

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035842.D
 Acq On : 24 Jul 2018 11:13
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

Sohil
 7/25/2018 6:34:45 PM

Quant Time: Jul 25 16:20:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33968	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	128079	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	90935	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	262282	20.00	ng	0.00
75) Chrysene-d12	21.66	240	305084	20.00	ng	0.00
86) Perylene-d12	24.85	264	277769	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	248951	121.68	ng	0.00
7) Phenol-d6	7.19	99	360296	118.03	ng	0.00
23) Nitrobenzene-d5	9.19	82	247925	80.86	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	168014	140.18	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	603376	88.90	ng	0.00
78) Terphenyl-d14	20.00	244	1419051	102.53	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.35	93	1676	0.424	ng	# 81
8) 2-Chlorophenol	7.60	128	2462	1.183	ng	# 86
9) Benzaldehyde	7.19	77	2065	1.103	ng	# 44
10) Phenol	7.22	94	2882	0.934	ng	# 37
11) bis(2-Chloroethyl)ether	7.45	93	2023	0.838	ng	# 71
12) 1,3-Dichlorobenzene	7.92	146	1882	0.749	ng	# 69
13) 1,4-Dichlorobenzene	8.06	146	2519	0.987	ng	# 84
14) 1,2-Dichlorobenzene	8.38	146	2280m	0.930	ng	
15) Benzyl Alcohol	8.30	79	1494m	0.539	ng	
16) 2,2'-oxybis(1-Chloropropan	8.56	45	2206	1.089	ng	46
18) Hexachloroethane	9.10	117	852	0.873	ng	# 72
24) Nitrobenzene	9.23	77	2550	0.827	ng	# 82
31) Naphthalene	10.88	128	5829	0.874	ng	# 91
34) Hexachlorobutadiene	11.17	225	2059	1.018	ng	95
37) 2-Methylnaphthalene	12.50	142	4441	0.893	ng	# 79
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	3318	0.967	ng	# 95
45) 1,1'-Biphenyl	13.49	154	7394	1.049	ng	86
46) 2-Chloronaphthalene	13.53	162	5521	1.007	ng	# 87
48) Acenaphthylene	14.38	152	8755	0.953	ng	95
49) Dimethylphthalate	14.11	163	6852	0.860	ng	96
50) 2,6-Dinitrotoluene	14.24	165	1194	0.736	ng	# 68
51) Acenaphthene	14.71	154	4951	0.865	ng	# 80
54) Dibenzofuran	15.05	168	8955	0.984	ng	99
57) Fluorene	15.70	166	7080	0.928	ng	# 83
58) 2,3,4,6-Tetrachlorophenol	15.30	232	1192	0.554	ng	# 59
59) Diethylphthalate	15.47	149	6854	0.837	ng	98
62) Azobenzene	15.98	77	6819	0.844	ng	86
65) n-Nitrosodiphenylamine	15.91	169	6036	0.809	ng	94
66) 4-Bromophenyl-phenylether	16.58	248	2373	0.780	ng	94
67) Hexachlorobenzene	16.70	284	2701	0.862	ng	# 84
68) Atrazine	16.87	200	1650	0.537	ng	92
70) Phenanthrene	17.44	178	13411	1.025	ng	# 88
71) Anthracene	17.53	178	11963	0.918	ng	# 93
72) Carbazole	17.82	167	9175	0.741	ng	# 84

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035842.D
 Acq On : 24 Jul 2018 11:13
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

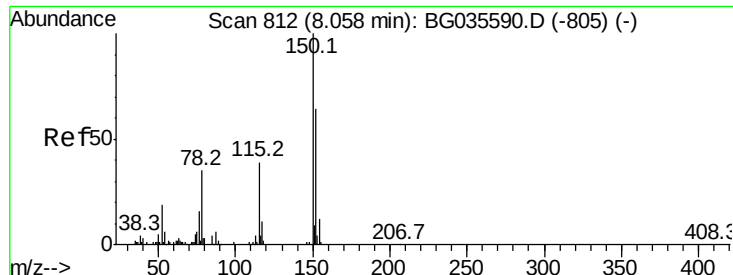
Sohil
 7/25/2018 6:34:45 PM

Quant Time: Jul 25 16:20:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

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

73) Di-n-butylphthalate	18.35	149	10984	0.751	nq	# 92
74) Fluoranthene	19.45	202	16319	0.926	nq	92
77) Pyrene	19.81	202	16545	0.858	nq	98
79) Butylbenzylphthalate	20.68	149	5256	0.762	nq	96
80) Benzo(a)anthracene	21.64	228	18025	0.948	nq	92
82) Chrysene	21.70	228	17711	1.005	nq	93
83) Bis(2-ethylhexyl)phthalate	21.53	149	8441	0.900	nq	# 91
84) Di-n-octyl phthalate	22.74	149	12087	0.770	nq	# 96
85) Indeno(1,2,3-cd)pyrene	28.51	276	15389m	0.789	nq	
87) Benzo(b)fluoranthene	23.84	252	13862m	0.821	nq	
88) Benzo(k)fluoranthene	23.91	252	16909	1.024	nq	99
89) Benzo(a)pyrene	24.71	252	14027	0.893	nq	# 92
90) Dibenzo(a,h)anthracene	28.61	278	11667m	0.757	nq	
91) Benzo(q,h,i)perylene	29.66	276	11798m	0.782	nq	

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



#1

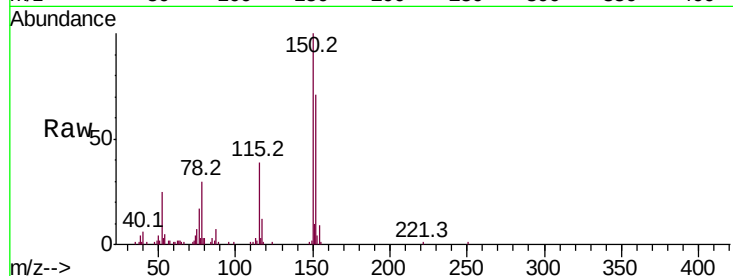
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.5	126.6	189.8
115	54.4	53.0	79.4

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM

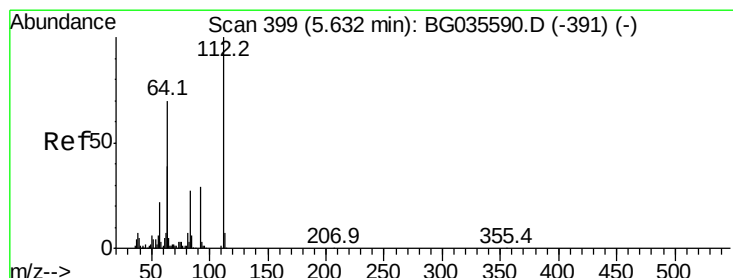
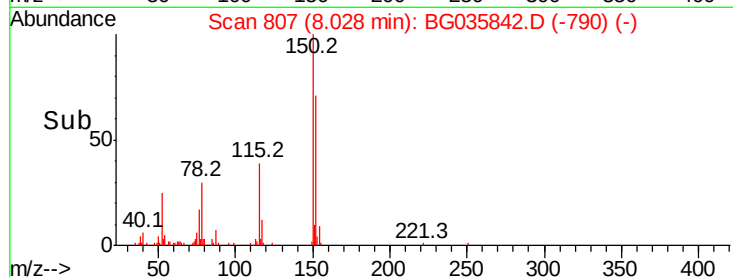
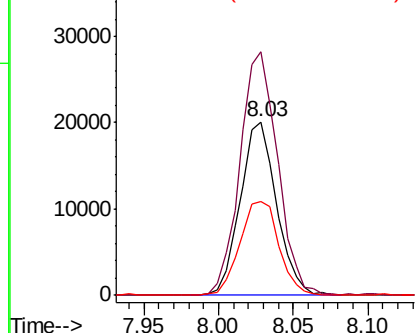


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

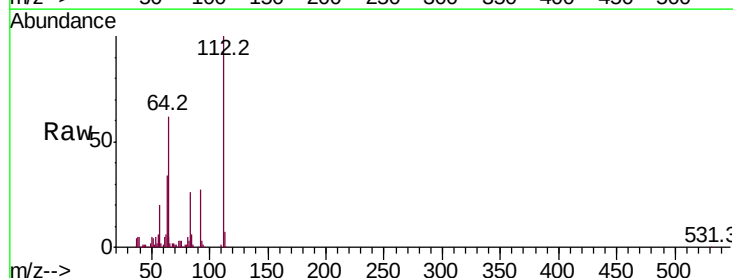
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.678 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	56.3	84.5
63	34.1	30.1	45.1

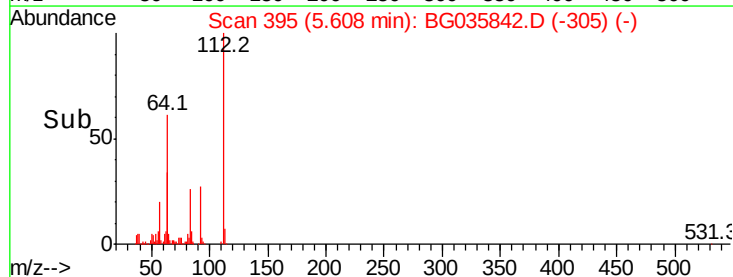
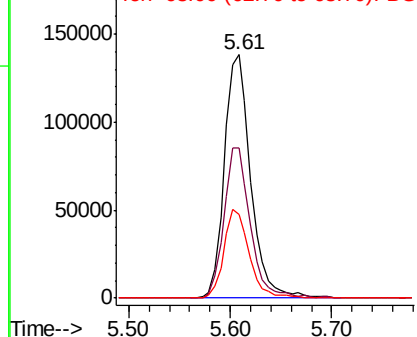


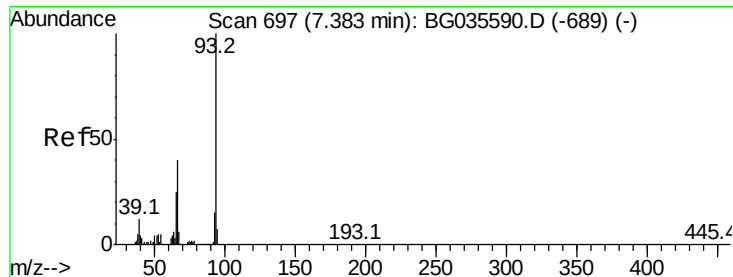
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 0.424 ng

RT: 7.35 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

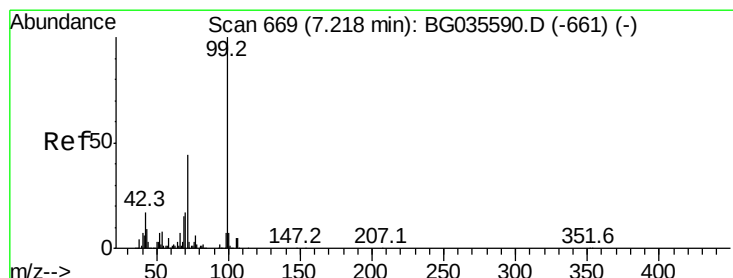
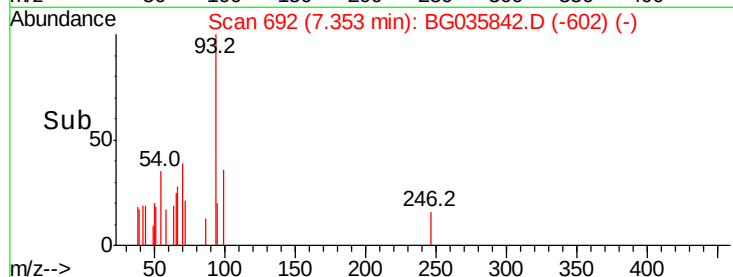
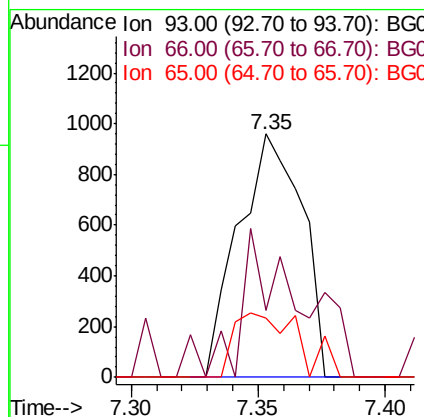
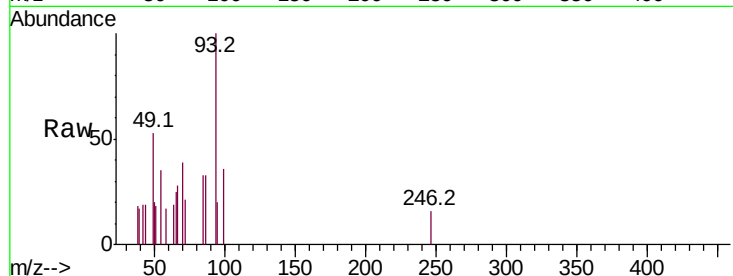
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	93	Resp:	1676
Ion Ratio	Lower	Upper	
93	100		
66	27.5	33.7	50.5#
65	24.6	16.1	24.1#

Manual Integrations
APPROVED

Sohil

7/25/2018 6:34:45 PM



#7

Phenol-d6

Concen: 118.030 ng

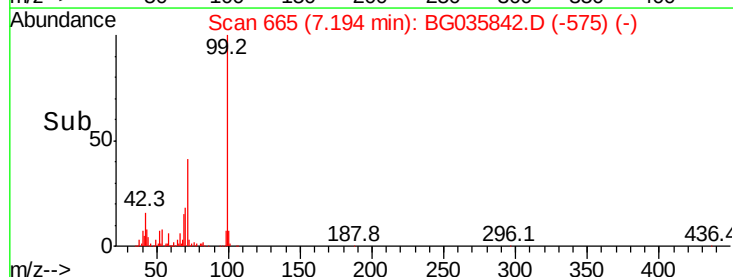
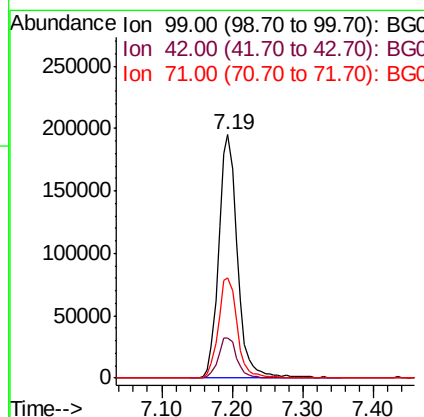
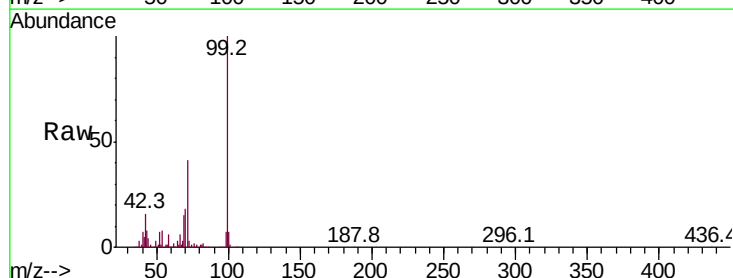
RT: 7.19 min Scan# 665

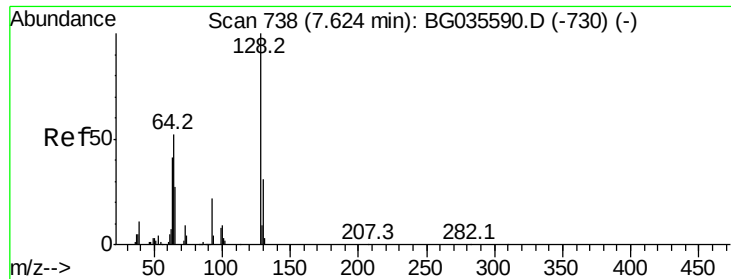
Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	99	Resp:	360296
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.1	21.1
71	41.3	26.1	39.1#





#8

2-Chlorophenol

Concen: 1.183 ng

RT: 7.60 min Scan# 734

Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

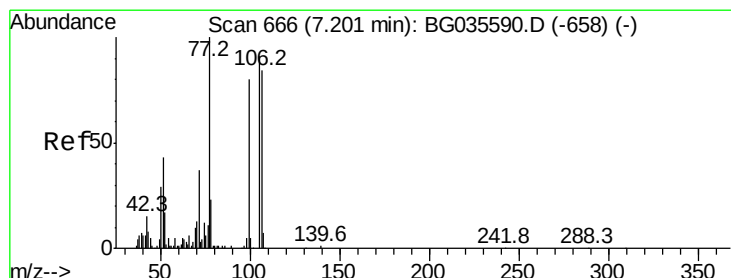
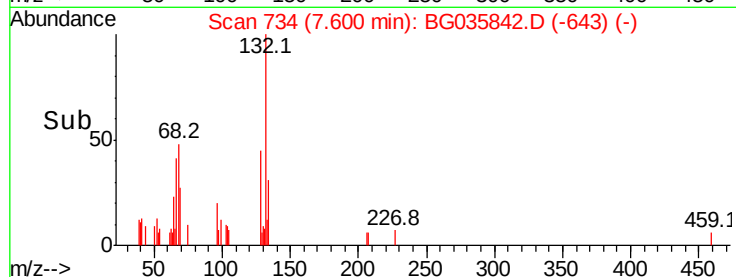
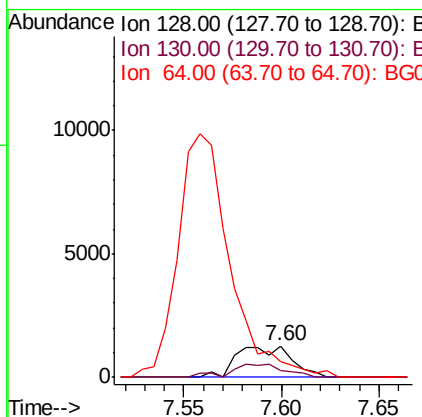
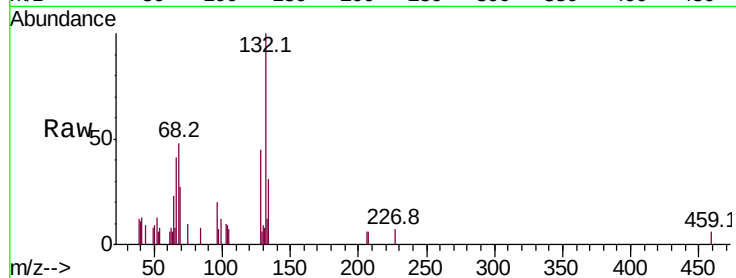
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	128	Resp:	2462
Ion Ratio	Lower	Upper	
128	100		
130	20.7	14.0	54.0
64	51.9	37.7	77.7

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#9

Benzaldehyde

Concen: 1.103 ng

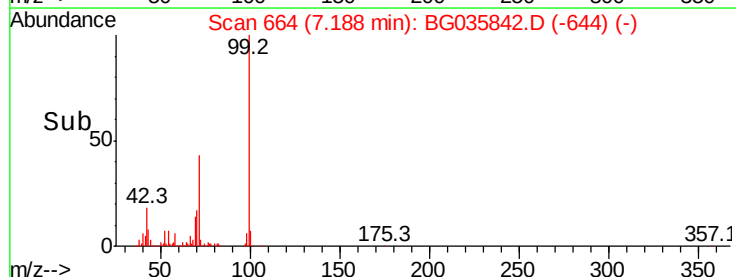
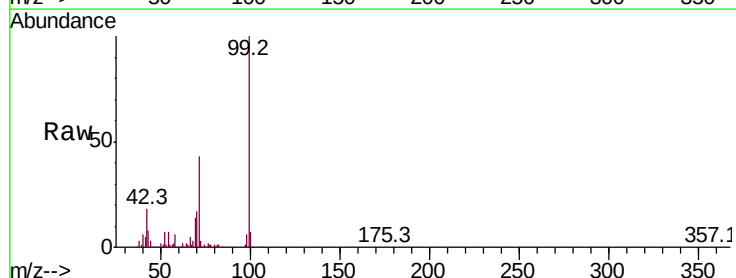
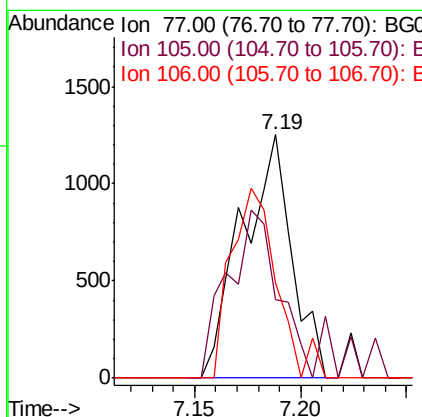
RT: 7.19 min Scan# 664

