

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108656.D
 Acq On : 30 Aug 2018 22:33
 Operator : JU/SJ
 Sample : J4699-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Manual Integrations
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 8/31/2018 12:18:29 PM

Quant Time: Aug 31 03:14:38 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	7.00	152	81626	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	310631	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	140094	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	279718	20.00	ng	0.00
75) Chrysene-d12	14.19	240	276039	20.00	ng	0.00
86) Perylene-d12	15.75	264	232327	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	333152	70.90	ng	0.00
7) Phenol-d6	6.64	99	509122	75.65	ng	0.00
23) Nitrobenzene-d5	7.57	82	366260	59.85	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	146748	79.35	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	650789	62.46	ng	0.00
78) Terphenyl-d14	13.12	244	735597	51.78	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	60364	27.643	ng	# 84
3) Pyridine	3.71	79	134857	26.730	ng	# 86
4) n-Nitrosodimethylamine	3.68	42	68832	27.350	ng	# 80
6) Aniline	6.70	93	194998	26.852	ng	# 81
8) 2-Chlorophenol	6.80	128	197066	34.302	ng	# 94
9) Benzaldehyde	6.58	77	104242	25.061	ng	# 98
10) Phenol	6.66	94	263309	33.552	ng	# 85
11) bis(2-Chloroethyl)ether	6.73	93	239864	34.711	ng	# 98
12) 1,3-Dichlorobenzene	6.94	146	212920	31.964	ng	# 99
13) 1,4-Dichlorobenzene	7.02	146	240973	33.141	ng	# 98
14) 1,2-Dichlorobenzene	7.17	146	221453	33.162	ng	# 97
15) Benzyl Alcohol	7.16	79	136913	28.282	ng	# 93
16) 2,2'-oxybis(1-Chloropropan	7.27	45	357175	33.692	ng	# 71
17) 2-Methylphenol	7.26	107	149243	33.412	ng	# 69
18) Hexachloroethane	7.50	117	76592	30.629	ng	# 98
19) n-Nitroso-di-n-propylamine	7.40	70	142941	31.717	ng	# 91
20) 3+4-Methylphenols	7.42	107	170521	30.469	ng	# 24
22) Acetophenone	7.41	105	292786	37.757	ng	# 89
24) Nitrobenzene	7.58	77	206455	33.271	ng	# 92
25) Isophorone	7.81	82	378574	37.239	ng	# 96
26) 2-Nitrophenol	7.90	139	93939	33.441	ng	# 92
27) 2,4-Dimethylphenol	7.93	122	160988	39.406	ng	# 97
28) bis(2-Chloroethoxy)methane	8.02	93	236573	36.838	ng	# 97
29) 2,4-Dichlorophenol	8.15	162	165273	34.100	ng	# 97
30) 1,2,4-Trichlorobenzene	8.22	180	187017	34.506	ng	# 97
31) Naphthalene	8.31	128	596056	40.286	ng	# 100
32) Benzoic acid	8.04	122	21756m	8.304	ng	#
33) 4-Chloroaniline	8.37	127	180059	27.568	ng	# 97
34) Hexachlorobutadiene	8.41	225	120999	34.001	ng	# 99
35) Caprolactam	8.72	113	39452	30.548	ng	# 88
36) 4-Chloro-3-methylphenol	8.84	107	167275	32.156	ng	# 96
37) 2-Methylnaphthalene	9.00	142	378456	37.806	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	192710	38.747	ng	# 97
40) Hexachlorocyclopentadiene	9.14	237	43805	26.145	ng	# 95

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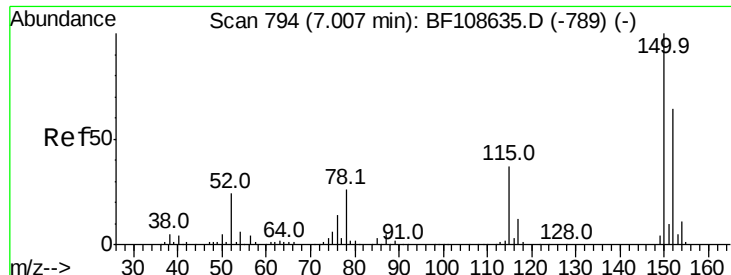
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	106706	36.230	nq	99
43) 2,4,5-Trichlorophenol	9.33	196	129687	37.760	nq	# 94
45) 1,1'-Biphenyl	9.46	154	459221	37.653	nq	96
46) 2-Chloronaphthalene	9.49	162	350820	36.743	nq	97
47) 2-Nitroaniline	9.60	65	113066	35.406	nq	84
48) Acenaphthylene	9.91	152	551998	39.489	nq	99
49) Dimethylphthalate	9.75	163	486394	44.090	nq	# 99
50) 2,6-Dinitrotoluene	9.82	165	87226	35.871	nq	# 88
51) Acenaphthene	10.08	154	301101	36.026	nq	99
52) 3-Nitroaniline	10.02	138	71976	27.361	nq	96
53) 2,4-Dinitrophenol	10.13	184	19162	23.175	nq	# 46
54) Dibenzofuran	10.25	168	474462	36.279	nq	95
55) 4-Nitrophenol	10.20	139	80014	49.601	nq	# 84
56) 2,4-Dinitrotoluene	10.24	165	112779	35.027	nq	# 92
57) Fluorene	10.60	166	375080	37.008	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	113477	36.881	nq	# 78
59) Diethylphthalate	10.45	149	393216	35.379	nq	98
60) 4-Chlorophenyl-phenylether	10.58	204	193632	33.668	nq	94
61) 4-Nitroaniline	10.64	138	77205	30.330	nq	93
62) Azobenzene	10.74	77	380625	34.454	nq	92
64) 4,6-Dinitro-2-methylphenol	10.65	198	18230	14.688	nq	88
65) n-Nitrosodiphenylamine	10.70	169	339266	36.507	nq	95
66) 4-Bromophenyl-phenylether	11.07	248	118333	34.421	nq	# 88
67) Hexachlorobenzene	11.14	284	124403	33.589	nq	# 87
68) Atrazine	11.22	200	109389	41.055	nq	95
69) Pentachlorophenol	11.34	266	117748	59.829	nq	99
70) Phenanthrene	11.57	178	532069	37.685	nq	98
71) Anthracene	11.62	178	592153	39.916	nq	99
72) Carbazole	11.78	167	525447	36.630	nq	99
73) Di-n-butylphthalate	12.08	149	598619	36.272	nq	99
74) Fluoranthene	12.76	202	648526	40.807	nq	94
76) Benzidine	12.89	184	388392	49.985	nq	99
77) Pyrene	12.99	202	651360	31.390	nq	99
79) Butylbenzylphthalate	13.59	149	279022	31.978	nq	# 96
80) Benzo(a)anthracene	14.18	228	621288	36.920	nq	100
81) 3,3'-Dichlorobenzidine	14.15	252	231638	37.956	nq	# 94
82) Chrysene	14.22	228	590789	36.507	nq	99
83) Bis(2-ethylhexyl)phthalate	14.14	149	380818	33.955	nq	# 99
84) Di-n-octyl phthalate	14.76	149	672144	40.761	nq	96
85) Indeno(1,2,3-cd)pyrene	17.37	276	411985	36.613	nq	# 89
87) Benzo(b)fluoranthene	15.28	252	564994	39.589	nq	# 96
88) Benzo(k)fluoranthene	15.31	252	530005	37.489	nq	# 95
89) Benzo(a)pyrene	15.68	252	483125	37.459	nq	# 97
90) Dibenzo(a,h)anthracene	17.38	278	352608	34.231	nq	# 92
91) Benzo(g,h,i)perylene	17.87	276	322433	32.206	nq	# 88

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.00 min Scan# 793

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

CG-SOIL-1MSD

Tot Ion:152 Resp: 81626

Ion Ratio Lower Upper

152 100

150 161.3 124.6 186.8

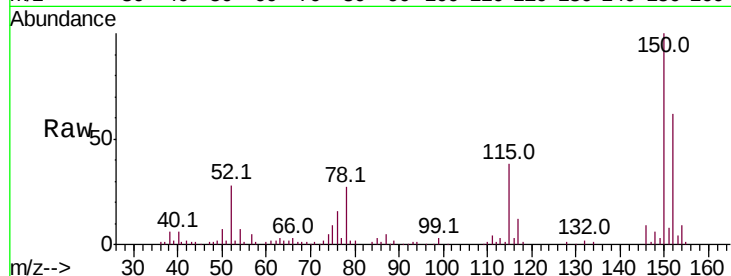
115 60.9 50.1 75.1

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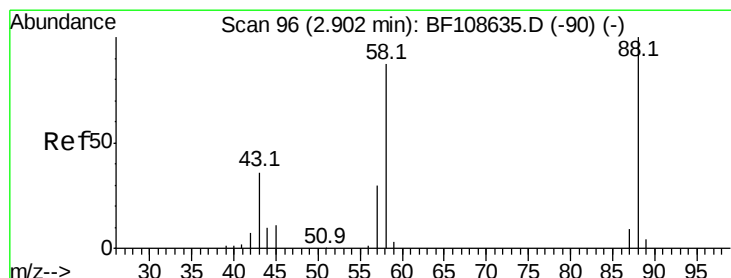
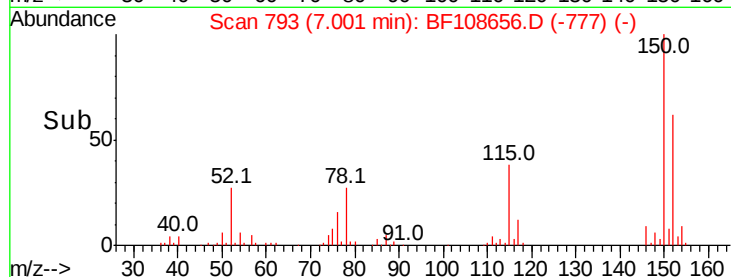
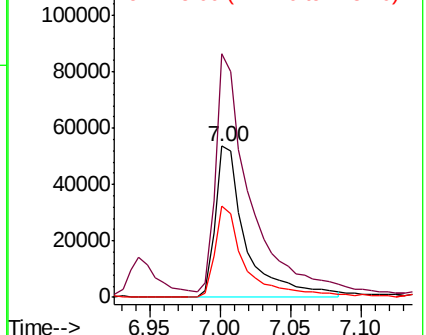


Abundance

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: 27.643 ng

RT: 2.90 min Scan# 96

Delta R.T. -0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

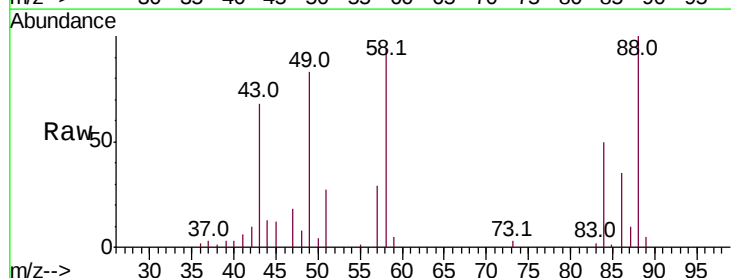
Tgt Ion: 88 Resp: 60364

Ion Ratio Lower Upper

88 100

58 84.9 62.6 93.8

43 50.5 24.6 37.0#

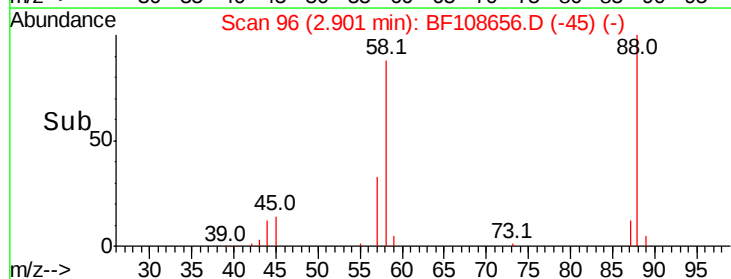
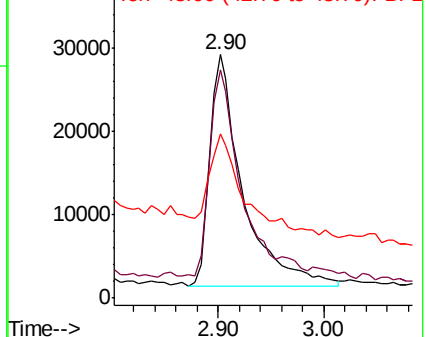


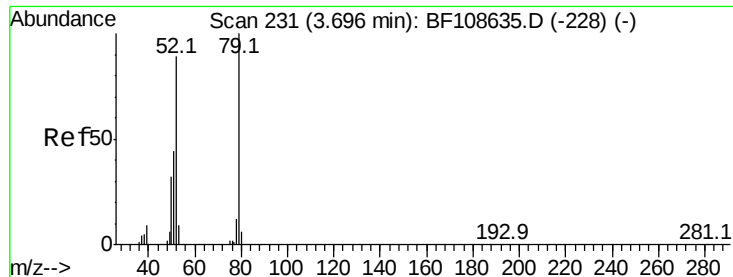
Abundance

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





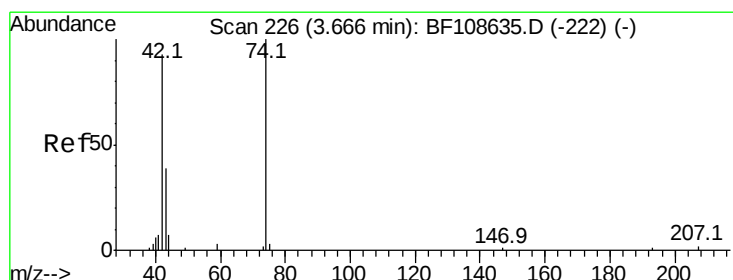
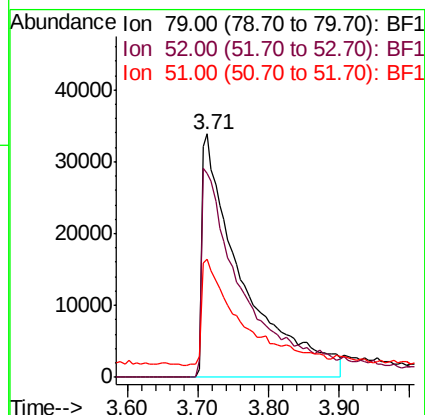
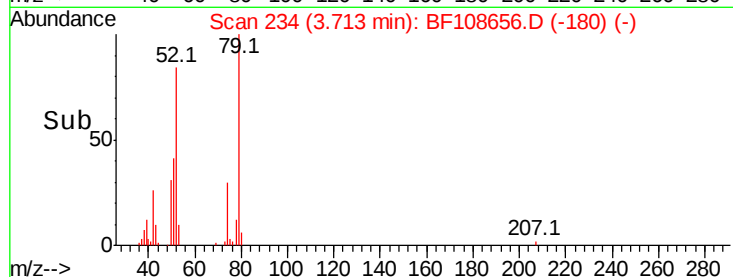
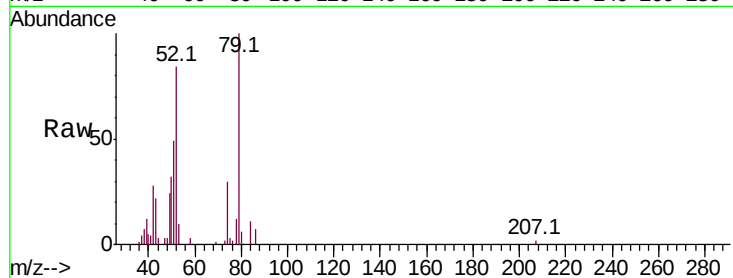
#3
 Pvridine
 Concen: 26.730 ng
 RT: 3.71 min Scan# 234
 Delta R.T. 0.02 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.0	59.8	89.6
51	48.8	29.8	44.8

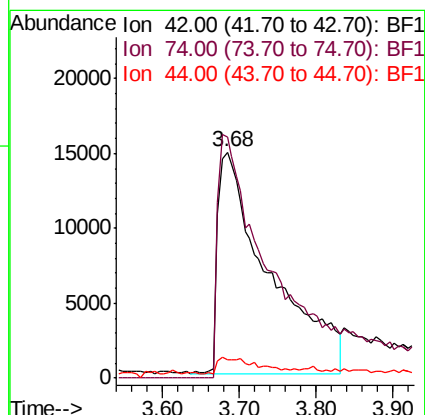
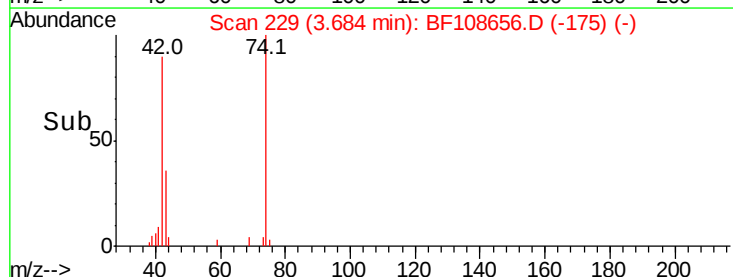
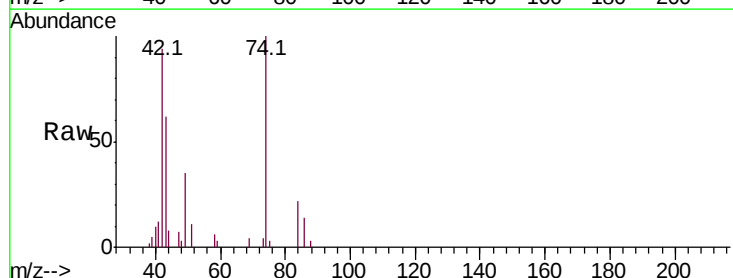
Manual Integrations
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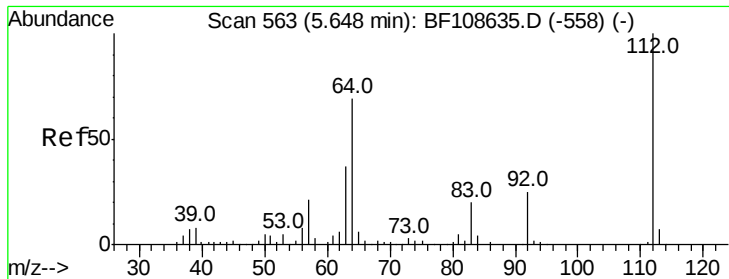
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#4
 n-Nitrosodimethylamine
 Concen: 27.350 ng
 RT: 3.68 min Scan# 229
 Delta R.T. 0.02 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
42	100		
74	106.5	104.9	157.3
44	8.1	6.9	10.3





#5

2-Fluorophenol

Concen: 70.903 ng

RT: 5.65 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

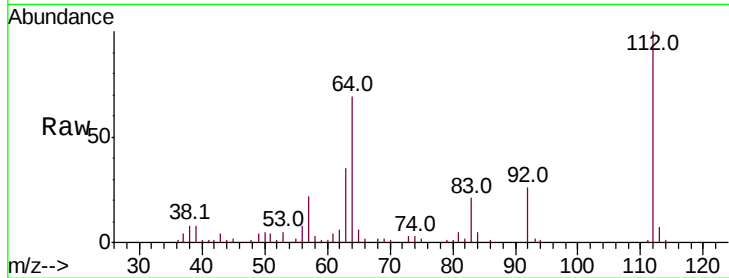
ClientSampleId :

CG-SOIL-1MSD

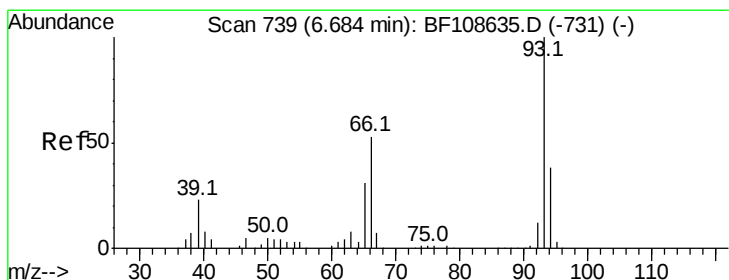
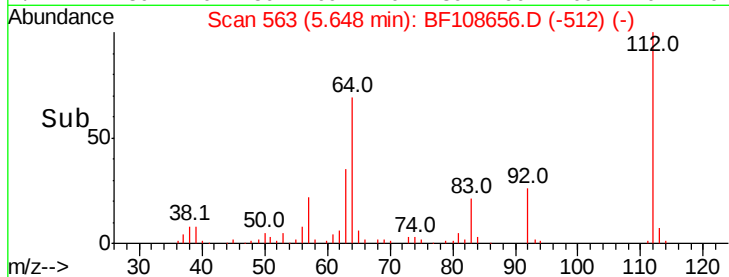
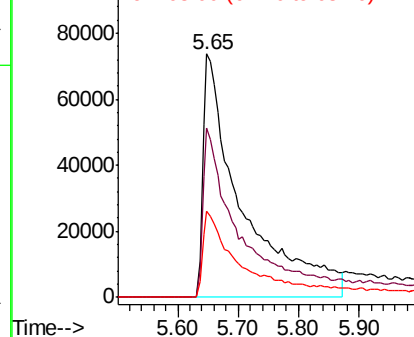
Tot Ion:	112	Resp:	333152
Ion Ratio	Lower	Upper	
112	100		
64	69.4	47.9	71.9
63	35.4	23.7	35.5

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.852 ng

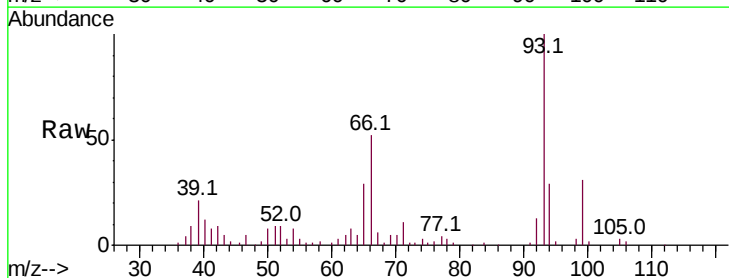
RT: 6.70 min Scan# 741

Delta R.T. 0.01 min

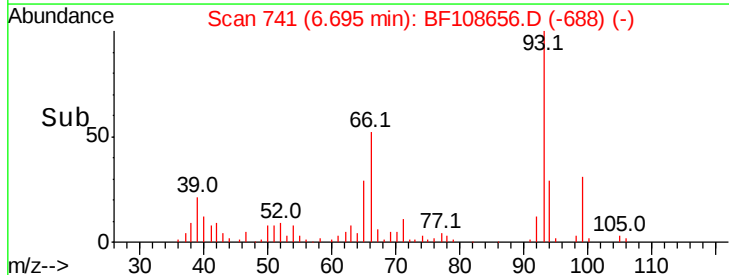
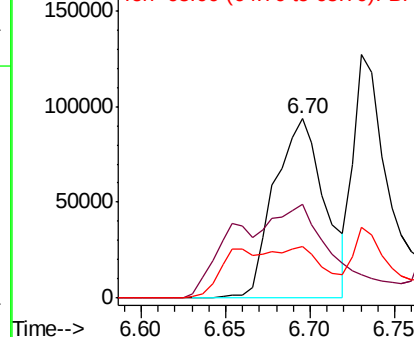
Lab File: BF108656.D

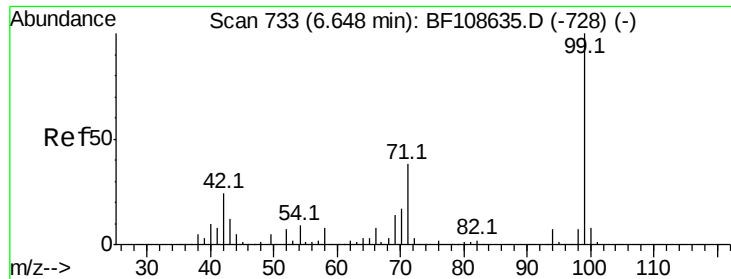
Acq: 30 Aug 2018 22:33

Tgt Ion:	93	Resp:	194998
Ion Ratio	Lower	Upper	
93	100		
66	52.4	32.2	48.2#
65	28.9	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 75.652 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

ClientSampleId :

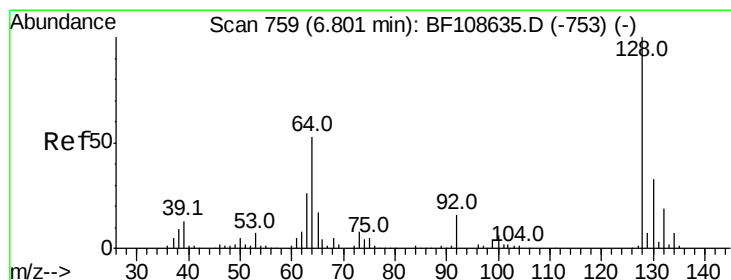
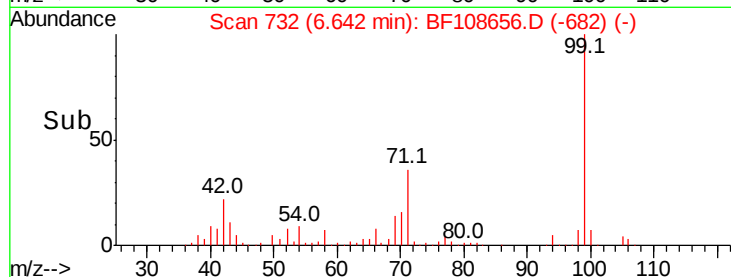
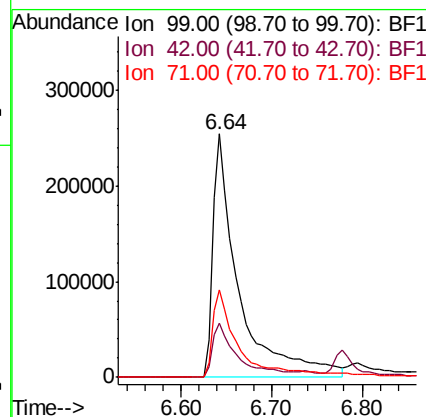
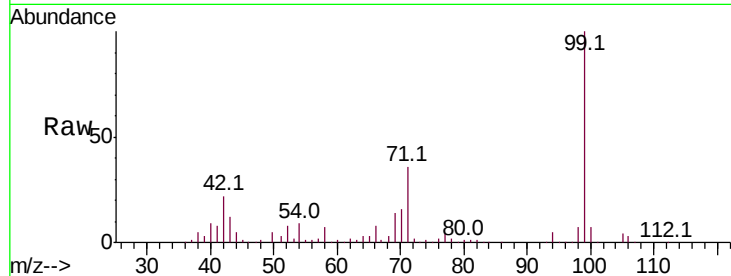
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Tot Ion: 99 Resp: 509122

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	36.1	25.4	38.0

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#8

2-Chlorophenol

Concen: 34.302 ng

RT: 6.80 min Scan# 758

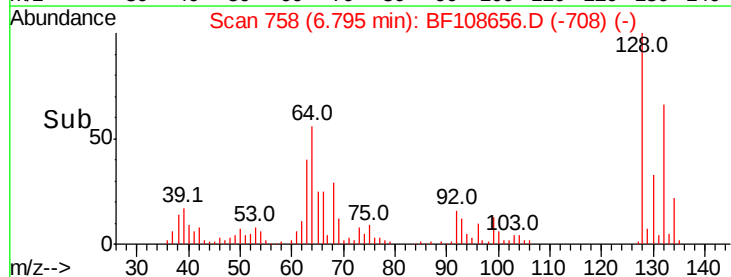
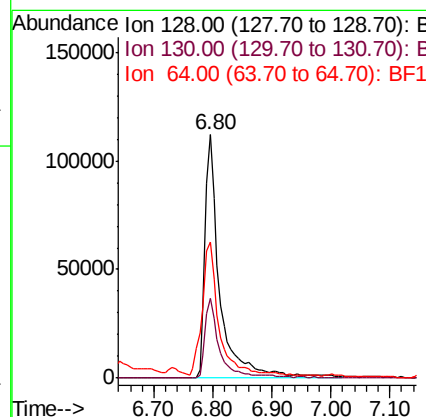
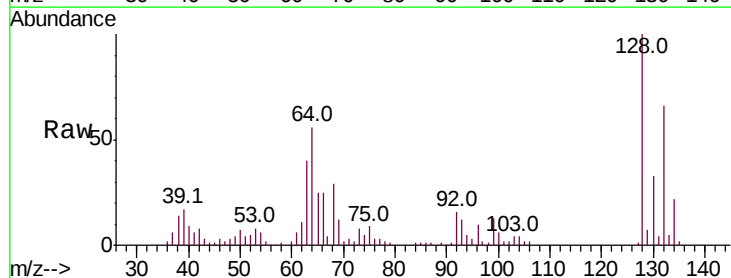
Delta R.T. -0.01 min

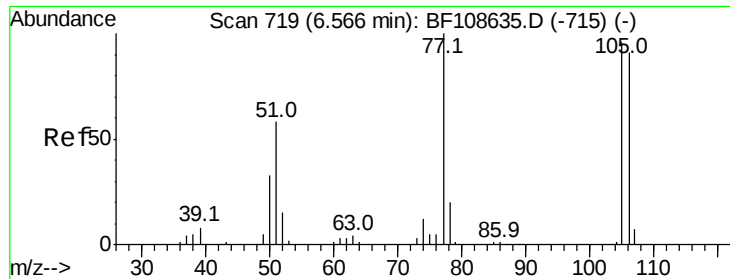
Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion: 128 Resp: 197066

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.0	53.0
64	56.0	29.4	69.4





#9

Benzaldehyde

Concen: 25.061 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

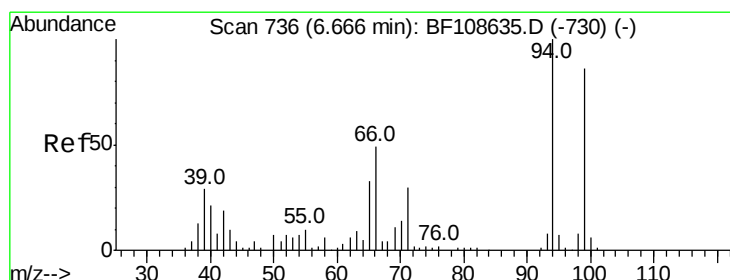
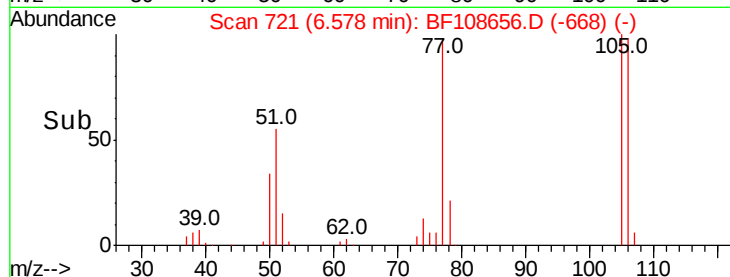
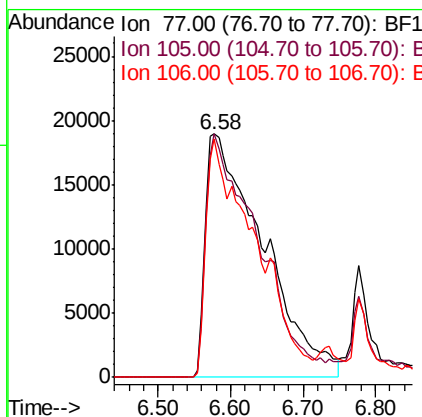
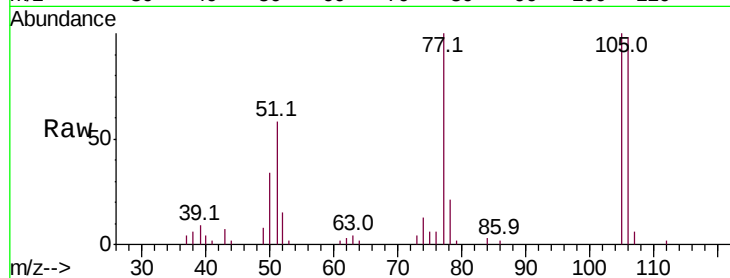
ClientSampleID :

