

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033184.D
 Acq On : 15 Mar 2018 19:46
 Operator : SJ/JU
 Sample : J1913-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM

Quant Time: Mar 16 05:34:08 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	39113	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	170606	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	103308	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	233073	20.00	ng	0.00
75) Chrysene-d12	22.60	240	226220	20.00	ng	0.00
86) Perylene-d12	26.40	264	255204	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.32	112	342875	140.25	ng	0.00
7) Phenol-d6	8.00	99	432227	126.84	ng	0.00
23) Nitrobenzene-d5	10.10	82	308650	120.82	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	233170	214.66	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	706855	98.68	ng	0.00
78) Terphenyl-d14	20.76	244	1093844	108.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.96	88	38055	35.866	ng	# 87
3) Pyridine	4.43	79	81345	27.816	ng	92
4) n-Nitrosodimethylamine	4.32	42	65167	55.581	ng	# 79
6) Aniline	8.19	93	36888	7.997	ng	97
8) 2-Chlorophenol	8.45	128	137811	51.500	ng	96
9) Benzaldehyde	7.99	77	57116	29.082	ng	96
10) Phenol	8.03	94	152147	44.291	ng	95
11) bis(2-Chloroethyl)ether	8.28	93	121005	43.079	ng	97
12) 1,3-Dichlorobenzene	8.78	146	137235	43.786	ng	98
13) 1,4-Dichlorobenzene	8.93	146	140018	44.381	ng	98
14) 1,2-Dichlorobenzene	9.27	146	134103	44.357	ng	96
15) Benzyl Alcohol	9.13	79	125142	49.953	ng	96
16) 2,2'-oxybis(1-Chloropropan	9.42	45	218169	45.181	ng	99
17) 2-Methylphenol	9.33	107	114505	45.204	ng	97
18) Hexachloroethane	10.02	117	51807	48.229	ng	90
19) n-Nitroso-di-n-propylamine	9.71	70	108650	45.163	ng	# 92
20) 3+4-Methylphenols	9.67	107	166888	47.383	ng	97
22) Acetophenone	9.74	105	203403	47.208	ng	# 97
24) Nitrobenzene	10.14	77	155916	56.069	ng	94
25) Isophorone	10.67	82	305940	51.091	ng	# 94
26) 2-Nitrophenol	10.87	139	79507	70.838	ng	96
27) 2,4-Dimethylphenol	10.90	122	142527	54.790	ng	91
28) bis(2-Chloroethoxy)methane	11.14	93	173441	49.719	ng	96
29) 2,4-Dichlorophenol	11.41	162	141058	59.746	ng	92
30) 1,2,4-Trichlorobenzene	11.64	180	134184	48.485	ng	93
31) Naphthalene	11.83	128	433575	48.635	ng	99
32) Benzoic acid	10.97	122	19892m	19.192	ng	
33) 4-Chloroaniline	11.93	127	28412	7.128	ng	# 93
34) Hexachlorobutadiene	12.09	225	79405	51.151	ng	91
35) Caprolactam	12.68	113	39325	41.598	ng	91
36) 4-Chloro-3-methylphenol	12.99	107	166066	60.443	ng	96
37) 2-Methylnaphthalene	13.39	142	322576	50.014	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.74	216	152583	49.754	ng	# 98
40) Hexachlorocyclopentadiene	13.71	237	149853	95.880	ng	91

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033184.D
 Acq On : 15 Mar 2018 19:46
 Operator : SJ/JU
 Sample : J1913-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

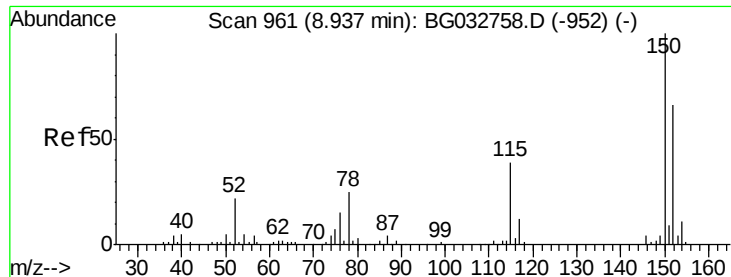
Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM

Quant Time: Mar 16 05:34:08 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.96	196	112961	58.408	nq	95
43) 2,4,5-Trichlorophenol	14.04	196	126541	56.533	nq	98
45) 1,1'-Biphenyl	14.35	154	408312	45.230	nq	95
46) 2-Chloronaphthalene	14.41	162	314978	46.708	nq	95
47) 2-Nitroaniline	14.60	65	114951	63.577	nq	95
48) Acenaphthylene	15.25	152	511779	46.354	nq	99
49) Dimethylphthalate	14.94	163	419619	47.837	nq	100
50) 2,6-Dinitrotoluene	15.07	165	91251	60.097	nq	98
51) Acenaphthene	15.58	154	320804	46.656	nq	98
52) 3-Nitroaniline	15.41	138	28304	20.825	nq	# 87
53) 2,4-Dinitrophenol	15.61	184	13337	37.525	nq	86
54) Dibenzofuran	15.91	168	490562	50.106	nq	92
55) 4-Nitrophenol	15.69	139	141528	96.887	nq	94
56) 2,4-Dinitrotoluene	15.85	165	131514	68.984	nq	89
57) Fluorene	16.55	166	389514	48.203	nq	99
58) 2,3,4,6-Tetrachlorophenol	16.12	232	114415	65.837	nq	94
59) Diethylphthalate	16.28	149	439338	47.486	nq	99
60) 4-Chlorophenyl-phenylether	16.52	204	205935	52.096	nq	93
61) 4-Nitroaniline	16.56	138	73364	39.668	nq	94
62) Azobenzene	16.82	77	390679	47.201	nq	94
64) 4,6-Dinitro-2-methylphenol	16.60	198	21149	35.438	nq	93
65) n-Nitrosodiphenylamine	16.74	169	365339	48.184	nq	98
66) 4-Bromophenyl-phenylether	17.42	248	132268	53.669	nq	# 86
67) Hexachlorobenzene	17.54	284	143483	53.875	nq	96
68) Atrazine	17.66	200	130626	52.339	nq	97
69) Pentachlorophenol	17.89	266	131227	78.225	nq	97
70) Phenanthrene	18.29	178	640901	49.288	nq	100
71) Anthracene	18.38	178	650716	49.846	nq	98
72) Carbazole	18.64	167	601110	46.716	nq	# 98
73) Di-n-butylphthalate	19.13	149	733230	46.449	nq	99
74) Fluoranthene	20.24	202	733341	51.055	nq	98
76) Benzidine	20.40	184	54429	7.059	nq	96
77) Pyrene	20.60	202	741687	46.492	nq	98
79) Butylbenzylphthalate	21.46	149	343074	48.504	nq	93
80) Benzo(a)anthracene	22.58	228	724879	49.970	nq	99
81) 3,3'-Dichlorobenzidine	22.47	252	52544	9.780	nq	98
82) Chrysene	22.66	228	678039	48.930	nq	97
83) Bis(2-ethylhexyl)phthalate	22.40	149	472885	45.166	nq	96
84) Di-n-octyl phthalate	23.81	149	817644	51.235	nq	100
85) Indeno(1,2,3-cd)pyrene	30.84	276	882584	54.613	nq	97
87) Benzo(b)fluoranthene	25.18	252	746659	49.482	nq	100
88) Benzo(k)fluoranthene	25.26	252	726911	48.472	nq	99
89) Benzo(a)pyrene	26.23	252	723367	50.401	nq	98
90) Dibenzo(a,h)anthracene	30.91	278	741674	51.340	nq	96
91) Benzo(g,h,i)perylene	32.22	276	730453	51.293	nq	97

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



#1

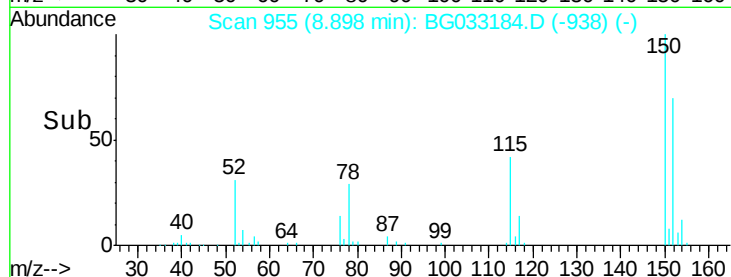
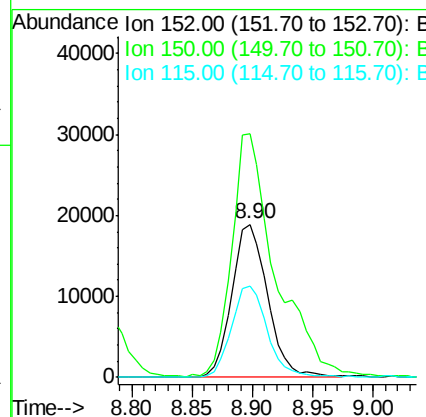
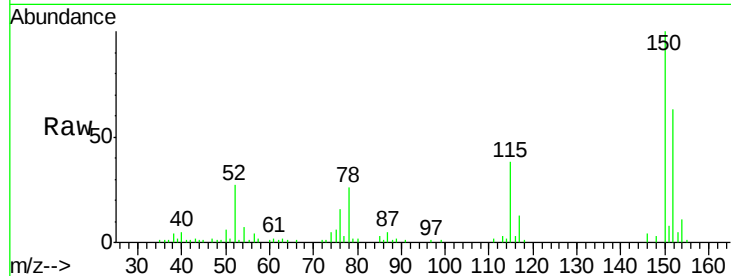
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.6	189.8
115	59.8	53.0	79.4

Manual Integrations
APPROVED

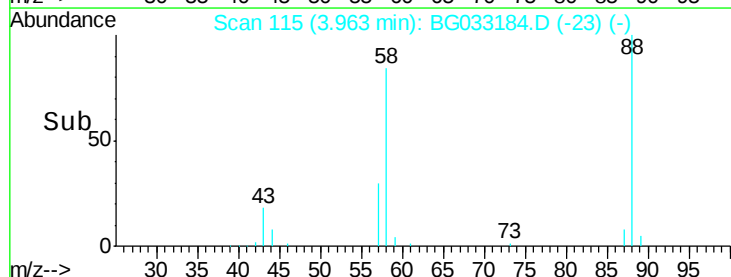
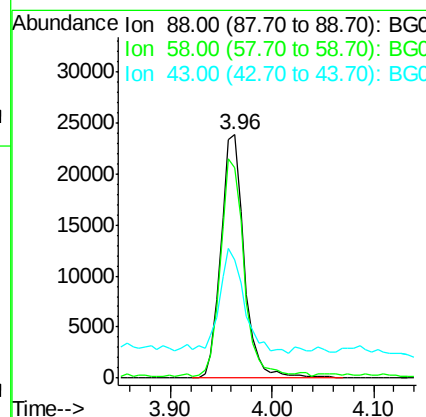
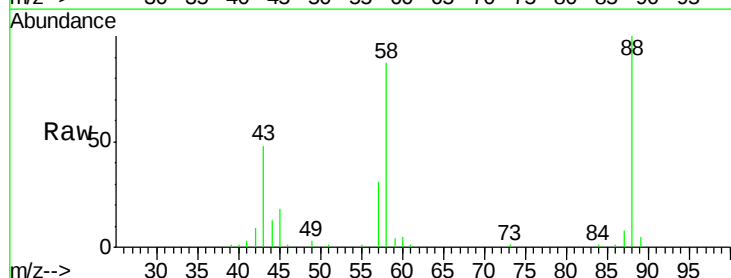
Sohil
3/16/2018 12:07:31 PM

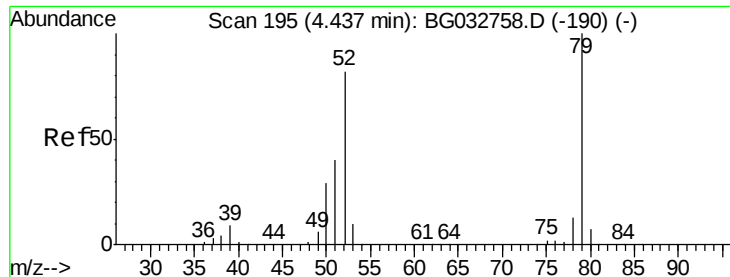


#2

1,4-Dioxane
Concen: 35.866 ng
RT: 3.96 min Scan# 115
Delta R.T. 0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.2	79.6	119.4
43	45.4	27.4	41.0





#3

Pvridine

Concen: 27.816 ng

RT: 4.43 min Scan# 194

Delta R.T. 0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

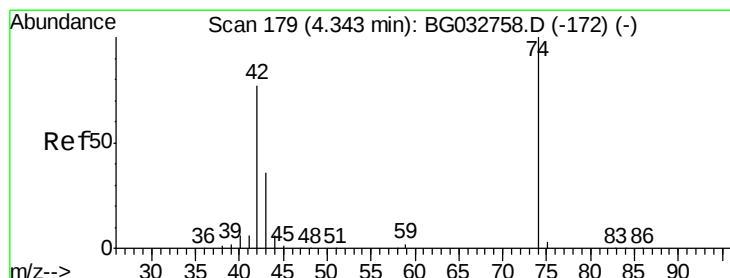
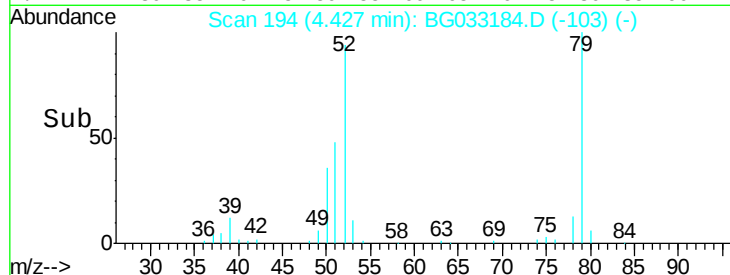
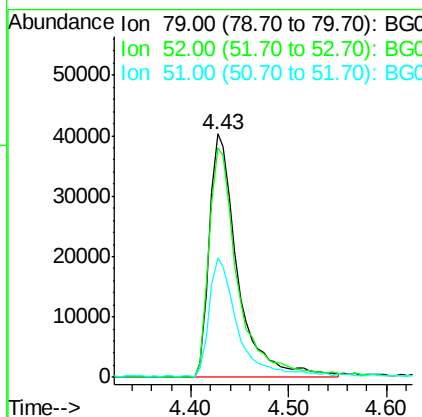
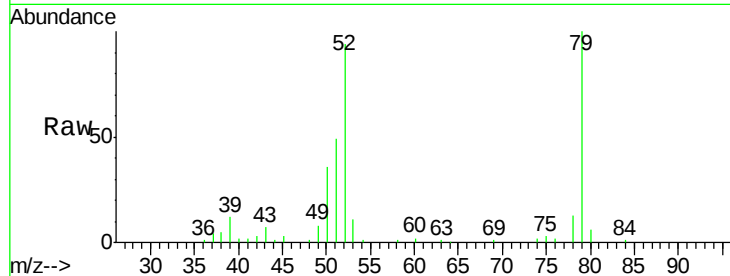
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	79	Resp:	81345
Ion	Ratio	Lower	Upper
79	100		
52	94.4	69.9	104.9
51	48.8	34.0	51.0

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#4

n-Nitrosodimethylamine

Concen: 55.581 ng

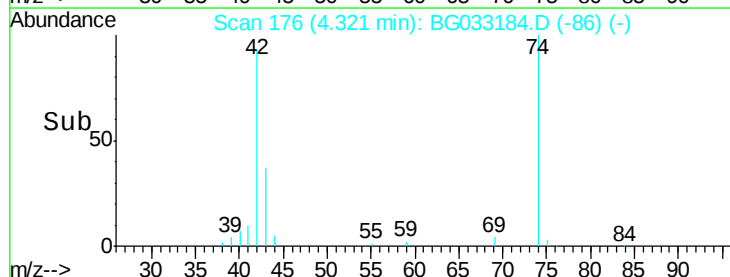
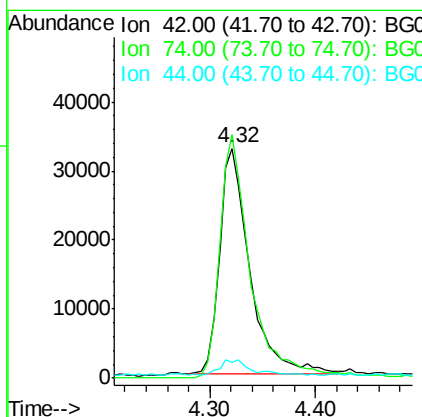
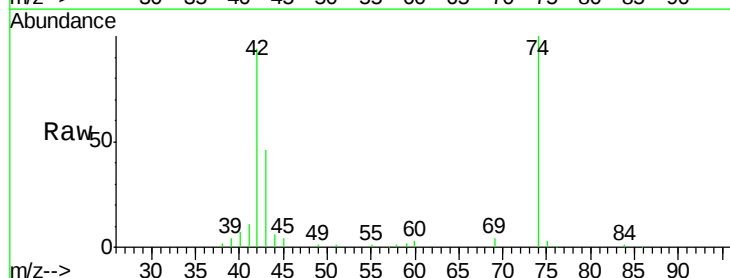
RT: 4.32 min Scan# 176

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	42	Resp:	65167
Ion	Ratio	Lower	Upper
42	100		
74	106.0	102.5	153.7
44	6.9	18.9	28.3





#5

2-Fluorophenol

Concen: 140.248 ng

RT: 6.32 min Scan# 516

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

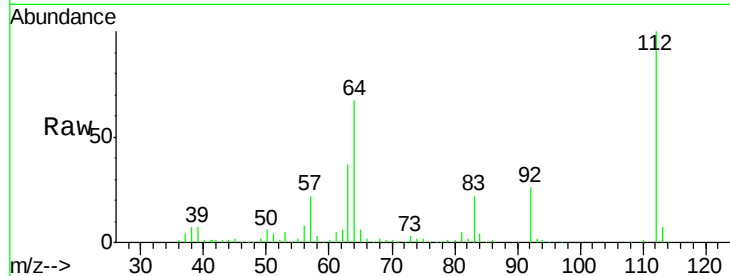
ClientSampleId :

OILY-SOIL-124029MSD

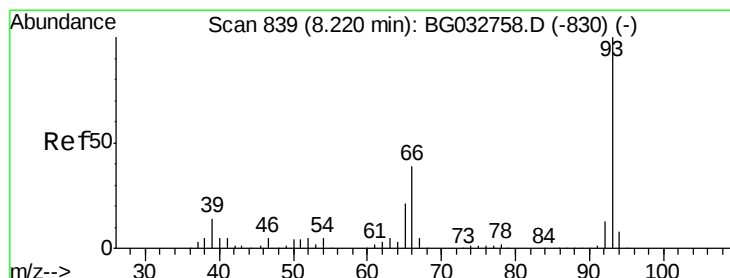
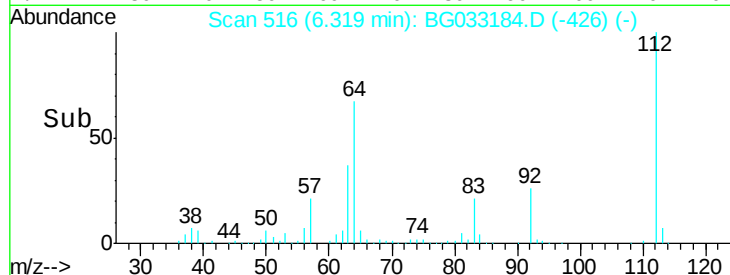
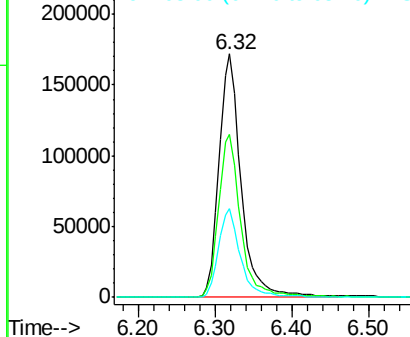
Tot Ion:	112	Resp:	342875
Ion Ratio	Lower	Upper	
112	100		
64	66.8	56.3	84.5
63	36.6	30.1	45.1

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



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



#6

Aniline

Concen: 7.997 ng

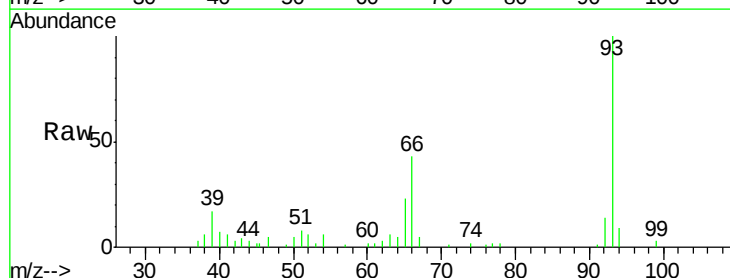
RT: 8.19 min Scan# 835

Delta R.T. 0.00 min

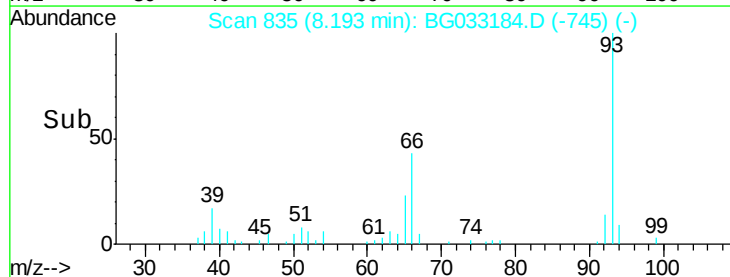
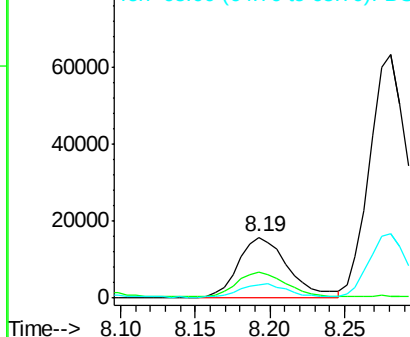
Lab File: BG033184.D

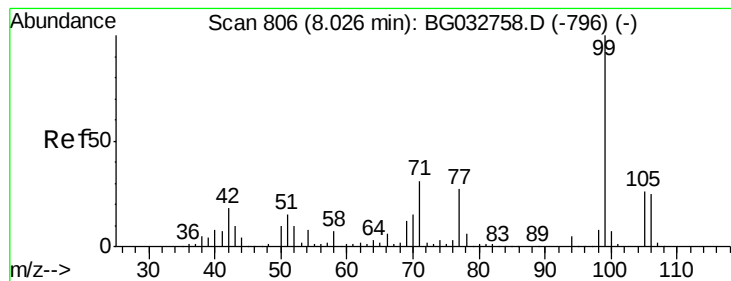
Acq: 15 Mar 2018 19:46

Tgt Ion:	93	Resp:	36888
Ion Ratio	Lower	Upper	
93	100		
66	43.0	33.7	50.5
65	22.6	16.1	24.1



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





#7

Phenol-d6

Concen: 126.839 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion: 99 Resp: 432227

Ion Ratio Lower Upper

99 100

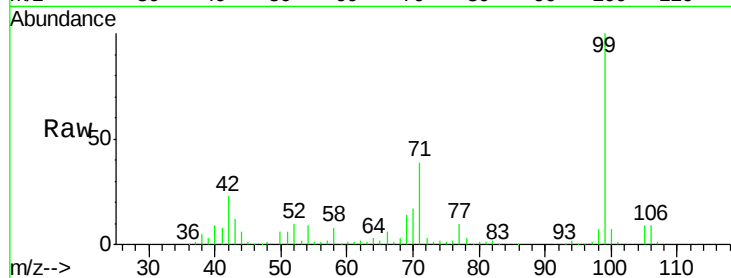
42 22.8 14.1 21.1#

71 39.0 26.1 39.1

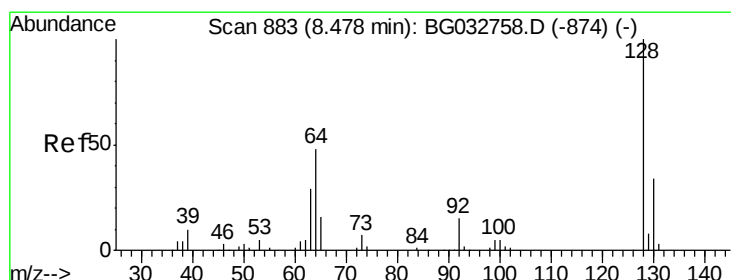
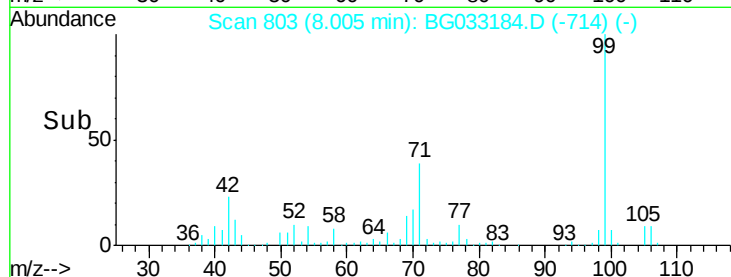
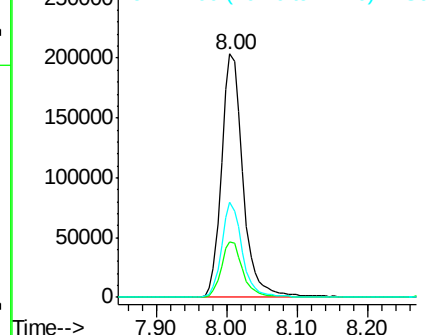
Manual Integrations
APPROVED

Sohil

3/16/2018 12:07:31 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: 51.500 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

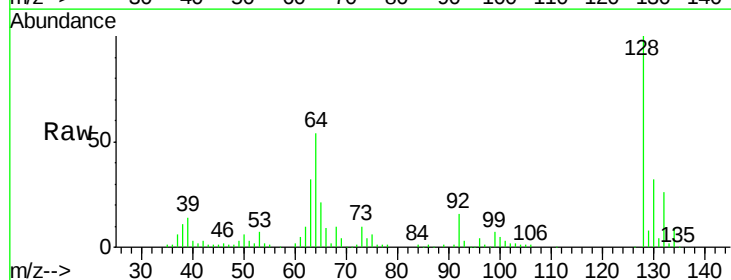
Tgt Ion:128 Resp: 137811

Ion Ratio Lower Upper

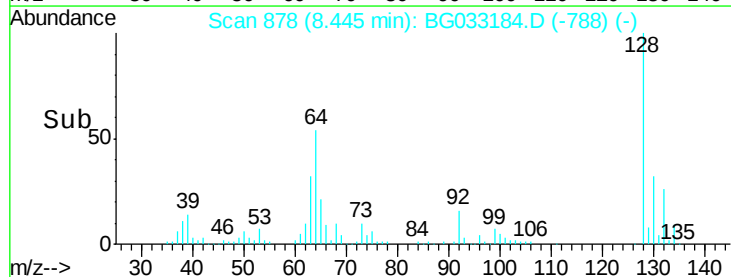
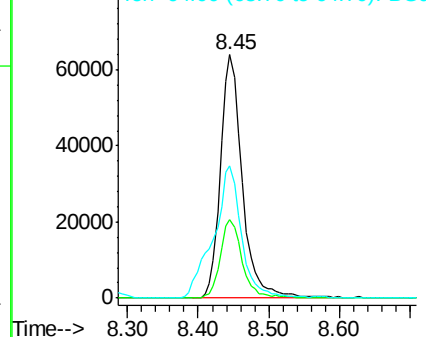
128 100

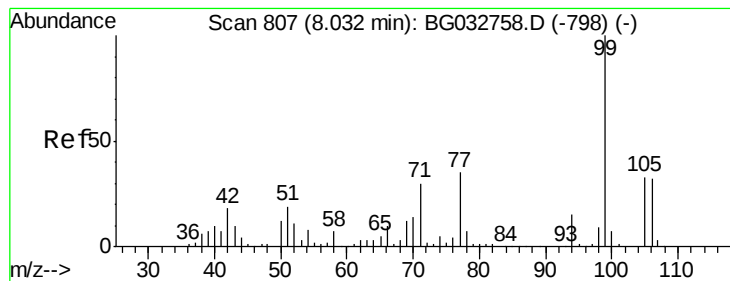
130 32.4 14.0 54.0

64 54.5 37.7 77.7



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





#9

Benzaldehyde

Concen: 29.082 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

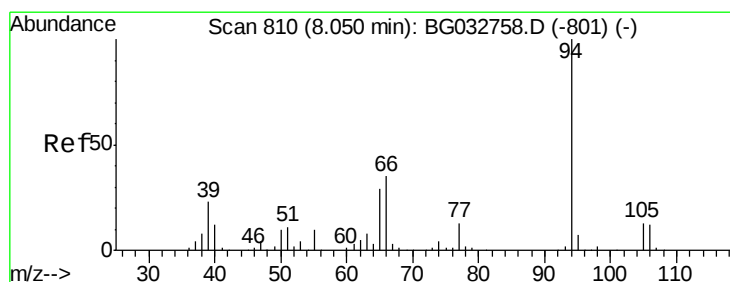
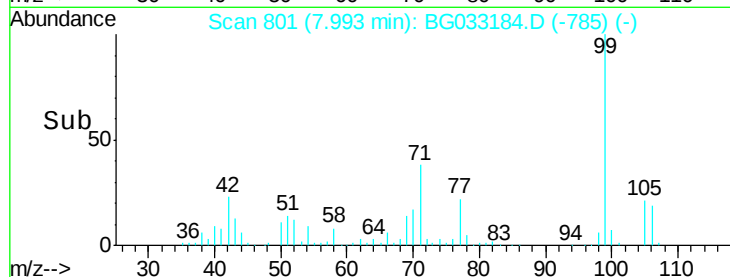
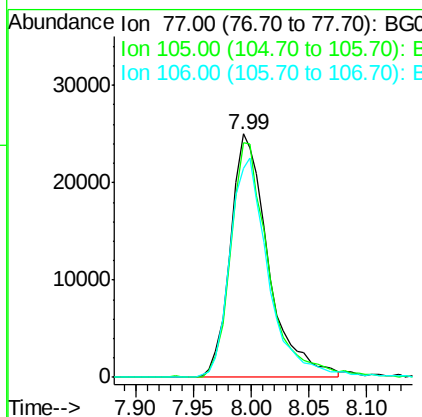
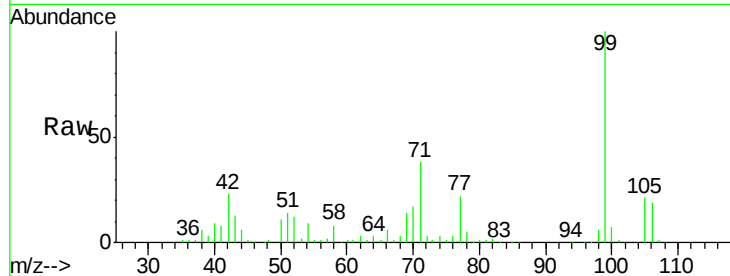
OILY-SOIL-124029MSD