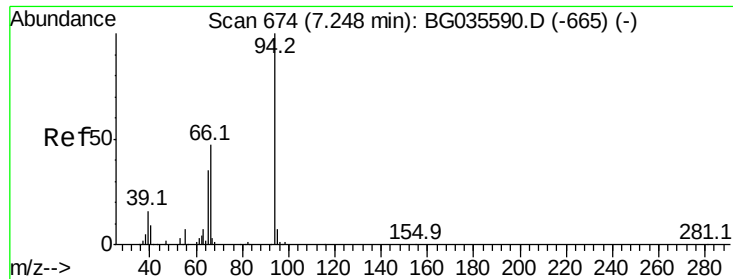
Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	77	Resp:	2065
Ion Ratio	Lower	Upper	
77	100		
105	32.3	71.3	111.3#
106	39.0	64.2	104.2#





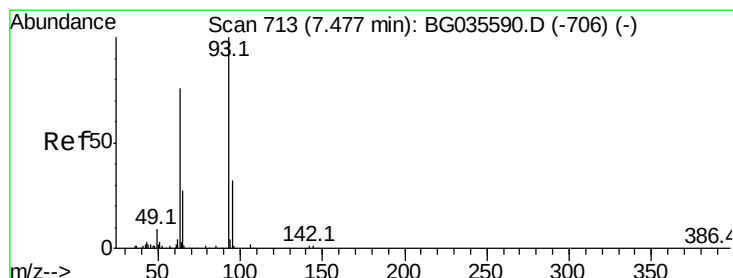
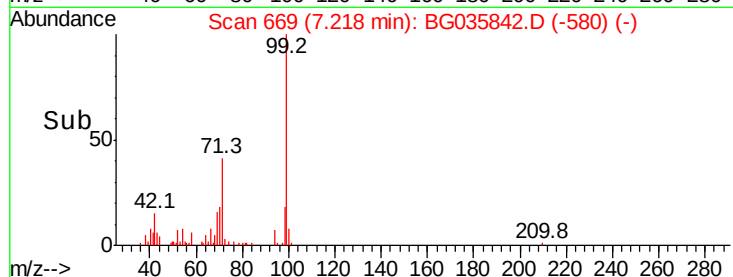
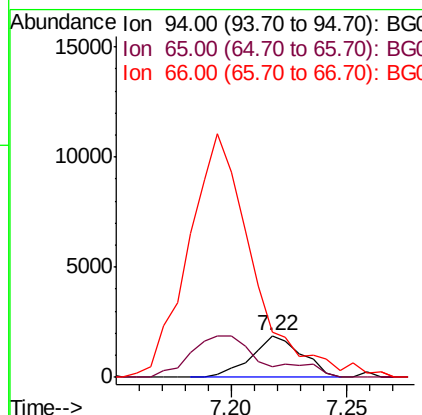
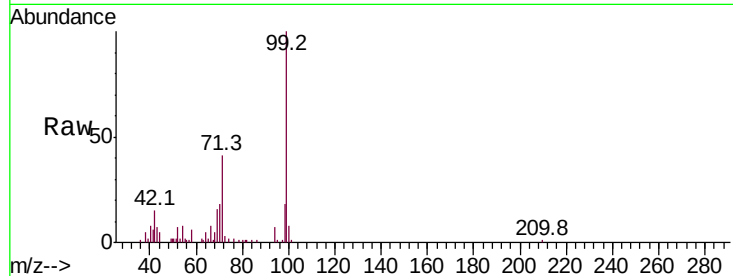
#10
Phenol
Concen: 0.934 ng
RT: 7.22 min Scan# 669
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.4	11.9	51.9
66	108.0	22.2	62.2#

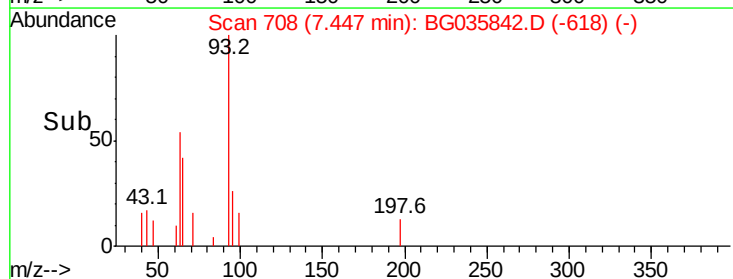
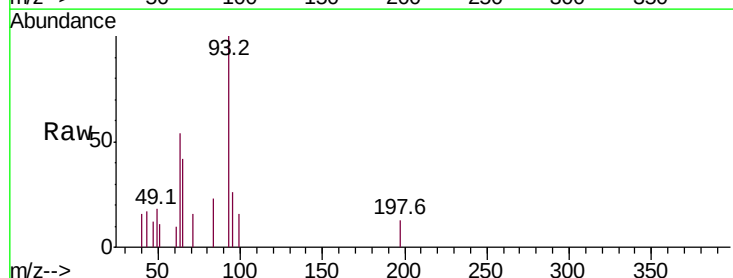
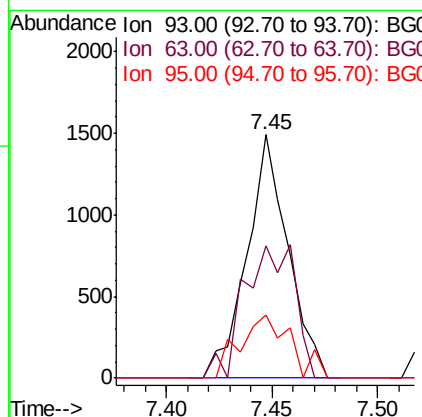
Manual Integrations
APPROVED

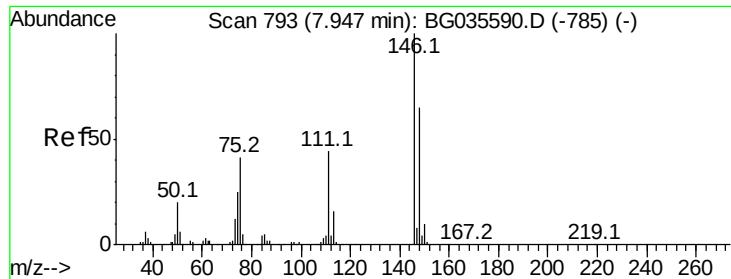
Sohil
7/25/2018 6:34:45 PM



#11
bis(2-Chloroethyl)ether
Concen: 0.838 ng
RT: 7.45 min Scan# 708
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
93	100		
63	54.4	67.1	107.1#
95	26.0	11.5	51.5





#12

1,3-Dichlorobenzene

Concen: 0.749 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

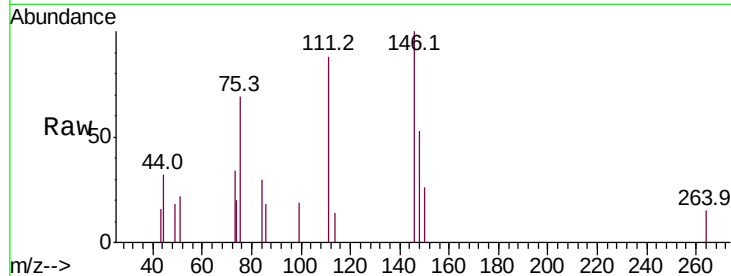
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	146	Resp:	1882
Ion Ratio	Lower	Upper	
146	100		
148	53.5	51.4	77.2
75	69.0	26.6	39.8#

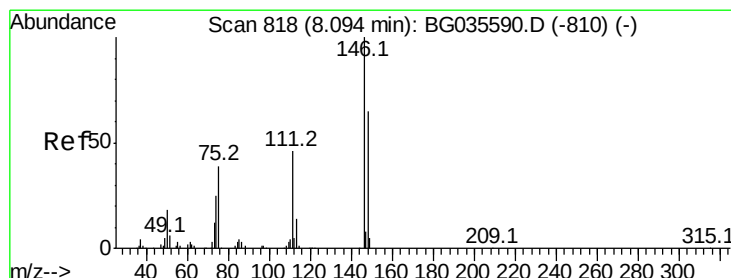
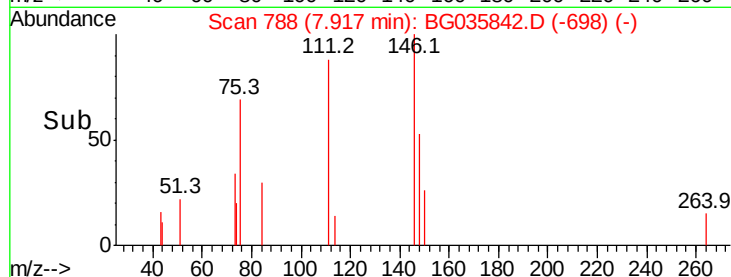
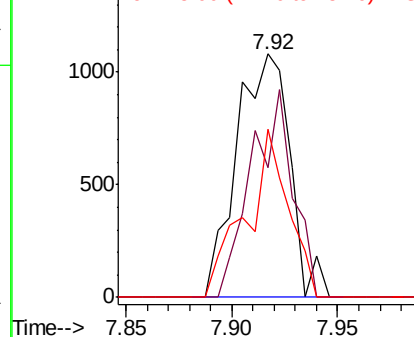
Manual Integrations
APPROVED

Sohil

7/25/2018 6:34:45 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 0.987 ng

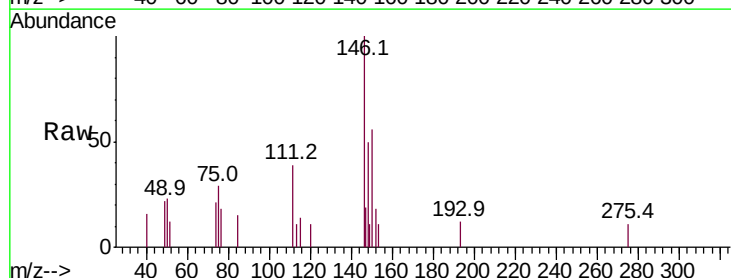
RT: 8.06 min Scan# 813

Delta R.T. -0.00 min

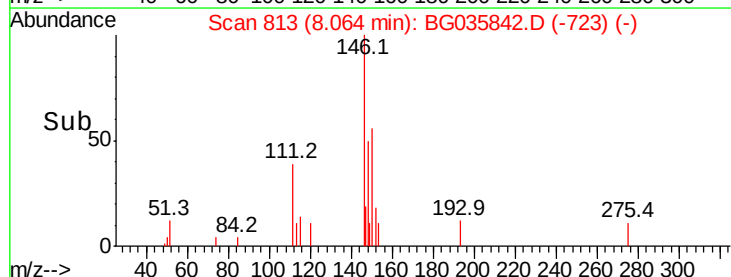
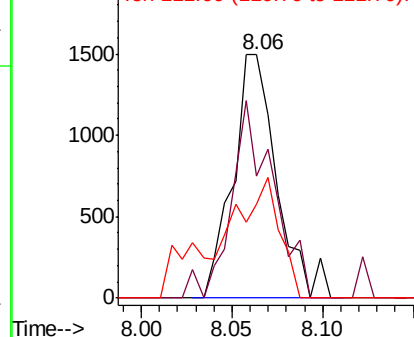
Lab File: BG035842.D

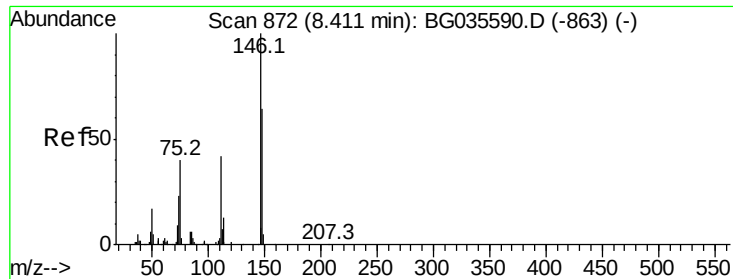
Acq: 24 Jul 2018 11:13

Tgt Ion:	146	Resp:	2519
Ion Ratio	Lower	Upper	
146	100		
148	50.3	53.7	80.5#
111	38.7	35.2	52.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.930 ng m

RT: 8.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

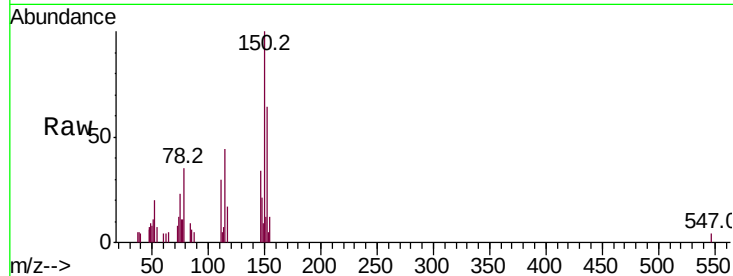
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.8	49.3	73.9
111	88.8	34.3	51.5#

Manual Integrations
APPROVED

Sohil

7/25/2018 6:34:45 PM

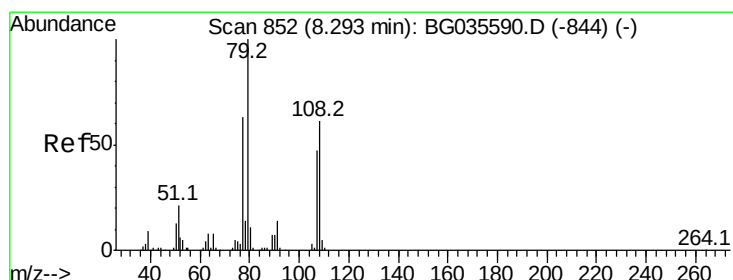
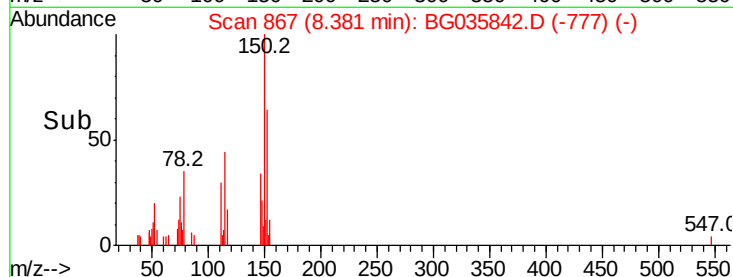
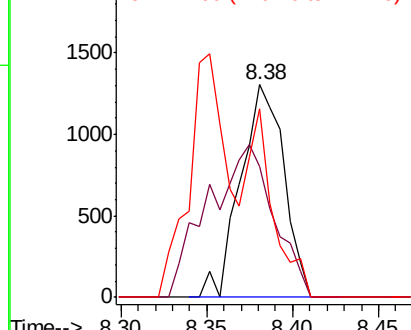


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.539 ng m

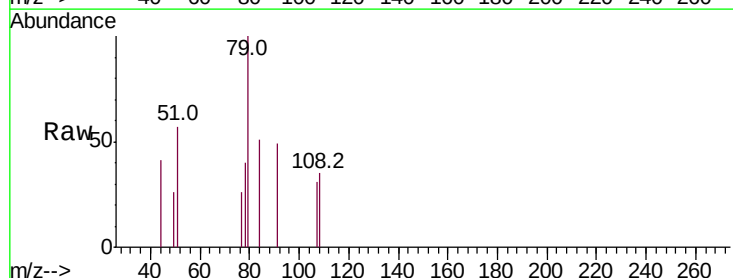
RT: 8.30 min Scan# 853

Delta R.T. 0.03 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
79	100		
108	34.8	57.2	85.8#
77	25.9	46.1	69.1#

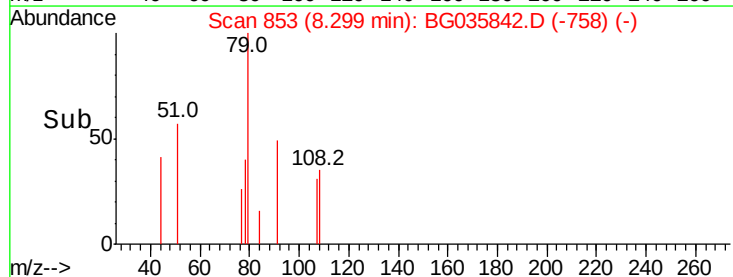
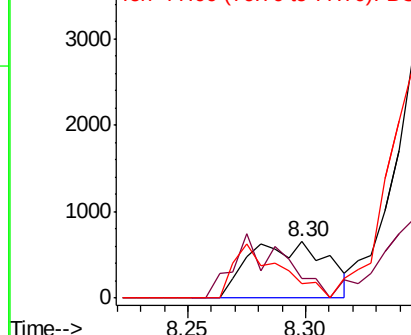


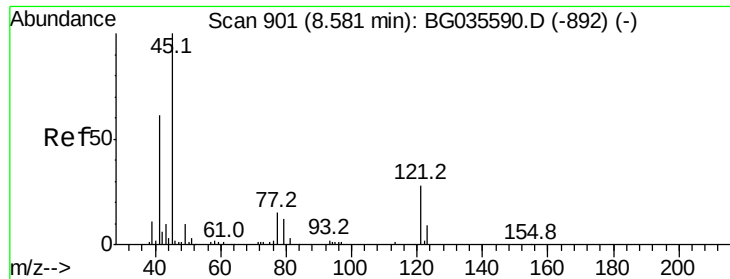
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC





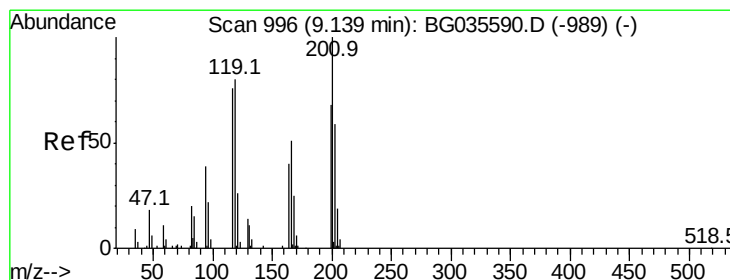
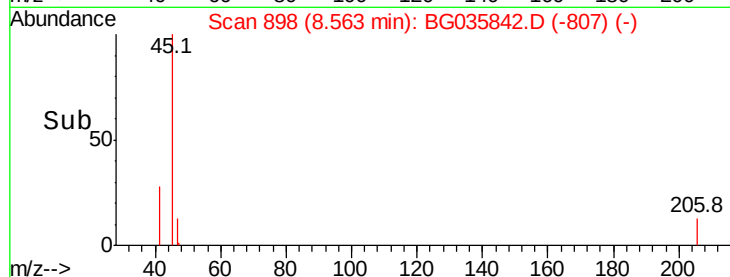
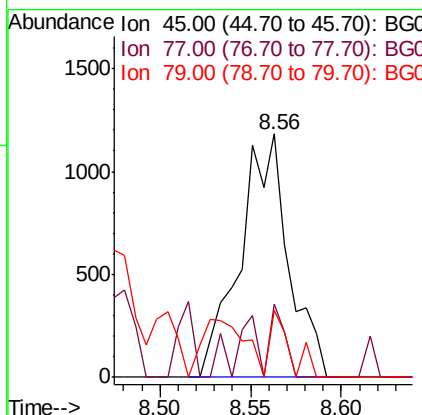
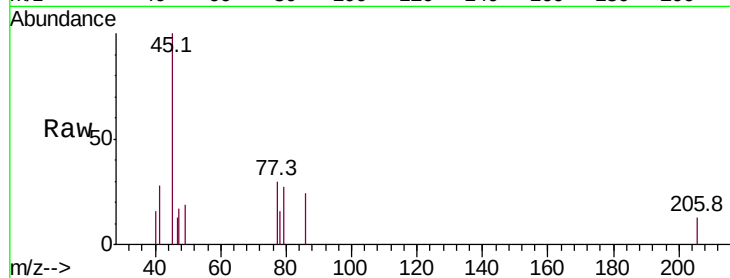
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.089 ng
RT: 8.56 min Scan# 898
Delta R.T. 0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
45	100		
77	30.0	0.0	30.2
79	27.4	0.0	27.9

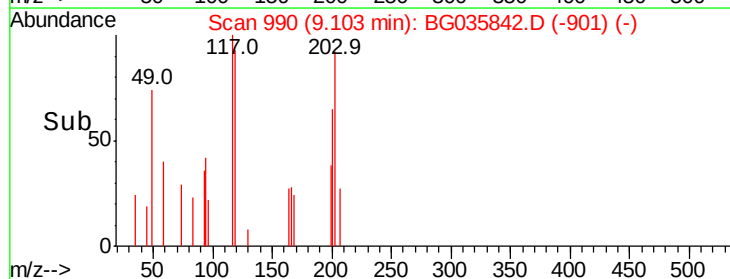
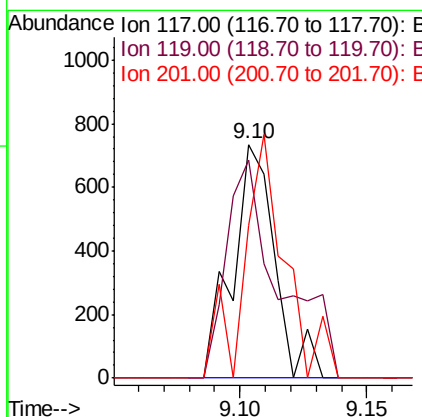
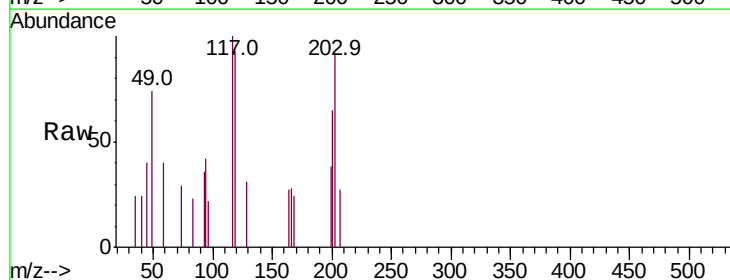
Manual Integrations
APPROVED

