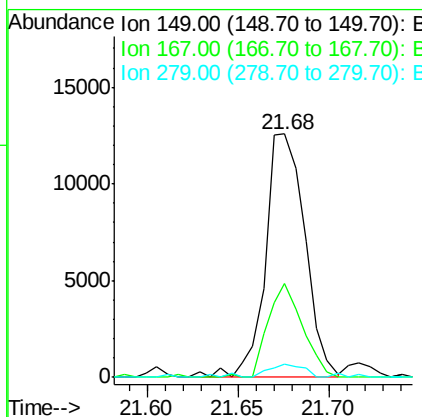
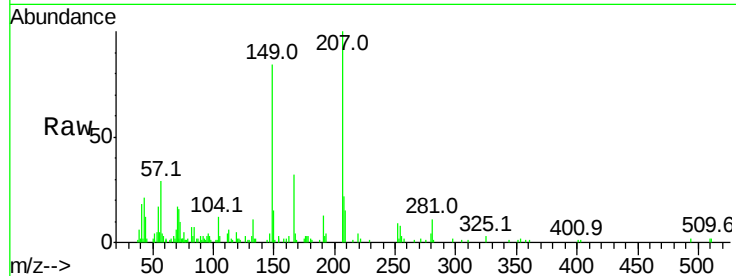
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.962 ng
 RT: 21.68 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	38.4	24.3	36.5#
279	5.2	4.0	6.0

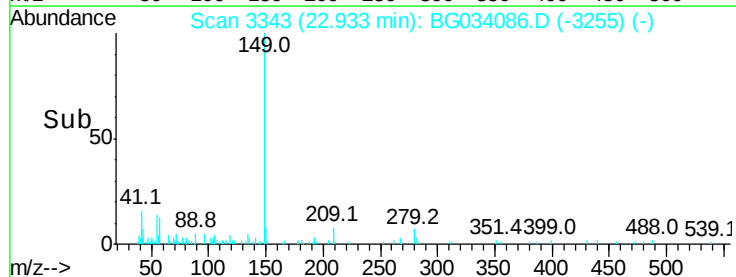
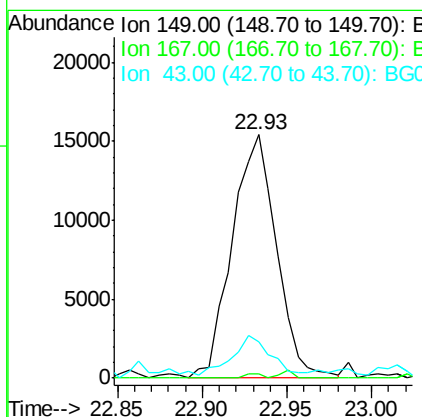
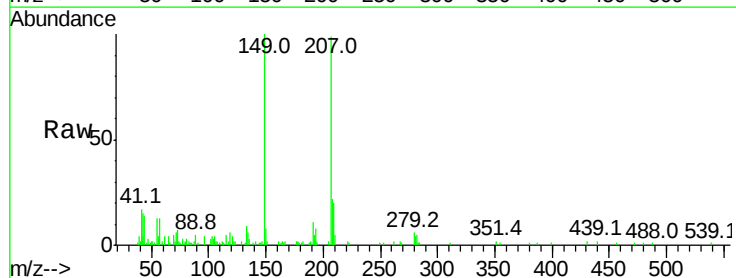
Manual Integrations
 APPROVED

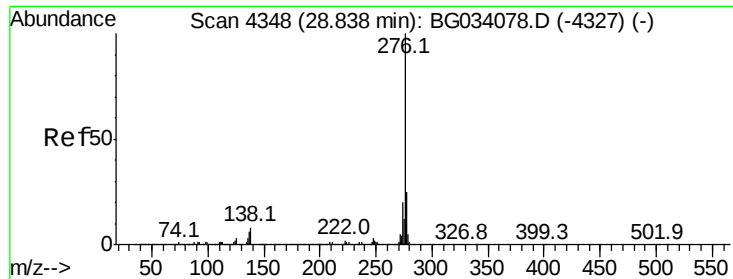
Sohil
 5/2/2018 4:50:43 PM



#84
 Di-n-octyl phthalate
 Concen: 0.888 ng
 RT: 22.93 min Scan# 3343
 Delta R.T. -0.01 min
 Lab File: BG034086.D
 Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.7	1.4	2.0#
43	13.5	8.9	13.3#





