

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037427.D
 Acq On : 18 Oct 2018 19:55
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

Quant Time: Oct 19 08:12:42 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	53668	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	246727	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	165422	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	406766	20.00	ng	0.00
76) Chrysene-d12	21.77	240	374858	20.00	ng	0.00
87) Perylene-d12	25.11	264	364270	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	425681	132.61	ng	0.00
7) Phenol-d6	7.25	99	629441	129.67	ng	0.00
23) Nitrobenzene-d5	9.28	82	364031	82.65	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	246838	136.81	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	899174	81.97	ng	0.00
79) Terphenyl-d14	20.09	244	1372732	78.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	2854	1.753	ng	# 86
3) Pyridine	3.96	79	3949	0.962	ng	# 67
4) n-Nitrosodimethylamine	3.87	42	1969	1.347	ng	# 49
6) Aniline	7.43	93	3186	0.538	ng	# 86
8) 2-Chlorophenol	7.66	128	3965	1.056	ng	# 80
9) Benzaldehyde	7.25	77	3564	1.174	ng	# 84
10) Phenol	7.27	94	5622	1.098	ng	# 28
11) bis(2-Chloroethyl)ether	7.52	93	3796	0.976	ng	# 89
12) 1,3-Dichlorobenzene	7.99	146	4368	1.045	ng	# 87
13) 1,4-Dichlorobenzene	8.14	146	4248	0.993	ng	# 97
14) 1,2-Dichlorobenzene	8.46	146	3878	0.943	ng	# 90
15) Benzyl Alcohol	8.35	79	3344	0.932	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.63	45	6996	1.005	ng	# 84
17) 2-Methylphenol	8.53	107	3003	0.887	ng	# 76
18) Hexachloroethane	9.19	117	1073	0.736	ng	# 93
19) n-Nitroso-di-n-propylamine	8.91	70	2861	0.856	ng	# 86
20) 3+4-Methylphenols	8.87	107	4292	0.887	ng	# 95
22) Acetophenone	8.94	105	6297	1.018	ng	# 91
24) Nitrobenzene	9.33	77	4886	1.068	ng	# 86
25) Isophorone	9.84	82	8491	1.055	ng	# 95
26) 2-Nitrophenol	10.04	139	1535	0.745	ng	# 88
27) 2,4-Dimethylphenol	10.08	122	3534	0.960	ng	# 83
28) bis(2-Chloroethoxy)methane	10.33	93	5326	1.010	ng	# 87
29) 2,4-Dichlorophenol	10.56	162	3317	0.809	ng	# 83
30) 1,2,4-Trichlorobenzene	10.79	180	4507	1.011	ng	# 95
31) Naphthalene	10.98	128	13811	1.140	ng	# 95
33) 4-Chloroaniline	11.09	127	3308	0.581	ng	# 92
34) Hexachlorobutadiene	11.25	225	2483	0.940	ng	# 86
35) Caprolactam	11.91	113	88	0.054	ng	# 5
36) 4-Chloro-3-methylphenol	12.19	107	3738	0.809	ng	# 97
37) 2-Methylnaphthalene	12.57	142	10244	1.160	ng	# 86
38) 1-Methylnaphthalene	12.79	142	10146	1.183	ng	# 96
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	5241	0.982	ng	# 97
41) Hexachlorocyclopentadiene	12.91	237	2034	0.798	ng	# 87

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037427.D
 Acq On : 18 Oct 2018 19:55
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

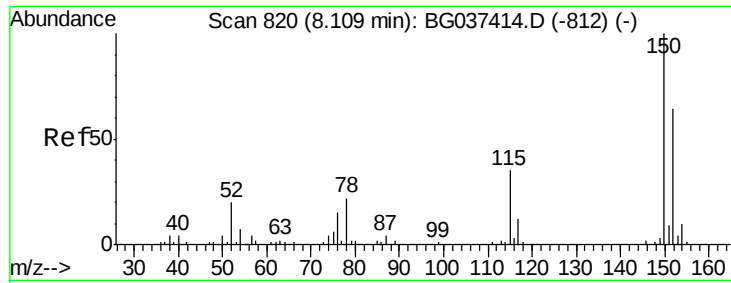
Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

Quant Time: Oct 19 08:12:42 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)
43) 2,4,6-Trichlorophenol	13.17	196	2980	0.836	ng	# 93
44) 2,4,5-Trichlorophenol	13.24	196	2968	0.765	ng	# 95
46) 1,1'-Biphenyl	13.58	154	14823	1.082	ng	99
47) 2-Chloronaphthalene	13.63	162	10706	1.033	ng	92
48) 2-Nitroaniline	13.83	65	2418	0.769	ng	93
49) Acenaphthylene	14.47	152	17008	1.091	ng	# 93
50) Dimethylphthalate	14.18	163	13436	1.050	ng	# 95
51) 2,6-Dinitrotoluene	14.32	165	2219	0.784	ng	# 83
52) Acenaphthene	14.80	154	10492	1.093	ng	94
53) 3-Nitroaniline	14.65	138	2122	0.675	ng	86
55) Dibenzofuran	15.14	168	17959	1.129	ng	95
56) 4-Nitrophenol	14.94	139	504	0.217	ng	# 62
57) 2,4-Dinitrotoluene	15.09	165	2321	0.625	ng	# 95
58) Fluorene	15.78	166	13491	1.132	ng	# 97
59) 2,3,4,6-Tetrachlorophenol	15.35	232	2393	0.720	ng	# 93
60) Diethylphthalate	15.54	149	13076	0.995	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	6697	0.964	ng	92
62) 4-Nitroaniline	15.80	138	1789	0.573	ng	86
63) Azobenzene	16.06	77	12187	0.972	ng	97
66) n-Nitrosodiphenylamine	15.99	169	11085	0.906	ng	# 85
67) 4-Bromophenyl-phenylether	16.67	248	4459	0.998	ng	90
68) Hexachlorobenzene	16.78	284	4492	0.970	ng	90
69) Atrazine	16.92	200	3731	0.843	ng	93
70) Pentachlorophenol	17.12	266	460	0.148	ng	# 42
71) Phenanthrene	17.53	178	24326	1.177	ng	98
72) Anthracene	17.62	178	22233	1.096	ng	99
73) Carbazole	17.89	167	18051	0.889	ng	94
74) Di-n-butylphthalate	18.43	149	19766	0.876	ng	# 97
75) Fluoranthene	19.53	202	25306	1.079	ng	97
77) Benzidine	19.72	184	1747	0.137	ng	# 85
78) Pyrene	19.90	202	25074	1.023	ng	97
80) Butylbenzylphthalate	20.77	149	7591	0.757	ng	94
81) Benzo(a)anthracene	21.75	228	23990	1.082	ng	95
82) 3,3'-Dichlorobenzidine	21.66	252	4328	0.504	ng	96
83) Chrysene	21.82	228	22466	1.054	ng	96
84) Bis(2-ethylhexyl)phthalate	21.63	149	10515	0.748	ng	97
85) Di-n-octyl phthalate	22.88	149	15338	0.669	ng	95
86) Indeno(1,2,3-cd)pyrene	28.91	276	17332m	0.758	ng	
88) Benzo(b)fluoranthene	24.03	252	20901	1.047	ng	96
89) Benzo(k)fluoranthene	24.10	252	21010m	1.074	ng	
90) Benzo(a)pyrene	24.94	252	18310	0.965	ng	98
91) Dibenzo(a,h)anthracene	29.00	278	11361	0.649	ng	# 90
92) Benzo(g,h,i)perylene	30.11	276	15439	0.872	ng	# 88

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



#1

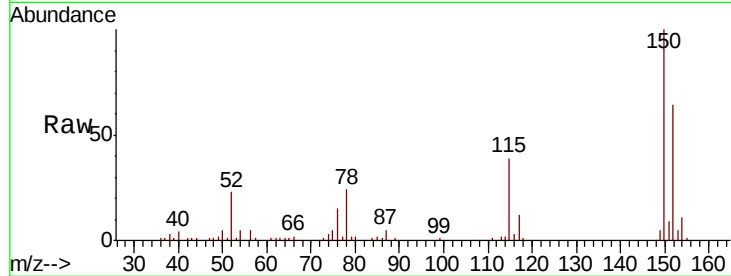
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.0	189.0
115	61.1	45.5	68.3

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

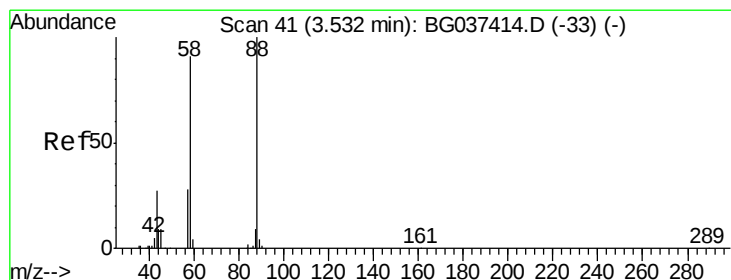
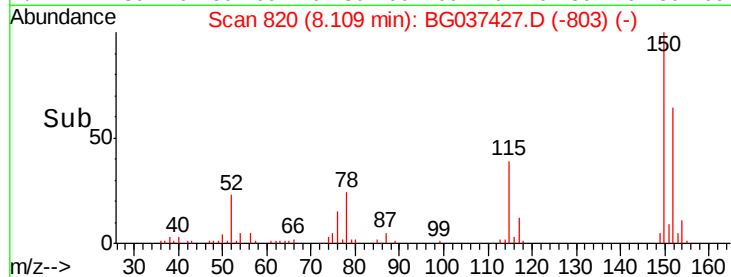
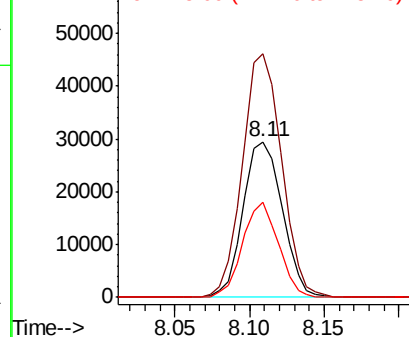


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

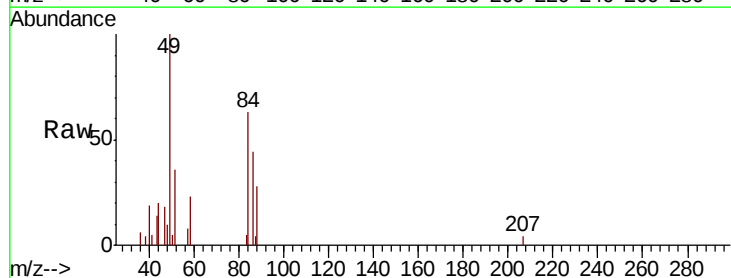
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 1.753 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.5	74.4	111.6
43	24.0	25.8	38.8#

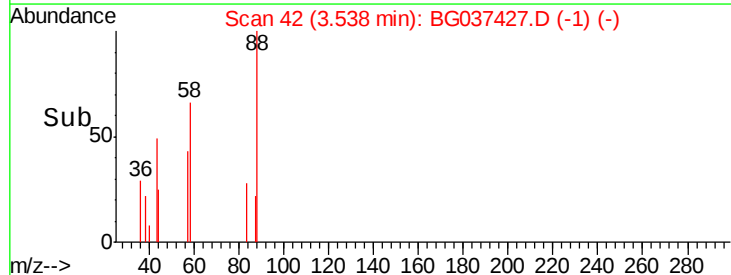
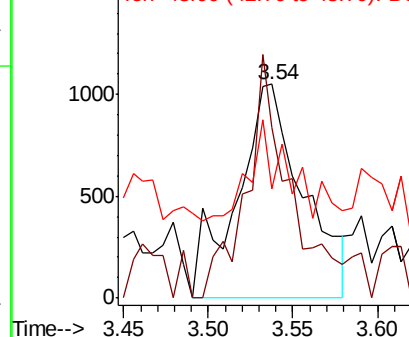


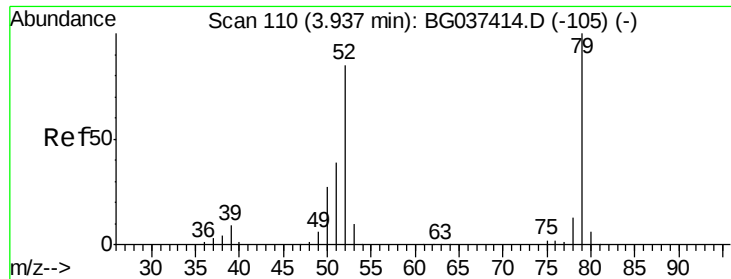
Abundance

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

Pvridine

Concen: 0.962 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

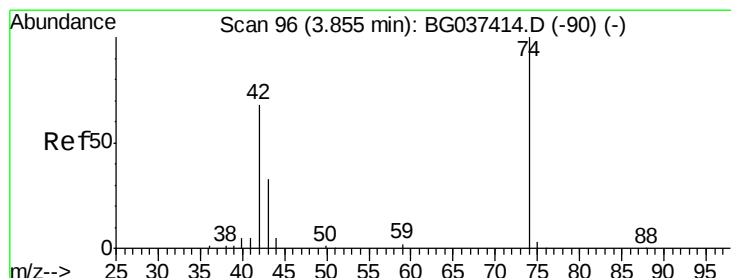
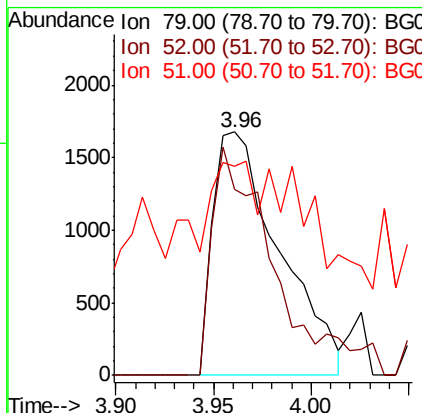
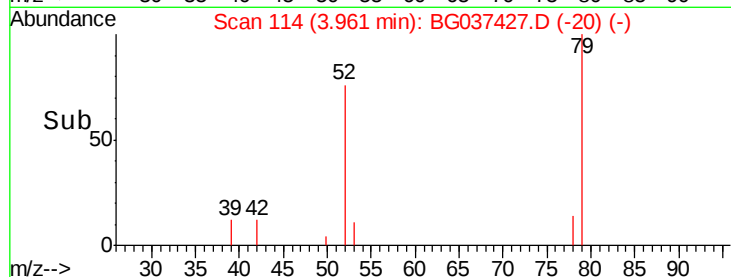
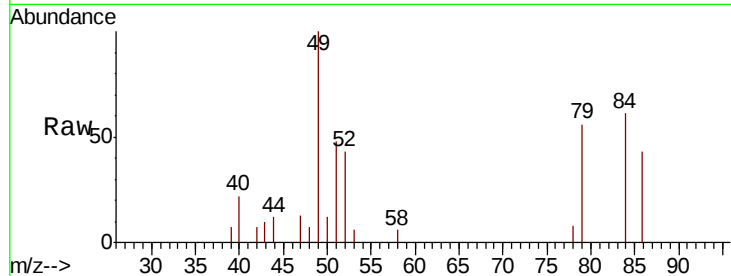
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	79	Resp:	3949
Ion	Ratio	Lower	Upper
79	100		
52	76.3	74.2	111.2
51	86.0	34.6	51.8#

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#4

n-Nitrosodimethylamine

Concen: 1.347 ng

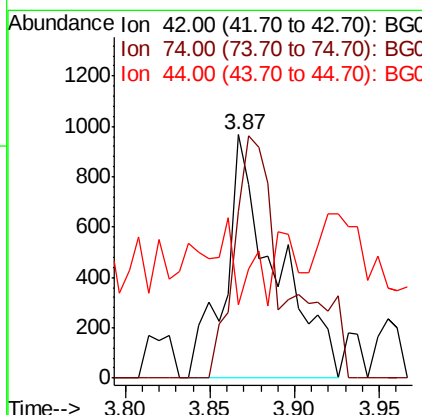
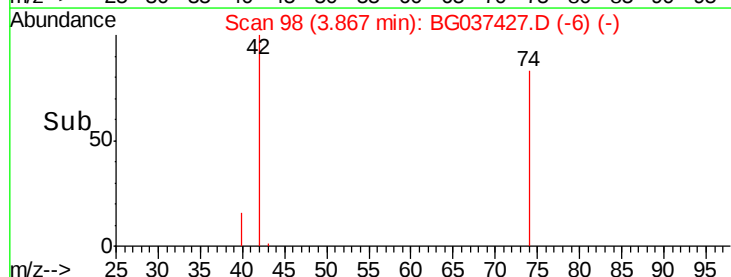
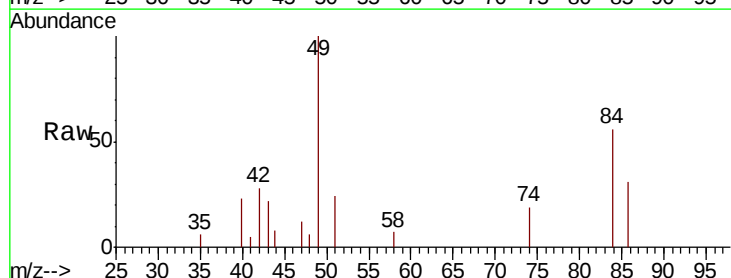
RT: 3.87 min Scan# 98

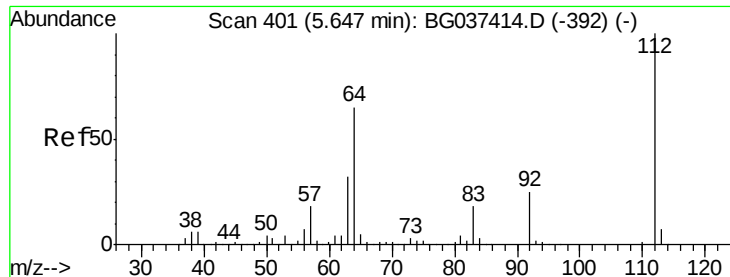
Delta R.T. 0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	42	Resp:	1969
Ion	Ratio	Lower	Upper
42	100		
74	68.8	102.0	153.0#
44	29.9	9.6	14.4#





#5

2-Fluorophenol

Concen: 132.607 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

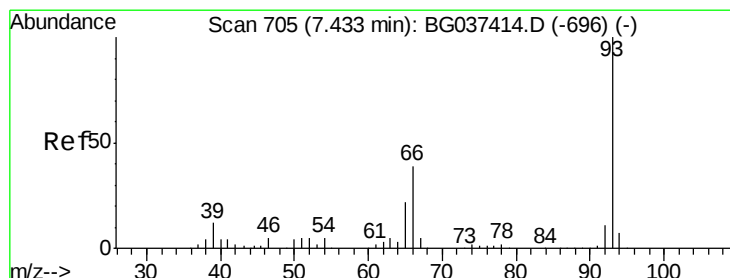
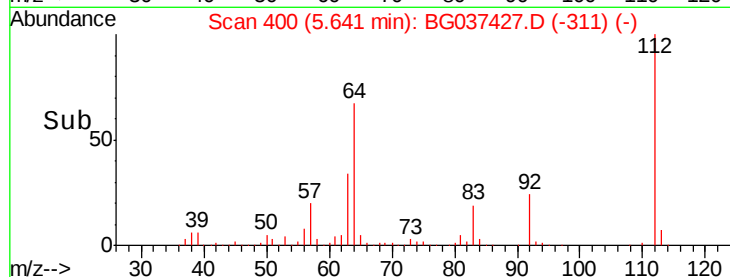
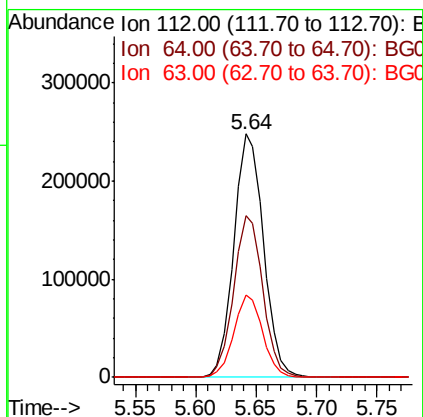
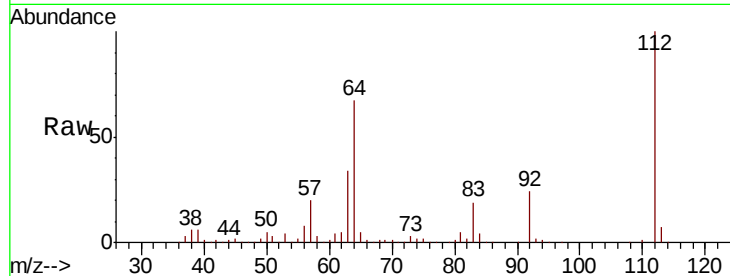
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	112	Resp:	425681
Ion Ratio	Lower	Upper	
112	100		
64	66.6	53.1	79.7
63	33.8	27.3	40.9

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#6

Aniline

Concen: 0.538 ng

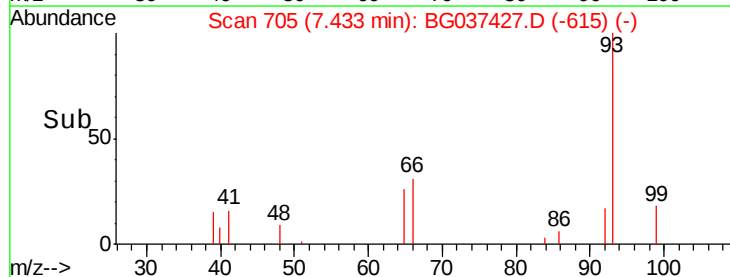
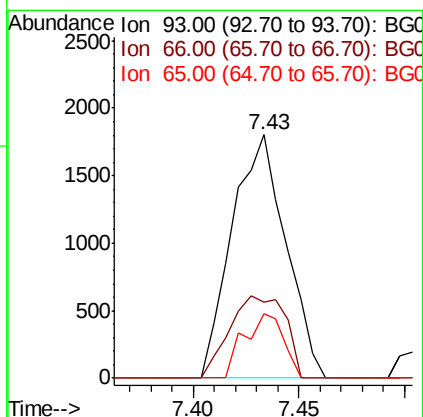
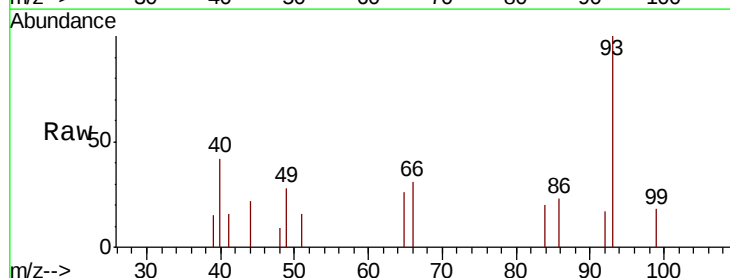
RT: 7.43 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	93	Resp:	3186
Ion Ratio	Lower	Upper	
93	100		
66	31.4	32.8	49.2#
65	26.3	16.4	24.6#





#7

Phenol-d6

Concen: 129.673 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

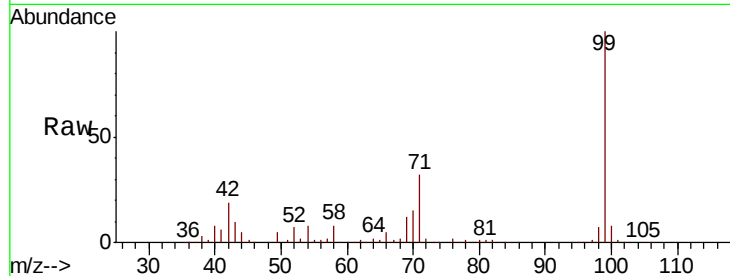
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

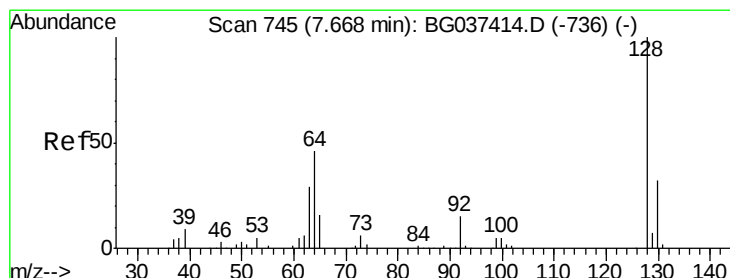
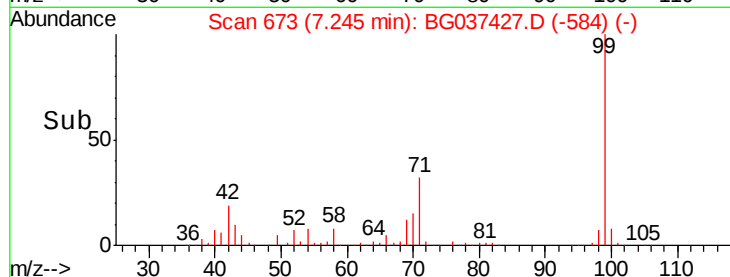
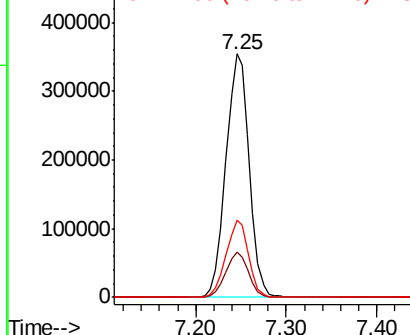
Tot Ion:	99	Resp:	629441
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.0	22.4
71	31.9	25.5	38.3

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 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: 1.056 ng

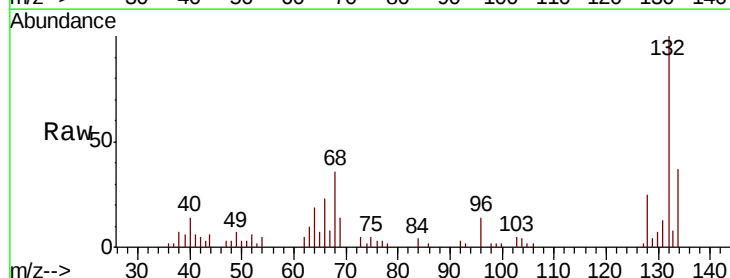
RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

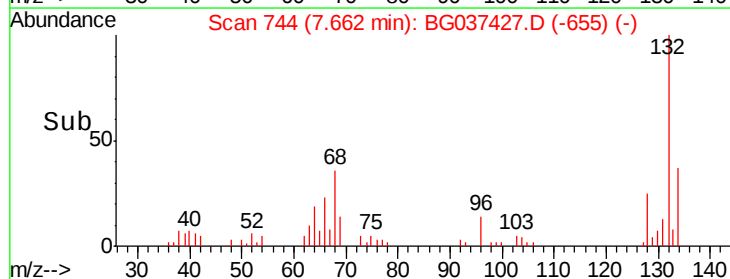
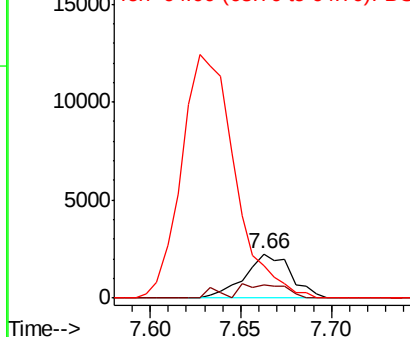
Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	128	Resp:	3965
Ion Ratio	Lower	Upper	
128	100		
130	29.4	12.0	52.0
64	74.1	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





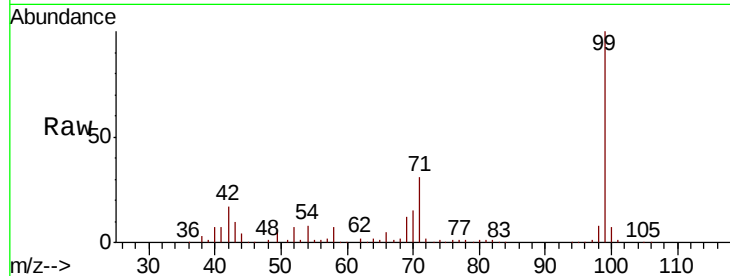
#9
Benzaldehyde
Concen: 1.174 ng
RT: 7.25 min Scan# 674
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

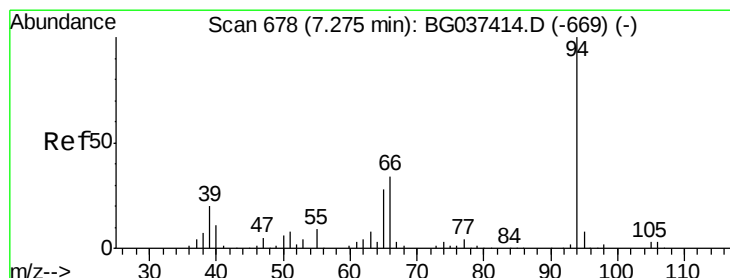
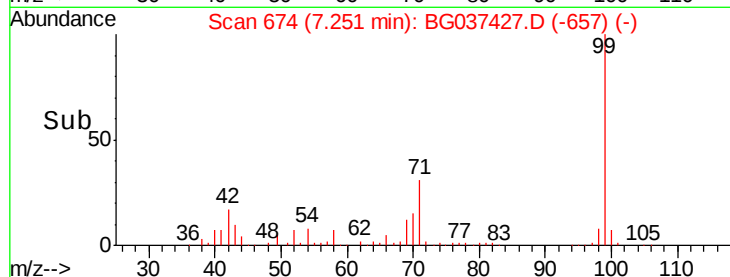
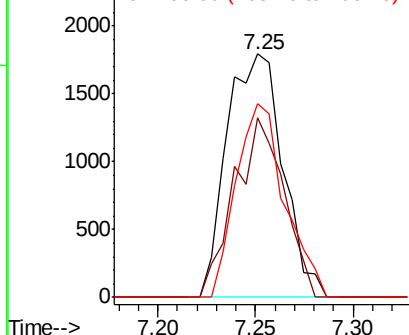
Tot Ion: 77 Resp: 3564
Ion Ratio Lower Upper
77 100
105 73.9 72.6 112.6
106 79.3 71.3 111.3

