

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039475.D
 Acq On : 12 Feb 2019 22:32
 Operator : JU/SJ
 Sample : K1457-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Manual Integrations
 APPROVED

Sohil
 2/13/2019 9:56:59 AM

Quant Time: Feb 13 01:27:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	51726	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	232433	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	161881	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	364389	20.00	ng	0.00
76) Chrysene-d12	21.84	240	355921	20.00	ng	0.00
87) Perylene-d12	25.22	264	372209	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.71	112	490258	162.22	ng	0.00
7) Phenol-d6	7.32	99	655661	147.38	ng	0.00
23) Nitrobenzene-d5	9.36	82	472368	126.96	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	312358	179.19	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1115817	98.88	ng	-0.01
79) Terphenyl-d14	20.14	244	1663728	98.94	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.62	88	46729	35.347	ng	# 1
3) Pyridine	4.02	79	130811	37.373	ng	95
4) n-Nitrosodimethylamine	3.93	42	74535	42.580	ng	85
6) Aniline	7.50	93	74003	13.280	ng	95
8) 2-Chlorophenol	7.73	128	175699	53.184	ng	96
9) Benzaldehyde	7.31	77	79391	34.298	ng	92
10) Phenol	7.34	94	204292	44.053	ng	98
11) bis(2-Chloroethyl)ether	7.59	93	173797	47.429	ng	95
12) 1,3-Dichlorobenzene	8.06	146	173919	43.458	ng	96
13) 1,4-Dichlorobenzene	8.21	146	177826	44.580	ng	97
14) 1,2-Dichlorobenzene	8.53	146	173777	45.002	ng	99
15) Benzyl Alcohol	8.41	79	180053	51.553	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.69	45	333565	40.310	ng	100
17) 2-Methylphenol	8.60	107	157021	52.323	ng	97
18) Hexachloroethane	9.26	117	64408	46.933	ng	98
19) n-Nitroso-di-n-propylamine	8.98	70	148707	47.097	ng	96
20) 3+4-Methylphenols	8.93	107	215719	52.200	ng	96
22) Acetophenone	9.00	105	286020	45.811	ng	# 94
24) Nitrobenzene	9.40	77	219704	54.660	ng	95
25) Isophorone	9.91	82	426822	51.768	ng	100
26) 2-Nitrophenol	10.10	139	105628	61.470	ng	97
27) 2,4-Dimethylphenol	10.14	122	191316	57.362	ng	95
28) bis(2-Chloroethoxy)methane	10.39	93	251337	49.492	ng	98
29) 2,4-Dichlorophenol	10.63	162	207933	57.043	ng	94
30) 1,2,4-Trichlorobenzene	10.85	180	194543	47.537	ng	96
31) Naphthalene	11.05	128	599313	51.975	ng	98
32) Benzoic acid	10.26	122	96803	45.015	ng	97
33) 4-Chloroaniline	11.15	127	11198	2.094	ng	# 92
34) Hexachlorobutadiene	11.31	225	124498	45.744	ng	97
35) Caprolactam	11.94	113	47265m	31.334	ng	
36) 4-Chloro-3-methylphenol	12.25	107	221000	52.423	ng	98
37) 2-Methylnaphthalene	12.64	142	449126	52.588	ng	97
38) 1-Methylnaphthalene	12.86	142	428128	52.005	ng	99
40) 1,2,4,5-Tetrachlorobenzene	13.00	216	247410	48.035	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039475.D
 Acq On : 12 Feb 2019 22:32
 Operator : JU/SJ
 Sample : K1457-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

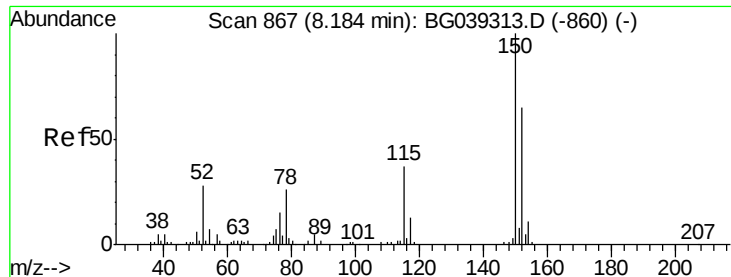
Manual Integrations
 APPROVED

Sohil
 2/13/2019 9:56:59 AM

Quant Time: Feb 13 01:27:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.96	237	262139	93.400	nq	98
43) 2,4,6-Trichlorophenol	13.23	196	174786	55.192	nq	99
44) 2,4,5-Trichlorophenol	13.30	196	185105	55.769	nq	99
46) 1,1'-Biphenyl	13.63	154	604544	44.884	nq	100
47) 2-Chloronaphthalene	13.69	162	462489	45.645	nq	98
48) 2-Nitroaniline	13.89	65	161700	54.249	nq	98
49) Acenaphthylene	14.53	152	742777	48.583	nq	98
50) Dimethylphthalate	14.24	163	615441	47.073	nq	99
51) 2,6-Dinitrotoluene	14.37	165	138135	55.366	nq	97
52) Acenaphthene	14.86	154	457957	46.145	nq	97
53) 3-Nitroaniline	14.70	138	20378	12.589	nq #	96
54) 2,4-Dinitrophenol	14.91	184	105537	91.315	nq	100
55) Dibenzofuran	15.20	168	735083	46.197	nq	99
56) 4-Nitrophenol	15.00	139	199598	84.114	nq	92
57) 2,4-Dinitrotoluene	15.16	165	192781	59.376	nq #	87
58) Fluorene	15.84	166	584845	49.305	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.41	232	182633	58.767	nq	96
60) Diethylphthalate	15.60	149	609309	45.075	nq	97
61) 4-Chlorophenyl-phenylether	15.83	204	305088	45.424	nq	99
62) 4-Nitroaniline	15.87	138	133290	48.563	nq	95
63) Azobenzene	16.12	77	554123	41.940	nq	97
65) 4,6-Dinitro-2-methylphenol	15.91	198	92055	58.841	nq	99
66) n-Nitrosodiphenylamine	16.05	169	536156	48.390	nq	98
67) 4-Bromophenyl-phenylether	16.72	248	202124	50.000	nq	95
68) Hexachlorobenzene	16.83	284	209018	51.535	nq	95
69) Atrazine	16.99	200	204706	50.557	nq	98
70) Pentachlorophenol	17.18	266	253383	89.888	nq	97
71) Phenanthrene	17.59	178	934939	49.573	nq	98
72) Anthracene	17.68	178	950195	51.149	nq	98
73) Carbazole	17.94	167	826638	44.588	nq	98
74) Di-n-butylphthalate	18.48	149	989716	45.759	nq	99
75) Fluoranthene	19.58	202	1095635	50.051	nq	99
77) Benzidine	19.77	184	168966	14.480	nq	97
78) Pyrene	19.95	202	1099895	49.641	nq	98
80) Butylbenzylphthalate	20.82	149	469269	50.207	nq	97
81) Benzo(a)anthracene	21.82	228	1086857	51.678	nq	99
82) 3,3'-Dichlorobenzidine	21.72	252	117502	15.068	nq	99
83) Chrysene	21.89	228	1007242	50.311	nq	100
84) Bis(2-ethylhexyl)phthalate	21.69	149	646474	48.482	nq #	98
85) Di-n-octyl phthalate	22.95	149	1103514	50.092	nq	96
86) Indeno(1,2,3-cd)pyrene	29.11	276	1225780	57.066	nq	99
88) Benzo(b)fluoranthene	24.14	252	1064725	52.453	nq	99
89) Benzo(k)fluoranthene	24.21	252	1019156	50.009	nq	98
90) Benzo(a)pyrene	25.06	252	1039460	53.172	nq	98
91) Dibenzo(a,h)anthracene	29.19	278	985053	53.805	nq	99
92) Benzo(g,h,i)perylene	30.35	276	1005996	55.130	nq	98

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



#1

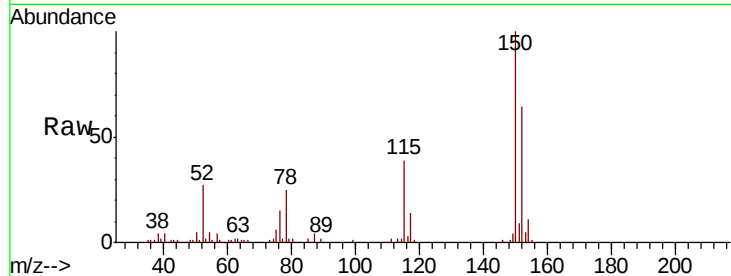
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.7	185.5
115	61.4	45.9	68.9

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

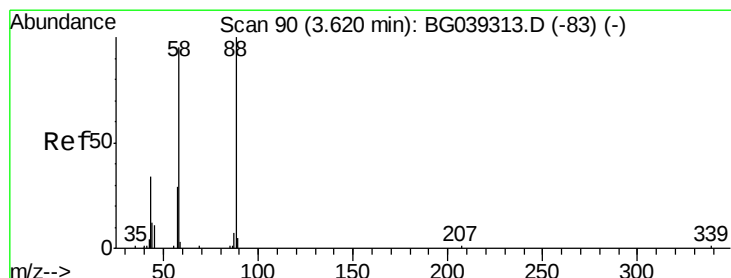
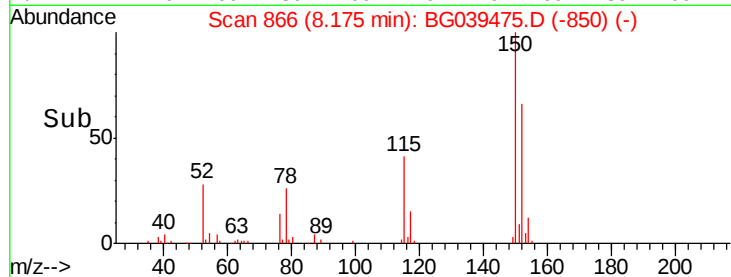
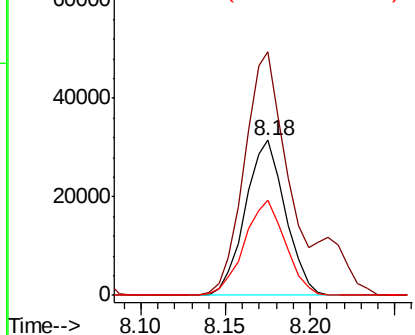


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

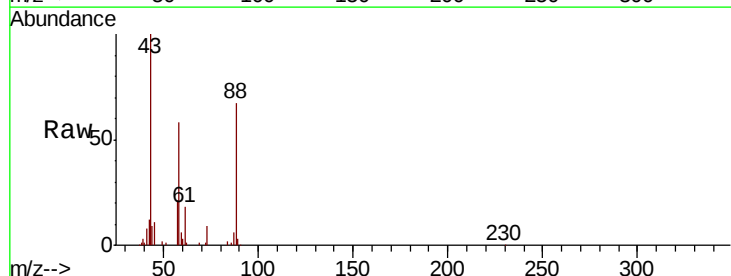
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.347 ng
RT: 3.62 min Scan# 90
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.6	81.1	121.7
43	262.0	31.4	47.0

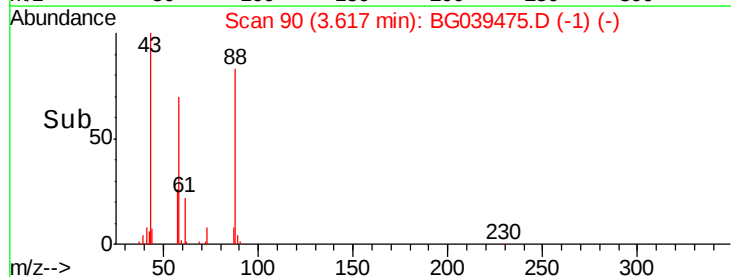
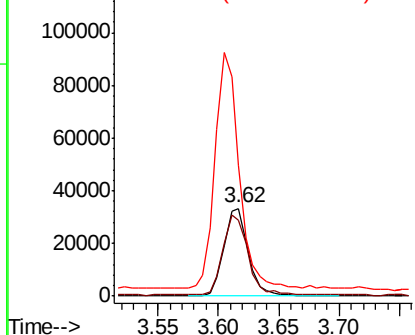


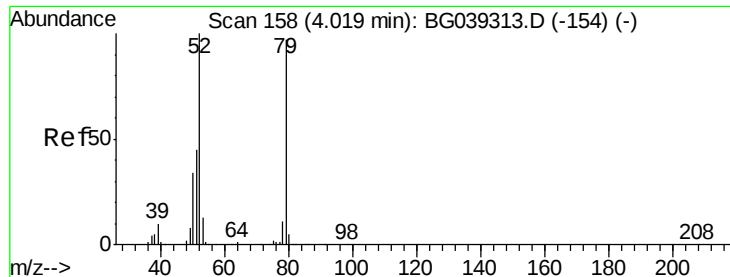
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 37.373 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

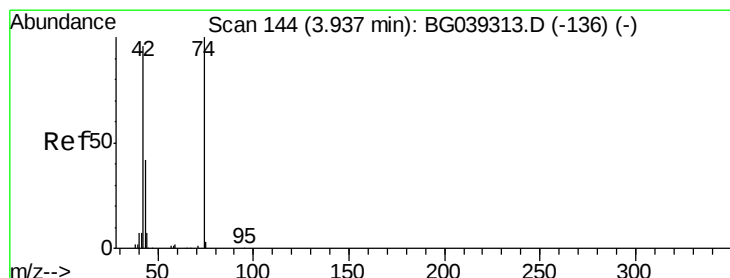
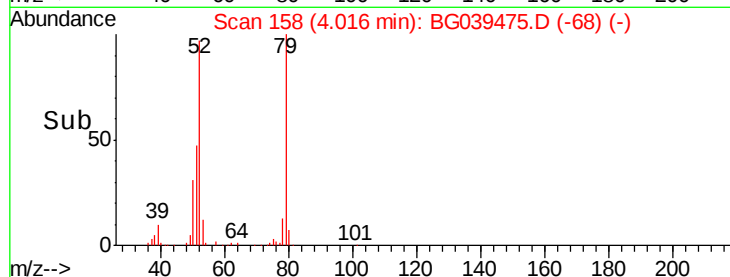
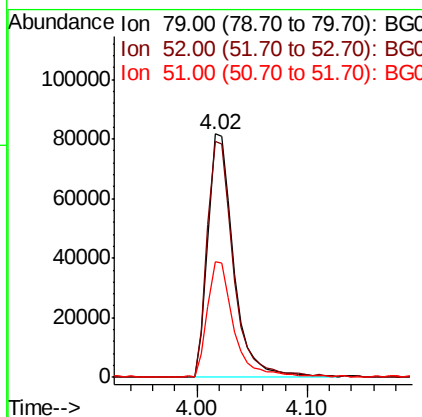
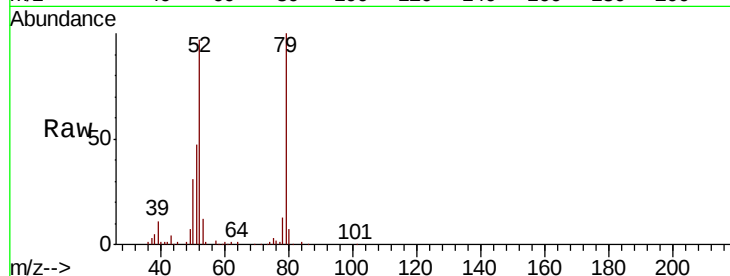
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:	79	Resp:	130811
Ion	Ratio	Lower	Upper
79	100		
52	97.0	82.6	124.0
51	47.5	37.5	56.3

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#4

n-Nitrosodimethylamine

Concen: 42.580 ng

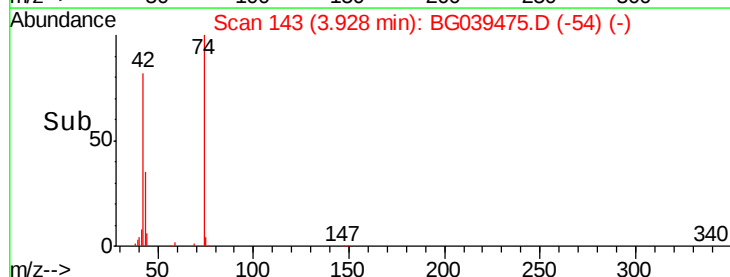
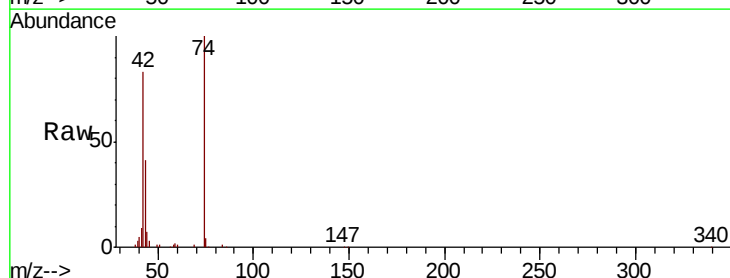
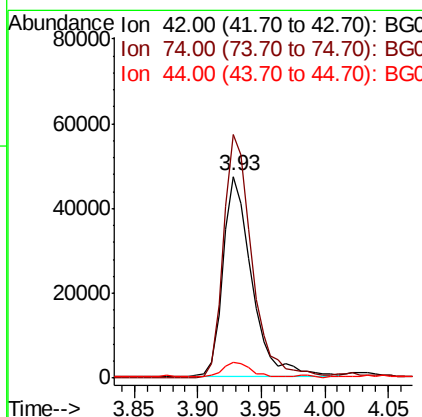
RT: 3.93 min Scan# 143

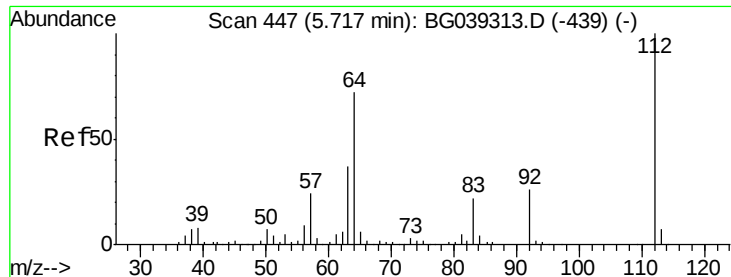
Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	42	Resp:	74535
Ion	Ratio	Lower	Upper
42	100		
74	120.6	83.6	125.4
44	7.9	6.9	10.3





#5

2-Fluorophenol

Concen: 162.216 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

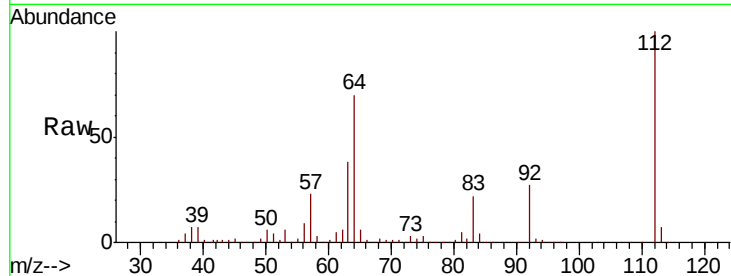
ClientSampled :

IDW-SOIL-01MSD

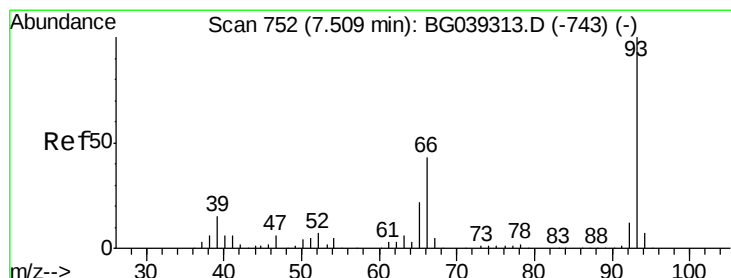
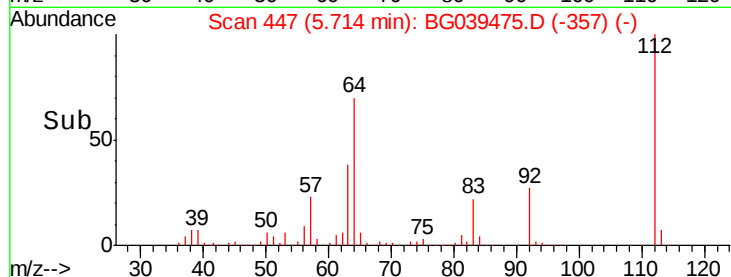
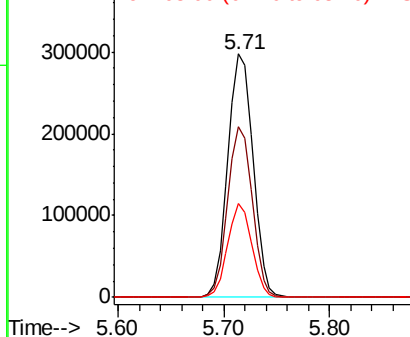
Tot Ion:	112	Resp:	490258
Ion Ratio	Lower	Upper	
112	100		
64	69.9	57.8	86.8
63	38.4	29.8	44.6

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



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: 13.280 ng

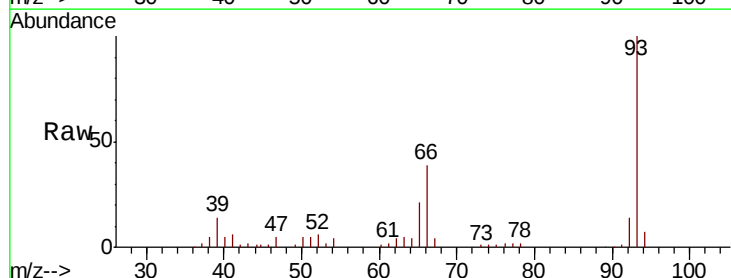
RT: 7.50 min Scan# 751

Delta R.T. -0.01 min

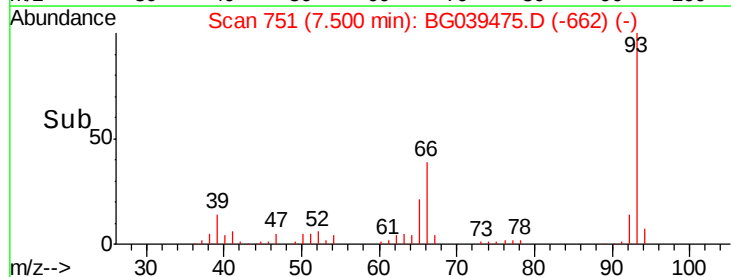
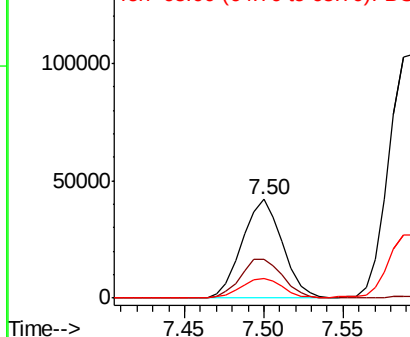
Lab File: BG039475.D

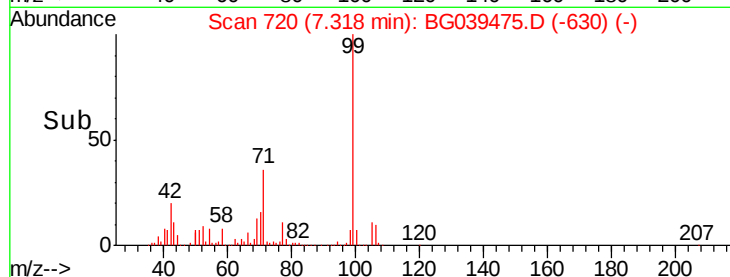
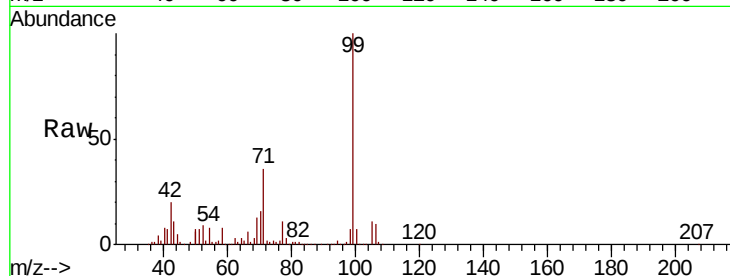
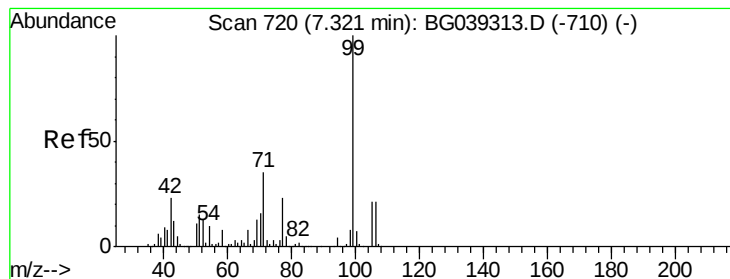
Acq: 12 Feb 2019 22:32

Tgt Ion:	93	Resp:	74003
Ion Ratio	Lower	Upper	
93	100		
66	39.2	34.2	51.4
65	20.5	17.7	26.5



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: 147.384 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tot Ion:	99	Resp:	655661
Ion Ratio	Lower	Upper	
99	100		
42	20.2	18.2	27.2
71	35.7	28.0	42.0

Instrument :

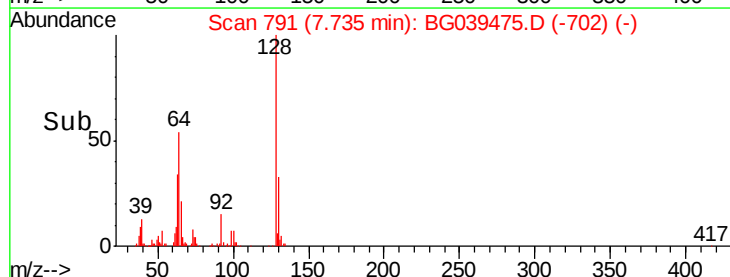
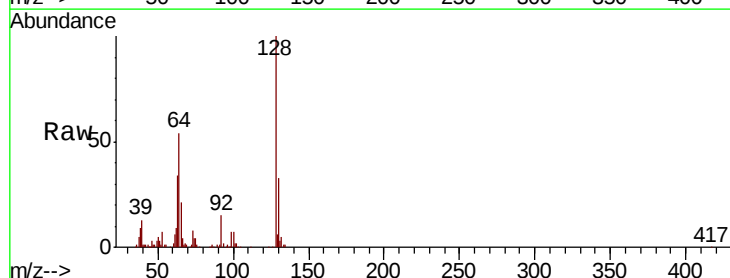
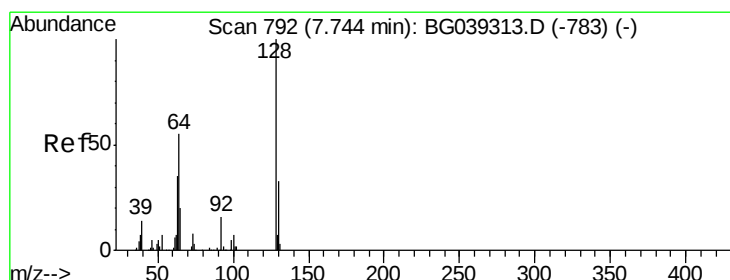
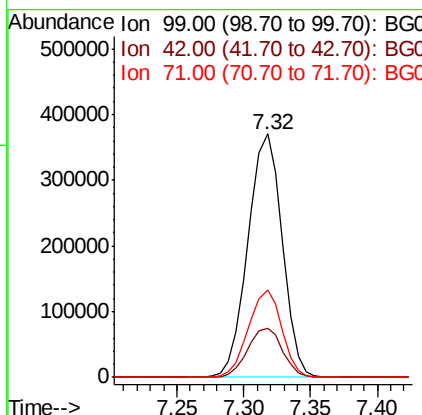
BNA_G

ClientSampleId :

IDW-SOIL-01MSD

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#8

2-Chlorophenol

Concen: 53.184 ng

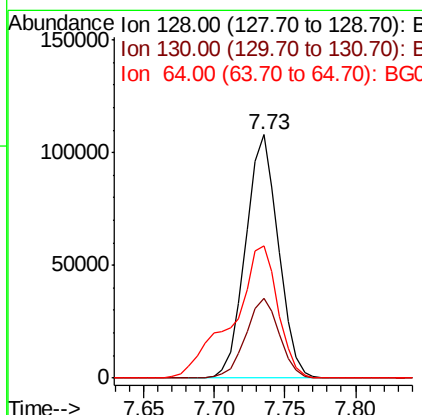
RT: 7.73 min Scan# 791

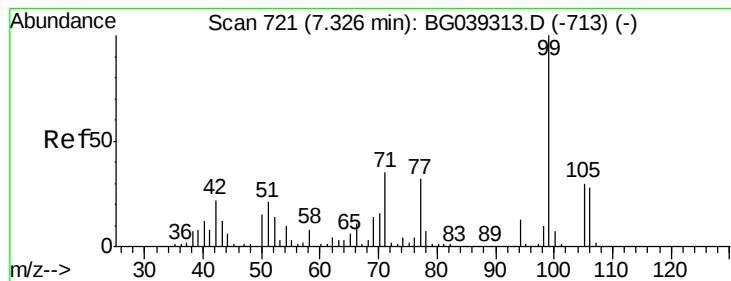
Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	128	Resp:	175699
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.9	52.9
64	54.1	38.7	78.7





#9

Benzaldehyde

Concen: 34.298 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

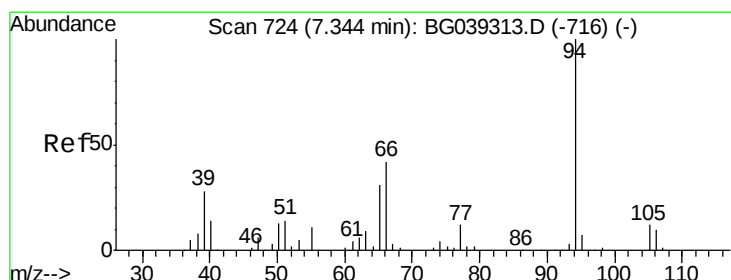
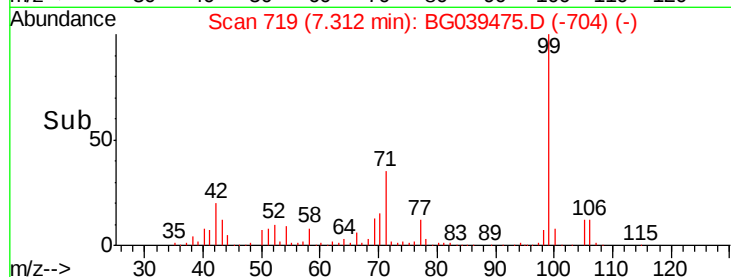
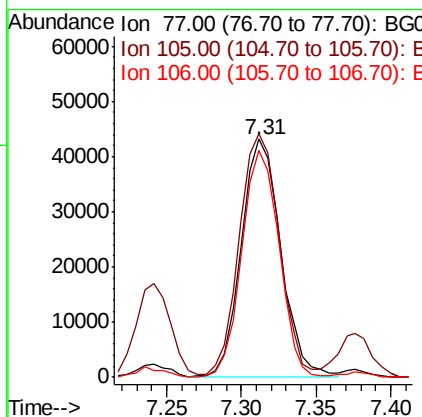
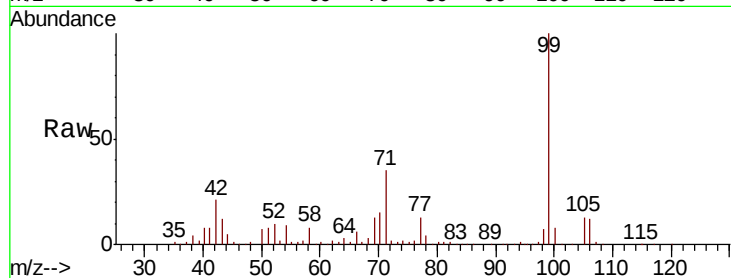
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:	77	Resp:	79391
Ion Ratio	Lower	Upper	
77	100		
105	102.4	74.5	114.5
106	95.5	68.0	108.0