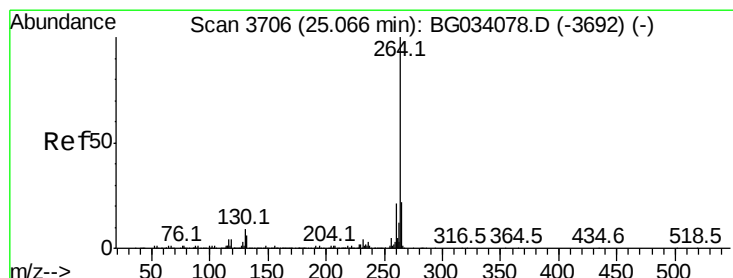
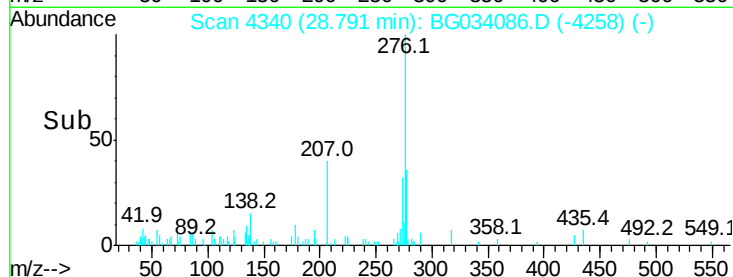
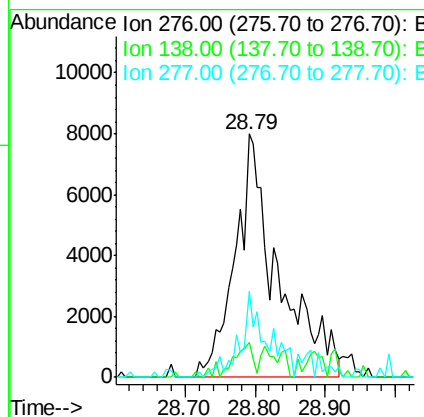
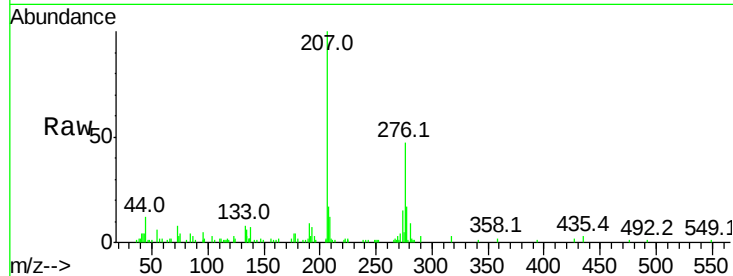
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.853 ng/ml
RT: 28.79 min Scan# 4340
Delta R.T. -0.05 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.8	16.0	24.0#
277	12.3	20.0	30.0#

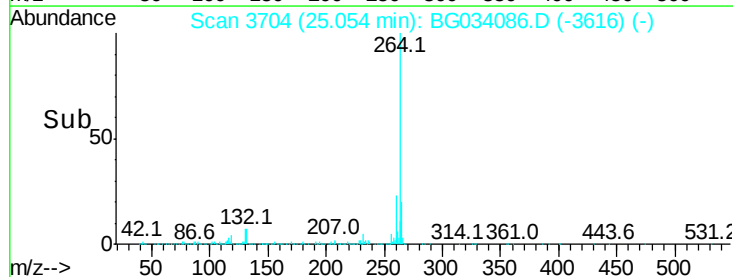
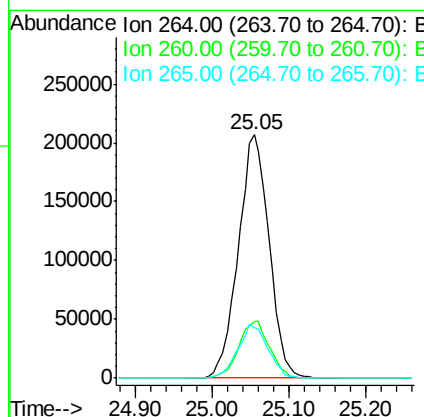
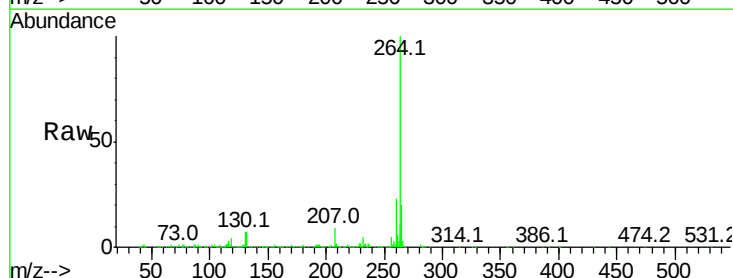
Manual Integrations
APPROVED