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

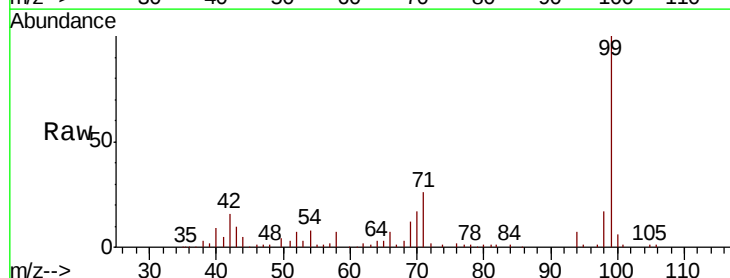


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

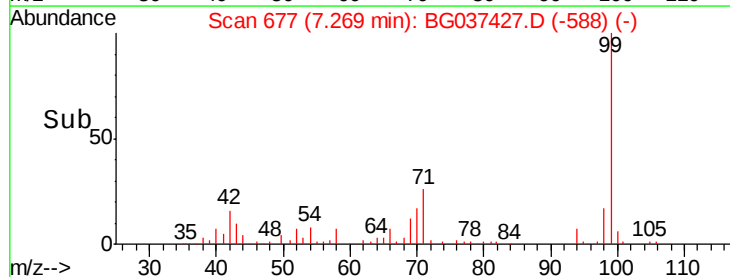
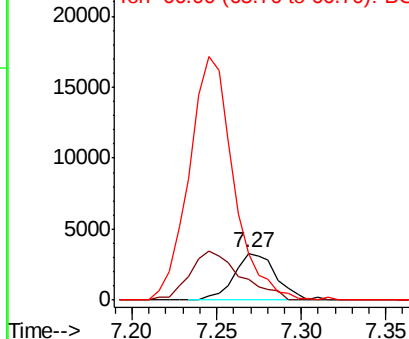


#10
Phenol
Concen: 1.098 ng
RT: 7.27 min Scan# 677
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion: 94 Resp: 5622
Ion Ratio Lower Upper
94 100
65 44.2 9.7 49.7
66 100.6 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





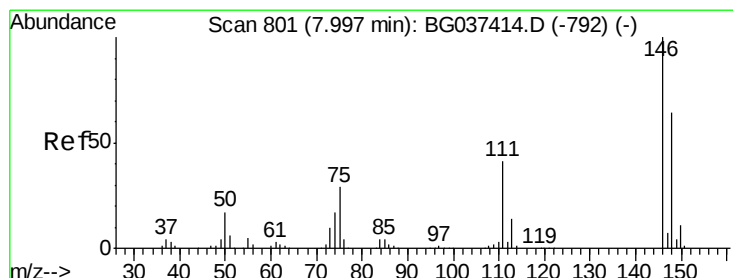
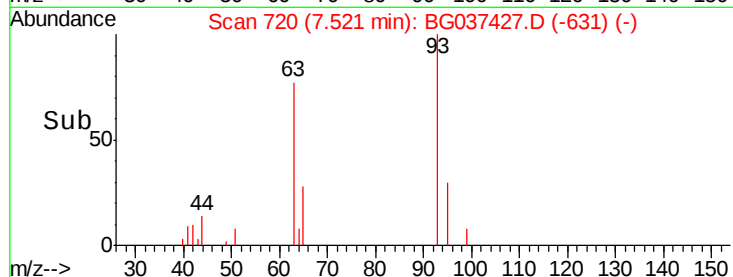
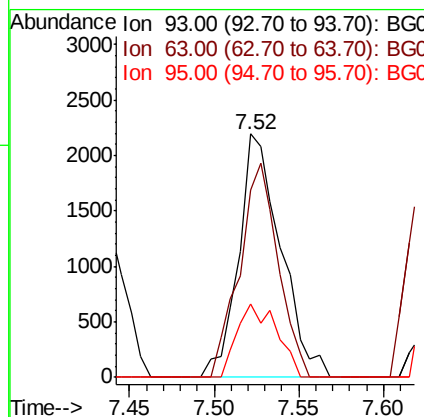
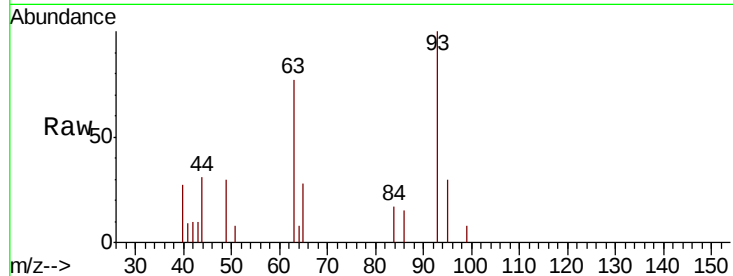
#11
bis(2-Chloroethyl)ether
Concen: 0.976 ng
RT: 7.52 min Scan# 720
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.0	69.5	109.5
95	30.4	12.6	52.6

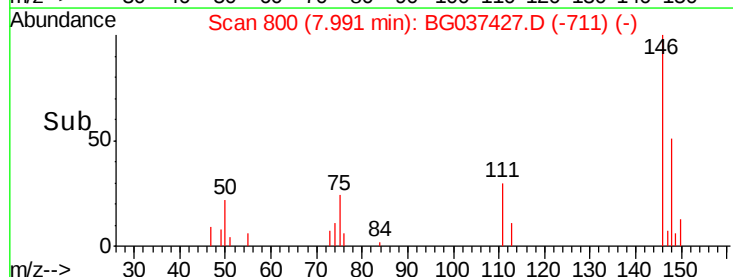
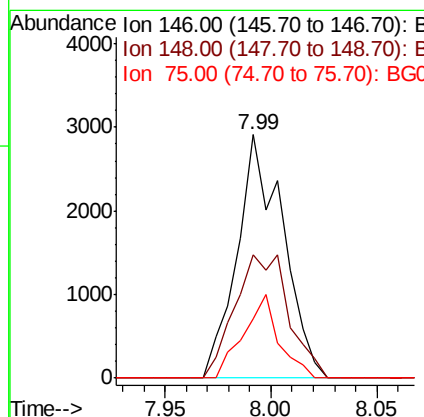
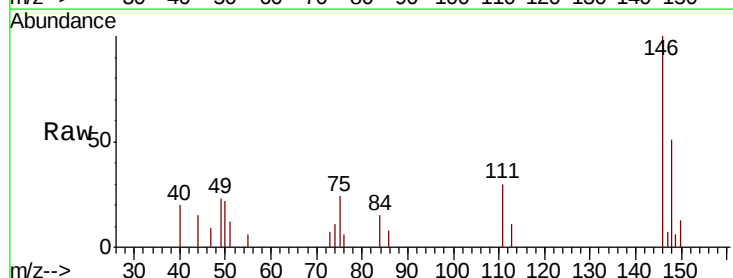
Manual Integrations
APPROVED

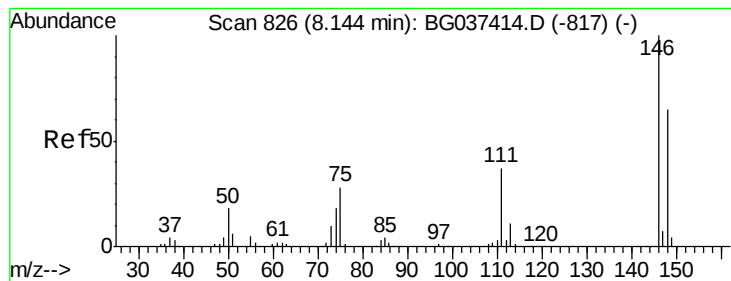
Sohil
10/19/2018 3:57:49 PM



#12
1,3-Dichlorobenzene
Concen: 1.045 ng
RT: 7.99 min Scan# 800
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	50.9	49.8	74.8
75	24.4	23.2	34.8





#13

1,4-Dichlorobenzene

Concen: 0.993 ng

RT: 8.14 min Scan# 826

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

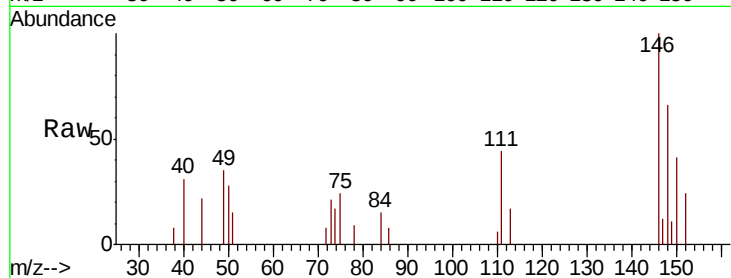
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

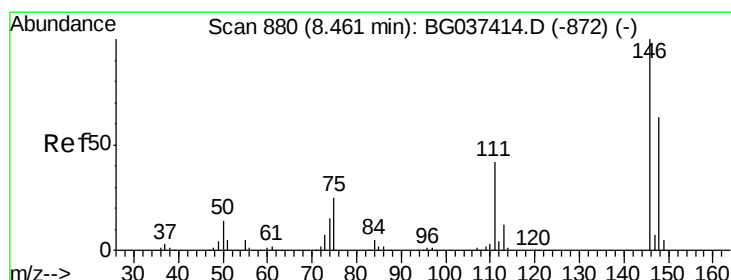
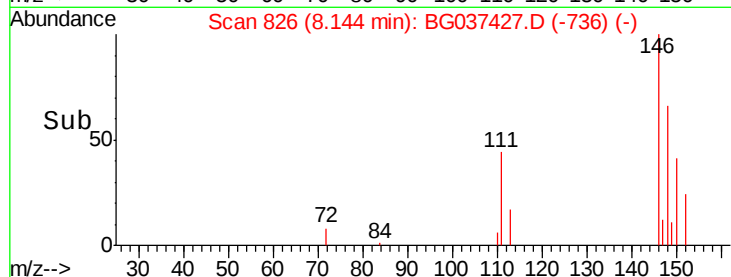
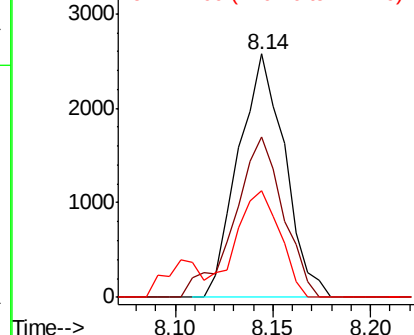
Tot Ion:	146	Resp:	4248
Ion Ratio	Lower	Upper	
146	100		
148	65.8	51.0	76.6
111	43.6	32.4	48.6

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 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: 0.943 ng

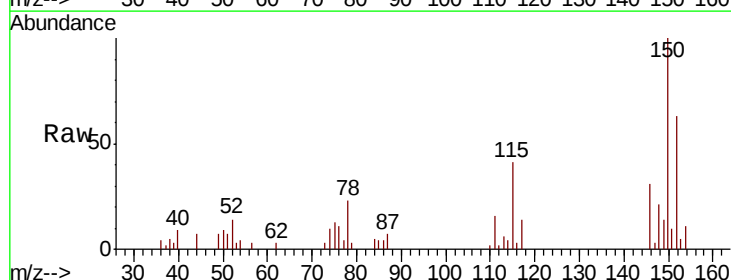
RT: 8.46 min Scan# 880

Delta R.T. 0.00 min

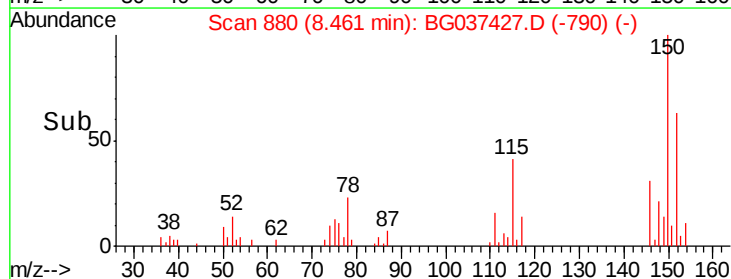
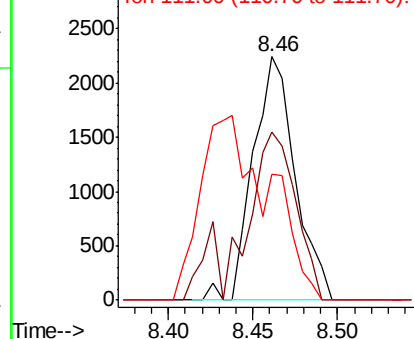
Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	146	Resp:	3878
Ion Ratio	Lower	Upper	
146	100		
148	68.9	50.4	75.6
111	51.5	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: 0.932 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

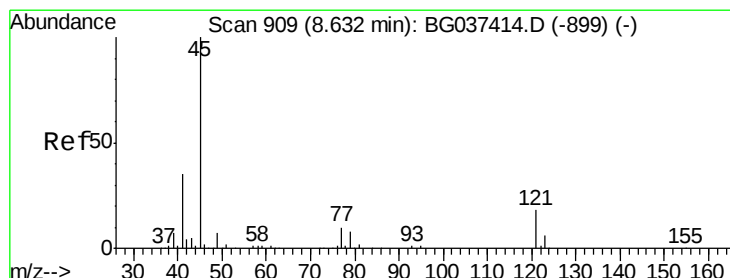
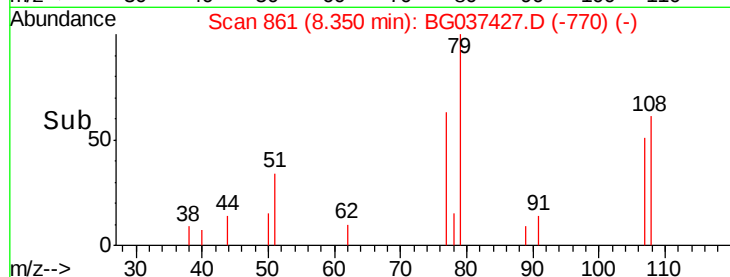
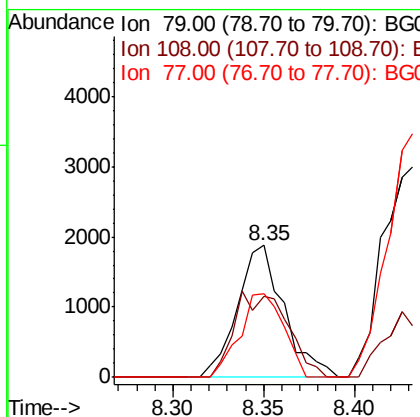
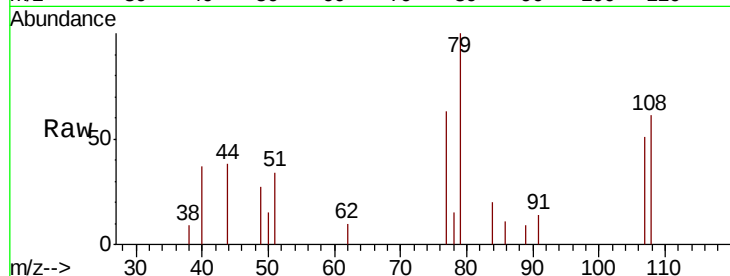
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
79	100		
108	61.0	65.8	98.8#
77	62.9	52.9	79.3

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.005 ng

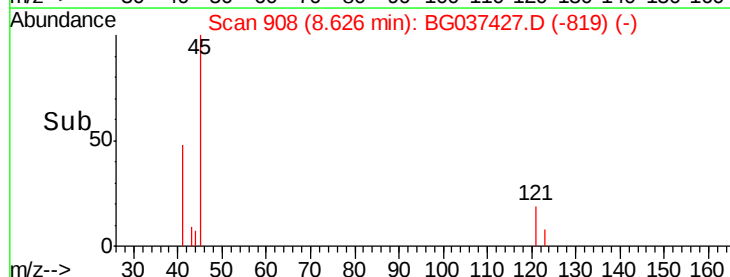
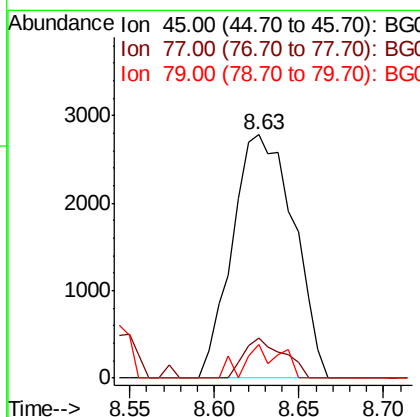
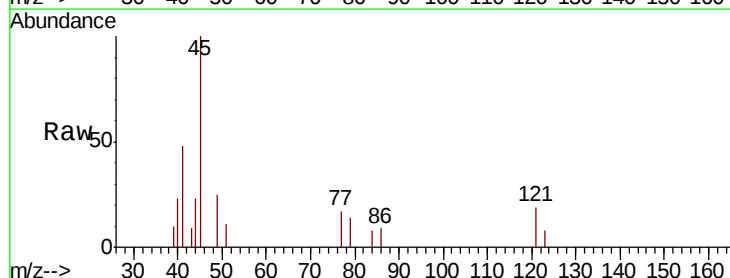
RT: 8.63 min Scan# 908

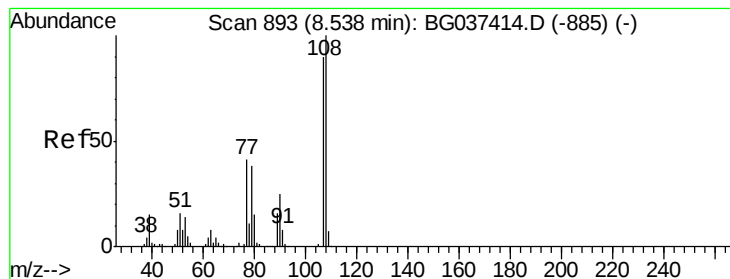
Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	30.0
79	14.1	0.0	29.0





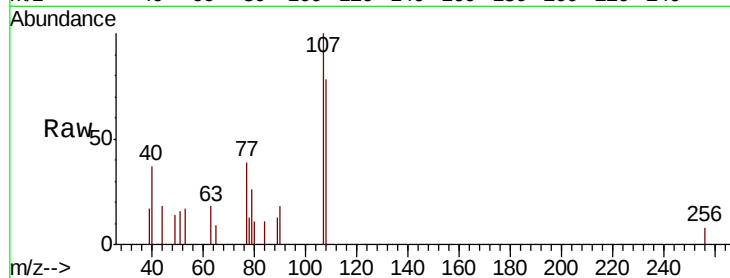
#17
2-Methylphenol
Concen: 0.887 ng
RT: 8.53 min Scan# 892
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
107	100		
108	78.5	87.9	131.9#
77	38.5	35.1	52.7
79	26.4	34.5	51.7#

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



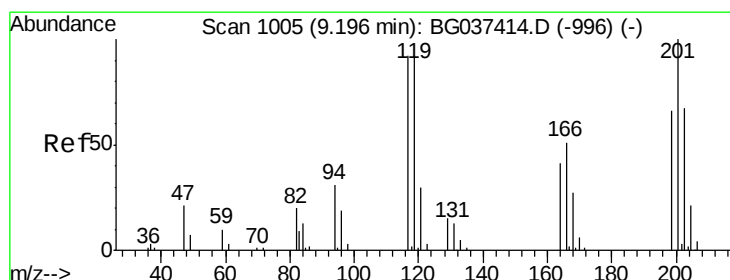
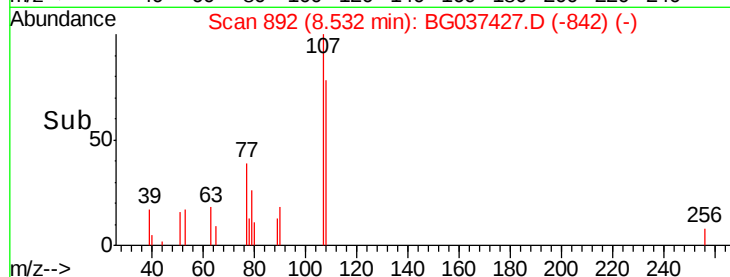
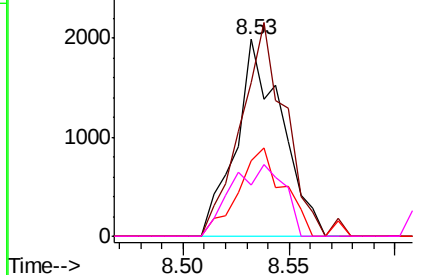
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 0.736 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

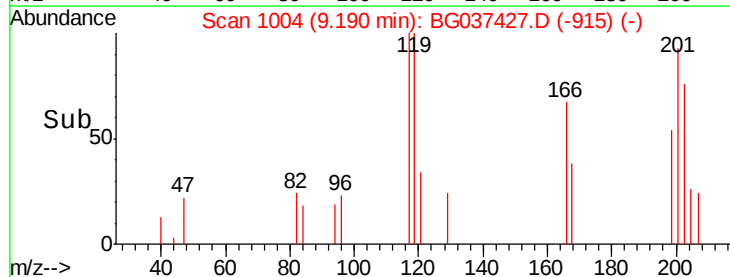
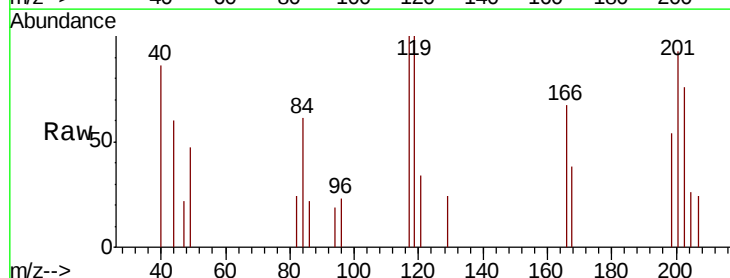
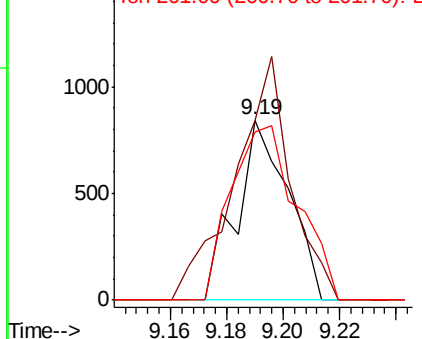
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	74.6	111.8
201	93.0	80.8	121.2

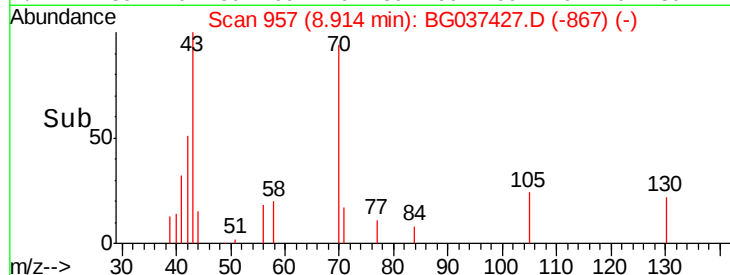
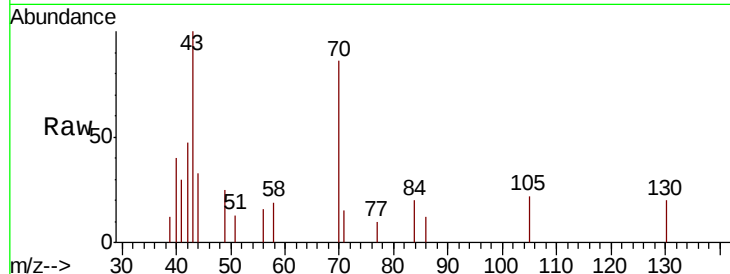
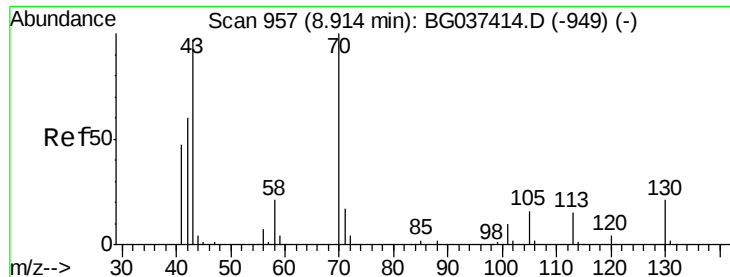
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





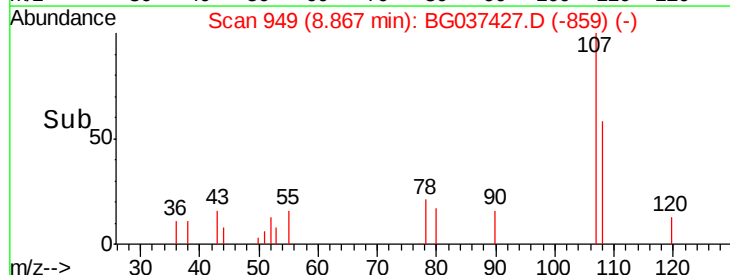
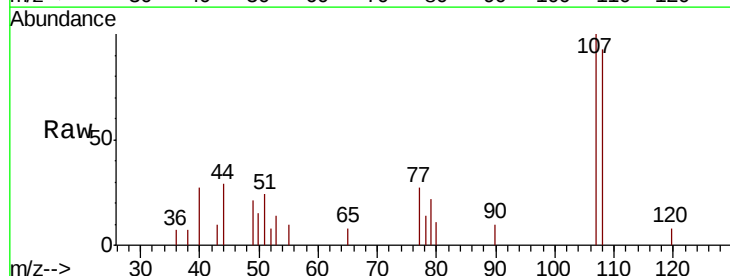
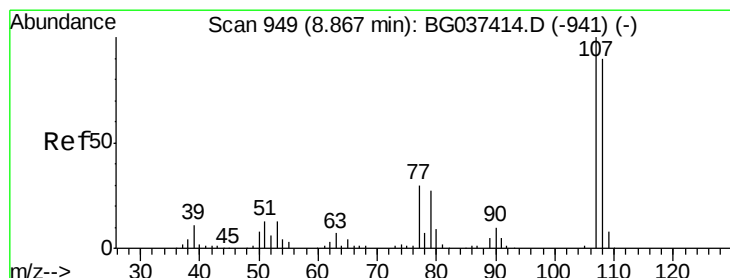
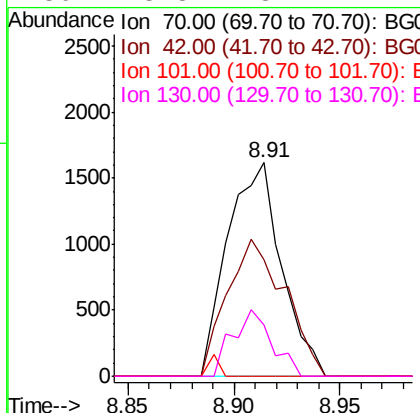
#19
n-Nitroso-di-n-propylamine
Concen: 0.856 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.2	53.9	80.9
101	0.0	8.2	12.2#
130	23.8	18.2	27.4

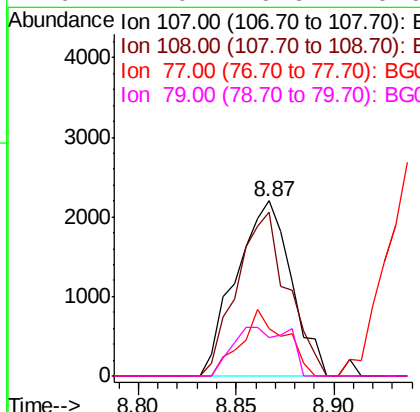
Manual Integrations
APPROVED

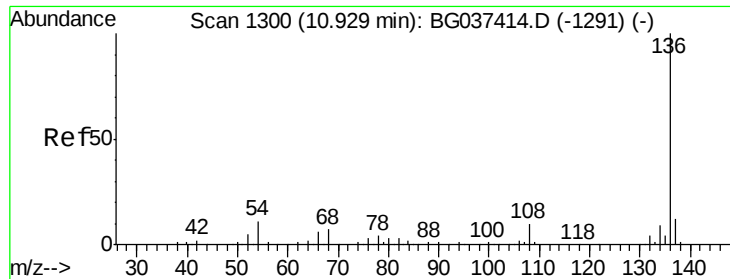
Sohil
10/19/2018 3:57:49 PM



#20
3+4-Methylphenols
Concen: 0.887 ng
RT: 8.87 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.3	69.9	109.9
77	27.1	11.2	51.2
79	22.0	6.6	46.6





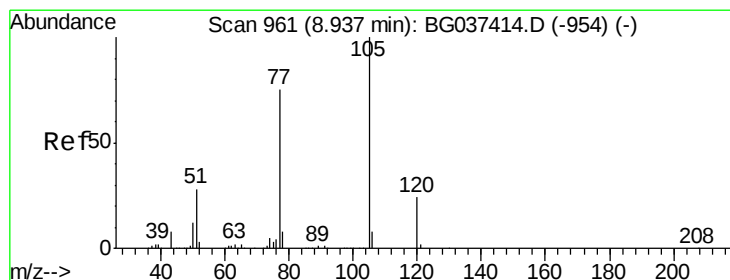
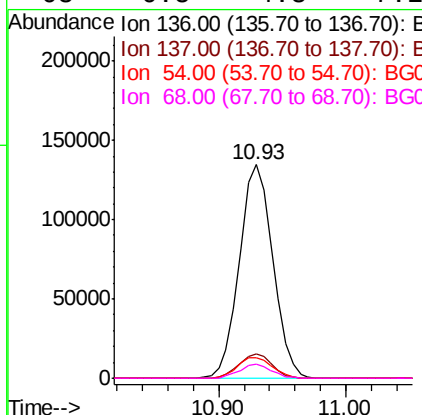
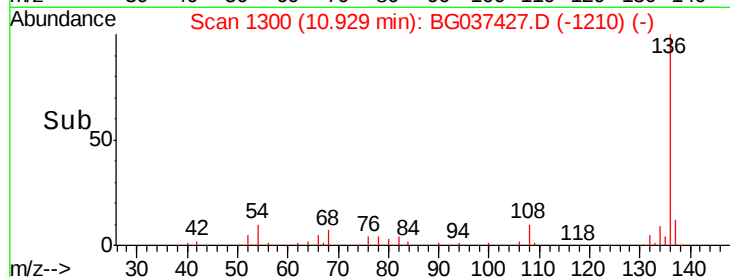
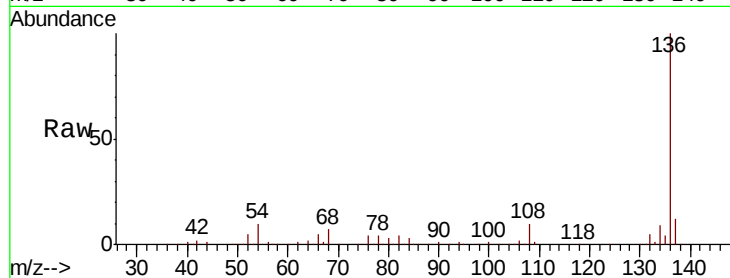
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.7	9.6	14.4	
54	9.5	7.9	11.9	
68	6.5	4.8	7.2	

