

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037456.D
 Acq On : 19 Oct 2018 16:36
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM

Quant Time: Oct 20 01:25:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	53626	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	245331	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	164056	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	395711	20.00	ng	0.00
76) Chrysene-d12	21.77	240	369779	20.00	ng	0.00
87) Perylene-d12	25.11	264	366700	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	454286	141.63	ng	0.00
7) Phenol-d6	7.25	99	667104	137.54	ng	0.00
23) Nitrobenzene-d5	9.29	82	367185	83.84	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	251981	140.82	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	895721	82.33	ng	0.00
79) Terphenyl-d14	20.09	244	1344431	77.69	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	11482	7.059	ng	# 92
3) Pyridine	3.94	79	31898	7.780	ng	90
4) n-Nitrosodimethylamine	3.86	42	13875	9.501	ng	# 78
6) Aniline	7.43	93	34264	5.791	ng	95
8) 2-Chlorophenol	7.67	128	30446	8.114	ng	96
9) Benzaldehyde	7.25	77	21459	7.073	ng	94
10) Phenol	7.27	94	41041	8.020	ng	92
11) bis(2-Chloroethyl)ether	7.52	93	29934	7.702	ng	92
12) 1,3-Dichlorobenzene	7.99	146	32625	7.810	ng	92
13) 1,4-Dichlorobenzene	8.15	146	32853	7.688	ng	96
14) 1,2-Dichlorobenzene	8.46	146	31302	7.615	ng	96
15) Benzyl Alcohol	8.35	79	26678	7.444	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.63	45	56093	8.066	ng	95
17) 2-Methylphenol	8.53	107	26977	7.974	ng	95
18) Hexachloroethane	9.19	117	11587	7.954	ng	97
19) n-Nitroso-di-n-propylamine	8.91	70	24521	7.342	ng	95
20) 3+4-Methylphenols	8.86	107	37026	7.654	ng	96
22) Acetophenone	8.93	105	49742	8.084	ng	# 95
24) Nitrobenzene	9.32	77	37112	8.157	ng	100
25) Isophorone	9.84	82	69172	8.644	ng	99
26) 2-Nitrophenol	10.03	139	14534	7.091	ng	94
27) 2,4-Dimethylphenol	10.07	122	32270	8.818	ng	96
28) bis(2-Chloroethoxy)methane	10.33	93	42525	8.111	ng	97
29) 2,4-Dichlorophenol	10.57	162	30226	7.418	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	34071	7.690	ng	97
31) Naphthalene	10.98	128	102423	8.500	ng	97
32) Benzoic acid	10.13	122	9631m	4.052	ng	
33) 4-Chloroaniline	11.09	127	30248	5.342	ng	94
34) Hexachlorobutadiene	11.24	225	19757	7.523	ng	95
35) Caprolactam	11.85	113	10428	6.382	ng	96
36) 4-Chloro-3-methylphenol	12.18	107	34863	7.587	ng	98
37) 2-Methylnaphthalene	12.58	142	79763	9.081	ng	97
38) 1-Methylnaphthalene	12.79	142	73349	8.598	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	40555	7.664	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037456.D
 Acq On : 19 Oct 2018 16:36
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

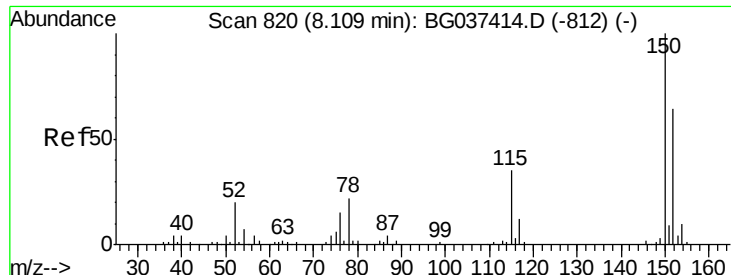
Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM

Quant Time: Oct 20 01:25:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	20815	8.235	ng	96
43) 2,4,6-Trichlorophenol	13.17	196	25073m	7.092	ng	
44) 2,4,5-Trichlorophenol	13.24	196	29329	7.620	ng	96
46) 1,1'-Biphenyl	13.58	154	103478	7.616	ng	98
47) 2-Chloronaphthalene	13.62	162	83226	8.097	ng	95
48) 2-Nitroaniline	13.83	65	22367	7.176	ng	95
49) Acenaphthylene	14.46	152	135409	8.757	ng	99
50) Dimethylphthalate	14.19	163	108044	8.513	ng	99
51) 2,6-Dinitrotoluene	14.32	165	21660	7.715	ng	96
52) Acenaphthene	14.80	154	77529	8.141	ng	99
53) 3-Nitroaniline	14.65	138	18907	6.066	ng	92
54) 2,4-Dinitrophenol	14.85	184	1847	8.917	ng	91
55) Dibenzofuran	15.13	168	133404	8.455	ng	100
56) 4-Nitrophenol	14.93	139	12557	5.443	ng	91
57) 2,4-Dinitrotoluene	15.10	165	28115	7.629	ng	# 99
58) Fluorene	15.78	166	103957	8.799	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	24239	7.355	ng	96
60) Diethylphthalate	15.54	149	107482	8.249	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	55432	8.049	ng	96
62) 4-Nitroaniline	15.80	138	21519	6.948	ng	93
63) Azobenzene	16.07	77	105288	8.469	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	6826	11.212	ng	91
66) n-Nitrosodiphenylamine	15.99	169	94511	7.940	ng	99
67) 4-Bromophenyl-phenylether	16.67	248	32383	7.452	ng	97
68) Hexachlorobenzene	16.78	284	34133	7.579	ng	99
69) Atrazine	16.92	200	32214	7.485	ng	98
70) Pentachlorophenol	17.12	266	11738	3.891	ng	92
71) Phenanthrene	17.53	178	178524	8.877	ng	97
72) Anthracene	17.62	178	178289	9.034	ng	98
73) Carbazole	17.89	167	156048	7.904	ng	96
74) Di-n-butylphthalate	18.43	149	176905	8.055	ng	99
75) Fluoranthene	19.53	202	200675	8.798	ng	99
77) Benzidine	19.72	184	21876	1.740	ng	95
78) Pyrene	19.89	202	204312	8.452	ng	96
80) Butylbenzylphthalate	20.77	149	71373	7.214	ng	96
81) Benzo(a)anthracene	21.75	228	188008	8.596	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	42977	5.069	ng	95
83) Chrysene	21.82	228	176546	8.394	ng	99
84) Bis(2-ethylhexyl)phthalate	21.63	149	99747	7.193	ng	99
85) Di-n-octyl phthalate	22.88	149	160483	7.097	ng	97
86) Indeno(1,2,3-cd)pyrene	28.92	276	151305	6.707	ng	# 75
88) Benzo(b)fluoranthene	24.03	252	166917	8.303	ng	96
89) Benzo(k)fluoranthene	24.10	252	170059	8.634	ng	97
90) Benzo(a)pyrene	24.94	252	158273	8.285	ng	96
91) Dibenzo(a,h)anthracene	29.00	278	123652	7.017	ng	98
92) Benzo(g,h,i)perylene	30.12	276	133376	7.481	ng	97

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



#1

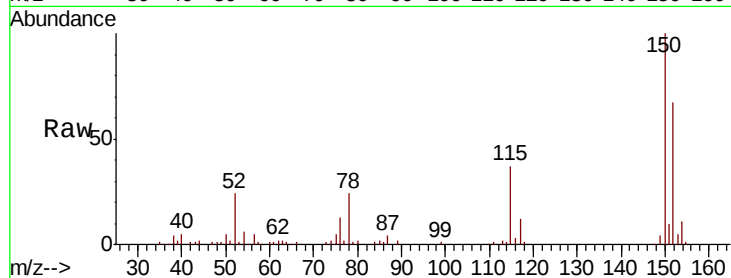
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.4	126.0	189.0
115	54.8	45.5	68.3

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

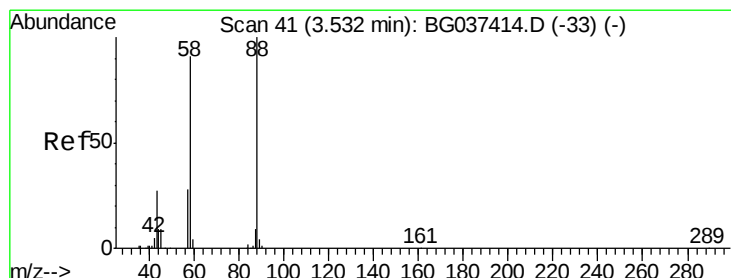
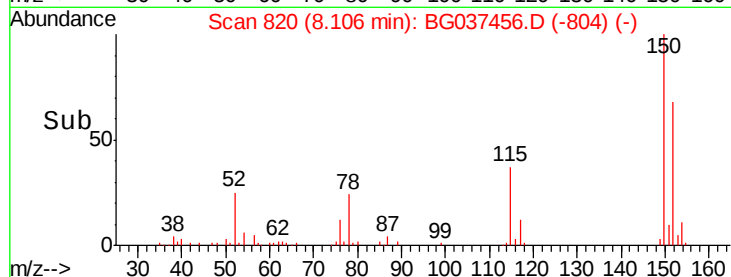
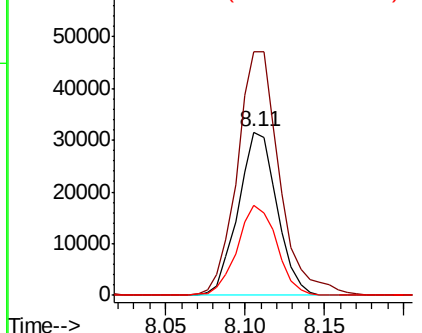


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

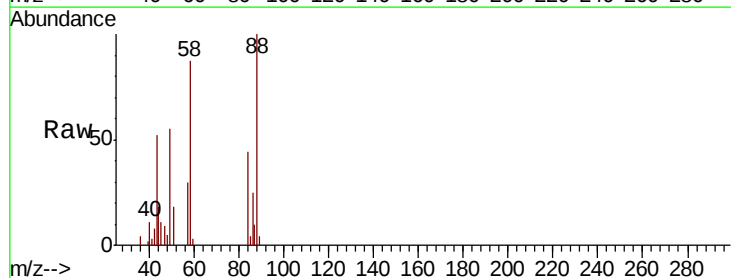
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.059 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.3	74.4	111.6
43	45.4	25.8	38.8#

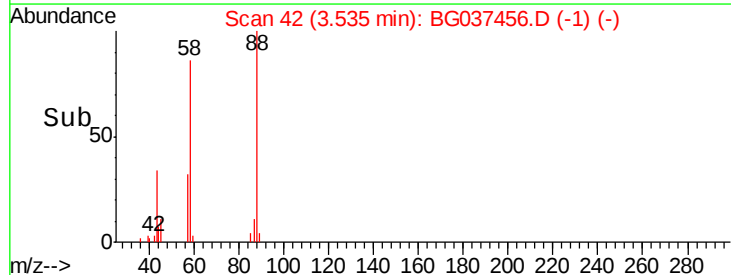
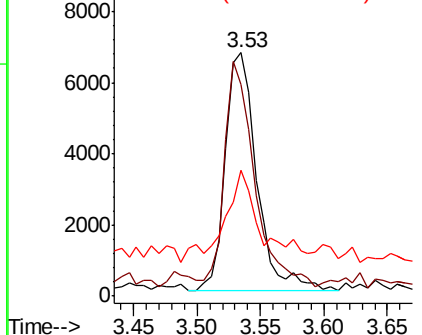


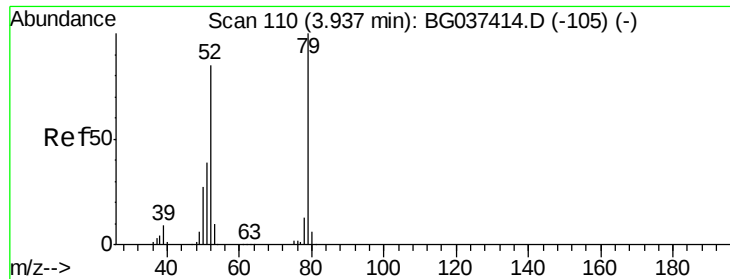
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 7.780 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

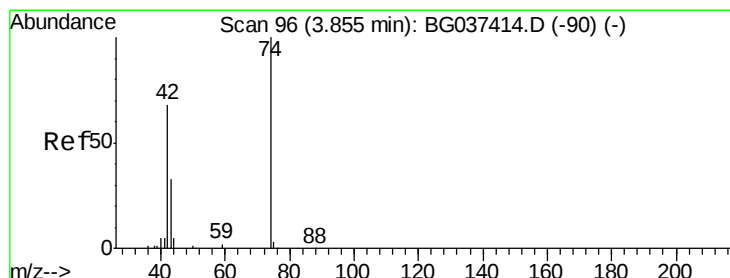
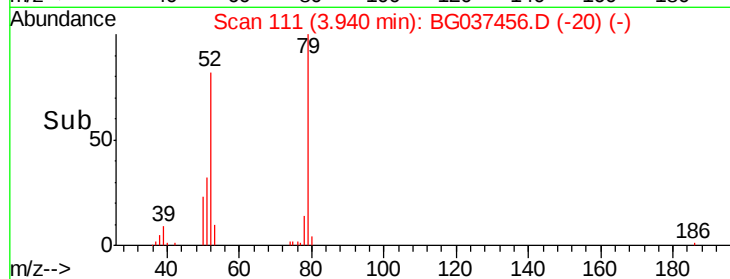
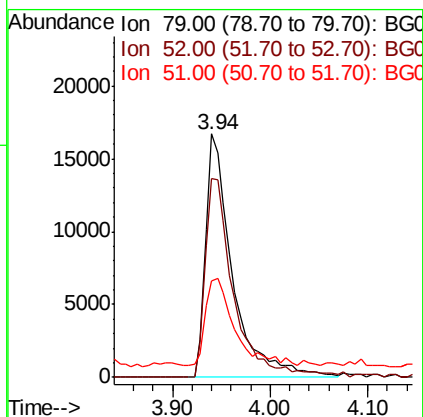
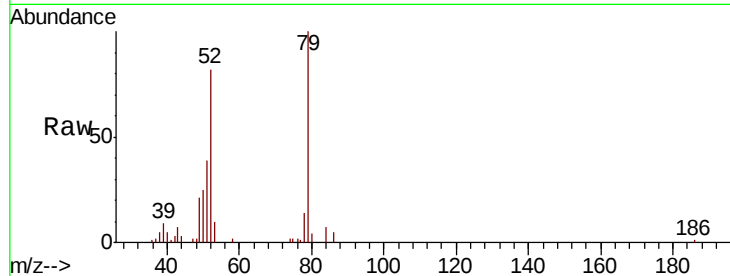
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	31898
Ion	Ratio	Lower	Upper
79	100		
52	81.7	74.2	111.2
51	39.4	34.6	51.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#4

n-Nitrosodimethylamine

Concen: 9.501 ng

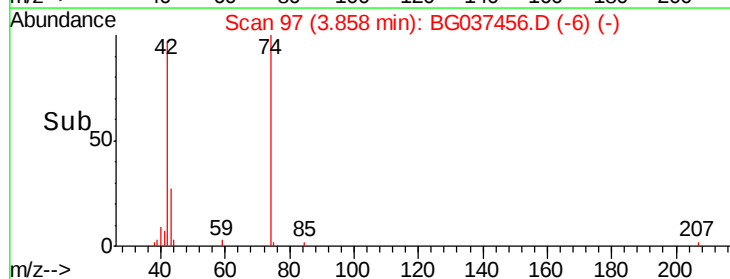
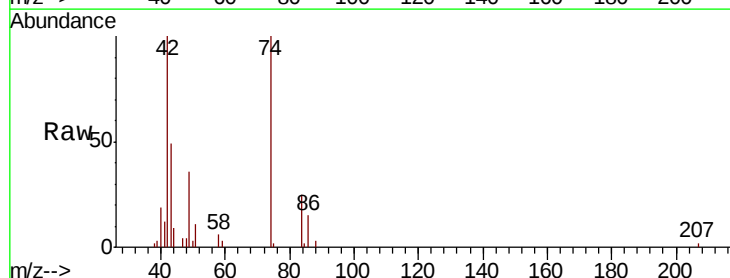
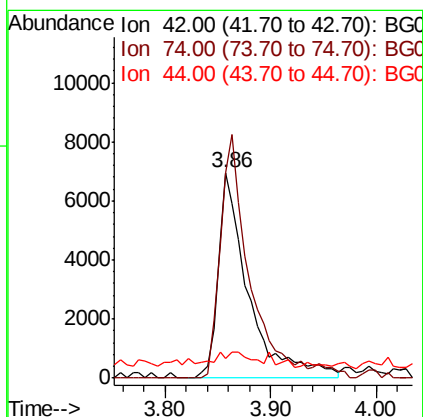
RT: 3.86 min Scan# 97

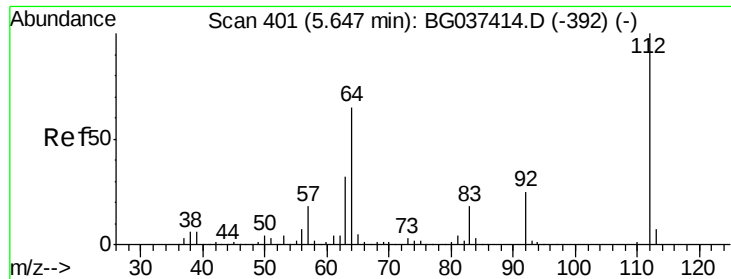
Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	42	Resp:	13875
Ion	Ratio	Lower	Upper
42	100		
74	100.3	102.0	153.0#
44	9.5	9.6	14.4#





#5

2-Fluorophenol

Concen: 141.629 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

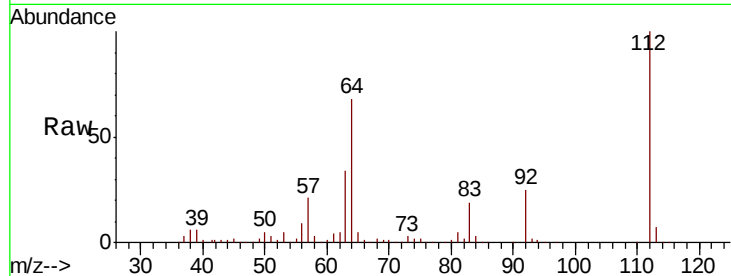
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

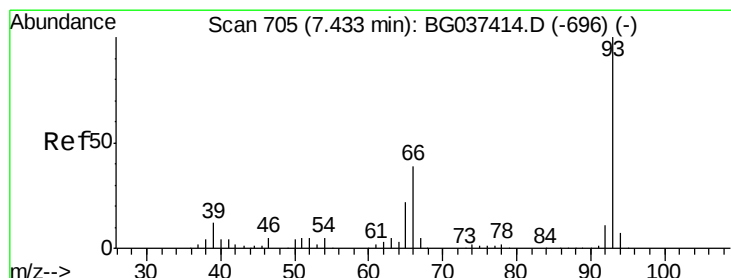
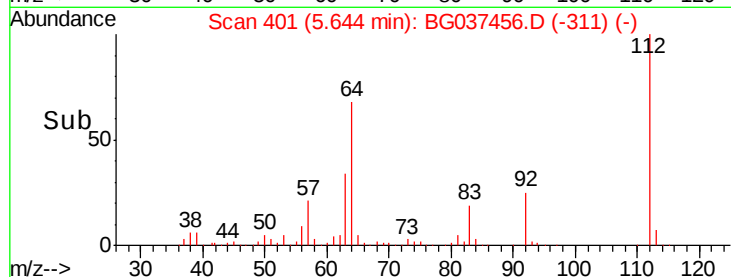
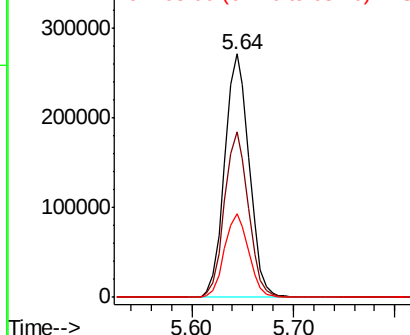
Tgt Ion:	112	Resp:	454286
Ion Ratio	Lower	Upper	
112	100		
64	67.8	53.1	79.7
63	34.5	27.3	40.9

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 5.791 ng

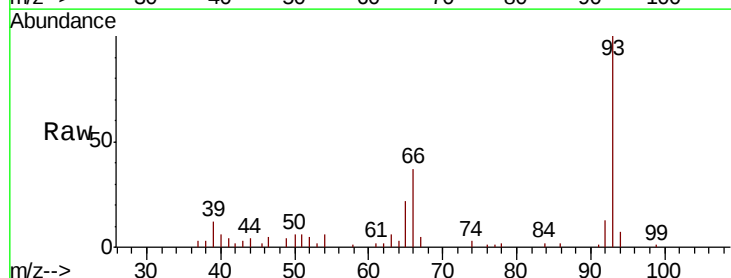
RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

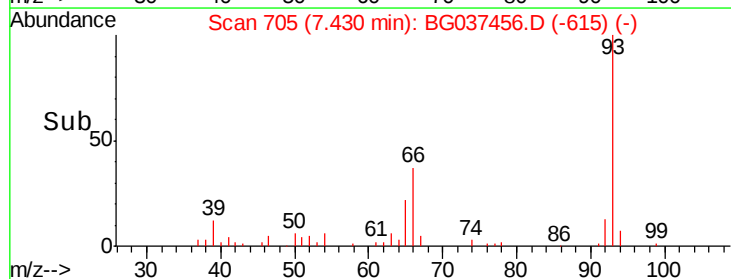
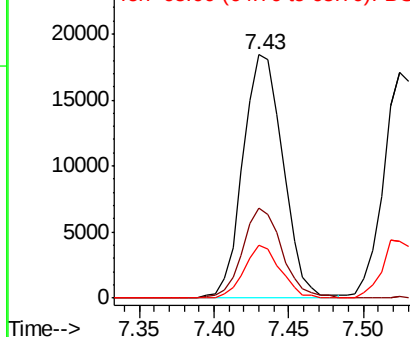
Lab File: BG037456.D

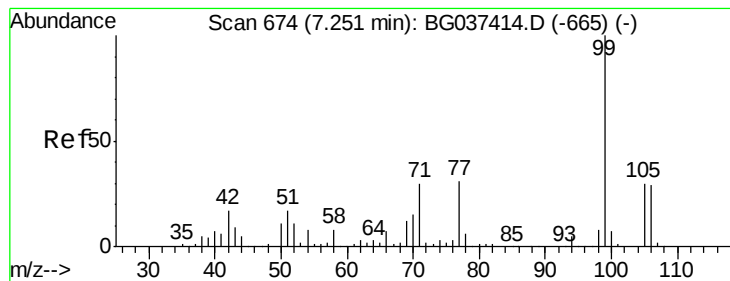
Acq: 19 Oct 2018 16:36

Tgt Ion:	93	Resp:	34264
Ion Ratio	Lower	Upper	
93	100		
66	37.0	32.8	49.2
65	21.7	16.4	24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.540 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

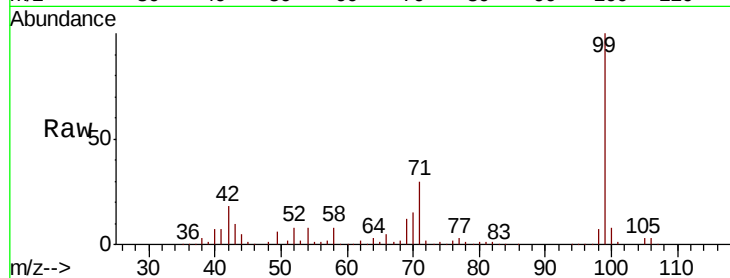
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

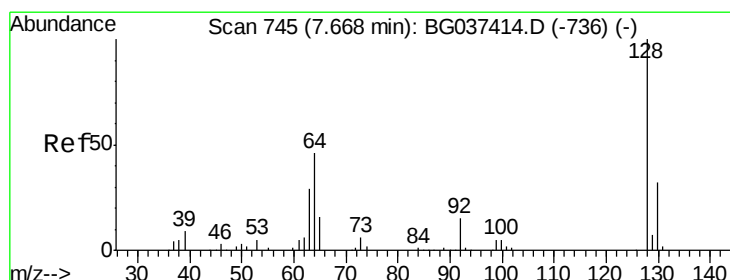
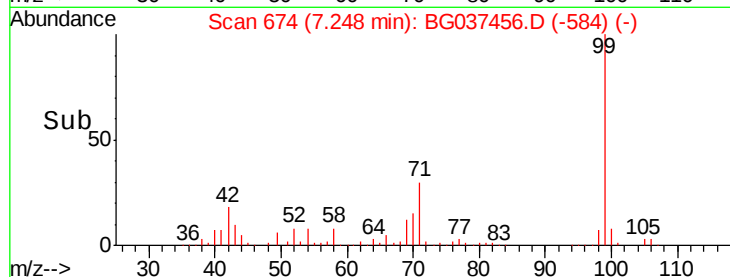
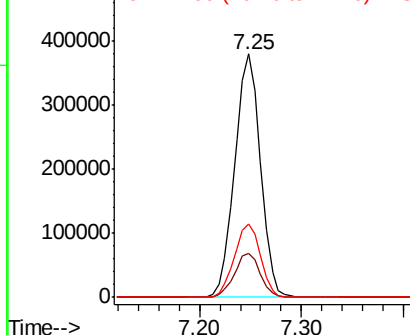
Tgt Ion:	99	Resp:	667104
Ion Ratio	Lower	Upper	
99	100		
42	17.9	15.0	22.4
71	30.4	25.5	38.3

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 8.114 ng

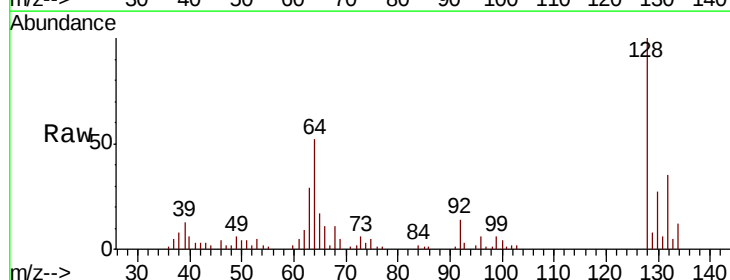
RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

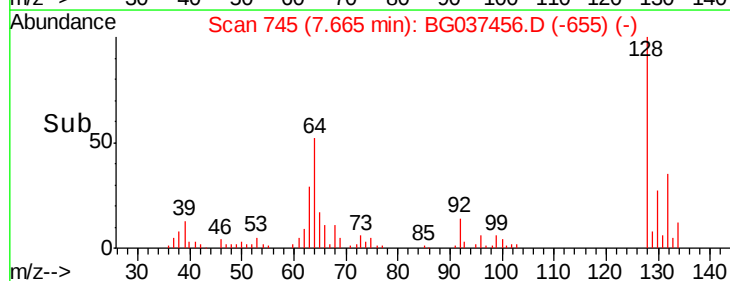
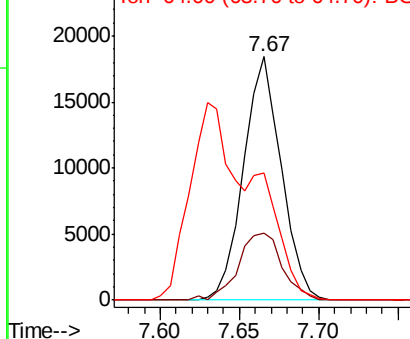
Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	128	Resp:	30446
Ion Ratio	Lower	Upper	
128	100		
130	27.3	12.0	52.0
64	52.0	32.9	72.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 7.073 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

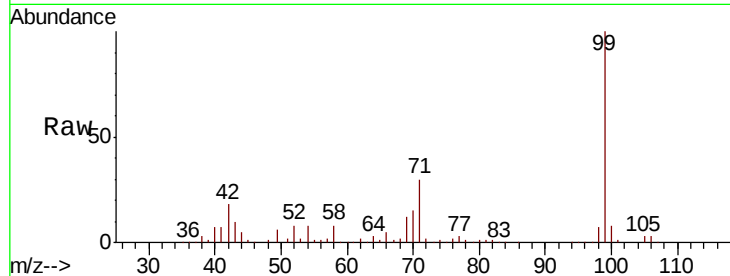
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

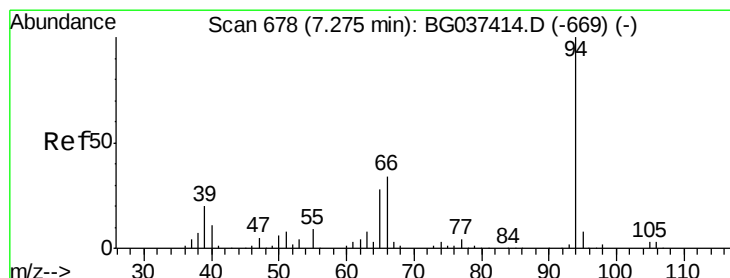
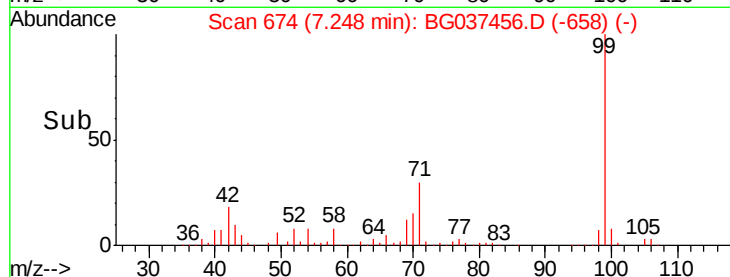
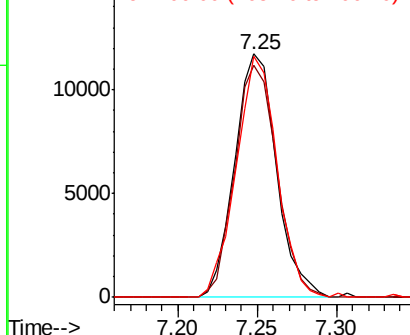
Tgt Ion: 77 Resp: 21459
 Ion Ratio Lower Upper
 77 100
 105 95.4 72.6 112.6
 106 99.2 71.3 111.3