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#10

Phenol

Concen: 44.053 ng

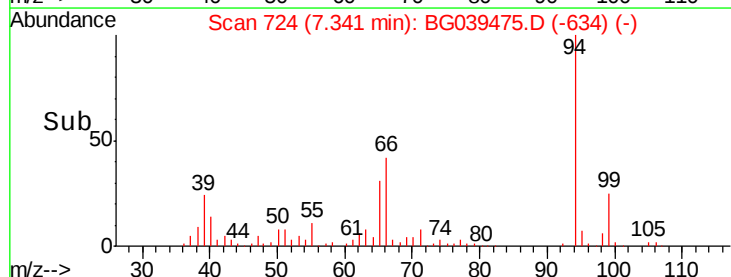
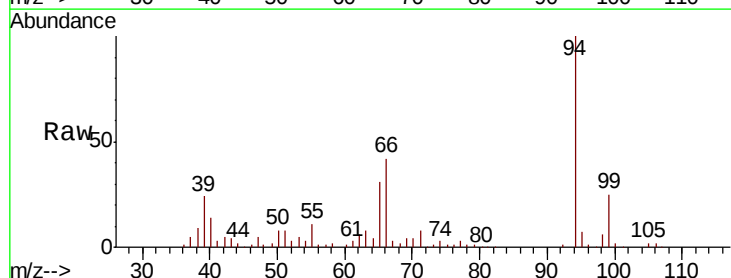
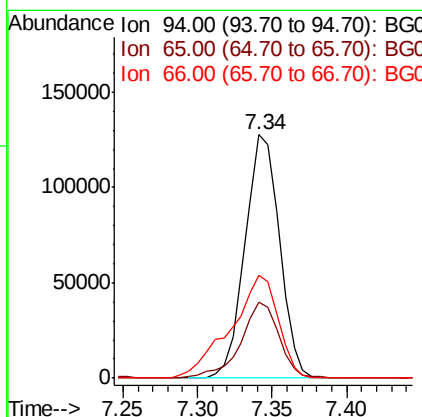
RT: 7.34 min Scan# 724

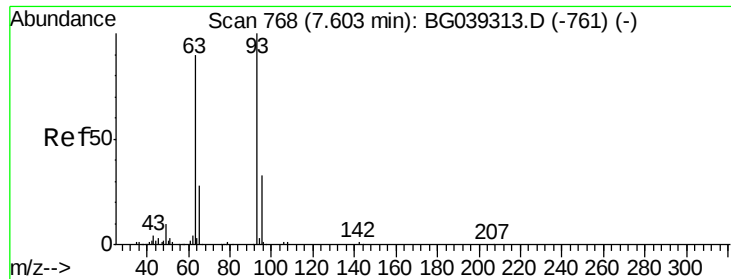
Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	94	Resp:	204292
Ion Ratio	Lower	Upper	
94	100		
65	31.5	11.7	51.7
66	42.0	23.7	63.7





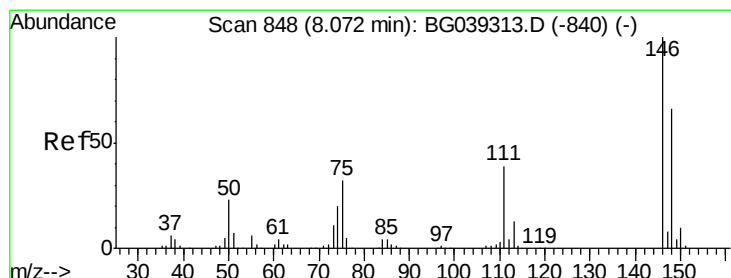
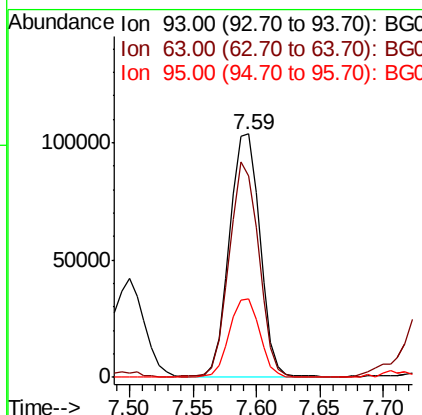
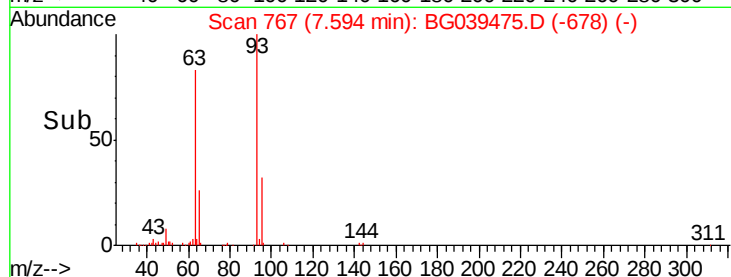
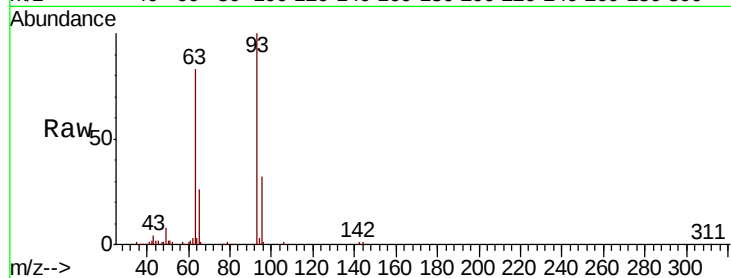
#11
bis(2-Chloroethyl)ether
Concen: 47.429 ng
RT: 7.59 min Scan# 767
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion:	93	Resp:	173797
Ion	Ratio	Lower	Upper
93	100		
63	82.9	69.5	109.5
95	32.4	12.7	52.7

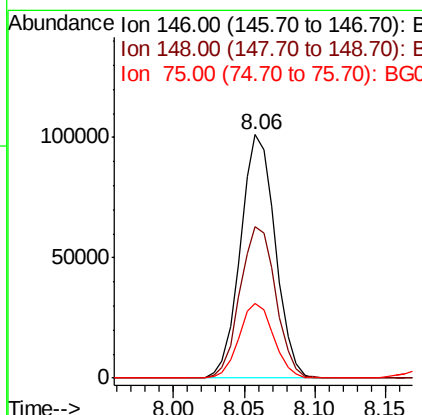
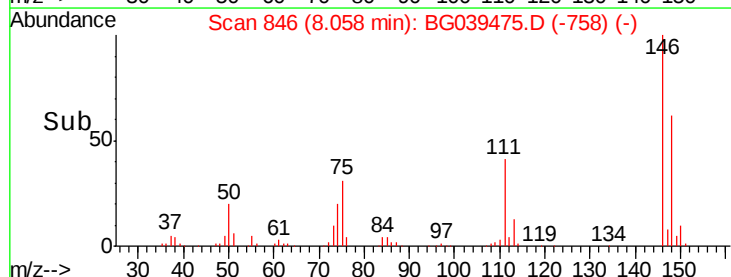
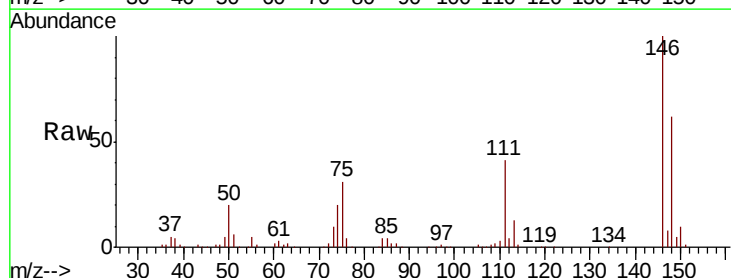
Manual Integrations
APPROVED

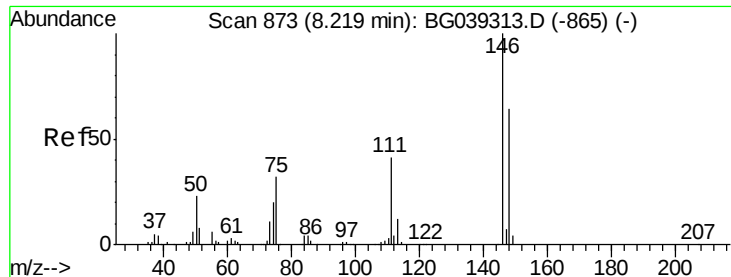
Sohil
2/13/2019 9:56:59 AM



#12
1,3-Dichlorobenzene
Concen: 43.458 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	146	Resp:	173919
Ion	Ratio	Lower	Upper
146	100		
148	62.4	52.6	79.0
75	30.9	25.8	38.6





#13

1,4-Dichlorobenzene

Concen: 44.580 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

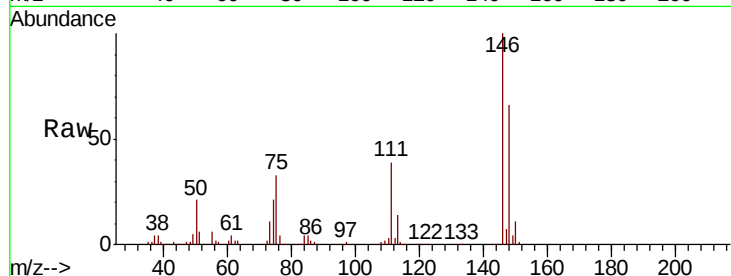
ClientSampleId :

IDW-SOIL-01MSD

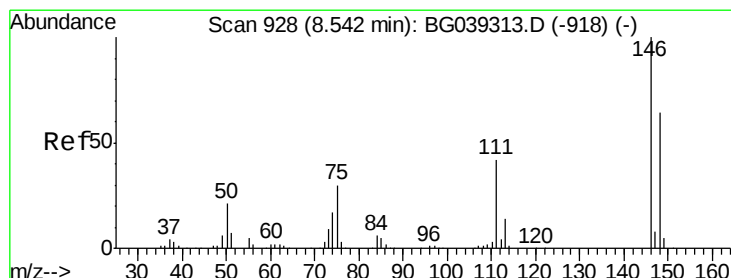
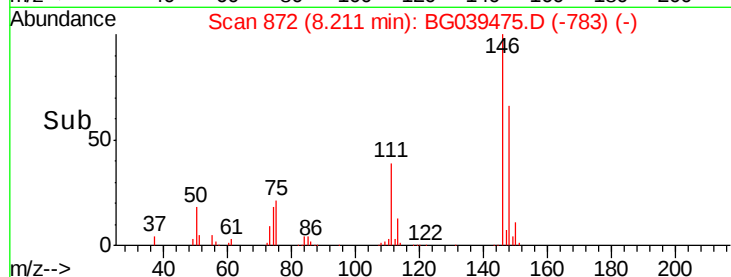
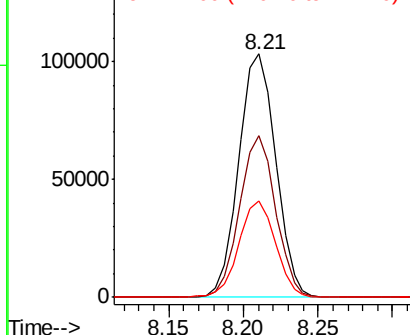
Tot Ion:	146	Resp:	177826
Ion Ratio	Lower	Upper	
146	100		
148	66.2	51.1	76.7
111	39.5	32.6	48.8

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



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



#14

1,2-Dichlorobenzene

Concen: 45.002 ng

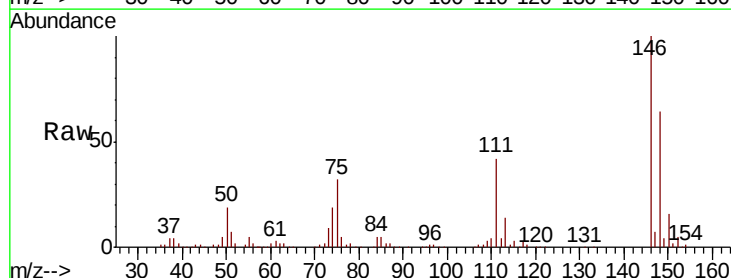
RT: 8.53 min Scan# 926

Delta R.T. -0.01 min

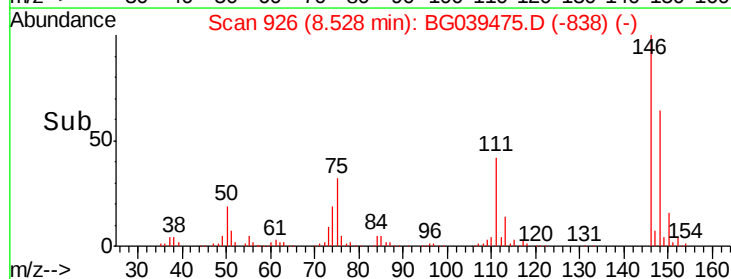
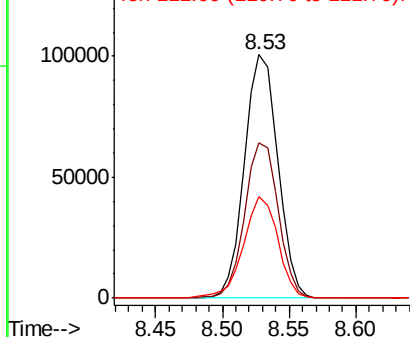
Lab File: BG039475.D

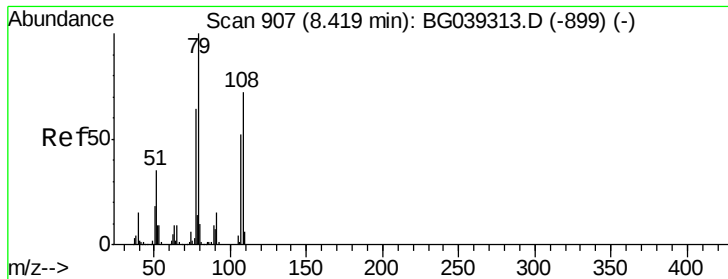
Acq: 12 Feb 2019 22:32

Tgt Ion:	146	Resp:	173777
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.5	77.3
111	41.9	33.8	50.6



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





#15

Benzyl Alcohol

Concen: 51.553 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

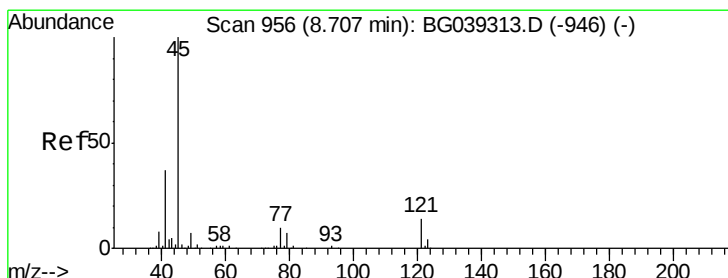
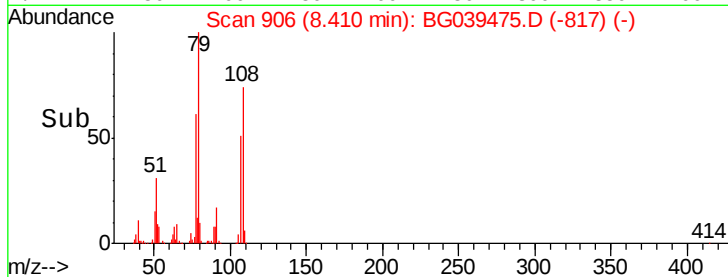
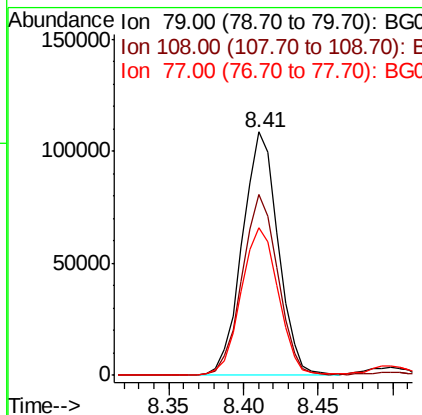
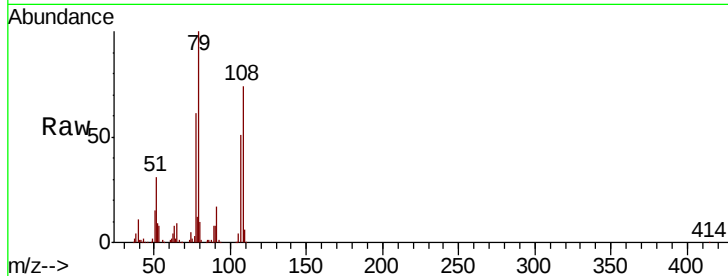
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:	79	Resp:	180053
Ion Ratio	Lower	Upper	
79	100		
108	74.0	57.8	86.6
77	60.7	51.1	76.7

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.310 ng

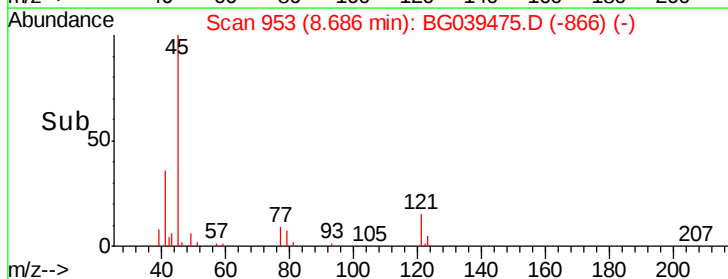
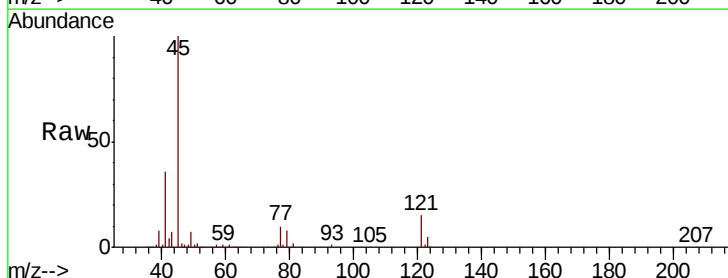
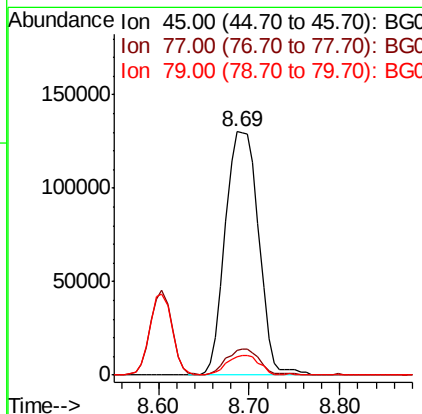
RT: 8.69 min Scan# 953

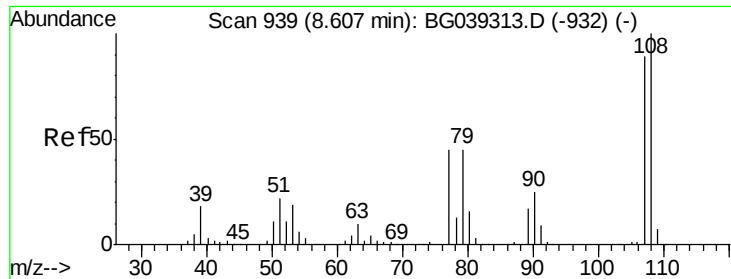
Delta R.T. -0.02 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	45	Resp:	333565
Ion Ratio	Lower	Upper	
45	100		
77	10.0	0.0	30.0
79	7.6	0.0	27.5





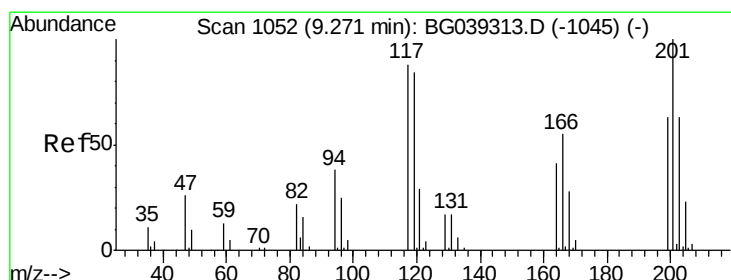
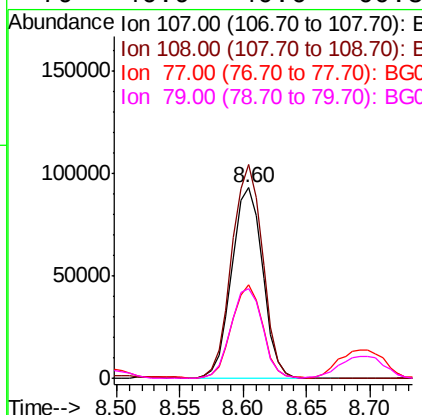
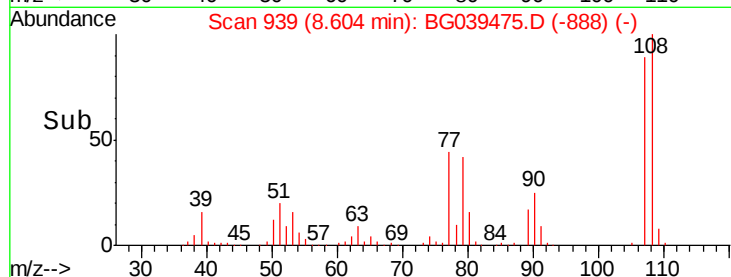
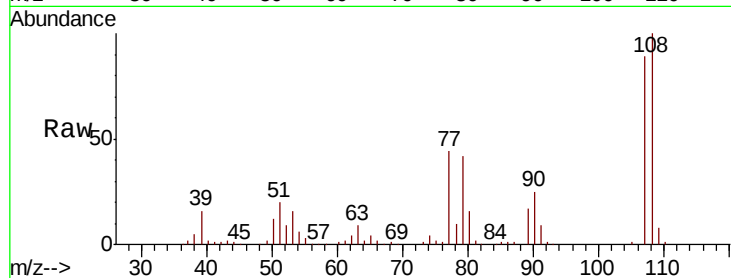
#17
2-Methylphenol
Concen: 52.323 ng
RT: 8.60 min Scan# 939
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	90.8	136.2	
77	49.0	40.7	61.1	
79	46.9	40.6	60.8	

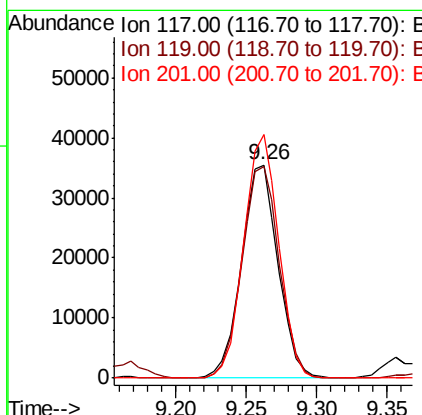
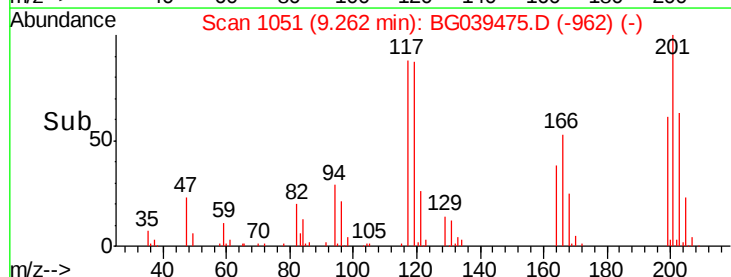
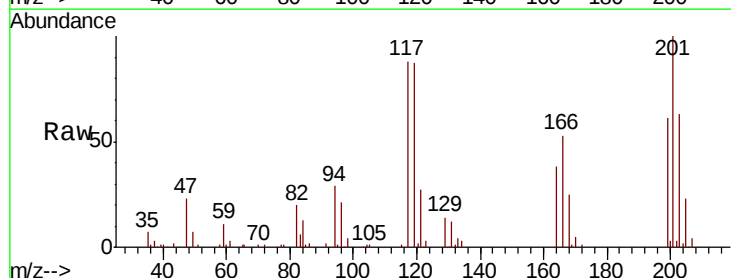
Manual Integrations
APPROVED

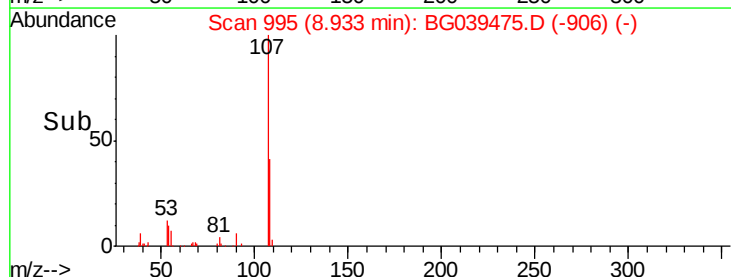
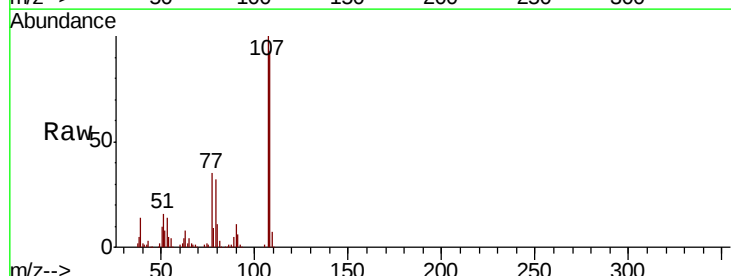
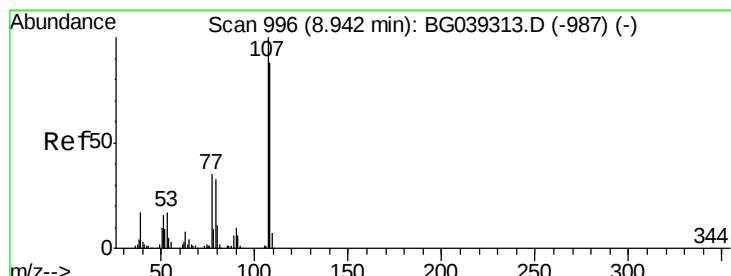
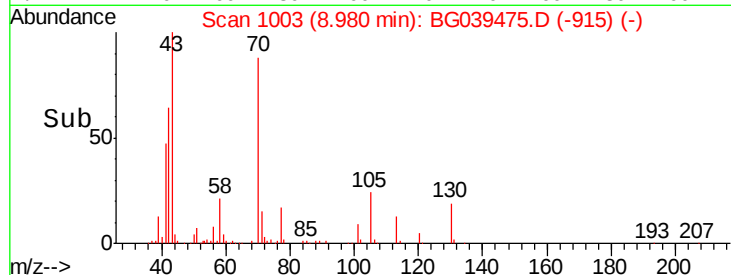
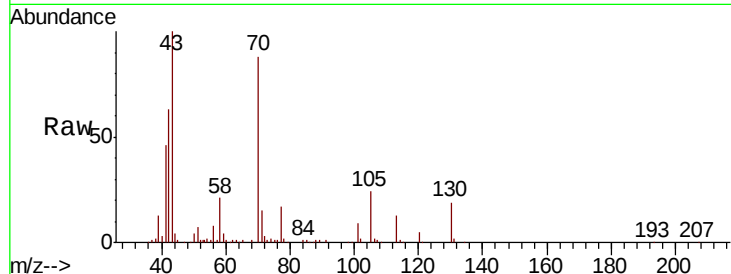
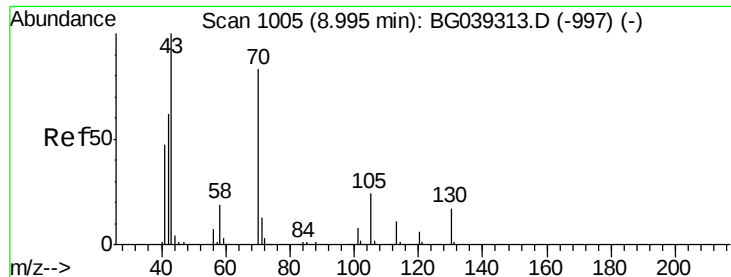
Sohil
2/13/2019 9:56:59 AM



#18
Hexachloroethane
Concen: 46.933 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

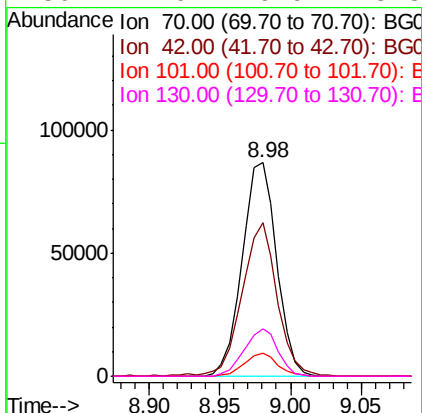
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.5	76.3	114.5	
201	114.3	91.1	136.7	





#19
n-Nitroso-di-n-propylamine
Concen: 47.097 ng
RT: 8.98 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	72.0	60.4	90.6		
101	10.6	7.5	11.3		
130	21.9	16.9	25.3		



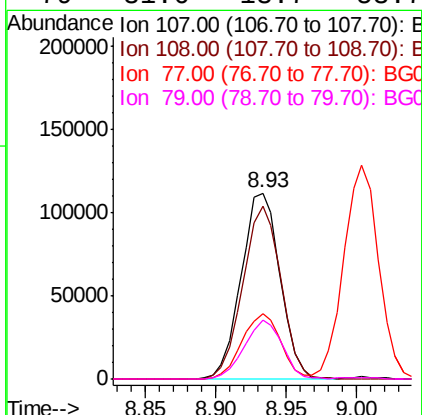
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

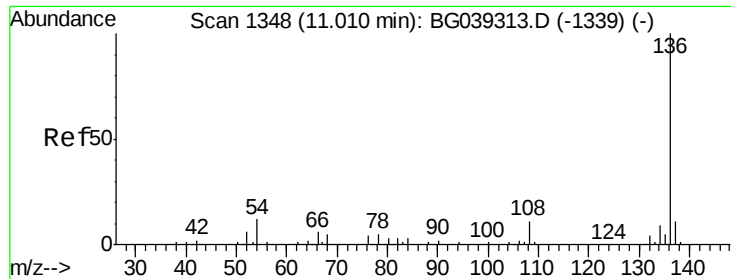
Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

#20
3+4-Methylphenols
Concen: 52.200 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.9	67.9	107.9		
77	35.0	15.4	55.4		
79	31.6	13.7	53.7		





