

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080818\
 Data File : BG036209.D
 Acq On : 8 Aug 2018 22:30
 Operator : JU/SJ
 Sample : J4360-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Manual Integrations
 APPROVED

Sohil
 8/9/2018 3:17:03 PM

Quant Time: Aug 09 02:22:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	29511	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	100066	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	71143	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	205903	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	228530	20.00	ng	-0.02
86) Perylene-d12	24.82	264	223897	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	228667	128.64	ng	0.00
7) Phenol-d6	7.18	99	302122	113.92	ng	-0.01
23) Nitrobenzene-d5	9.17	82	245509	102.49	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	175798	187.48	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	544216	102.48	ng	-0.02
78) Terphenyl-d14	19.98	244	1119863	108.02	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	28511	31.514	ng	# 73
3) Pyridine	3.93	79	30262	12.813	ng	# 66
4) n-Nitrosodimethylamine	3.82	42	37673	37.149	ng	# 82
6) Aniline	7.34	93	24599	7.156	ng	96
8) 2-Chlorophenol	7.58	128	81860	45.281	ng	93
9) Benzaldehyde	7.15	77	75274	46.259	ng	99
10) Phenol	7.21	94	103490	38.625	ng	93
11) bis(2-Chloroethyl)ether	7.43	93	83012	39.561	ng	89
12) 1,3-Dichlorobenzene	7.90	146	96733	44.309	ng	97
13) 1,4-Dichlorobenzene	8.05	146	97734	44.061	ng	97
14) 1,2-Dichlorobenzene	8.36	146	94940	44.554	ng	98
15) Benzyl Alcohol	8.25	79	86188	35.788	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.53	45	91236	51.863	ng	74
17) 2-Methylphenol	8.46	107	77099	42.323	ng	# 91
18) Hexachloroethane	9.09	117	37479	44.191	ng	89
19) n-Nitroso-di-n-propylamine	8.81	70	77586	34.741	ng	90
20) 3+4-Methylphenols	8.79	107	103242	40.853	ng	92
22) Acetophenone	8.83	105	147214	47.309	ng	# 93
24) Nitrobenzene	9.22	77	126797	52.635	ng	93
25) Isophorone	9.73	82	220103	49.499	ng	97
26) 2-Nitrophenol	9.93	139	50455	58.973	ng	# 91
27) 2,4-Dimethylphenol	9.99	122	78317	54.078	ng	84
28) bis(2-Chloroethoxy)methane	10.21	93	117265	47.859	ng	98
29) 2,4-Dichlorophenol	10.47	162	93385	56.488	ng	93
30) 1,2,4-Trichlorobenzene	10.67	180	109317	53.926	ng	99
31) Naphthalene	10.86	128	265689	50.971	ng	97
32) Benzoic acid	10.16	122	23180m	23.776	ng	
33) 4-Chloroaniline	11.00	127	5456	2.402	ng	# 86
34) Hexachlorobutadiene	11.14	225	87789	55.536	ng	96
35) Caprolactam	11.76	113	23908m	33.700	ng	
36) 4-Chloro-3-methylphenol	12.10	107	113650	51.288	ng	95
37) 2-Methylnaphthalene	12.46	142	204682	52.707	ng	96
39) 1,2,4,5-Tetrachlorobenzene	12.83	216	145474	54.177	ng	98
40) Hexachlorocyclopentadiene	12.80	237	172292	122.347	ng	92

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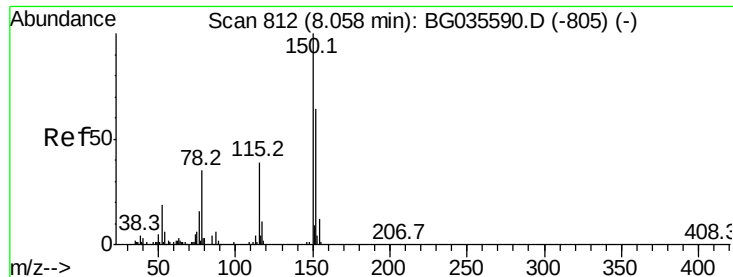
Manual Integrations
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Sohil
 8/9/2018 3:17:03 PM

Quant Time: Aug 09 02:22:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.07	196	91363	58.182	nq	94
43) 2,4,5-Trichlorophenol	13.16	196	96436	54.896	nq	95
45) 1,1'-Biphenyl	13.47	154	279863	50.740	nq	98
46) 2-Chloronaphthalene	13.51	162	224036	52.219	nq	98
47) 2-Nitroaniline	13.72	65	75121	49.527	nq	96
48) Acenaphthylene	14.36	152	372312	51.805	nq	95
49) Dimethylphthalate	14.09	163	310646	49.838	nq	98
50) 2,6-Dinitrotoluene	14.21	165	74800	58.930	nq #	85
51) Acenaphthene	14.70	154	216236	48.300	nq	99
52) 3-Nitroaniline	14.54	138	19271	14.854	nq #	93
53) 2,4-Dinitrophenol	14.76	184	61432	92.954	nq #	69
54) Dibenzofuran	15.03	168	372124	52.265	nq	92
55) 4-Nitrophenol	14.87	139	75777	82.018	nq #	85
56) 2,4-Dinitrotoluene	15.00	165	110762	60.825	nq #	85
57) Fluorene	15.68	166	308234	51.652	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.27	232	103587	61.501	nq	94
59) Diethylphthalate	15.45	149	319621	49.868	nq	97
60) 4-Chlorophenyl-phenylether	15.67	204	183055	52.191	nq	97
61) 4-Nitroaniline	15.71	138	59494	43.841	nq #	76
62) Azobenzene	15.97	77	313370	49.568	nq	96
64) 4,6-Dinitro-2-methylphenol	15.77	198	59555	51.959	nq	84
65) n-Nitrosodiphenylamine	15.89	169	280824	47.916	nq	99
66) 4-Bromophenyl-phenylether	16.56	248	129271	54.115	nq	99
67) Hexachlorobenzene	16.69	284	130638	53.104	nq	94
68) Atrazine	16.83	200	137798	57.105	nq	97
69) Pentachlorophenol	17.03	266	124685	83.212	nq	97
70) Phenanthrene	17.42	178	534333	52.007	nq	99
71) Anthracene	17.51	178	539853	52.770	nq	98
72) Carbazole	17.79	167	494112	50.858	nq	98
73) Di-n-butylphthalate	18.33	149	564800	49.194	nq #	97
74) Fluoranthene	19.43	202	729890	52.741	nq	97
76) Benzidine	19.64	184	12492	2.079	nq #	95
77) Pyrene	19.79	202	741342	51.303	nq	99
79) Butylbenzylphthalate	20.67	149	271085	52.460	nq #	94
80) Benzo(a)anthracene	21.62	228	742729	52.153	nq	99
81) 3,3'-Dichlorobenzidine	21.54	252	80232	16.157	nq #	95
82) Chrysene	21.69	228	694414	52.619	nq	98
83) Bis(2-ethylhexyl)phthalate	21.52	149	375210	53.409	nq #	99
84) Di-n-octyl phthalate	22.71	149	626665	53.276	nq #	92
85) Indeno(1,2,3-cd)pyrene	28.46	276	757321	51.832	nq #	93
87) Benzo(b)fluoranthene	23.82	252	702041	51.589	nq #	96
88) Benzo(k)fluoranthene	23.88	252	697513	52.428	nq #	97
89) Benzo(a)pyrene	24.68	252	676135	53.406	nq #	93
90) Dibenzo(a,h)anthracene	28.52	278	633385	50.960	nq #	95
91) Benzo(g,h,i)perylene	29.60	276	627329	51.579	nq #	92

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



#1

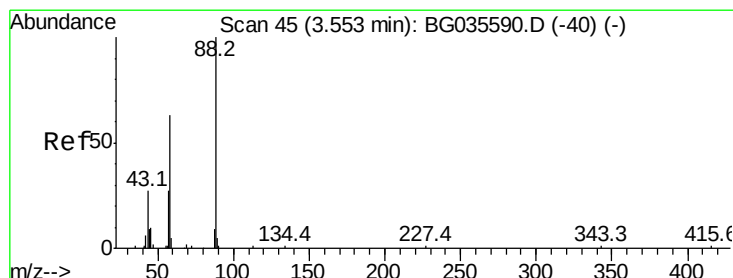
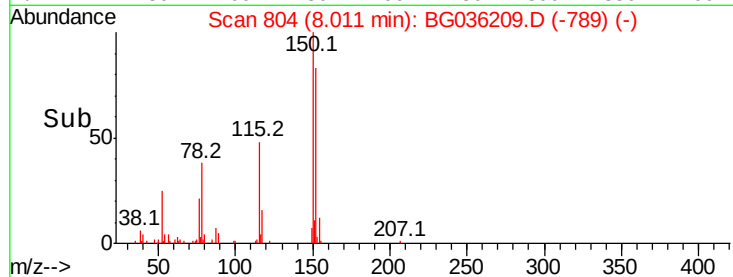
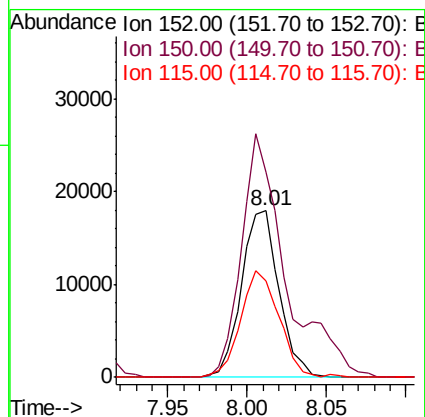
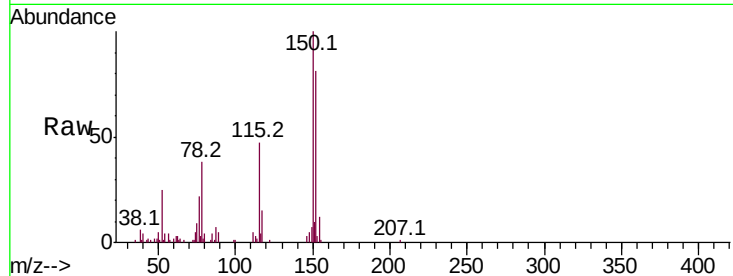
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	123.4	126.6	189.8#
115	58.2	53.0	79.4