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 8.020 ng

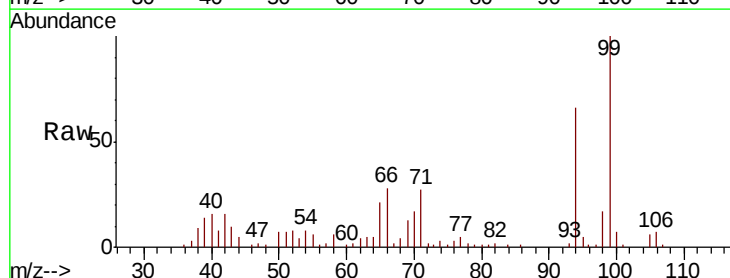
RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

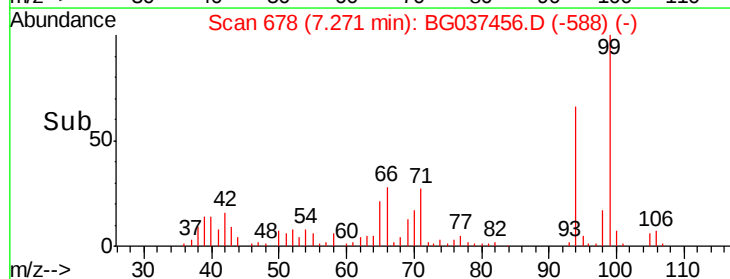
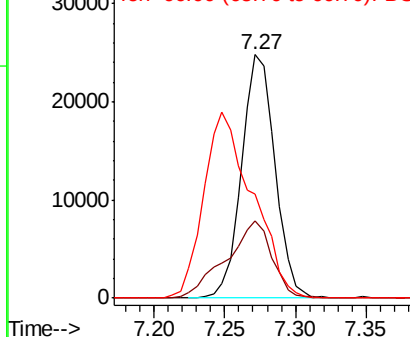
Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion: 94 Resp: 41041
 Ion Ratio Lower Upper
 94 100
 65 31.7 9.7 49.7
 66 42.7 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC
 Ion 66.00 (65.70 to 66.70): BGC





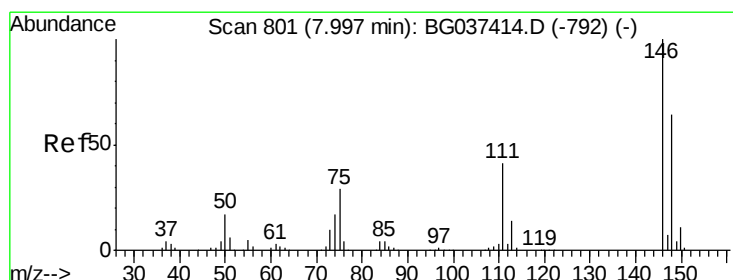
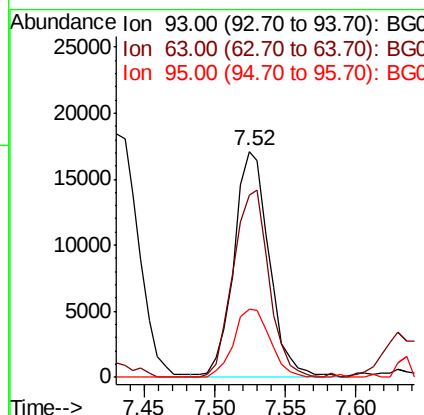
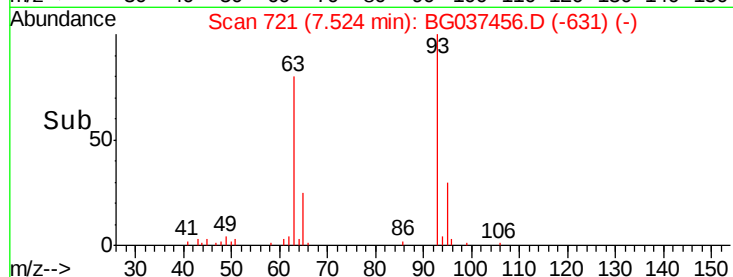
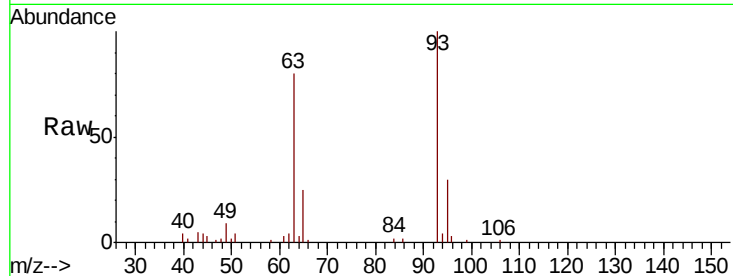
#11
bis(2-Chloroethyl)ether
Concen: 7.702 ng
RT: 7.52 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	93	Resp:	29934
Ion	Ratio	Lower	Upper
93	100		
63	80.4	69.5	109.5
95	30.1	12.6	52.6

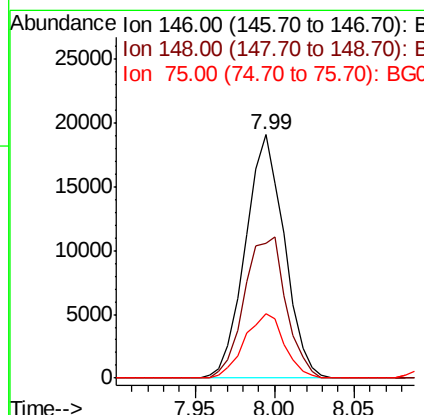
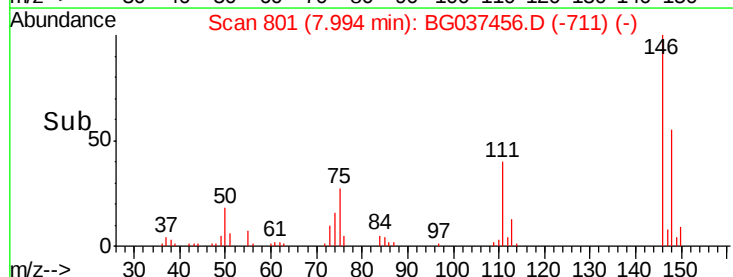
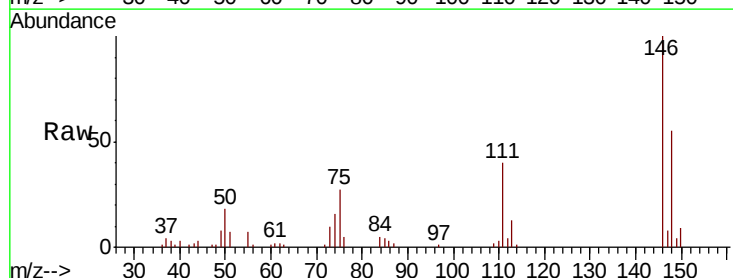
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#12
1,3-Dichlorobenzene
Concen: 7.810 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:	146	Resp:	32625
Ion	Ratio	Lower	Upper
146	100		
148	55.2	49.8	74.8
75	26.7	23.2	34.8





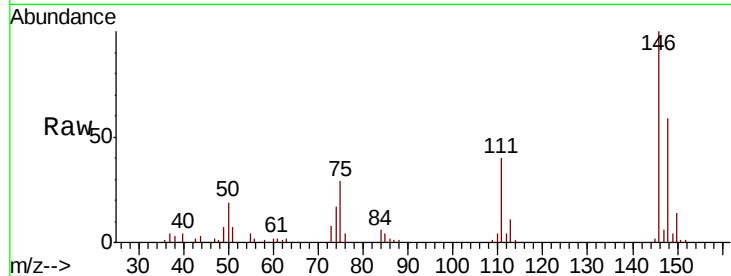
#13
 1,4-Dichlorobenzene
 Concen: 7.688 ng
 RT: 8.15 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	58.6	51.0	76.6
111	39.8	32.4	48.6

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM

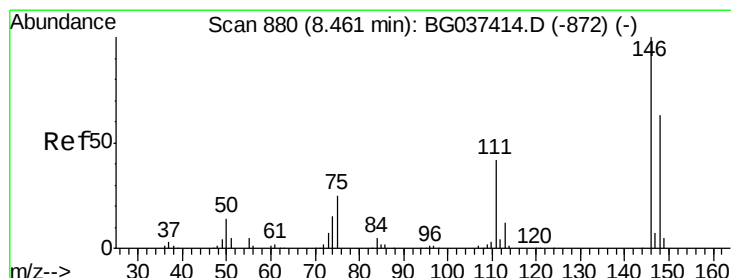
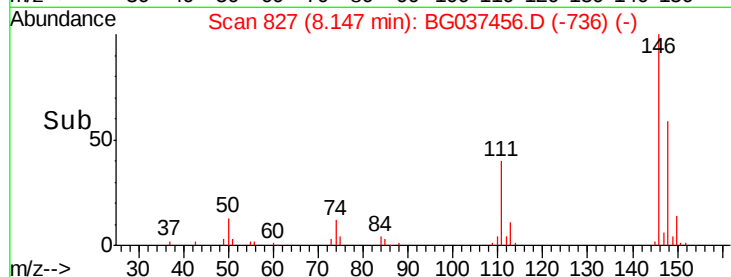
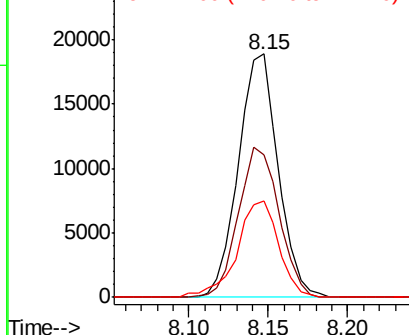


Abundance

Ion 146.00 (145.70 to 146.70): E

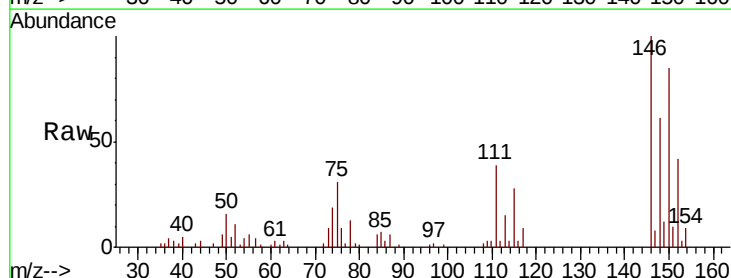
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 7.615 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.1	50.4	75.6
111	39.5	34.6	51.8

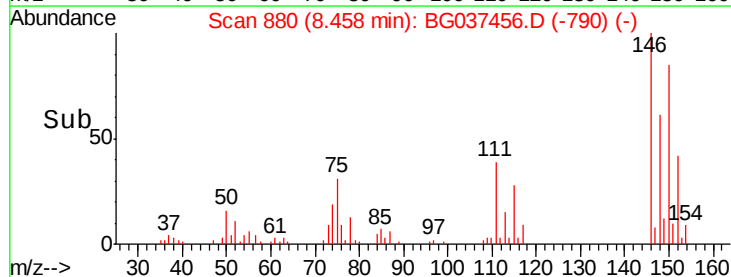
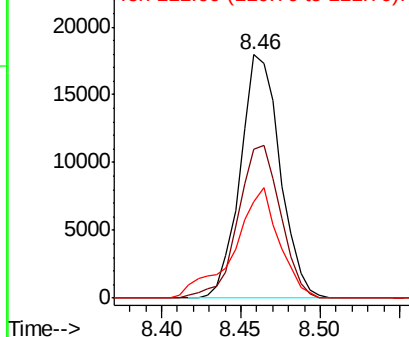


Abundance

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





#15

Benzyl Alcohol

Concen: 7.444 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

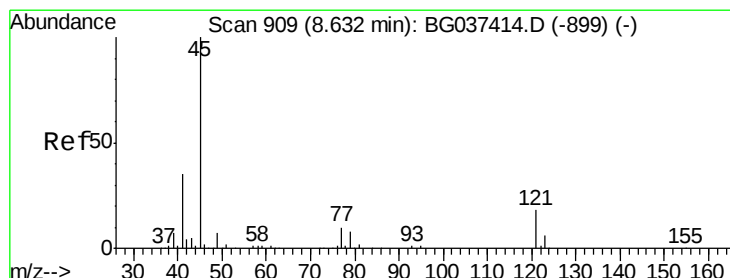
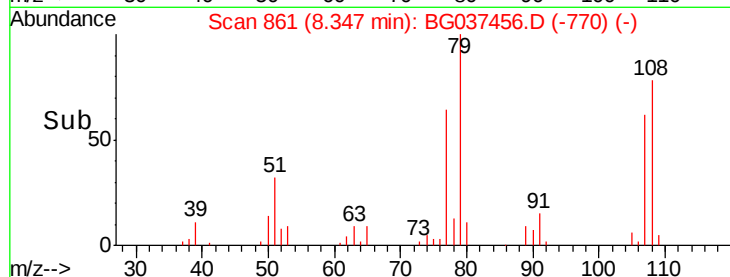
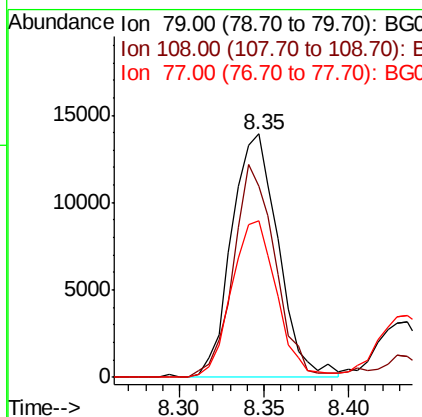
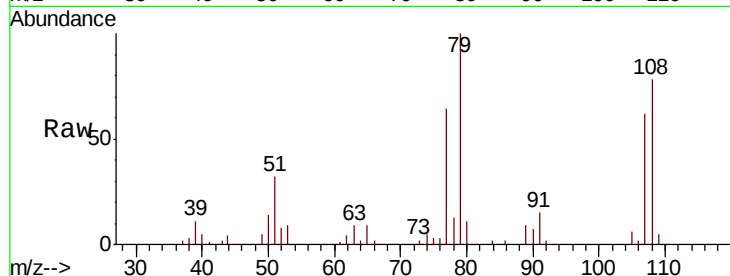
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	26678
Ion	Ratio	Lower	Upper
79	100		
108	78.3	65.8	98.8
77	64.3	52.9	79.3

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.066 ng

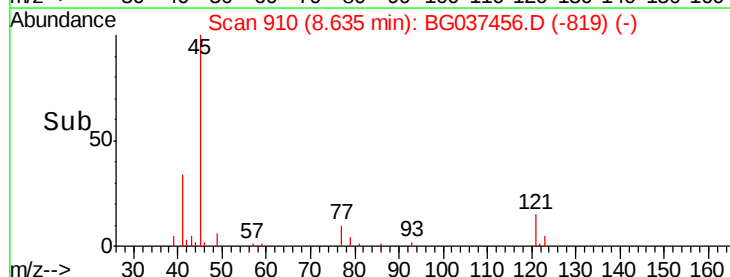
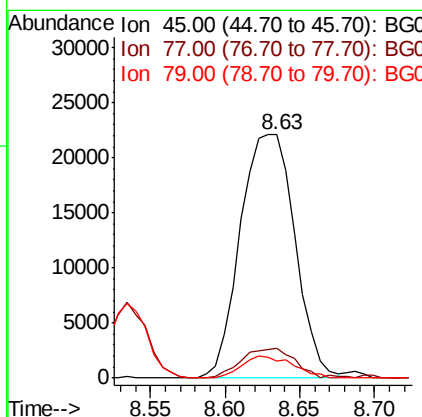
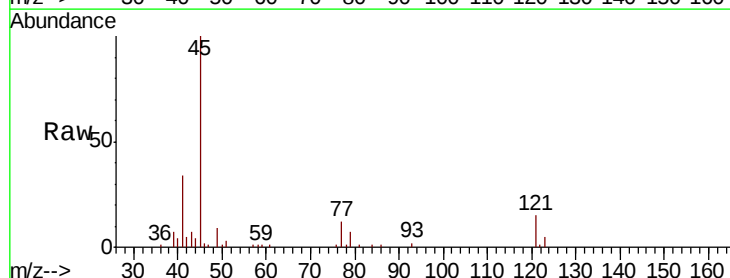
RT: 8.63 min Scan# 910

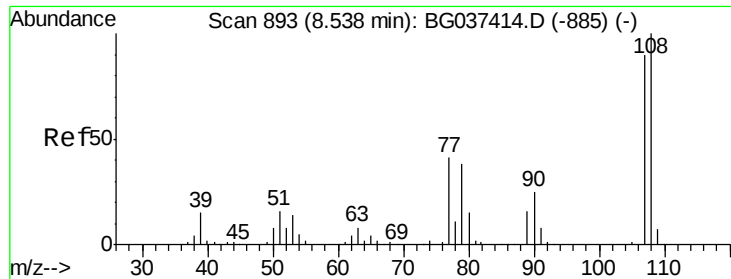
Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	45	Resp:	56093
Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	30.0
79	7.2	0.0	29.0





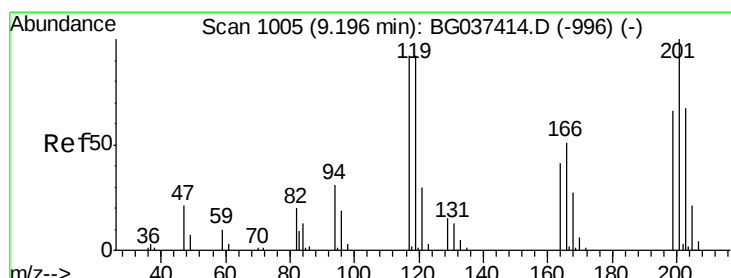
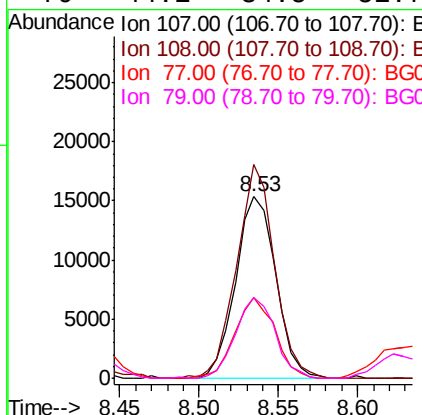
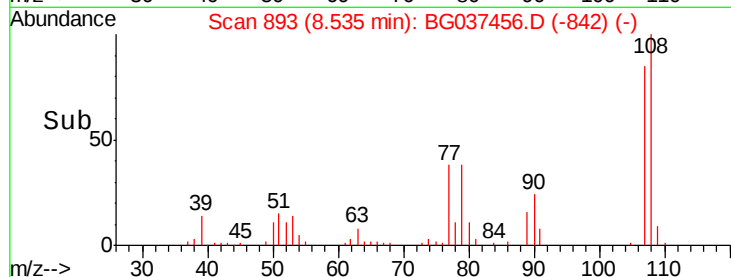
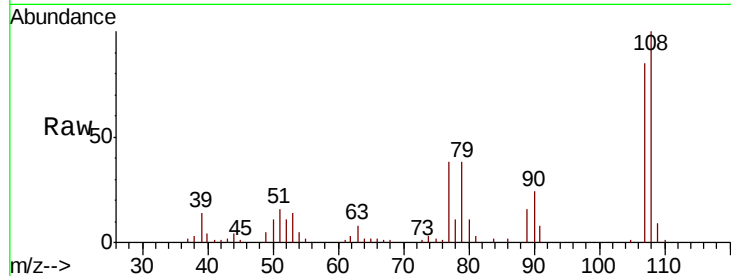
#17
2-Methylphenol
Concen: 7.974 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	26977		
108	117.6	87.9	131.9	
77	44.6	35.1	52.7	
79	44.1	34.5	51.7	

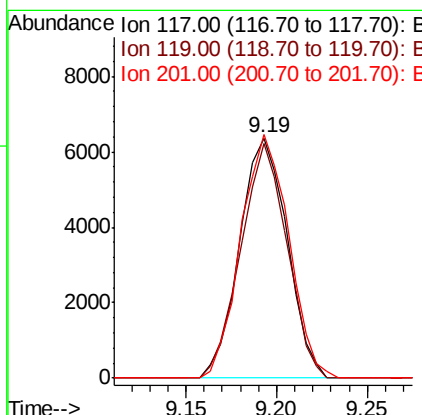
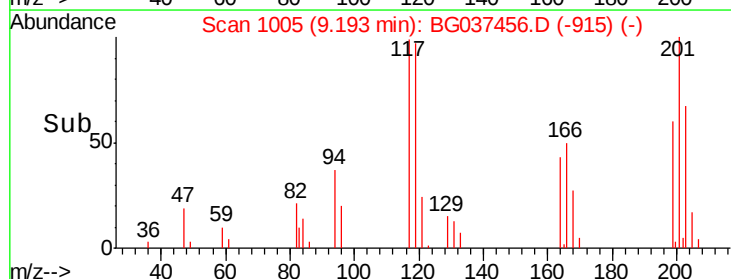
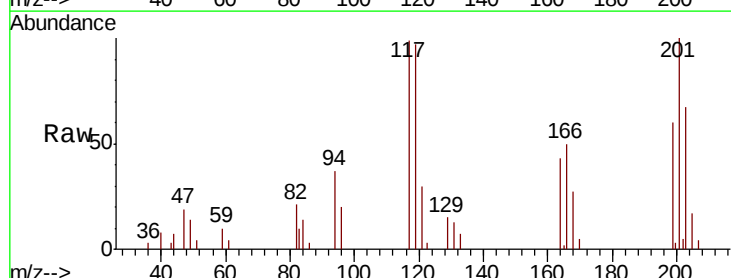
Manual Integrations
APPROVED

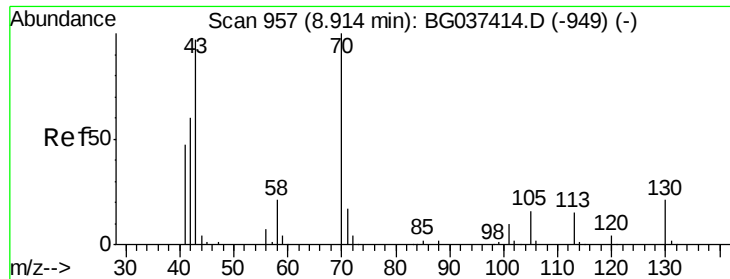
Sohil
10/22/2018 3:39:18 PM



#18
Hexachloroethane
Concen: 7.954 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11587		
119	97.9	74.6	111.8	
201	101.5	80.8	121.2	





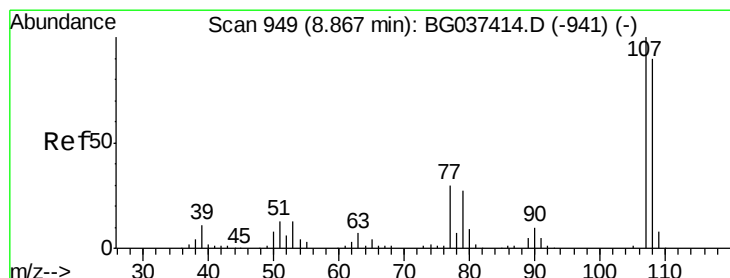
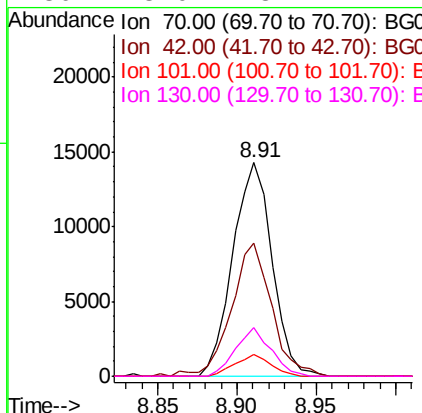
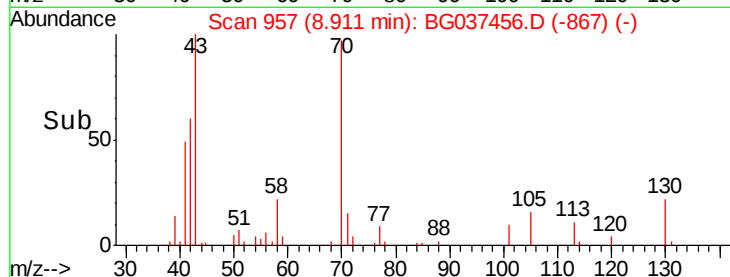
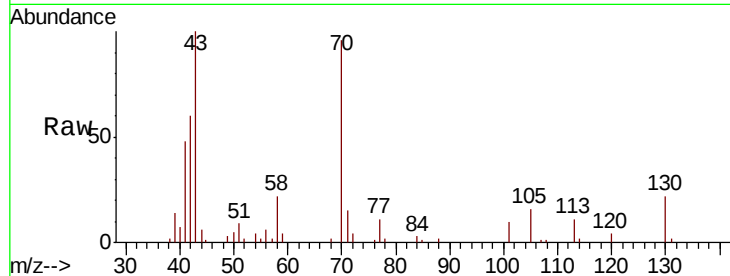
#19
n-Nitroso-di-n-propylamine
Concen: 7.342 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
70	100		
42	62.1	53.9	80.9
101	10.2	8.2	12.2
130	23.0	18.2	27.4

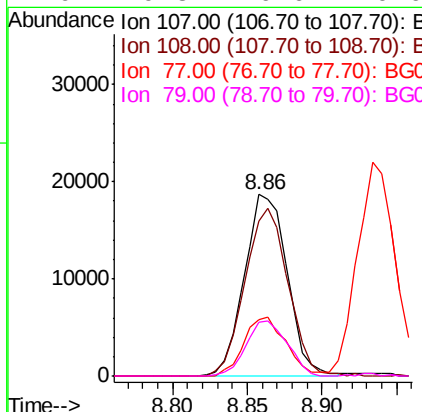
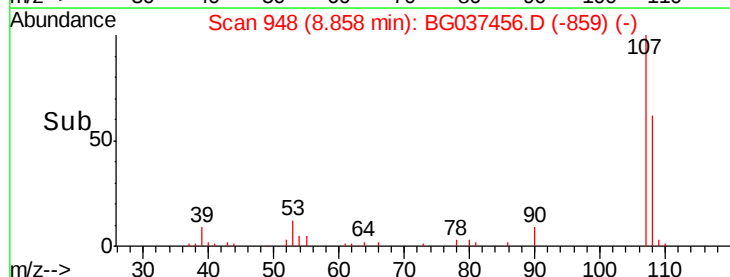
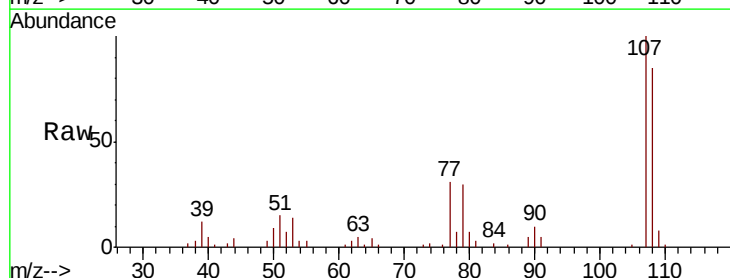
Manual Integrations
APPROVED

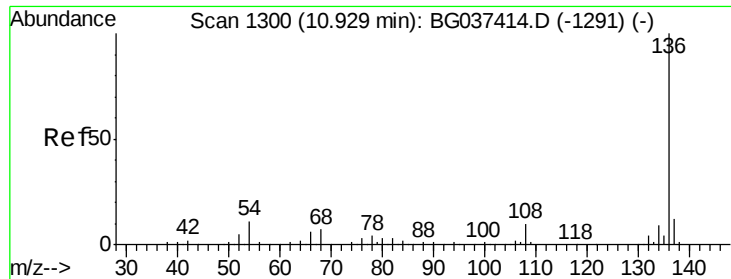
Sohil
10/22/2018 3:39:18 PM



#20
3+4-Methylphenols
Concen: 7.654 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.3	69.9	109.9
77	31.4	11.2	51.2
79	29.8	6.6	46.6





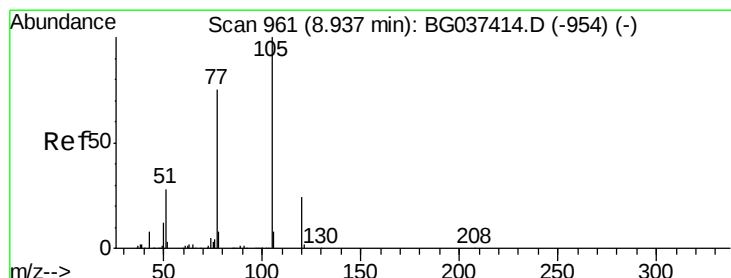
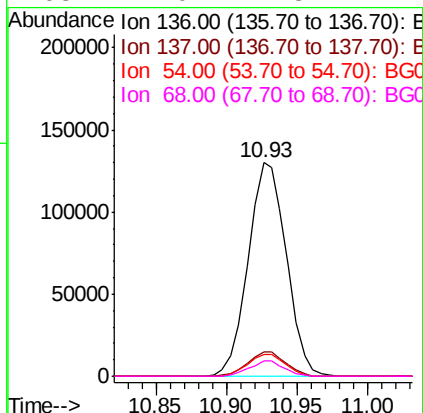
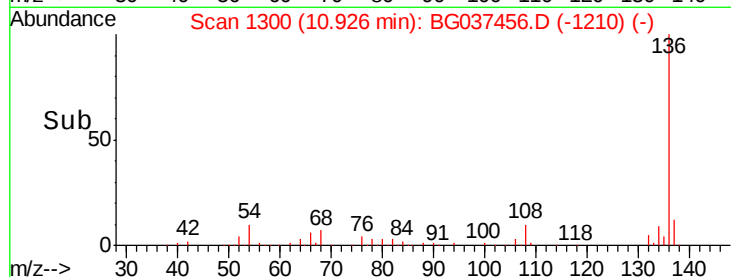
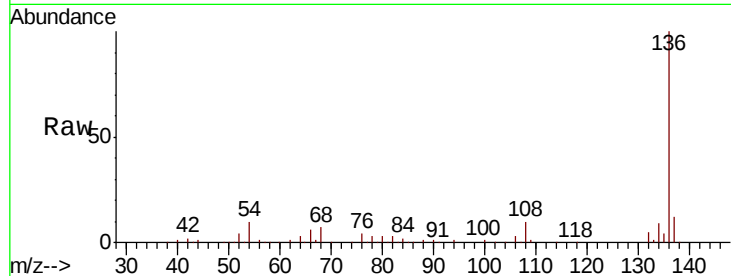
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	245331		
137	11.6	9.6	14.4	
54	10.1	7.9	11.9	
68	7.0	4.8	7.2	