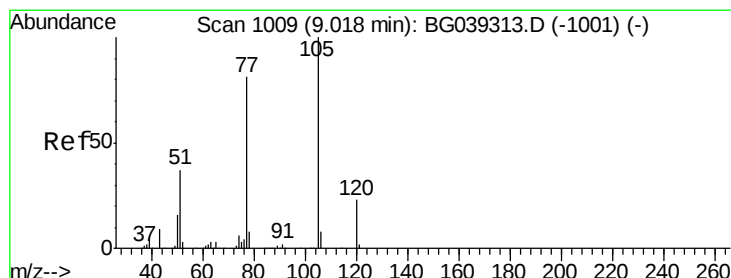
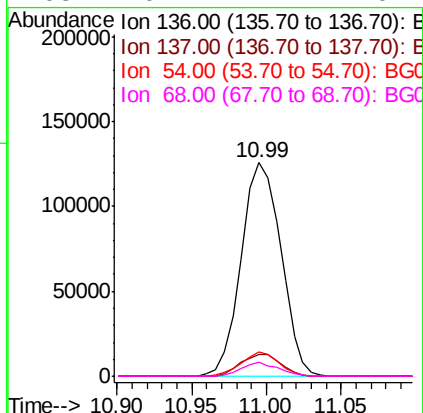
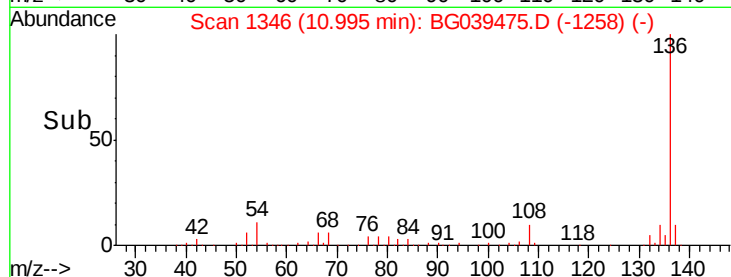
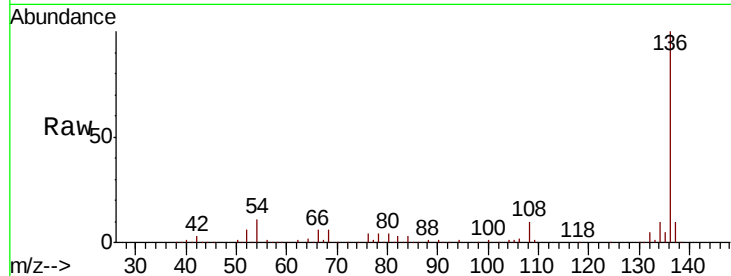
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.4	9.1	13.7
54	11.4	9.4	14.2
68	6.4	4.2	6.4

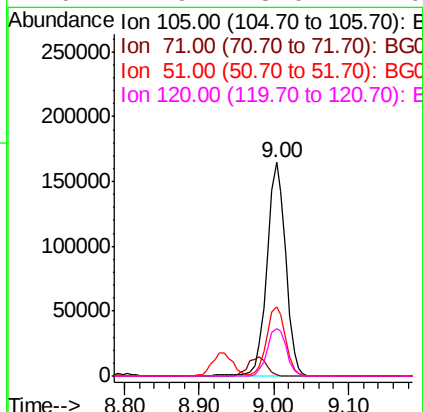
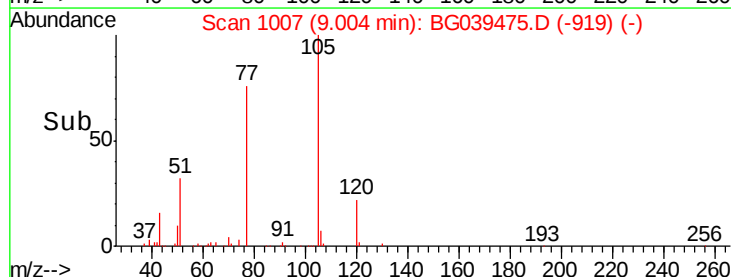
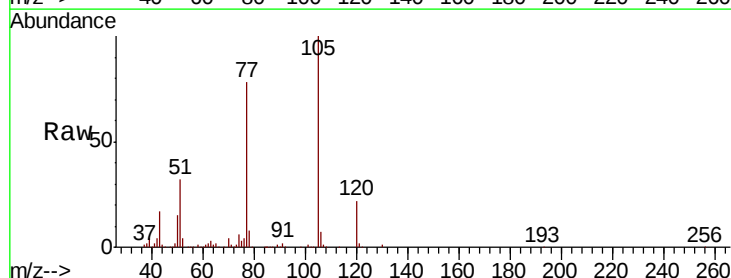
Manual Integrations
APPROVED

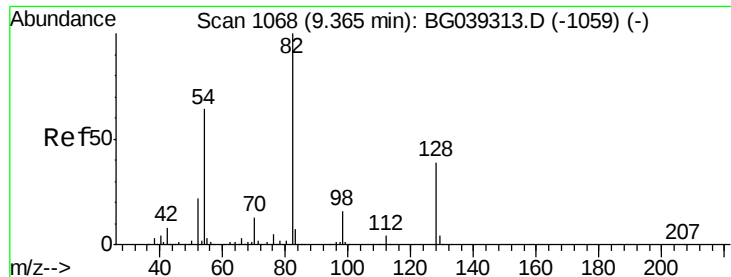
Sohil
2/13/2019 9:56:59 AM



#22
Acetophenone
Concen: 45.811 ng
RT: 9.00 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	0.8	0.8	1.2
51	32.3	30.2	45.2
120	21.9	18.0	27.0





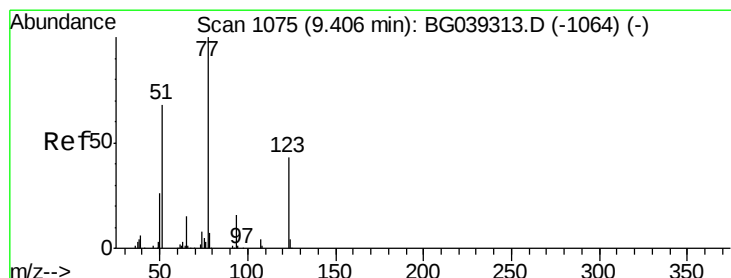
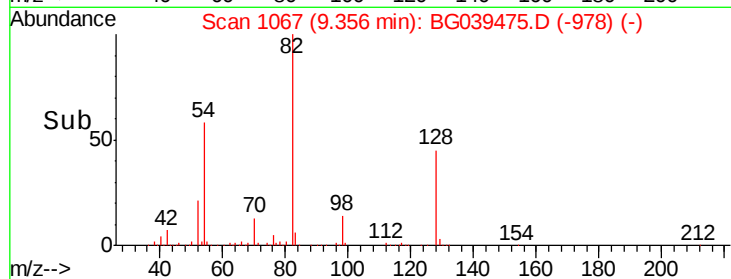
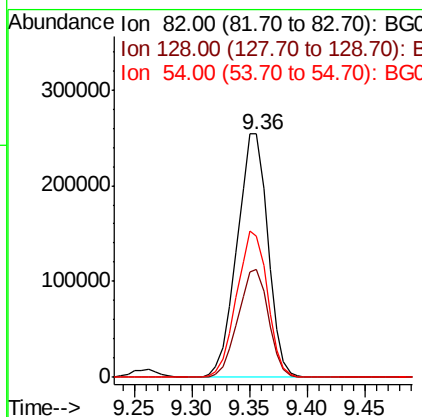
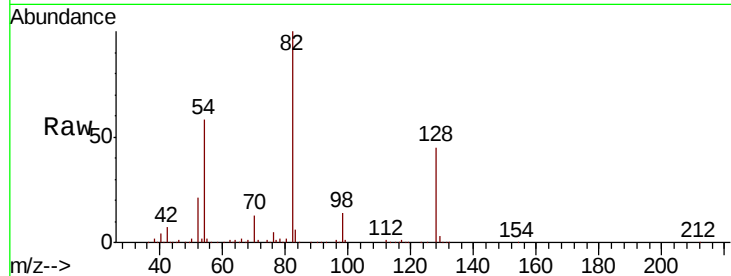
#23
Nitrobenzene-d5
Concen: 126.960 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	472368		
128	44.6	31.3	46.9	
54	58.1	50.9	76.3	

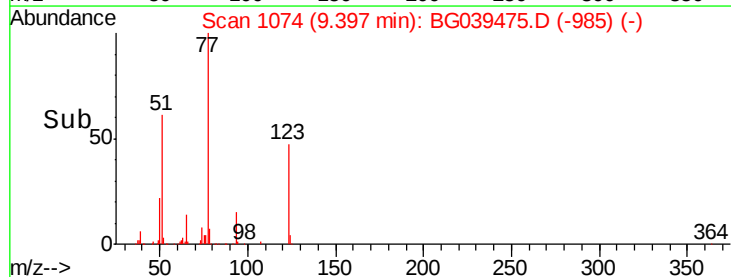
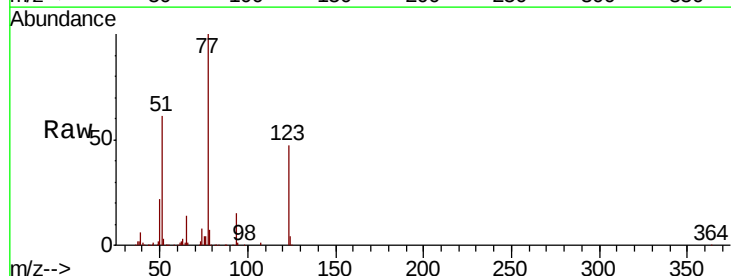
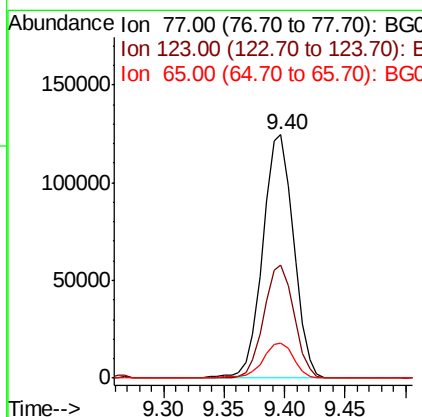
Manual Integrations
APPROVED

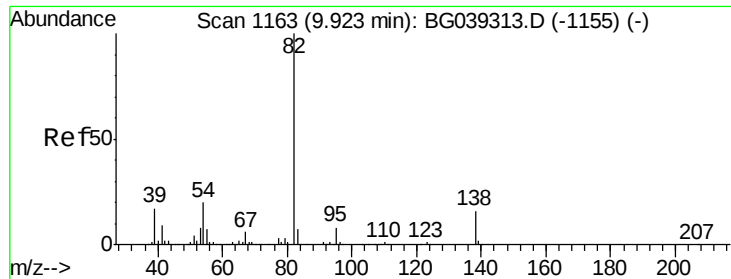
Sohil
2/13/2019 9:56:59 AM



#24
Nitrobenzene
Concen: 54.660 ng
RT: 9.40 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	219704		
123	46.6	34.1	51.1	
65	14.4	12.3	18.5	





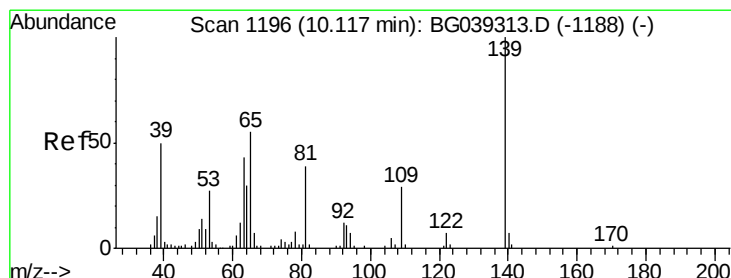
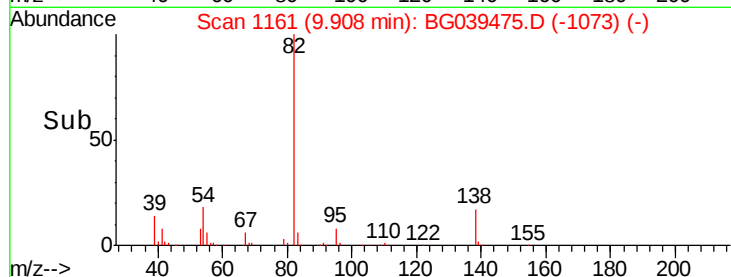
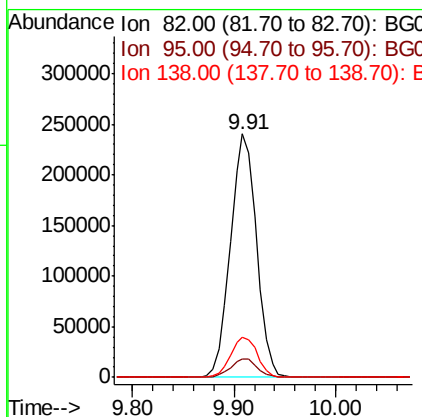
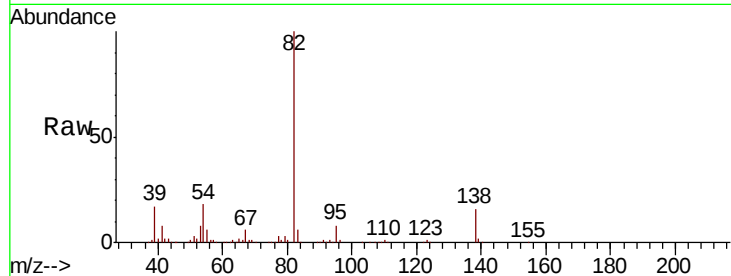
#25
Isophorone
Concen: 51.768 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	16.4	13.0	19.4

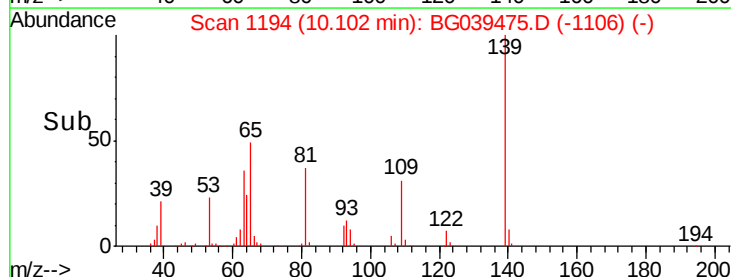
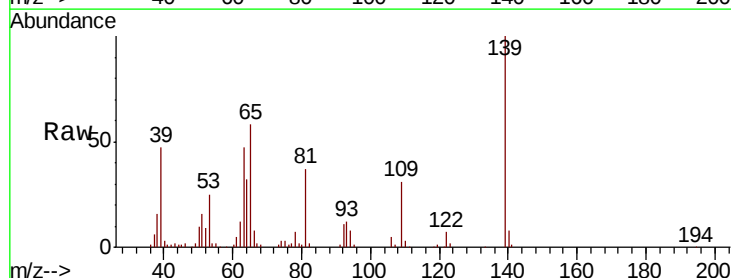
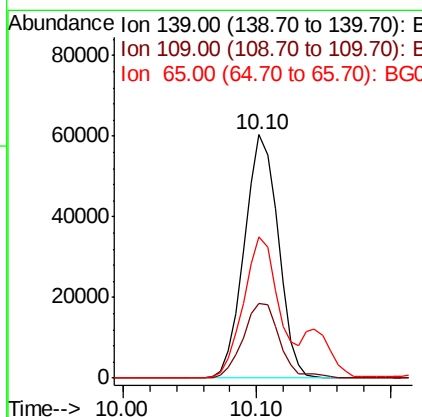
Manual Integrations
APPROVED

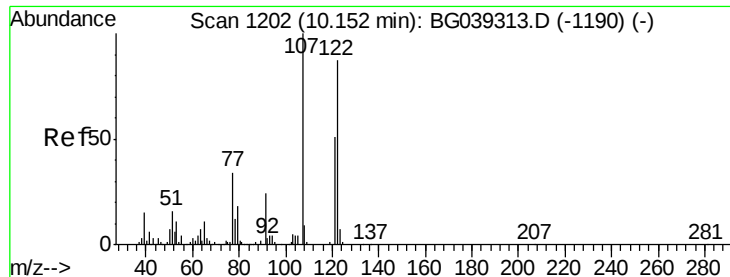
Sohil
2/13/2019 9:56:59 AM



#26
2-Nitrophenol
Concen: 61.470 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	30.8	23.4	35.0
65	58.0	44.3	66.5





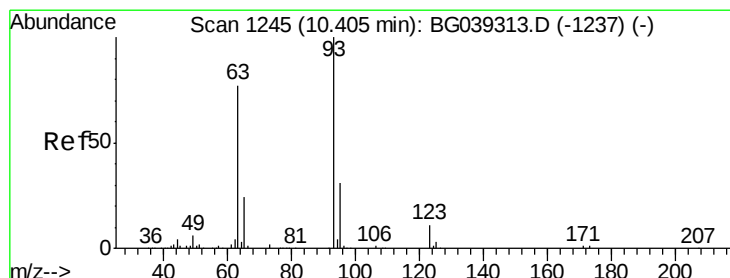
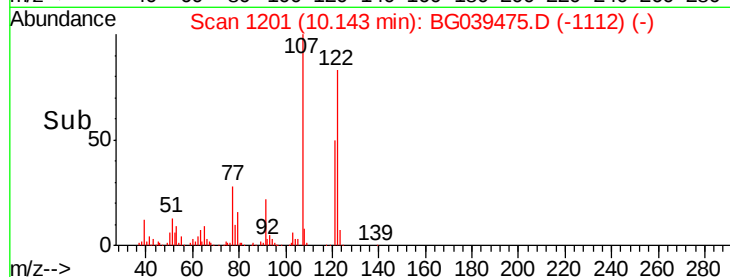
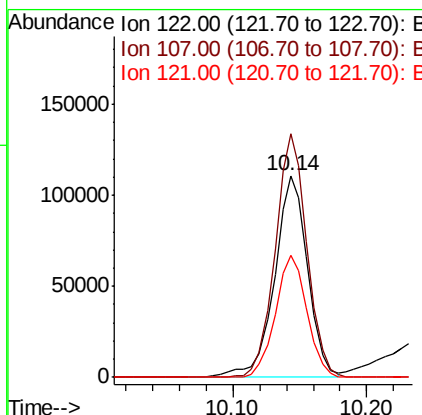
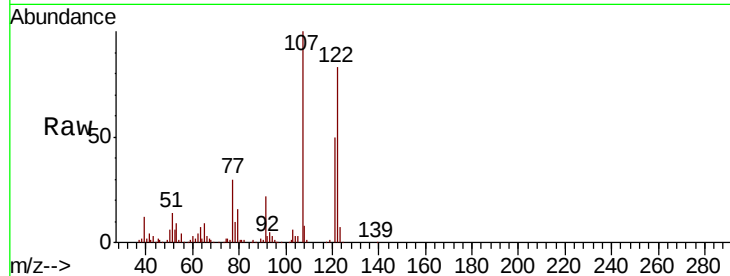
#27
2,4-Dimethylphenol
Concen: 57.362 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.5	91.7	137.5
121	60.6	46.4	69.6

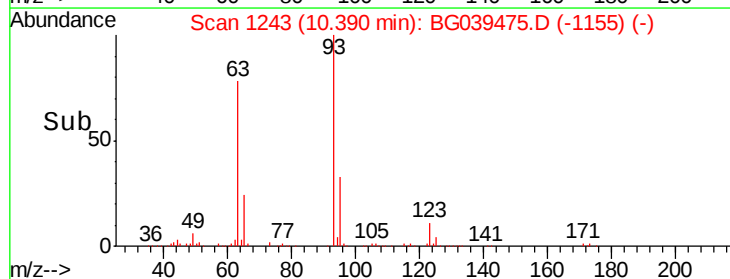
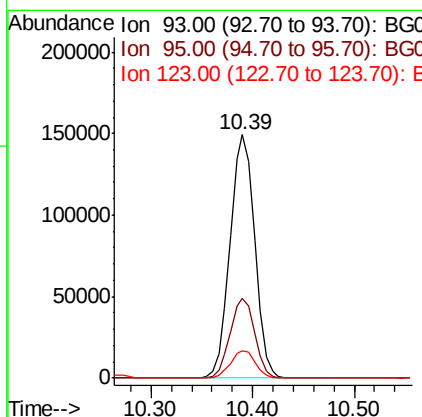
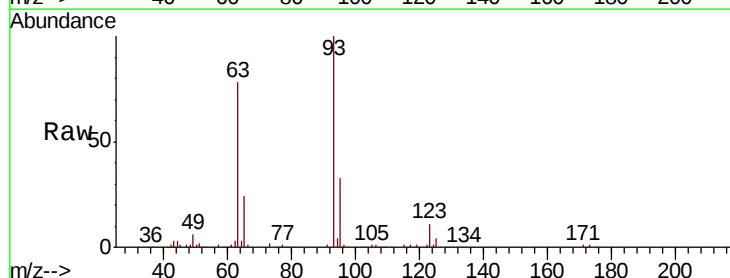
Manual Integrations
APPROVED

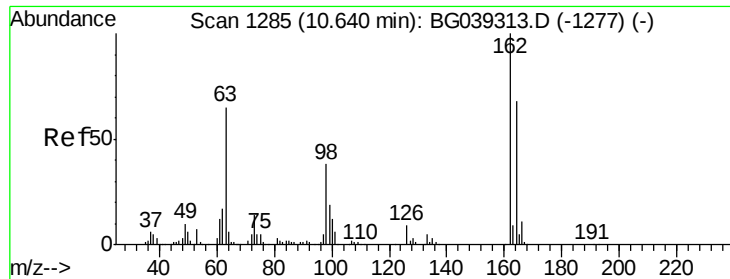
Sohil
2/13/2019 9:56:59 AM



#28
bis(2-Chloroethoxy)methane
Concen: 49.492 ng
RT: 10.39 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.0	37.4
123	11.1	8.6	12.8





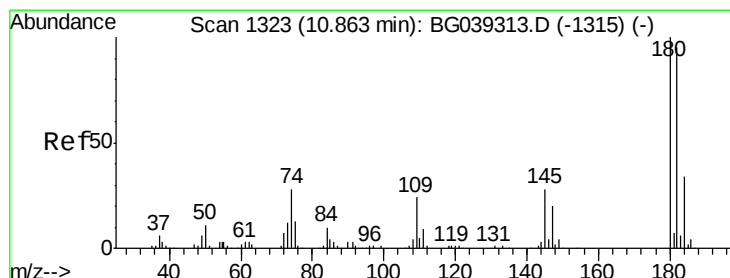
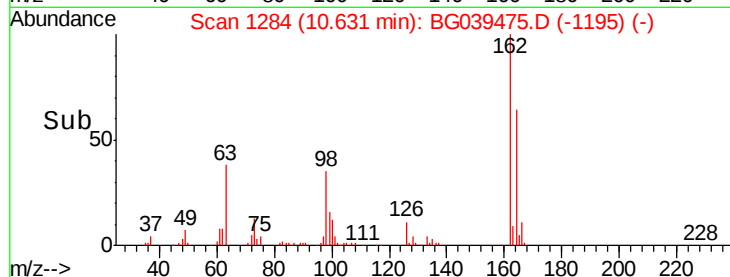
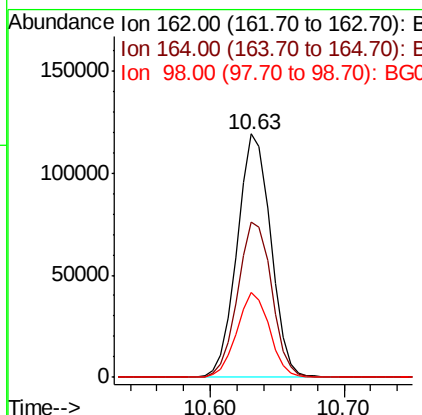
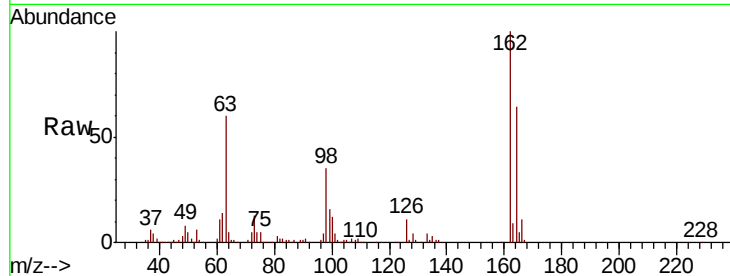
#29
2,4-Dichlorophenol
Concen: 57.043 ng
RT: 10.63 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	207933		
164	63.6	48.1	88.1	
98	34.8	18.1	58.1	

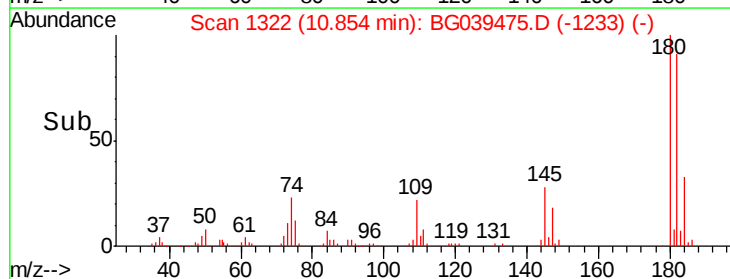
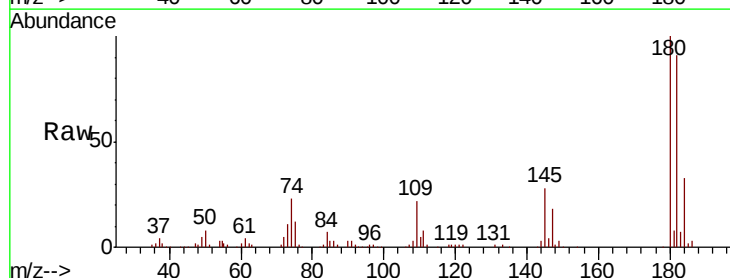
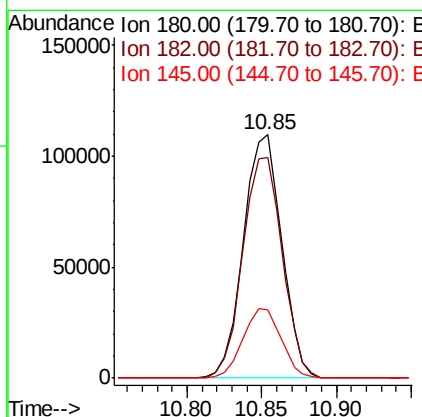
Manual Integrations
APPROVED

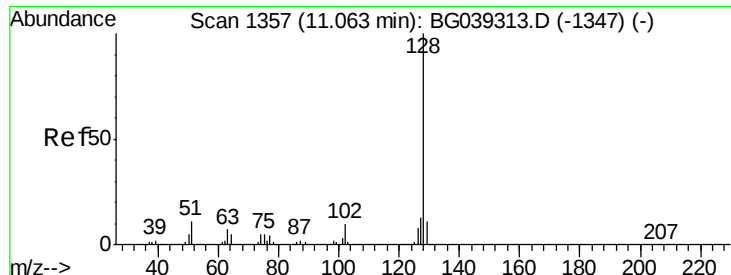
Sohil
2/13/2019 9:56:59 AM



#30
1,2,4-Trichlorobenzene
Concen: 47.537 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	194543		
182	90.7	76.0	114.0	
145	27.9	22.7	34.1	





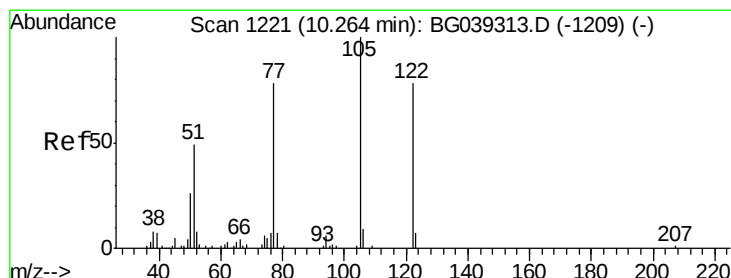
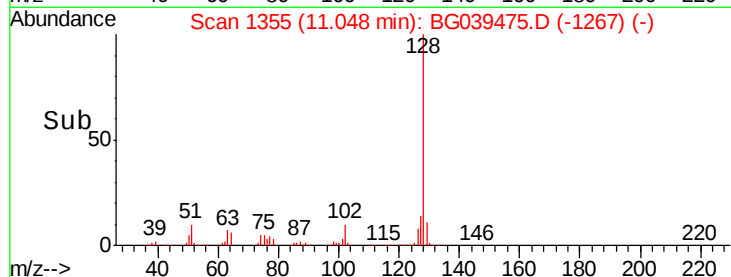
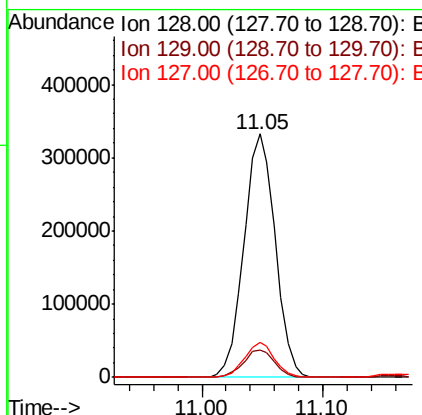
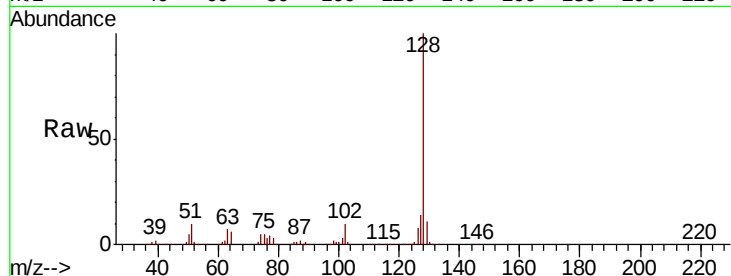
#31
Naphthalene
Concen: 51.975 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	14.3	10.8	16.2

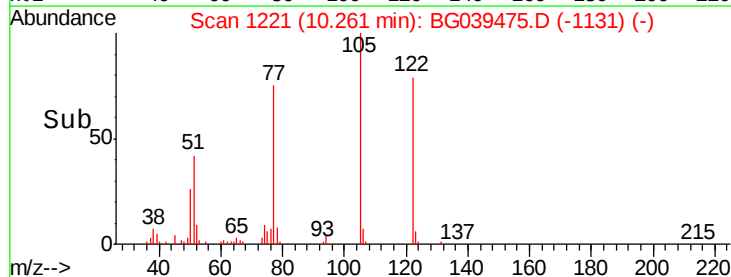
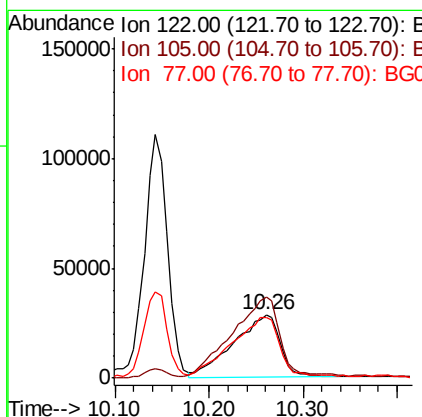
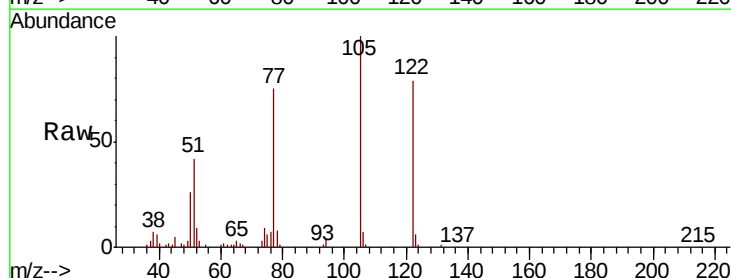
Manual Integrations
APPROVED

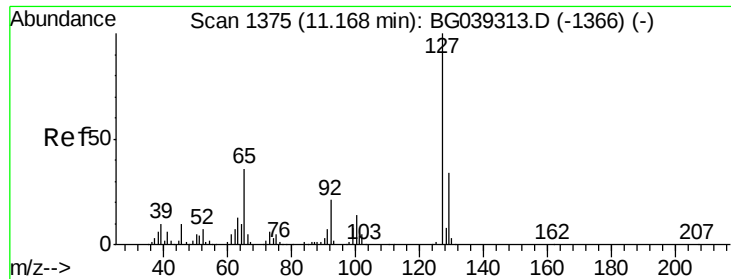
Sohil
2/13/2019 9:56:59 AM



#32
Benzoic acid
Concen: 45.015 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.1	101.8	141.8
77	95.8	76.3	116.3