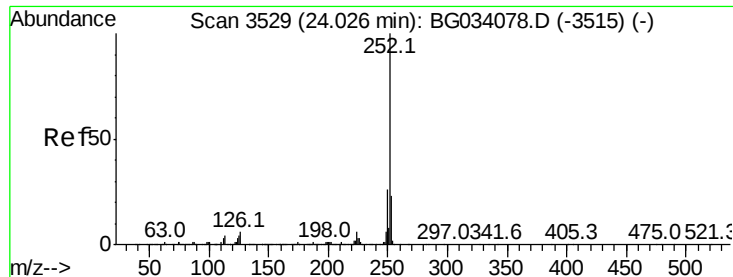
Sohil
5/2/2018 4:50:43 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.5	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 0.958 ng

RT: 24.01 min Scan# 3526

Delta R.T. -0.02 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

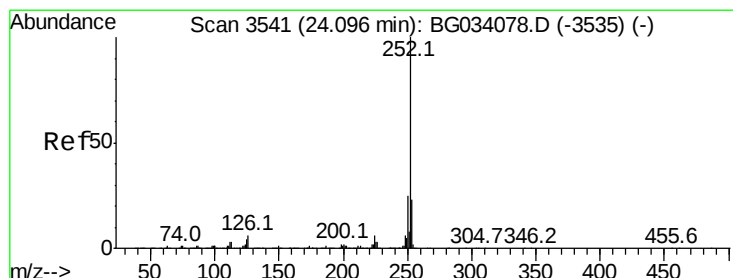
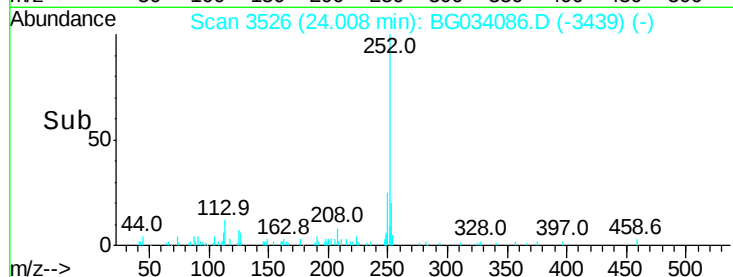
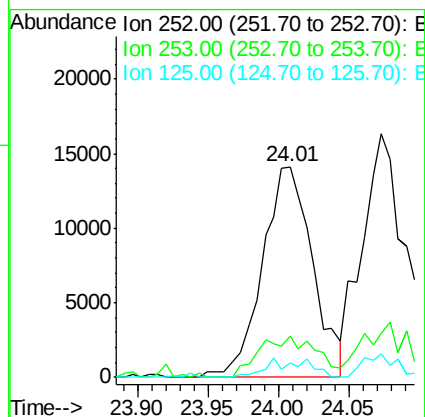
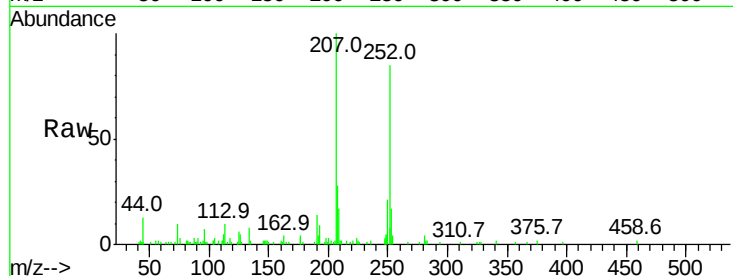
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	252	Resp:	34950
Ion Ratio	Lower	Upper	
252	100		
253	19.5	18.2	27.4
125	6.8	7.2	10.8