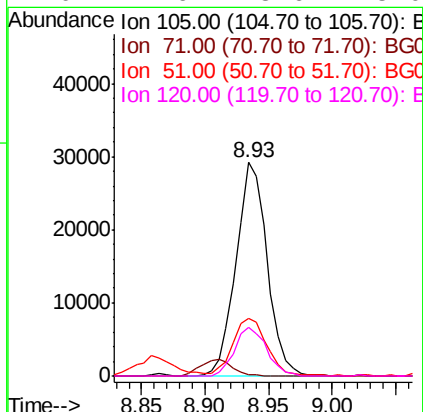
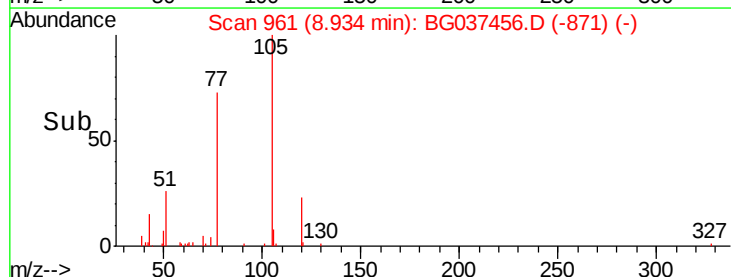
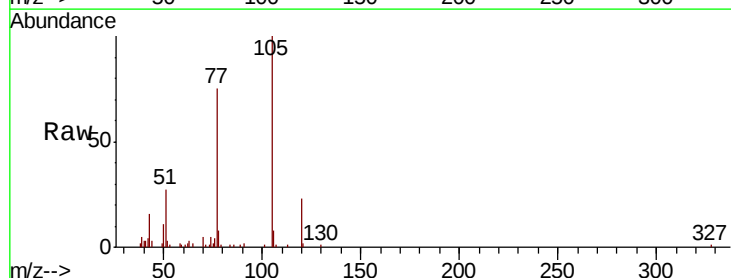
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#22
Acetophenone
Concen: 8.084 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	49742		
71	0.7	1.2	1.8#	
51	26.8	25.0	37.6	
120	22.6	18.6	28.0	





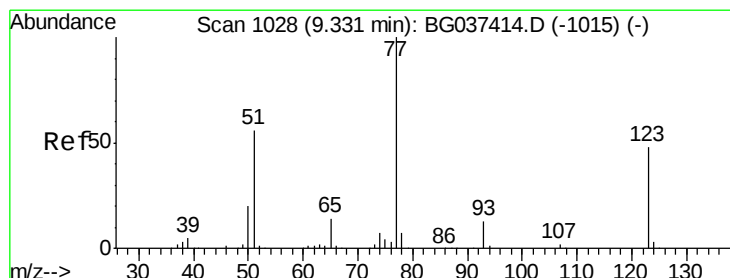
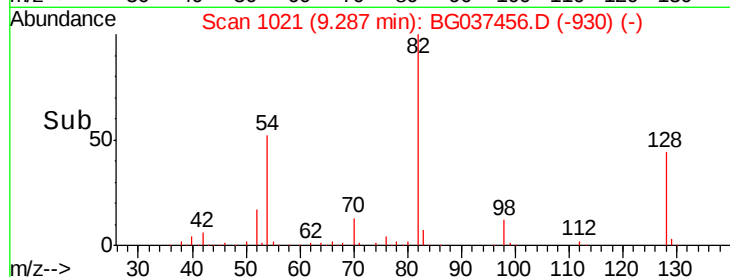
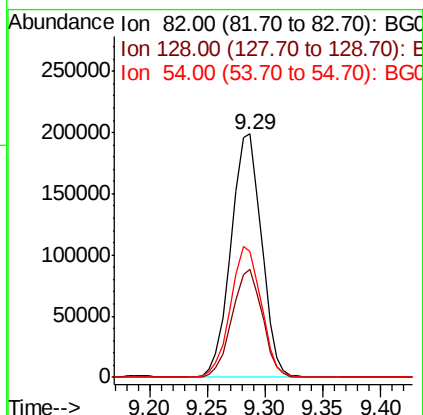
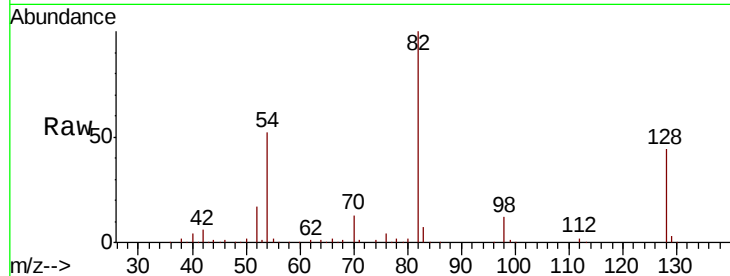
#23
 Nitrobenzene-d5
 Concen: 83.843 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	367185		
128	44.4	34.6	51.8	
54	51.8	45.3	67.9	

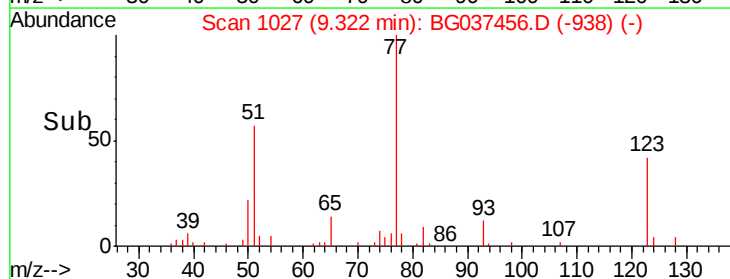
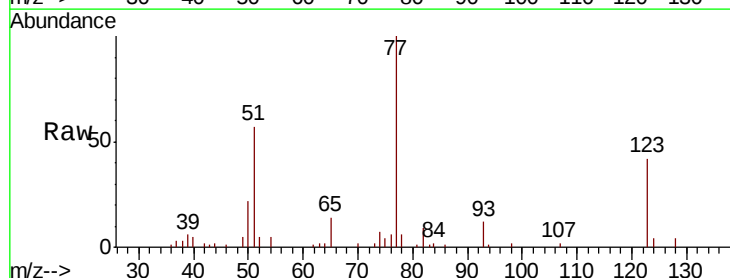
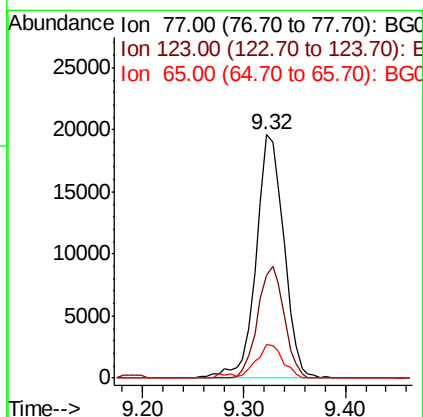
Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM



#24
 Nitrobenzene
 Concen: 8.157 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	37112		
123	42.1	33.6	50.4	
65	13.7	11.3	16.9	





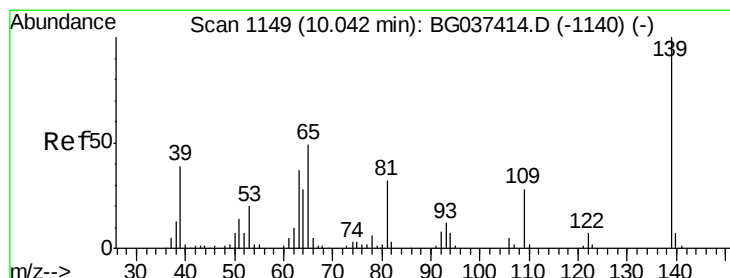
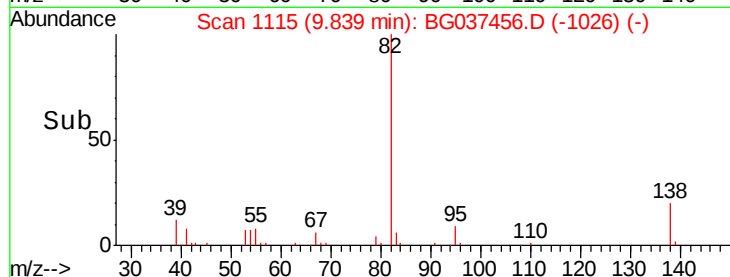
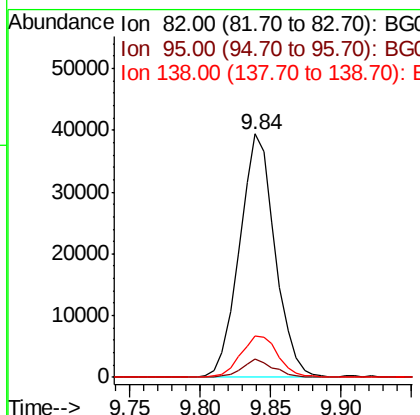
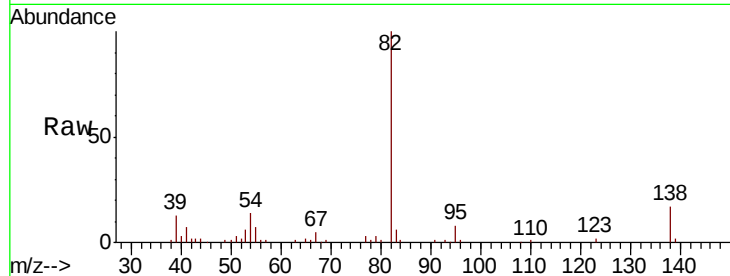
#25
Isophorone
Concen: 8.644 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	69172		
95	7.8	5.3	7.9	
138	16.9	13.3	19.9	

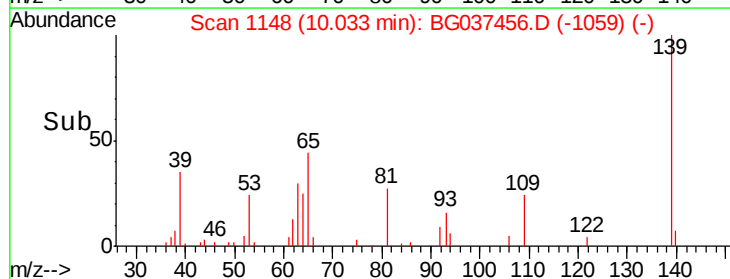
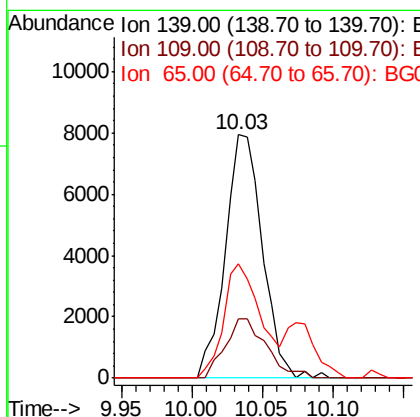
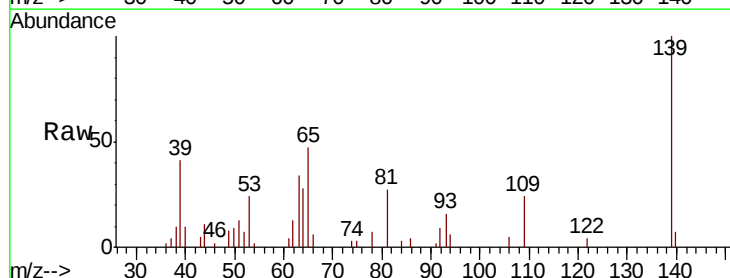
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#26
2-Nitrophenol
Concen: 7.091 ng
RT: 10.03 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	14534		
109	24.2	23.3	34.9	
65	46.7	39.8	59.8	





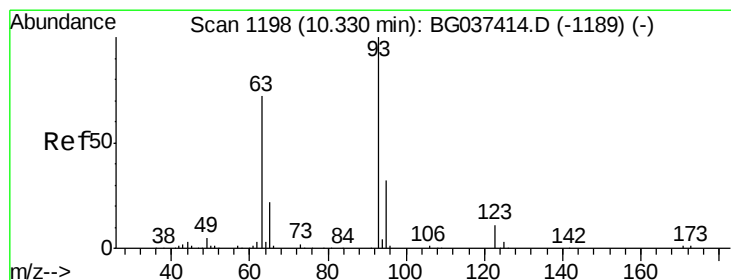
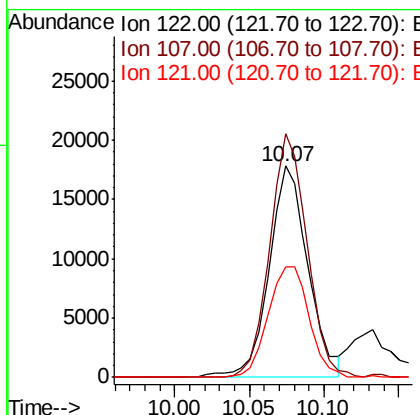
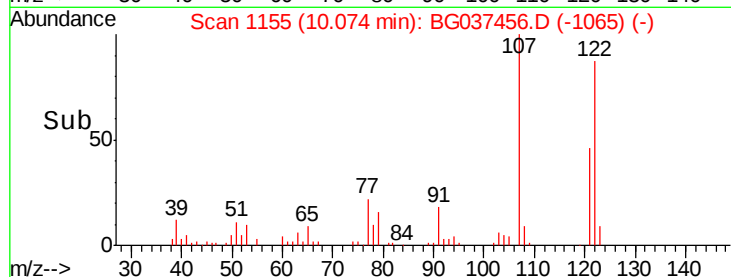
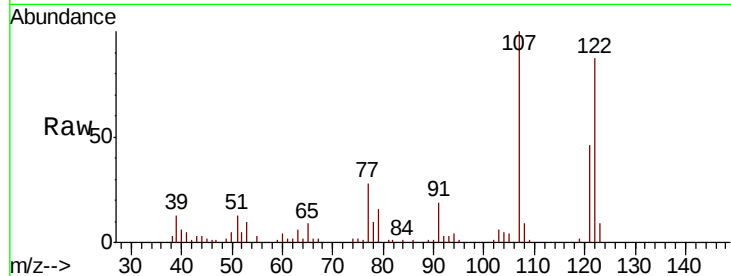
#27
2,4-Dimethylphenol
Concen: 8.818 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.2	94.2	141.2
121	52.5	47.3	70.9

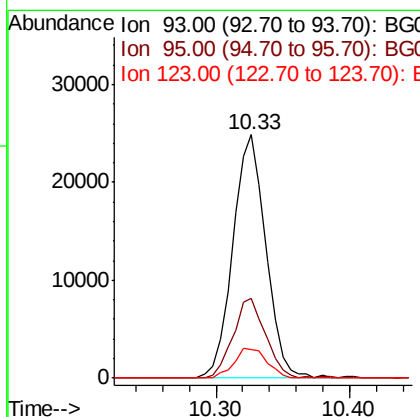
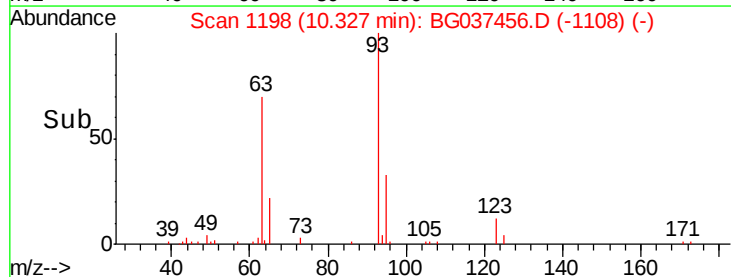
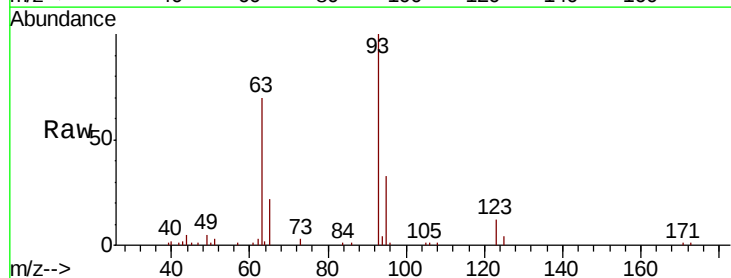
Manual Integrations
APPROVED

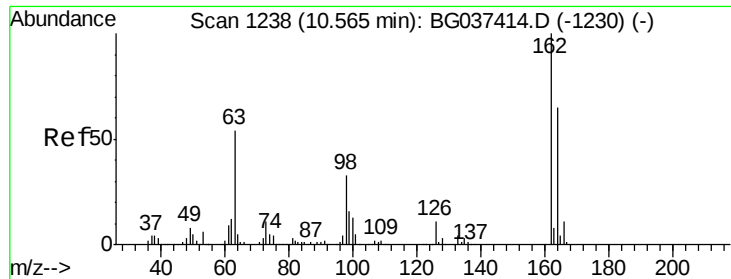
Sohil
10/22/2018 3:39:18 PM



#28
bis(2-Chloroethoxy)methane
Concen: 8.111 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	24.6	37.0
123	11.9	9.1	13.7





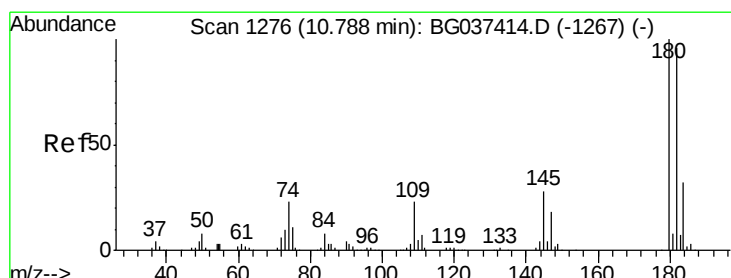
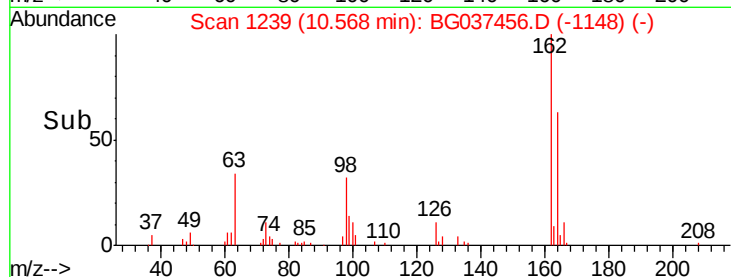
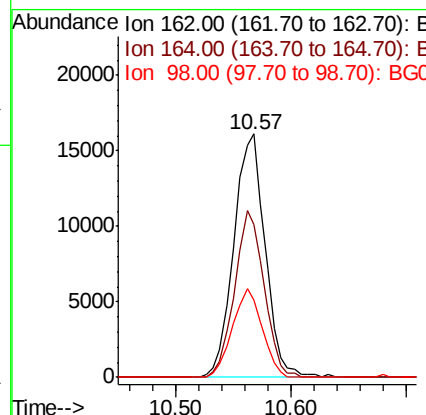
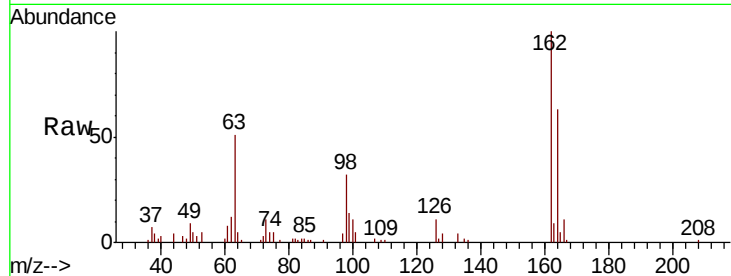
#29
2,4-Dichlorophenol
Concen: 7.418 ng
RT: 10.57 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	30226		
164	62.8	43.2	83.2	
98	31.7	16.0	56.0	

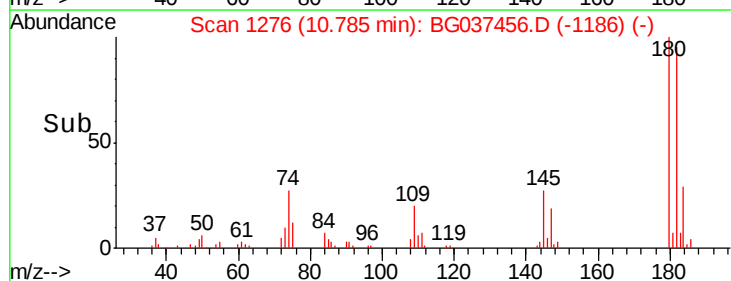
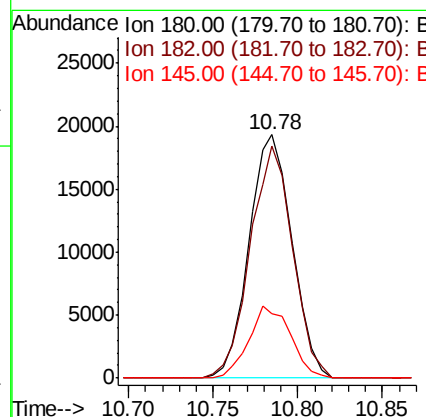
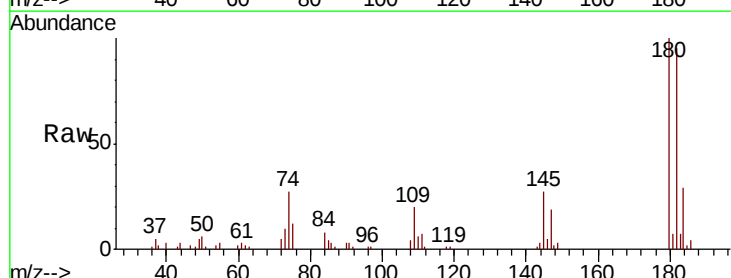
Manual Integrations
APPROVED

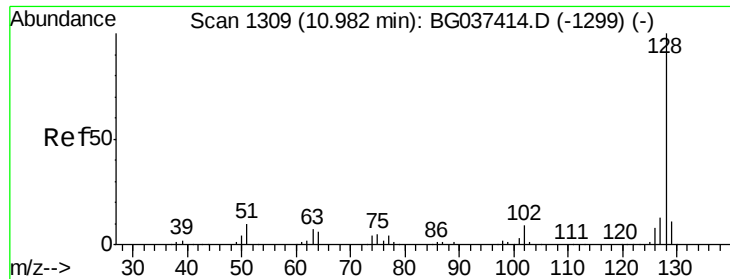
Sohil
10/22/2018 3:39:18 PM



#30
1,2,4-Trichlorobenzene
Concen: 7.690 ng
RT: 10.78 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34071		
182	95.1	77.7	116.5	
145	26.5	23.3	34.9	





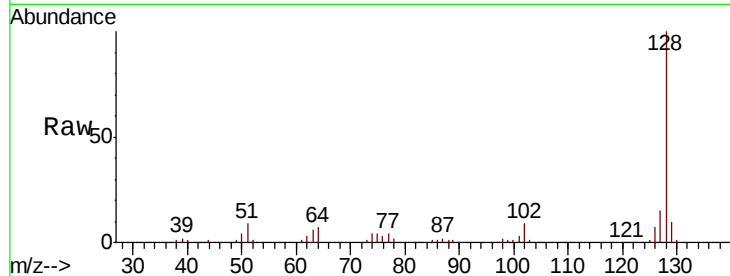
#31
Naphthalene
Concen: 8.500 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

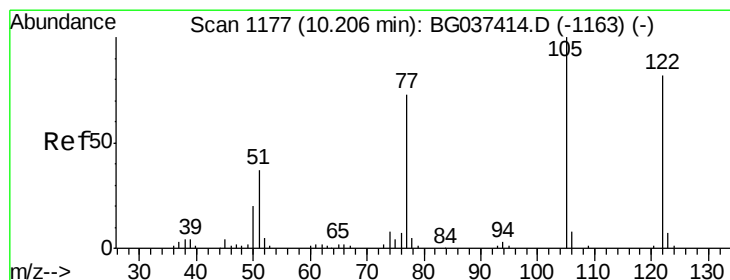
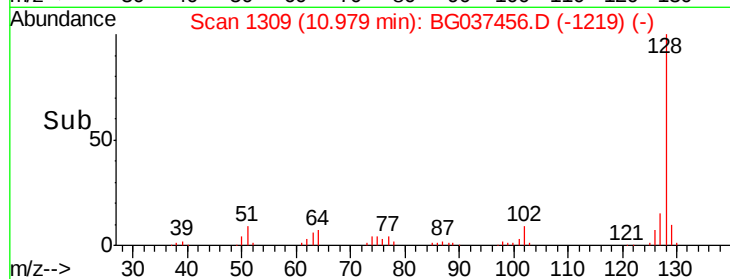
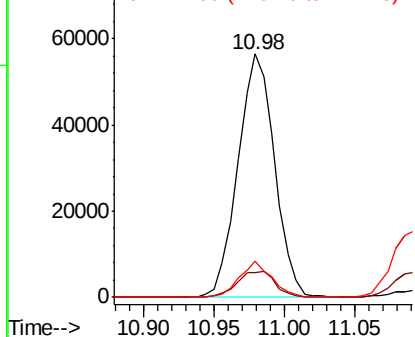
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	102423		
129	10.1	9.0	13.6	
127	15.0	11.1	16.7	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

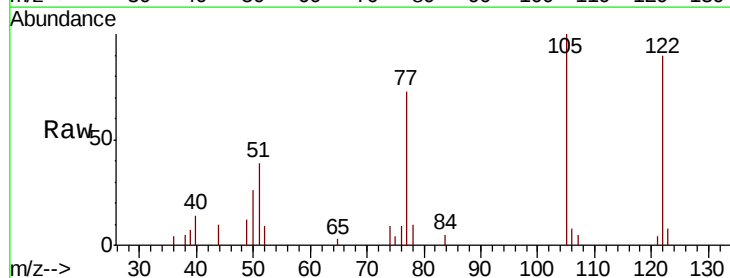


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

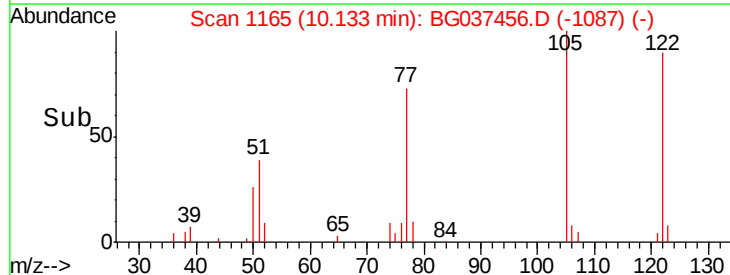
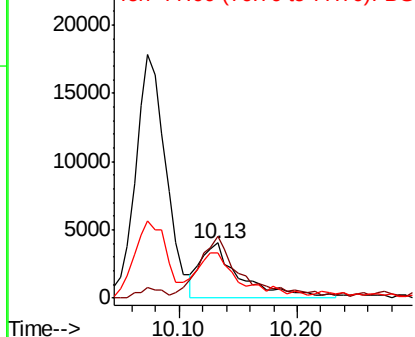


#32
Benzoic acid
Concen: 4.052 ng m
RT: 10.13 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	9631		
105	111.6	106.7	146.7	
77	81.2	72.2	112.2	



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO





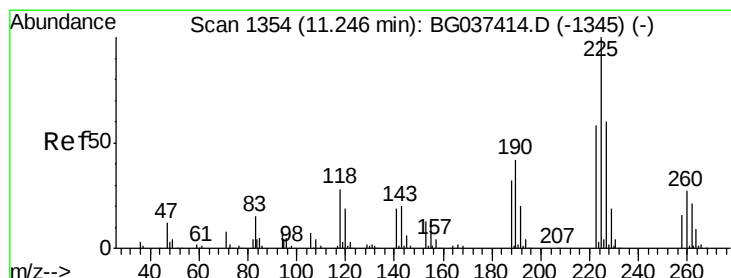
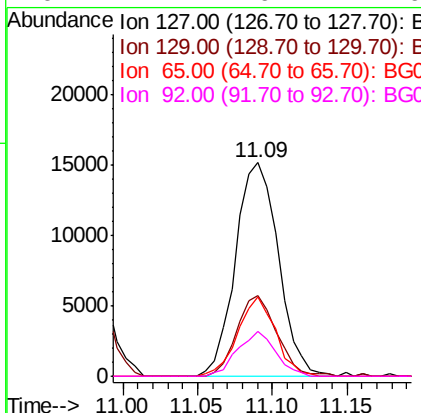
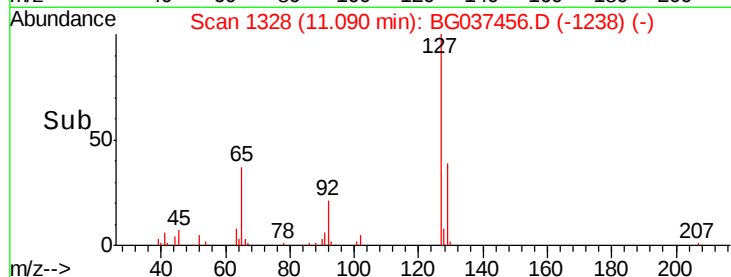
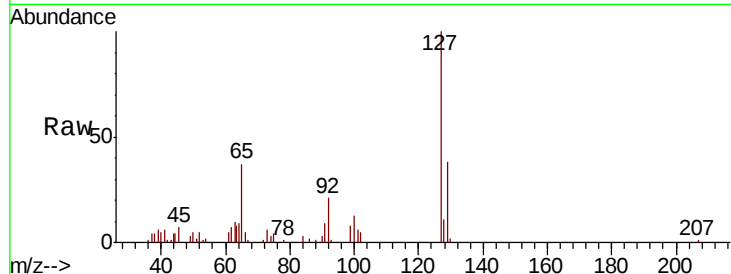
#33
4-Chloroaniline
Concen: 5.342 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	30248		
129	38.1	27.1	40.7	
65	37.0	26.6	39.8	
92	21.2	16.4	24.6	