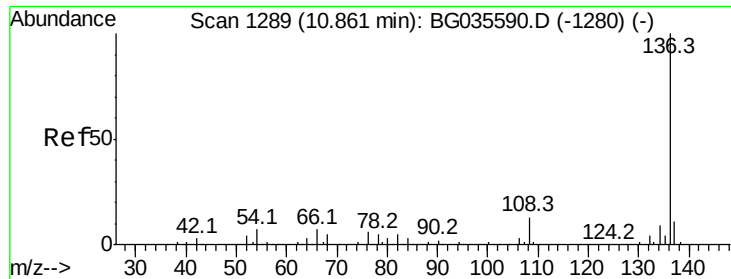
Sohil
7/25/2018 6:34:45 PM



#18
Hexachloroethane
Concen: 0.873 ng
RT: 9.10 min Scan# 990
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
201	65.3	95.7	143.5#





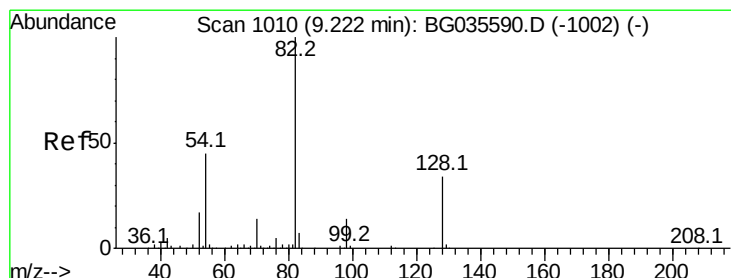
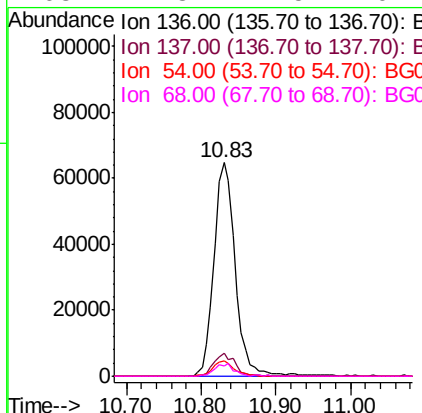
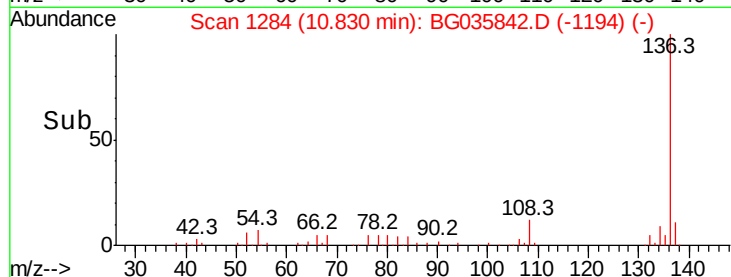
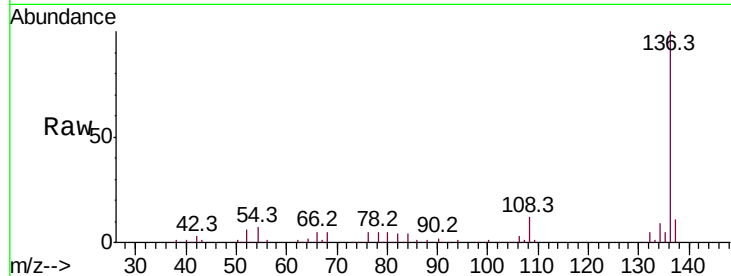
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleID :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.2	13.8	
54	7.1	10.3	15.5	
68	4.8	4.5	6.7	

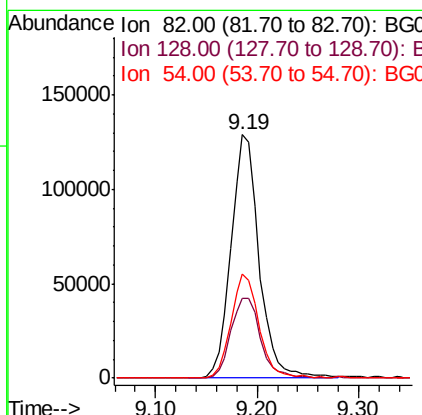
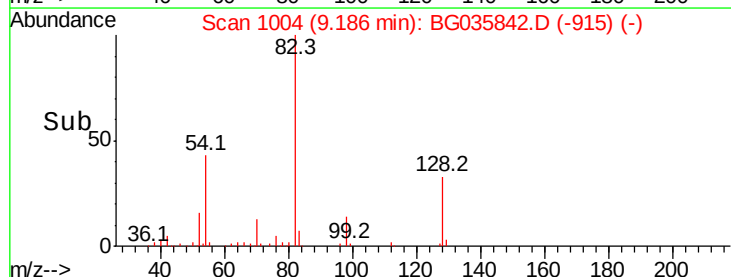
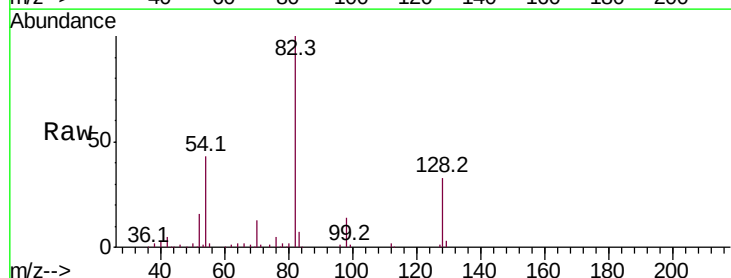
Manual Integrations
APPROVED

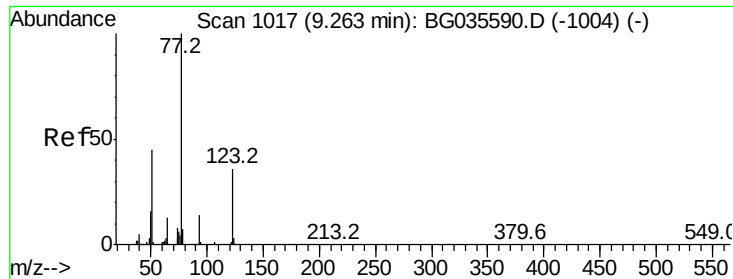
Sohil
7/25/2018 6:34:45 PM



#23
Nitrobenzene-d5
Concen: 80.864 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.7	29.7	44.5	
54	42.9	43.1	64.7	





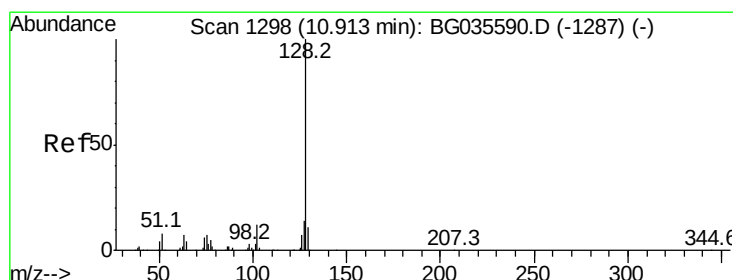
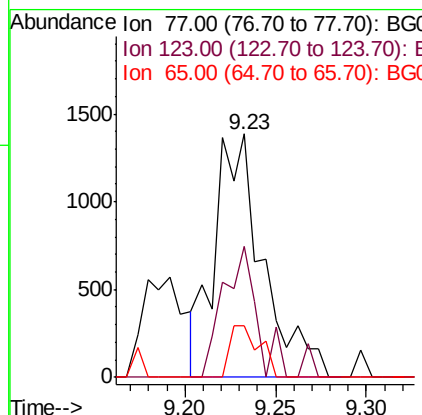
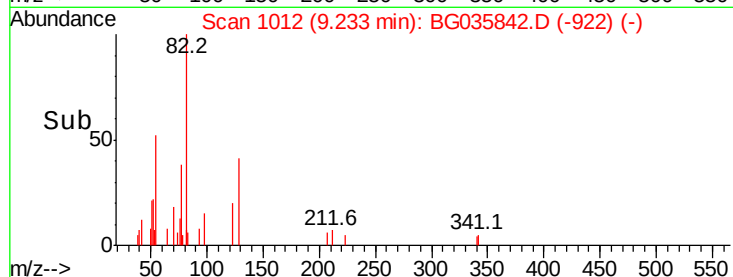
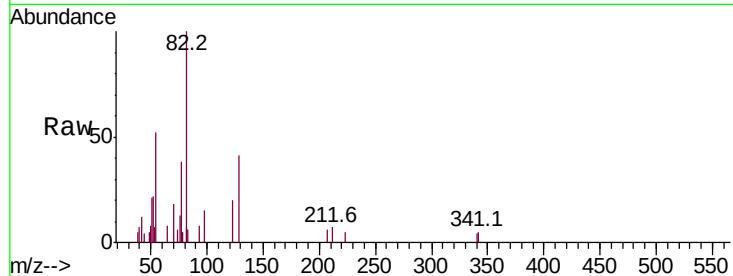
#24
 Nitrobenzene
 Concen: 0.827 ng
 RT: 9.23 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BG035842.D
 Acq: 24 Jul 2018 11:13

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
77	100		
123	54.0	33.0	49.6#
65	21.1	13.0	19.6#

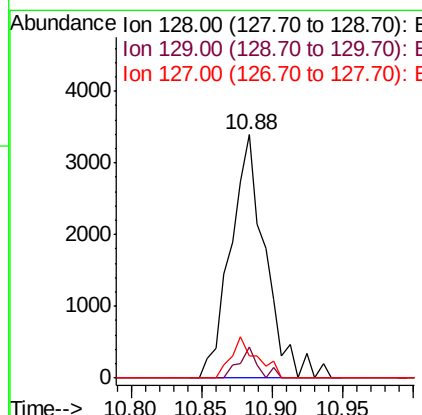
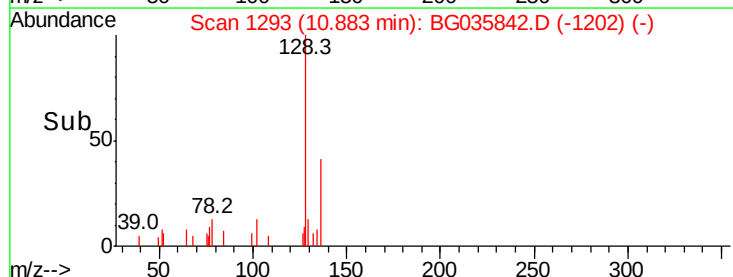
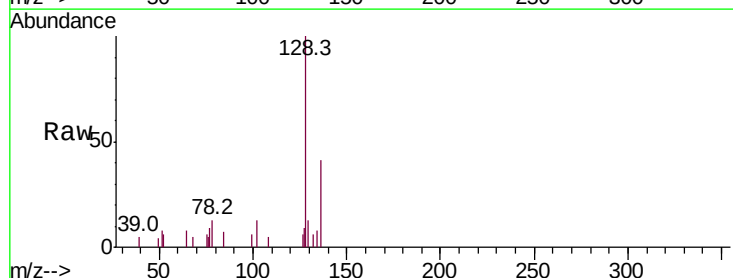
Manual Integrations
 APPROVED

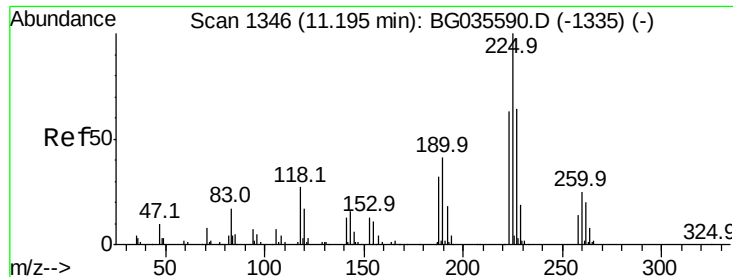
Sohil
 7/25/2018 6:34:45 PM



#31
 Naphthalene
 Concen: 0.874 ng
 RT: 10.88 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: BG035842.D
 Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.6	12.8
127	9.3	11.6	17.4#





#34

Hexachlorobutadiene

Concen: 1.018 ng

RT: 11.17 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

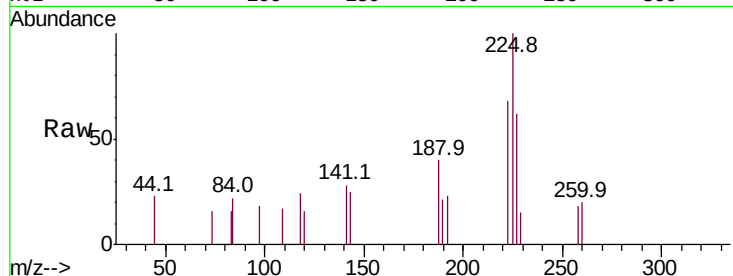
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	225	Resp:	2059
Ion	Ratio	Lower	Upper
225	100		
223	67.8	49.7	74.5
227	61.9	48.1	72.1

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM

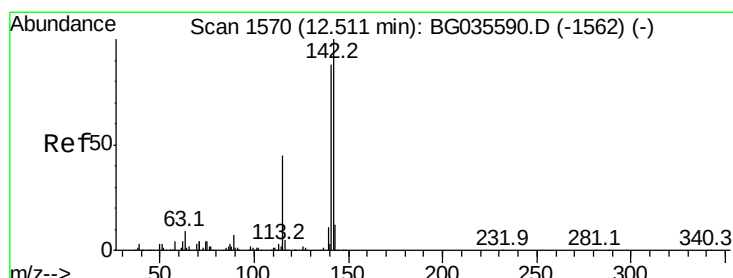
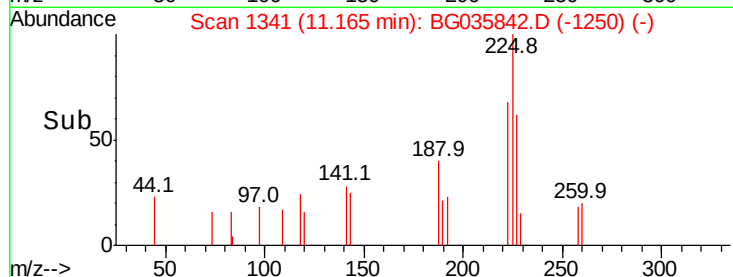
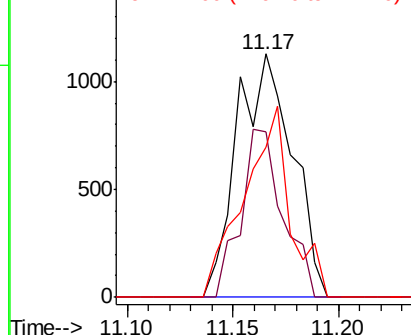


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 0.893 ng

RT: 12.50 min Scan# 1568

Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

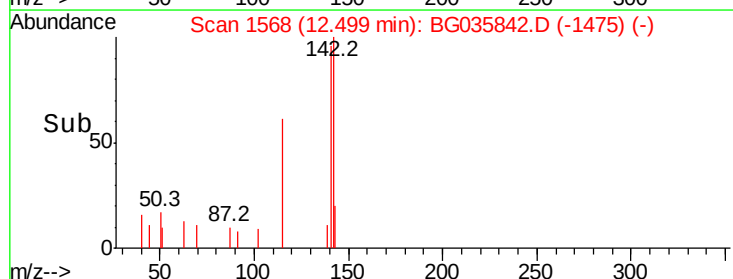
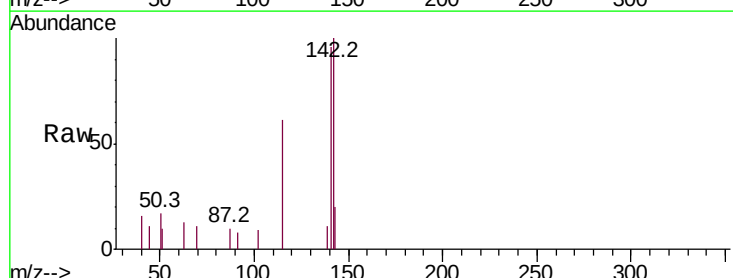
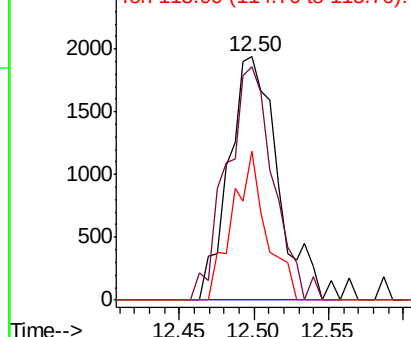
Tgt Ion:	142	Resp:	4441
Ion	Ratio	Lower	Upper
142	100		
141	95.8	67.1	100.7
115	61.4	30.7	46.1#

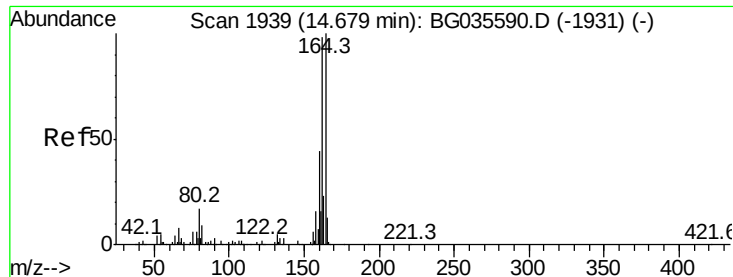
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

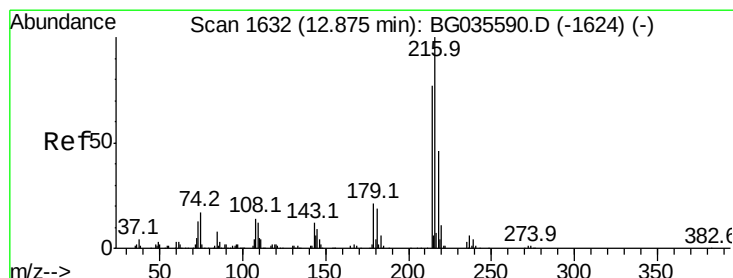
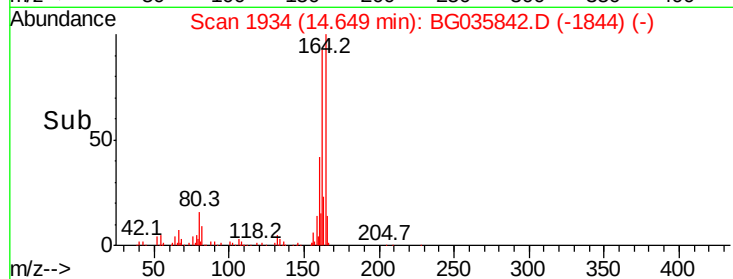
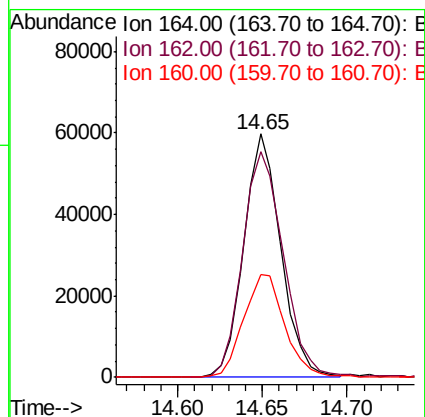
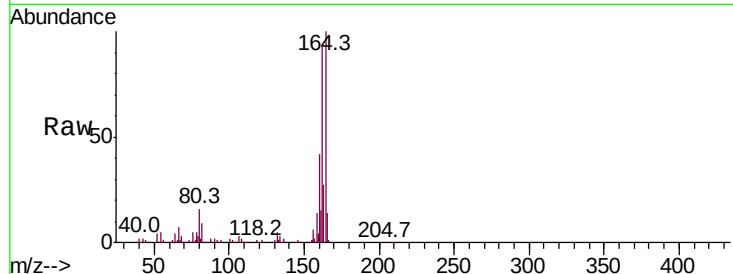
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	164	Resp:	90935
Ion Ratio	Lower	Upper	
164	100		
162	92.8	78.8	118.2
160	42.1	35.4	53.0

