

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108655.D
 Acq On : 30 Aug 2018 22:06
 Operator : JU/SJ
 Sample : J4699-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Manual Integrations
 APPROVED

Sohil
 8/31/2018 12:18:27 PM

Quant Time: Aug 31 05:59:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	79761	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	300365	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	133255	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	255543	20.00	ng	0.00
75) Chrysene-d12	14.19	240	266100	20.00	ng	0.00
86) Perylene-d12	15.75	264	220103	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	270458	58.91	ng	0.00
7) Phenol-d6	6.64	99	452252	68.77	ng	0.00
23) Nitrobenzene-d5	7.57	82	322054	54.42	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	121037	68.81	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	559631	56.47	ng	0.00
78) Terphenyl-d14	13.12	244	639389	46.69	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	51790	24.272	ng	# 76
3) Pyridine	3.71	79	124938	25.343	ng	# 86
4) n-Nitrosodimethylamine	3.68	42	57000	23.178	ng	# 80
6) Aniline	6.70	93	172428	24.299	ng	# 83
8) 2-Chlorophenol	6.80	128	176300	31.405	ng	# 94
9) Benzaldehyde	6.58	77	91301	22.463	ng	# 95
10) Phenol	6.65	94	227319	29.644	ng	# 81
11) bis(2-Chloroethyl)ether	6.73	93	204739	30.321	ng	# 97
12) 1,3-Dichlorobenzene	6.94	146	189049	29.044	ng	# 99
13) 1,4-Dichlorobenzene	7.02	146	214186	30.146	ng	# 99
14) 1,2-Dichlorobenzene	7.17	146	191542	29.353	ng	# 97
15) Benzyl Alcohol	7.16	79	116789m	24.689	ng	#
16) 2,2'-oxybis(1-Chloropropan	7.27	45	310383	29.963	ng	# 68
17) 2-Methylphenol	7.26	107	129517	29.674	ng	# 67
18) Hexachloroethane	7.50	117	67478	27.616	ng	# 96
19) n-Nitroso-di-n-propylamine	7.40	70	124744	28.327	ng	# 88
20) 3+4-Methylphenols	7.42	107	148420	27.140	ng	# 31
22) Acetophenone	7.41	105	260681	34.765	ng	# 90
24) Nitrobenzene	7.58	77	181780	30.296	ng	# 92
25) Isophorone	7.81	82	329041	33.473	ng	# 97
26) 2-Nitrophenol	7.90	139	77709	28.609	ng	# 87
27) 2,4-Dimethylphenol	7.93	122	138240	34.994	ng	# 95
28) bis(2-Chloroethoxy)methane	8.02	93	204528	32.937	ng	# 99
29) 2,4-Dichlorophenol	8.15	162	145319	31.007	ng	# 98
30) 1,2,4-Trichlorobenzene	8.22	180	162070	30.925	ng	# 97
31) Naphthalene	8.31	128	516106	36.075	ng	# 99
32) Benzoic acid	8.03	122	26774m	10.569	ng	#
33) 4-Chloroaniline	8.37	127	152081	24.081	ng	# 98
34) Hexachlorobutadiene	8.41	225	101468	29.487	ng	# 98
35) Caprolactam	8.71	113	33568	26.880	ng	# 84
36) 4-Chloro-3-methylphenol	8.84	107	143389	28.507	ng	# 99
37) 2-Methylnaphthalene	9.00	142	320693	33.131	ng	# 98
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	163533	34.568	ng	# 97
40) Hexachlorocyclopentadiene	9.14	237	29298	20.463	ng	# 94

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108655.D
 Acq On : 30 Aug 2018 22:06
 Operator : JU/SJ
 Sample : J4699-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

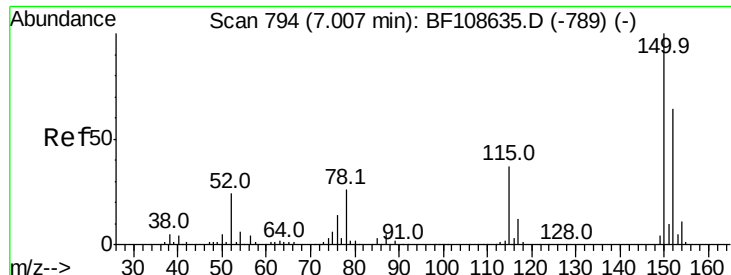
Manual Integrations
 APPROVED

Sohil
 8/31/2018 12:18:27 PM

Quant Time: Aug 31 05:59:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	89627	31.993	ng	99
43) 2,4,5-Trichlorophenol	9.33	196	116189	35.566	ng	96
45) 1,1'-Biphenyl	9.46	154	391128	33.716	ng	97
46) 2-Chloronaphthalene	9.49	162	299579	32.987	ng	98
47) 2-Nitroaniline	9.60	65	95092	31.306	ng	86
48) Acenaphthylene	9.91	152	466945	35.119	ng	99
49) Dimethylphthalate	9.75	163	420877	40.109	ng	# 98
50) 2,6-Dinitrotoluene	9.82	165	72473	31.333	ng	# 88
51) Acenaphthene	10.08	154	269411	33.889	ng	99
52) 3-Nitroaniline	10.01	138	63271	25.287	ng	91
53) 2,4-Dinitrophenol	10.14	184	11940	15.181	ng	# 43
54) Dibenzofuran	10.25	168	393861	31.662	ng	95
55) 4-Nitrophenol	10.20	139	60130	40.187	ng	# 85
56) 2,4-Dinitrotoluene	10.24	165	90495	29.549	ng	# 92
57) Fluorene	10.60	166	314978	32.673	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.37	232	95599	32.665	ng	# 83
59) Diethylphthalate	10.45	149	333313	31.528	ng	97
60) 4-Chlorophenyl-phenylether	10.58	204	159508	29.158	ng	94
61) 4-Nitroaniline	10.64	138	58152	24.017	ng	94
62) Azobenzene	10.74	77	310775	29.575	ng	92
64) 4,6-Dinitro-2-methylphenol	10.65	198	12208	10.766	ng	# 80
65) n-Nitrosodiphenylamine	10.70	169	284624	33.524	ng	97
66) 4-Bromophenyl-phenylether	11.07	248	97643	31.090	ng	# 90
67) Hexachlorobenzene	11.14	284	105073	31.053	ng	# 87
68) Atrazine	11.22	200	90020	35.144	ng	95
69) Pentachlorophenol	11.34	266	96799	53.838	ng	97
70) Phenanthrene	11.57	178	443830	34.409	ng	98
71) Anthracene	11.62	178	489405	36.111	ng	100
72) Carbazole	11.78	167	438704	33.477	ng	98
73) Di-n-butylphthalate	12.08	149	500234	33.178	ng	99
74) Fluoranthene	12.76	202	552667	38.066	ng	94
76) Benzidine	12.89	184	337334	45.036	ng	98
77) Pyrene	12.99	202	556791	27.835	ng	99
79) Butylbenzylphthalate	13.59	149	233347	27.742	ng	# 96
80) Benzo(a)anthracene	14.18	228	544156	33.544	ng	99
81) 3,3'-Dichlorobenzidine	14.14	252	202633	34.444	ng	# 98
82) Chrysene	14.22	228	513486	32.915	ng	98
83) Bis(2-ethylhexyl)phthalate	14.14	149	329686	30.494	ng	# 100
84) Di-n-octyl phthalate	14.76	149	584558	36.774	ng	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	353493	32.588	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	498387	36.861	ng	# 96
88) Benzo(k)fluoranthene	15.31	252	455945	34.041	ng	# 96
89) Benzo(a)pyrene	15.68	252	426095	34.872	ng	# 97
90) Dibenzo(a,h)anthracene	17.38	278	303569	31.107	ng	# 93
91) Benzo(g,h,i)perylene	17.87	276	276116	29.112	ng	# 88

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



#1

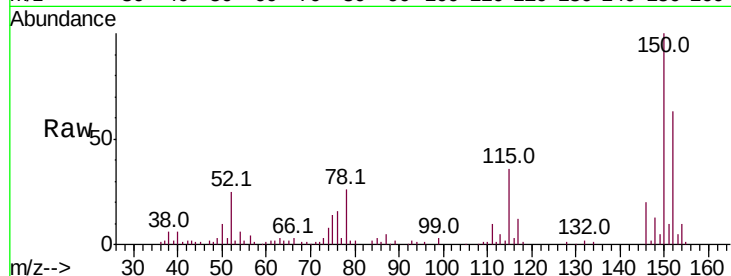
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	57.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM

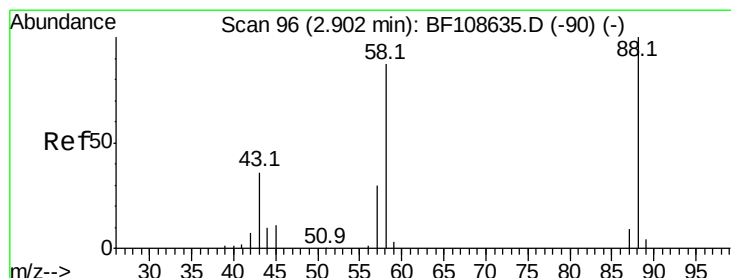
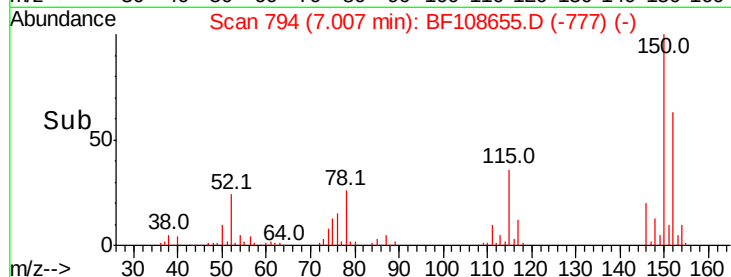
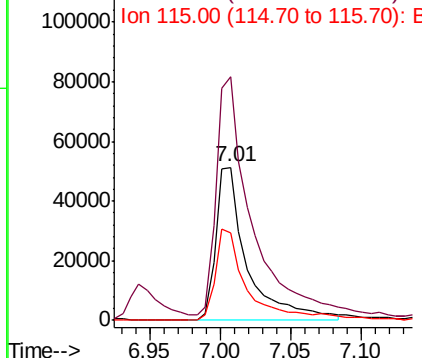


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 24.272 ng
RT: 2.90 min Scan# 96
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

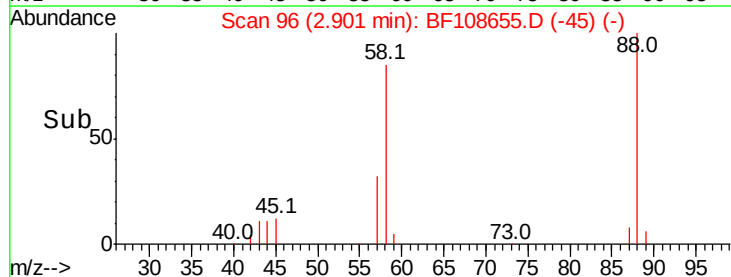
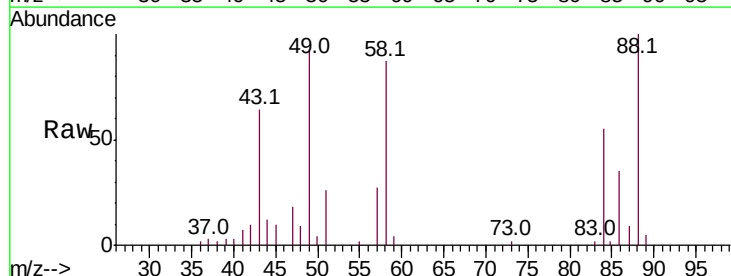
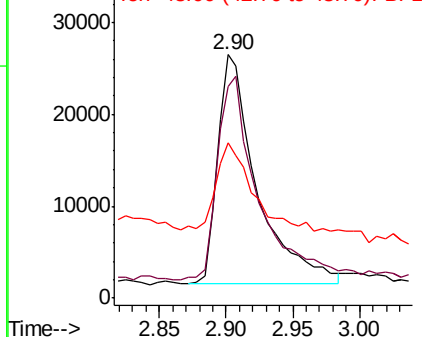
Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.2	62.6	93.8
43	54.1	24.6	37.0

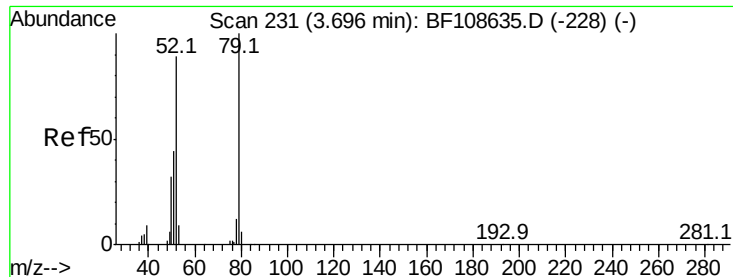
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 25.343 ng

RT: 3.71 min Scan# 234

Delta R.T. 0.02 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

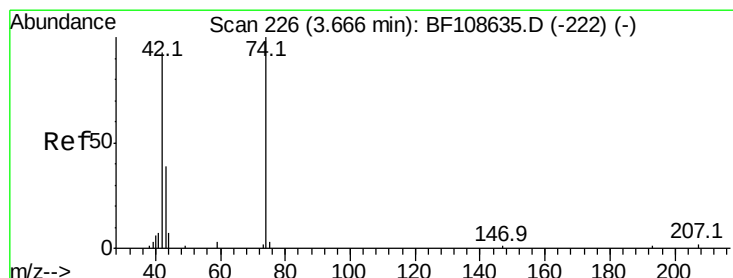
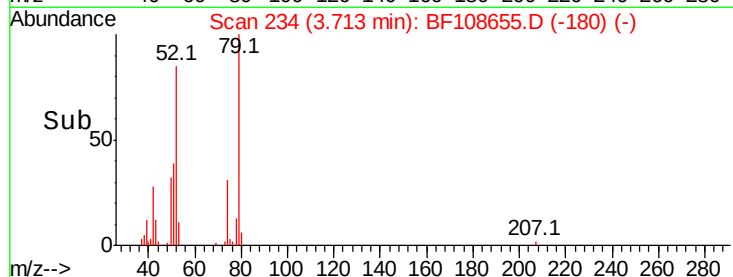
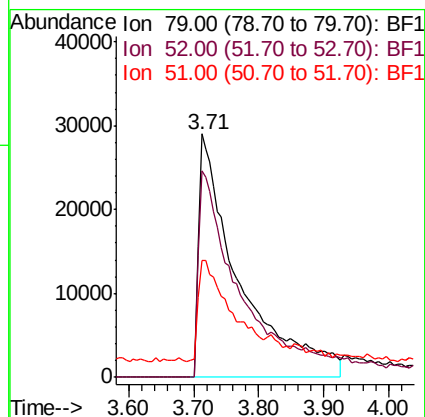
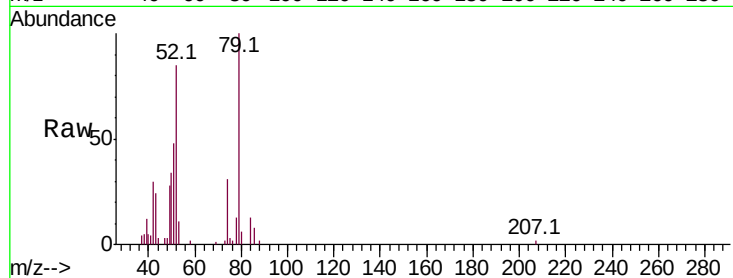
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	79	Resp:	124938
Ion Ratio	Lower	Upper	
79	100		
52	84.8	59.8	89.6
51	47.9	29.8	44.8#

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#4

n-Nitrosodimethylamine

Concen: 23.178 ng

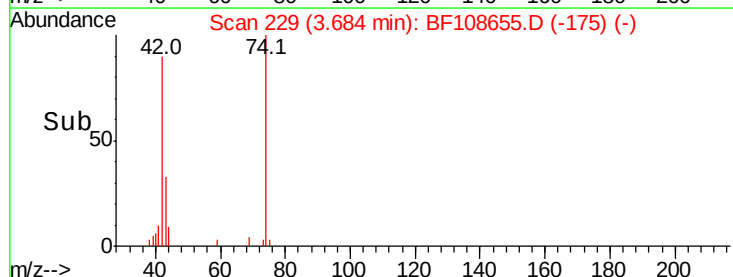
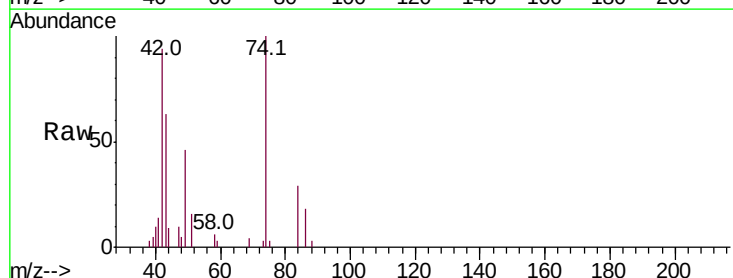
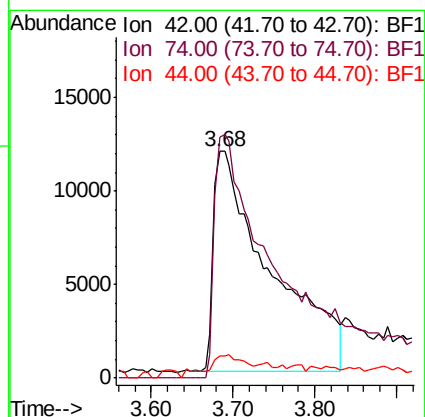
RT: 3.68 min Scan# 229

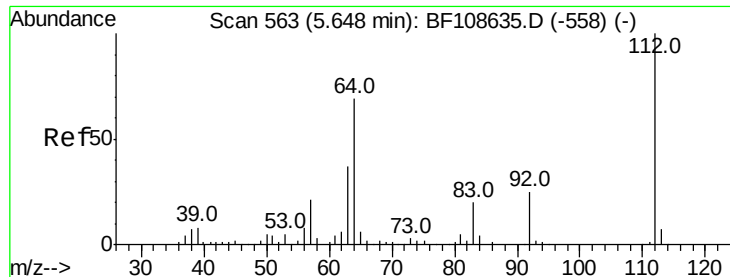
Delta R.T. 0.02 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	42	Resp:	57000
Ion Ratio	Lower	Upper	
42	100		
74	106.2	104.9	157.3
44	9.8	6.9	10.3





#5

2-Fluorophenol

Concen: 58.906 ng

RT: 5.65 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

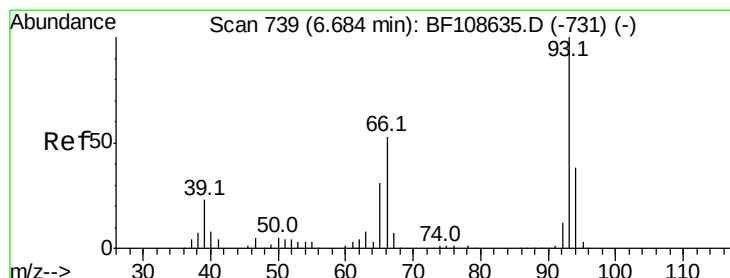
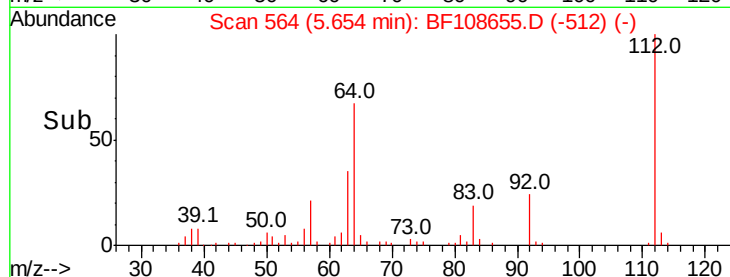
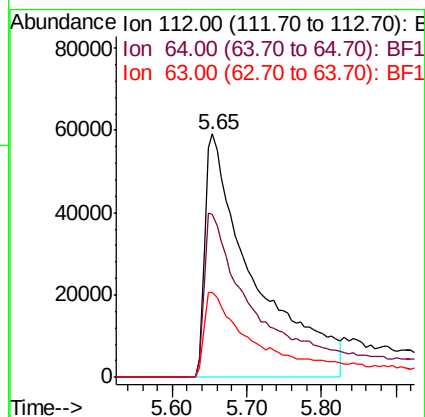
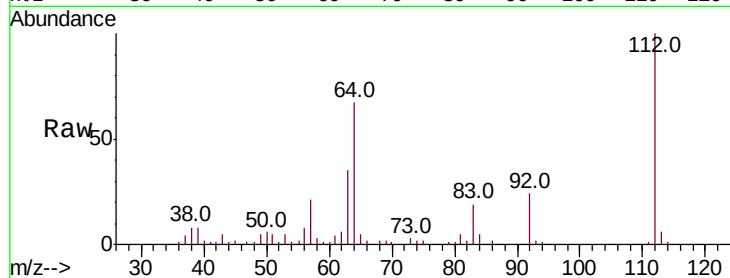
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	112	Resp:	270458
Ion Ratio	Lower	Upper	
112	100		
64	67.1	47.9	71.9
63	35.1	23.7	35.5

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#6

Aniline

Concen: 24.299 ng

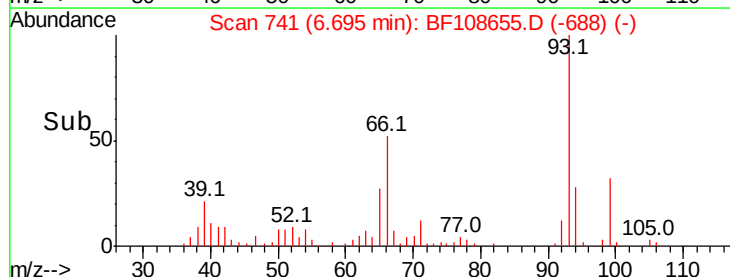
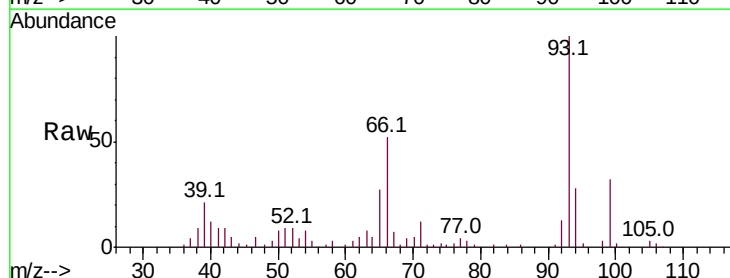
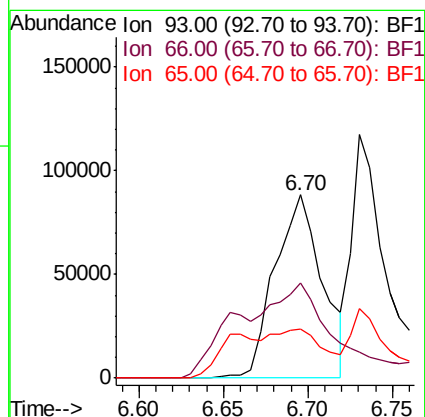
RT: 6.70 min Scan# 741

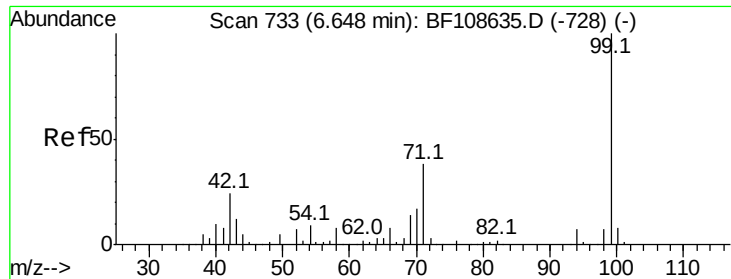
Delta R.T. 0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	93	Resp:	172428
Ion Ratio	Lower	Upper	
93	100		
66	51.8	32.2	48.2#
65	27.0	16.4	24.6#





#7

Phenol-d6

Concen: 68.773 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

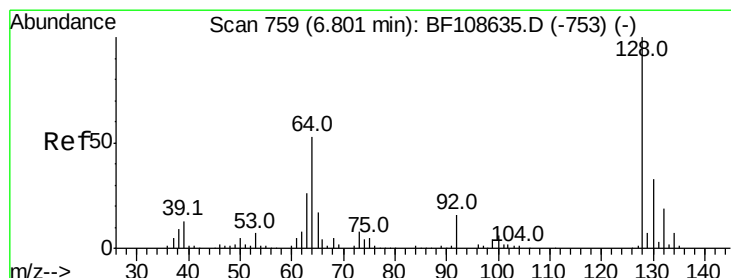
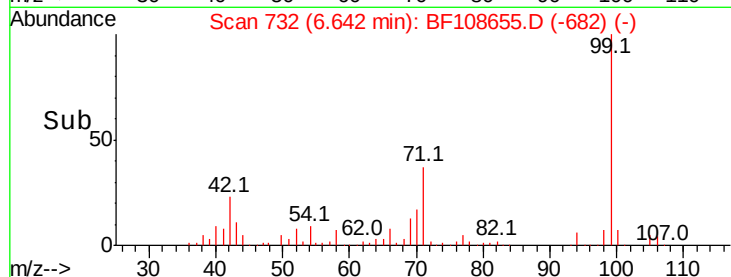
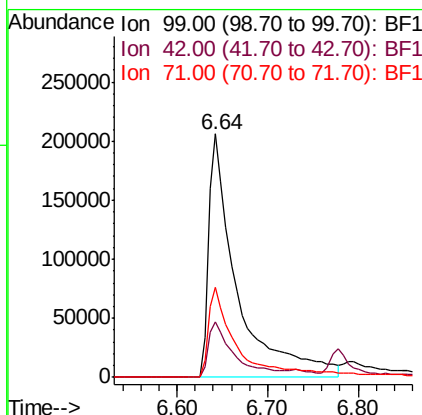
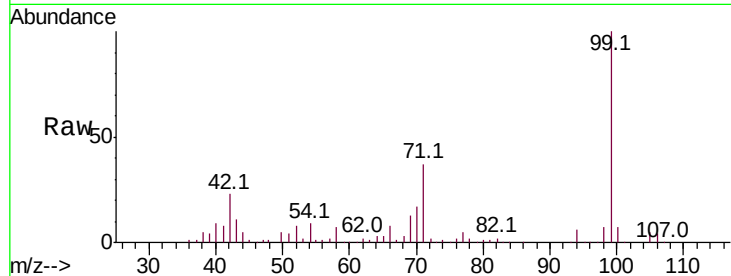
ClientSampled :

CG-SOIL-1MS

Tot Ion:	99	Resp:	452252
Ion Ratio	Lower	Upper	
99	100		
42	22.9	14.5	21.7#
71	36.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#8

2-Chlorophenol

Concen: 31.405 ng

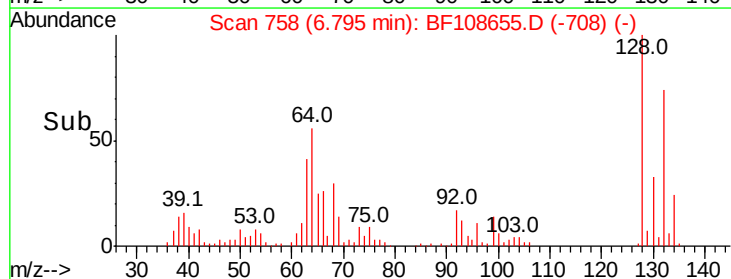
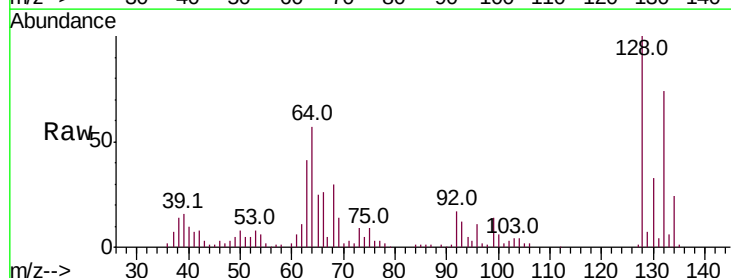
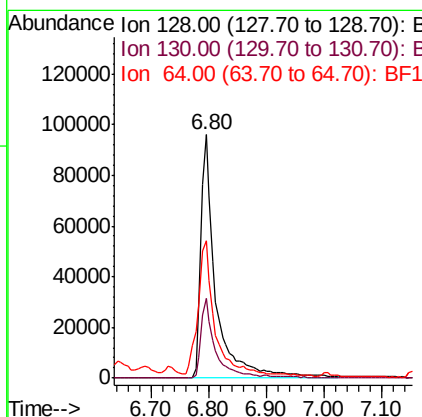
RT: 6.80 min Scan# 758

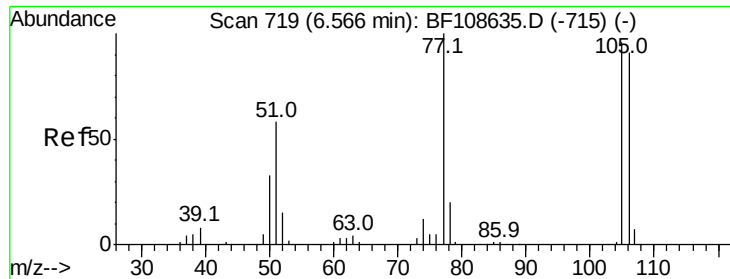
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	128	Resp:	176300
Ion Ratio	Lower	Upper	
128	100		
130	32.9	13.0	53.0
64	56.7	29.4	69.4





#9

Benzaldehyde

Concen: 22.463 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

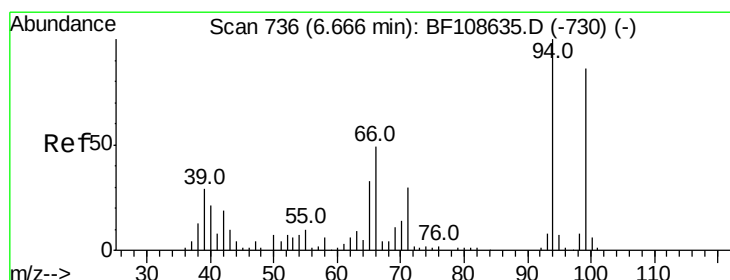
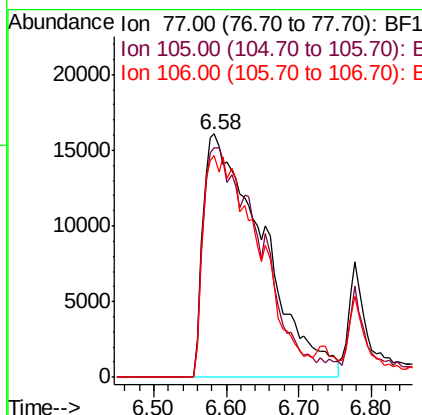
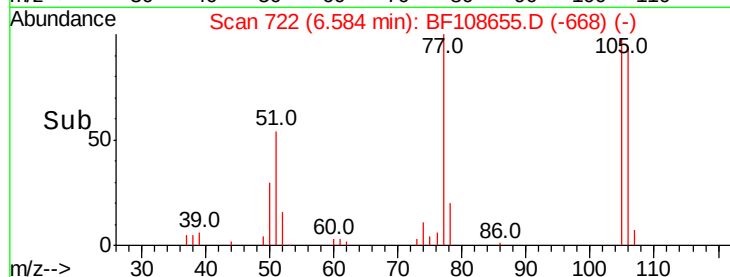
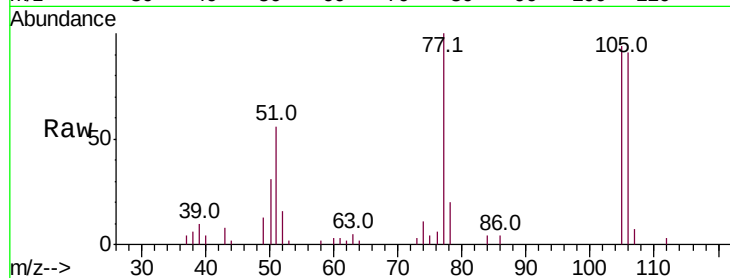
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	77	Resp:	91301
Ion	Ratio	Lower	Upper
77	100		
105	94.3	81.1	121.1
106	90.9	74.5	114.5