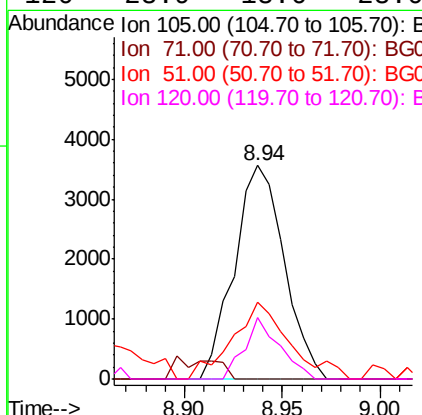
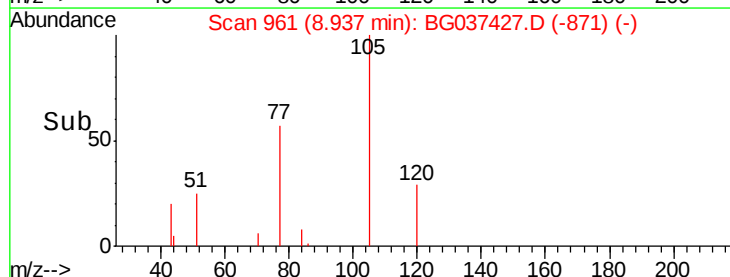
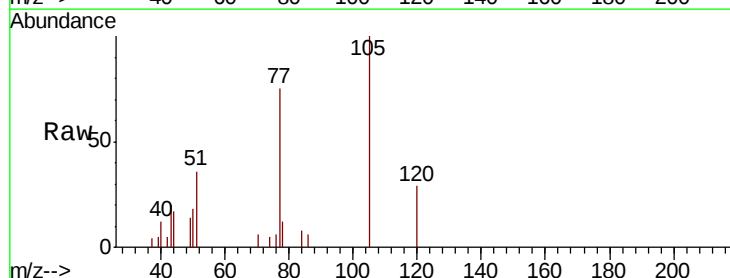
Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#22
Acetophenone
Concen: 1.018 ng
RT: 8.94 min Scan# 961
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	1.2	1.8#	
51	35.7	25.0	37.6	
120	28.9	18.6	28.0#	





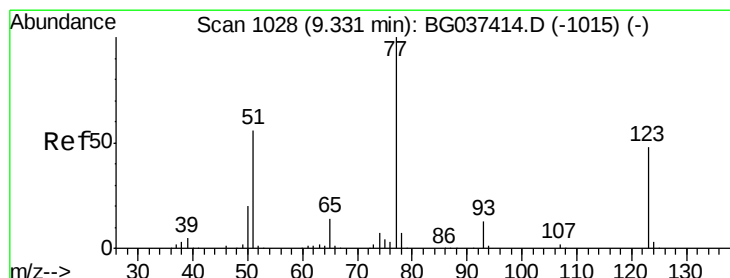
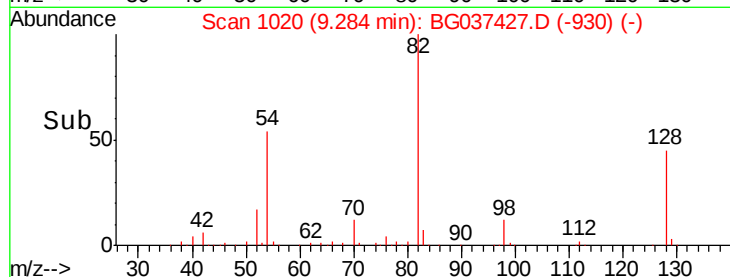
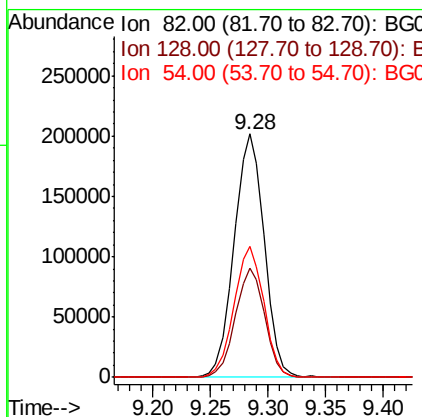
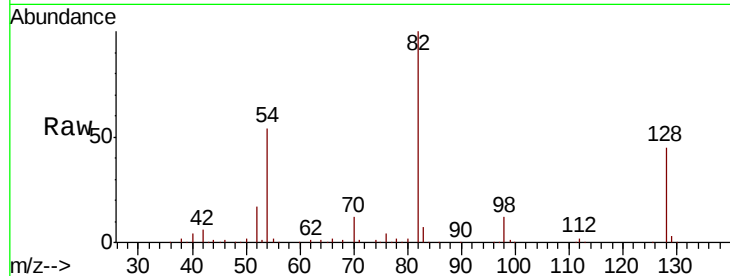
#23
Nitrobenzene-d5
Concen: 82.653 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	34.6	51.8	
54	53.6	45.3	67.9	

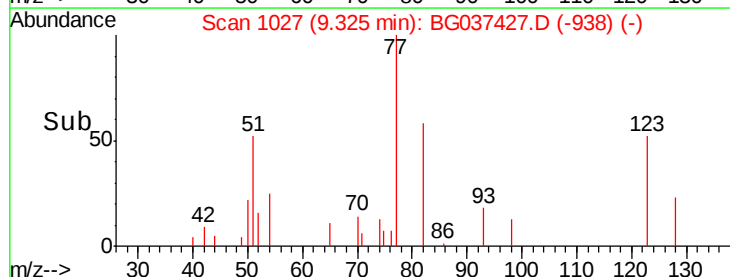
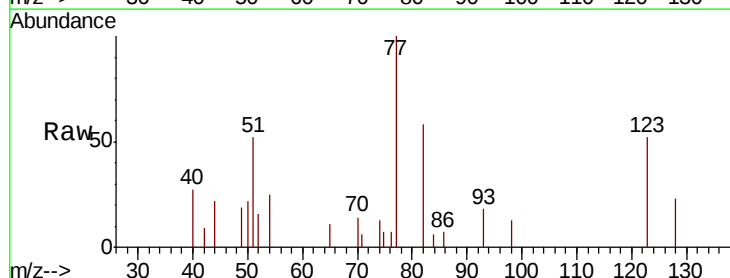
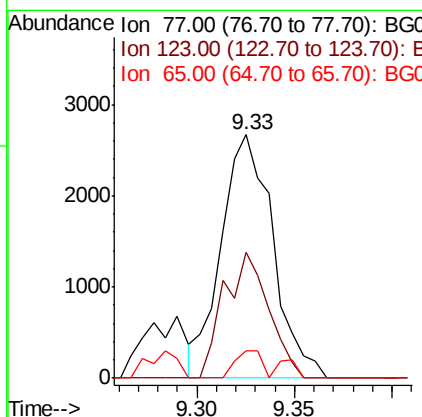
Manual Integrations
APPROVED

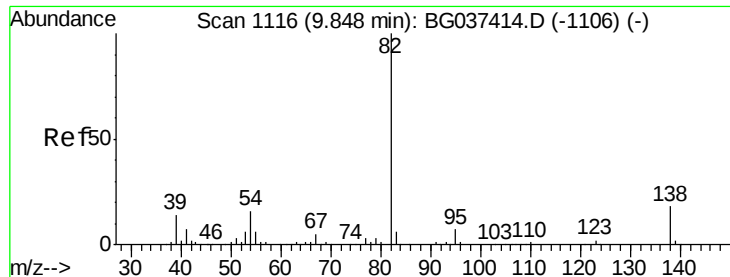
Sohil
10/19/2018 3:57:49 PM



#24
Nitrobenzene
Concen: 1.068 ng
RT: 9.33 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	51.9	33.6	50.4#	
65	11.0	11.3	16.9#	





#25

Isophorone

Concen: 1.055 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

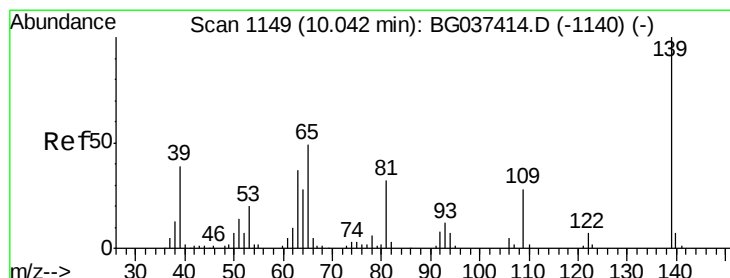
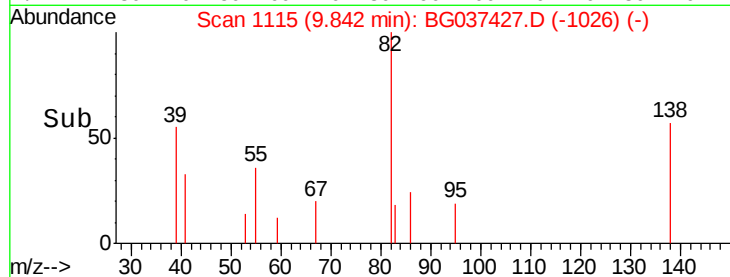
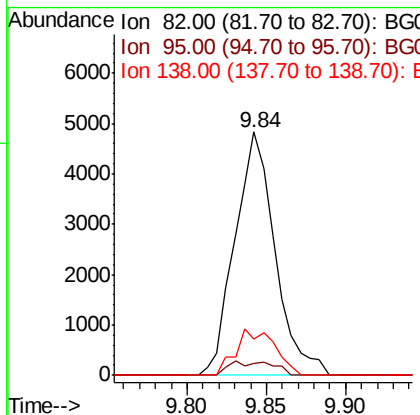
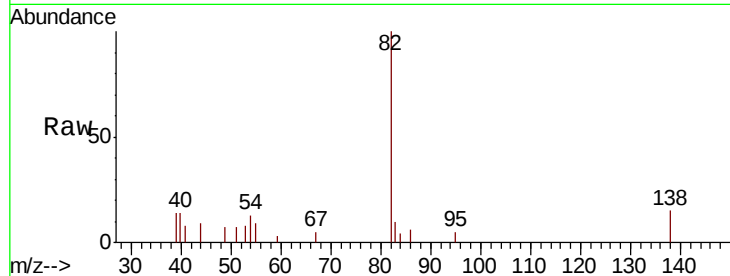
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	82	Resp:	8491
Ion Ratio	Lower	Upper	
82	100		
95	4.8	5.3	7.9#
138	14.7	13.3	19.9

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#26

2-Nitrophenol

Concen: 0.745 ng

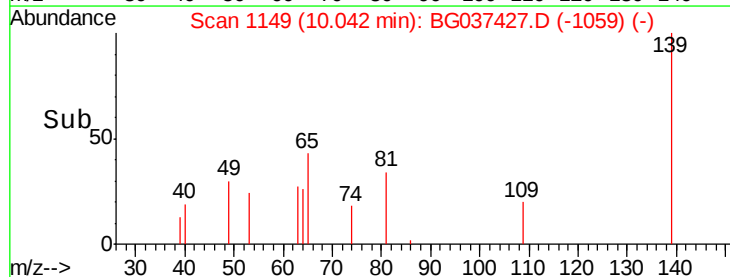
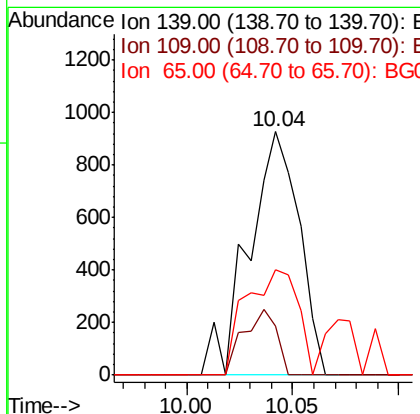
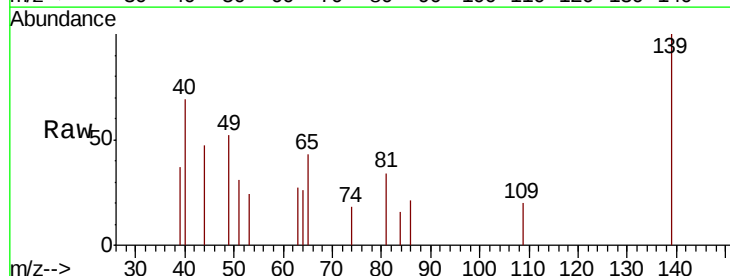
RT: 10.04 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	139	Resp:	1535
Ion Ratio	Lower	Upper	
139	100		
109	20.0	23.3	34.9#
65	43.5	39.8	59.8





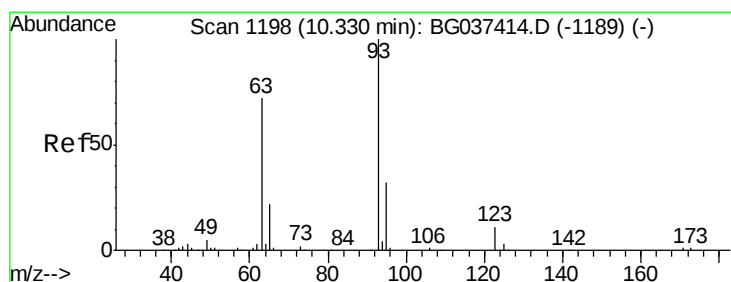
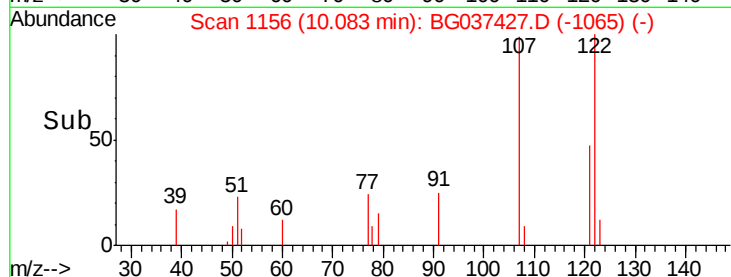
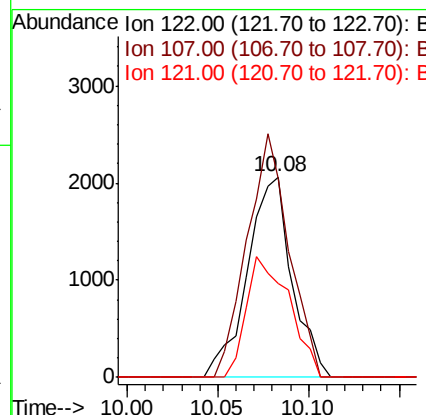
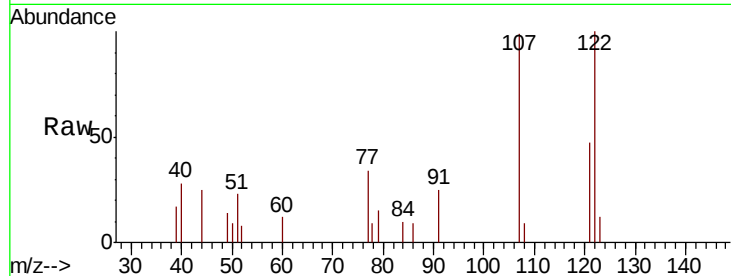
#27
 2,4-Dimethylphenol
 Concen: 0.960 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	98.9	94.2	141.2
121	47.0	47.3	70.9#

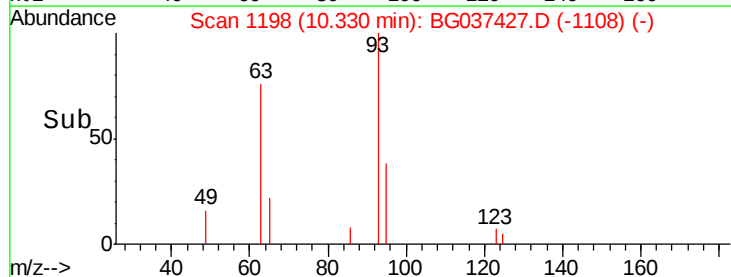
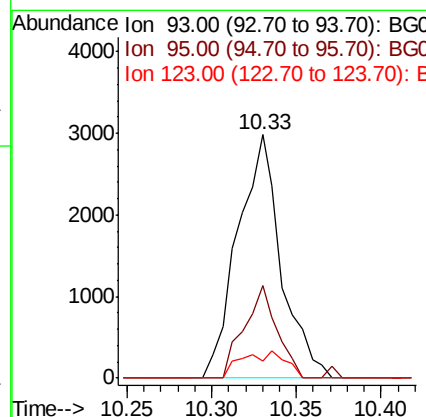
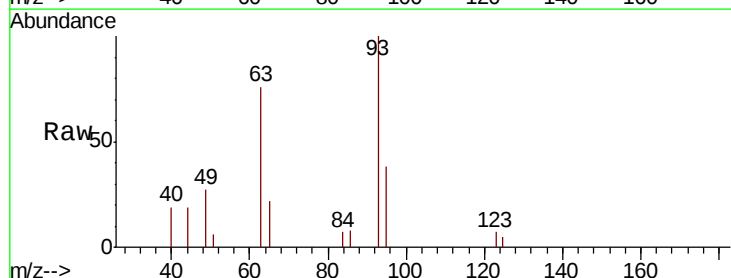
Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 1.010 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	38.3	24.6	37.0#
123	6.8	9.1	13.7#





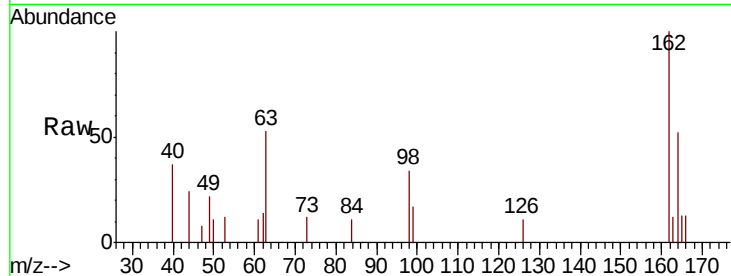
#29
2,4-Dichlorophenol
Concen: 0.809 ng
RT: 10.56 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	3317		
164	46.5		43.2	83.2
98	30.3		16.0	56.0

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

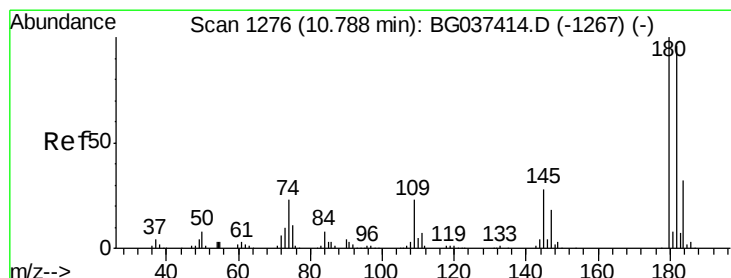
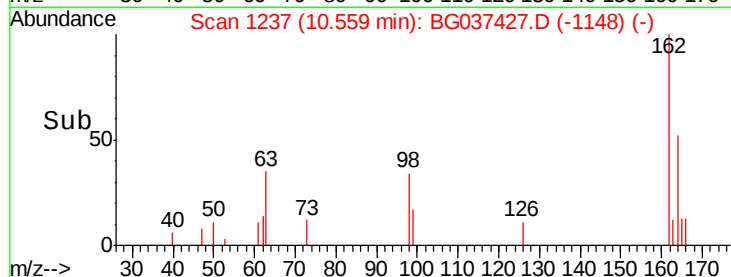
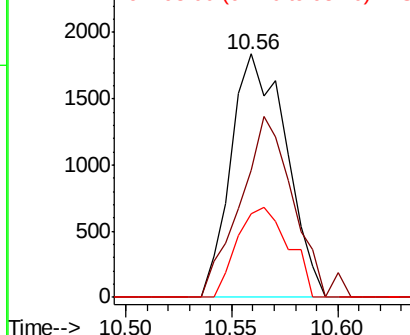


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 1.011 ng
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

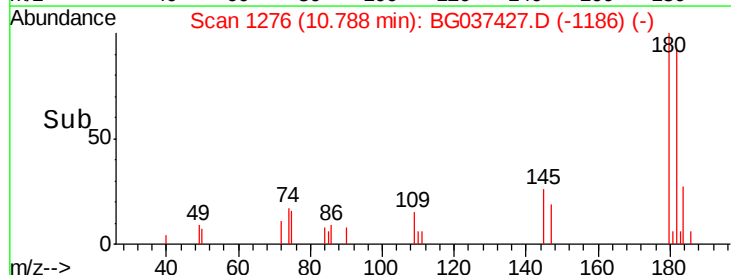
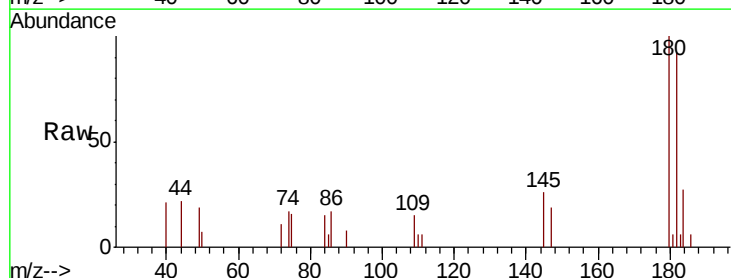
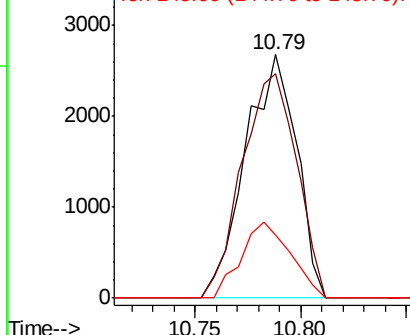
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4507		
182	92.3		77.7	116.5
145	26.1		23.3	34.9

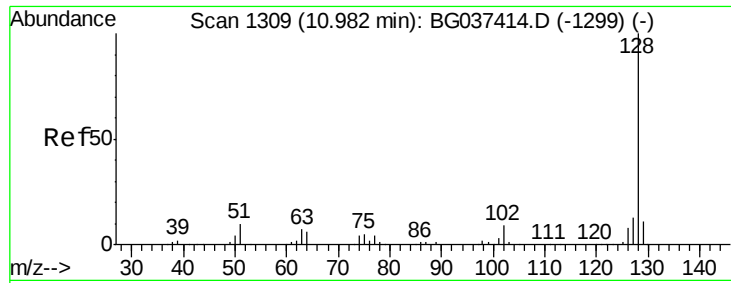
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





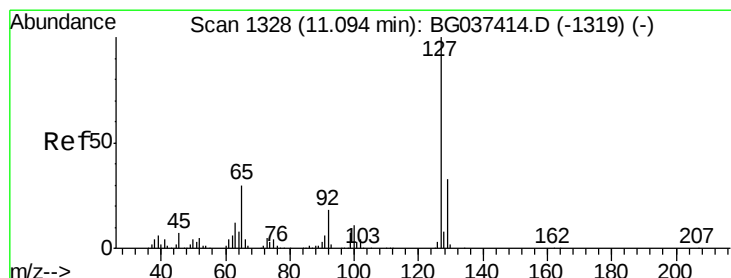
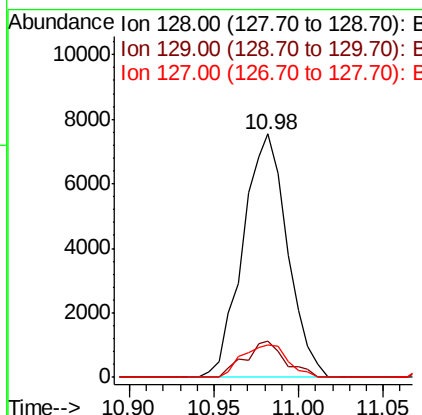
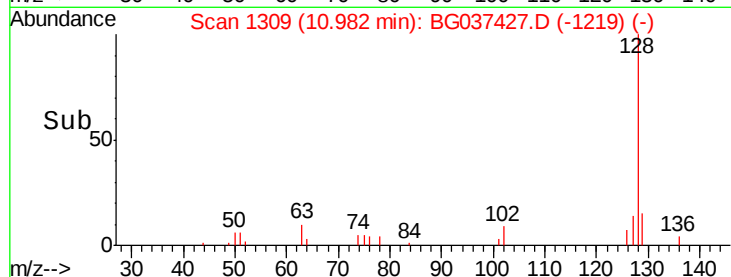
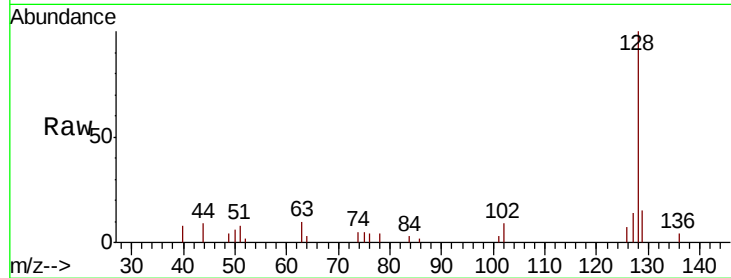
#31
Naphthalene
Concen: 1.140 ng
RT: 10.98 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.0	13.6#
127	13.5	11.1	16.7

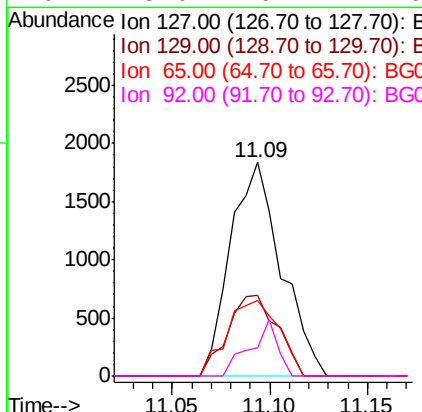
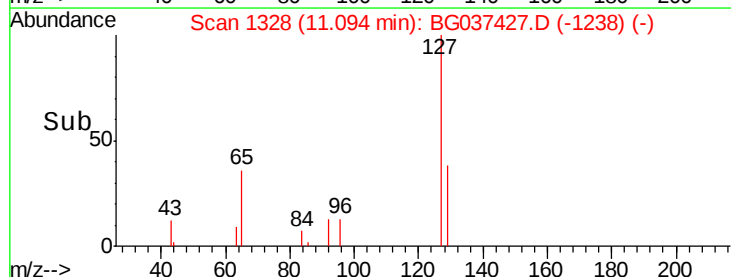
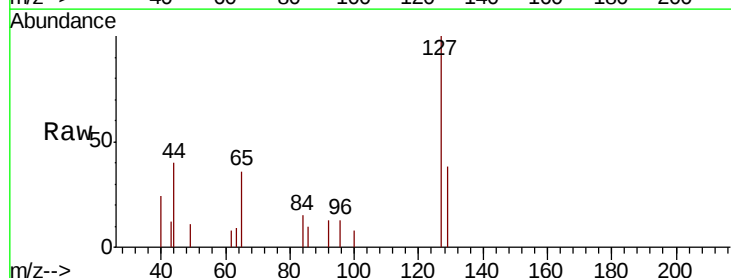
Manual Integrations
APPROVED

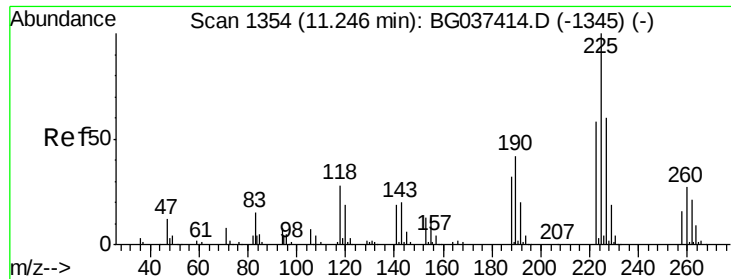
Sohil
10/19/2018 3:57:49 PM



#33
4-Chloroaniline
Concen: 0.581 ng
RT: 11.09 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
127	100		
129	37.7	27.1	40.7
65	35.7	26.6	39.8
92	13.0	16.4	24.6#





#34

Hexachlorobutadiene

Concen: 0.940 ng

RT: 11.25 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

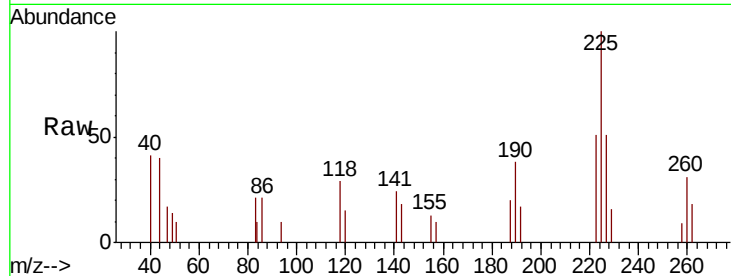
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	225	Resp:	2483
Ion Ratio	Lower	Upper	
225	100		
223	51.4	48.2	72.4
227	51.3	51.6	77.4