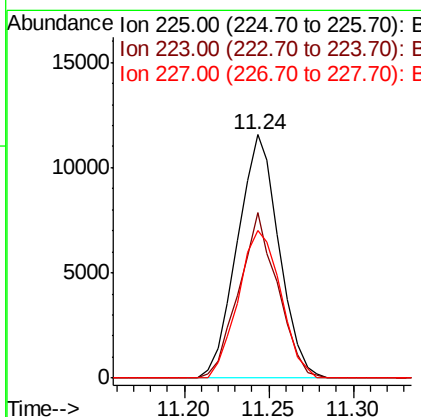
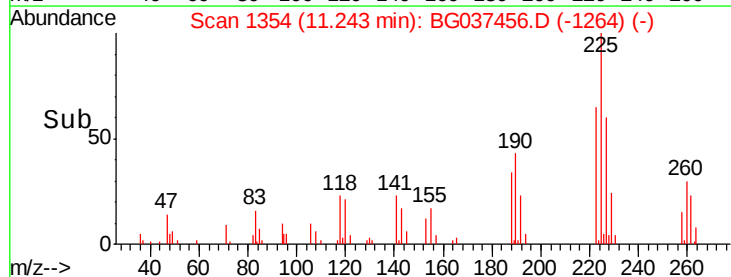
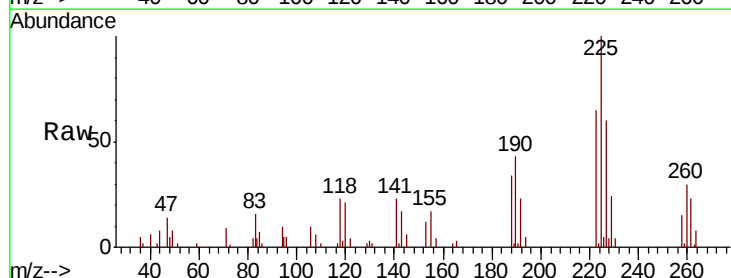
Manual Integrations
APPROVED

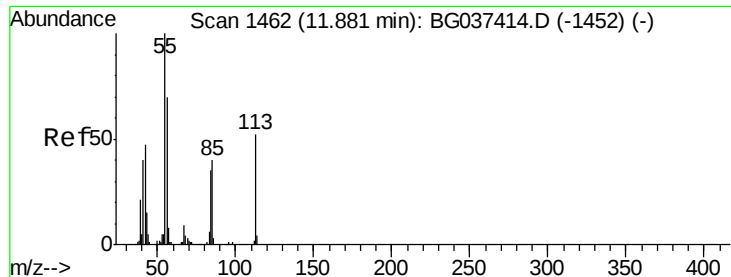
Sohil
10/22/2018 3:39:18 PM



#34
Hexachlorobutadiene
Concen: 7.523 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19757		
223	64.5	48.2	72.4	
227	61.2	51.6	77.4	





#35

Caprolactam

Concen: 6.382 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:113 Resp: 10428

Ion Ratio Lower Upper

113 100

55 189.5 176.6 216.6

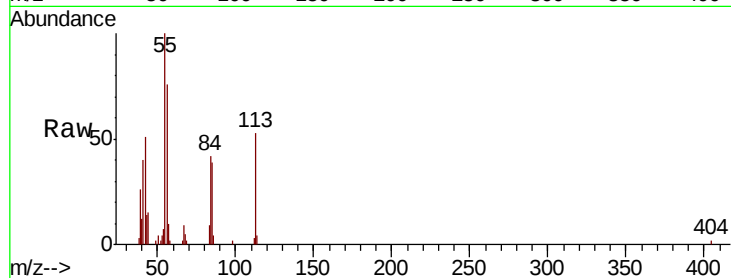
56 144.8 128.3 168.3

Manual Integrations

APPROVED

Sohil

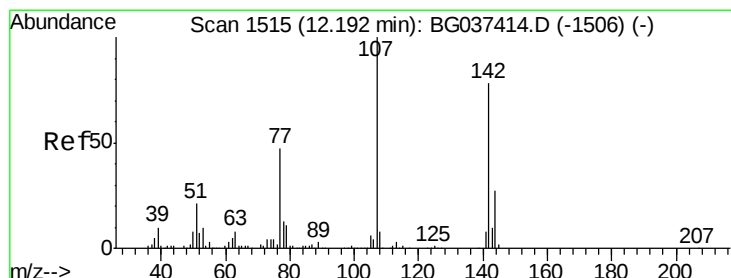
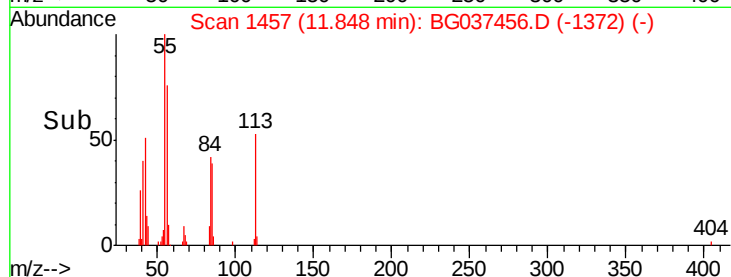
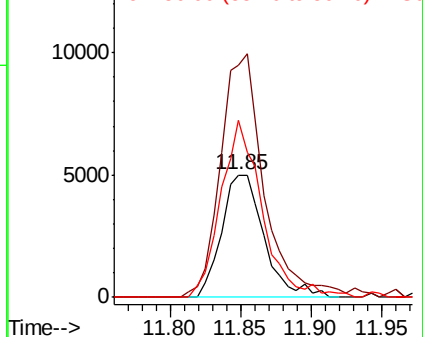
10/22/2018 3:39:18 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG037414.D (-1452) (-)

Ion 56.00 (55.70 to 56.70): BG037414.D (-1452) (-)



#36

4-Chloro-3-methylphenol

Concen: 7.587 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

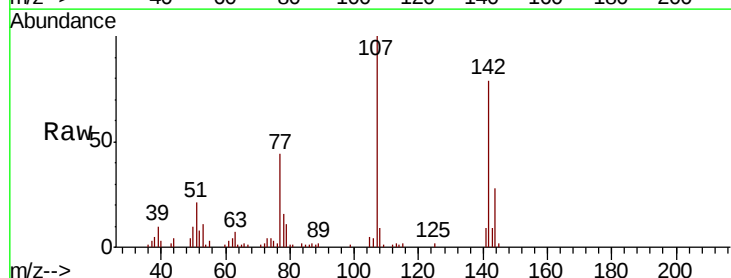
Tgt Ion:107 Resp: 34863

Ion Ratio Lower Upper

107 100

144 28.1 20.7 31.1

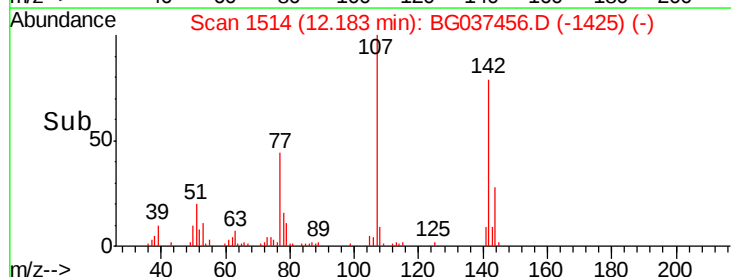
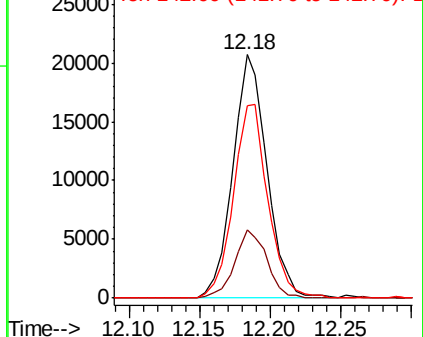
142 78.9 64.4 96.6

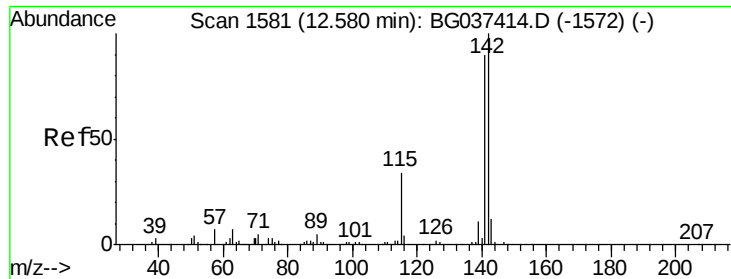


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





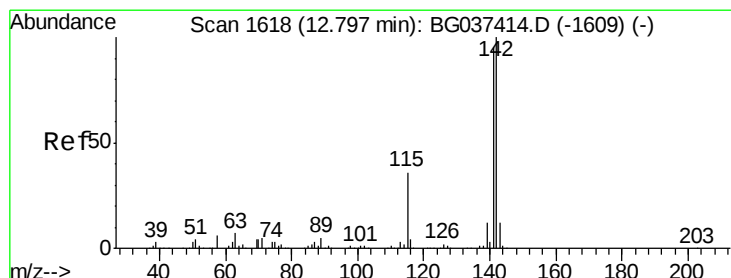
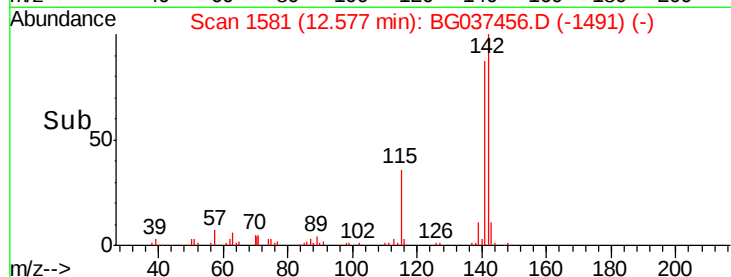
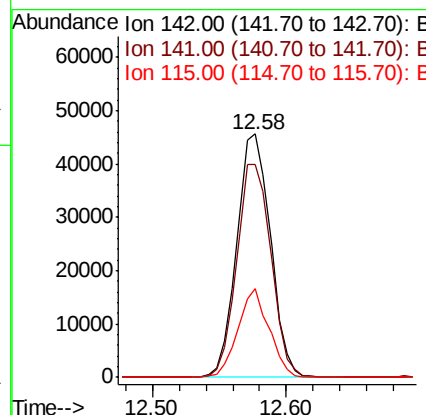
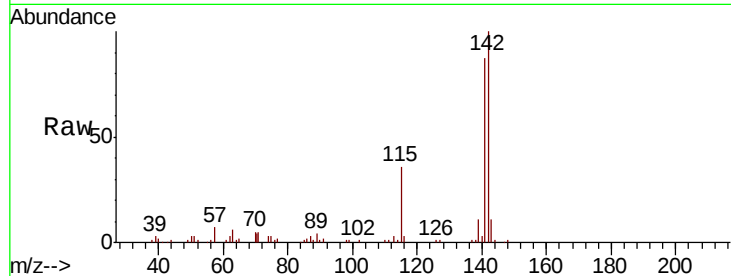
#37
 2-Methylnaphthalene
 Concen: 9.081 ng
 RT: 12.58 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.9	107.9
115	36.4	27.8	41.8

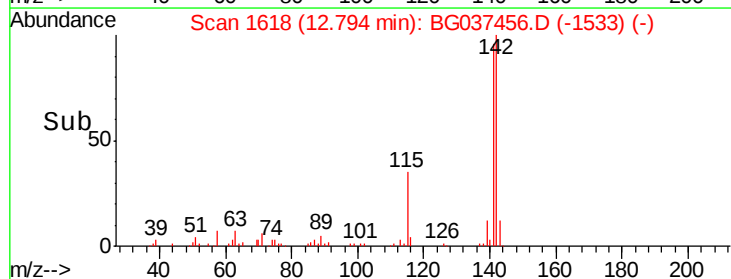
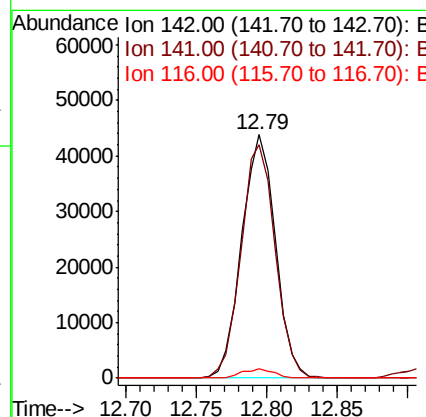
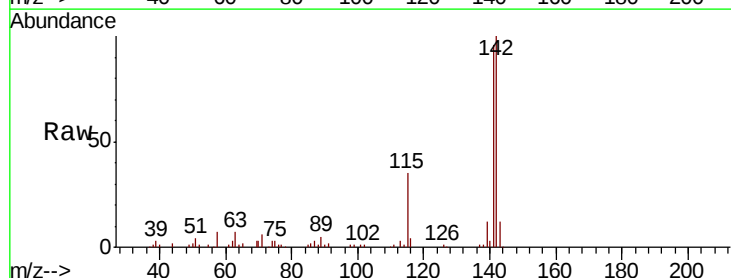
Manual Integrations
 APPROVED

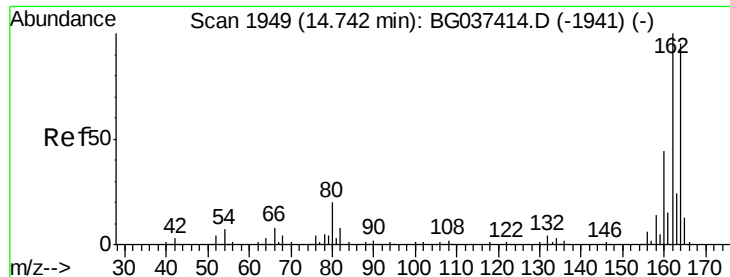
Sohil
 10/22/2018 3:39:18 PM



#38
 1-Methylnaphthalene
 Concen: 8.598 ng
 RT: 12.79 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	75.2	112.8
116	4.0	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:164 Resp: 164056

Ion Ratio Lower Upper

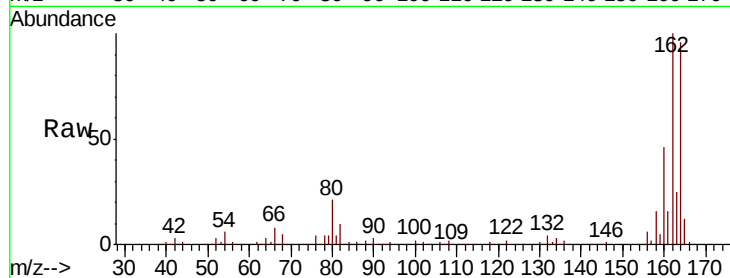
164 100

162 104.2 81.3 121.9

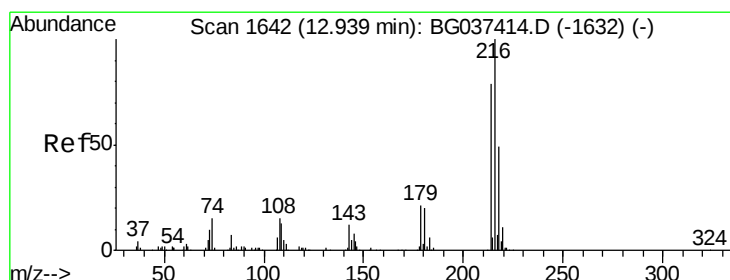
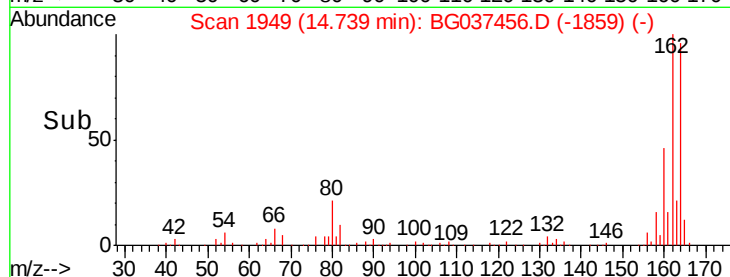
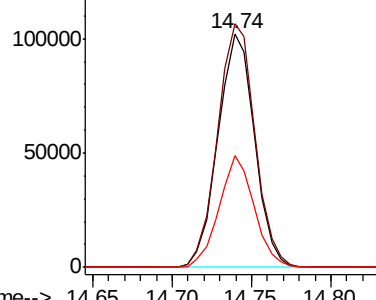
160 47.7 36.3 54.5

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.664 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:216 Resp: 40555

Ion Ratio Lower Upper

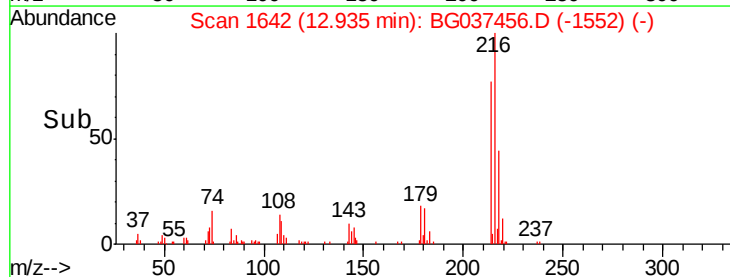
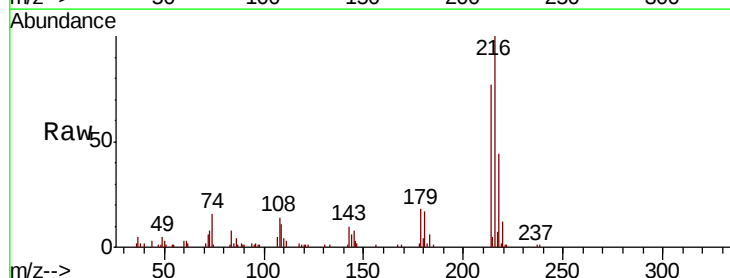
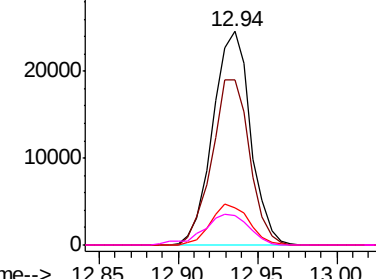
216 100

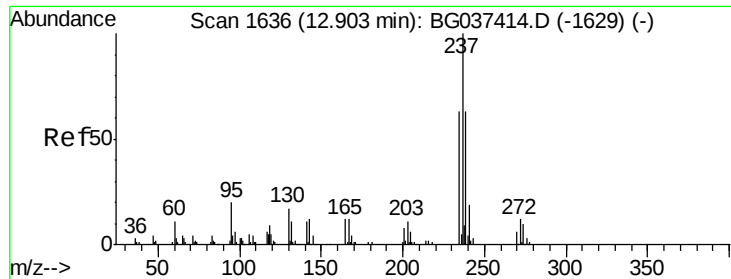
214 77.5 63.8 95.6

179 19.5 17.4 26.0

108 17.4 13.9 20.9

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





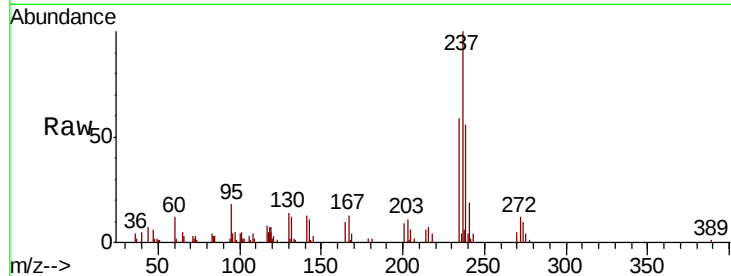
#41
Hexachlorocyclopentadiene
Concen: 8.235 ng
RT: 12.91 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

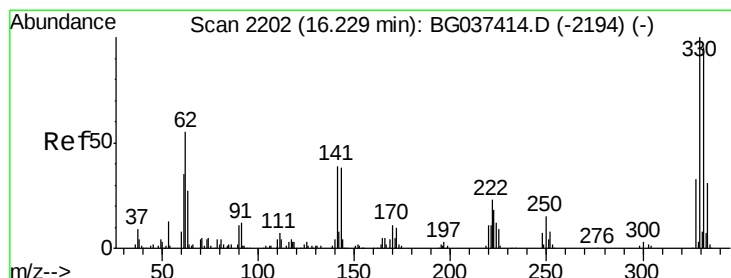
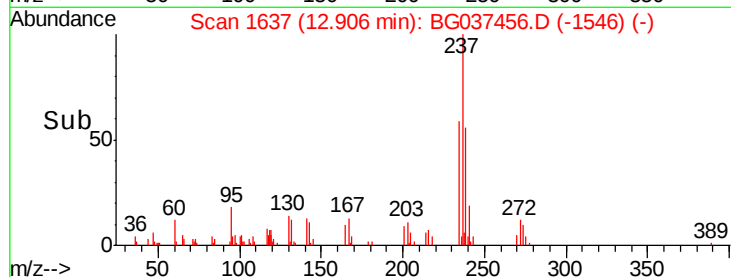
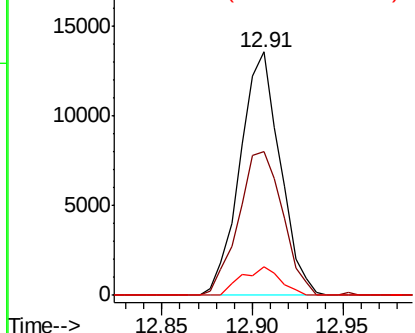
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	20815		
235	59.3	42.5	82.5	
272	12.0	0.0	31.6	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

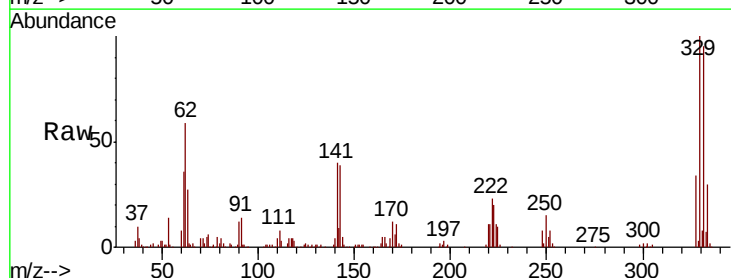


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

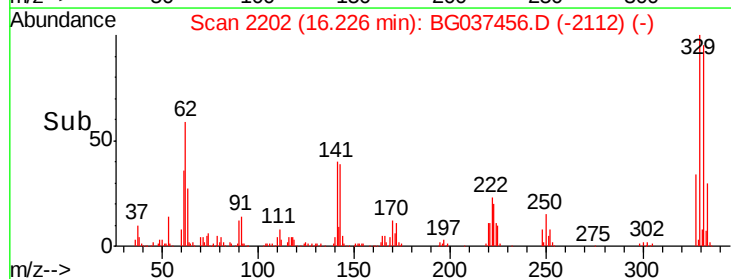
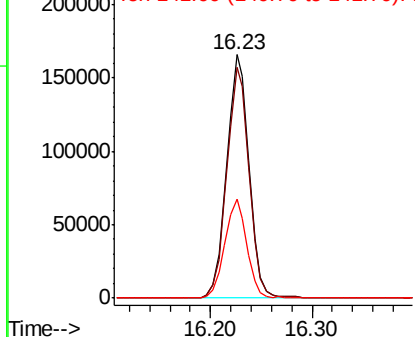


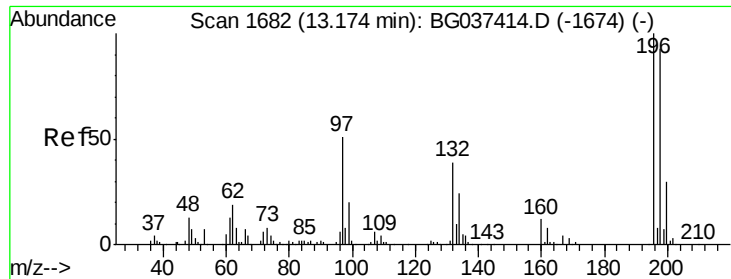
#42
2,4,6-Tribromophenol
Concen: 140.823 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	251981		
332	95.1	78.4	117.6	
141	40.1	32.2	48.2	



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





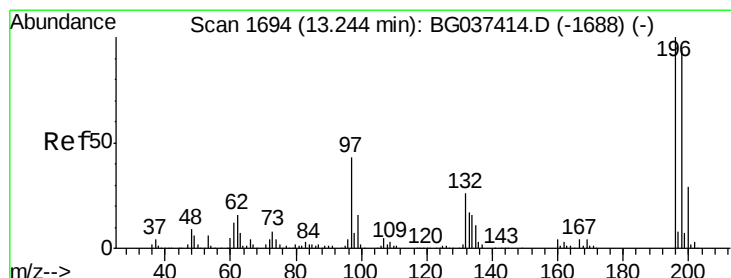
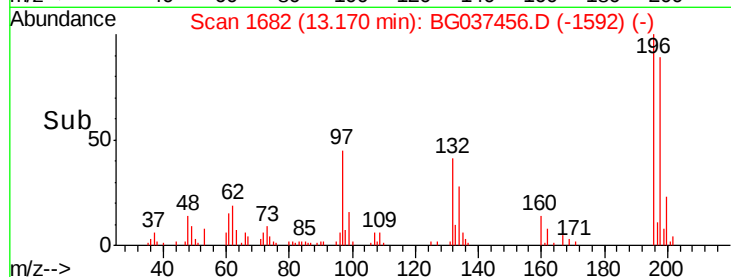
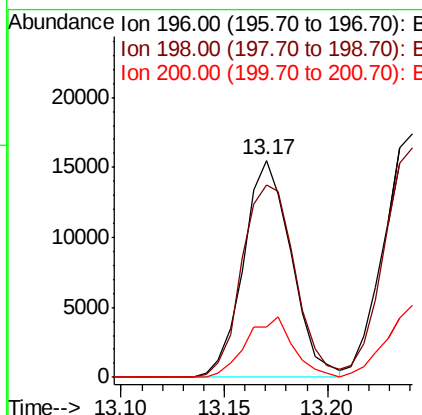
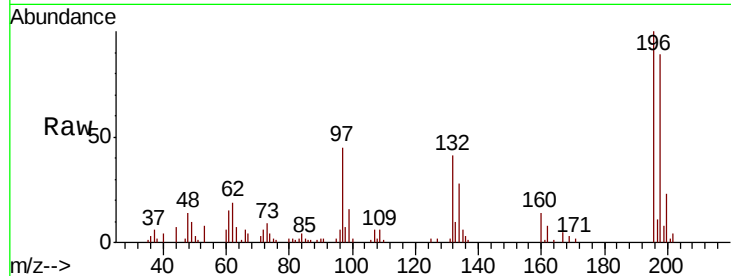
#43
2,4,6-Trichlorophenol
Concen: 7.092 ng m
RT: 13.17 min Scan# 1682
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:196 Resp: 25073
Ion Ratio Lower Upper
196 100
198 88.9 76.4 114.6
200 23.1 24.9 37.3#

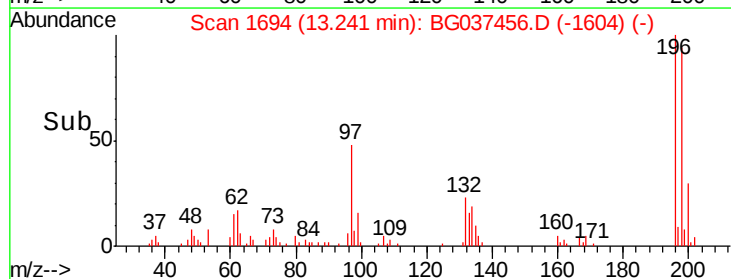
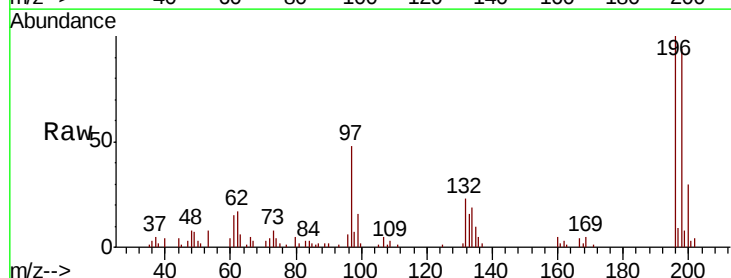
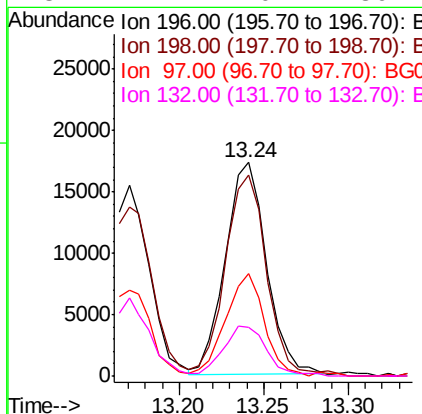
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#44
2,4,5-Trichlorophenol
Concen: 7.620 ng
RT: 13.24 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:196 Resp: 29329
Ion Ratio Lower Upper
196 100
198 94.3 74.2 111.2
97 47.7 34.1 51.1
132 22.7 20.2 30.4