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#10

Phenol

Concen: 29.644 ng

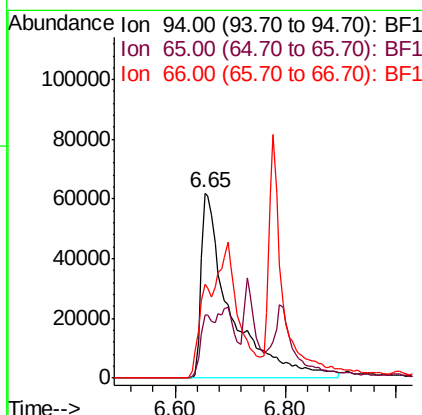
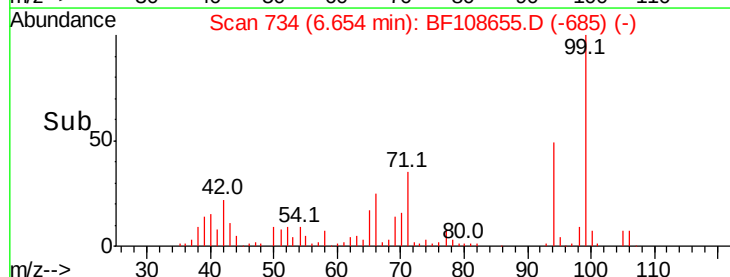
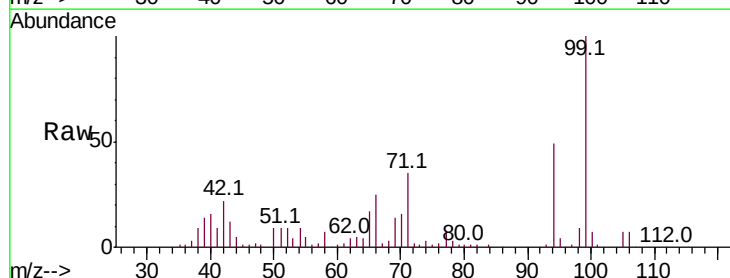
RT: 6.65 min Scan# 734

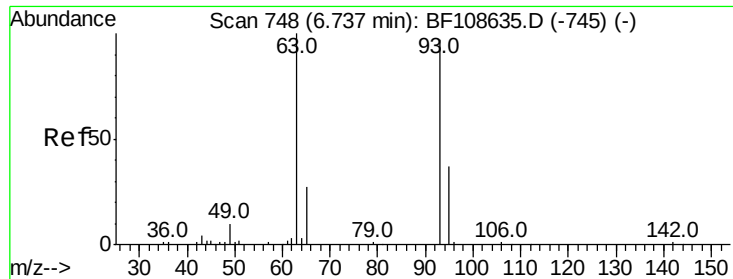
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	94	Resp:	227319
Ion	Ratio	Lower	Upper
94	100		
65	34.3	7.9	47.9
66	50.8	16.2	56.2





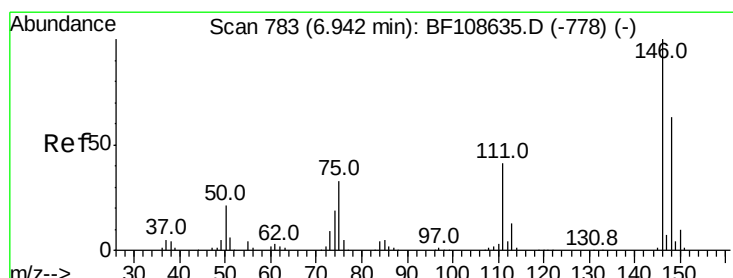
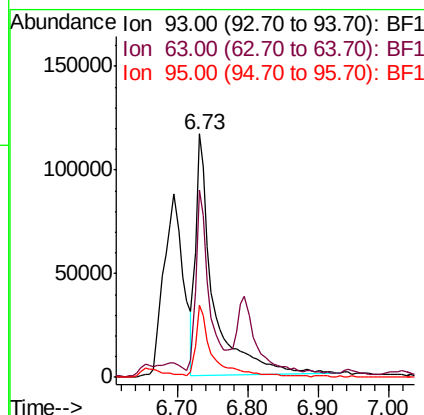
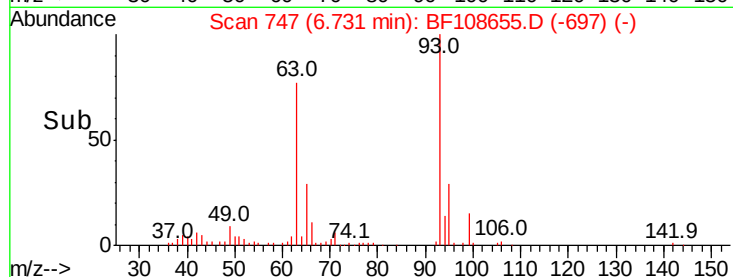
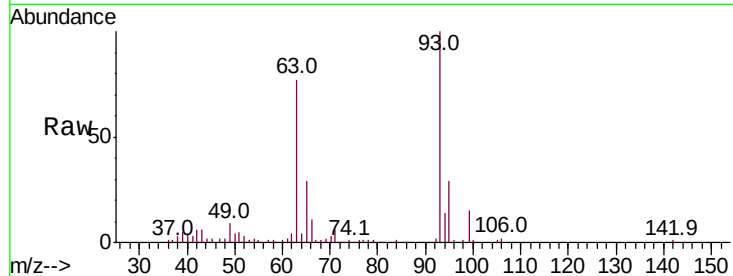
#11
 bis(2-Chloroethyl)ether
 Concen: 30.321 ng
 RT: 6.73 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion:	93	Resp:	204739
Ion Ratio	Lower	Upper	
93	100		
63	77.0	58.6	98.6
95	29.4	11.8	51.8

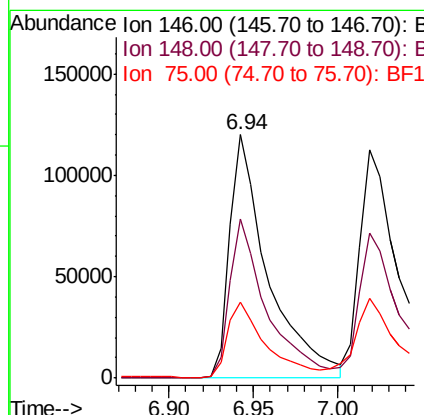
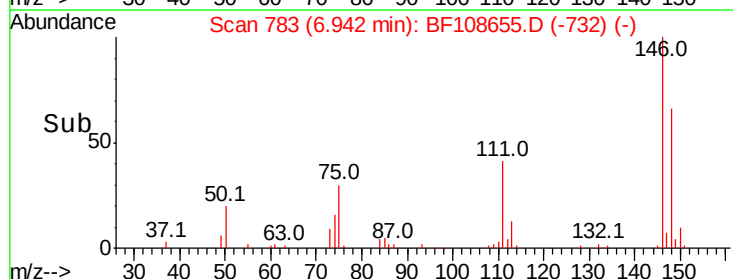
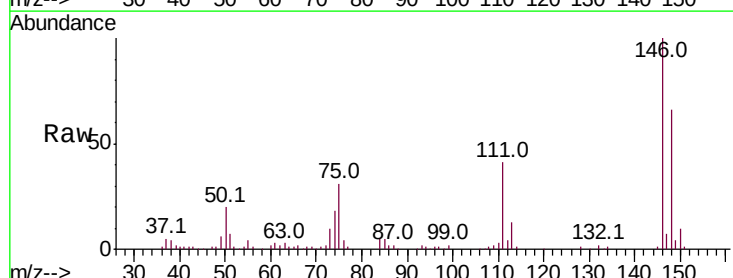
Manual Integrations
 APPROVED

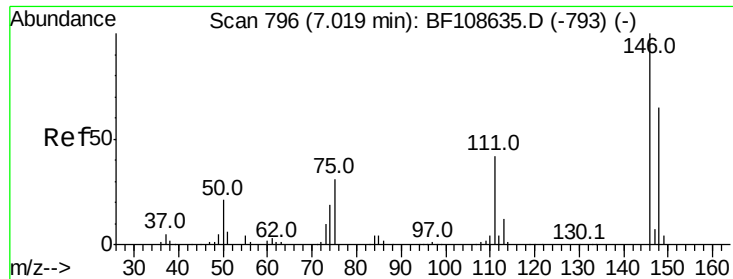
Sohil
 8/31/2018 12:18:27 PM



#12
 1,3-Dichlorobenzene
 Concen: 29.044 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion:	146	Resp:	189049
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.8	77.8
75	31.0	24.2	36.4





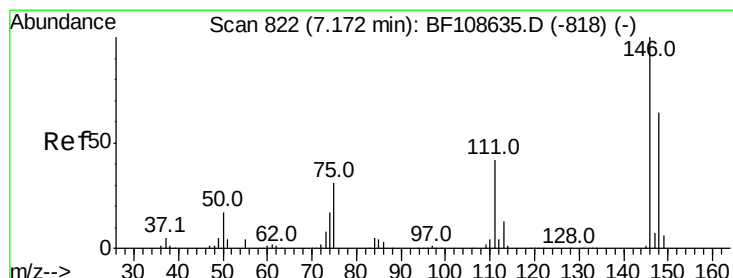
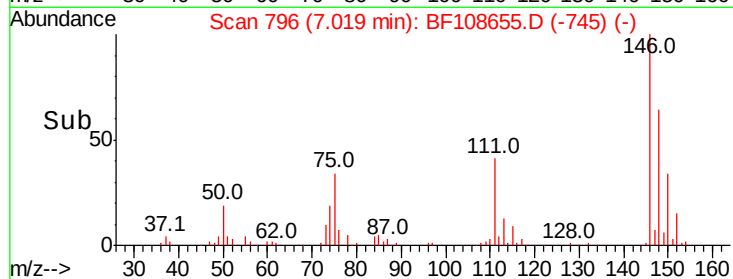
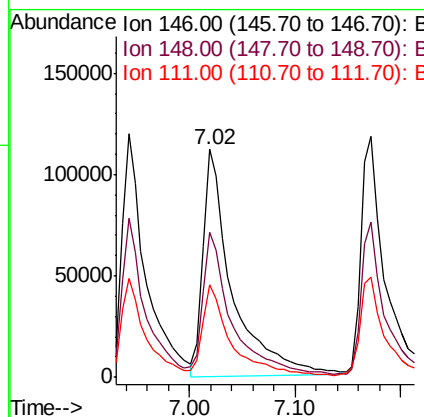
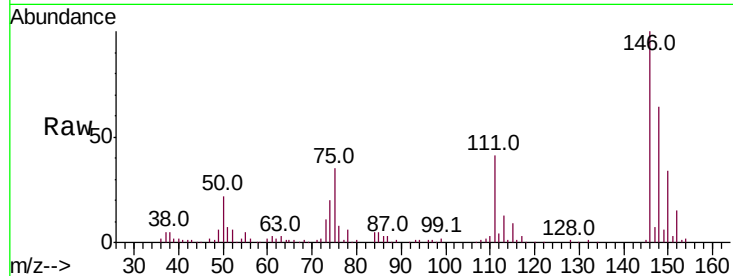
#13
 1,4-Dichlorobenzene
 Concen: 30.146 ng
 RT: 7.02 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.8	76.2
111	40.7	34.2	51.2

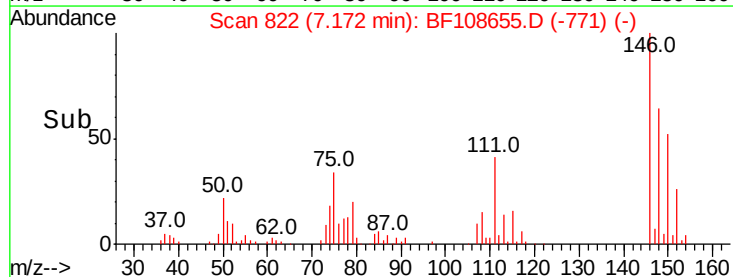
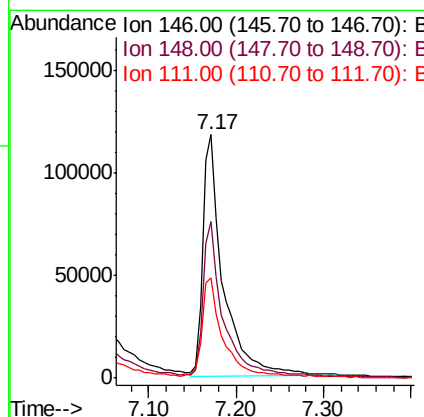
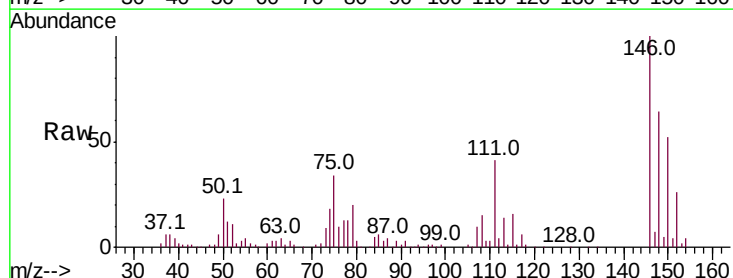
Manual Integrations
 APPROVED

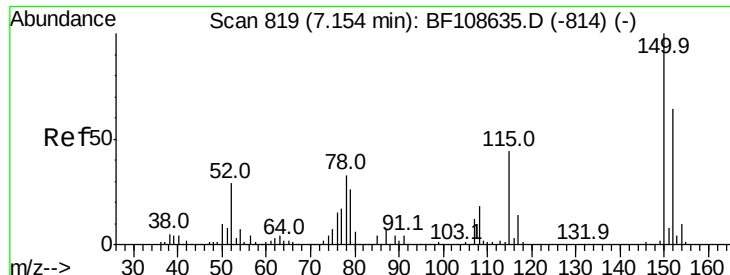
Sohil
 8/31/2018 12:18:27 PM



#14
 1,2-Dichlorobenzene
 Concen: 29.353 ng
 RT: 7.17 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.6	75.8
111	41.4	36.0	54.0





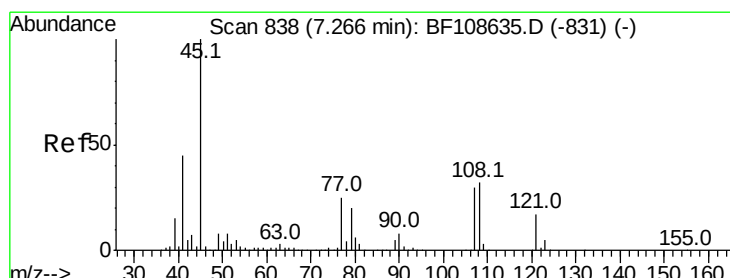
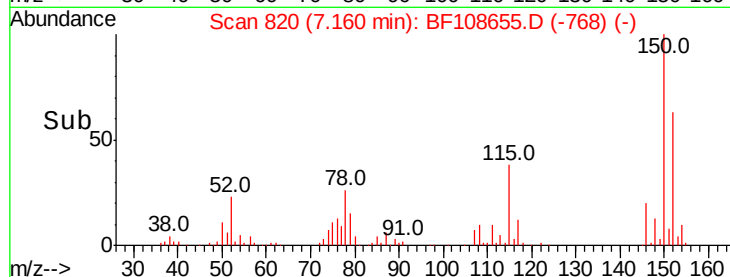
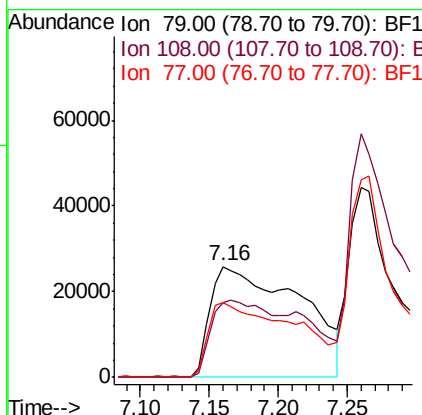
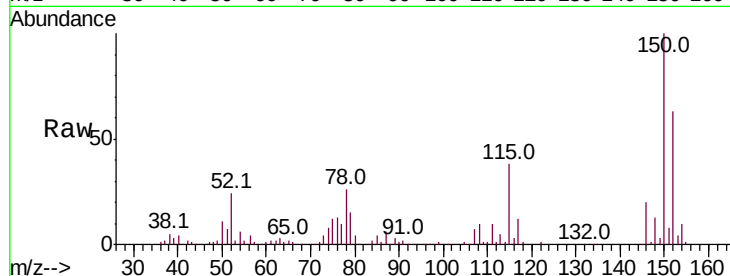
#15
Benzyl Alcohol
Concen: 24.689 ng/ml
RT: 7.16 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampled :
CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	67.5	65.1	97.7
77	67.0	50.6	75.8

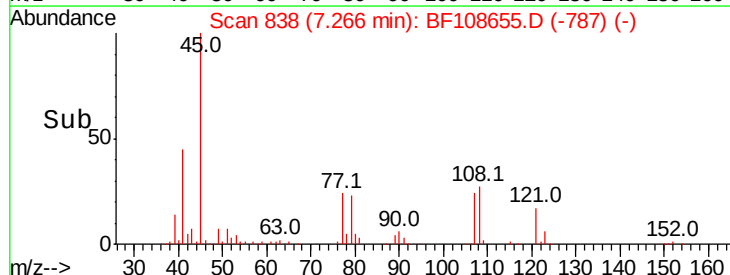
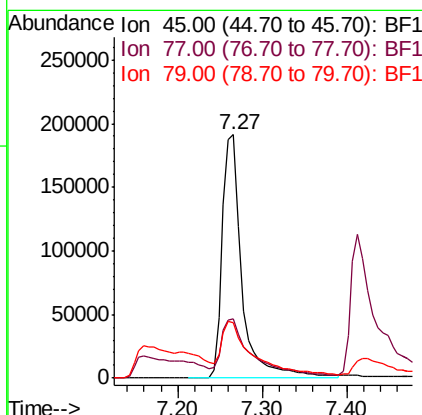
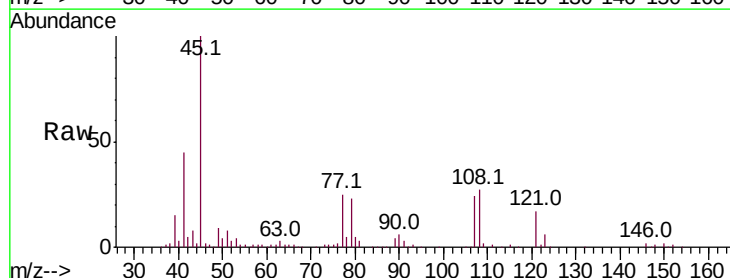
Manual Integrations
APPROVED

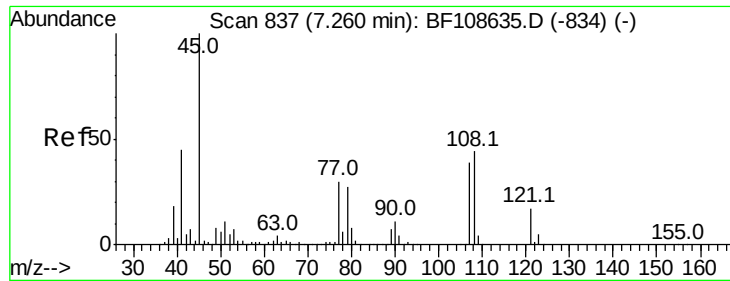
Sohil
8/31/2018 12:18:27 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 29.963 ng/ml
RT: 7.27 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
45	100		
77	24.5	0.0	32.9
79	22.7	0.0	29.6





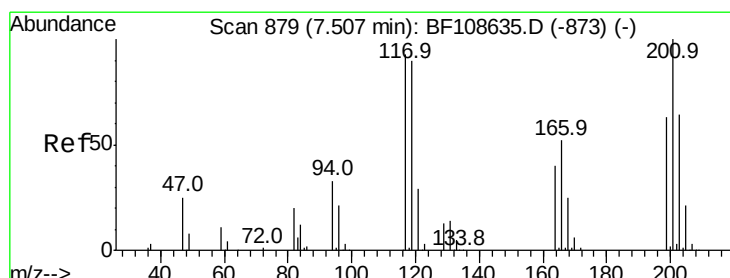
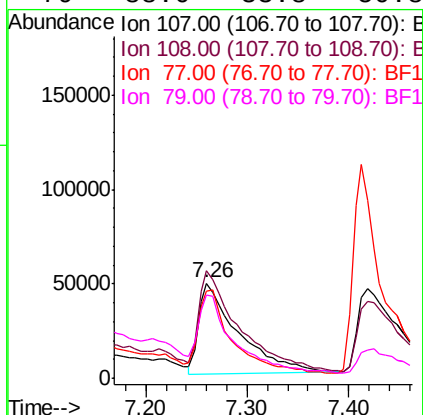
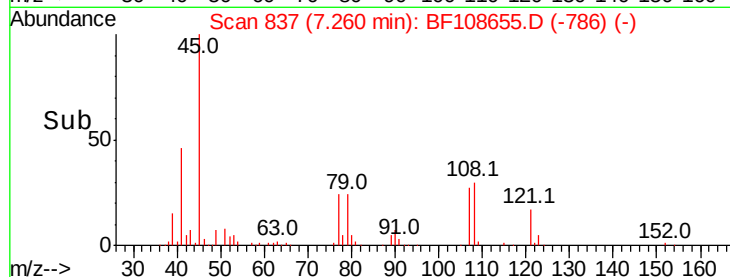
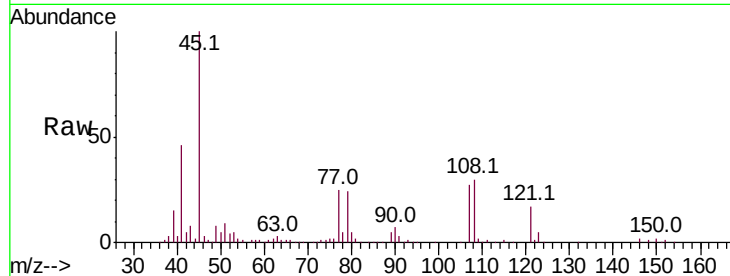
#17
2-Methylphenol
Concen: 29.674 ng
RT: 7.26 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	91.7	137.5	
77	91.2	33.8	50.8#	
79	88.0	33.8	50.8#	

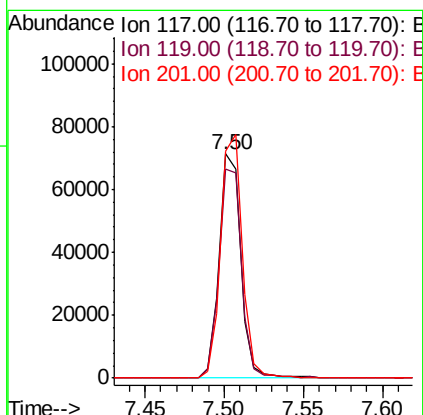
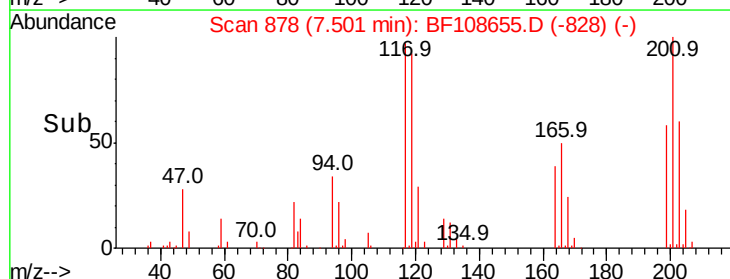
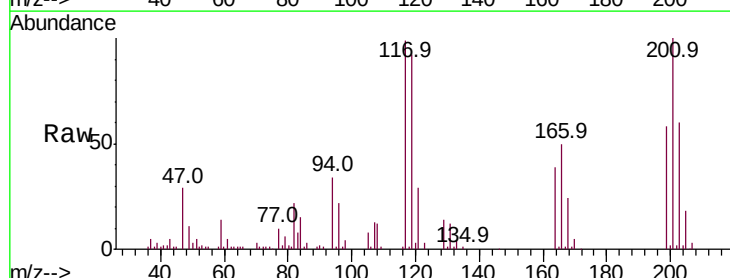
Manual Integrations
APPROVED

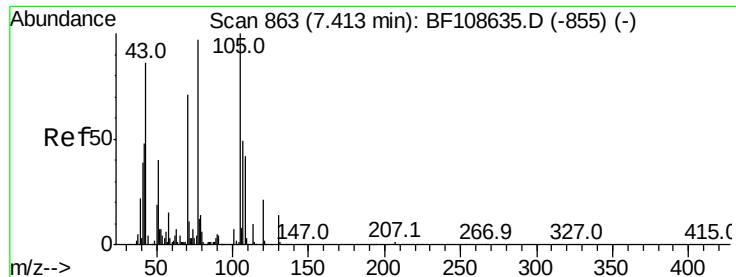
Sohil
8/31/2018 12:18:27 PM



#18
Hexachloroethane
Concen: 27.616 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.6	75.8	113.8	
201	101.4	75.7	113.5	





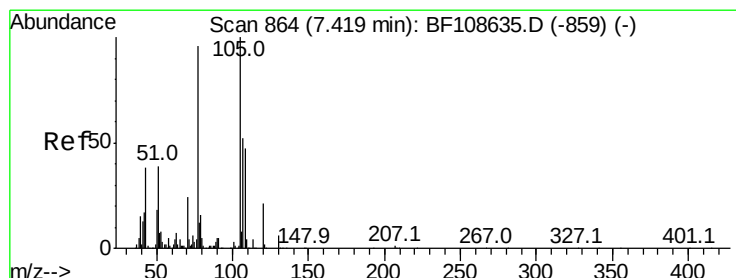
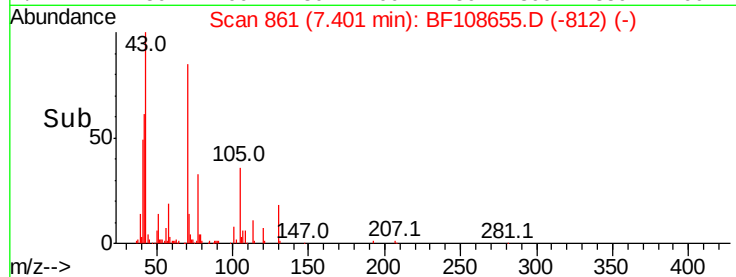
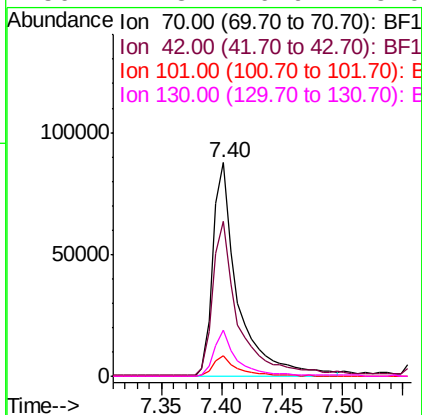
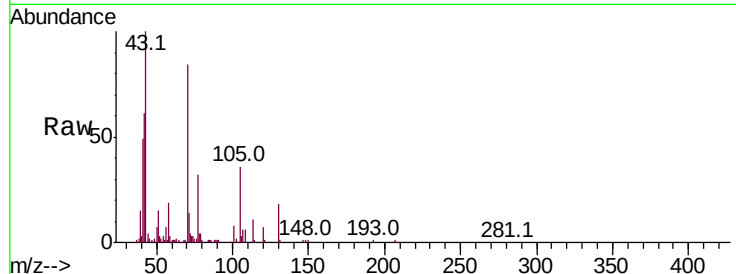
#19
n-Nitroso-di-n-propylamine
Concen: 28.327 ng
RT: 7.40 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	72.4	47.5	71.3#
101	9.9	7.4	11.2
130	21.3	16.6	25.0

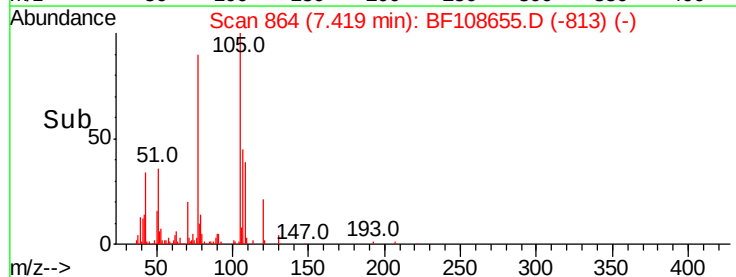
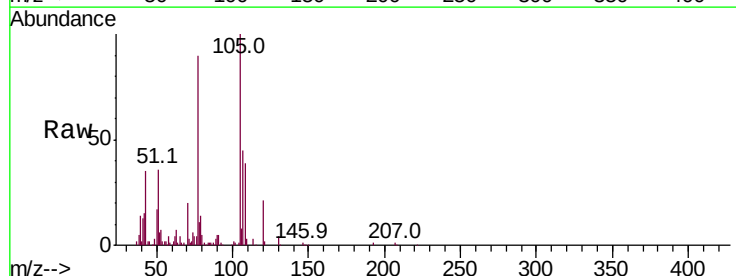
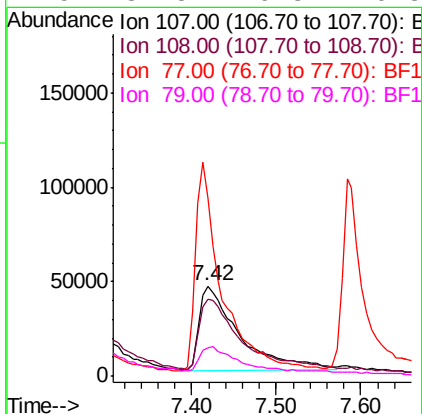
Manual Integrations
APPROVED

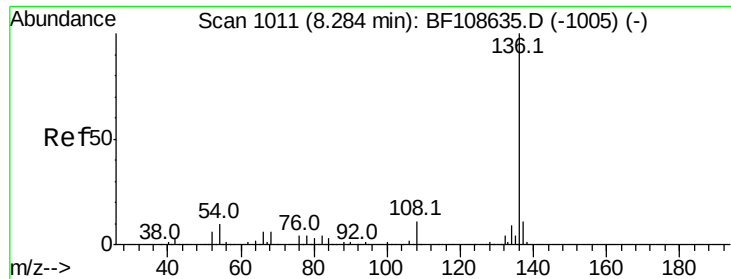
Sohil
8/31/2018 12:18:27 PM



#20
3+4-Methylphenols
Concen: 27.140 ng
RT: 7.42 min Scan# 864
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.8	68.2	108.2
77	198.7	26.7	66.7#
79	31.8	6.3	46.3