Tot Ion: 77 Resp: 57116

Ion	Ratio	Lower	Upper
77	100		
105	96.3	71.3	111.3
106	85.8	64.2	104.2

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#10

Phenol

Concen: 44.291 ng

RT: 8.03 min Scan# 808

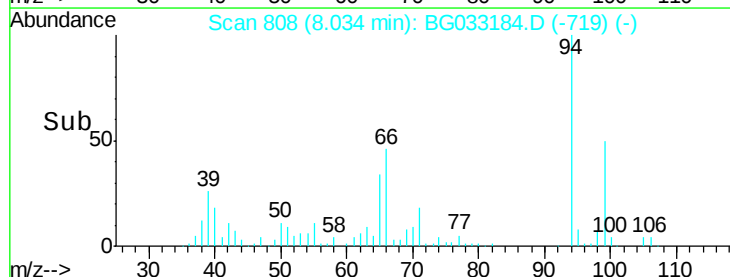
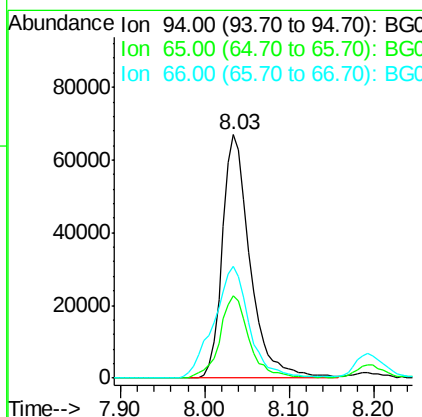
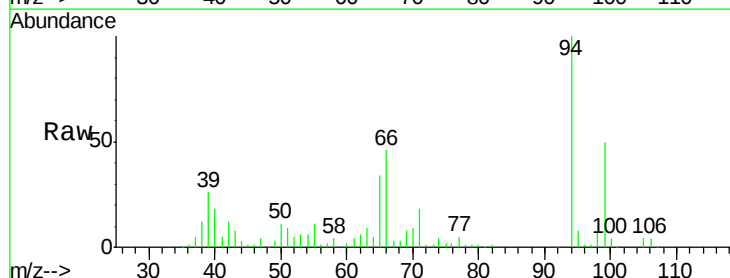
Delta R.T. -0.01 min

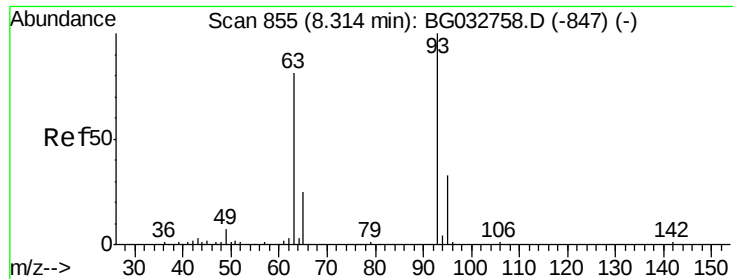
Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion: 94 Resp: 152147

Ion	Ratio	Lower	Upper
94	100		
65	34.0	11.9	51.9
66	46.2	22.2	62.2





#11

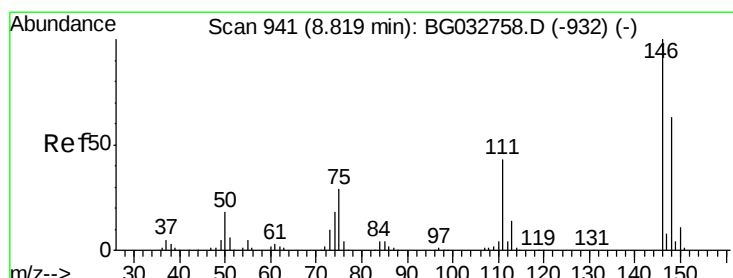
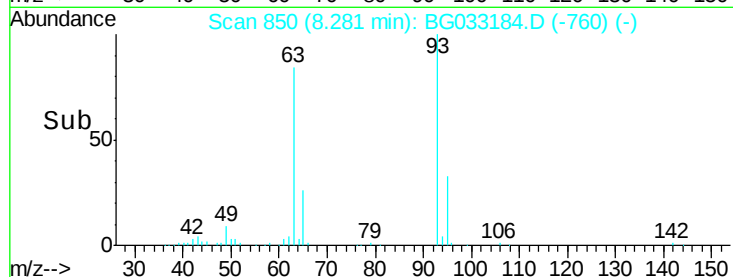
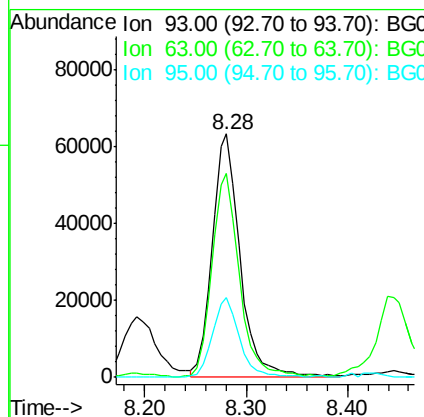
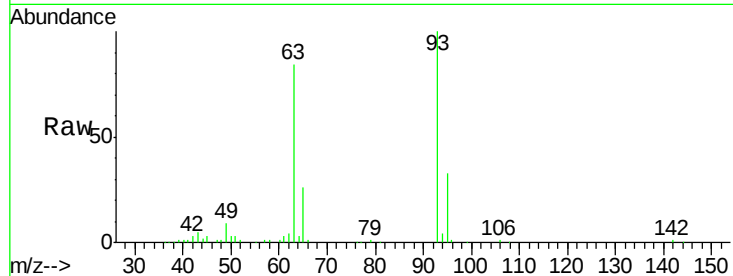
bis(2-Chloroethyl)ether
Concen: 43.079 ng
RT: 8.28 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.7	67.1	107.1
95	32.6	11.5	51.5

Manual Integrations
APPROVED

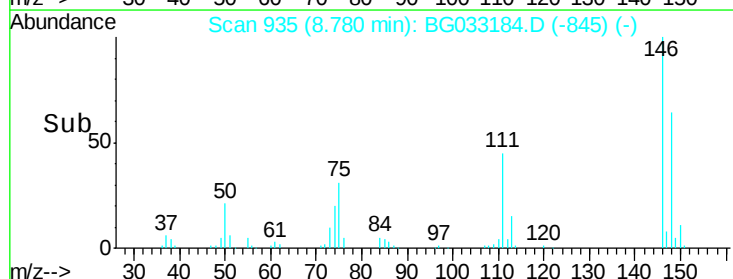
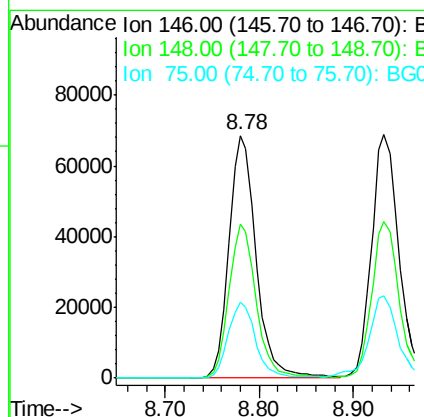
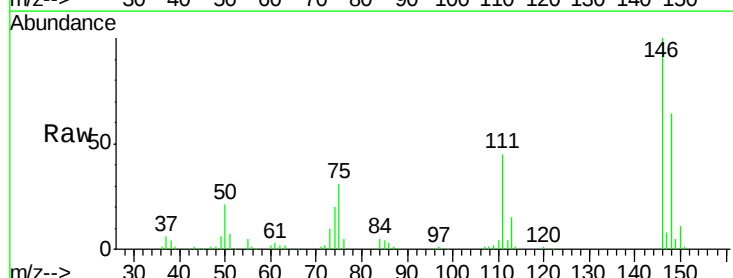
Sohil
3/16/2018 12:07:31 PM

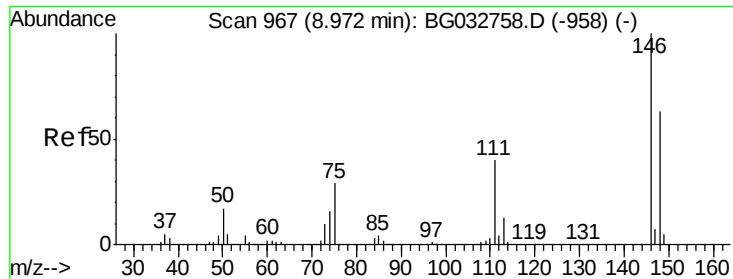


#12

1,3-Dichlorobenzene
Concen: 43.786 ng
RT: 8.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
75	31.2	26.6	39.8





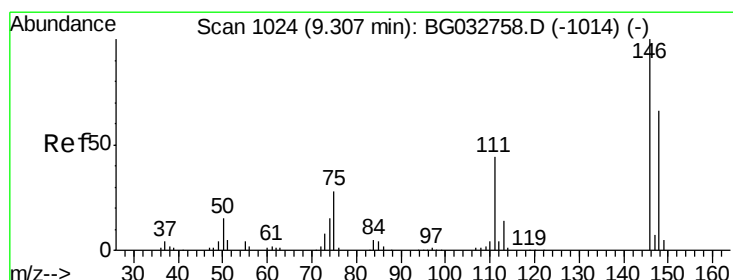
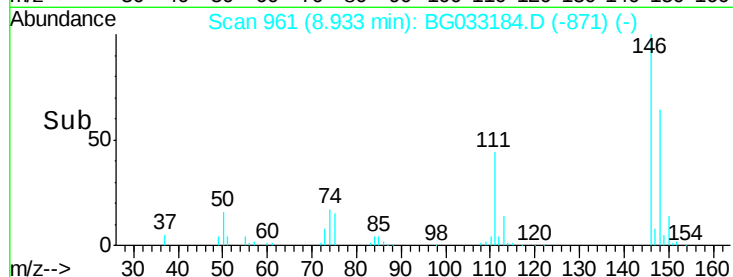
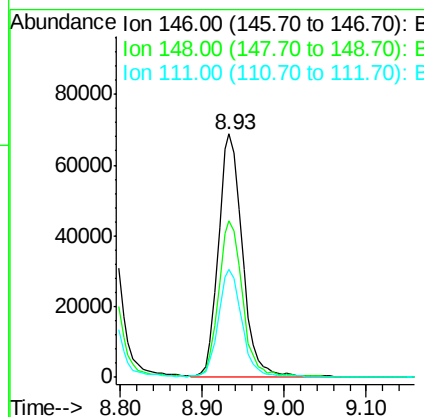
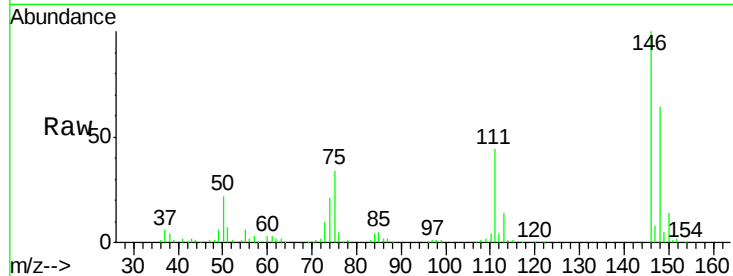
#13
1,4-Dichlorobenzene
Concen: 44.381 ng
RT: 8.93 min Scan# 961
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	53.7	80.5
111	44.3	35.2	52.8

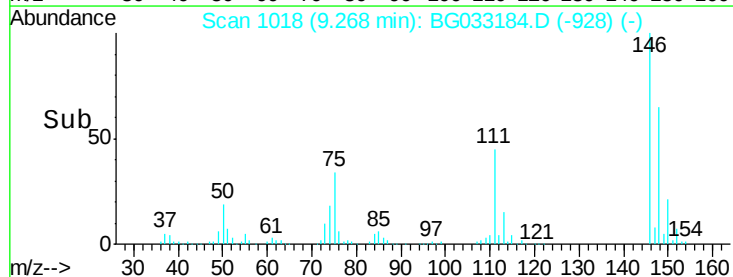
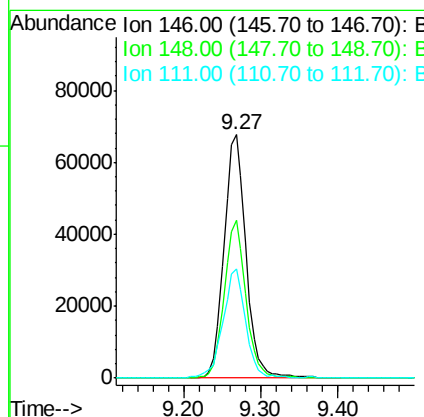
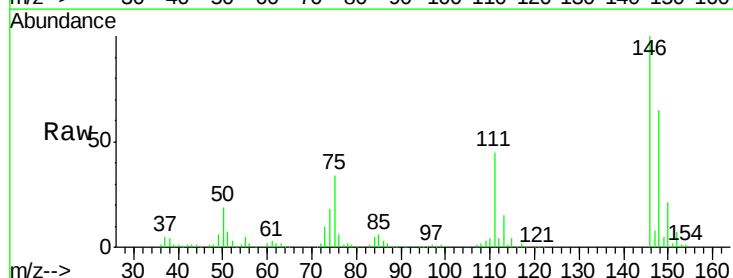
Manual Integrations
APPROVED

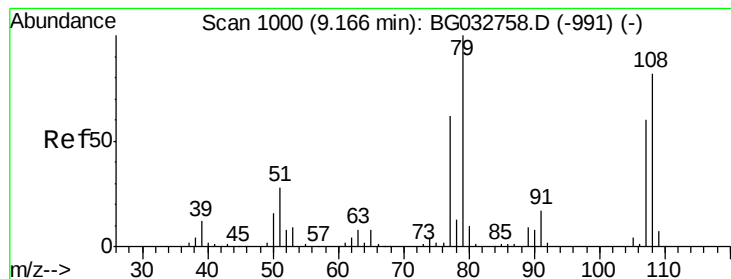
Sohil
3/16/2018 12:07:31 PM



#14
1,2-Dichlorobenzene
Concen: 44.357 ng
RT: 9.27 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	49.3	73.9
111	44.6	34.3	51.5





#15

Benzyl Alcohol

Concen: 49.953 ng

RT: 9.13 min Scan# 995

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

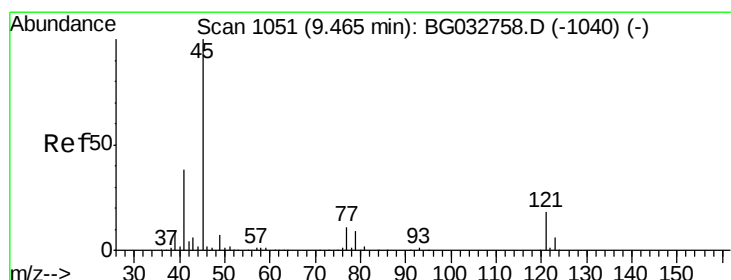
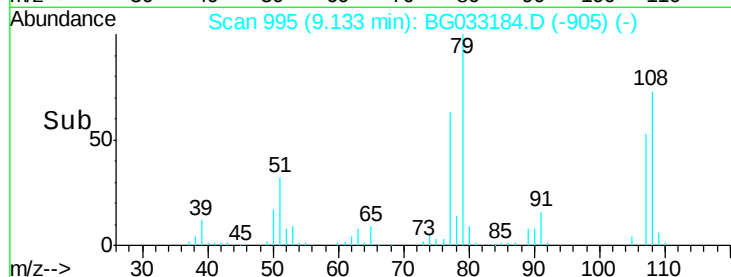
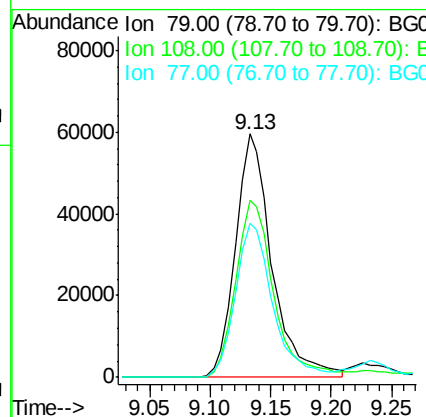
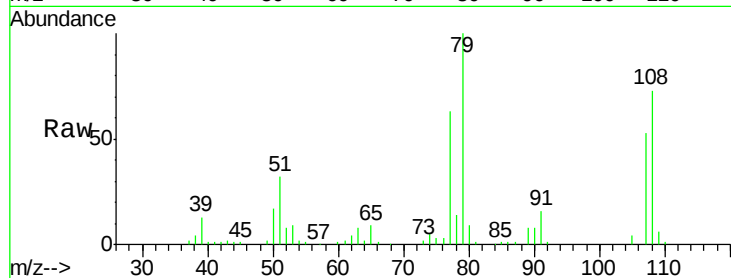
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	79	Resp:	125142
Ion Ratio	Lower	Upper	
79	100		
108	72.8	57.2	85.8
77	63.3	46.1	69.1

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.181 ng

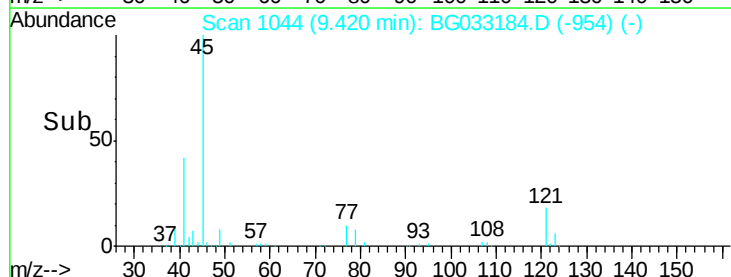
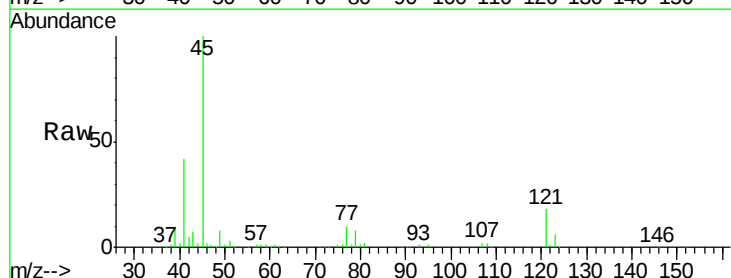
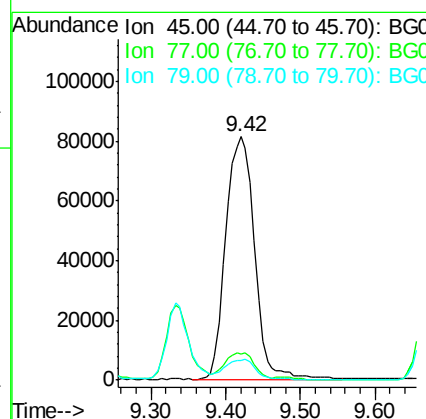
RT: 9.42 min Scan# 1044

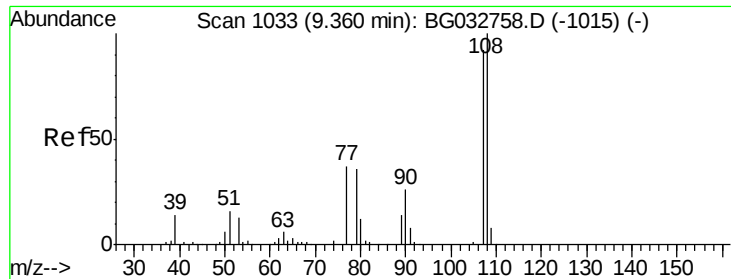
Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	45	Resp:	218169
Ion Ratio	Lower	Upper	
45	100		
77	10.5	0.0	30.2
79	8.3	0.0	27.9





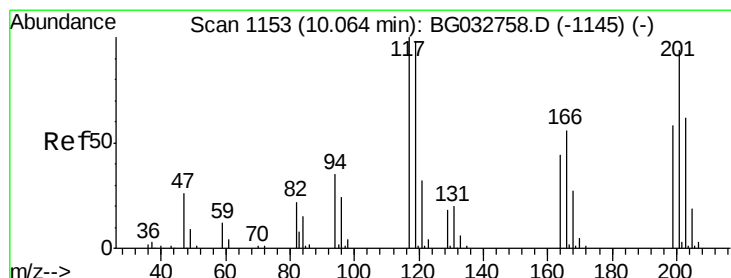
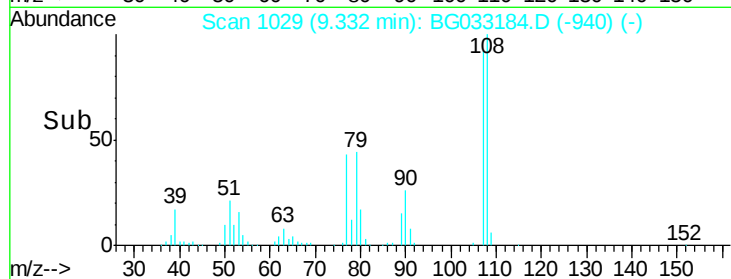
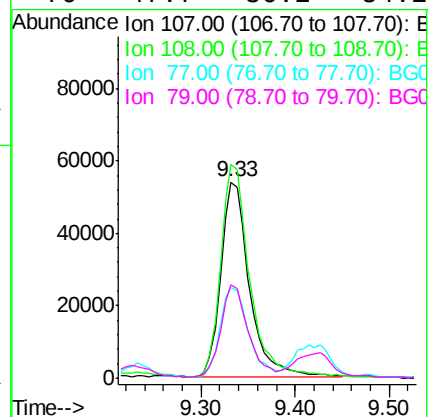
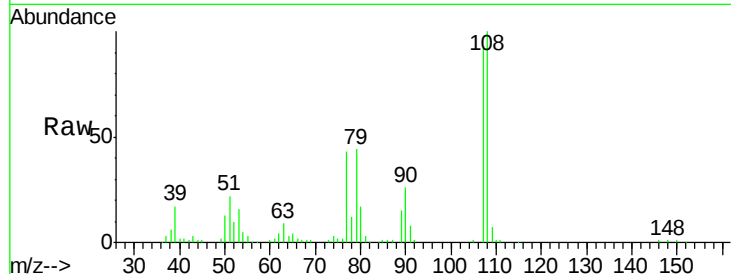
#17
2-Methylphenol
Concen: 45.204 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.8	83.9	125.9	
77	46.4	37.2	55.8	
79	47.7	36.2	54.2	

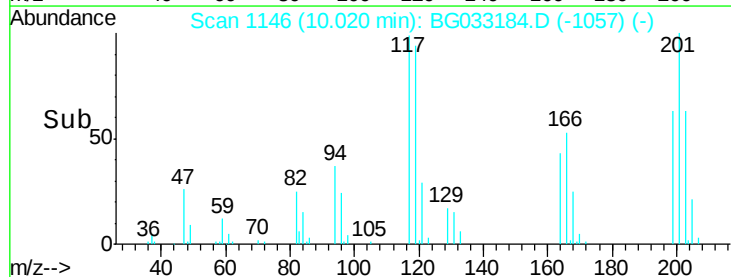
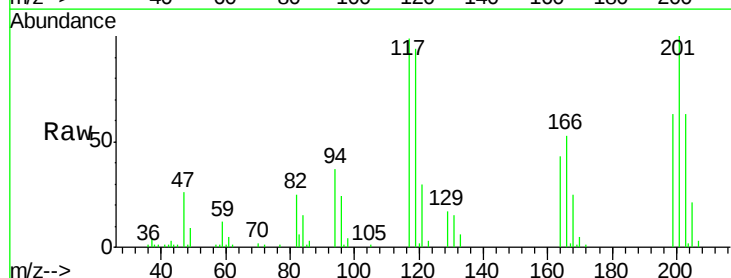
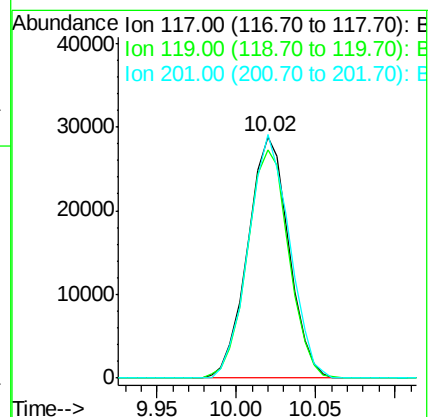
Manual Integrations
APPROVED

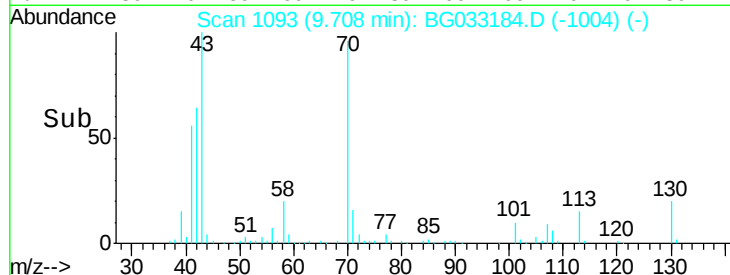
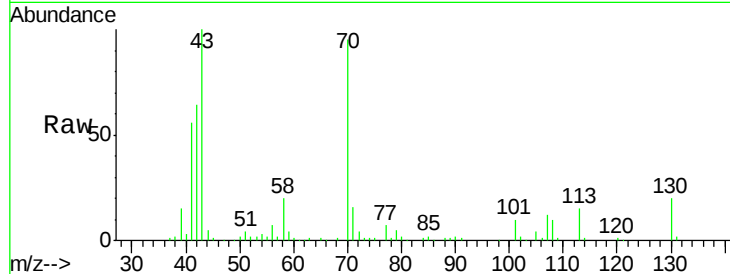
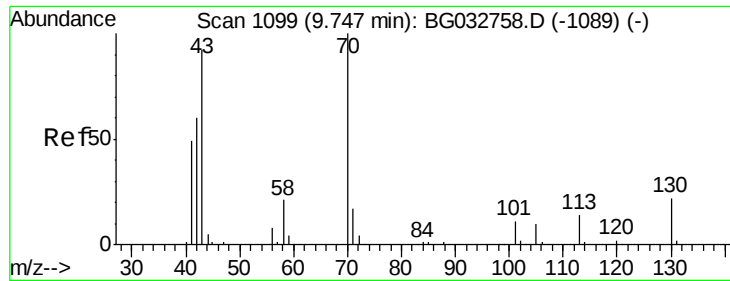
Sohil
3/16/2018 12:07:31 PM



#18
Hexachloroethane
Concen: 48.229 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	76.7	115.1	
201	101.0	95.7	143.5	





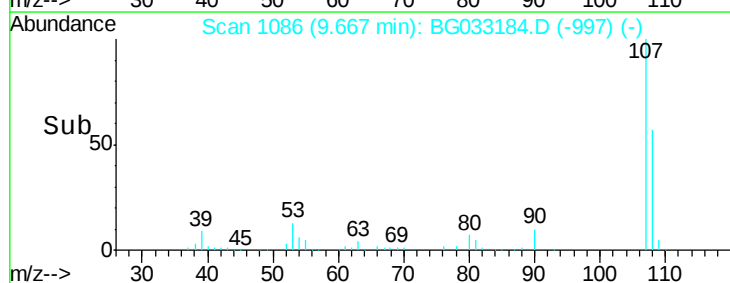
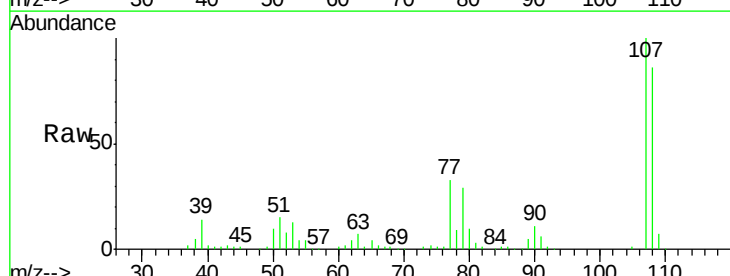
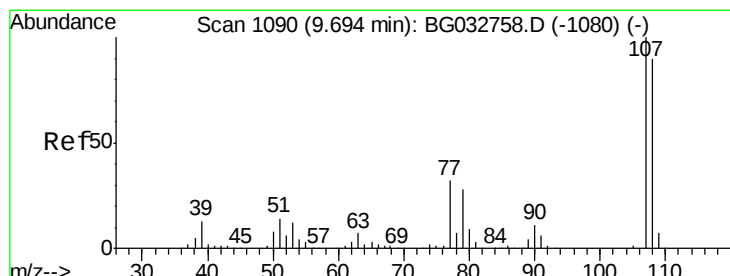
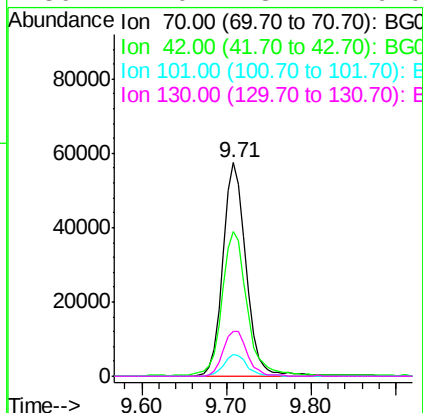
#19
n-Nitroso-di-n-propylamine
Concen: 45.163 ng
RT: 9.71 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	67.5	49.1	73.7	
101	10.1	8.5	12.7	
130	21.0	13.4	20.0	