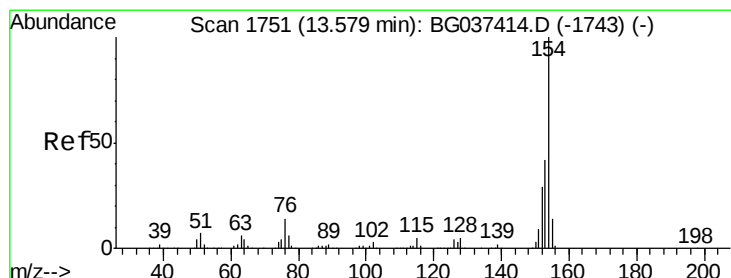
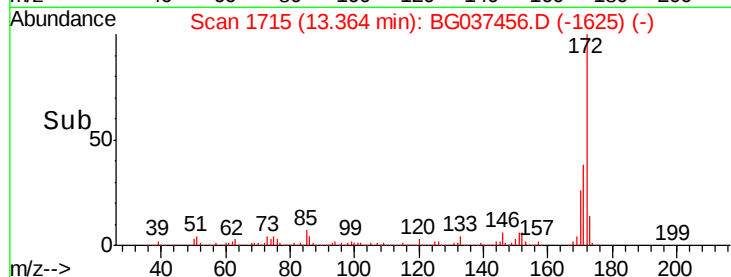
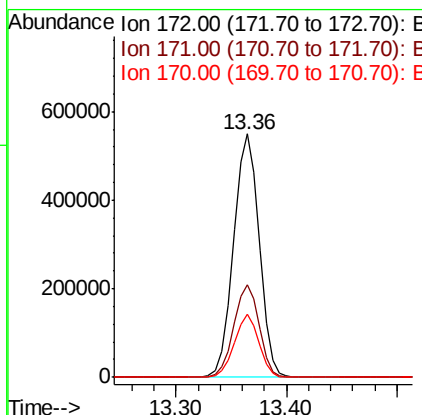
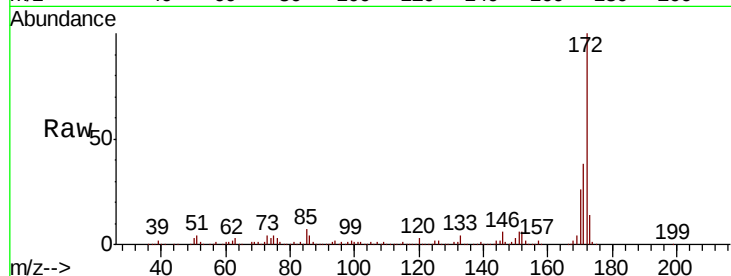
#45
2-Fluorobiphenyl
Concen: 82.331 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	38.2	31.0	46.4
170	26.1	20.2	30.2

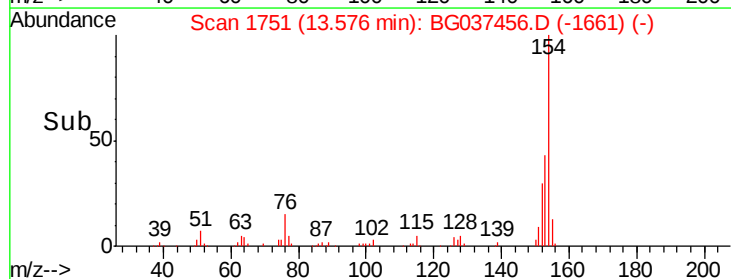
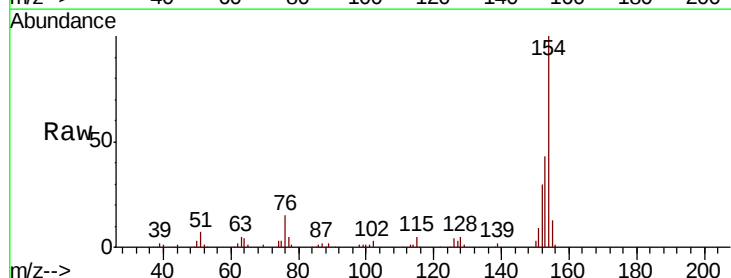
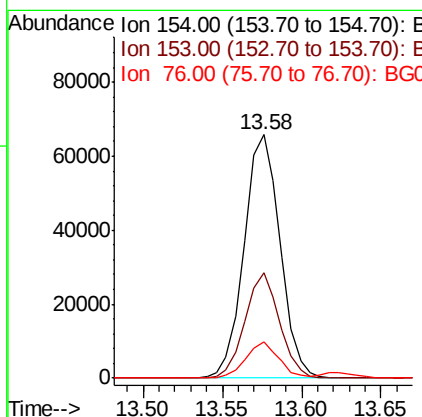
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#46
1,1'-Biphenyl
Concen: 7.616 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	43.2	22.1	62.1
76	15.0	0.0	33.2





#47

2-Chloronaphthalene

Concen: 8.097 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

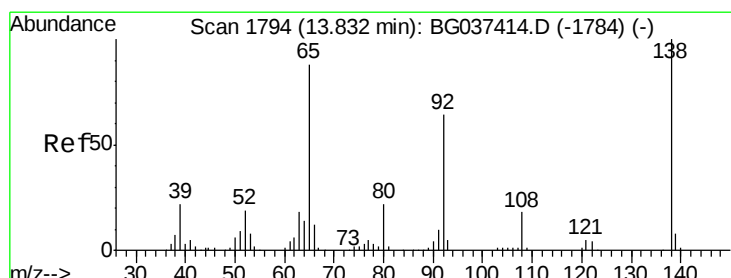
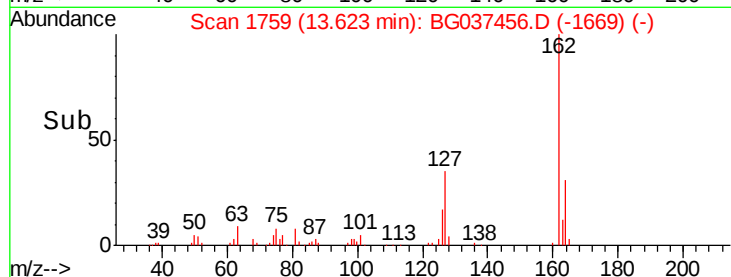
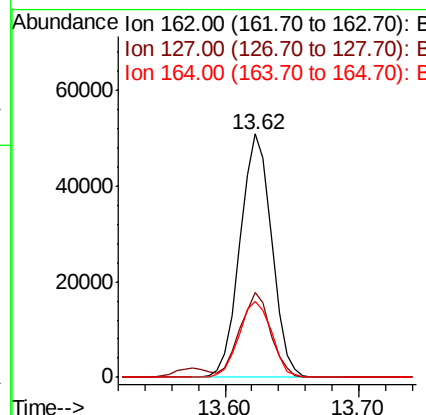
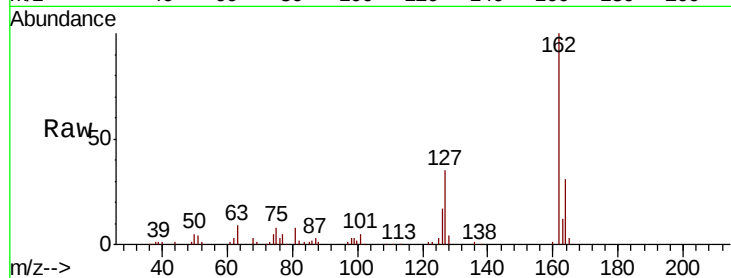
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	162	Resp:	83226
Ion Ratio		Lower	Upper
162	100		
127	34.7	30.5	45.7
164	31.0	26.4	39.6

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#48

2-Nitroaniline

Concen: 7.176 ng

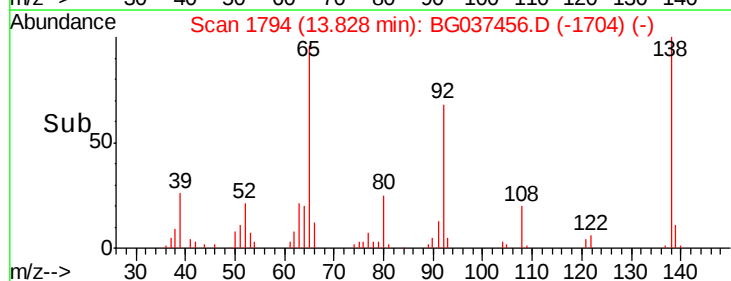
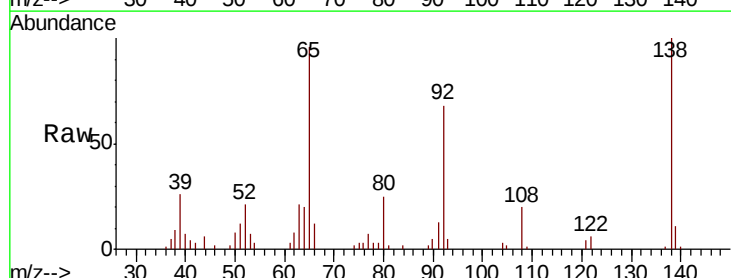
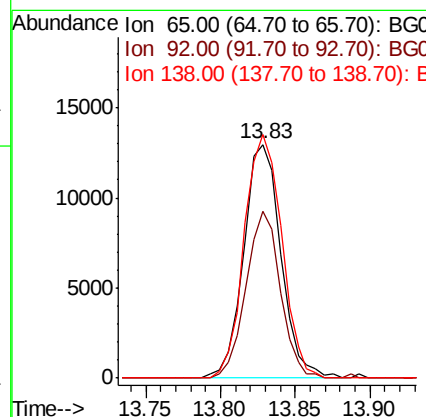
RT: 13.83 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	65	Resp:	22367
Ion Ratio		Lower	Upper
65	100		
92	71.2	53.2	79.8
138	104.2	79.3	118.9





#49

Acenaphthylene

Concen: 8.757 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037456.D

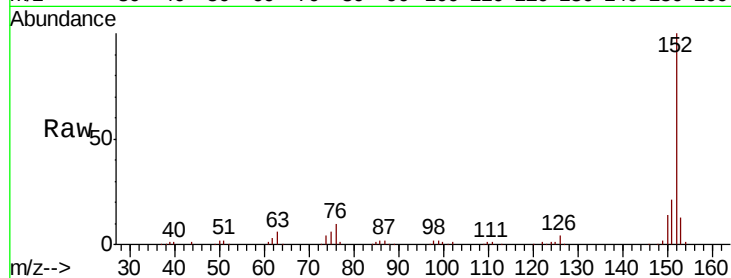
Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

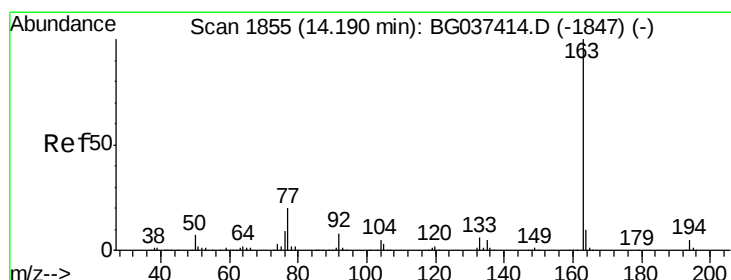
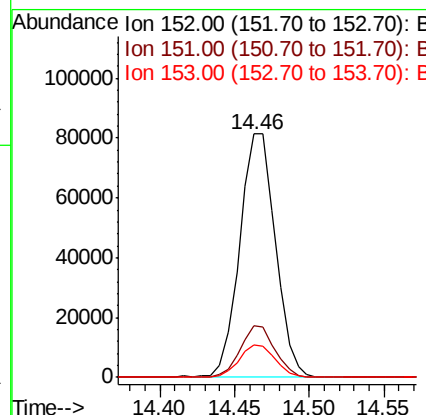
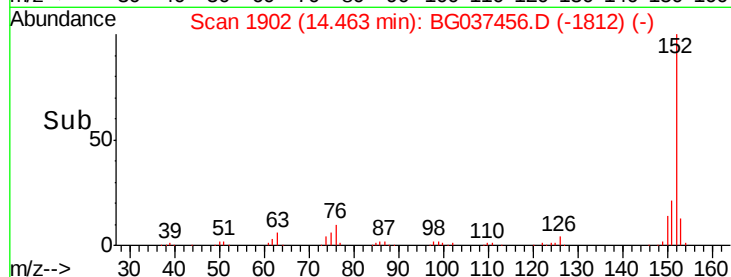
MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:	152	Resp:	135409
Ion Ratio	Lower	Upper	
152	100		
151	21.0	17.1	25.7
153	13.3	11.1	16.7

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#50

Dimethylphthalate

Concen: 8.513 ng

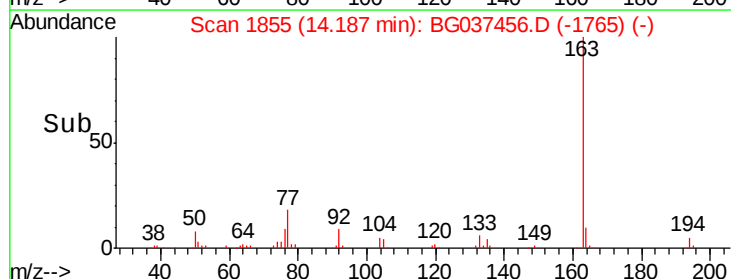
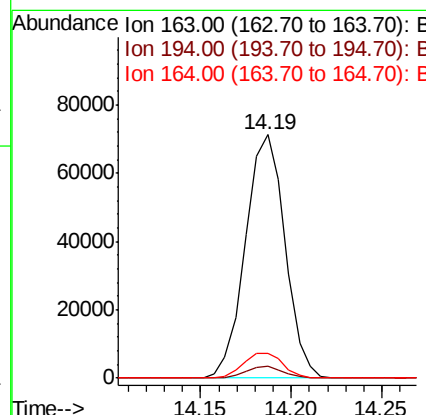
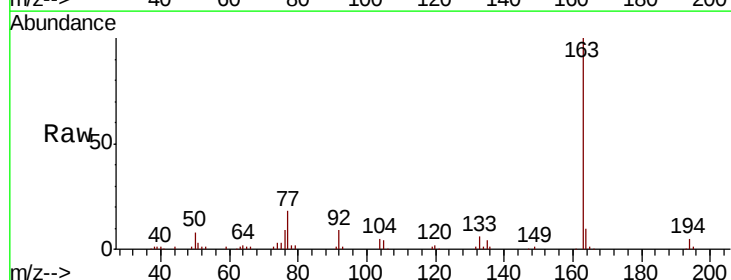
RT: 14.19 min Scan# 1855

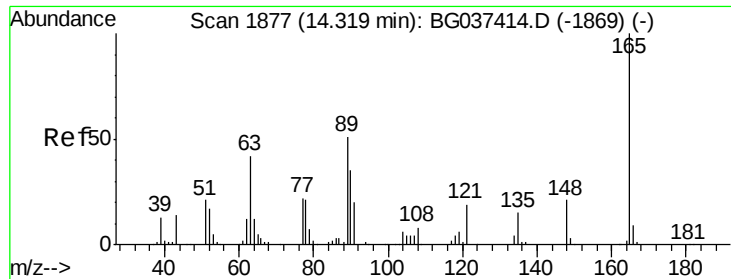
Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	163	Resp:	108044
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.5	5.3
164	10.4	8.5	12.7





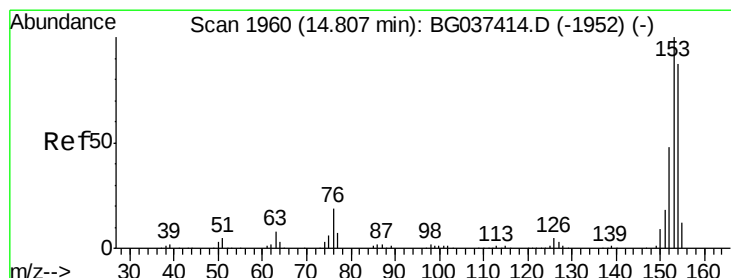
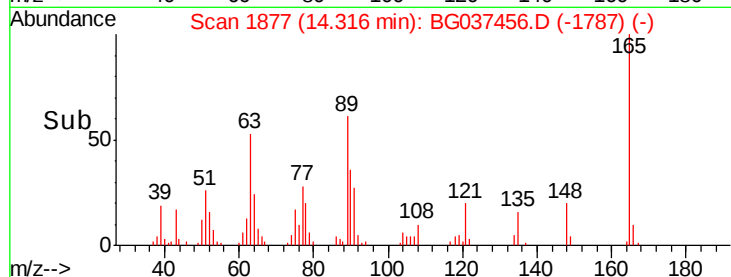
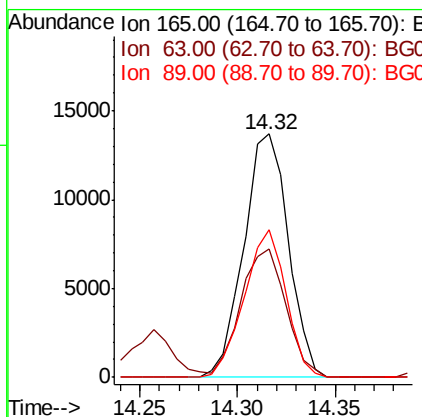
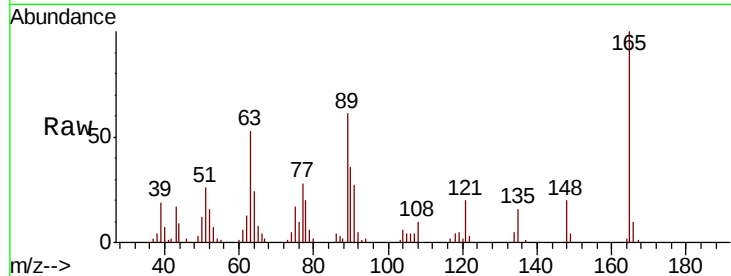
#51
 2,6-Dinitrotoluene
 Concen: 7.715 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	21660		
63	52.6	43.4	65.2	
89	60.7	45.8	68.6	

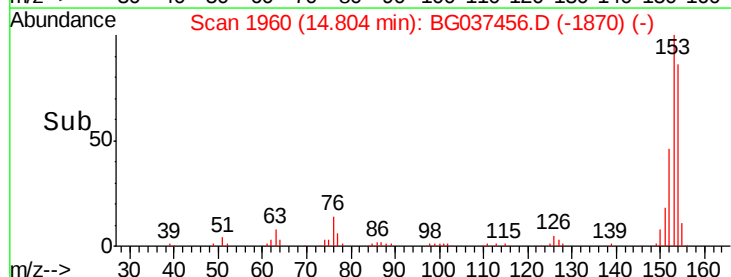
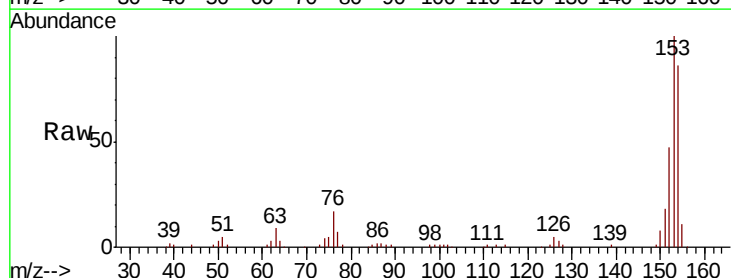
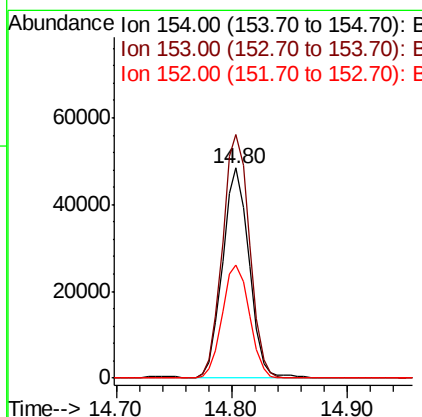
Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM



#52
 Acenaphthene
 Concen: 8.141 ng
 RT: 14.80 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	77529		
153	115.9	93.4	140.0	
152	54.0	44.7	67.1	





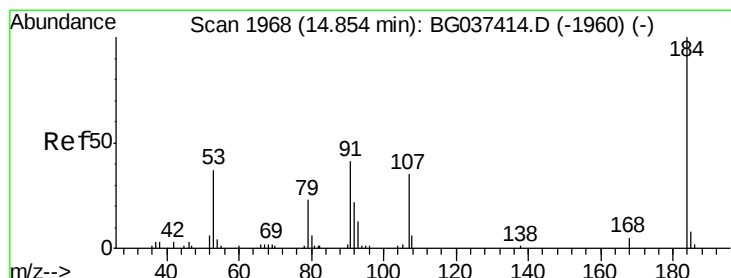
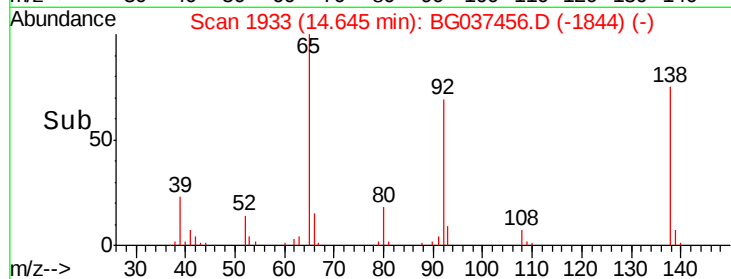
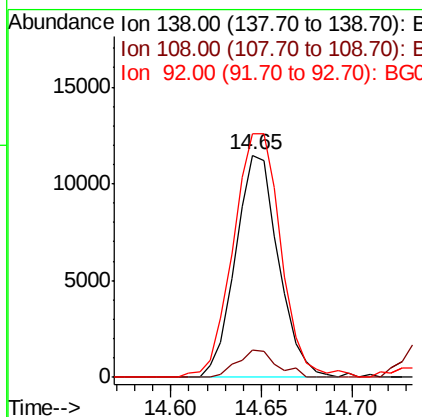
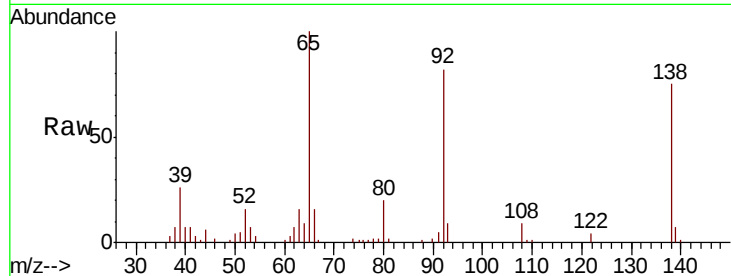
#53
 3-Nitroaniline
 Concen: 6.066 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:138 Resp: 18907
 Ion Ratio Lower Upper
 138 100
 108 12.5 11.0 16.6
 92 109.5 95.2 142.8

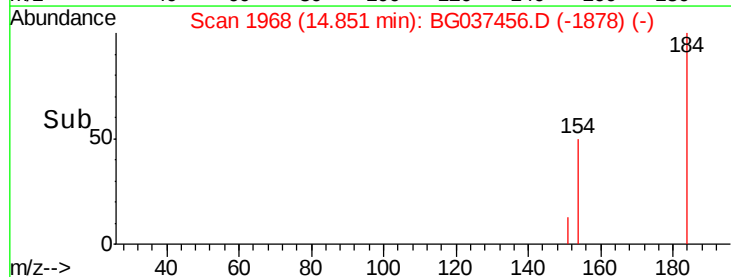
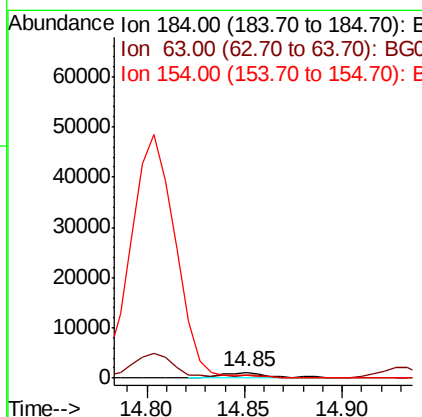
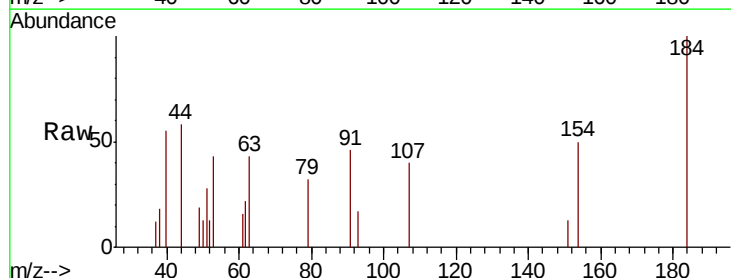
Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM



#54
 2,4-Dinitrophenol
 Concen: 8.917 ng
 RT: 14.85 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:184 Resp: 1847
 Ion Ratio Lower Upper
 184 100
 63 42.8 42.6 63.8
 154 49.5 41.8 62.6





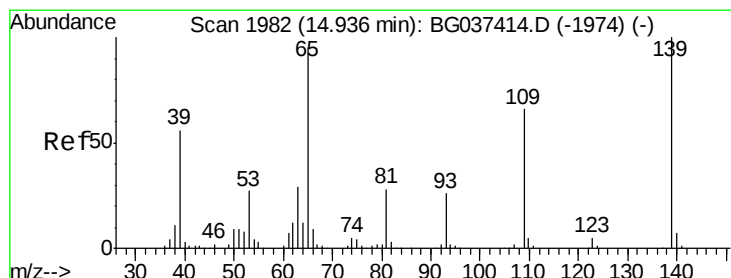
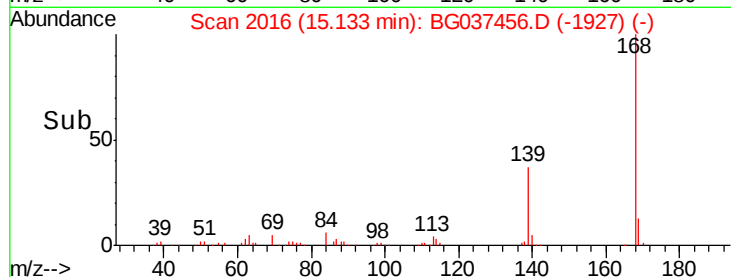
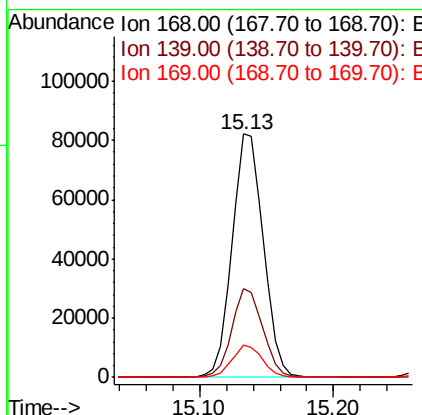
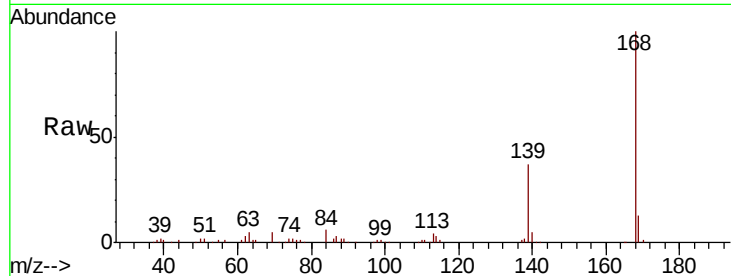
#55
Dibenzenofuran
Concen: 8.455 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.4	44.0
169	13.3	11.0	16.6

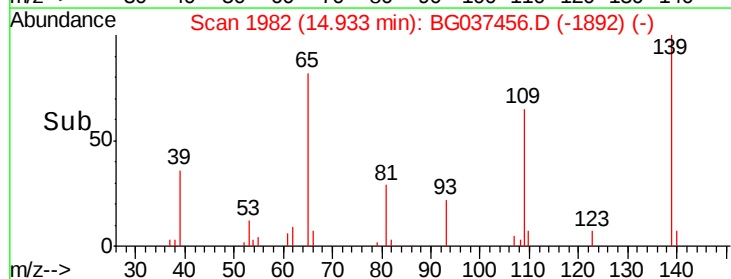
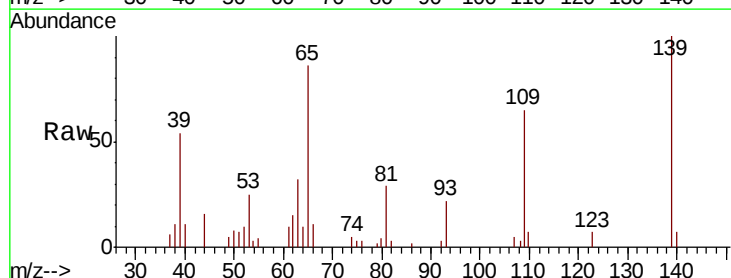
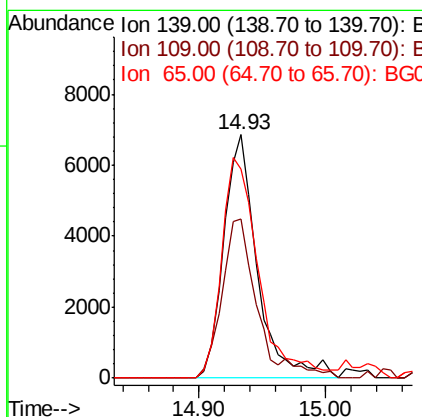
Manual Integrations
APPROVED

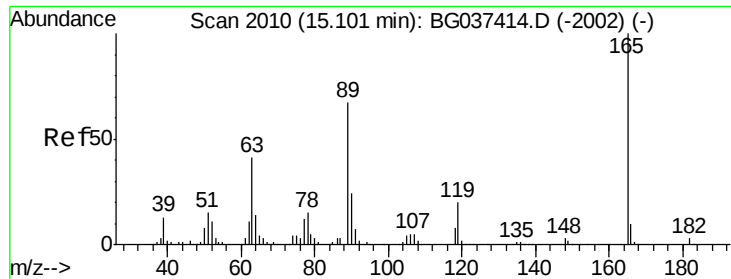
Sohil
10/22/2018 3:39:18 PM



#56
4-Nitrophenol
Concen: 5.443 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.2	49.5	89.5
65	85.9	76.8	116.8