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Tot Ion:	77	Resp:	104242
Ion	Ratio	Lower	Upper
77	100		
105	100.1	81.1	121.1
106	97.9	74.5	114.5

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#10

Phenol

Concen: 33.552 ng

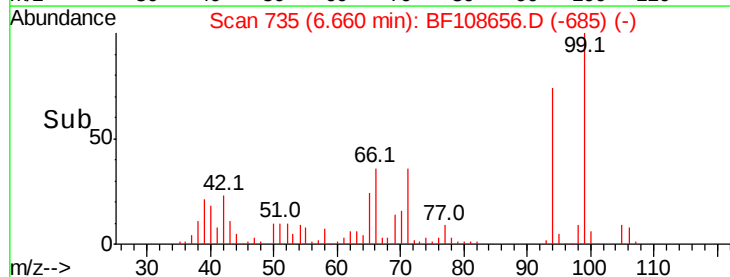
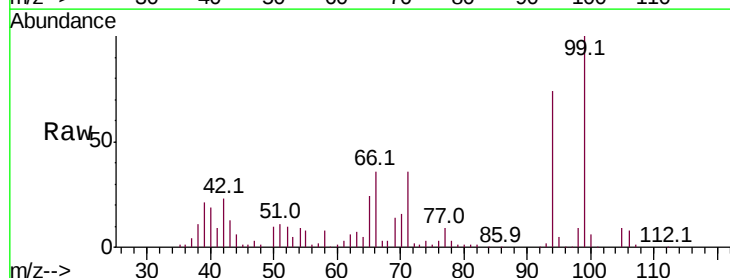
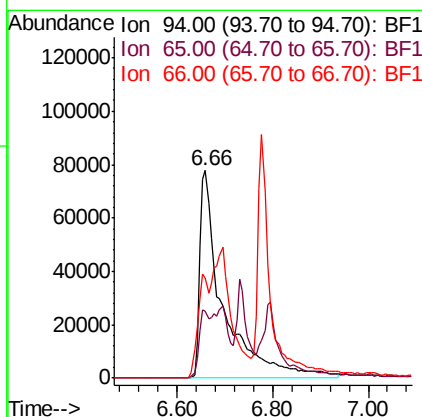
RT: 6.66 min Scan# 735

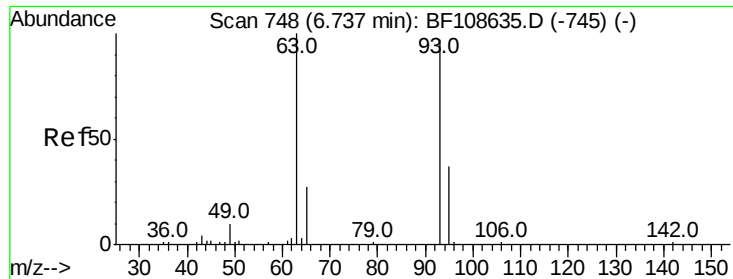
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion:	94	Resp:	263309
Ion	Ratio	Lower	Upper
94	100		
65	32.6	7.9	47.9
66	48.1	16.2	56.2





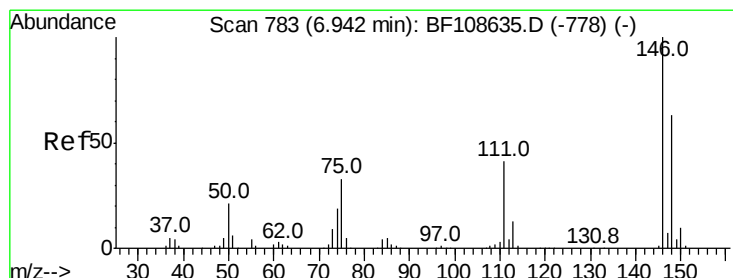
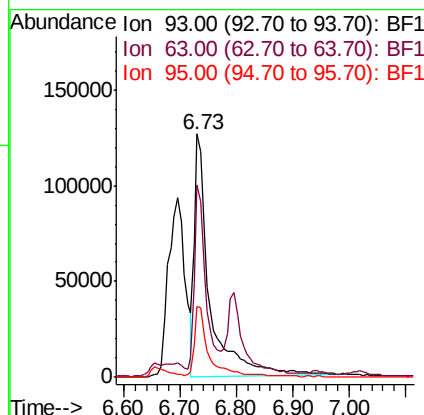
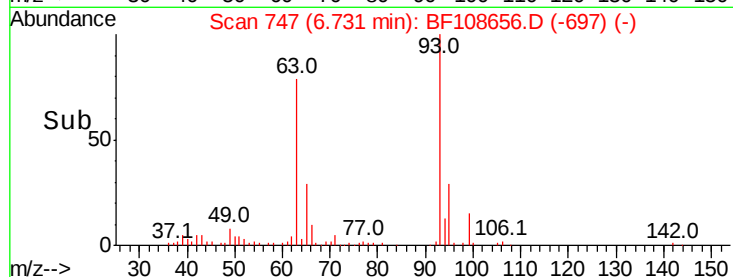
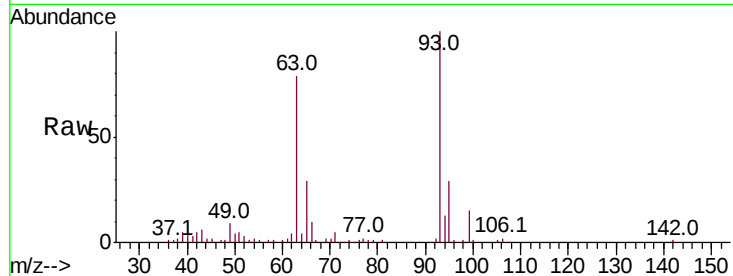
#11
bis(2-Chloroethyl)ether
Concen: 34.711 ng
RT: 6.73 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion:	93	Resp:	239864
Ion Ratio	Lower	Upper	
93	100		
63	79.0	58.6	98.6
95	28.8	11.8	51.8

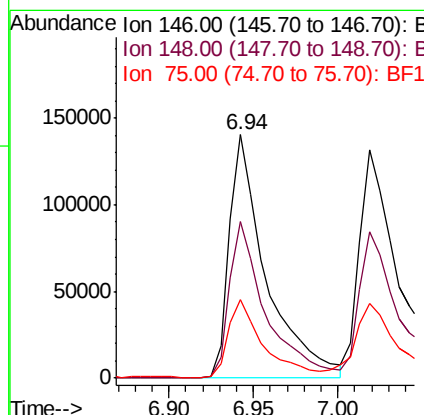
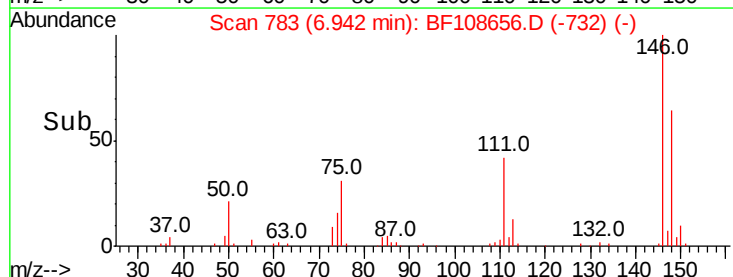
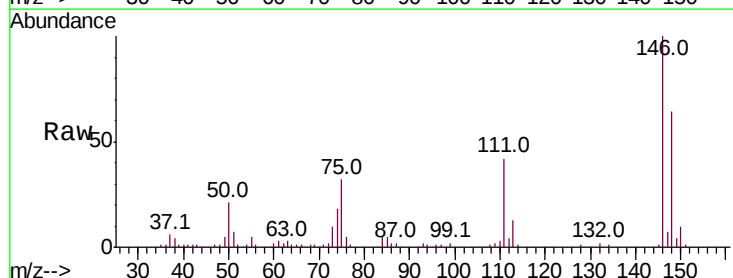
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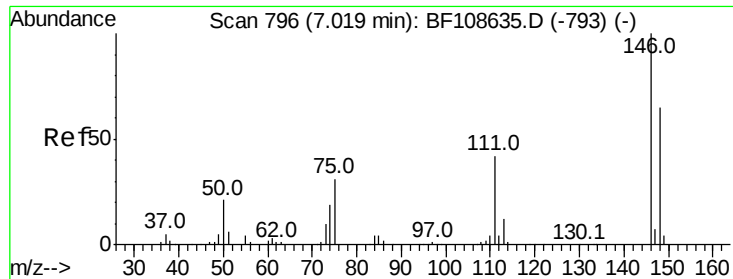
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#12
1,3-Dichlorobenzene
Concen: 31.964 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion:	146	Resp:	212920
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.8	77.8
75	32.0	24.2	36.4





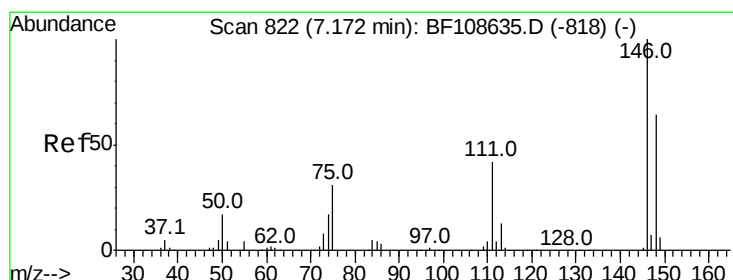
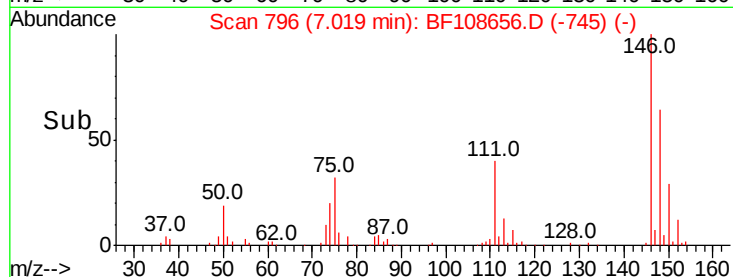
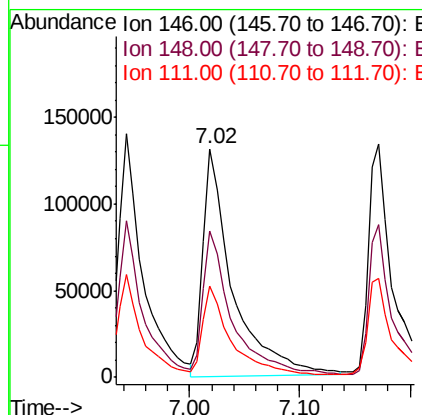
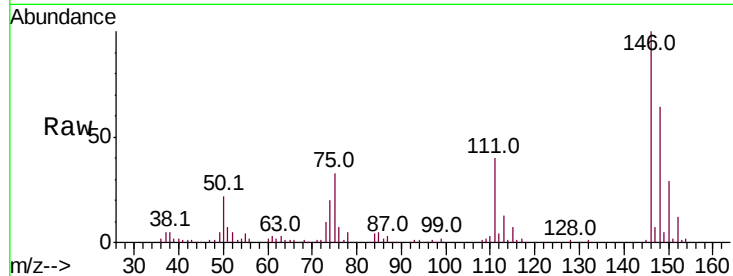
#13
1,4-Dichlorobenzene
Concen: 33.141 ng
RT: 7.02 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	39.9	34.2	51.2

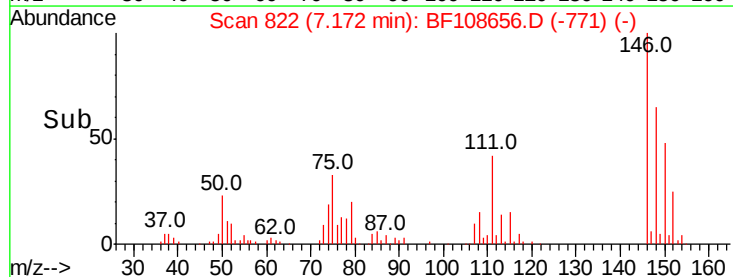
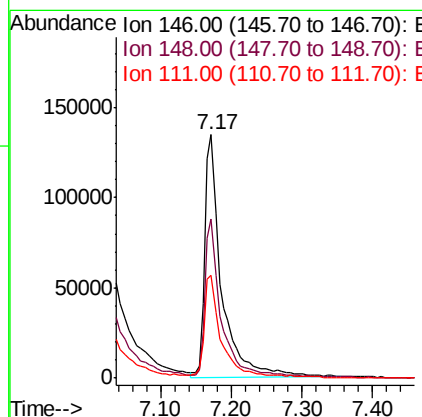
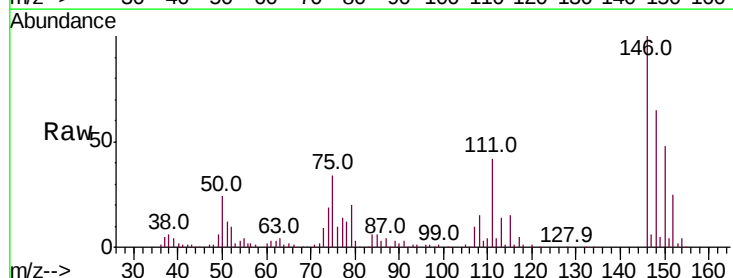
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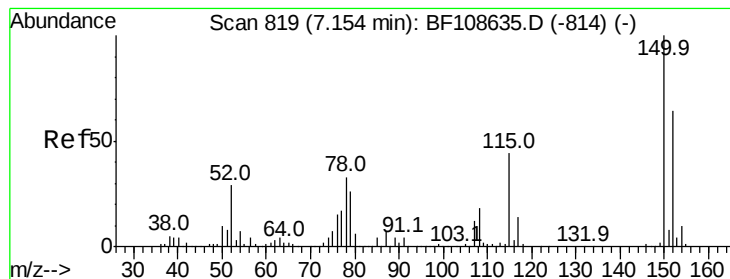
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#14
1,2-Dichlorobenzene
Concen: 33.162 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.6	75.8
111	42.3	36.0	54.0





#15

Benzyl Alcohol

Concen: 28.282 ng

RT: 7.16 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

ClientSampleID :

CG-SOIL-1MSD

Tot Ion: 79 Resp: 136913

Ion Ratio Lower Upper

79 100

108 76.5 65.1 97.7

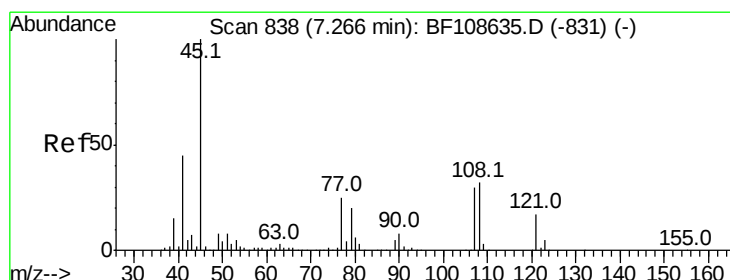
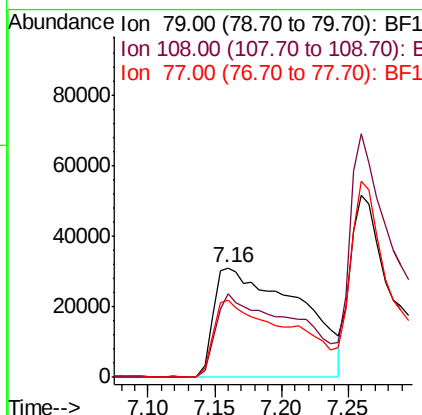
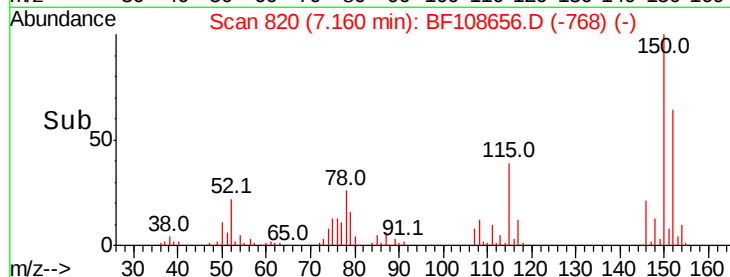
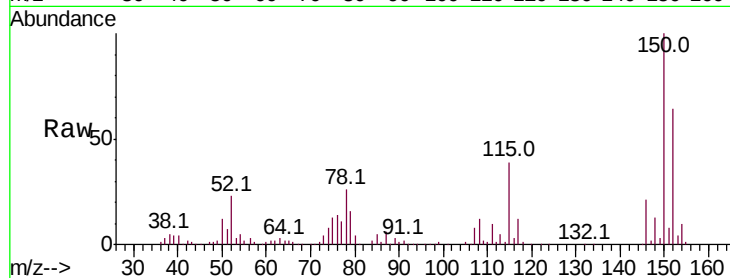
77 70.6 50.6 75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 33.692 ng

RT: 7.27 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

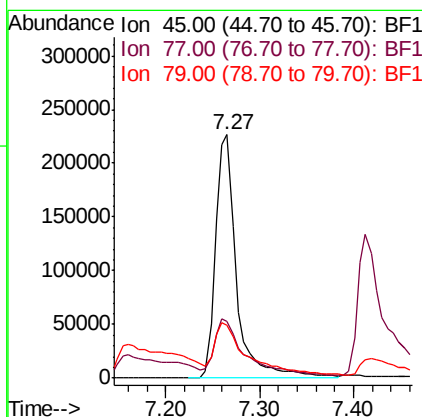
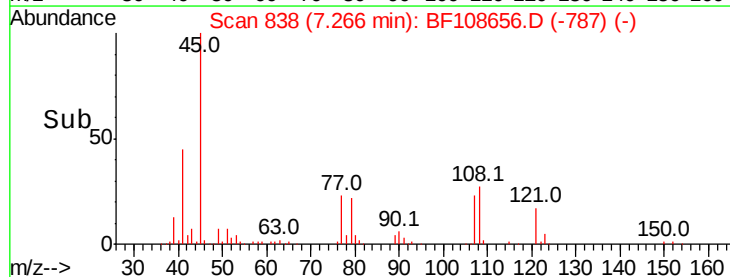
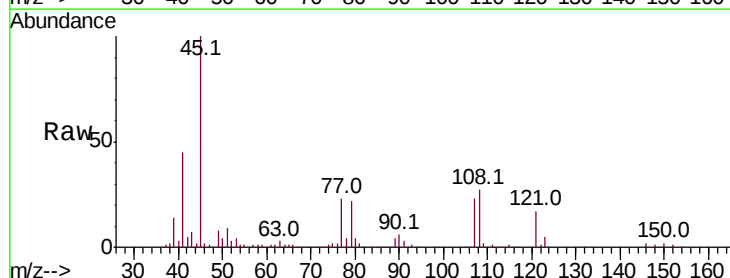
Tgt Ion: 45 Resp: 357175

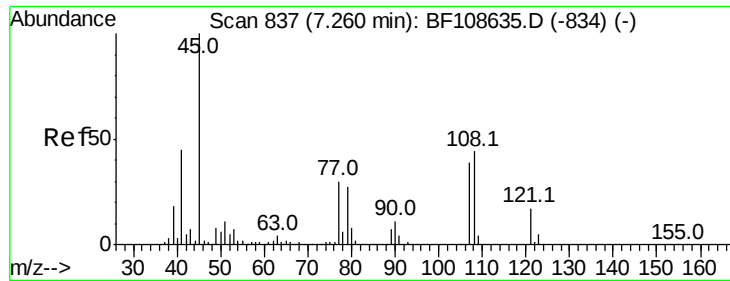
Ion Ratio Lower Upper

45 100

77 23.4 0.0 32.9

79 21.6 0.0 29.6





#17

2-Methylphenol

Concen: 33.412 ng

RT: 7.26 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

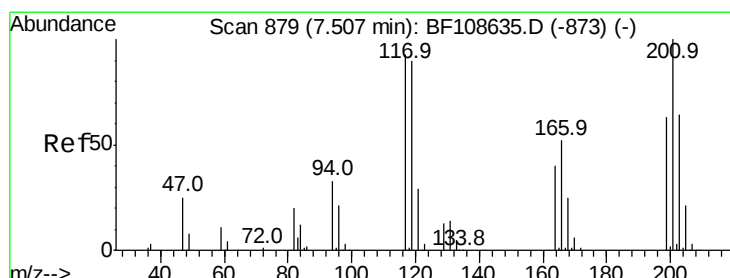
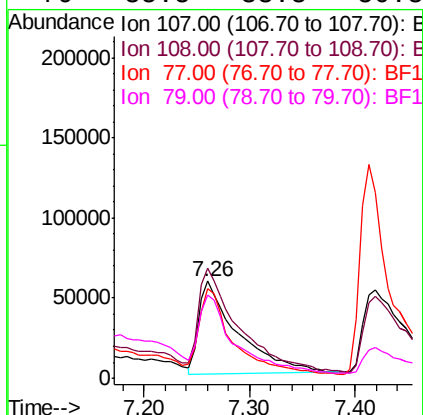
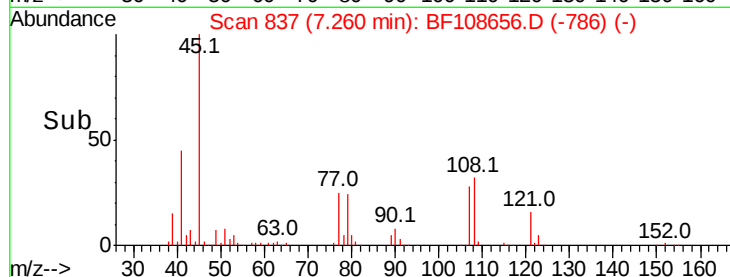
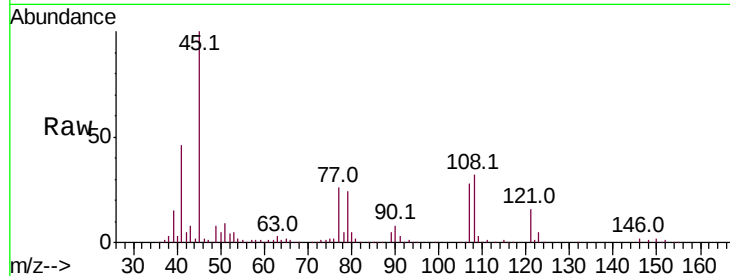
ClientSampleId :

CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.0	91.7	137.5
77	92.0	33.8	50.8#
79	85.5	33.8	50.8#

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#18

Hexachloroethane

Concen: 30.629 ng

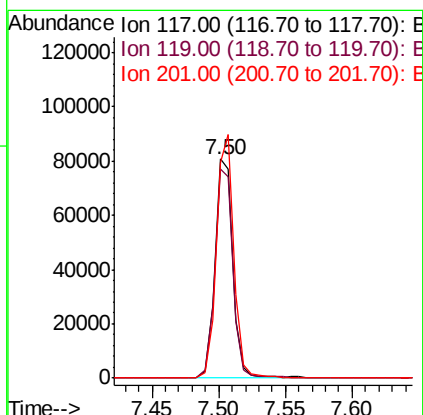
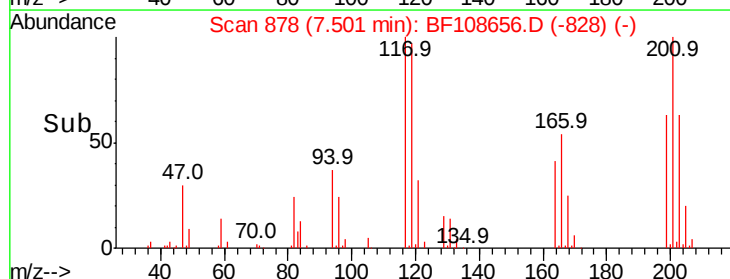
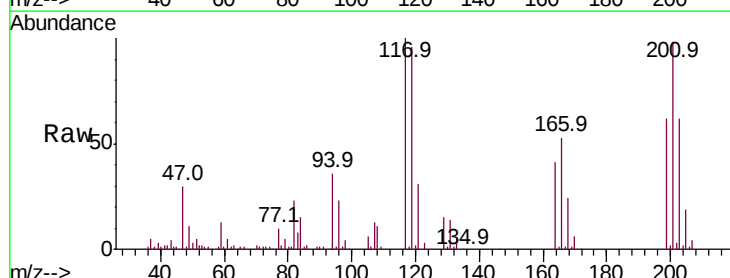
RT: 7.50 min Scan# 878

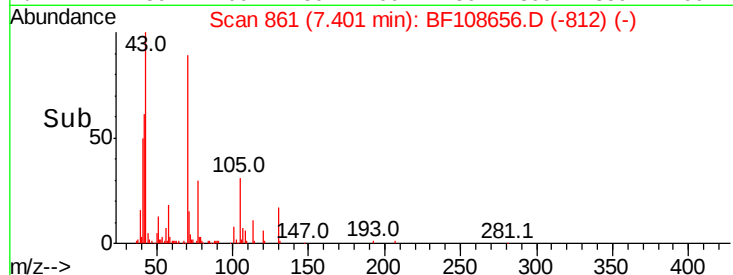
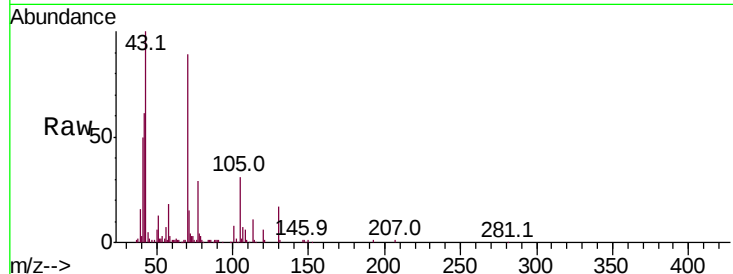
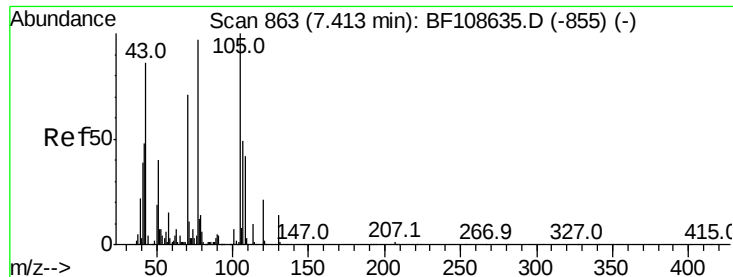
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	98.1	75.7	113.5





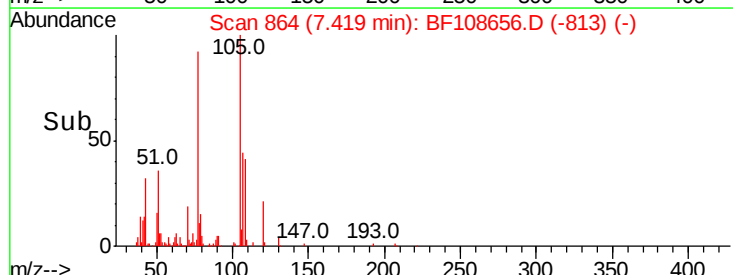
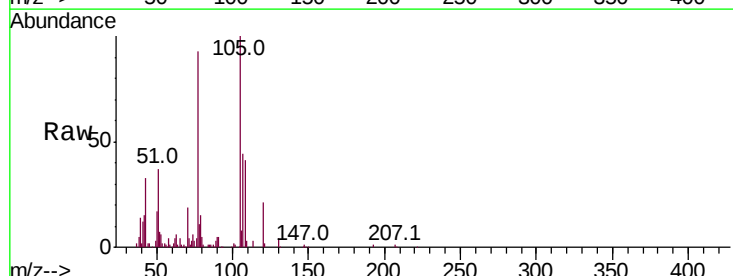
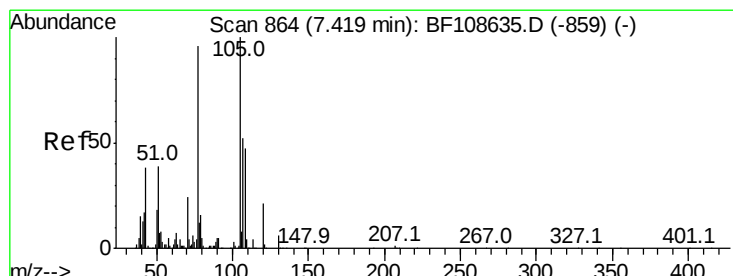
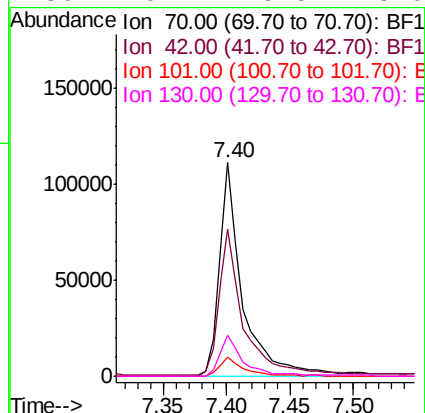
#19
n-Nitroso-di-n-propylamine
Concen: 31.717 ng
RT: 7.40 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	69.1	47.5	71.3	
101	9.0	7.4	11.2	
130	19.4	16.6	25.0	

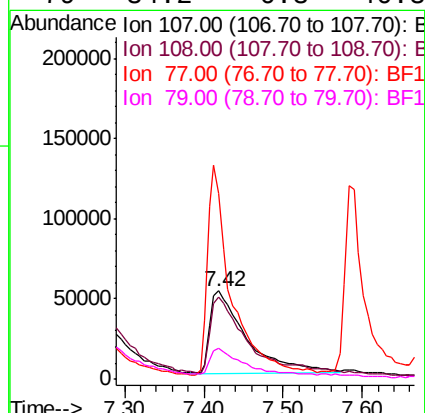
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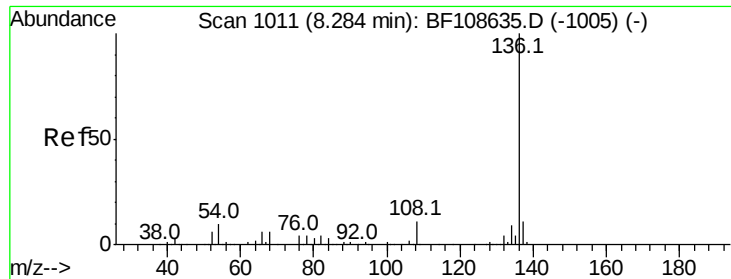
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#20
3+4-Methylphenols
Concen: 30.469 ng
RT: 7.42 min Scan# 864
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.5	68.2	108.2	
77	210.7	26.7	66.7#	
79	34.2	6.3	46.3	