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.967 ng

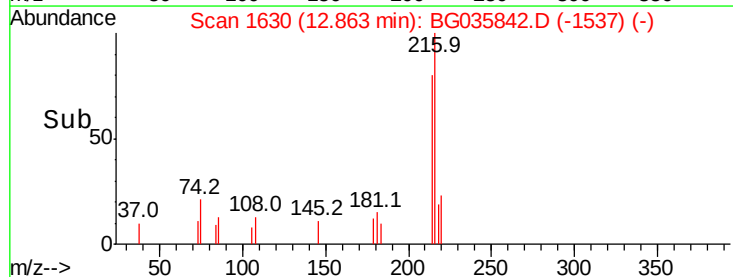
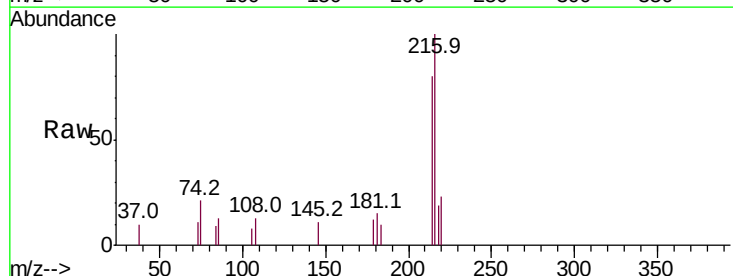
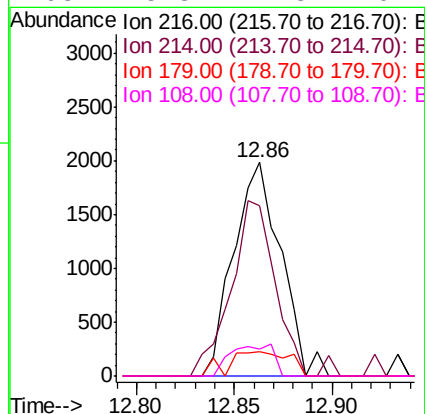
RT: 12.86 min Scan# 1630

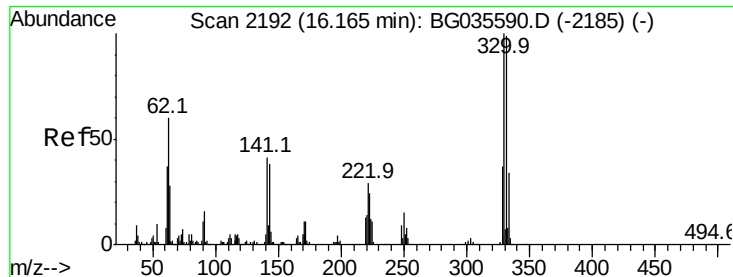
Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	216	Resp:	3318
Ion Ratio	Lower	Upper	
216	100		
214	76.1	63.0	94.4
179	14.8	17.0	25.6
108	13.3	12.8	19.2





#41

2,4,6-Tribromophenol

Concen: 140.177 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

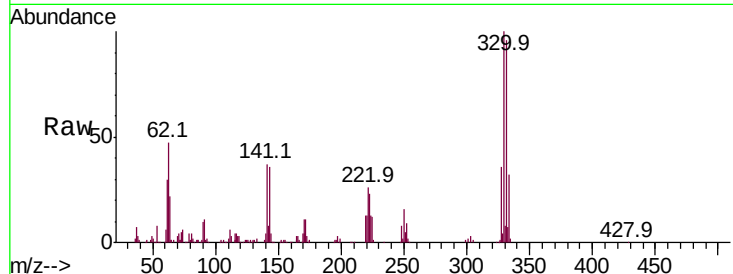
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	330	Resp:	168014
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.0	115.6
141	38.1	25.2	37.8#

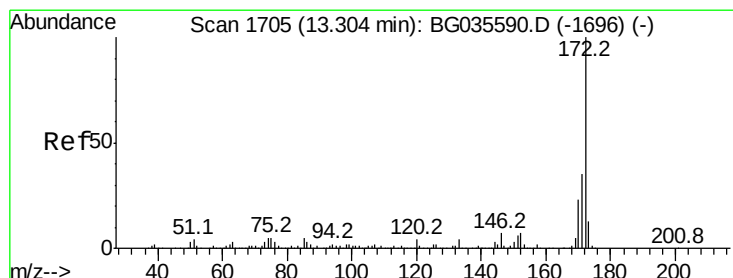
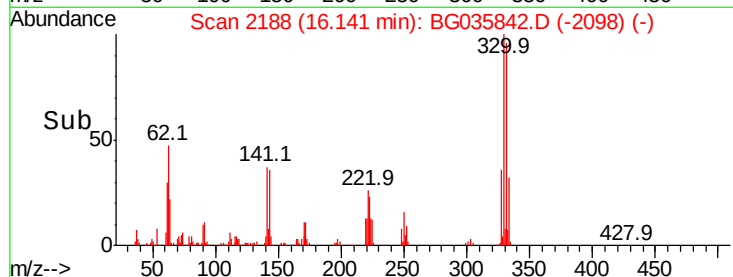
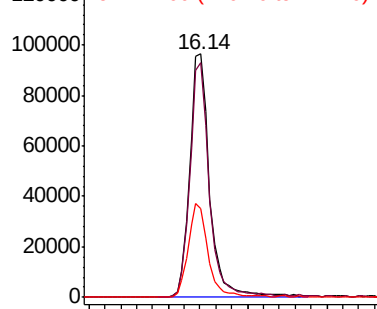
Manual Integrations
APPROVED

Sohil

7/25/2018 6:34:45 PM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 88.895 ng

RT: 13.27 min Scan# 1700

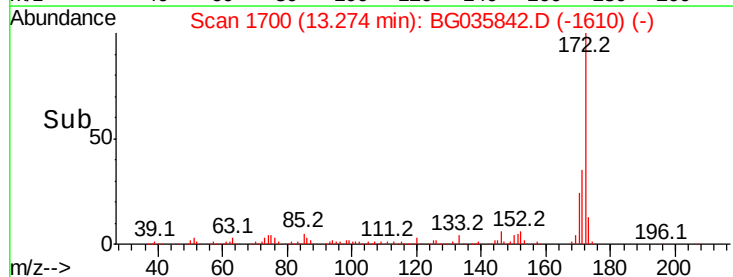
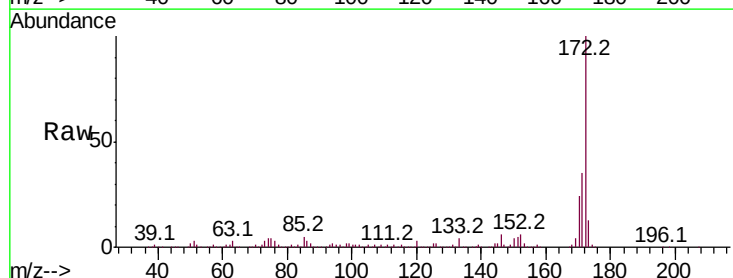
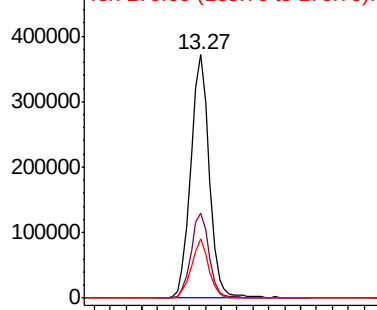
Delta R.T. -0.00 min

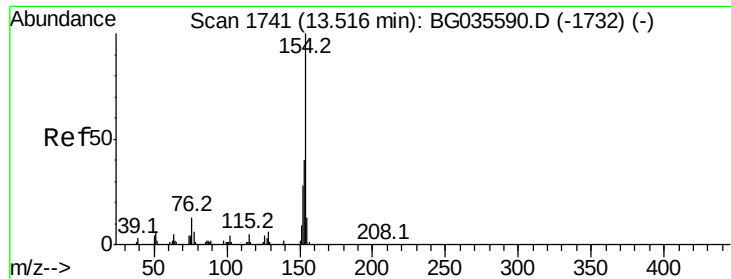
Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	172	Resp:	603376
Ion Ratio	Lower	Upper	
172	100		
171	34.6	30.0	45.0
170	24.2	19.5	29.3

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





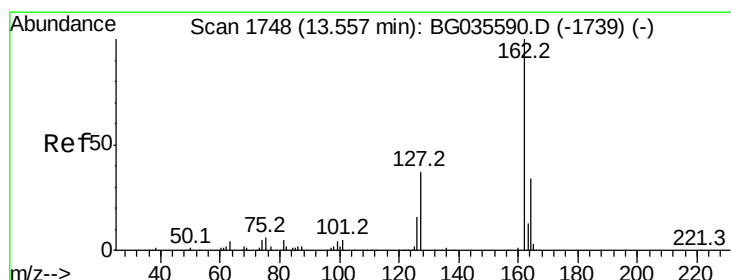
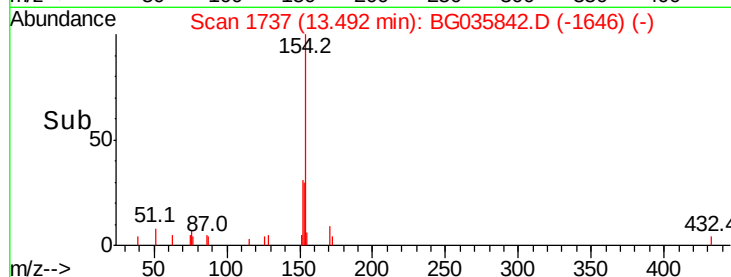
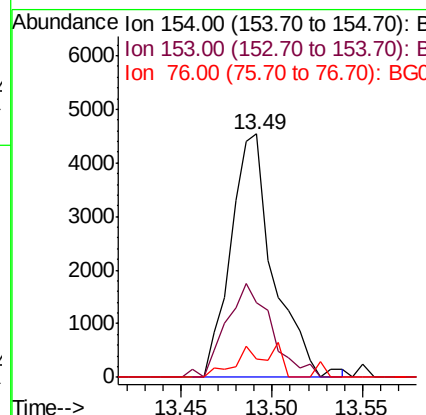
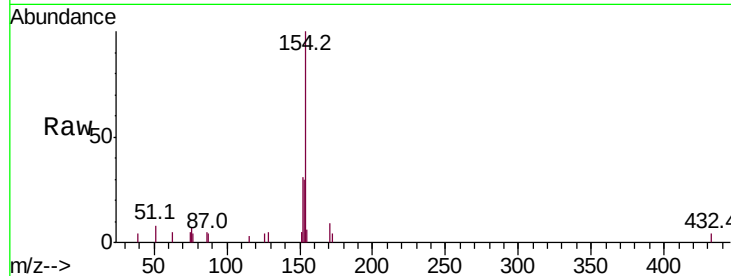
#45
 1,1'-Biphenyl
 Concen: 1.049 ng
 RT: 13.49 min Scan# 1737
 Delta R.T. 0.01 min
 Lab File: BG035842.D
 Acq: 24 Jul 2018 11:13

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	30.5	19.8	59.8
76	7.3	0.0	31.9

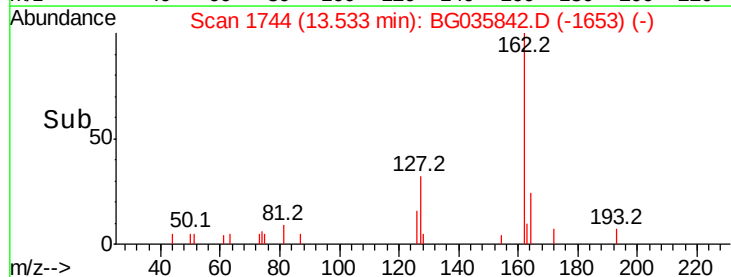
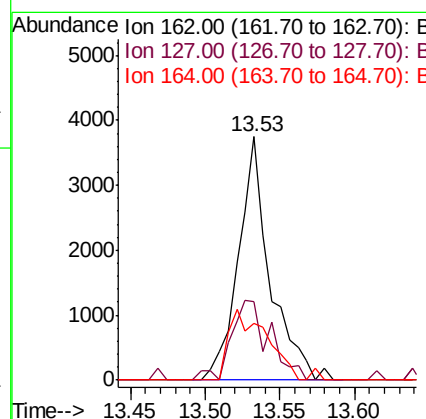
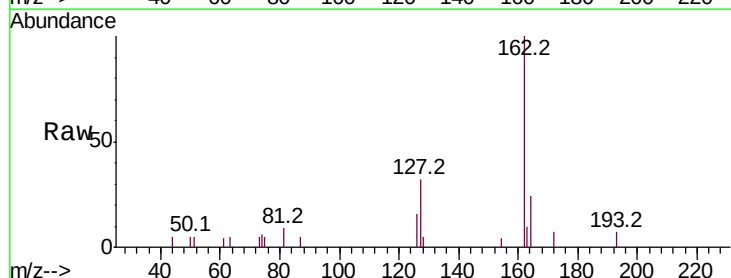
Manual Integrations
 APPROVED

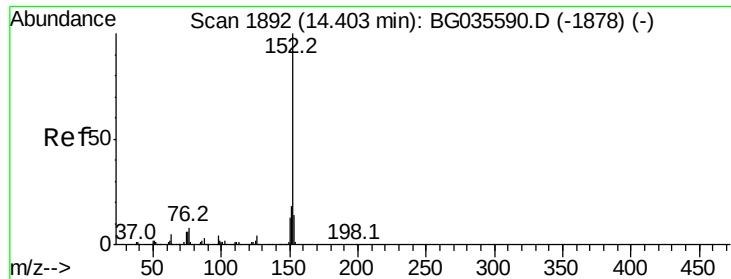
Sohil
 7/25/2018 6:34:45 PM



#46
 2-Chloronaphthalene
 Concen: 1.007 ng
 RT: 13.53 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: BG035842.D
 Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
162	100		
127	32.0	30.7	46.1
164	23.5	26.0	39.0#





#48

Acenaphthylene

Concen: 0.953 ng

RT: 14.38 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

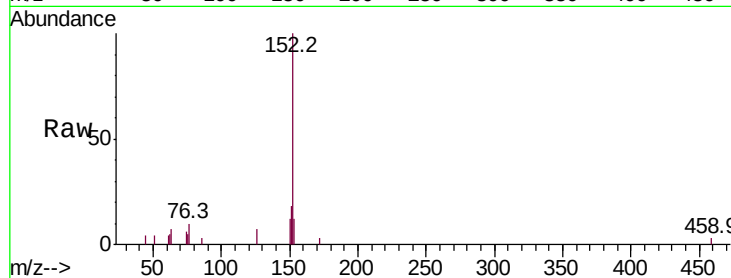
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

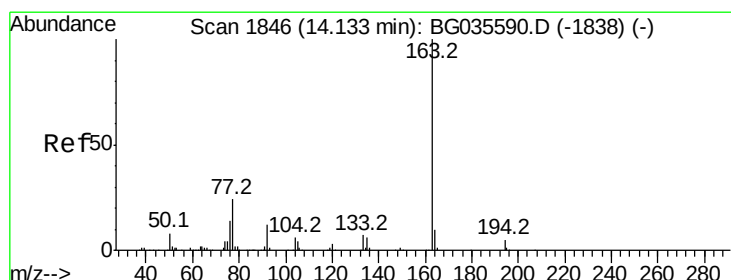
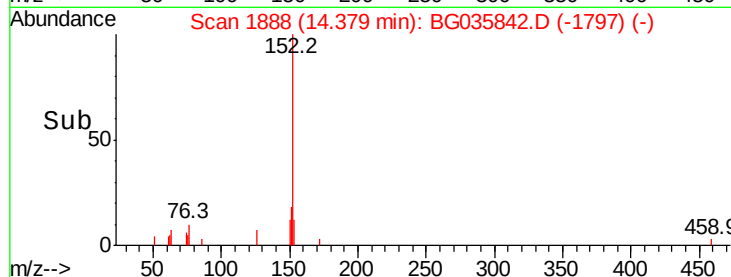
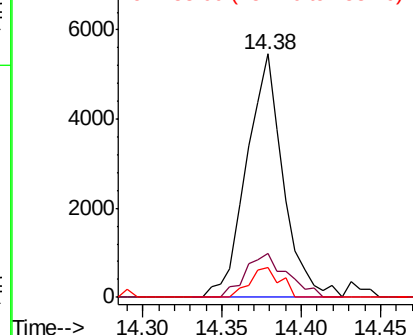
Tot Ion:	152	Resp:	8755
Ion Ratio	Lower	Upper	
152	100		
151	18.0	17.2	25.8
153	12.5	10.2	15.4

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.860 ng

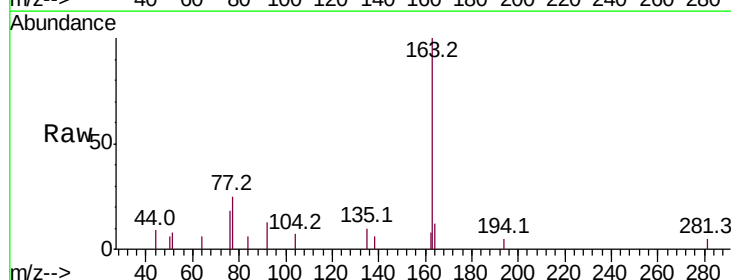
RT: 14.11 min Scan# 1842

Delta R.T. 0.01 min

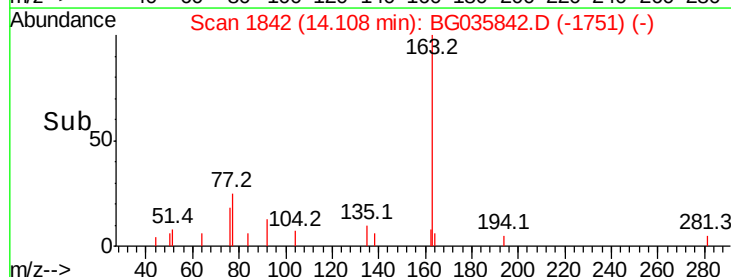
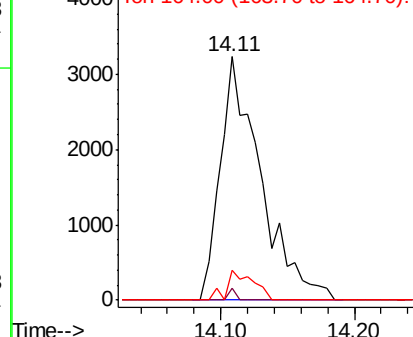
Lab File: BG035842.D

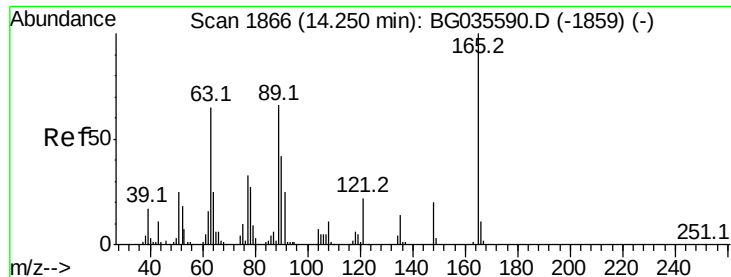
Acq: 24 Jul 2018 11:13

Tgt Ion:	163	Resp:	6852
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.2
164	12.1	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





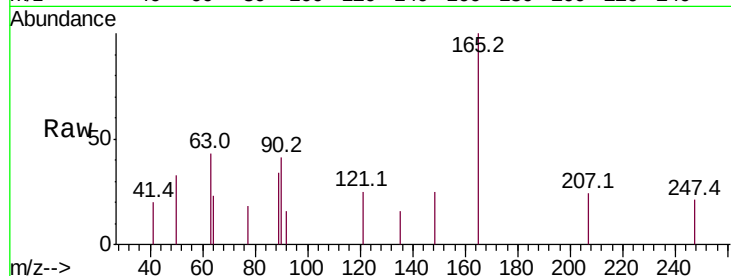
#50
2,6-Dinitrotoluene
Concen: 0.736 ng
RT: 14.24 min Scan# 1865
Delta R.T. 0.02 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

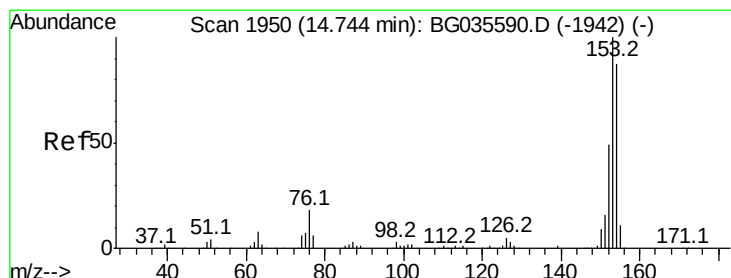
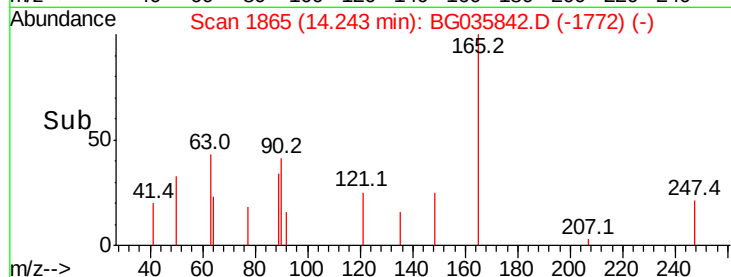
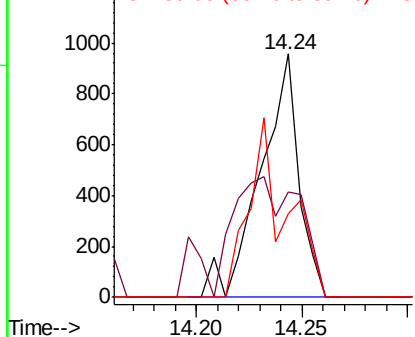
Tot Ion	Ratio	Lower	Upper
165	100		
63	43.3	52.7	79.1#
89	34.5	49.2	73.8#