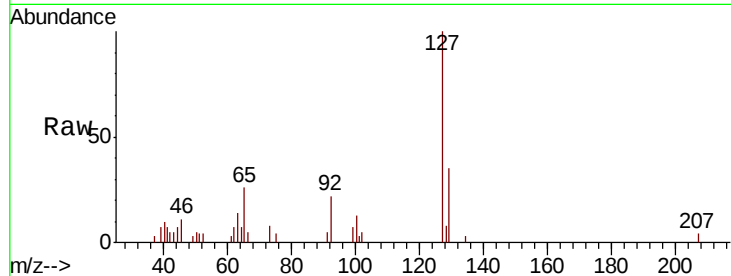
#33
4-Chloroaniline
Concen: 2.094 ng
RT: 11.15 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

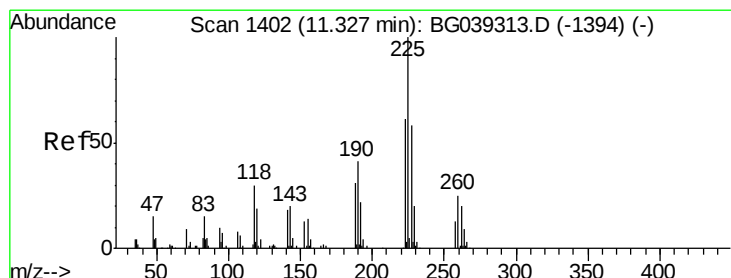
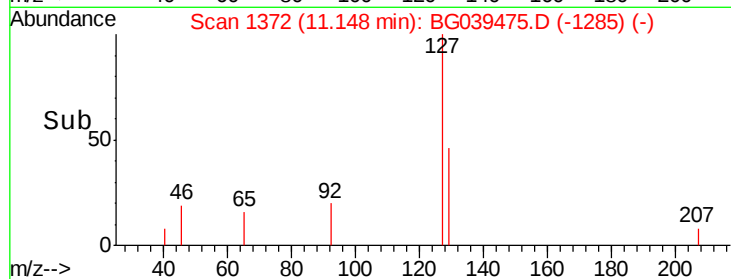
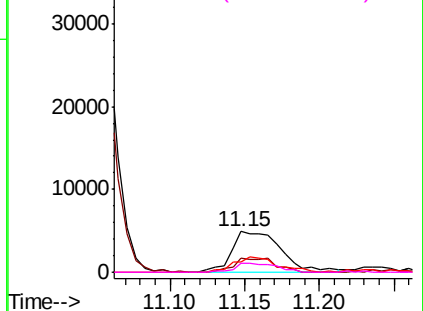
Tot Ion	Ratio	Lower	Upper
127	100		
129	35.0	27.0	40.4
65	26.5	28.8	43.2
92	22.2	16.6	25.0

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



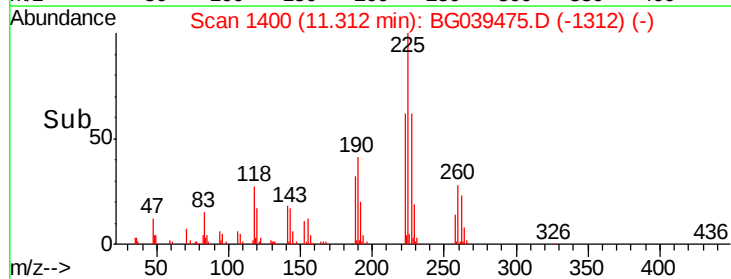
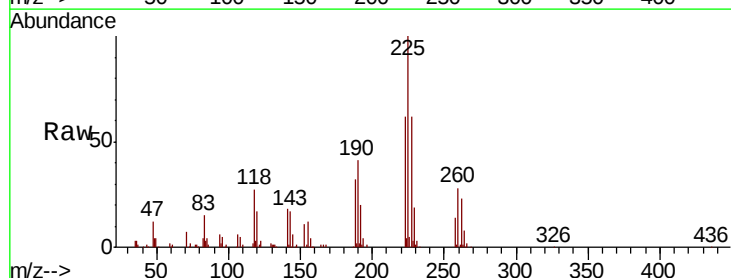
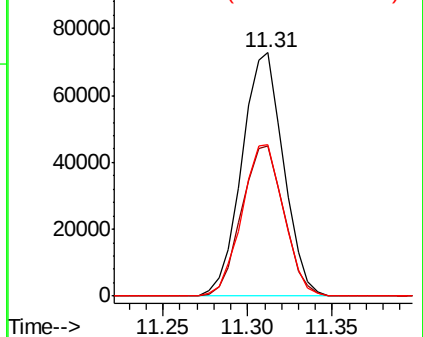
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

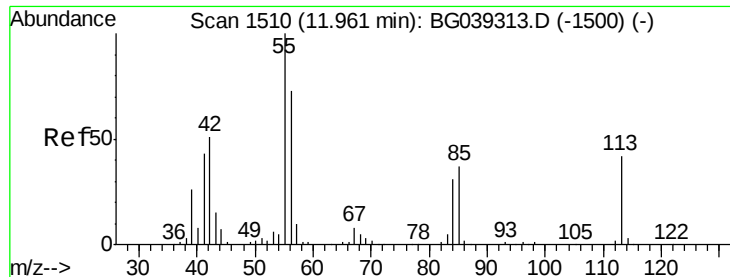


#34
Hexachlorobutadiene
Concen: 45.744 ng
RT: 11.31 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.0	73.6
227	62.0	46.3	69.5

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: 31.334 ng/mL

RT: 11.94 min Scan# 1507

Delta R.T. -0.02 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:113 Resp: 47265

Ion Ratio Lower Upper

113 100

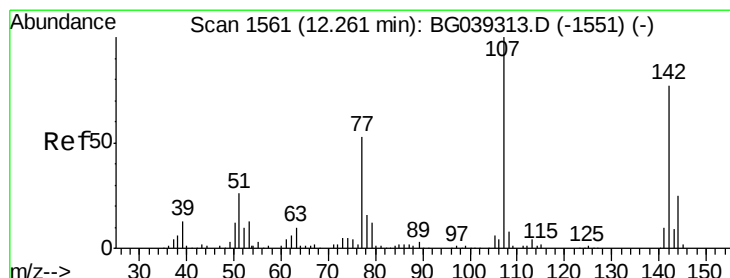
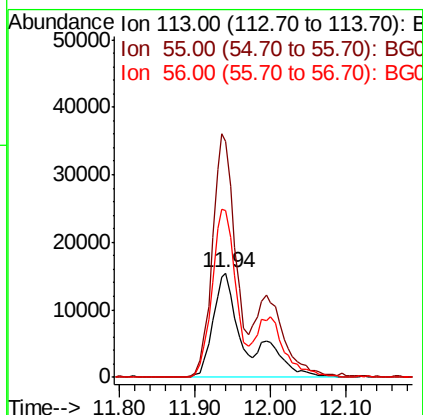
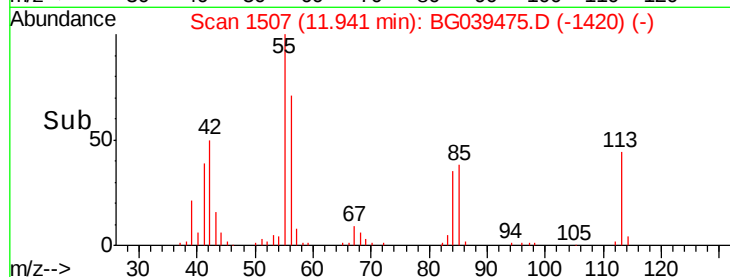
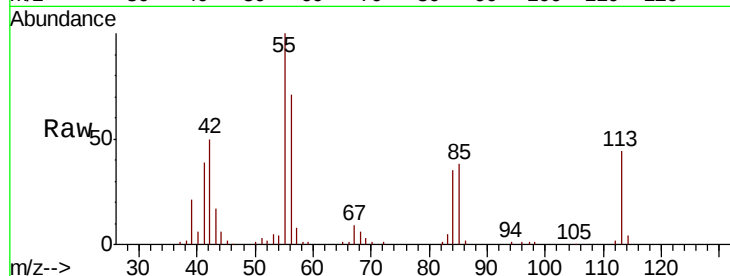
55 225.8 216.9 256.9

56 160.6 152.6 192.6

Manual Integrations
APPROVED

Sohil

2/13/2019 9:56:59 AM



#36

4-Chloro-3-methylphenol

Concen: 52.423 ng/mL

RT: 12.25 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

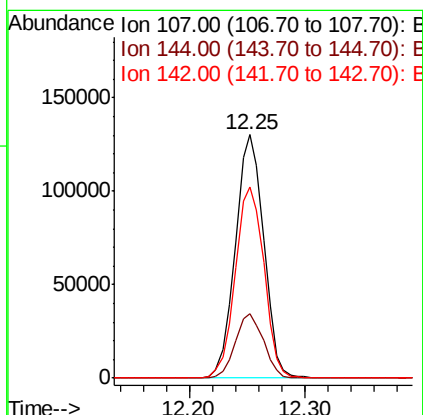
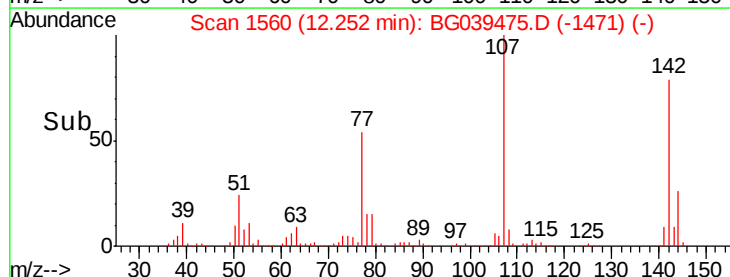
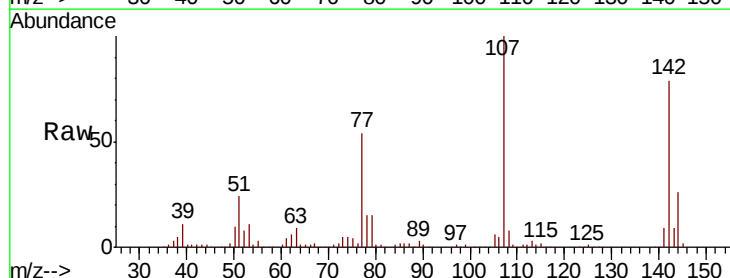
Tgt Ion:107 Resp: 221000

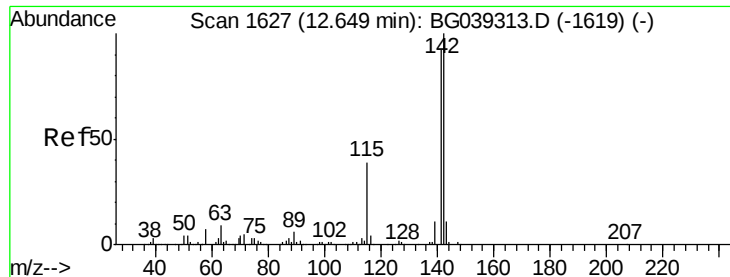
Ion Ratio Lower Upper

107 100

144 26.3 20.2 30.2

142 78.6 61.4 92.2





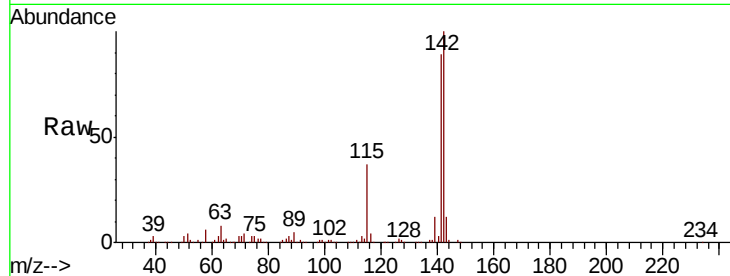
#37
2-Methylnaphthalene
Concen: 52.588 ng
RT: 12.64 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.5	110.3
115	36.6	30.8	46.2

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

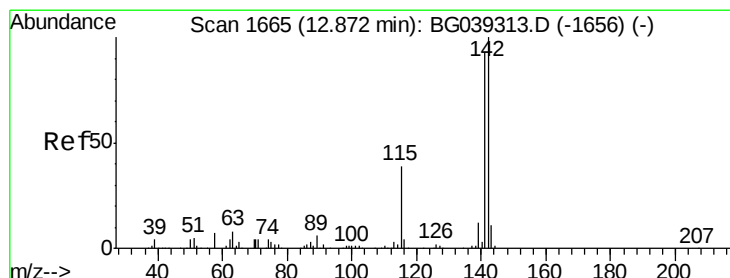
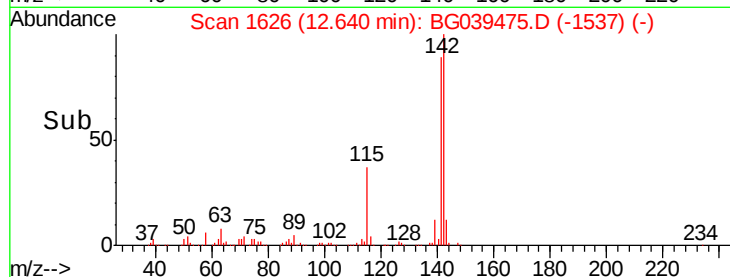
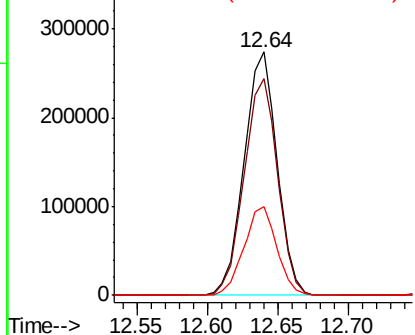


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 52.005 ng
RT: 12.86 min Scan# 1663
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

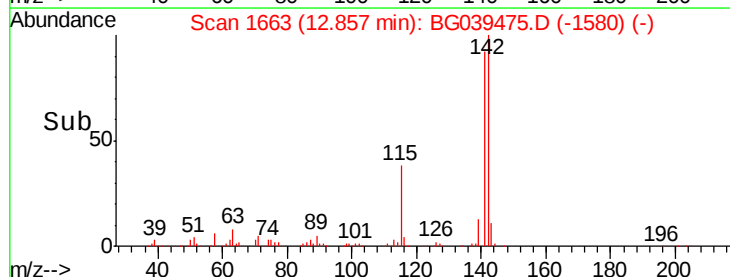
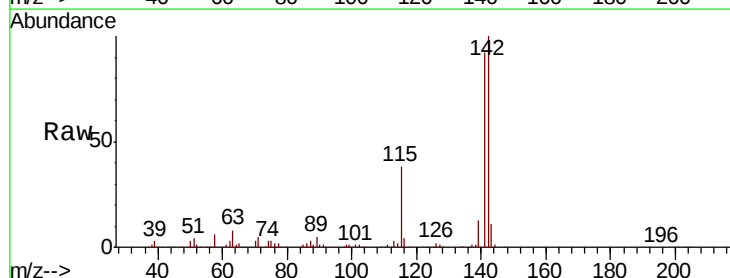
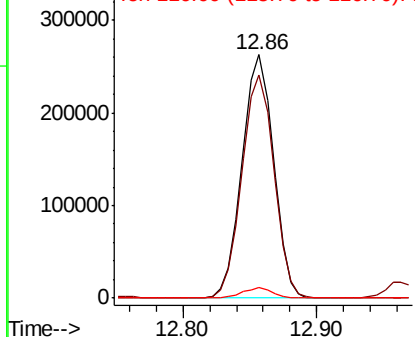
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4
116	4.4	3.0	4.6

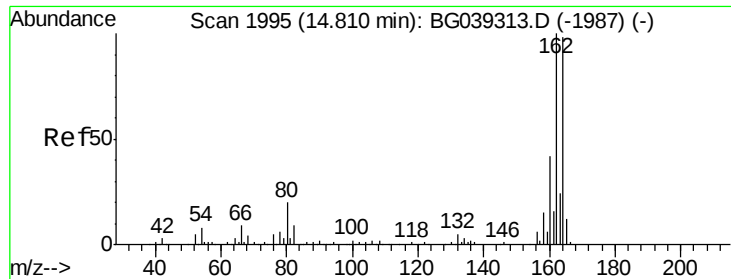
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





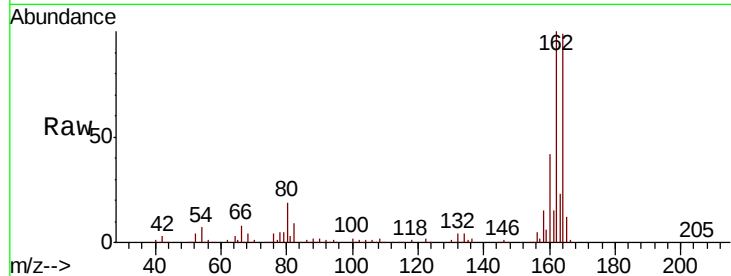
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.6	122.4
160	42.5	34.2	51.2

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

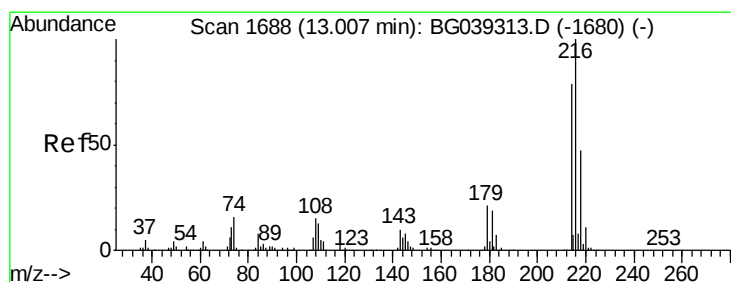
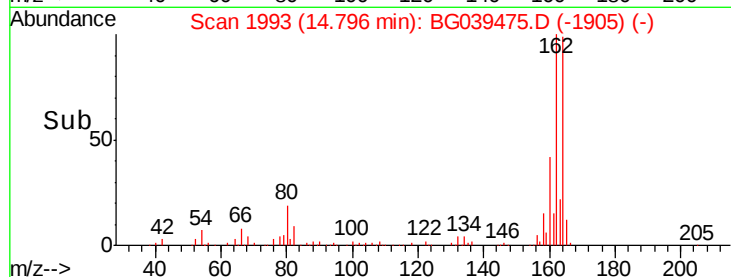
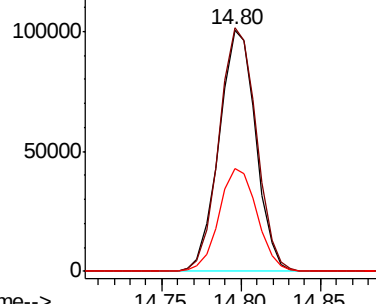


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.035 ng
RT: 13.00 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	94.0
179	20.8	16.6	25.0
108	17.8	14.0	21.0

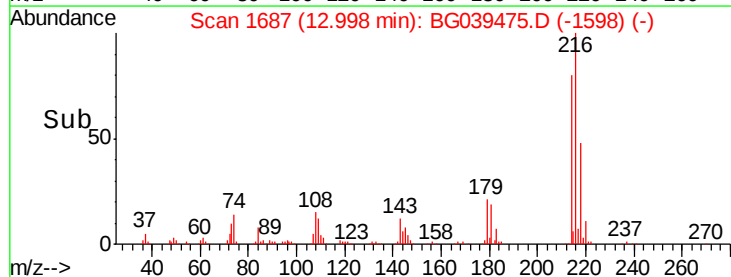
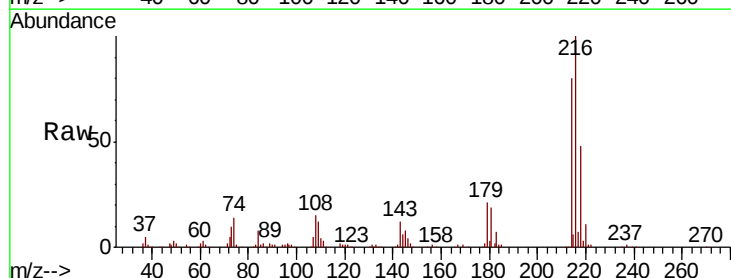
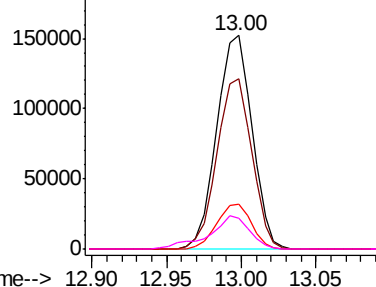
Abundance

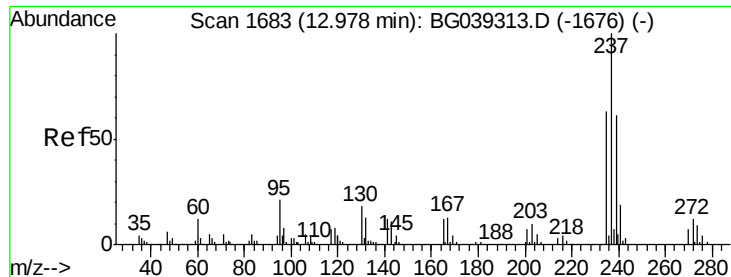
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 93.400 ng

RT: 12.96 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

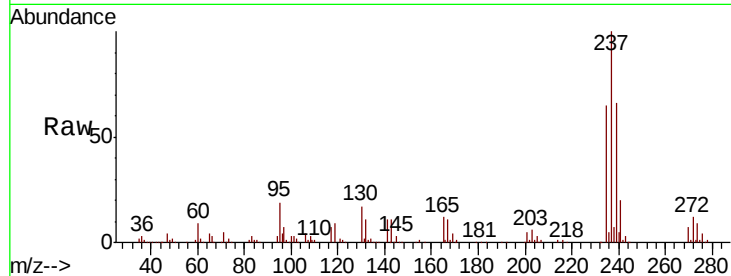
ClientSampleId :

IDW-SOIL-01MSD

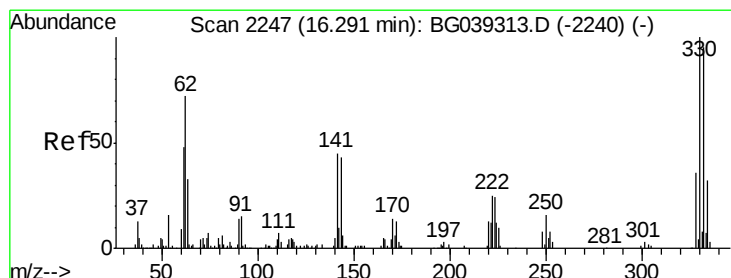
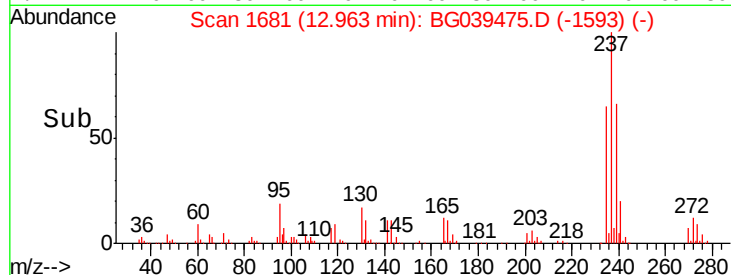
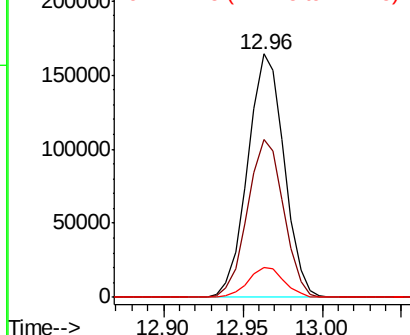
Tot Ion:	237	Resp:	262139
Ion Ratio		Lower	Upper
237	100		
235	65.0	43.3	83.3
272	12.4	0.0	32.3

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



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



#42

2,4,6-Tribromophenol

Concen: 179.188 ng

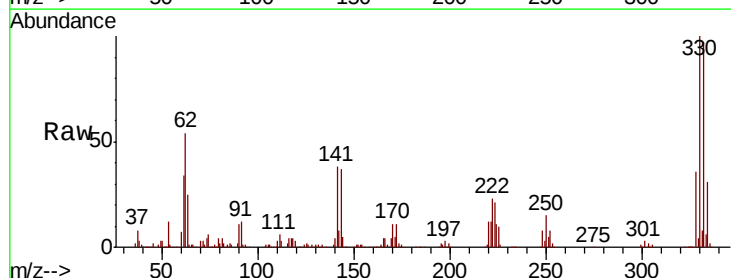
RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

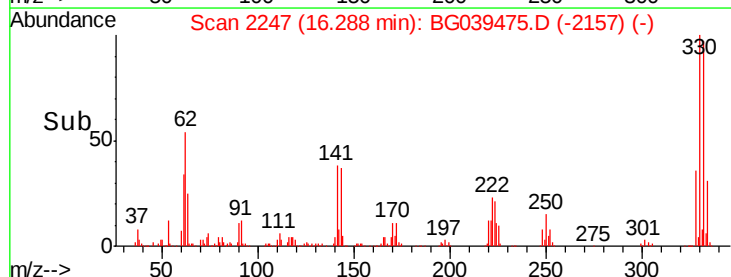
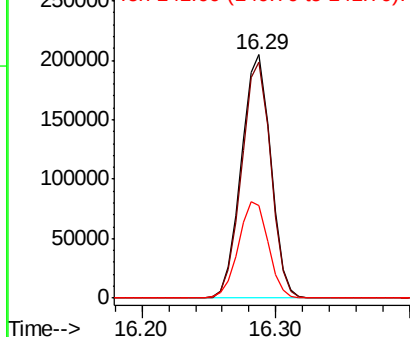
Lab File: BG039475.D

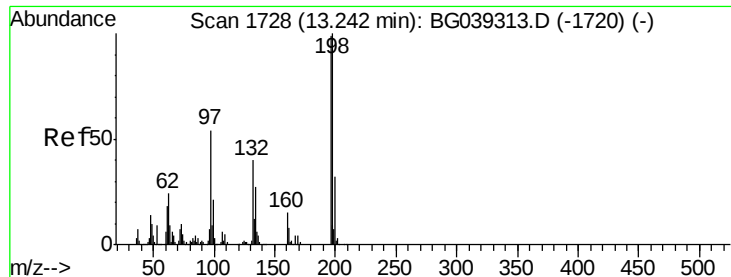
Acq: 12 Feb 2019 22:32

Tgt Ion:	330	Resp:	312358
Ion Ratio		Lower	Upper
330	100		
332	96.1	75.7	113.5
141	40.0	35.6	53.4



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





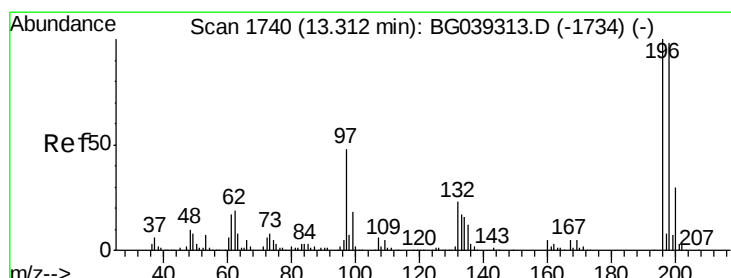
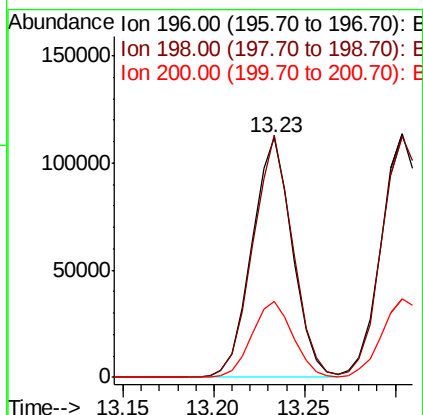
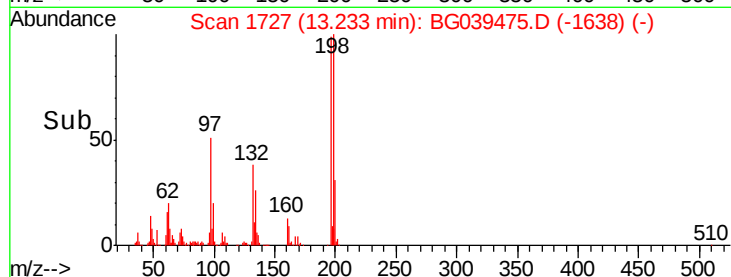
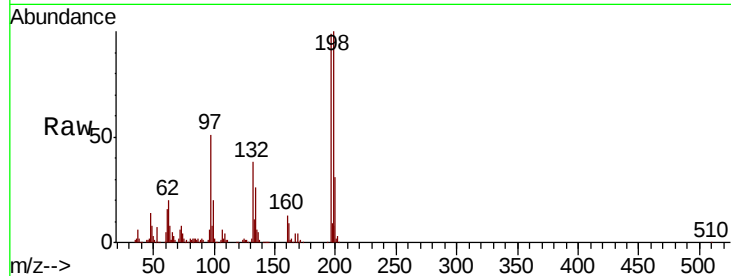
#43
2,4,6-Trichlorophenol
Concen: 55.192 ng
RT: 13.23 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	174786		
198	101.1	80.6	121.0	
200	31.5	26.1	39.1	

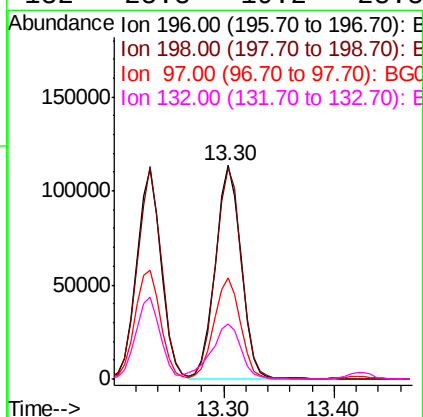
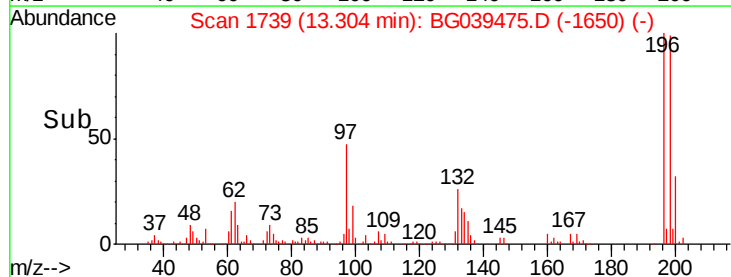
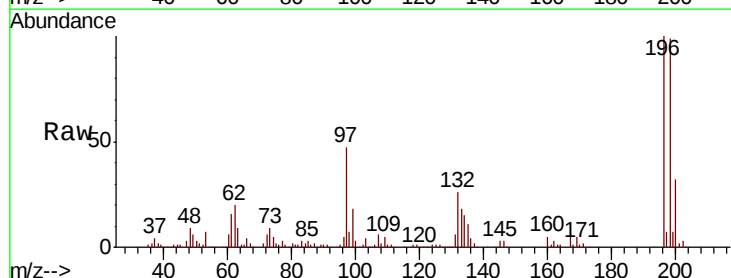
Manual Integrations
APPROVED

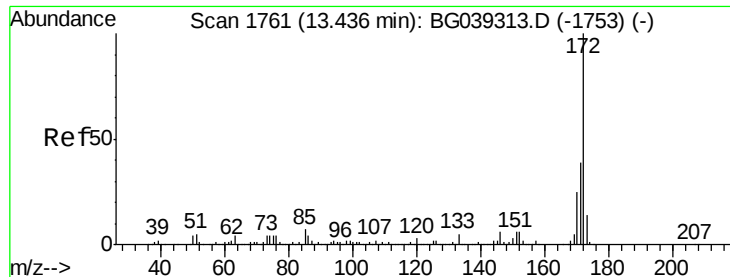
Sohil
2/13/2019 9:56:59 AM



#44
2,4,5-Trichlorophenol
Concen: 55.769 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	185105		
198	99.0	78.5	117.7	
97	47.3	38.4	57.6	
132	25.8	19.2	28.8	