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

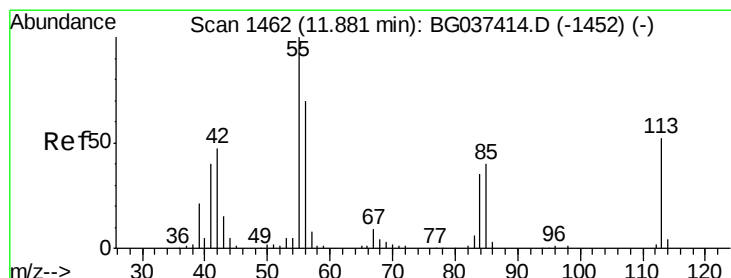
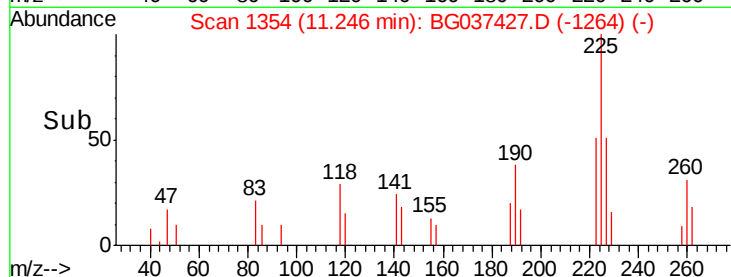
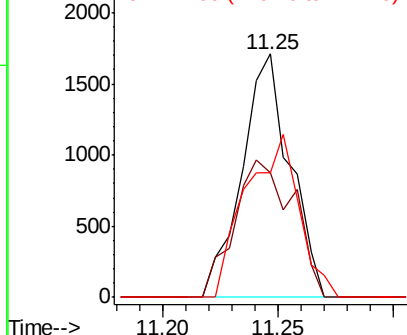


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 0.054 ng

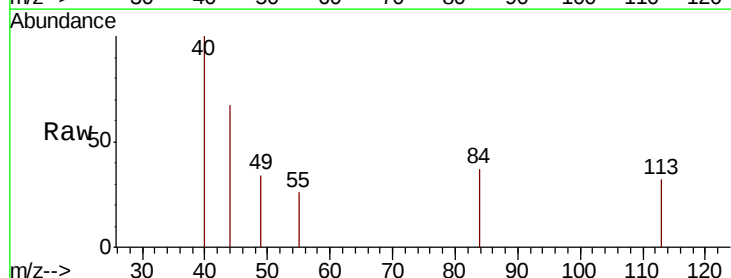
RT: 11.91 min Scan# 1467

Delta R.T. 0.03 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	113	Resp:	88
Ion Ratio	Lower	Upper	
113	100		
55	80.5	176.6	216.6
56	0.0	128.3	168.3

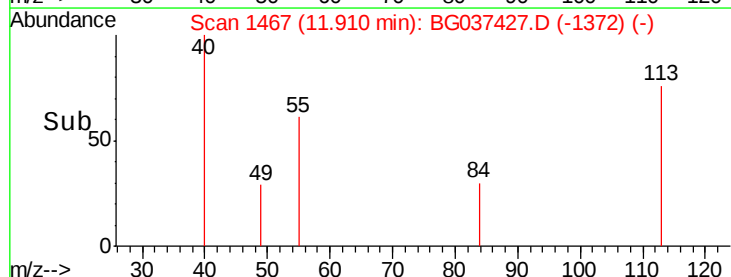
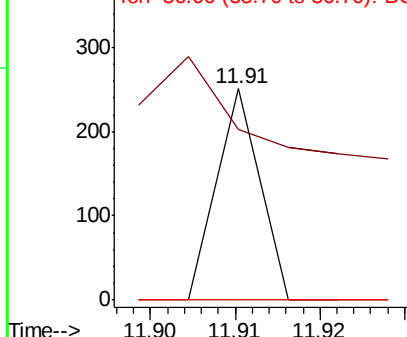


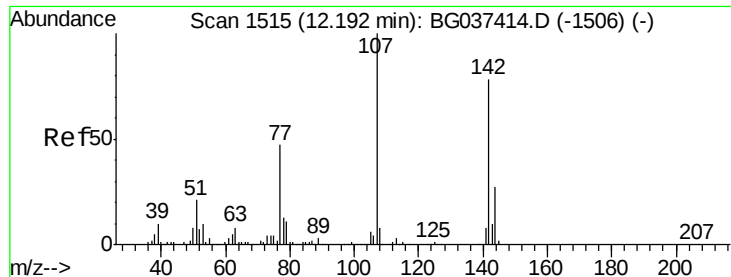
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





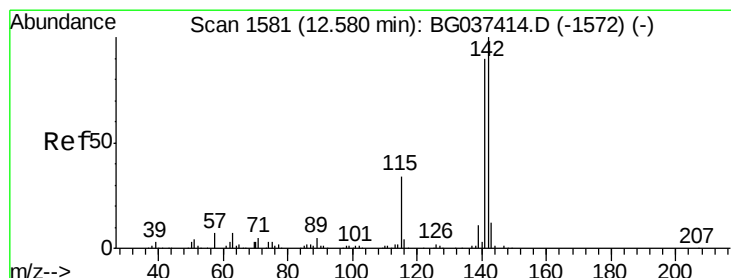
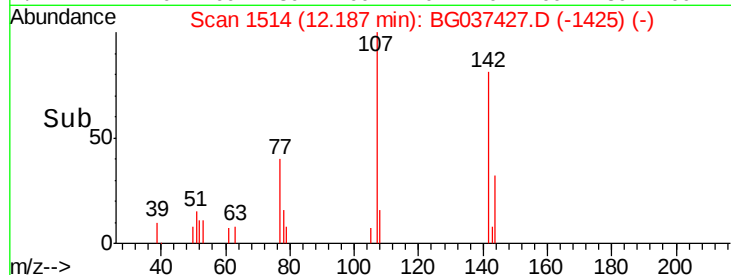
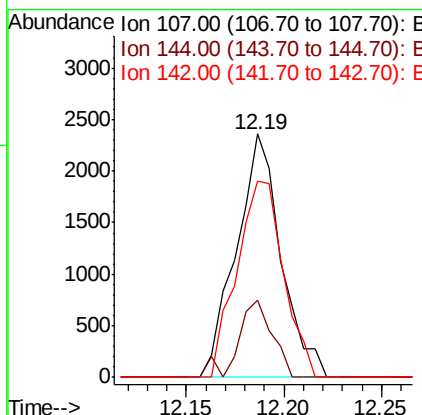
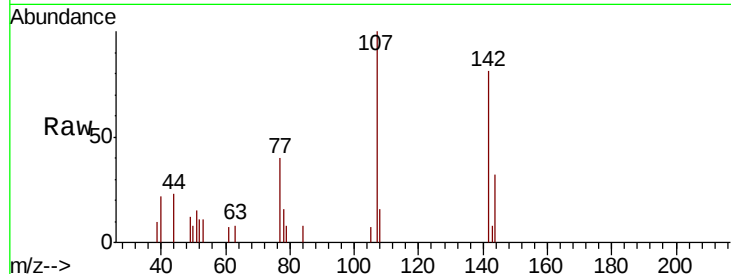
#36
 4-Chloro-3-methylphenol
 Concen: 0.809 ng
 RT: 12.19 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
107	100		
144	31.7	20.7	31.1#
142	80.6	64.4	96.6

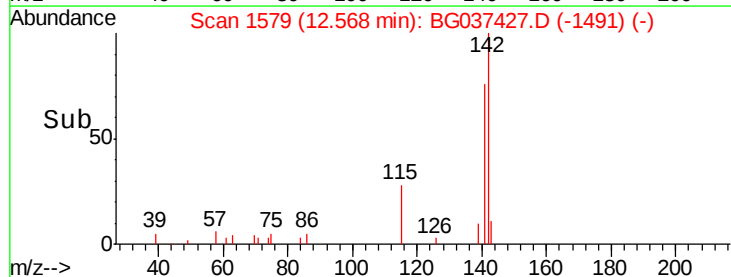
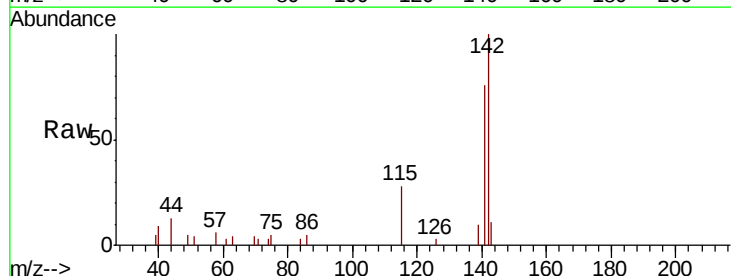
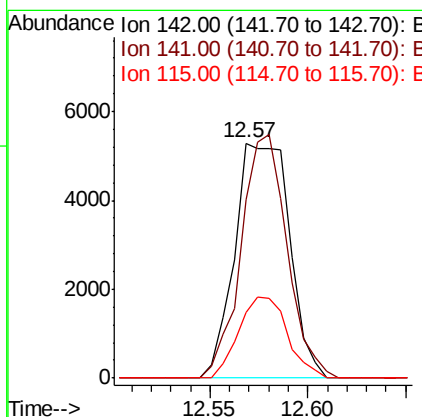
Manual Integrations
 APPROVED

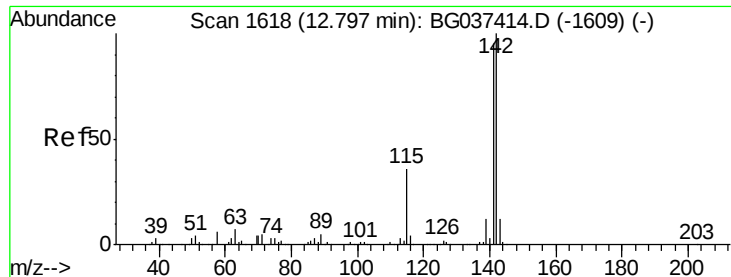
Sohil
 10/19/2018 3:57:49 PM



#37
 2-Methylnaphthalene
 Concen: 1.160 ng
 RT: 12.57 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	75.8	71.9	107.9
115	28.0	27.8	41.8





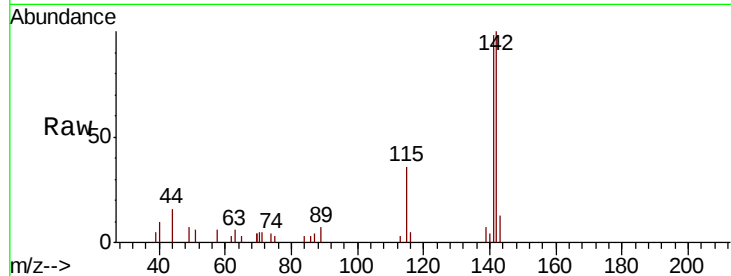
#38
1-Methylnaphthalene
Concen: 1.183 ng
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.5	75.2	112.8
116	4.6	3.3	4.9

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

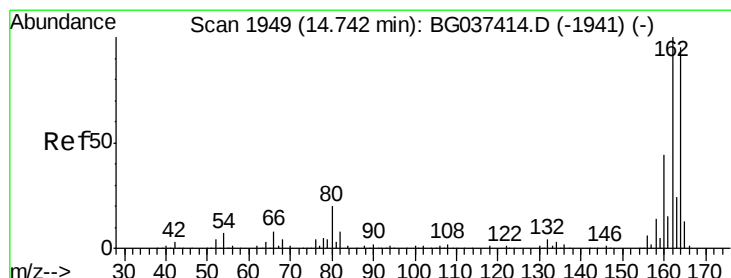
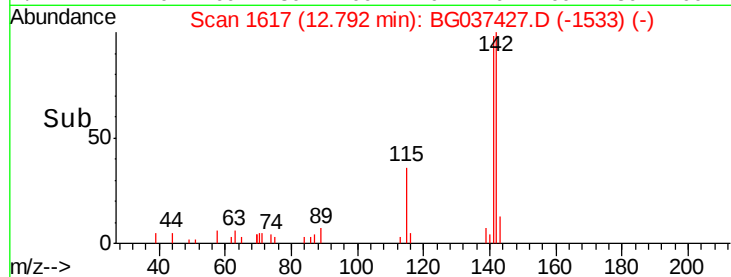
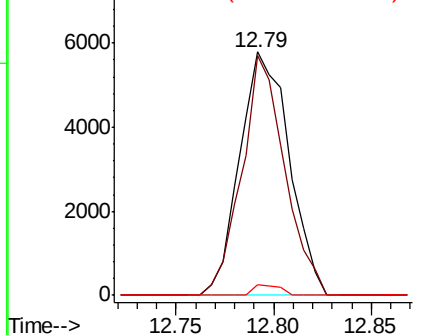


Abundance

Ion 142.00 (141.70 to 142.70): E

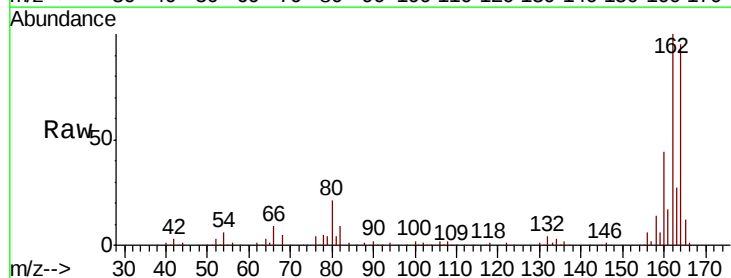
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	81.3	121.9
160	46.2	36.3	54.5

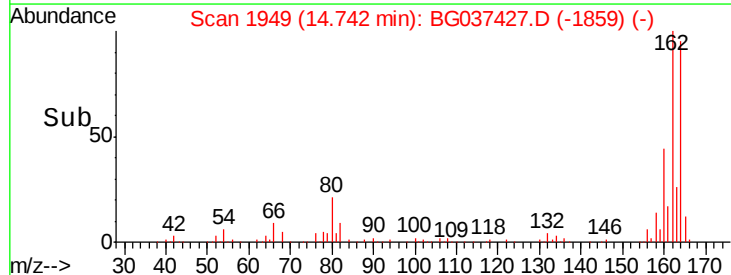
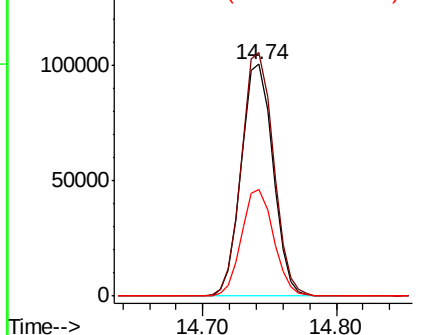


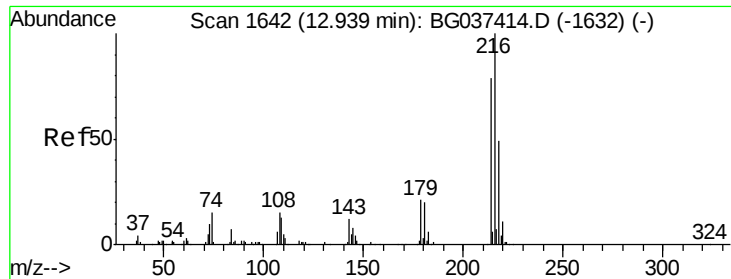
Abundance

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





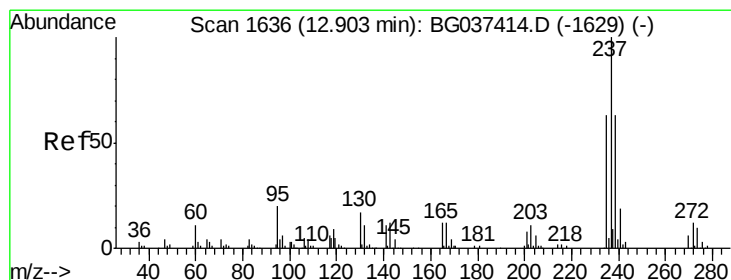
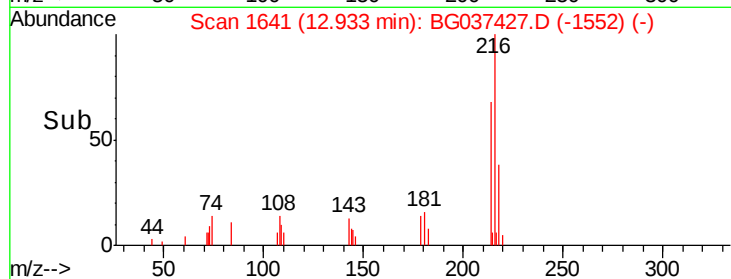
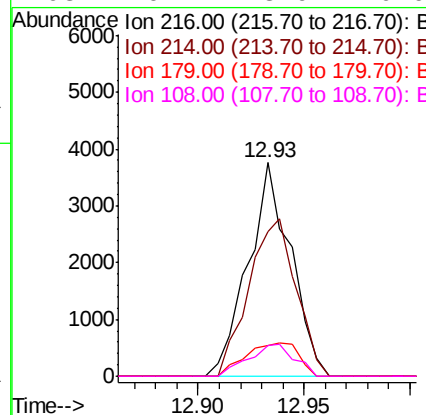
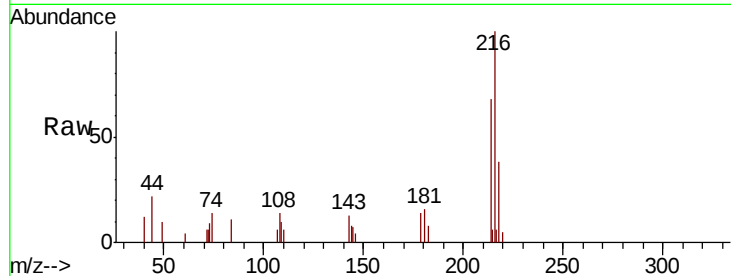
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.982 ng
 RT: 12.93 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
216	100		
214	82.1	63.8	95.6
179	19.5	17.4	26.0
108	16.2	13.9	20.9

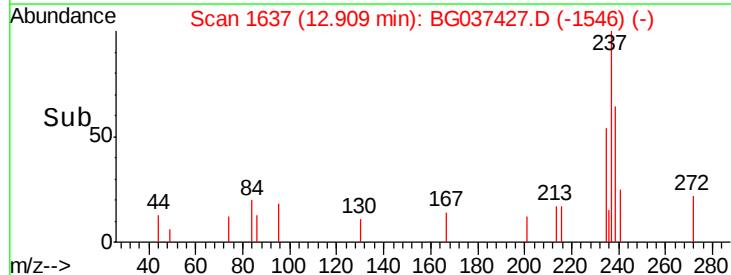
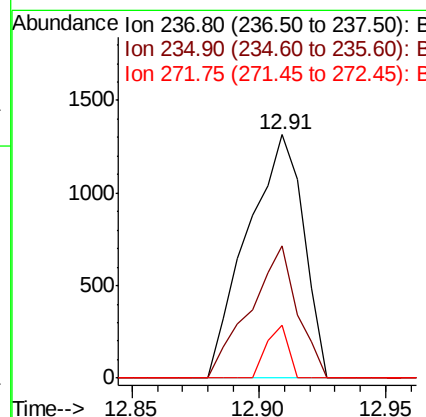
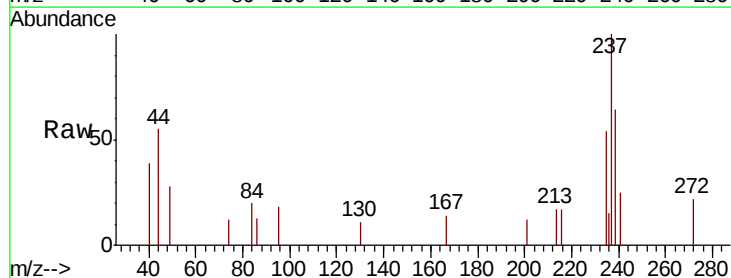
Manual Integrations
 APPROVED

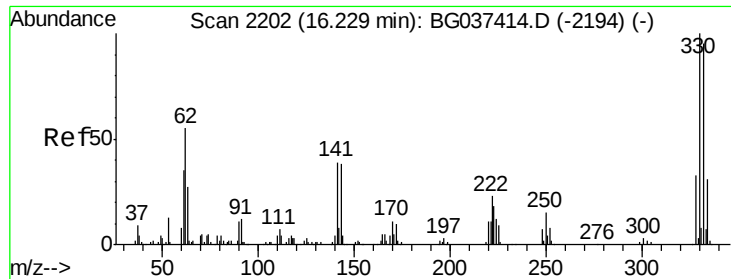
Sohil
 10/19/2018 3:57:49 PM



#41
 Hexachlorocyclopentadiene
 Concen: 0.798 ng
 RT: 12.91 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
237	100		
235	54.2	42.5	82.5
272	21.8	0.0	31.6





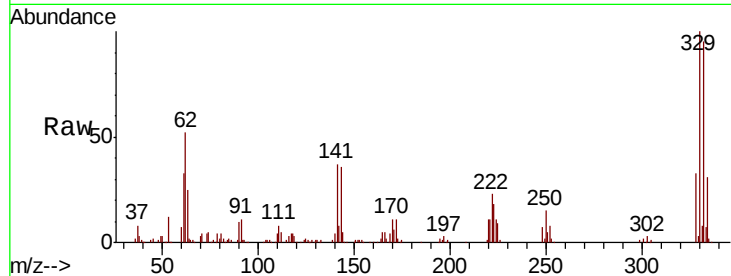
#42
 2,4,6-Tribromophenol
 Concen: 136.810 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	246838		
332	96.3	78.4	117.6	
141	39.0	32.2	48.2	

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

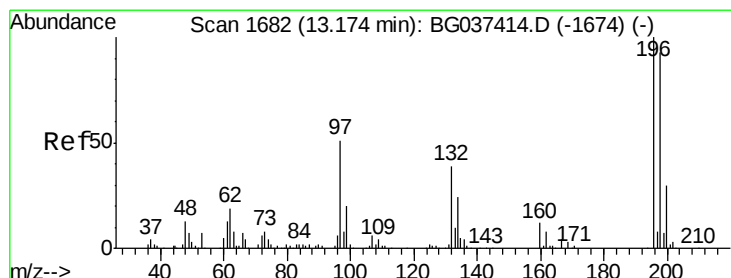
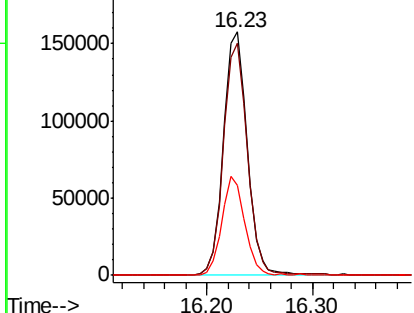
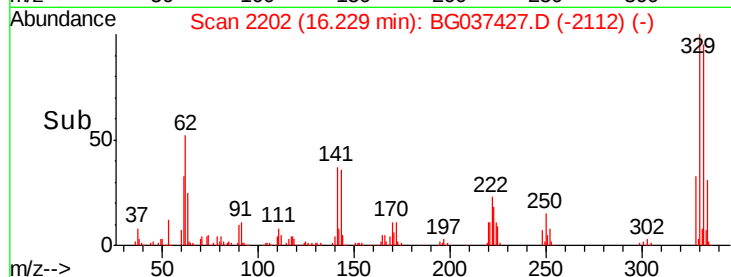


Abundance

Ion 329.80 (329.50 to 330.50): E

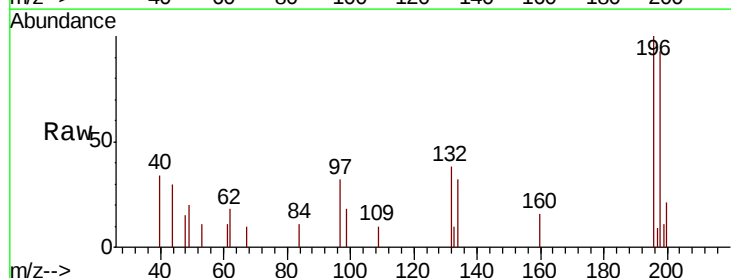
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#43
 2,4,6-Trichlorophenol
 Concen: 0.836 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	2980		
198	92.7	76.4	114.6	
200	21.3	24.9	37.3	

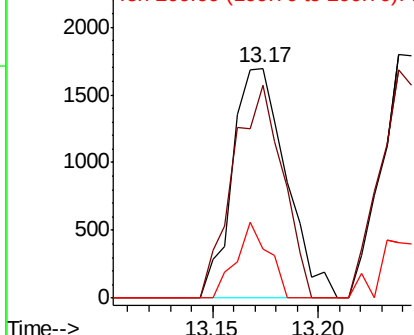
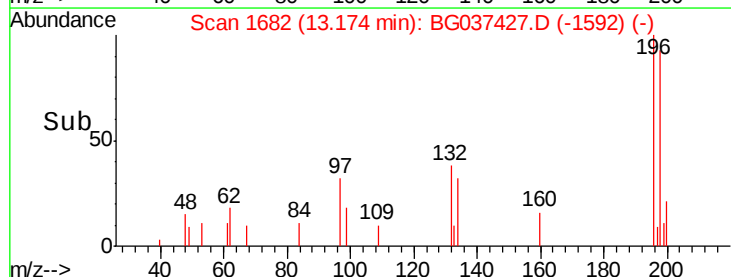


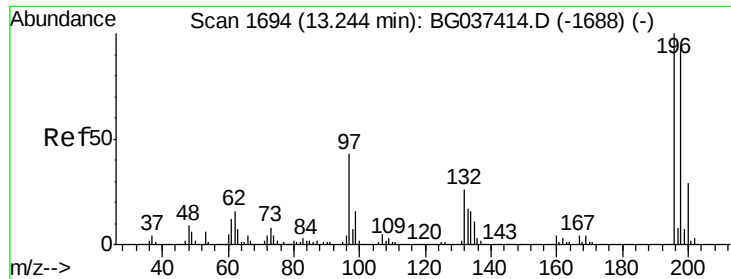
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





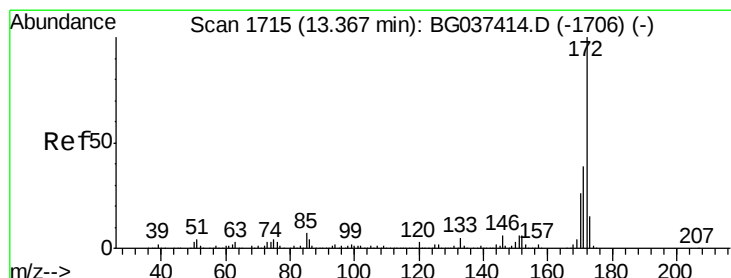
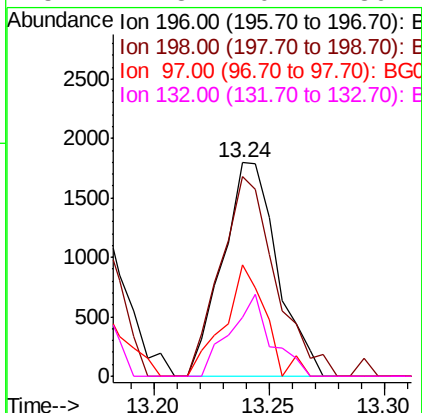
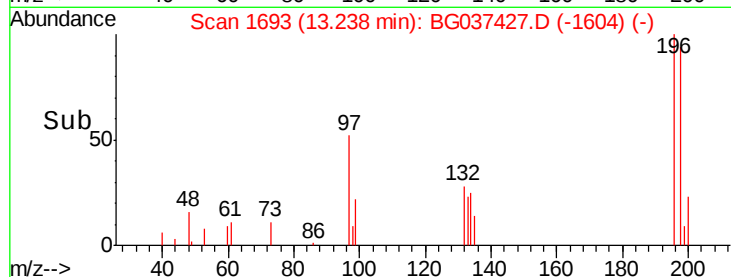
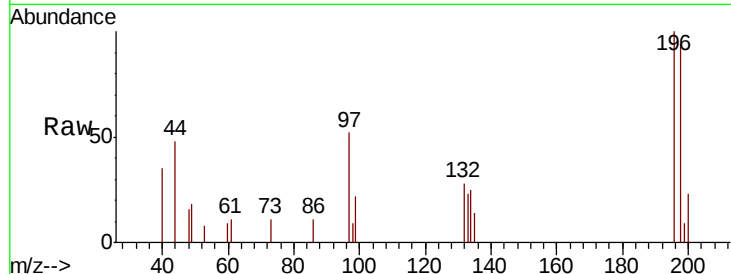
#44
2,4,5-Trichlorophenol
Concen: 0.765 ng
RT: 13.24 min Scan# 1693
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.8	74.2	111.2
97	52.0	34.1	51.1
132	27.8	20.2	30.4

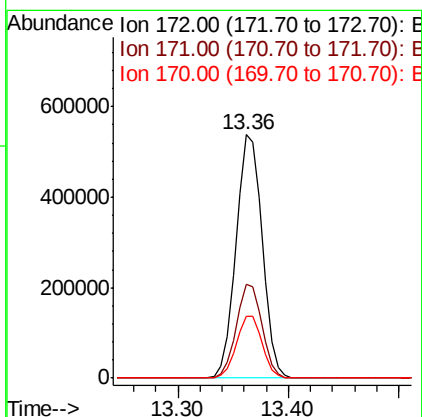
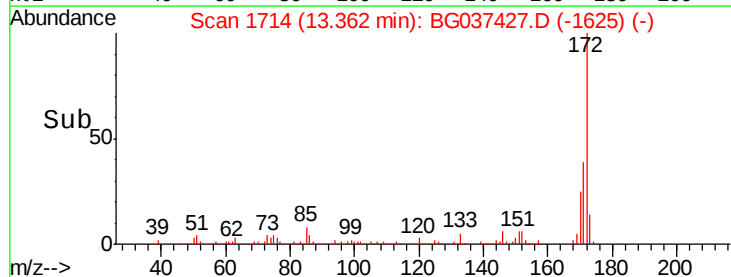
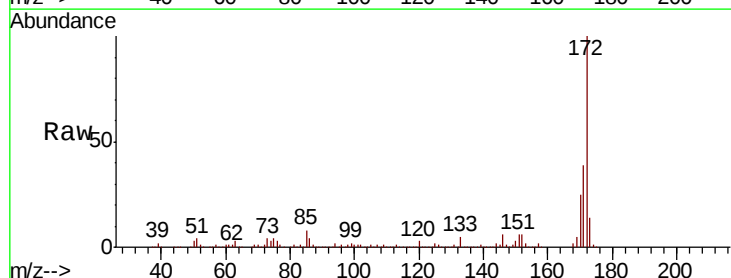
Manual Integrations
APPROVED