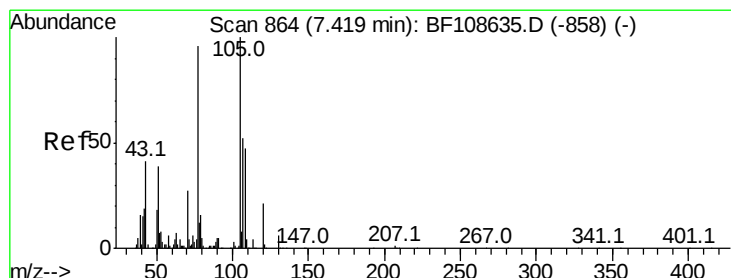
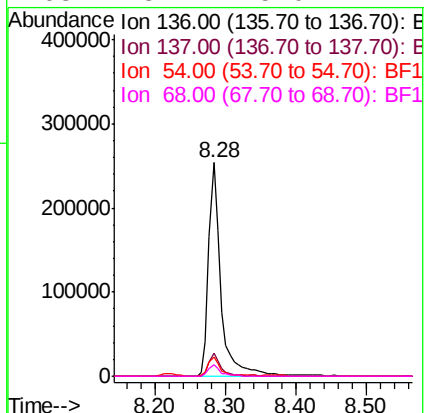
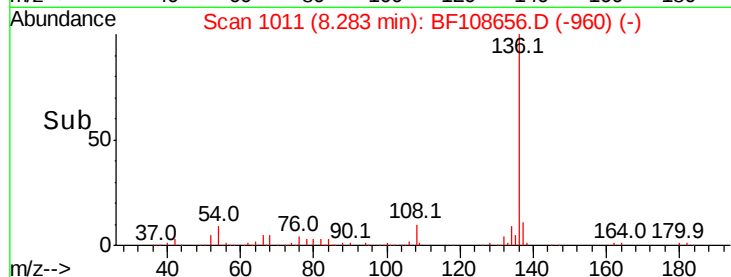
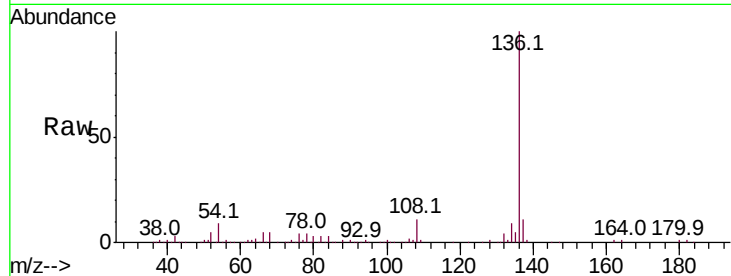
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	9.1	6.6	9.8	
68	5.1	5.0	7.4	

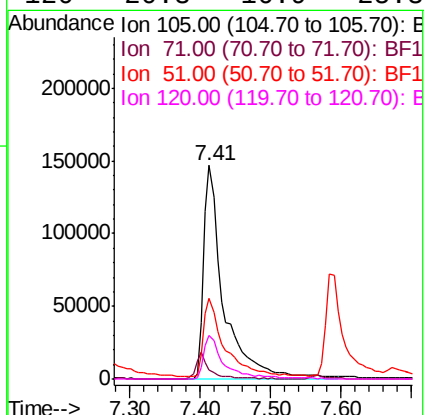
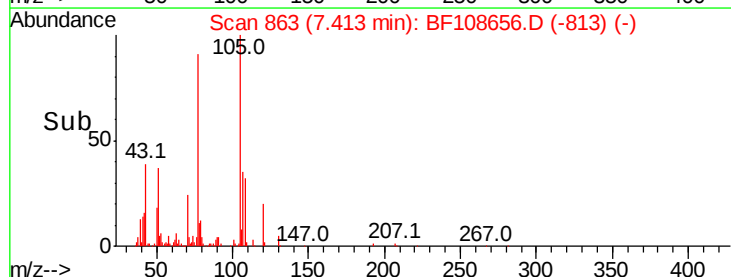
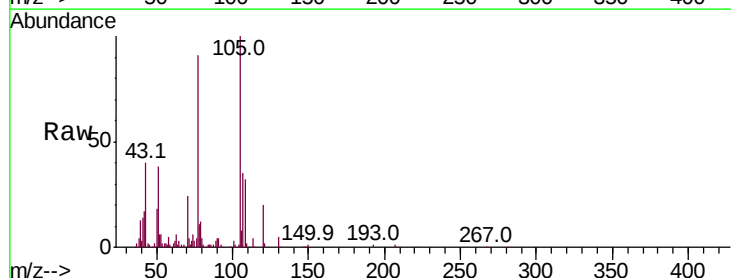
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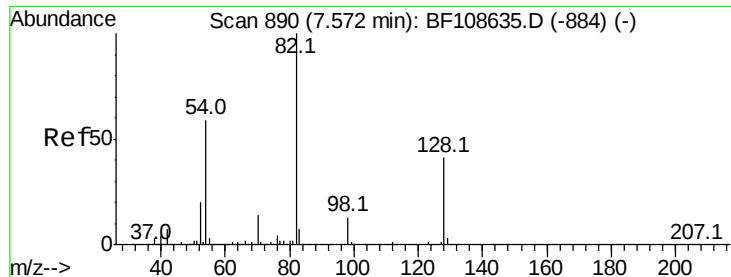
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#22
Acetophenone
Concen: 37.757 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.2	4.4	6.6#	
51	37.9	22.3	33.5#	
120	20.3	16.9	25.3	





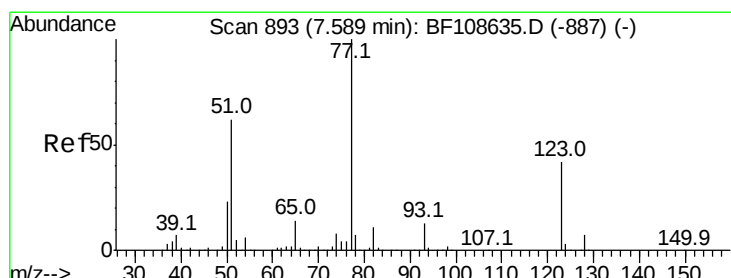
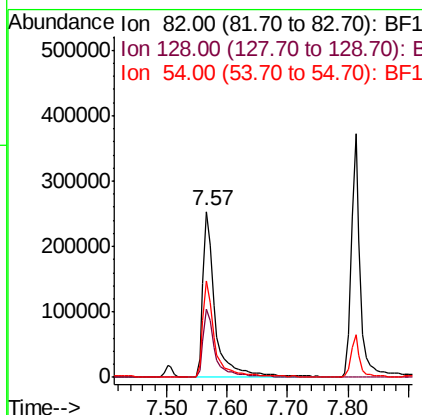
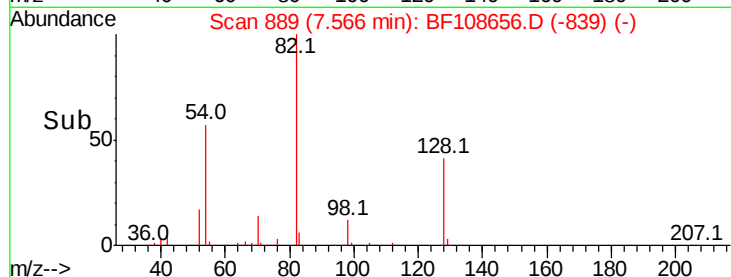
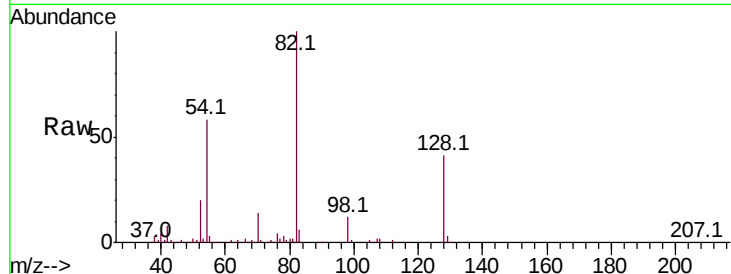
#23
Nitrobenzene-d5
Concen: 59.849 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	36.1	54.1	
54	58.2	41.4	62.2	

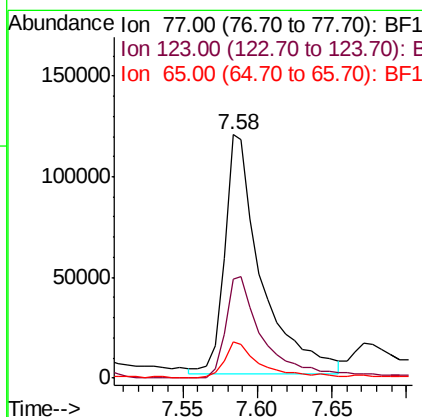
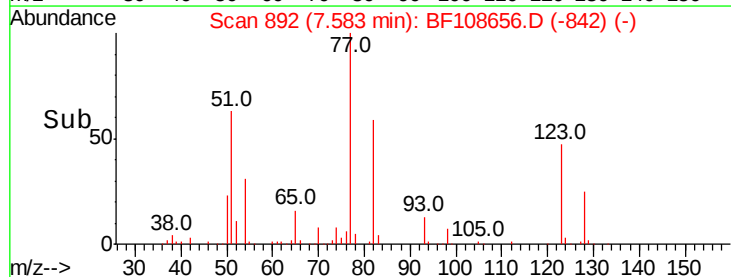
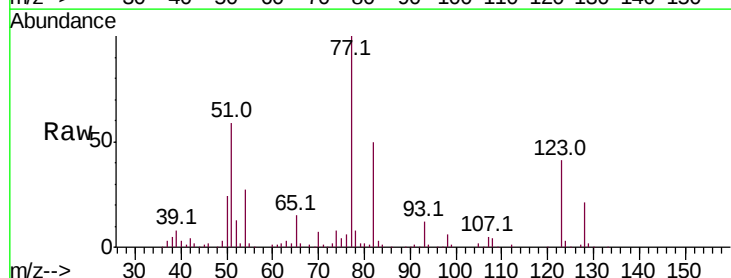
Manual Integrations
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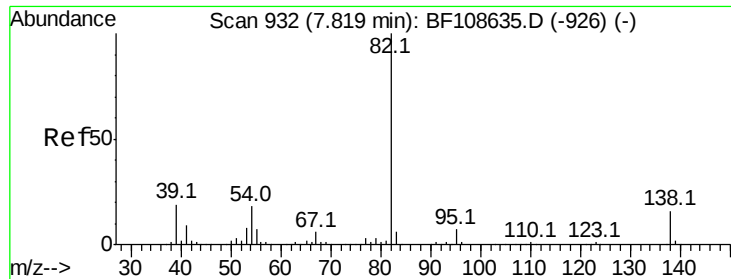
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#24
Nitrobenzene
Concen: 33.271 ng
RT: 7.58 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	40.9	37.9	56.9	
65	14.9	11.0	16.4	





#25

Isophorone

Concen: 37.239 ng

RT: 7.81 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

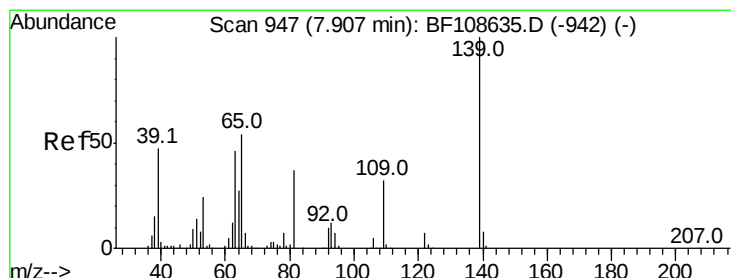
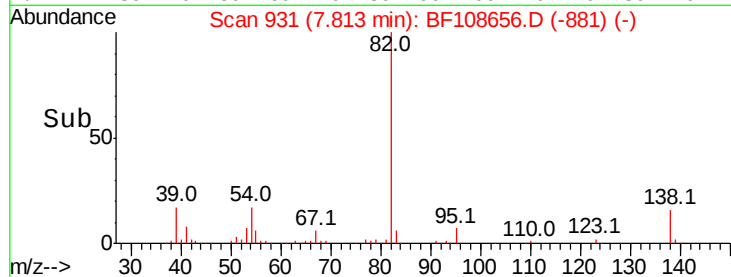
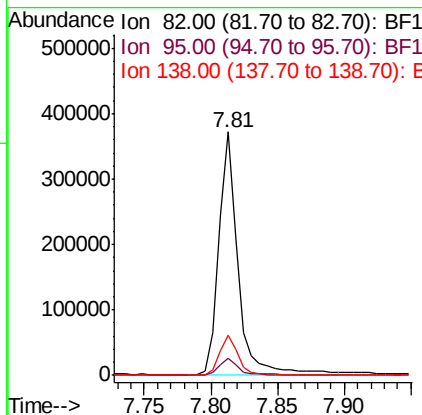
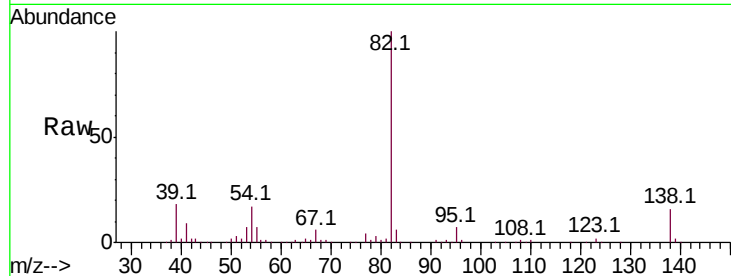
ClientSampleId :

CG-SOIL-1MSD

Tot Ion:	82	Resp:	378574
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	16.4	14.9	22.3

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#26

2-Nitrophenol

Concen: 33.441 ng

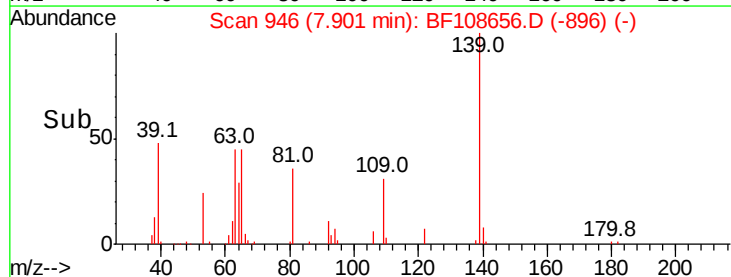
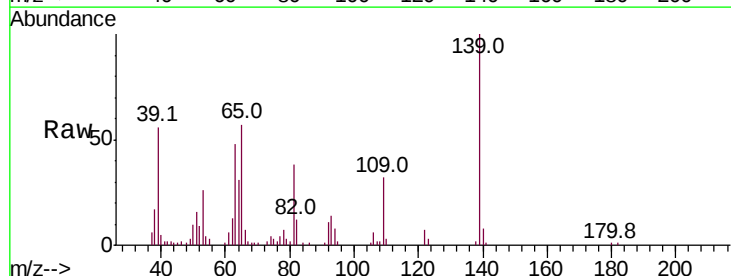
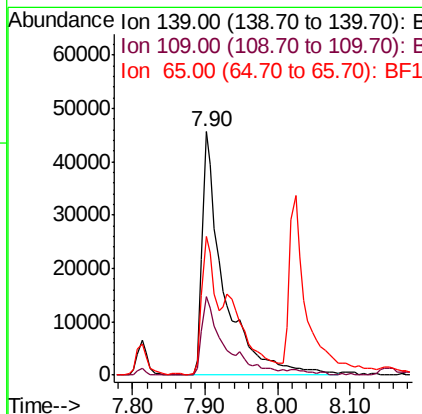
RT: 7.90 min Scan# 946

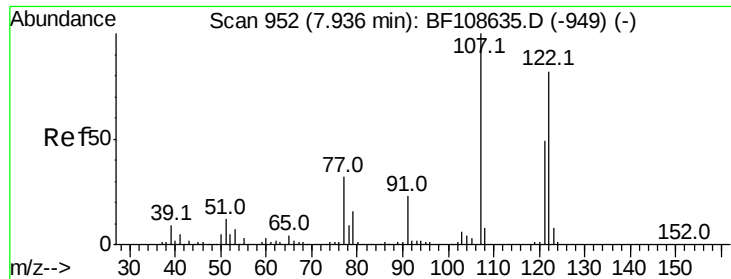
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion:	139	Resp:	93939
Ion Ratio	Lower	Upper	
139	100		
109	32.0	22.7	34.1
65	56.7	40.5	60.7





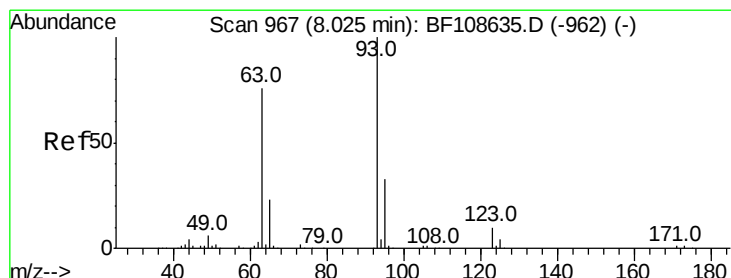
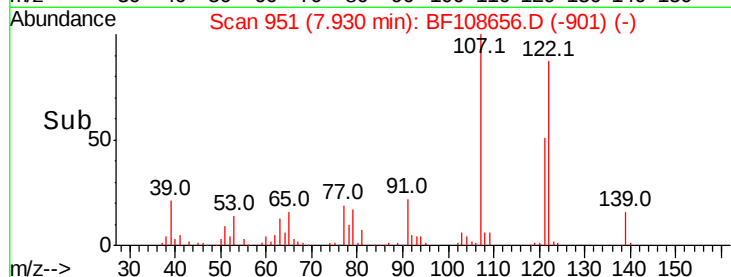
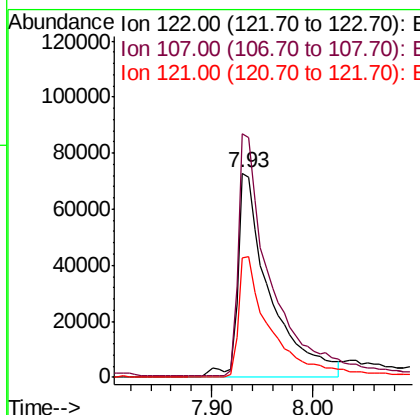
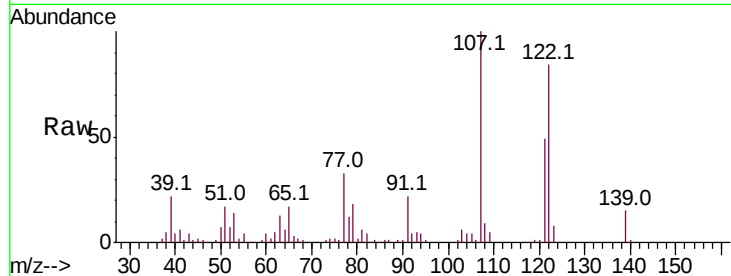
#27
2,4-Dimethylphenol
Concen: 39.406 ng
RT: 7.93 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	160988		
107	119.0	91.2	136.8	
121	58.5	47.2	70.8	

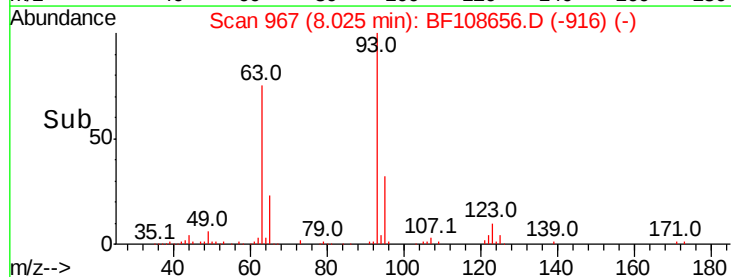
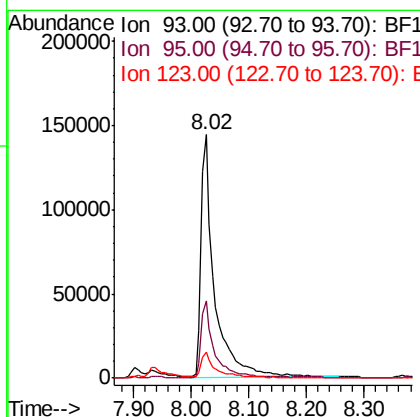
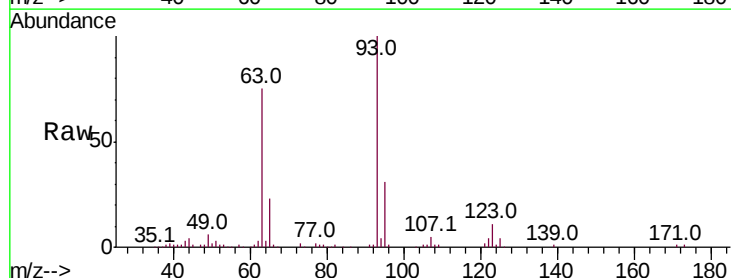
Manual Integrations
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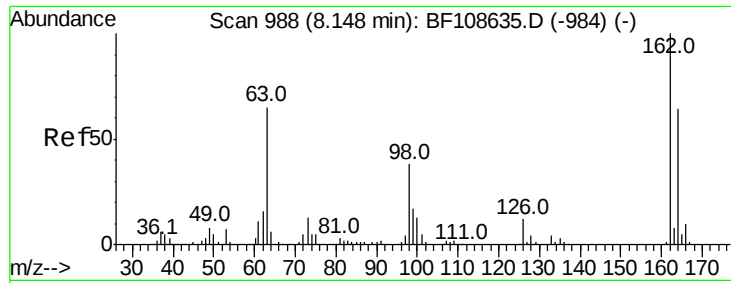
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 36.838 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	236573		
95	31.5	26.3	39.5	
123	10.6	9.8	14.6	





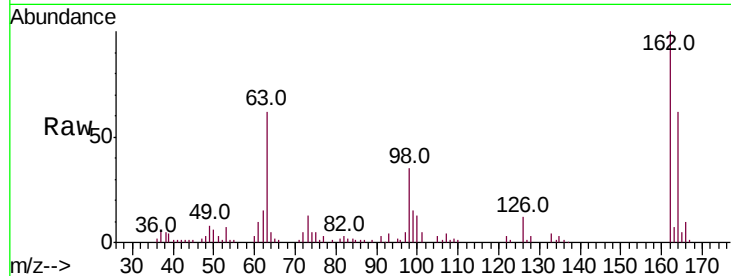
#29
2,4-Dichlorophenol
Concen: 34.100 ng
RT: 8.15 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

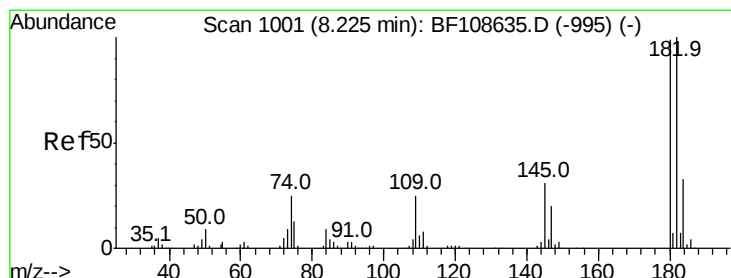
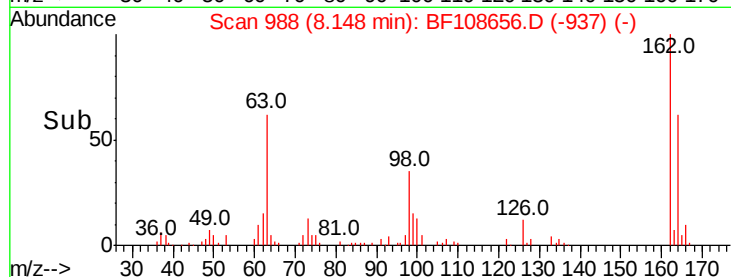
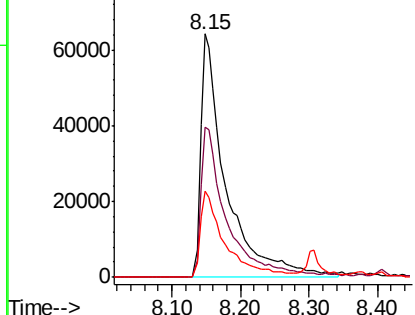
Tot Ion:	162	Resp:	165273
Ion Ratio	Lower	Upper	
162	100		
164	61.5	42.7	82.7
98	35.4	18.1	58.1

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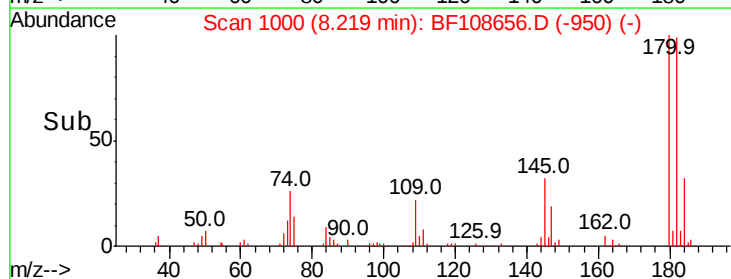
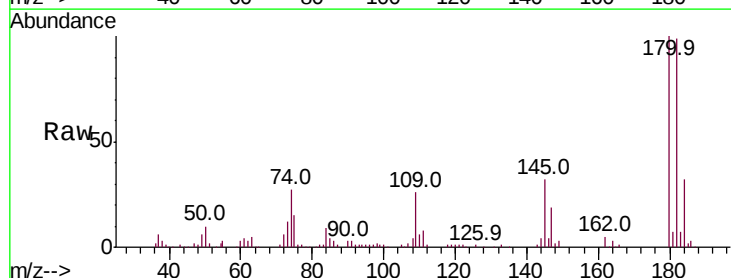
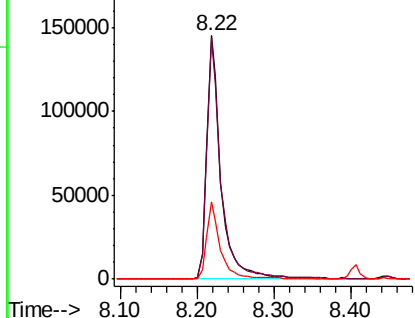
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

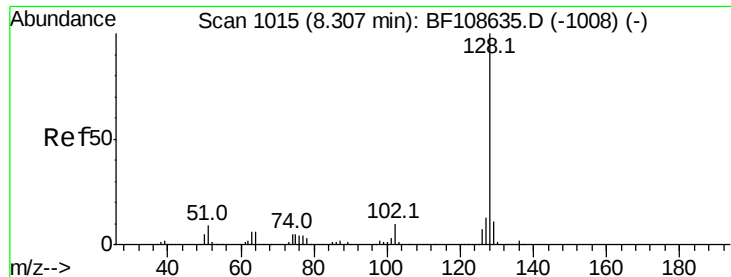


#30
1,2,4-Trichlorobenzene
Concen: 34.506 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion:	180	Resp:	187017
Ion Ratio	Lower	Upper	
180	100		
182	99.3	76.8	115.2
145	31.7	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





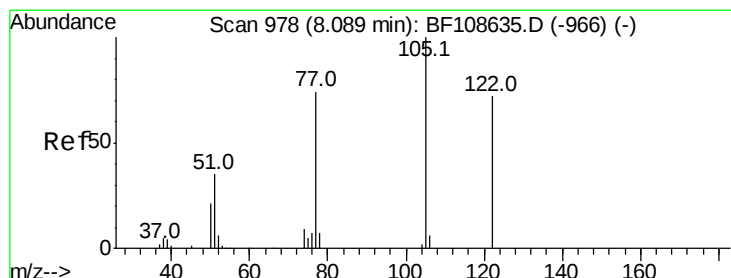
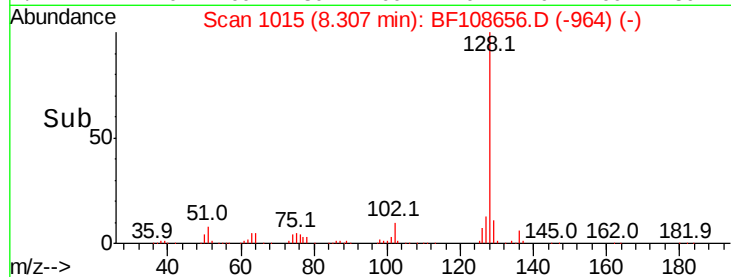
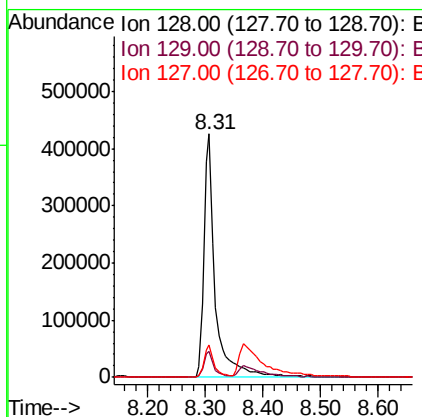
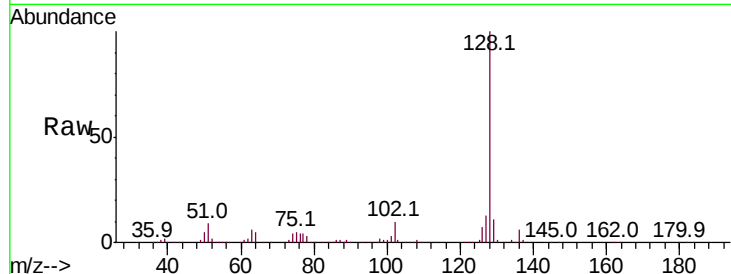
#31
Naphthalene
Concen: 40.286 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.8	13.2	
127	13.4	10.9	16.3	

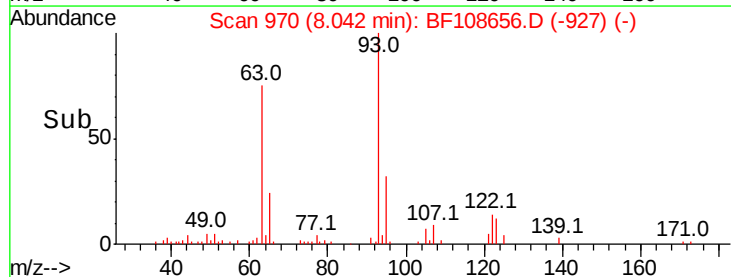
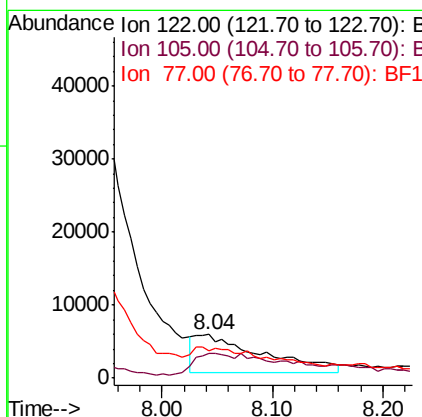
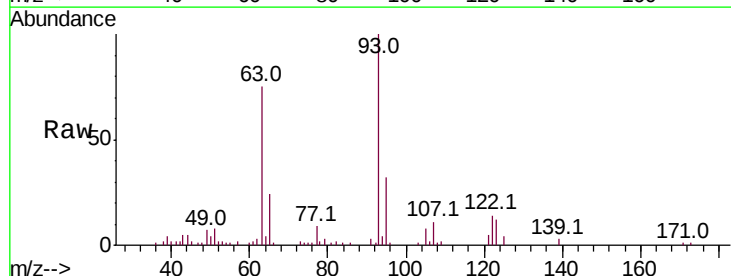
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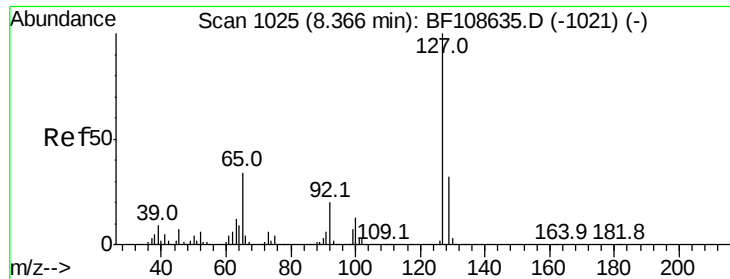
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#32
Benzoic acid
Concen: 8.304 ng m
RT: 8.04 min Scan# 970
Delta R.T. -0.05 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	58.1	101.1	141.1#	
77	62.8	70.7	110.7#	