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



#88

Benzo(k)fluoranthene

Concen: 0.999 ng

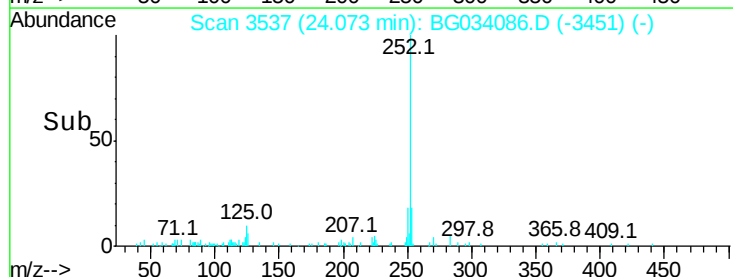
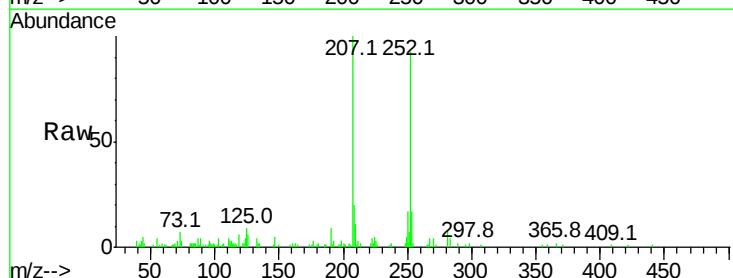
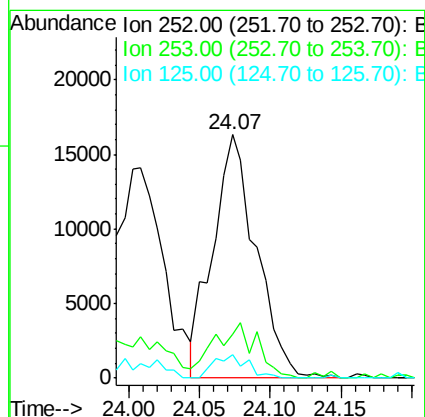
RT: 24.07 min Scan# 3537

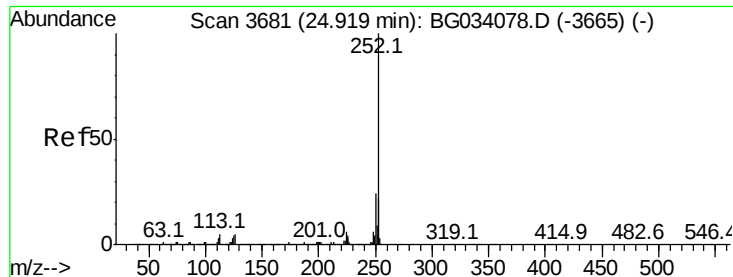
Delta R.T. -0.02 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Tgt Ion:	252	Resp:	34834
Ion Ratio	Lower	Upper	
252	100		
253	18.1	17.4	26.2
125	9.5	6.6	9.8