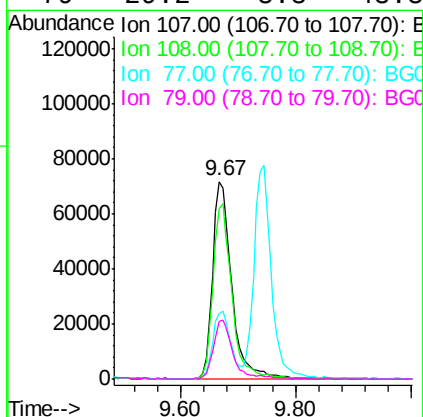
Manual Integrations
APPROVED

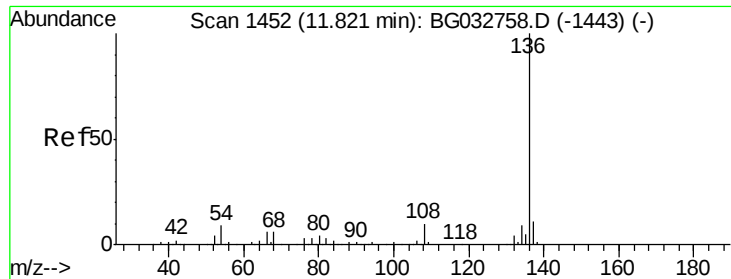
Sohil
3/16/2018 12:07:31 PM



#20
3+4-Methylphenols
Concen: 47.383 ng
RT: 9.67 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.9	61.6	101.6	
77	33.2	13.9	53.9	
79	29.2	8.8	48.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

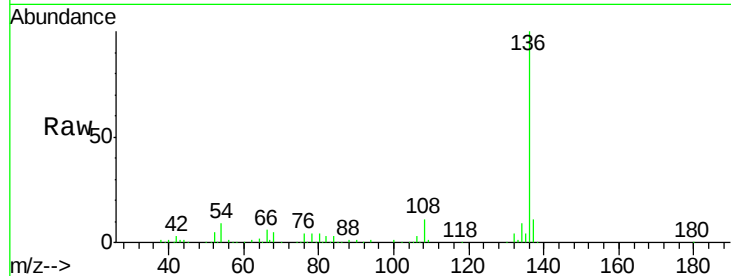
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	170606		
137	10.7	9.2	13.8	
54	9.3	10.3	15.5	
68	5.0	4.5	6.7	

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



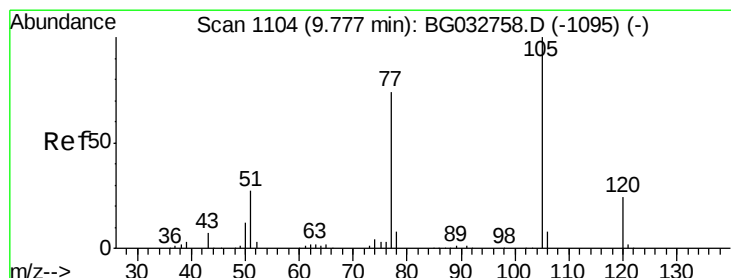
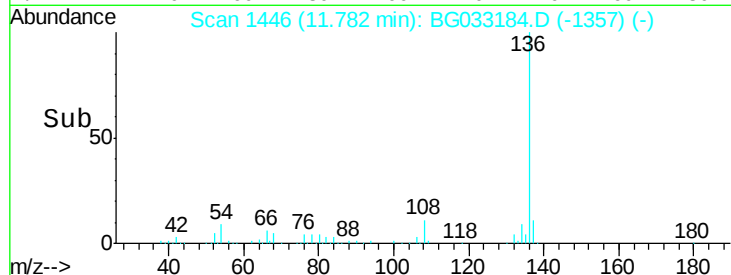
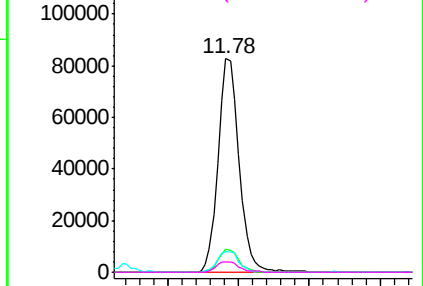
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 47.208 ng

RT: 9.74 min Scan# 1099

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203403		
71	0.7	3.0	4.4	
51	34.6	26.1	39.1	
120	23.0	17.4	26.2	

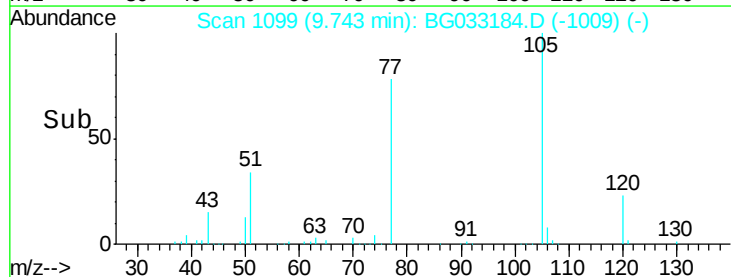
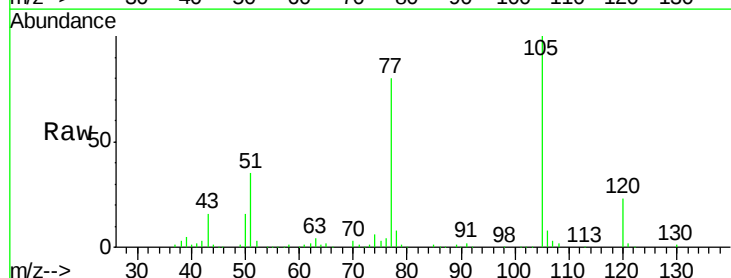
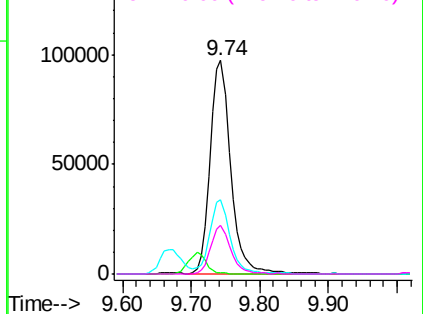
Abundance

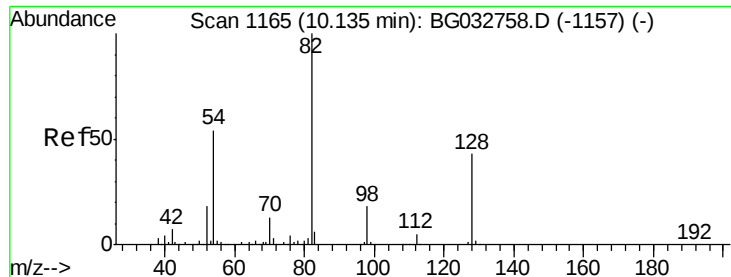
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





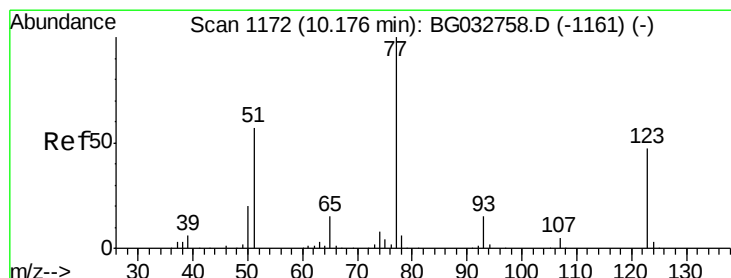
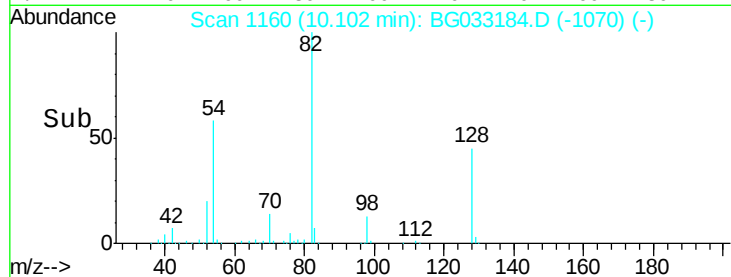
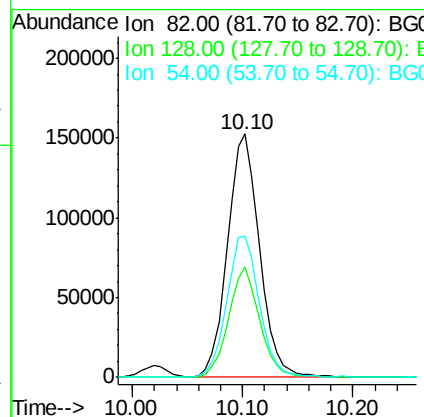
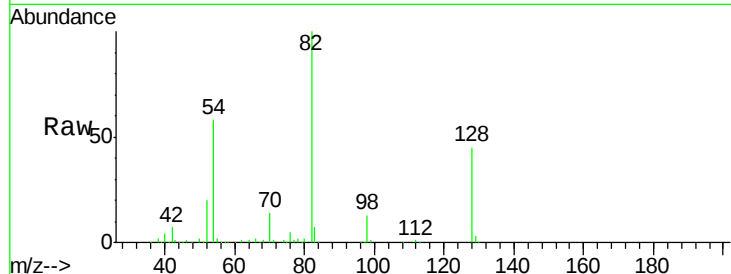
#23
 Nitrobenzene-d5
 Concen: 120.817 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	29.7	44.5#
54	58.2	43.1	64.7

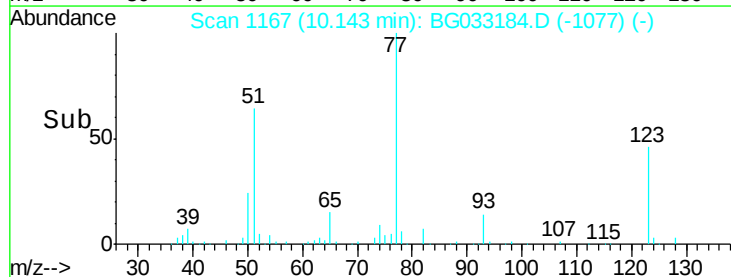
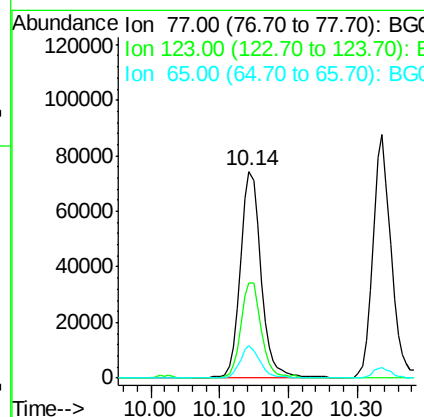
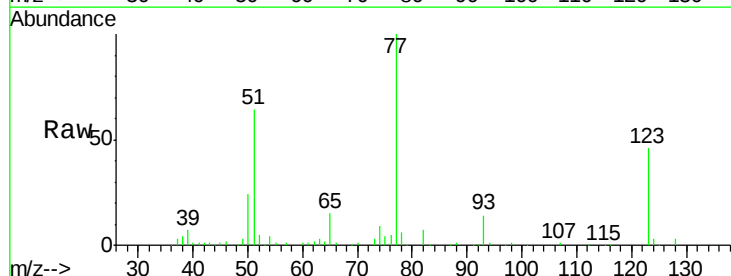
Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM



#24
 Nitrobenzene
 Concen: 56.069 ng
 RT: 10.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.0	33.0	49.6
65	15.4	13.0	19.6





#25

Isophorone

Concen: 51.091 ng

RT: 10.67 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

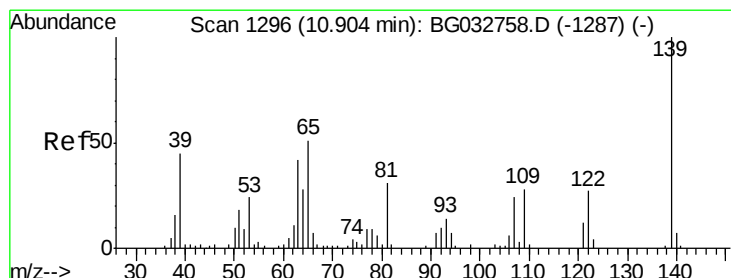
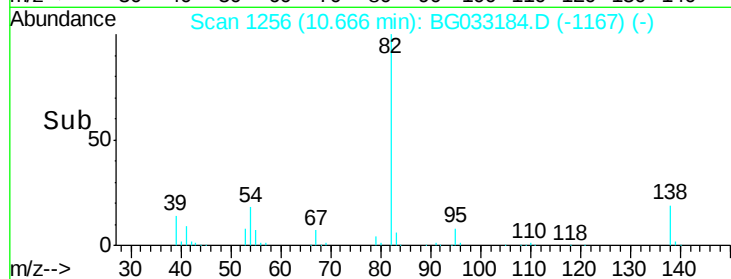
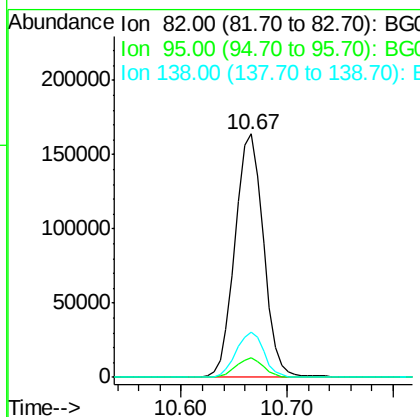
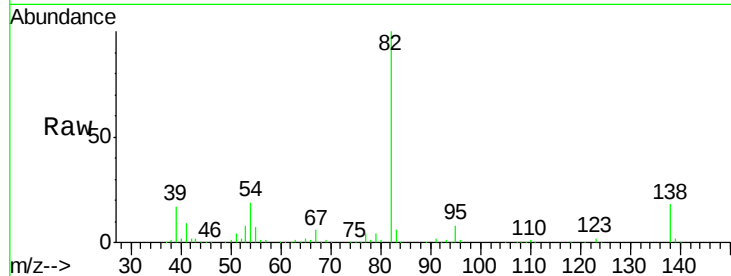
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	82	Resp:	305940
Ion Ratio		Lower	Upper
82	100		
95	8.2	6.2	9.2
138	18.4	12.1	18.1#

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#26

2-Nitrophenol

Concen: 70.838 ng

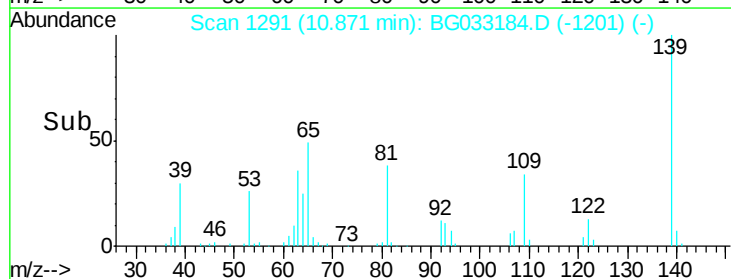
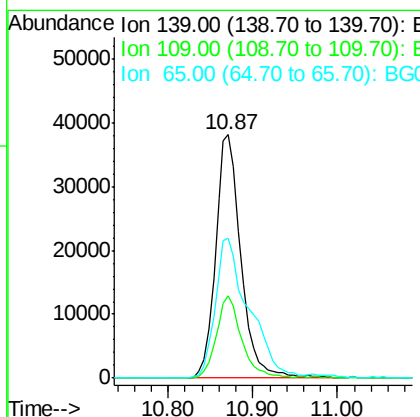
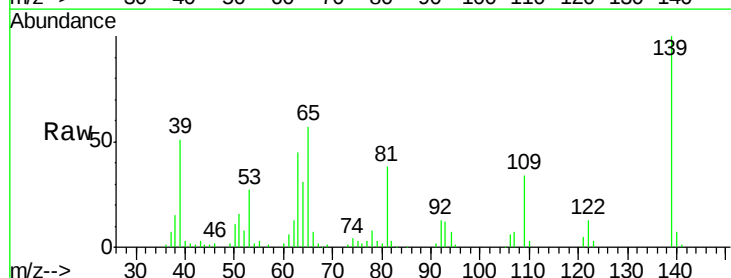
RT: 10.87 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	139	Resp:	79507
Ion Ratio		Lower	Upper
139	100		
109	33.6	24.2	36.2
65	57.2	47.4	71.0





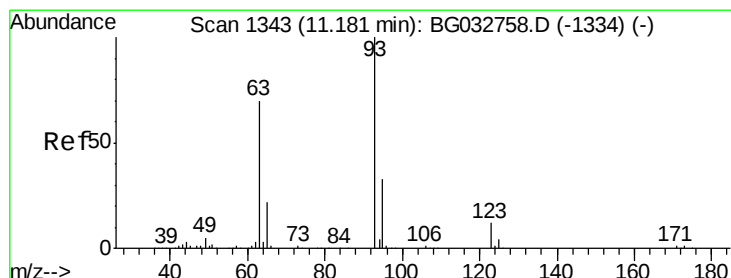
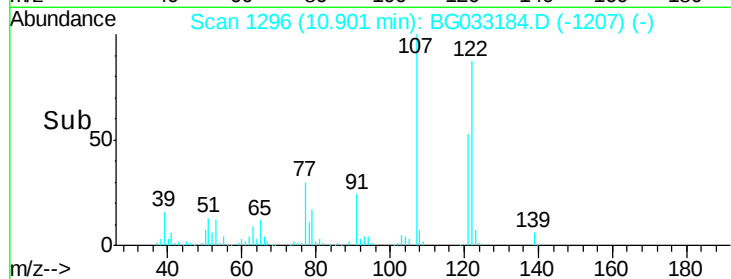
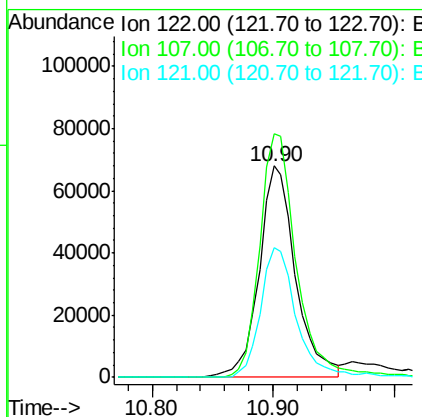
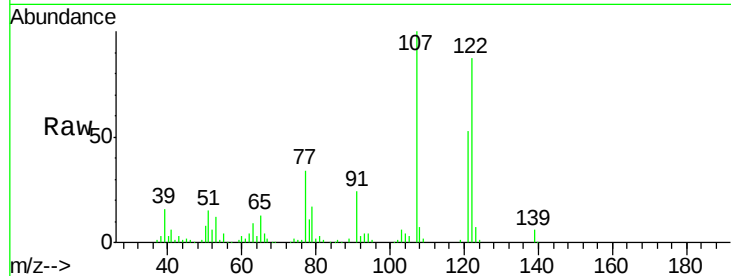
#27
 2,4-Dimethylphenol
 Concen: 54.790 ng
 RT: 10.90 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampled :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.1	100.2	150.2
121	61.2	44.4	66.6

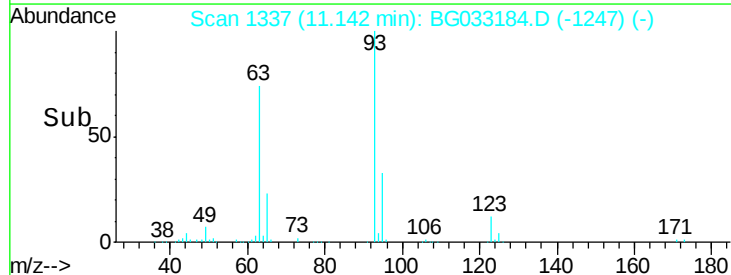
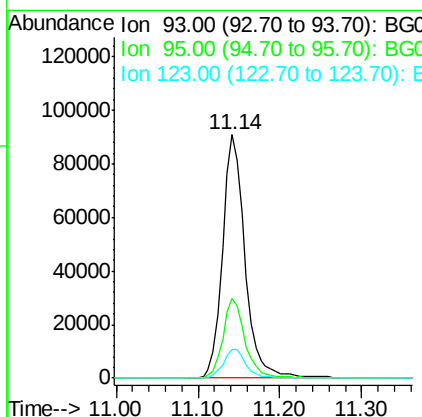
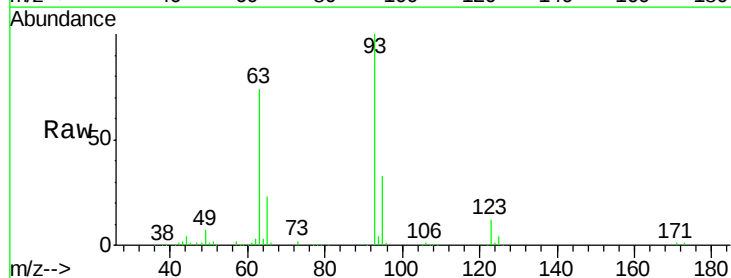
Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.719 ng
 RT: 11.14 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	24.3	36.5
123	11.9	8.4	12.6





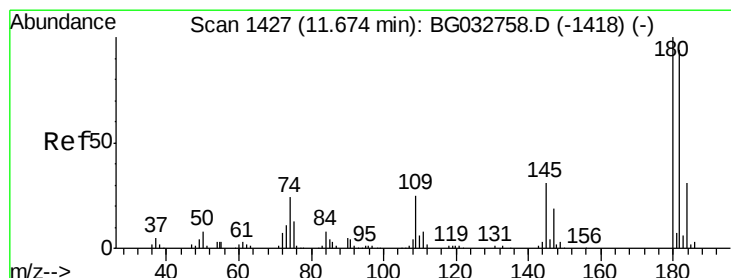
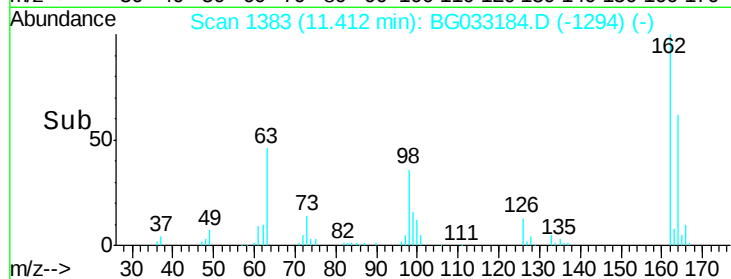
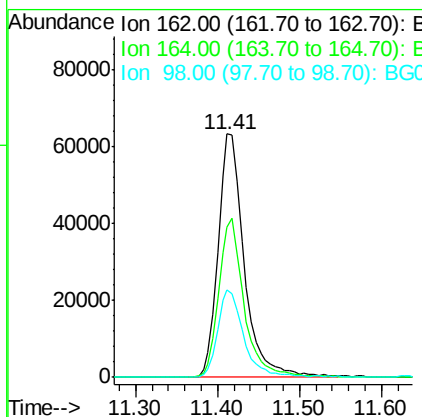
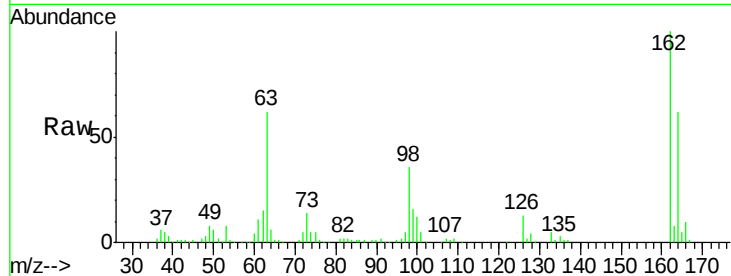
#29
2,4-Dichlorophenol
Concen: 59.746 ng
RT: 11.41 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
164	61.5	48.0	88.0		
98	35.7	21.1	61.1		

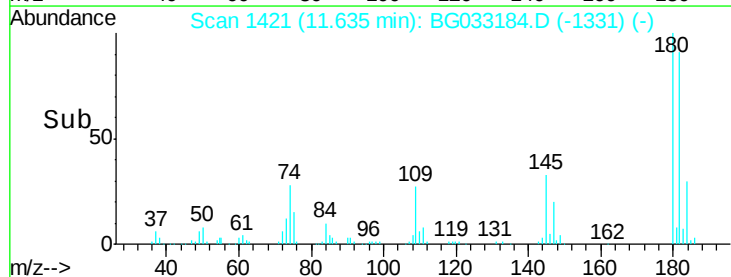
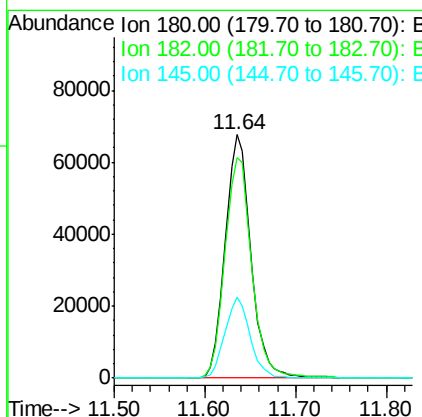
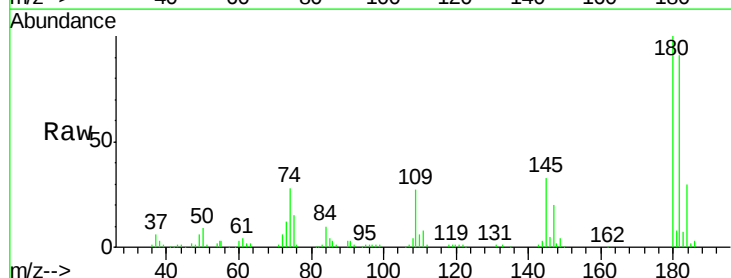
Manual Integrations
APPROVED

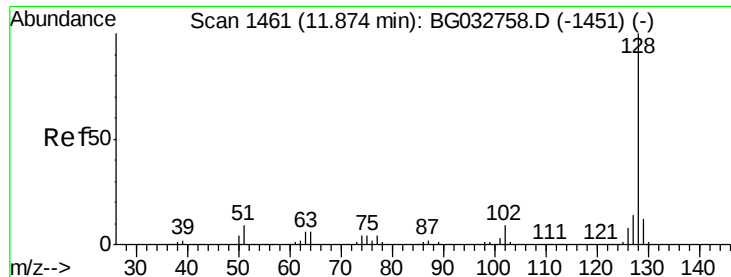
Sohil
3/16/2018 12:07:31 PM



#30
1,2,4-Trichlorobenzene
Concen: 48.485 ng
RT: 11.64 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	90.9	77.5	116.3		
145	33.4	23.4	35.2		





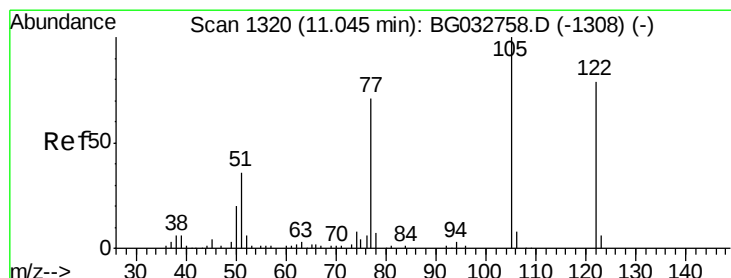
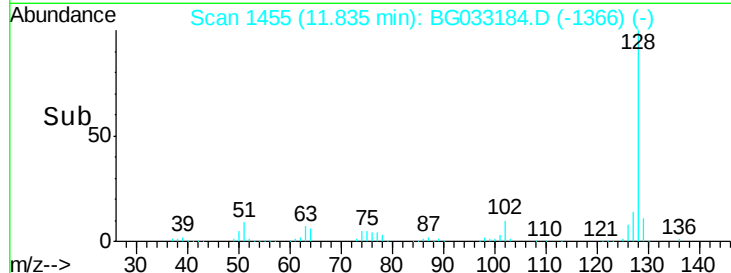
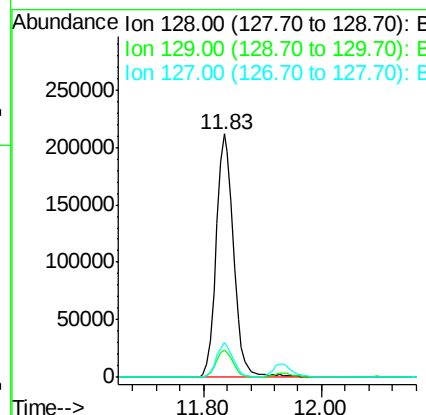
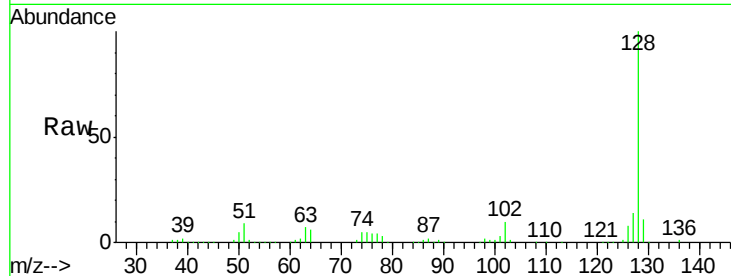
#31
Naphthalene
Concen: 48.635 ng
RT: 11.83 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	14.1	11.6	17.4

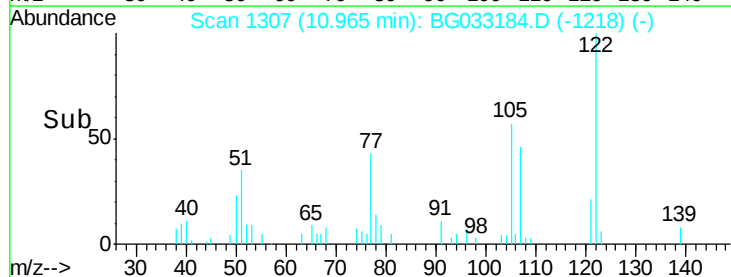
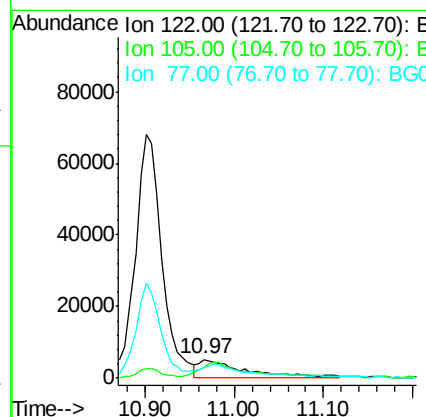
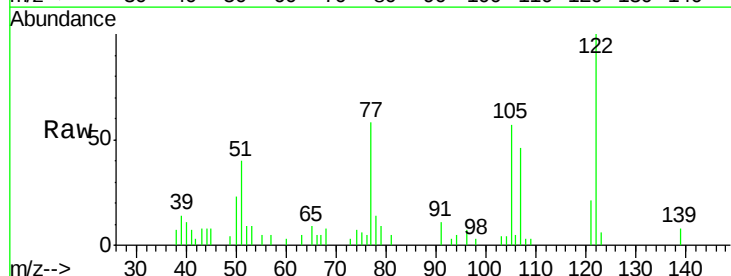
Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#32
Benzoic acid
Concen: 19.192 ng m
RT: 10.97 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
122	100		
105	57.4	123.5	163.5#
77	57.7	85.7	125.7#