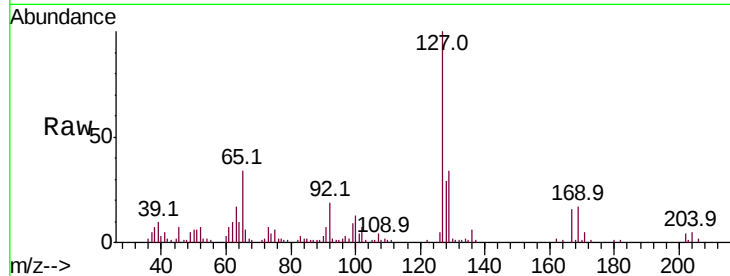
#33
4-Chloroaniline
Concen: 27.568 ng
RT: 8.37 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.8	25.9	38.9	
65	33.7	25.0	37.4	
92	19.5	15.2	22.8	

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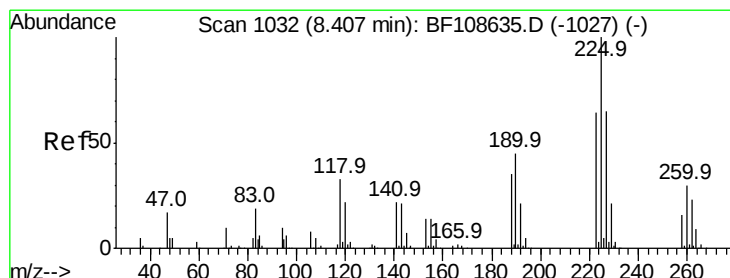
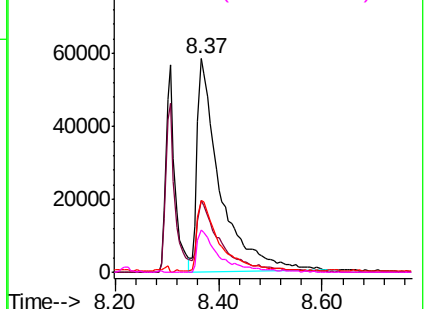
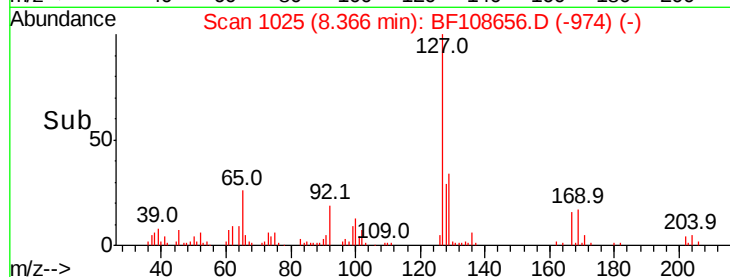
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

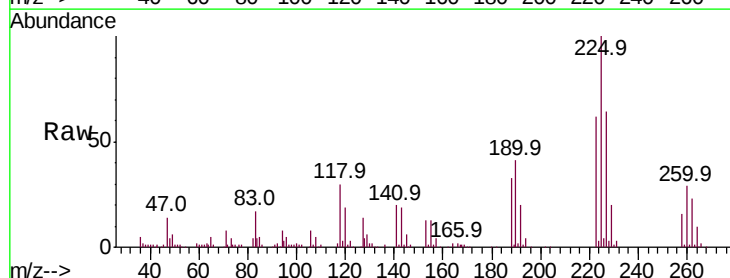
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 34.001 ng
RT: 8.41 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	50.6	76.0	
227	63.8	51.9	77.9	

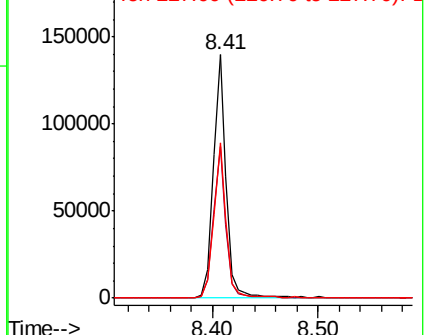
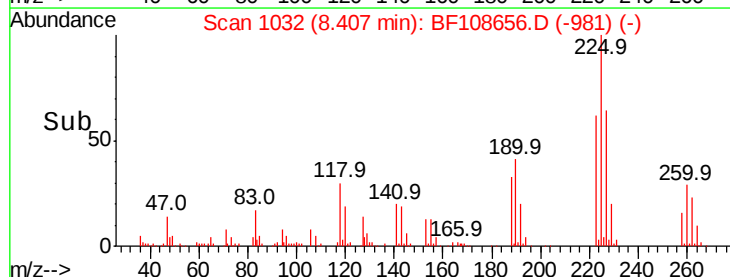


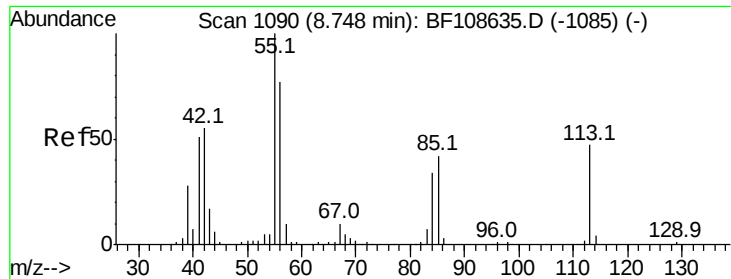
Abundance

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: 30.548 ng

RT: 8.72 min Scan# 1085

Delta R.T. -0.03 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

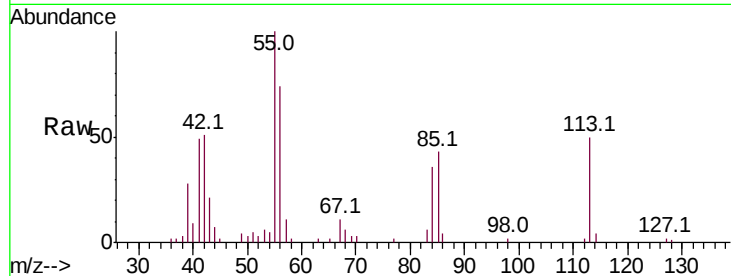
ClientSampleId :

CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	200.9	163.3	203.3
56	149.3	115.7	155.7

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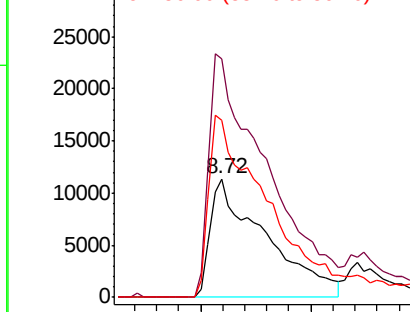


Abundance

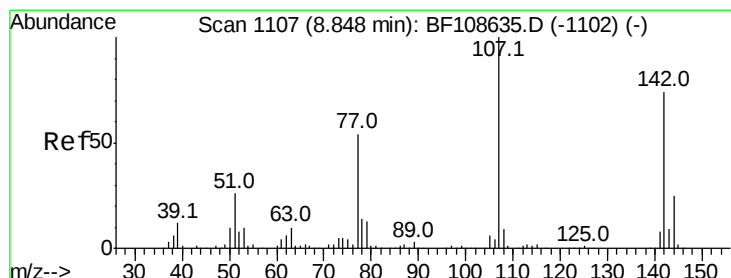
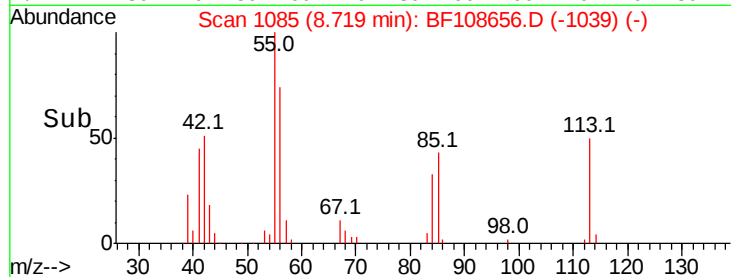
Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



Time-->



#36

4-Chloro-3-methylphenol

Concen: 32.156 ng

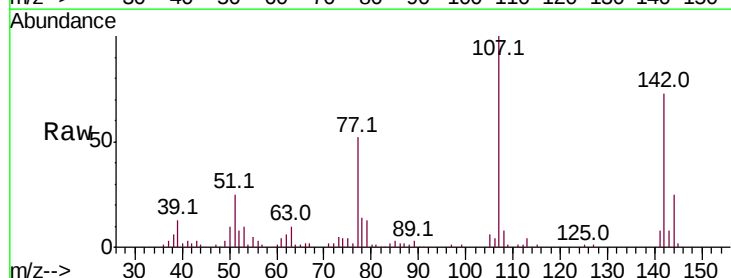
RT: 8.84 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.5	30.7
142	73.3	62.0	93.0

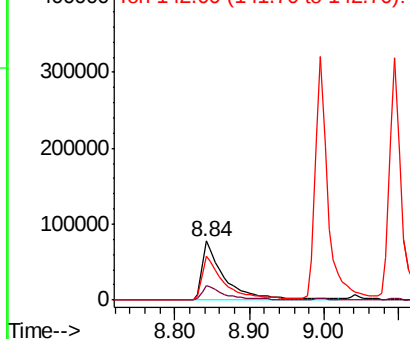


Abundance

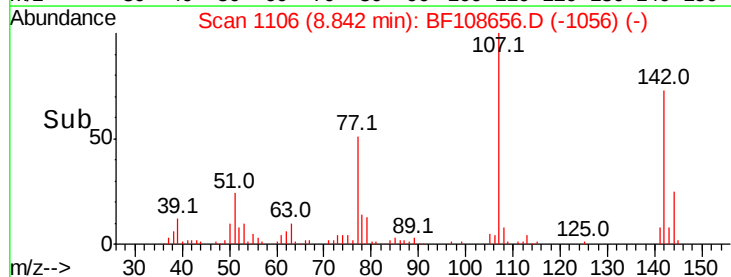
Ion 107.00 (106.70 to 107.70): E

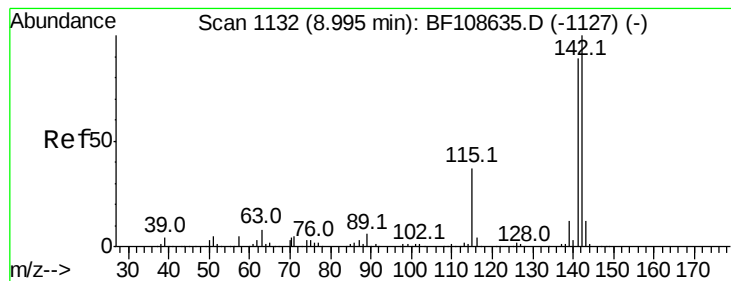
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->





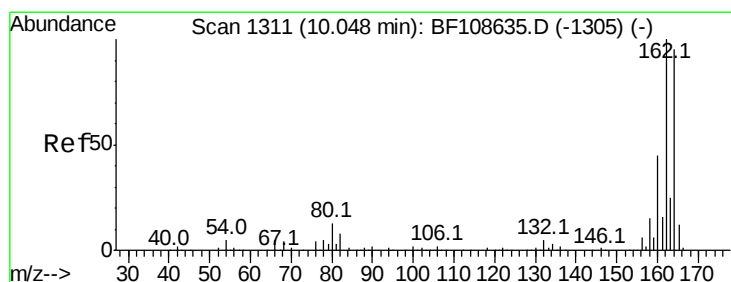
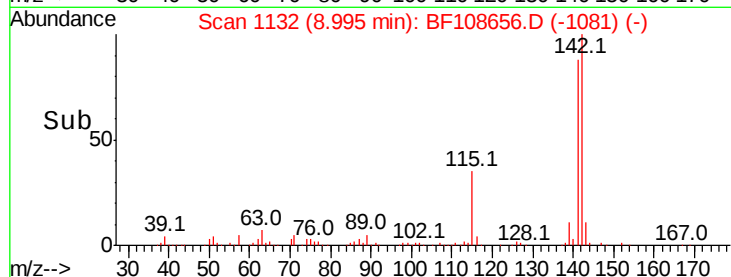
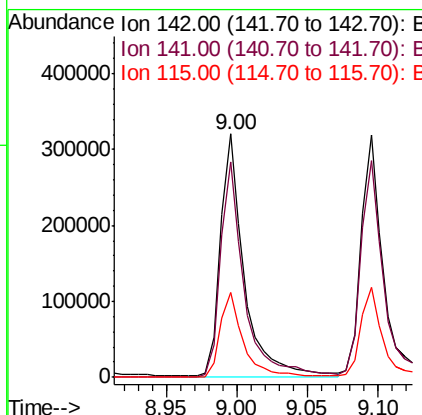
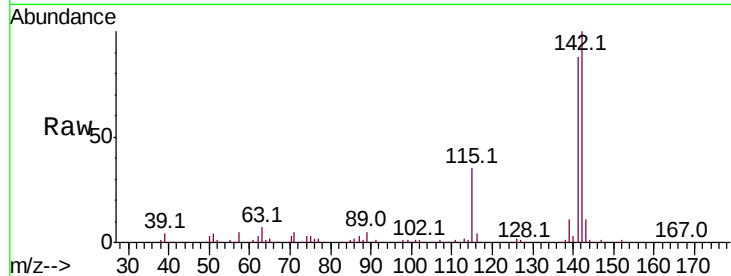
#37
2-Methylnaphthalene
Concen: 37.806 ng
RT: 9.00 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2
115	35.0	26.1	39.1

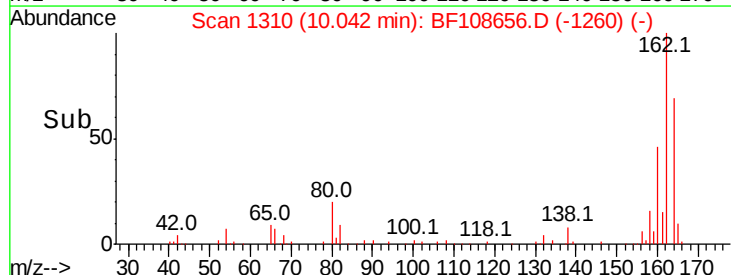
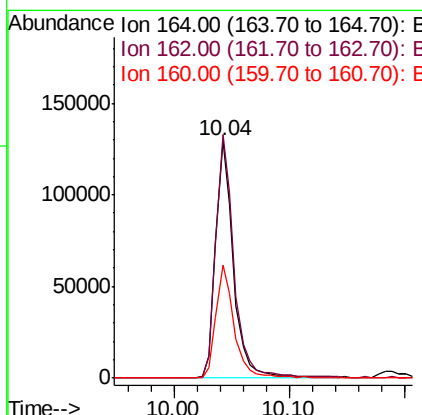
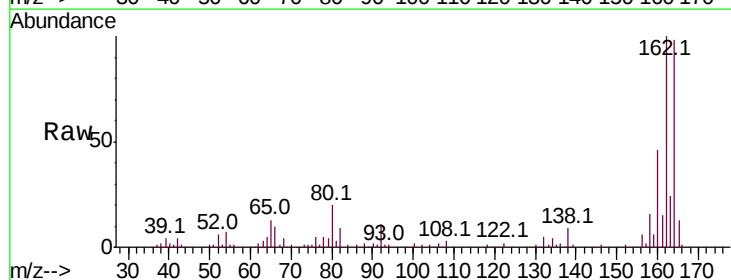
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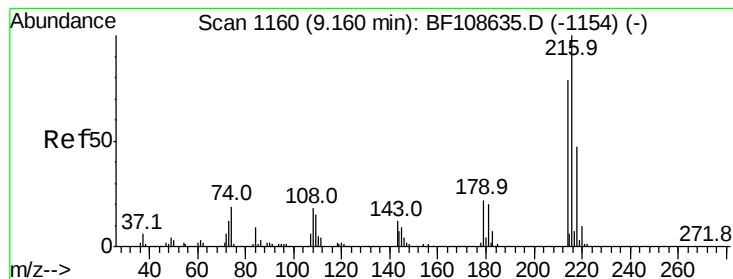
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	47.4	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.747 ng

RT: 9.16 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

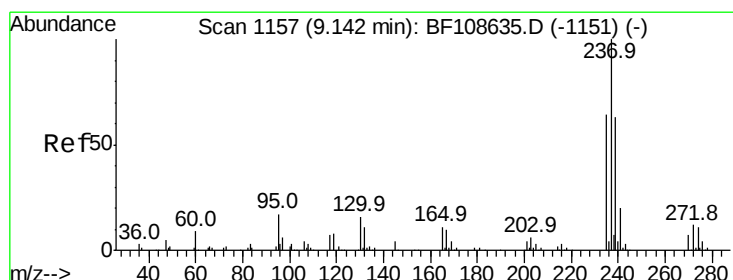
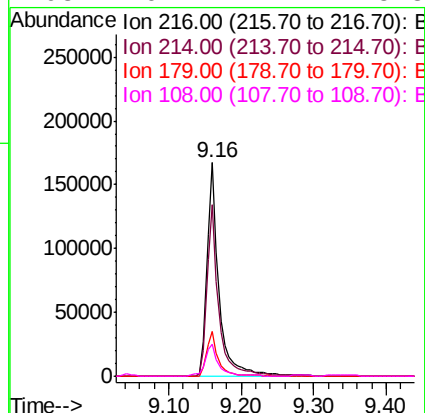
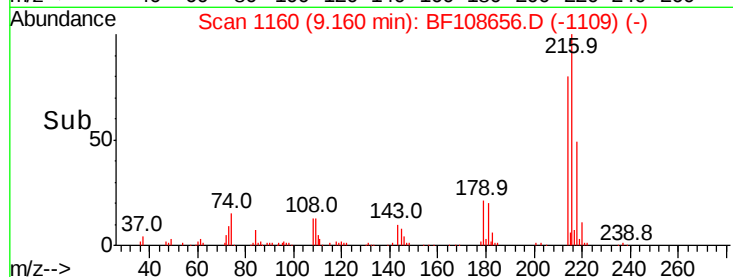
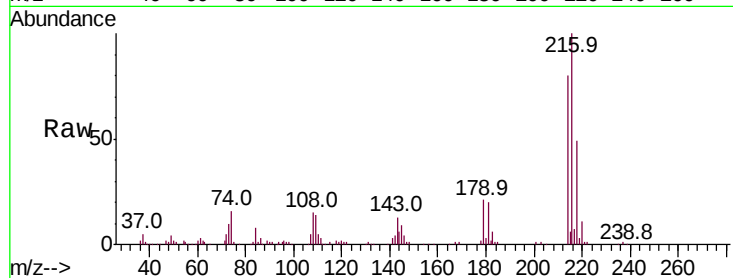
ClientSampleId :

CG-SOIL-1MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	78.7	63.0	94.4
179	20.3	18.1	27.1
108	16.7	17.2	25.8#

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#40

Hexachlorocyclopentadiene

Concen: 26.145 ng

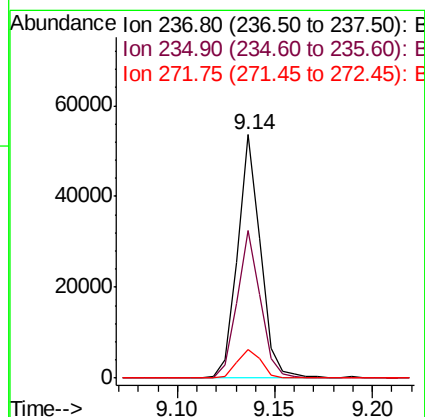
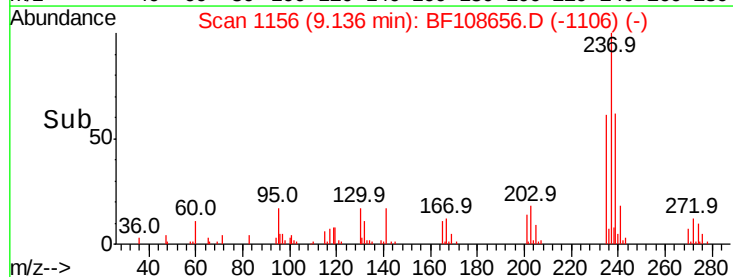
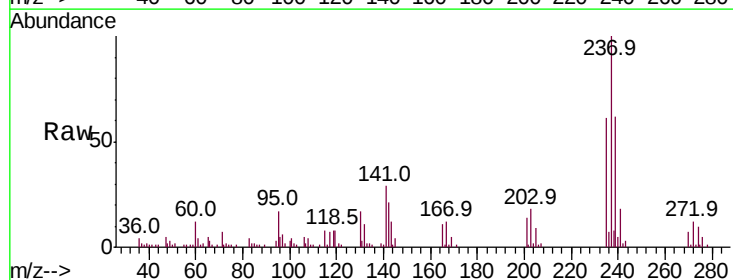
RT: 9.14 min Scan# 1156

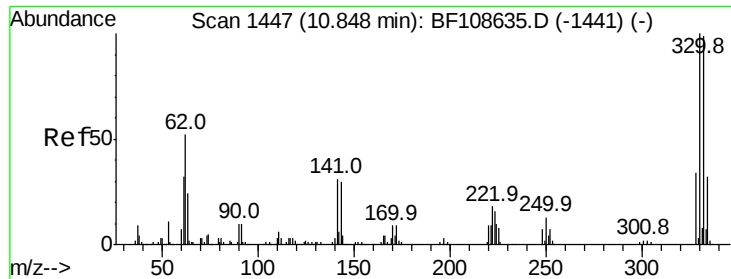
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	60.9	44.8	84.8
272	11.8	0.0	33.3





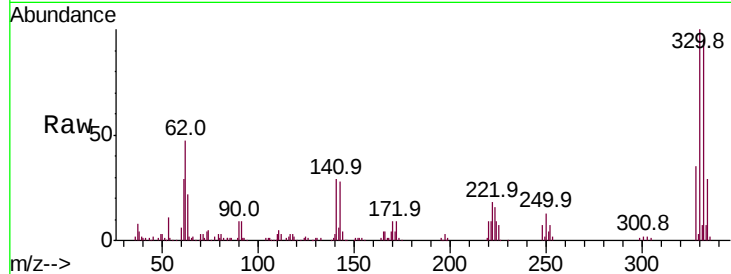
#41
 2,4,6-Tribromophenol
 Concen: 79.348 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.0	115.6	
141	33.6	29.9	44.9	

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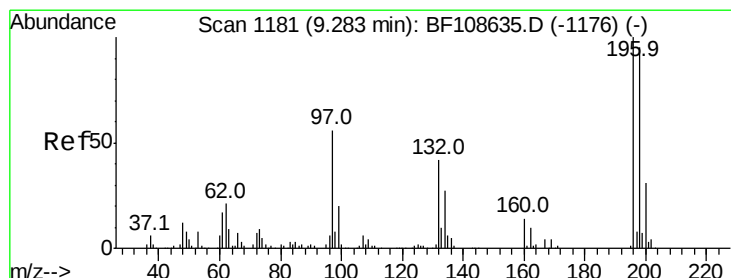
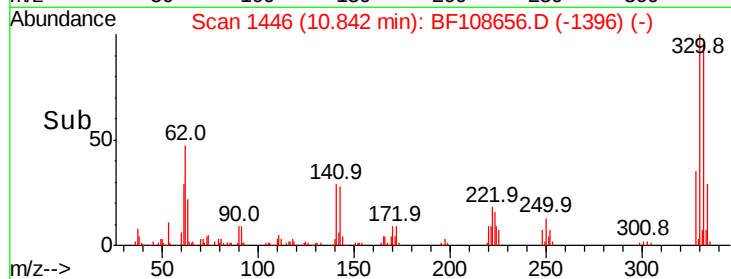
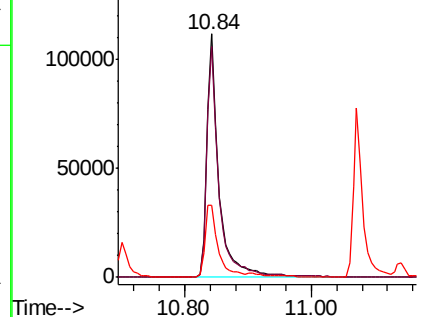


Abundance

Ion 329.80 (329.50 to 330.50): E

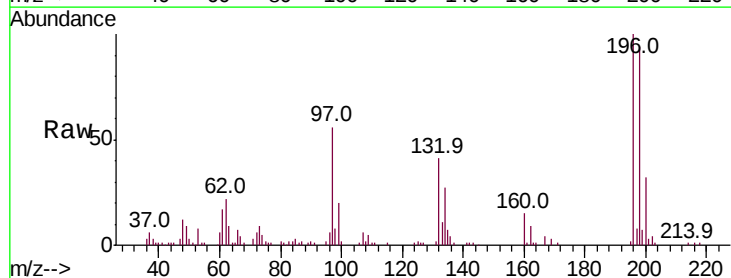
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 36.230 ng
 RT: 9.28 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.1	75.7	113.5	
200	31.5	24.5	36.7	

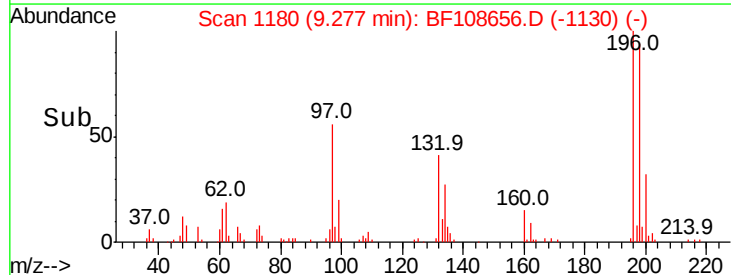
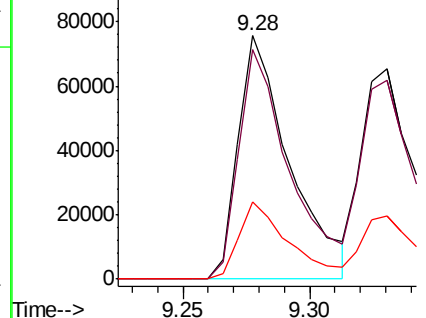


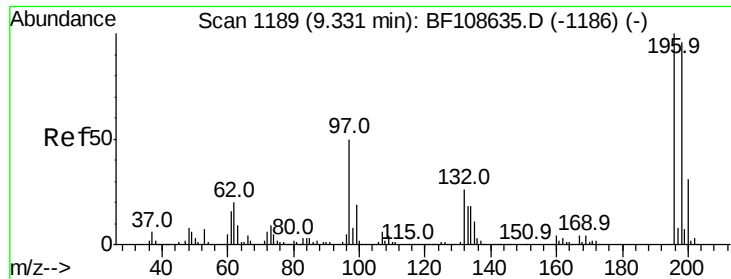
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





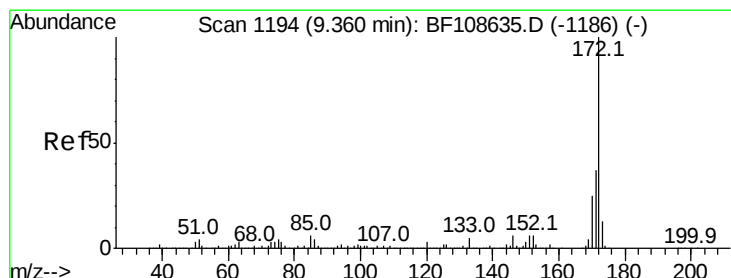
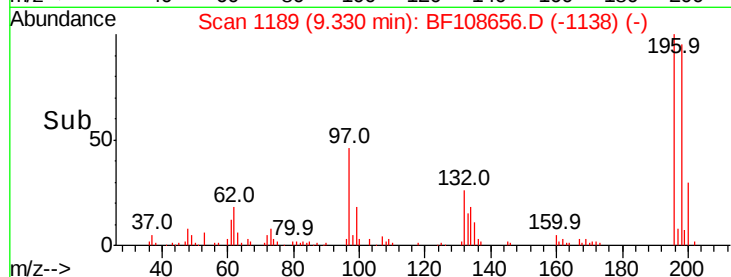
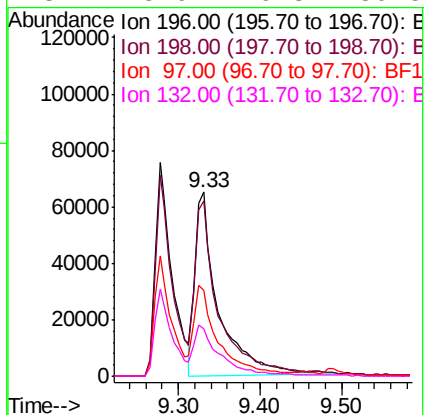
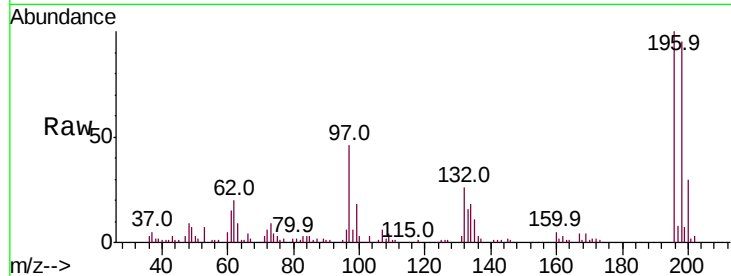
#43
 2,4,5-Trichlorophenol
 Concen: 37.760 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	129687		
198	95.0	74.6	112.0	
97	46.4	42.9	64.3	
132	25.9	26.3	39.5	