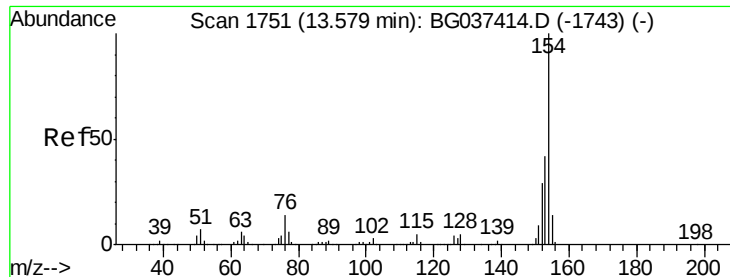
Sohil
10/19/2018 3:57:49 PM



#45
2-Fluorobiphenyl
Concen: 81.966 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	25.2	20.2	30.2





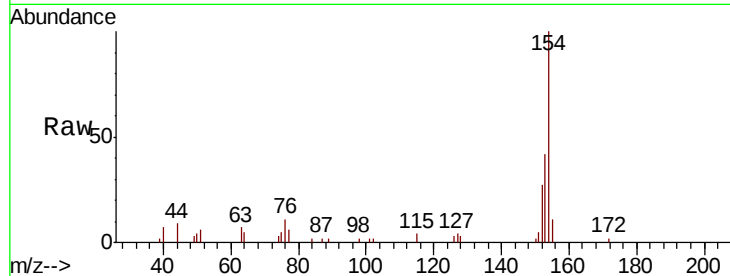
#46
1,1'-Biphenyl
Concen: 1.082 ng
RT: 13.58 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.1	62.1
76	11.4	0.0	33.2

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

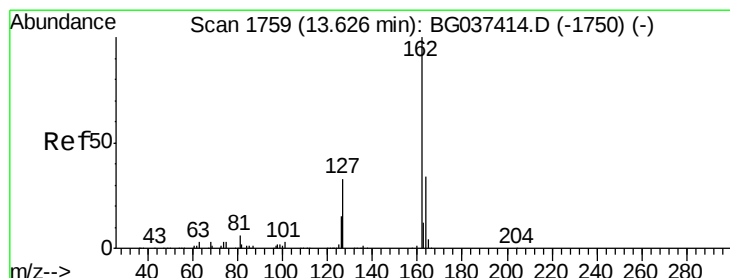
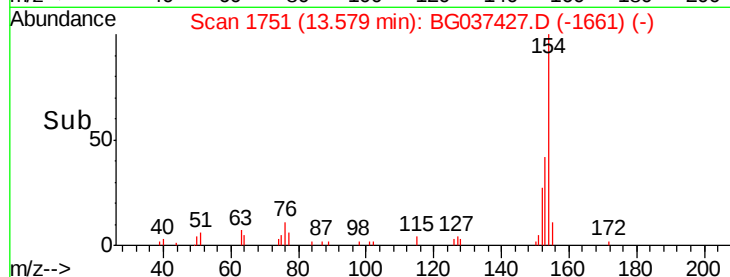
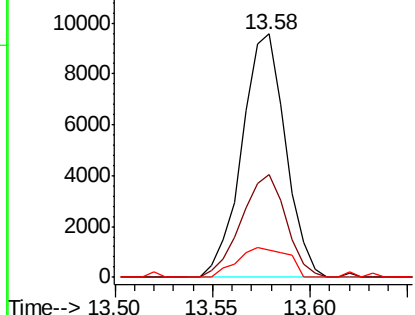


Abundance

Ion 154.00 (153.70 to 154.70): E

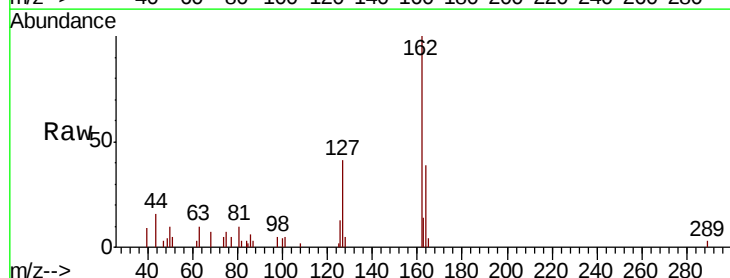
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#47
2-Chloronaphthalene
Concen: 1.033 ng
RT: 13.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.2	30.5	45.7
164	39.2	26.4	39.6

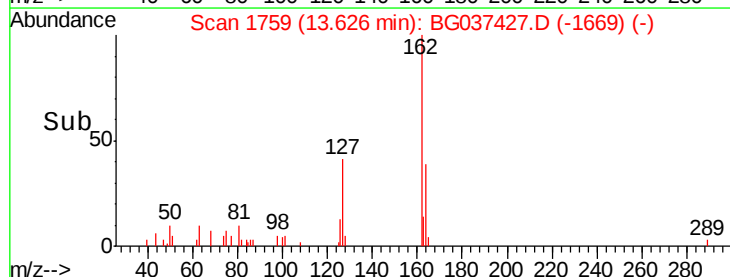
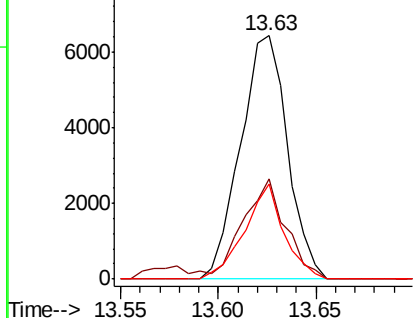


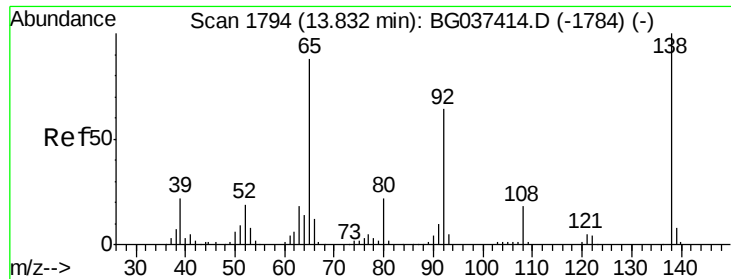
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





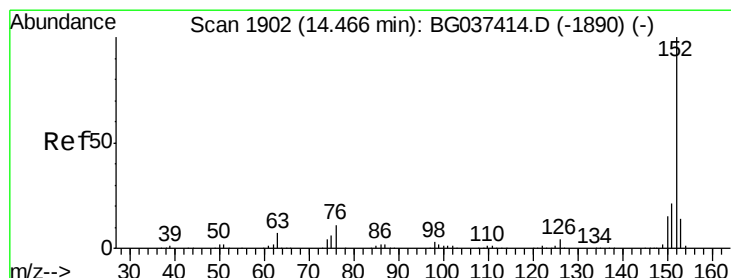
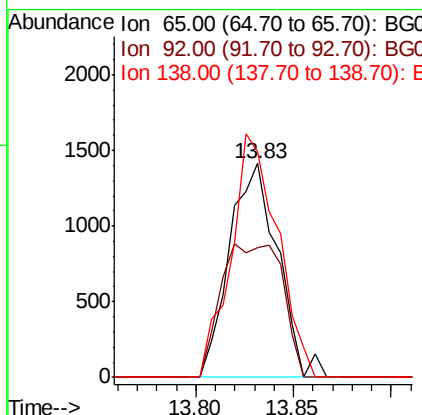
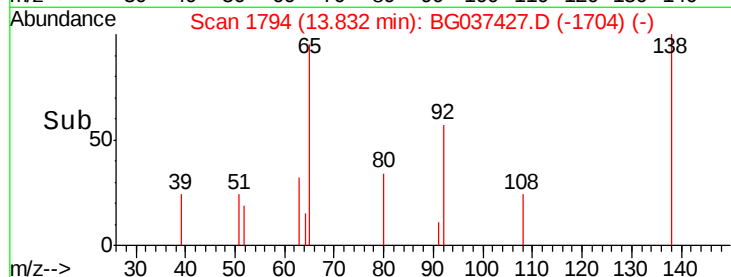
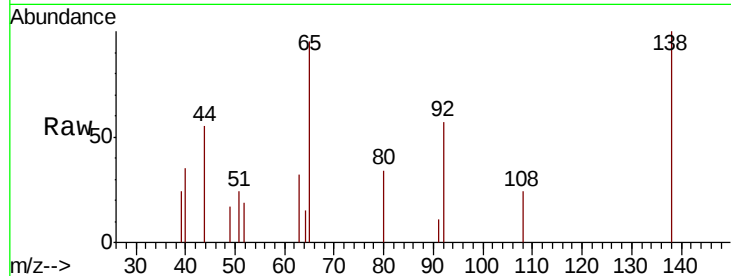
#48
2-Nitroaniline
Concen: 0.769 ng
RT: 13.83 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.4	53.2	79.8
138	105.7	79.3	118.9

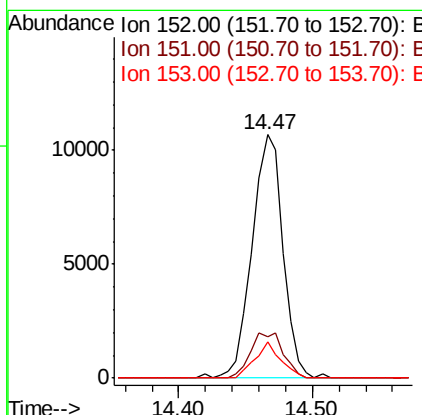
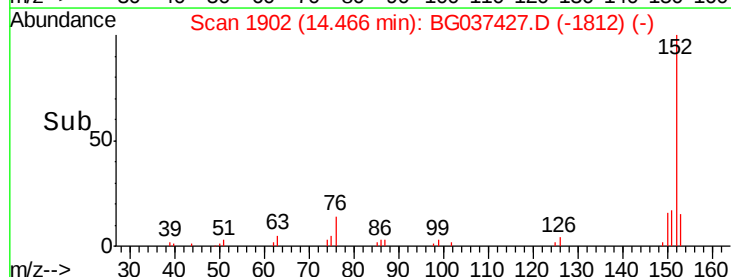
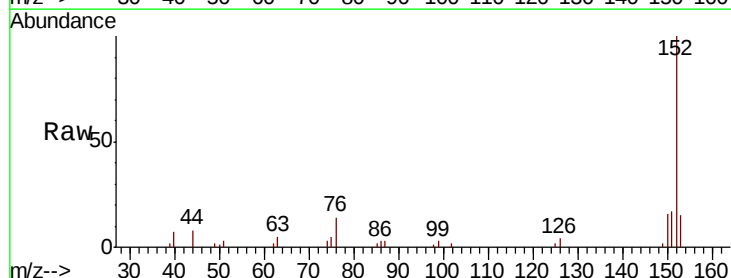
Manual Integrations
APPROVED

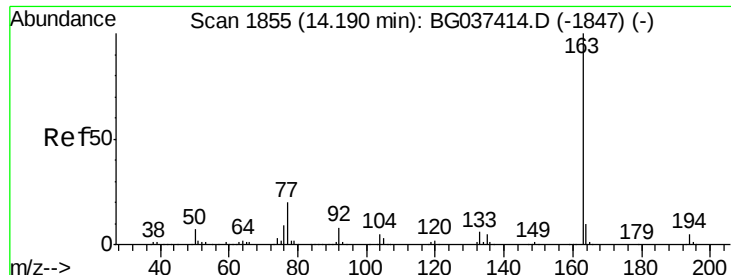
Sohil
10/19/2018 3:57:49 PM



#49
Acenaphthylene
Concen: 1.091 ng
RT: 14.47 min Scan# 1902
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.0	17.1	25.7#
153	14.7	11.1	16.7





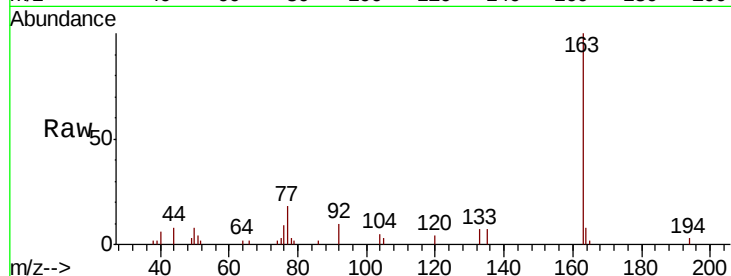
#50
Dimethylphthalate
Concen: 1.050 ng
RT: 14.18 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.5	5.3#
164	8.4	8.5	12.7#

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

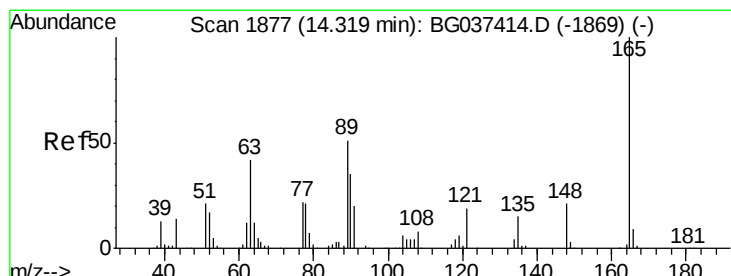
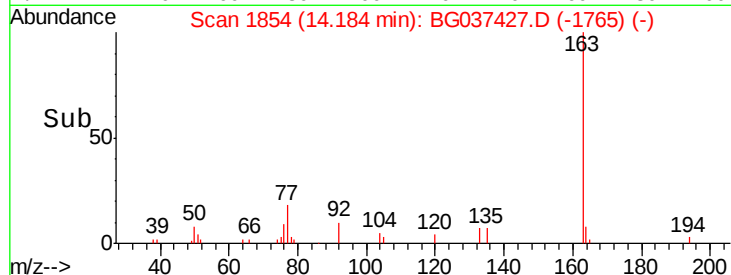
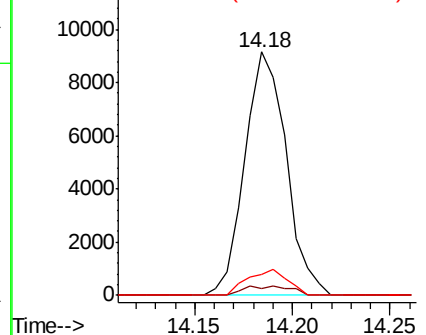


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 0.784 ng
RT: 14.32 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

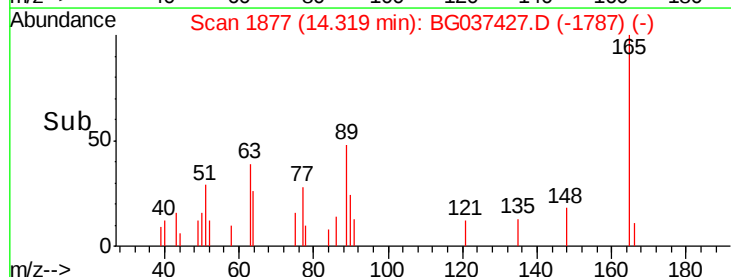
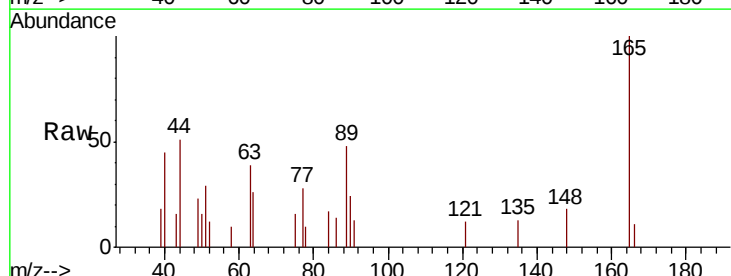
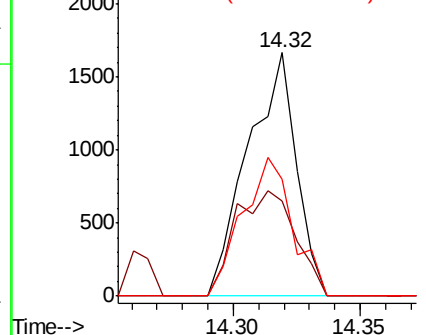
Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.8	43.4	65.2#
89	47.8	45.8	68.6

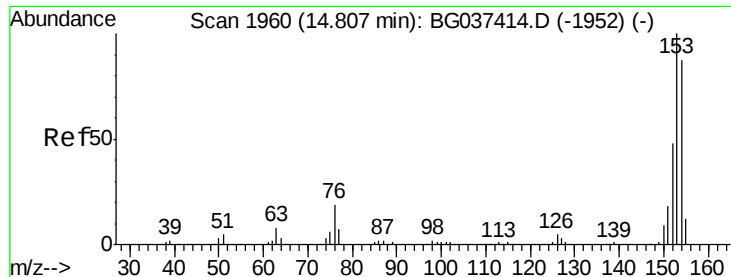
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 1.093 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

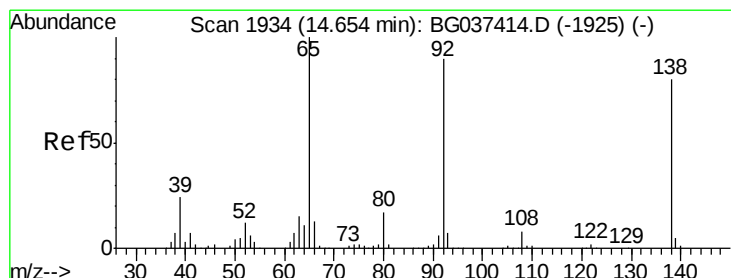
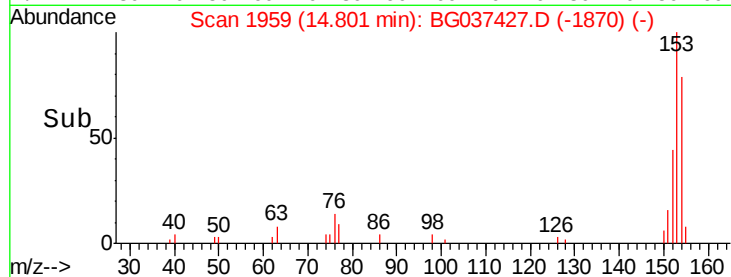
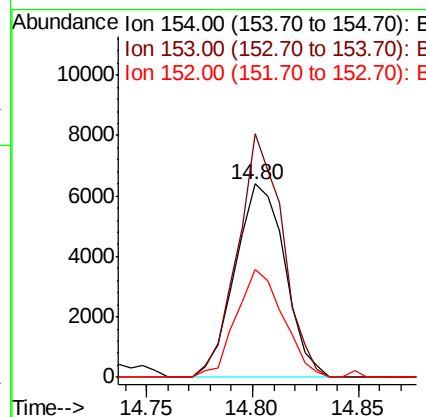
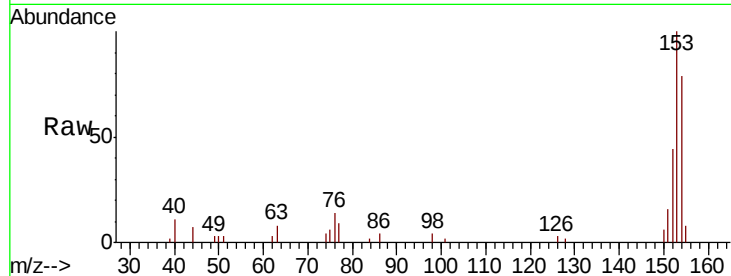
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.9	93.4	140.0
152	55.7	44.7	67.1

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#53

3-Nitroaniline

Concen: 0.675 ng

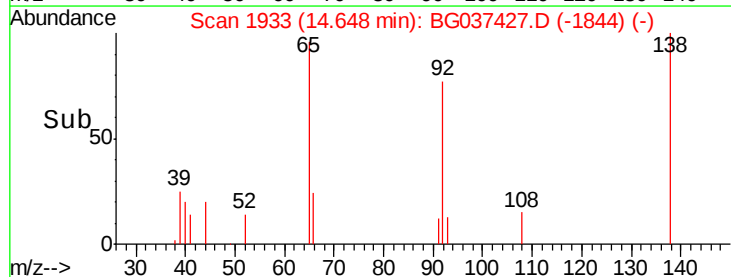
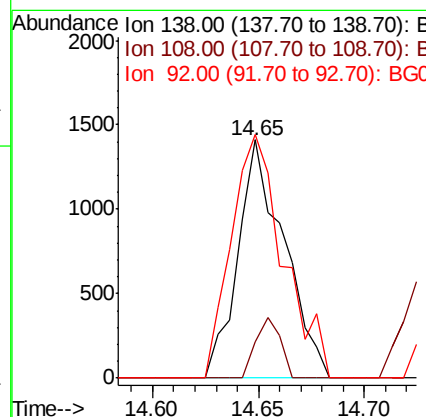
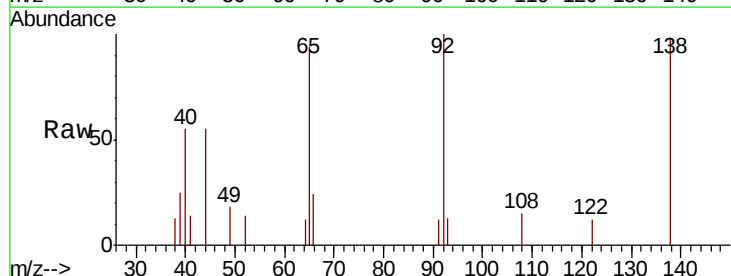
RT: 14.65 min Scan# 1933

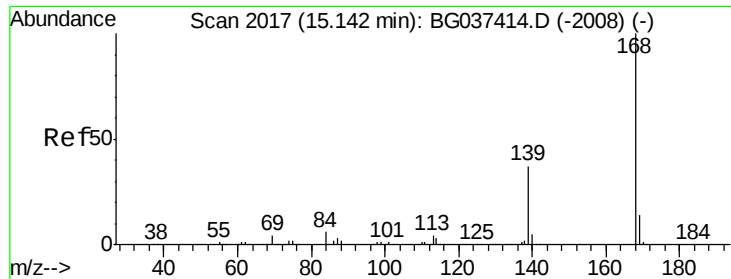
Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
138	100		
108	15.1	11.0	16.6
92	102.2	95.2	142.8





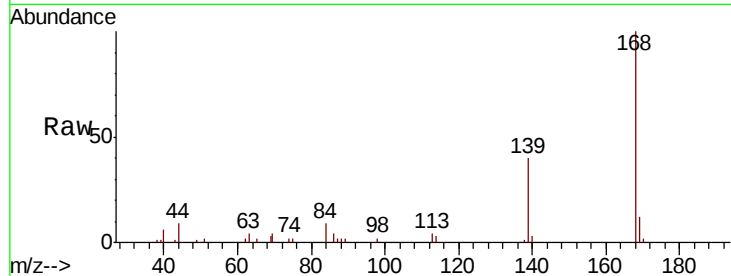
#55
Dibenzenofuran
Concen: 1.129 ng
RT: 15.14 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.9	29.4	44.0
169	12.1	11.0	16.6

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

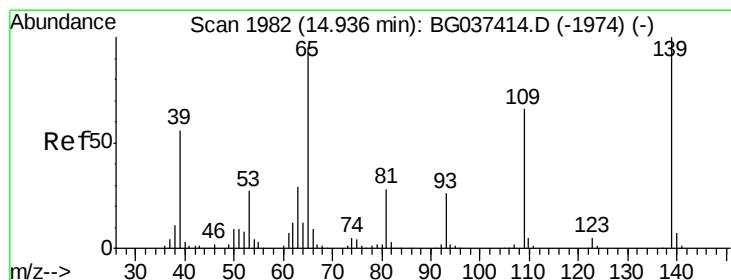
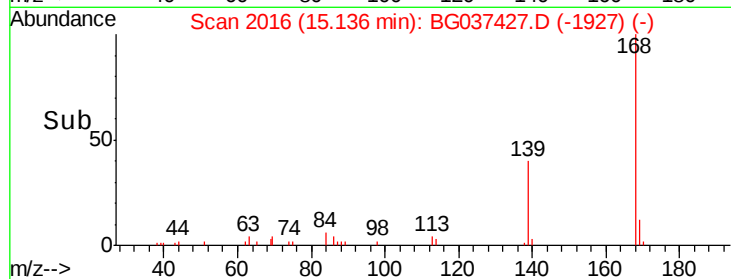
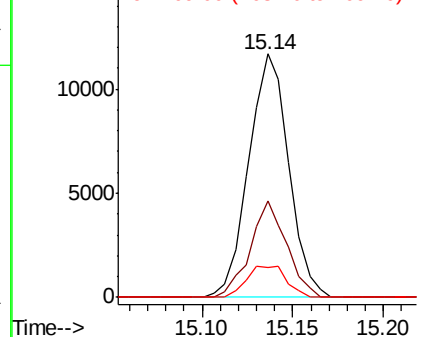


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 0.217 ng
RT: 14.94 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

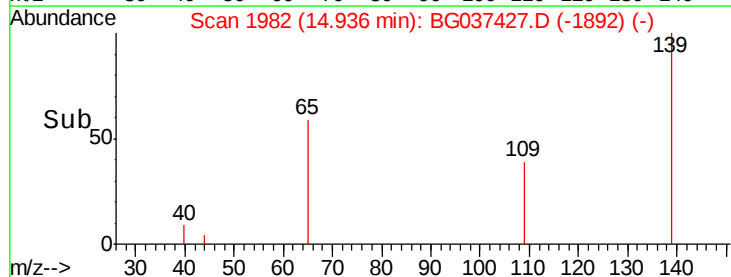
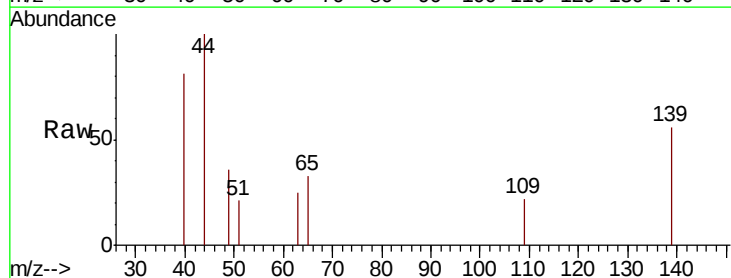
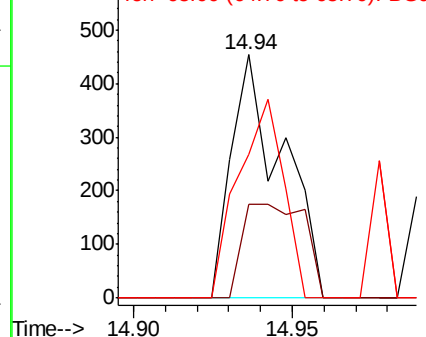
Tgt Ion	Ratio	Lower	Upper
139	100		
109	38.8	49.5	89.5#
65	58.8	76.8	116.8#

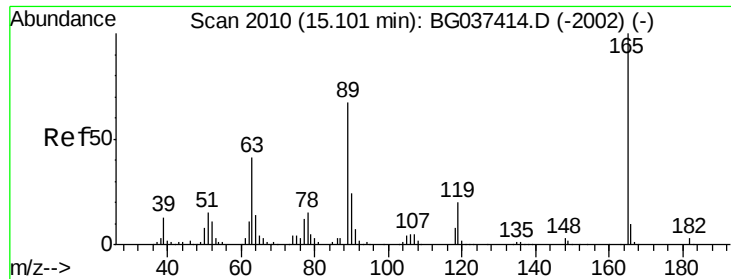
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





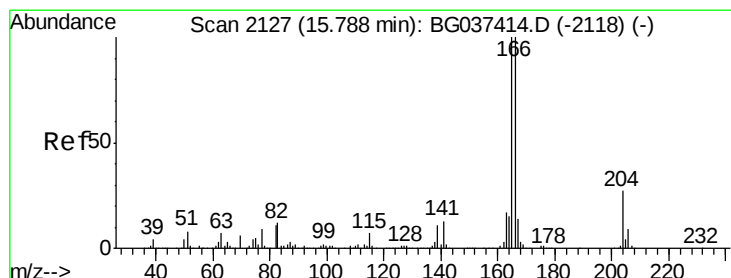
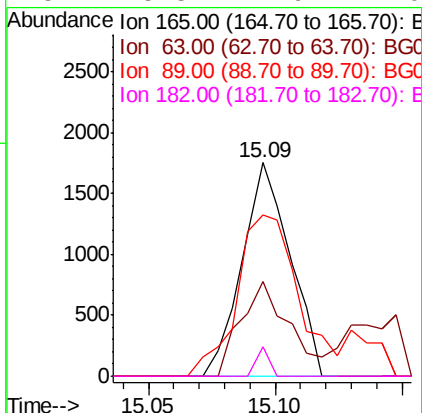
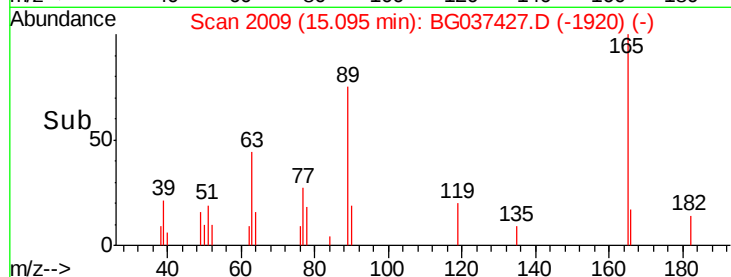
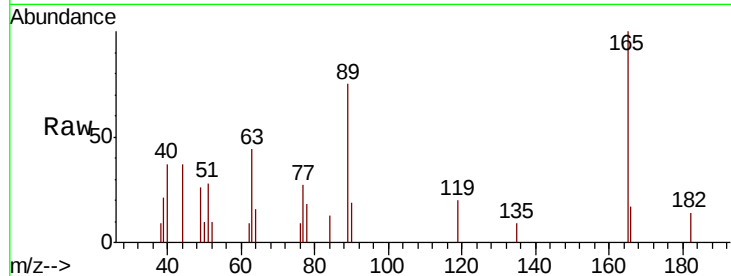
#57
2,4-Dinitrotoluene
Concen: 0.625 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.1	33.4	50.0
89	75.2	57.2	85.8
182	13.5	2.6	4.0