Manual Integrations
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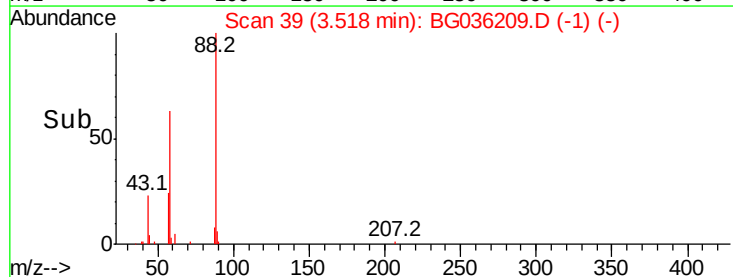
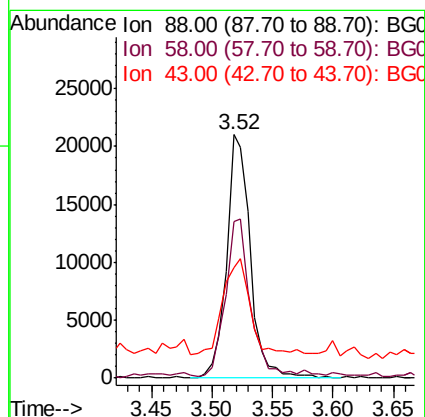
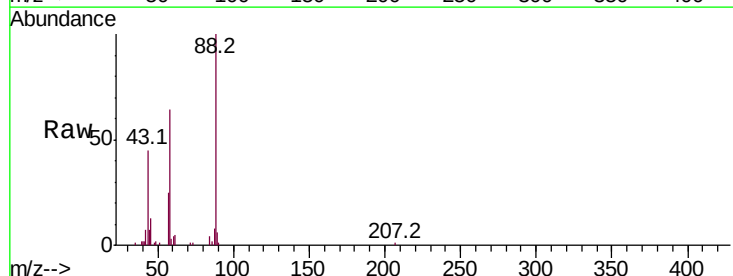
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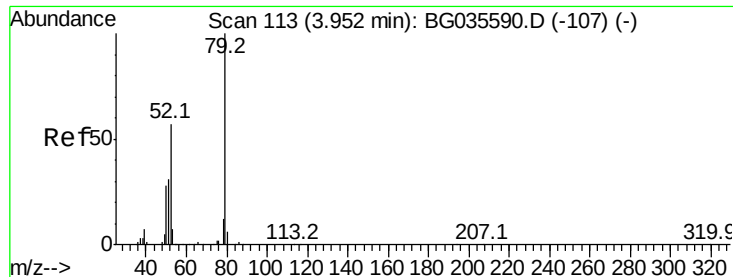


#2

1,4-Dioxane
Concen: 31.514 ng
RT: 3.52 min Scan# 39
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	79.6	119.4#
43	42.5	27.4	41.0#





#3

Pvridine

Concen: 12.813 ng

RT: 3.93 min Scan# 109

Delta R.T. 0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

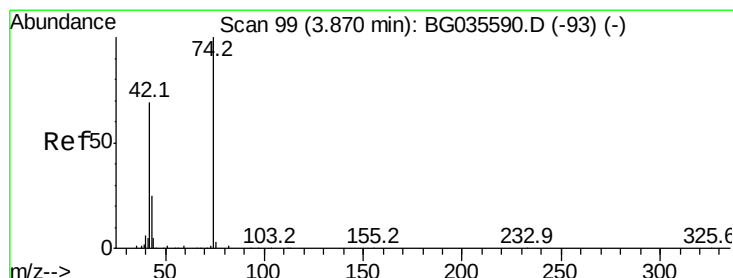
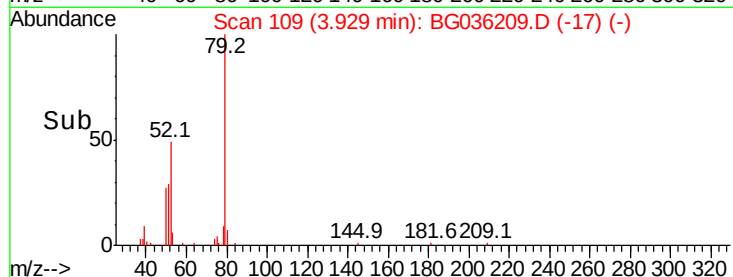
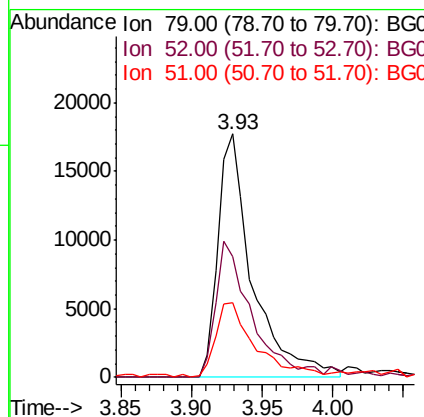
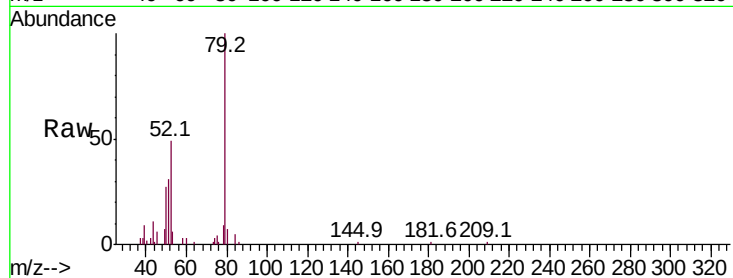
ClientSampleId :

155-SOILMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	49.4	69.9	104.9#
51	30.9	34.0	51.0#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 37.149 ng

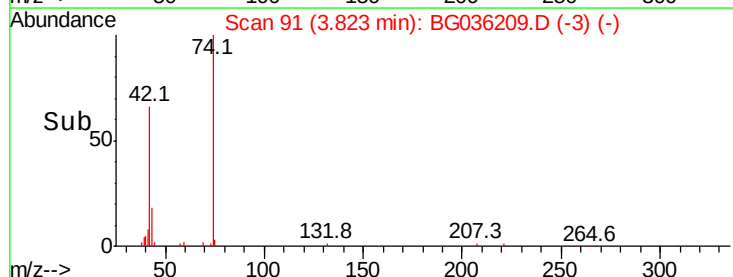
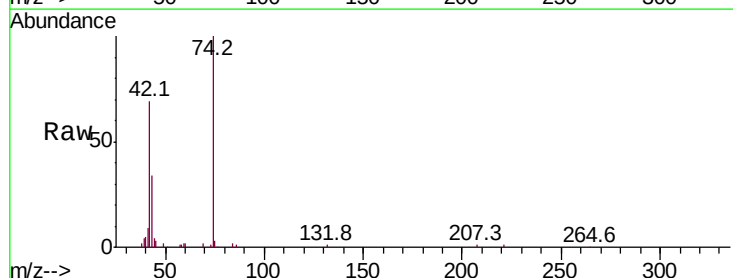
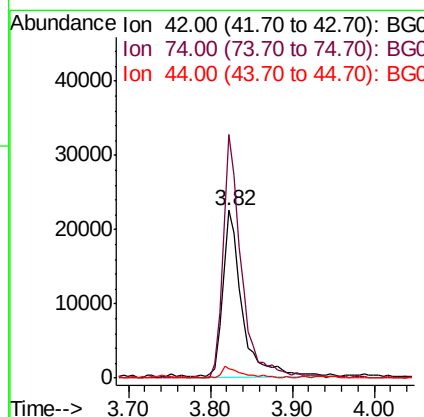
RT: 3.82 min Scan# 91

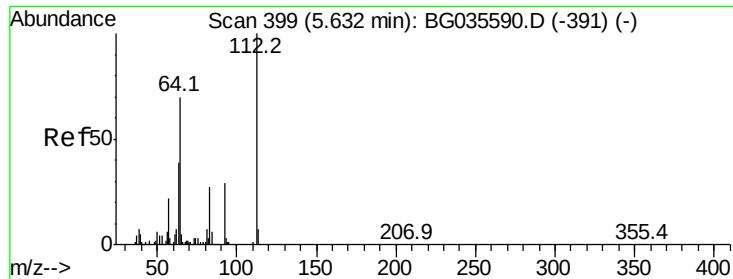
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
42	100		
74	145.0	102.5	153.7
44	5.5	18.9	28.3#