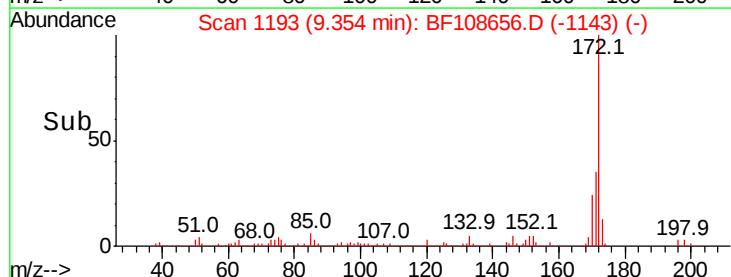
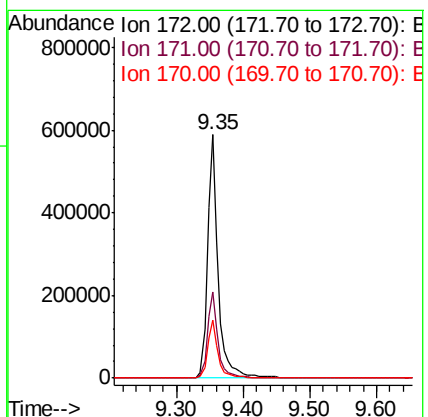
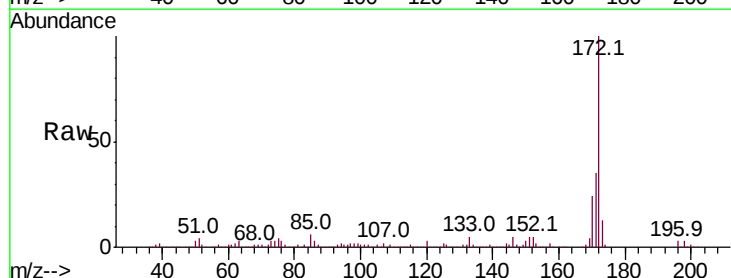
Manual Integrations
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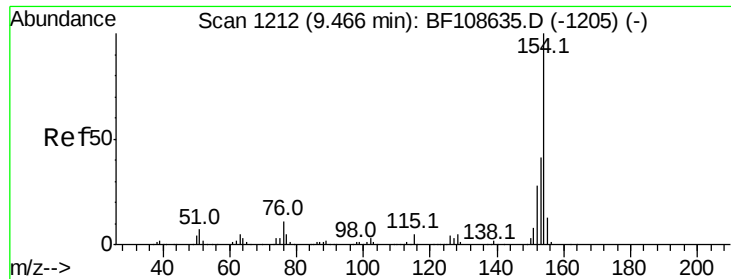
Sohil
 8/31/2018 12:18:29 PM



#44
 2-Fluorobiphenyl
 Concen: 62.461 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	650789		
171	35.2	29.7	44.5	
170	23.8	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 37.653 ng

RT: 9.46 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

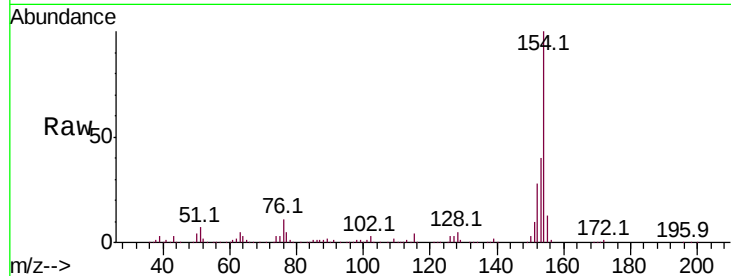
ClientSampleId :

CG-SOIL-1MSD

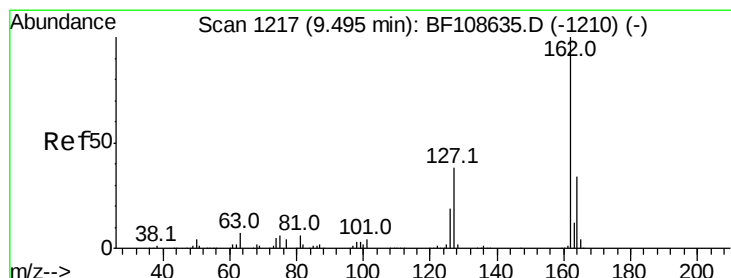
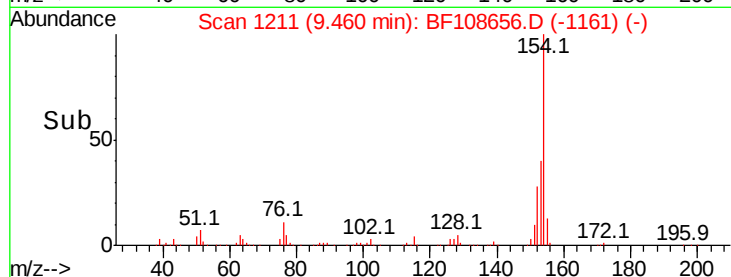
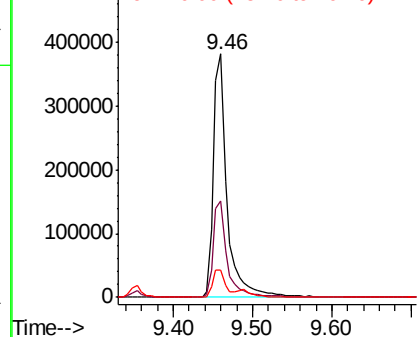
Tot Ion:	154	Resp:	459221
Ion Ratio	Lower	Upper	
154	100		
153	39.8	21.3	61.3
76	11.0	0.0	34.0

Manual Integrations
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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: 36.743 ng

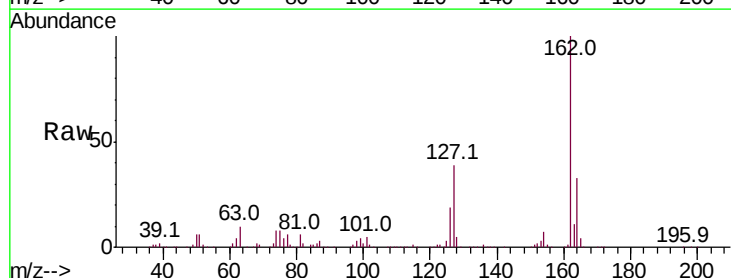
RT: 9.49 min Scan# 1216

Delta R.T. -0.01 min

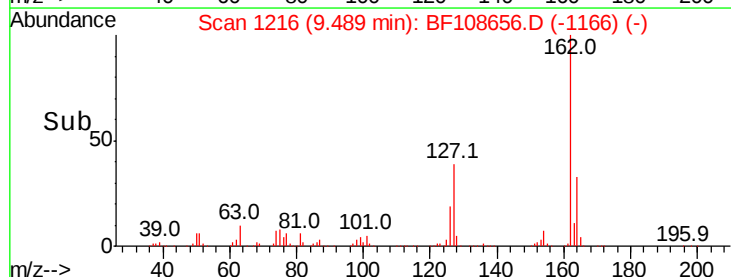
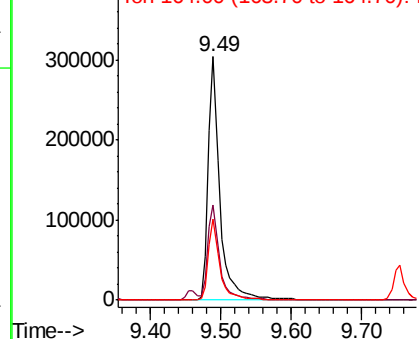
Lab File: BF108656.D

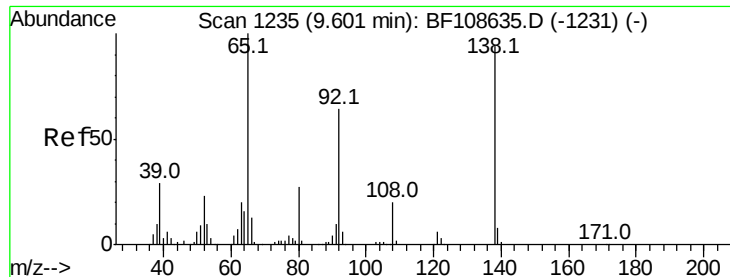
Acq: 30 Aug 2018 22:33

Tgt Ion:	162	Resp:	350820
Ion Ratio	Lower	Upper	
162	100		
127	39.3	33.9	50.9
164	33.1	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





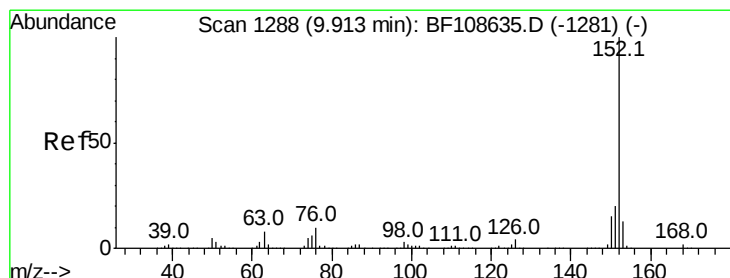
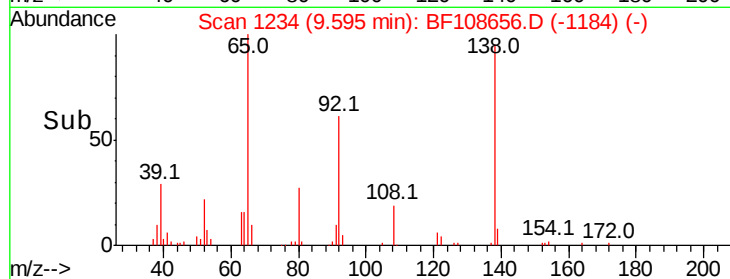
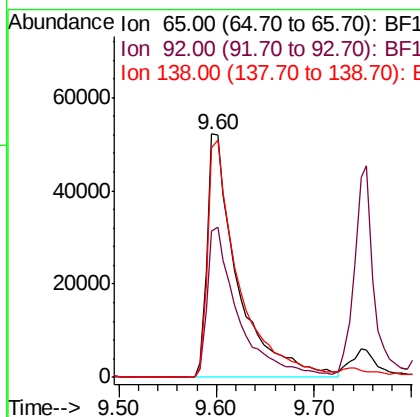
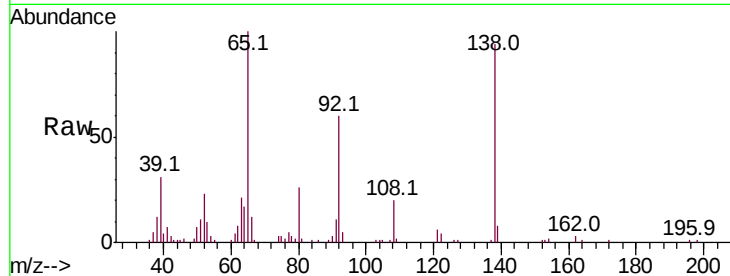
#47
2-Nitroaniline
Concen: 35.406 ng
RT: 9.60 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.3	55.8	83.6
138	94.3	91.2	136.8

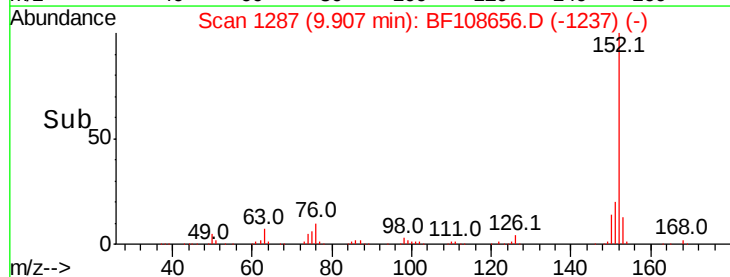
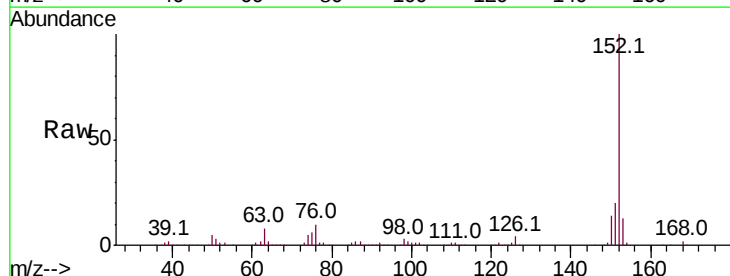
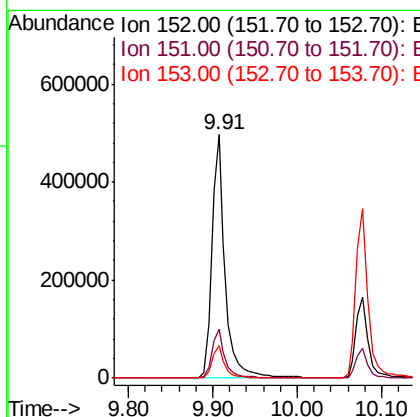
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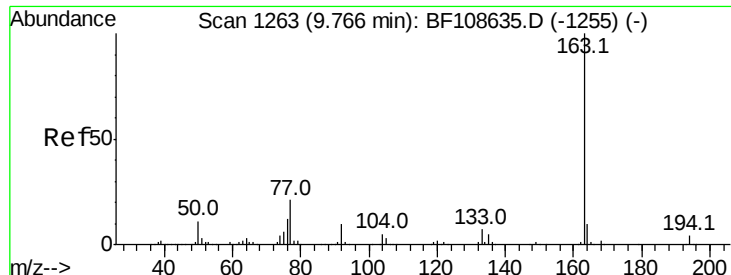
Sohil
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#48
Acenaphthylene
Concen: 39.489 ng
RT: 9.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.2	10.7	16.1





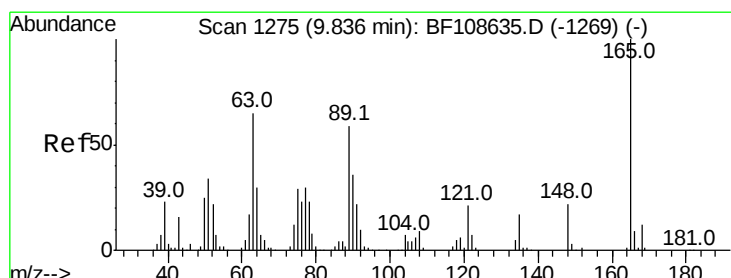
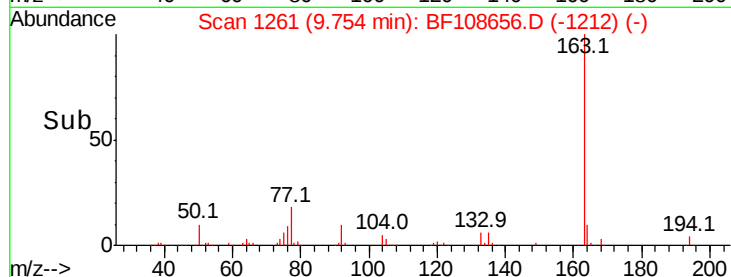
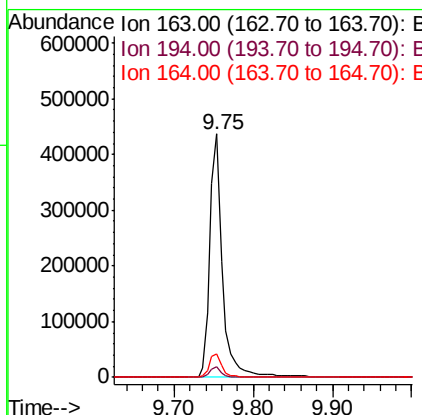
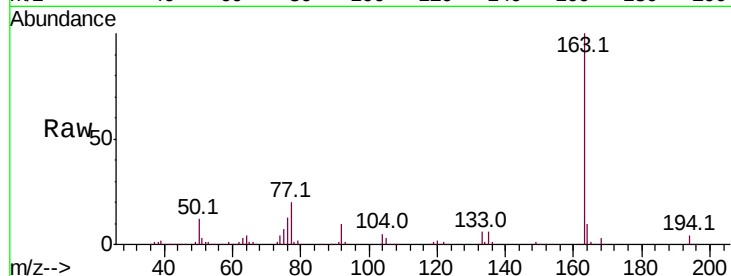
#49
Dimethylphthalate
Concen: 44.090 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.7	4.1#	
164	9.9	8.2	12.2	

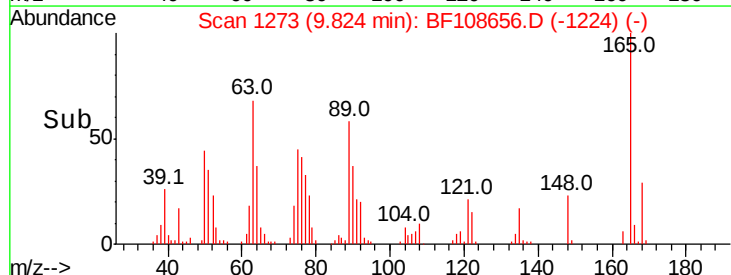
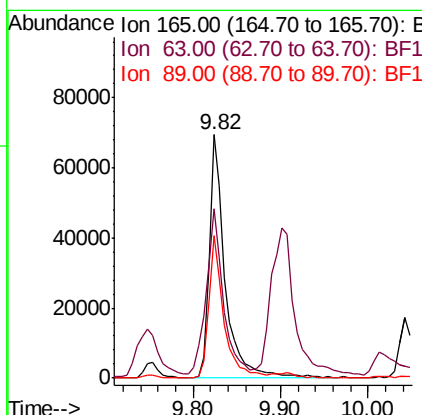
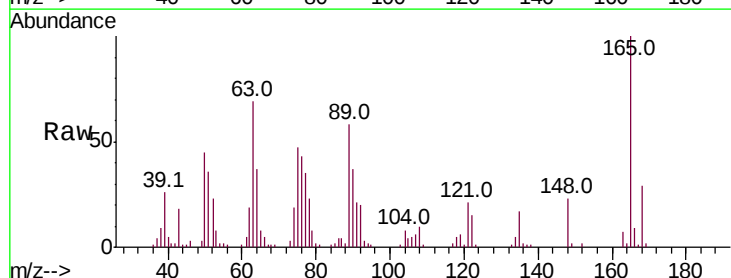
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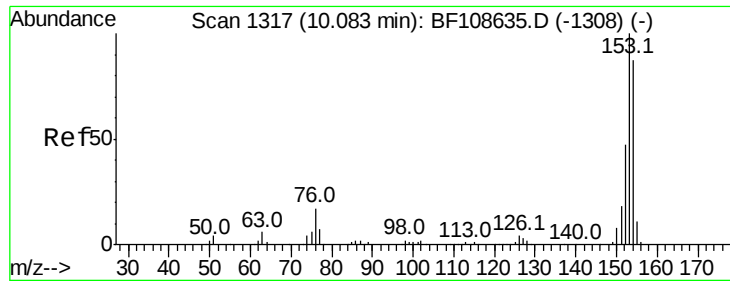
Sohil
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#50
2,6-Dinitrotoluene
Concen: 35.871 ng
RT: 9.82 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	69.3	44.7	67.1#	
89	58.3	44.0	66.0	





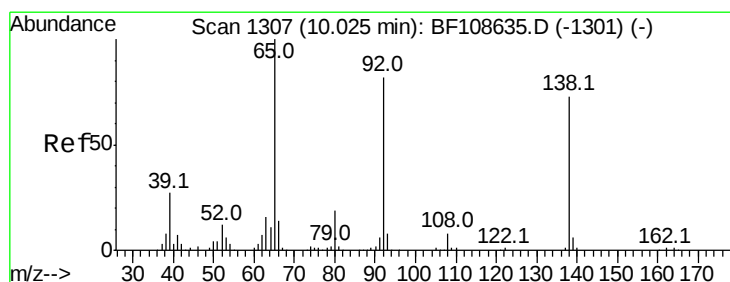
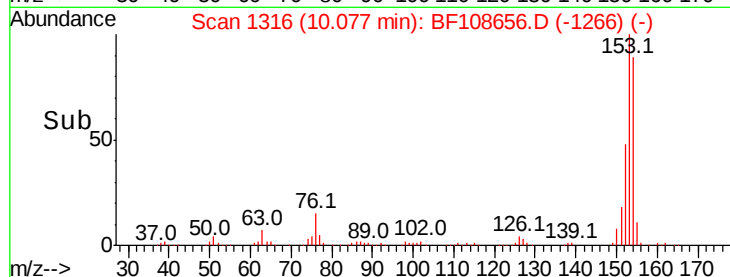
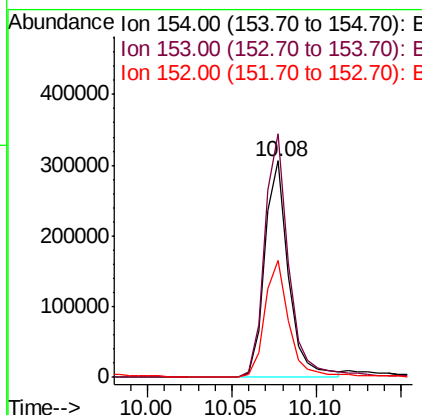
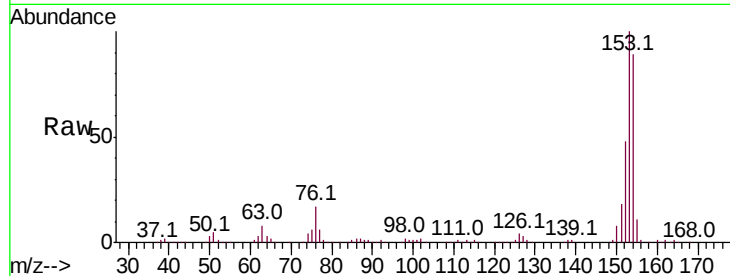
#51
Acenaphthene
Concen: 36.026 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.2	136.8
152	54.1	43.8	65.8

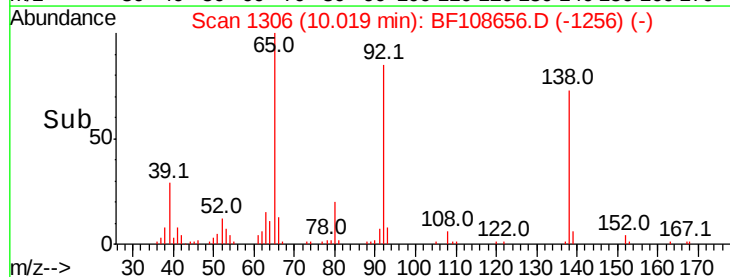
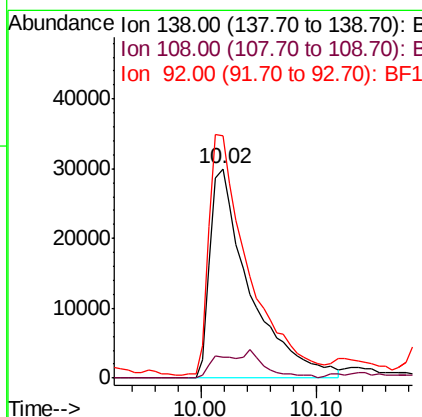
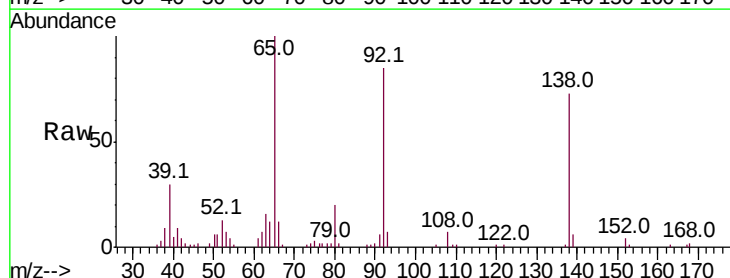
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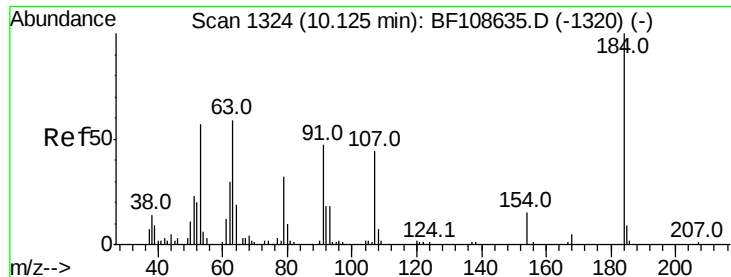
Sohil
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#52
3-Nitroaniline
Concen: 27.361 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.8	9.4	14.0
92	116.0	89.4	134.2





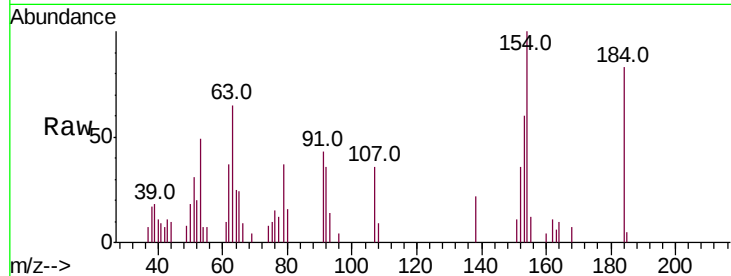
#53
 2,4-Dinitrophenol
 Concen: 23.175 ng
 RT: 10.13 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	78.4	54.2	81.2	
154	120.7	184.0	276.0	#

Manual Integrations
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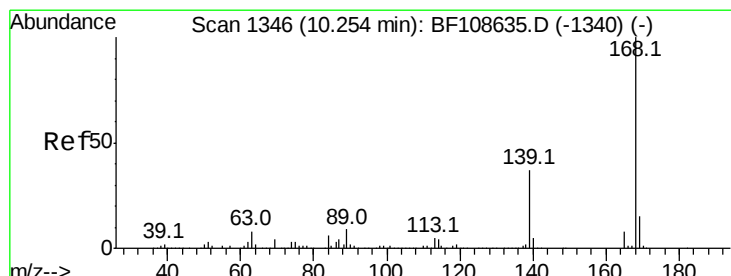
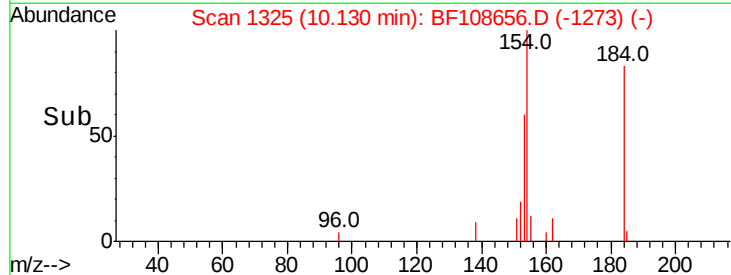
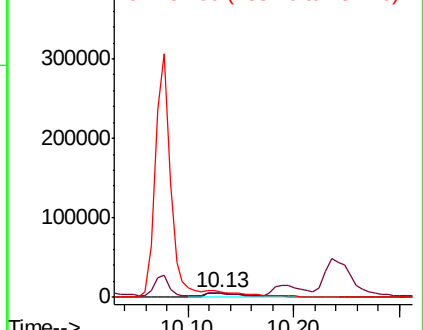


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54
 Dibenzofuran
 Concen: 36.279 ng
 RT: 10.25 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

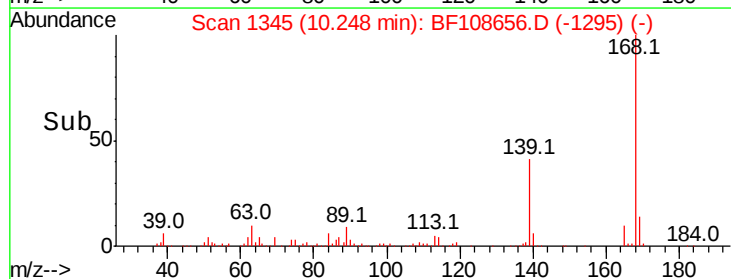
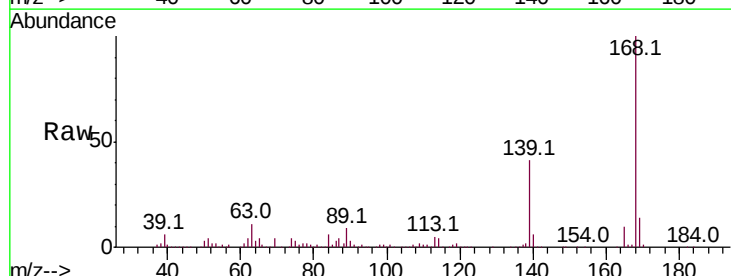
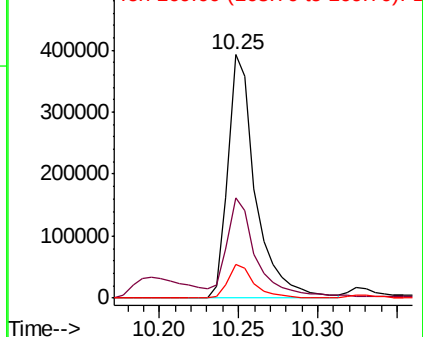
Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.1	30.1	45.1	
169	14.0	10.9	16.3	

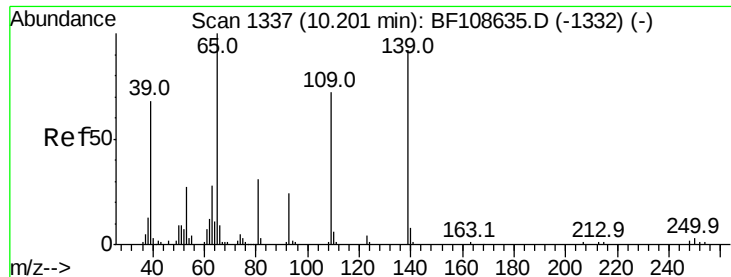
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





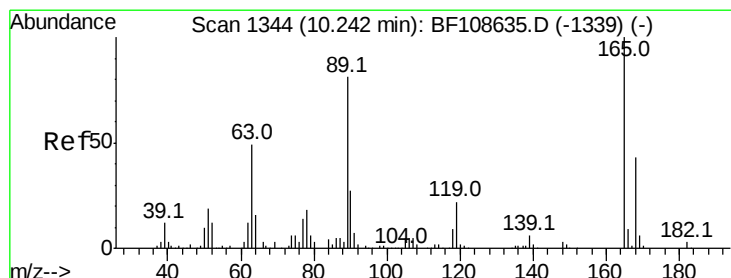
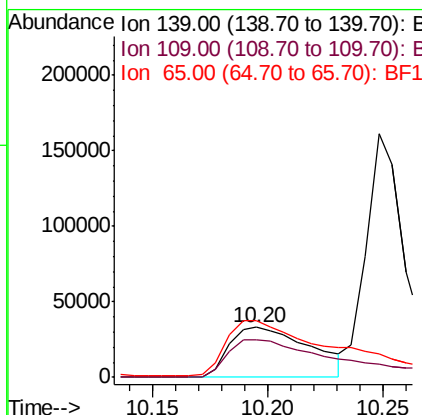
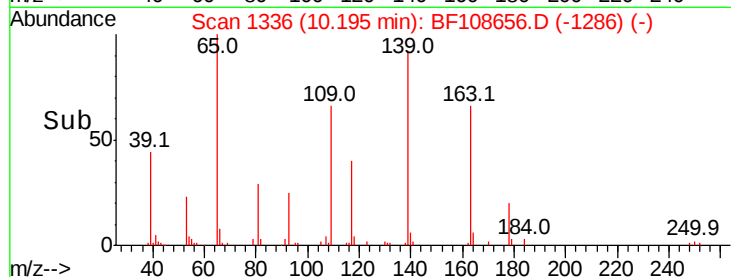
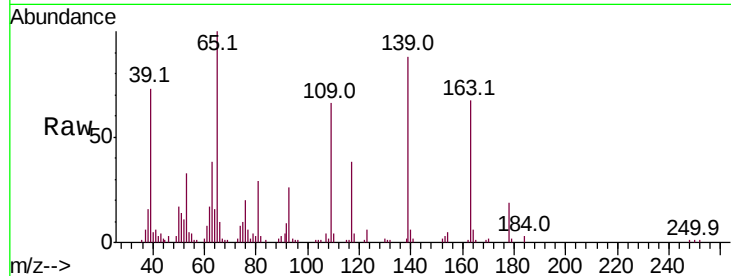
#55
4-Nitrophenol
Concen: 49.601 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	75.5	48.4	88.4
65	113.7	72.6	112.6#