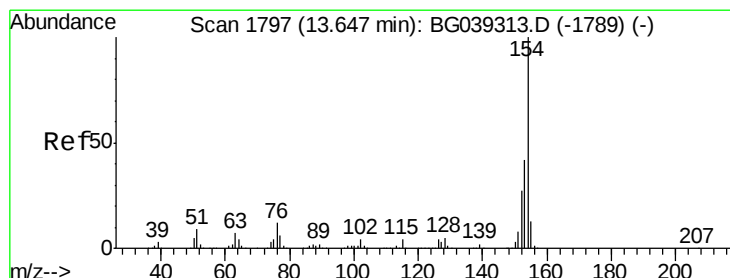
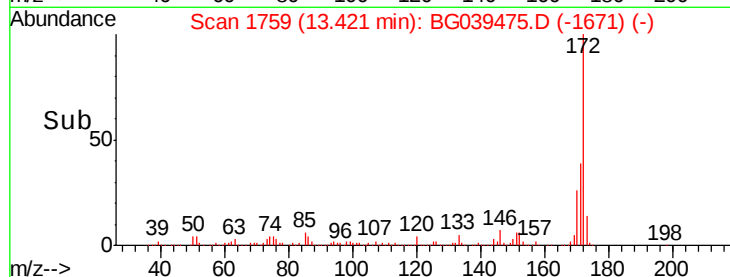
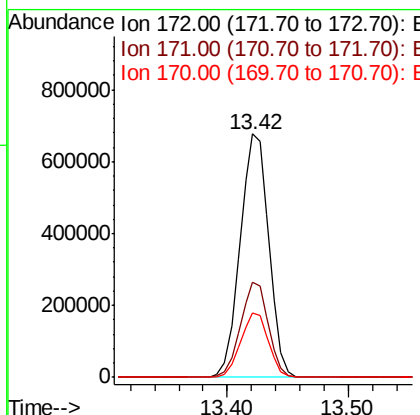
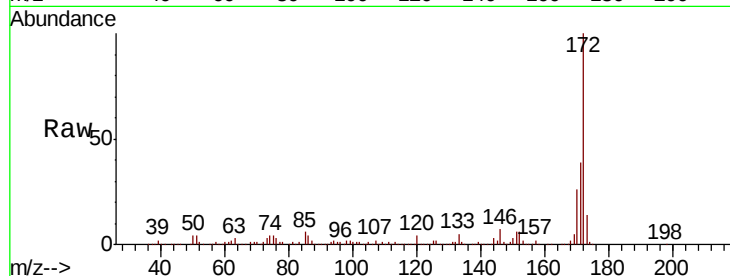
#45
2-Fluorobiphenyl
Concen: 98.881 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.8	46.2
170	26.3	20.2	30.4

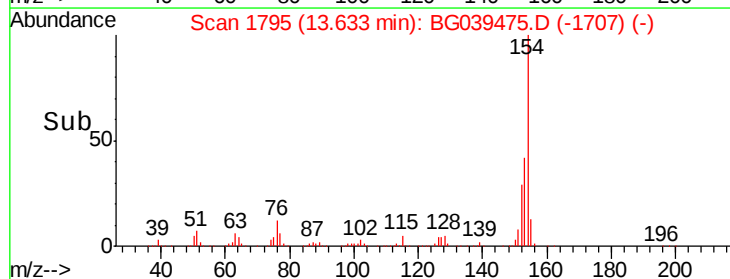
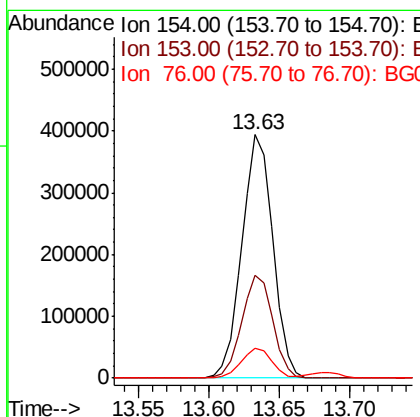
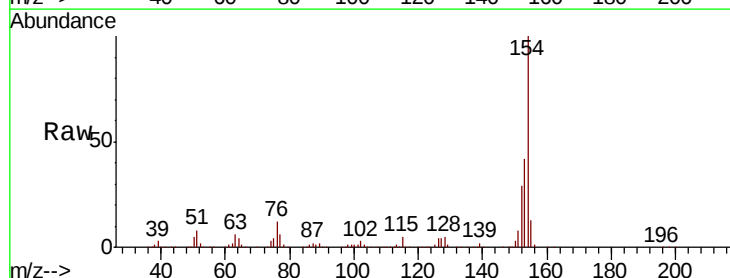
Manual Integrations
APPROVED

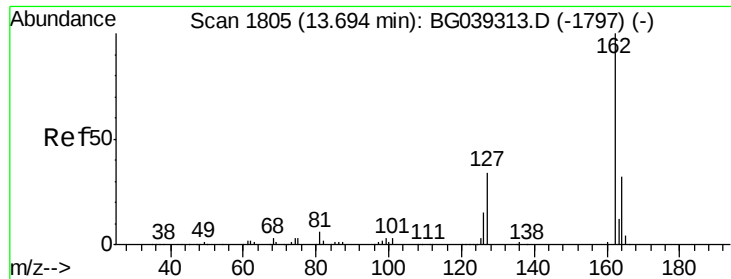
Sohil
2/13/2019 9:56:59 AM



#46
1,1'-Biphenyl
Concen: 44.884 ng
RT: 13.63 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	22.1	62.1
76	12.0	0.0	32.4





#47

2-Chloronaphthalene

Concen: 45.645 ng

RT: 13.69 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

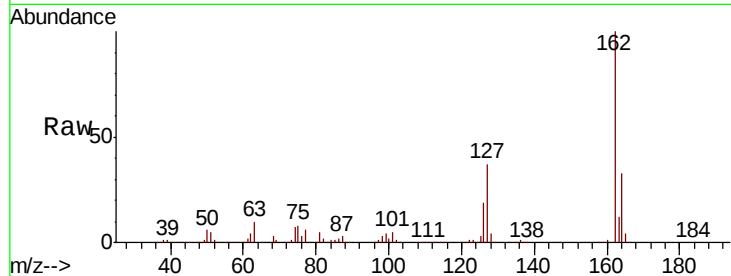
ClientSampled :

IDW-SOIL-01MSD

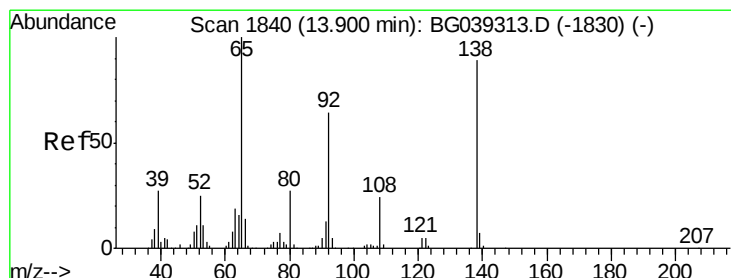
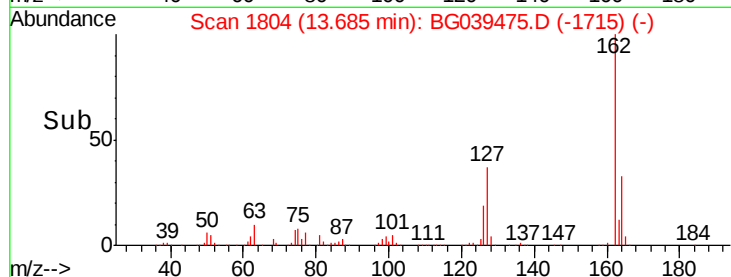
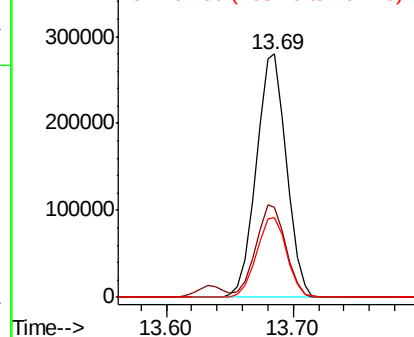
Tot Ion:	162	Resp:	462489
Ion Ratio	Lower	Upper	
162	100		
127	37.1	31.0	46.6
164	32.7	25.7	38.5

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 54.249 ng

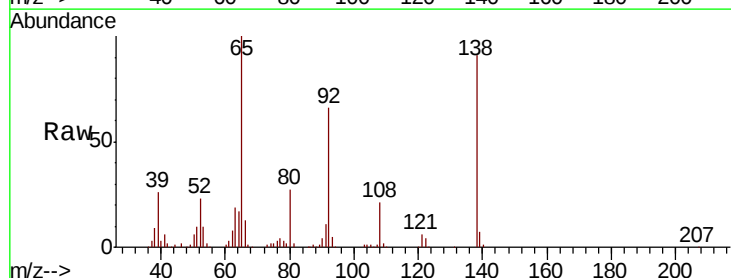
RT: 13.89 min Scan# 1838

Delta R.T. -0.01 min

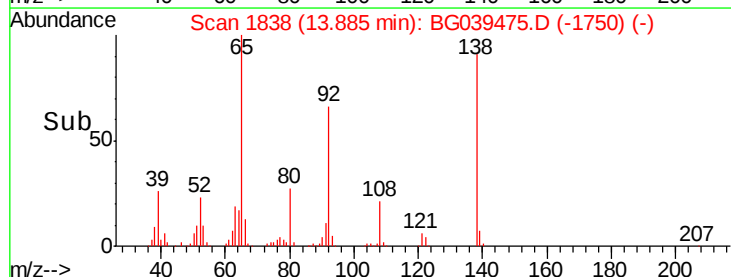
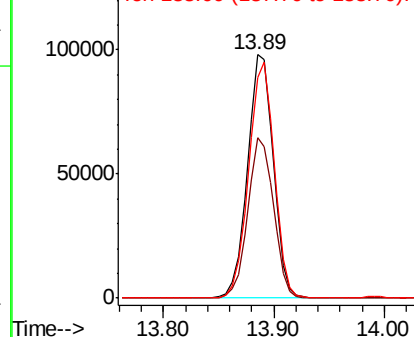
Lab File: BG039475.D

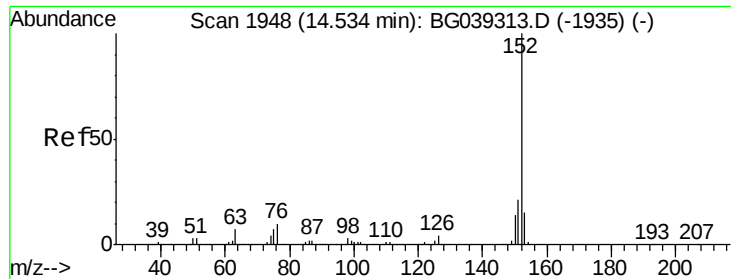
Acq: 12 Feb 2019 22:32

Tgt Ion:	65	Resp:	161700
Ion Ratio	Lower	Upper	
65	100		
92	65.7	51.4	77.2
138	90.6	71.4	107.2



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





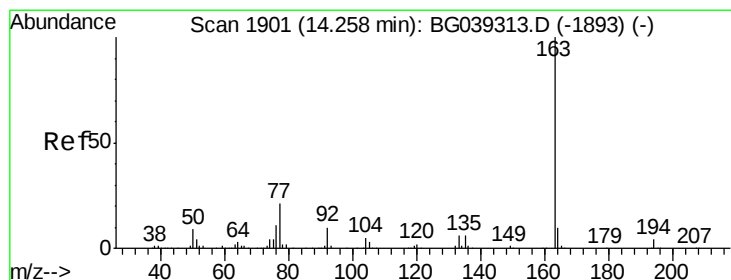
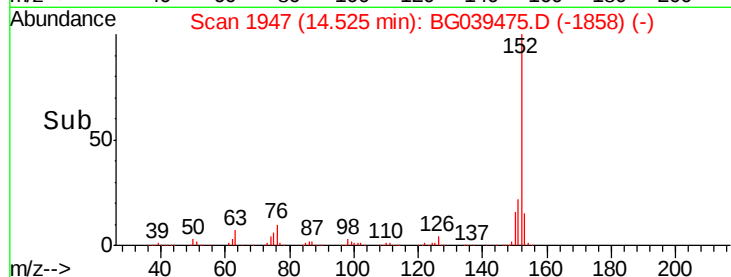
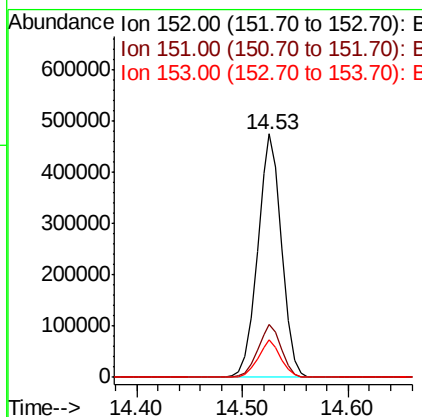
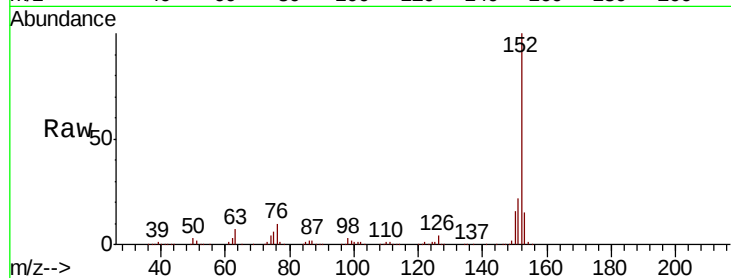
#49
Acenaphthylene
Concen: 48.583 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.8	25.2
153	15.3	11.7	17.5

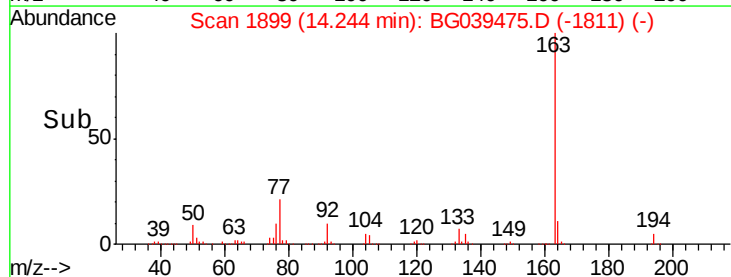
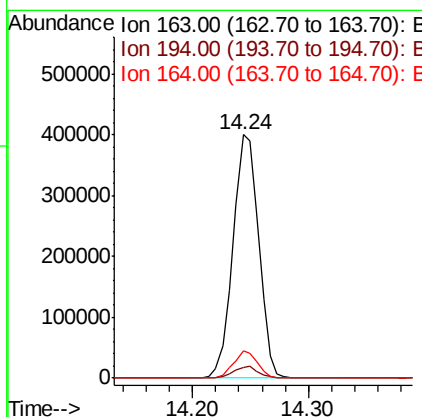
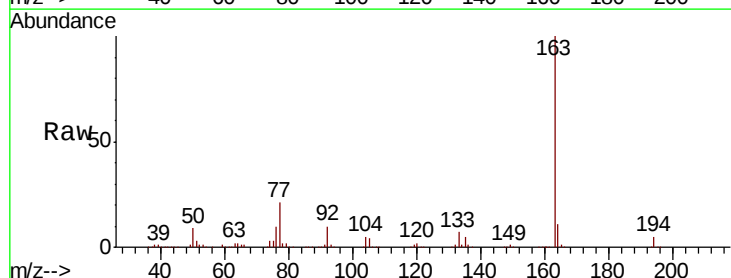
Manual Integrations
APPROVED

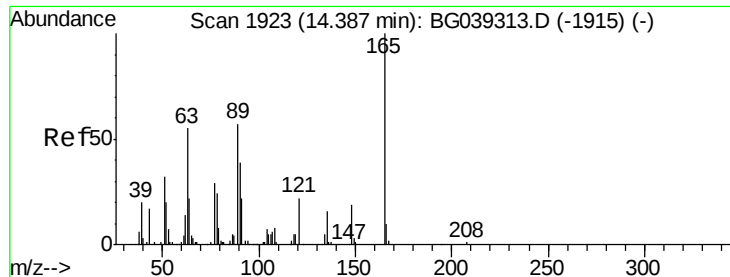
Sohil
2/13/2019 9:56:59 AM



#50
Dimethylphthalate
Concen: 47.073 ng
RT: 14.24 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.6	5.4
164	11.0	8.4	12.6





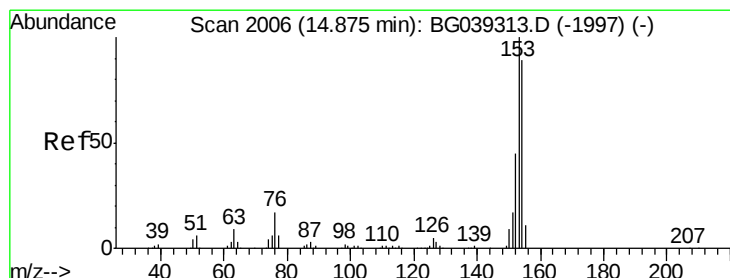
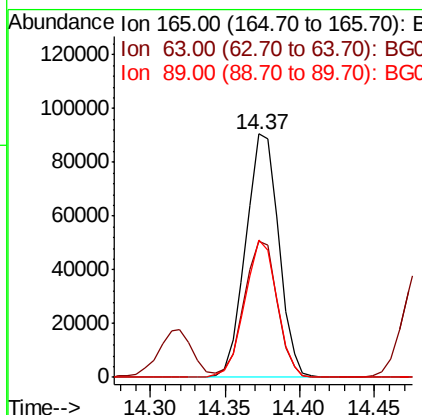
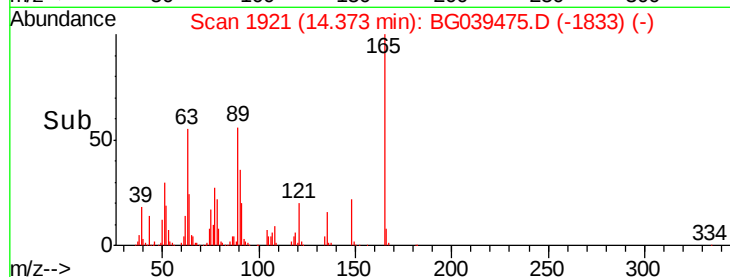
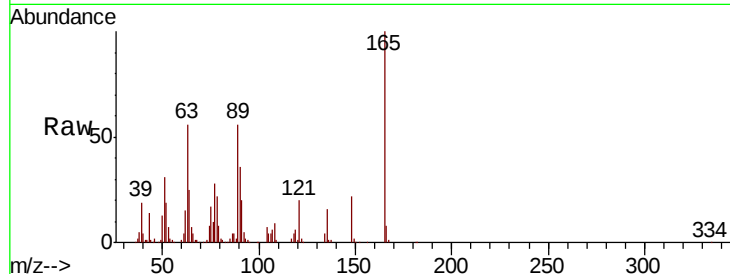
#51
2,6-Dinitrotoluene
Concen: 55.366 ng
RT: 14.37 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	138135		
63	56.0		47.0	70.6
89	56.3		45.8	68.8

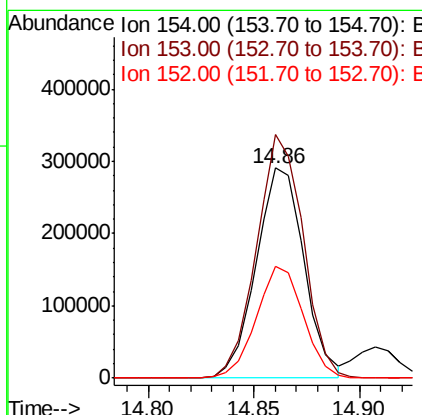
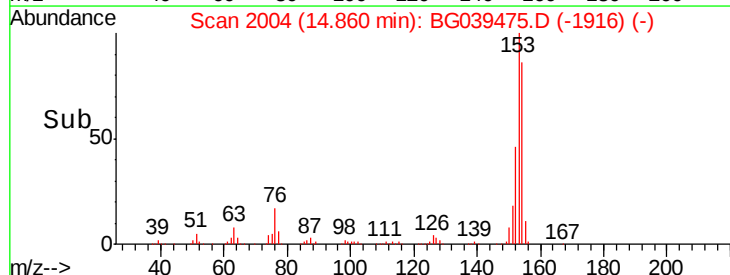
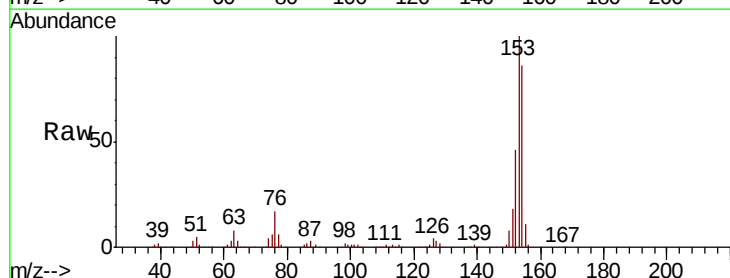
Manual Integrations
APPROVED

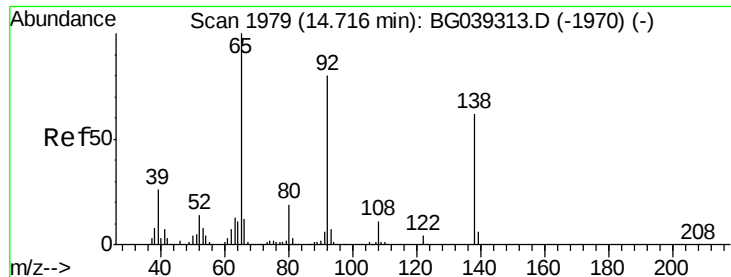
Sohil
2/13/2019 9:56:59 AM



#52
Acenaphthene
Concen: 46.145 ng
RT: 14.86 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	457957		
153	115.9		90.1	135.1
152	53.5		40.9	61.3





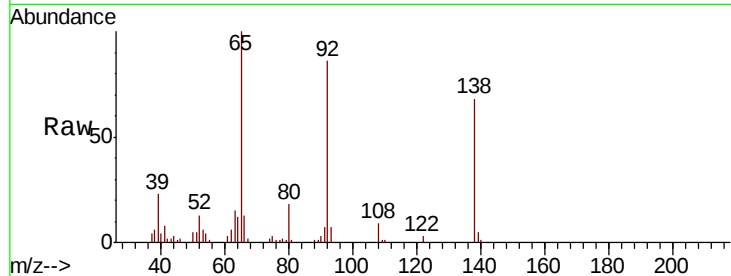
#53
3-Nitroaniline
Concen: 12.589 ng
RT: 14.70 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.8	13.8	20.8#
92	125.7	103.7	155.5

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

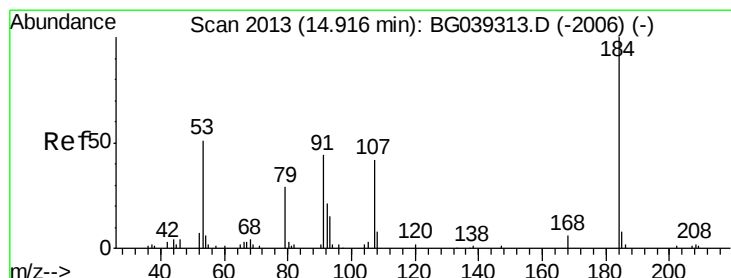
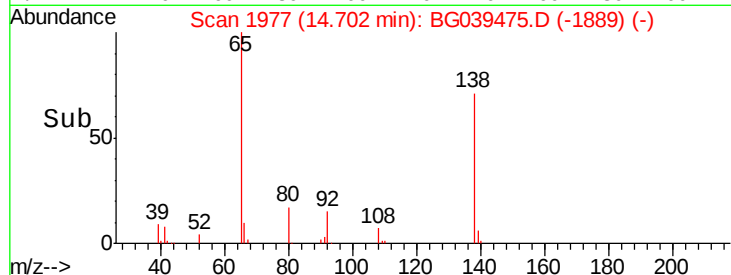
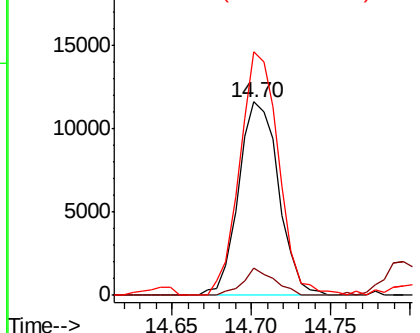


Abundance

Ion 138.00 (137.70 to 138.70): E

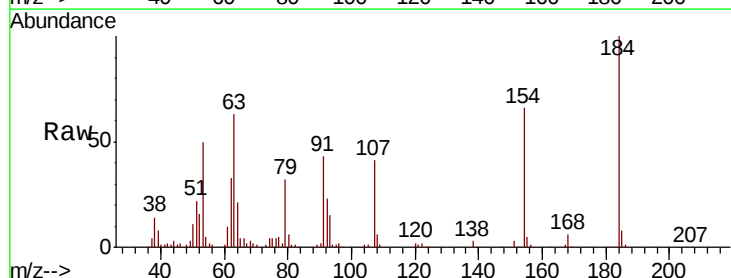
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54
2,4-Dinitrophenol
Concen: 91.315 ng
RT: 14.91 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.5	50.9	76.3
154	66.0	53.0	79.6

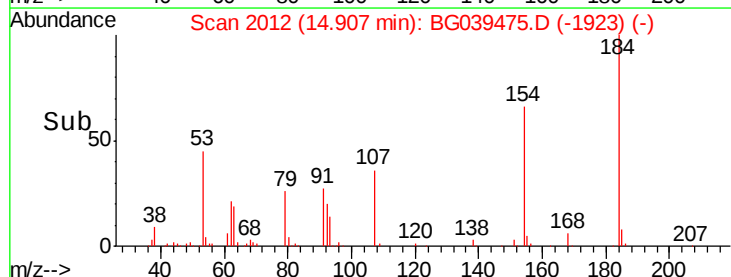
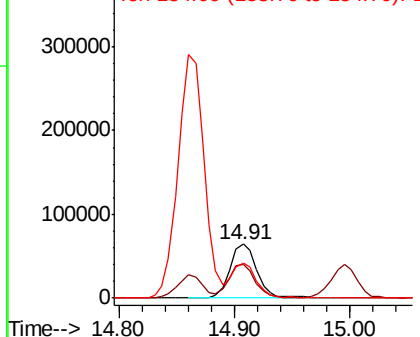


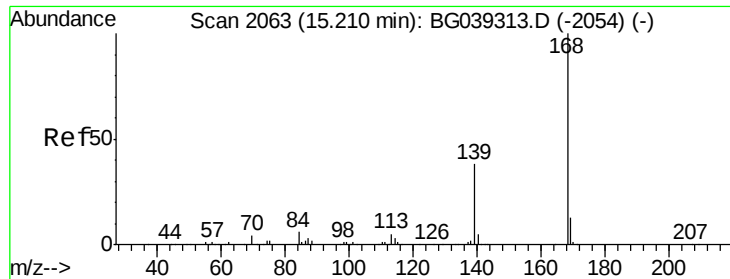
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





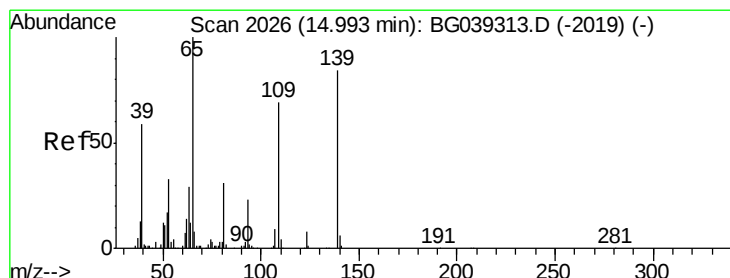
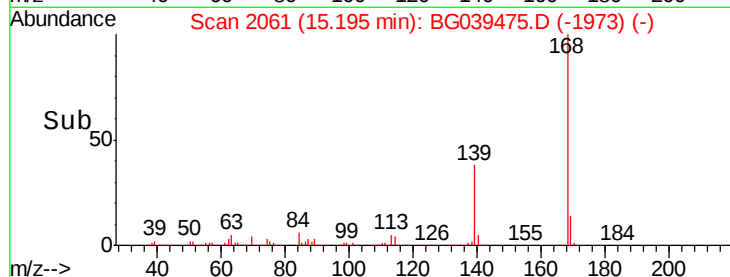
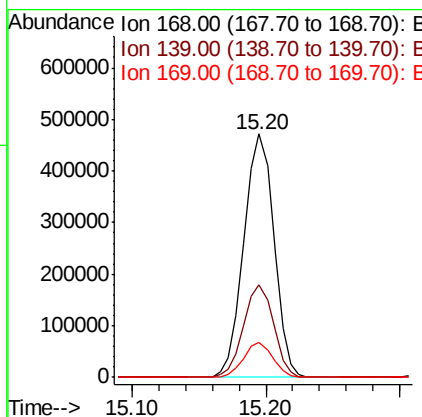
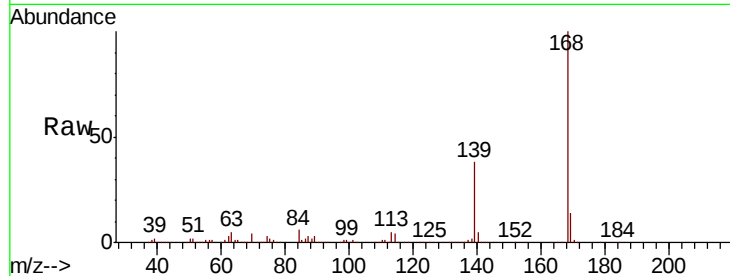
#55
Dibenzofuran
Concen: 46.197 ng
RT: 15.20 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.1	45.1
169	14.2	10.6	16.0

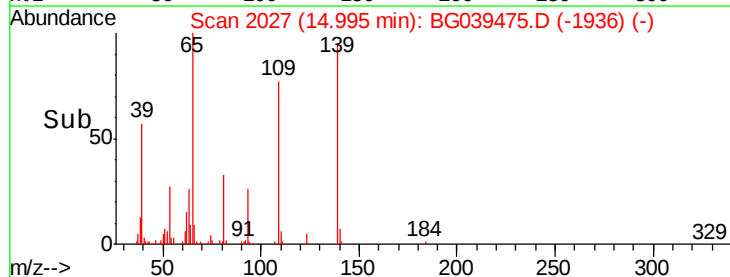
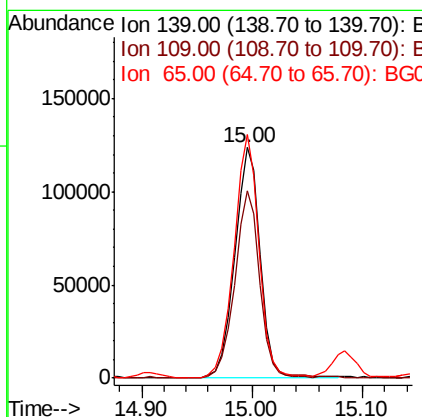
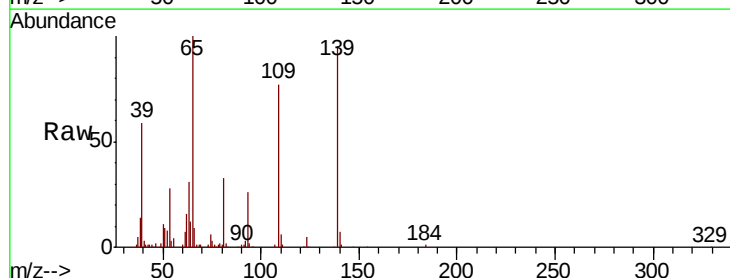
Manual Integrations
APPROVED