#5

2-Fluorophenol

Concen: 128.644 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

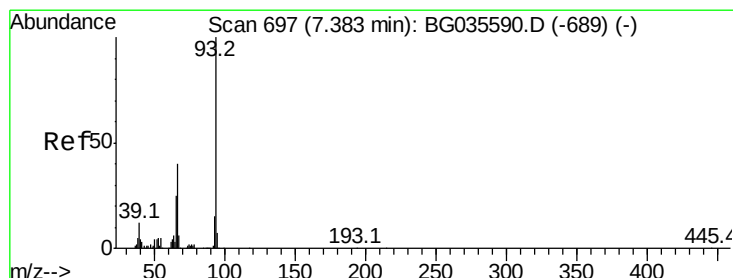
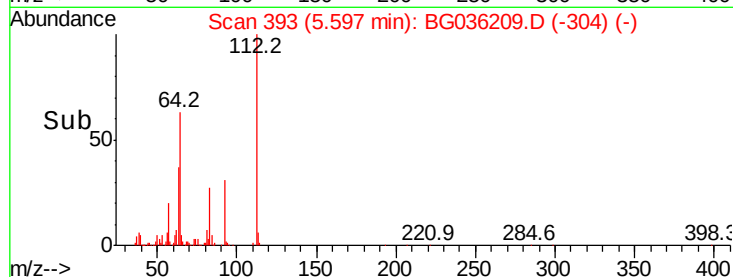
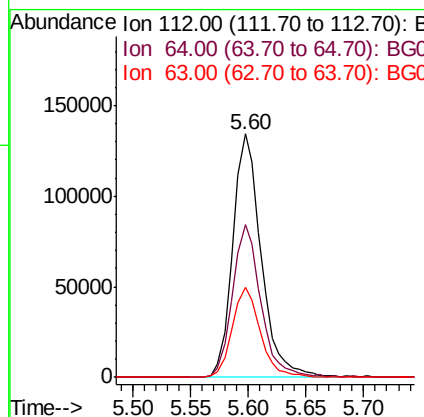
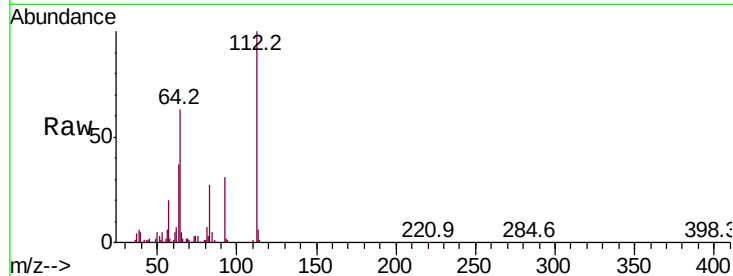
ClientSampleId :

155-SOILMSD

Tot Ion:	112	Resp:	228667
Ion Ratio	Lower	Upper	
112	100		
64	62.9	56.3	84.5
63	36.9	30.1	45.1

Manual Integrations
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#6

Aniline

Concen: 7.156 ng

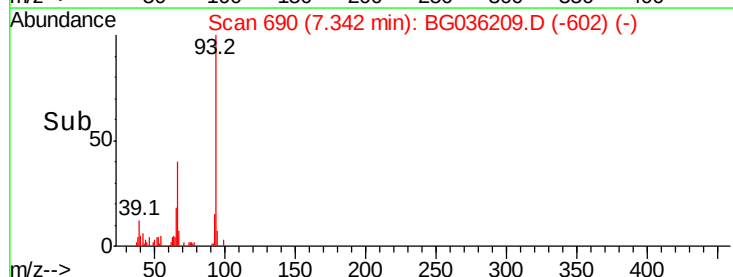
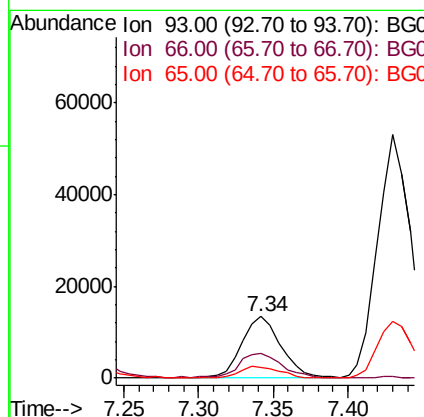
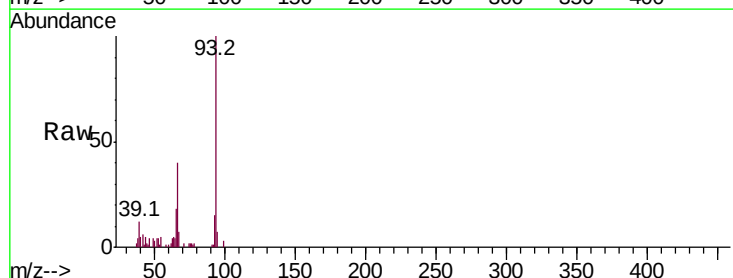
RT: 7.34 min Scan# 690

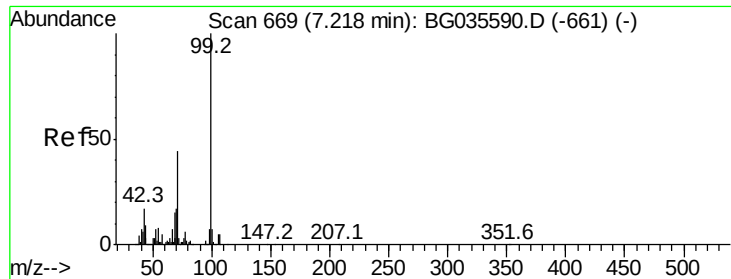
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	93	Resp:	24599
Ion Ratio	Lower	Upper	
93	100		
66	40.1	33.7	50.5
65	18.1	16.1	24.1





#7

Phenol-d6

Concen: 113.921 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

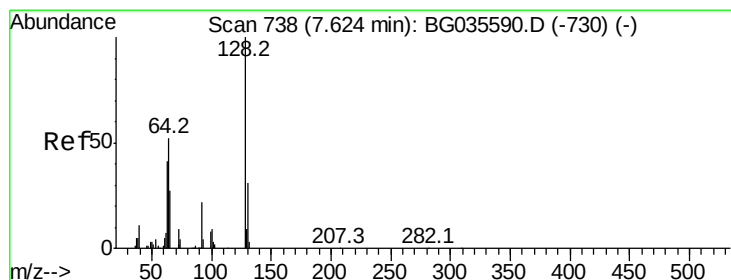
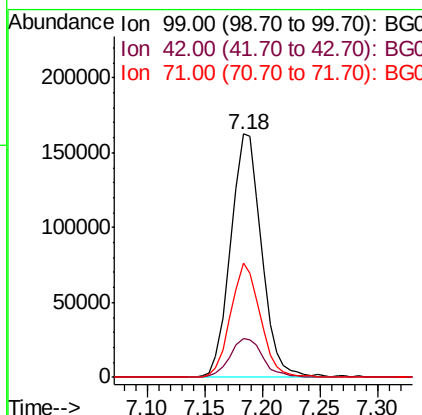
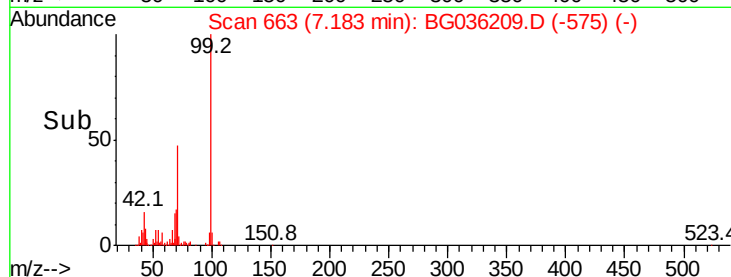
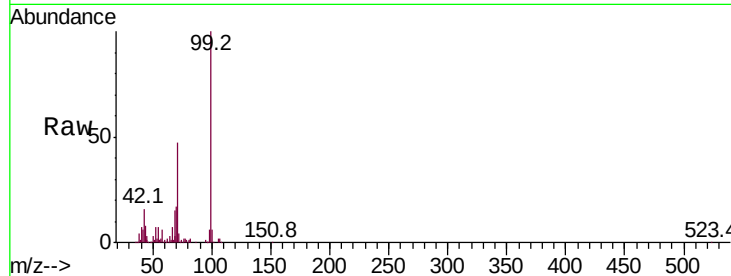
ClientSampleId :

155-SOILMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		302122		
42	15.9	14.1	21.1		
71	47.1	26.1	39.1		