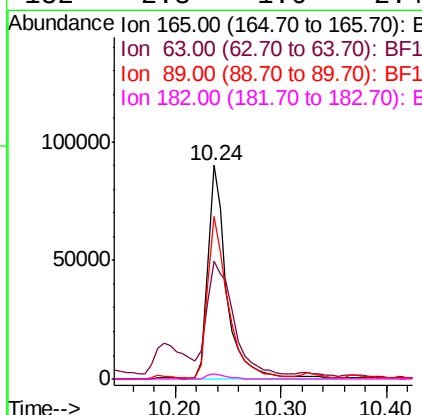
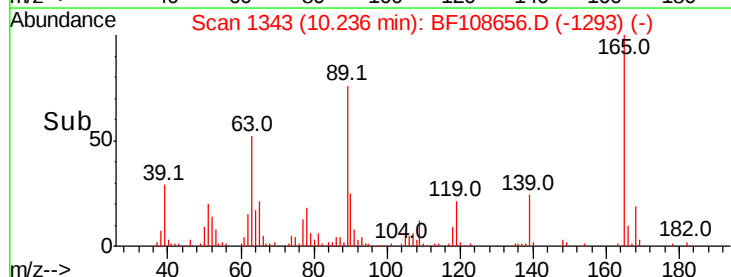
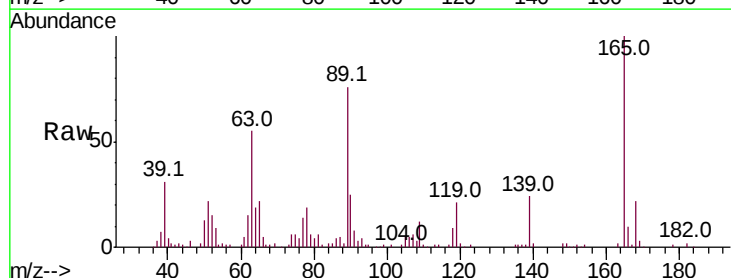
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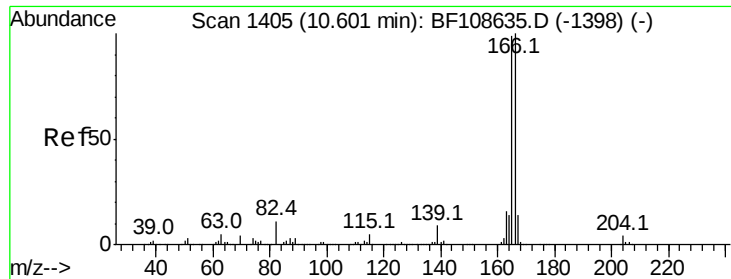
Sohil
8/31/2018 12:18:29 PM



#56
2,4-Dinitrotoluene
Concen: 35.027 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.0	36.4	54.6#
89	75.9	57.8	86.6
182	2.3	1.6	2.4





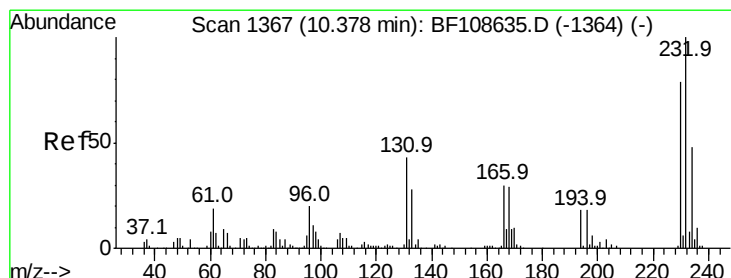
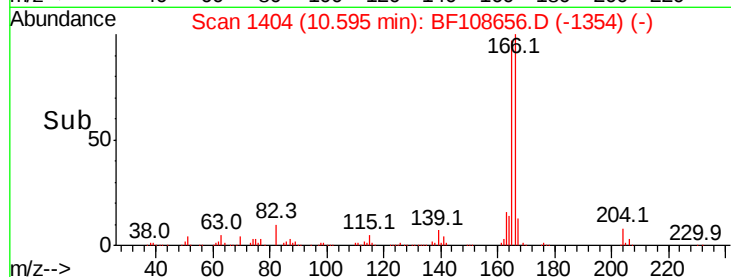
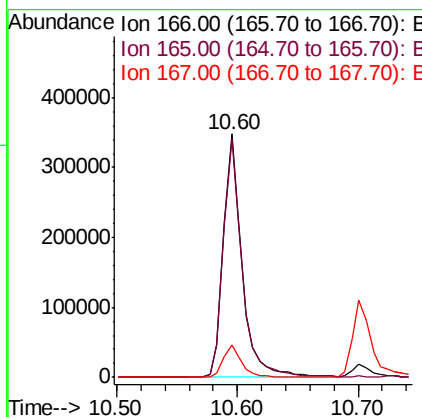
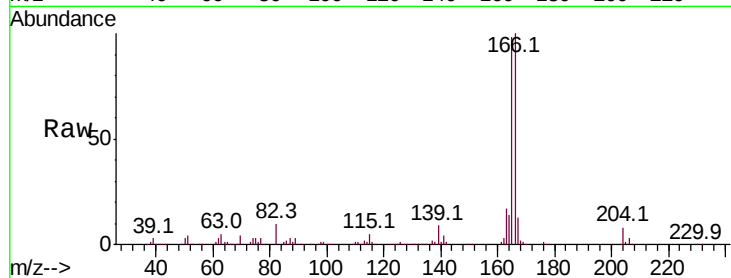
#57
 Fluorene
 Concen: 37.008 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	13.3	10.6	16.0

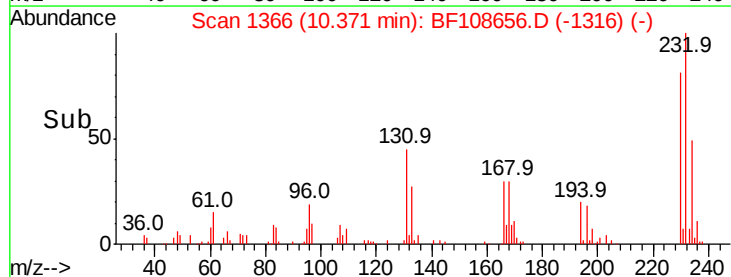
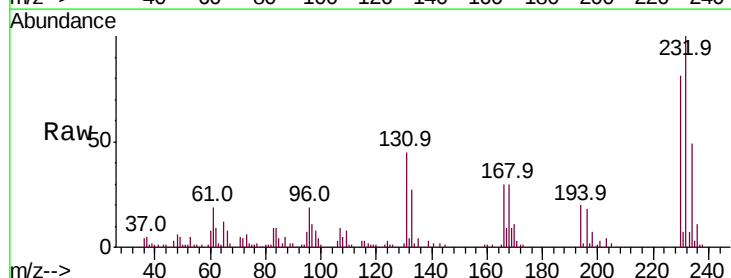
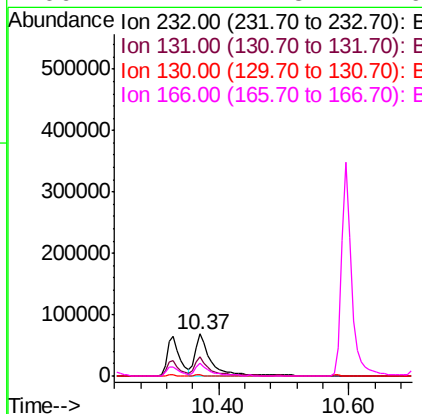
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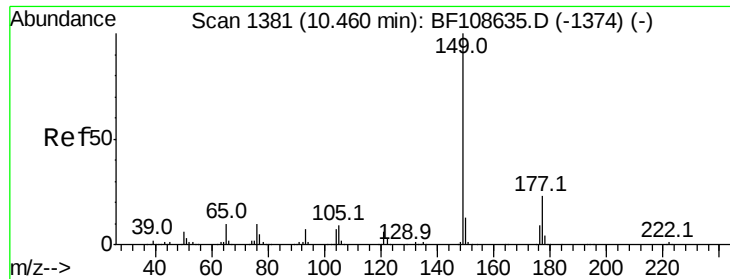
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 36.881 ng
 RT: 10.37 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
232	100		
131	36.0	43.8	65.8#
130	1.9	2.1	3.1#
166	24.2	27.8	41.6#





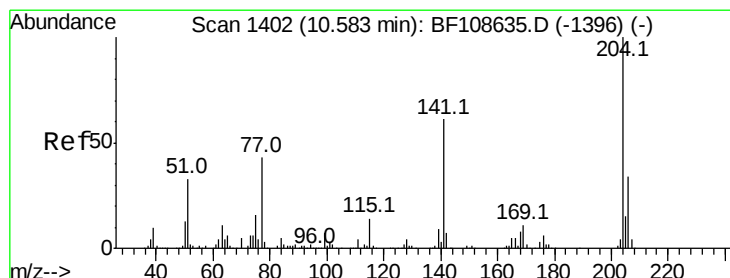
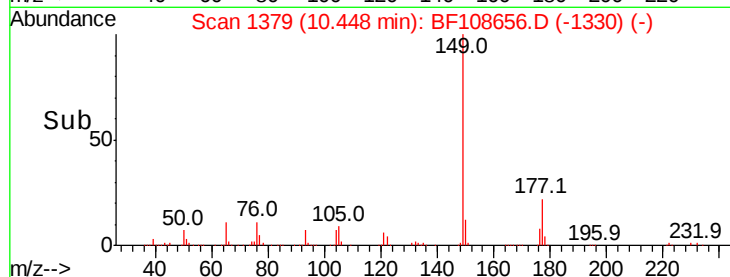
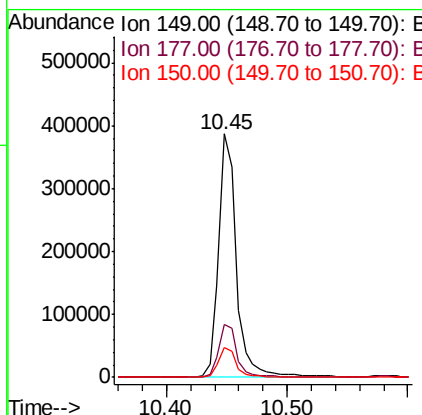
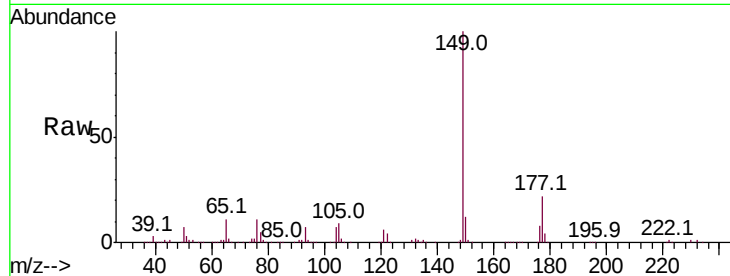
#59
 Diethylphthalate
 Concen: 35.379 ng
 RT: 10.45 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	393216		
177	21.7	16.1	24.1	
150	12.4	10.1	15.1	

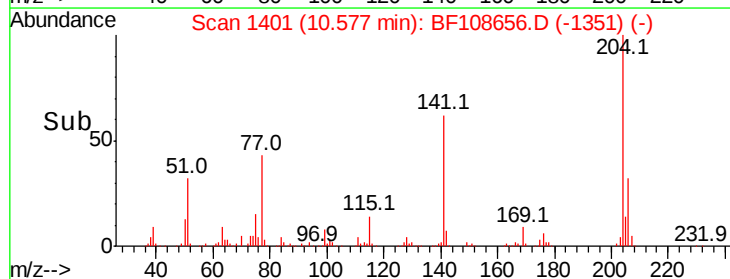
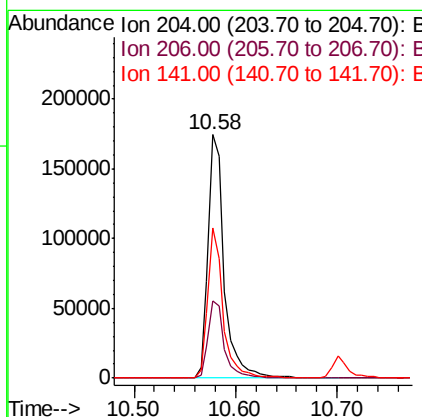
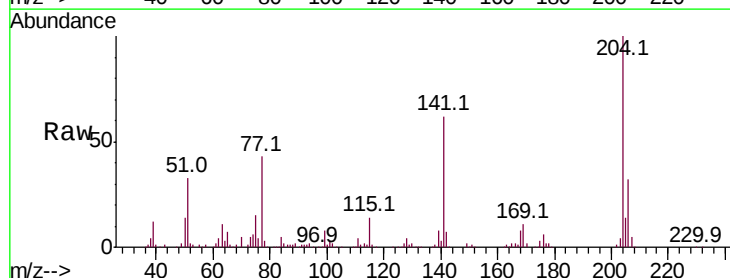
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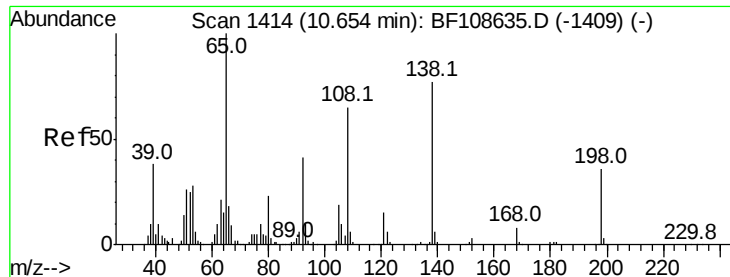
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#60
 4-Chlorophenyl-phenylether
 Concen: 33.668 ng
 RT: 10.58 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	193632		
206	31.8	26.5	39.7	
141	61.6	54.6	81.8	





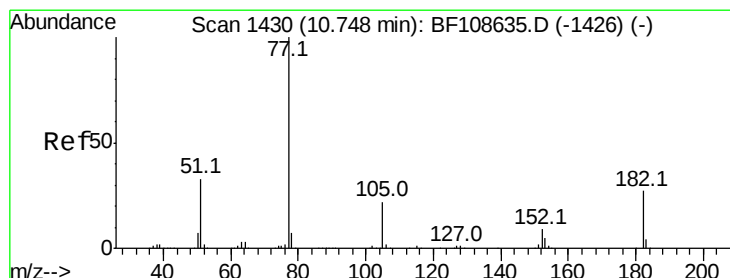
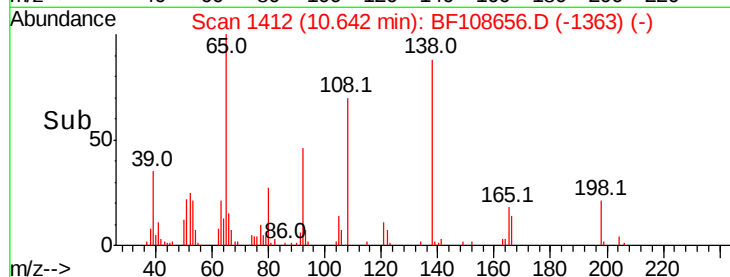
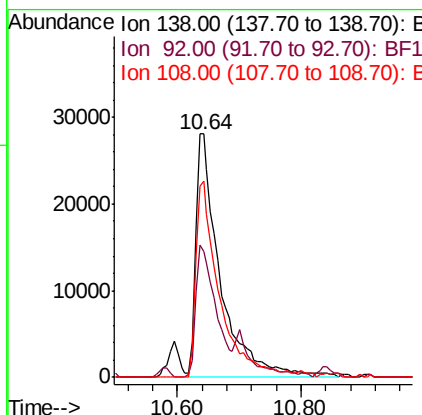
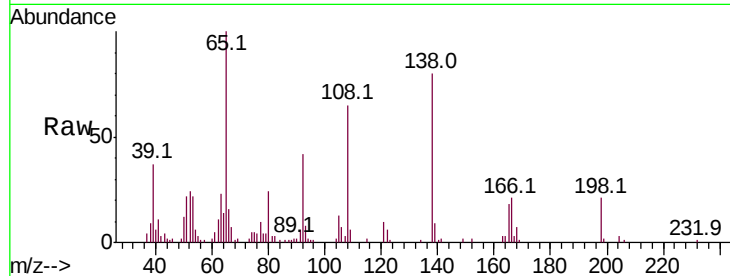
#61
4-Nitroaniline
Concen: 30.330 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.9	30.2	70.2
108	80.9	52.5	92.5

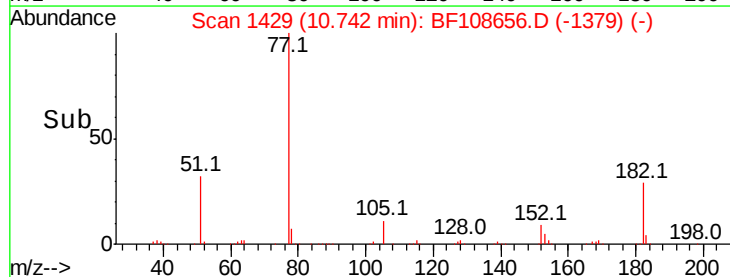
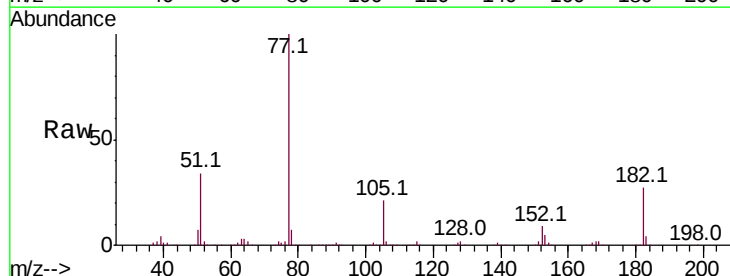
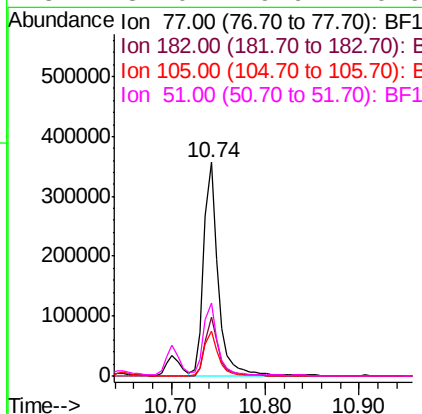
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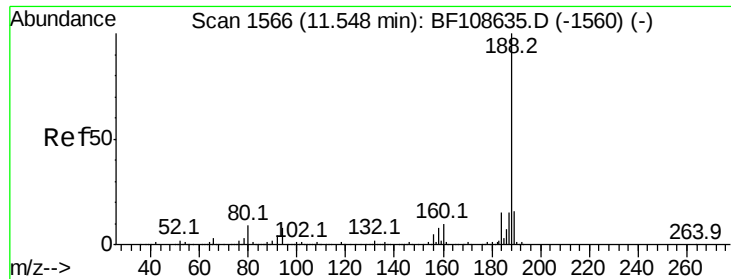
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#62
Azobenzene
Concen: 34.454 ng
RT: 10.74 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.4	1.7	41.7
105	20.7	3.0	43.0
51	34.0	9.9	49.9





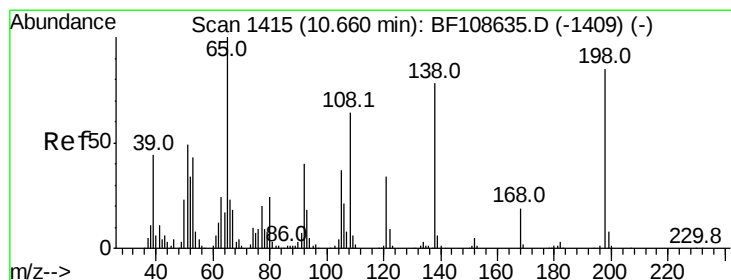
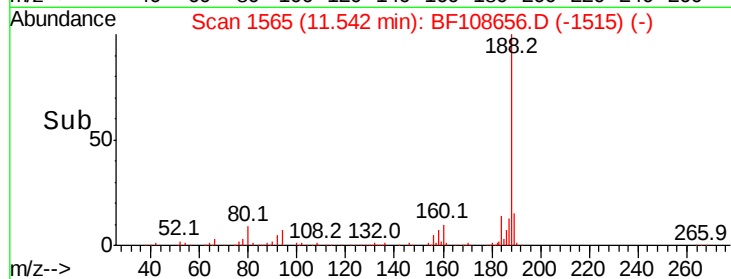
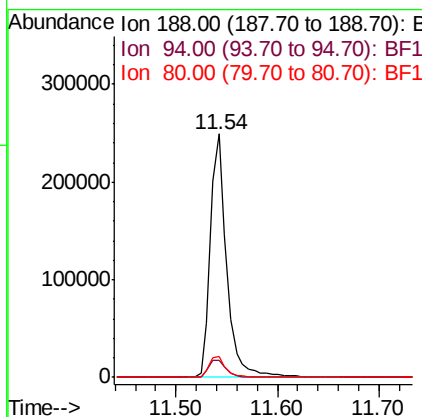
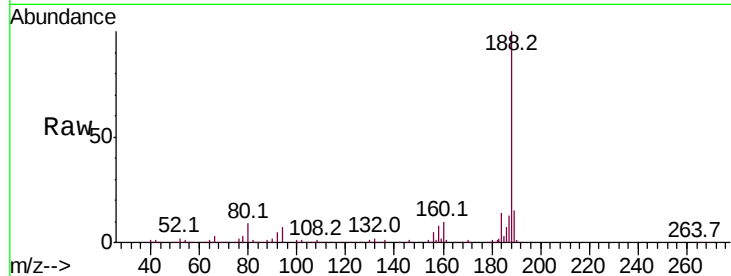
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	279718		
94	7.2	8.5	12.7#	
80	8.7	9.2	13.8#	

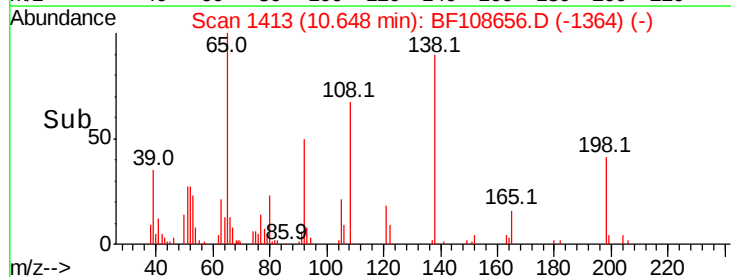
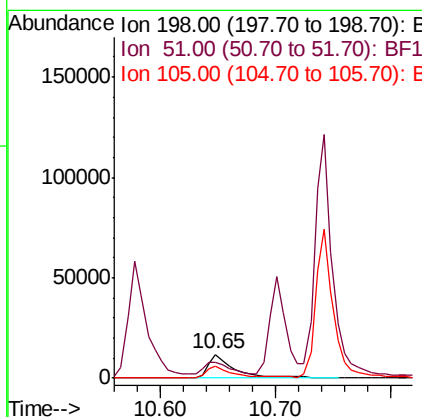
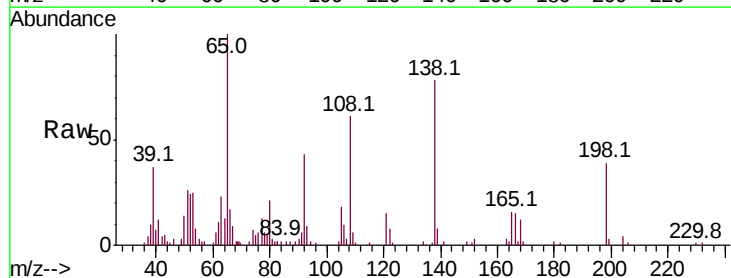
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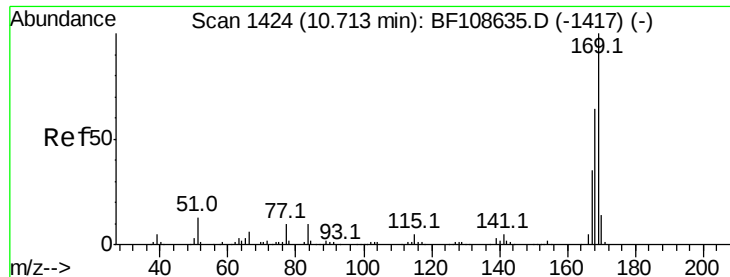
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#64
4,6-Dinitro-2-methylphenol
Concen: 14.688 ng
RT: 10.65 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	18230		
51	66.6	37.7	77.7	
105	47.8	36.3	76.3	





#65

n-Nitrosodiphenylamine

Concen: 36.507 ng

RT: 10.70 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

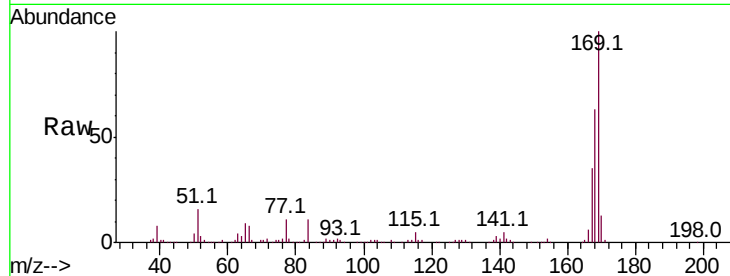
ClientSampleId :

CG-SOIL-1MSD

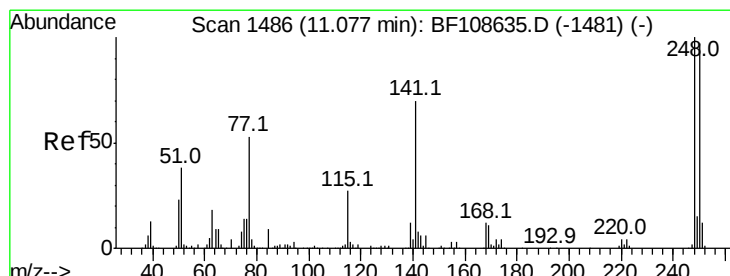
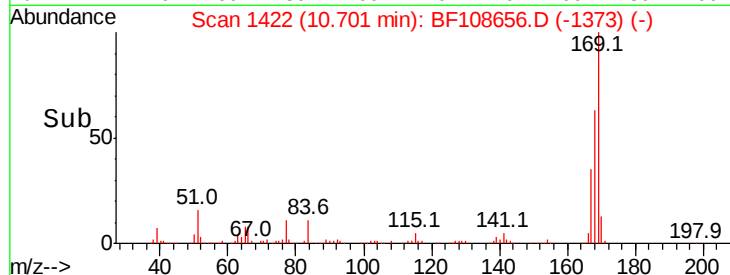
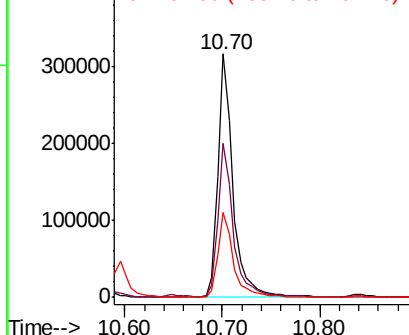
Tot Ion:	169	Resp:	339266
Ion Ratio	Lower	Upper	
169	100		
168	63.4	54.4	81.6
167	34.8	29.8	44.6

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



#66

4-Bromophenyl-phenylether

Concen: 34.421 ng

RT: 11.07 min Scan# 1485

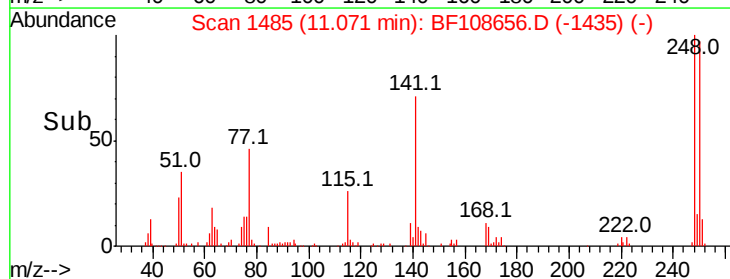
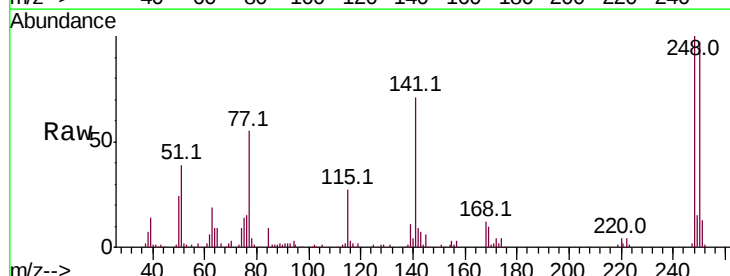
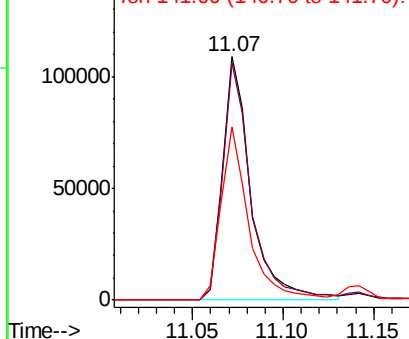
Delta R.T. -0.01 min

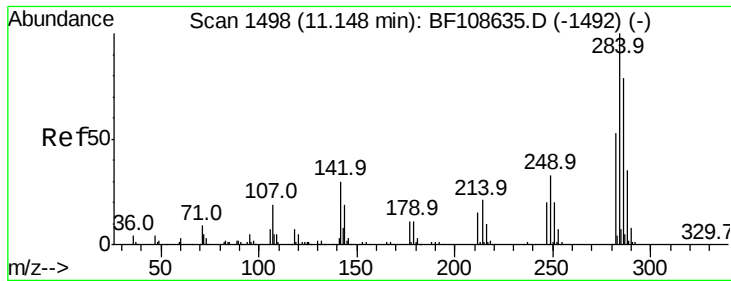
Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion:	248	Resp:	118333
Ion Ratio	Lower	Upper	
248	100		
250	97.4	76.9	115.3
141	71.1	74.4	111.6#

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





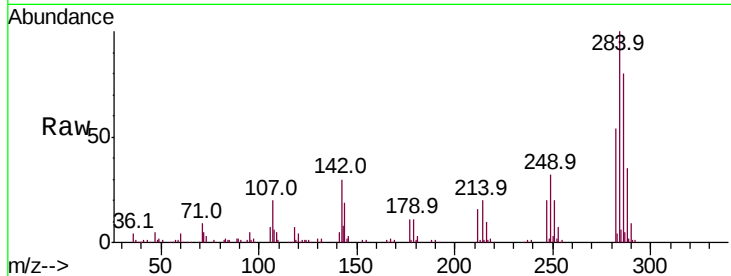
#67
Hexachlorobenzene
Concen: 33.589 ng
RT: 11.14 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