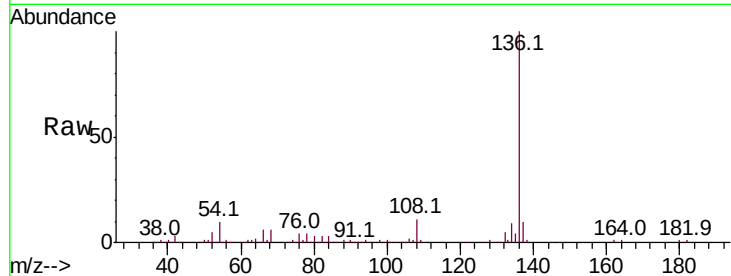
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

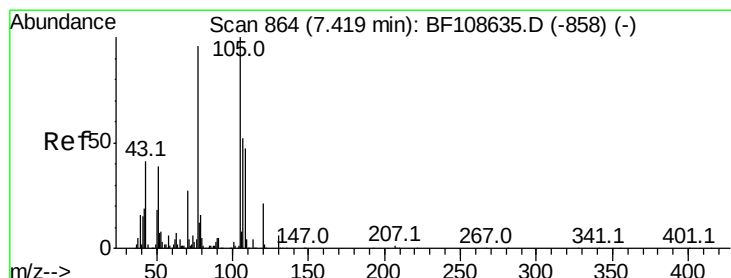
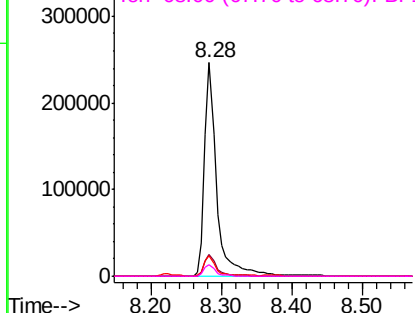
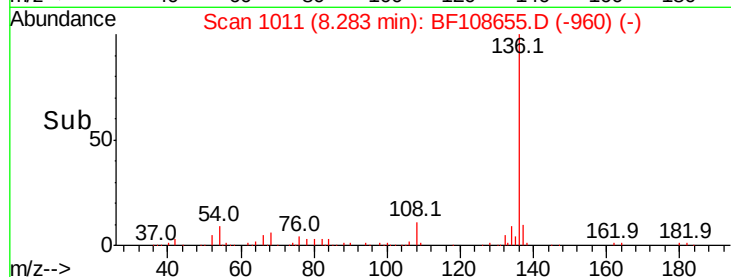
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.3	8.9	13.3	
54	9.6	6.6	9.8	
68	5.7	5.0	7.4	

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM

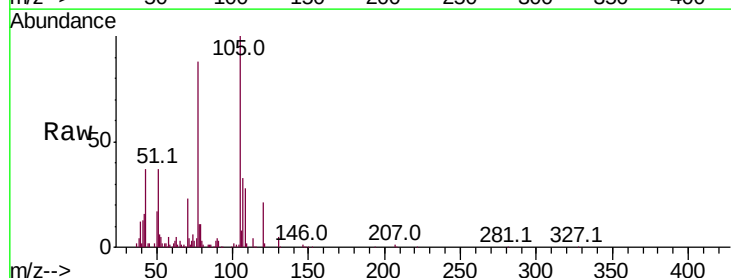


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

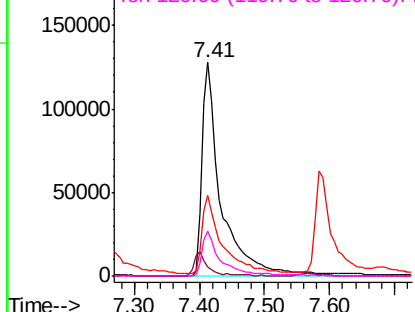
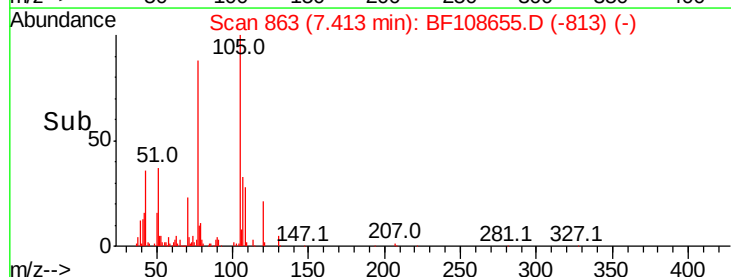


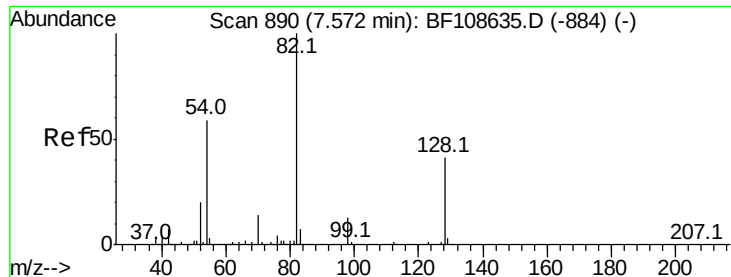
#22
Acetophenone
Concen: 34.765 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.2	4.4	6.6#	
51	37.5	22.3	33.5#	
120	20.8	16.9	25.3	



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





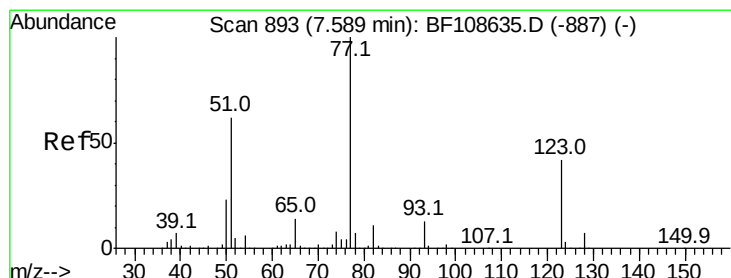
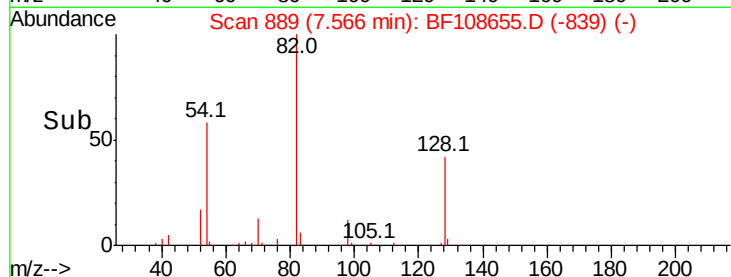
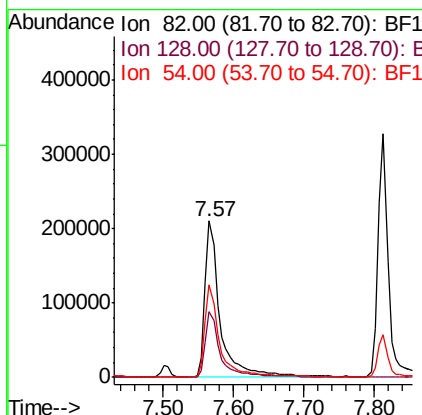
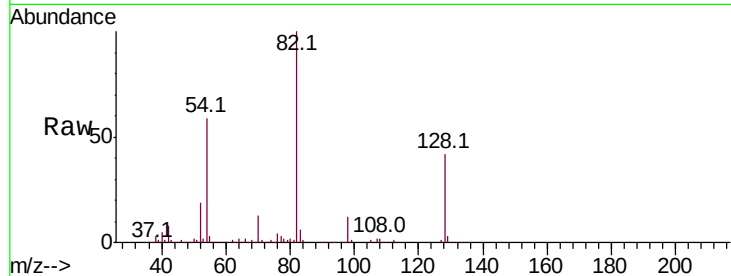
#23
Nitrobenzene-d5
Concen: 54.424 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.7	36.1	54.1	
54	59.2	41.4	62.2	

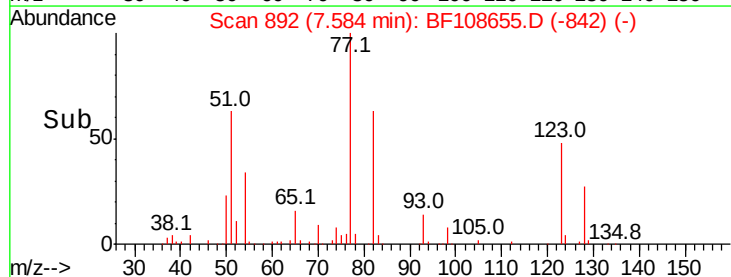
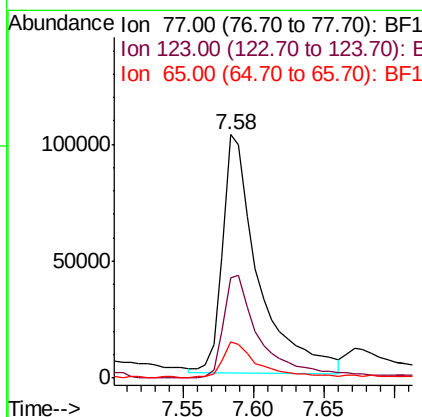
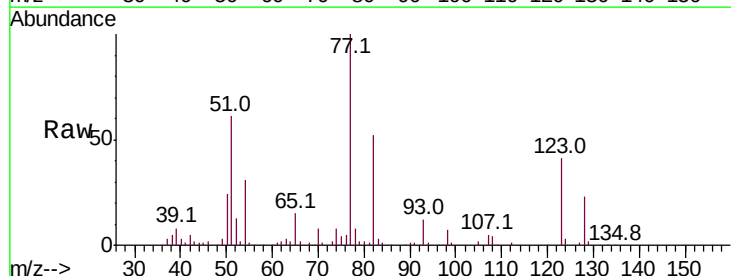
Manual Integrations
APPROVED

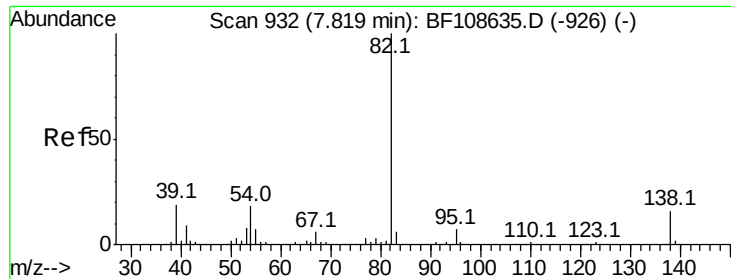
Sohil
8/31/2018 12:18:27 PM



#24
Nitrobenzene
Concen: 30.296 ng
RT: 7.58 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	41.3	37.9	56.9	
65	14.8	11.0	16.4	





#25

Isophorone

Concen: 33.473 ng

RT: 7.81 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

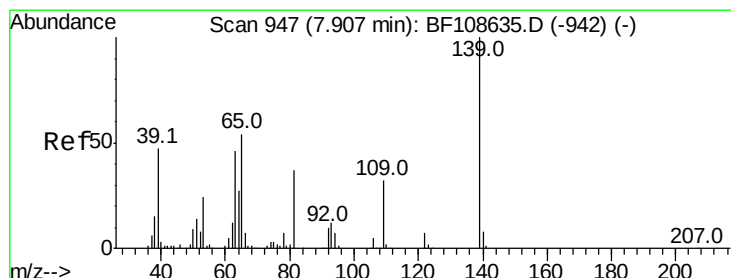
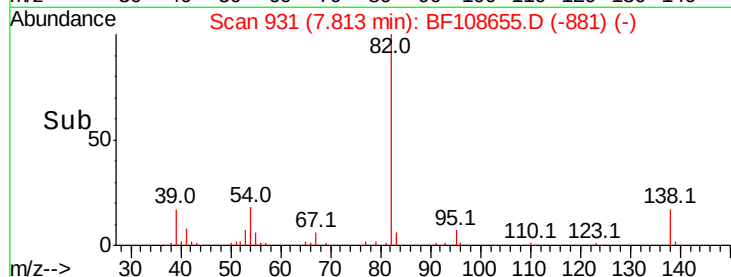
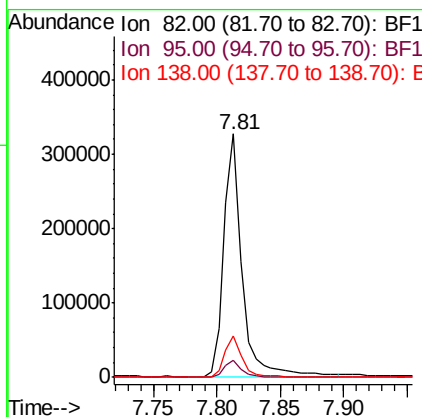
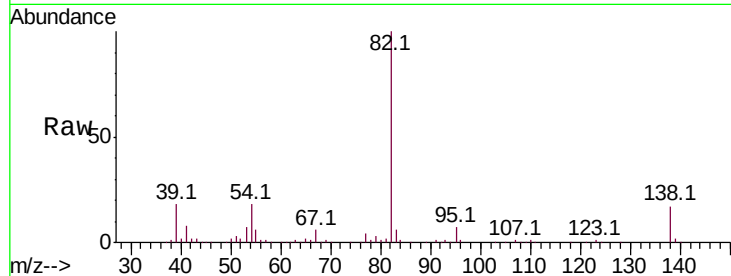
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	82	Resp:	329041
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	16.9	14.9	22.3

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#26

2-Nitrophenol

Concen: 28.609 ng

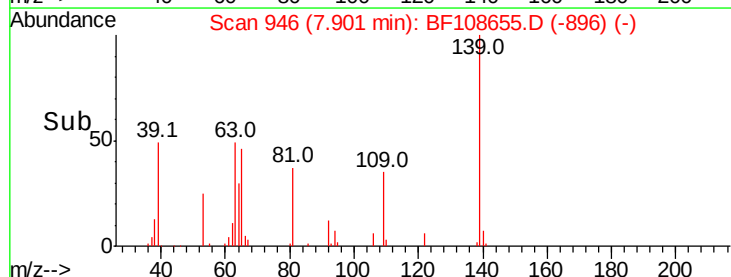
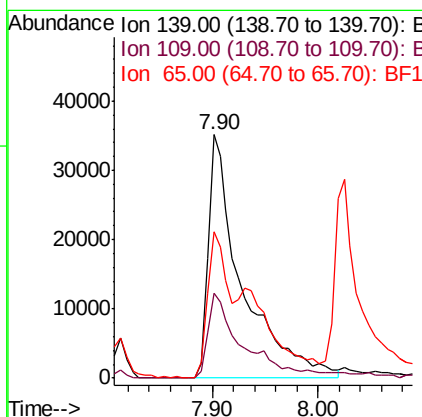
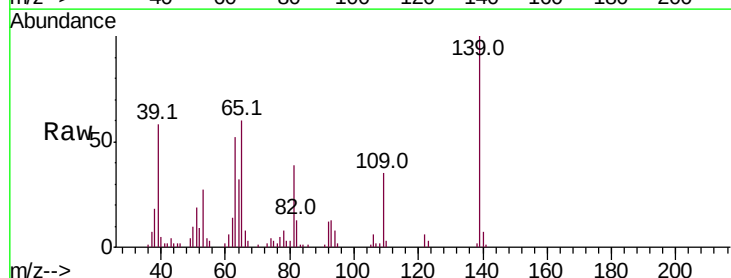
RT: 7.90 min Scan# 946

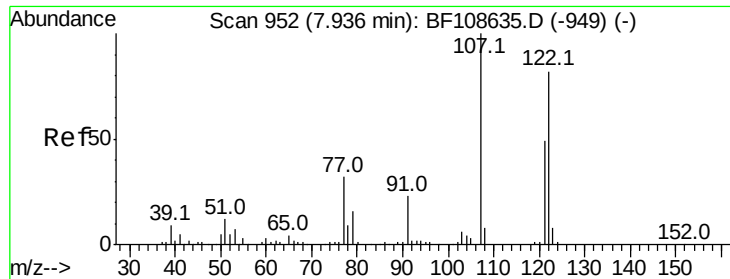
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	139	Resp:	77709
Ion Ratio	Lower	Upper	
139	100		
109	34.7	22.7	34.1#
65	60.3	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 34.994 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

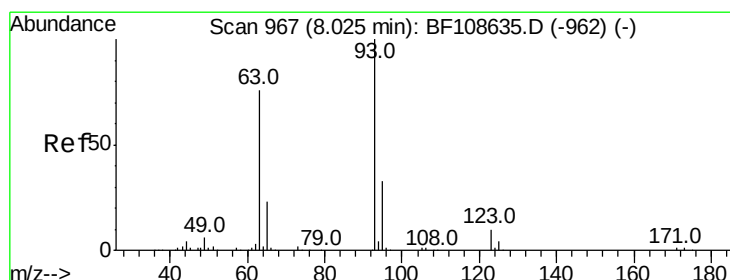
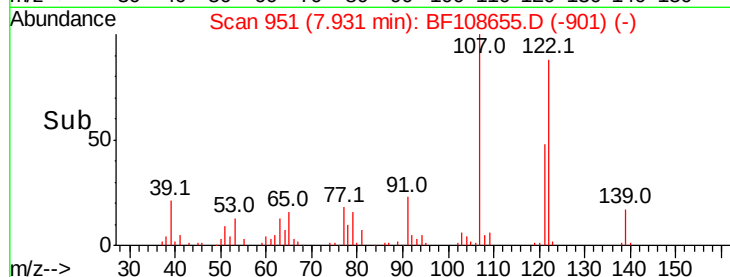
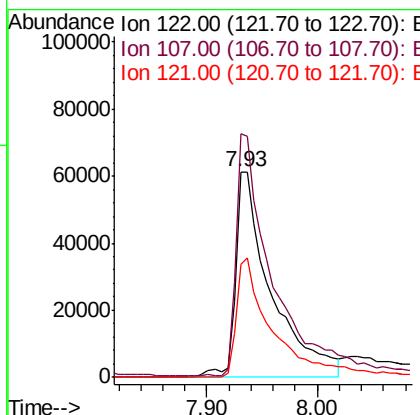
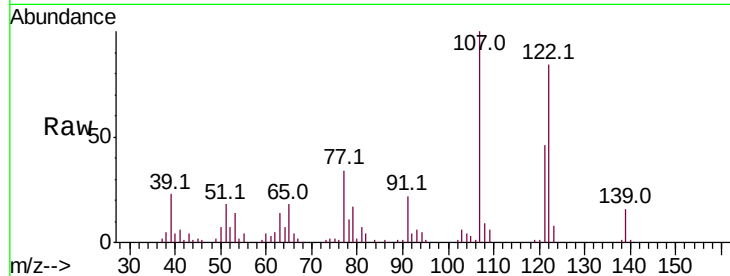
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	122	Resp:	138240
Ion Ratio	Lower	Upper	
122	100		
107	118.4	91.2	136.8
121	54.8	47.2	70.8

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#28

bis(2-Chloroethoxy)methane

Concen: 32.937 ng

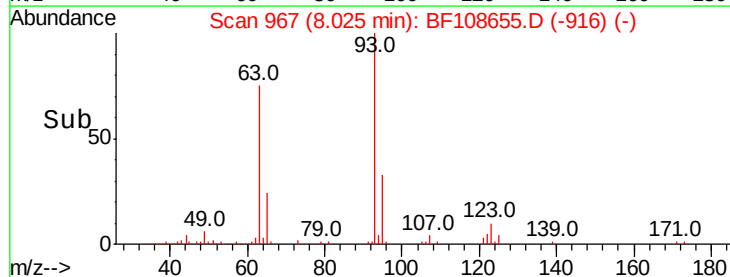
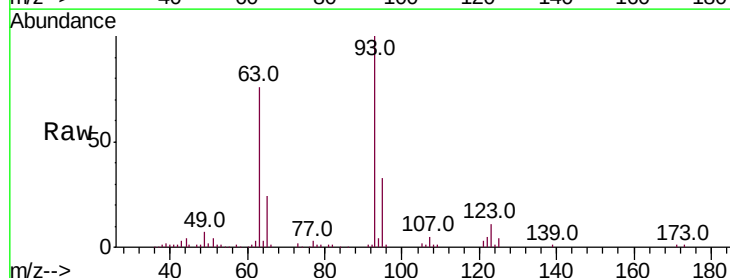
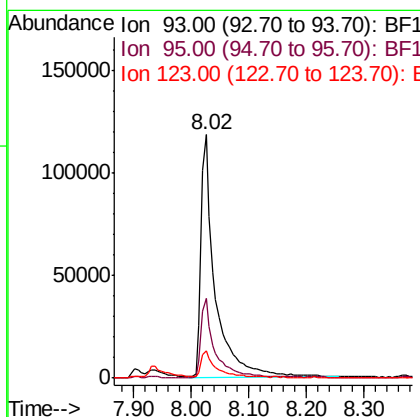
RT: 8.02 min Scan# 967

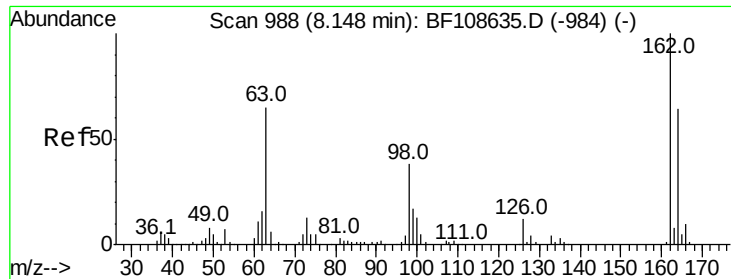
Delta R.T. -0.00 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	93	Resp:	204528
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.3	39.5
123	11.0	9.8	14.6





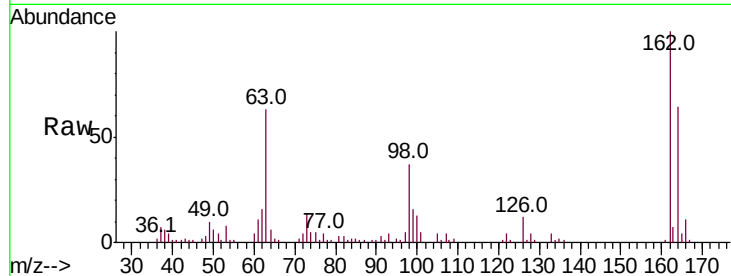
#29
2,4-Dichlorophenol
Concen: 31.007 ng
RT: 8.15 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	145319		
164	63.9	42.7	82.7	
98	37.0	18.1	58.1	

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM

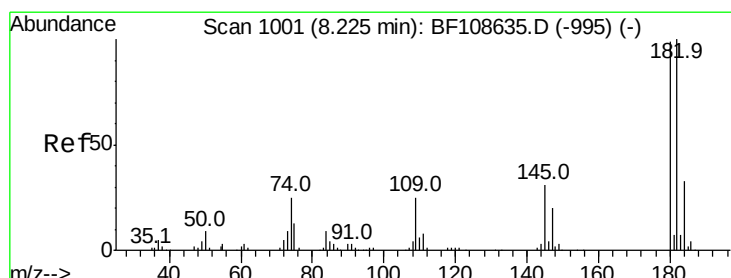
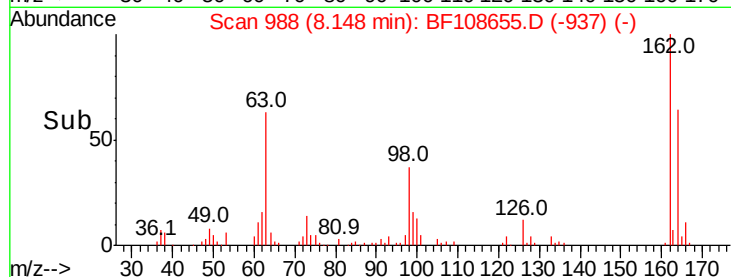
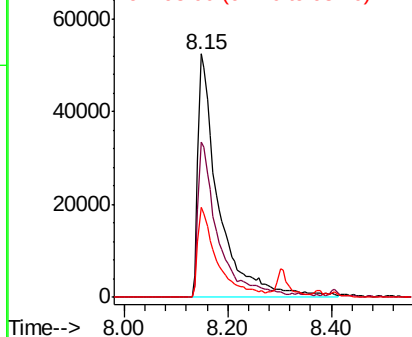


Abundance

Ion 162.00 (161.70 to 162.70): E

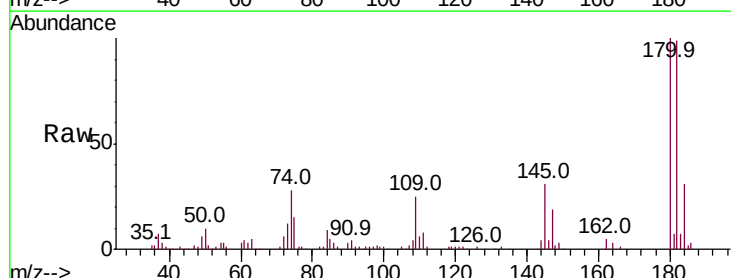
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 30.925 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	162070		
182	98.9	76.8	115.2	
145	31.3	26.5	39.7	

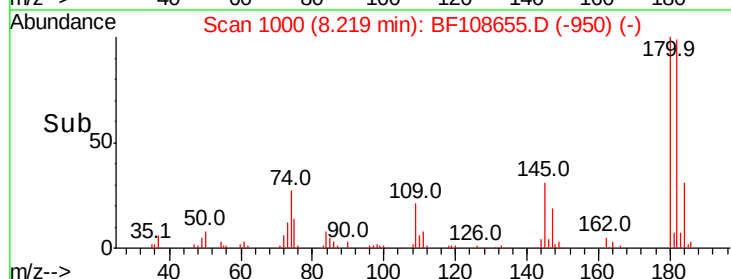
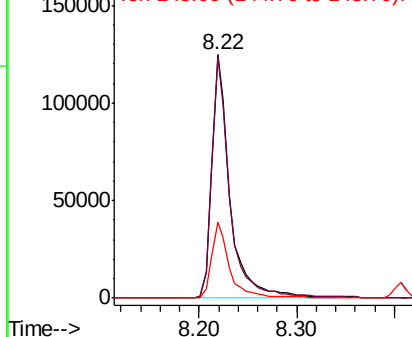


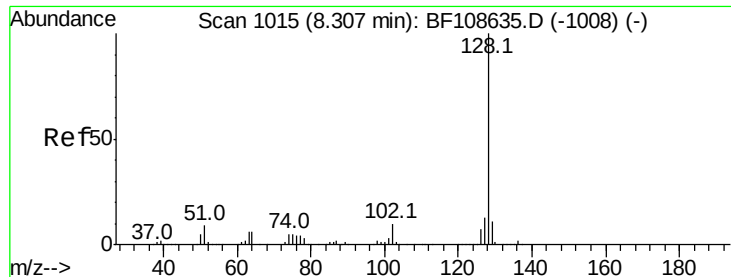
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





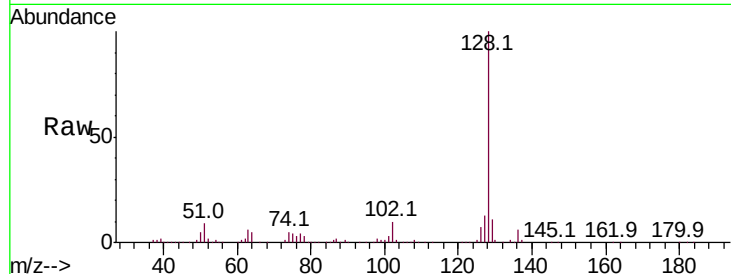
#31
Naphthalene
Concen: 36.075 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

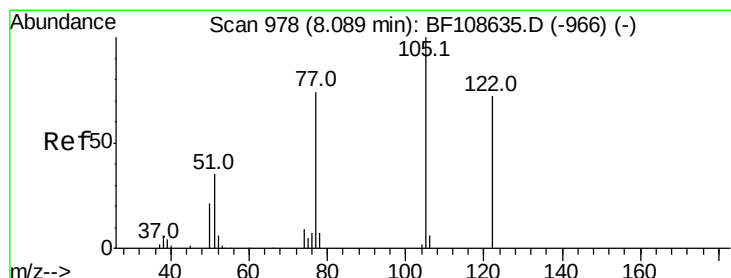
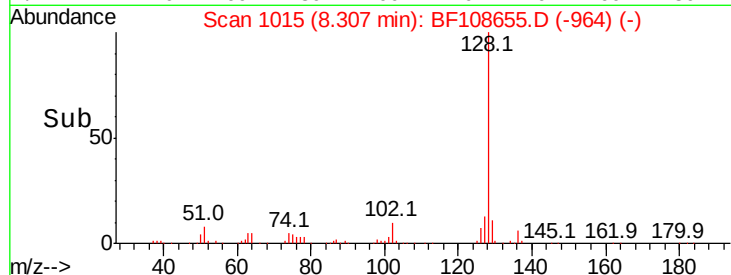
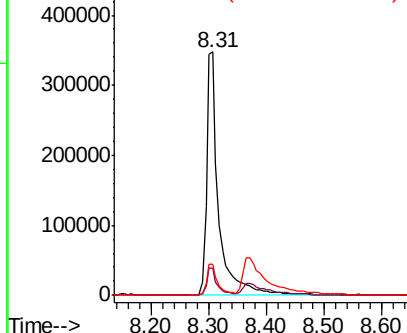
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	13.0	10.9	16.3	

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM

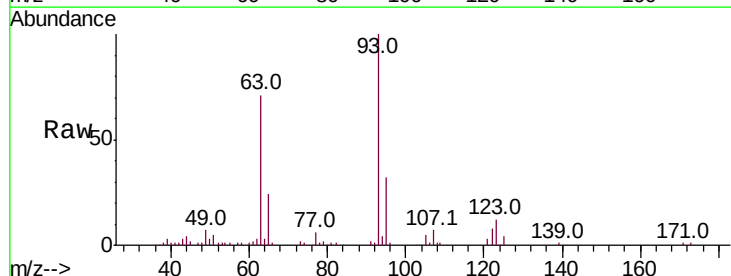


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

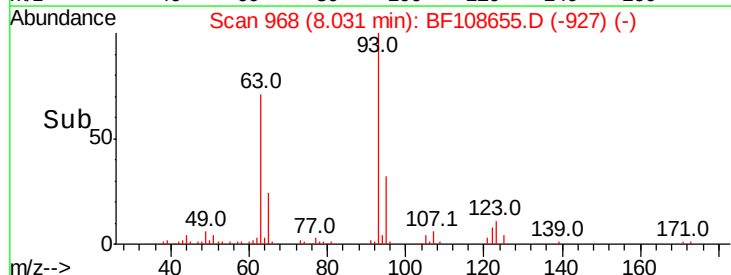
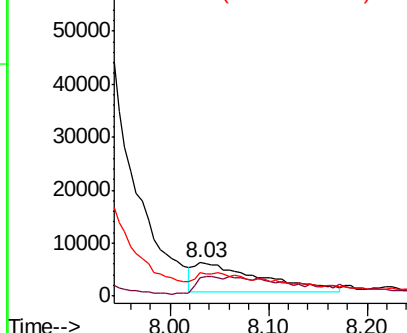