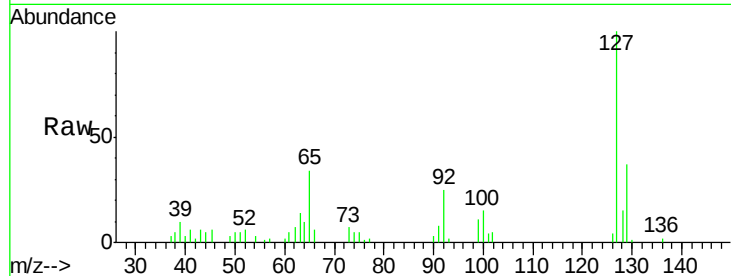
#33
4-Chloroaniline
Concen: 7.128 ng
RT: 11.93 min Scan# 1472
Delta R.T. 0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

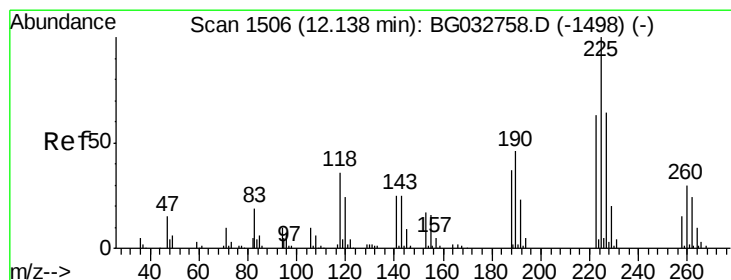
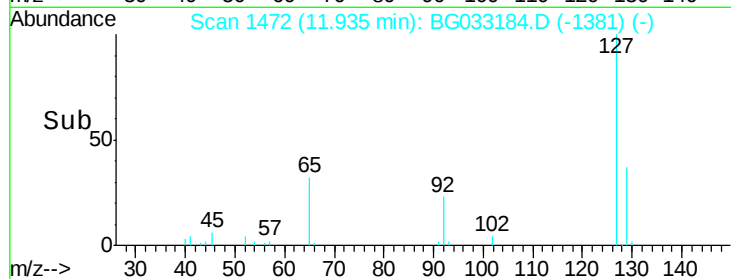
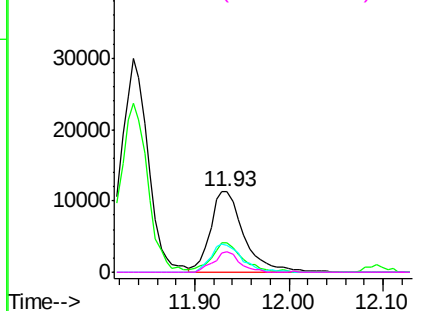
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		28412		
129	36.9	24.0	36.0		
65	34.2	27.0	40.4		
92	24.9	16.6	25.0		

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM

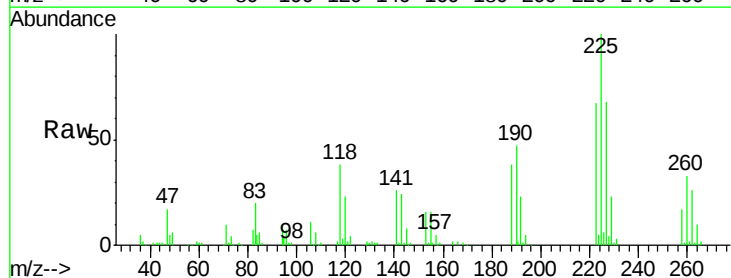


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

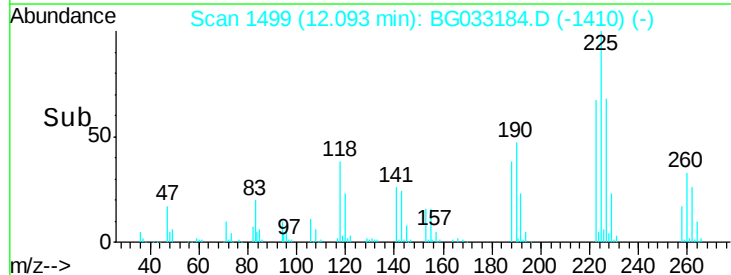
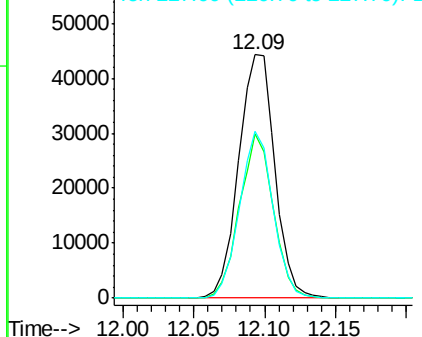


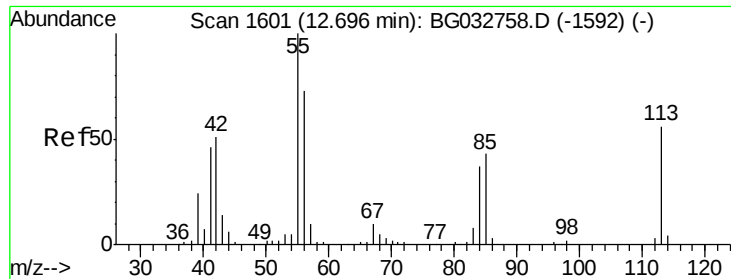
#34
Hexachlorobutadiene
Concen: 51.151 ng
RT: 12.09 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		79405		
223	67.5	49.7	74.5		
227	68.3	48.1	72.1		



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: 41.598 ng

RT: 12.68 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

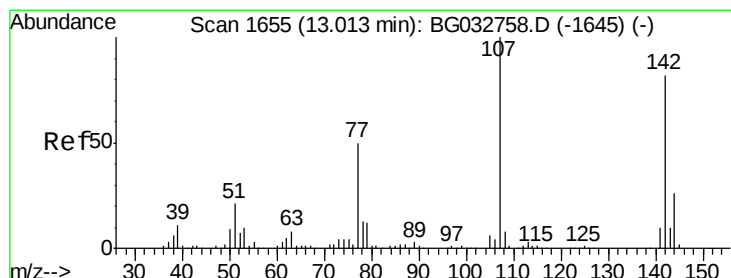
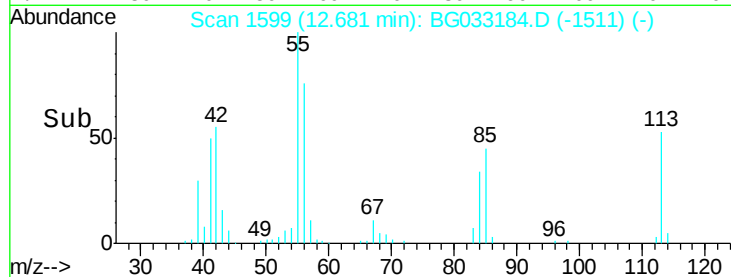
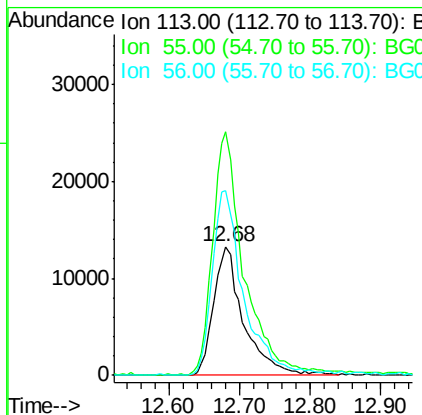
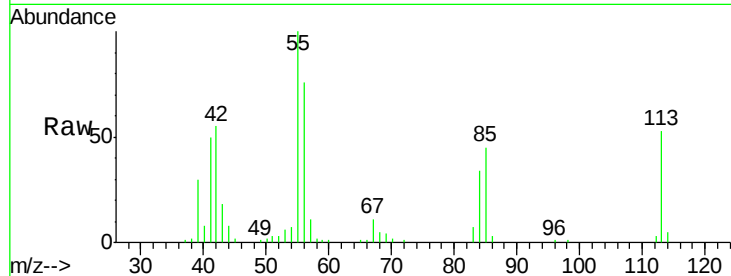
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	113	Resp:	39325
Ion Ratio	Lower	Upper	
113	100		
55	189.6	186.9	226.9
56	144.3	130.9	170.9

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#36

4-Chloro-3-methylphenol

Concen: 60.443 ng

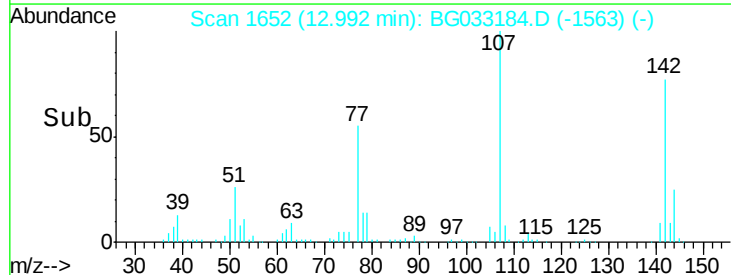
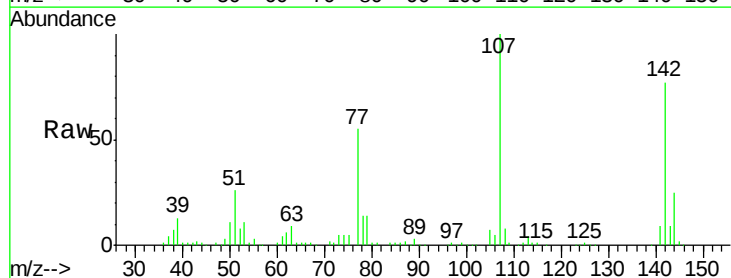
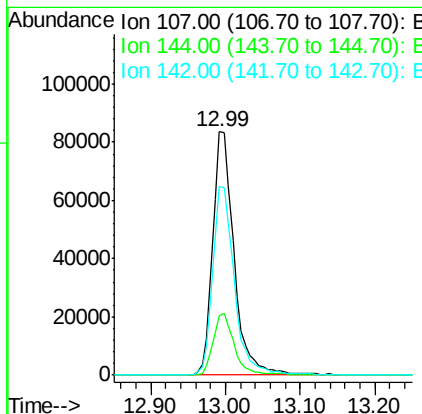
RT: 12.99 min Scan# 1652

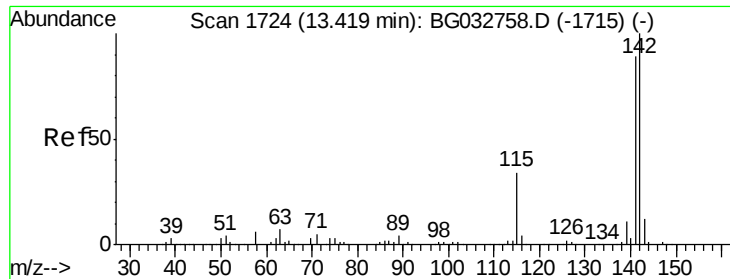
Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	107	Resp:	166066
Ion Ratio	Lower	Upper	
107	100		
144	24.6	18.2	27.4
142	77.5	59.0	88.4





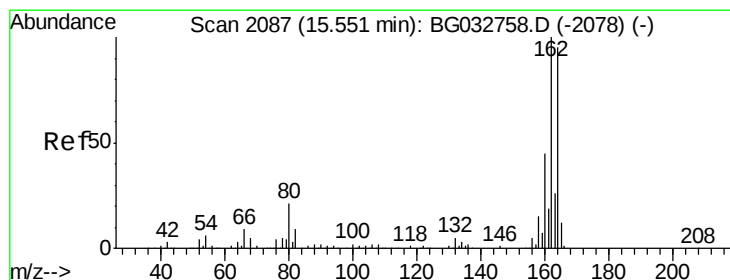
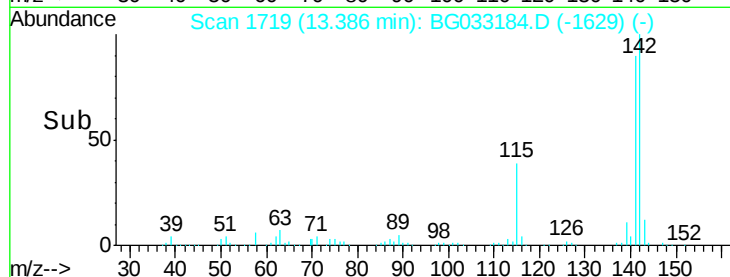
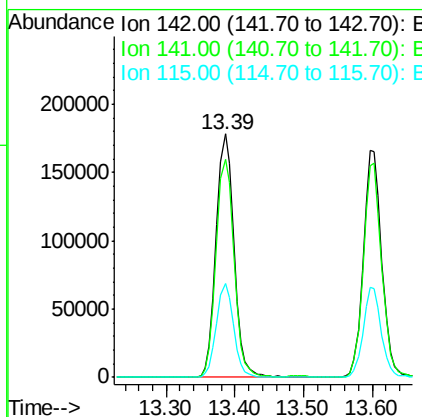
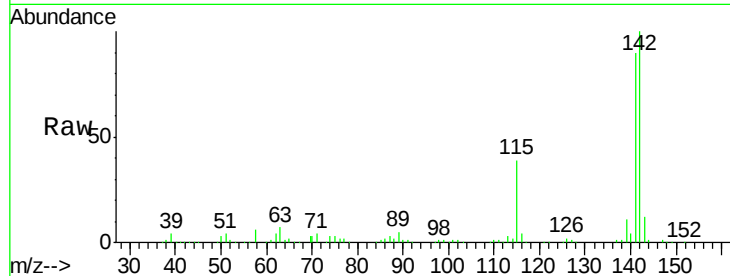
#37
2-Methylnaphthalene
Concen: 50.014 ng
RT: 13.39 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	67.1	100.7
115	38.7	30.7	46.1

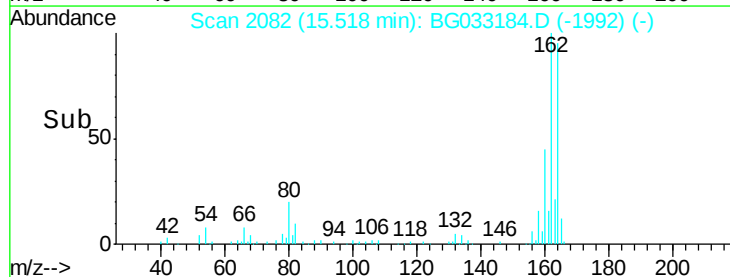
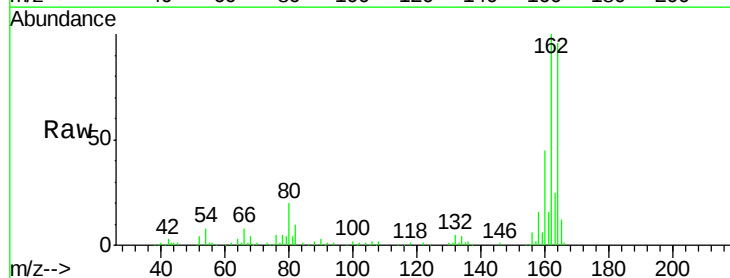
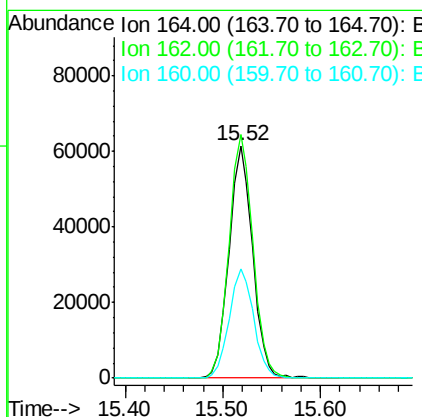
Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	78.8	118.2
160	47.2	35.4	53.0





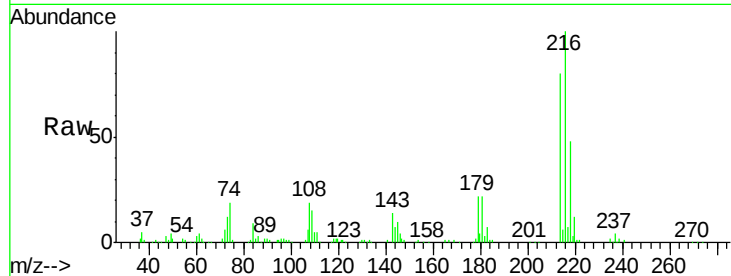
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.754 ng
 RT: 13.74 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

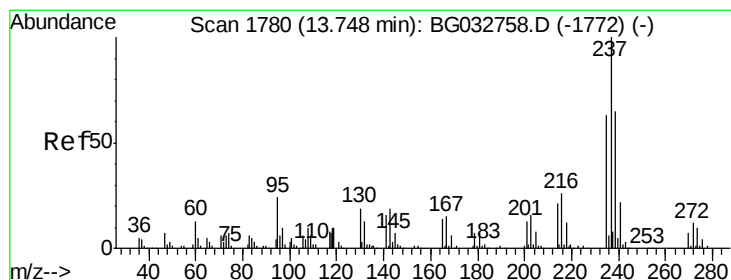
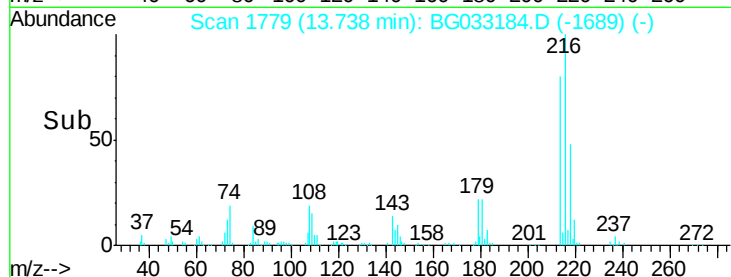
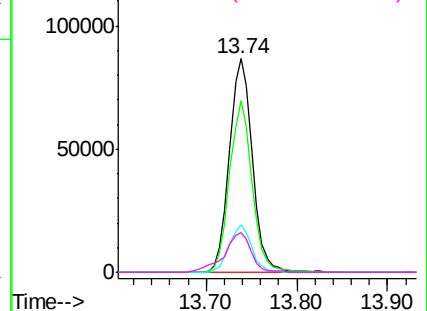
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.7	17.0	25.6
108	21.6	12.8	19.2

Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM

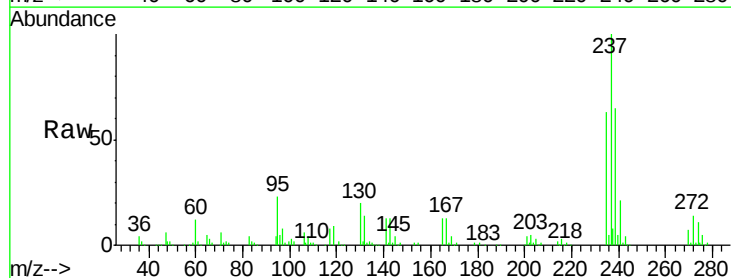


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

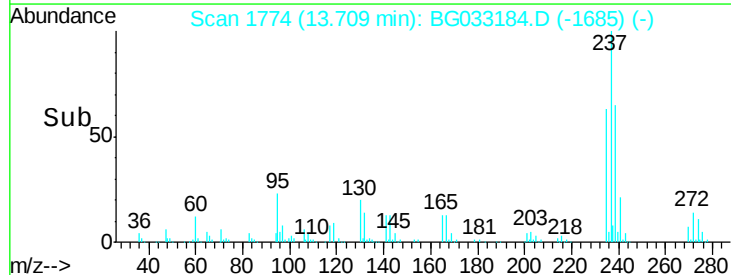
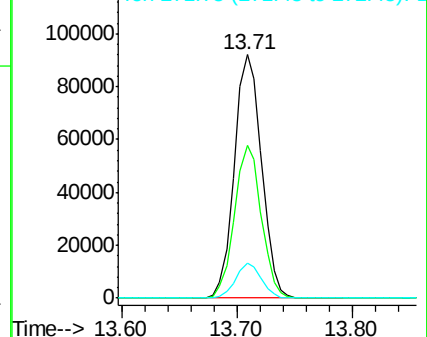


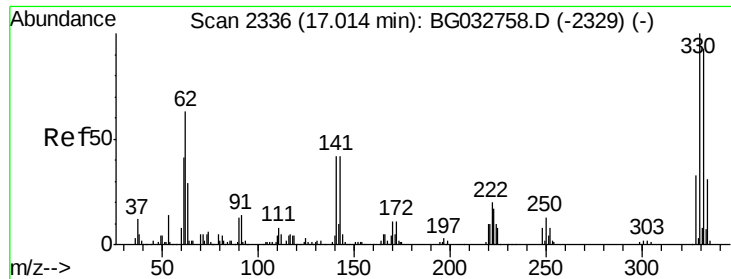
#40
 Hexachlorocyclopentadiene
 Concen: 95.880 ng
 RT: 13.71 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.9	50.4	90.4
272	14.3	0.0	31.8



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





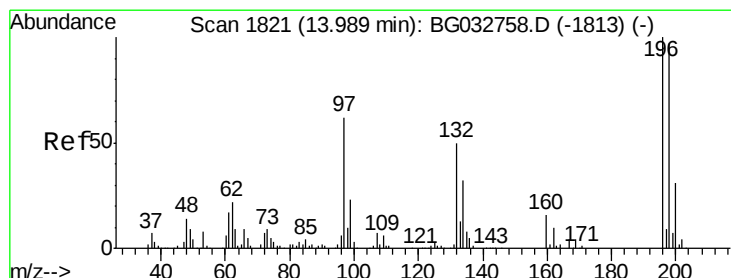
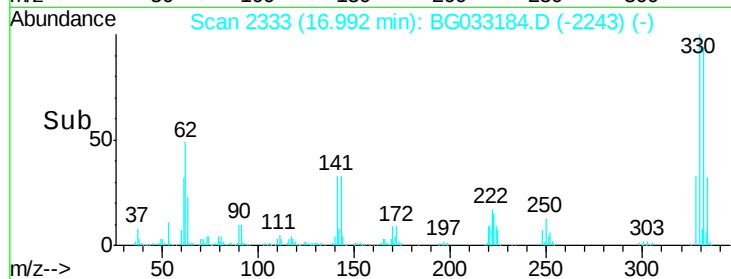
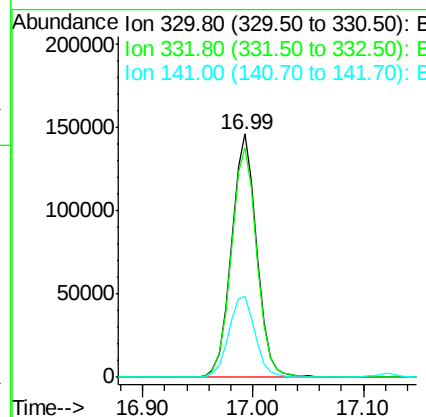
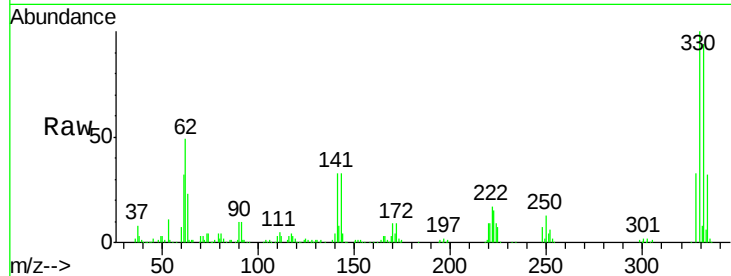
#41
 2,4,6-Tribromophenol
 Concen: 214.656 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	233170		
332	96.1	77.0	115.6	
141	35.0	25.2	37.8	

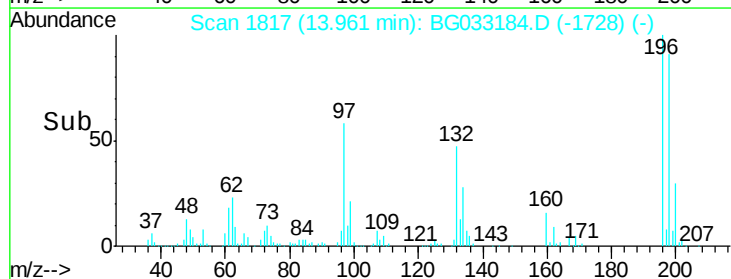
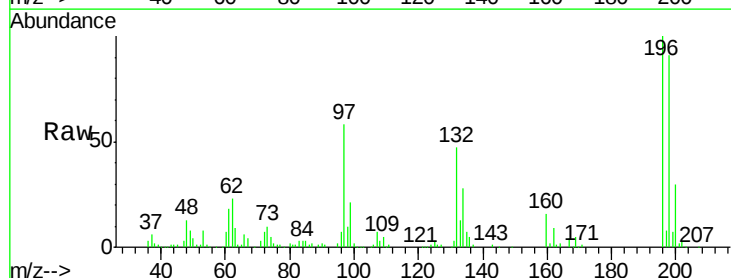
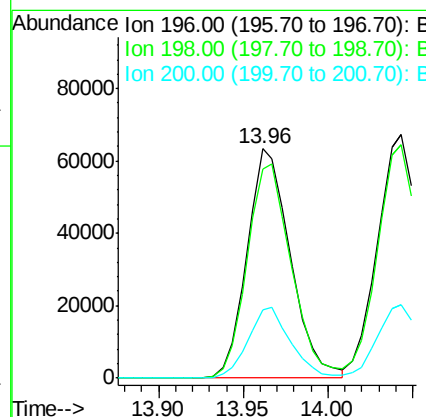
Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM



#42
 2,4,6-Trichlorophenol
 Concen: 58.408 ng
 RT: 13.96 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	112961		
198	91.1	78.2	117.2	
200	30.0	24.6	36.8	





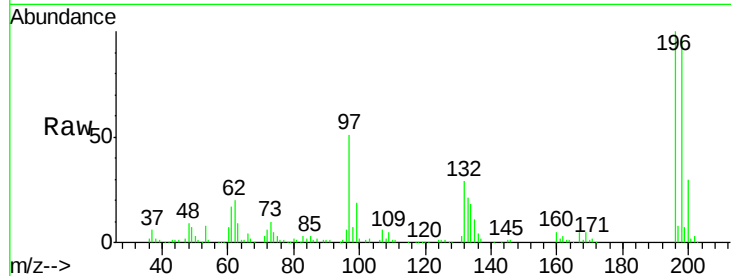
#43
 2,4,5-Trichlorophenol
 Concen: 56.533 ng
 RT: 14.04 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

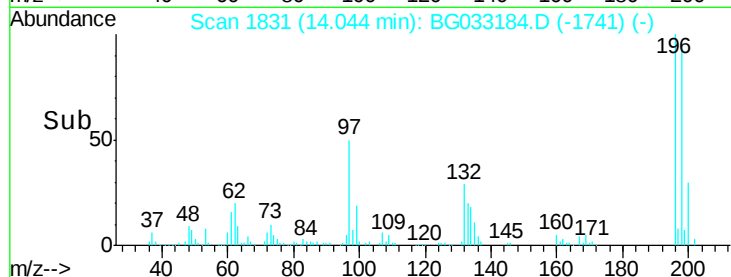
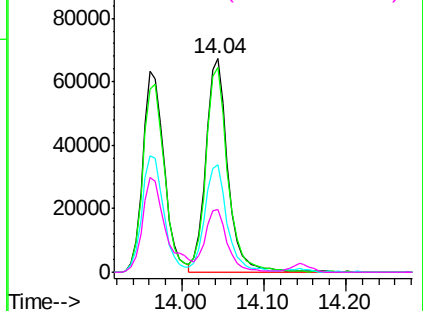
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		126541		
198	95.7	76.2	114.4		
97	50.6	38.7	58.1		
132	29.3	20.2	30.2		

Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM



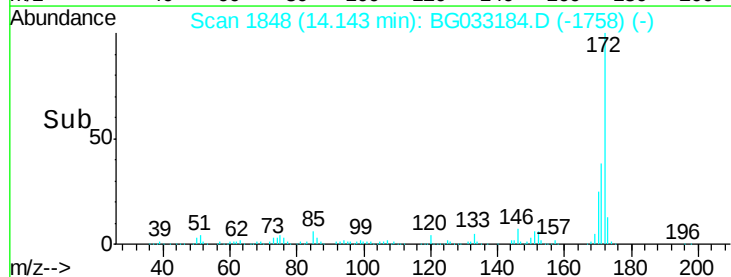
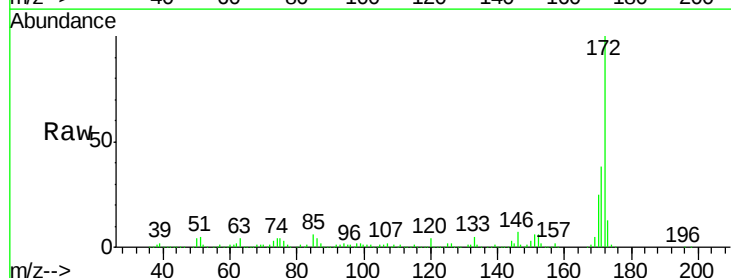
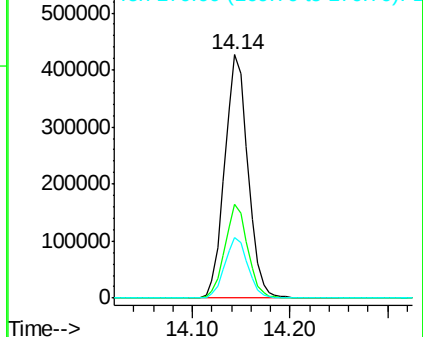
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 98.682 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		706855		
171	38.5	30.0	45.0		
170	25.1	19.5	29.3		