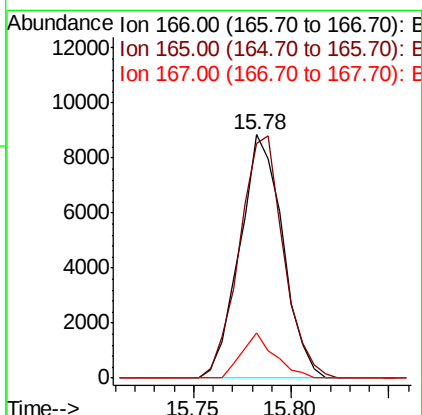
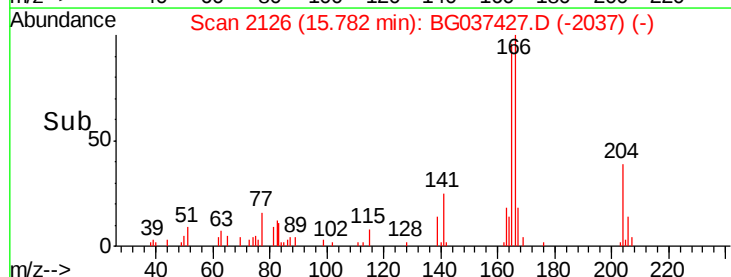
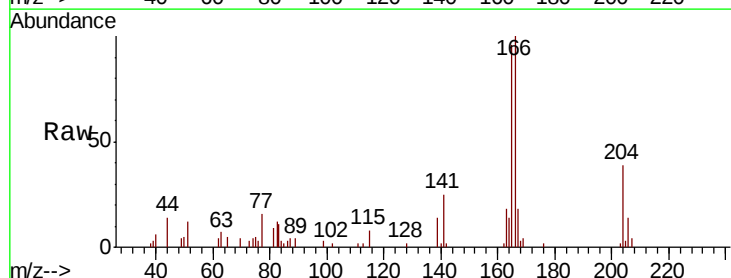
Manual Integrations
APPROVED

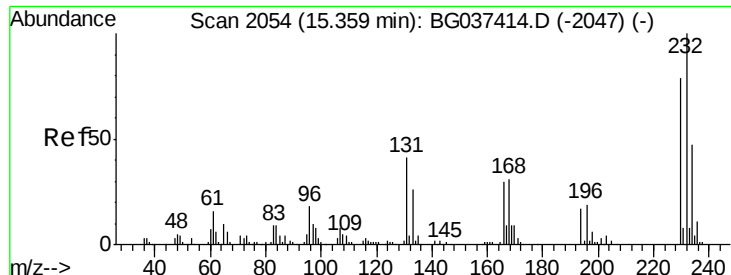
Sohil
10/19/2018 3:57:49 PM



#58
Fluorene
Concen: 1.132 ng
RT: 15.78 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.5	79.0	118.6
167	18.3	11.3	16.9





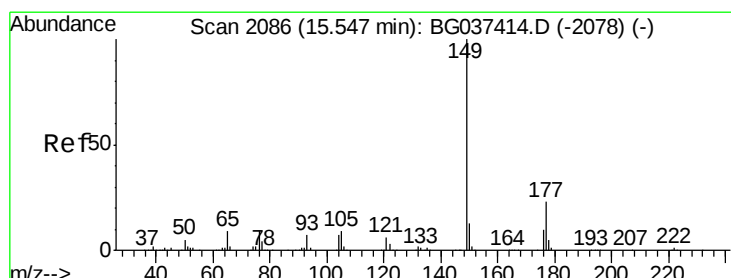
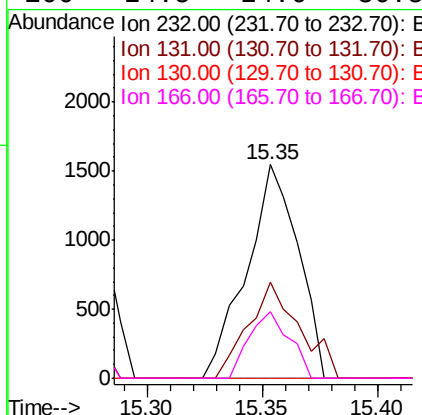
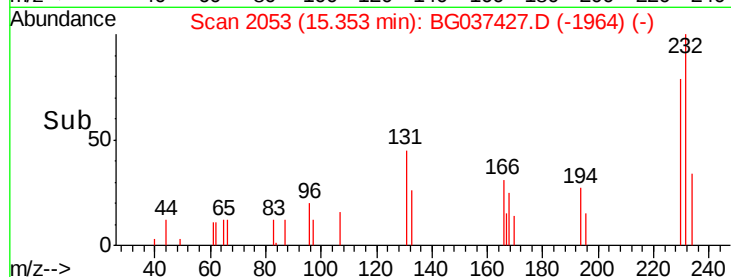
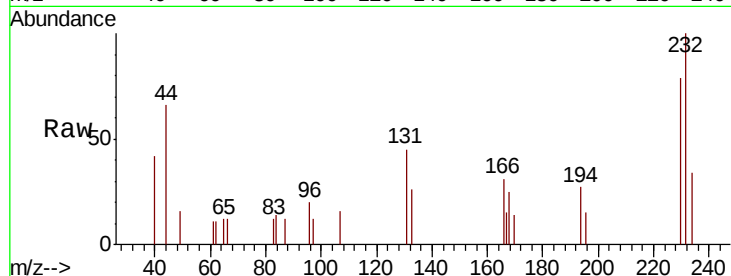
#59
2,3,4,6-Tetrachlorophenol
Concen: 0.720 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.8	33.7	50.5
130	0.0	2.1	3.1
166	24.5	24.6	36.8

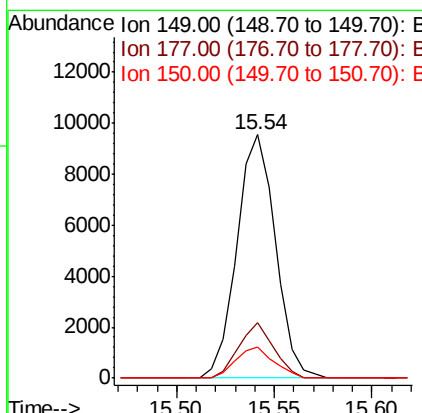
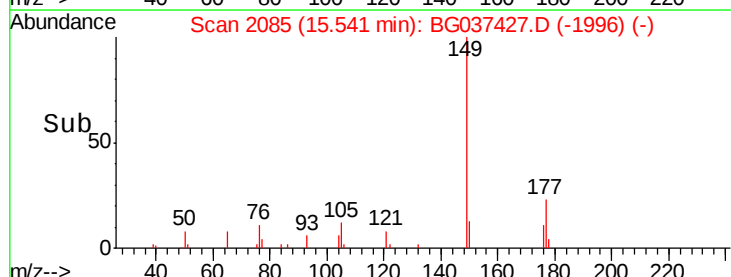
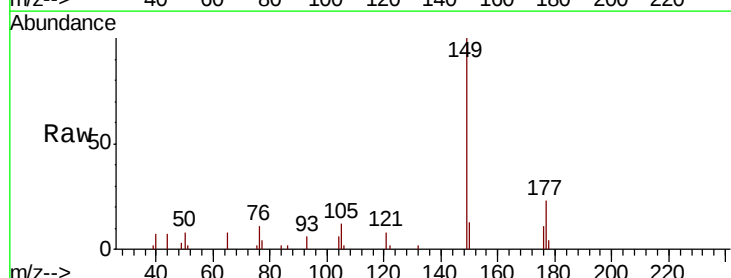
Manual Integrations
APPROVED

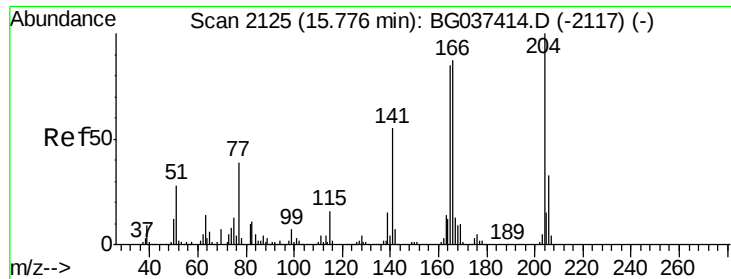
Sohil
10/19/2018 3:57:49 PM



#60
Diethylphthalate
Concen: 0.995 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.3	27.5
150	12.5	10.0	15.0





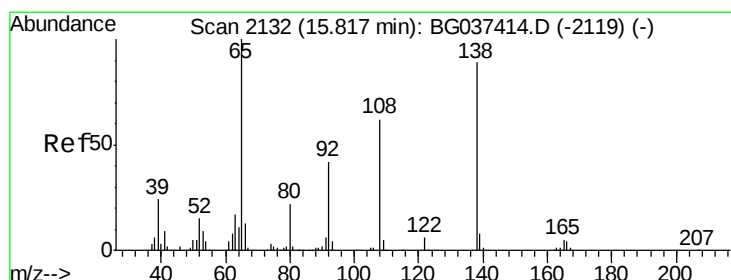
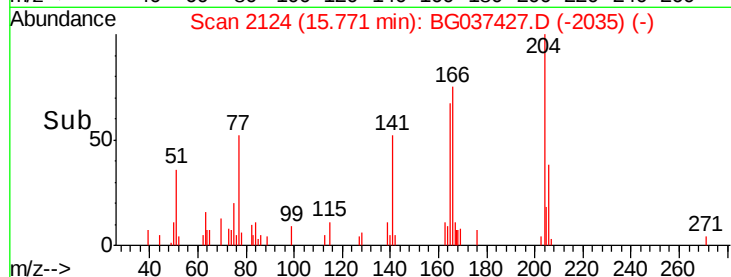
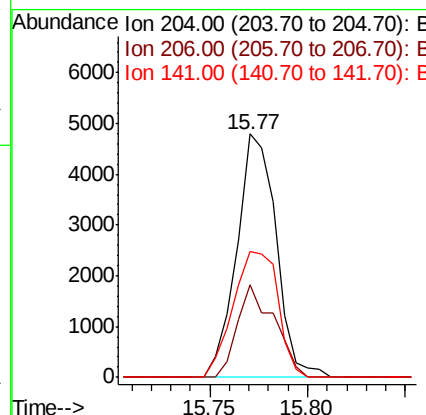
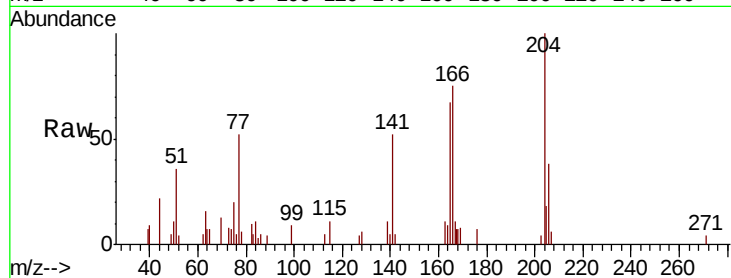
#61
4-Chlorophenyl-phenylether
Concen: 0.964 ng
RT: 15.77 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	38.3	26.6	39.8
141	51.5	45.4	68.2

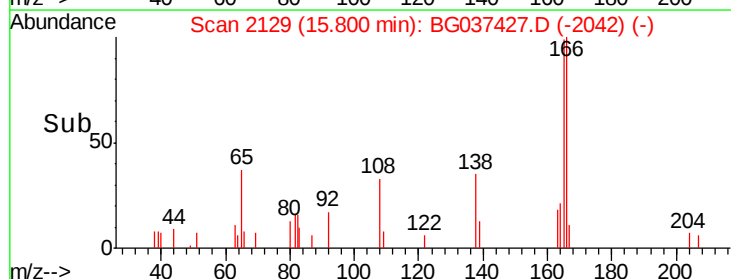
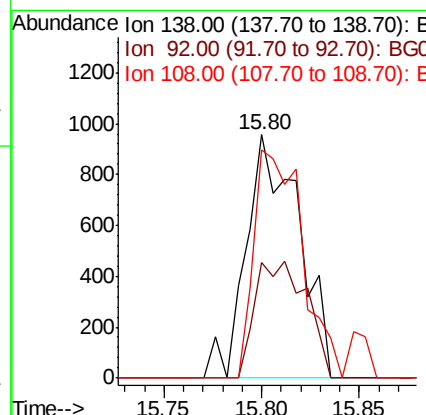
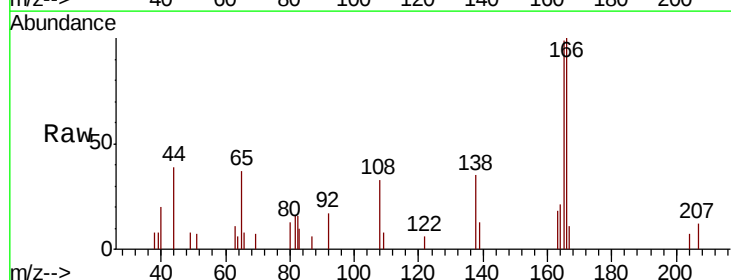
Manual Integrations
APPROVED

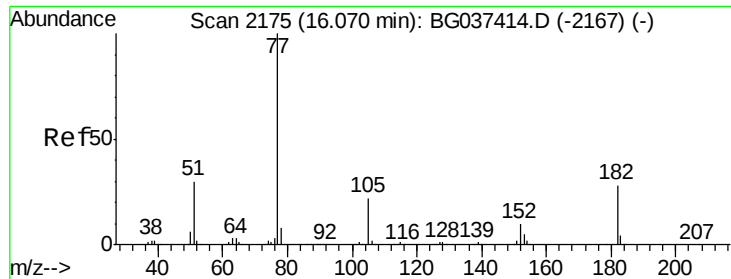
Sohil
10/19/2018 3:57:49 PM



#62
4-Nitroaniline
Concen: 0.573 ng
RT: 15.80 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.4	36.4	76.4
108	93.6	60.1	100.1





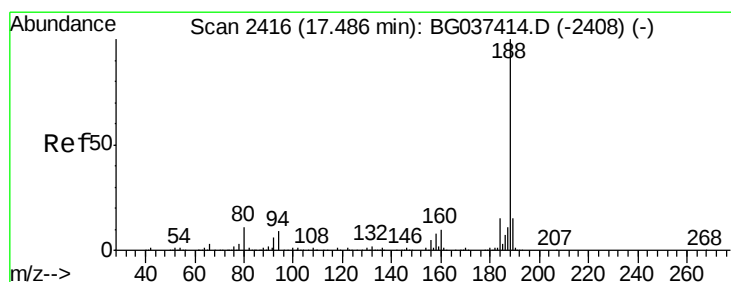
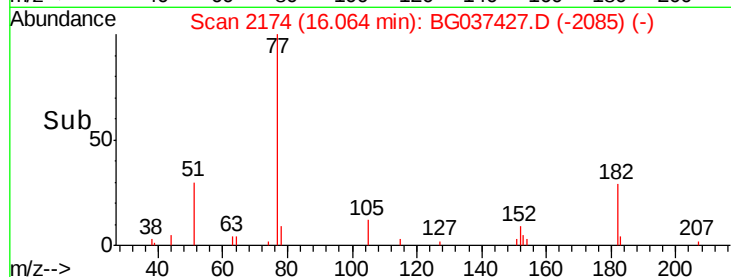
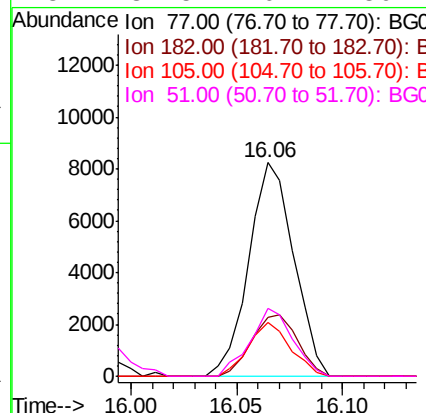
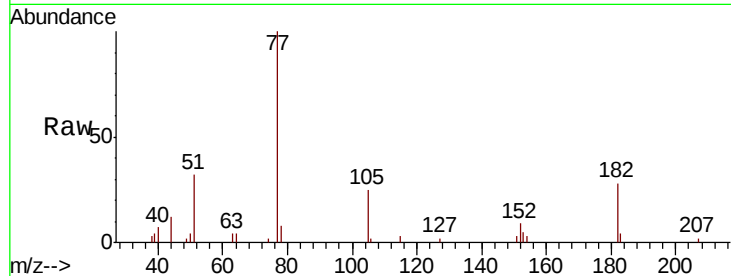
#63
Azobenzene
Concen: 0.972 ng
RT: 16.06 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.6	8.0	48.0	
105	25.4	1.3	41.3	
51	31.5	10.7	50.7	

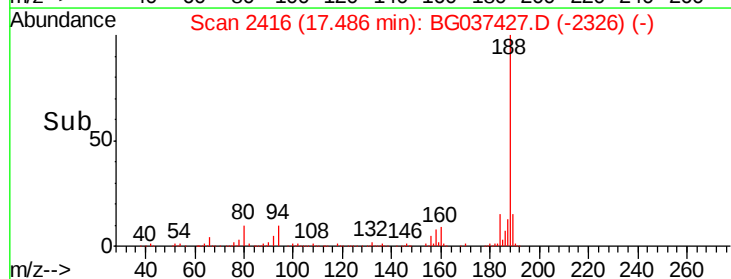
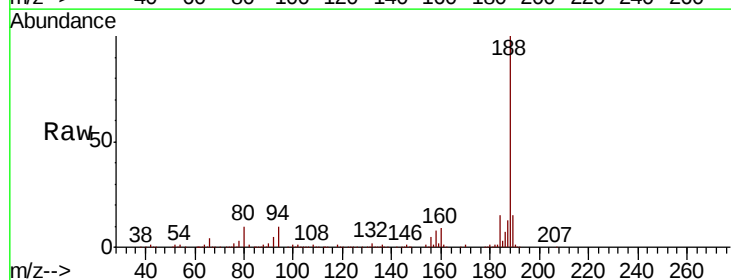
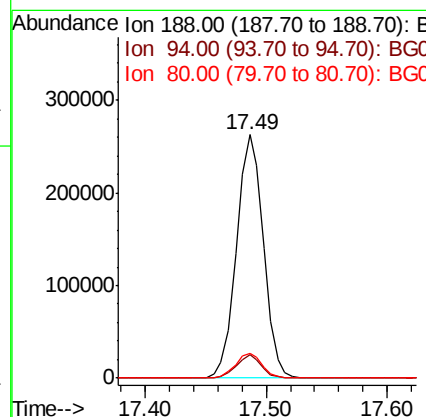
Manual Integrations
APPROVED

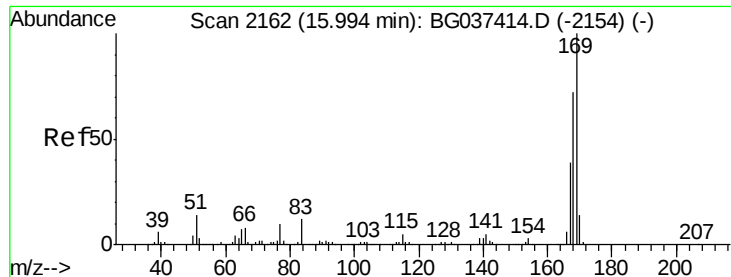
Sohil
10/19/2018 3:57:49 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.9	7.2	10.8	
80	10.2	7.7	11.5	





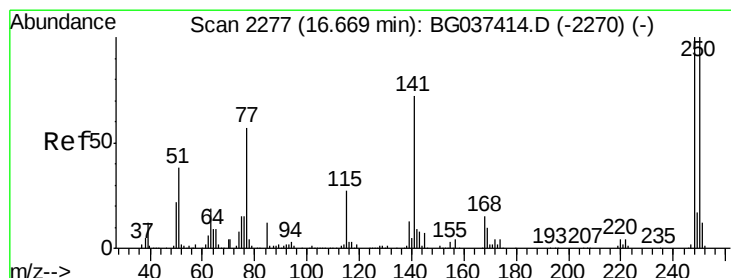
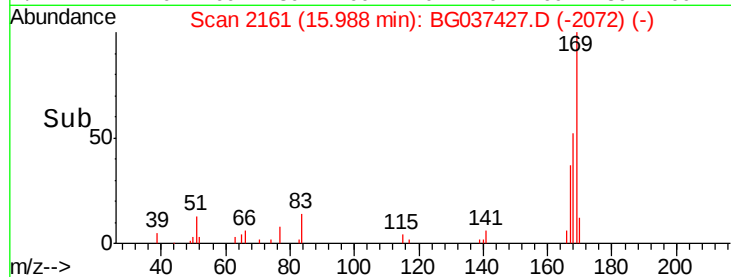
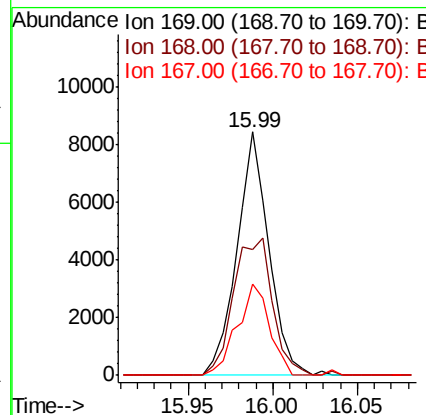
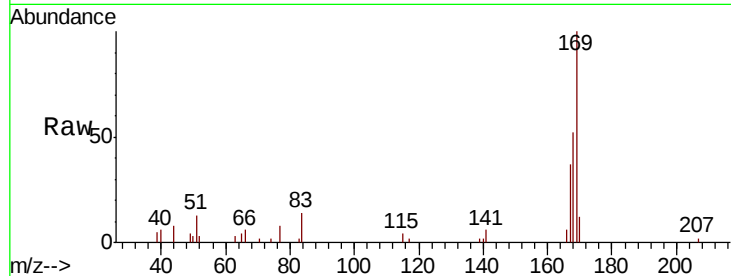
#66
 n-Nitrosodiphenylamine
 Concen: 0.906 ng
 RT: 15.99 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	51.9	55.7	83.5#
167	37.4	31.3	46.9

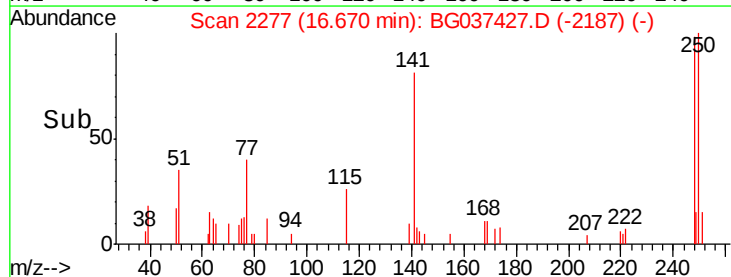
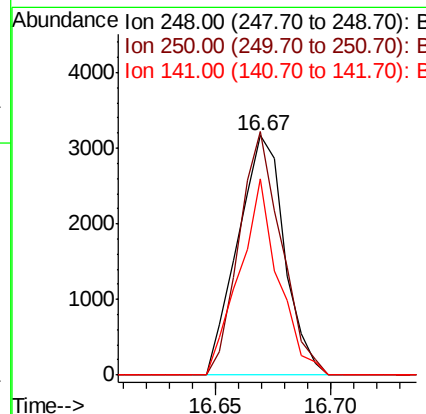
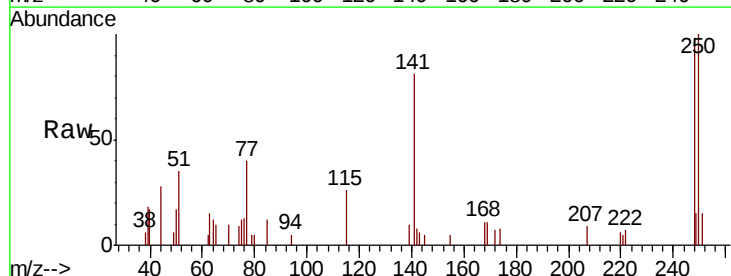
Manual Integrations
 APPROVED

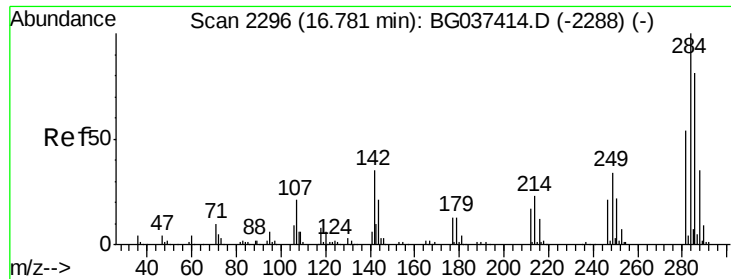
Sohil
 10/19/2018 3:57:49 PM



#67
 4-Bromophenyl-phenylether
 Concen: 0.998 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.6	77.0	115.6
141	81.9	55.5	83.3





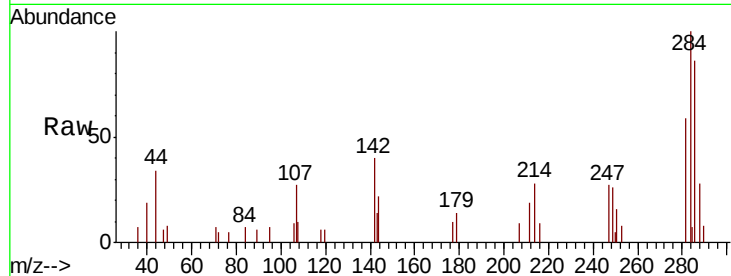
#68
Hexachlorobenzene
Concen: 0.970 ng
RT: 16.78 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
284	100		
142	40.5	28.1	42.1
249	30.5	29.8	44.8

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM

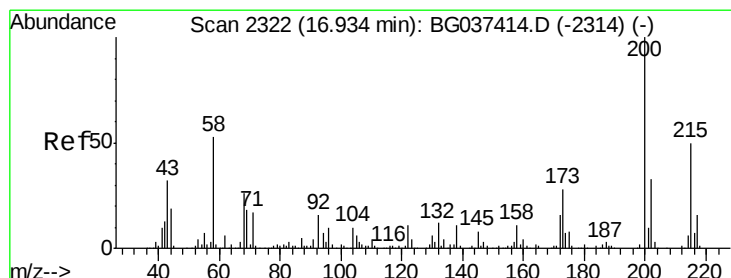
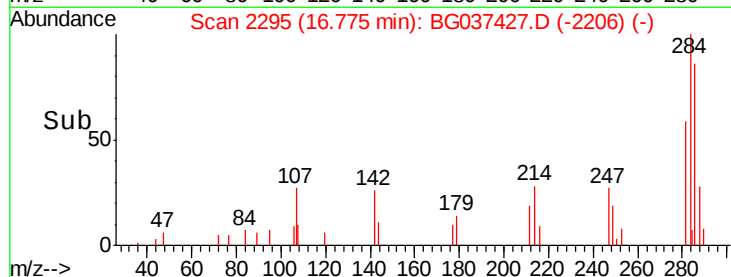
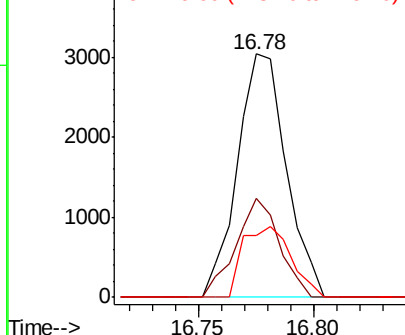


Abundance

Ion 283.80 (283.50 to 284.50): E

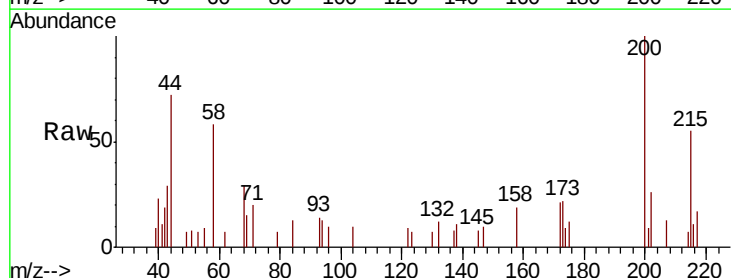
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69
Atrazine
Concen: 0.843 ng
RT: 16.92 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
200	100		
173	21.8	6.1	46.1
215	55.1	30.8	70.8

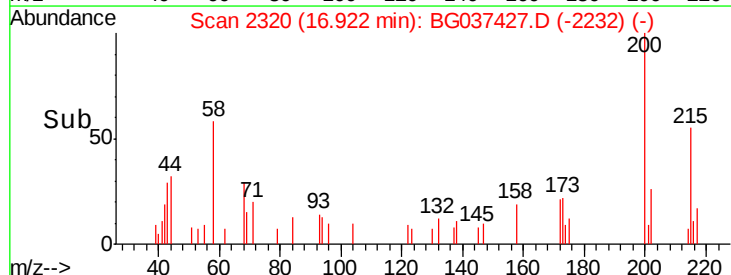
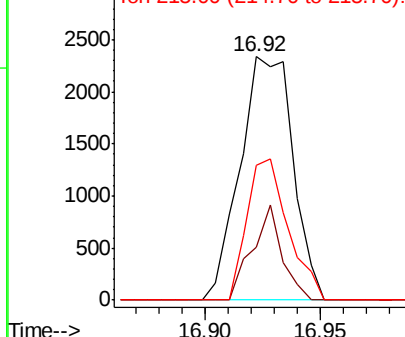