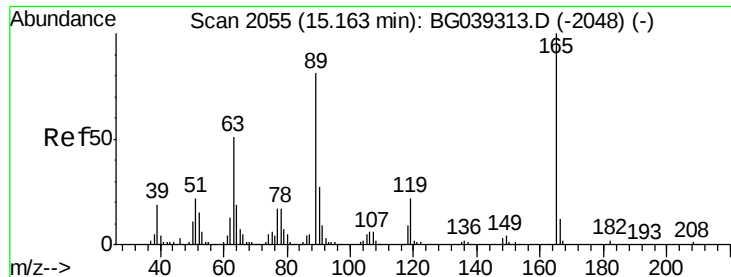
Sohil
2/13/2019 9:56:59 AM



#56
4-Nitrophenol
Concen: 84.114 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.2	61.9	101.9
65	105.6	99.1	139.1





#57

2,4-Dinitrotoluene

Concen: 59.376 ng

RT: 15.16 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

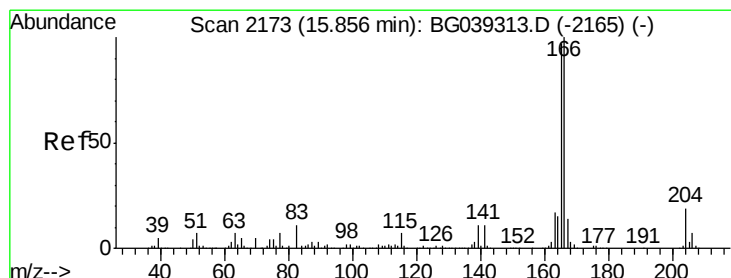
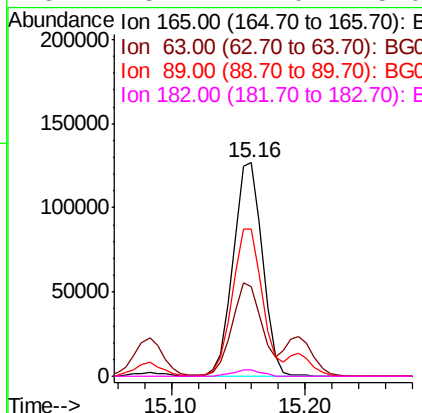
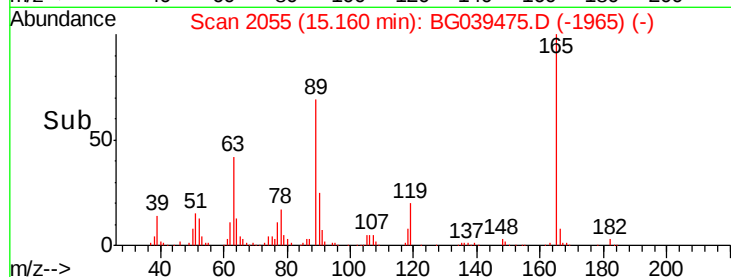
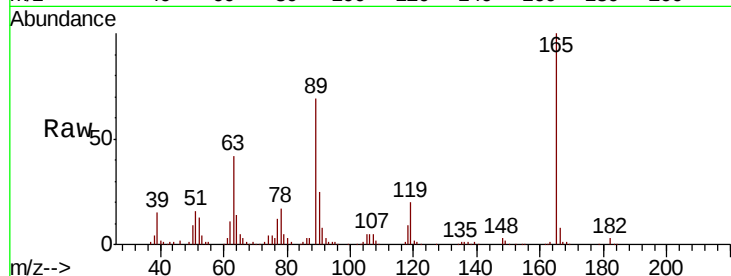
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	192781		
63	42.0	41.0	61.6	
89	69.0	64.6	96.8	
182	3.2	2.0	3.0	

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#58

Fluorene

Concen: 49.305 ng

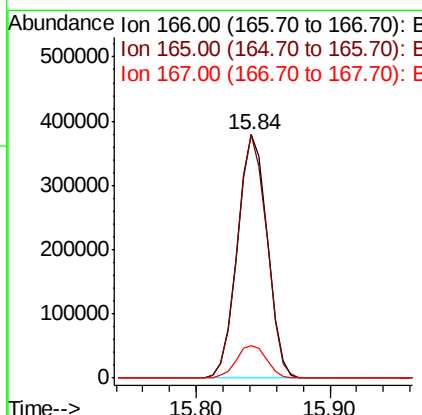
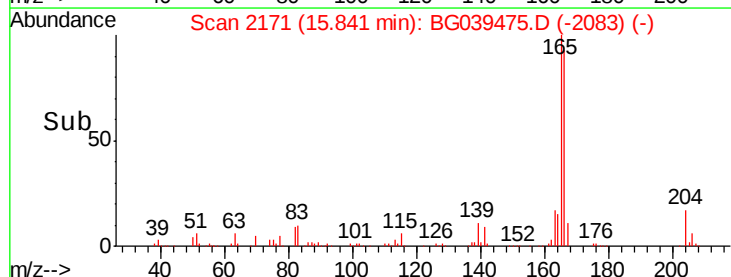
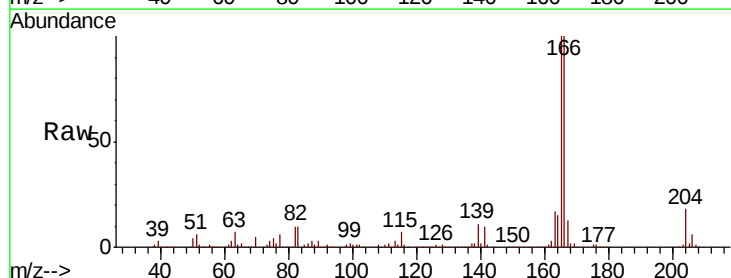
RT: 15.84 min Scan# 2171

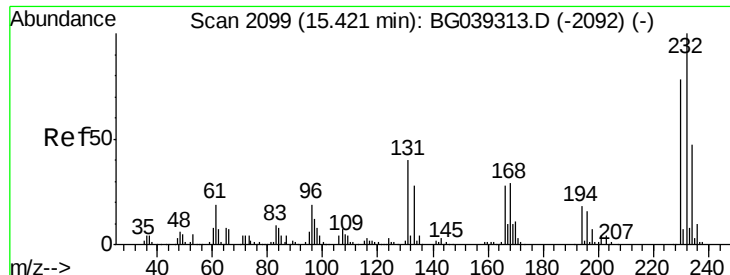
Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	584845		
165	100.1	77.9	116.9	
167	13.4	10.8	16.2	





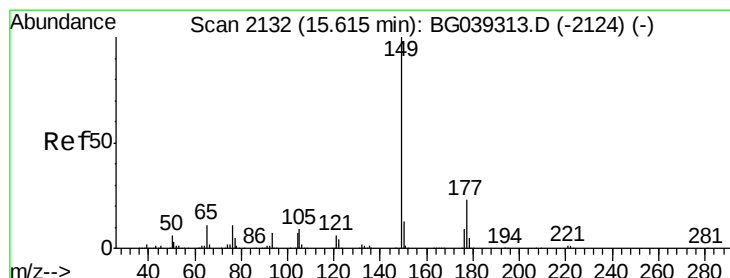
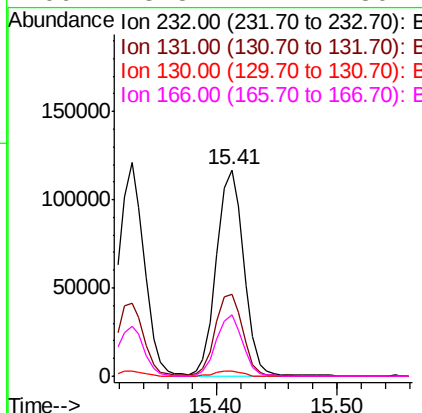
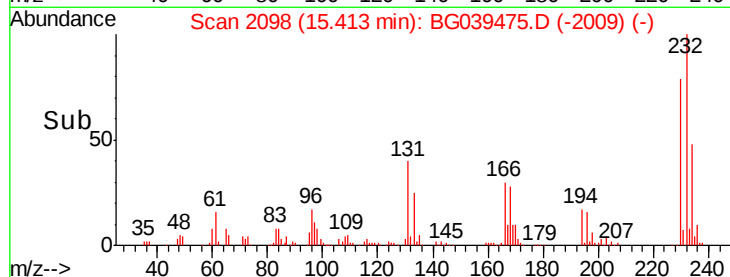
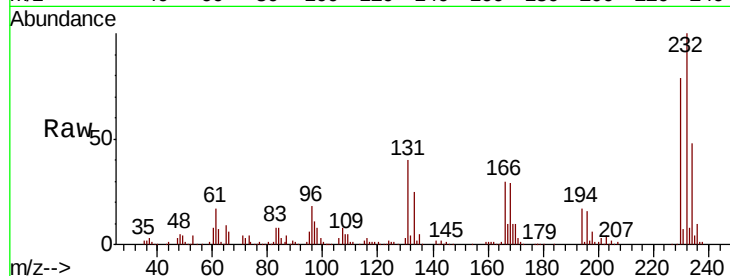
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 58.767 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		182633		
131	39.9	34.9	52.3		
130	2.6	2.0	3.0		
166	28.8	24.1	36.1		

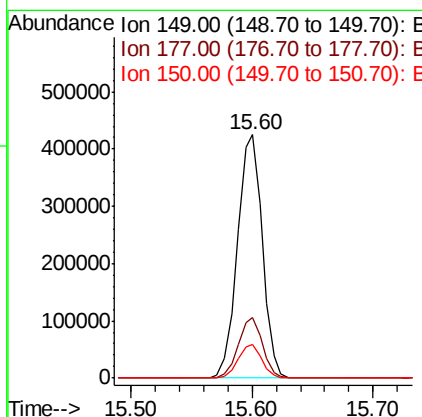
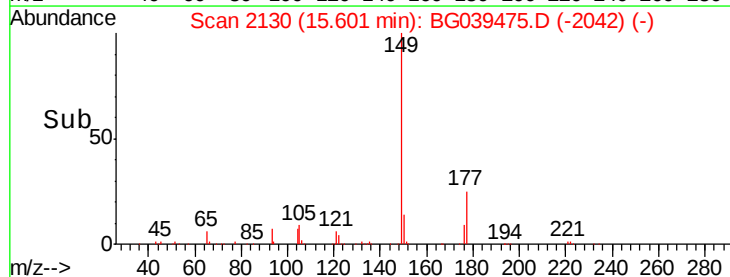
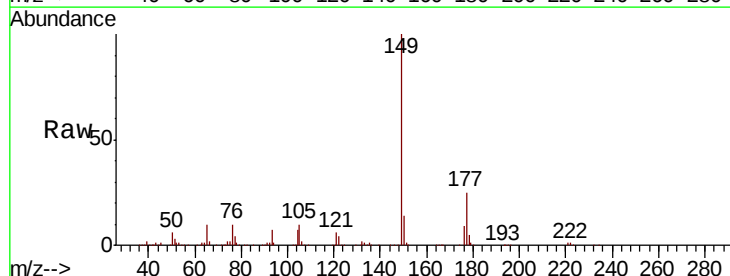
Manual Integrations
 APPROVED

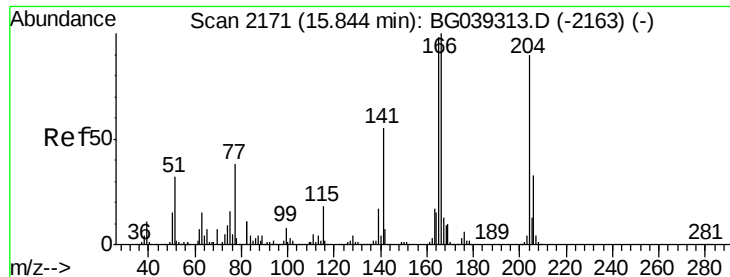
Sohil
 2/13/2019 9:56:59 AM



#60
 Diethylphthalate
 Concen: 45.075 ng
 RT: 15.60 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		609309		
177	24.8	18.3	27.5		
150	13.7	10.2	15.2		





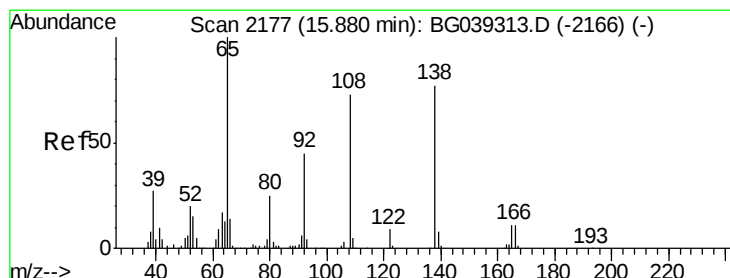
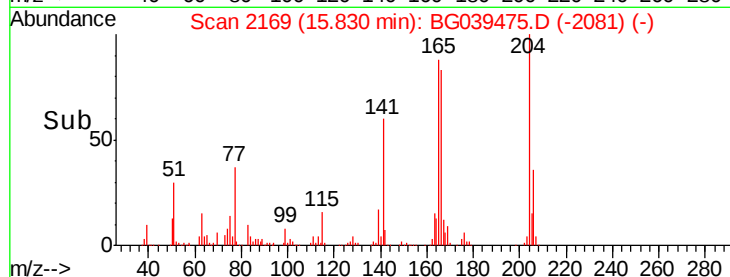
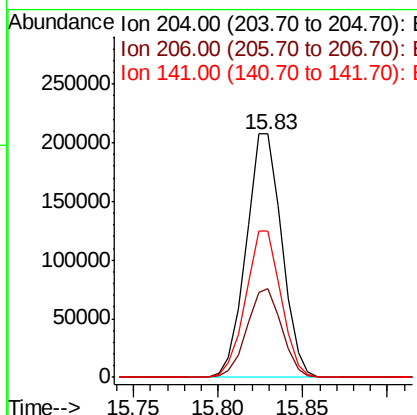
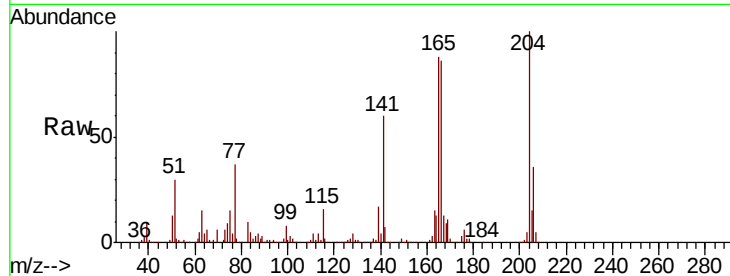
#61
 4-Chlorophenyl-phenylether
 Concen: 45.424 ng
 RT: 15.83 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tot Ion:	204	Resp:	305088
Ion Ratio		Lower	Upper
204	100		
206	36.5	29.2	43.8
141	60.0	49.0	73.4

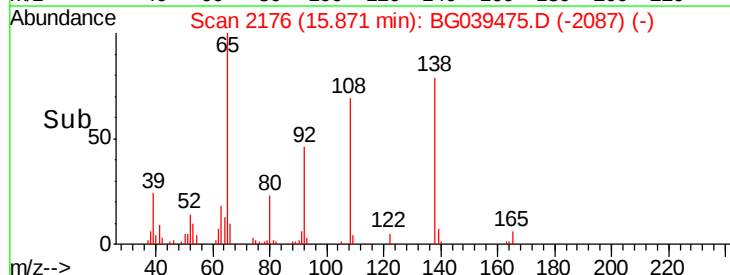
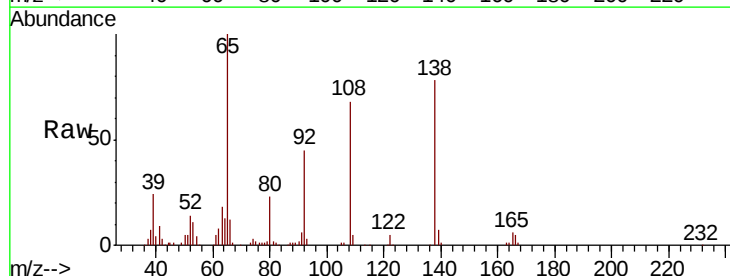
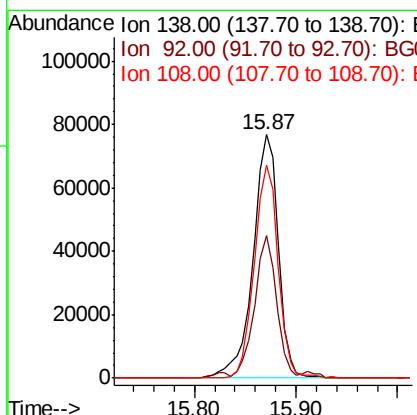
Manual Integrations
 APPROVED

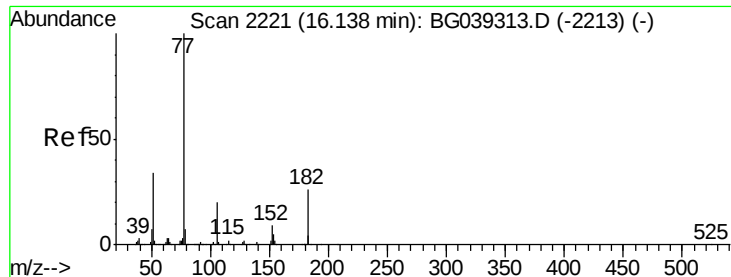
Sohil
 2/13/2019 9:56:59 AM



#62
 4-Nitroaniline
 Concen: 48.563 ng
 RT: 15.87 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:	138	Resp:	133290
Ion Ratio		Lower	Upper
138	100		
92	58.3	38.7	78.7
108	87.3	74.6	114.6





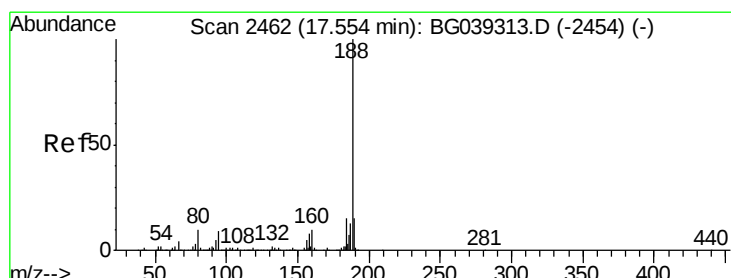
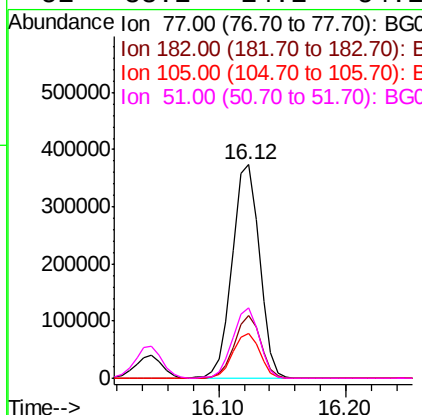
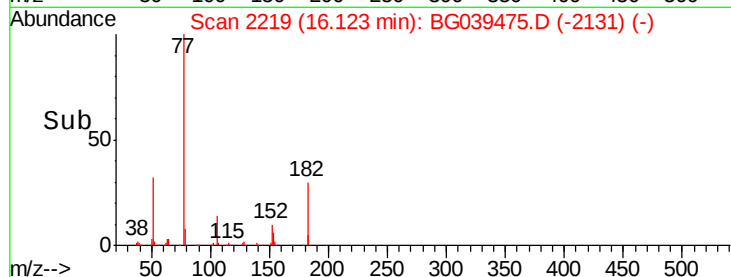
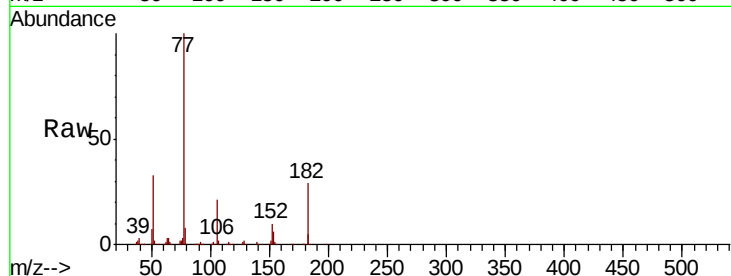
#63
Azobenzene
Concen: 41.940 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.3	6.4	46.4
105	20.8	0.0	39.8
51	33.1	14.1	54.1

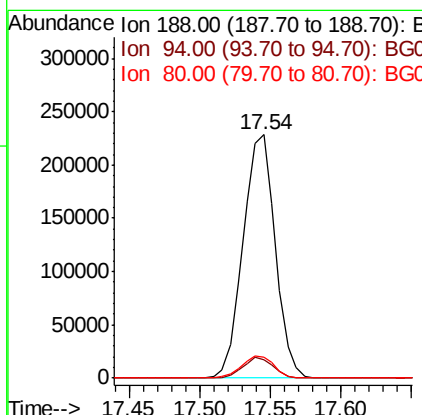
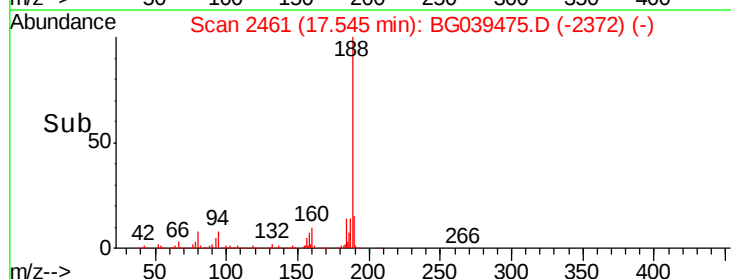
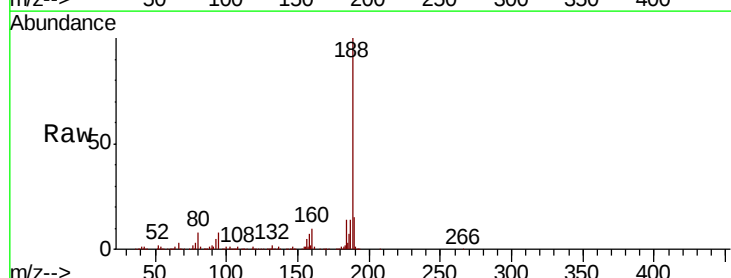
Manual Integrations
APPROVED

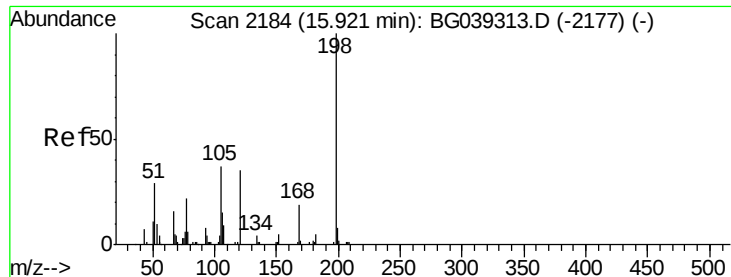
Sohil
2/13/2019 9:56:59 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	8.4	8.1	12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 58.841 ng

RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:198 Resp: 92055

Ion Ratio Lower Upper

198 100

51 46.8 27.4 67.4

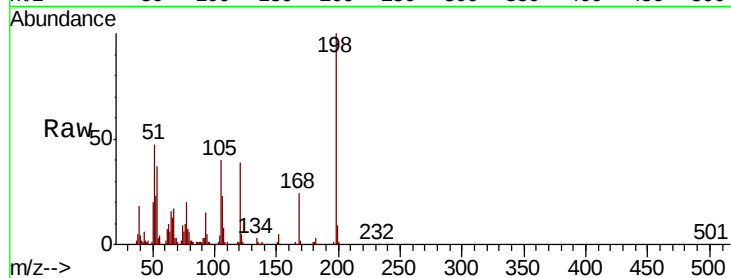
105 40.1 19.7 59.7

Manual Integrations

APPROVED

Sohil

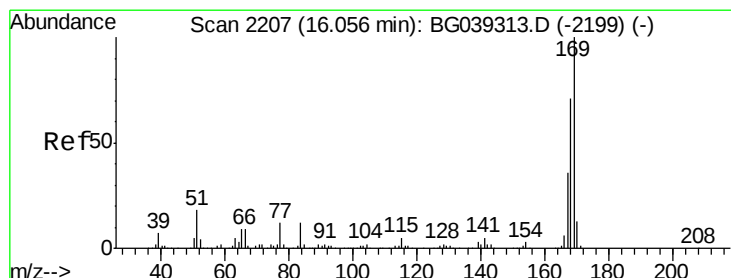
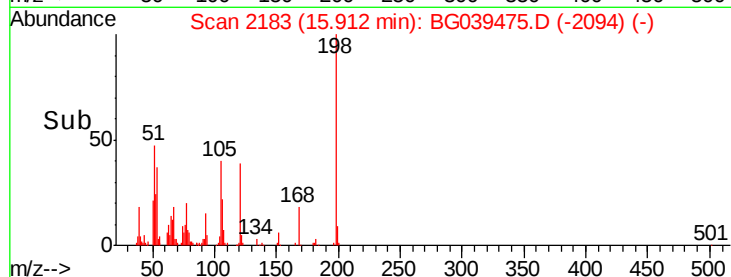
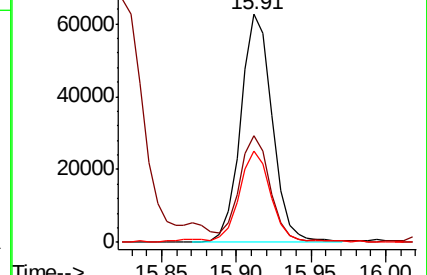
2/13/2019 9:56:59 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.390 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

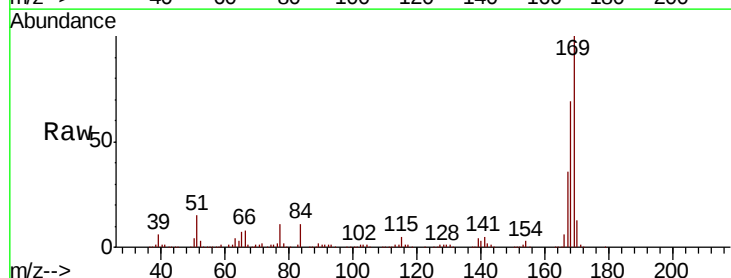
Tgt Ion:169 Resp: 536156

Ion Ratio Lower Upper

169 100

168 69.0 56.6 85.0

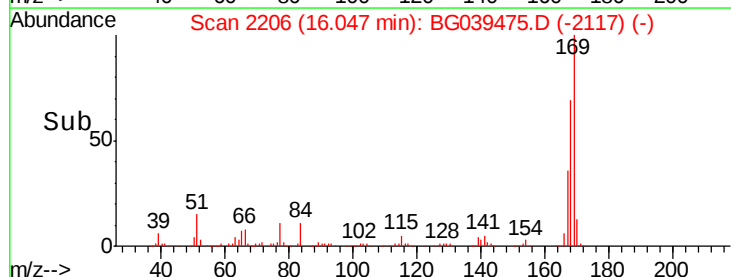
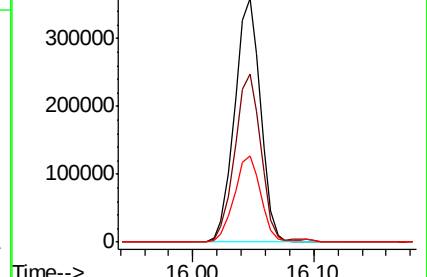
167 35.6 28.8 43.2

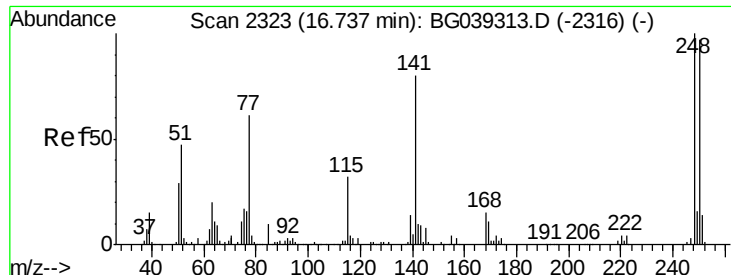


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 50.000 ng

RT: 16.72 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

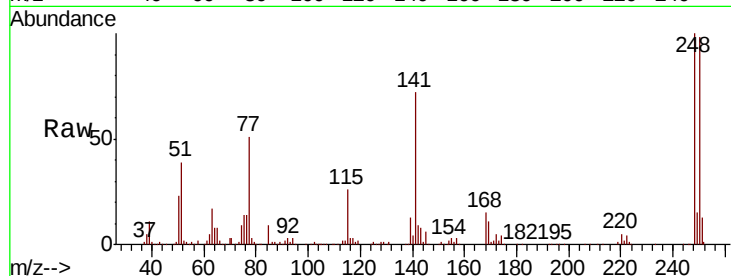
ClientSampleId :

IDW-SOIL-01MSD

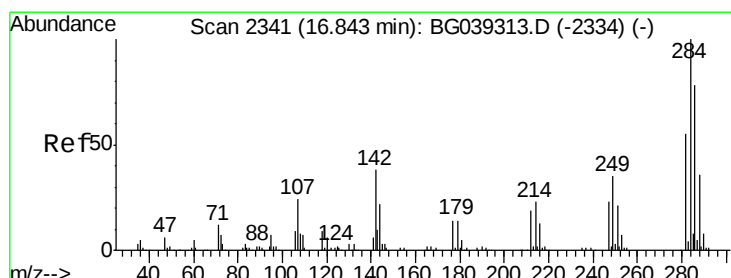
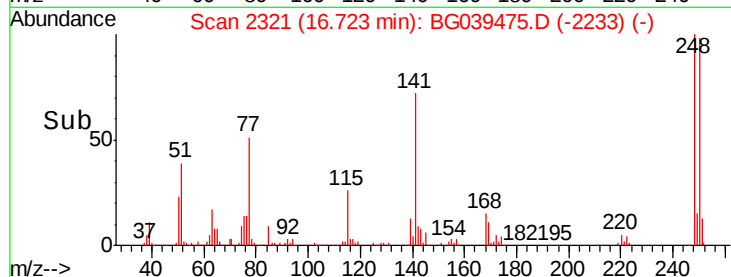
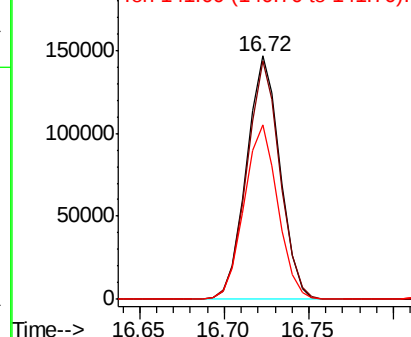
Tot Ion:	248	Resp:	202124
Ion Ratio	Lower	Upper	
248	100		
250	97.9	77.6	116.4
141	71.7	63.9	95.9