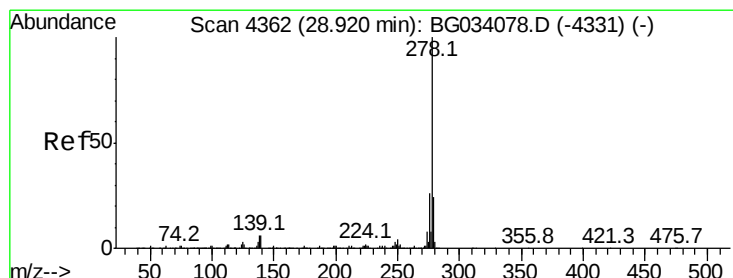
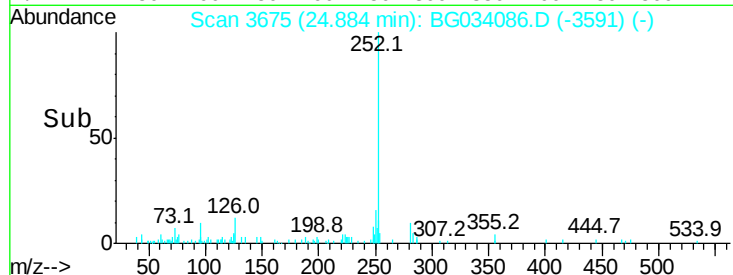
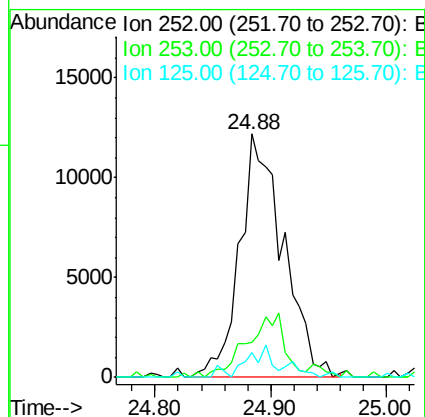
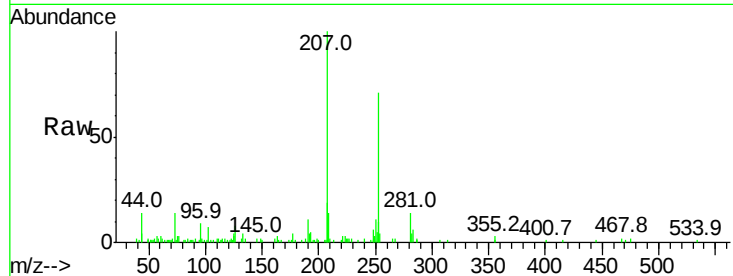
#89
Benzo(a)pyrene
Concen: 0.934 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.04 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	14.1	18.3	27.5#
125	10.4	7.3	10.9

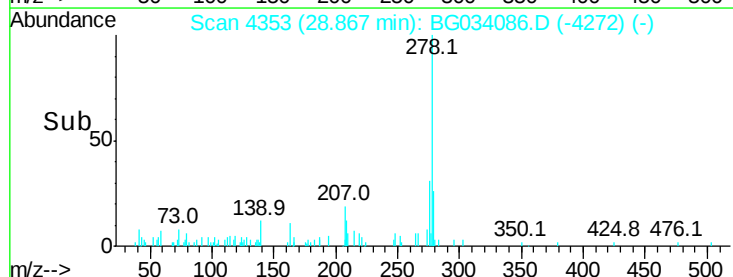
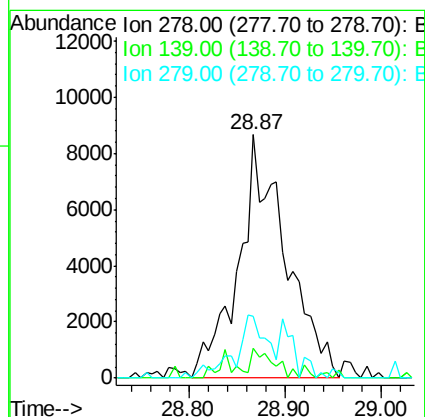
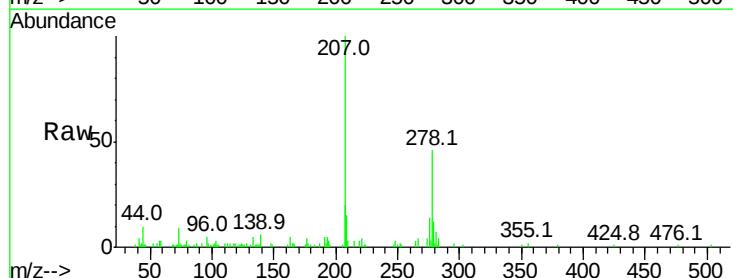
Manual Integrations
APPROVED