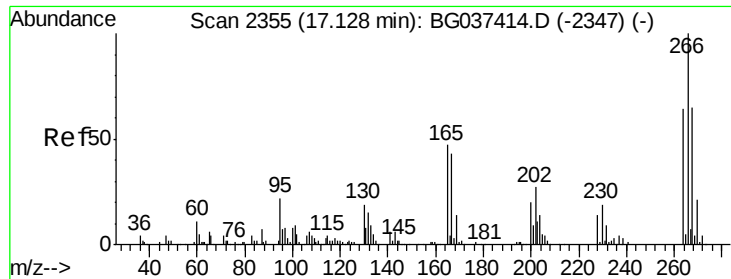
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





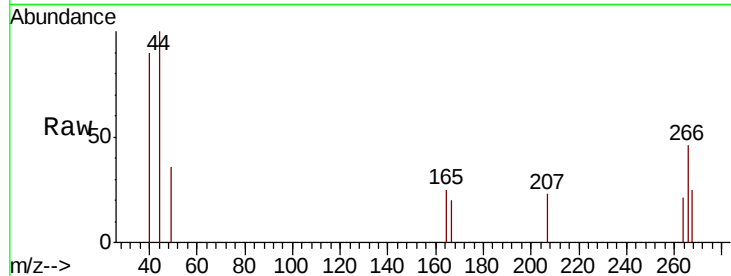
#70
 Pentachlorophenol
 Concen: 0.148 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

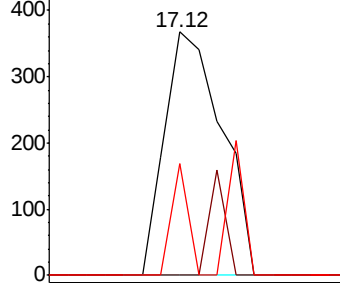
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	55.0	82.6#
264	45.9	58.9	88.3#

Manual Integrations
 APPROVED

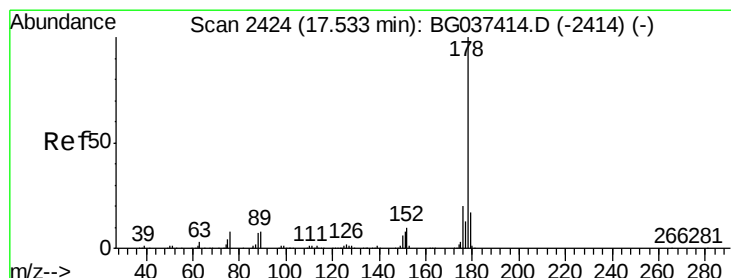
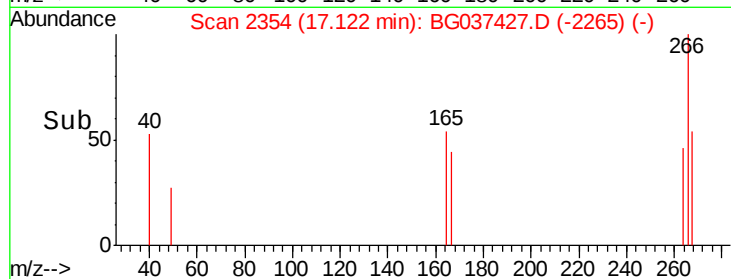
Sohil
 10/19/2018 3:57:49 PM



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

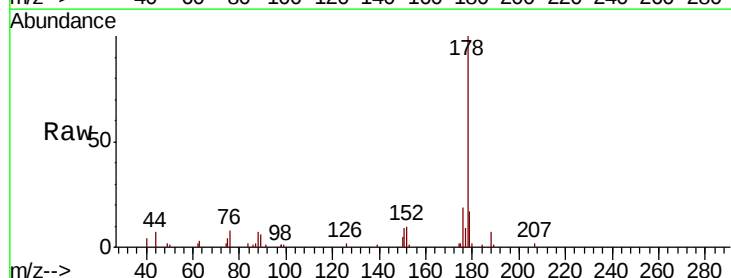


Time-->

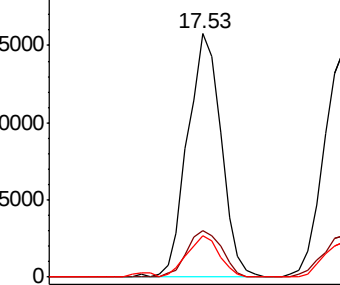


#71
 Phenanthrene
 Concen: 1.177 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

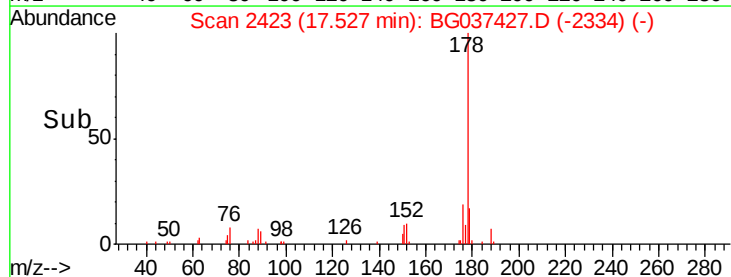
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	17.0	13.0	19.4

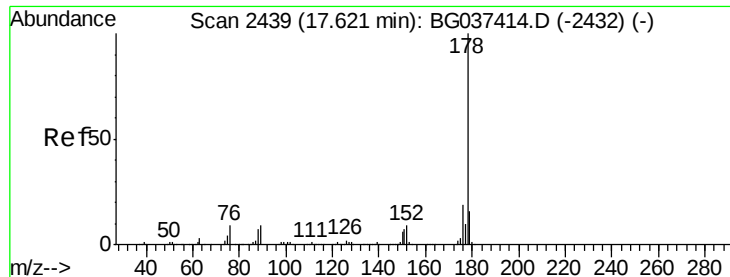


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Anthracene

Concen: 1.096 ng

RT: 17.62 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

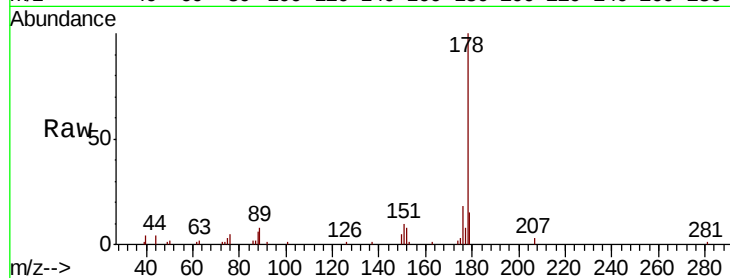
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

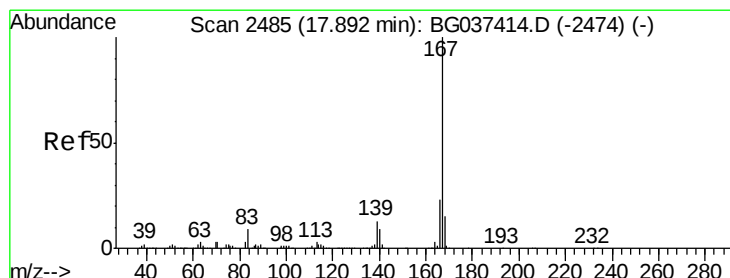
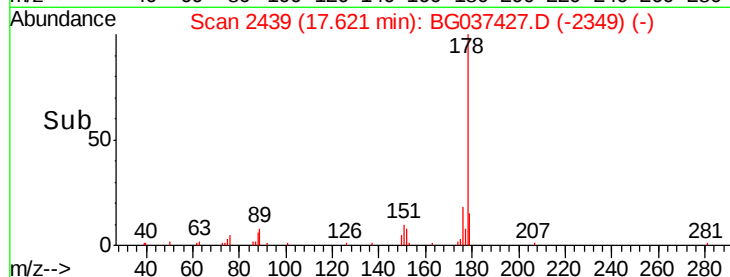
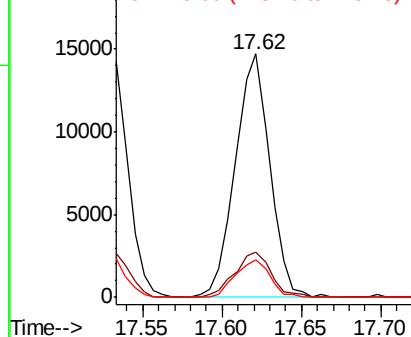
Tot Ion:	178	Resp:	22233
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.4
179	15.4	12.8	19.2

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.889 ng

RT: 17.89 min Scan# 2485

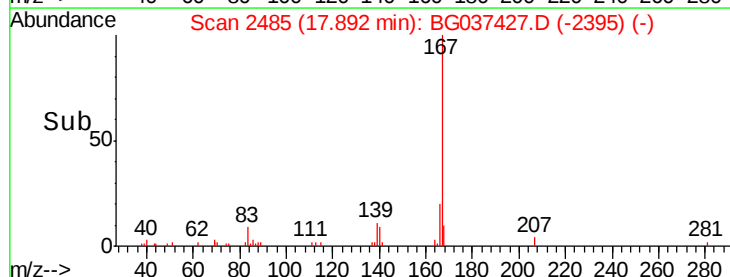
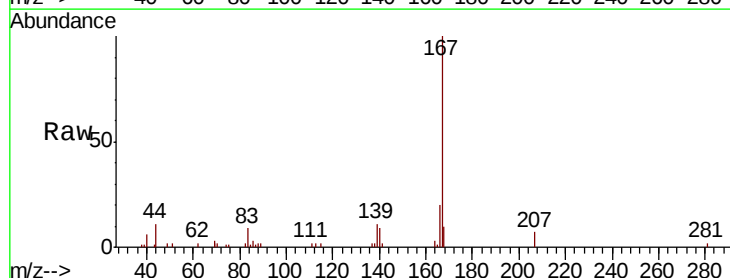
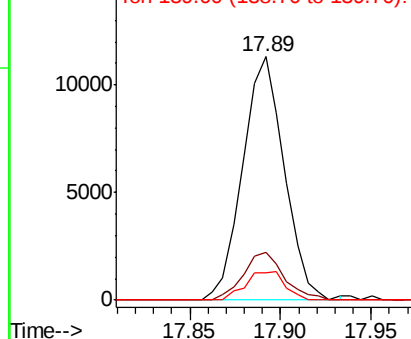
Delta R.T. 0.00 min

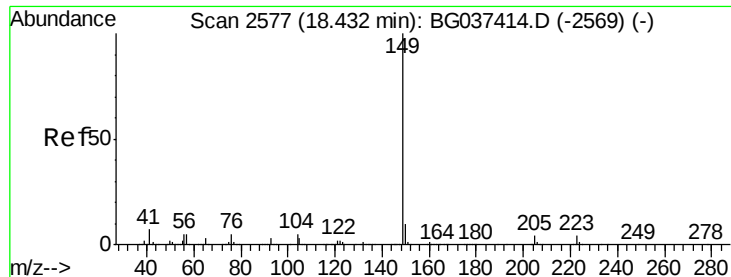
Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	167	Resp:	18051
Ion Ratio	Lower	Upper	
167	100		
166	19.8	18.3	27.5
139	11.0	10.5	15.7

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: 0.876 ng

RT: 18.43 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

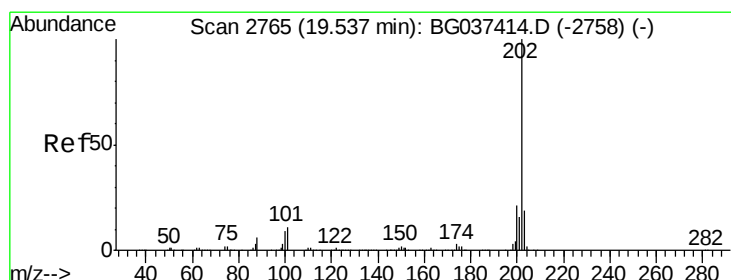
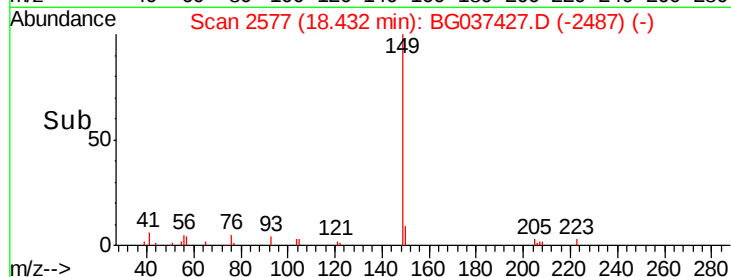
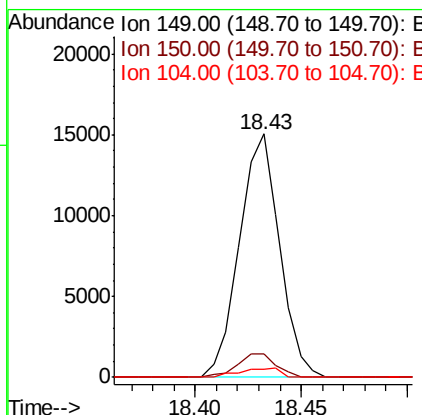
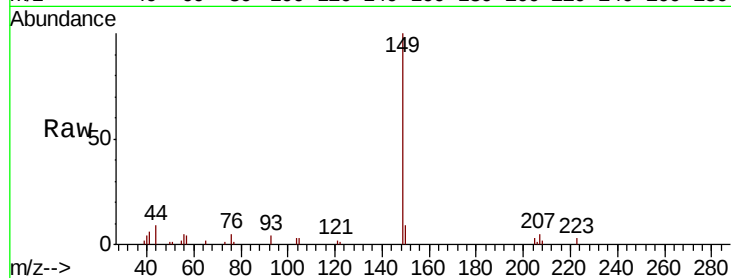
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	149	Resp:	19766
Ion Ratio	Lower	Upper	
149	100		
150	9.4	8.2	12.2
104	3.5	4.0	6.0

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



#75

Fluoranthene

Concen: 1.079 ng

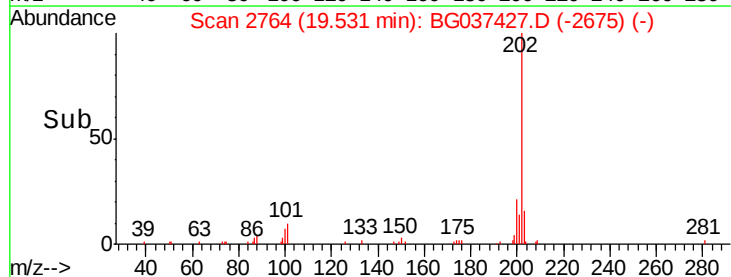
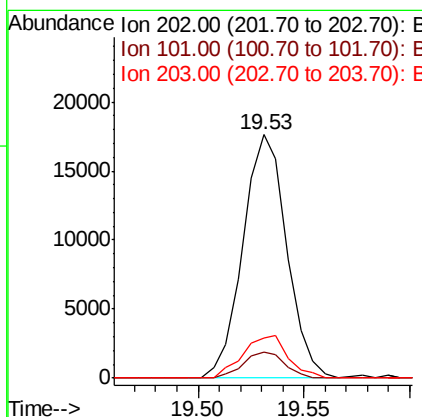
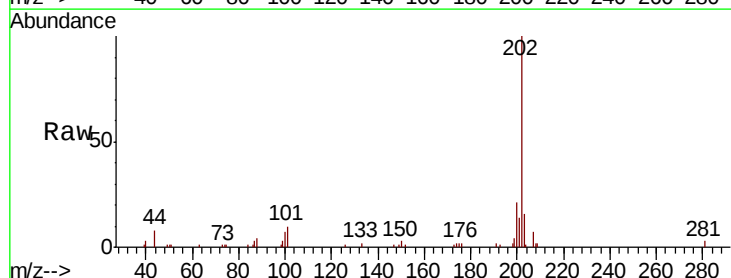
RT: 19.53 min Scan# 2764

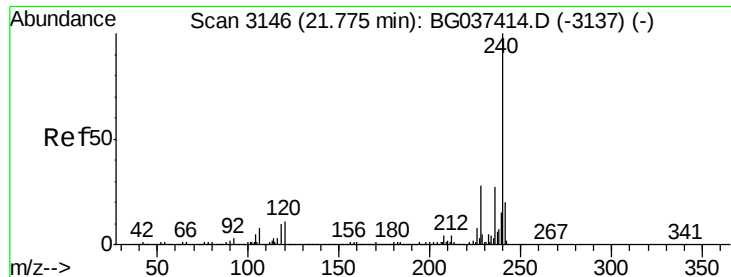
Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:	202	Resp:	25306
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.7
203	16.5	0.0	38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

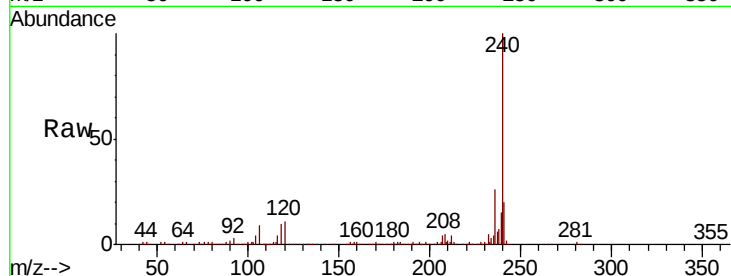
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

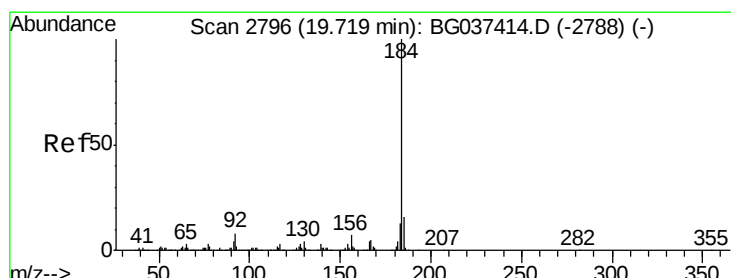
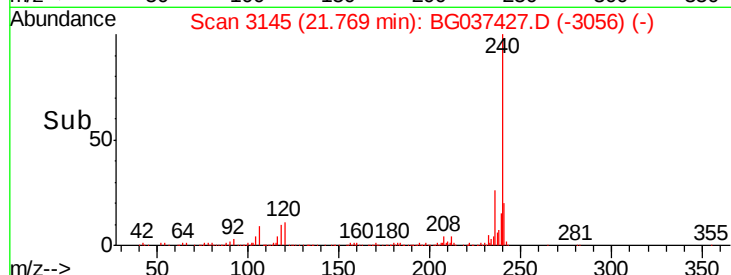
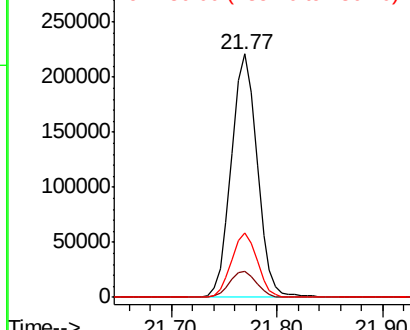
Tot Ion:	240	Resp:	374858
Ion Ratio	Lower	Upper	
240	100		
120	10.7	8.1	12.1
236	26.3	21.4	32.0

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



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: 0.137 ng

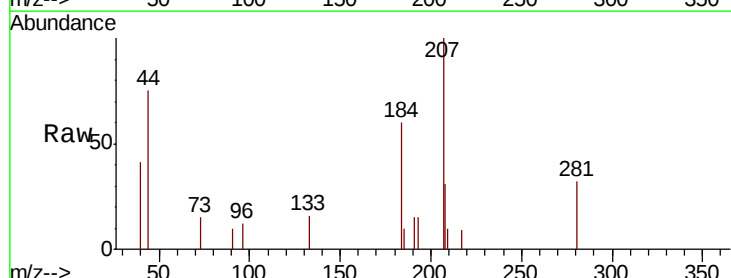
RT: 19.72 min Scan# 2796

Delta R.T. 0.00 min

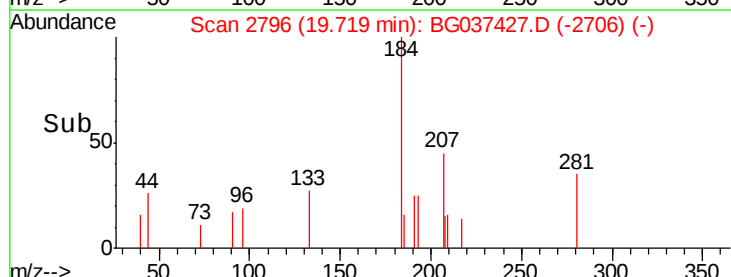
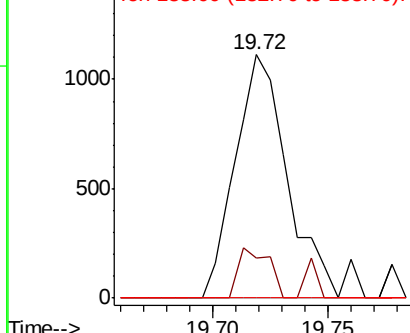
Lab File: BG037427.D

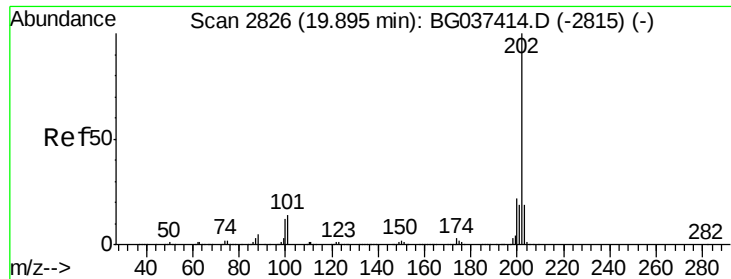
Acq: 18 Oct 2018 19:55

Tgt Ion:	184	Resp:	1747
Ion Ratio	Lower	Upper	
184	100		
185	16.4	12.6	18.8
183	0.0	10.2	15.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





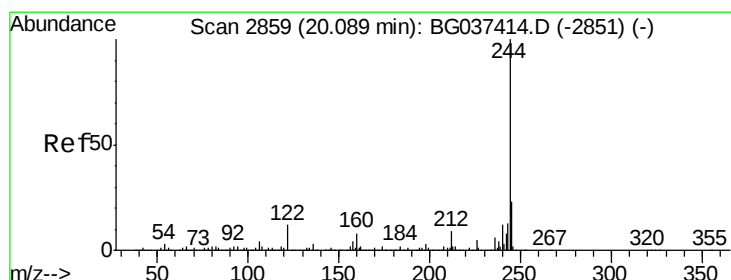
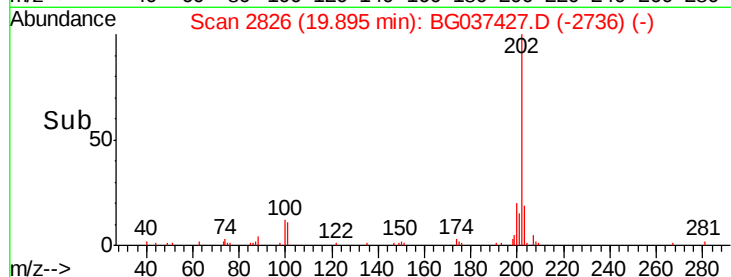
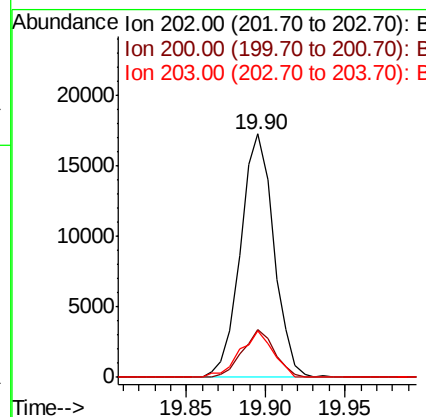
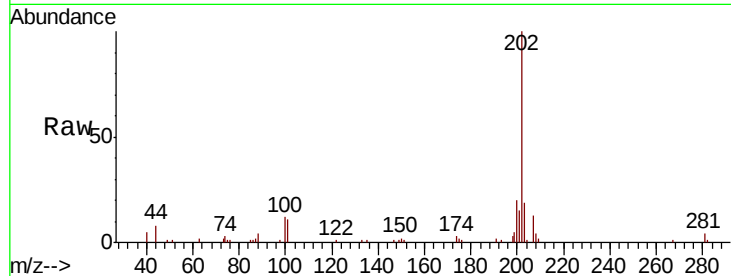
#78
Pvrene
Concen: 1.023 ng
RT: 19.90 min Scan# 2826
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		25074		
200	19.8	17.8	26.6		
203	19.0	15.2	22.8		

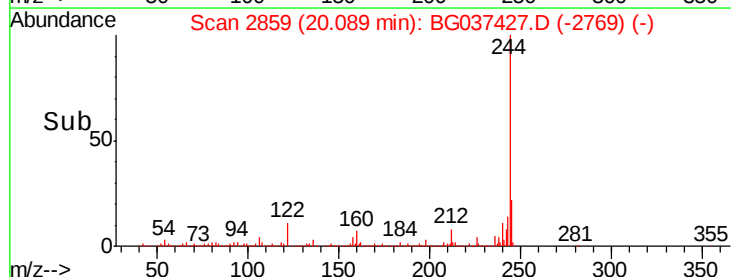
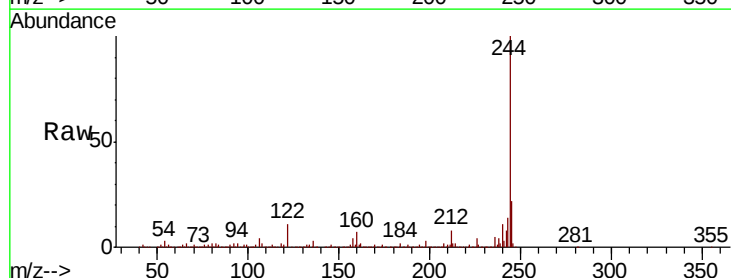
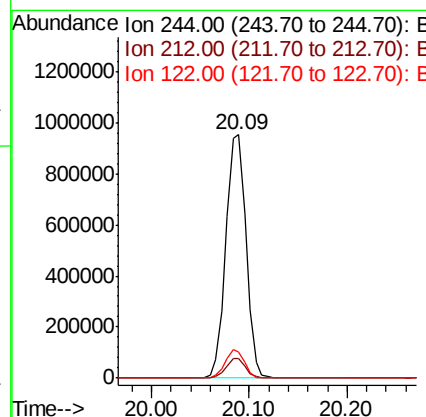
Manual Integrations
APPROVED

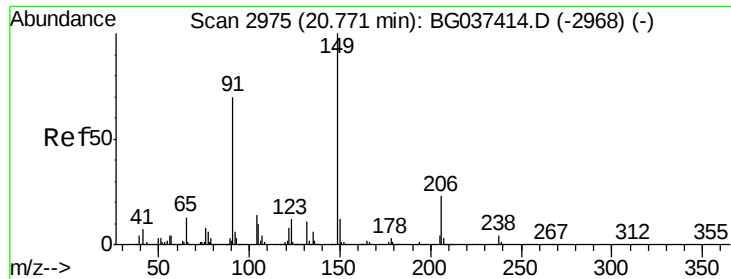
Sohil
10/19/2018 3:57:49 PM



#79
Terphenyl-d14
Concen: 78.248 ng
RT: 20.09 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		1372732		
212	7.9	6.5	9.7		
122	10.9	9.0	13.4		





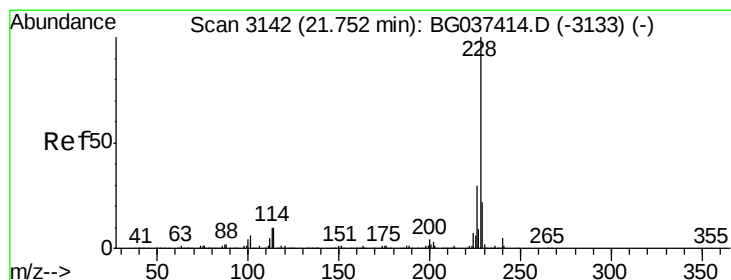
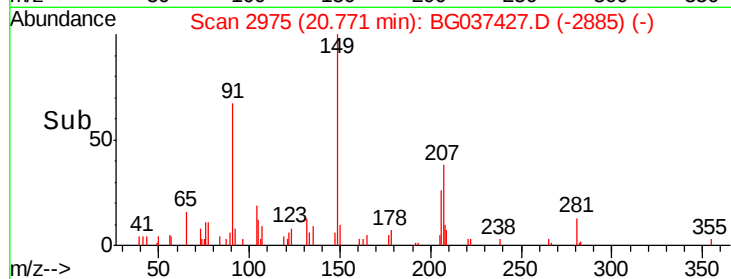
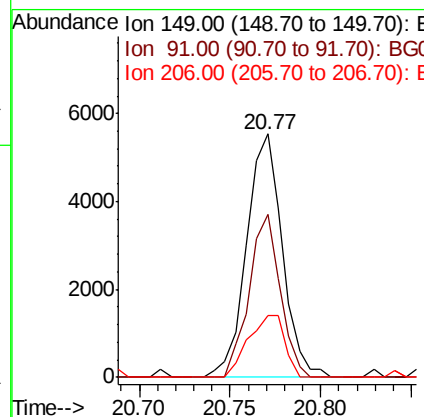
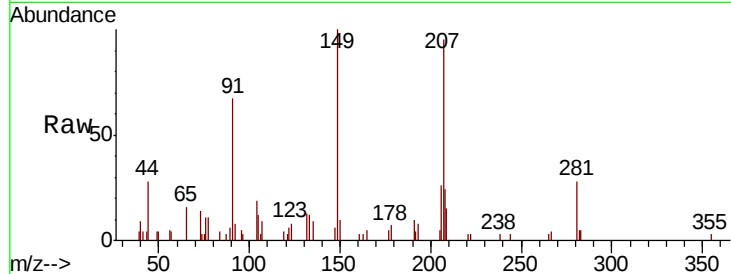
#80
Butylbenzylphthalate
Concen: 0.757 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.9	57.0	85.4
206	25.6	17.8	26.6