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 51.535 ng

RT: 16.83 min Scan# 2340

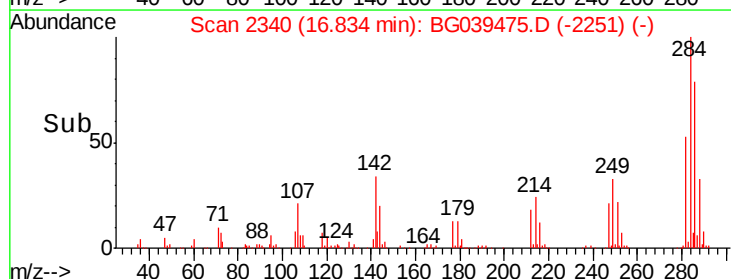
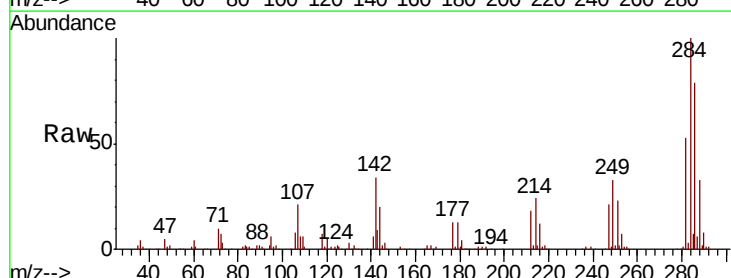
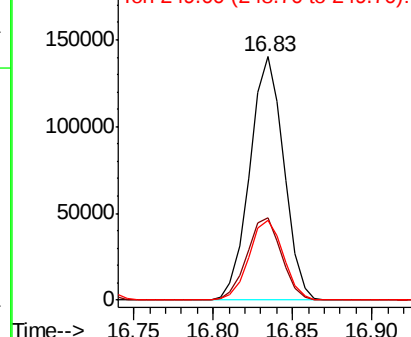
Delta R.T. -0.01 min

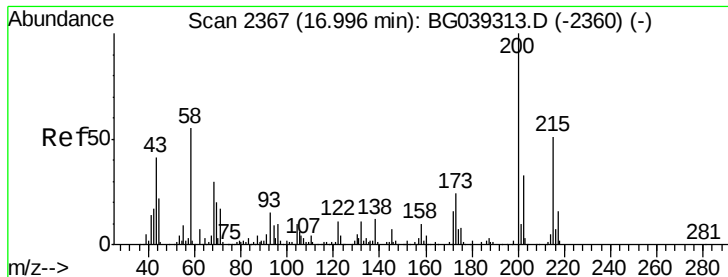
Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	284	Resp:	209018
Ion Ratio	Lower	Upper	
284	100		
142	34.0	30.6	45.8
249	32.9	28.2	42.2

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





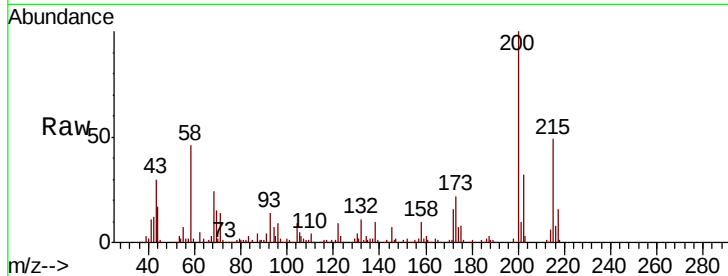
#69
Atrazine
Concen: 50.557 ng
RT: 16.99 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	22.4	3.9	43.9
215	49.4	30.9	70.9

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

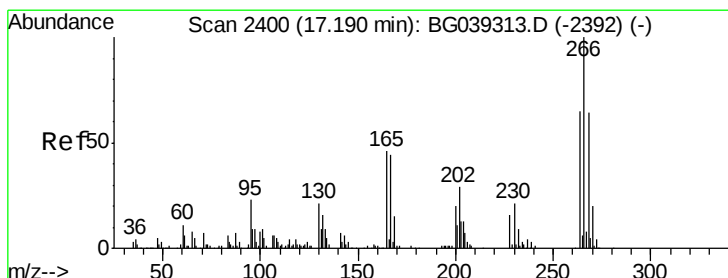
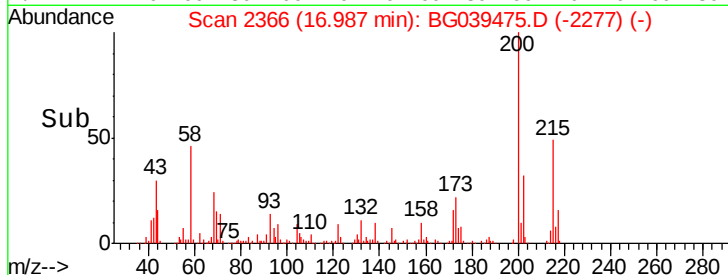
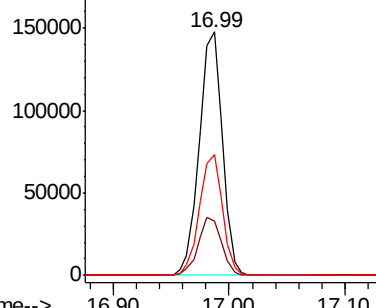


Abundance

Ion 200.00 (199.70 to 200.70): E

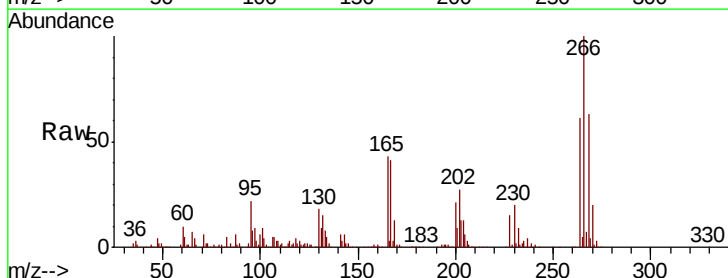
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 89.888 ng
RT: 17.18 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.6	51.1	76.7
264	61.2	52.1	78.1

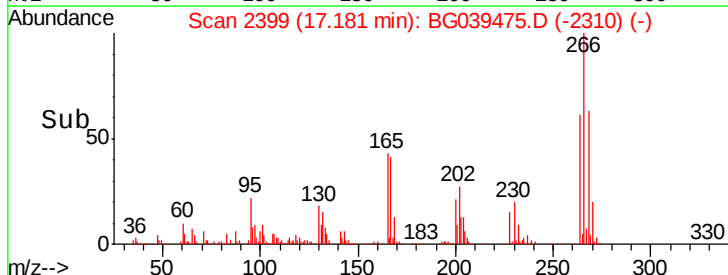
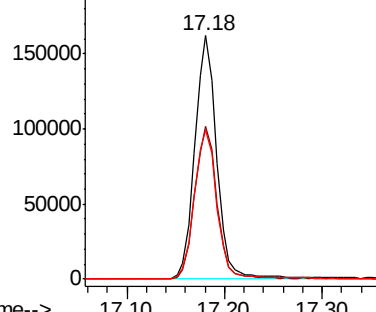


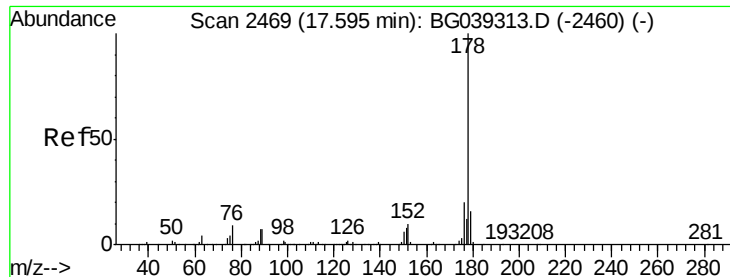
Abundance

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





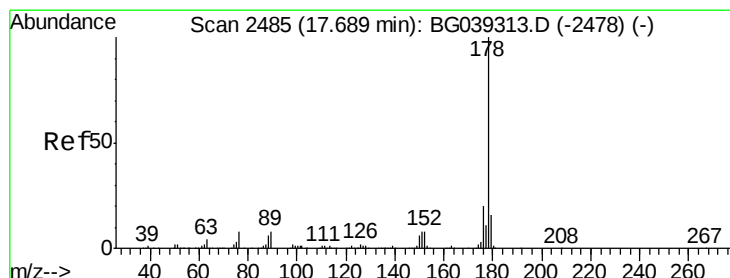
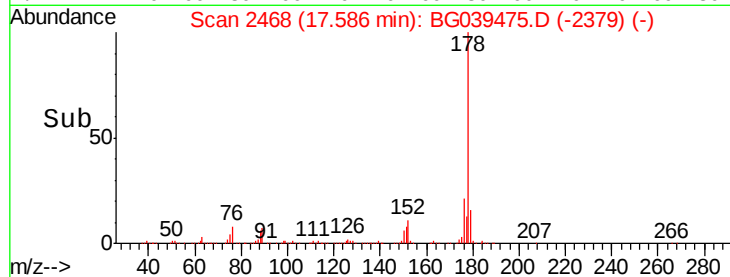
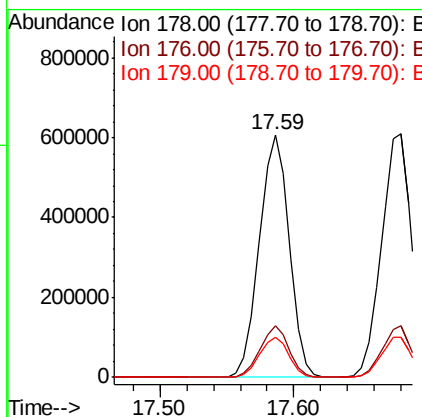
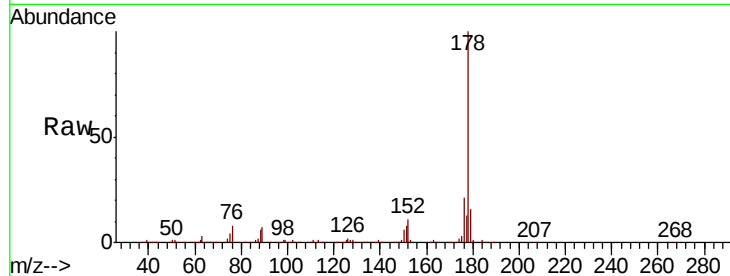
#71
Phenanthrene
Concen: 49.573 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.4	16.2	24.4
179	16.5	12.6	19.0

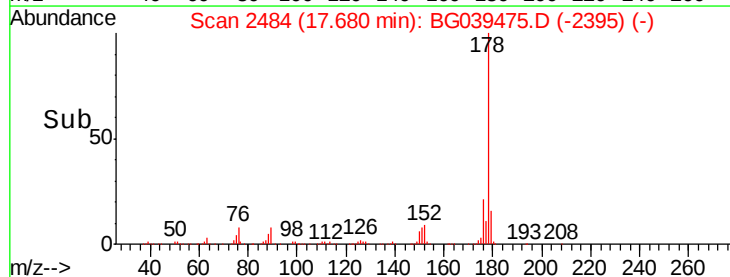
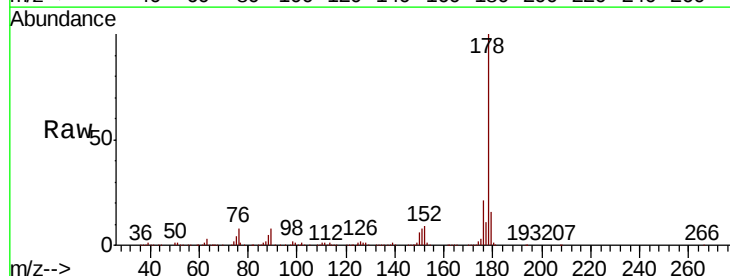
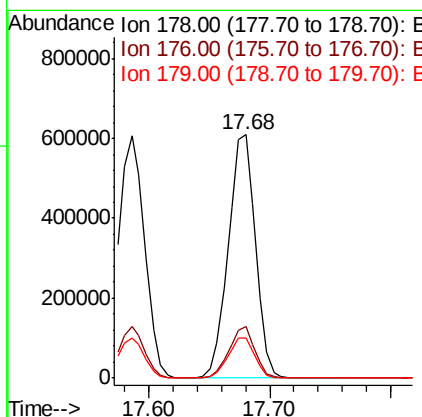
Manual Integrations
APPROVED

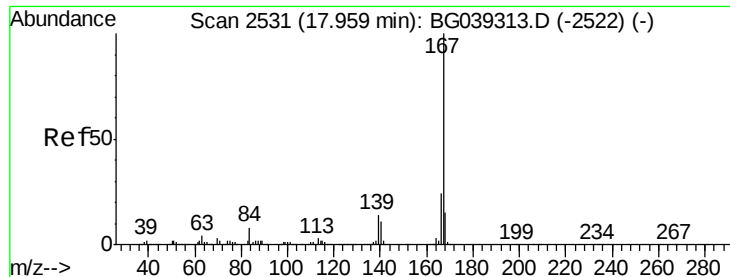
Sohil
2/13/2019 9:56:59 AM



#72
Anthracene
Concen: 51.149 ng
RT: 17.68 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.6
179	16.4	12.5	18.7





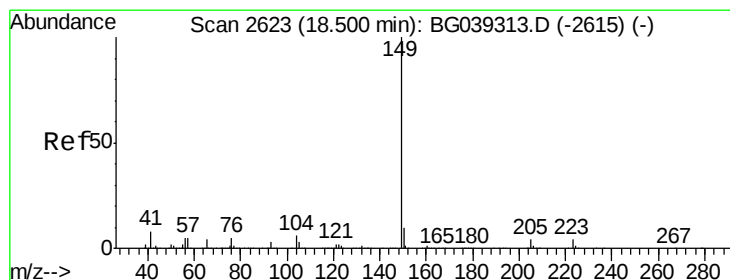
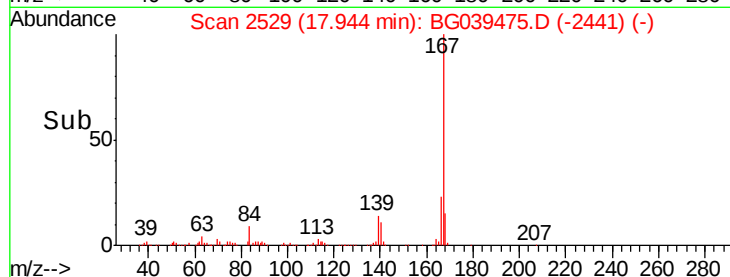
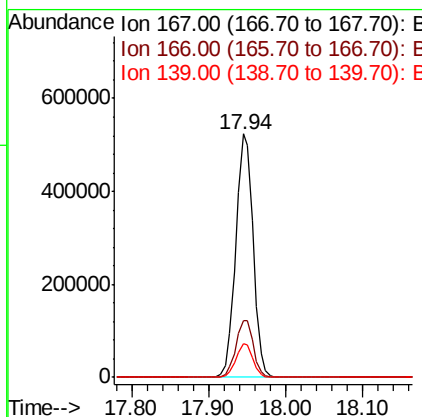
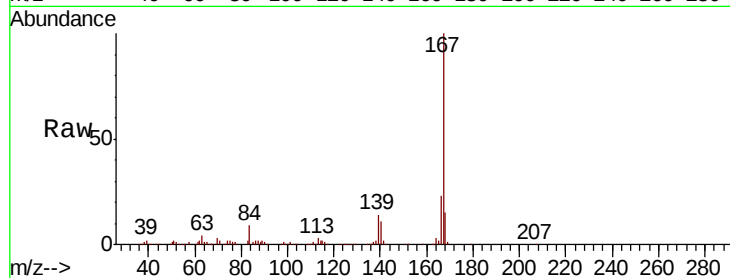
#73
 Carbazole
 Concen: 44.588 ng
 RT: 17.94 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	19.4	29.2
139	13.8	10.8	16.2

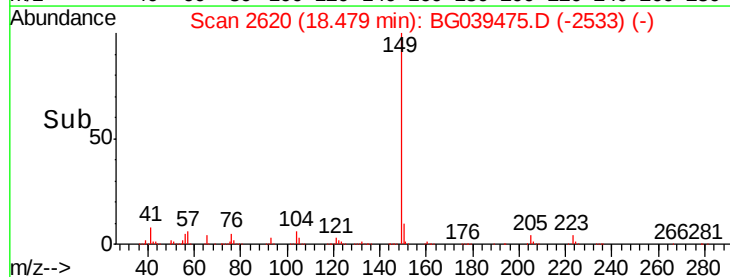
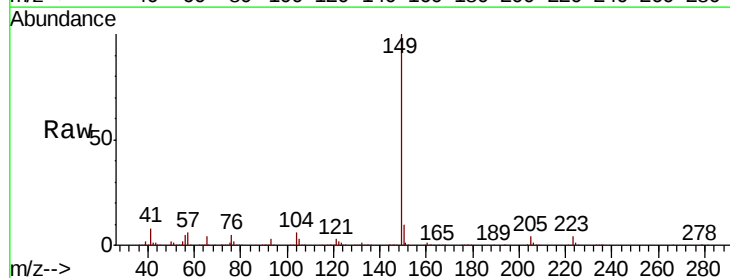
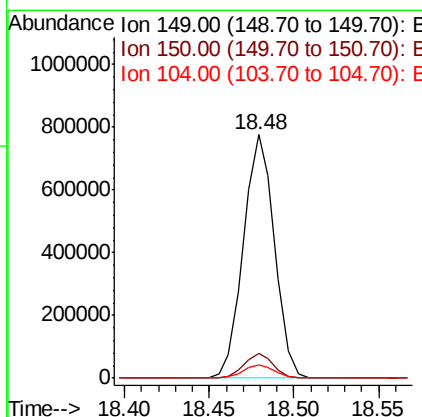
Manual Integrations
 APPROVED

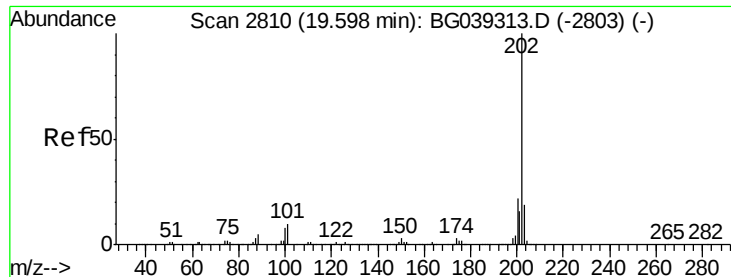
Sohil
 2/13/2019 9:56:59 AM



#74
 Di-n-butylphthalate
 Concen: 45.759 ng
 RT: 18.48 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.7	4.5	6.7





#75

Fluoranthene

Concen: 50.051 ng

RT: 19.58 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

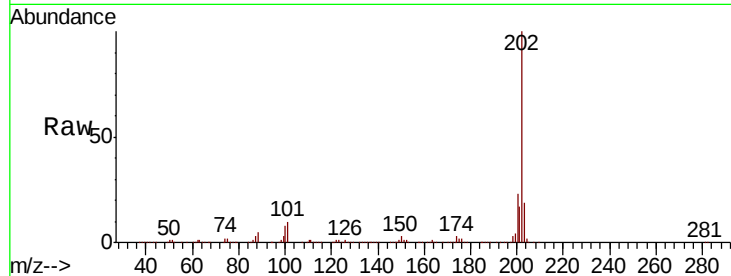
ClientSampleId :

IDW-SOIL-01MSD

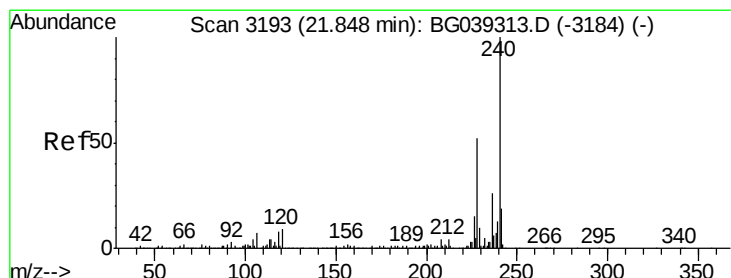
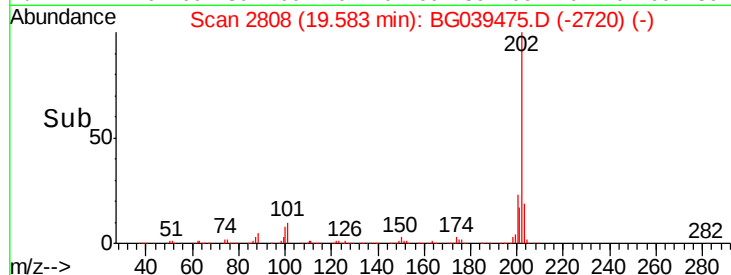
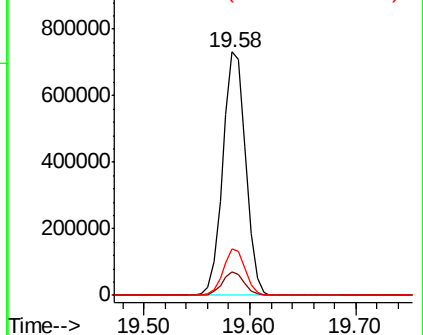
Tot Ion:	202	Resp:	1095635
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	30.0
203	19.1	0.0	38.9

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.84 min Scan# 3192

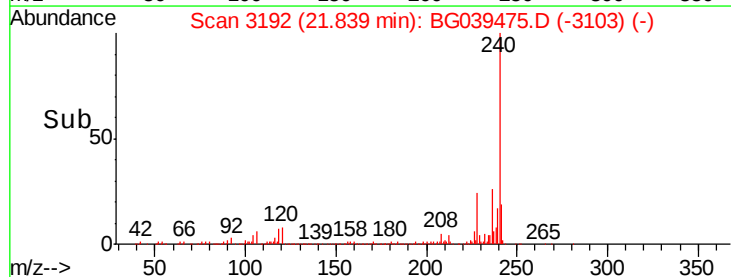
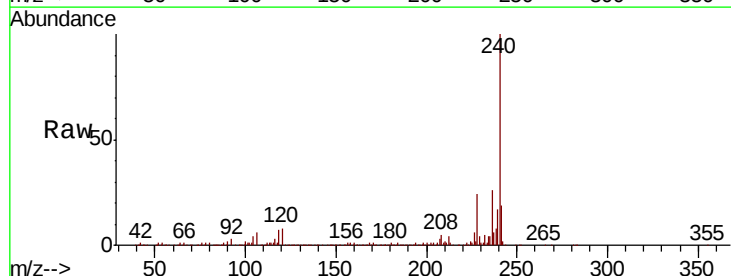
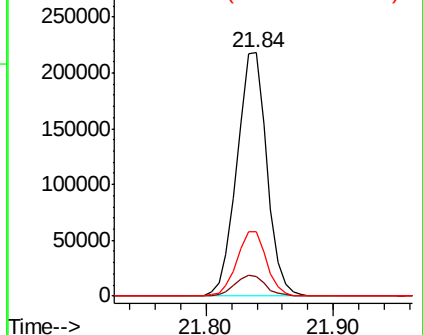
Delta R.T. -0.01 min

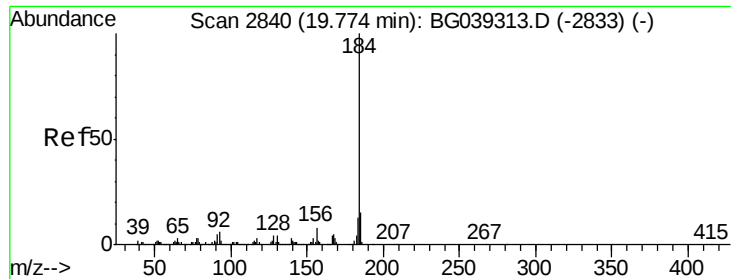
Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	240	Resp:	355921
Ion Ratio	Lower	Upper	
240	100		
120	8.1	7.0	10.6
236	26.5	21.0	31.4

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





#77

Benzidine

Concen: 14.480 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

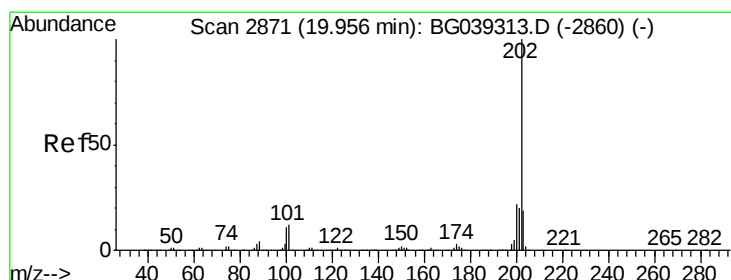
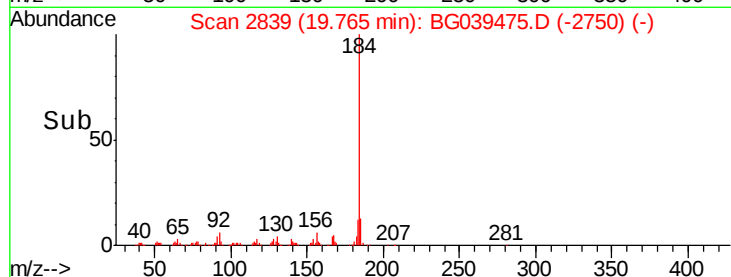
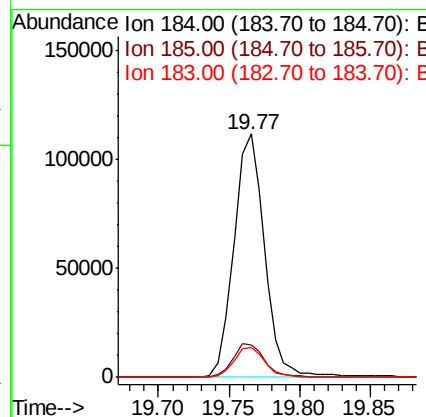
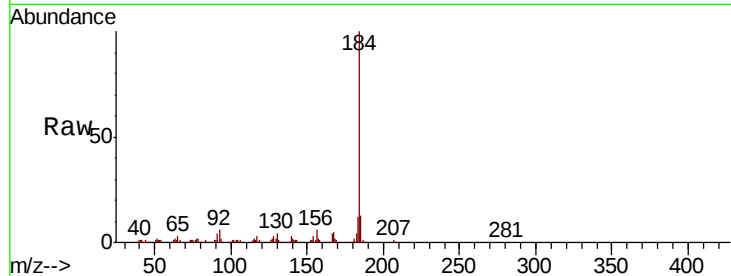
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:	184	Resp:	168966
Ion Ratio	Lower	Upper	
184	100		
185	13.2	12.2	18.2
183	12.4	10.6	15.8

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#78

Pyrene

Concen: 49.641 ng

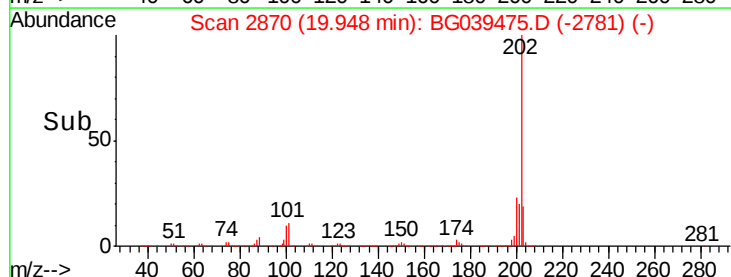
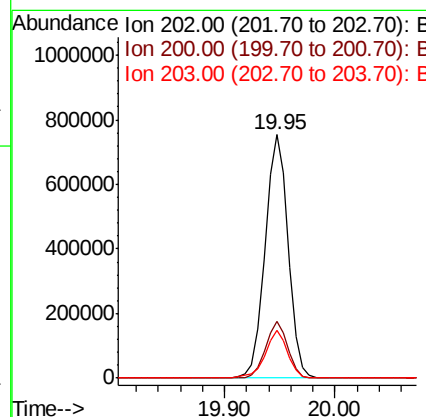
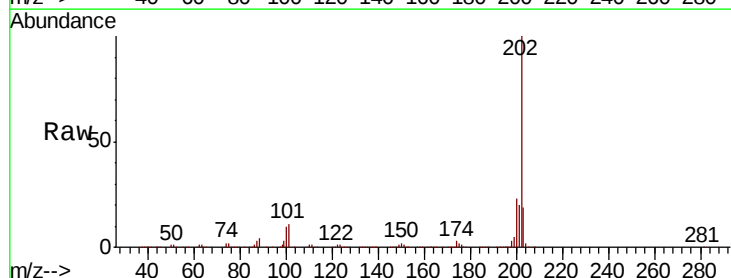
RT: 19.95 min Scan# 2870

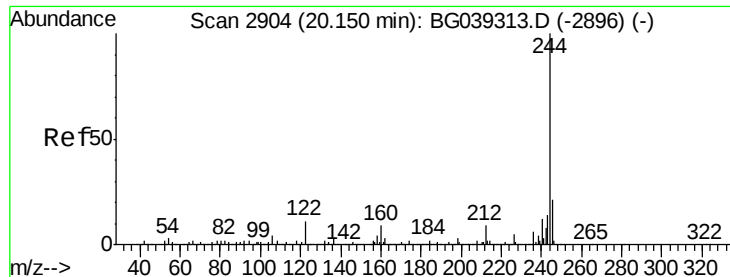
Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	202	Resp:	1099895
Ion Ratio	Lower	Upper	
202	100		
200	23.5	17.8	26.8
203	19.5	15.3	22.9





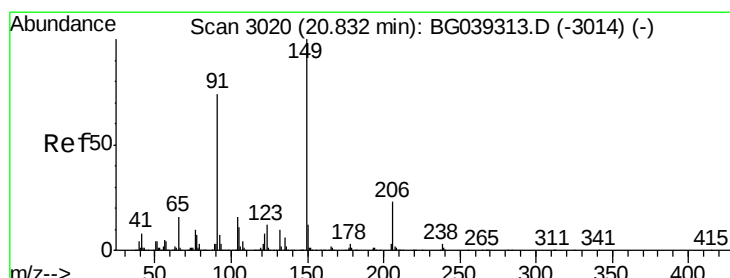
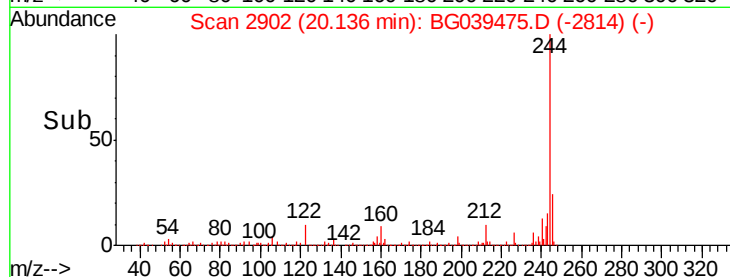
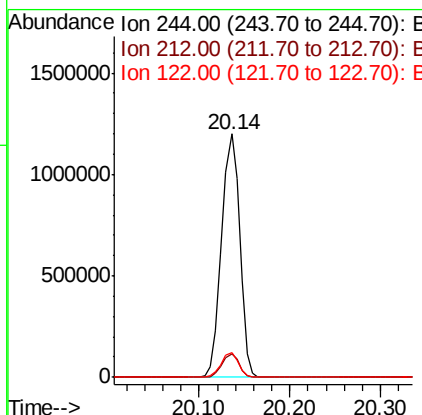
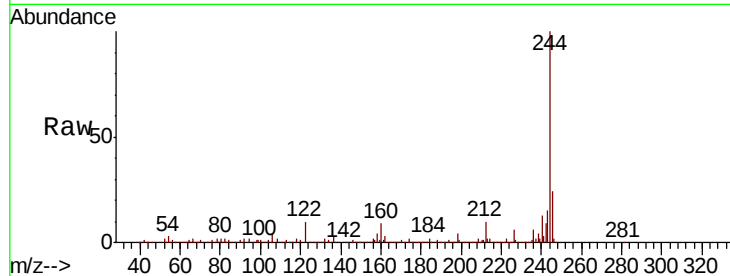
#79
 Terphenyl-d14
 Concen: 98.943 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.3	10.9
122	10.2	8.4	12.6