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





#45

1,1'-Biphenyl

Concen: 45.230 ng

RT: 14.35 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

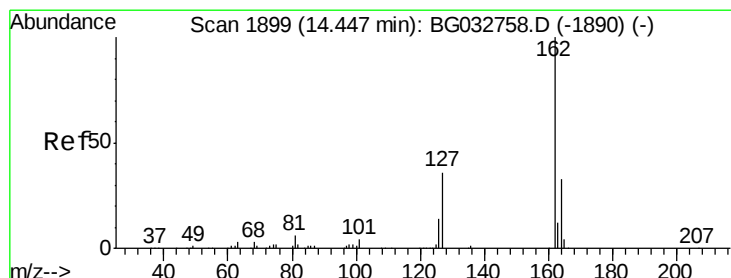
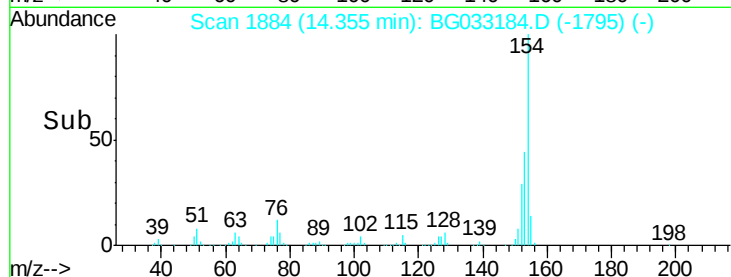
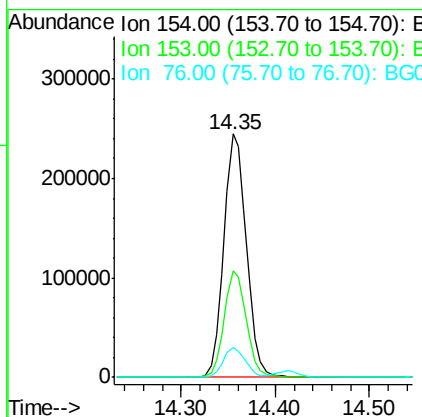
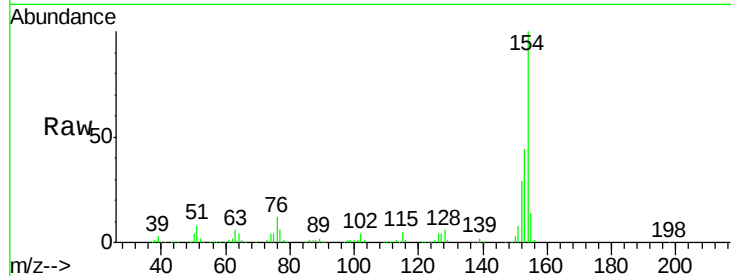
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	154	Resp:	408312
Ion Ratio		Lower	Upper
154	100		
153	43.7	19.8	59.8
76	12.2	0.0	31.9

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#46

2-Chloronaphthalene

Concen: 46.708 ng

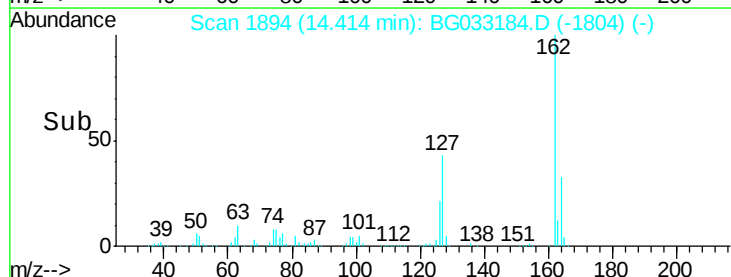
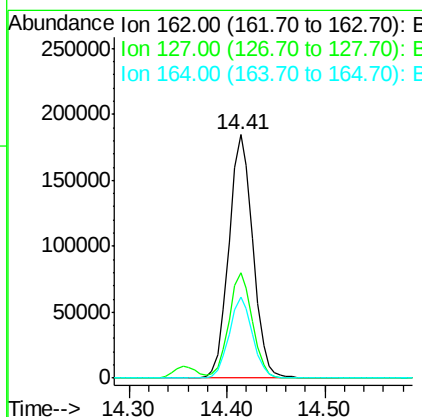
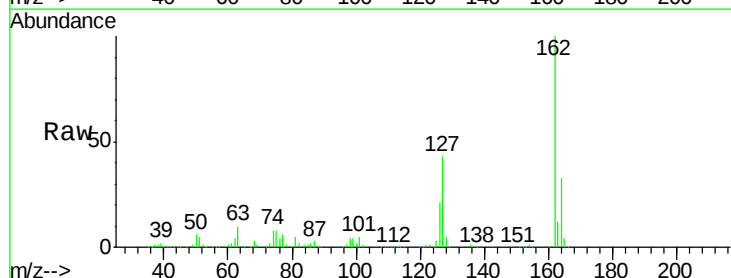
RT: 14.41 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	162	Resp:	314978
Ion Ratio		Lower	Upper
162	100		
127	43.3	30.7	46.1
164	33.3	26.0	39.0





#47

2-Nitroaniline

Concen: 63.577 ng

RT: 14.60 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

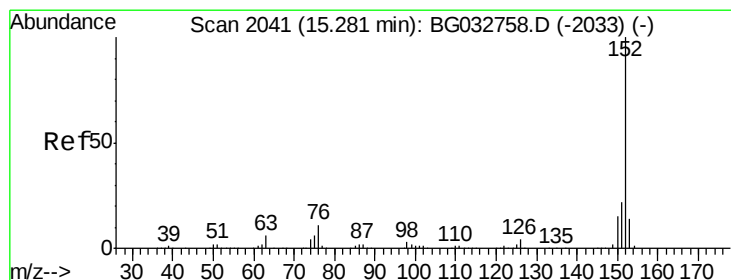
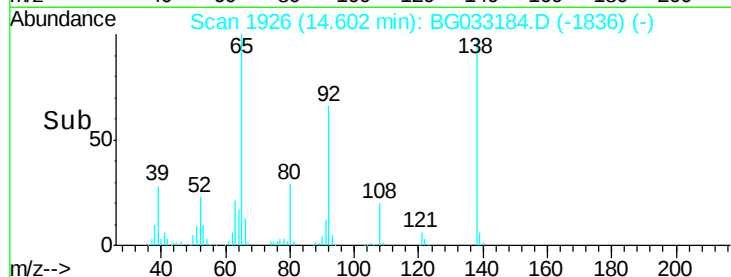
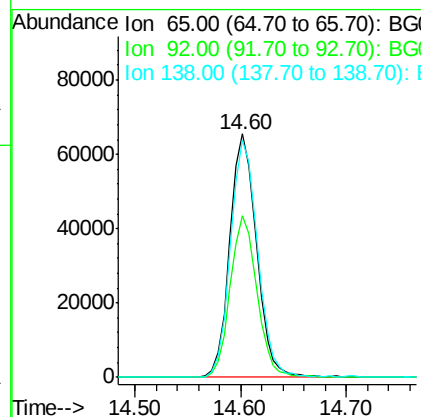
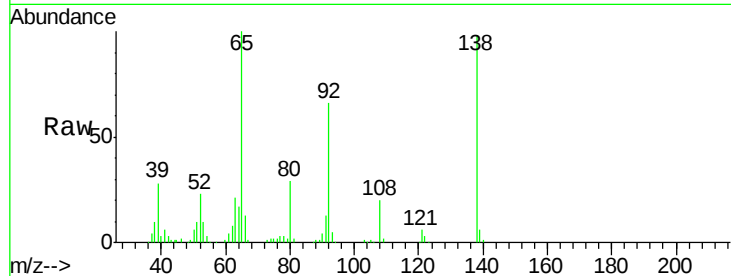
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	65	Resp:	114951
Ion Ratio	Lower	Upper	
65	100		
92	66.4	54.6	82.0
138	97.5	72.9	109.3

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#48

Acenaphthylene

Concen: 46.354 ng

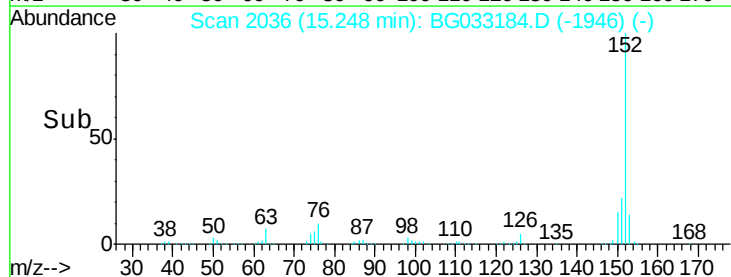
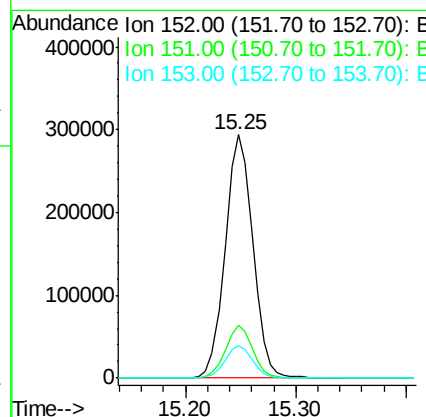
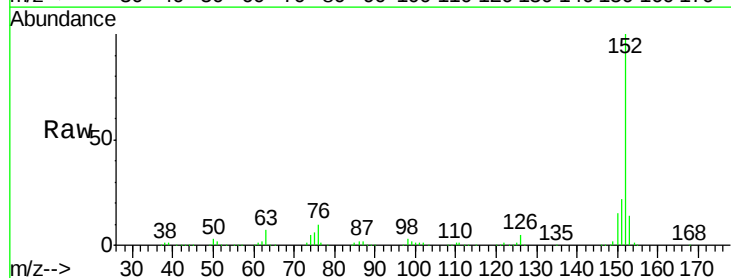
RT: 15.25 min Scan# 2036

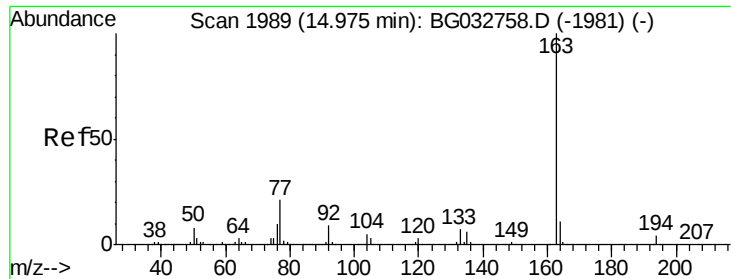
Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	152	Resp:	511779
Ion Ratio	Lower	Upper	
152	100		
151	21.9	17.2	25.8
153	13.6	10.2	15.4





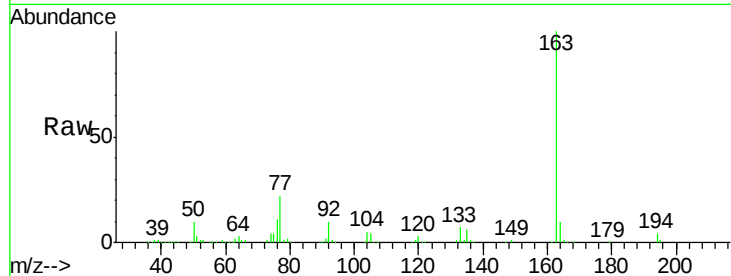
#49
Dimethylphthalate
Concen: 47.837 ng
RT: 14.94 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

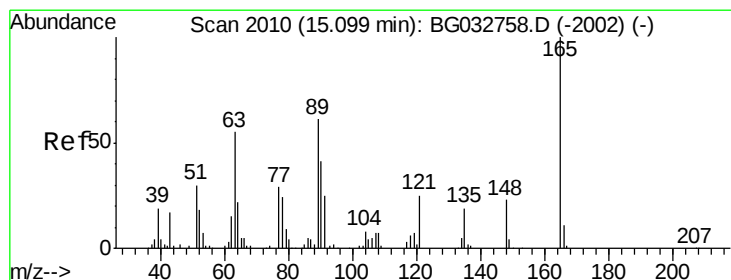
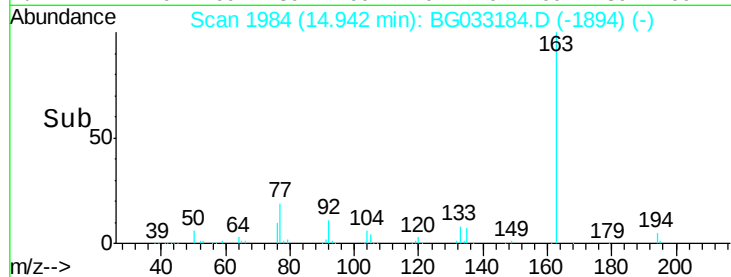
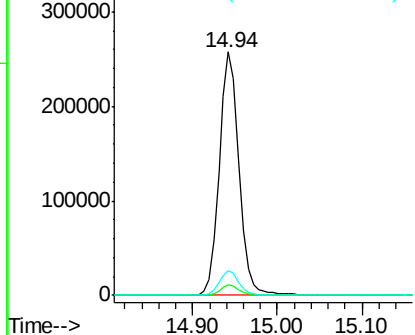
Tot Ion	Ratio	Resp	Lower	Upper
163	100	419619		
194	4.4		3.4	5.2
164	10.4		8.2	12.4

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM

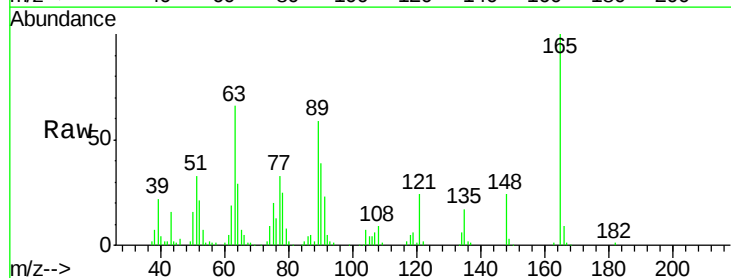


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

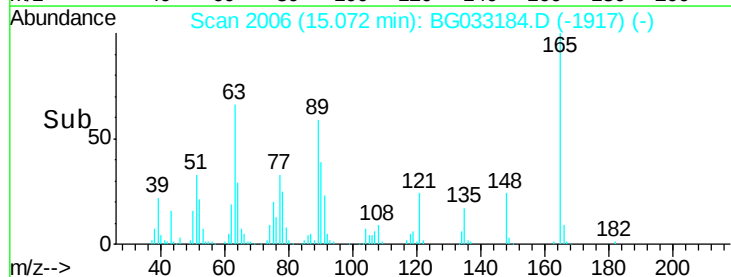
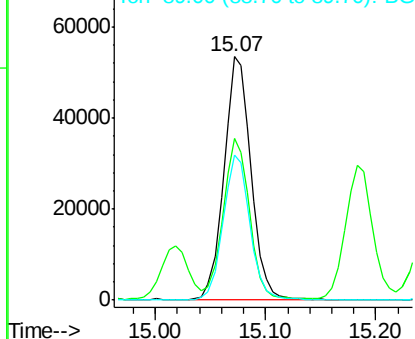


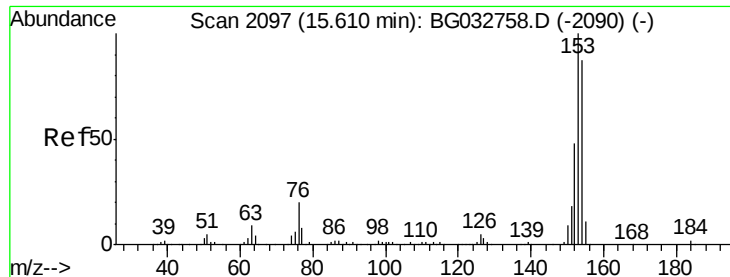
#50
2,6-Dinitrotoluene
Concen: 60.097 ng
RT: 15.07 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	91251		
63	66.2		52.7	79.1
89	59.3		49.2	73.8



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





#51

Acenaphthene

Concen: 46.656 ng

RT: 15.58 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

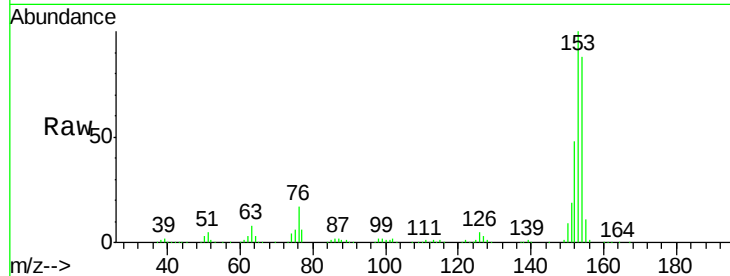
ClientSampleId :

OILY-SOIL-124029MSD

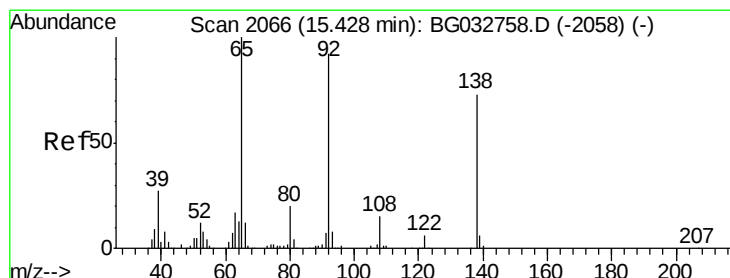
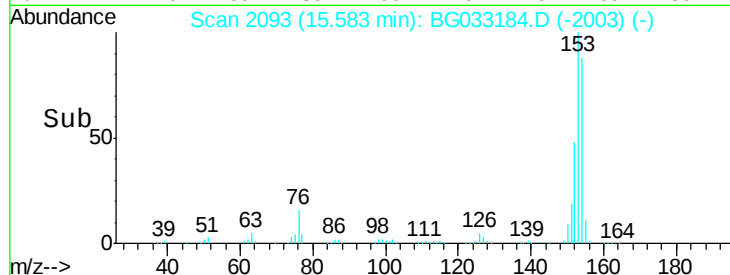
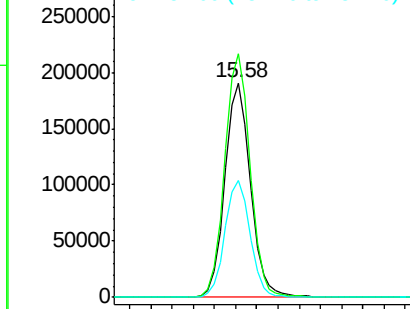
Tot Ion:	154	Resp:	320804
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.4	135.6
152	54.6	41.6	62.4

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



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



#52

3-Nitroaniline

Concen: 20.825 ng

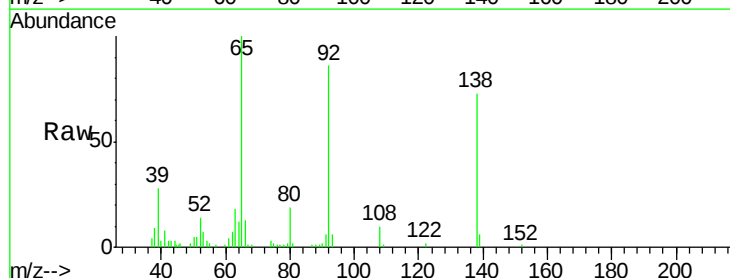
RT: 15.41 min Scan# 2063

Delta R.T. -0.01 min

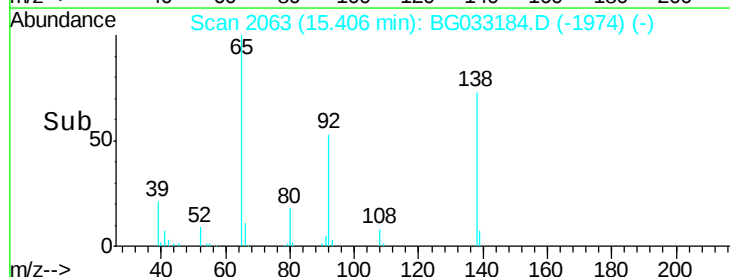
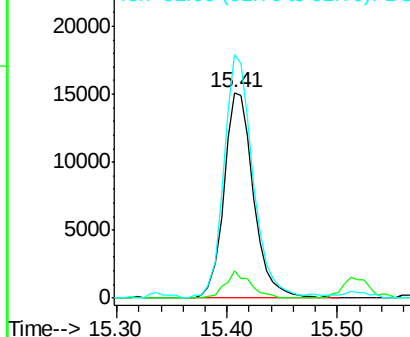
Lab File: BG033184.D

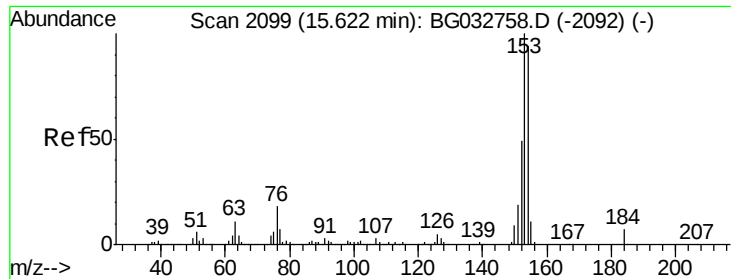
Acq: 15 Mar 2018 19:46

Tgt Ion:	138	Resp:	28304
Ion Ratio	Lower	Upper	
138	100		
108	13.3	17.5	26.3#
92	118.4	105.8	158.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC





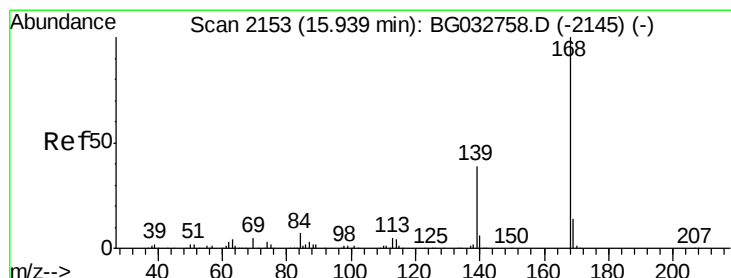
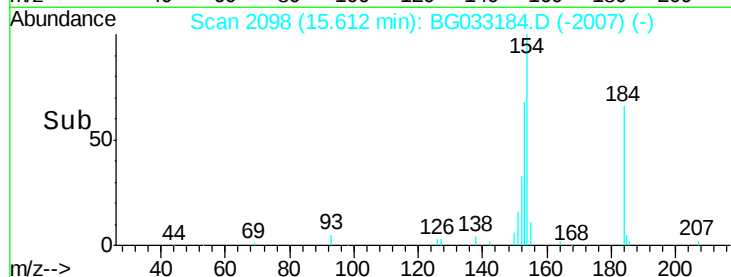
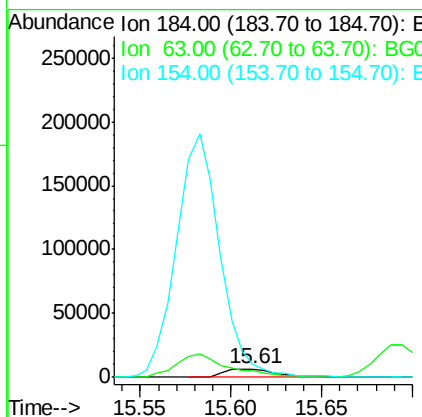
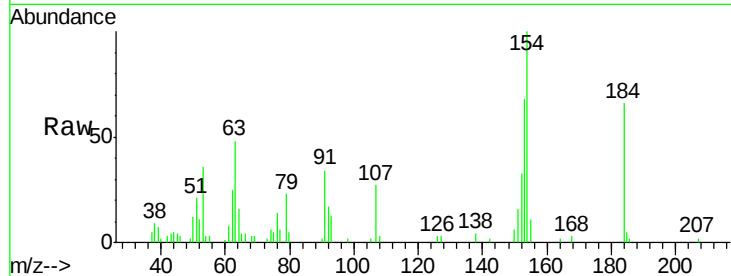
#53
2,4-Dinitrophenol
Concen: 37.525 ng
RT: 15.61 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	73.6	59.8	89.8
154	151.8	101.8	152.8

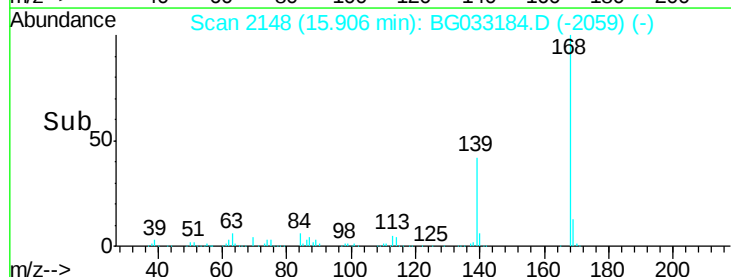
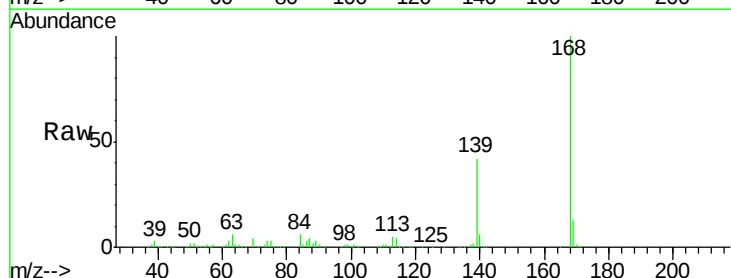
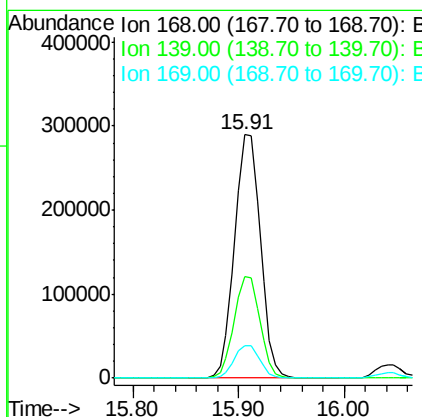
Manual Integrations
APPROVED

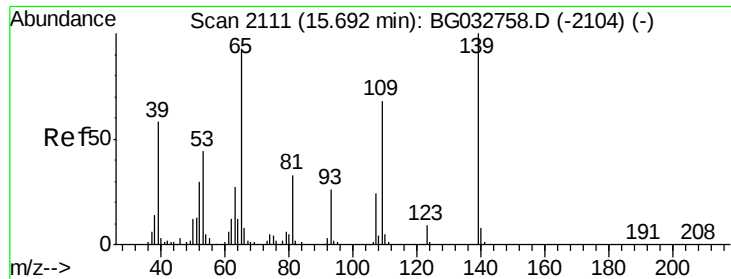
Sohil
3/16/2018 12:07:31 PM



#54
Dibenzofuran
Concen: 50.106 ng
RT: 15.91 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.8	28.6	43.0
169	13.1	11.2	16.8





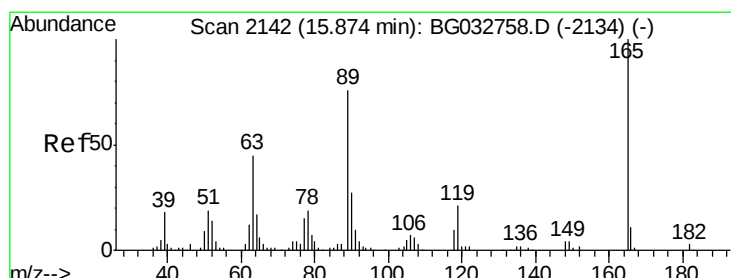
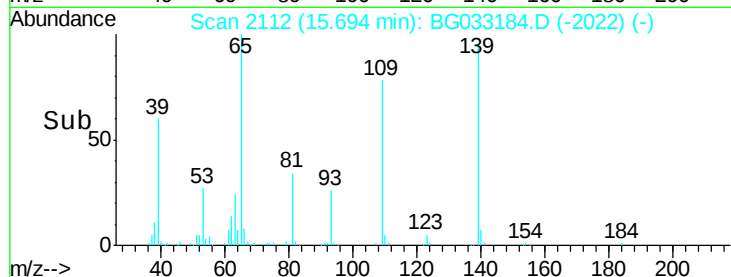
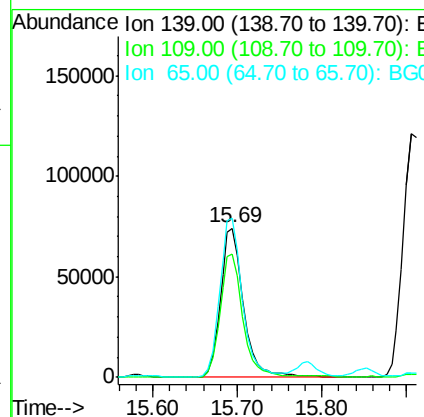
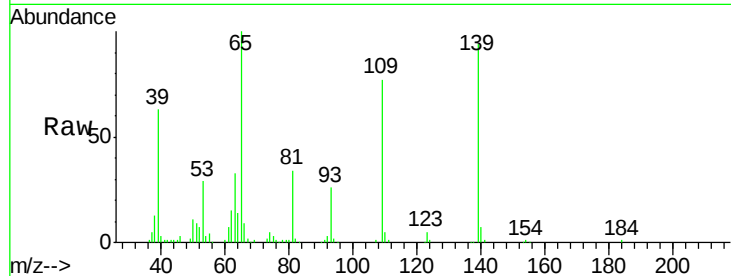
#55
4-Nitrophenol
Concen: 96.887 ng
RT: 15.69 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	141528		
109	82.2	62.2	102.2	
65	106.2	97.2	137.2	

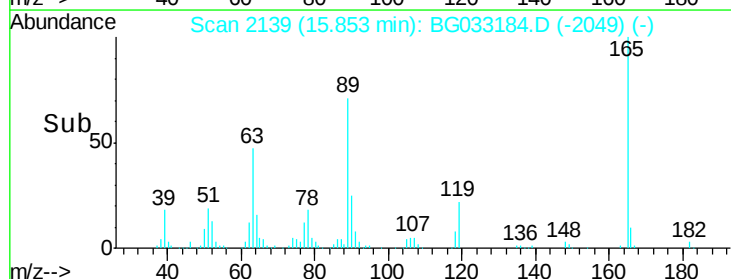
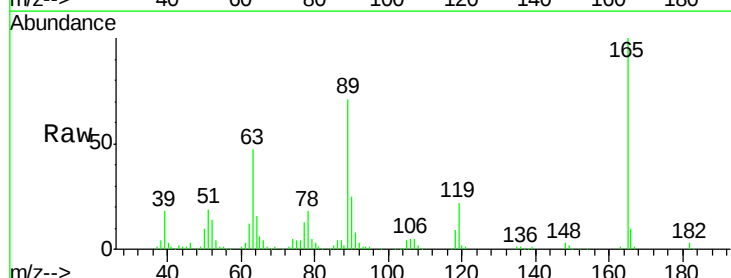
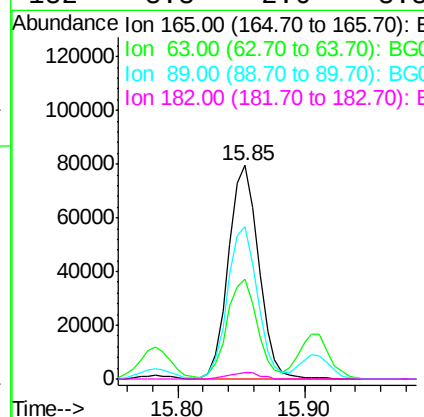
Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#56
2,4-Dinitrotoluene
Concen: 68.984 ng
RT: 15.85 min Scan# 2139
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	131514		
63	47.0	42.0	63.0	
89	71.2	66.9	100.3	
182	3.3	2.6	3.8	