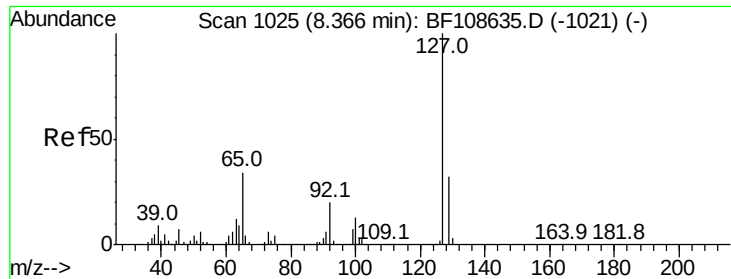
#32
Benzoic acid
Concen: 10.569 ng m
RT: 8.03 min Scan# 968
Delta R.T. -0.06 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	57.3	101.1	141.1#	
77	72.5	70.7	110.7	



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





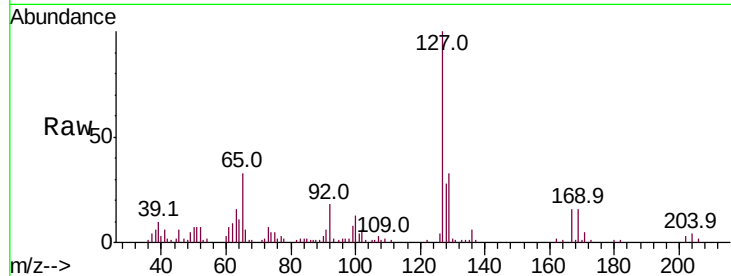
#33
4-Chloroaniline
Concen: 24.081 ng
RT: 8.37 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	25.9	38.9	
65	32.9	25.0	37.4	
92	17.9	15.2	22.8	

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



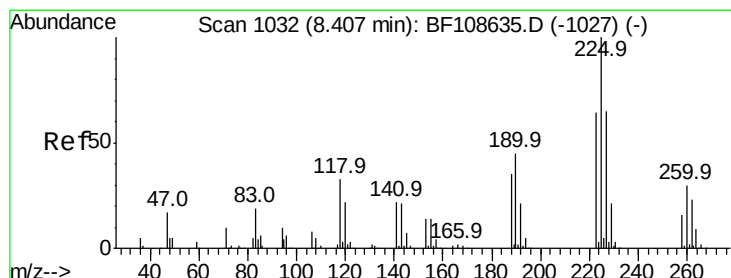
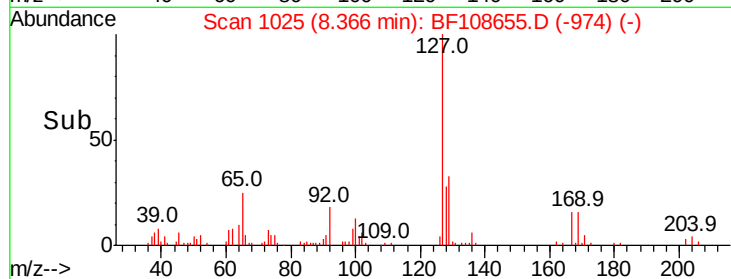
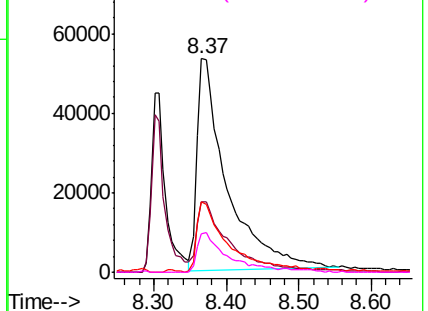
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

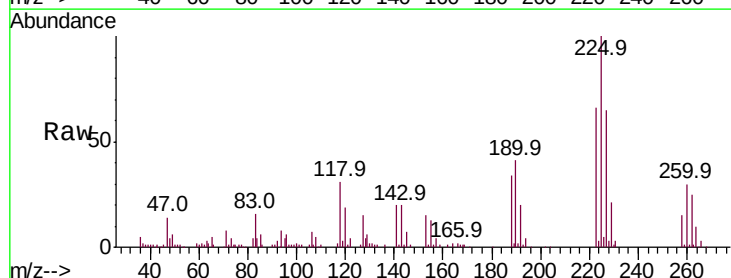
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 29.487 ng
RT: 8.41 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	50.6	76.0	
227	64.6	51.9	77.9	

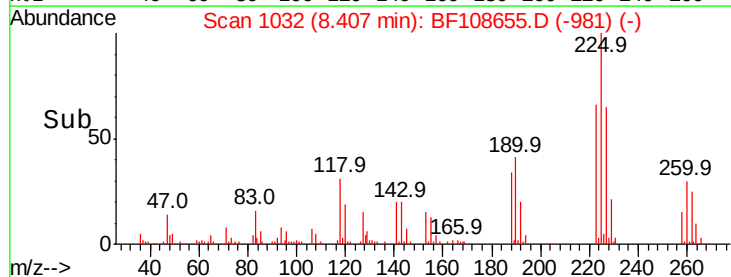
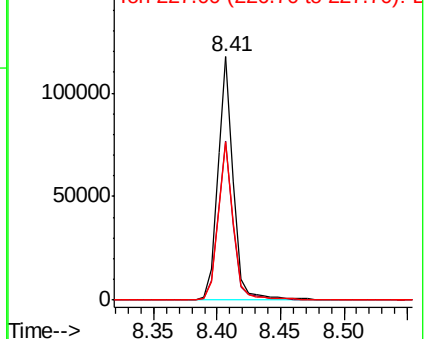


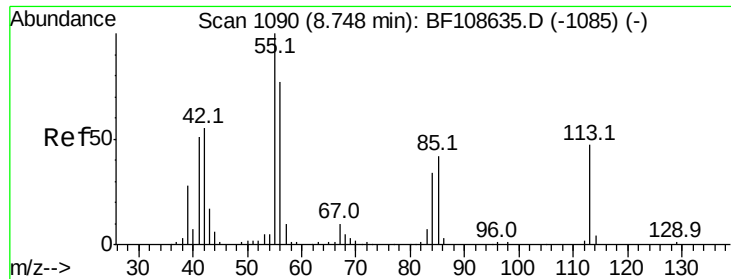
Abundance

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





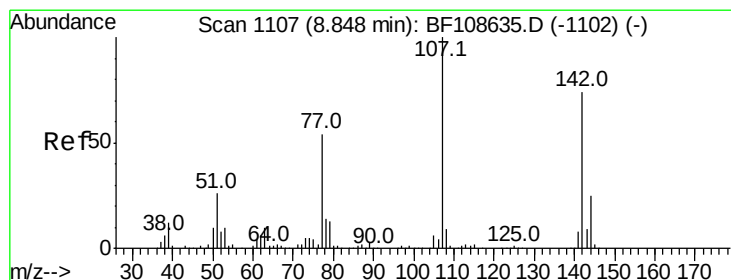
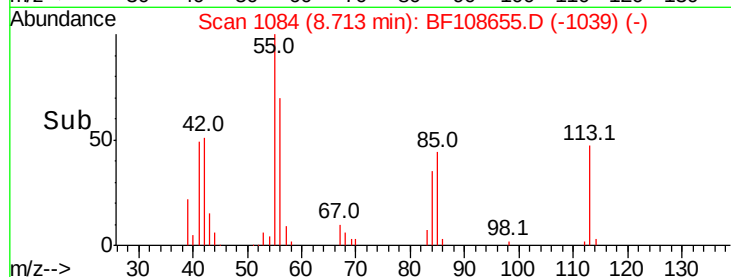
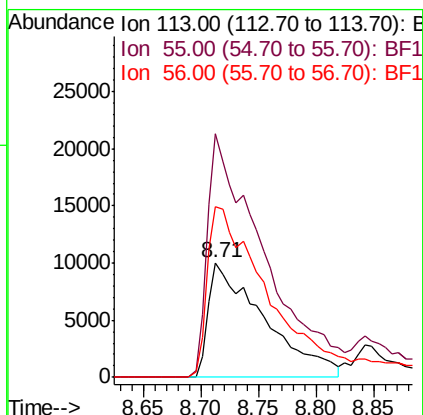
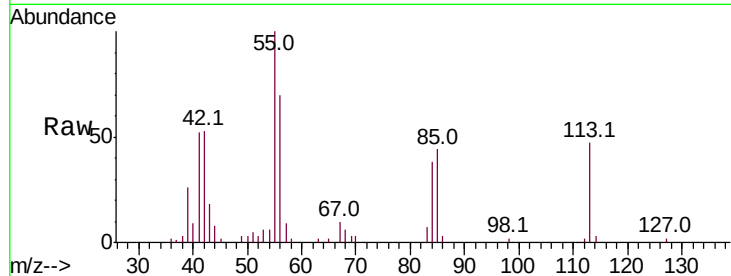
#35
 Caprolactam
 Concen: 26.880 ng
 RT: 8.71 min Scan# 1084
 Delta R.T. -0.04 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampled :
 CG-SOIL-1MS

Tot Ion:113 Resp: 33568
 Ion Ratio Lower Upper
 113 100
 55 211.9 163.3 203.3#
 56 148.4 115.7 155.7

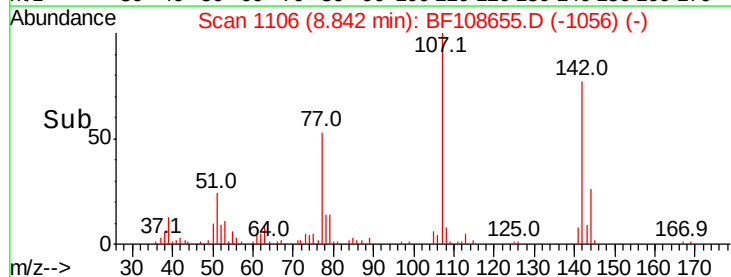
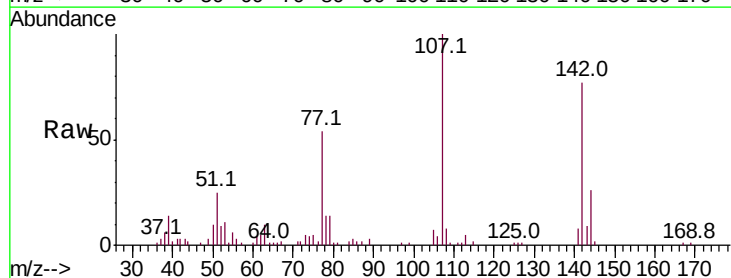
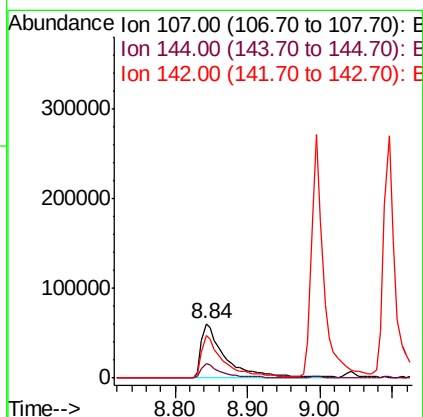
Manual Integrations
 APPROVED

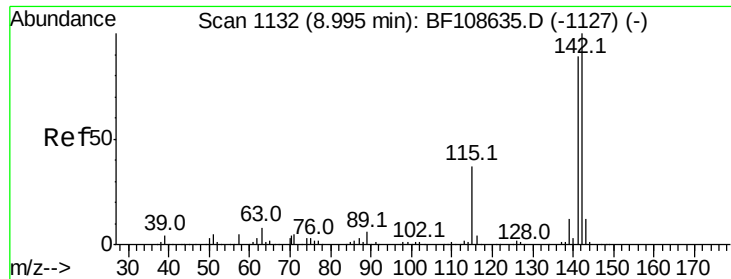
Sohil
 8/31/2018 12:18:27 PM



#36
 4-Chloro-3-methylphenol
 Concen: 28.507 ng
 RT: 8.84 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion:107 Resp: 143389
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.5 30.7
 142 77.1 62.0 93.0





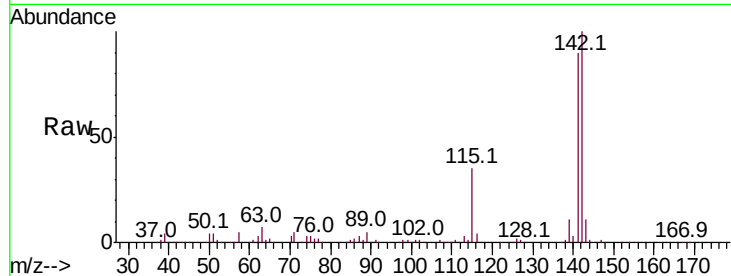
#37
2-Methylnaphthalene
Concen: 33.131 ng
RT: 9.00 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	320693		
141	89.8		70.8	106.2
115	34.9		26.1	39.1

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM

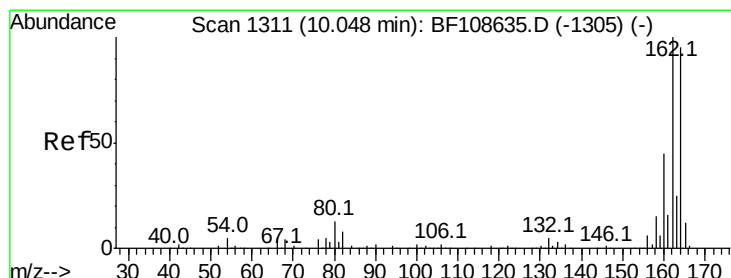
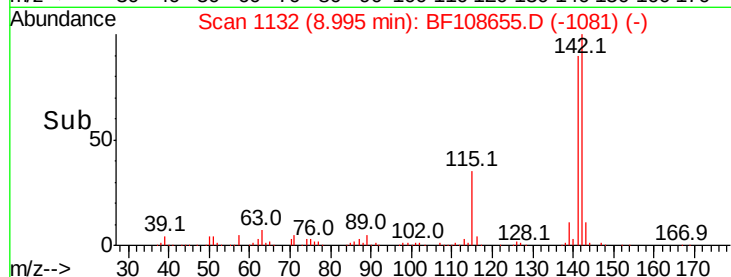
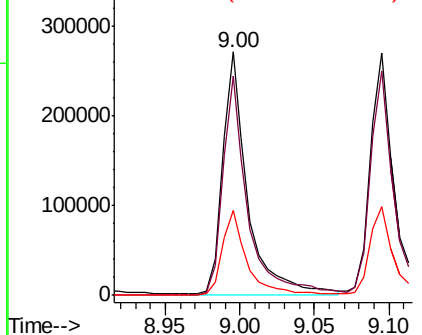


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

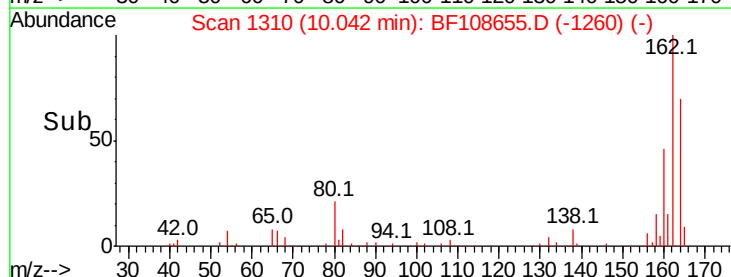
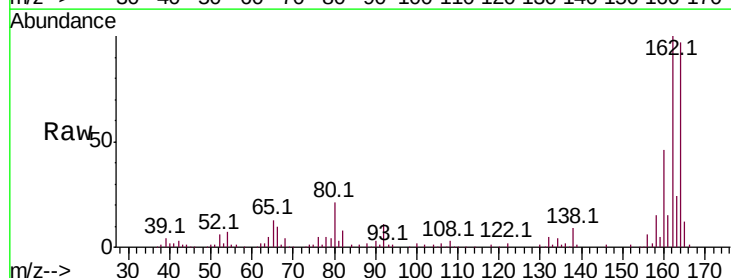
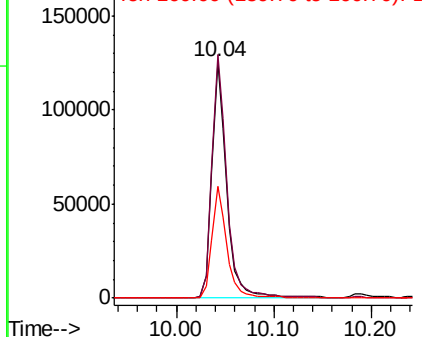
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133255		
162	103.1		86.1	129.1
160	47.3		38.3	57.5

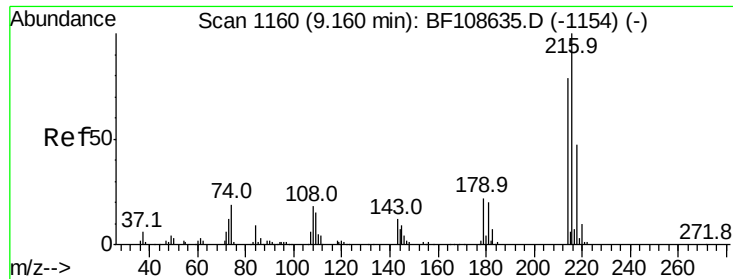
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





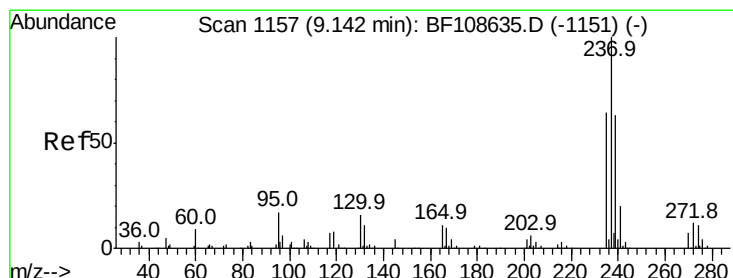
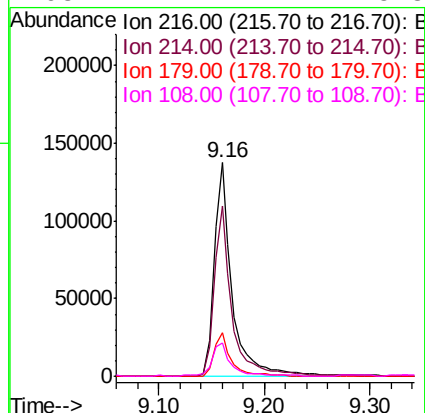
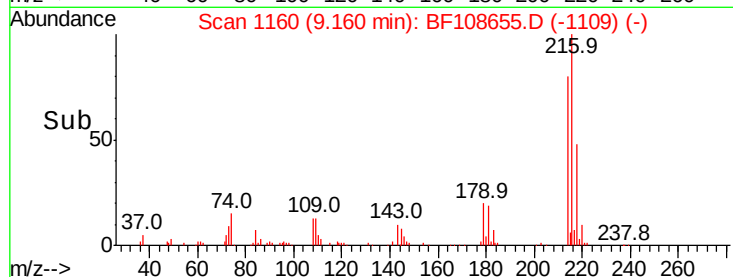
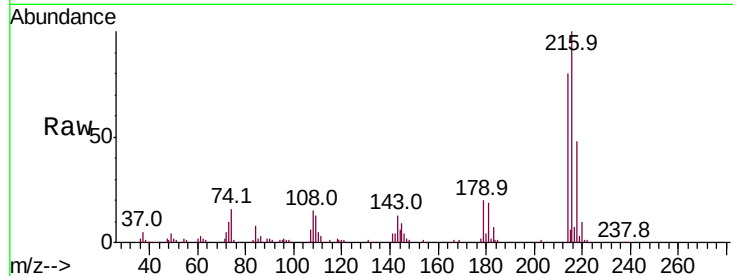
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.568 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.3	63.0	94.4
179	19.8	18.1	27.1
108	17.2	17.2	25.8

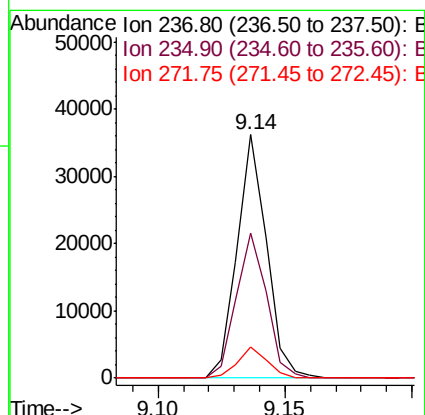
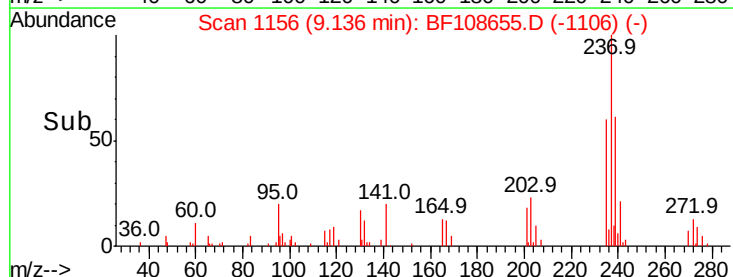
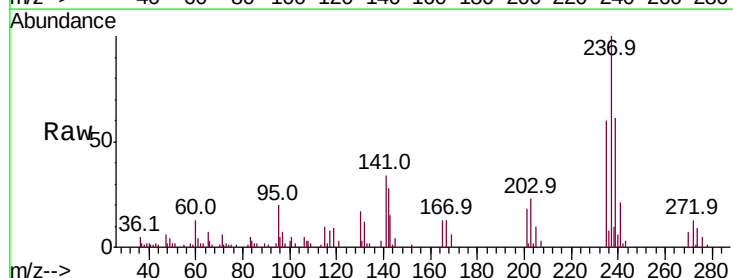
Manual Integrations
 APPROVED

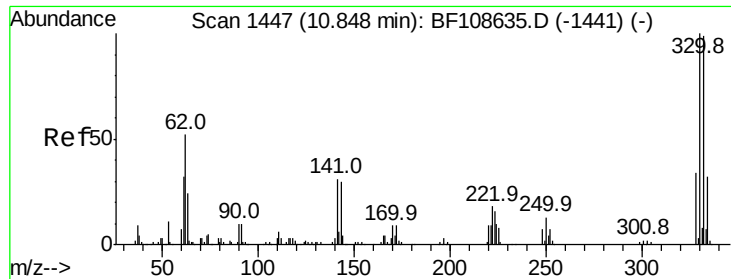
Sohil
 8/31/2018 12:18:27 PM



#40
 Hexachlorocyclopentadiene
 Concen: 20.463 ng
 RT: 9.14 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	59.7	44.8	84.8
272	12.5	0.0	33.3





#41

2,4,6-Tribromophenol

Concen: 68.805 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

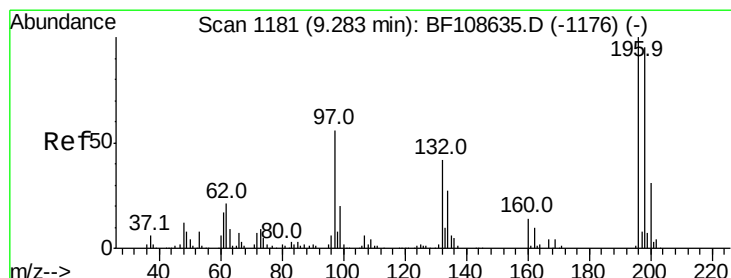
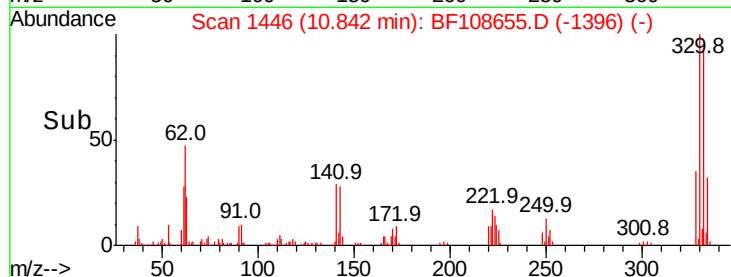
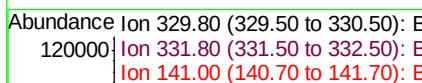
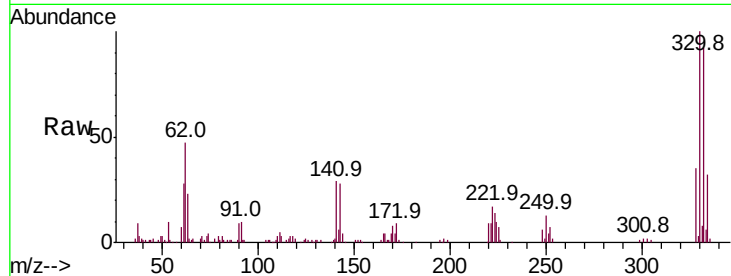
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	330	Resp:	121037
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	31.6	29.9	44.9

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#42

2,4,6-Trichlorophenol

Concen: 31.993 ng

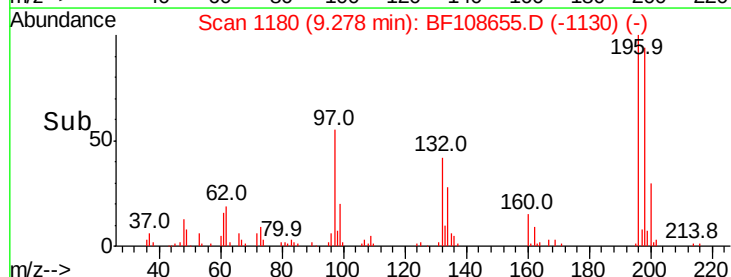
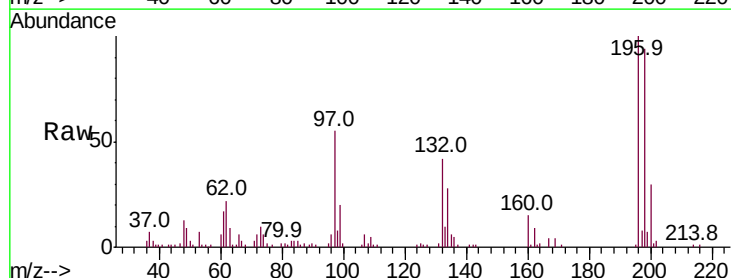
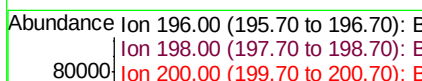
RT: 9.28 min Scan# 1180

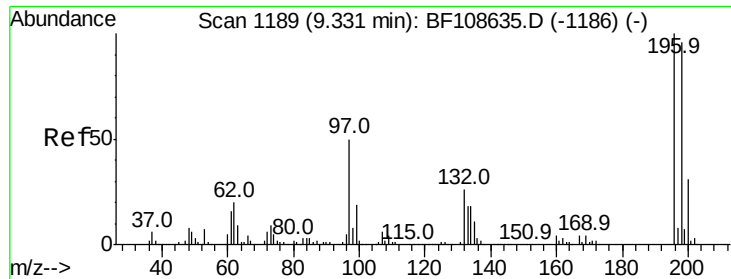
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	196	Resp:	89627
Ion Ratio	Lower	Upper	
196	100		
198	93.9	75.7	113.5
200	29.6	24.5	36.7





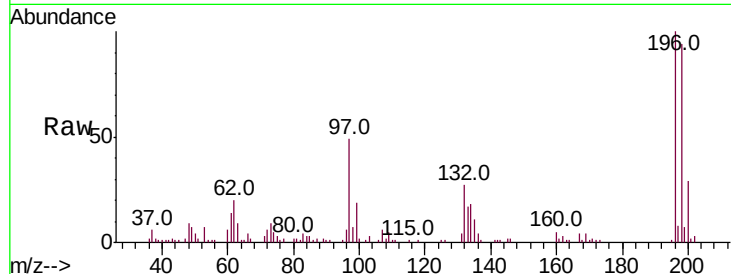
#43
2,4,5-Trichlorophenol
Concen: 35.566 ng
RT: 9.33 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	116189		
198	93.7	74.6	112.0	
97	48.8	42.9	64.3	
132	27.0	26.3	39.5	

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



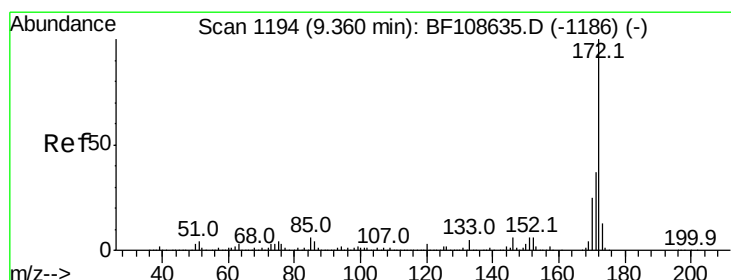
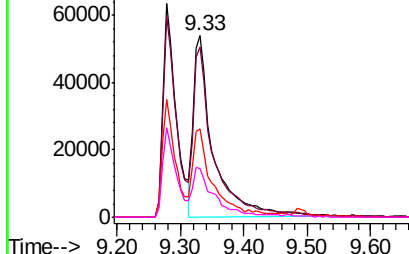
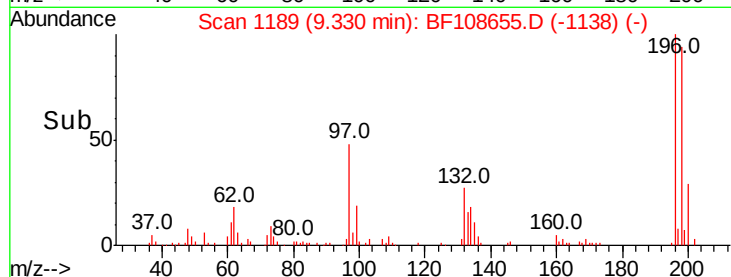
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

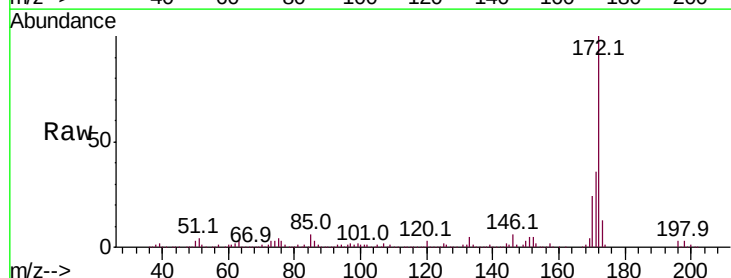
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 56.468 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	559631		
171	36.2	29.7	44.5	
170	24.0	19.6	29.4	

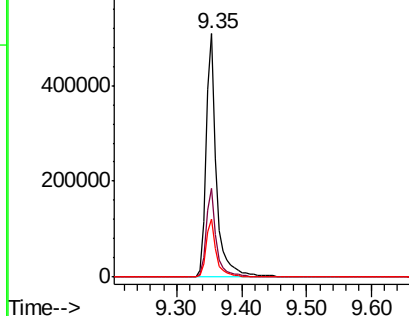
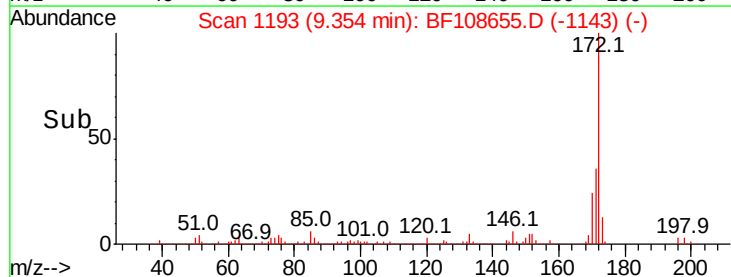