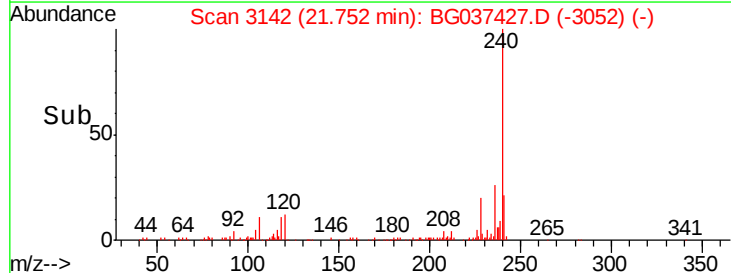
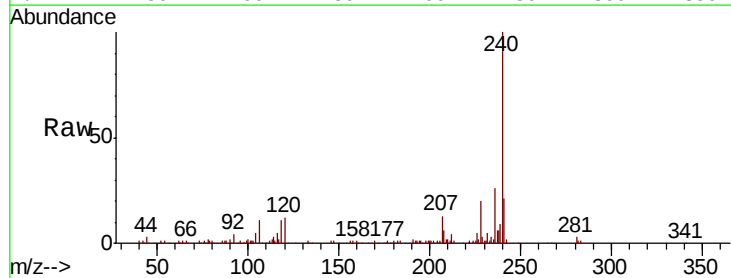
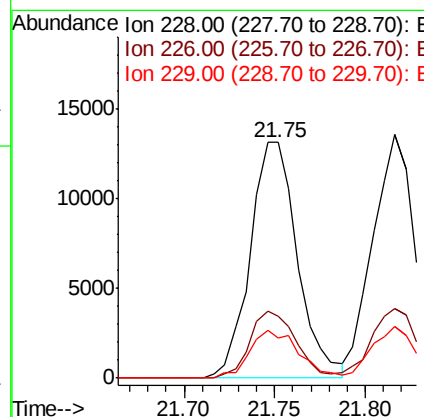
Manual Integrations
APPROVED

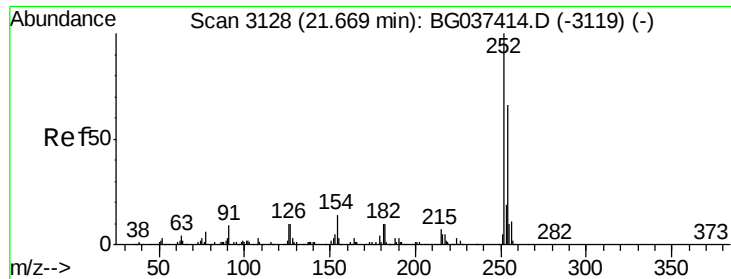
Sohil
10/19/2018 3:57:49 PM



#81
Benzo(a)anthracene
Concen: 1.082 ng
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.6	33.8
229	17.2	16.3	24.5





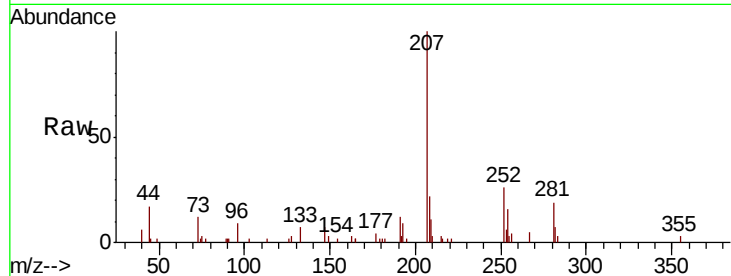
#82
 3,3'-Dichlorobenzidine
 Concen: 0.504 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.1	52.0	78.0
126	8.7	8.2	12.4

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

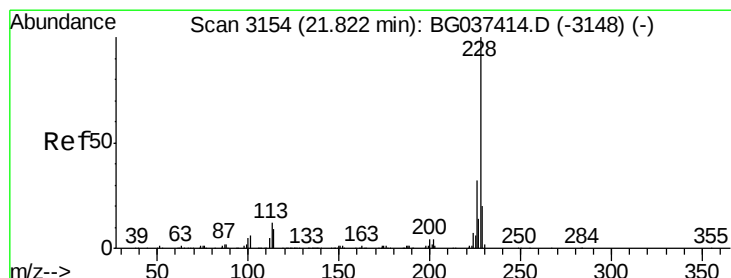
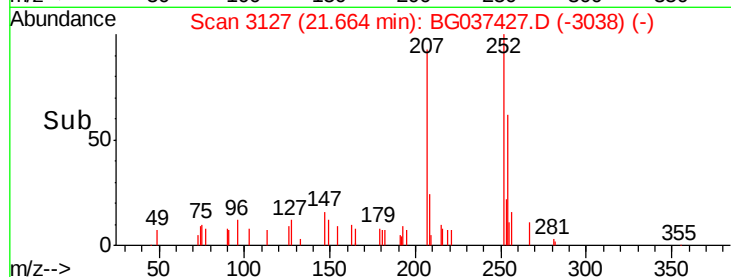
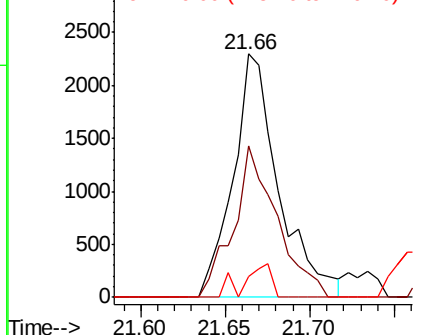


Abundance

Ion 252.00 (251.70 to 252.70): E

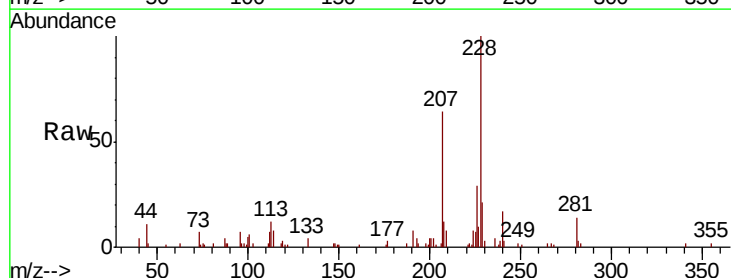
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83
 Chrysene
 Concen: 1.054 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.7	38.5
229	21.0	16.5	24.7

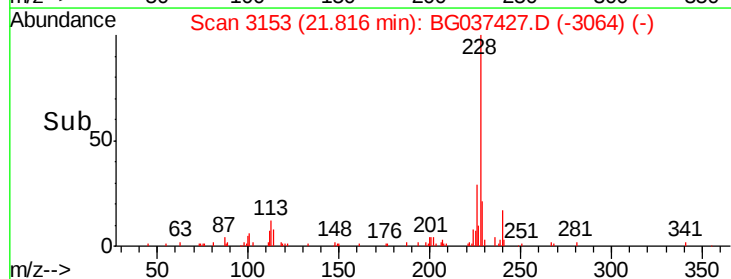
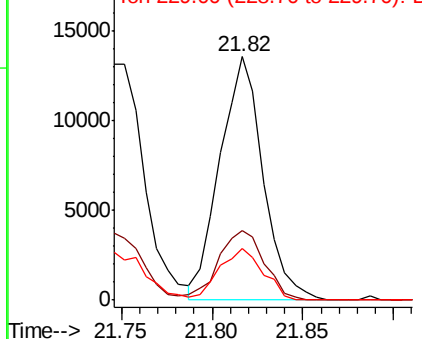


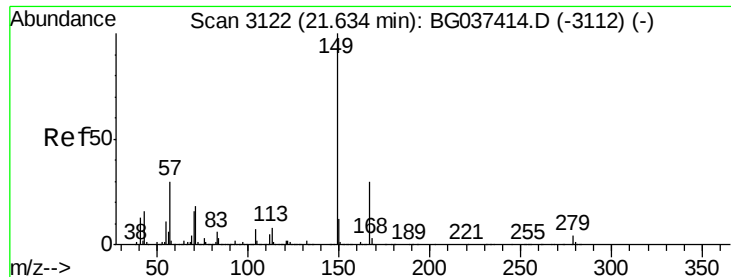
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.748 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

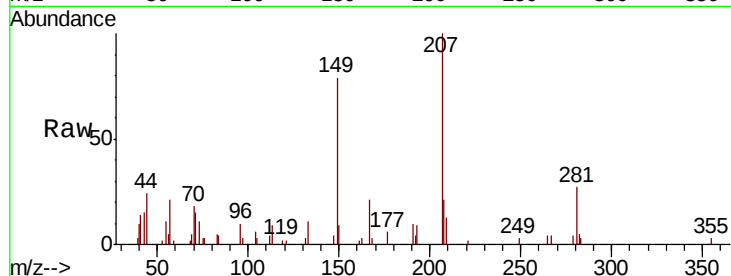
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

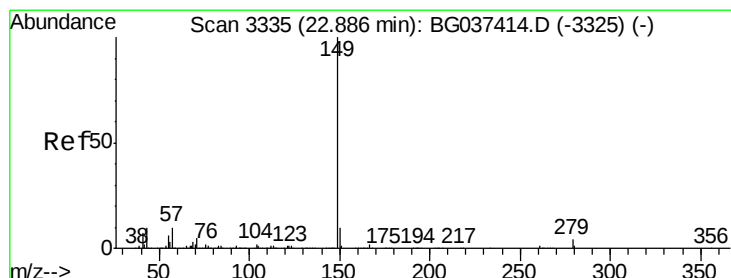
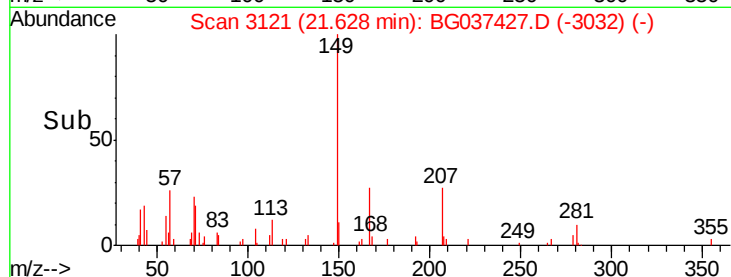
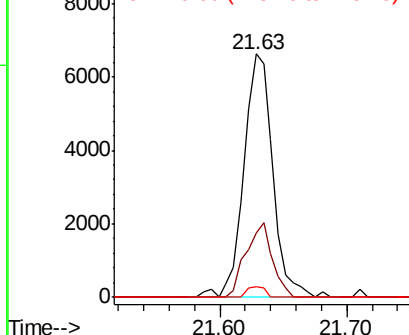
Tot Ion:	149	Resp:	10515
Ion Ratio	Lower	Upper	
149	100		
167	26.6	23.0	34.4
279	4.6	3.6	5.4

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:49 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.669 ng

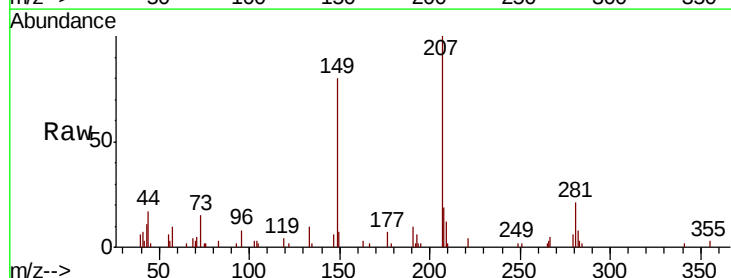
RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

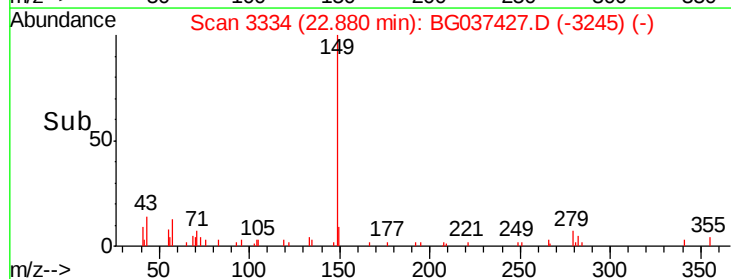
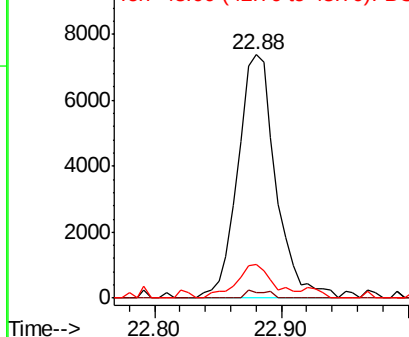
Lab File: BG037427.D

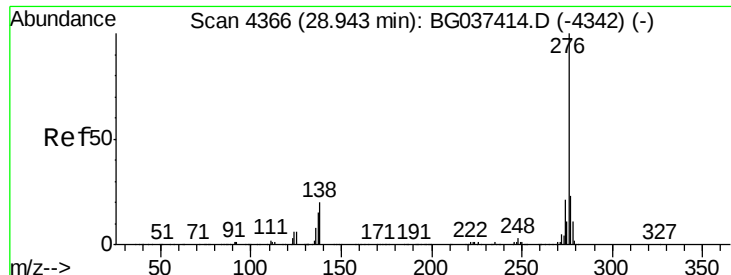
Acq: 18 Oct 2018 19:55

Tgt Ion:	149	Resp:	15338
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	13.1	8.7	13.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGO





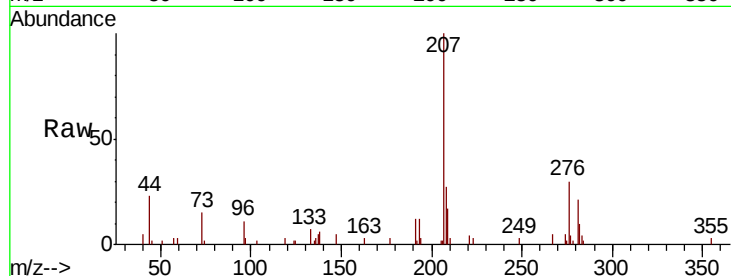
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.758 ng m
 RT: 28.91 min Scan# 4361
 Delta R.T. -0.03 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	12.0	18.0#
277	6.0	20.6	30.8#

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

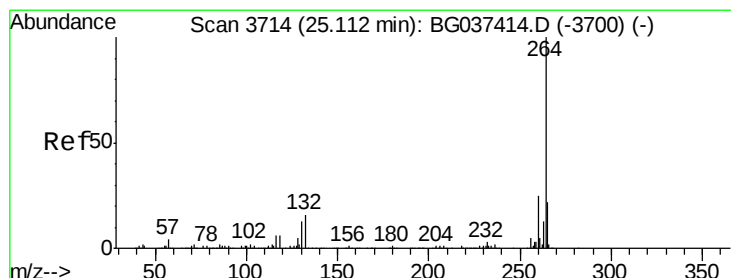
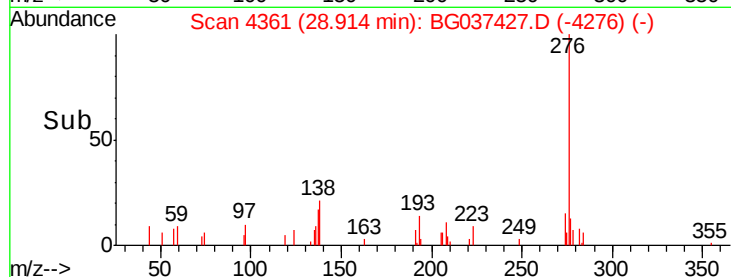
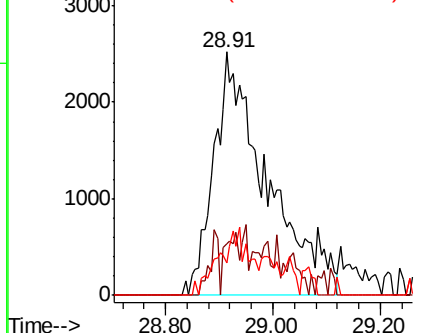


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

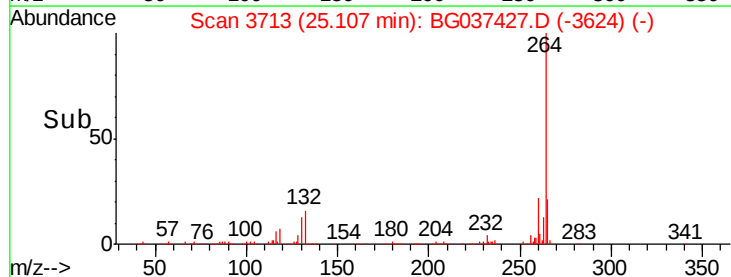
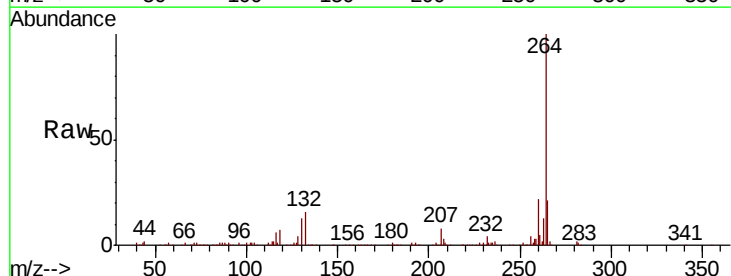
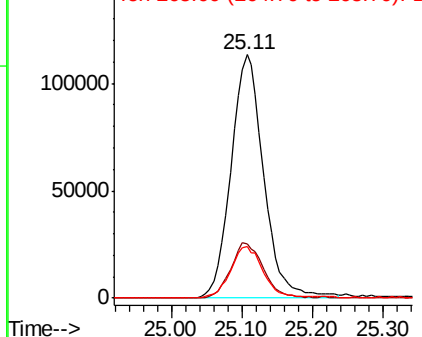
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.2	27.4
265	21.3	17.9	26.9

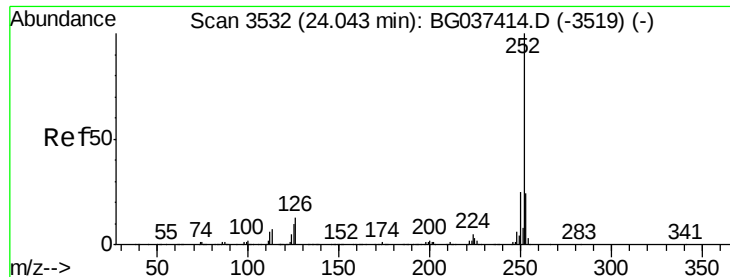
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





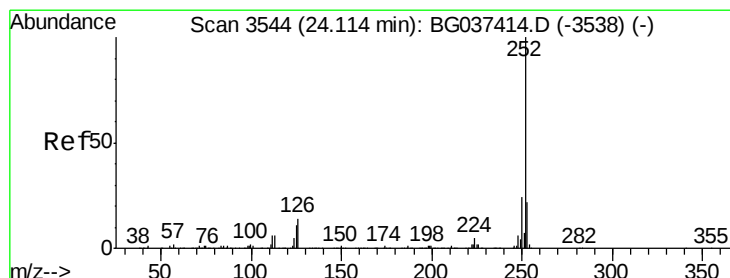
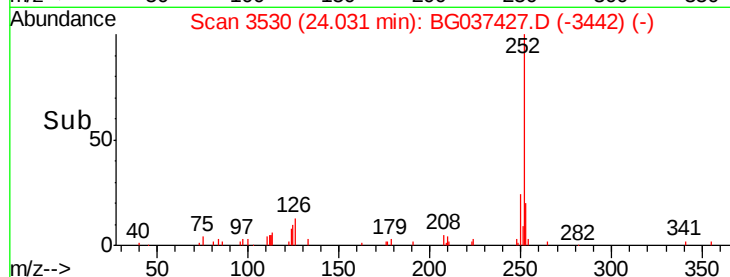
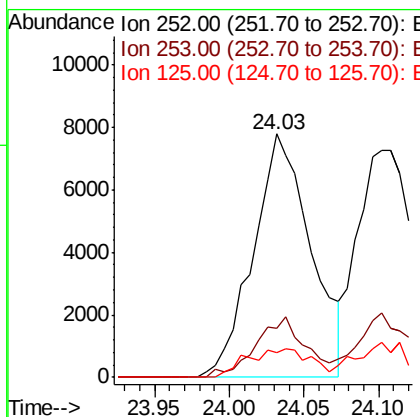
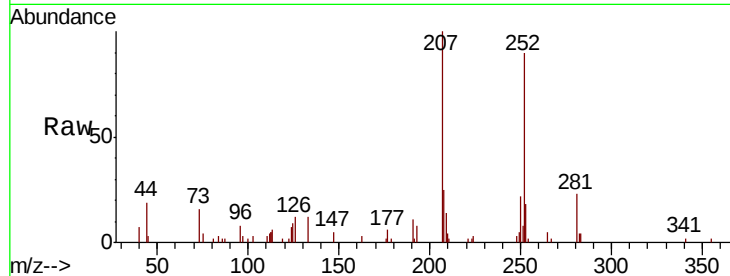
#88
Benzo(b)fluoranthene
Concen: 1.047 ng
RT: 24.03 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.2	27.2
125	10.1	7.8	11.6

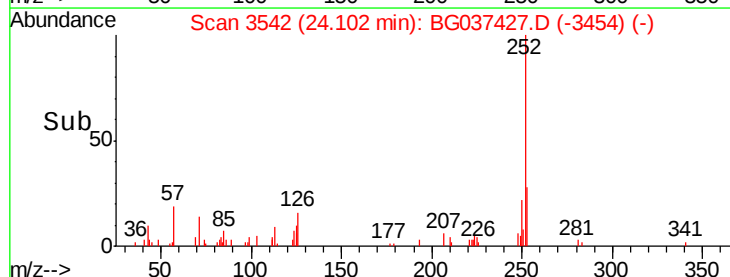
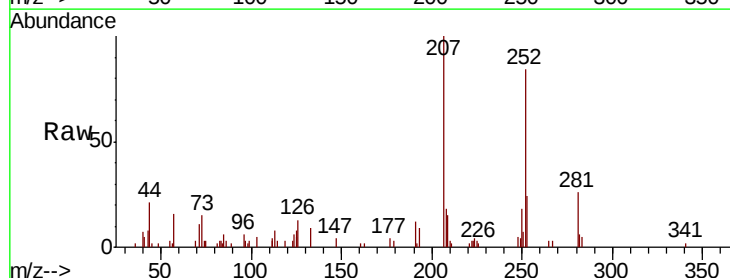
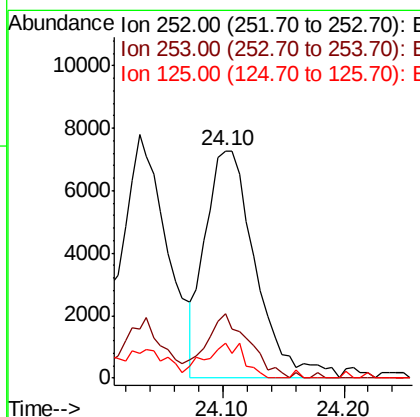
Manual Integrations
APPROVED

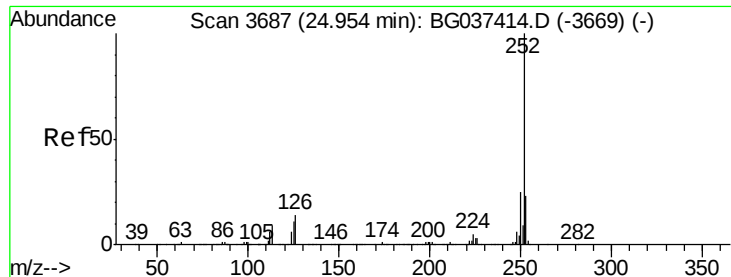
Sohil
10/19/2018 3:57:49 PM



#89
Benzo(k)fluoranthene
Concen: 1.074 ng m
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.4	26.2#
125	9.6	7.4	11.0





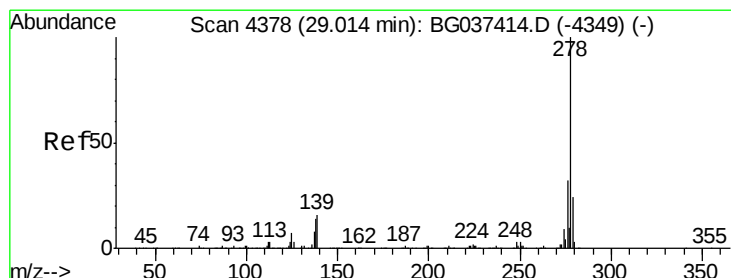
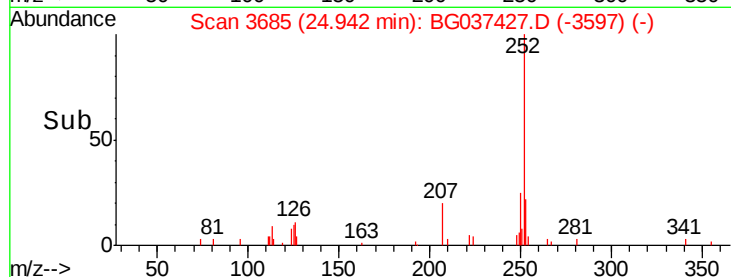
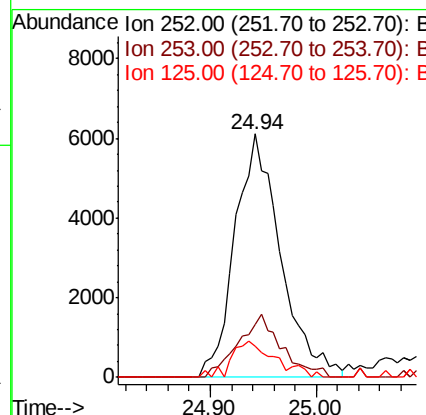
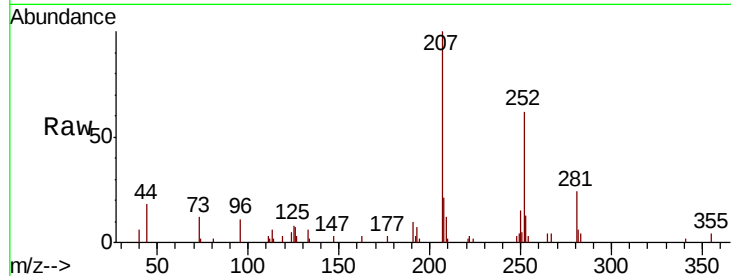
#90
Benzo(a)pyrene
Concen: 0.965 ng
RT: 24.94 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	12.7	9.0	13.6

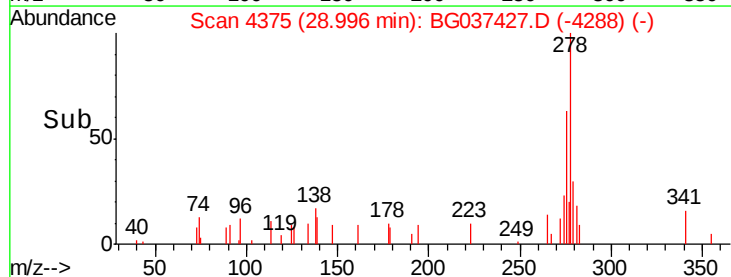
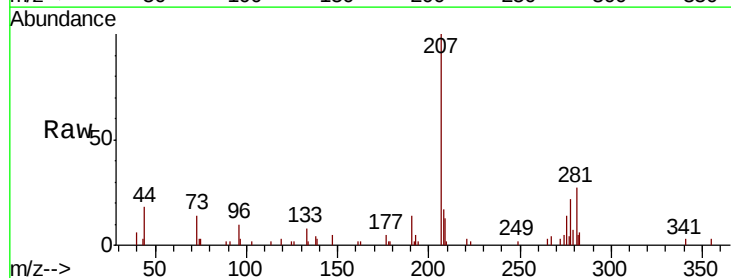
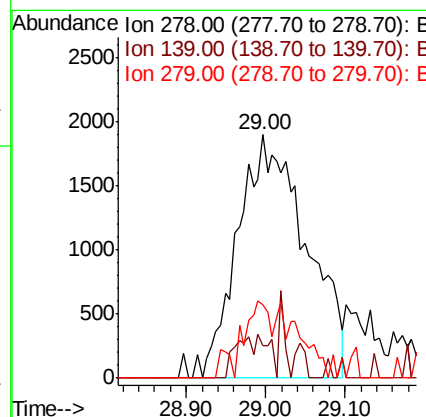
Manual Integrations
APPROVED

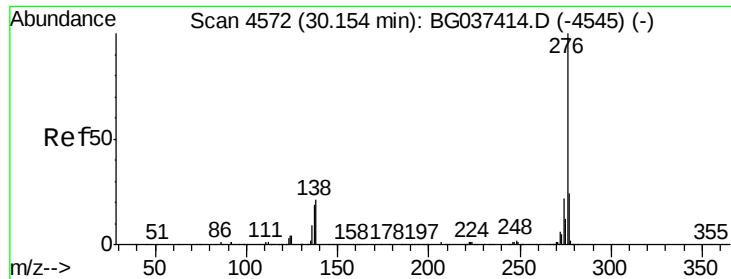
Sohil
10/19/2018 3:57:49 PM



#91
Dibenzo(a,h)anthracene
Concen: 0.649 ng
RT: 29.00 min Scan# 4375
Delta R.T. -0.02 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.5	17.3
279	30.3	18.6	27.8#





#92
 Benzo(a,h,i)perylene
 Concen: 0.872 ng
 RT: 30.11 min Scan# 4565
 Delta R.T. -0.04 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	19.1	18.9	28.3
138	29.0	17.2	25.8

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:49 PM