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



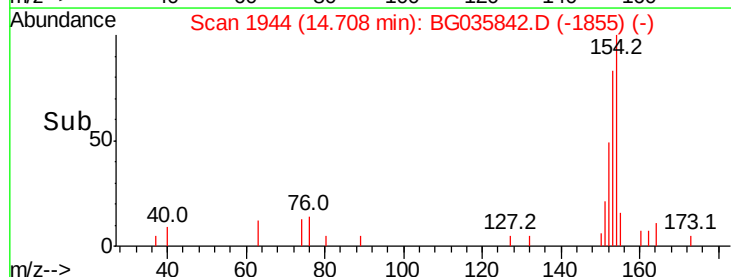
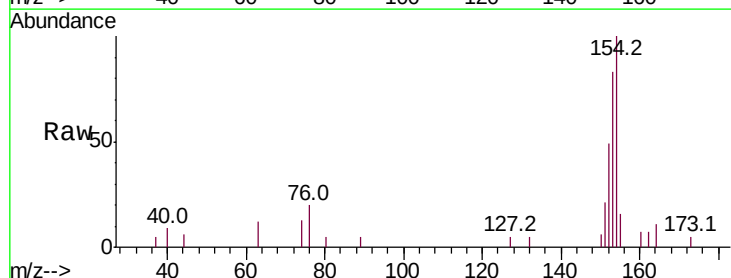
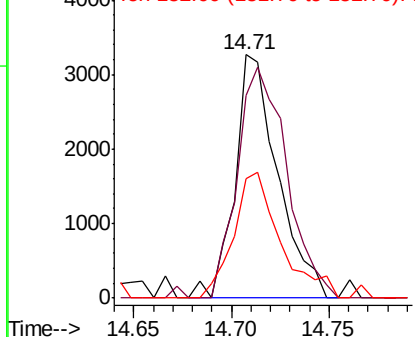
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

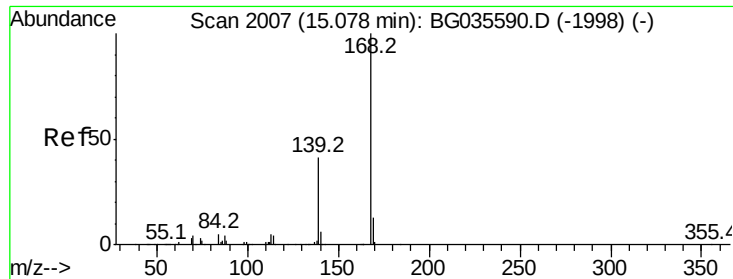


#51
Acenaphthene
Concen: 0.865 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	83.4	90.4	135.6#
152	48.9	41.6	62.4

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





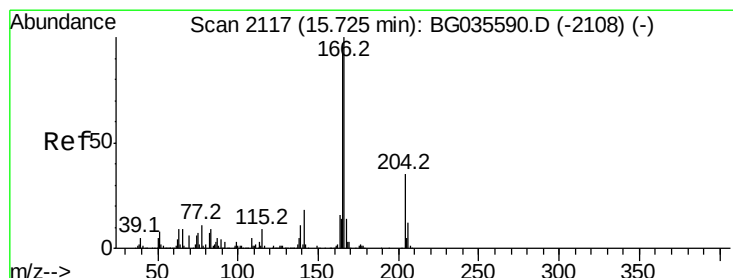
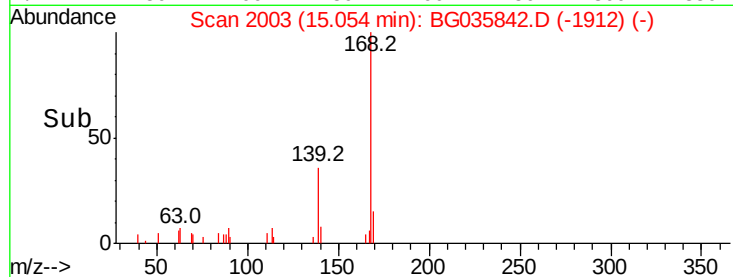
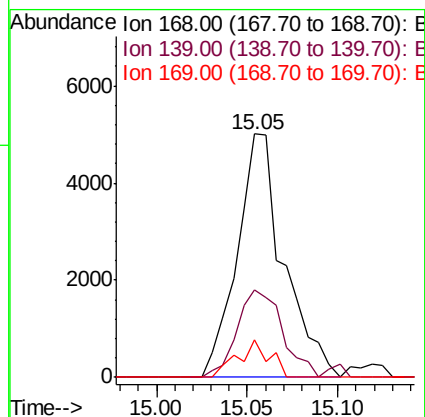
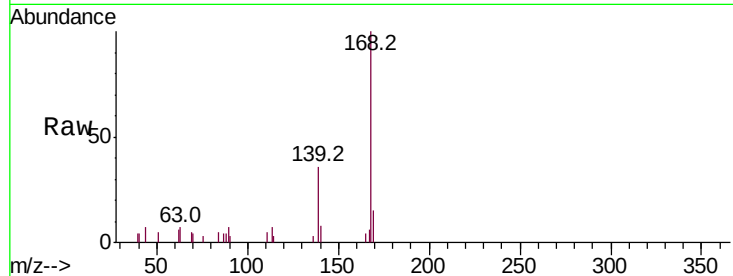
#54
Dibenzenofuran
Concen: 0.984 ng
RT: 15.05 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	168	Resp:	8955
Ion Ratio	Lower	Upper	
168	100		
139	35.8	28.6	43.0
169	15.2	11.2	16.8

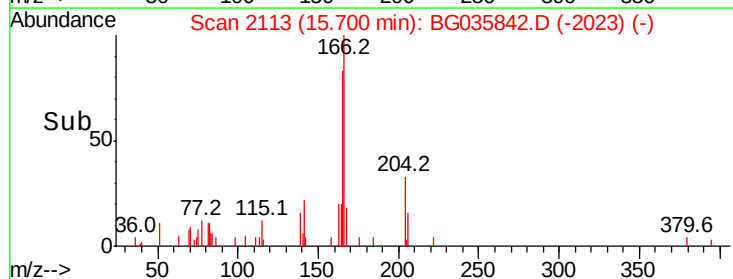
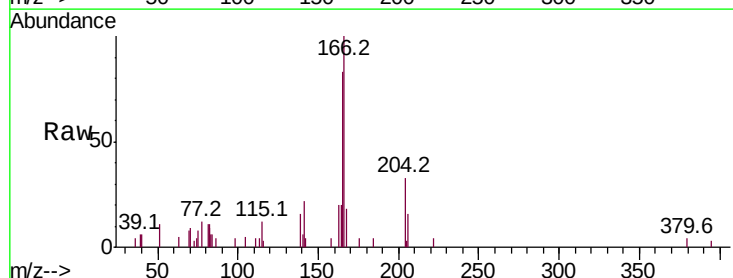
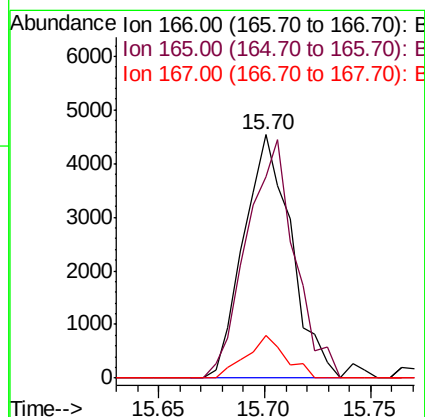
Manual Integrations
APPROVED

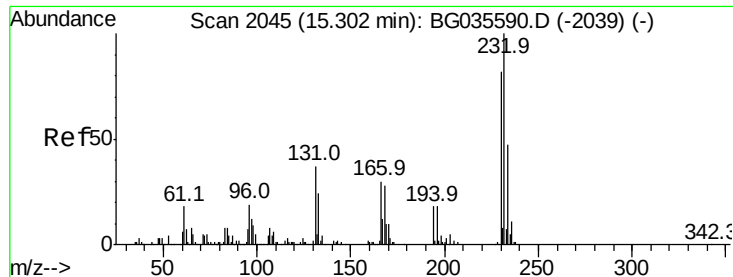
Sohil
7/25/2018 6:34:45 PM



#57
Fluorene
Concen: 0.928 ng
RT: 15.70 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion:	166	Resp:	7080
Ion Ratio	Lower	Upper	
166	100		
165	82.8	80.6	121.0
167	17.6	10.4	15.6#





#58

2,3,4,6-Tetrachlorophenol

Concen: 0.554 ng

RT: 15.30 min Scan# 2045

Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

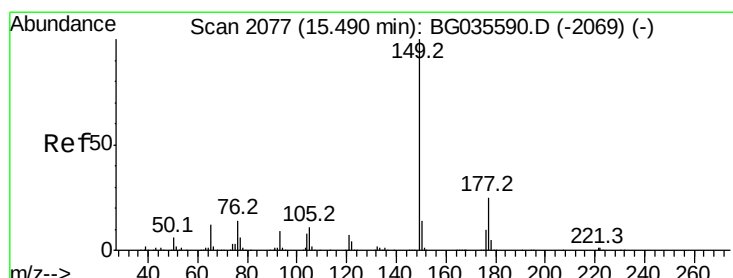
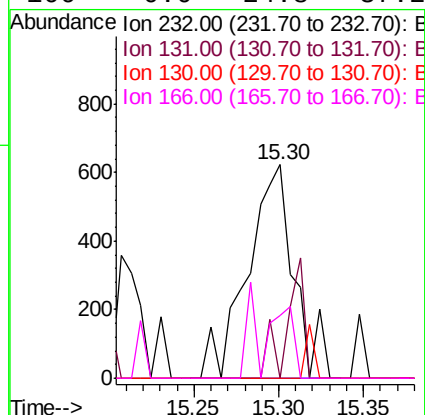
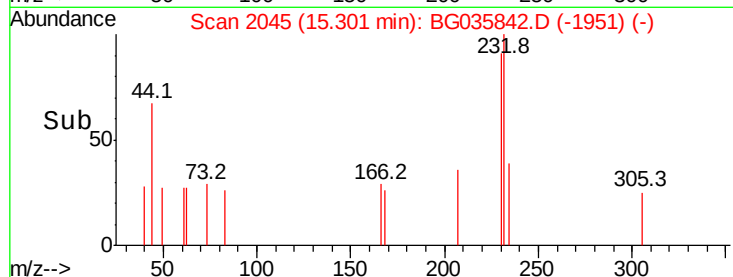
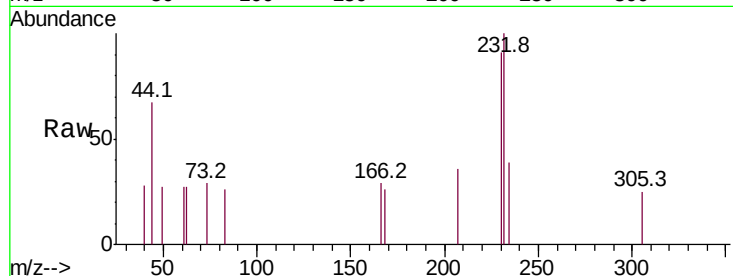
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
232	100		
131	21.7	33.5	50.3#
130	4.6	2.2	3.2#
166	0.0	24.8	37.2#

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#59

Diethylphthalate

Concen: 0.837 ng

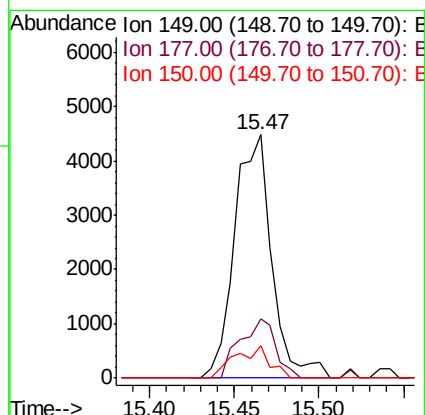
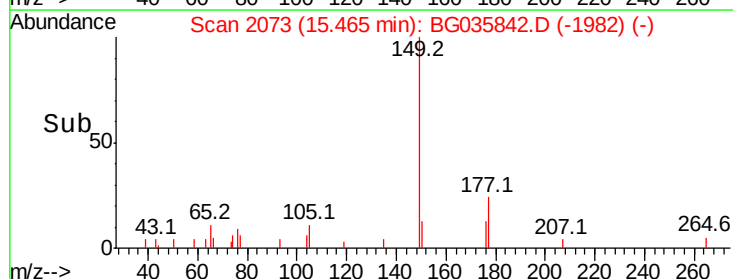
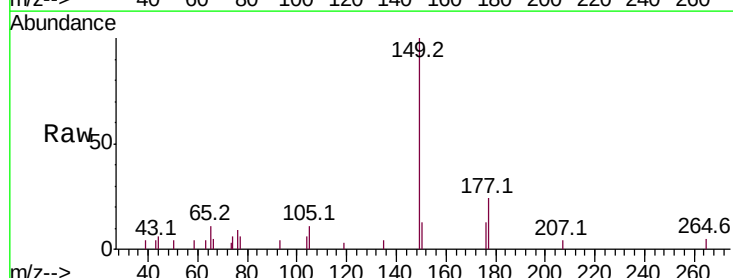
RT: 15.47 min Scan# 2073

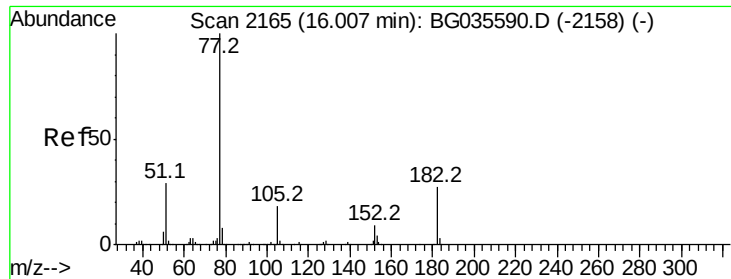
Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.2	18.5	27.7
150	13.0	10.2	15.2





#62

Azobenzene

Concen: 0.844 ng

RT: 15.98 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BG035842.D

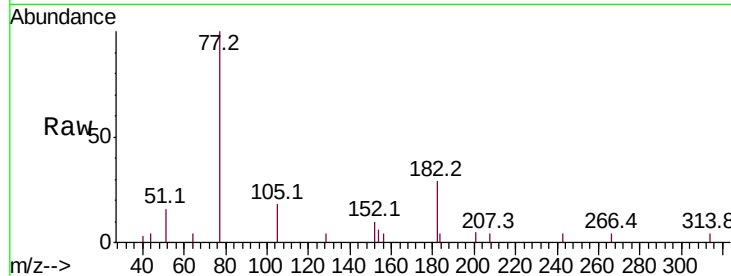
Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018



Tot Ion: 77 Resp: 6819

Ion Ratio Lower Upper

77 100

182 28.8 7.4 47.4

105 18.0 0.3 40.3

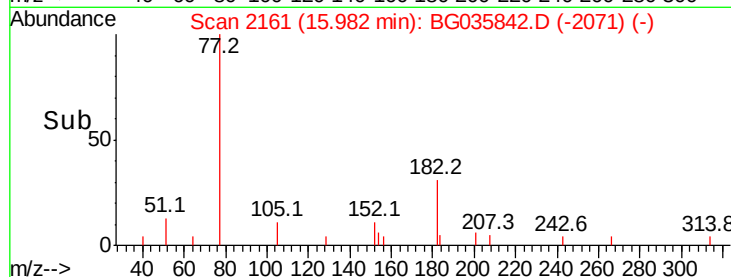
51 15.7 11.6 51.6

Manual Integrations

APPROVED

Sohil

7/25/2018 6:34:45 PM

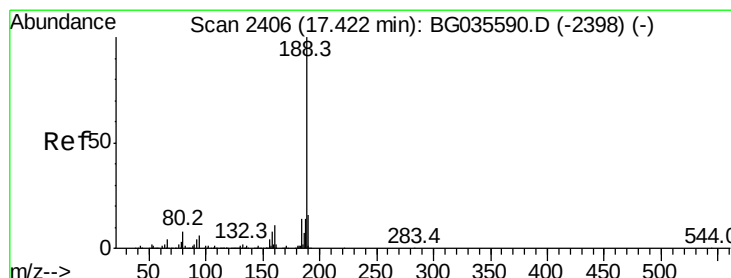
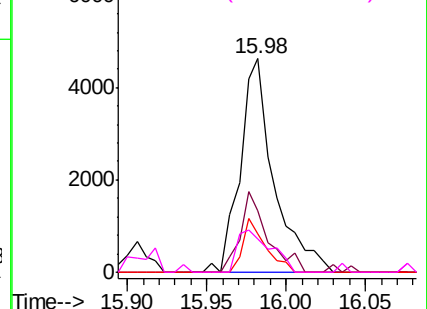


Abundance Ion 77.00 (76.70 to 77.70): BG035590.D (-2158) (-)

Ion 182.00 (181.70 to 182.70): BG035590.D (-2158) (-)

Ion 105.00 (104.70 to 105.70): BG035590.D (-2158) (-)

Ion 51.00 (50.70 to 51.70): BG035590.D (-2158) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

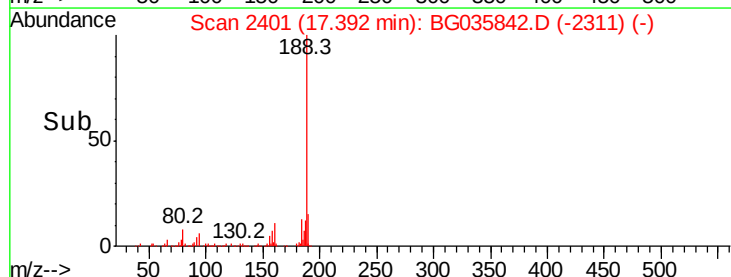
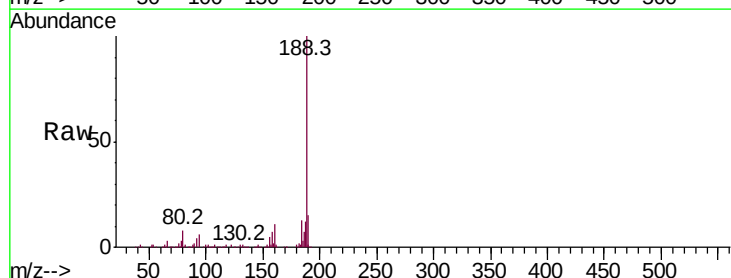
Tgt Ion: 188 Resp: 262282

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

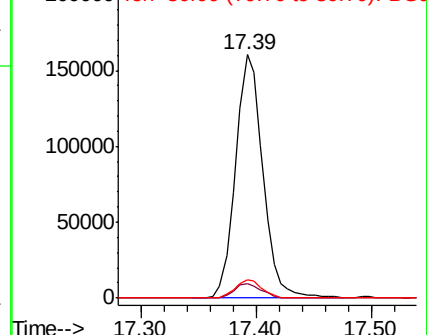
80 7.7 7.7 11.5#

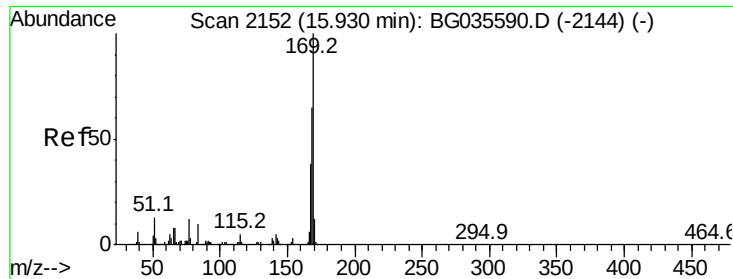


Abundance Ion 188.00 (187.70 to 188.70): BG035590.D (-2398) (-)

Ion 94.00 (93.70 to 94.70): BG035590.D (-2398) (-)

Ion 80.00 (79.70 to 80.70): BG035590.D (-2398) (-)