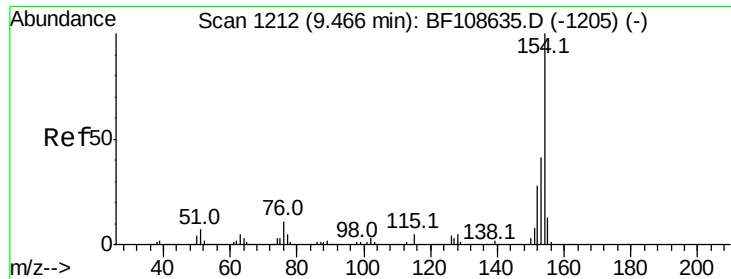
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 33.716 ng

RT: 9.46 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

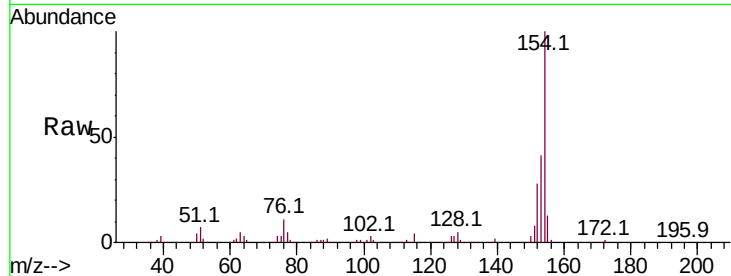
ClientSampleId :

CG-SOIL-1MS

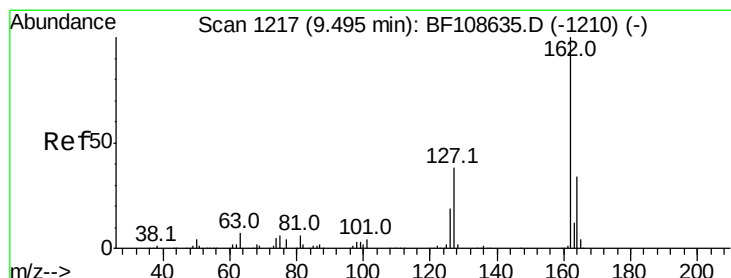
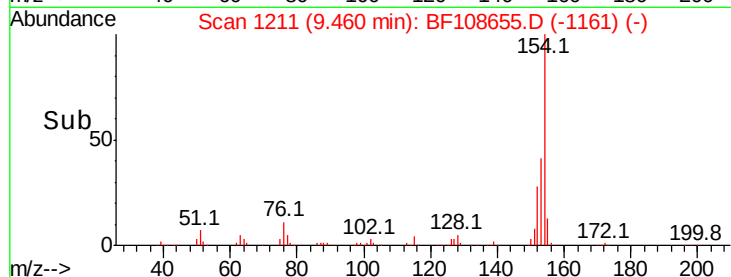
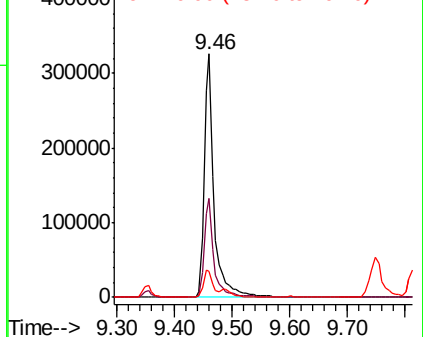
Tot Ion:	154	Resp:	391128
Ion Ratio	Lower	Upper	
154	100		
153	40.8	21.3	61.3
76	10.9	0.0	34.0

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 32.987 ng

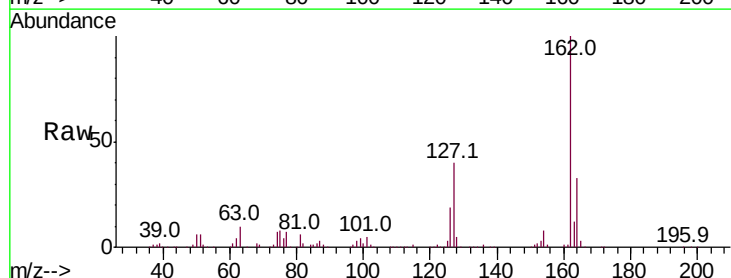
RT: 9.49 min Scan# 1216

Delta R.T. -0.01 min

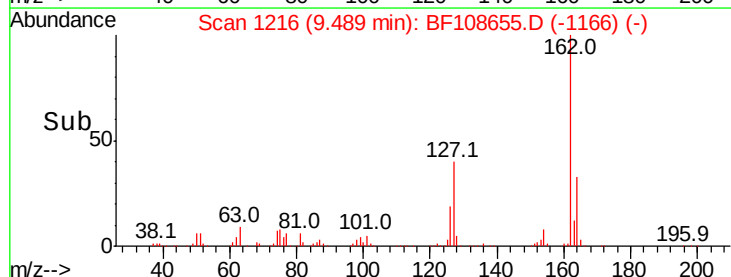
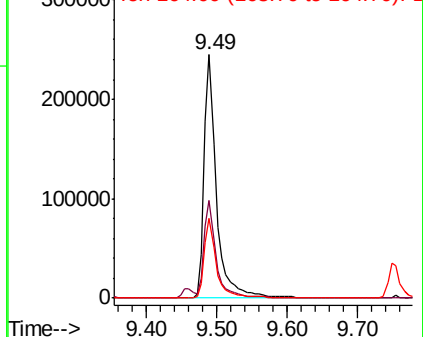
Lab File: BF108655.D

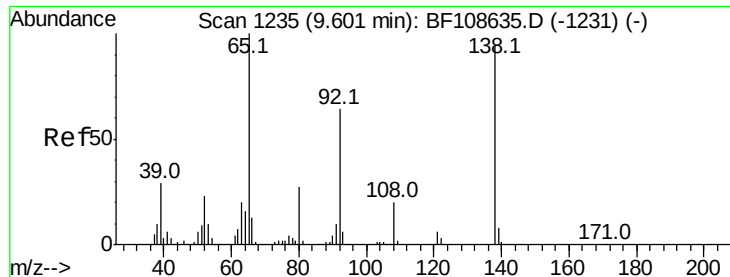
Acq: 30 Aug 2018 22:06

Tgt Ion:	162	Resp:	299579
Ion Ratio	Lower	Upper	
162	100		
127	40.0	33.9	50.9
164	32.7	26.5	39.7



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





#47

2-Nitroaniline

Concen: 31.306 ng

RT: 9.60 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

ClientSampleId :

CG-SOIL-1MS

Tot Ion: 65 Resp: 95092

Ion Ratio Lower Upper

65 100

92 61.4 55.8 83.6

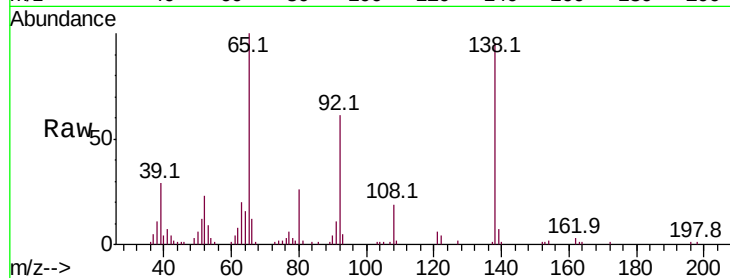
138 95.5 91.2 136.8

Manual Integrations

APPROVED

Sohil

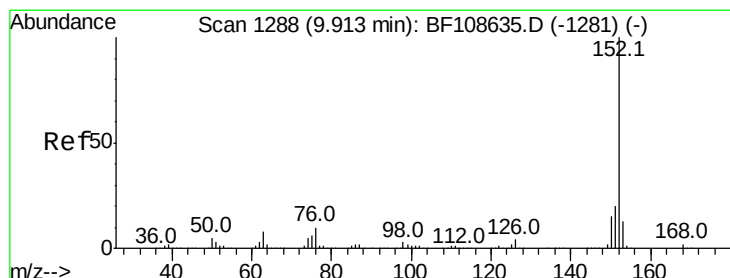
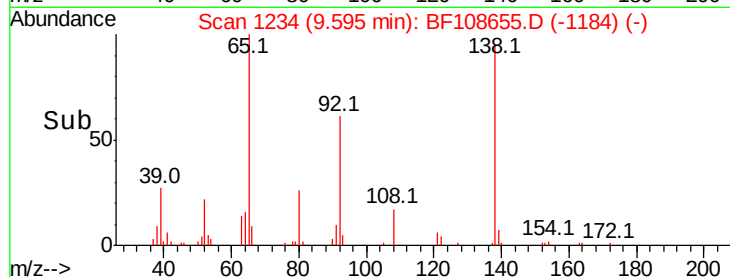
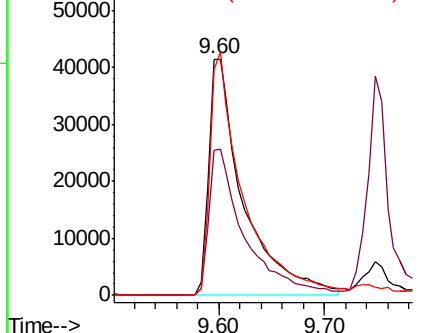
8/31/2018 12:18:27 PM



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 35.119 ng

RT: 9.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

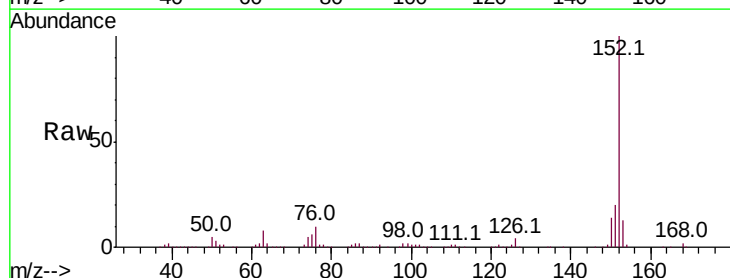
Tgt Ion: 152 Resp: 466945

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

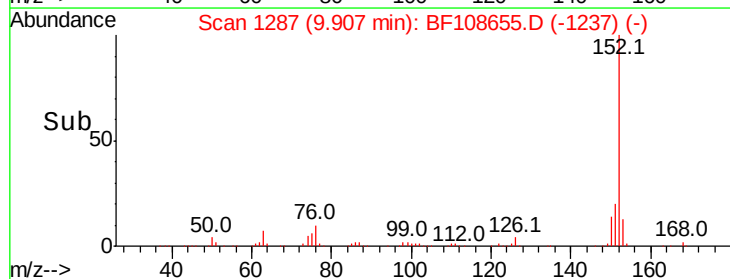
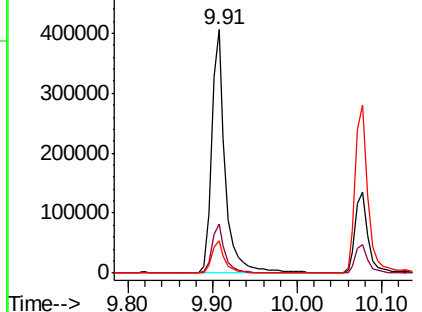
153 13.1 10.7 16.1

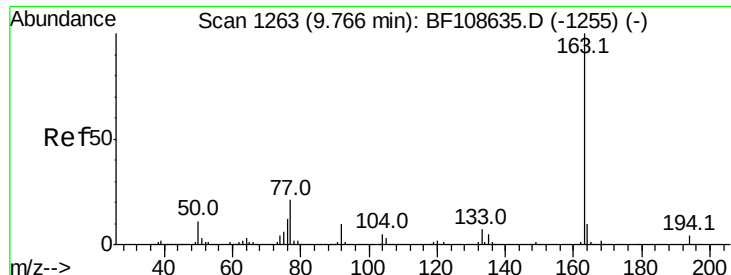


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





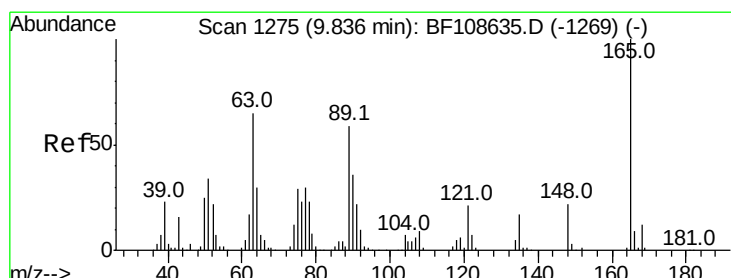
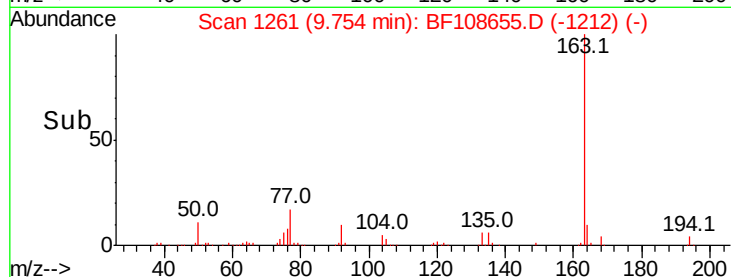
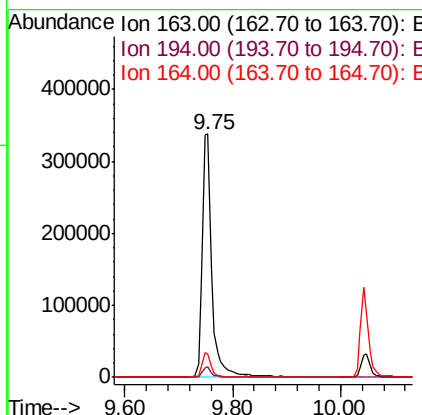
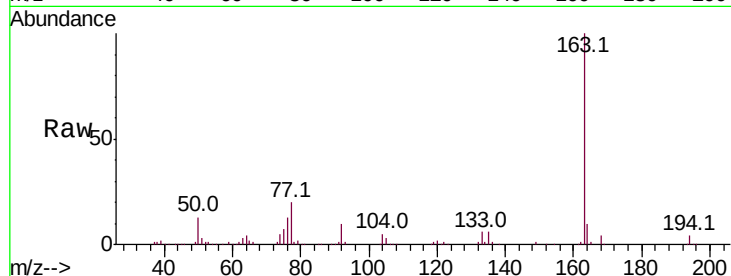
#49
Dimethylphthalate
Concen: 40.109 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	420877		
194	4.4	2.7	4.1#	
164	9.8	8.2	12.2	

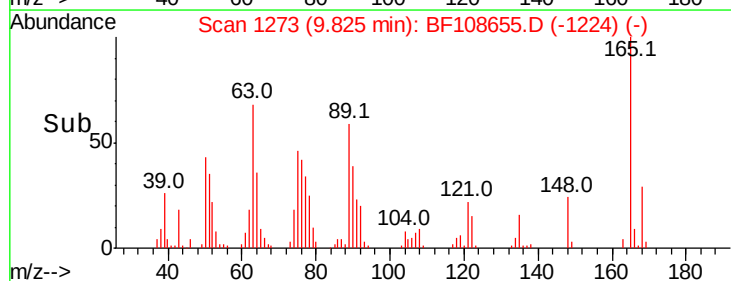
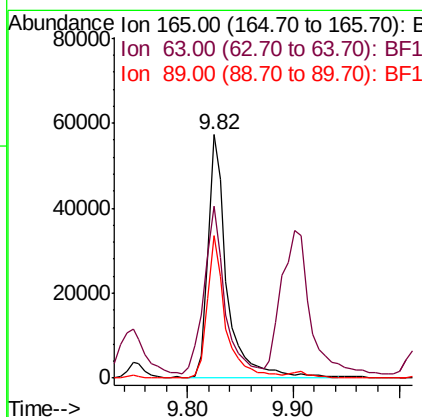
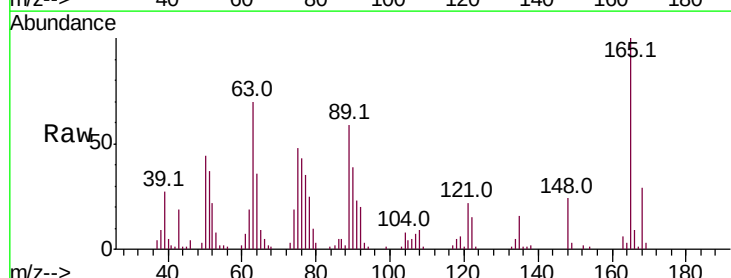
Manual Integrations
APPROVED

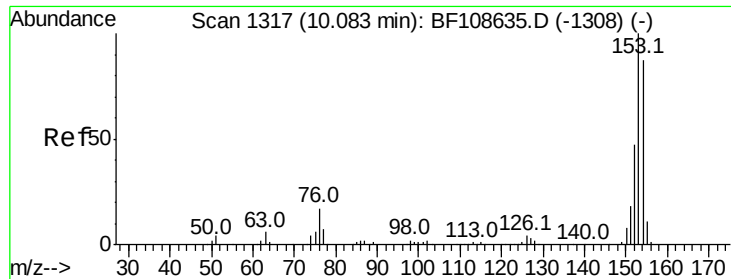
Sohil
8/31/2018 12:18:27 PM



#50
2,6-Dinitrotoluene
Concen: 31.333 ng
RT: 9.82 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	72473		
63	70.4	44.7	67.1#	
89	58.5	44.0	66.0	





#51

Acenaphthene

Concen: 33.889 ng

RT: 10.08 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

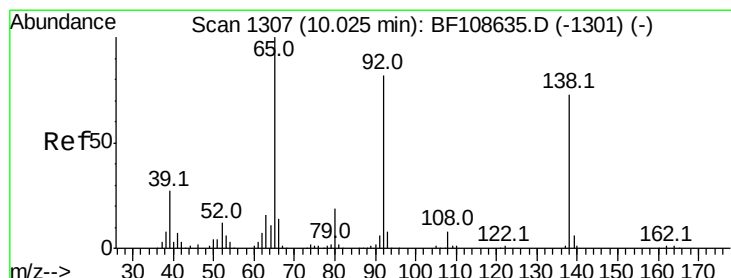
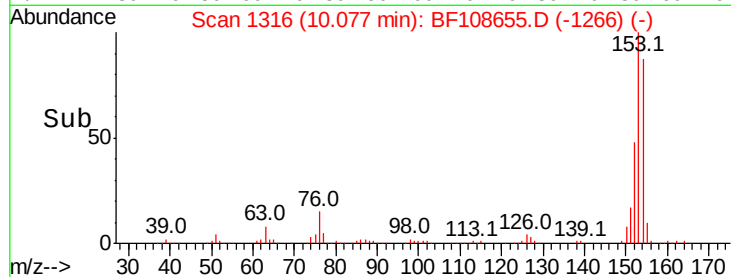
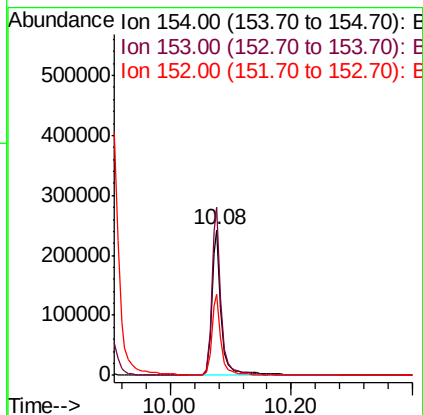
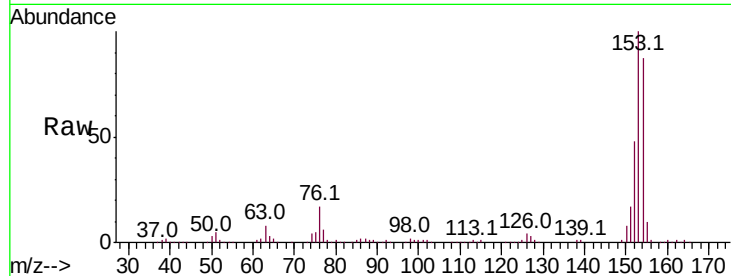
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	154	Resp:	269411
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.2	136.8
152	55.8	43.8	65.8

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#52

3-Nitroaniline

Concen: 25.287 ng

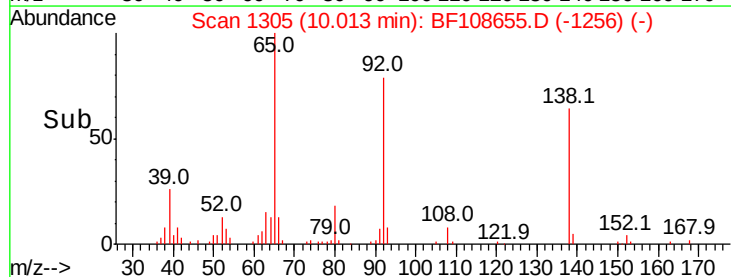
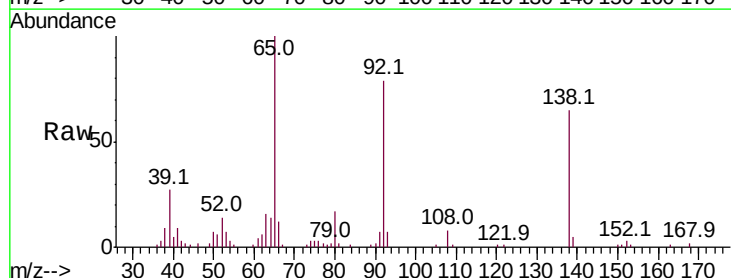
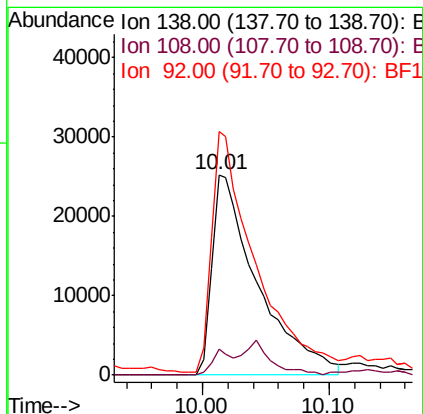
RT: 10.01 min Scan# 1305

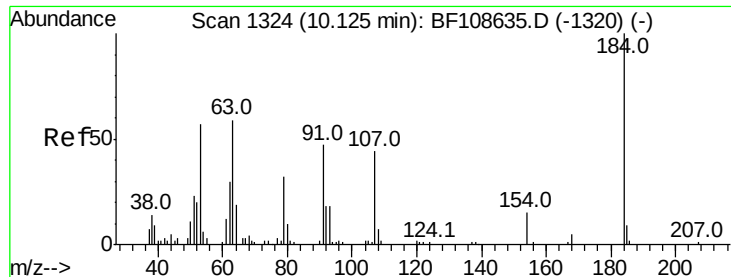
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	138	Resp:	63271
Ion Ratio	Lower	Upper	
138	100		
108	13.1	9.4	14.0
92	121.6	89.4	134.2





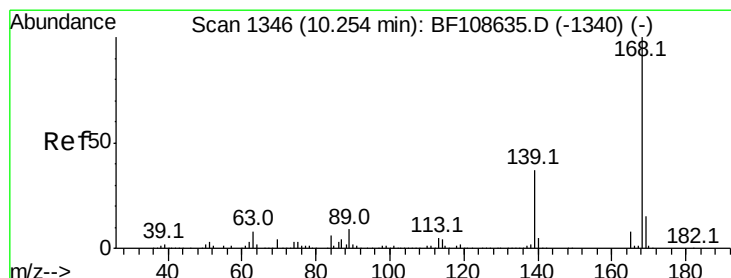
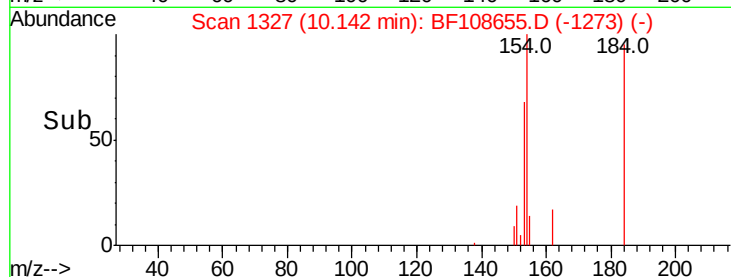
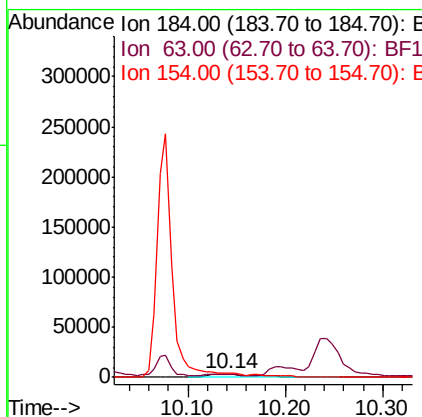
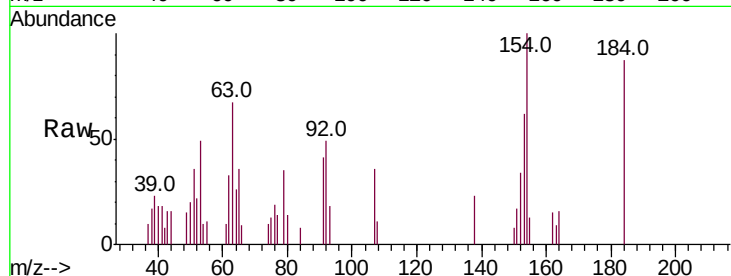
#53
 2,4-Dinitrophenol
 Concen: 15.181 ng
 RT: 10.14 min Scan# 1327
 Delta R.T. 0.02 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	77.2	54.2	81.2
154	114.5	184.0	276.0#

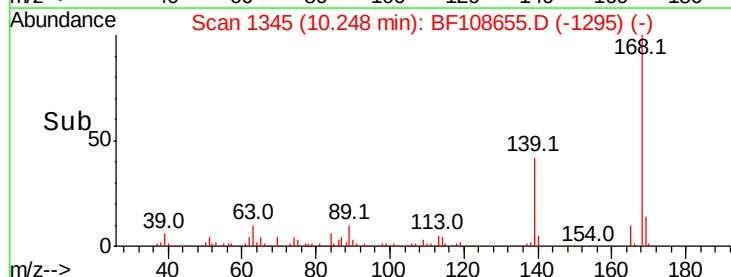
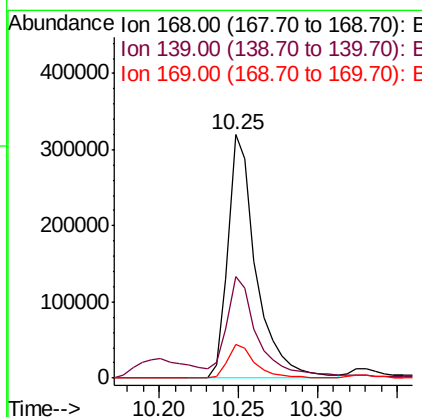
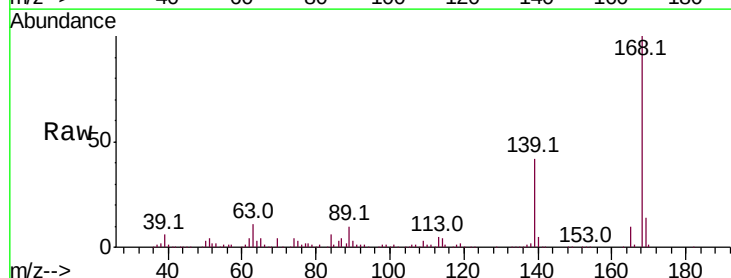
Manual Integrations
 APPROVED

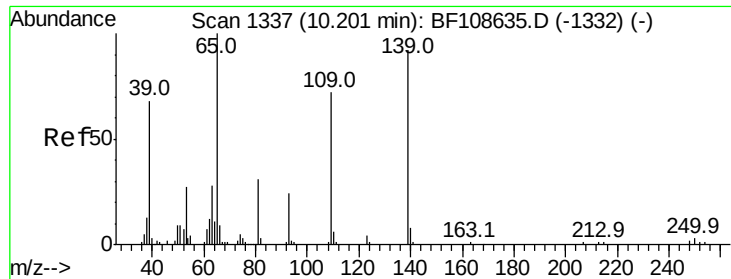
Sohil
 8/31/2018 12:18:27 PM



#54
 Dibenzofuran
 Concen: 31.662 ng
 RT: 10.25 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.8	30.1	45.1
169	13.9	10.9	16.3





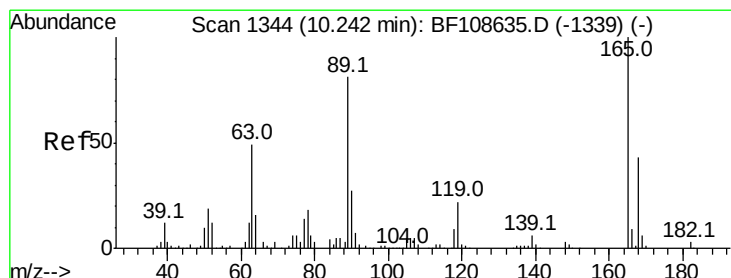
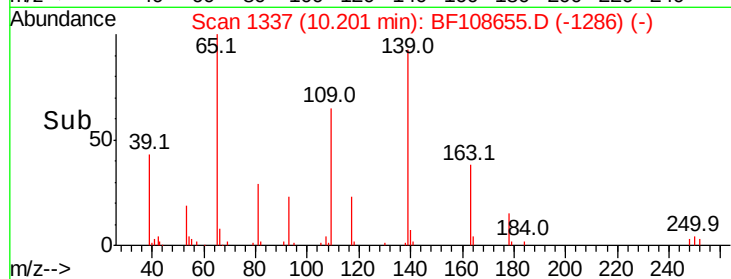
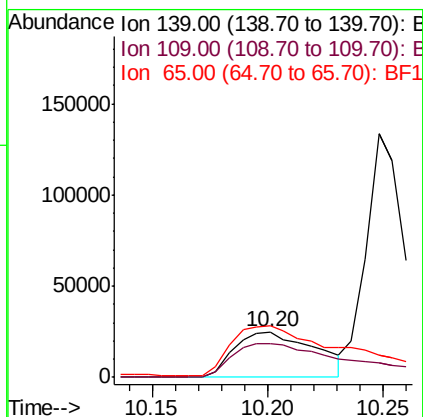
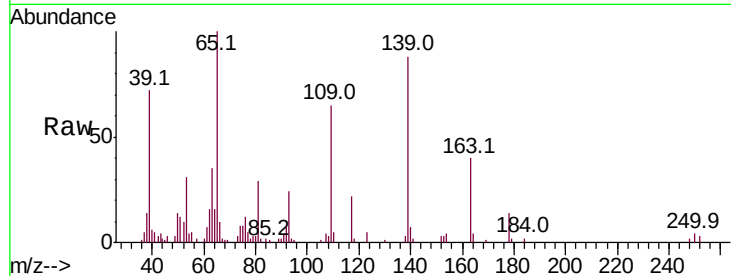
#55
4-Nitrophenol
Concen: 40.187 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	74.0	48.4	88.4
65	113.3	72.6	112.6#