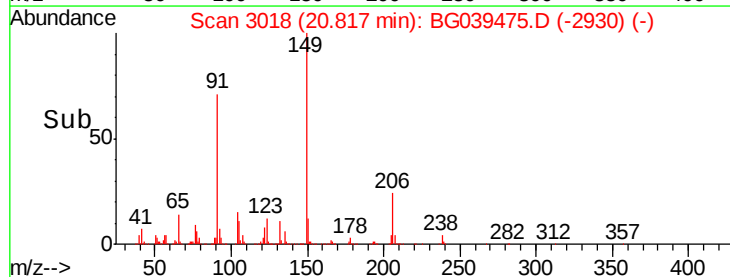
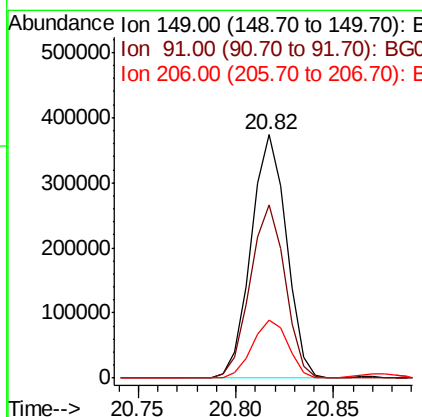
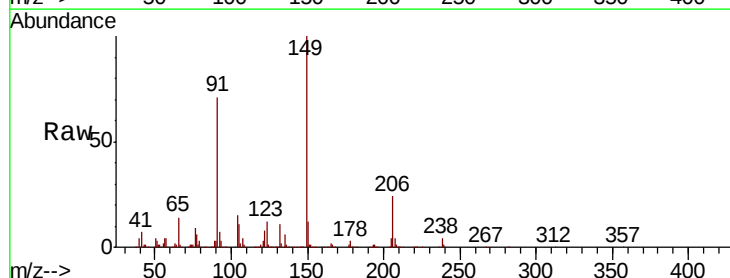
Manual Integrations
 APPROVED

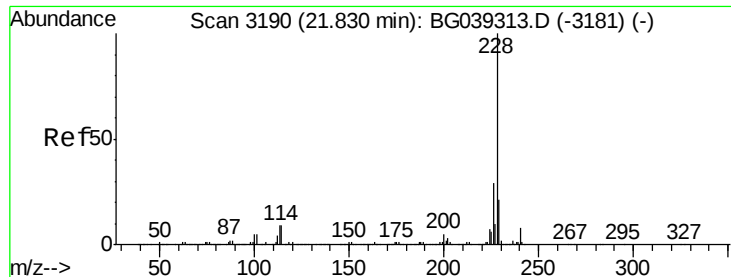
Sohil
 2/13/2019 9:56:59 AM



#80
 Butylbenzylphthalate
 Concen: 50.207 ng
 RT: 20.82 min Scan# 3018
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.4	59.5	89.3
206	23.9	18.6	27.8





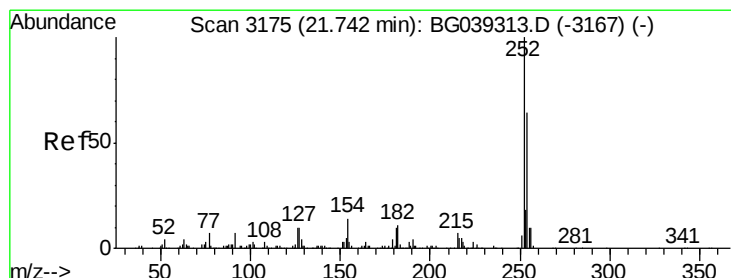
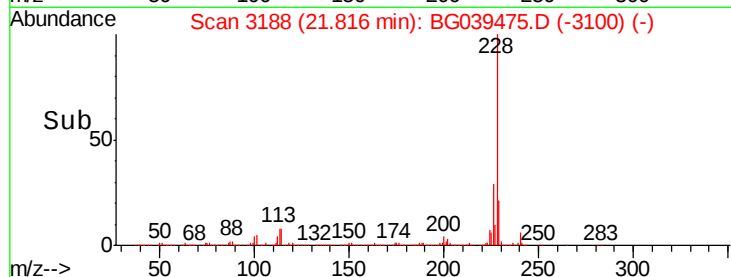
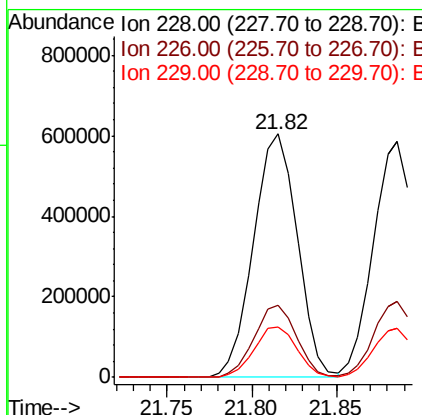
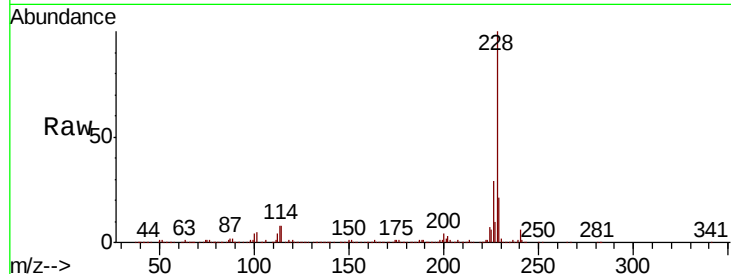
#81
Benzo(a)anthracene
Concen: 51.678 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	20.9	16.9	25.3

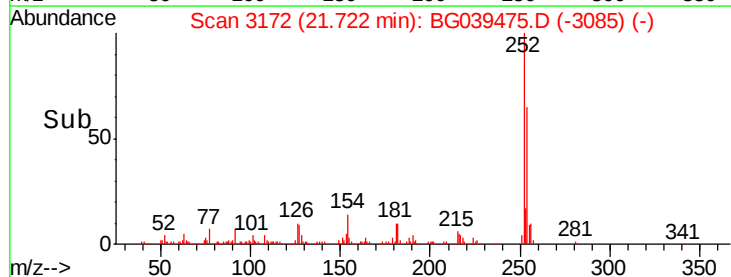
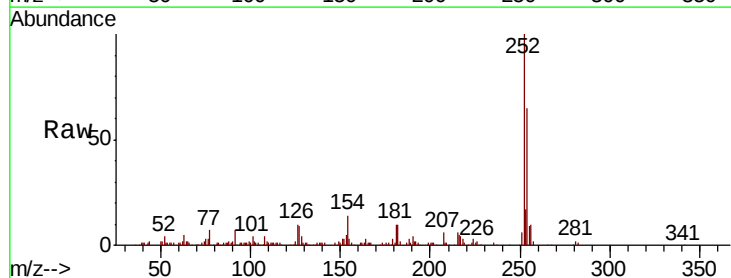
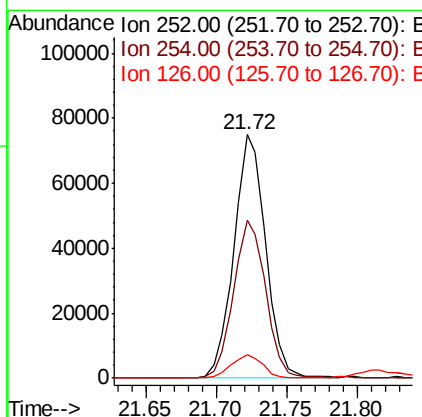
Manual Integrations
APPROVED

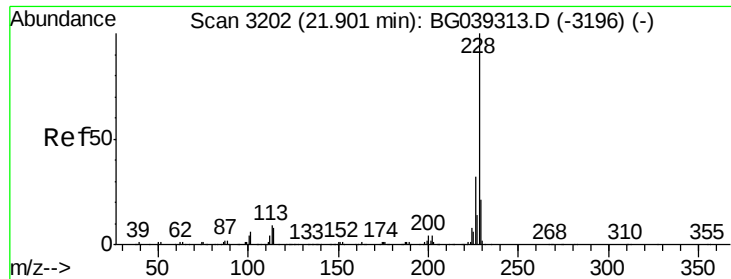
Sohil
2/13/2019 9:56:59 AM



#82
3,3'-Dichlorobenzidine
Concen: 15.068 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.3	76.9
126	9.9	8.0	12.0





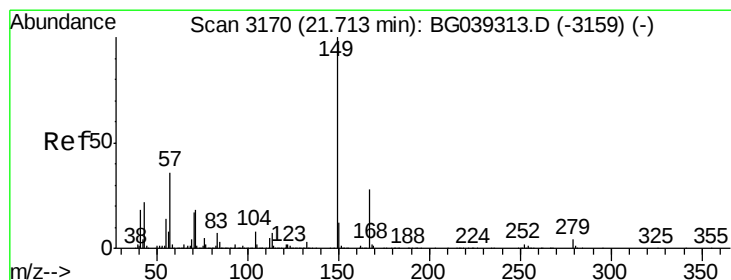
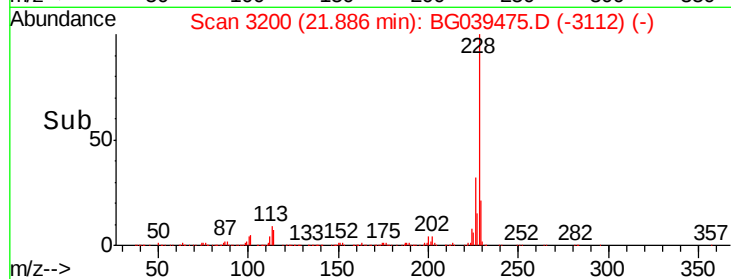
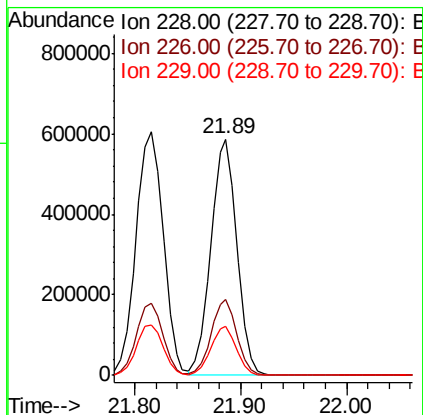
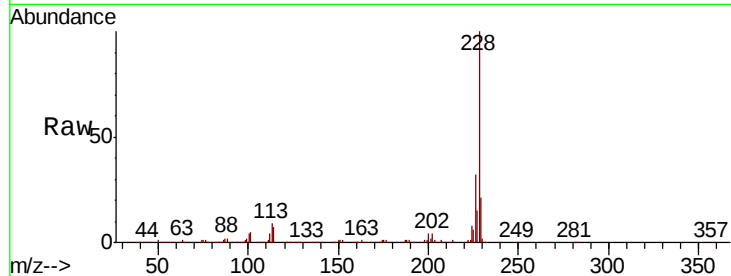
#83
 Chrysene
 Concen: 50.311 ng
 RT: 21.89 min Scan# 3200
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.8	38.6
229	21.0	16.6	25.0

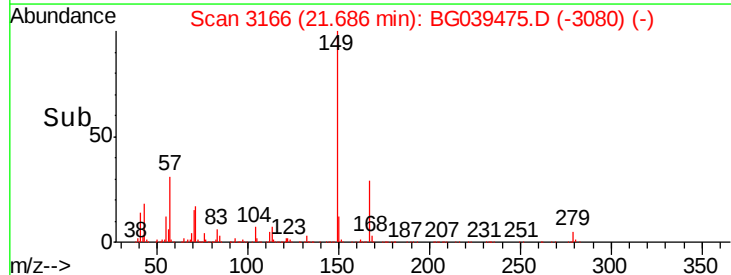
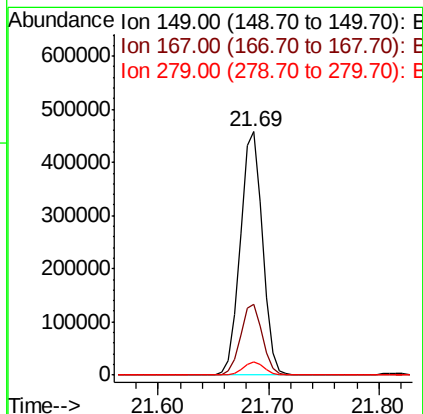
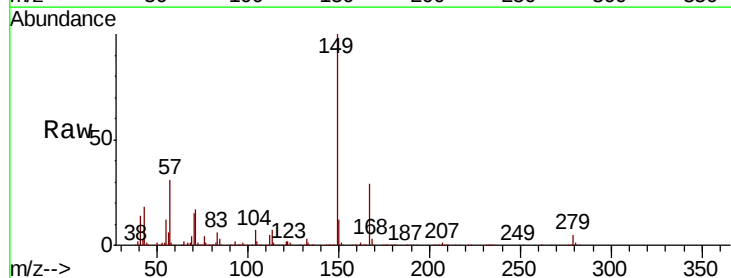
Manual Integrations
 APPROVED

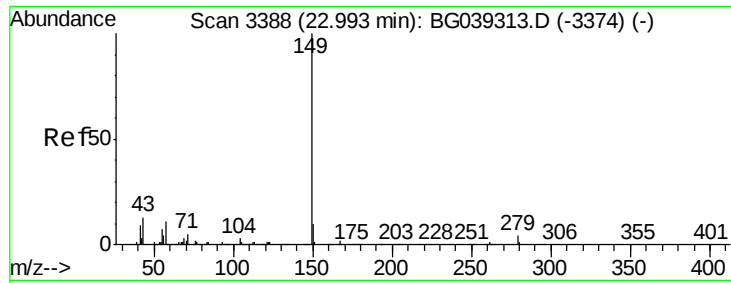
Sohil
 2/13/2019 9:56:59 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.482 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.03 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.6	34.0
279	5.3	3.5	5.3#





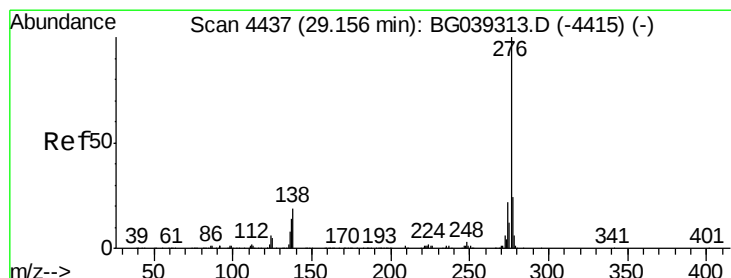
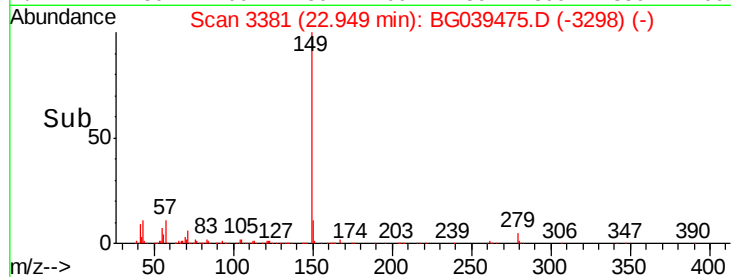
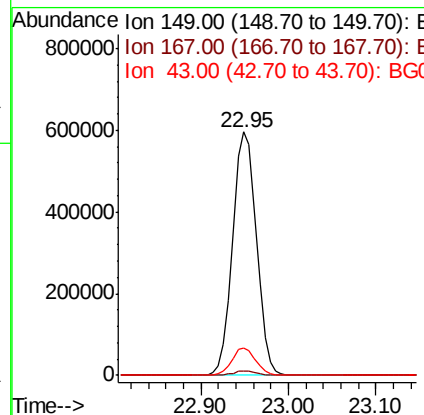
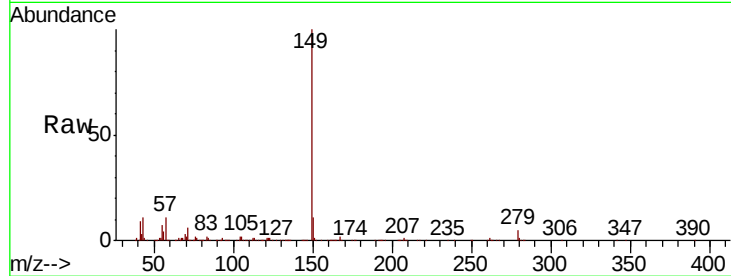
#85
Di-n-octyl phthalate
Concen: 50.092 ng
RT: 22.95 min Scan# 3381
Delta R.T. -0.04 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.1	10.2	15.4

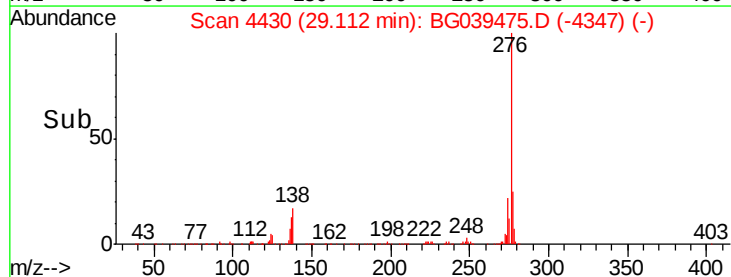
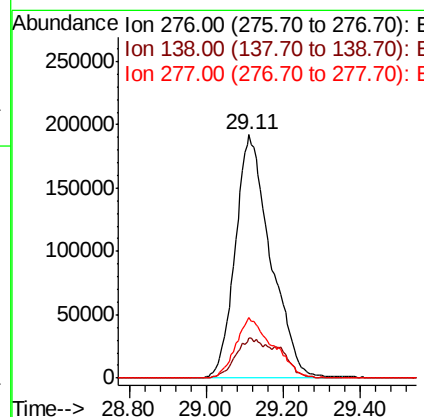
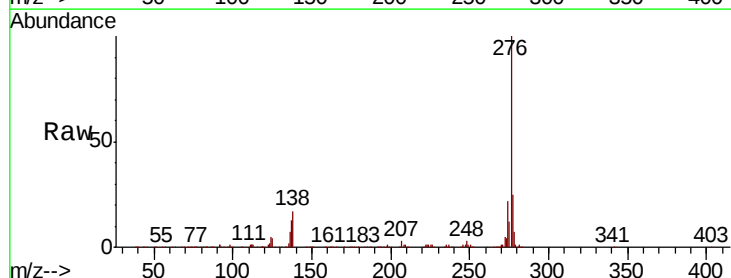
Manual Integrations
APPROVED

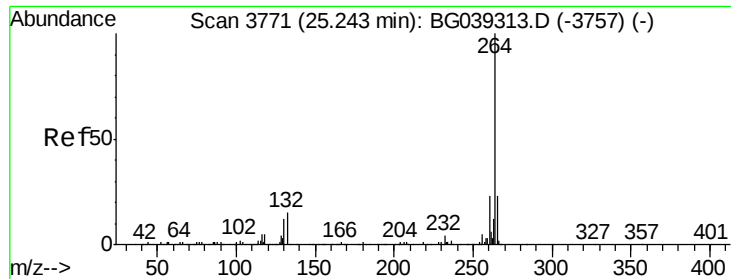
Sohil
2/13/2019 9:56:59 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 57.066 ng
RT: 29.11 min Scan# 4430
Delta R.T. -0.04 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.7	12.6	19.0
277	26.1	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

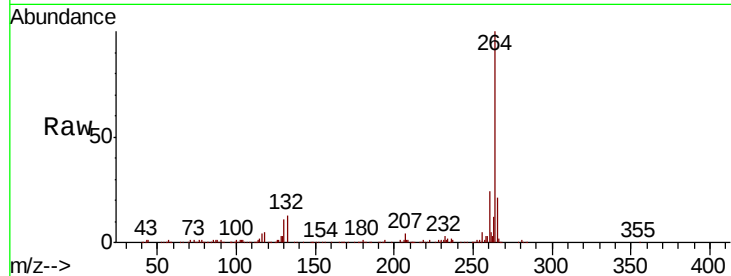
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion:	264	Resp:	372209
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.2	27.4
265	20.9	18.5	27.7

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

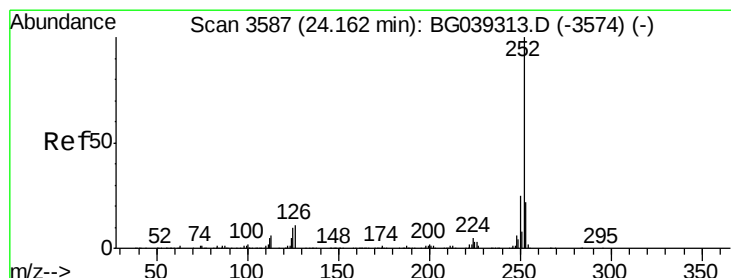
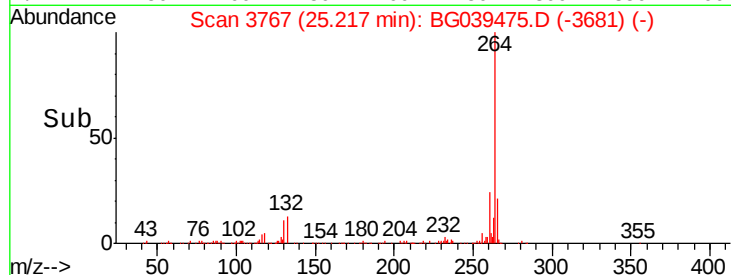
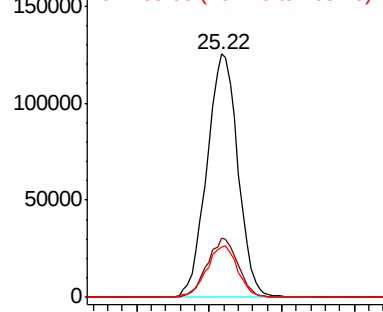


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 52.453 ng

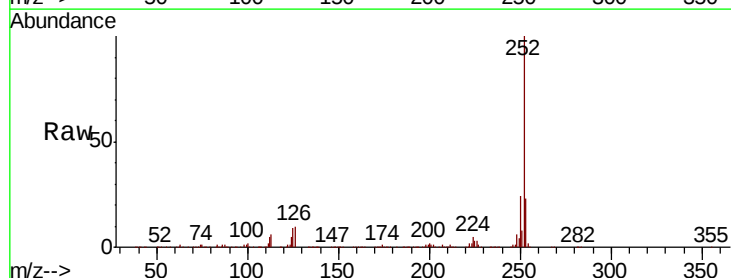
RT: 24.14 min Scan# 3583

Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:	252	Resp:	1064725
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	8.9	7.8	11.6

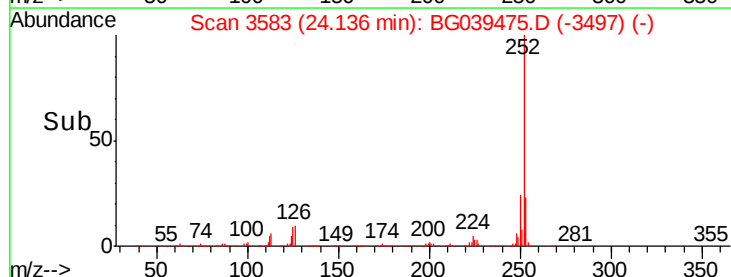
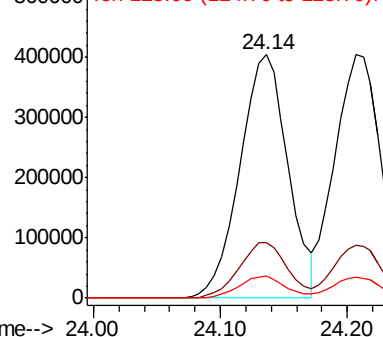


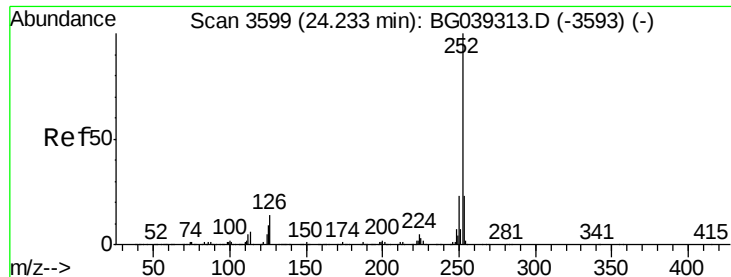
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 50.009 ng

RT: 24.21 min Scan# 3595

Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

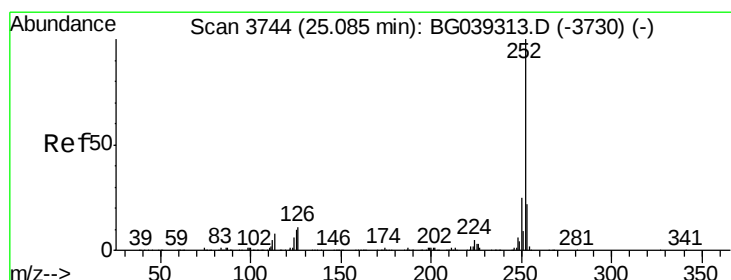
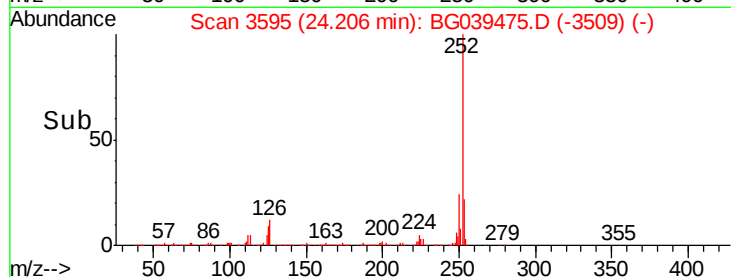
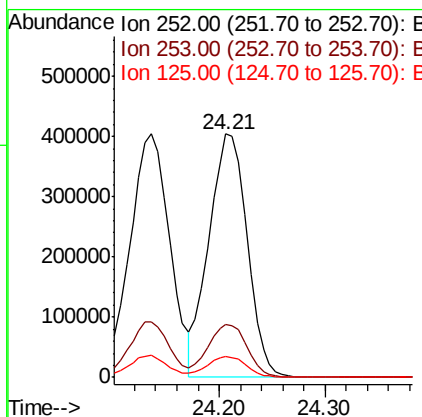
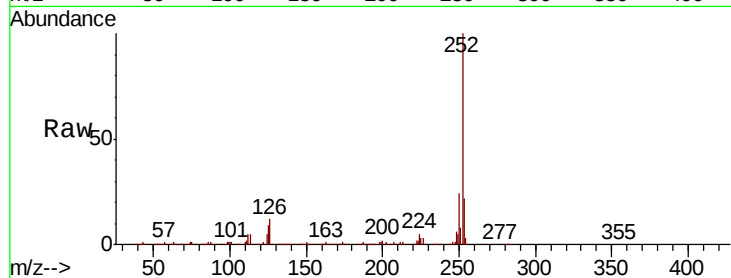
ClientSampleId :

IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	8.5	7.4	11.2

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM



#90

Benzo(a)pyrene

Concen: 53.172 ng

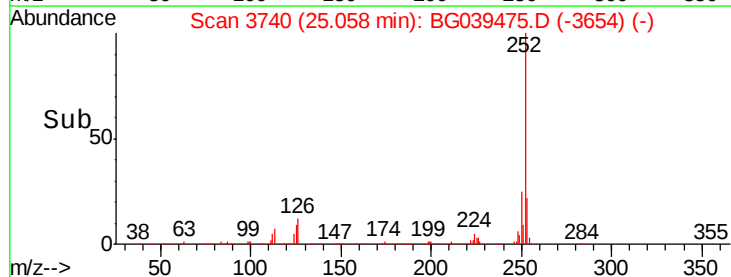
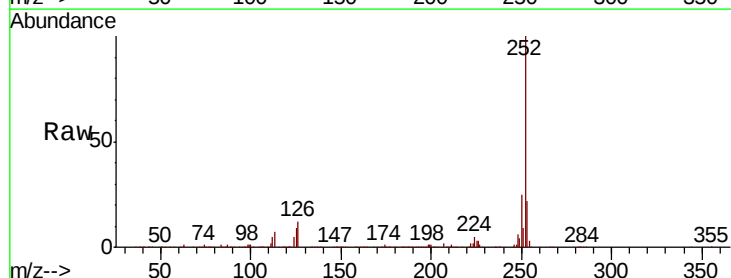
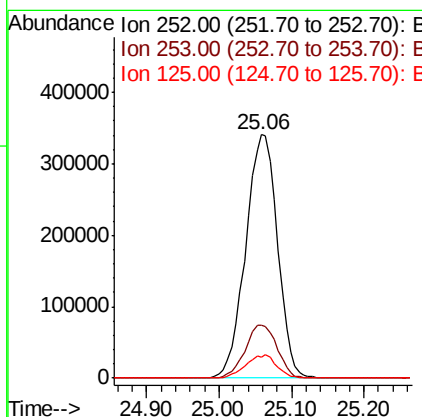
RT: 25.06 min Scan# 3740

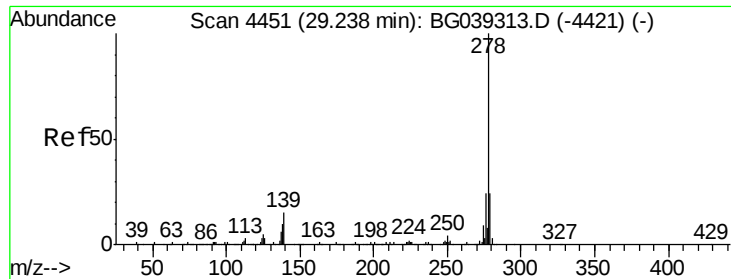
Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	8.8	8.3	12.5





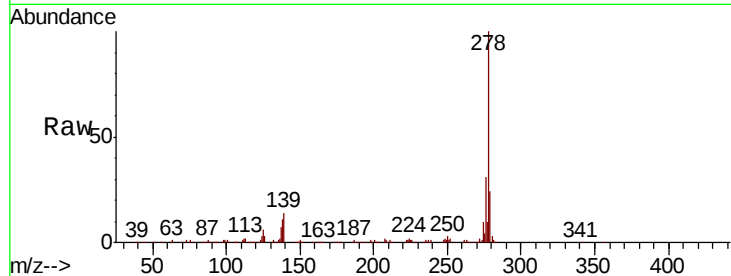
#91
Dibenzo(a,h)anthracene
Concen: 53.805 ng
RT: 29.19 min Scan# 4444
Delta R.T. -0.04 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	11.7	17.5
279	24.1	19.1	28.7

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:59 AM

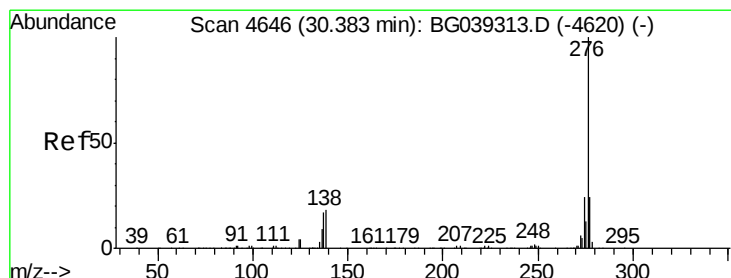
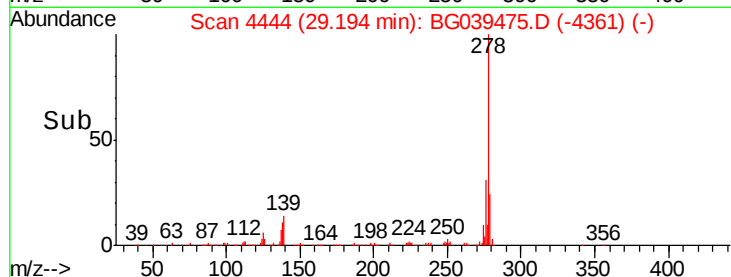
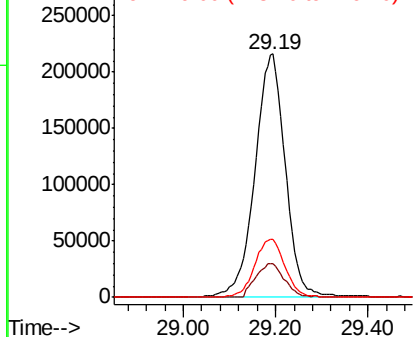


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 55.130 ng
RT: 30.35 min Scan# 4640
Delta R.T. -0.04 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.6	29.4
138	18.2	14.7	22.1

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