#57

Fluorene

Concen: 48.203 ng

RT: 16.55 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

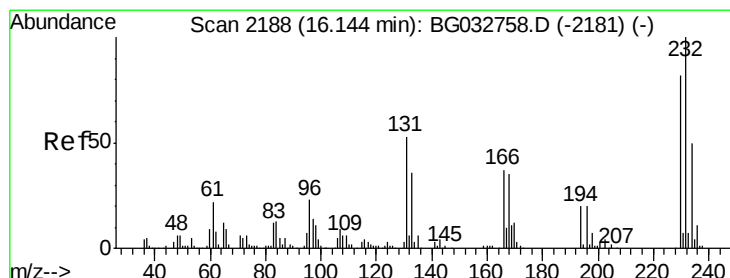
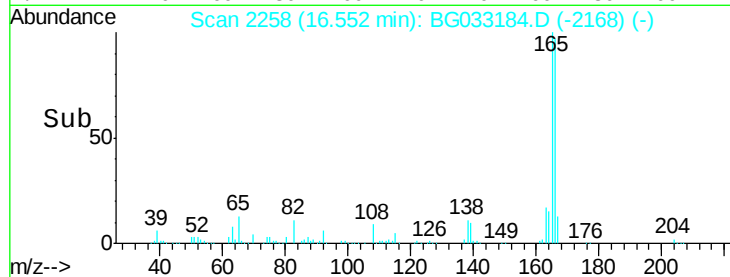
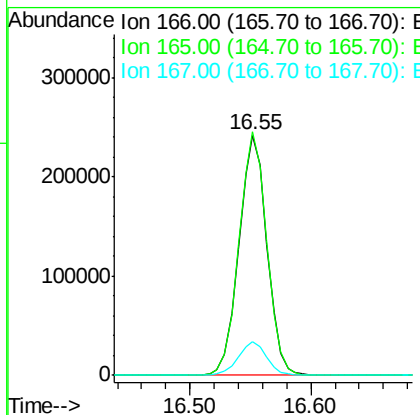
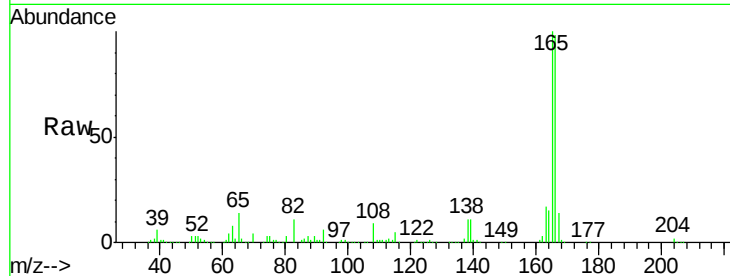
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	166	Resp:	389514
Ion Ratio	Lower	Upper	
166	100		
165	101.5	80.6	121.0
167	14.2	10.4	15.6

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 65.837 ng

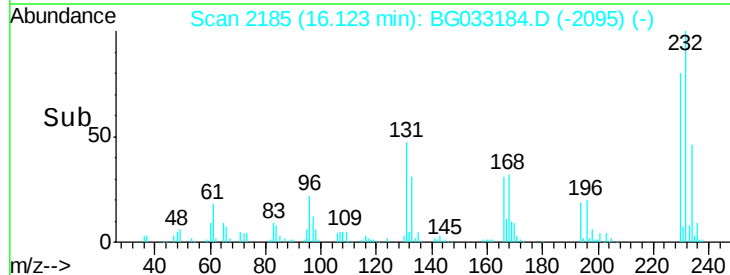
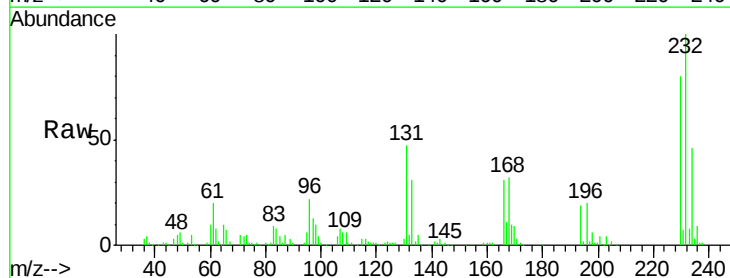
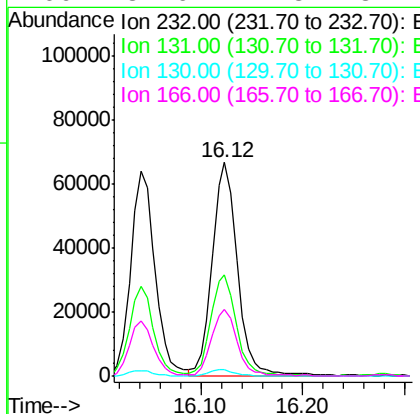
RT: 16.12 min Scan# 2185

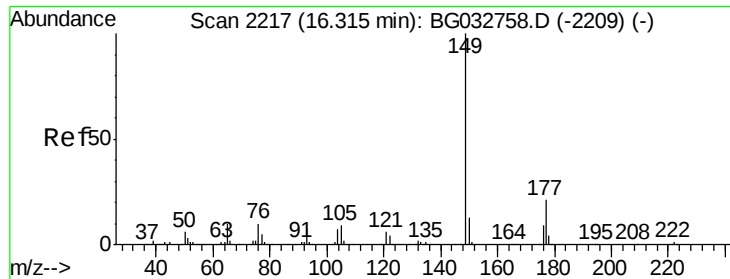
Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	232	Resp:	114415
Ion Ratio	Lower	Upper	
232	100		
131	48.4	33.5	50.3
130	2.9	2.2	3.2
166	31.6	24.8	37.2





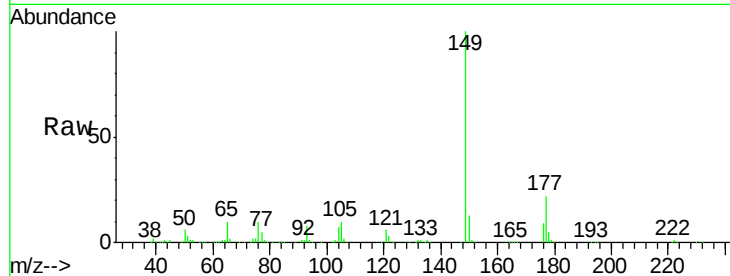
#59
Diethylphthalate
Concen: 47.486 ng
RT: 16.28 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

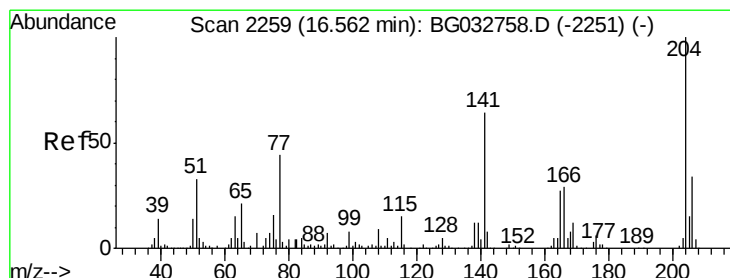
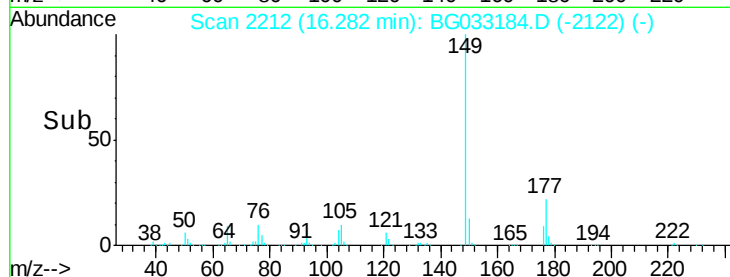
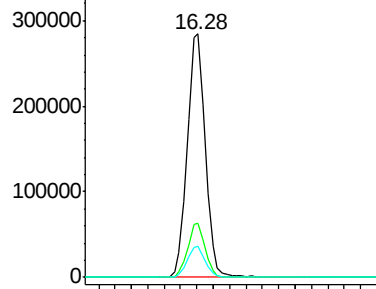
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.5	27.7
150	12.6	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM

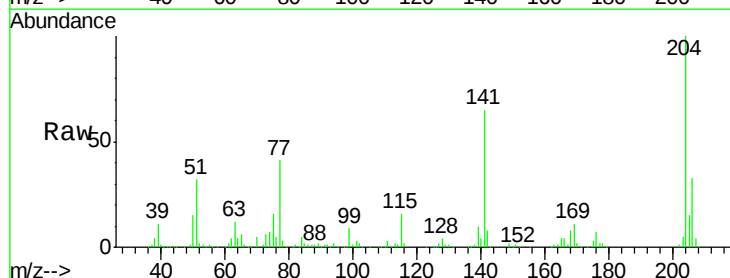


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

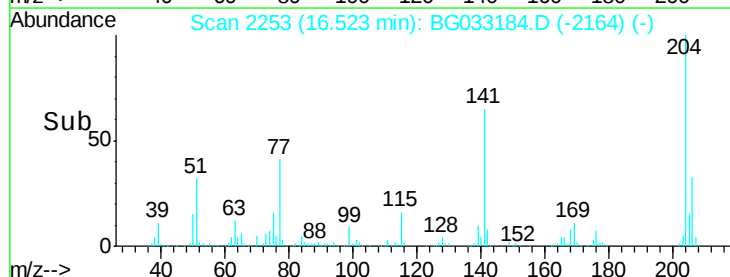
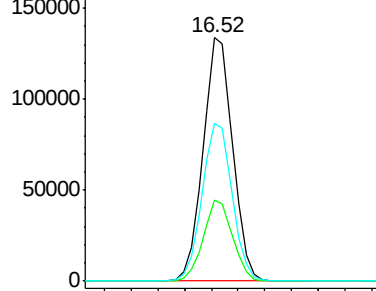


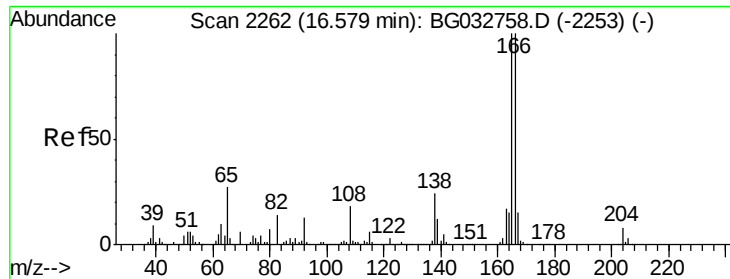
#60
4-Chlorophenyl-phenylether
Concen: 52.096 ng
RT: 16.52 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	65.0	45.8	68.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 39.668 ng

RT: 16.56 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:138 Resp: 73364

Ion Ratio Lower Upper

138 100

92 52.8 40.1 80.1

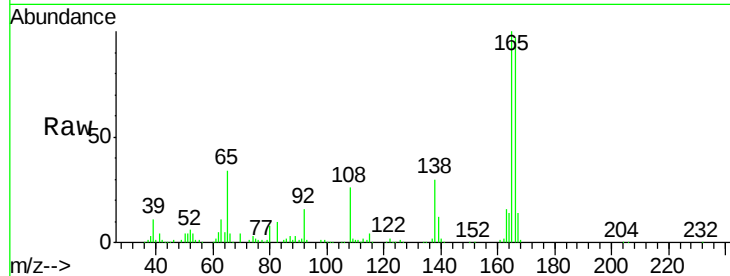
108 89.3 65.4 105.4

Manual Integrations

APPROVED

Sohil

3/16/2018 12:07:31 PM



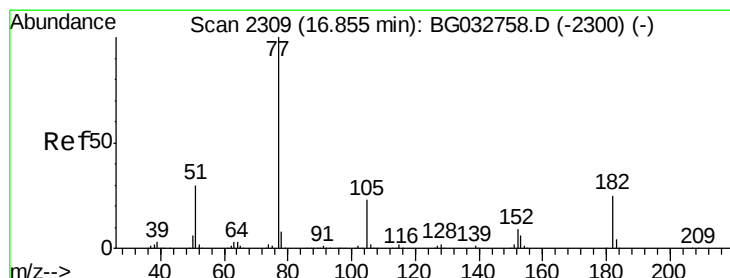
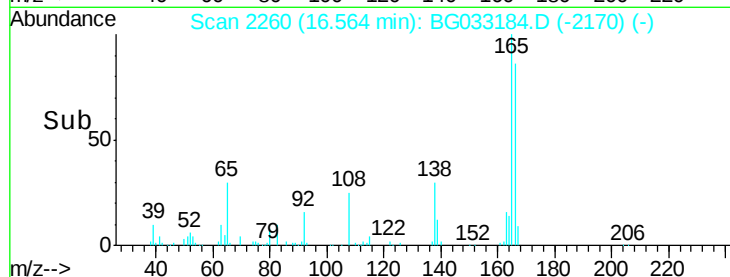
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

16.56

Time-->



#62

Azobenzene

Concen: 47.201 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion: 77 Resp: 390679

Ion Ratio Lower Upper

77 100

182 26.6 7.4 47.4

105 22.6 0.3 40.3

51 37.0 11.6 51.6

Abundance Ion 77.00 (76.70 to 77.70): BGC

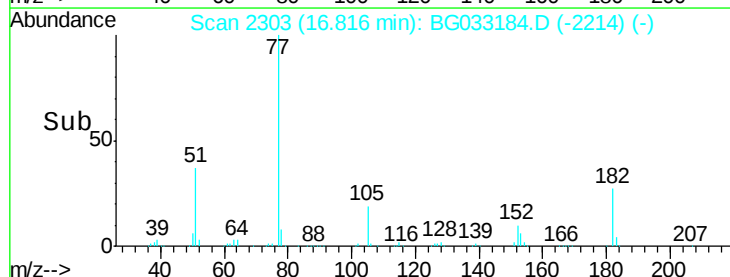
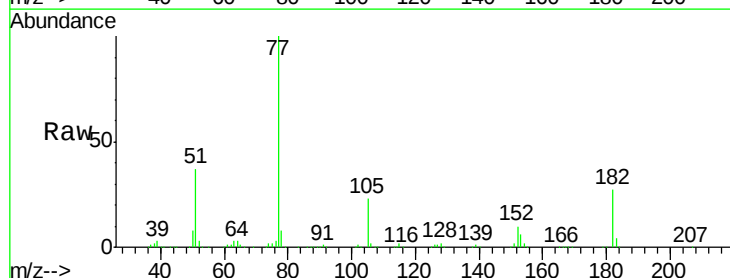
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

16.82

Time-->





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2546

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

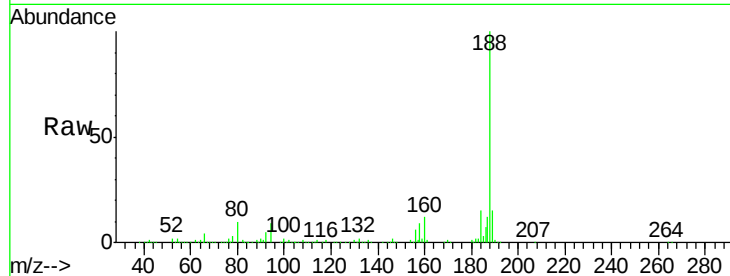
ClientSampleId :

OILY-SOIL-124029MSD

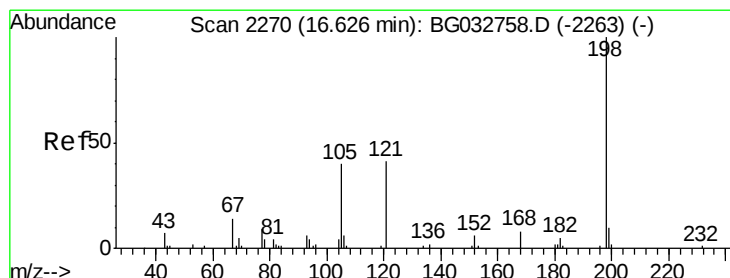
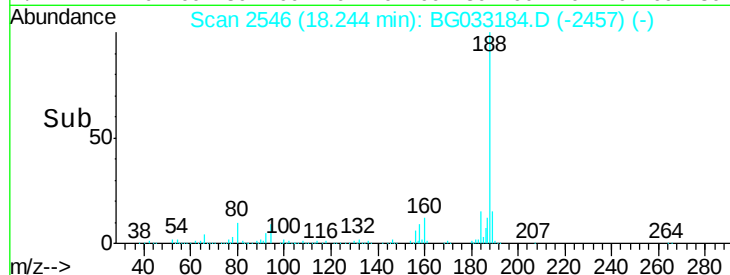
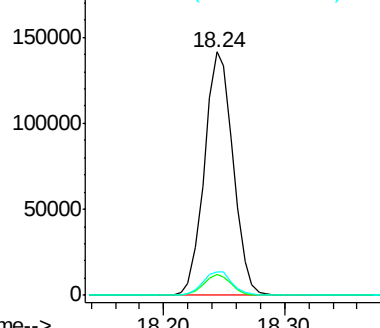
Tot Ion:	188	Resp:	233073
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.9	10.3
80	9.5	7.7	11.5

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 35.438 ng

RT: 16.60 min Scan# 2267

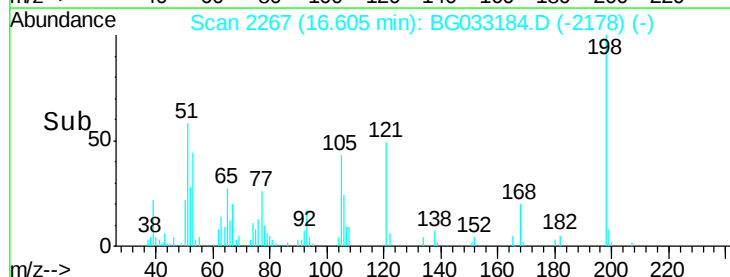
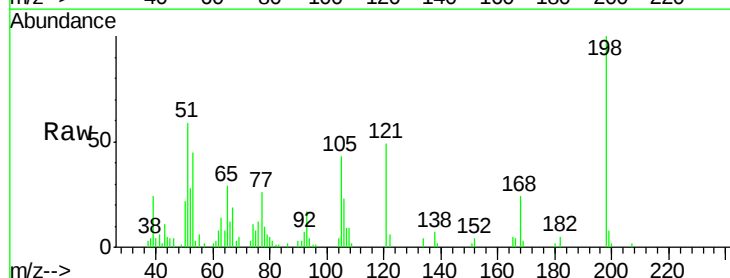
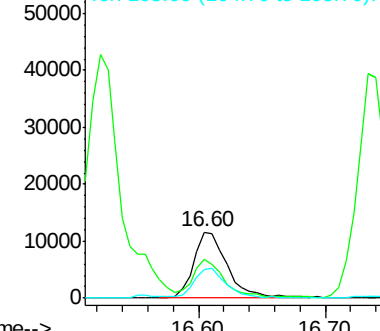
Delta R.T. -0.01 min

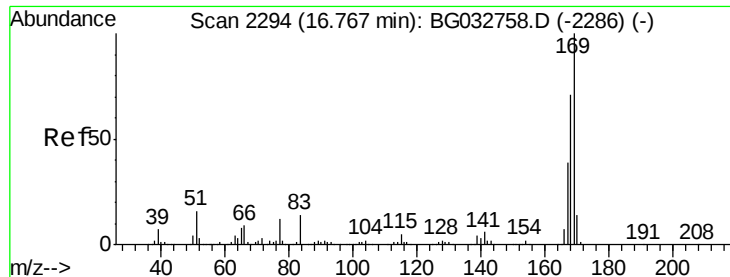
Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	198	Resp:	21149
Ion Ratio	Lower	Upper	
198	100		
51	58.9	30.6	70.6
105	42.8	23.8	63.8

Abundance Ion 198.00 (197.70 to 198.70): E





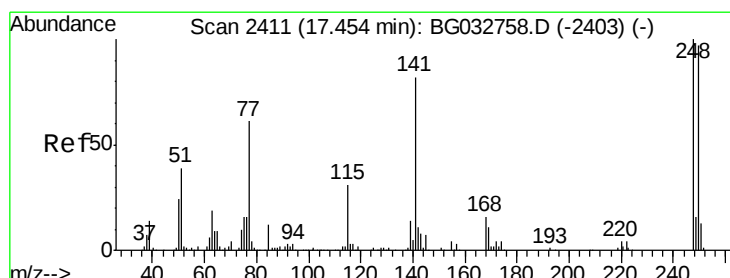
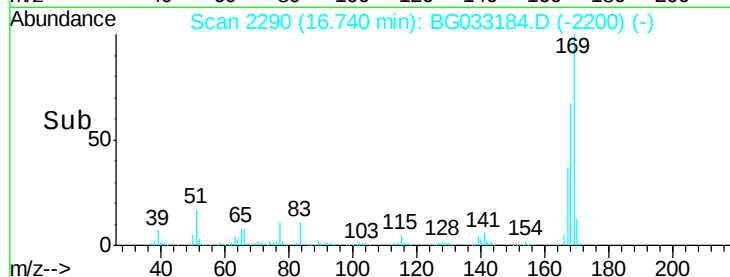
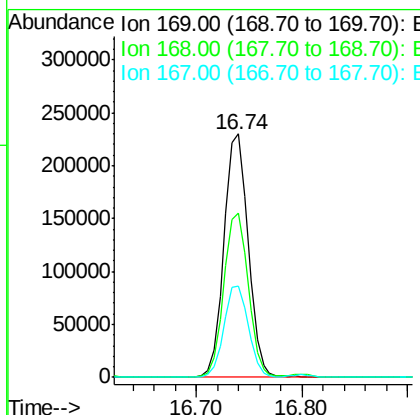
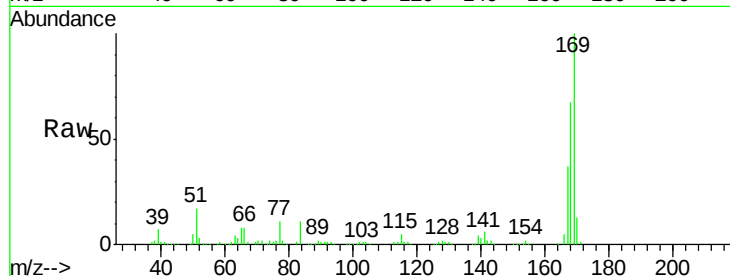
#65
n-Nitrosodiphenylamine
Concen: 48.184 ng
RT: 16.74 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.2	55.7	83.5
167	37.5	30.1	45.1

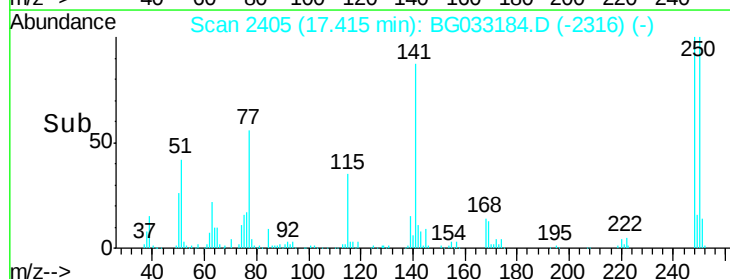
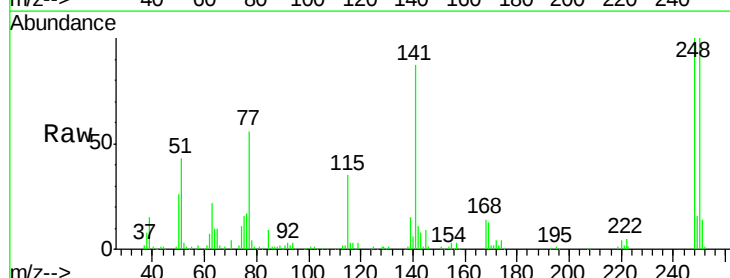
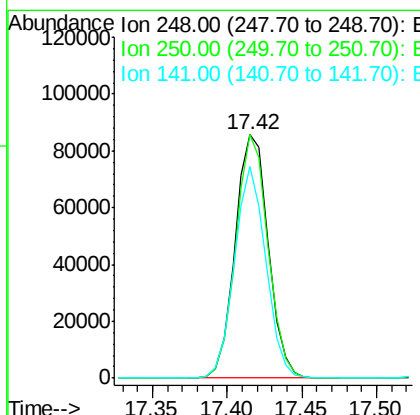
Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#66
4-Bromophenyl-phenylether
Concen: 53.669 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.8	77.1	115.7
141	86.8	50.8	76.2





#67

Hexachlorobenzene

Concen: 53.875 ng

RT: 17.54 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

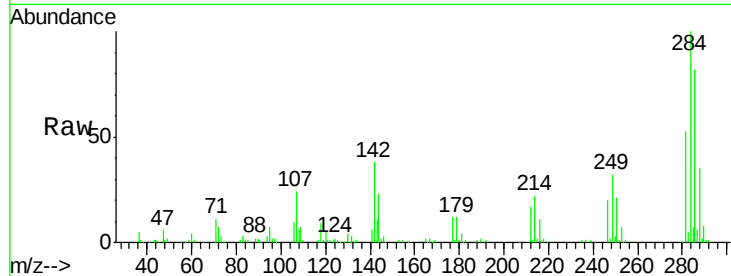
ClientSampleId :

OILY-SOIL-124029MSD

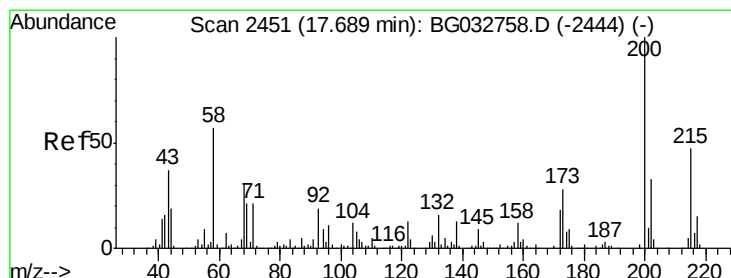
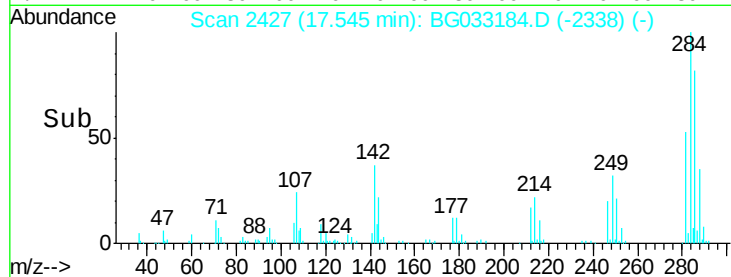
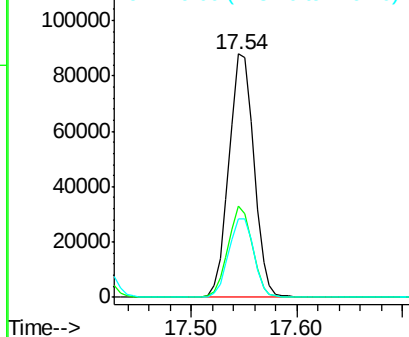
Tot Ion:	284	Resp:	143483
Ion Ratio	Lower	Upper	
284	100		
142	37.6	26.8	40.2
249	32.3	26.3	39.5

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 52.339 ng

RT: 17.66 min Scan# 2446

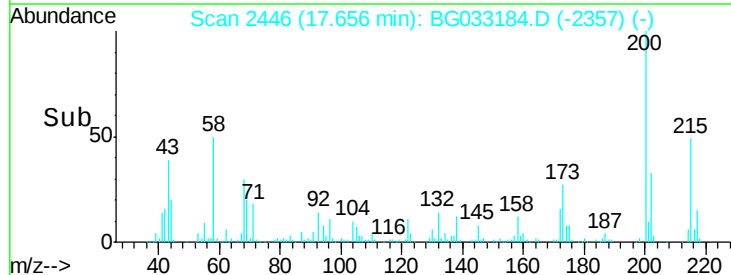
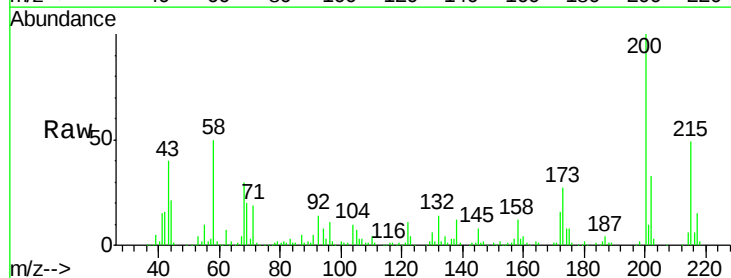
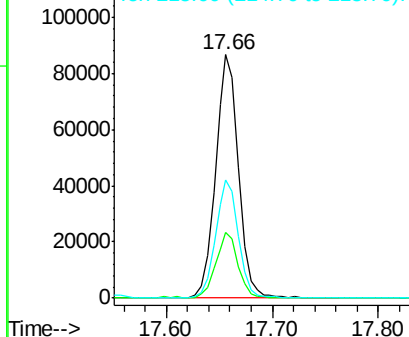
Delta R.T. -0.01 min

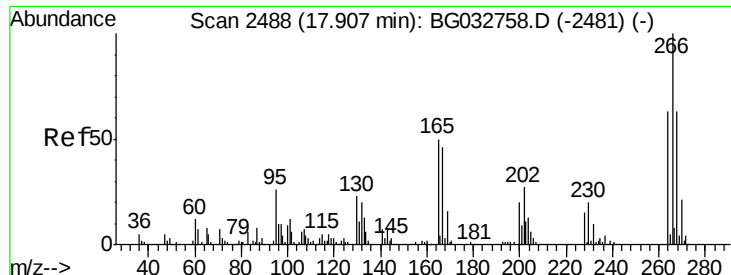
Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	200	Resp:	130626
Ion Ratio	Lower	Upper	
200	100		
173	27.1	5.2	45.2
215	48.6	30.4	70.4

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





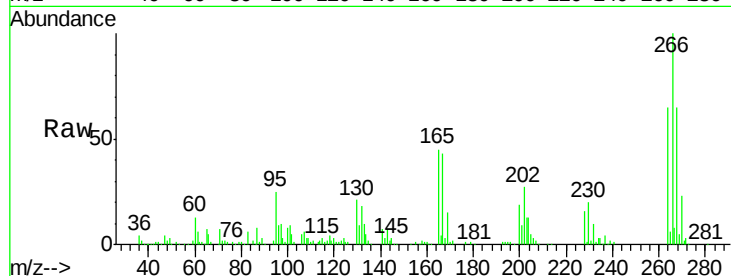
#69
 Pentachlorophenol
 Concen: 78.225 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.1	76.7
264	64.8	49.6	74.4

Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM

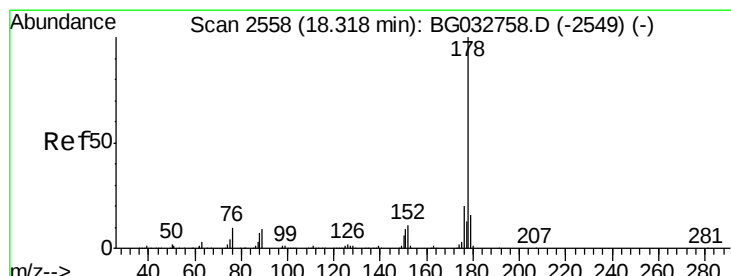
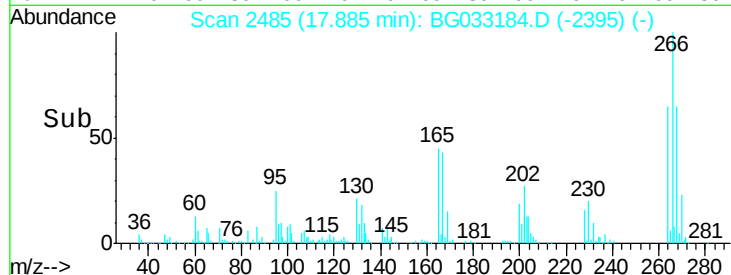
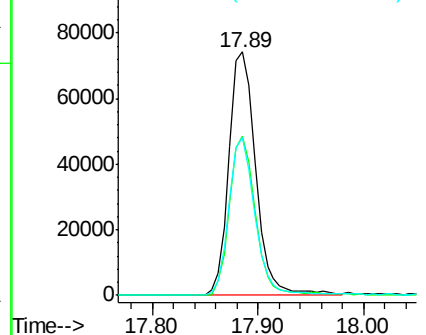


Abundance

Ion 265.70 (265.40 to 266.40): E

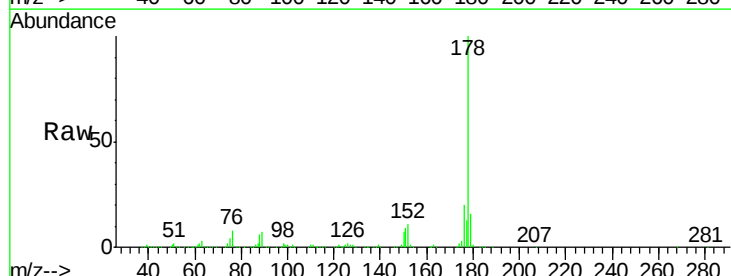
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 49.288 ng
 RT: 18.29 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.6	12.5	18.7

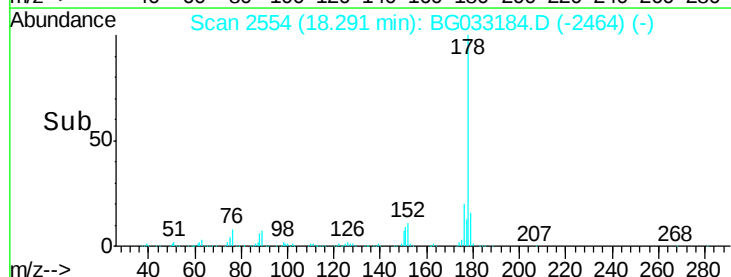
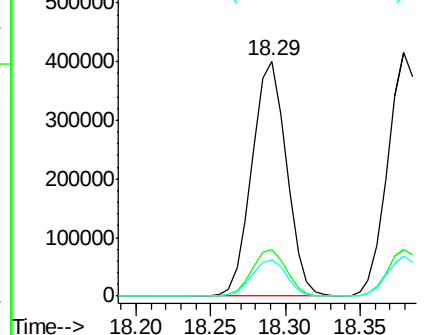


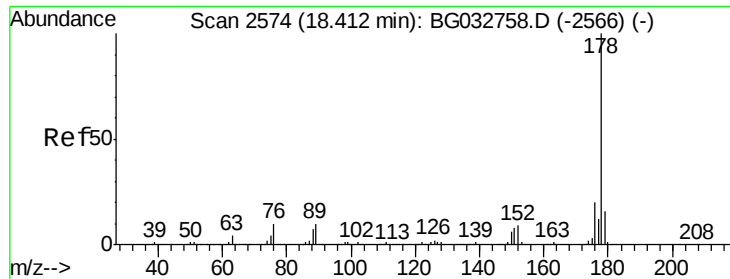
Abundance

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





#71

Anthracene

Concen: 49.846 ng

RT: 18.38 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

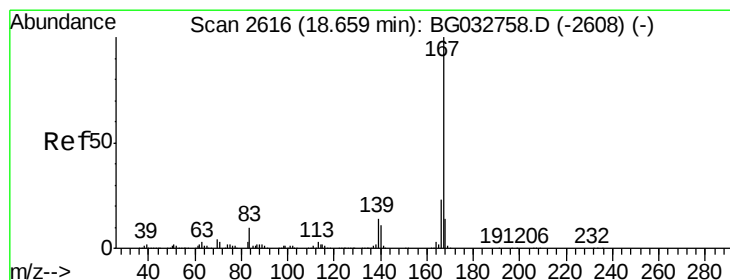
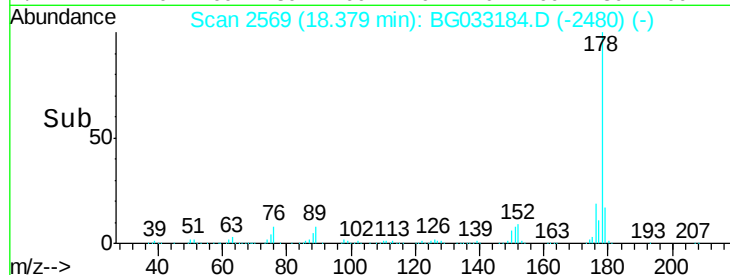
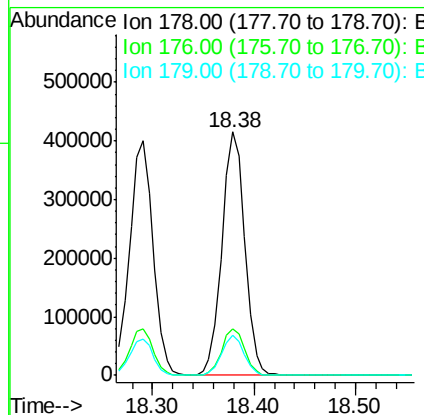
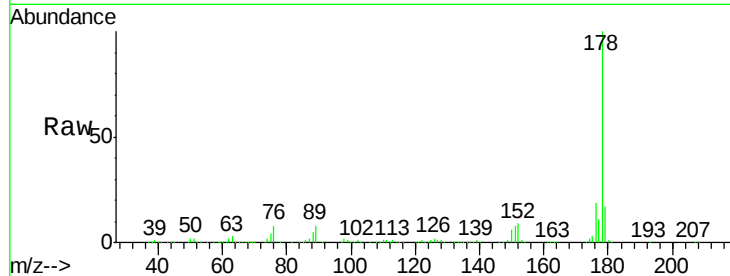
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	178	Resp:	650716
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.0	24.0
179	16.5	12.5	18.7

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#72

Carbazole

Concen: 46.716 ng

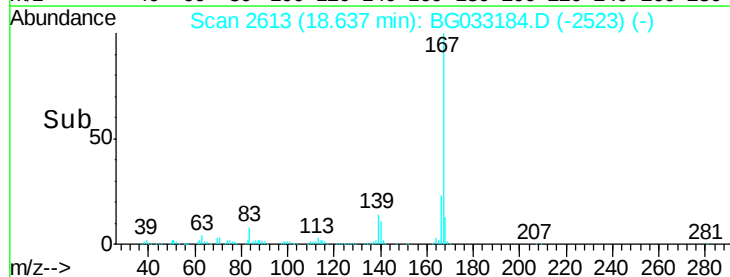
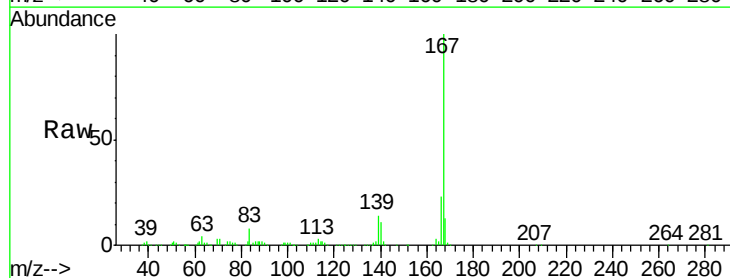
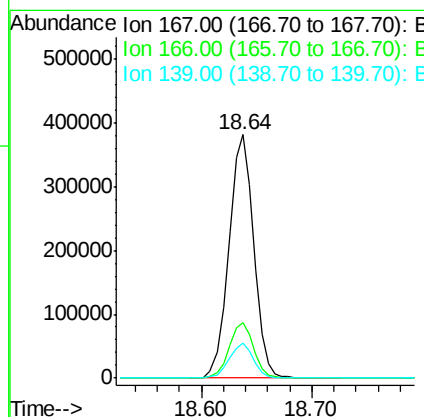
RT: 18.64 min Scan# 2613

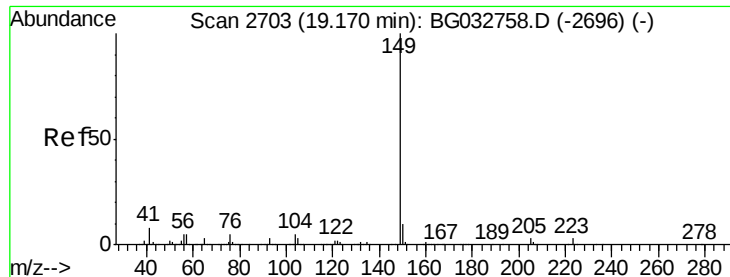
Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	167	Resp:	601110
Ion Ratio	Lower	Upper	
167	100		
166	22.6	18.2	27.4
139	14.3	9.4	14.2#





#73

Di-n-butylphthalate

Concen: 46.449 ng

RT: 19.13 min Scan# 2697

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

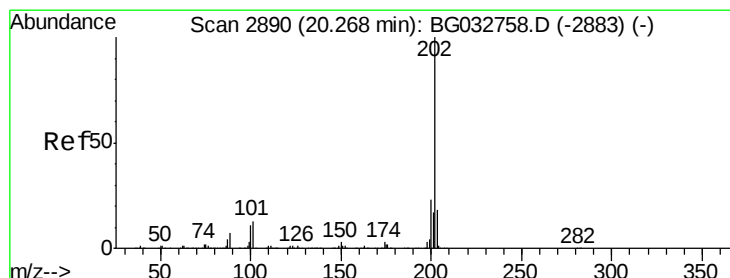
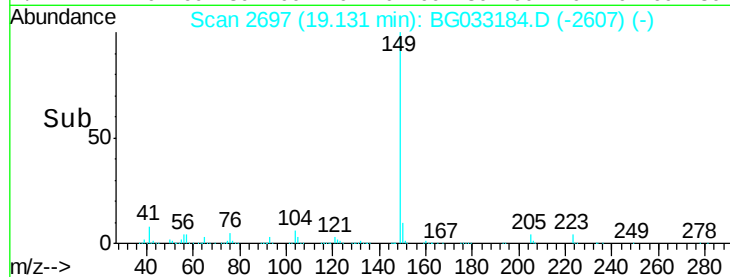
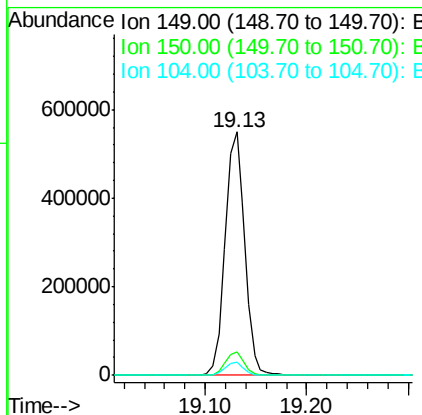
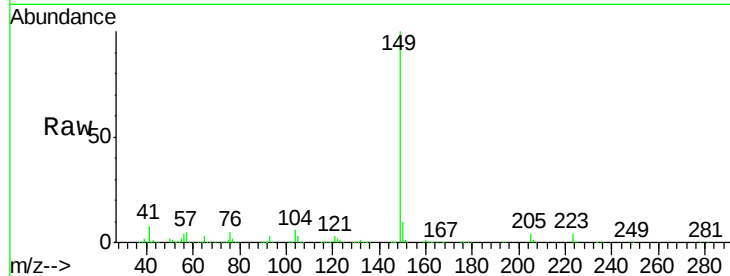
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	149	Resp:	733230
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	5.5	3.9	5.9

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#74

Fluoranthene

Concen: 51.055 ng

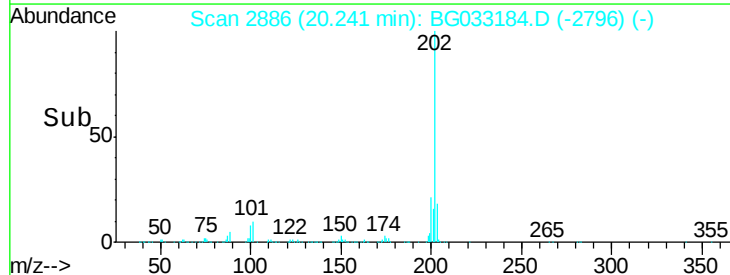
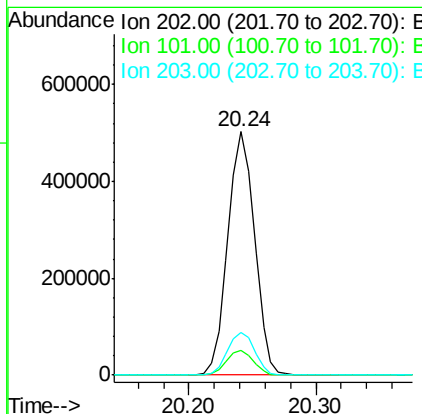
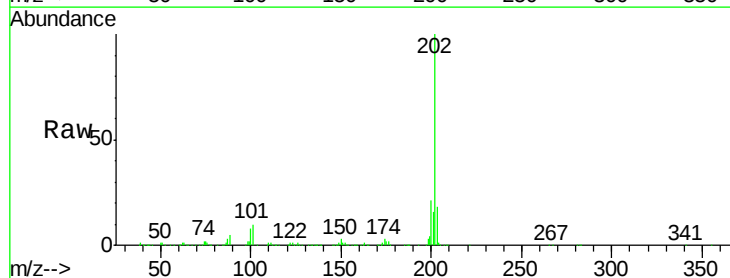
RT: 20.24 min Scan# 2886

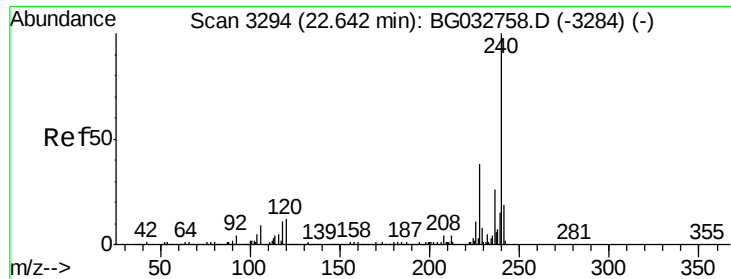
Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	202	Resp:	733341
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	28.9
203	17.8	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

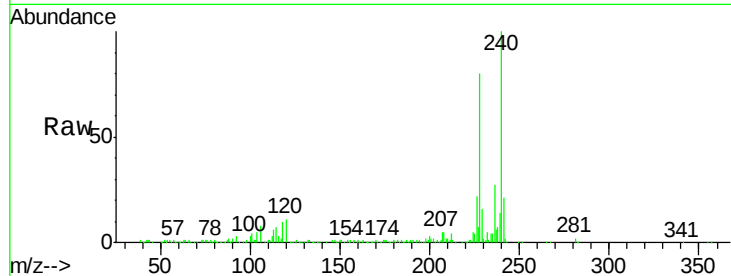
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	240	Resp:	226220
Ion Ratio	Lower	Upper	
240	100		
120	11.0	6.8	10.2#
236	27.4	20.9	31.3

Manual Integrations
APPROVED

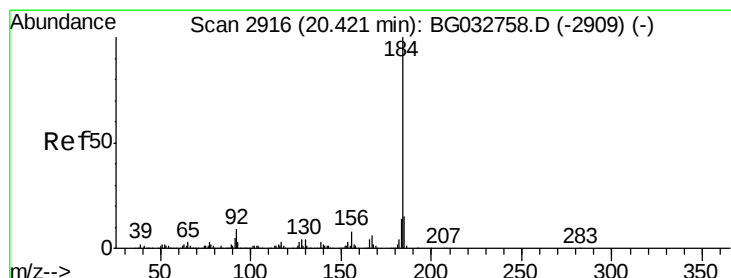
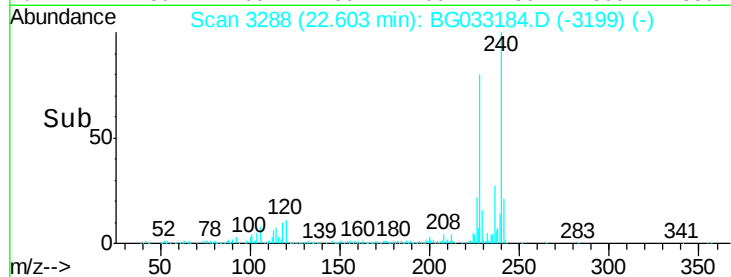
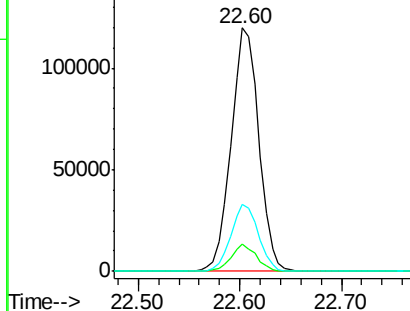
Sohil
3/16/2018 12:07:31 PM



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



#76

Benzidine

Concen: 7.059 ng

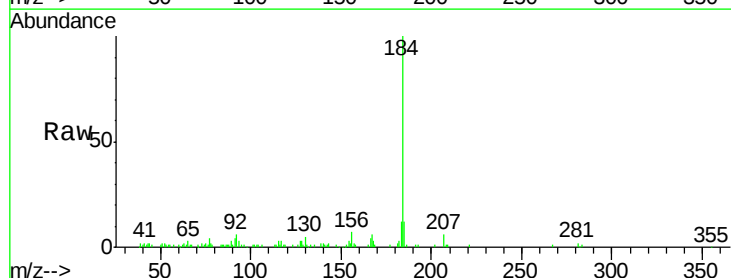
RT: 20.40 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

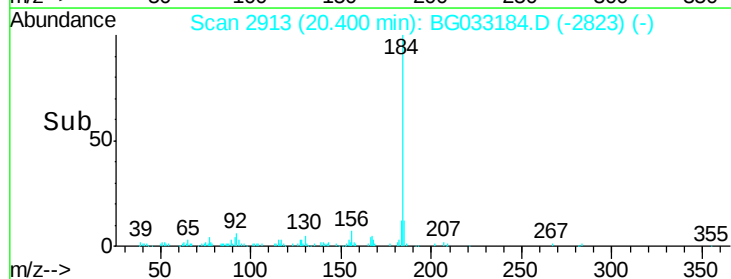
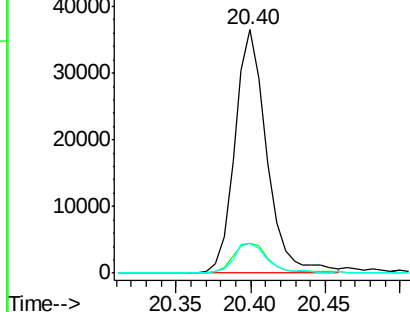
Tgt Ion:	184	Resp:	54429
Ion Ratio	Lower	Upper	
184	100		
185	12.3	11.1	16.7
183	12.0	10.6	16.0

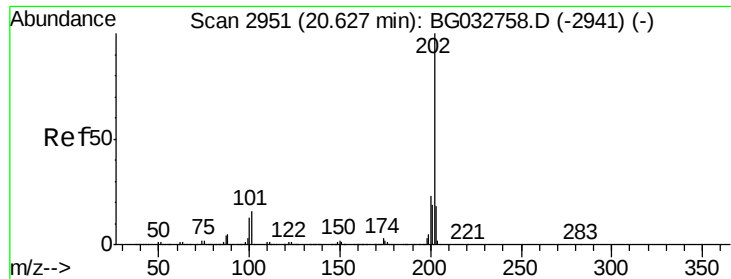


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





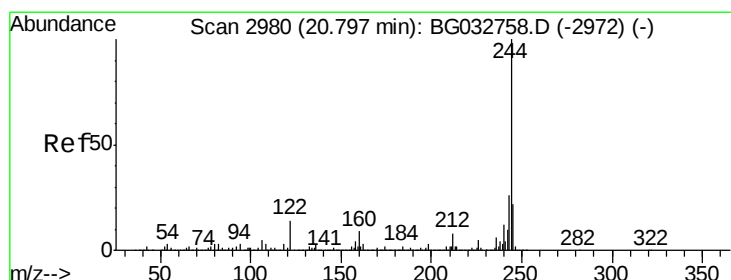
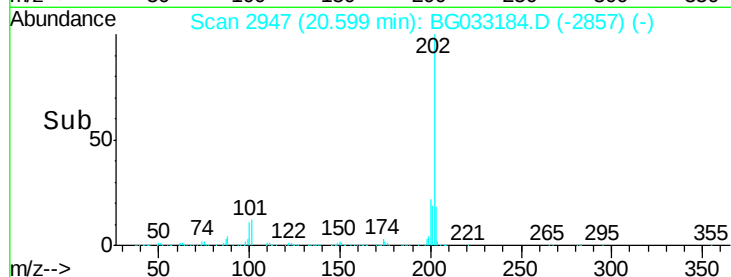
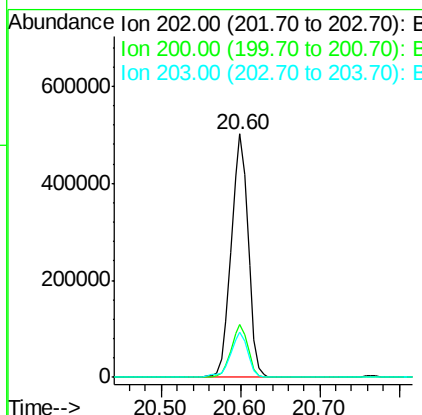
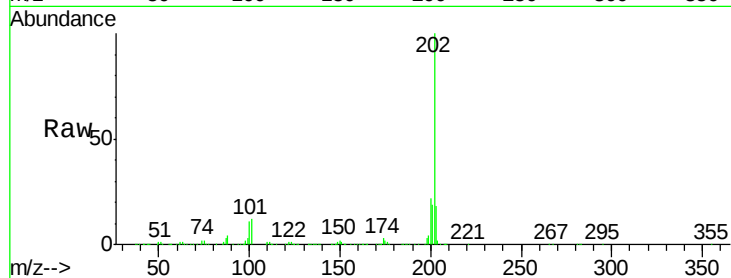
#77
Pvrene
Concen: 46.492 ng
RT: 20.60 min Scan# 2947
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.4	13.9	20.9

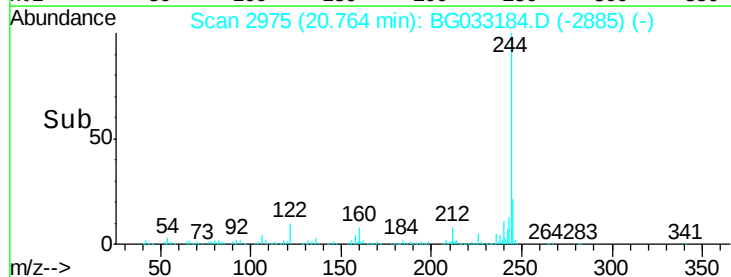
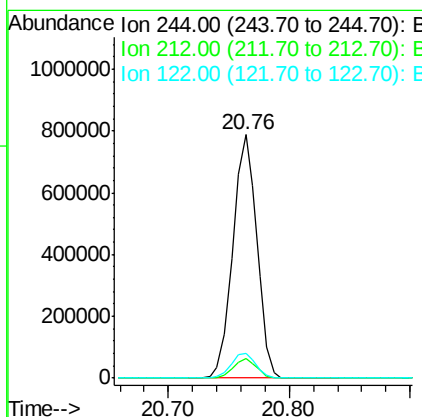
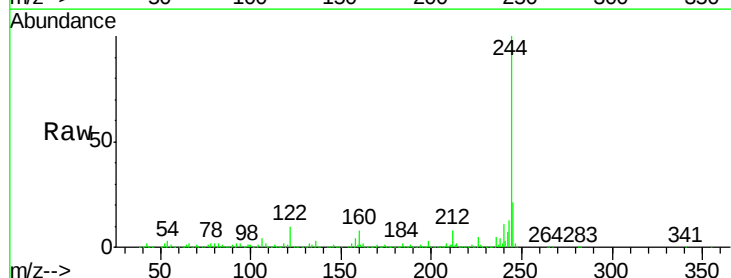
Manual Integrations
APPROVED

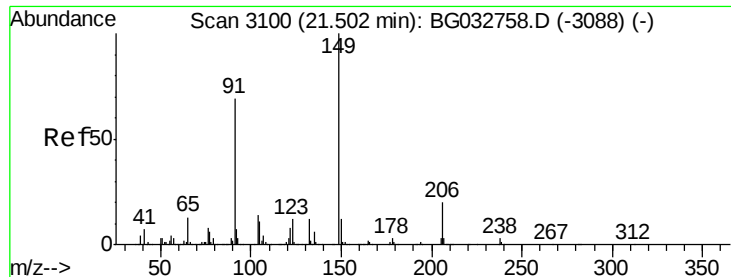
Sohil
3/16/2018 12:07:31 PM



#78
Terphenyl-d14
Concen: 108.636 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	10.4	7.0	10.4





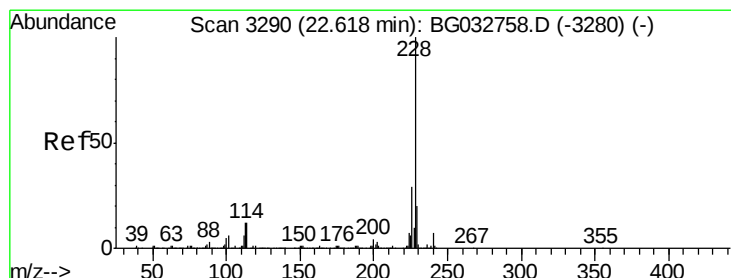
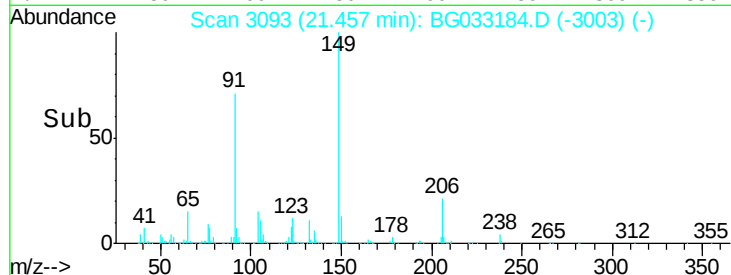
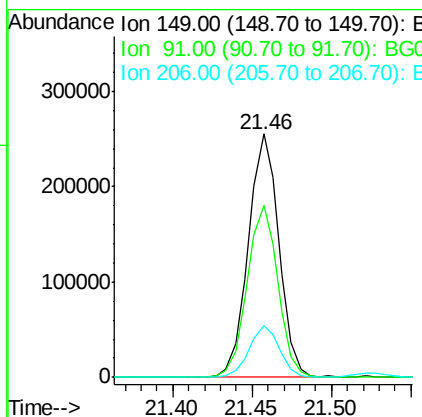
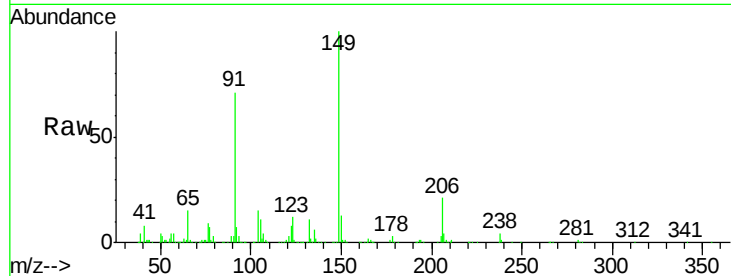
#79
Butylbenzylphthalate
Concen: 48.504 ng
RT: 21.46 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.5	62.2	93.2
206	21.0	18.6	27.8

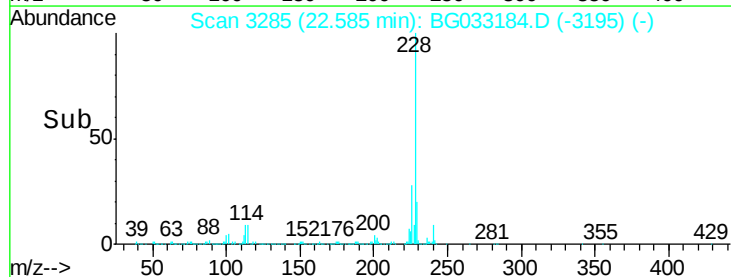
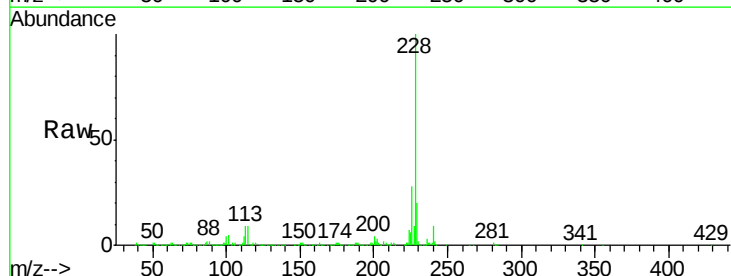
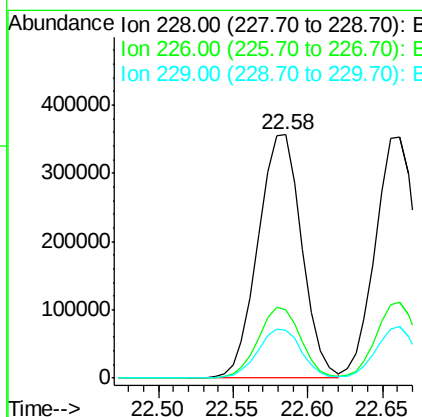
Manual Integrations
APPROVED