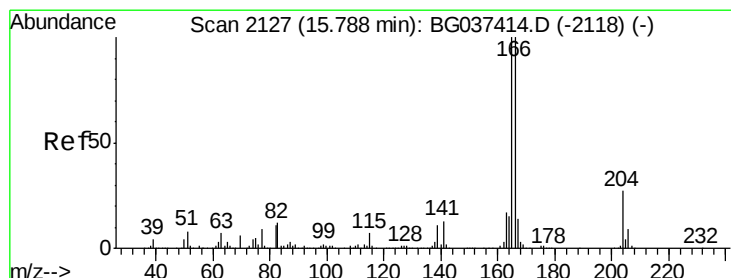
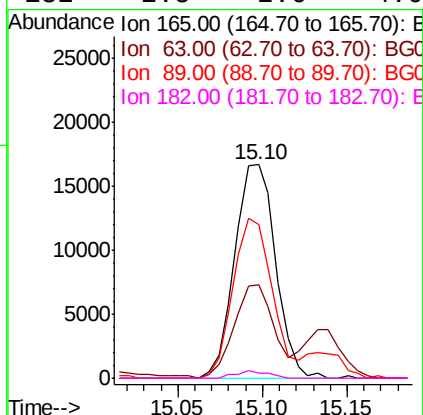
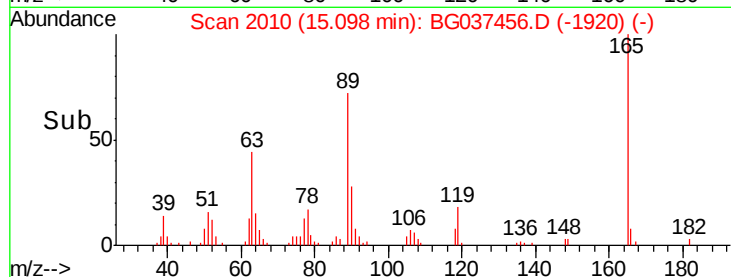
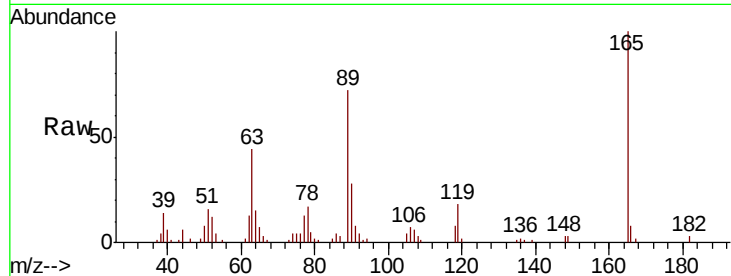
#57
2,4-Dinitrotoluene
Concen: 7.629 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	28115		
63	43.9	33.4	50.0	
89	71.7	57.2	85.8	
182	2.5	2.6	4.0	

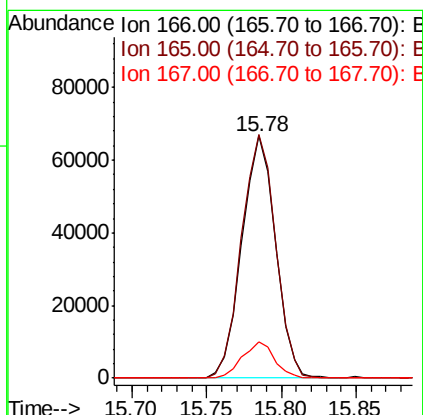
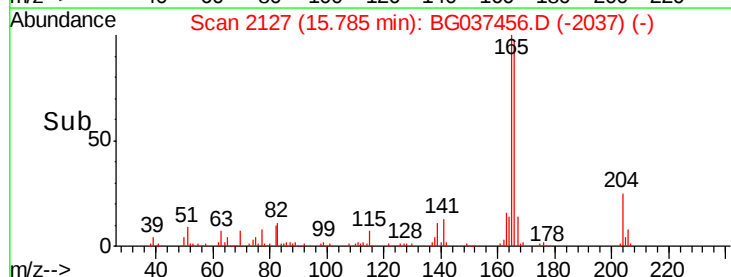
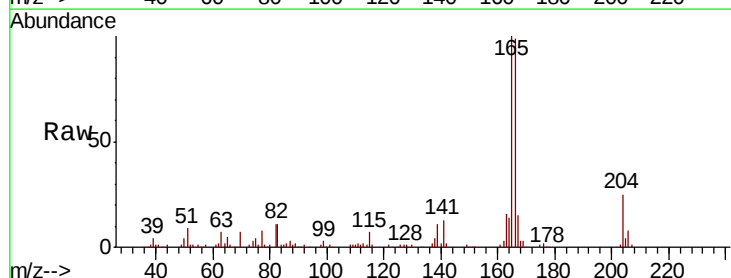
Manual Integrations
APPROVED

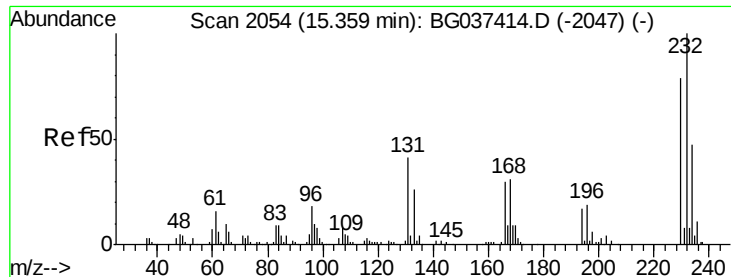
Sohil
10/22/2018 3:39:18 PM



#58
Fluorene
Concen: 8.799 ng
RT: 15.78 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	103957		
165	100.6	79.0	118.6	
167	15.0	11.3	16.9	





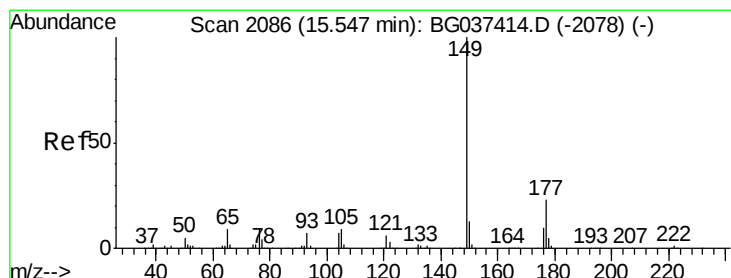
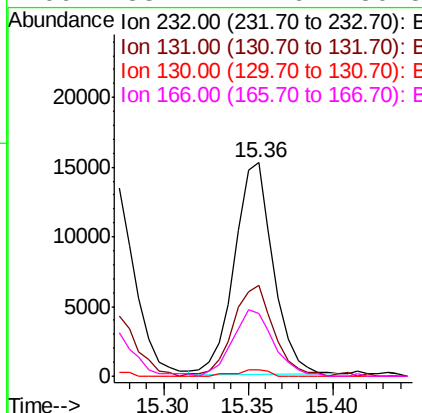
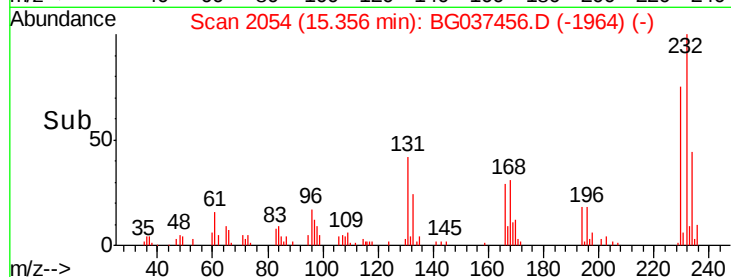
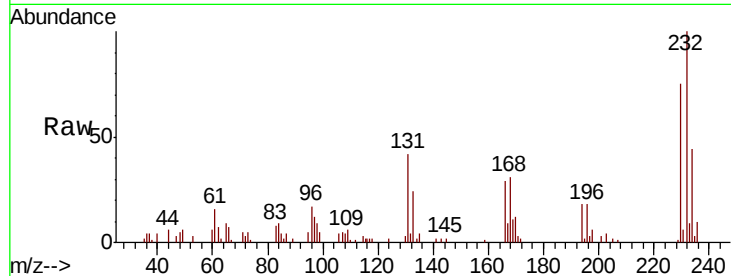
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.355 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
232	100		
131	45.0	33.7	50.5
130	2.6	2.1	3.1
166	33.1	24.6	36.8

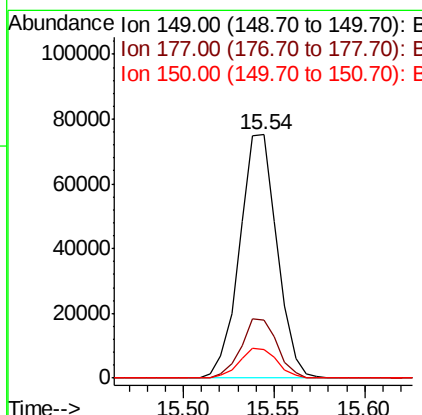
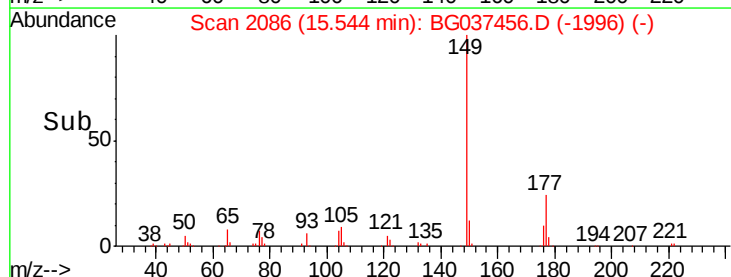
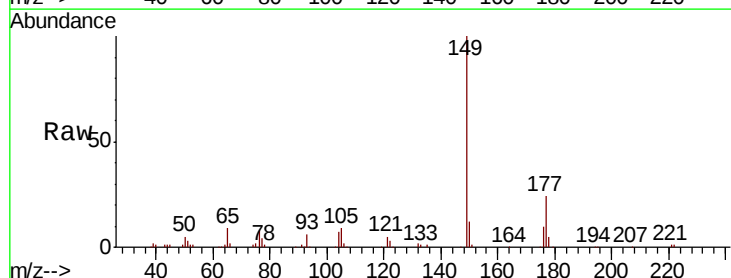
Manual Integrations
 APPROVED

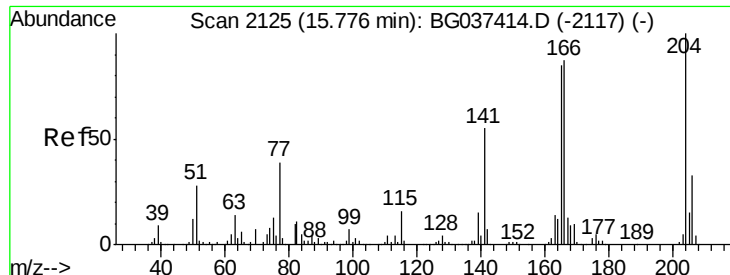
Sohil
 10/22/2018 3:39:18 PM



#60
 Diethylphthalate
 Concen: 8.249 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	12.0	10.0	15.0





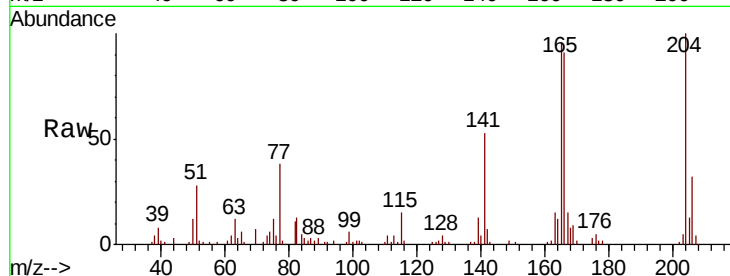
#61
4-Chlorophenyl-phenylether
Concen: 8.049 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.6	39.8
141	53.4	45.4	68.2

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

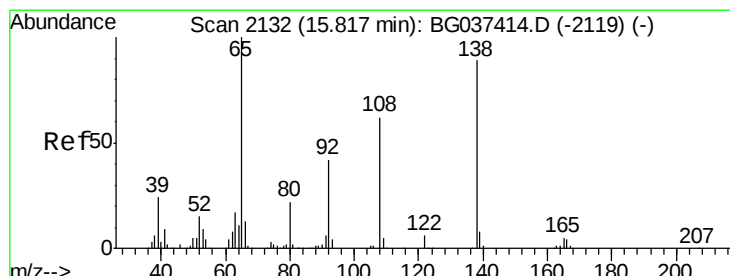
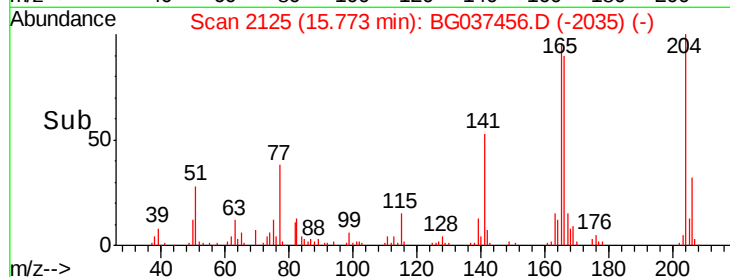
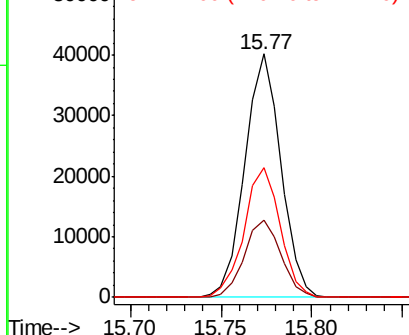


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 6.948 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

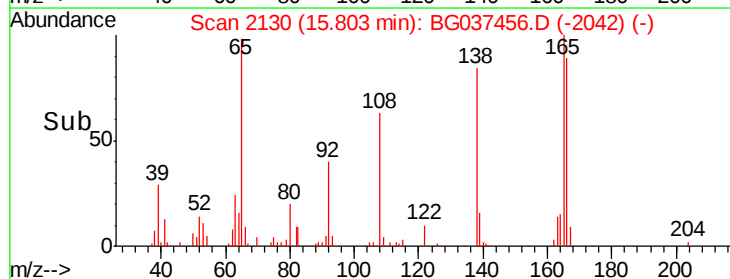
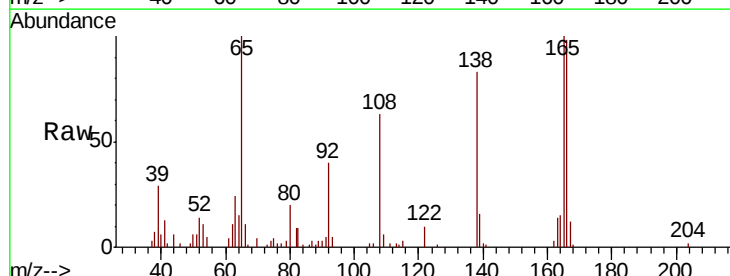
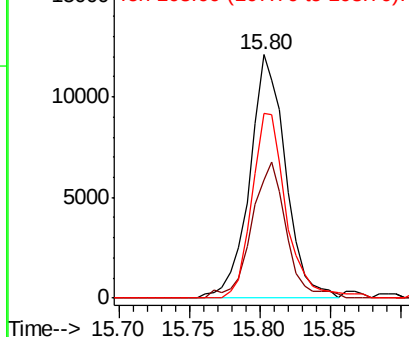
Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.4	36.4	76.4
108	75.8	60.1	100.1

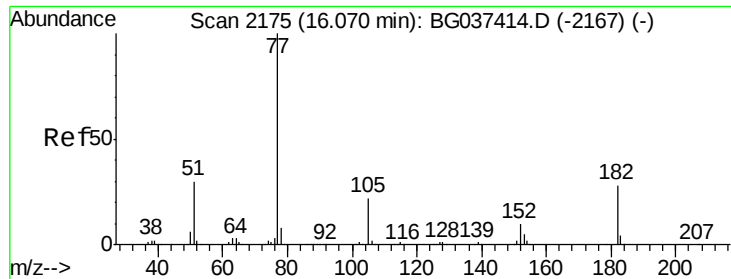
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





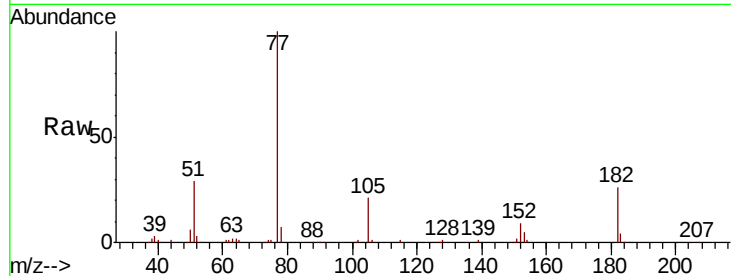
#63
Azobenzene
Concen: 8.469 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

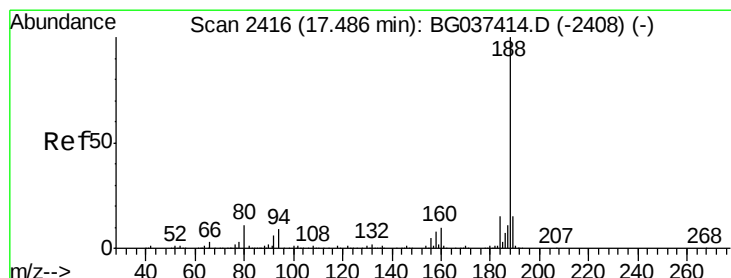
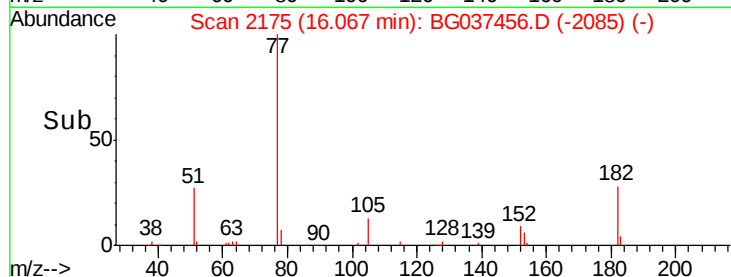
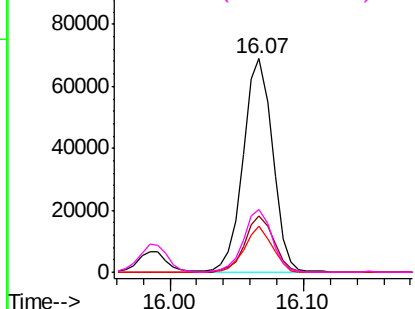
Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.3	8.0	48.0
105	21.4	1.3	41.3
51	29.1	10.7	50.7

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

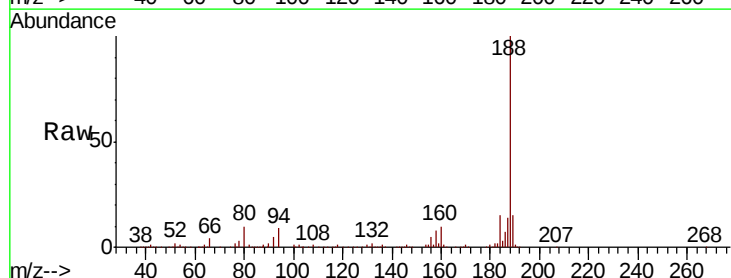


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

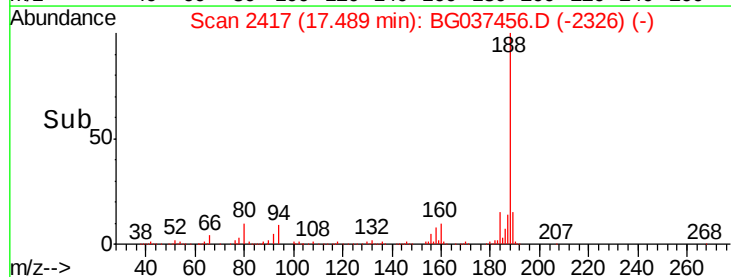
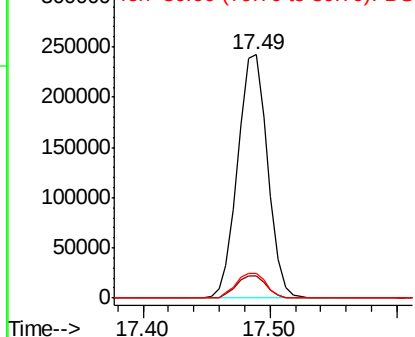


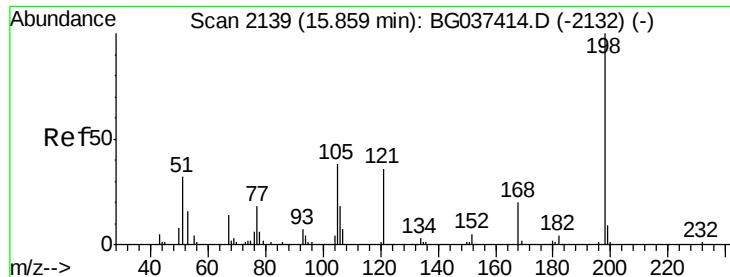
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.1	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 11.212 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

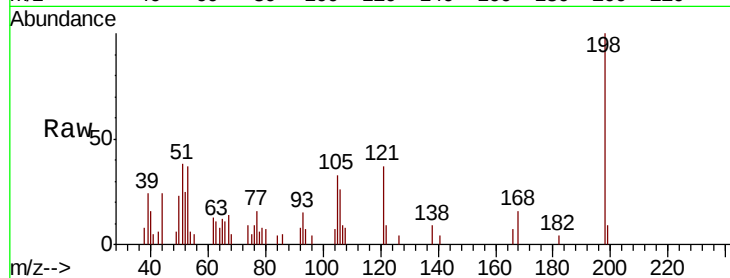
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

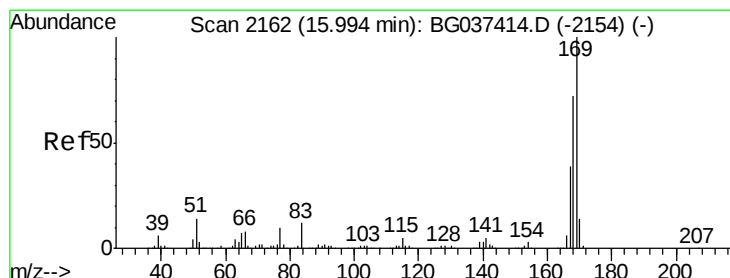
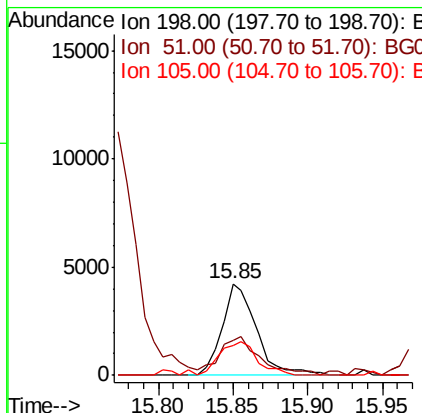
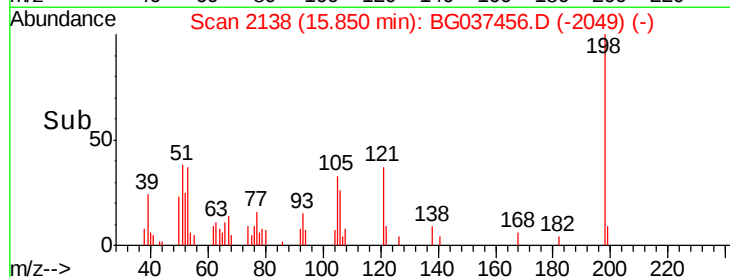
Tgt Ion:	198	Resp:	6826
Ion Ratio	Lower	Upper	
198	100		
51	37.9	22.7	62.7
105	32.8	19.7	59.7

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.940 ng

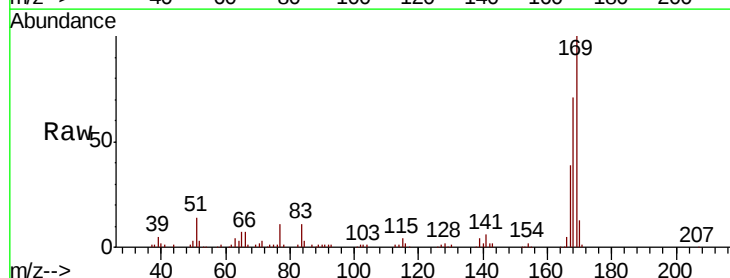
RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

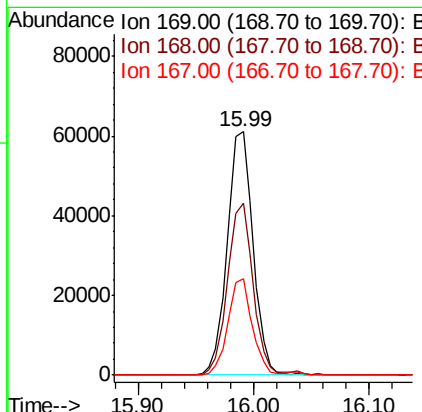
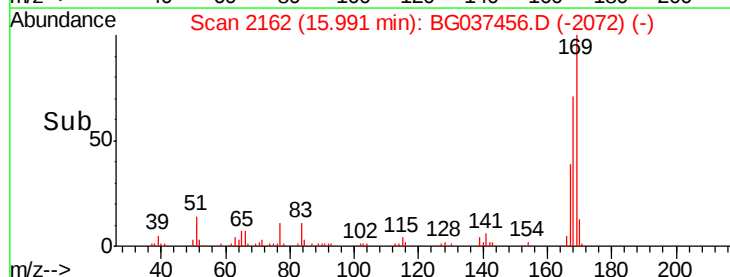
Lab File: BG037456.D

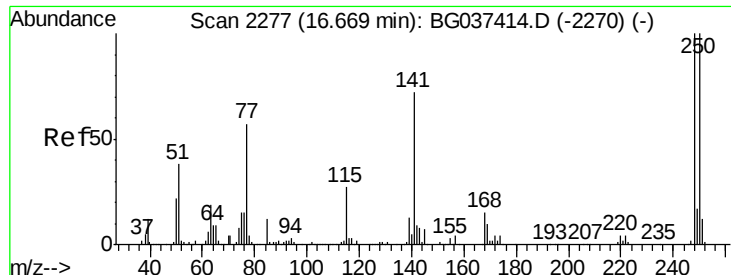
Acq: 19 Oct 2018 16:36

Tgt Ion:	169	Resp:	94511
Ion Ratio	Lower	Upper	
169	100		
168	70.6	55.7	83.5
167	39.4	31.3	46.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





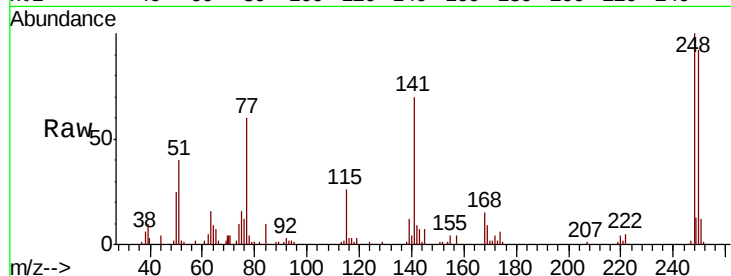
#67
 4-Bromophenyl-phenylether
 Concen: 7.452 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	32383		
250	92.0	77.0	115.6	
141	70.5	55.5	83.3	

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:18 PM

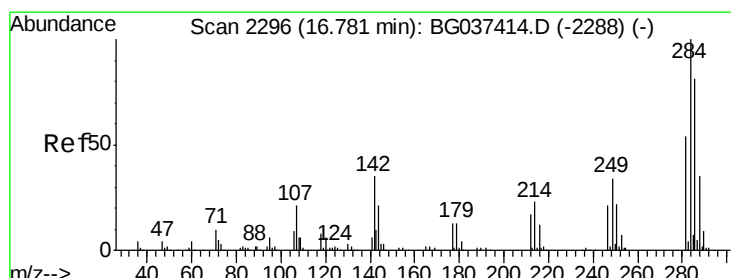
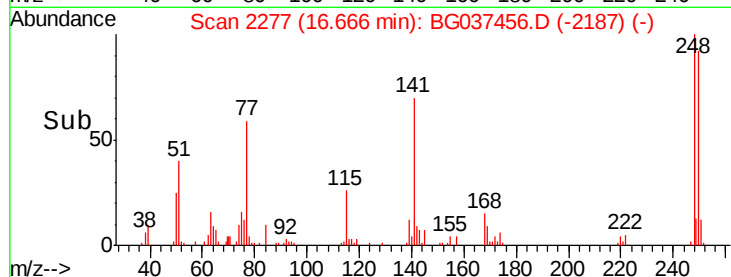
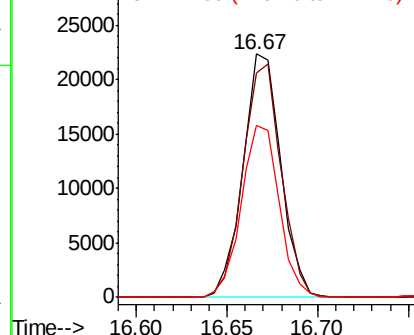


Abundance

Ion 248.00 (247.70 to 248.70): E

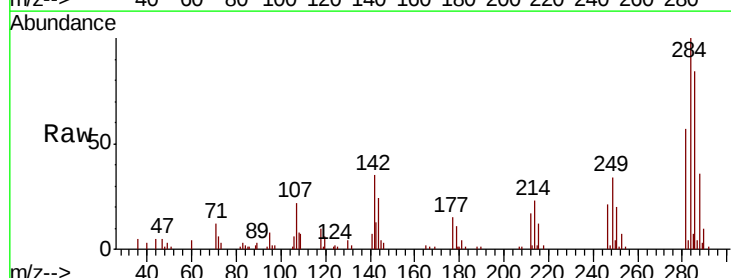
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 7.579 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	34133		
142	34.7	28.1	42.1	
249	37.9	29.8	44.8	

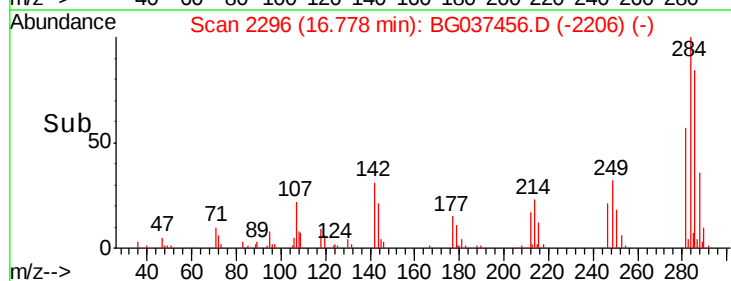
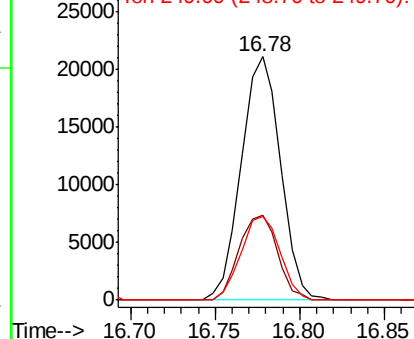