#65

n-Nitrosodiphenylamine

Concen: 0.809 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

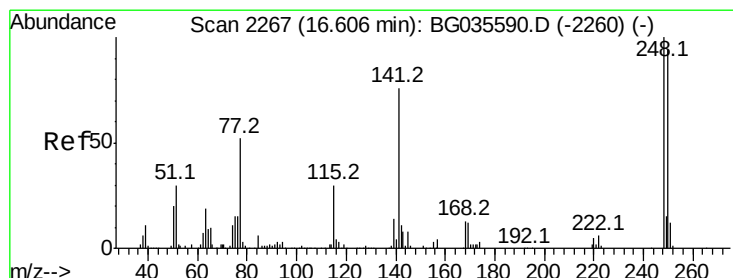
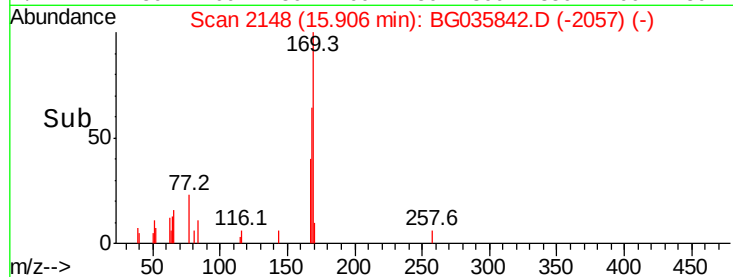
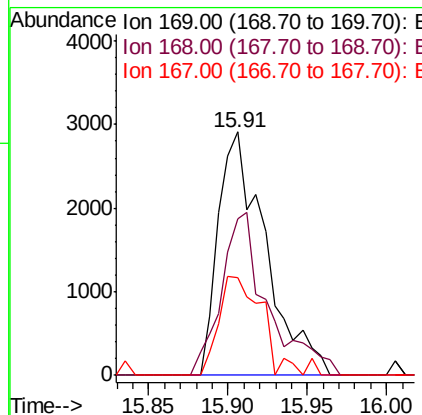
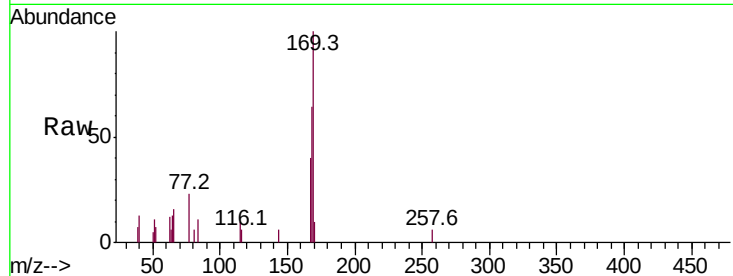
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	169	Resp:	6036
Ion Ratio	Lower	Upper	
169	100		
168	64.2	55.7	83.5
167	40.4	30.1	45.1

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#66

4-Bromophenyl-phenylether

Concen: 0.780 ng

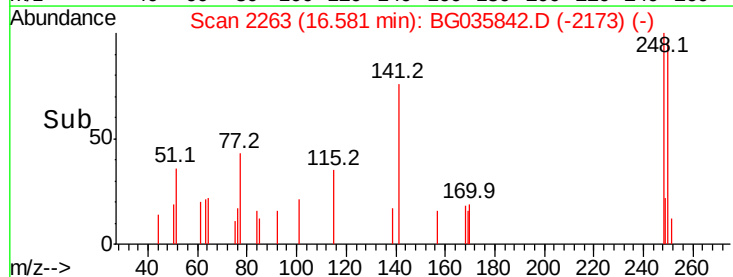
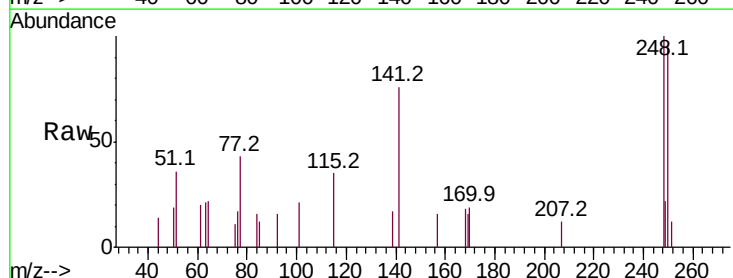
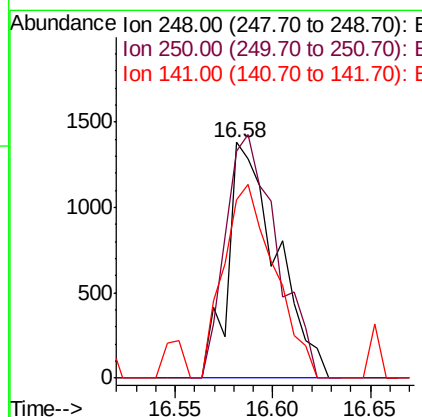
RT: 16.58 min Scan# 2263

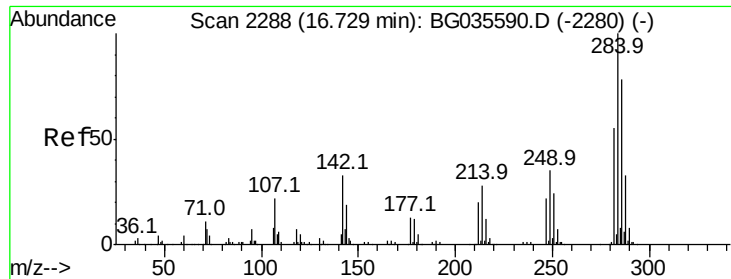
Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	248	Resp:	2373
Ion Ratio	Lower	Upper	
248	100		
250	96.3	77.1	115.7
141	75.7	50.8	76.2





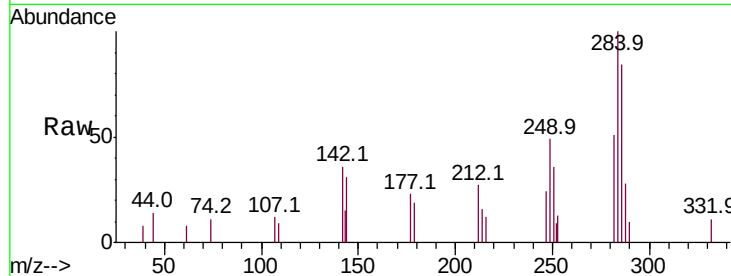
#67
Hexachlorobenzene
Concen: 0.862 ng
RT: 16.70 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100	2701		
142	35.8	26.8	40.2	
249	48.7	26.3	39.5	

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM

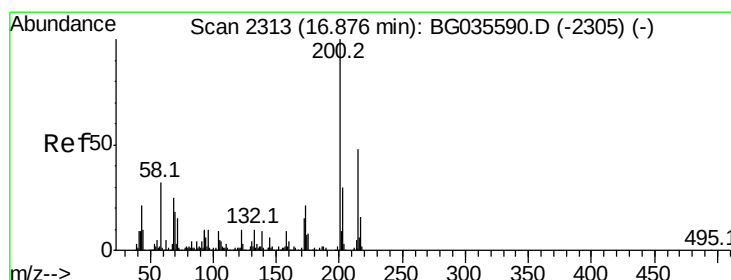
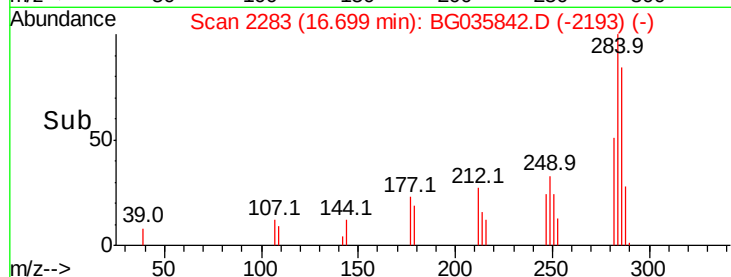
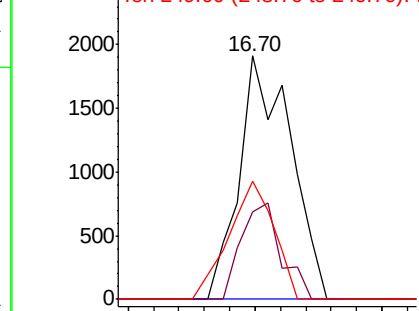


Abundance

Ion 283.80 (283.50 to 284.50): E

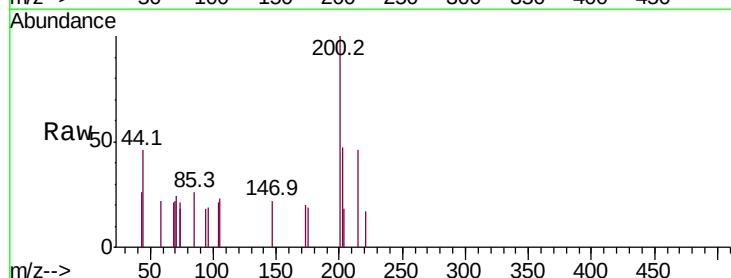
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68
Atrazine
Concen: 0.537 ng
RT: 16.87 min Scan# 2312
Delta R.T. 0.02 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	1650		
173	20.3	5.2	45.2	
215	45.5	30.4	70.4	

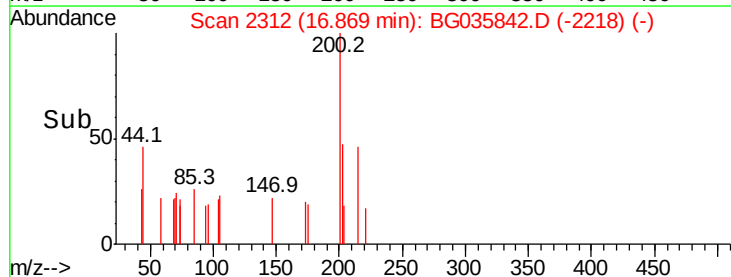
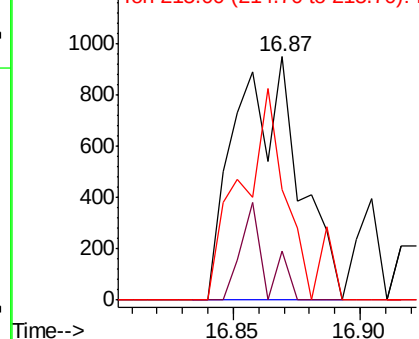


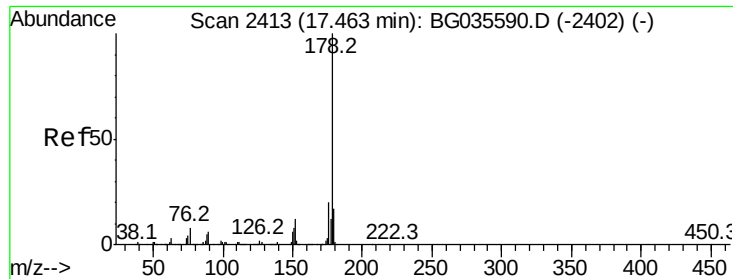
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





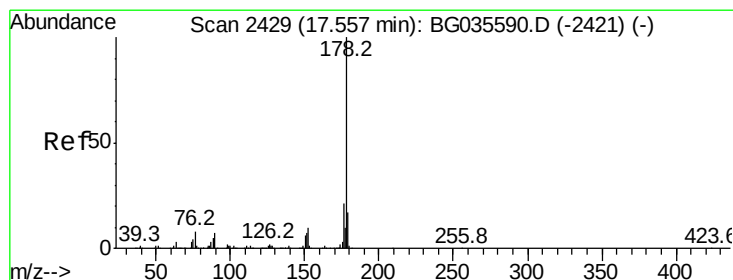
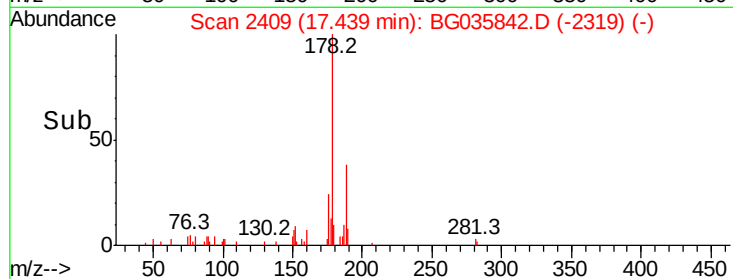
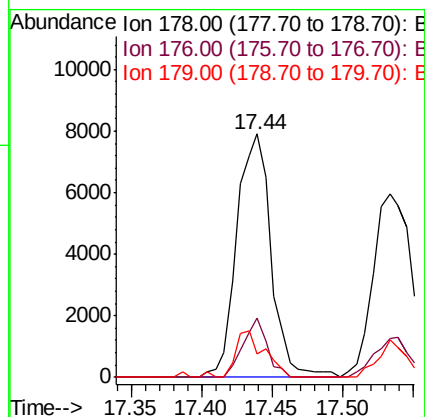
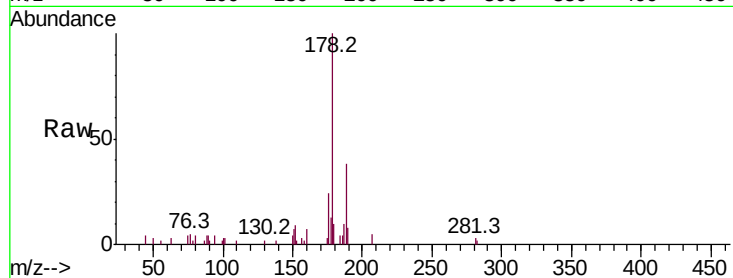
#70
Phenanthrene
Concen: 1.025 ng
RT: 17.44 min Scan# 2409
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	24.3	15.7	23.5#
179	9.6	12.5	18.7#

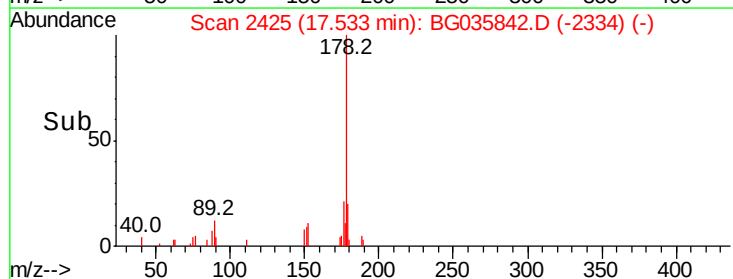
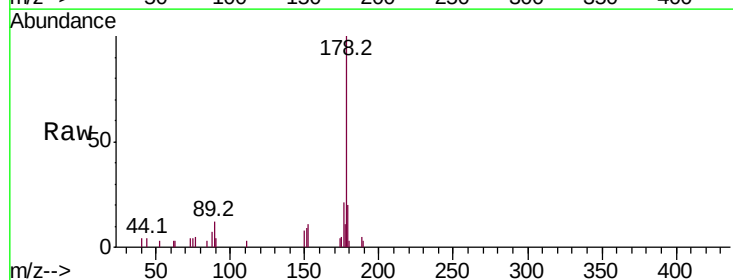
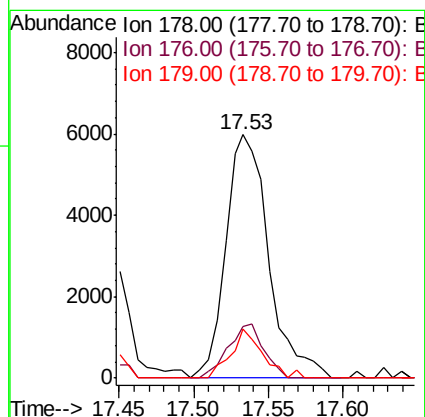
Manual Integrations
APPROVED

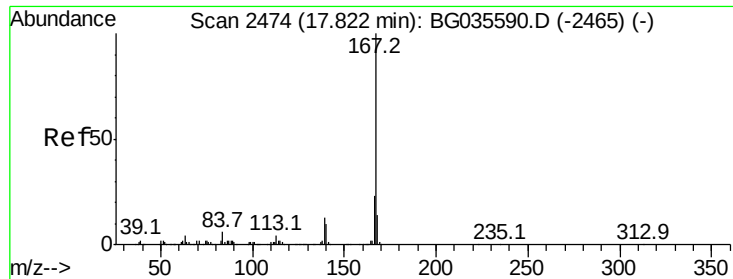
Sohil
7/25/2018 6:34:45 PM



#71
Anthracene
Concen: 0.918 ng
RT: 17.53 min Scan# 2425
Delta R.T. 0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.4	16.0	24.0
179	20.3	12.5	18.7#





#72

Carbazole

Concen: 0.741 ng

RT: 17.82 min Scan# 2474

Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

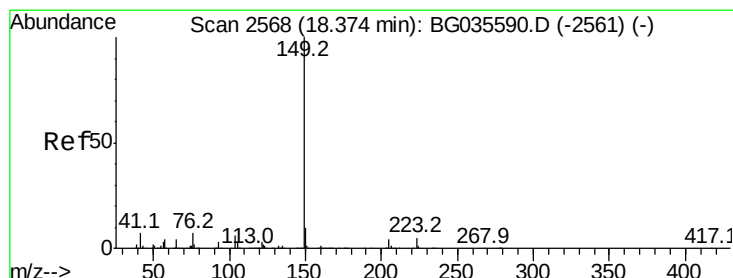
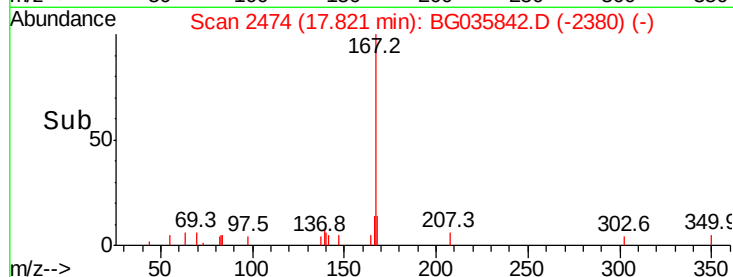
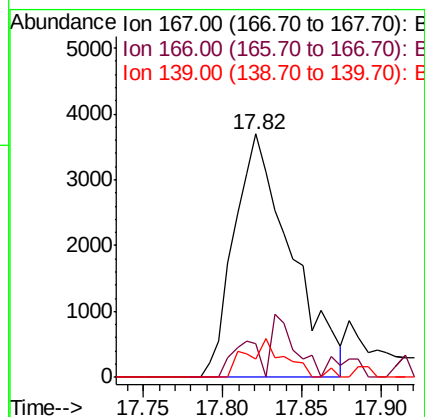
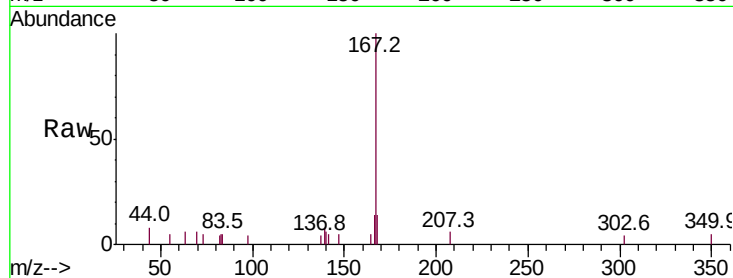
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	167	Resp:	9175
Ion Ratio	Lower	Upper	
167	100		
166	14.0	18.2	27.4#
139	7.6	9.4	14.2#

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#73

Di-n-butylphthalate

Concen: 0.751 ng

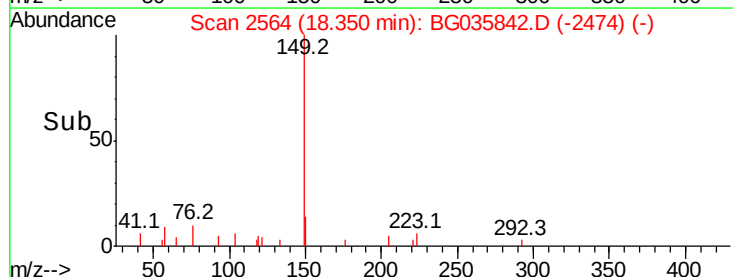
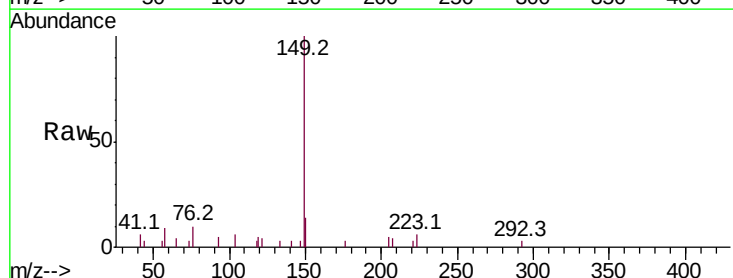
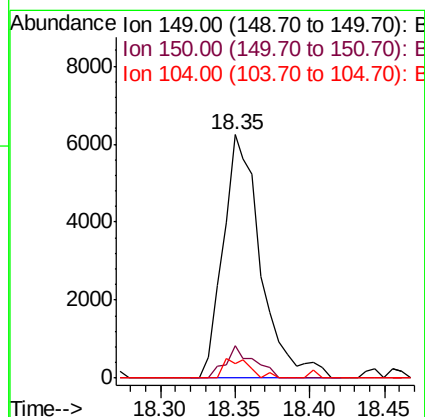
RT: 18.35 min Scan# 2564