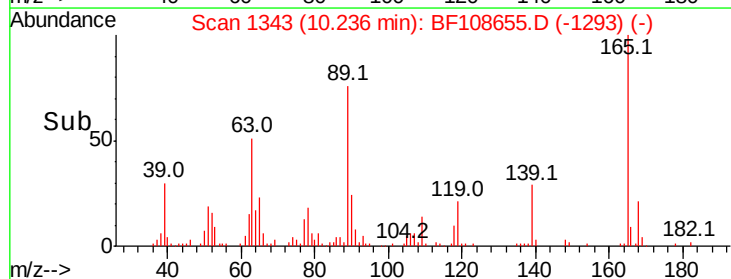
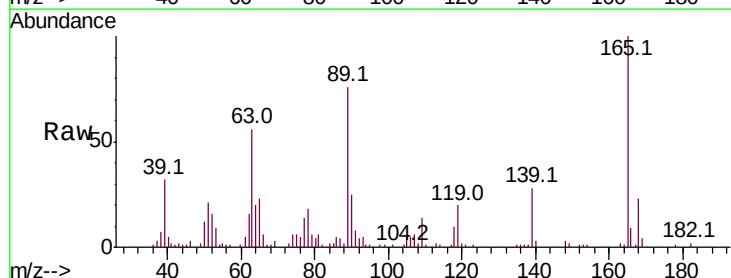
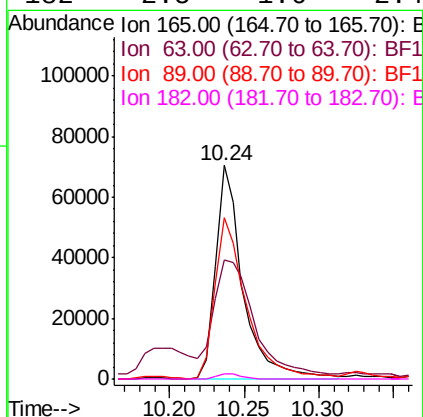
Manual Integrations
APPROVED

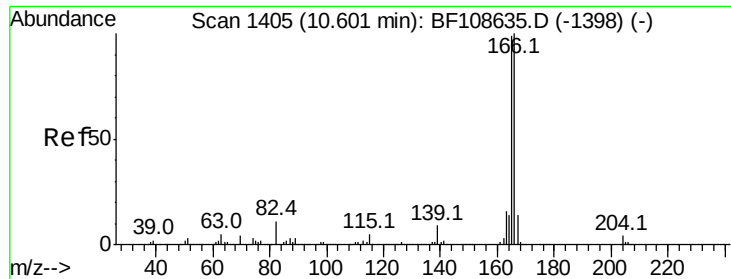
Sohil
8/31/2018 12:18:27 PM



#56
2,4-Dinitrotoluene
Concen: 29.549 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.6	36.4	54.6#
89	75.6	57.8	86.6
182	2.5	1.6	2.4#





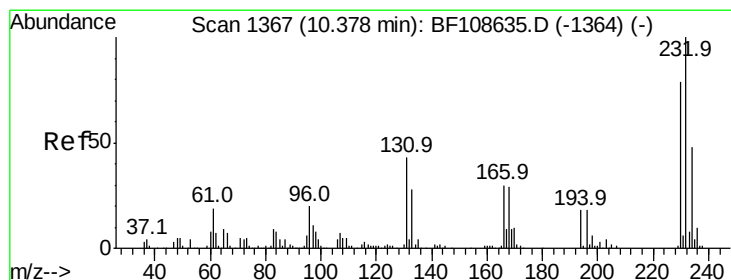
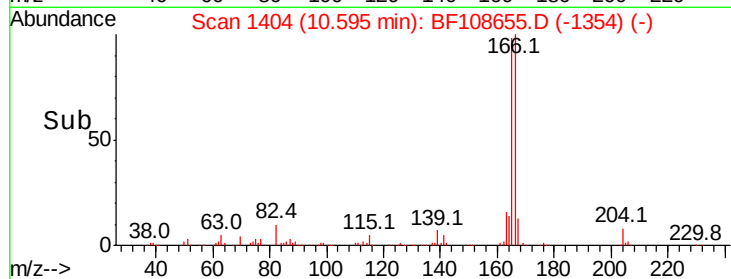
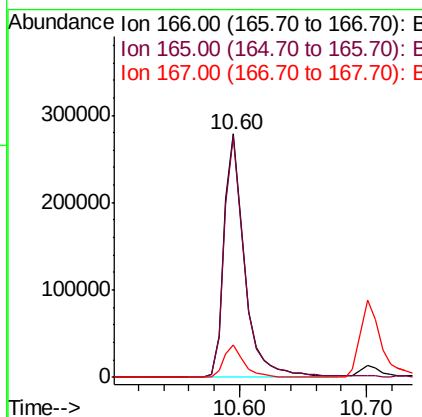
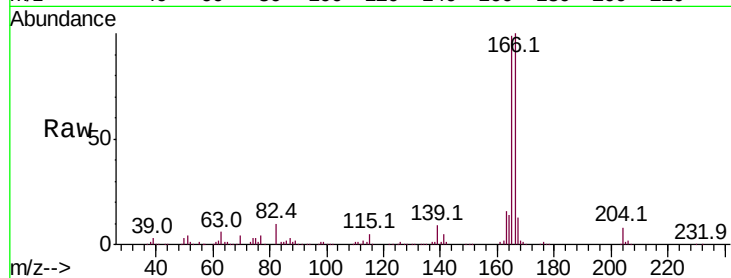
#57
 Fluorene
 Concen: 32.673 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	13.4	10.6	16.0

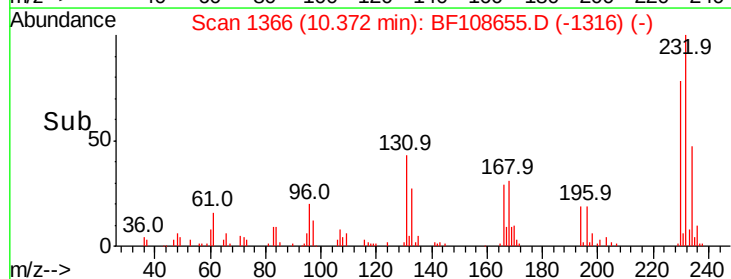
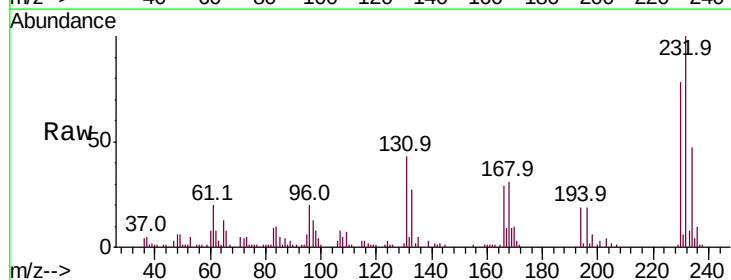
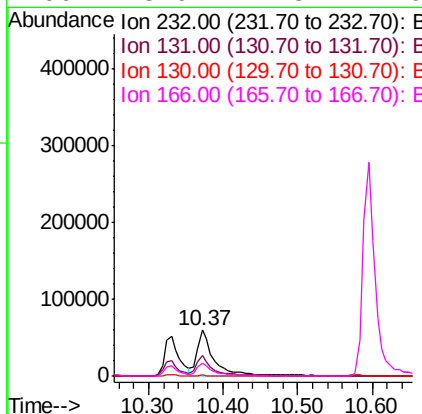
Manual Integrations
 APPROVED

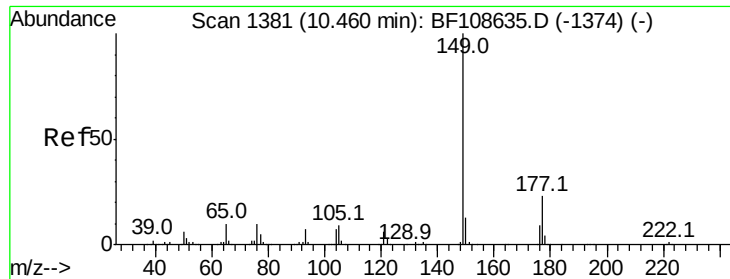
Sohil
 8/31/2018 12:18:27 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 32.665 ng
 RT: 10.37 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
232	100		
131	39.3	43.8	65.8#
130	1.7	2.1	3.1#
166	28.9	27.8	41.6





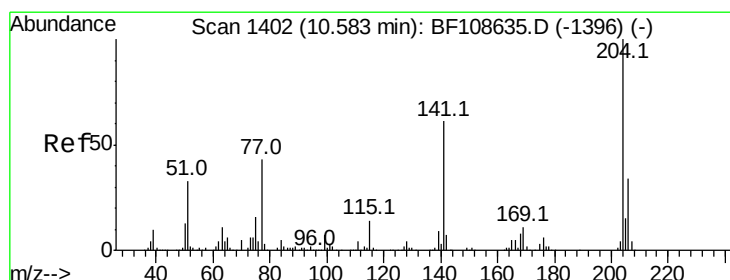
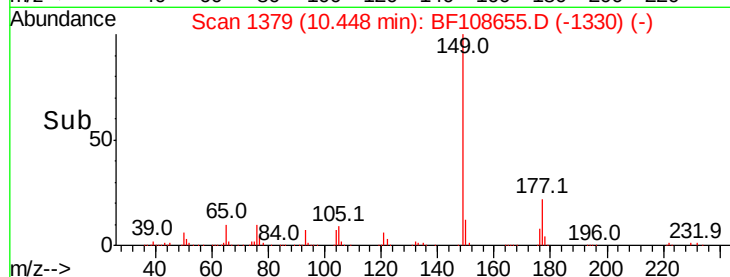
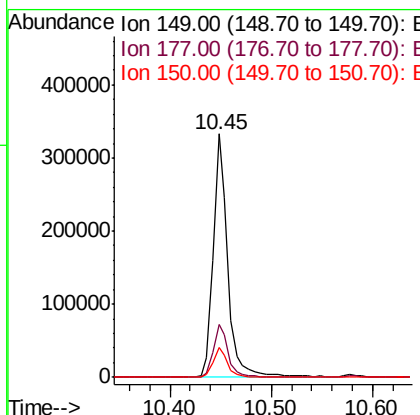
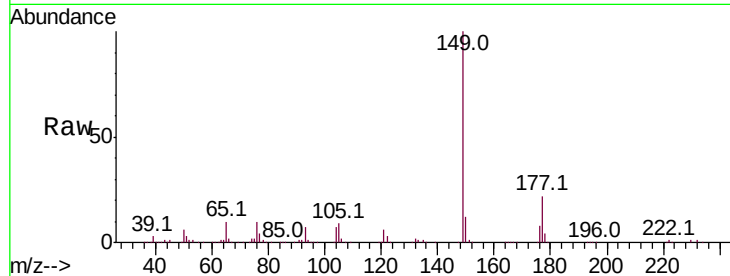
#59
Diethylphthalate
Concen: 31.528 ng
RT: 10.45 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampled :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	333313		
177	21.7	16.1	24.1	
150	12.1	10.1	15.1	

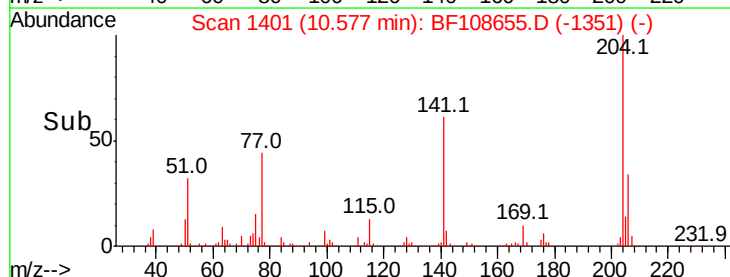
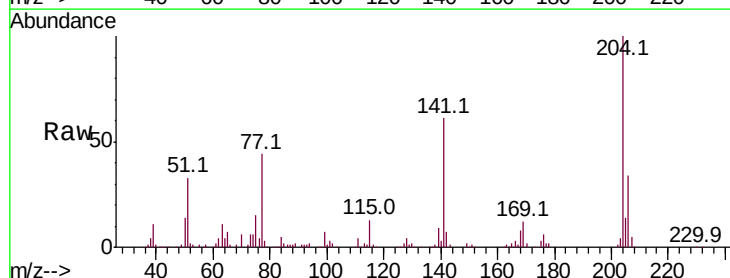
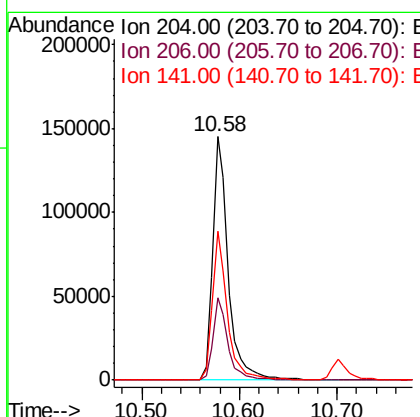
Manual Integrations
APPROVED

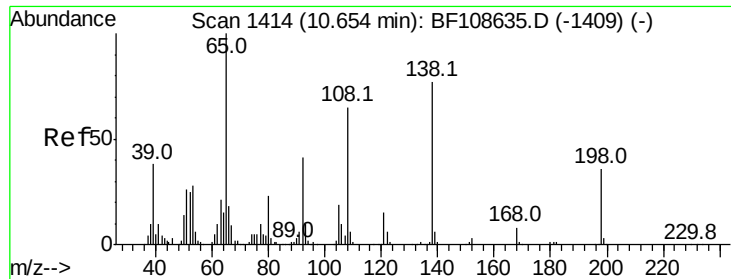
Sohil
8/31/2018 12:18:27 PM



#60
4-Chlorophenyl-phenylether
Concen: 29.158 ng
RT: 10.58 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	159508		
206	33.6	26.5	39.7	
141	61.4	54.6	81.8	





#61

4-Nitroaniline

Concen: 24.017 ng

RT: 10.64 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

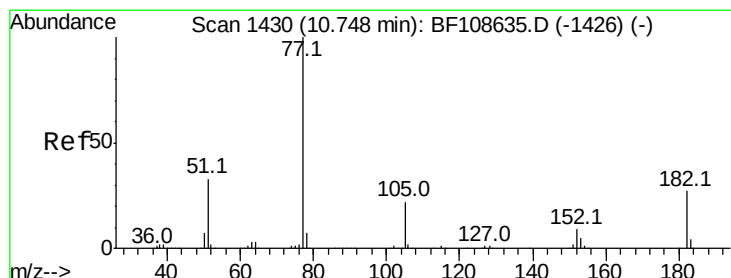
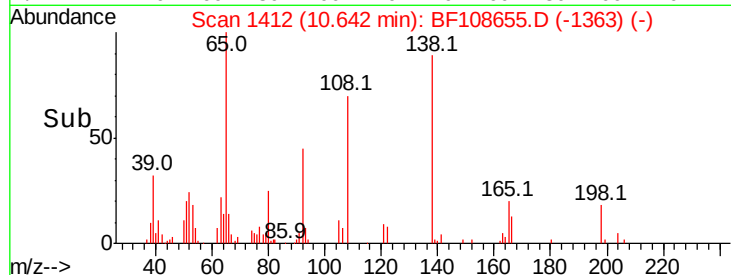
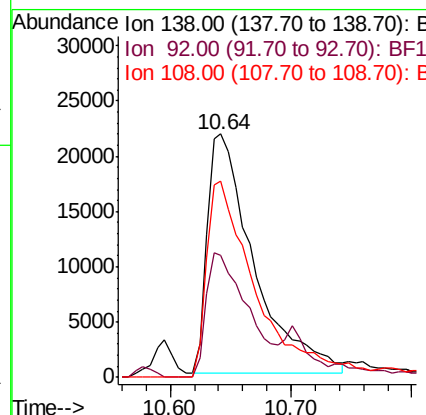
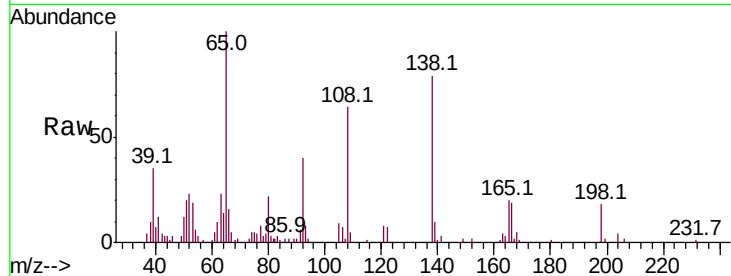
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	138	Resp:	58152
Ion Ratio	Lower	Upper	
138	100		
92	50.2	30.2	70.2
108	80.5	52.5	92.5

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#62

Azobenzene

Concen: 29.575 ng

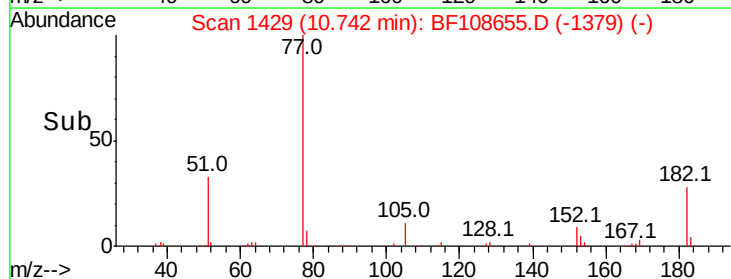
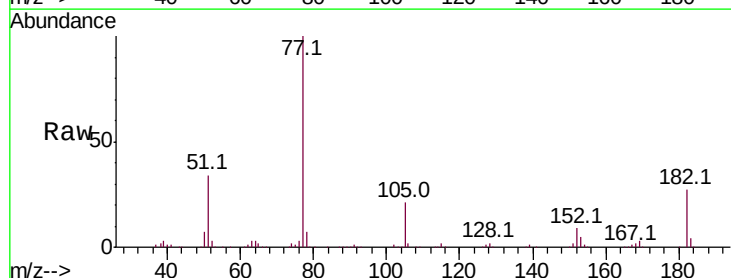
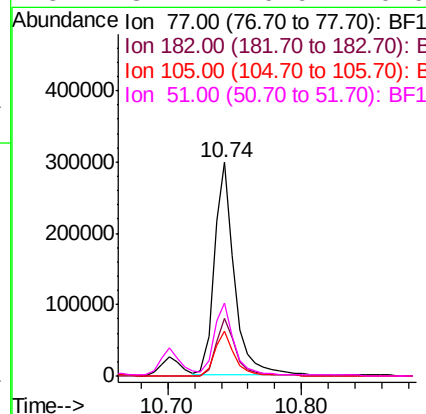
RT: 10.74 min Scan# 1429

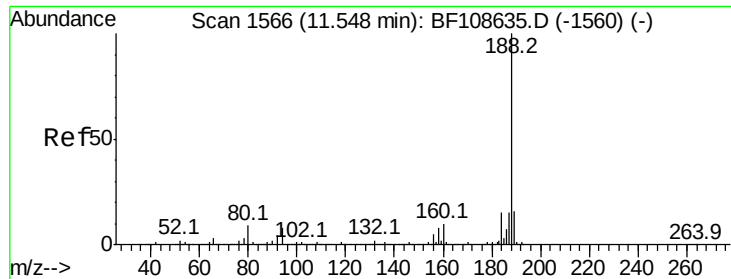
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	77	Resp:	310775
Ion Ratio	Lower	Upper	
77	100		
182	27.0	1.7	41.7
105	20.9	3.0	43.0
51	34.4	9.9	49.9





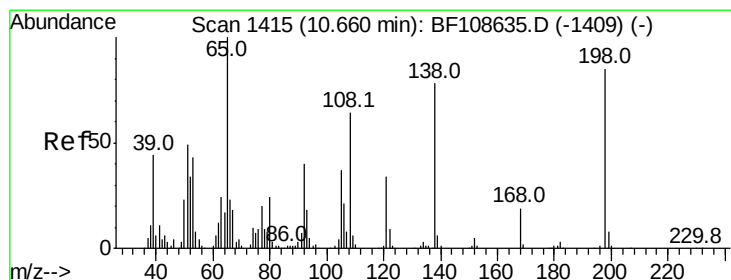
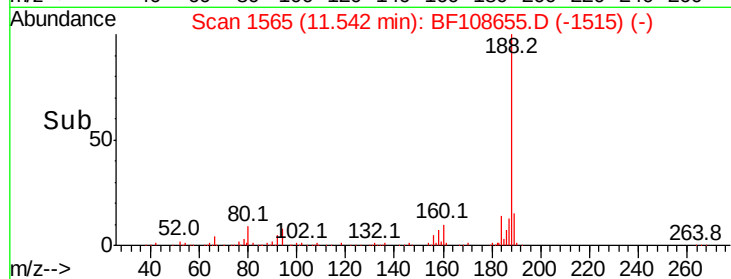
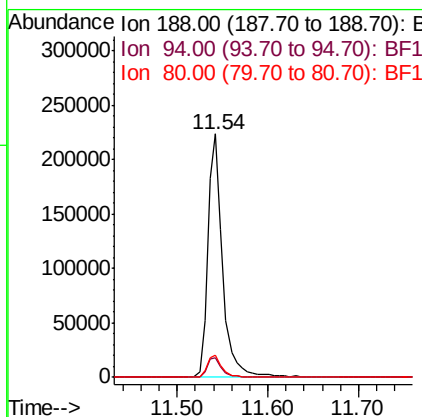
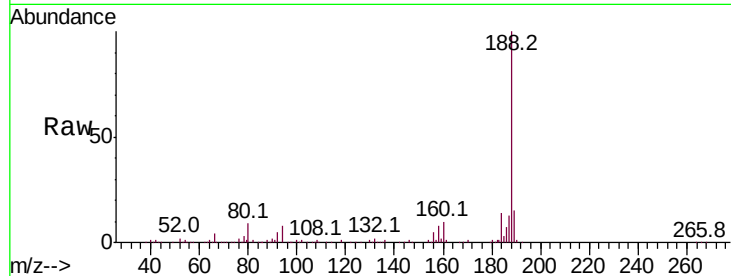
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.9	9.2	13.8#

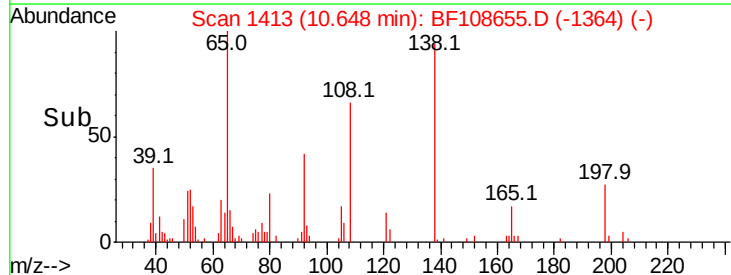
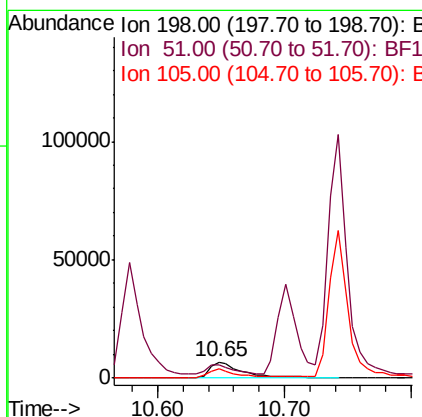
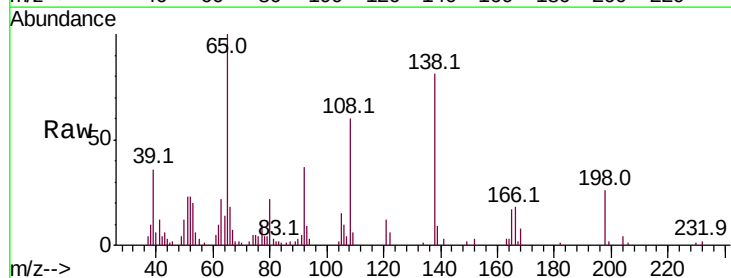
Manual Integrations
APPROVED

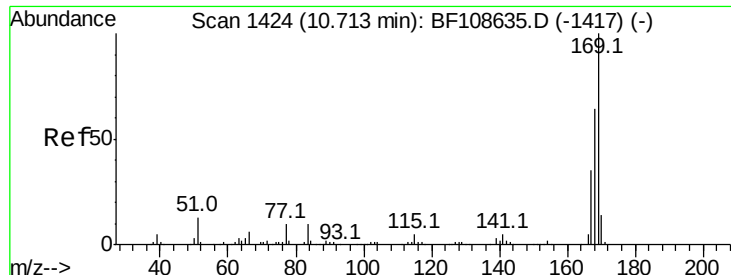
Sohil
8/31/2018 12:18:27 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 10.766 ng
RT: 10.65 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	86.8	37.7	77.7#
105	56.6	36.3	76.3





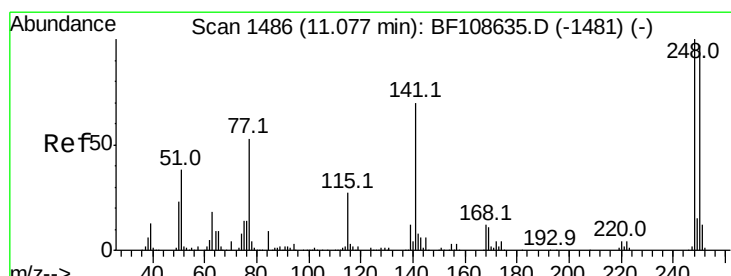
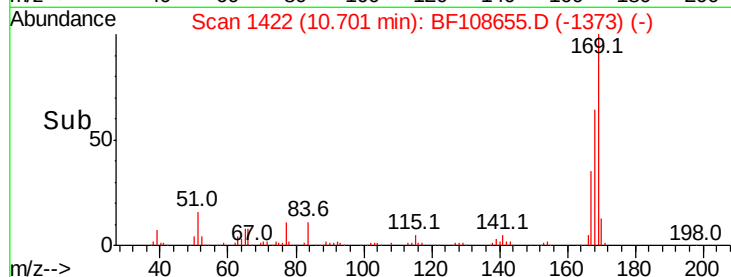
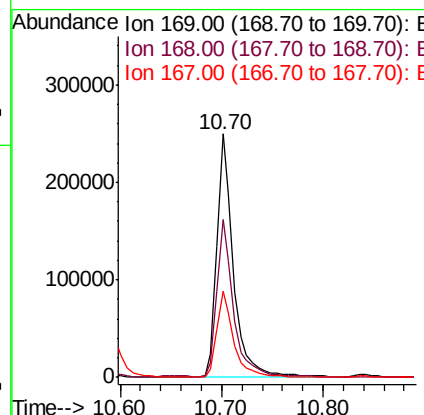
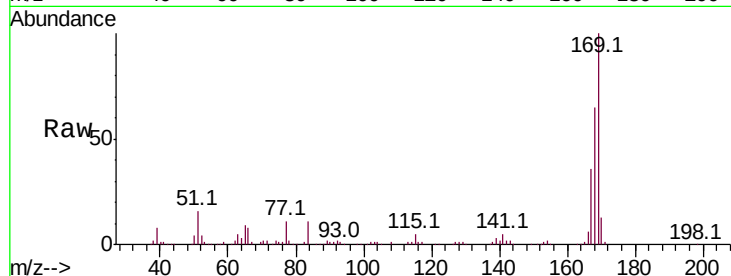
#65
n-Nitrosodiphenylamine
Concen: 33.524 ng
RT: 10.70 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	284624		
168	64.9	54.4	81.6	
167	35.6	29.8	44.6	

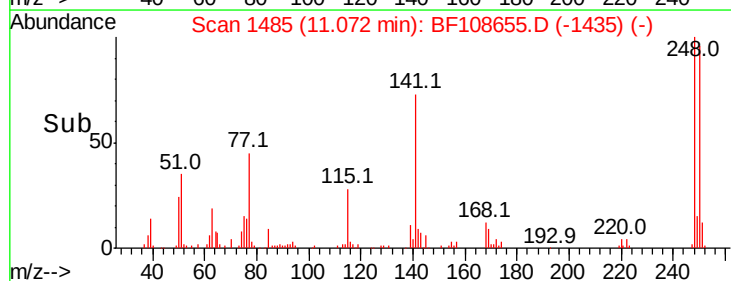
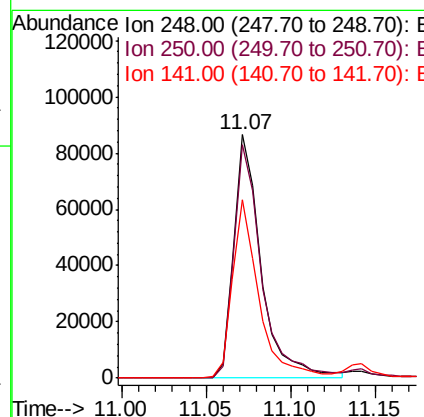
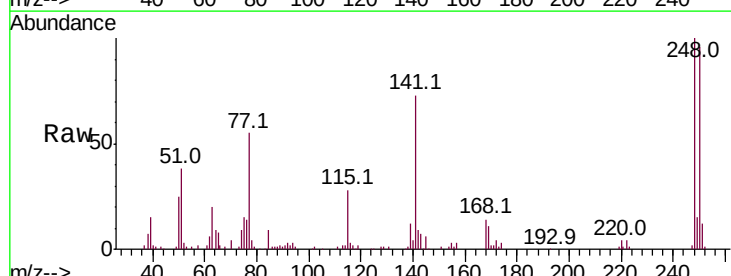
Manual Integrations
APPROVED

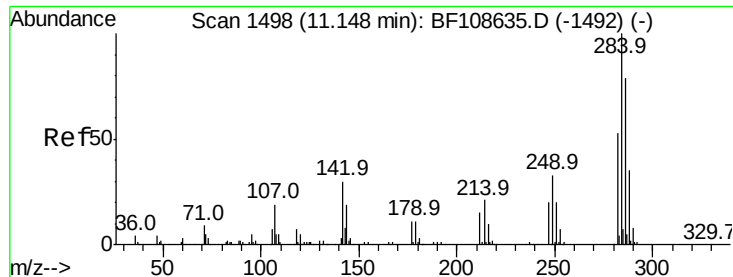
Sohil
8/31/2018 12:18:27 PM



#66
4-Bromophenyl-phenylether
Concen: 31.090 ng
RT: 11.07 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	97643		
250	96.0	76.9	115.3	
141	73.2	74.4	111.6	





#67

Hexachlorobenzene

Concen: 31.053 ng

RT: 11.14 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

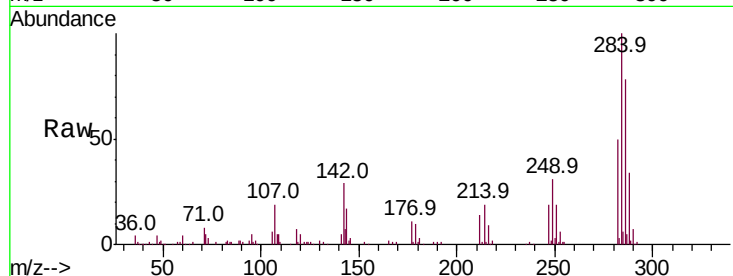
ClientSampleId :

CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	29.4	34.6	52.0#	
249	30.9	24.8	37.2	

Manual Integrations
APPROVED

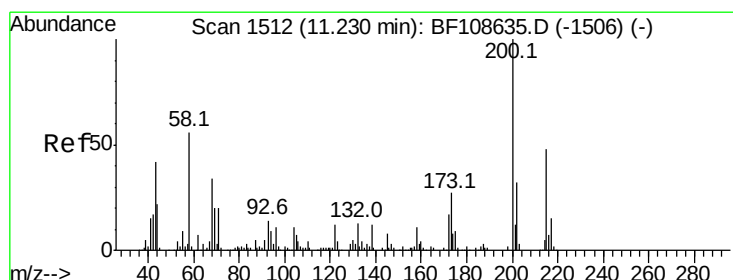
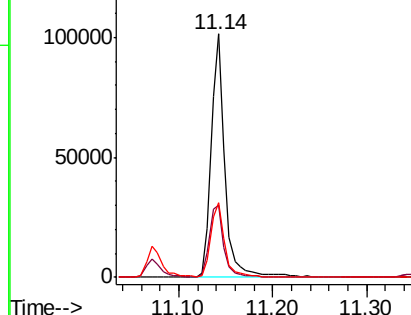
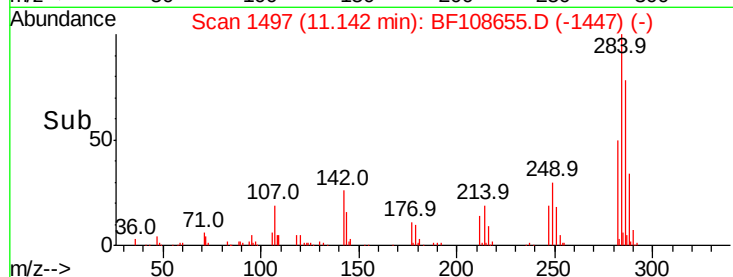
Sohil
8/31/2018 12:18:27 PM