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#8

2-Chlorophenol

Concen: 45.281 ng

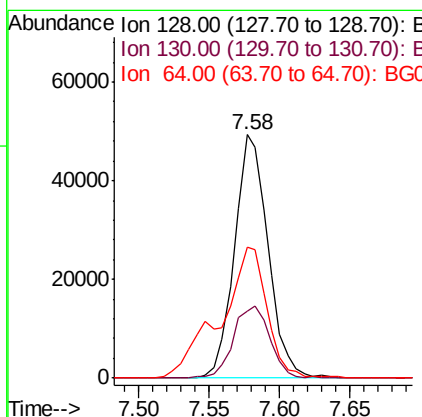
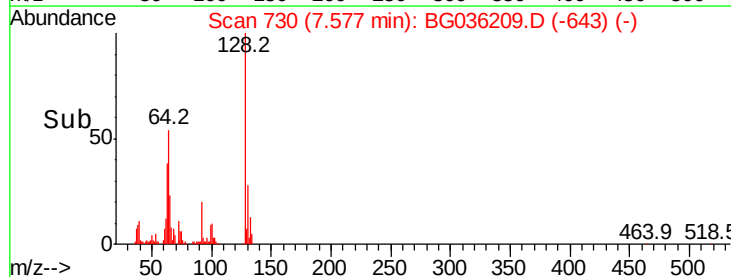
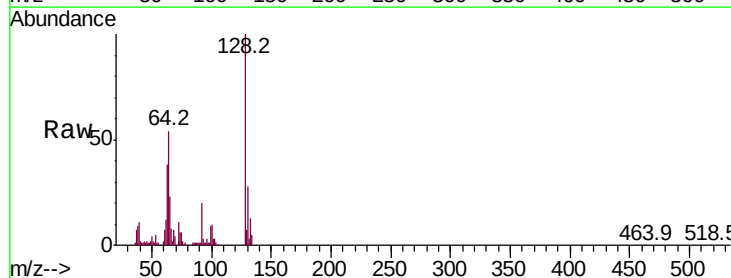
RT: 7.58 min Scan# 730

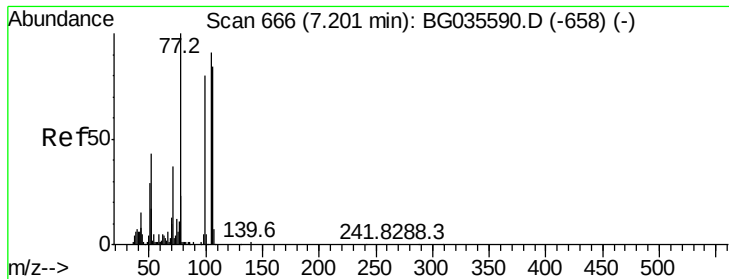
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		81860		
130	27.7	14.0	54.0		
64	53.8	37.7	77.7		





#9

Benzaldehyde

Concen: 46.259 ng

RT: 7.15 min Scan# 658

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

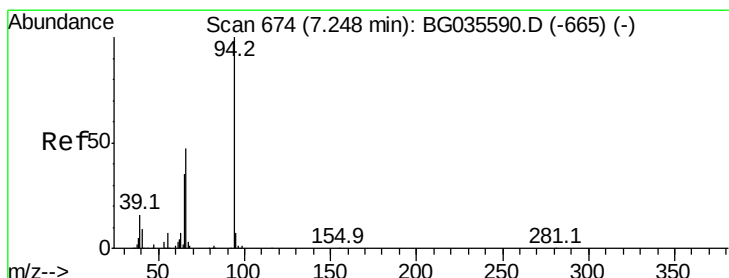
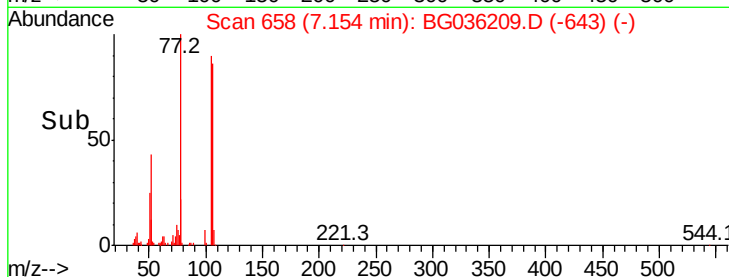
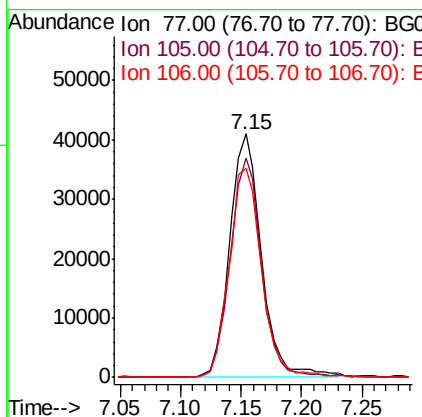
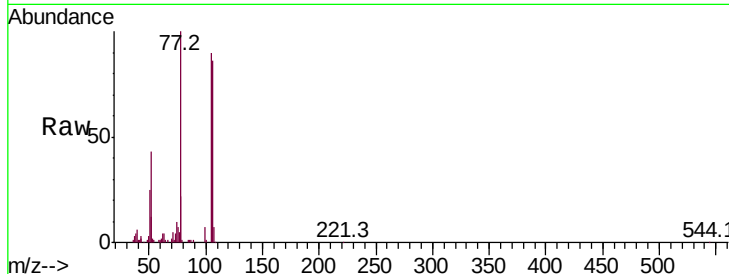
ClientSampled :

155-SOILMSD

Tot Ion:	77	Resp:	75274
Ion	Ratio	Lower	Upper
77	100		
105	90.3	71.3	111.3
106	85.8	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 38.625 ng

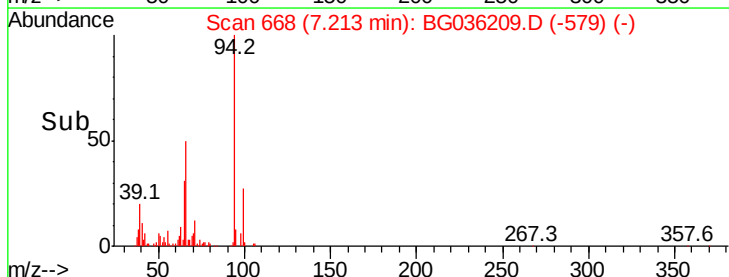
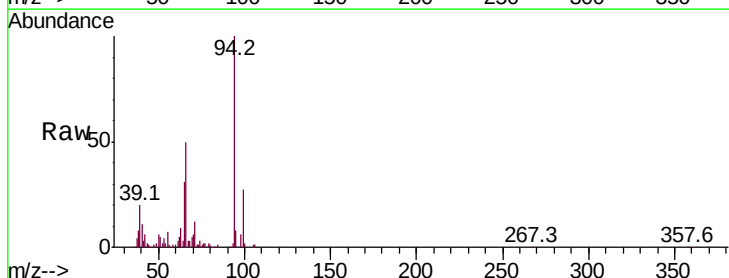
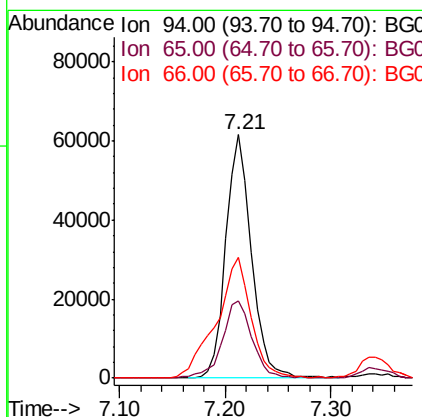
RT: 7.21 min Scan# 668

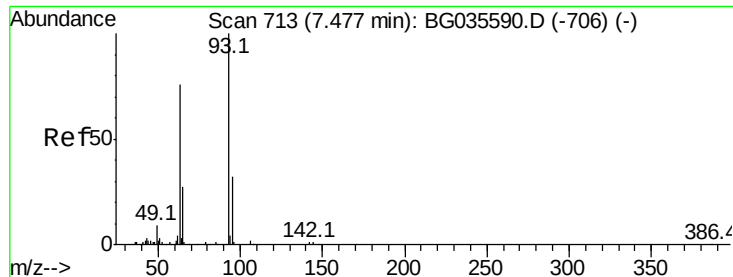
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	94	Resp:	103490
Ion	Ratio	Lower	Upper
94	100		
65	31.5	11.9	51.9
66	49.7	22.2	62.2