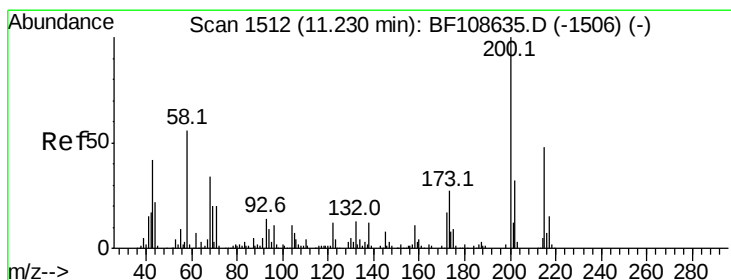
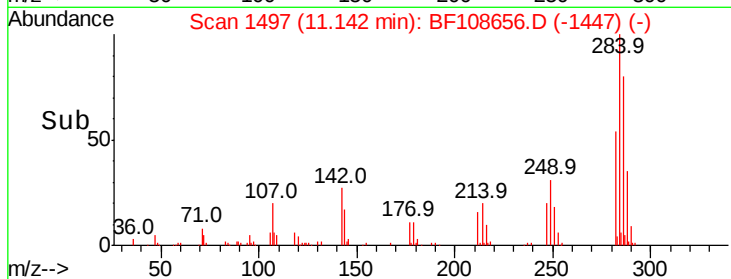
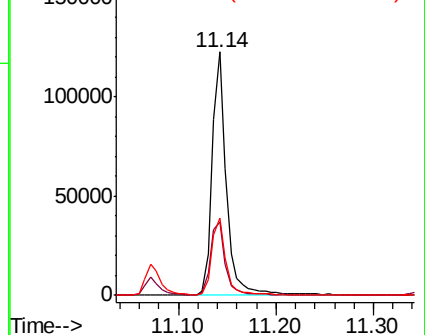
Tot Ion	Ratio	Resp	Lower	Upper
284	100	124403		
142	30.1	34.6	52.0#	
249	31.9	24.8	37.2	

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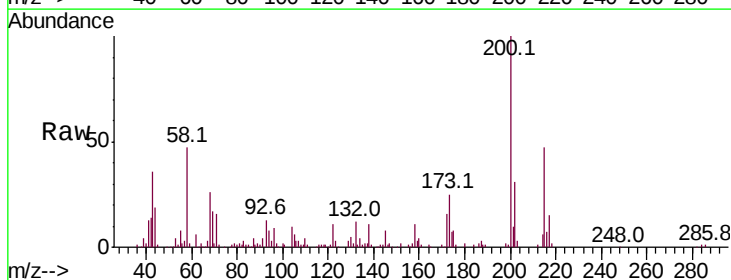


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

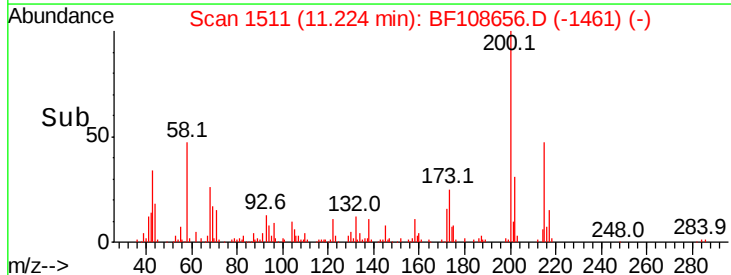
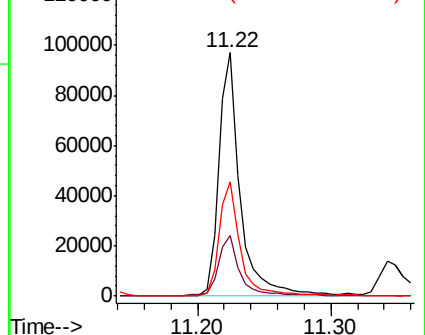


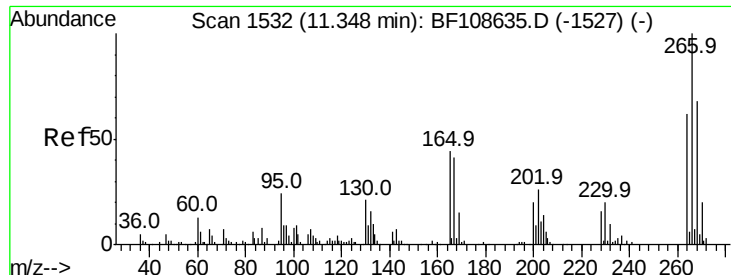
#68
Atrazine
Concen: 41.055 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	109389		
173	24.9	8.6	48.6	
215	47.2	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





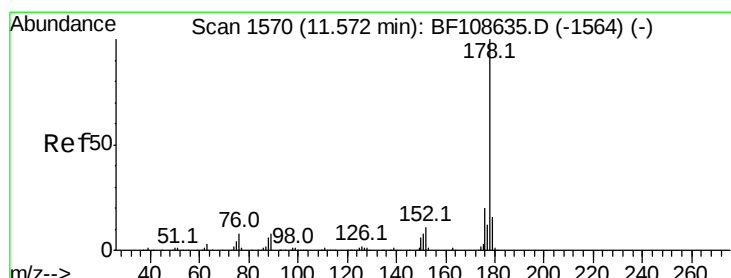
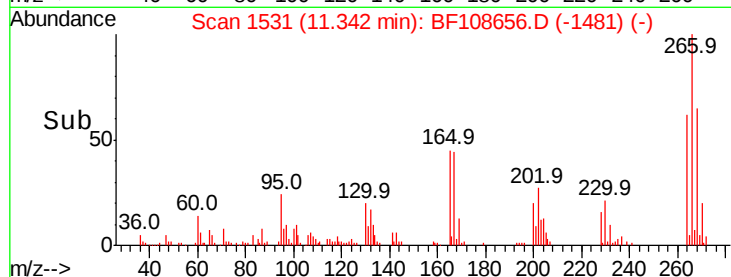
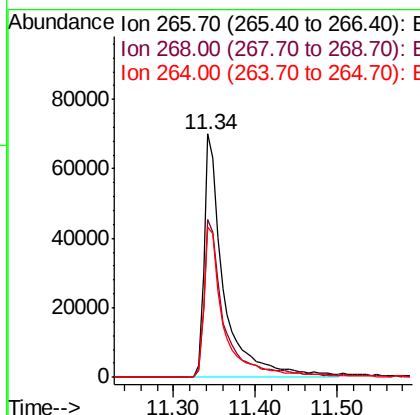
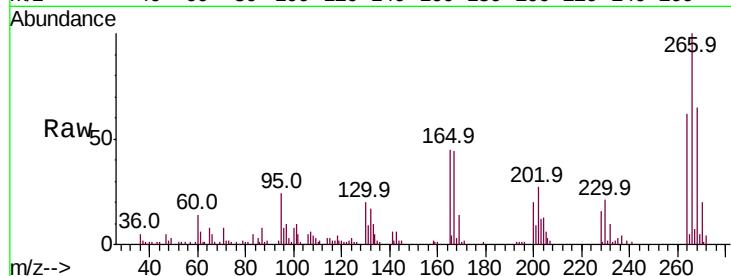
#69
 Pentachlorophenol
 Concen: 59.829 ng
 RT: 11.34 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	117748		
268	64.9	51.1	76.7	
264	61.8	49.5	74.3	

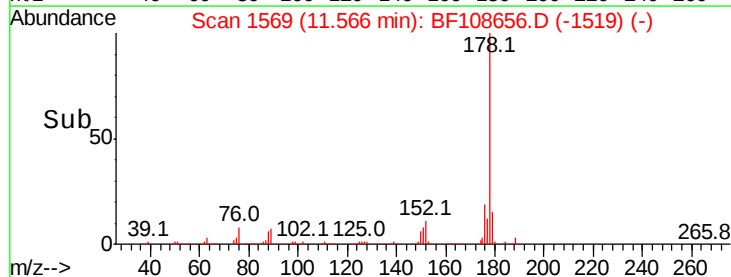
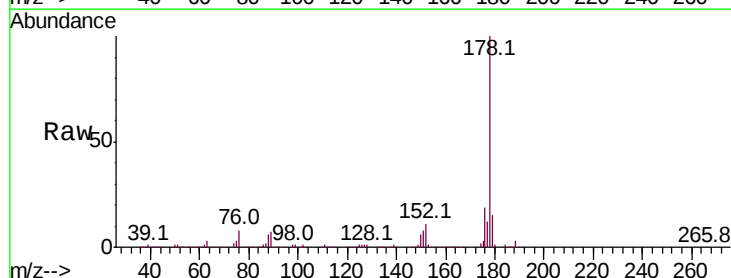
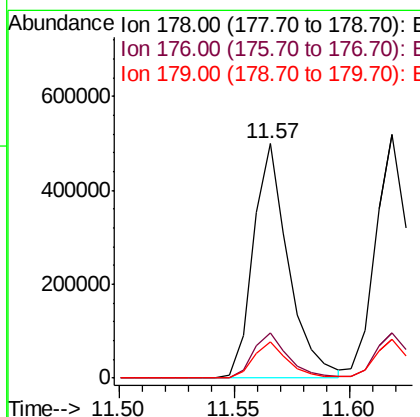
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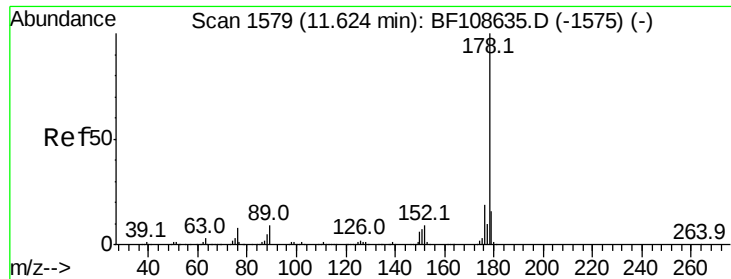
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#70
 Phenanthrene
 Concen: 37.685 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	532069		
176	19.2	15.8	23.8	
179	15.3	13.0	19.6	





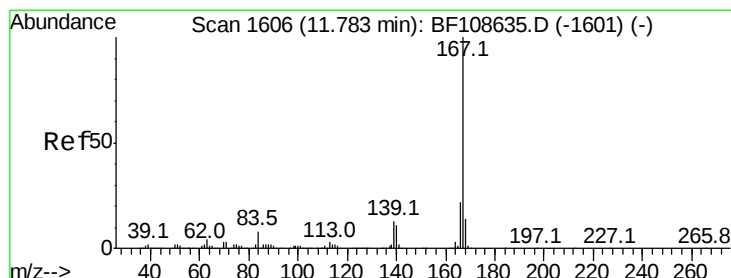
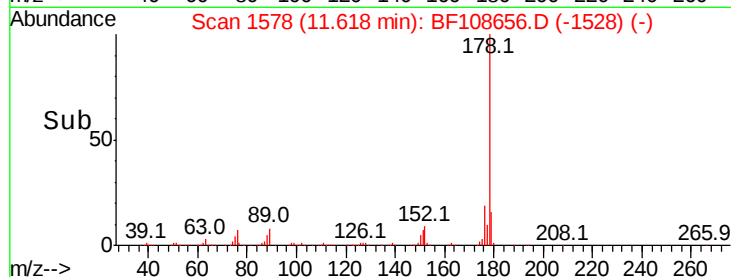
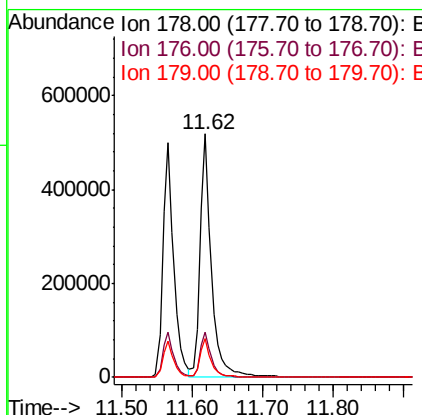
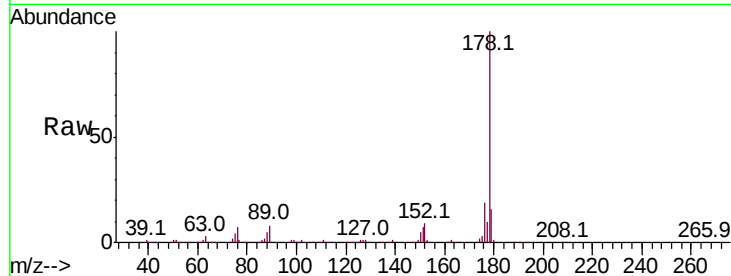
#71
 Anthracene
 Concen: 39.916 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.8	12.6	19.0

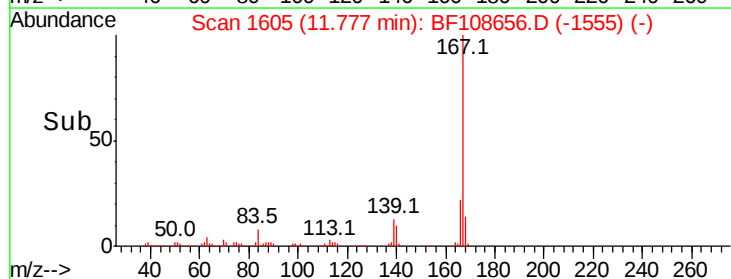
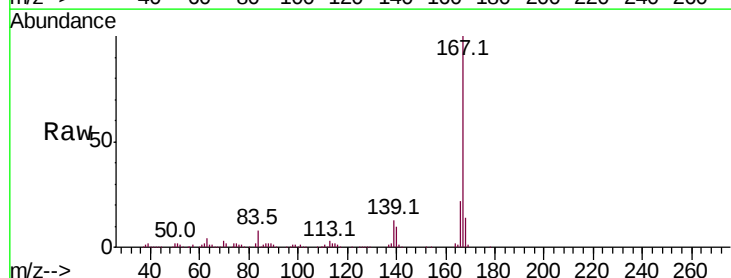
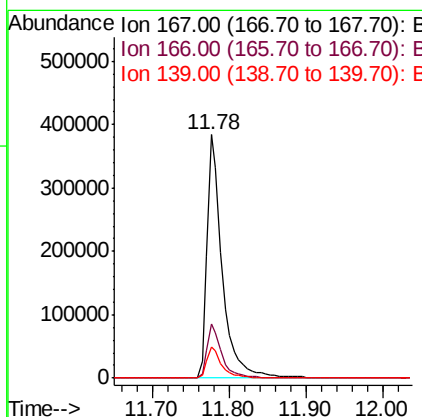
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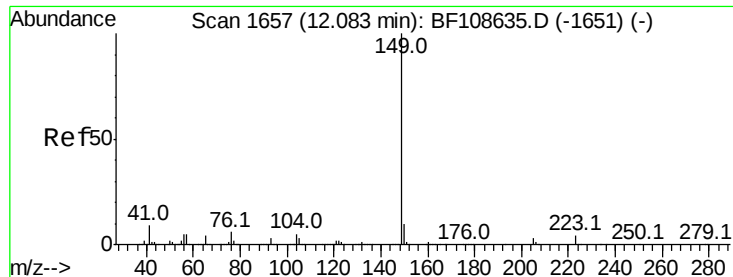
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#72
 Carbazole
 Concen: 36.630 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	12.6	10.9	16.3





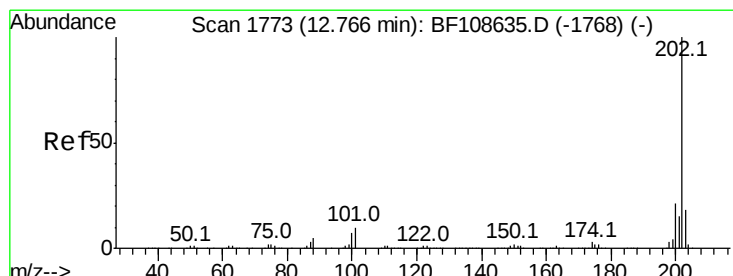
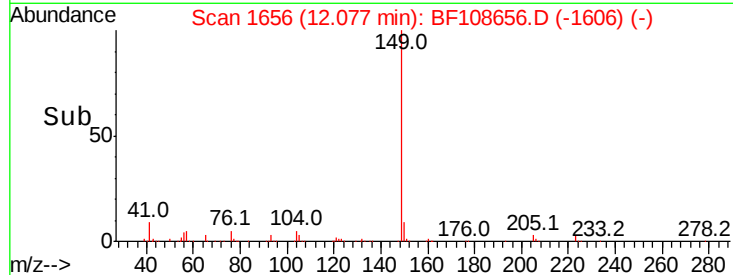
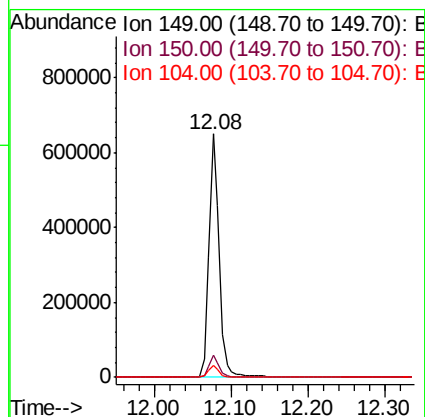
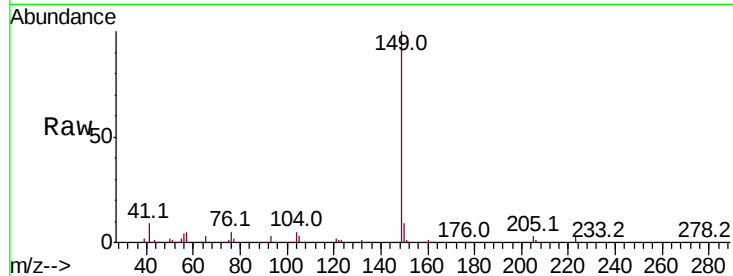
#73
Di-n-butylphthalate
Concen: 36.272 ng
RT: 12.08 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion:	149	Resp:	598619
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.6
104	5.2	3.8	5.8

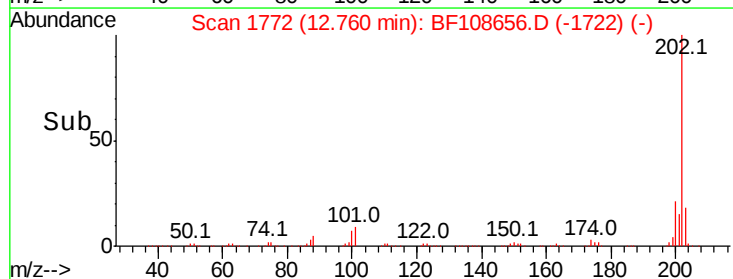
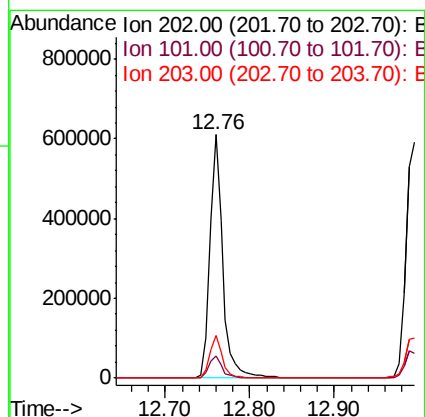
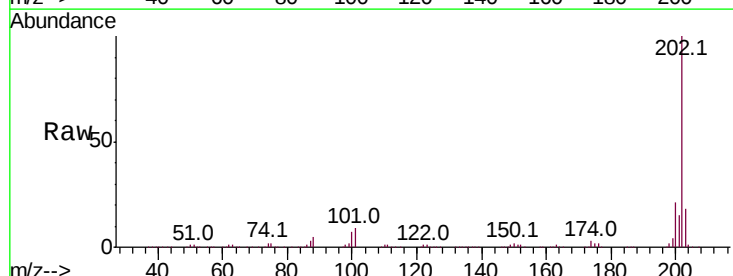
Manual Integrations
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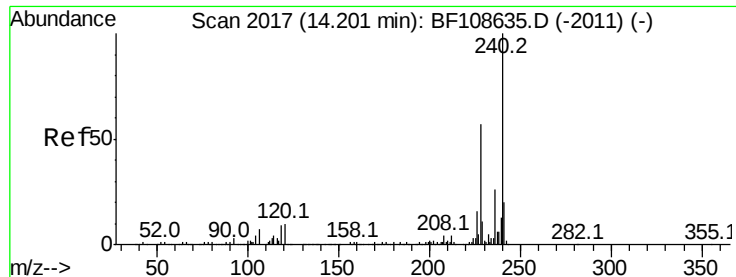
Sohil
8/31/2018 12:18:29 PM



#74
Fluoranthene
Concen: 40.807 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion:	202	Resp:	648526
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	34.1
203	17.6	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: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

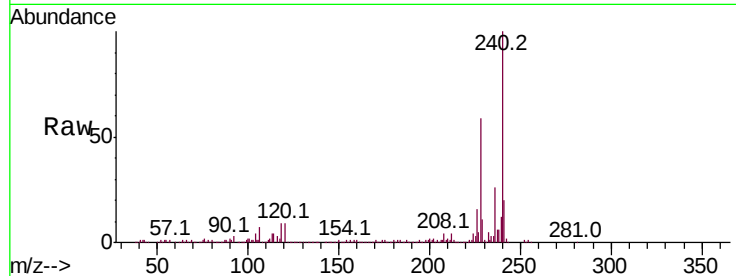
ClientSampleId :

CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.8	20.7	31.1

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Sohil
8/31/2018 12:18:29 PM

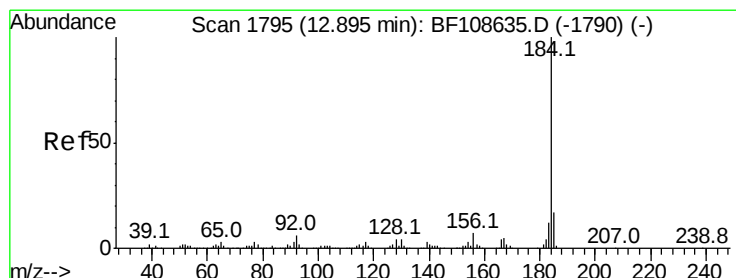
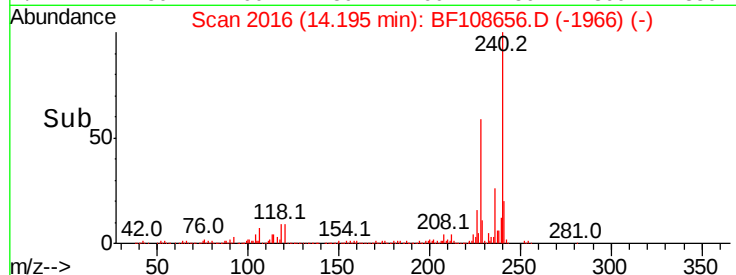
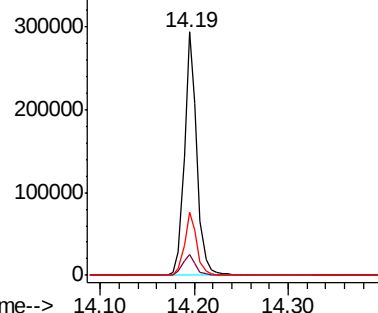


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 49.985 ng

RT: 12.89 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

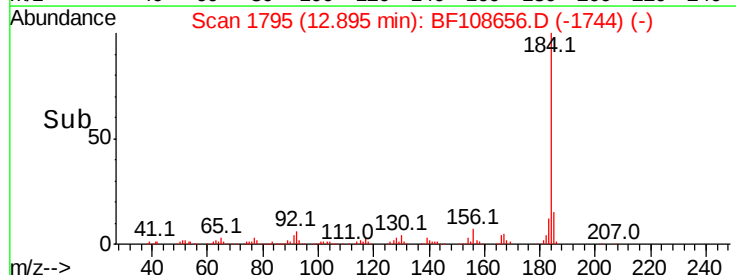
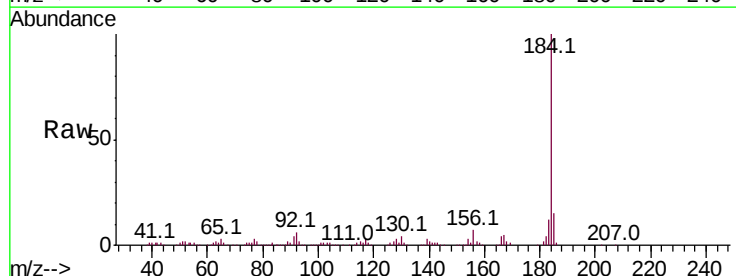
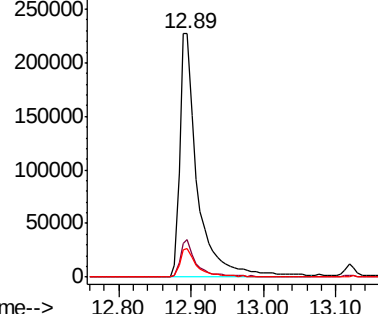
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.6	18.8
183	11.8	9.3	13.9

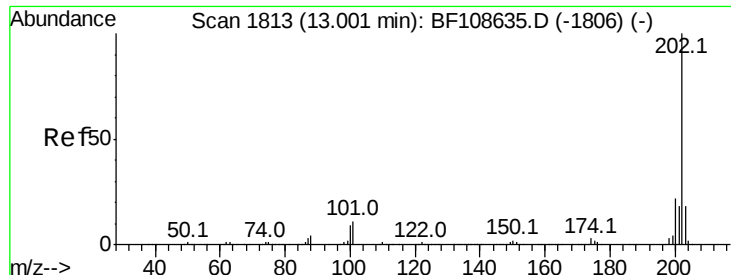
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





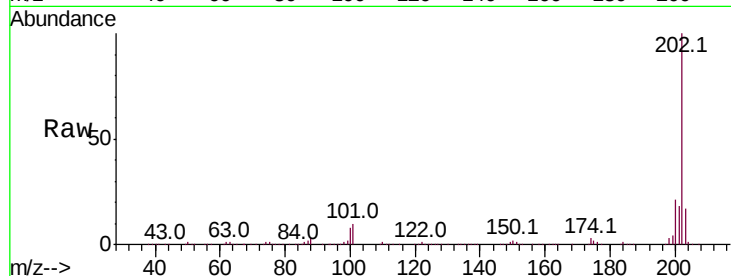
#77
Pvrene
Concen: 31.390 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.1	14.3	21.5

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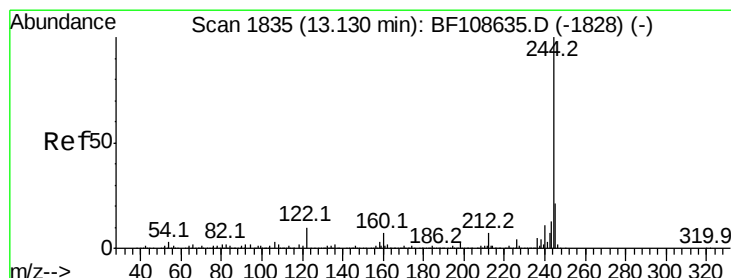
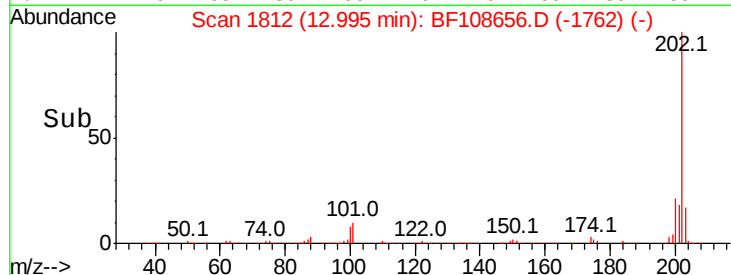
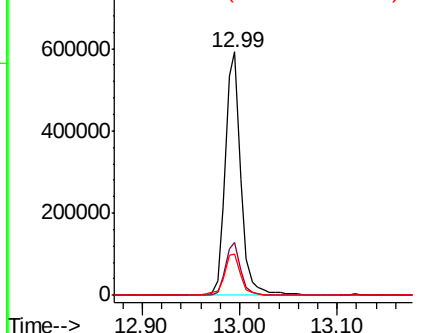


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 51.776 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

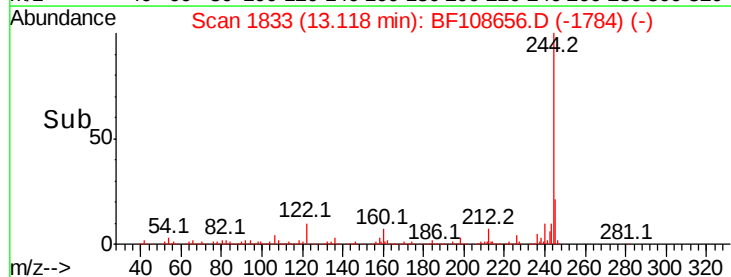
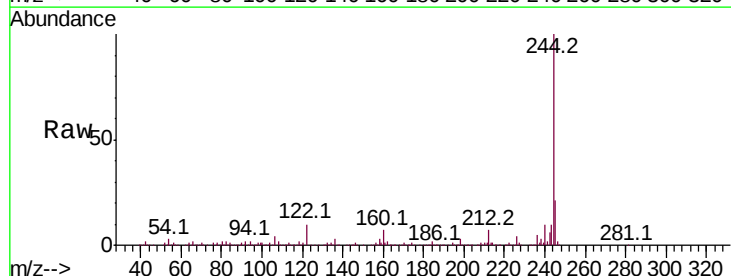
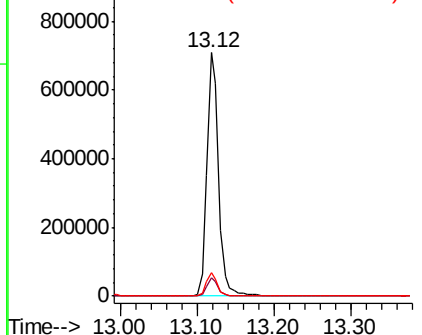
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.4	8.0
122	9.9	11.0	16.4#

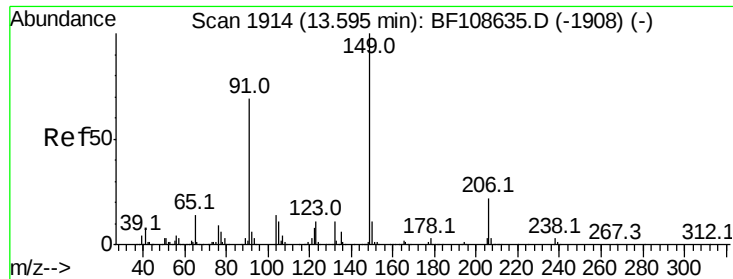
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





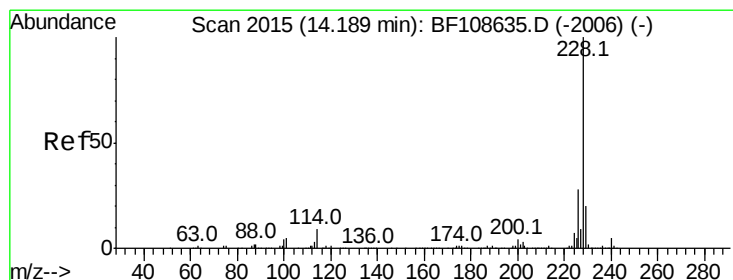
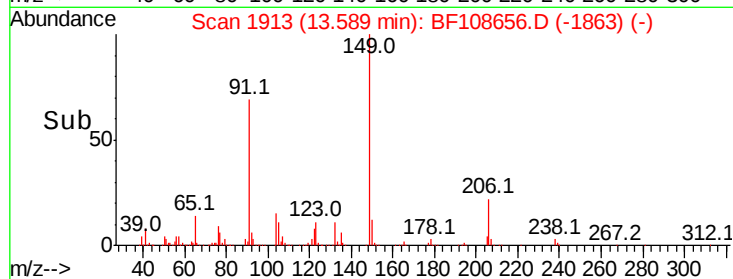
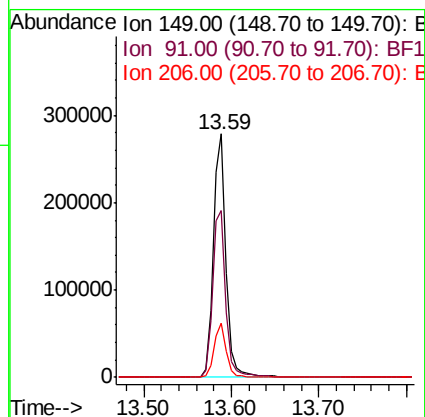
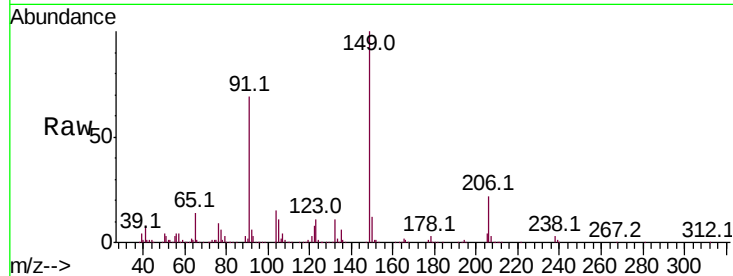
#79
Butylbenzylphthalate
Concen: 31.978 ng
RT: 13.59 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	279022		
91	68.8	56.8	85.2	
206	22.1	14.1	21.1	