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 35.144 ng

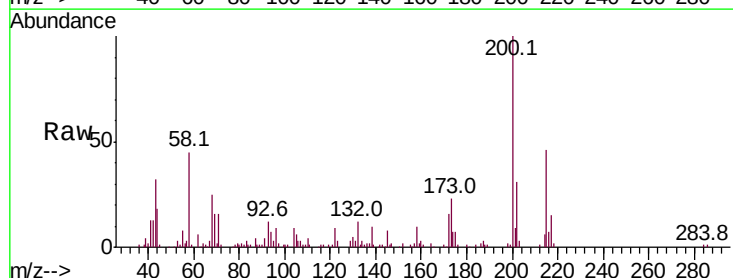
RT: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

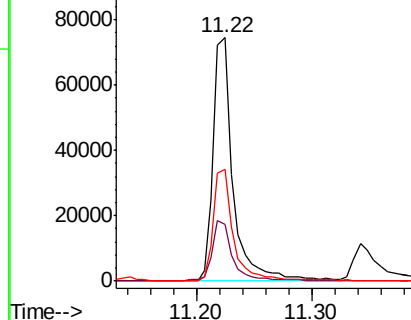
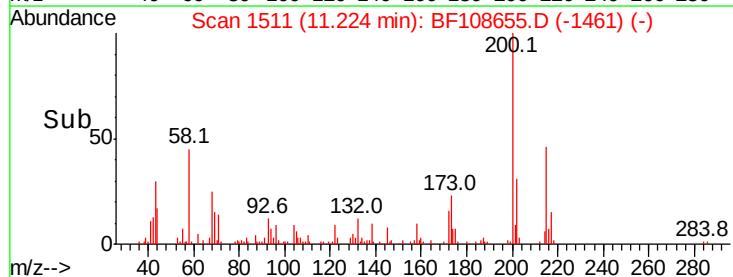
Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	23.2	8.6	48.6	
215	46.1	25.1	65.1	

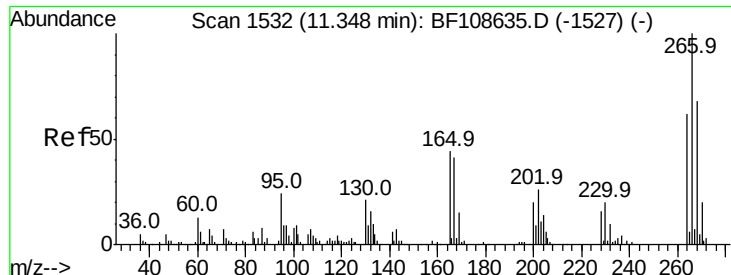


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





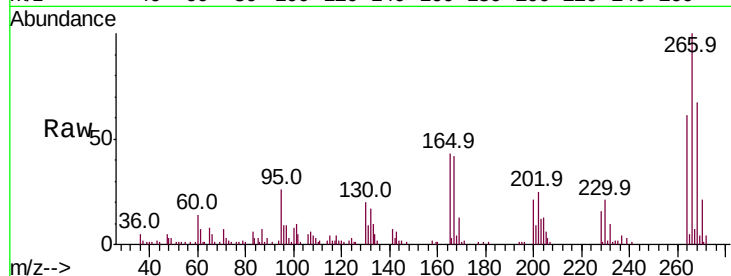
#69
 Pentachlorophenol
 Concen: 53.838 ng
 RT: 11.34 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.1	76.7
264	60.7	49.5	74.3

Manual Integrations
 APPROVED

Sohil
 8/31/2018 12:18:27 PM

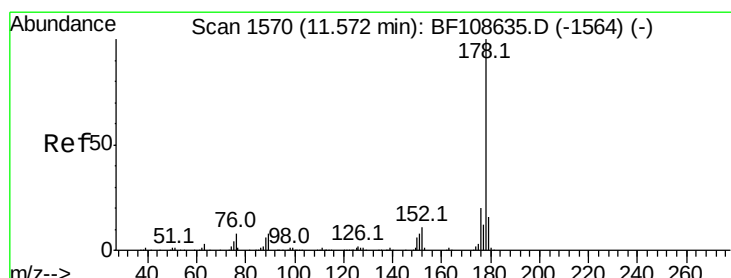
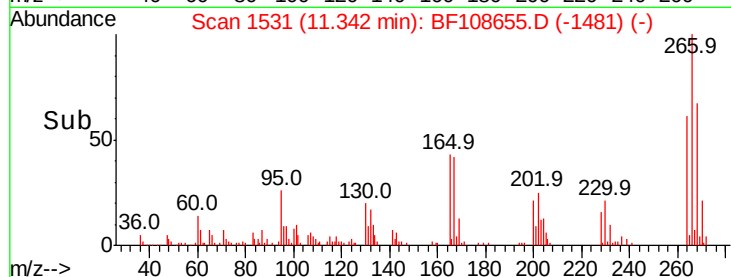
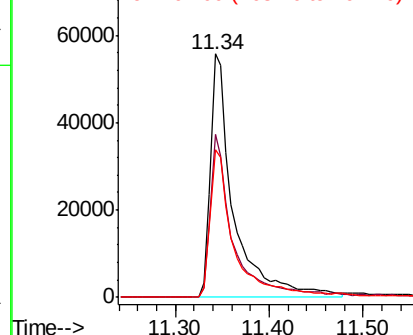


Abundance

Ion 265.70 (265.40 to 266.40): E

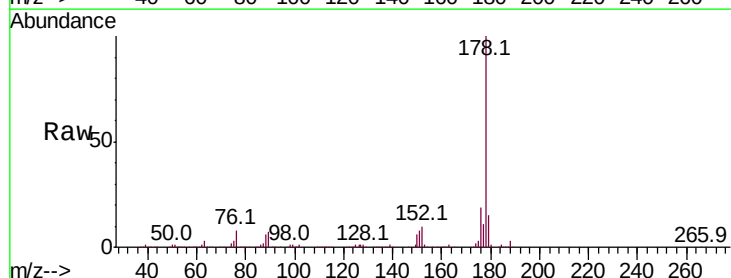
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 34.409 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6

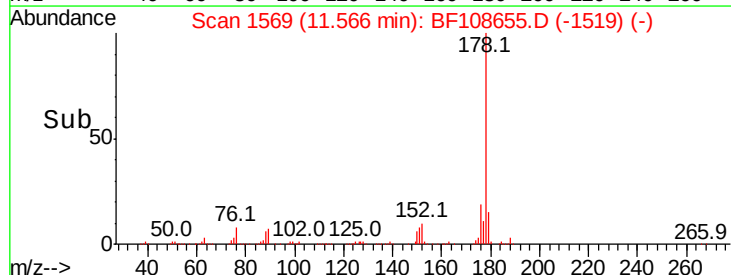
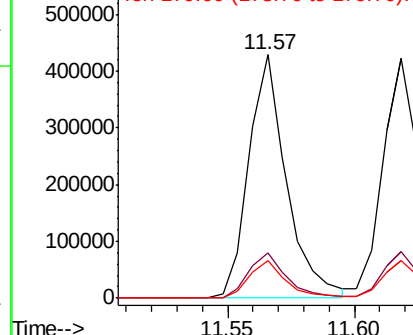


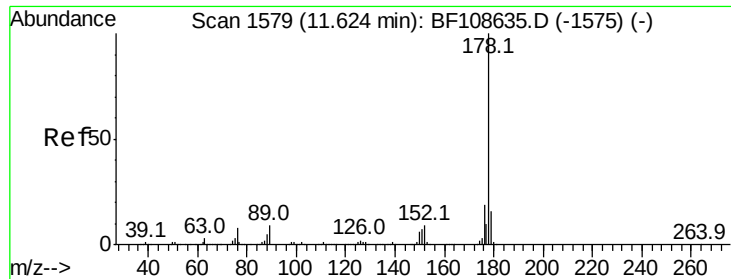
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





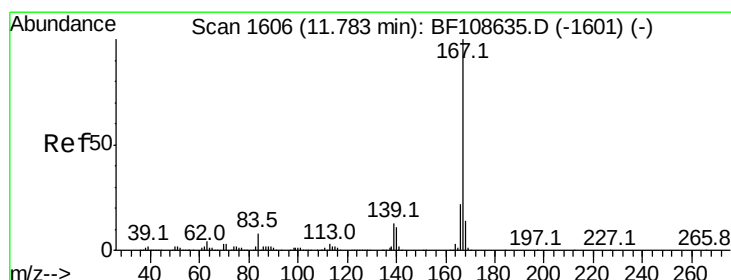
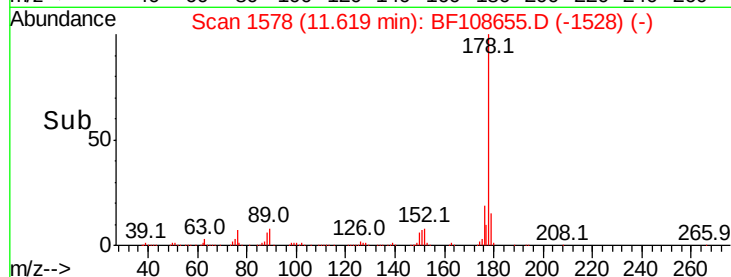
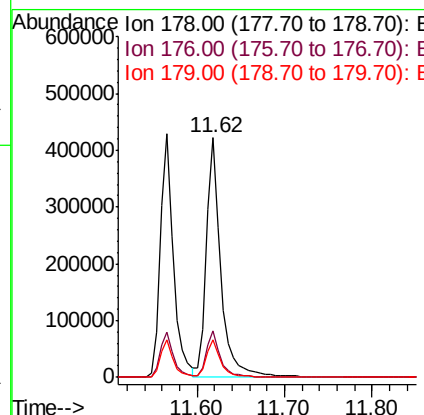
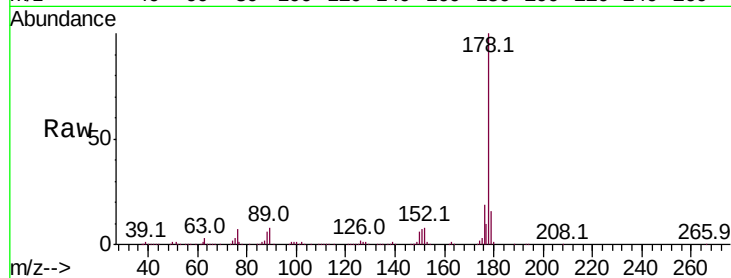
#71
 Anthracene
 Concen: 36.111 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	19.0

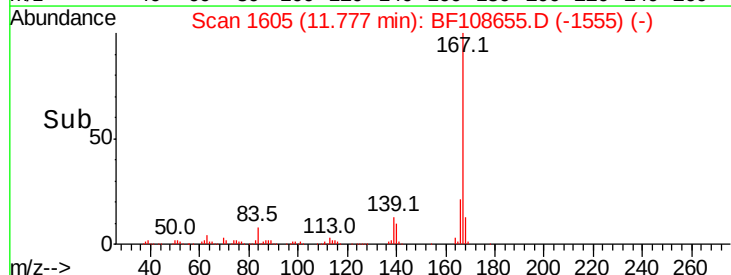
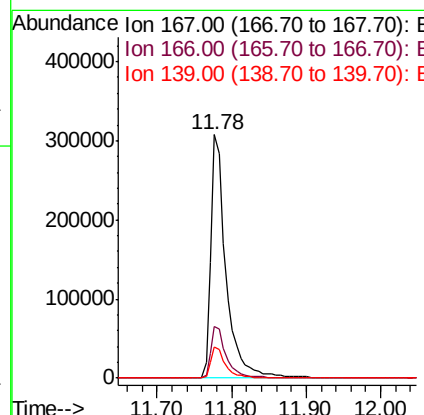
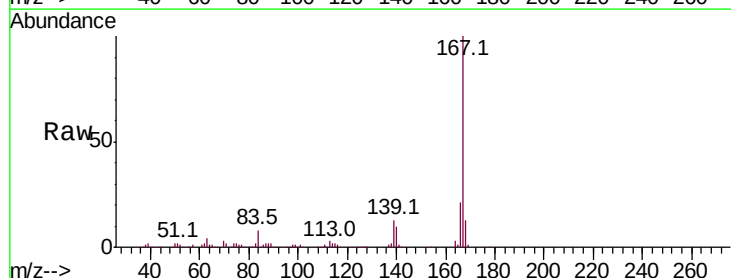
Manual Integrations
 APPROVED

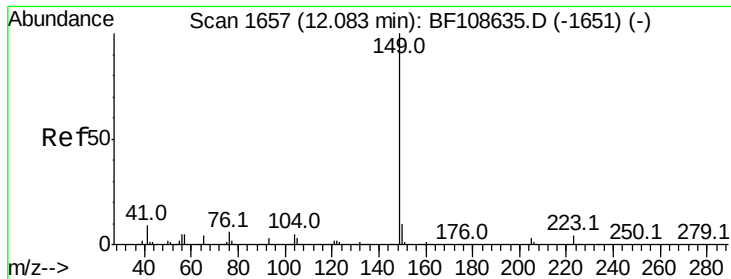
Sohil
 8/31/2018 12:18:27 PM



#72
 Carbazole
 Concen: 33.477 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	12.8	10.9	16.3





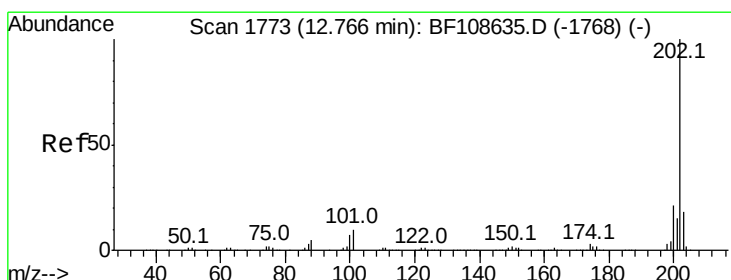
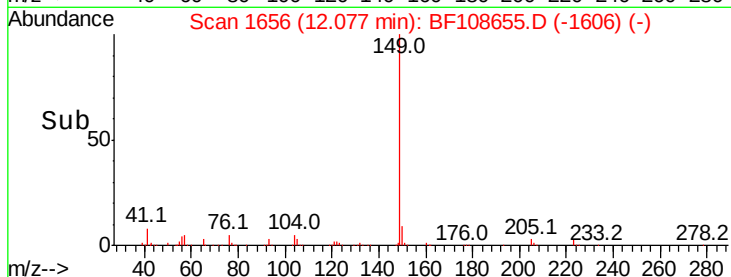
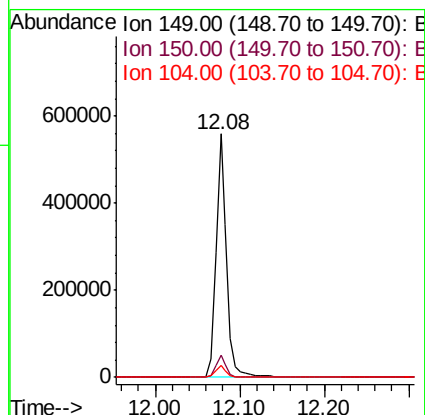
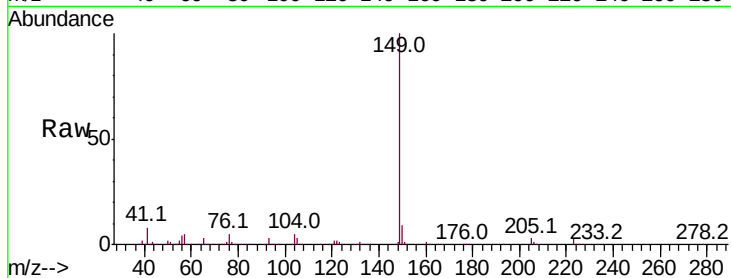
#73
Di-n-butylphthalate
Concen: 33.178 ng
RT: 12.08 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion:	149	Resp:	500234
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.8	11.6
104	4.9	3.8	5.8

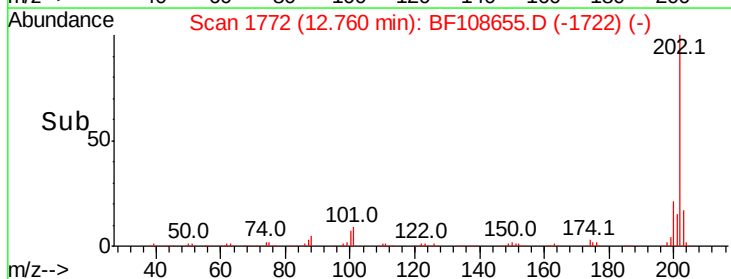
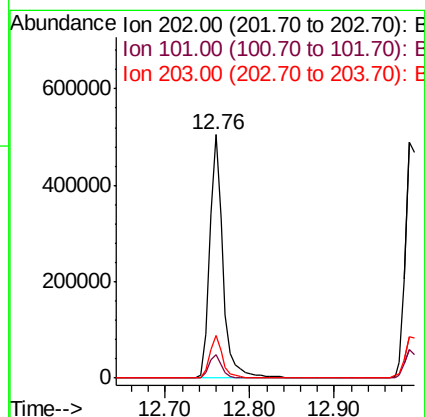
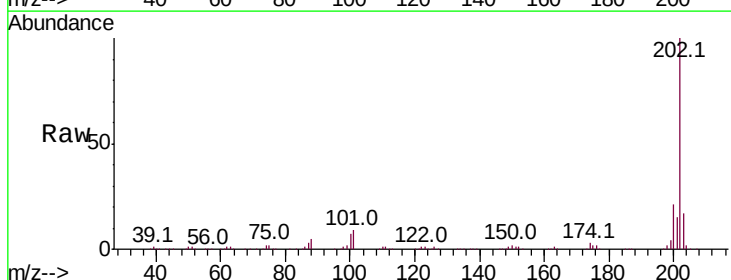
Manual Integrations
APPROVED

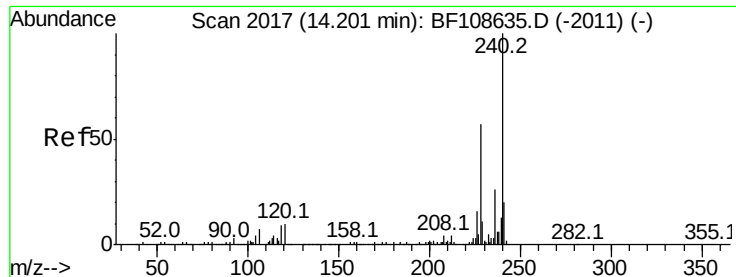
Sohil
8/31/2018 12:18:27 PM



#74
Fluoranthene
Concen: 38.066 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion:	202	Resp:	552667
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

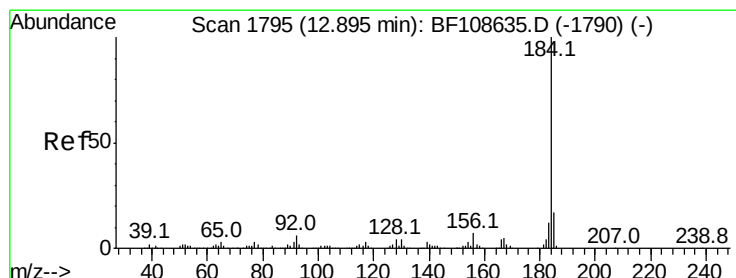
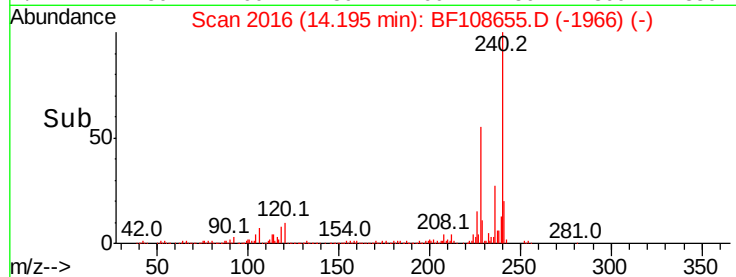
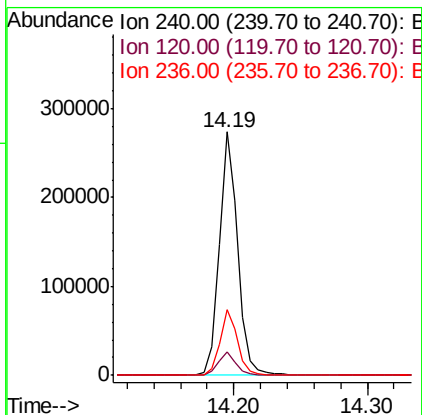
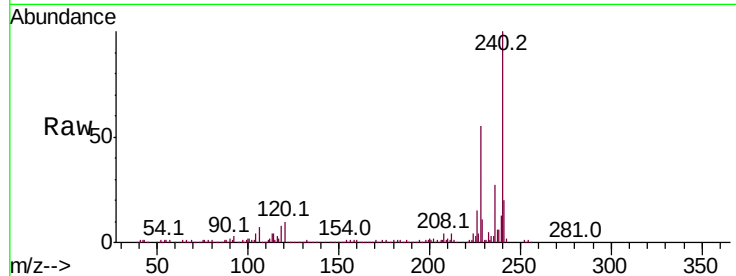
ClientSampleId :

CG-SOIL-1MS

Tot Ion:	240	Resp:	266100
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.9	20.7	31.1

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



#76

Benzidine

Concen: 45.036 ng

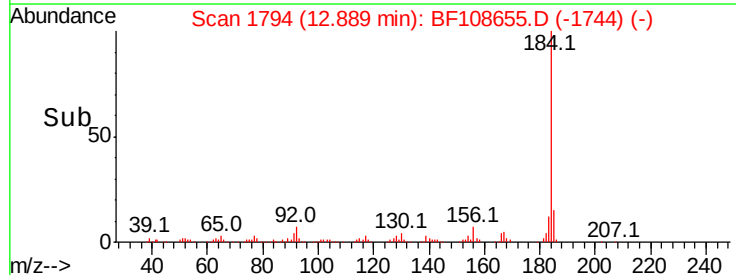
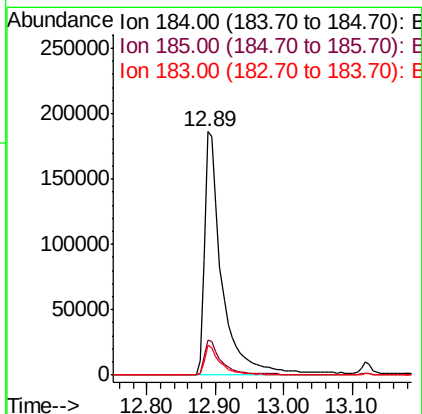
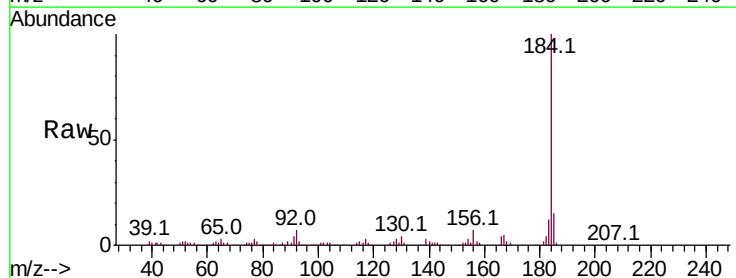
RT: 12.89 min Scan# 1794

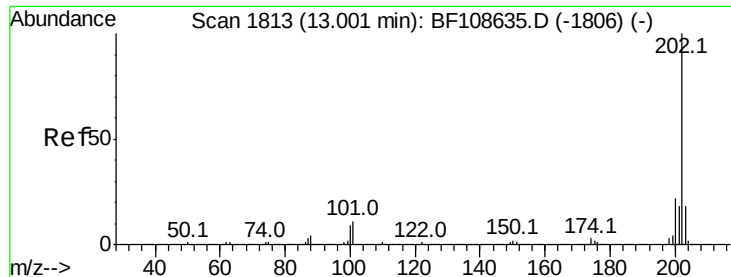
Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	184	Resp:	337334
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.6	18.8
183	12.2	9.3	13.9





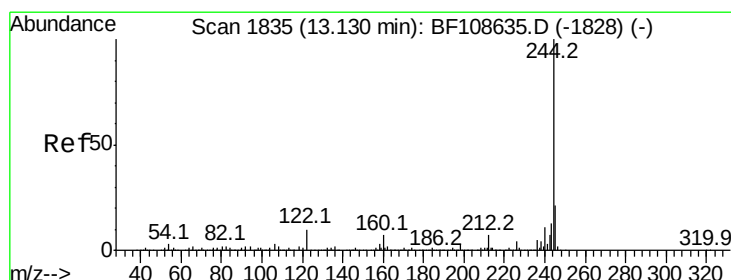
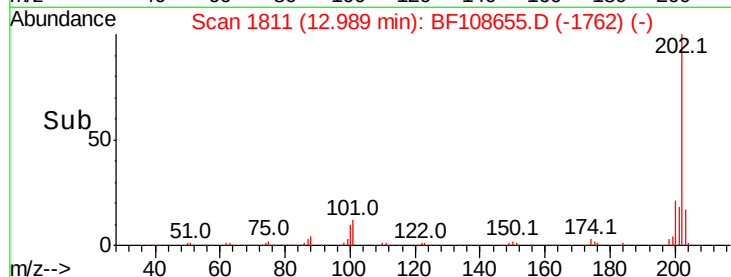
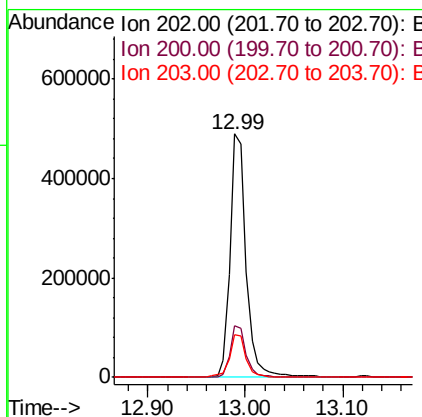
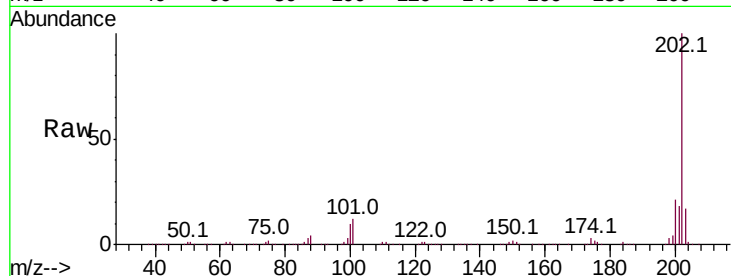
#77
Pvrene
Concen: 27.835 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.3	14.3	21.5

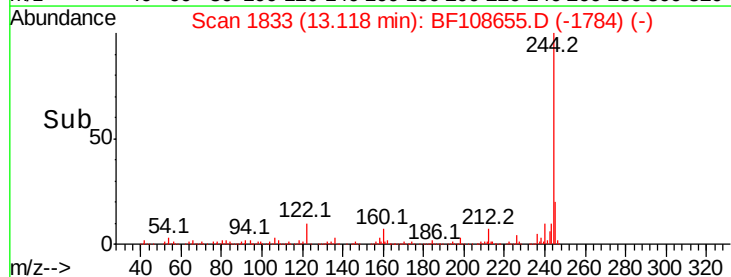
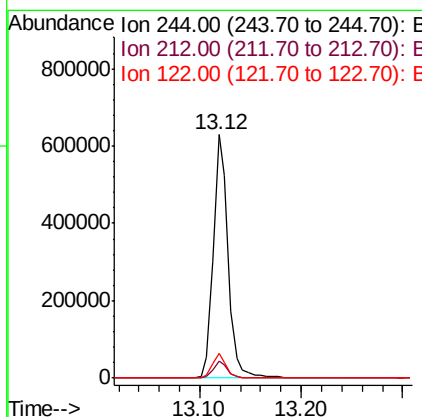
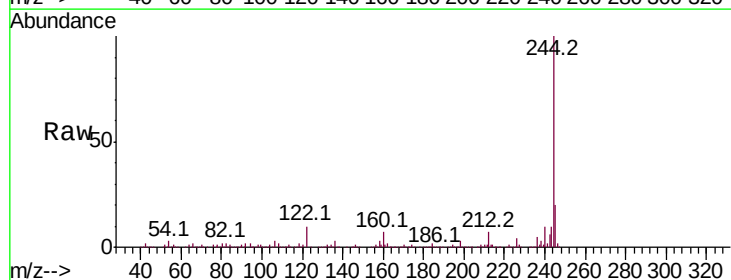
Manual Integrations
APPROVED

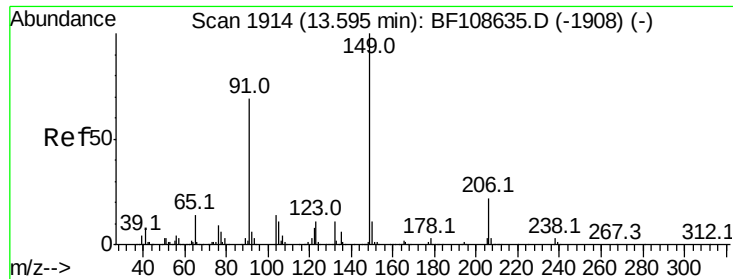
Sohil
8/31/2018 12:18:27 PM



#78
Terphenyl-d14
Concen: 46.686 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.4	8.0
122	9.9	11.0	16.4#