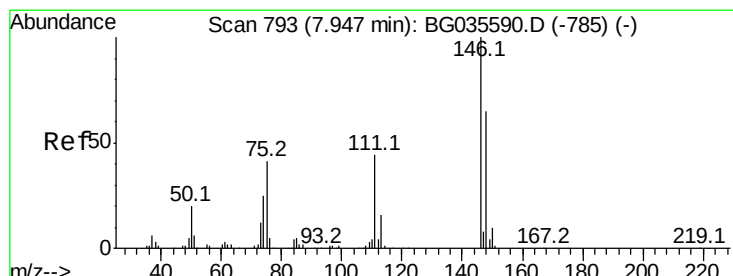
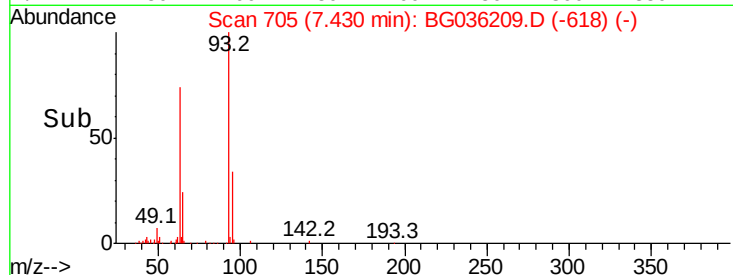
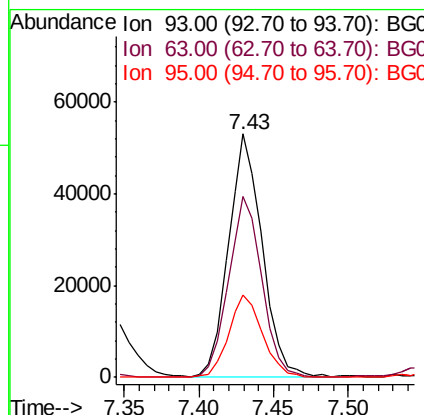
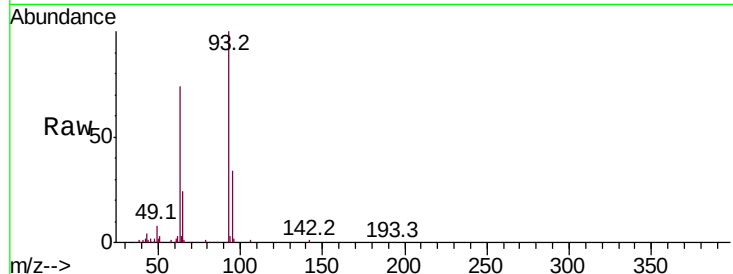
#11
bis(2-Chloroethyl)ether
Concen: 39.561 ng
RT: 7.43 min Scan# 705
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	74.1	67.1	107.1	
95	33.6	11.5	51.5	

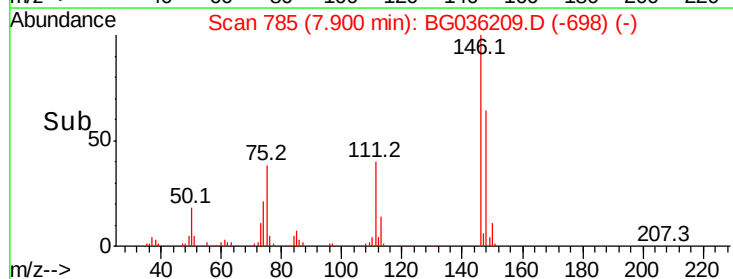
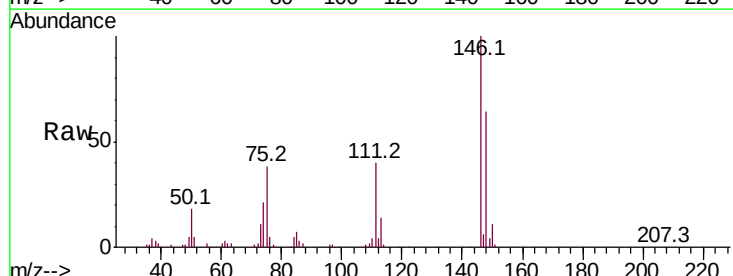
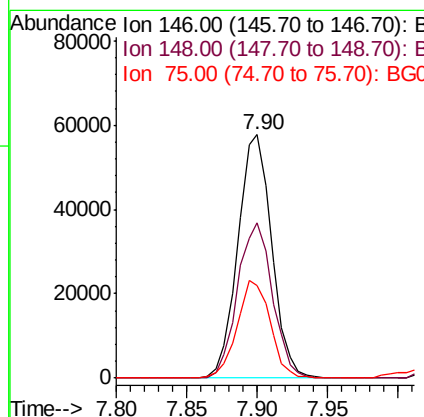
Manual Integrations
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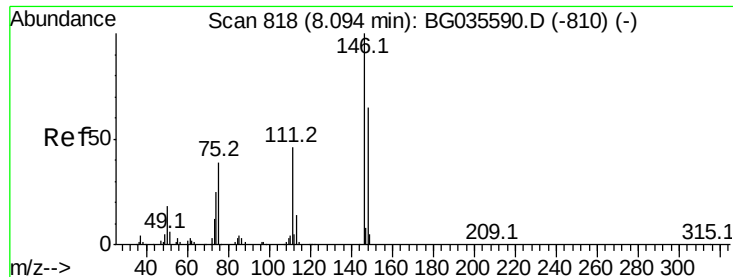
Sohil
8/9/2018 3:17:03 PM



#12
1,3-Dichlorobenzene
Concen: 44.309 ng
RT: 7.90 min Scan# 785
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.0	51.4	77.2	
75	38.1	26.6	39.8	





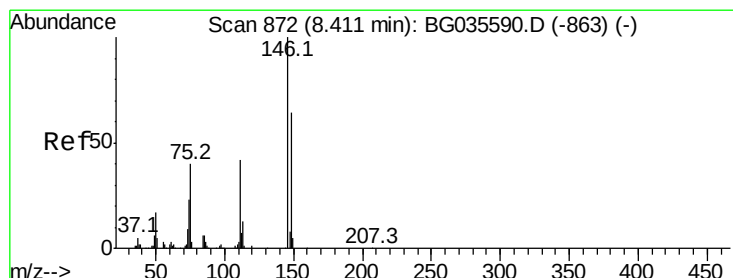
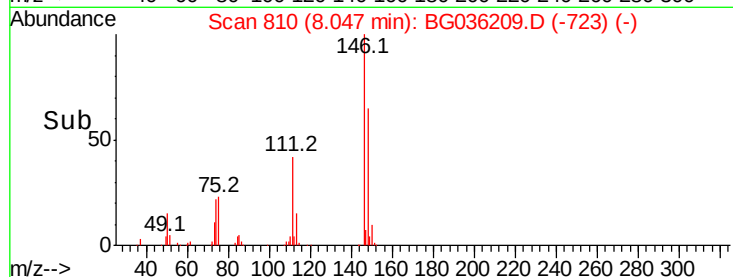
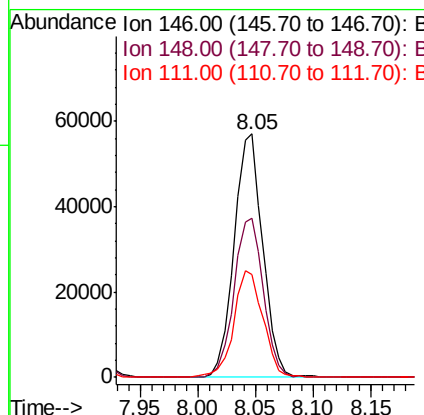
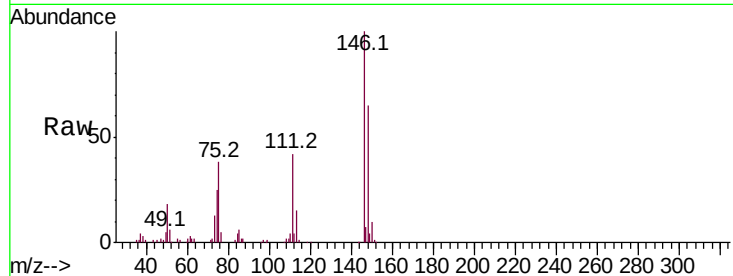
#13
 1,4-Dichlorobenzene
 Concen: 44.061 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampled :
 155-SOILMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	53.7	80.5
111	42.0	35.2	52.8

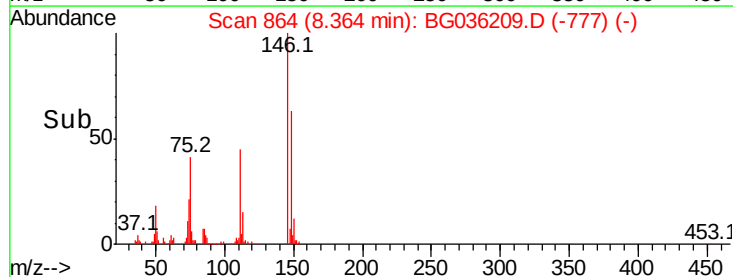
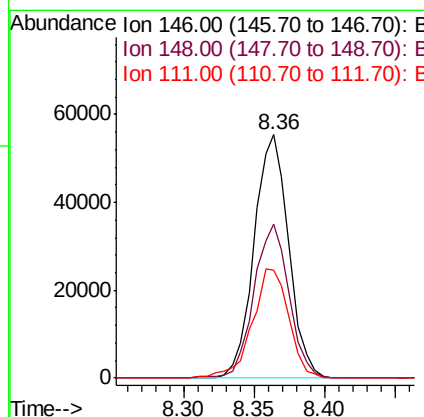
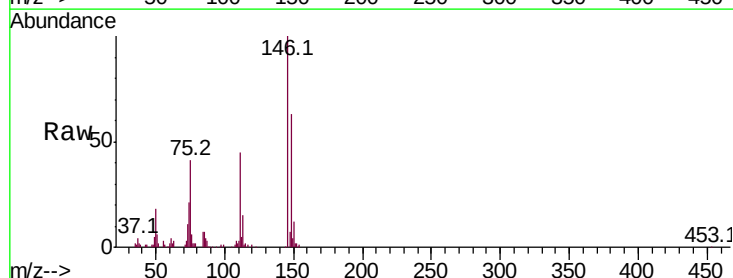
Manual Integrations
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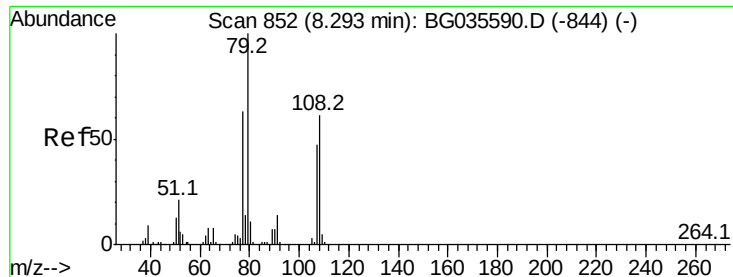
Sohil
 8/9/2018 3:17:03 PM