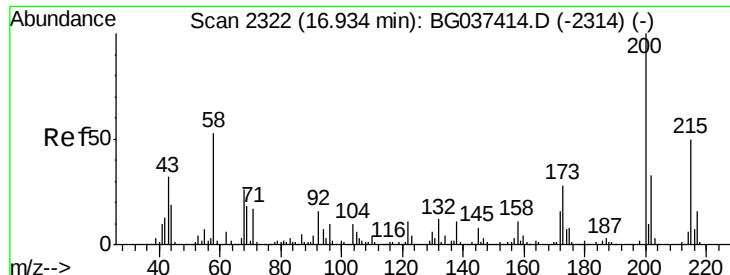
Abundance

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





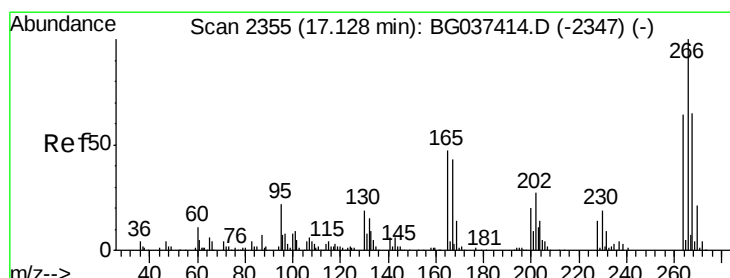
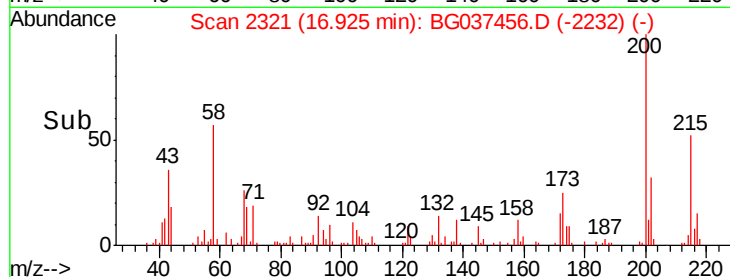
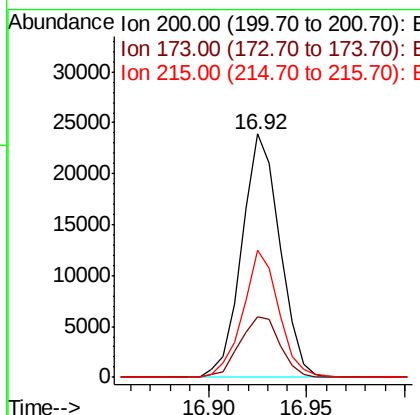
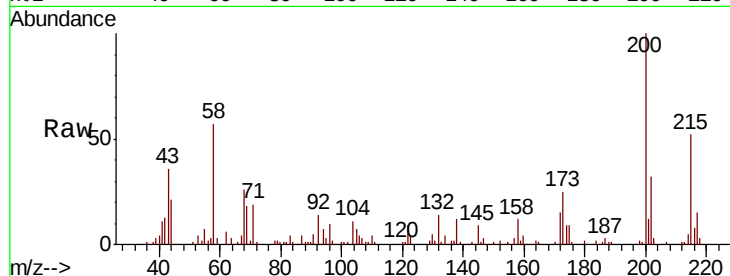
#69
Atrazine
Concen: 7.485 ng
RT: 16.92 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.0	6.1	46.1
215	52.2	30.8	70.8

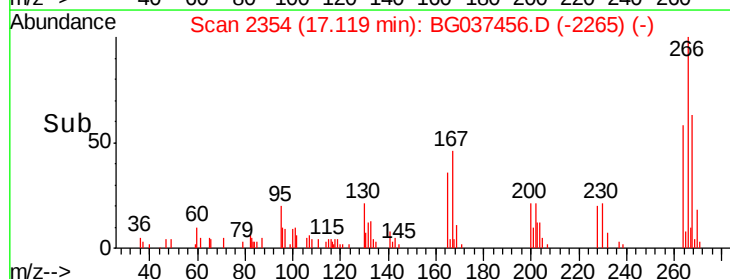
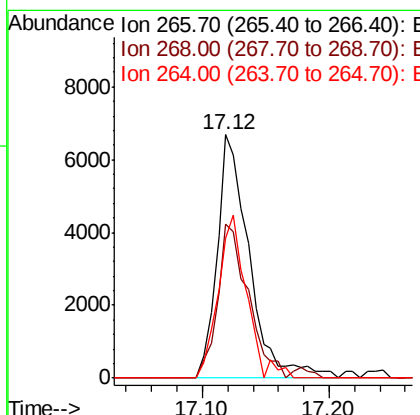
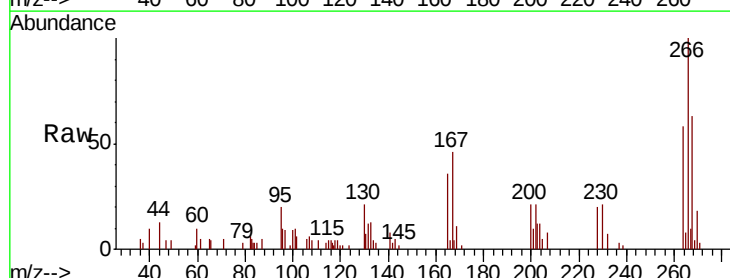
Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#70
Pentachlorophenol
Concen: 3.891 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	55.0	82.6
264	65.6	58.9	88.3





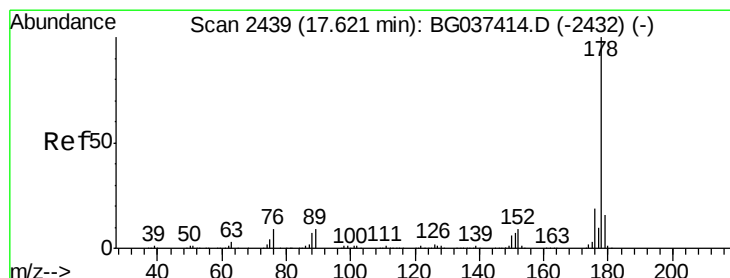
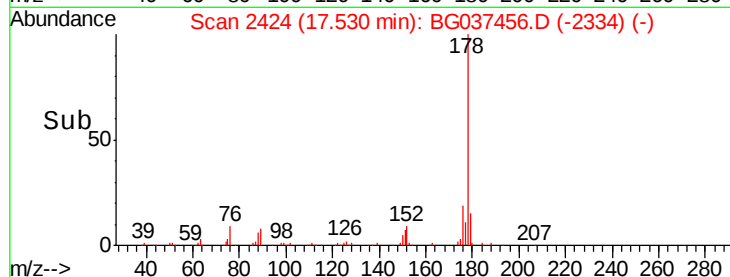
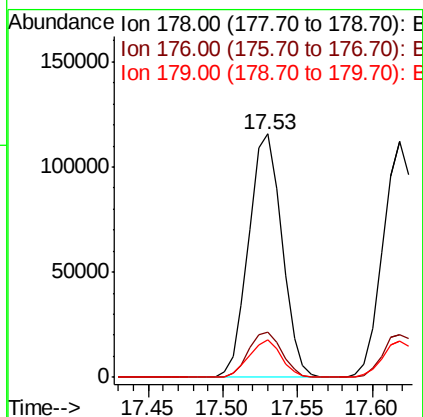
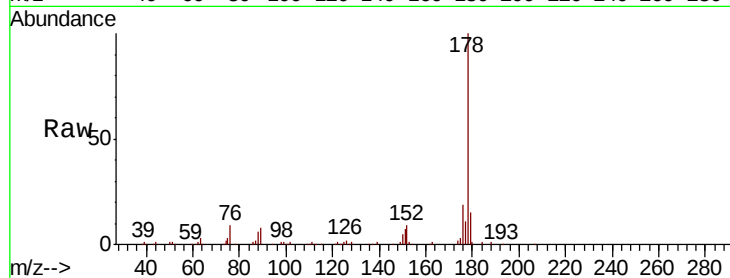
#71
Phenanthrene
Concen: 8.877 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.1	24.1
179	15.3	13.0	19.4

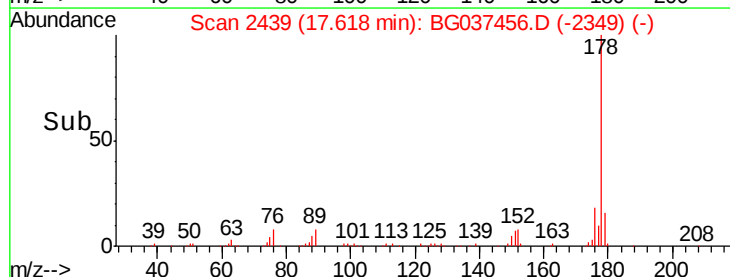
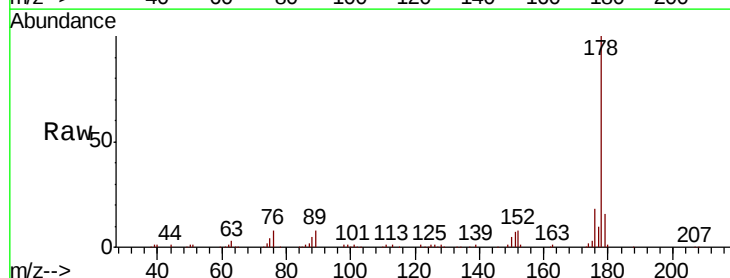
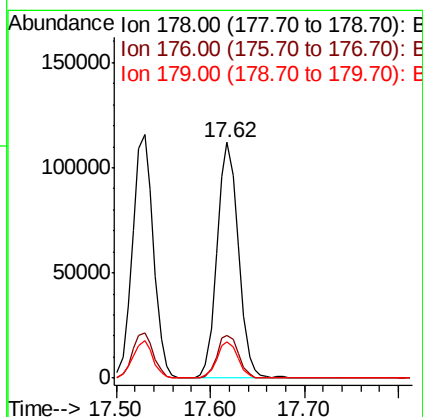
Manual Integrations
APPROVED

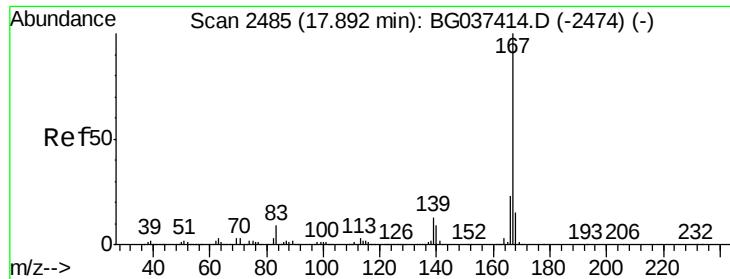
Sohil
10/22/2018 3:39:18 PM



#72
Anthracene
Concen: 9.034 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	15.5	12.8	19.2





#73

Carbazole

Concen: 7.904 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

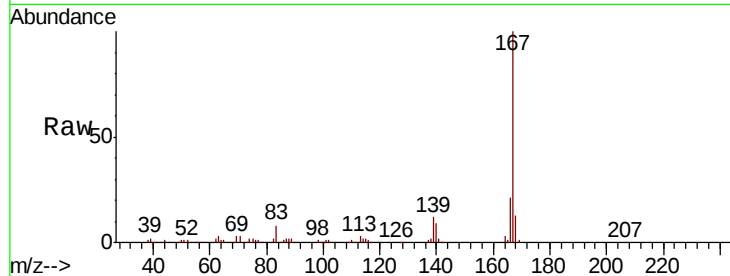
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

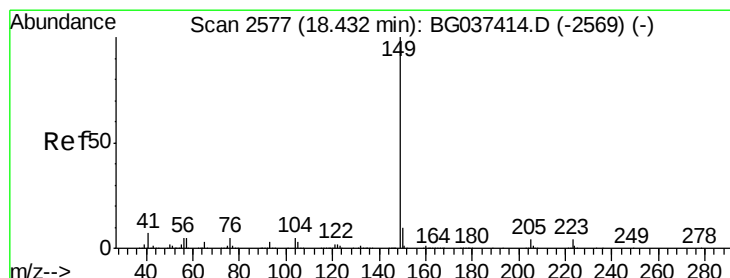
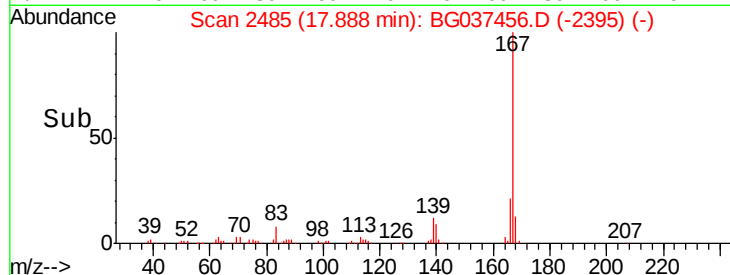
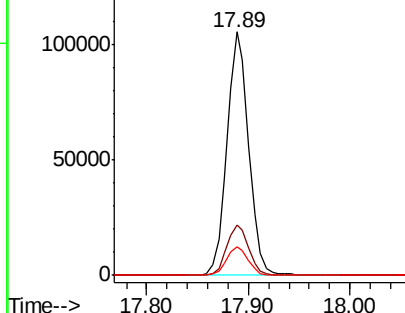
Tgt Ion:	167	Resp:	156048
Ion Ratio	Lower	Upper	
167	100		
166	20.8	18.3	27.5
139	11.6	10.5	15.7

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.055 ng

RT: 18.43 min Scan# 2577

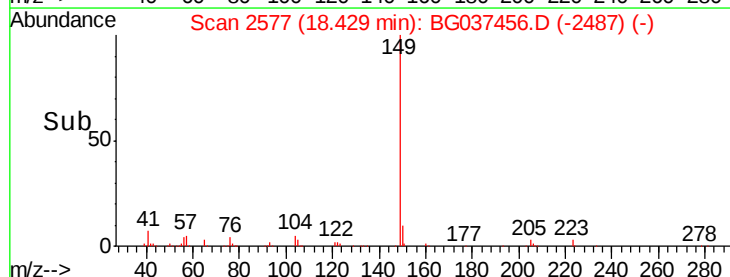
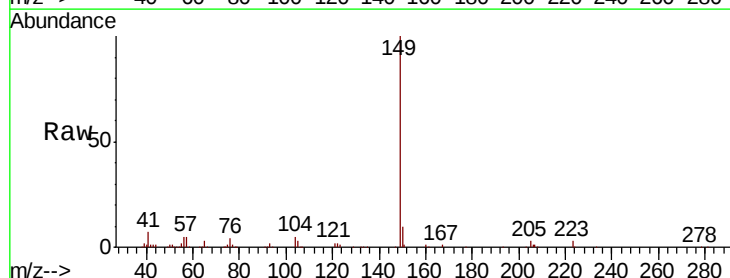
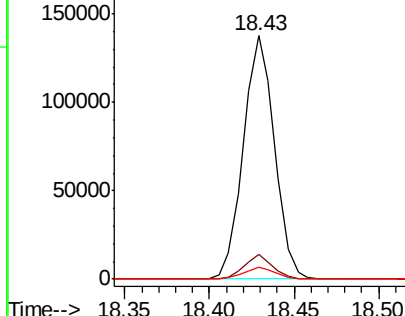
Delta R.T. -0.00 min

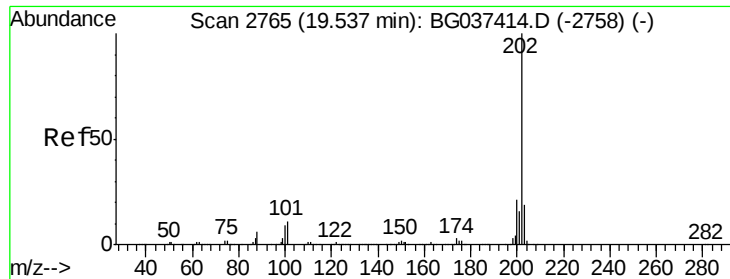
Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	149	Resp:	176905
Ion Ratio	Lower	Upper	
149	100		
150	9.9	8.2	12.2
104	4.8	4.0	6.0

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.798 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

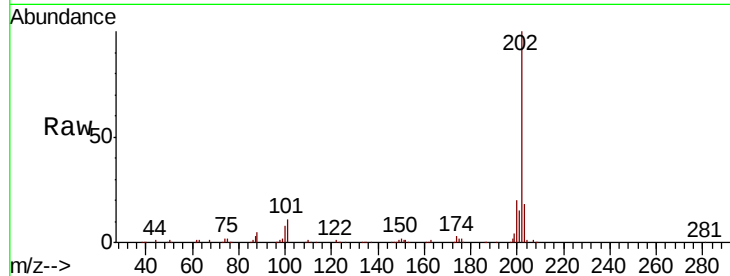
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

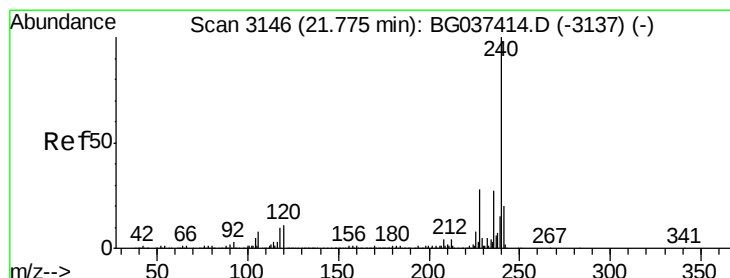
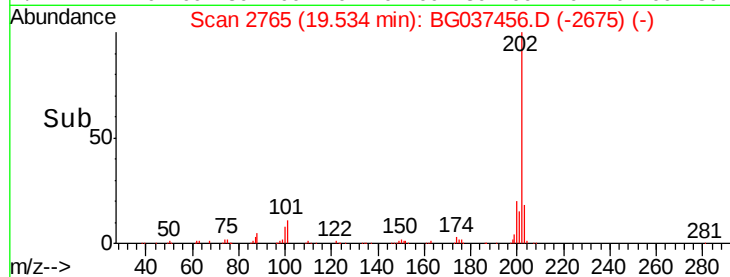
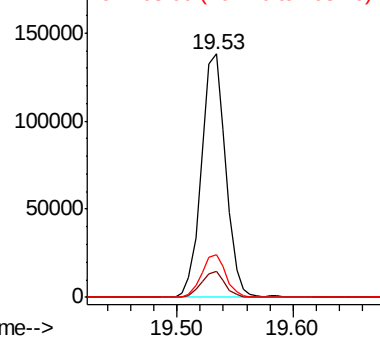
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	200675		
101	10.7	0.0	30.7	
203	17.7	0.0	38.5	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 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



#76

Chrysene-d12

Concen: 20.000 ng

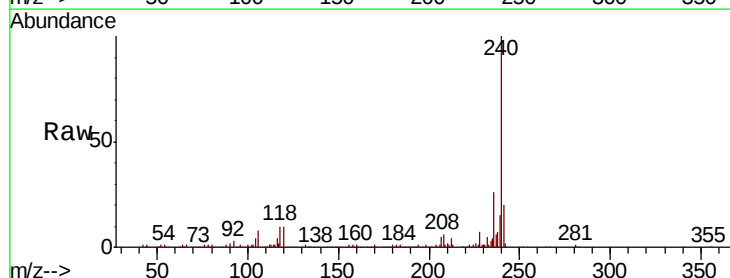
RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

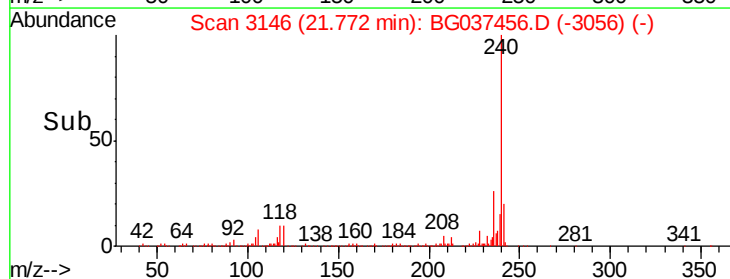
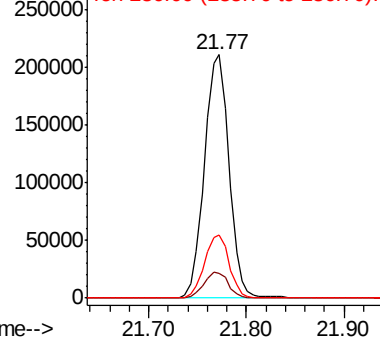
Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	369779		
120	10.0	8.1	12.1	
236	25.8	21.4	32.0	



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

Benzidine

Concen: 1.740 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

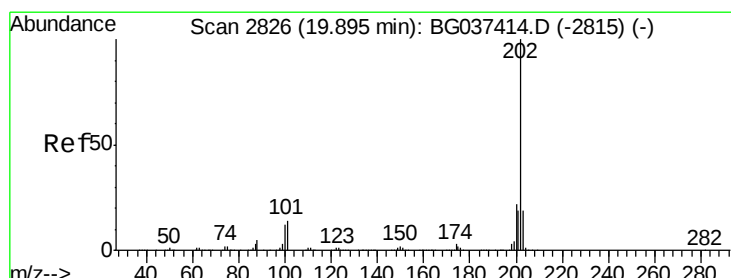
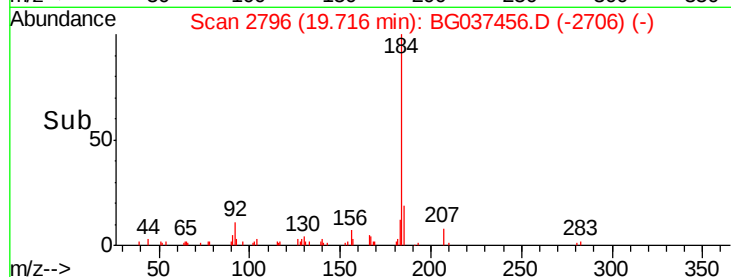
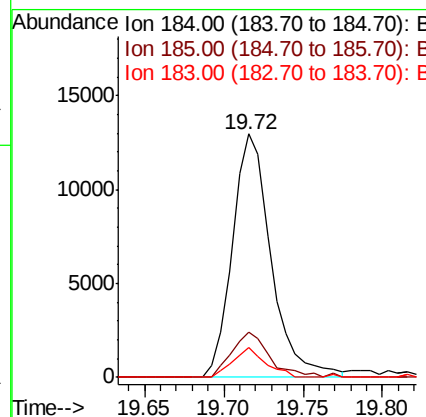
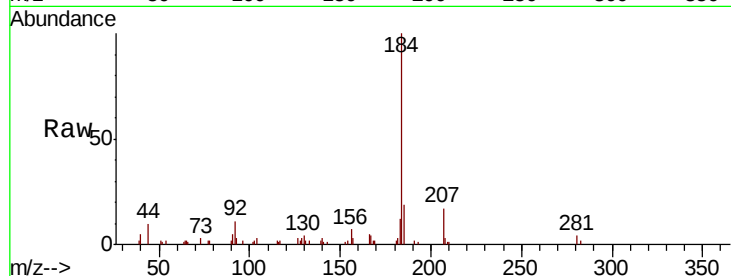
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	21876		
185	18.8	12.6	18.8	
183	12.2	10.2	15.2	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#78

Pyrene

Concen: 8.452 ng

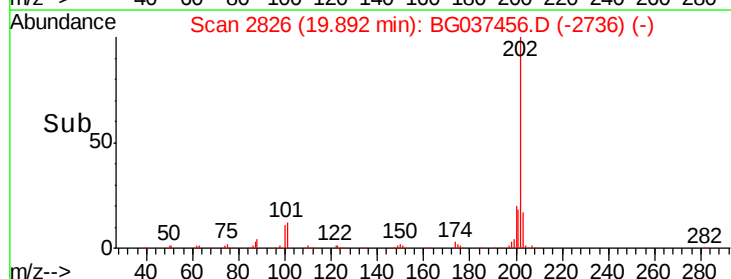
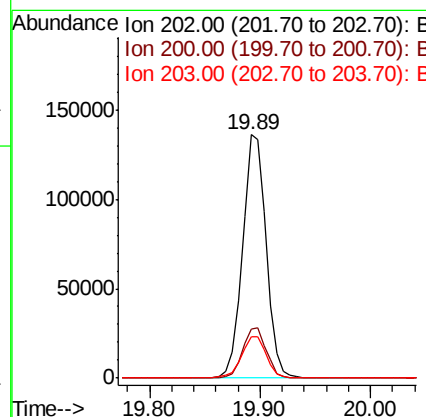
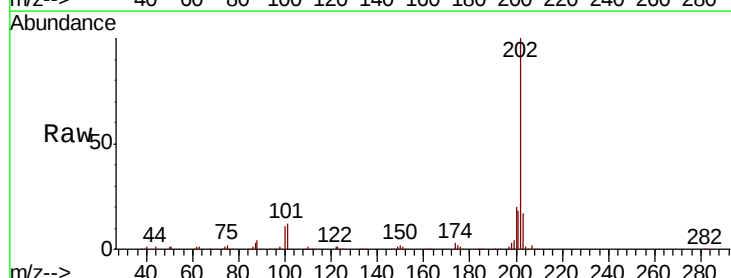
RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	204312		
200	20.2	17.8	26.6	
203	17.2	15.2	22.8	





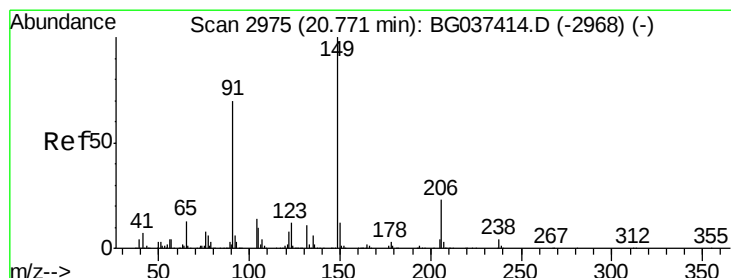
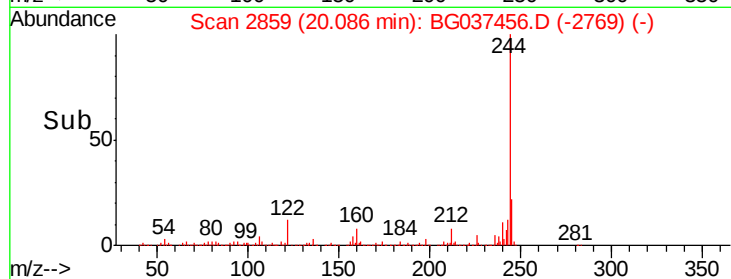
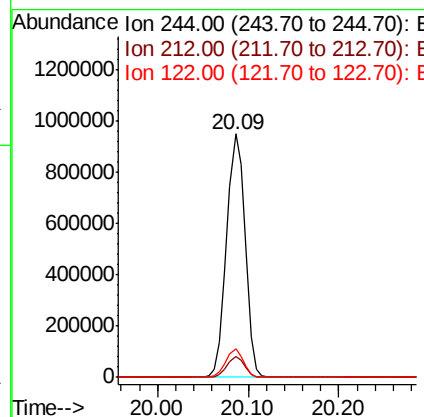
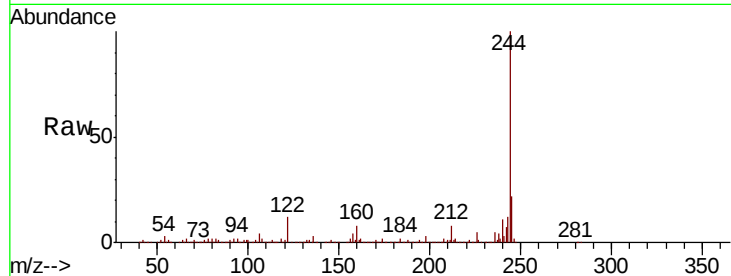
#79
 Terphenyl-d14
 Concen: 77.688 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:244 Resp: 1344431
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 11.6 9.0 13.4

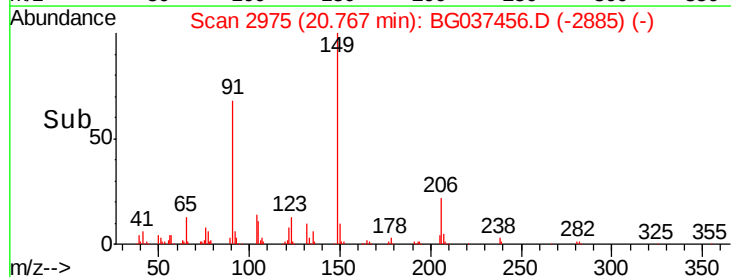
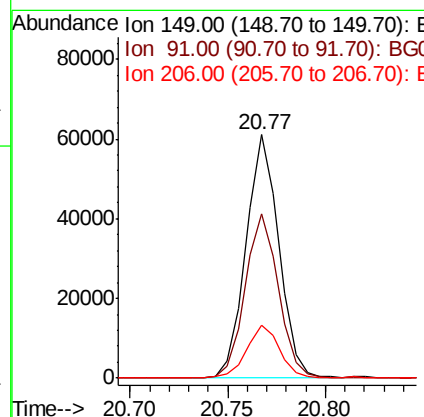
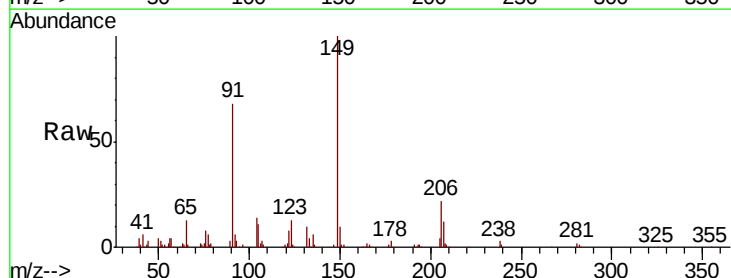
Manual Integrations
 APPROVED

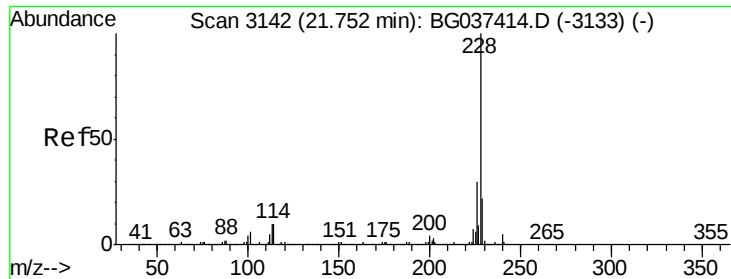
Sohil
 10/22/2018 3:39:18 PM



#80
 Butylbenzylphthalate
 Concen: 7.214 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:149 Resp: 71373
 Ion Ratio Lower Upper
 149 100
 91 67.5 57.0 85.4
 206 21.5 17.8 26.6