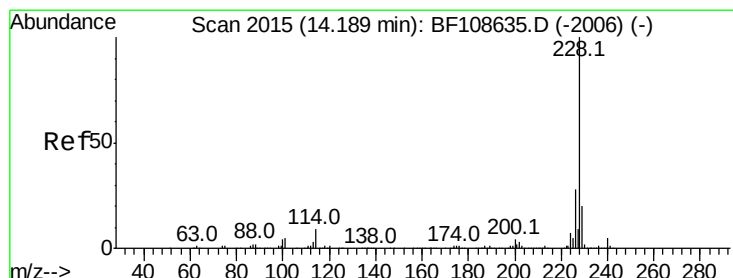
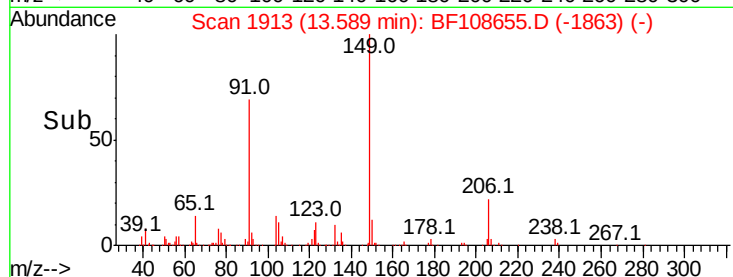
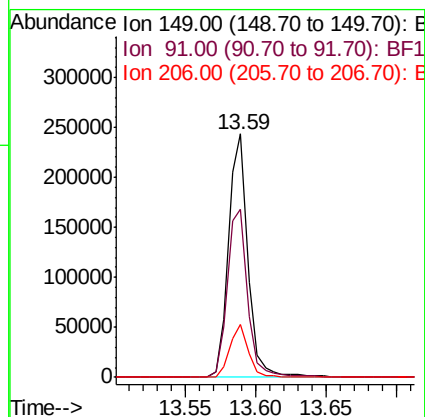
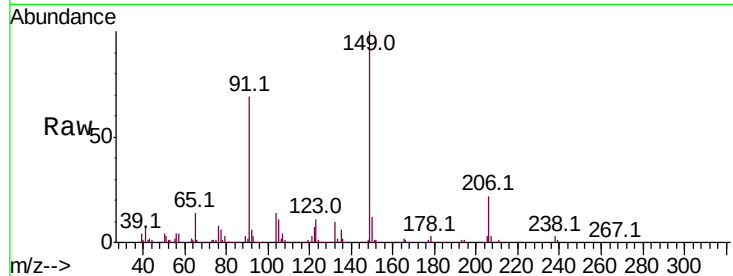
#79
Butylbenzylphthalate
Concen: 27.742 ng
RT: 13.59 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	68.9	56.8	85.2
206	21.7	14.1	21.1

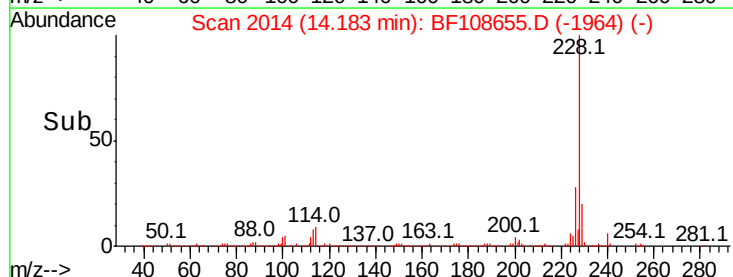
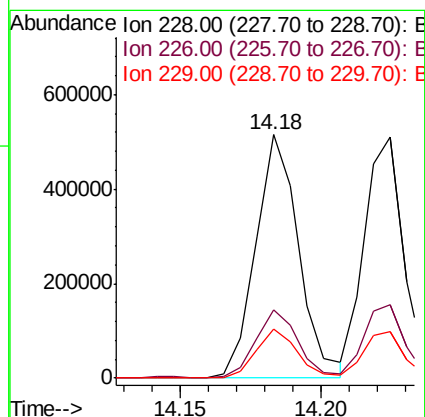
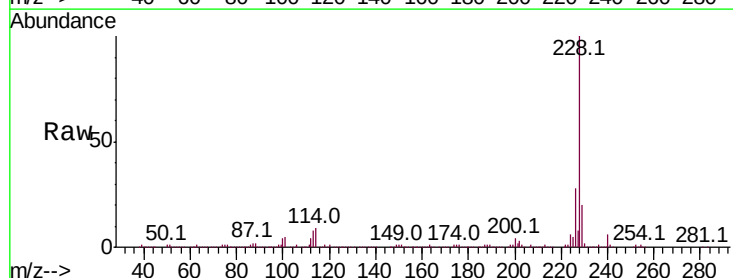
Manual Integrations
APPROVED

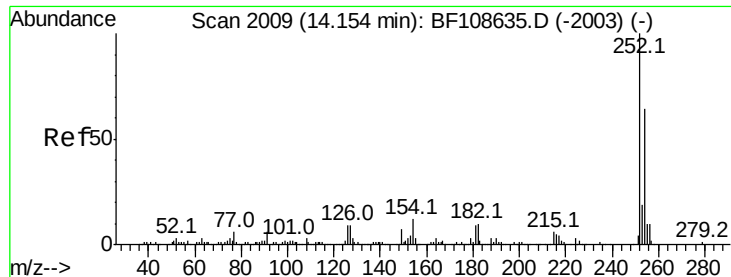
Sohil
8/31/2018 12:18:27 PM



#80
Benzo(a)anthracene
Concen: 33.544 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.4	15.8	23.6





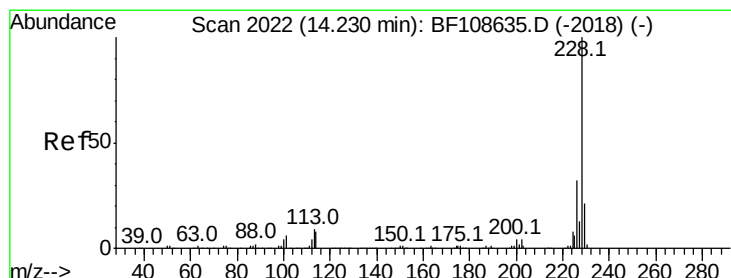
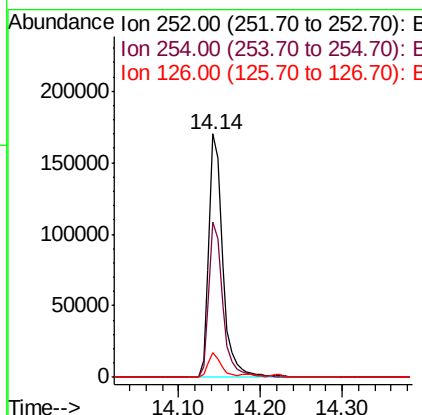
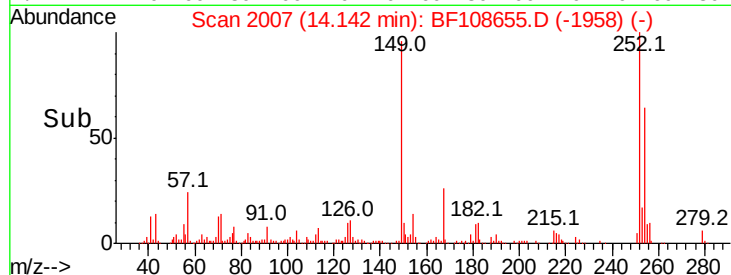
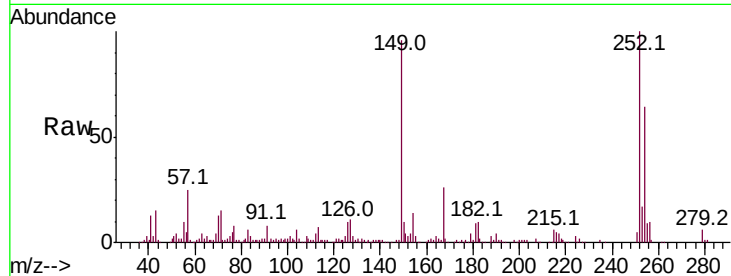
#81
 3,3'-Dichlorobenzidine
 Concen: 34.444 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	202633		
254	63.7	50.4	75.6	
126	10.4	11.3	16.9	

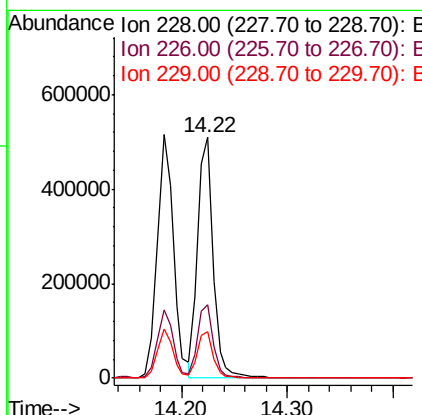
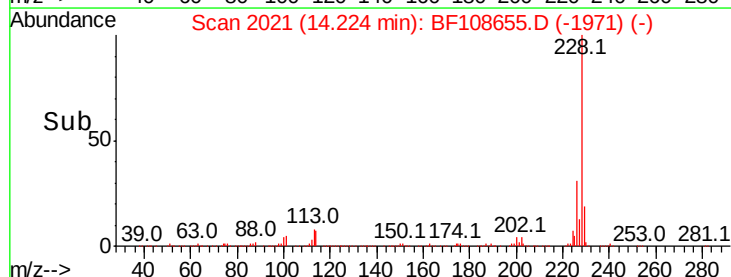
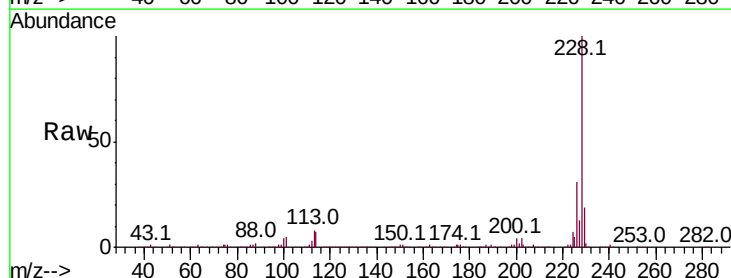
Manual Integrations
 APPROVED

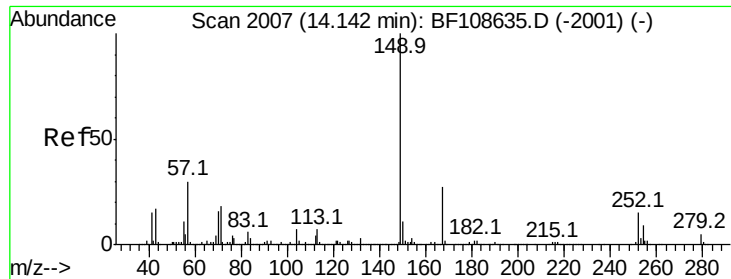
Sohil
 8/31/2018 12:18:27 PM



#82
 Chrysene
 Concen: 32.915 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	513486		
226	30.6	25.0	37.6	
229	19.3	16.2	24.4	





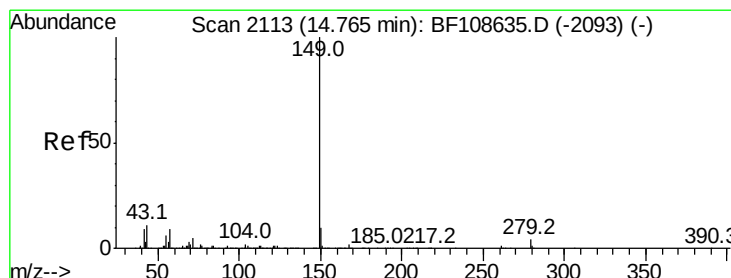
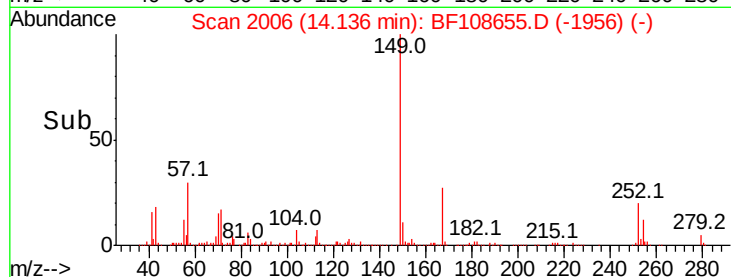
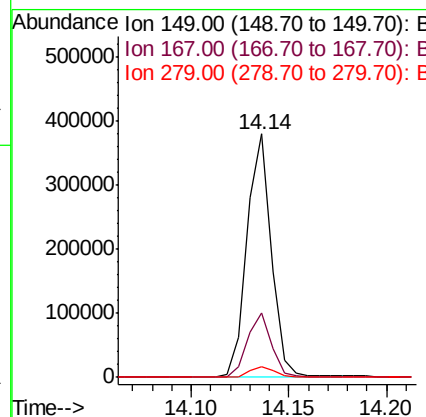
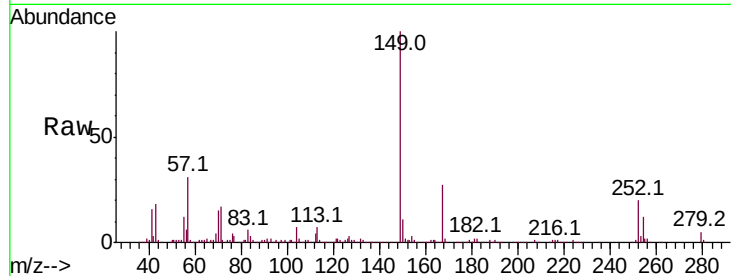
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 30.494 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.5	21.3	31.9	
279	4.6	3.0	4.4	

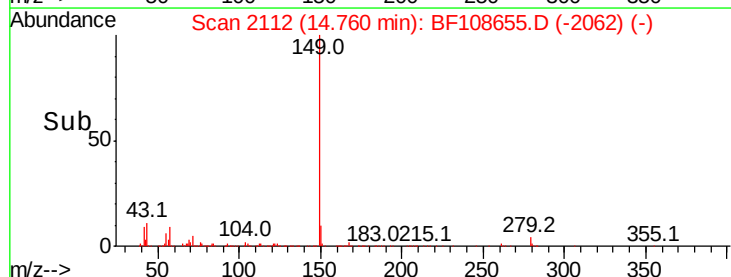
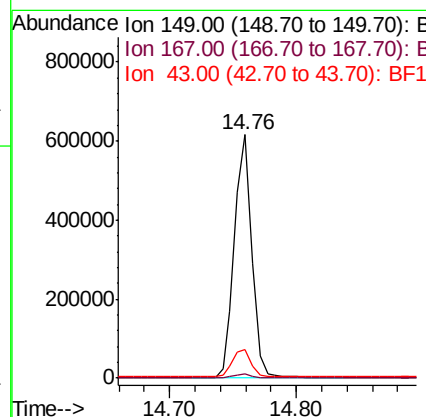
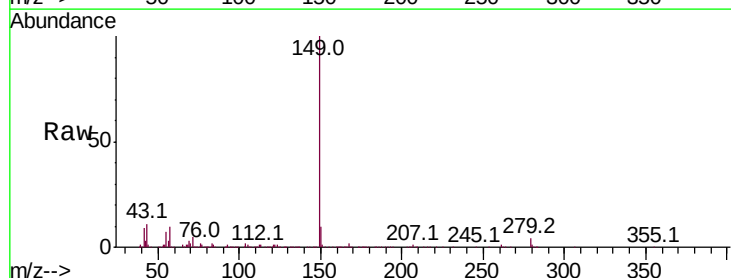
Manual Integrations
 APPROVED

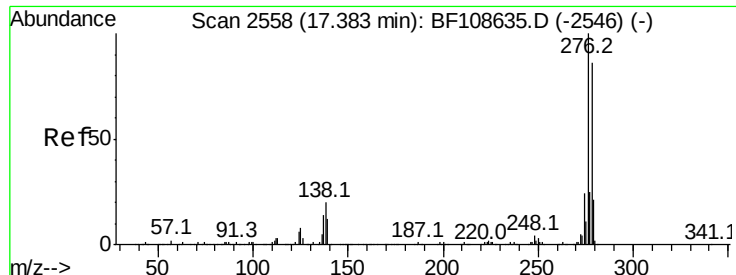
Sohil
 8/31/2018 12:18:27 PM



#84
 Di-n-octyl phthalate
 Concen: 36.774 ng
 RT: 14.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.8	1.2	1.8	
43	11.8	8.4	12.6	





#85

Indeno(1,2,3-cd)pyrene

Concen: 32.588 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Instrument :

BNA_F

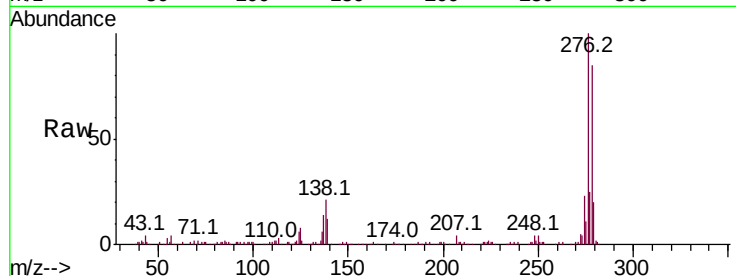
ClientSampleId :

CG-SOIL-1MS

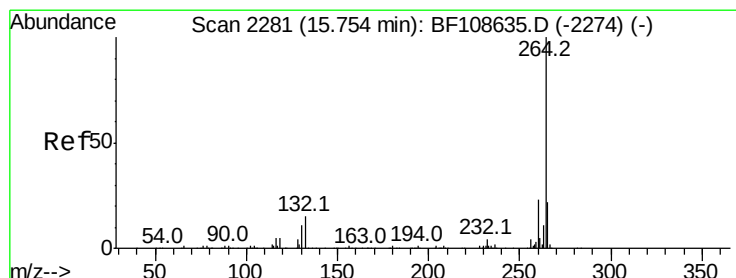
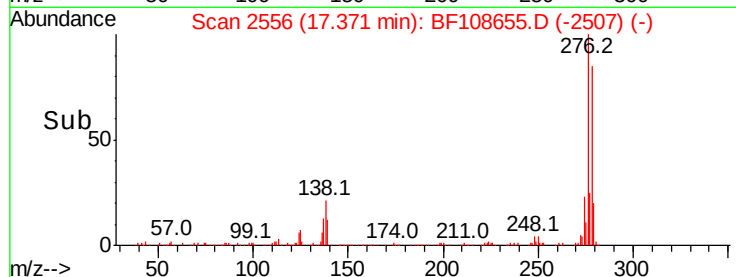
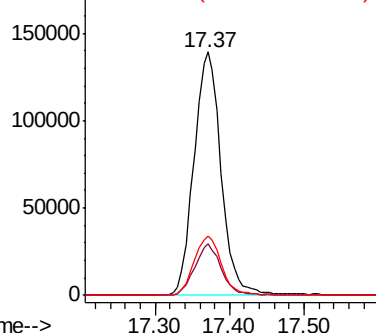
Tot Ion:	276	Resp:	353493
Ion Ratio	Lower	Upper	
276	100		
138	20.6	25.0	37.6#
277	24.9	20.1	30.1

Manual Integrations
APPROVED

Sohil
8/31/2018 12:18:27 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

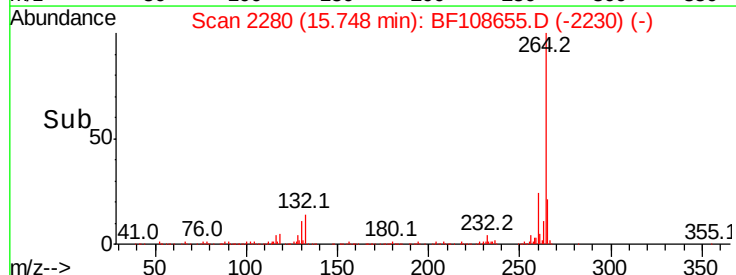
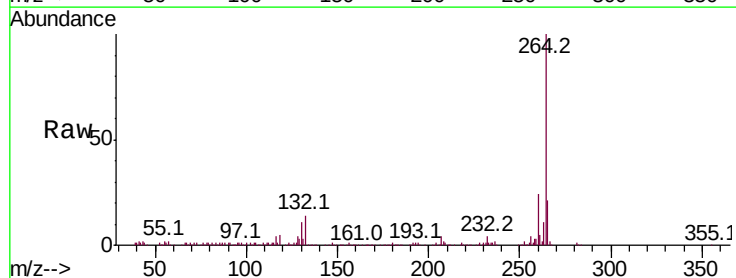
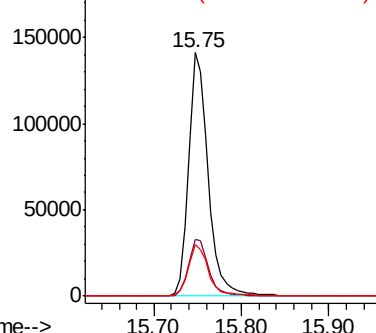
Delta R.T. -0.01 min

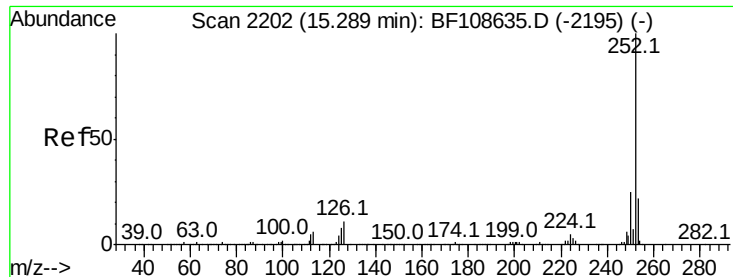
Lab File: BF108655.D

Acq: 30 Aug 2018 22:06

Tgt Ion:	264	Resp:	220103
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

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





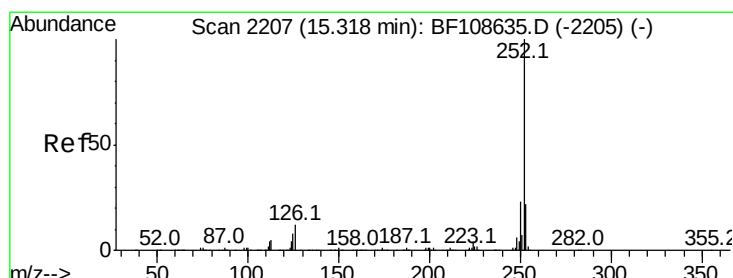
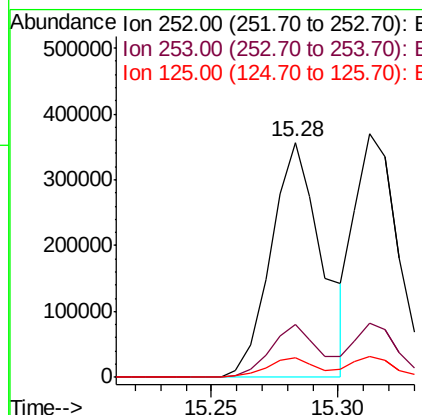
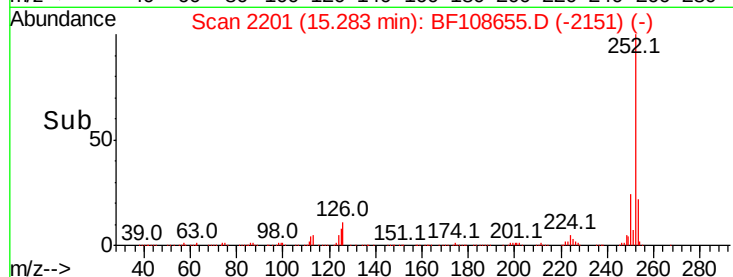
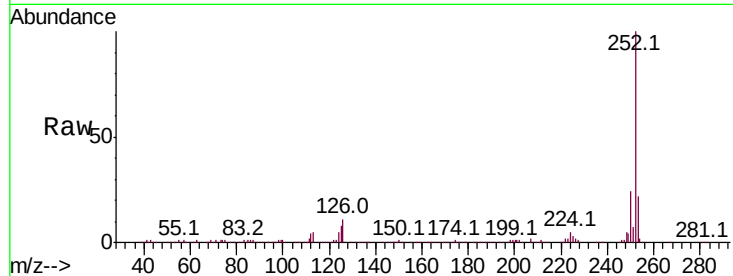
#87
Benzo(b)fluoranthene
Concen: 36.861 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.0	25.6
125	8.3	9.0	13.6#

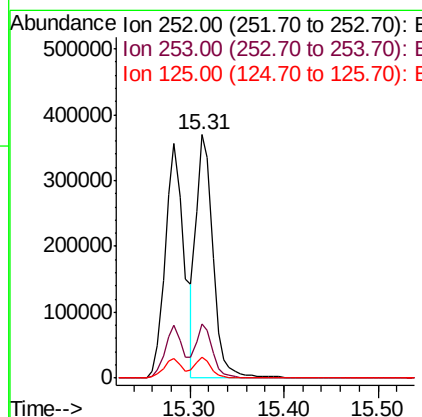
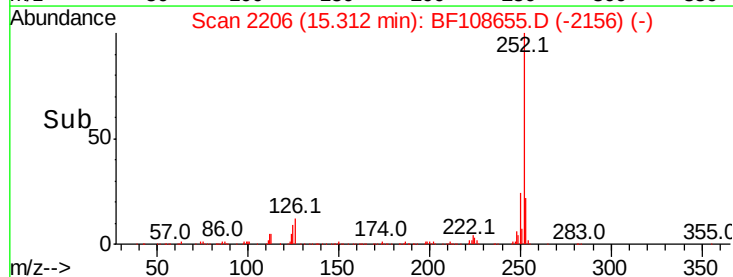
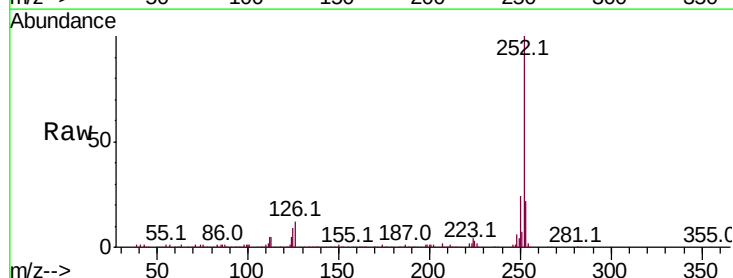
Manual Integrations
APPROVED

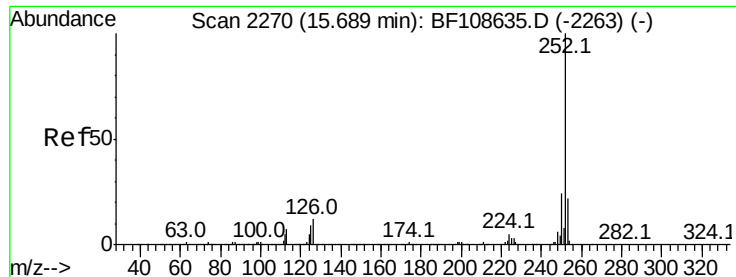
Sohil
8/31/2018 12:18:27 PM



#88
Benzo(k)fluoranthene
Concen: 34.041 ng
RT: 15.31 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.9	26.9
125	8.8	10.2	15.2#





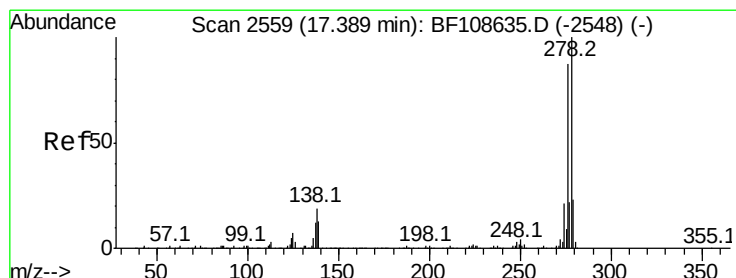
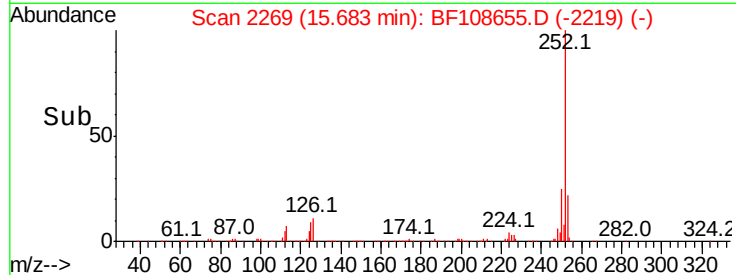
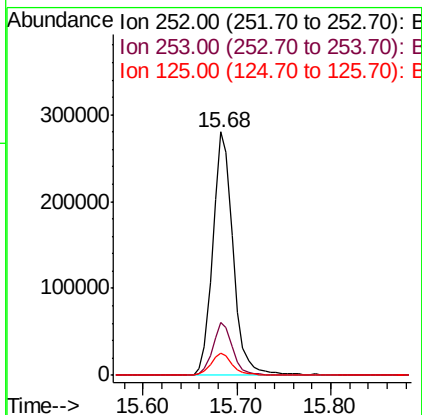
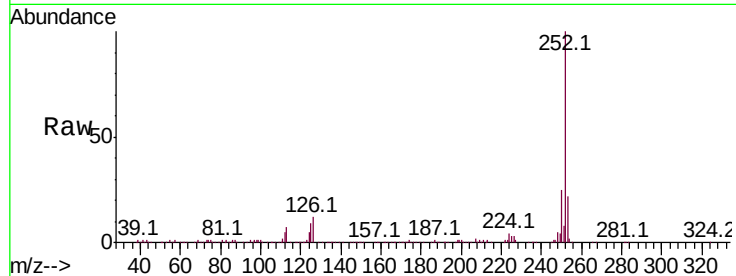
#89
Benzo(a)pyrene
Concen: 34.872 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.1	9.8	14.6

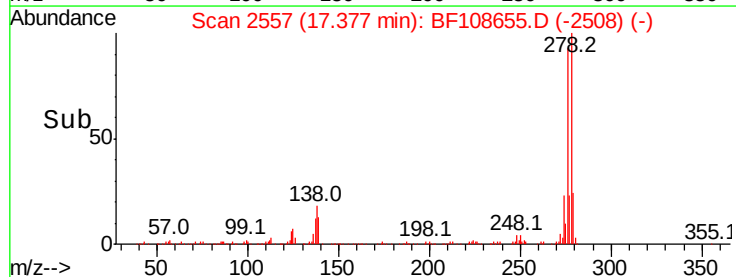
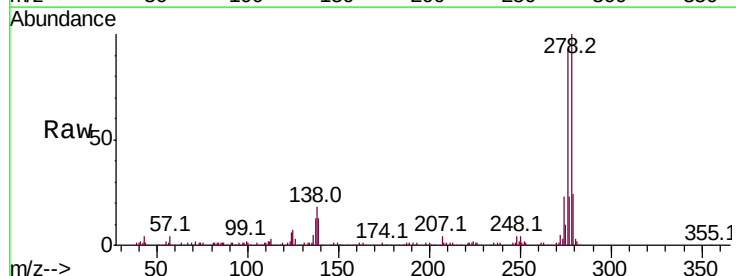
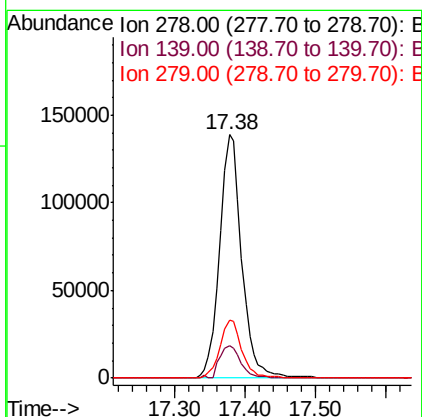
Manual Integrations
APPROVED

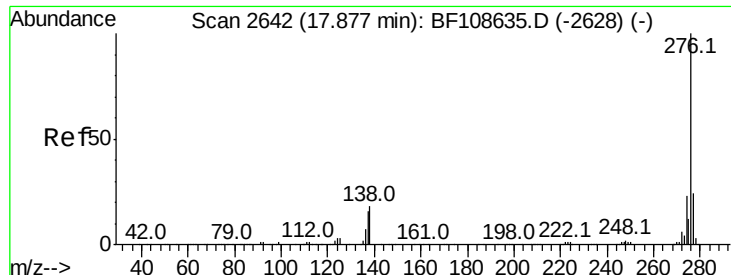
Sohil
8/31/2018 12:18:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 31.107 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108655.D
Acq: 30 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.1	15.9	23.9
279	23.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 29.112 ng
 RT: 17.87 min Scan# 2640
 Delta R.T. -0.01 min
 Lab File: BF108655.D
 Acq: 30 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MS

Tot Ion:	276	Resp:	276116
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	17.5	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 8/31/2018 12:18:27 PM