#14
 1,2-Dichlorobenzene
 Concen: 44.554 ng
 RT: 8.36 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	49.3	73.9
111	44.5	34.3	51.5





#15

Benzyl Alcohol

Concen: 35.788 ng

RT: 8.25 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

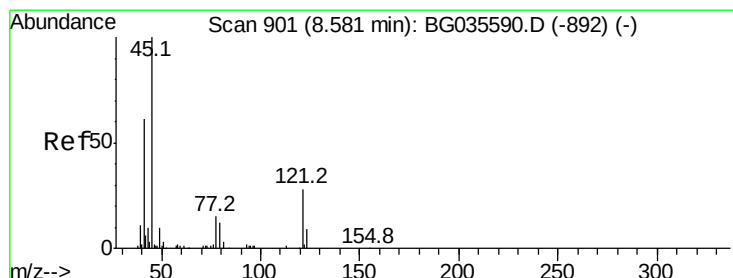
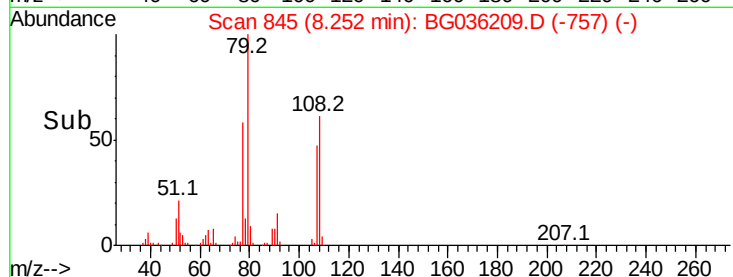
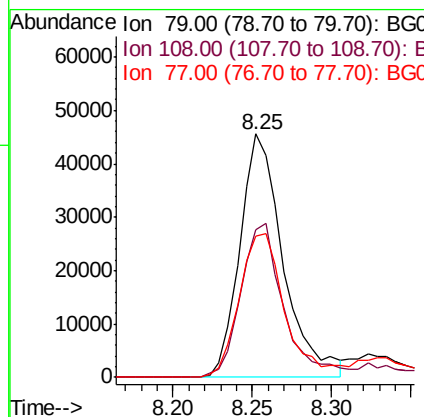
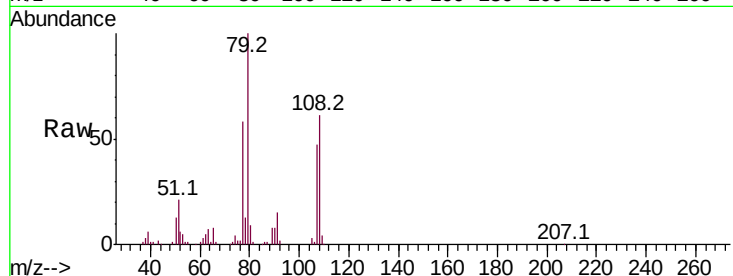
ClientSampleId :

155-SOILMSD

Tot Ion:	79	Resp:	86188
Ion Ratio	Lower	Upper	
79	100		
108	60.6	57.2	85.8
77	57.9	46.1	69.1

Manual Integrations
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Sohil
8/9/2018 3:17:03 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.863 ng

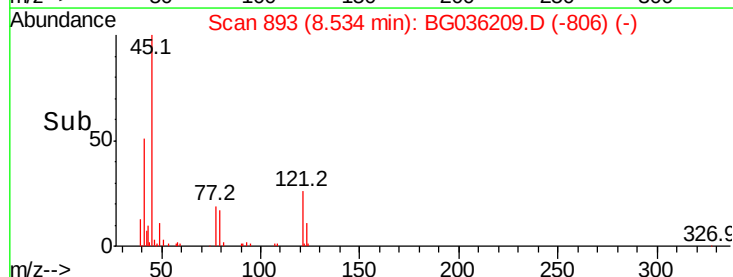
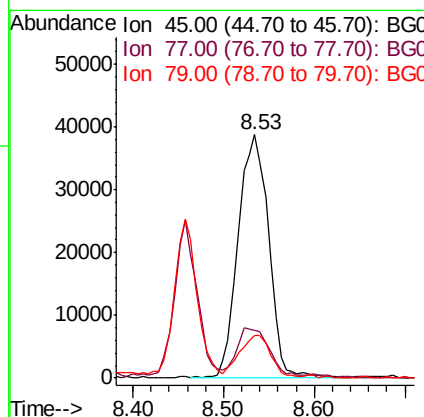
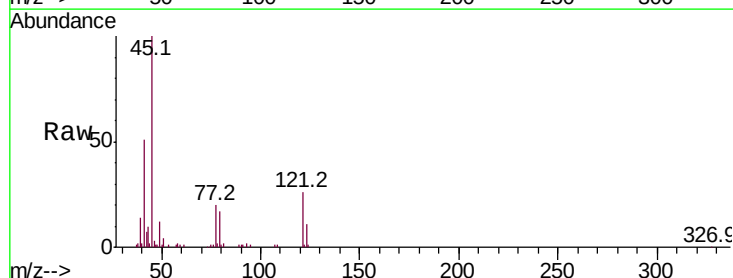
RT: 8.53 min Scan# 893

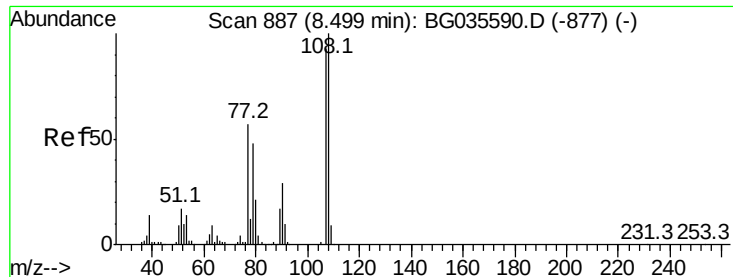
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	45	Resp:	91236
Ion Ratio	Lower	Upper	
45	100		
77	19.8	0.0	30.2
79	17.5	0.0	27.9





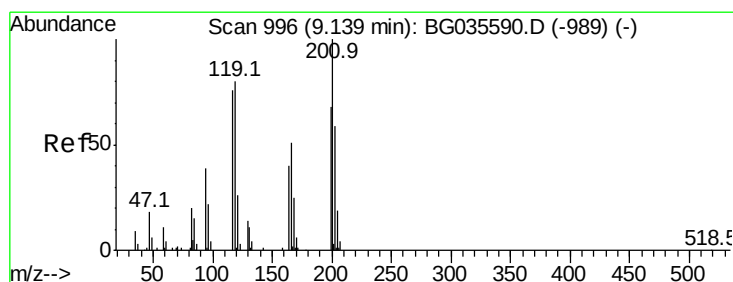
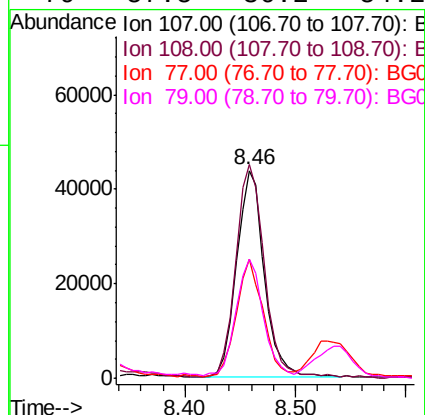
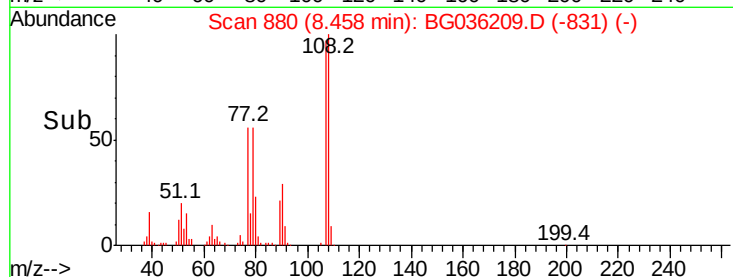
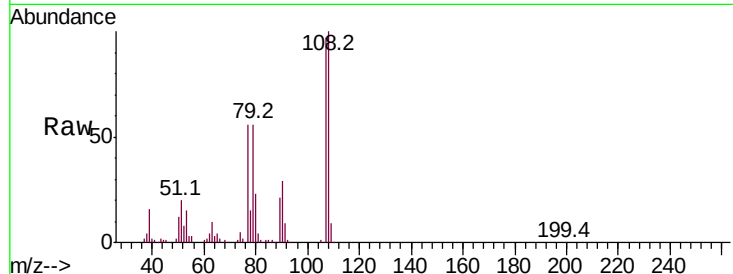
#17
2-Methylphenol
Concen: 42.323 ng
RT: 8.46 min Scan# 880
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	102.7	83.9	125.9	
77	57.3	37.2	55.8	
79	57.5	36.2	54.2	