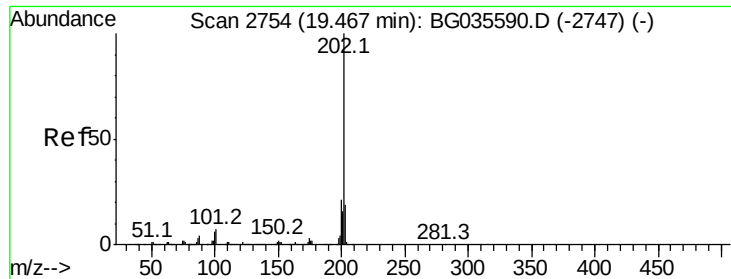
Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	149	Resp:	10984
Ion Ratio	Lower	Upper	
149	100		
150	13.5	7.8	11.6#
104	6.0	3.9	5.9#





#74

Fluoranthene

Concen: 0.926 ng

RT: 19.45 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

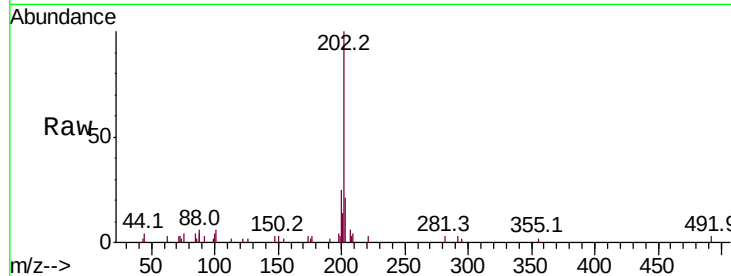
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

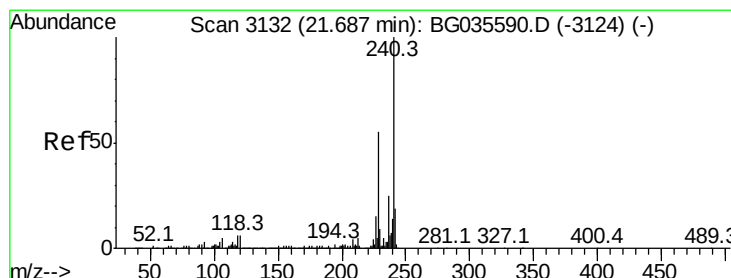
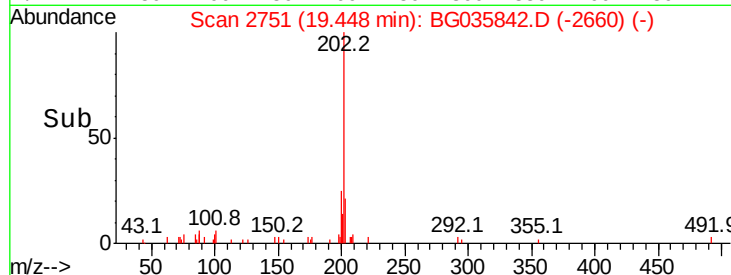
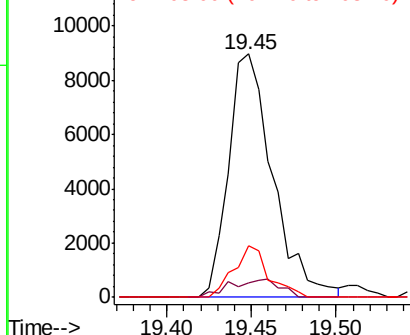
Tot Ion	Ratio	Resp	Lower	Upper
202	100	16319		
101	5.9		0.0	28.9
203	21.2		0.0	37.5

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

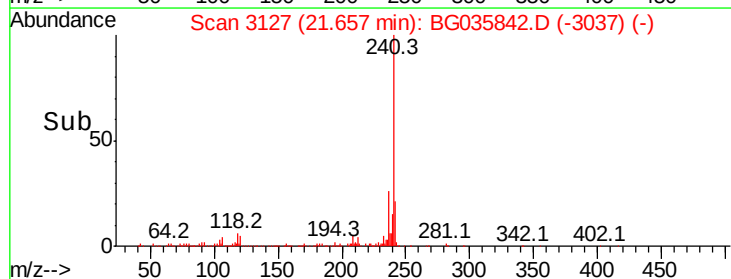
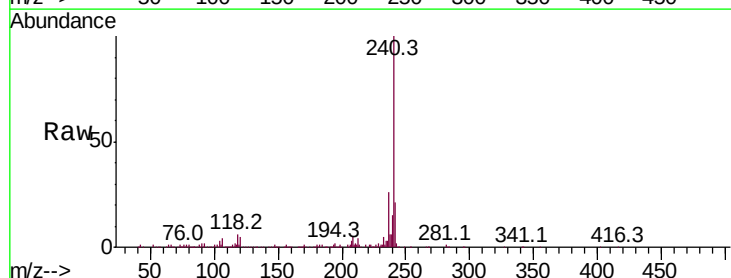
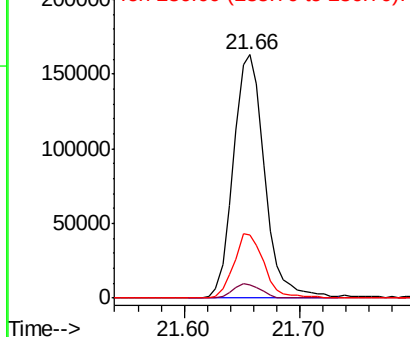
Delta R.T. -0.00 min

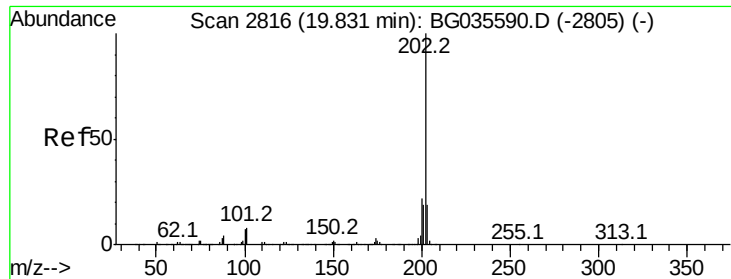
Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	305084		
120	5.3		6.8	10.2#
236	26.1		20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





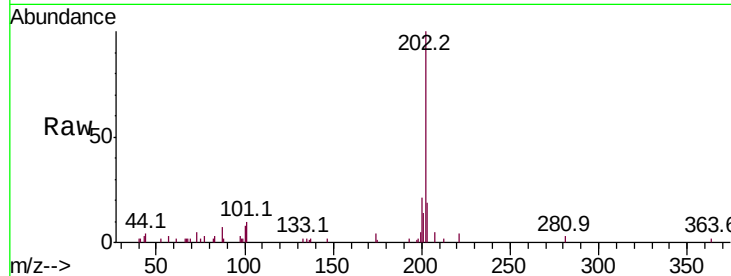
#77
Pvrene
Concen: 0.858 ng
RT: 19.81 min Scan# 2812
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.6	13.9	20.9

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM

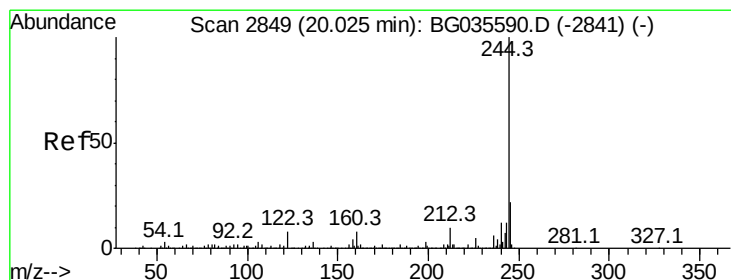
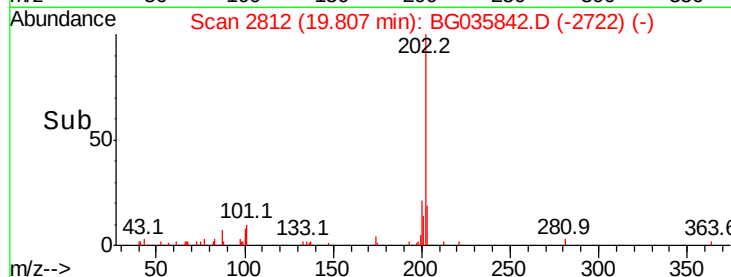
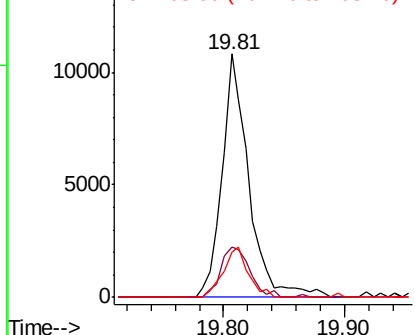


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 102.530 ng
RT: 20.00 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

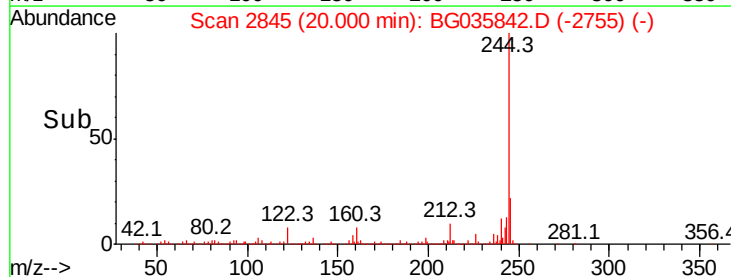
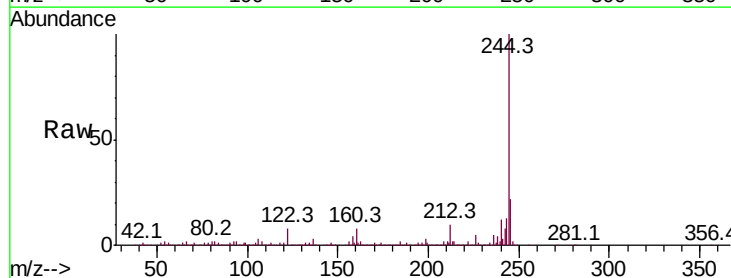
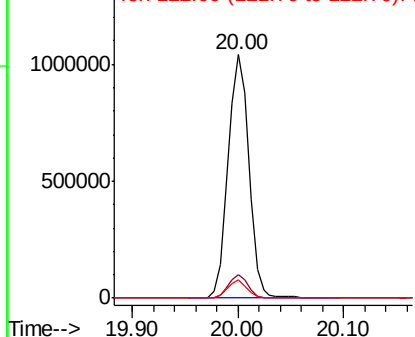
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	7.6	7.0	10.4

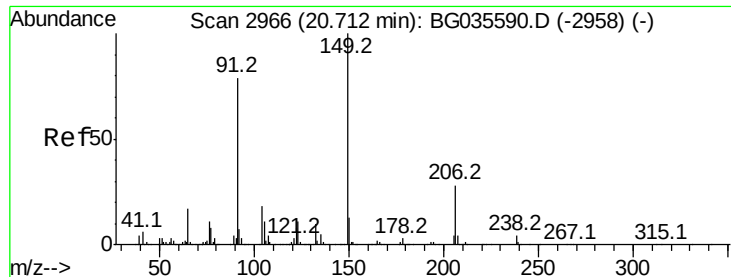
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





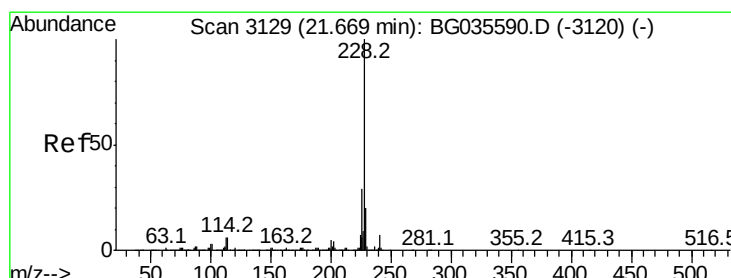
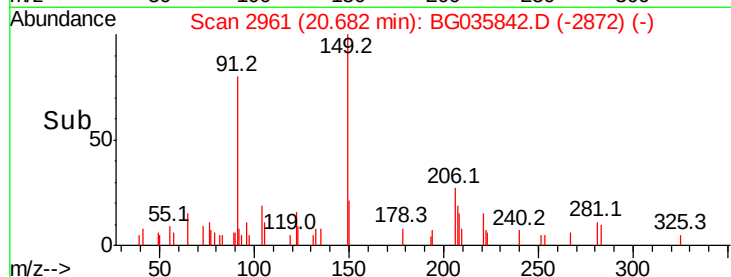
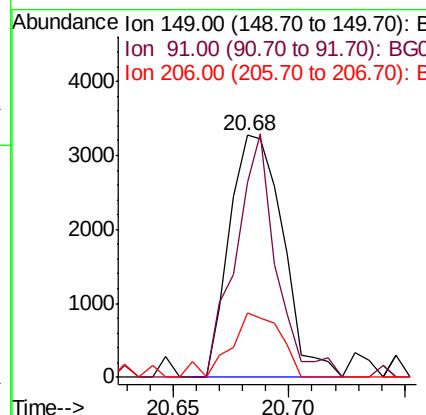
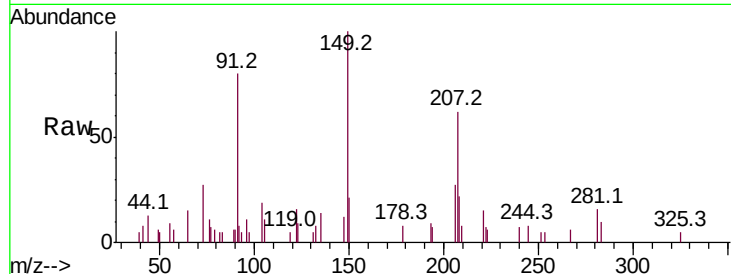
#79
Butylbenzylphthalate
Concen: 0.762 ng
RT: 20.68 min Scan# 2961
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
149	100		
91	80.5	62.2	93.2
206	26.6	18.6	27.8

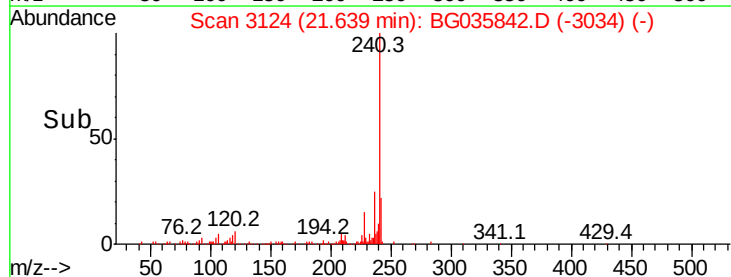
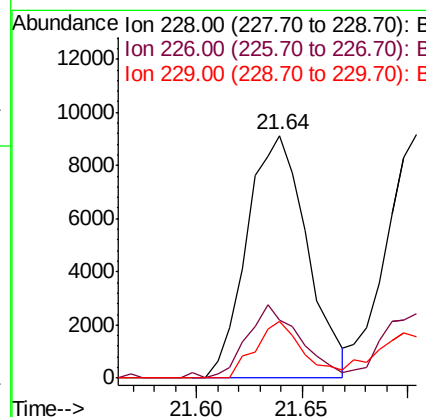
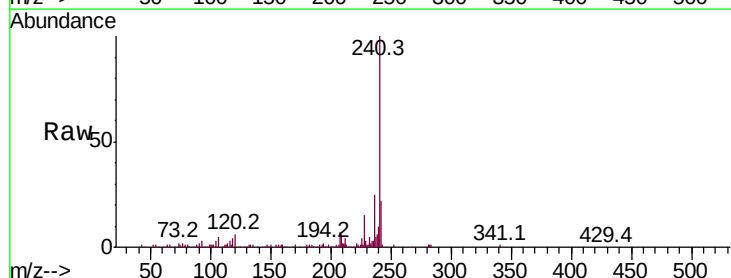
Manual Integrations
APPROVED

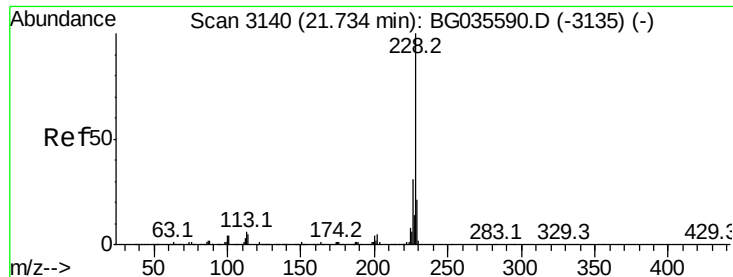
Sohil
7/25/2018 6:34:45 PM



#80
Benzo(a)anthracene
Concen: 0.948 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.9	22.7	34.1
229	23.2	16.2	24.2





#82

Chrysene

Concen: 1.005 ng

RT: 21.70 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

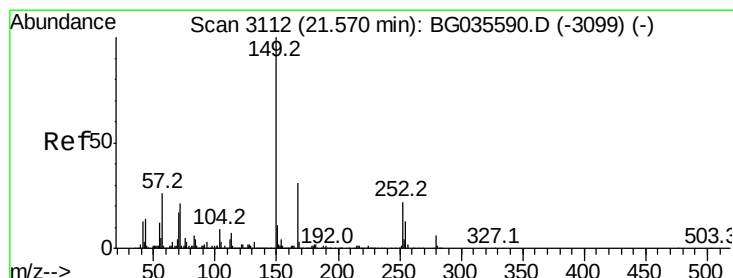
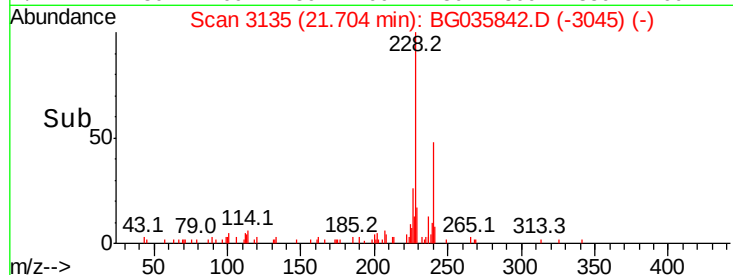
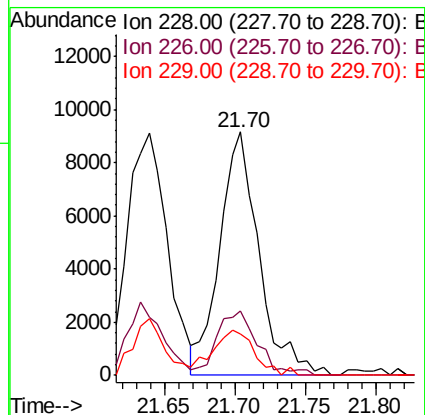
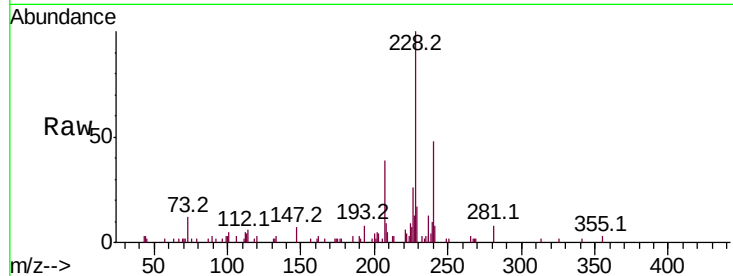
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion:	228	Resp:	17711
Ion Ratio	Lower	Upper	
228	100		
226	26.4	24.9	37.3
229	16.8	15.0	22.4

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.900 ng

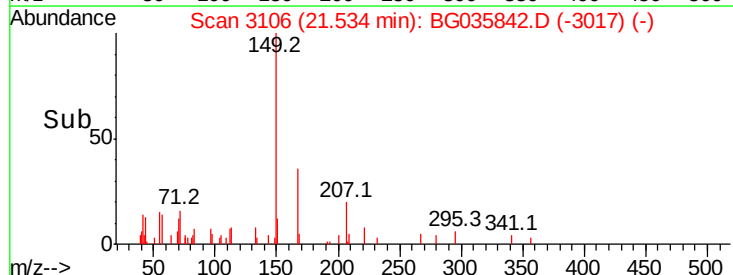
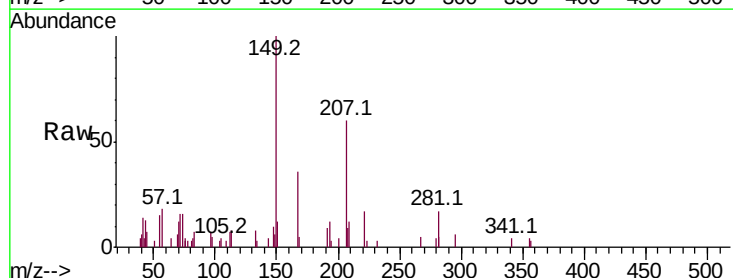
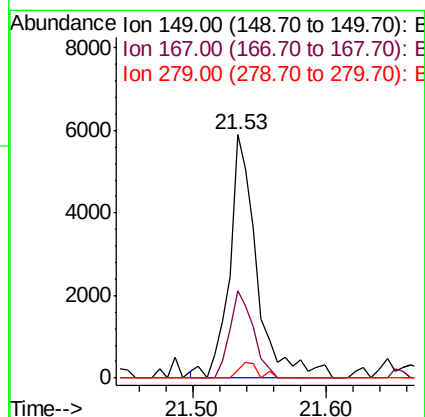
RT: 21.53 min Scan# 3106