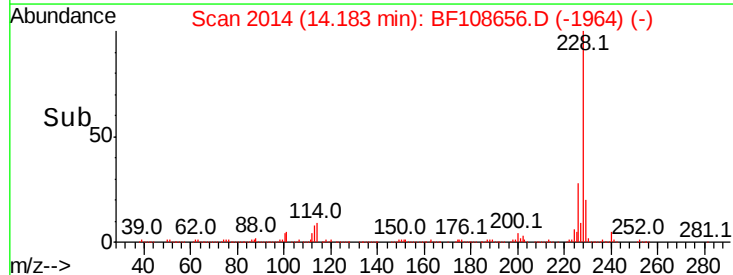
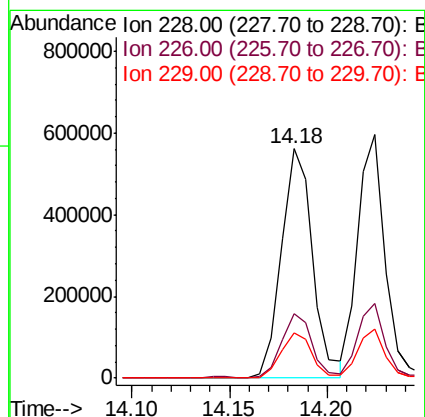
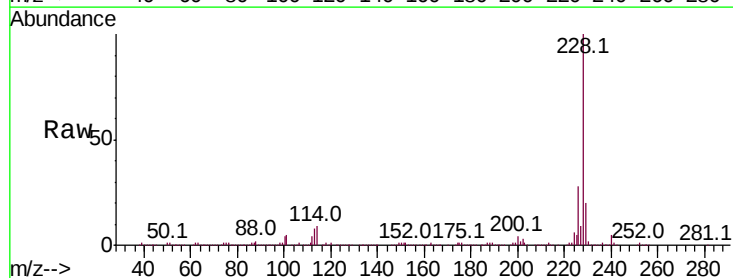
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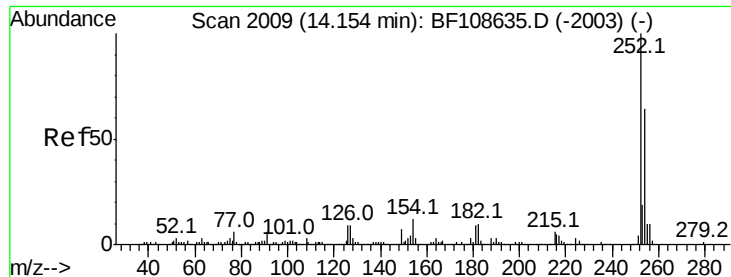
Sohil
8/31/2018 12:18:29 PM



#80
Benzo(a)anthracene
Concen: 36.920 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	621288		
226	27.9	22.6	33.8	
229	19.8	15.8	23.6	





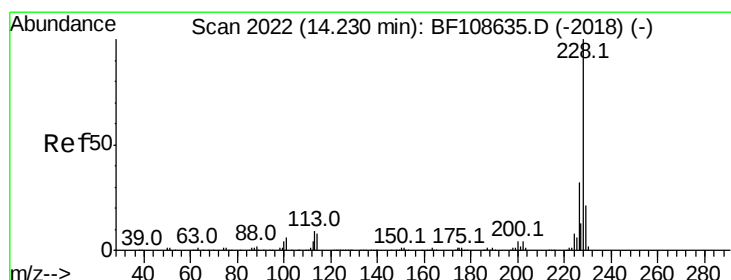
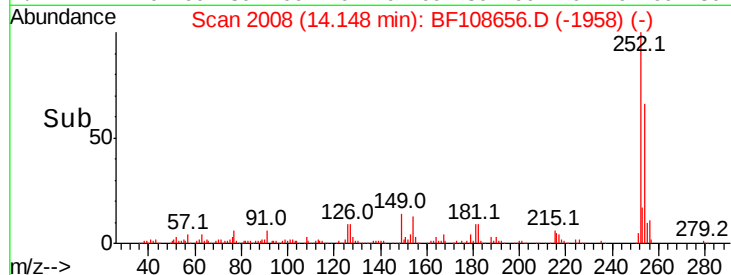
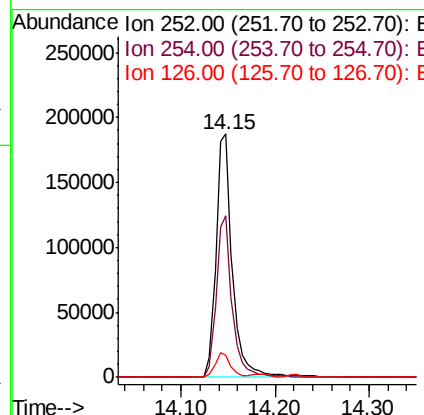
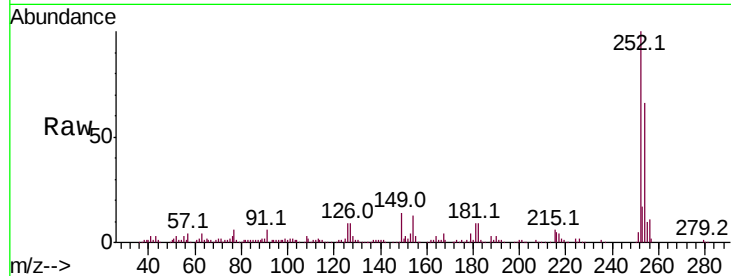
#81
 3,3'-Dichlorobenzidine
 Concen: 37.956 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.4	50.4	75.6
126	9.3	11.3	16.9

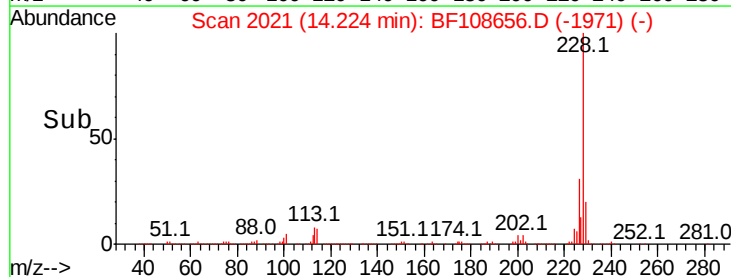
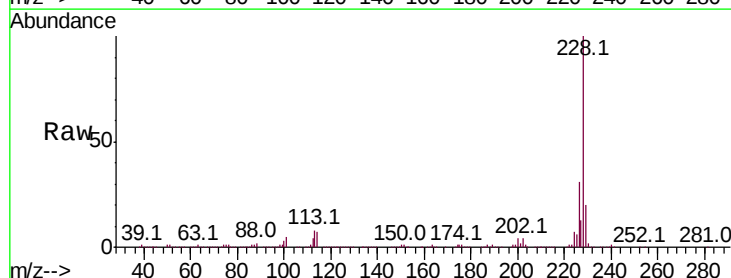
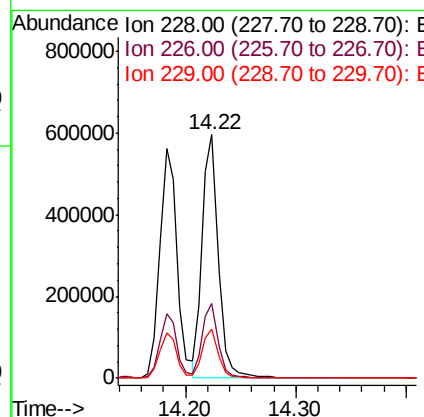
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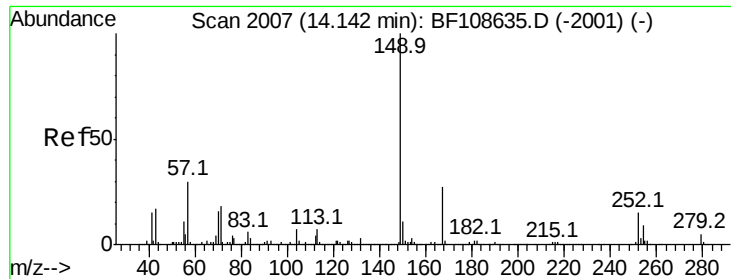
Sohil
 8/31/2018 12:18:29 PM



#82
 Chrysene
 Concen: 36.507 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.9	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 33.955 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

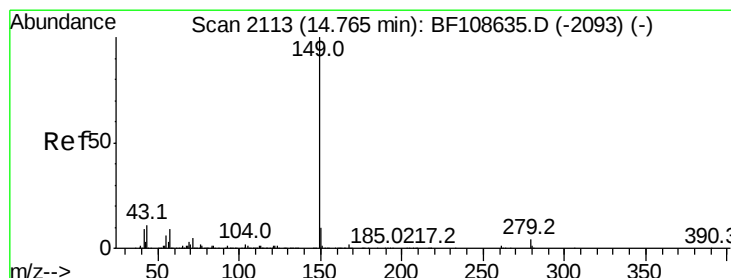
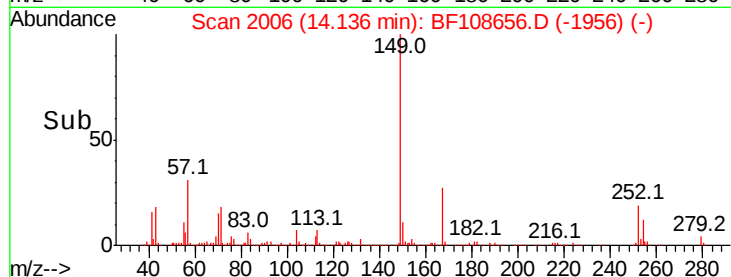
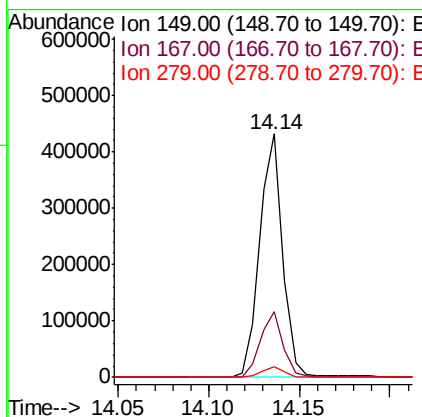
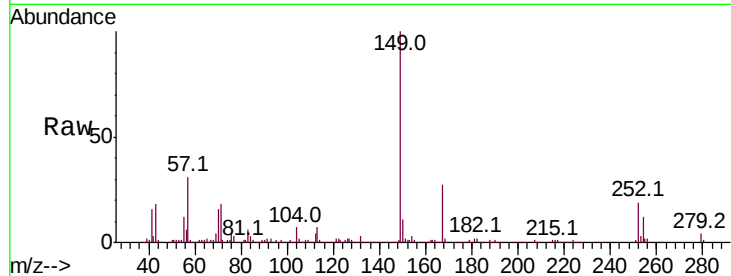
ClientSampleId :

CG-SOIL-1MSD

Tot Ion:	149	Resp:	380818
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.3	31.9
279	4.4	3.0	4.4#

Manual Integrations
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Sohil
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#84

Di-n-octyl phthalate

Concen: 40.761 ng

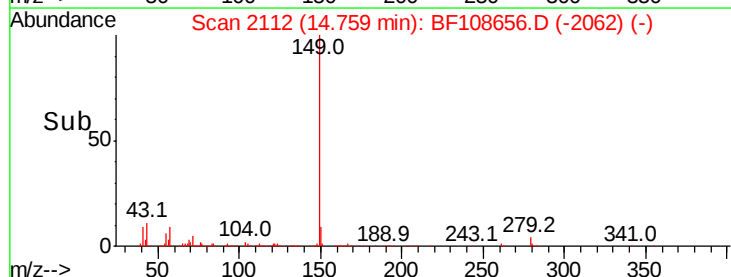
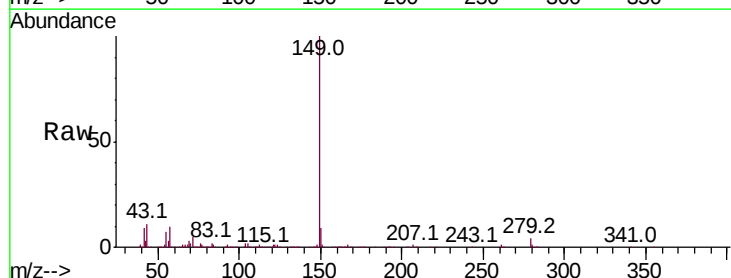
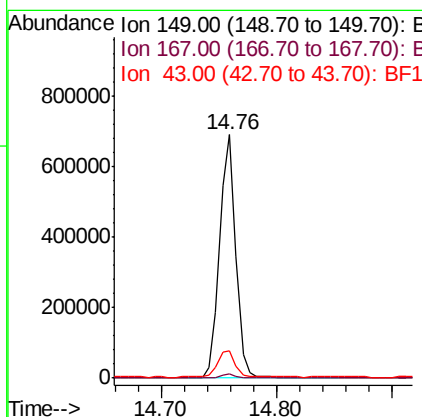
RT: 14.76 min Scan# 2112

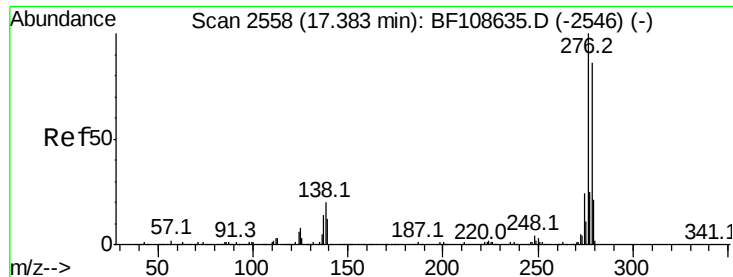
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion:	149	Resp:	672144
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	12.1	8.4	12.6





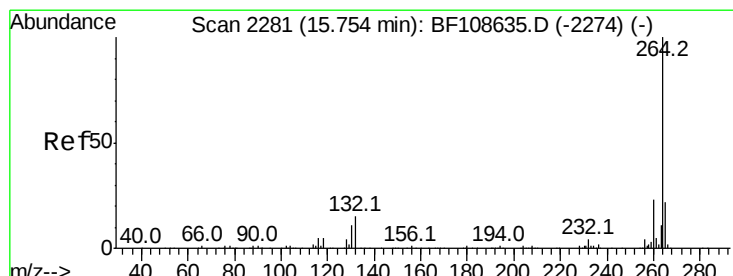
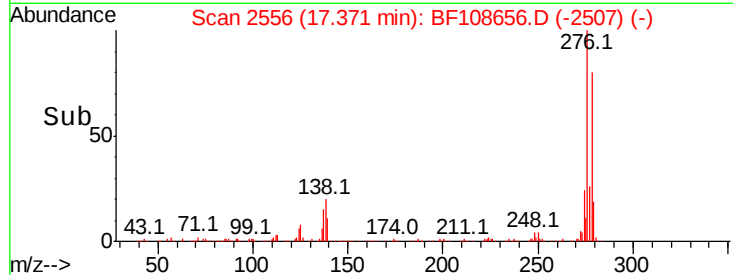
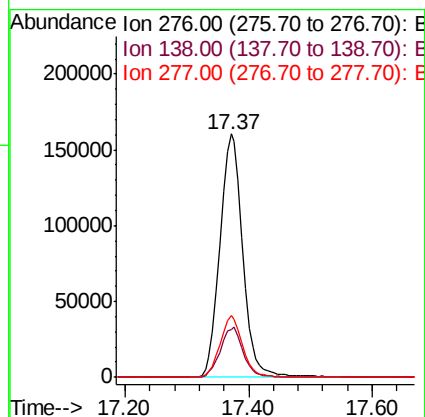
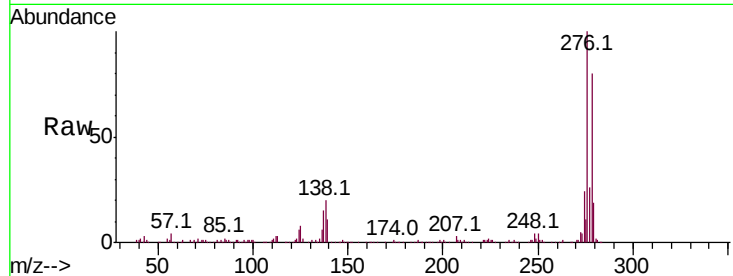
#85
Indeno(1,2,3-cd)pyrene
Concen: 36.613 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

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

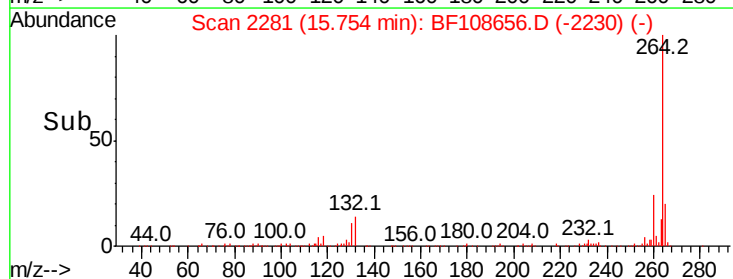
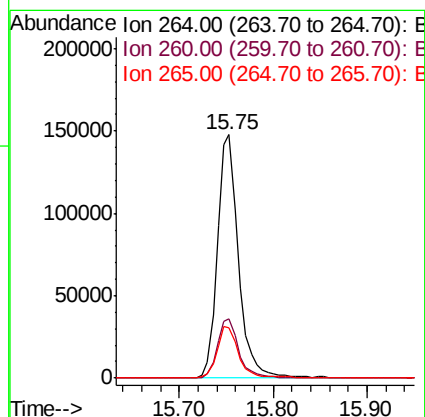
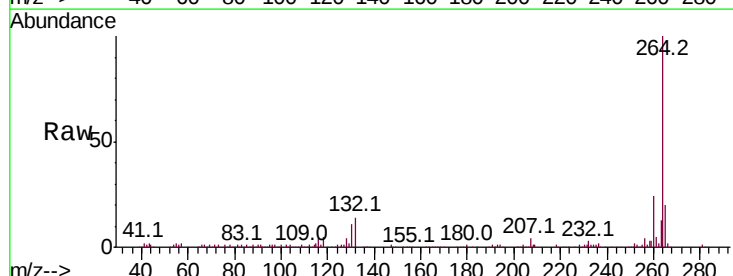
Manual Integrations
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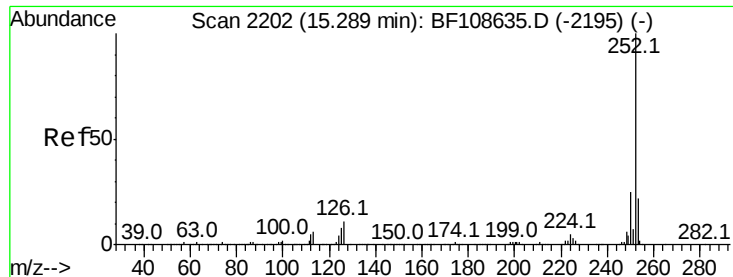
Sohil
8/31/2018 12:18:29 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.2	28.8	
265	20.5	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 39.589 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Instrument :

BNA_F

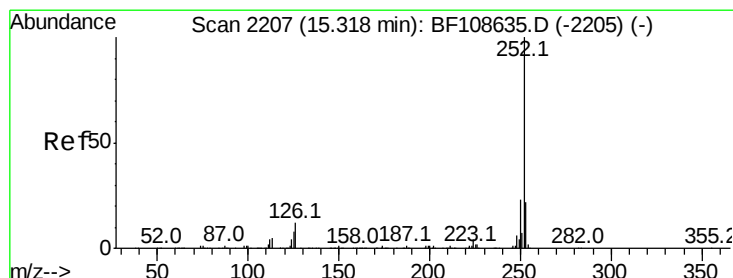
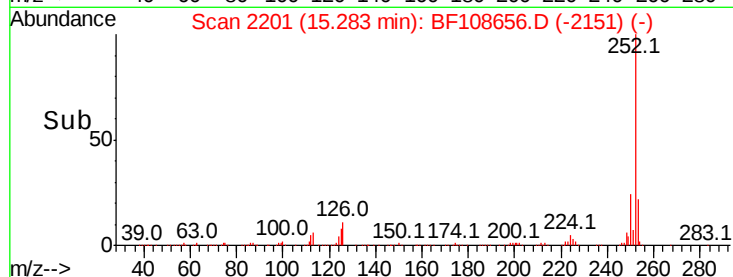
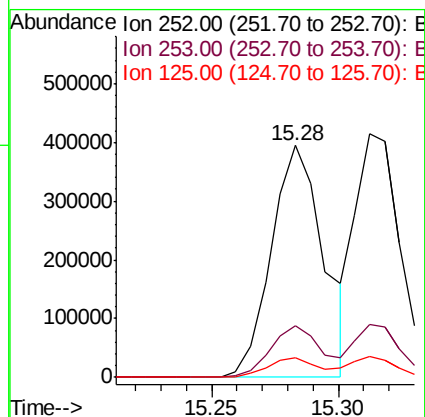
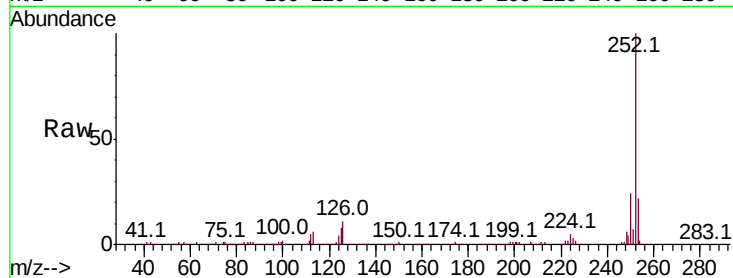
ClientSampleId :

CG-SOIL-1MSD

Tot Ion:	252	Resp:	564994
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	8.3	9.0	13.6#

Manual Integrations
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8/31/2018 12:18:29 PM



#88

Benzo(k)fluoranthene

Concen: 37.489 ng

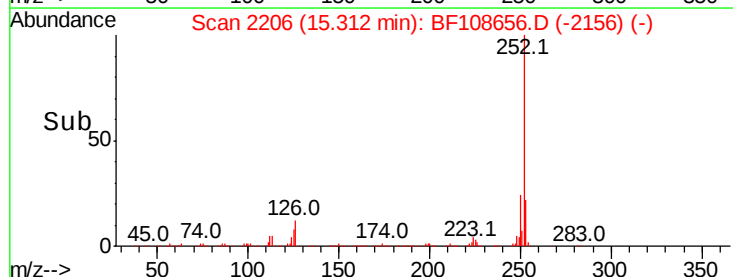
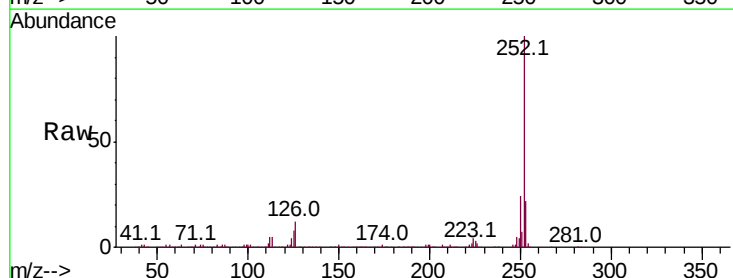
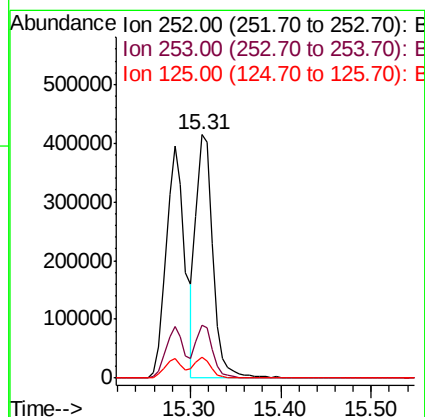
RT: 15.31 min Scan# 2206

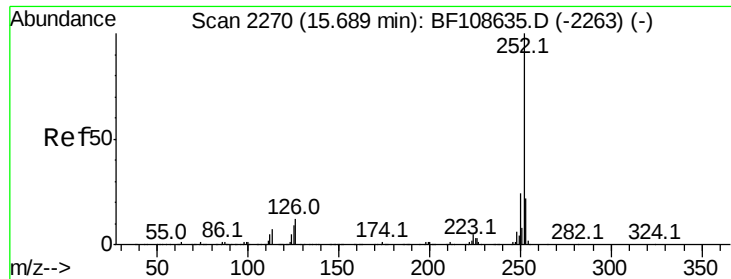
Delta R.T. -0.01 min

Lab File: BF108656.D

Acq: 30 Aug 2018 22:33

Tgt Ion:	252	Resp:	530005
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.9	26.9
125	8.4	10.2	15.2#





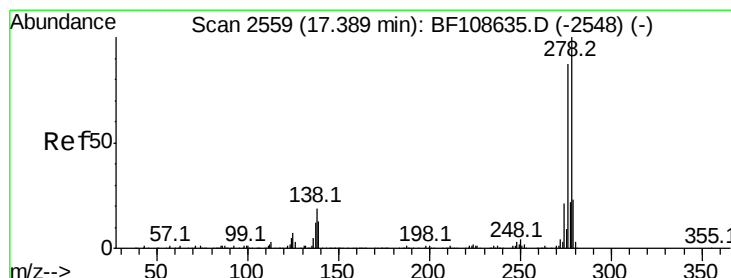
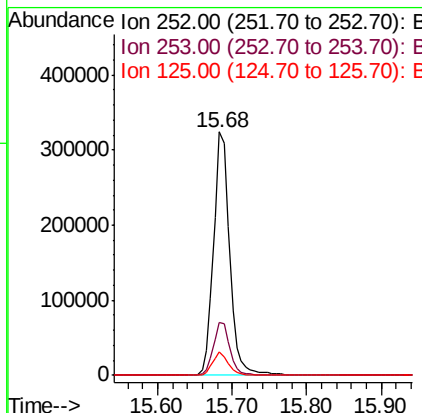
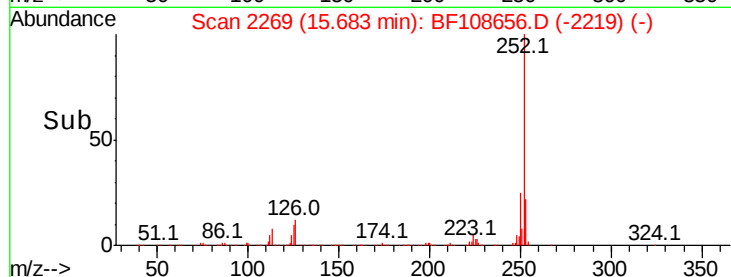
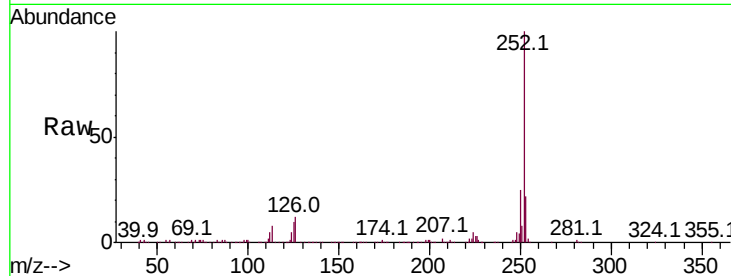
#89
Benzo(a)pyrene
Concen: 37.459 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Instrument :
BNA_F
ClientSampleId :
CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.7	9.8	14.6

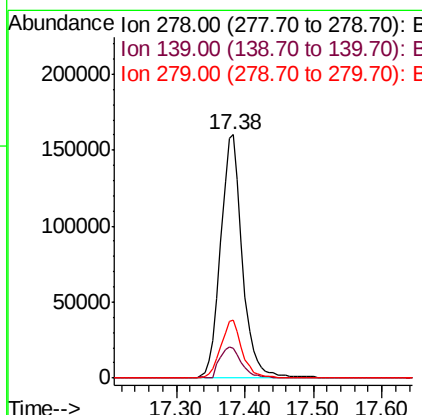
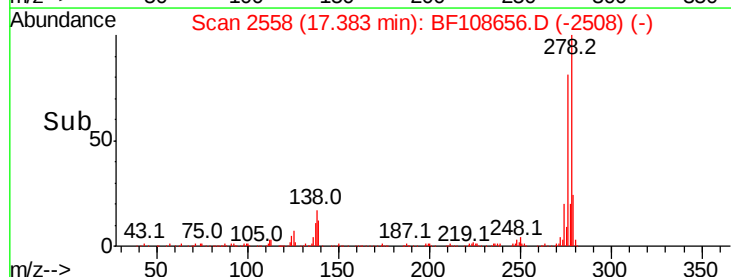
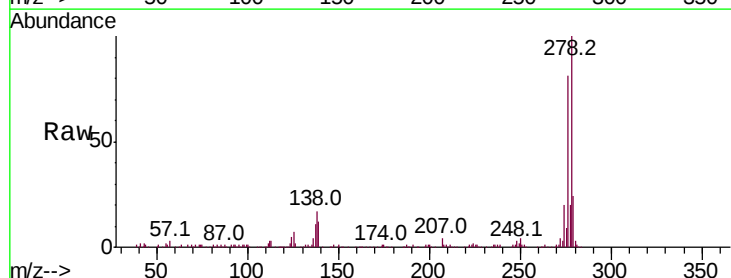
Manual Integrations
APPROVED

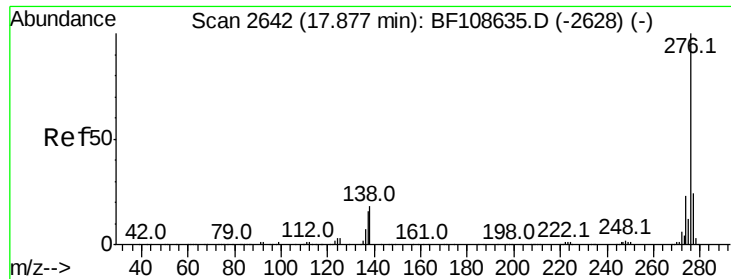
Sohil
8/31/2018 12:18:29 PM



#90
Dibenzo(a,h)anthracene
Concen: 34.231 ng
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108656.D
Acq: 30 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.1	15.9	23.9
279	23.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 32.206 ng
 RT: 17.87 min Scan# 2640
 Delta R.T. -0.01 min
 Lab File: BF108656.D
 Acq: 30 Aug 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CG-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	17.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/31/2018 12:18:29 PM