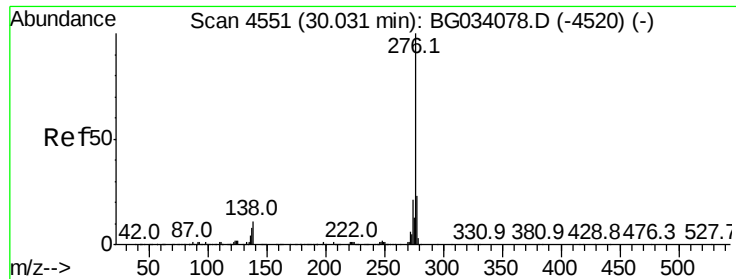
Sohil
5/2/2018 4:50:43 PM



#90
Dibenzo(a,h)anthracene
Concen: 0.917 ng m
RT: 28.87 min Scan# 4353
Delta R.T. -0.05 min
Lab File: BG034086.D
Acq: 1 May 2018 19:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.8	14.6
279	25.5	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 0.989 ng/mL

RT: 29.95 min Scan# 4537

Delta R.T. -0.08 min

Lab File: BG034086.D

Acq: 1 May 2018 19:51

Instrument :

BNA_G

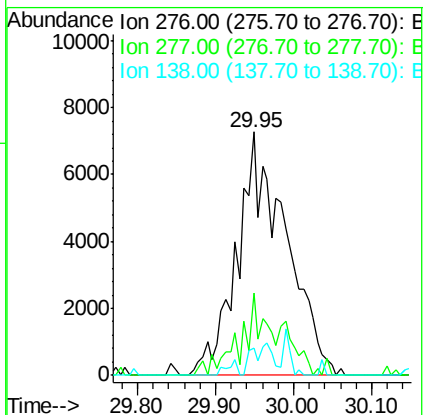
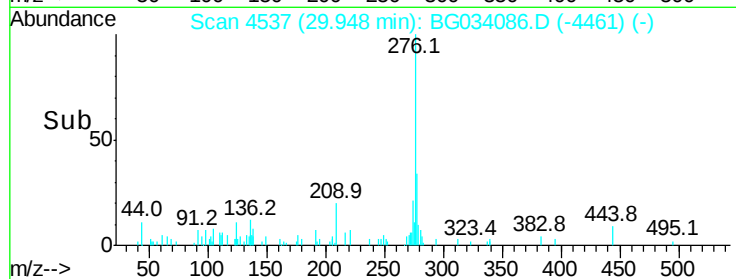
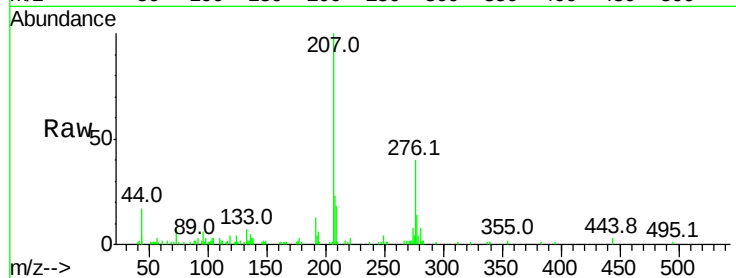
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

Tot Ion:	276	Resp:	31366
Ion Ratio	Lower	Upper	
276	100		
277	33.6	18.3	27.5#
138	7.7	13.9	20.9#

Manual Integrations
APPROVED

Sohil
5/2/2018 4:50:43 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034086.D
 Acq On : 1 May 2018 19:51
 Operator : SJ/JU
 Sample : J2133-01
 Misc : 1PPM LOD
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Manual Integrations
 APPROVED