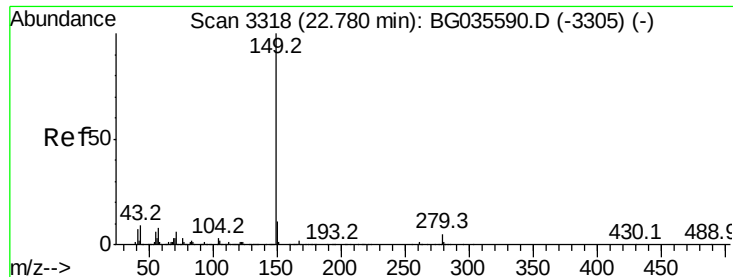
Delta R.T. -0.01 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion:	149	Resp:	8441
Ion Ratio	Lower	Upper	
149	100		
167	35.7	24.3	36.5
279	3.6	4.0	6.0#





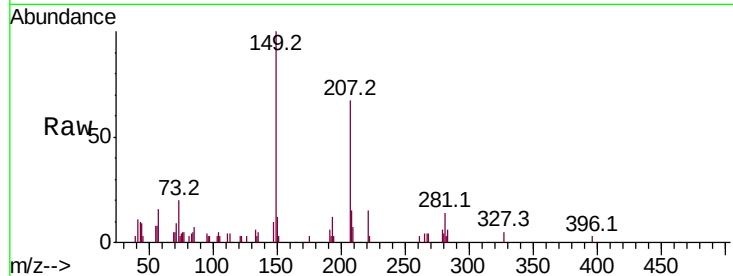
#84
Di-n-octyl phthalate
Concen: 0.770 ng
RT: 22.74 min Scan# 3311
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.0#
43	12.4	8.9	13.3

Manual Integrations
APPROVED

Sohil
7/25/2018 6:34:45 PM

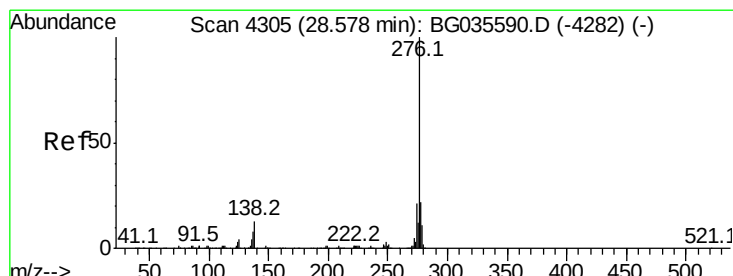
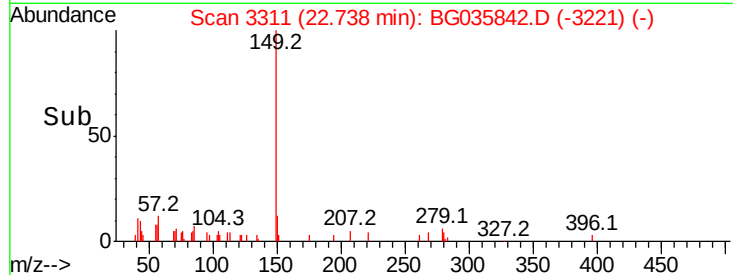
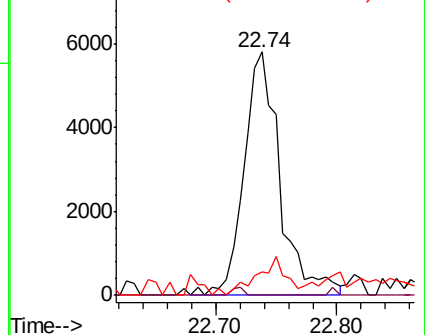


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85
Indeno(1,2,3-cd)pyrene
Concen: 0.789 ng m
RT: 28.51 min Scan# 4294
Delta R.T. 0.02 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

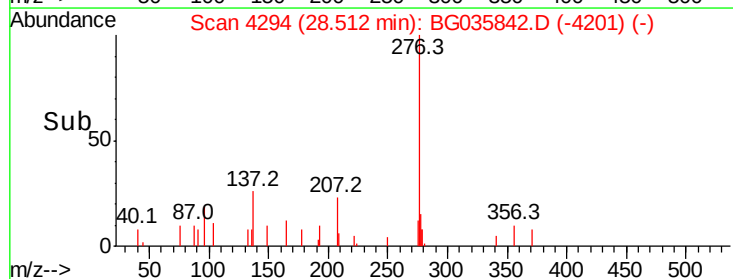
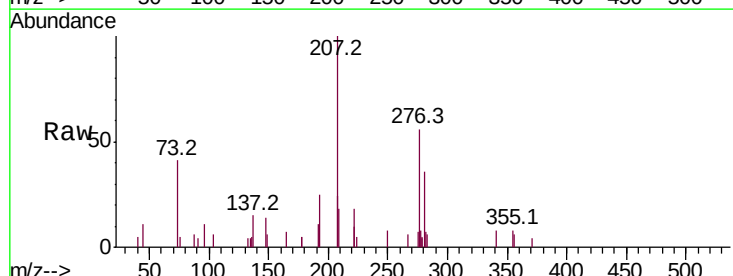
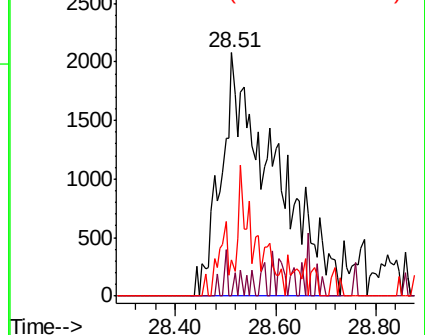
Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.4	16.0	24.0#
277	0.0	20.0	30.0#

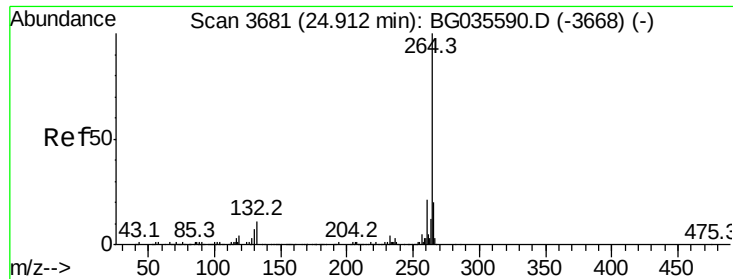
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





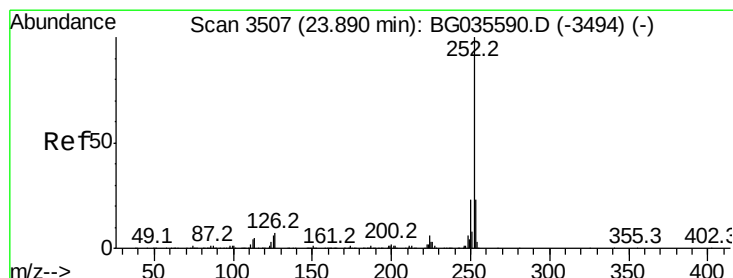
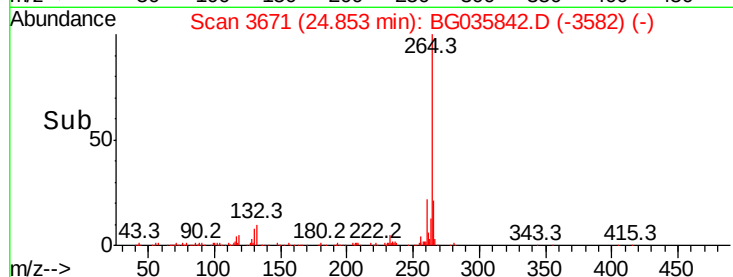
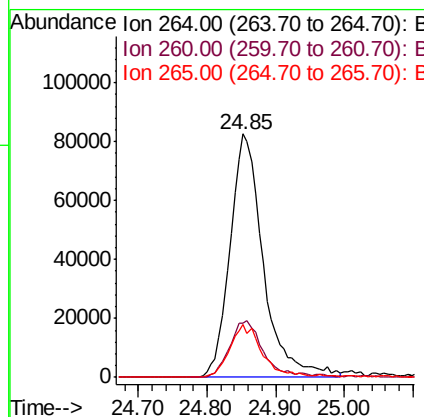
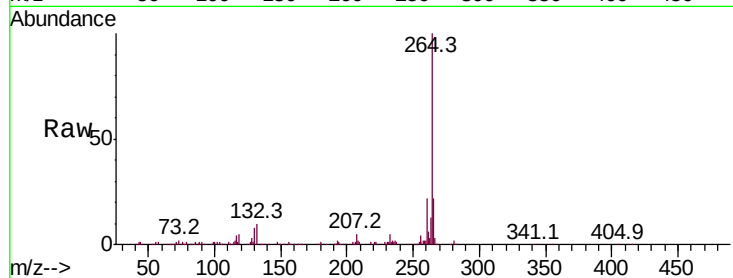
#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	21.6	17.7	26.5

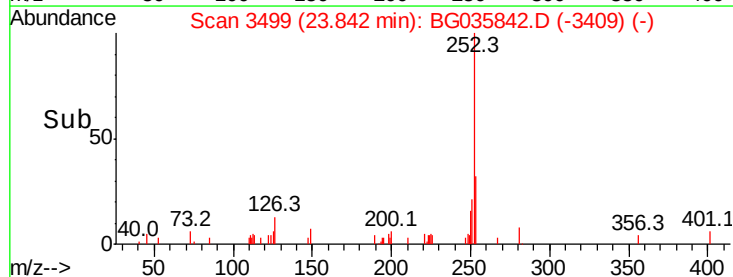
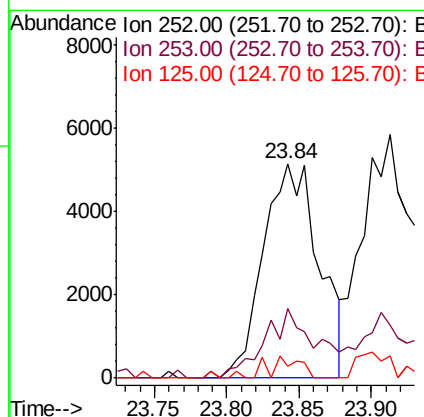
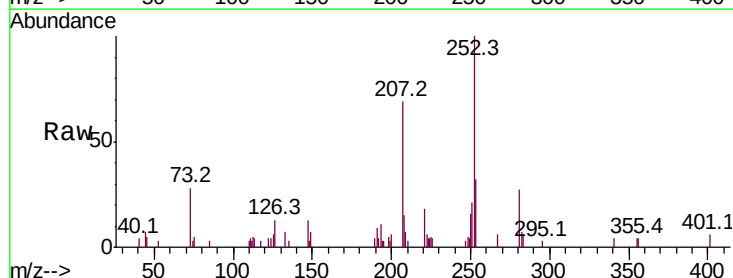
Manual Integrations
APPROVED

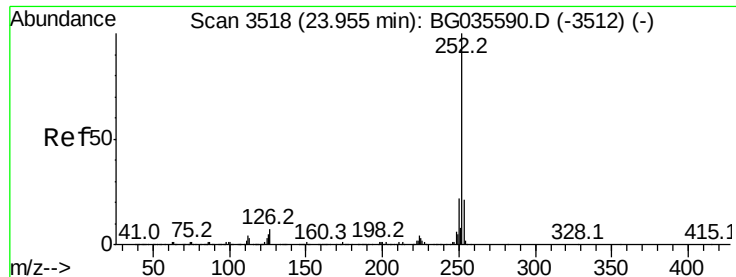
Sohil
7/25/2018 6:34:45 PM



#87
Benzo(b)fluoranthene
Concen: 0.821 ng m
RT: 23.84 min Scan# 3499
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.2	27.4#
125	5.7	7.2	10.8#





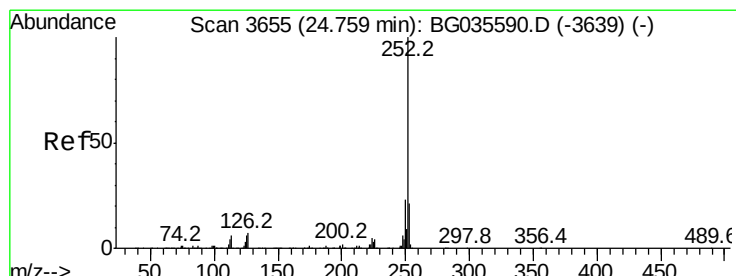
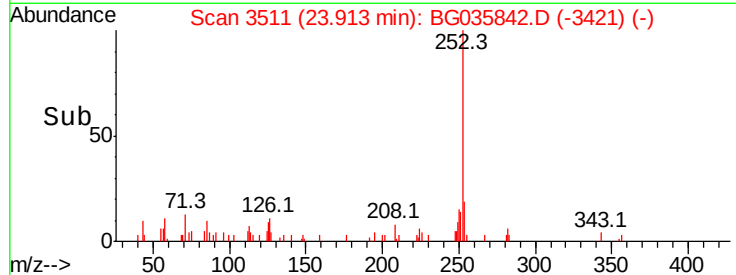
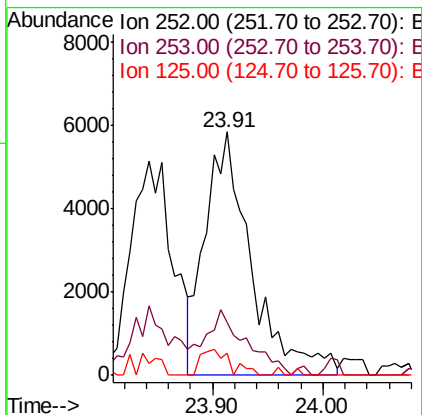
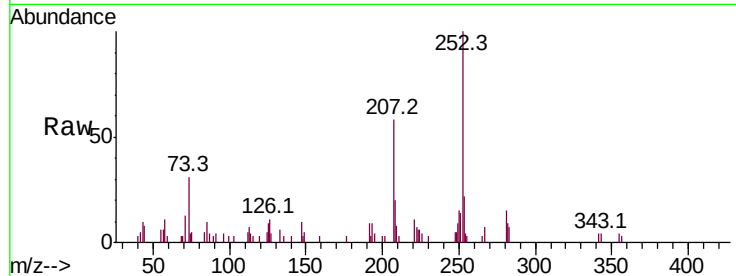
#88
Benzo(k)fluoranthene
Concen: 1.024 ng
RT: 23.91 min Scan# 3511
Delta R.T. -0.00 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	9.1	6.6	9.8

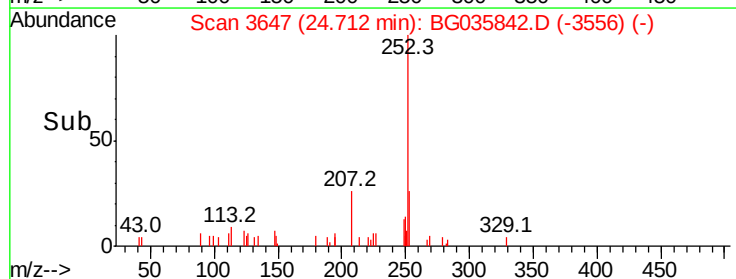
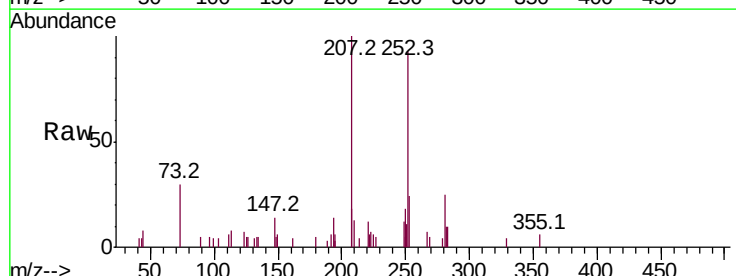
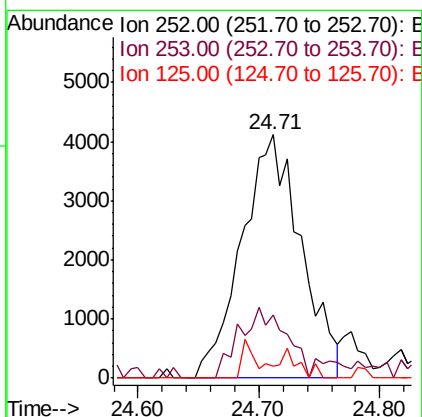
Manual Integrations
APPROVED

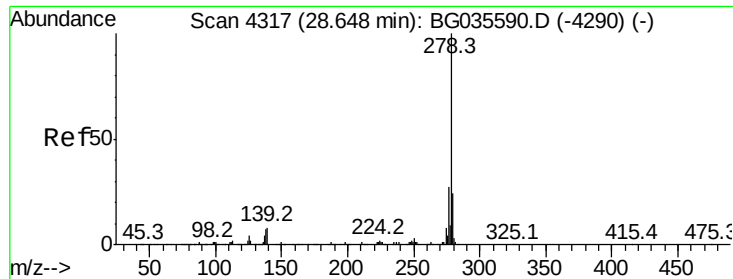
Sohil
7/25/2018 6:34:45 PM



#89
Benzo(a)pyrene
Concen: 0.893 ng
RT: 24.71 min Scan# 3647
Delta R.T. 0.01 min
Lab File: BG035842.D
Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.3	27.5
125	4.9	7.3	10.9





#90

Dibenzo(a,h)anthracene

Concen: 0.757 ng m

RT: 28.61 min Scan# 4310

Delta R.T. 0.05 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Instrument :

BNA_G

ClientSampleId :

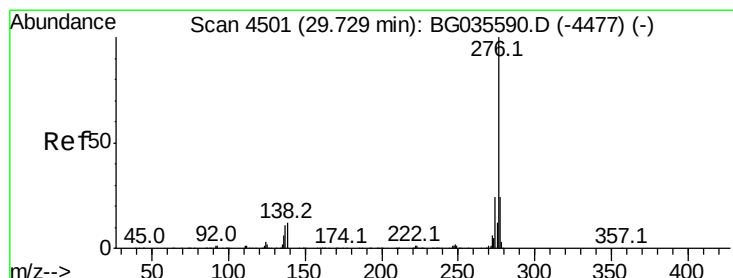
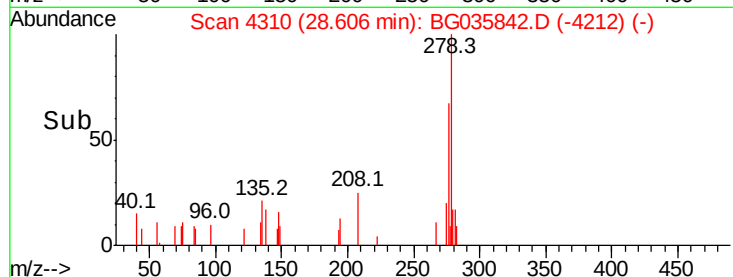
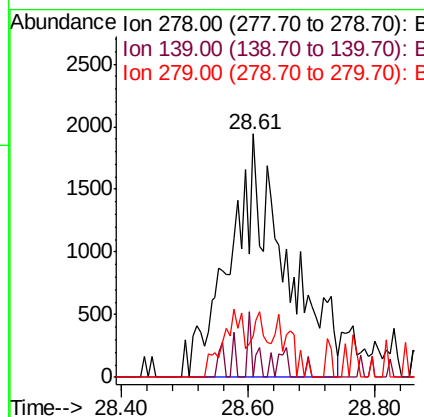
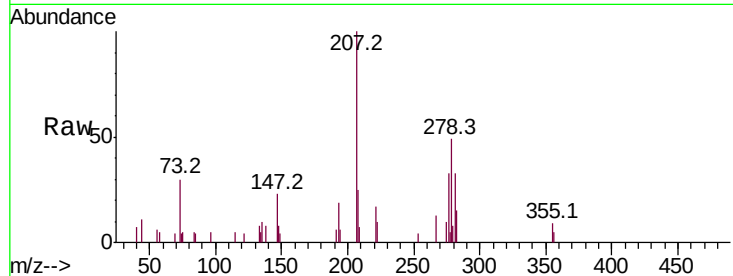
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.8	14.6#
279	17.2	18.4	27.6#

Manual Integrations
APPROVED

Sohil

7/25/2018 6:34:45 PM



#91

Benzo(g,h,i)perylene

Concen: 0.782 ng m

RT: 29.66 min Scan# 4489

Delta R.T. 0.02 min

Lab File: BG035842.D

Acq: 24 Jul 2018 11:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	17.6	18.3	27.5#
138	19.4	13.9	20.9