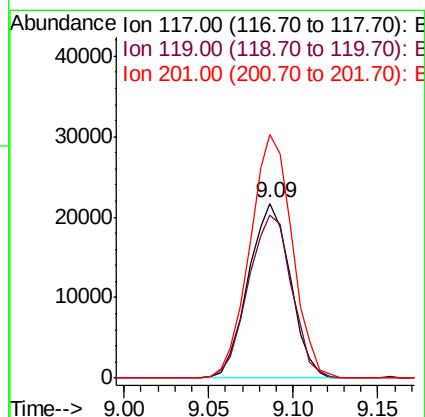
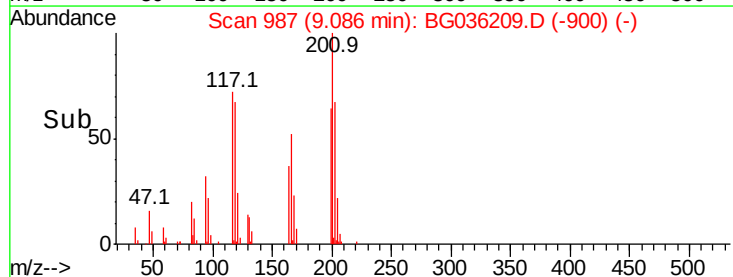
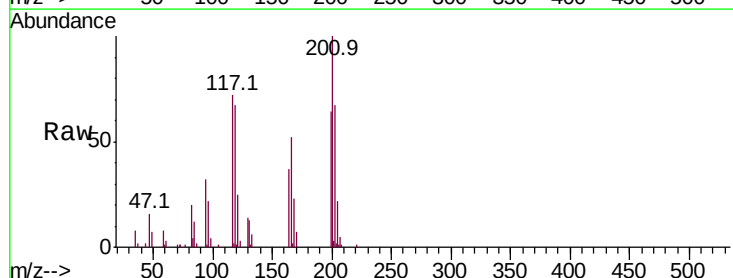
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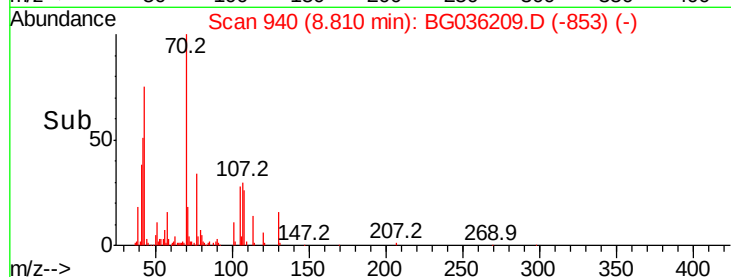
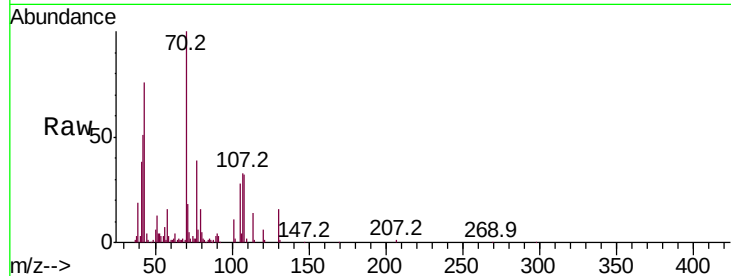
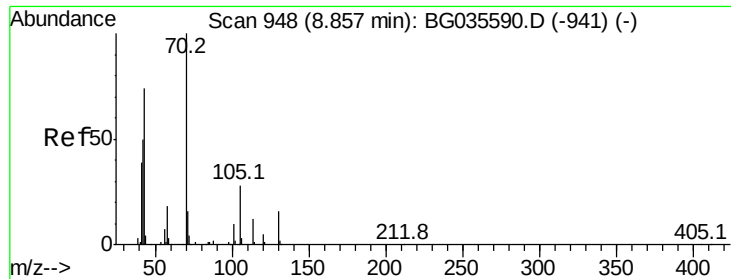
Sohil
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#18
Hexachloroethane
Concen: 44.191 ng
RT: 9.09 min Scan# 987
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.5	76.7	115.1	
201	139.1	95.7	143.5	





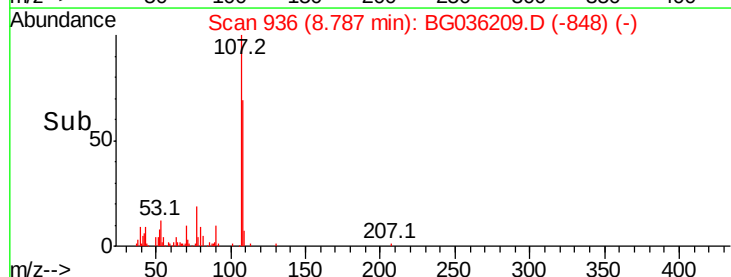
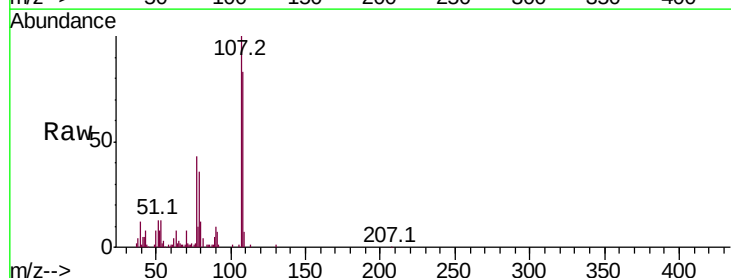
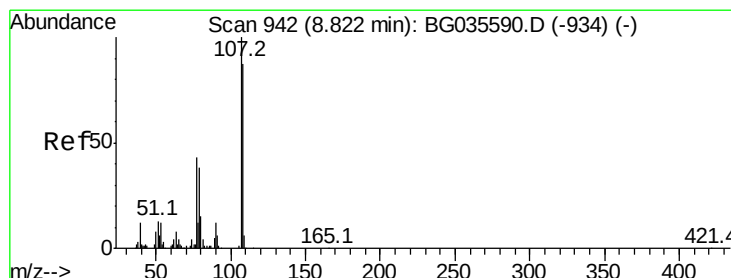
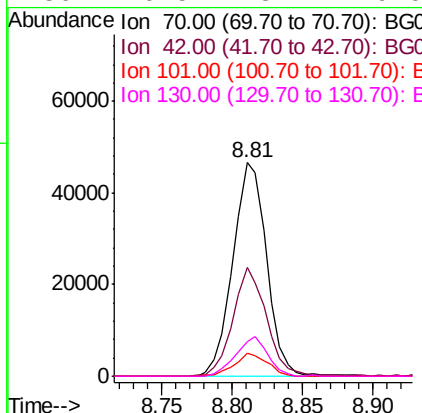
#19
n-Nitroso-di-n-propylamine
Concen: 34.741 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	51.0	49.1	73.7		
101	10.7	8.5	12.7		
130	16.5	13.4	20.0		

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

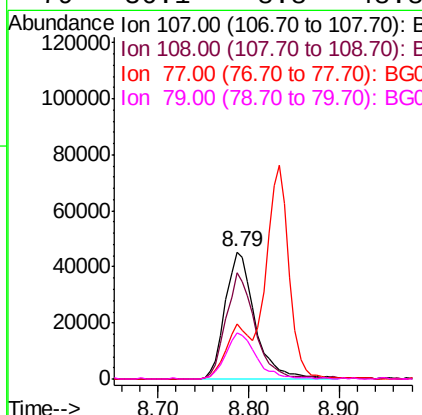
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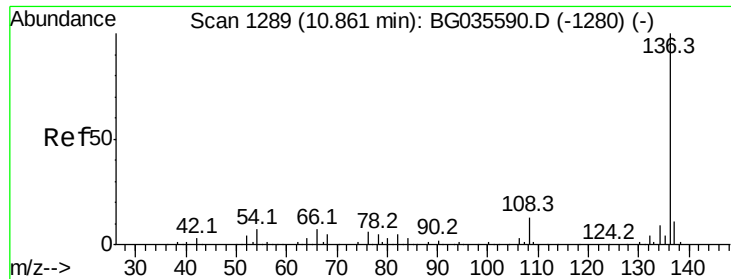
Sohil
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#20
3+4-Methylphenols
Concen: 40.853 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	83.4	61.6	101.6		
77	43.0	13.9	53.9		
79	36.1	8.8	48.8		