Sohil
 5/2/2018 4:50:43 PM

Quant Time: May 02 05:40:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	55555	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	234551	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	187987	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	505507	20.00	ng	0.00
75) Chrysene-d12	21.76	240	590882	20.00	ng	0.00
86) Perylene-d12	25.05	264	577492	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	459839	133.73	ng	0.00
7) Phenol-d6	7.22	99	684793	127.92	ng	0.00
23) Nitrobenzene-d5	9.24	82	487285	79.71	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	347502	133.50	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1037788	80.44	ng	0.00
78) Terphenyl-d14	20.09	244	2109887	78.22	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.40	93	6720	0.923	ng	# 77
8) 2-Chlorophenol	7.63	128	3510	1.023	ng	# 30
9) Benzaldehyde	7.22	77	4954	0.056	ng	# 50
10) Phenol	7.24	94	4683	0.867	ng	# 1
11) bis(2-Chloroethyl)ether	7.49	93	5220	1.228	ng	# 66
12) 1,3-Dichlorobenzene	7.96	146	5170	1.191	ng	# 78
13) 1,4-Dichlorobenzene	8.11	146	4991	1.158	ng	# 88
14) 1,2-Dichlorobenzene	8.44	146	4651	1.136	ng	# 84
15) Benzyl Alcohol	8.31	79	6561	1.149	ng	# 72
16) 2,2'-oxybis(1-Chloropropan	8.61	45	5785	0.989	ng	# 69
18) Hexachloroethane	9.17	117	2108	1.149	ng	# 45
24) Nitrobenzene	9.28	77	7666	1.146	ng	# 68
31) Naphthalene	10.94	128	12550	1.018	ng	# 89
34) Hexachlorobutadiene	11.23	225	4225	0.966	ng	# 82
37) 2-Methylnaphthalene	12.55	142	9182	0.919	ng	# 53
39) 1,2,4,5-Tetrachlorobenzene	12.90	216	6629	0.911	ng	# 83
45) 1,1'-Biphenyl	13.55	154	18620	1.268	ng	# 83
46) 2-Chloronaphthalene	13.60	162	11179	1.005	ng	# 96
47) 2-Nitroaniline	13.79	65	3552	0.799	ng	# 60
48) Acenaphthylene	14.44	152	18157	1.023	ng	# 94
49) Dimethylphthalate	14.17	163	14981	0.919	ng	# 96
50) 2,6-Dinitrotoluene	14.28	165	2080	0.664	ng	# 67
51) Acenaphthene	14.78	154	12583	1.043	ng	# 71
54) Dibenzofuran	15.12	168	17820	1.019	ng	# 88
57) Fluorene	15.76	166	15652	1.027	ng	# 97
58) 2,3,4,6-Tetrachlorophenol	15.34	232	4525	0.936	ng	# 95
59) Diethylphthalate	15.54	149	18776	1.088	ng	# 91
62) Azobenzene	16.05	77	20270	1.088	ng	# 91
65) n-Nitrosodiphenylamine	15.98	169	15044	1.091	ng	# 97
66) 4-Bromophenyl-phenylether	16.66	248	5826	0.928	ng	# 91
67) Hexachlorobenzene	16.77	284	5895	0.925	ng	# 71
68) Atrazine	16.92	200	4396	1.432	ng	# 91
70) Phenanthrene	17.52	178	28234	1.087	ng	# 95
71) Anthracene	17.60	178	26068m	0.990	ng	

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034086.D
 Acq On : 1 May 2018 19:51
 Operator : SJ/JU
 Sample : J2133-01
 Misc : 1PPM LOD
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Manual Integrations
 APPROVED

Sohil
 5/2/2018 4:50:43 PM

Quant Time: May 02 05:40:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	17.86	167	23242	0.964	nq	# 93
73) Di-n-butylphthalate	18.44	149	29007	1.000	nq	96
74) Fluoranthene	19.53	202	36937	1.125	nq	88
77) Pyrene	19.88	202	36061	0.974	nq	98
79) Butylbenzylphthalate	20.78	149	13867	0.960	nq	85
80) Benzo(a)anthracene	21.74	228	39019m	1.030	nq	
82) Chrysene	21.81	228	34368	0.948	nq	96
83) Bis(2-ethylhexyl)phthalate	21.68	149	19136	0.962	nq	# 87
84) Di-n-octyl phthalate	22.93	149	28209	0.888	nq	# 94
85) Indeno(1,2,3-cd)pyrene	28.79	276	34037m	0.853	nq	
87) Benzo(b)fluoranthene	24.01	252	34950	0.958	nq	# 93
88) Benzo(k)fluoranthene	24.07	252	34834	0.999	nq	93
89) Benzo(a)pyrene	24.88	252	31892	0.934	nq	# 86
90) Dibenzo(a,h)anthracene	28.87	278	29496m	0.917	nq	
91) Benzo(a,h,i)perylene	29.95	276	31366m	0.989	nq	

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