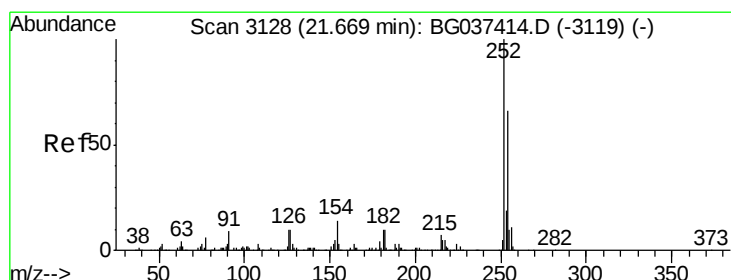
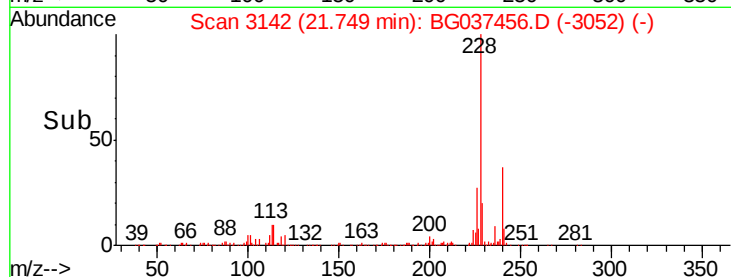
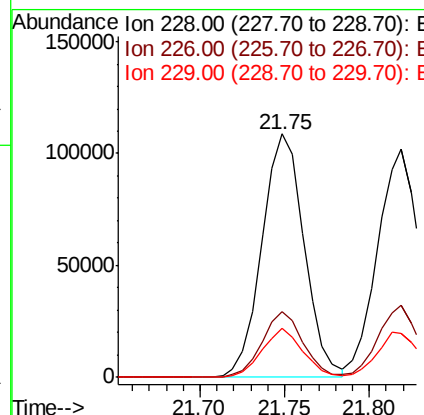
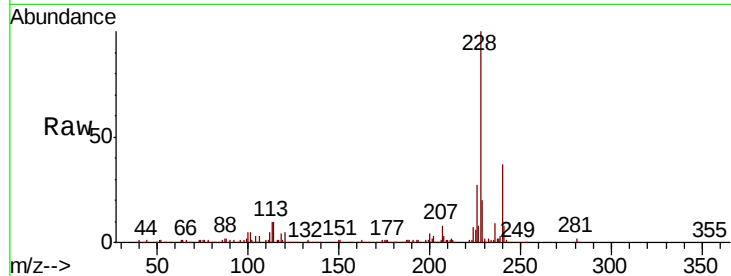
#81
Benzo(a)anthracene
Concen: 8.596 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	188008		
226	27.0		22.6	33.8
229	20.2		16.3	24.5

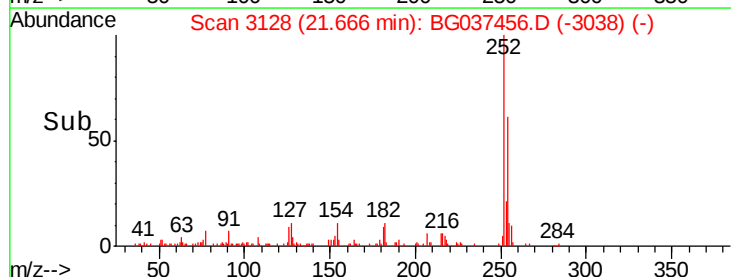
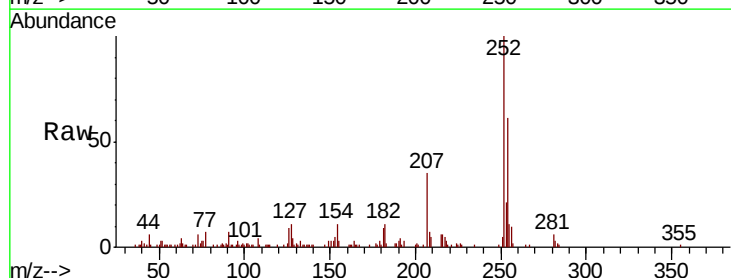
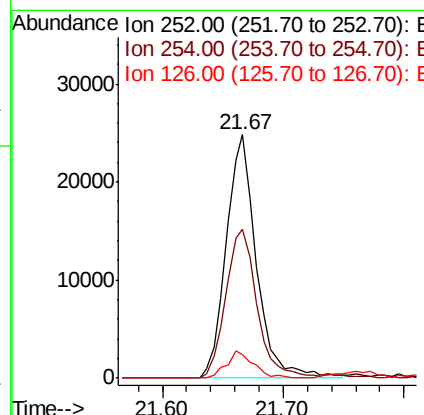
Manual Integrations
APPROVED

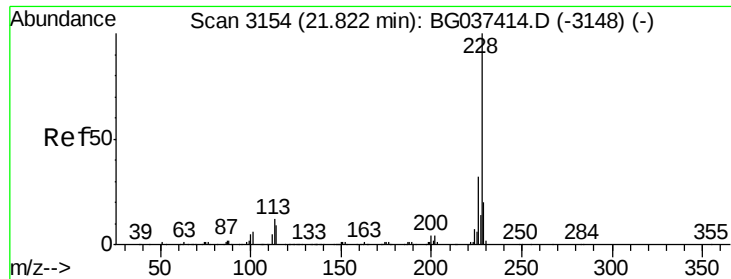
Sohil
10/22/2018 3:39:18 PM



#82
3,3'-Dichlorobenzidine
Concen: 5.069 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	42977		
254	61.0		52.0	78.0
126	9.4		8.2	12.4





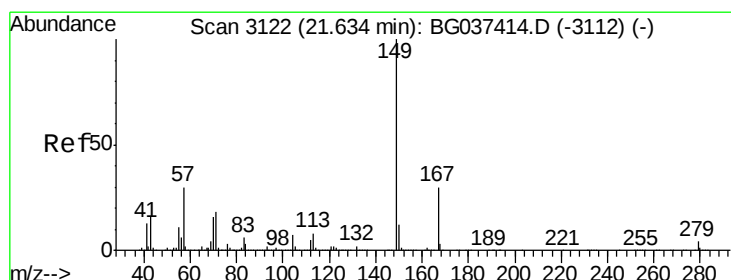
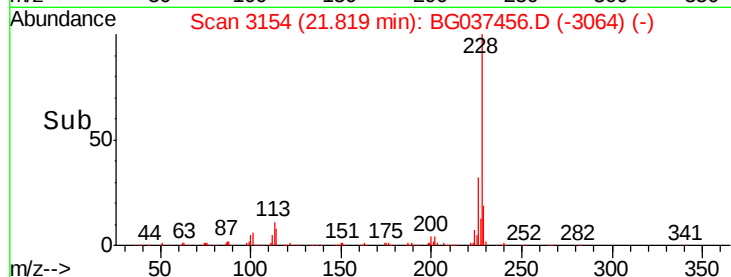
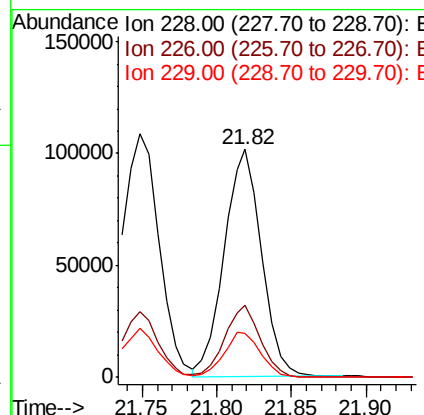
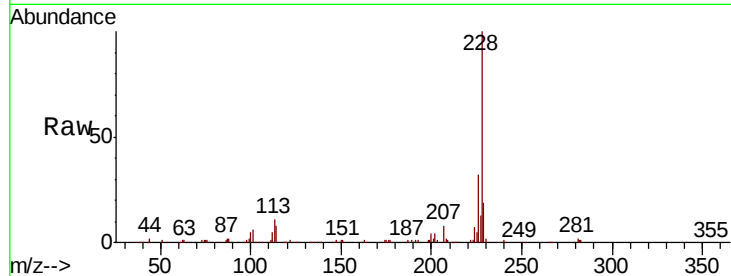
#83
Chrysene
 Concen: 8.394 ng
 RT: 21.82 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	176546		
226	31.9	25.7	38.5	
229	19.3	16.5	24.7	

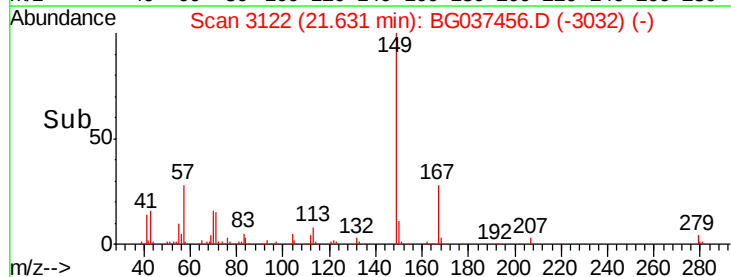
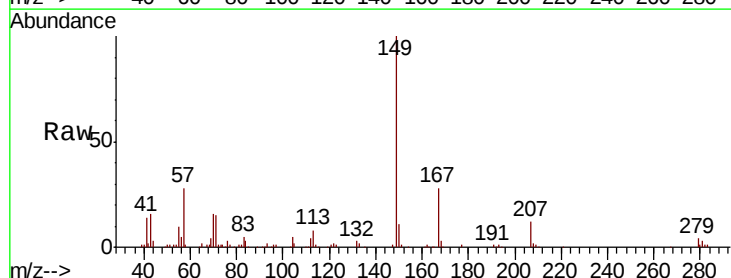
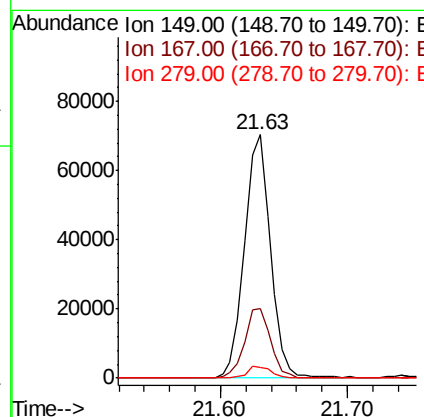
Manual Integrations
 APPROVED

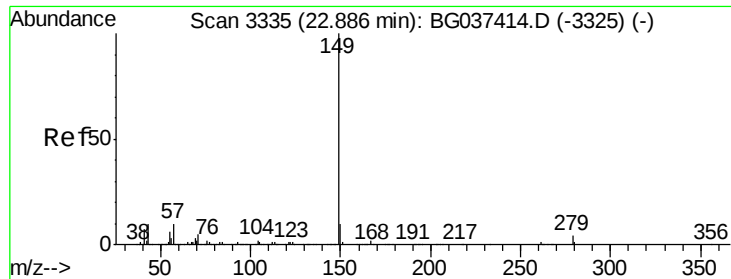
Sohil
 10/22/2018 3:39:18 PM



#84
Bis(2-ethylhexyl)phthalate
 Concen: 7.193 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	99747		
167	28.4	23.0	34.4	
279	4.2	3.6	5.4	





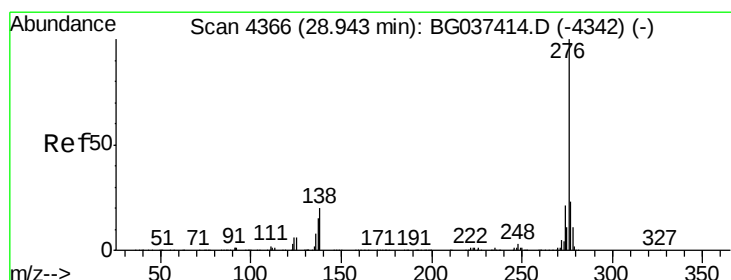
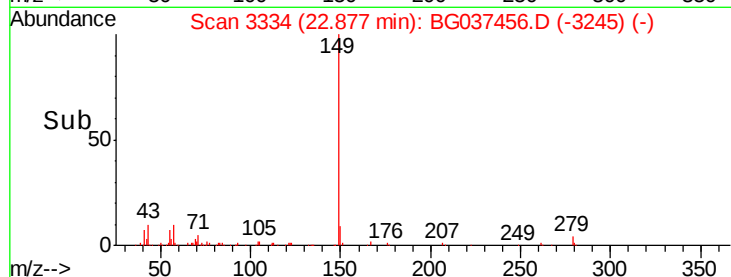
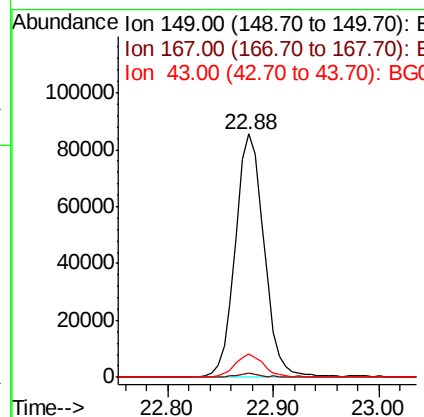
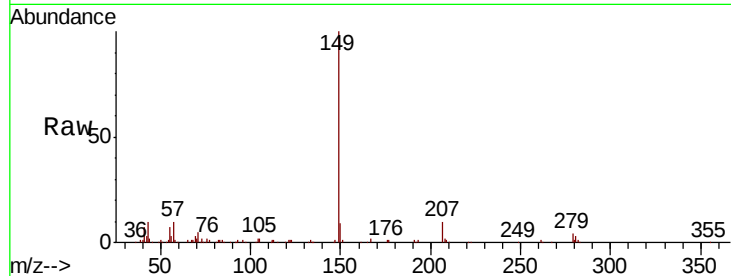
#85
Di-n-octyl phthalate
Concen: 7.097 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.4	1.3	1.9
43	9.7	8.7	13.1

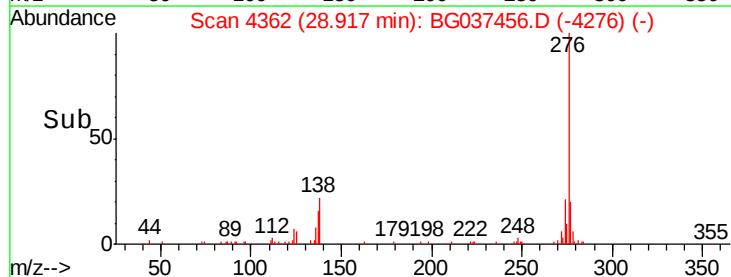
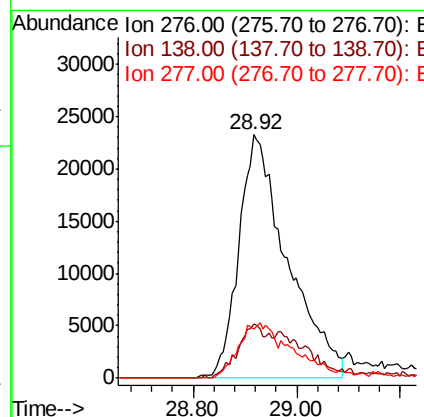
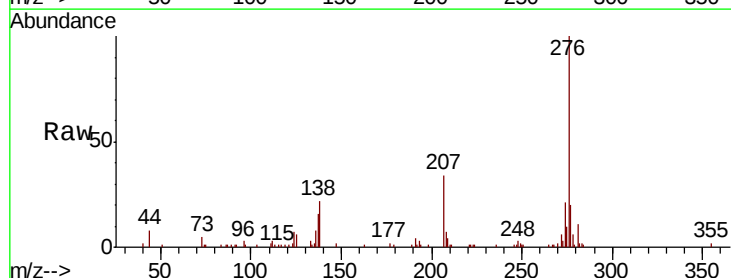
Manual Integrations
APPROVED

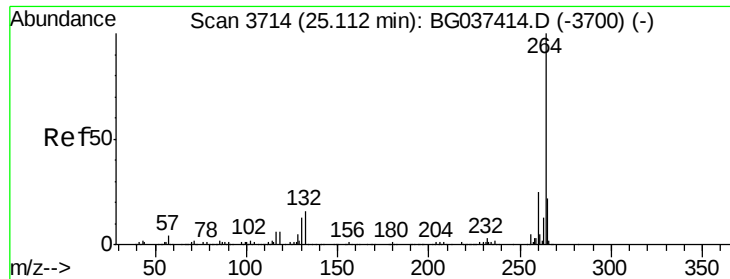
Sohil
10/22/2018 3:39:18 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.707 ng
RT: 28.92 min Scan# 4362
Delta R.T. -0.03 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.0	12.0	18.0#
277	7.8	20.6	30.8#





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

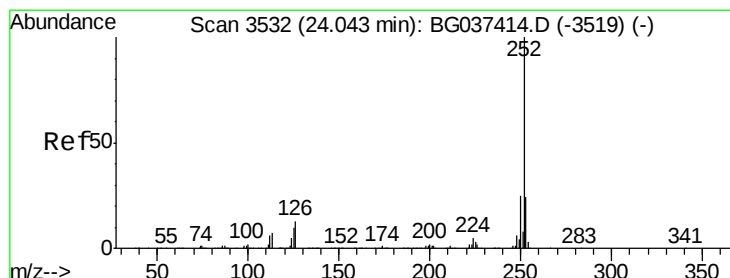
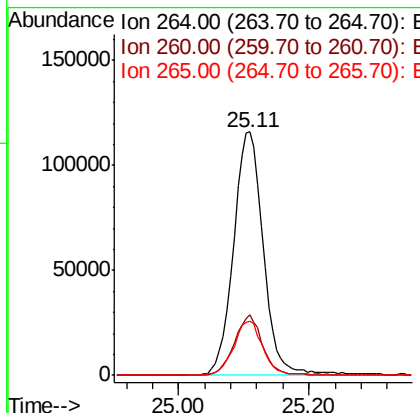
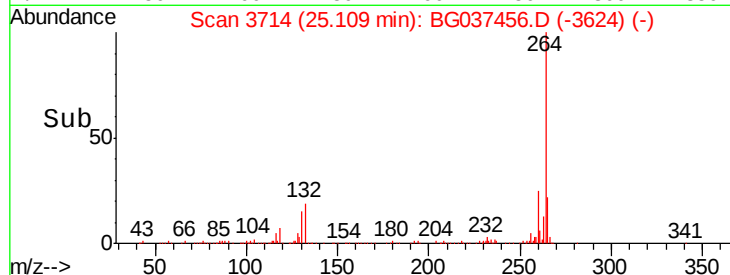
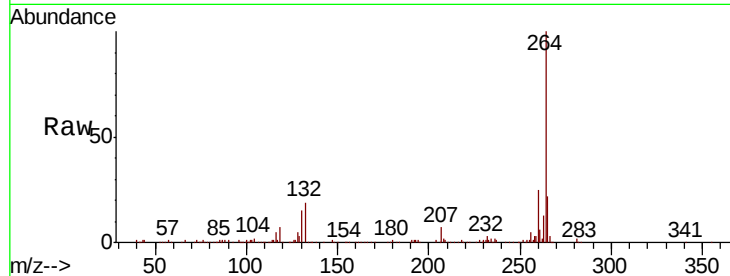
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	264	Resp:	366700
Ion Ratio		Lower	Upper
264	100		
260	25.1	18.2	27.4
265	22.3	17.9	26.9

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM



#88

Benzo(b)fluoranthene

Concen: 8.303 ng

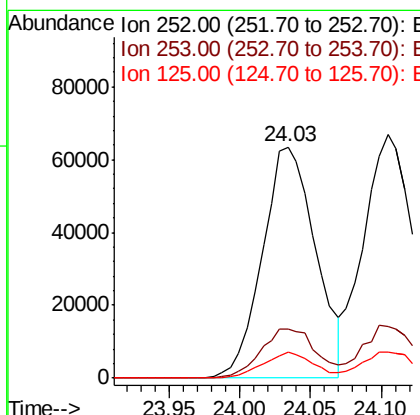
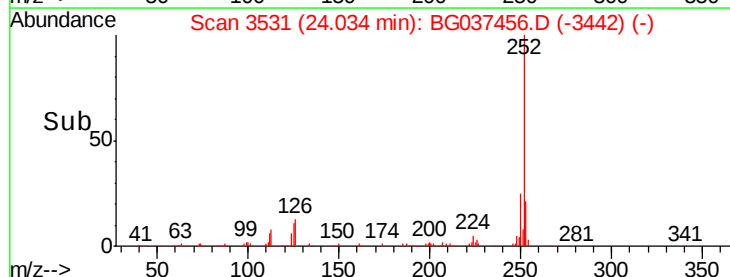
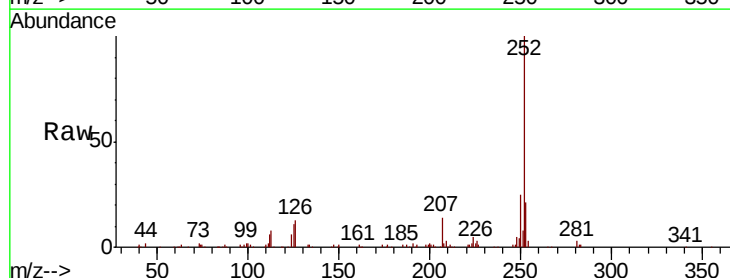
RT: 24.03 min Scan# 3531

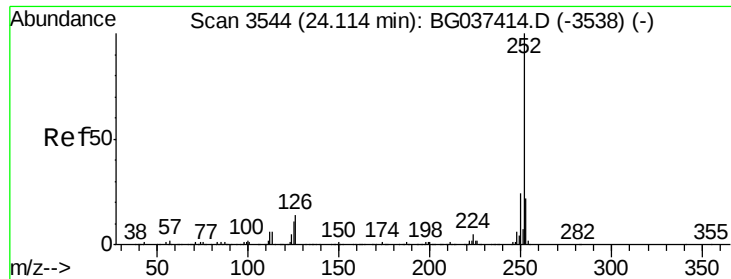
Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:	252	Resp:	166917
Ion Ratio		Lower	Upper
252	100		
253	21.1	18.2	27.2
125	11.3	7.8	11.6





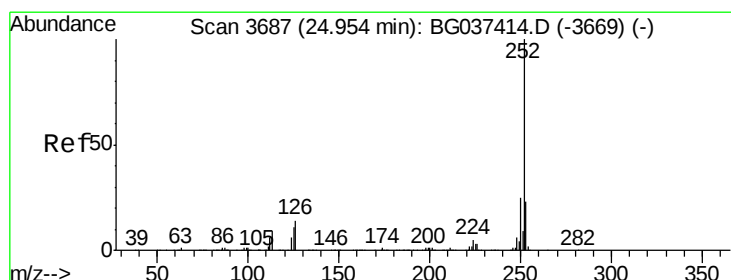
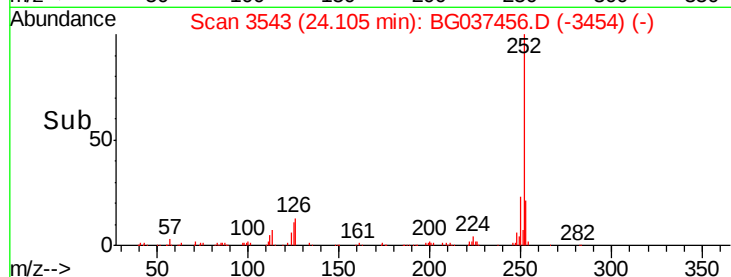
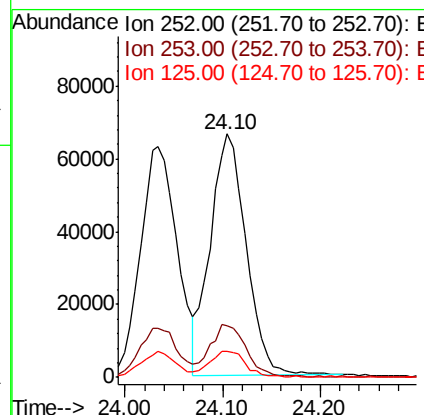
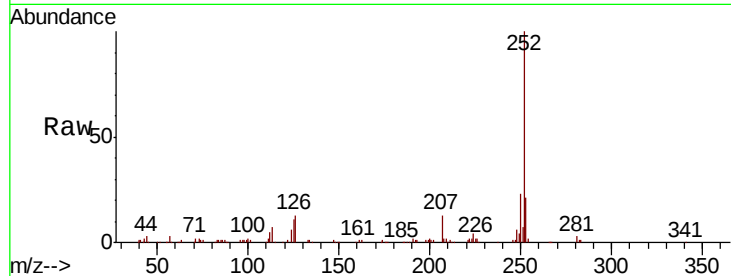
#89
Benzo(k)fluoranthene
Concen: 8.634 ng
RT: 24.10 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	10.7	7.4	11.0

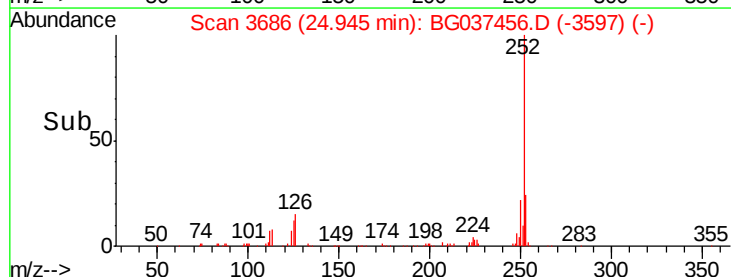
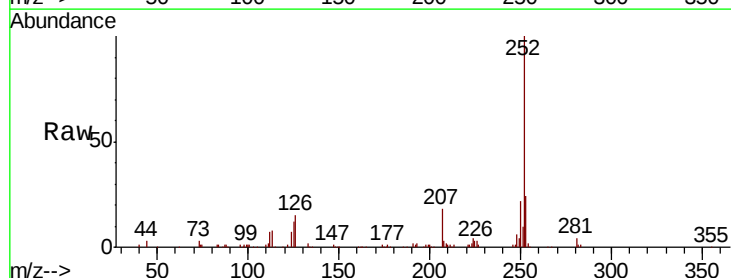
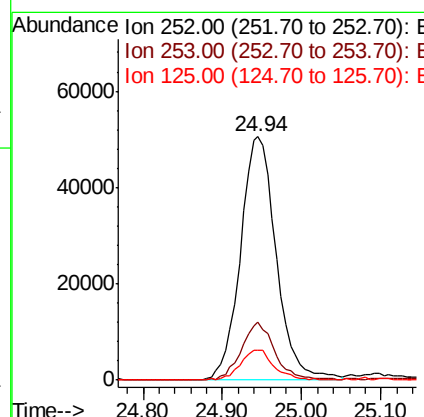
Manual Integrations
APPROVED

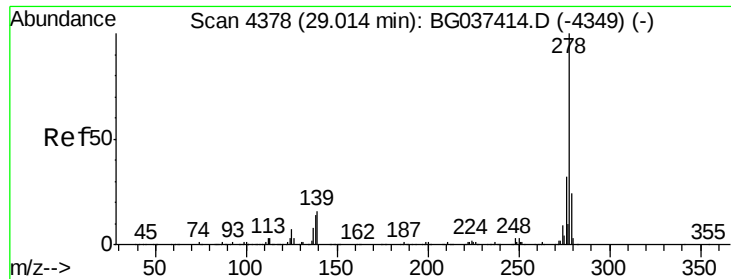
Sohil
10/22/2018 3:39:18 PM



#90
Benzo(a)pyrene
Concen: 8.285 ng
RT: 24.94 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	12.1	9.0	13.6





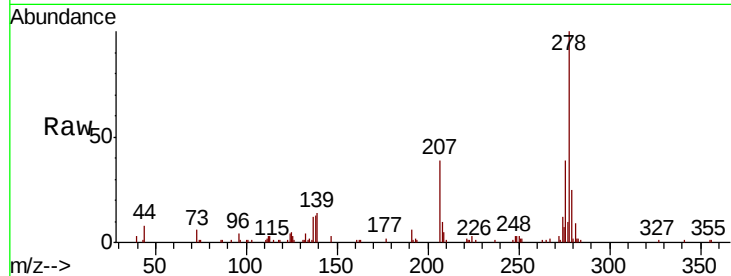
#91
Dibenzo(a,h)anthracene
Concen: 7.017 ng
RT: 29.00 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.5	17.3
279	24.9	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:18 PM

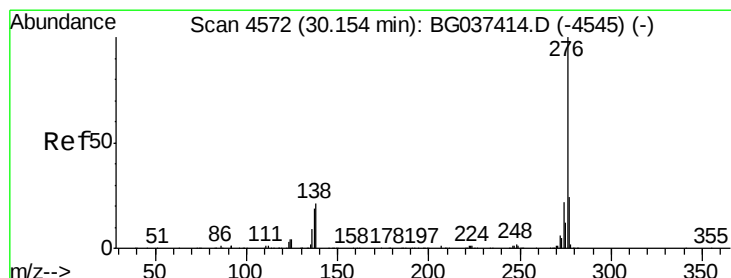
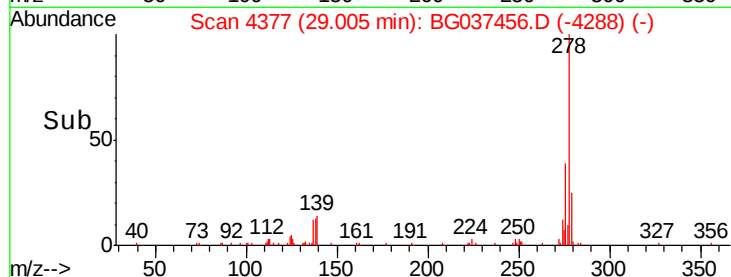
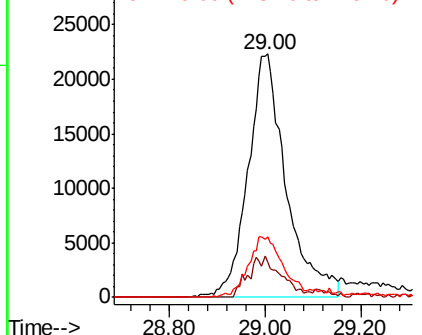


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.481 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	22.8	17.2	25.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