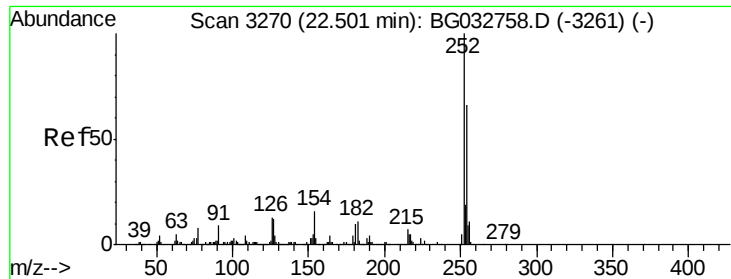
Sohil
3/16/2018 12:07:31 PM



#80
Benzo(a)anthracene
Concen: 49.970 ng
RT: 22.58 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	19.8	16.2	24.2





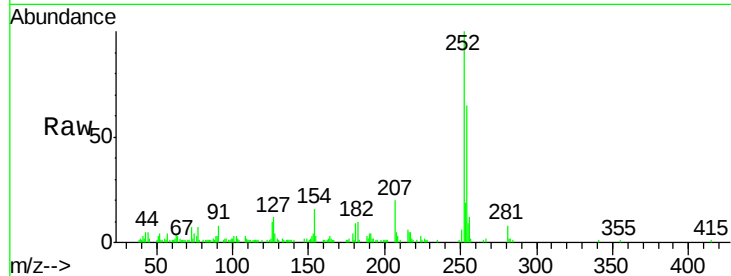
#81
 3,3'-Dichlorobenzidine
 Concen: 9.780 ng
 RT: 22.47 min Scan# 3265
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.8	76.2
126	10.4	7.4	11.2

Manual Integrations
 APPROVED

Sohil
 3/16/2018 12:07:31 PM

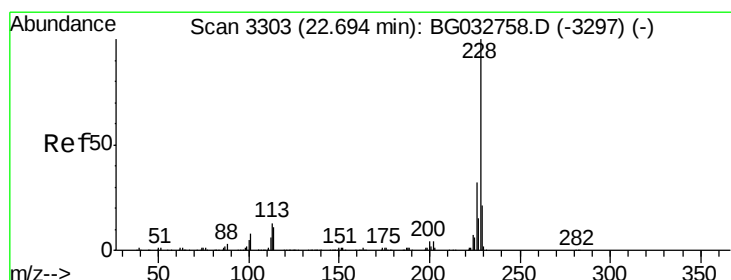
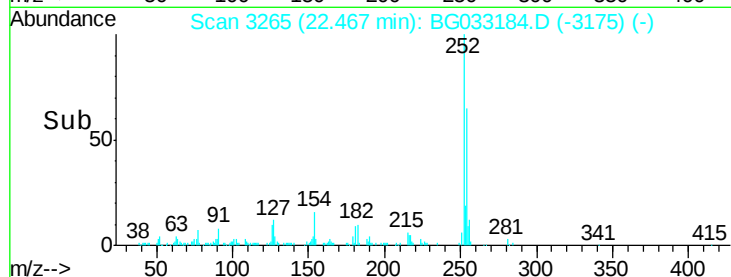
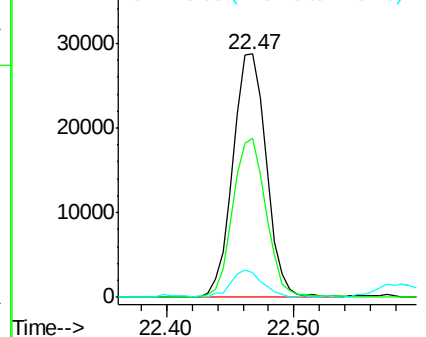


Abundance

Ion 252.00 (251.70 to 252.70): E

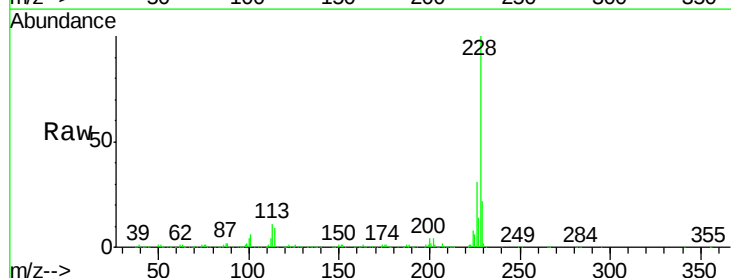
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 48.930 ng
 RT: 22.66 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	21.5	15.0	22.4

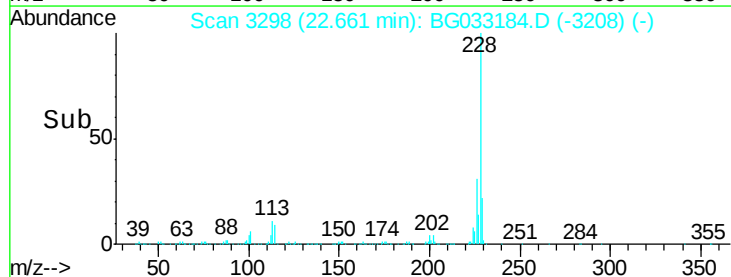
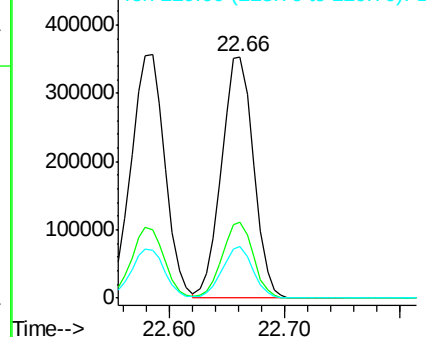


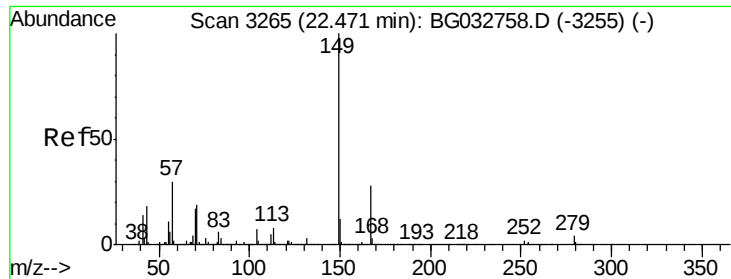
Abundance

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





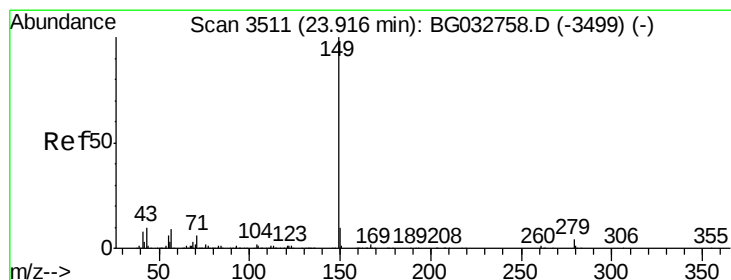
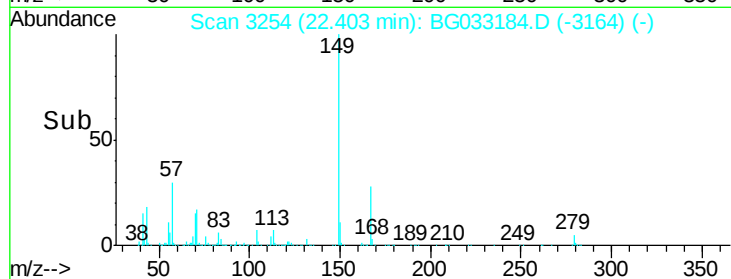
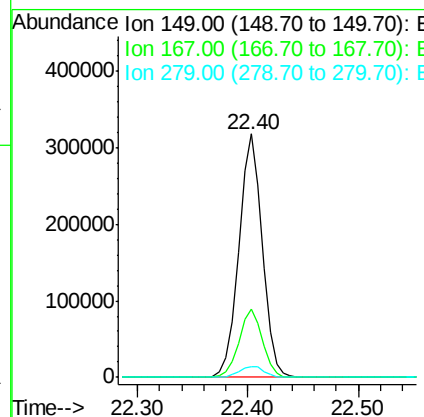
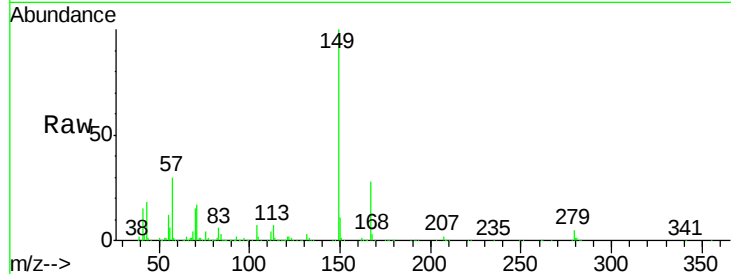
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.166 ng
 RT: 22.40 min Scan# 3254
 Delta R.T. 0.00 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.0	24.3	36.5
279	4.5	4.0	6.0

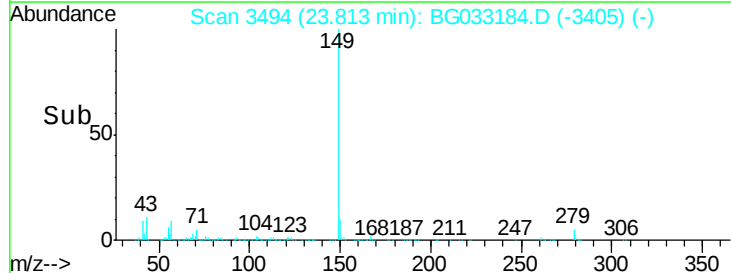
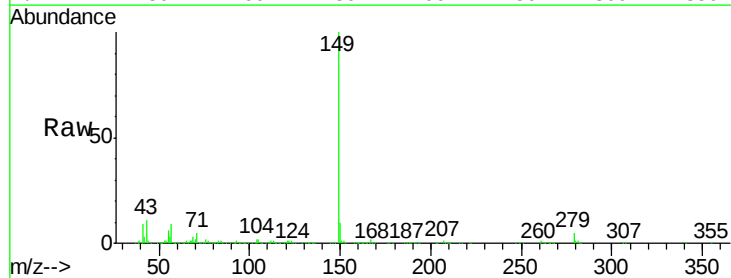
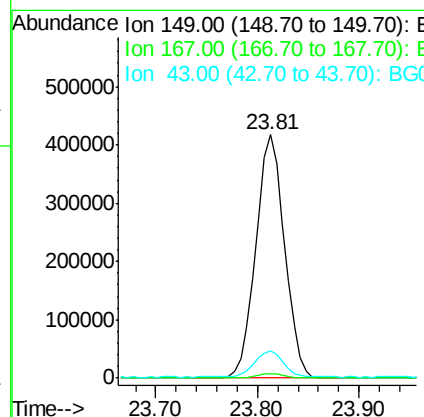
Manual Integrations
 APPROVED

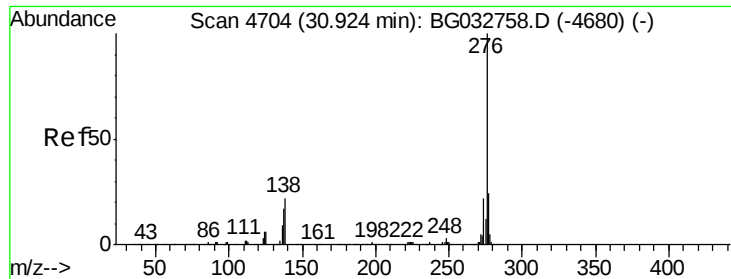
Sohil
 3/16/2018 12:07:31 PM



#84
 Di-n-octyl phthalate
 Concen: 51.235 ng
 RT: 23.81 min Scan# 3494
 Delta R.T. -0.01 min
 Lab File: BG033184.D
 Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	11.0	8.9	13.3





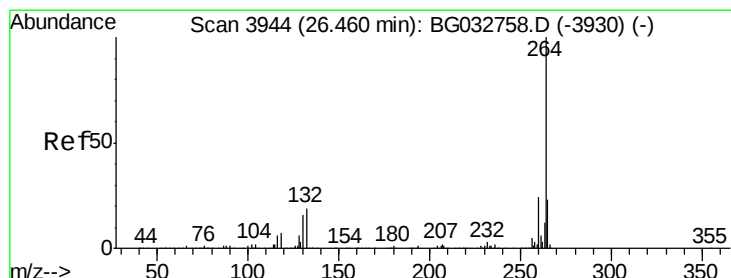
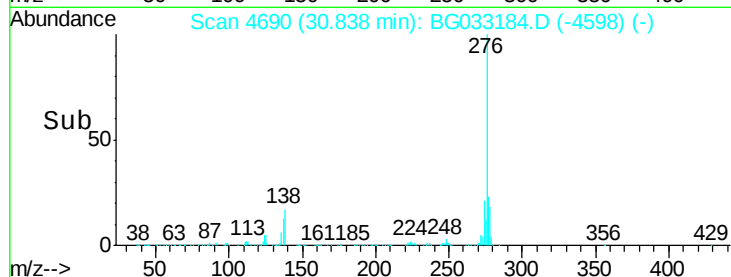
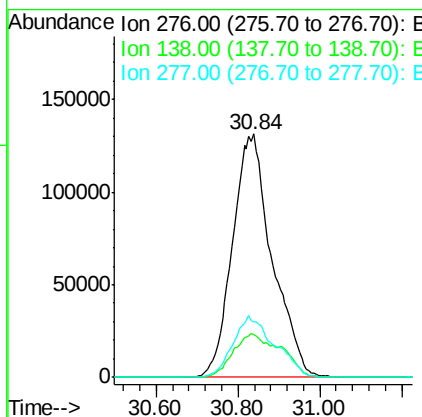
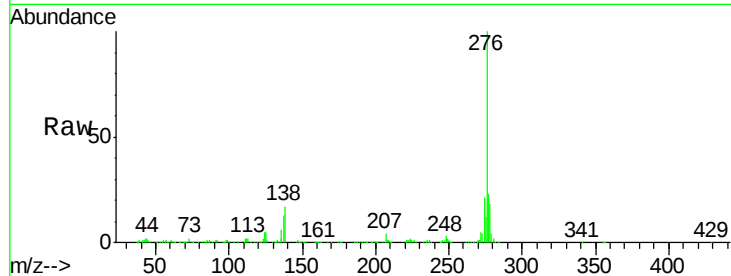
#85
Indeno(1,2,3-cd)pyrene
Concen: 54.613 ng
RT: 30.84 min Scan# 4690
Delta R.T. 0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.0	24.0
277	26.5	20.0	30.0

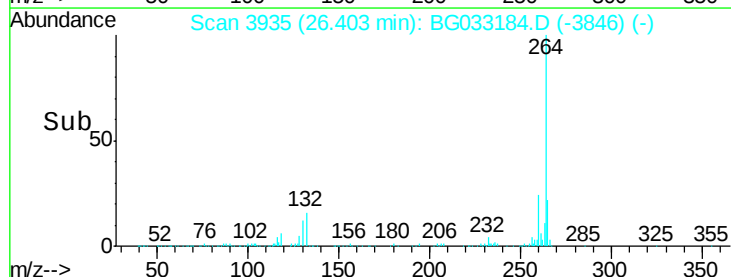
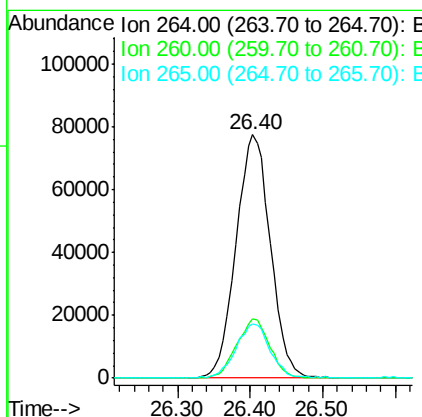
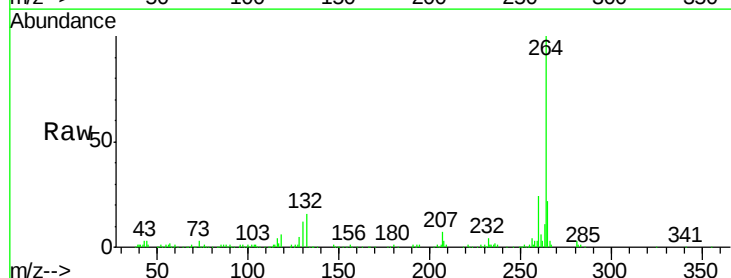
Manual Integrations
APPROVED

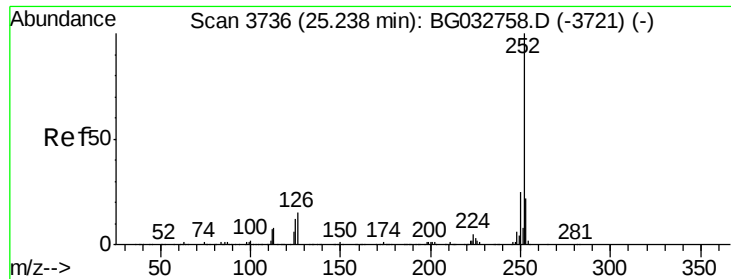
Sohil
3/16/2018 12:07:31 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	22.2	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 49.482 ng

RT: 25.18 min Scan# 3727

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Instrument :

BNA_G

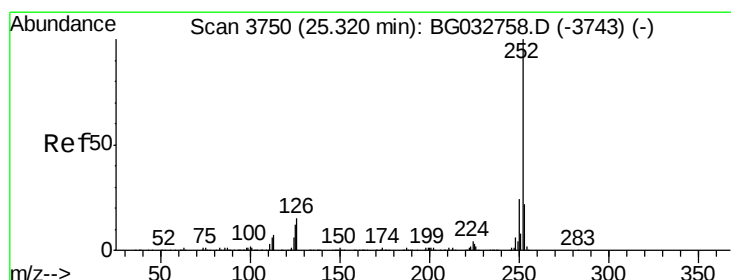
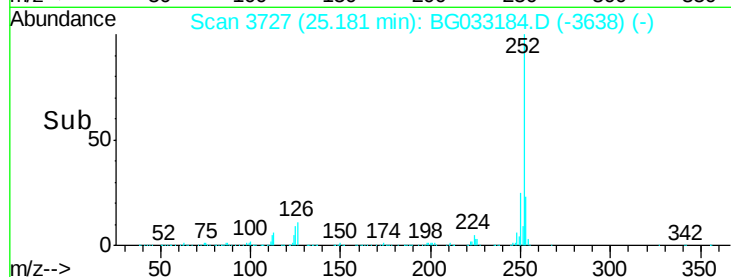
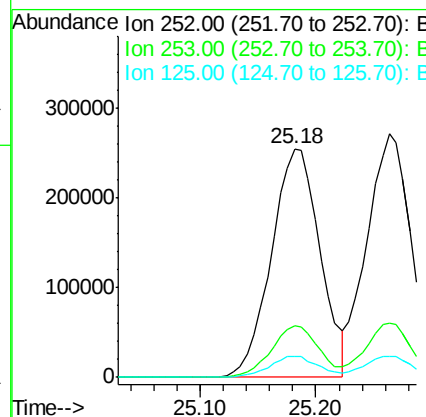
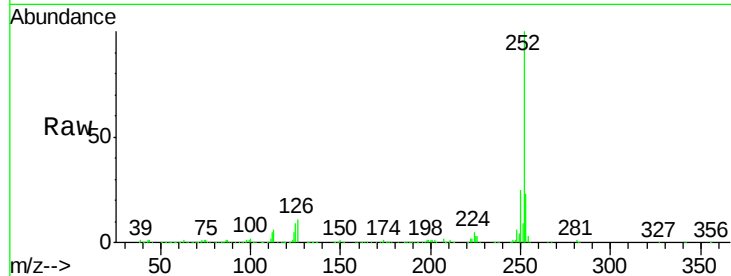
ClientSampleId :

OILY-SOIL-124029MSD

Tot Ion:	252	Resp:	746659
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.2	27.4
125	8.9	7.2	10.8

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM



#88

Benzo(k)fluoranthene

Concen: 48.472 ng

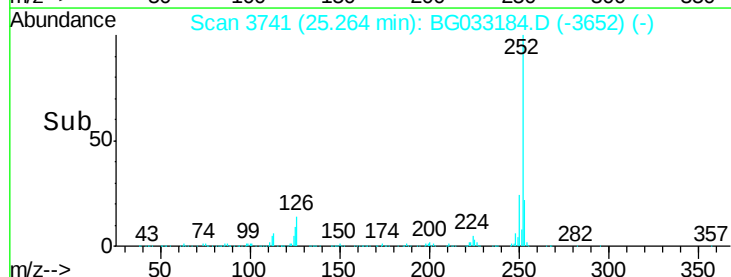
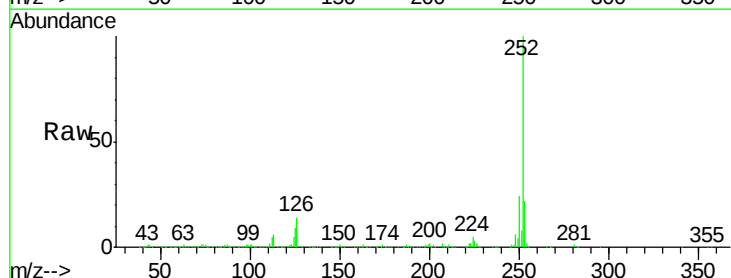
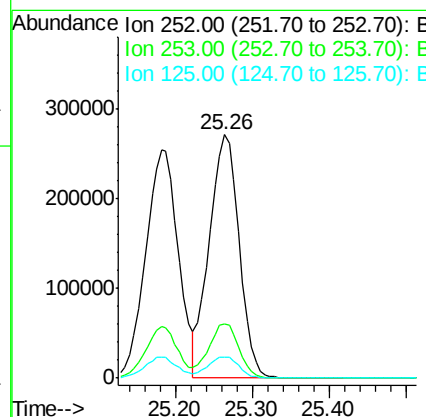
RT: 25.26 min Scan# 3741

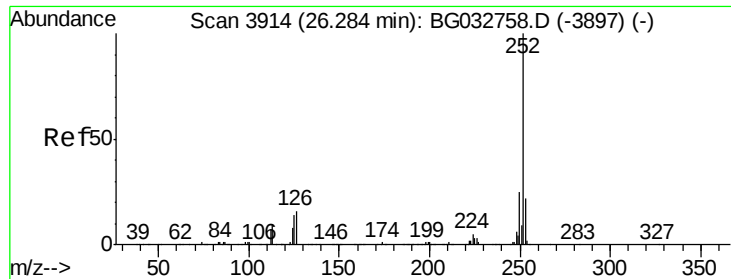
Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tgt Ion:	252	Resp:	726911
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.7	6.6	9.8





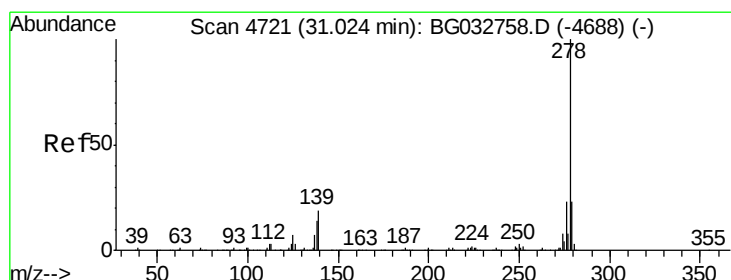
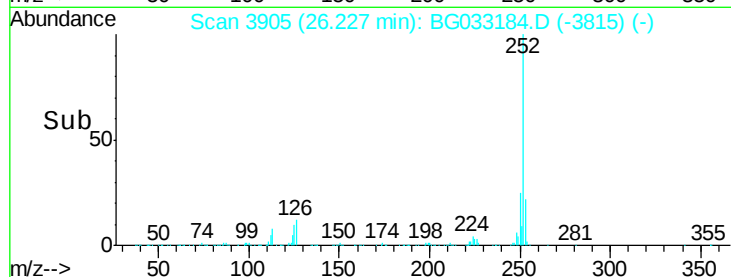
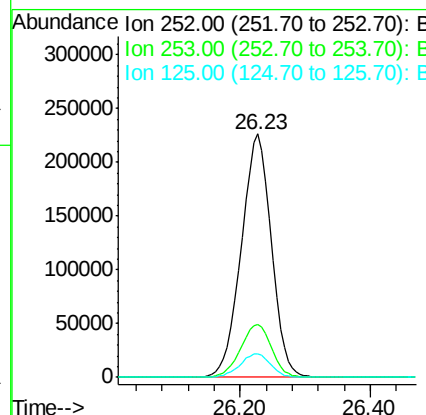
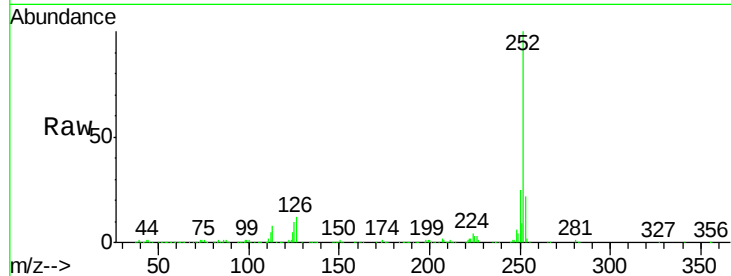
#89
Benzo(a)pyrene
Concen: 50.401 ng
RT: 26.23 min Scan# 3905
Delta R.T. 0.00 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-124029MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.3	27.5
125	9.8	7.3	10.9

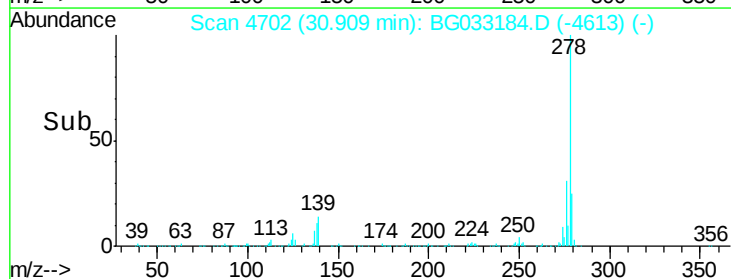
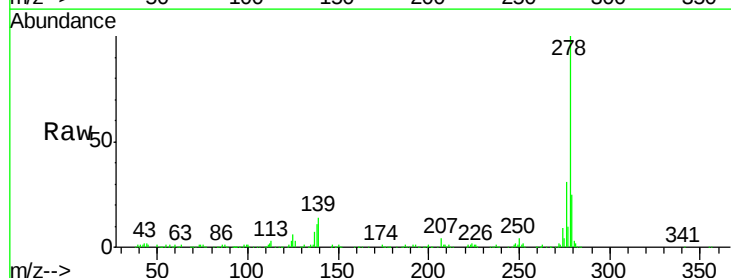
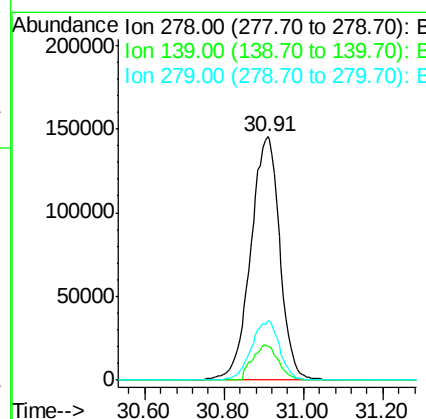
Manual Integrations
APPROVED

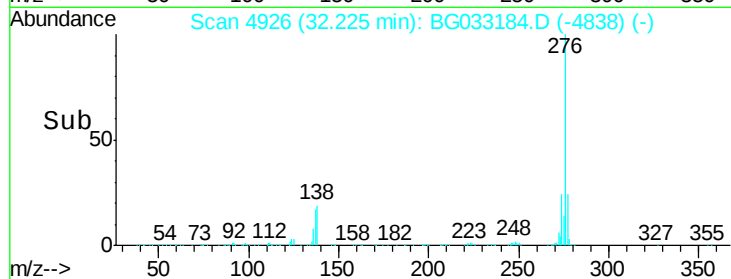
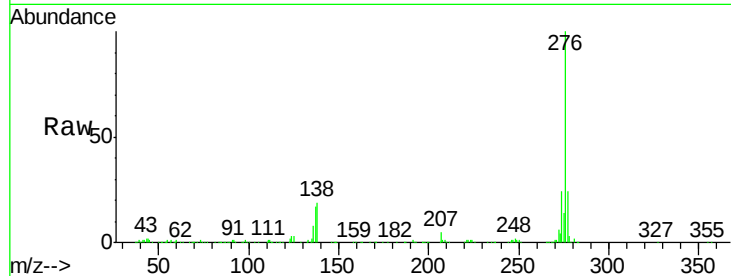
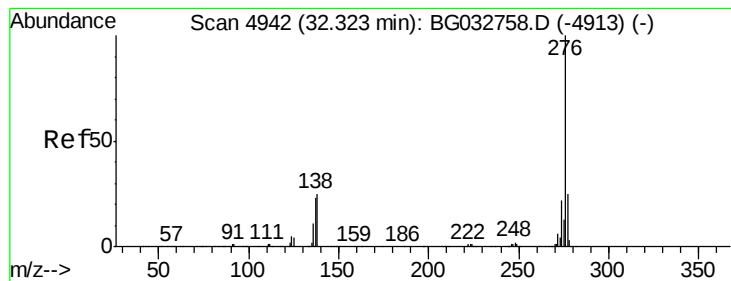
Sohil
3/16/2018 12:07:31 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.340 ng
RT: 30.91 min Scan# 4702
Delta R.T. -0.01 min
Lab File: BG033184.D
Acq: 15 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.8	14.6
279	24.5	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 51.293 ng

RT: 32.22 min Scan# 4926

Delta R.T. -0.01 min

Lab File: BG033184.D

Acq: 15 Mar 2018 19:46

Tot Ion:	276	Resp:	730453
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.3	27.5
138	18.8	13.9	20.9

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-124029MSD

Manual Integrations
APPROVED

Sohil
3/16/2018 12:07:31 PM