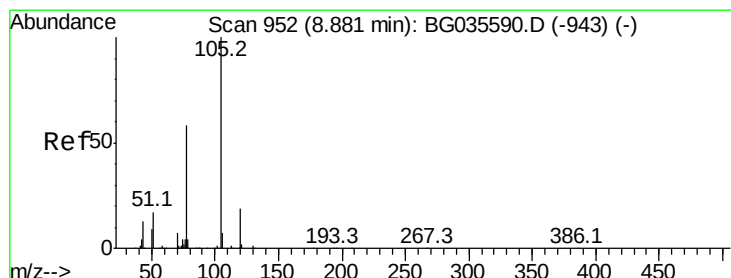
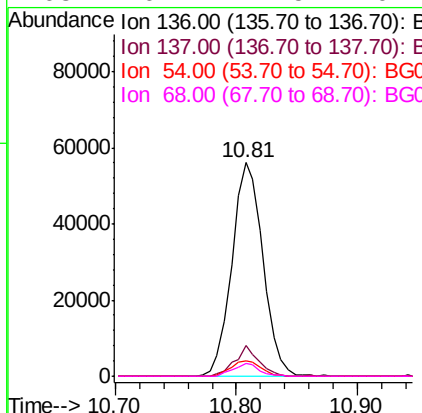
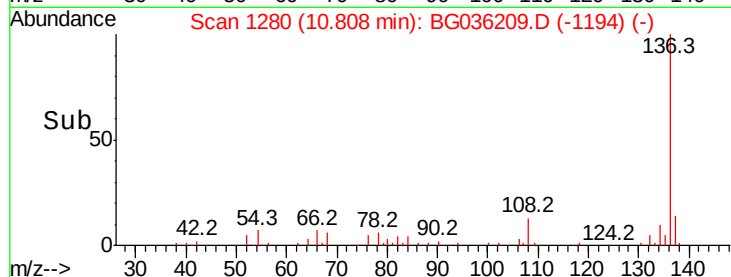
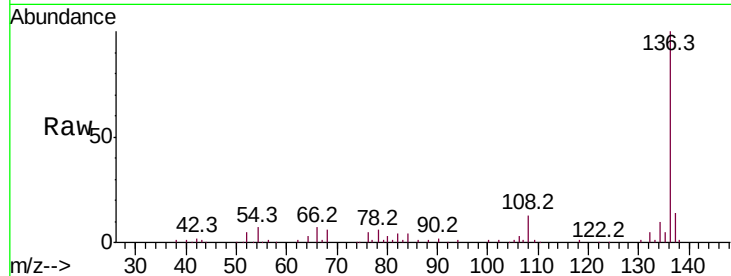
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	14.5	9.2	13.8#	
54	7.5	10.3	15.5#	
68	6.2	4.5	6.7	

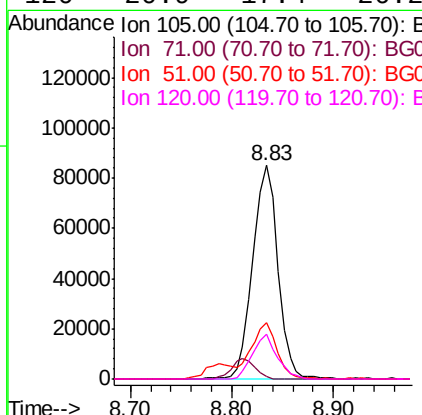
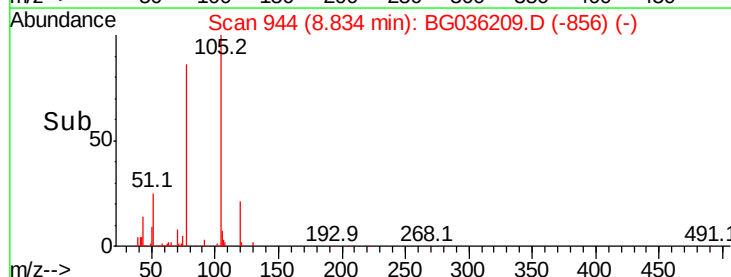
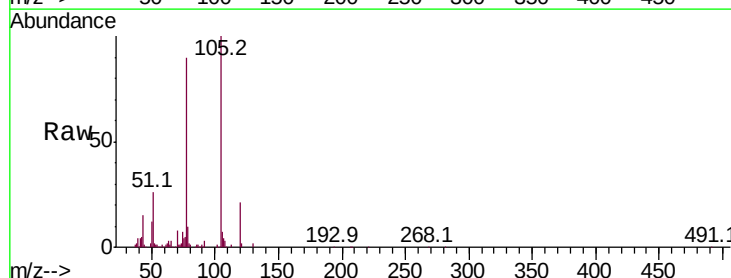
Manual Integrations
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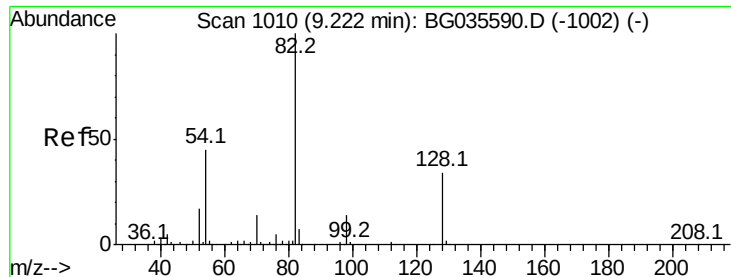
Sohil
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#22
Acetophenone
Concen: 47.309 ng
RT: 8.83 min Scan# 944
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.3	3.0	4.4#	
51	26.4	26.1	39.1	
120	20.9	17.4	26.2	





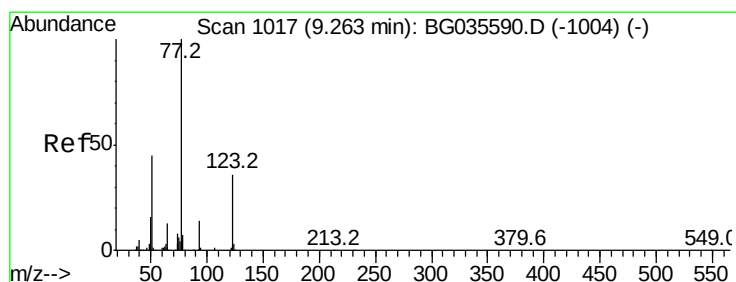
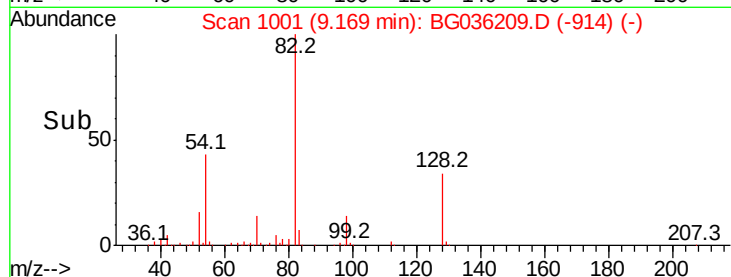
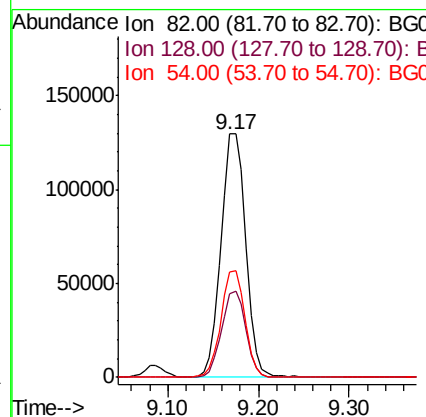
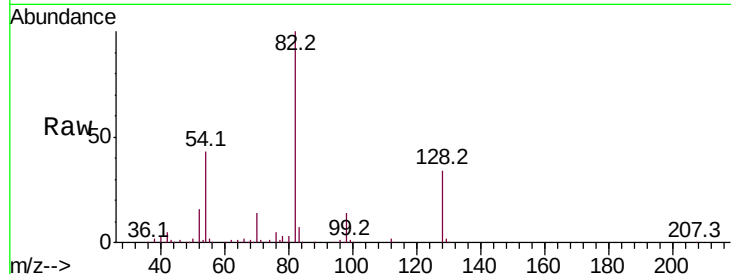
#23
 Nitrobenzene-d5
 Concen: 102.493 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.5	29.7	44.5	
54	43.4	43.1	64.7	

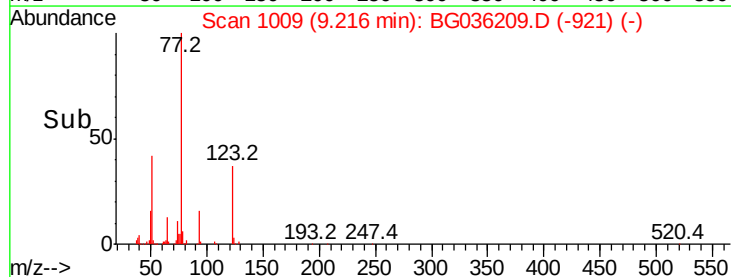
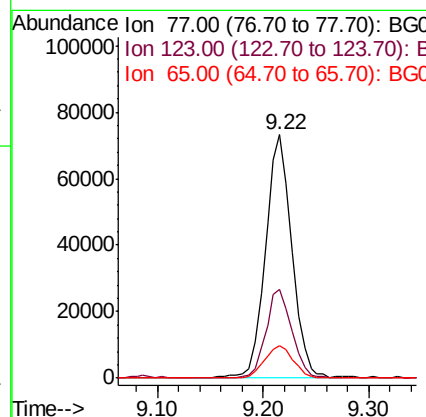
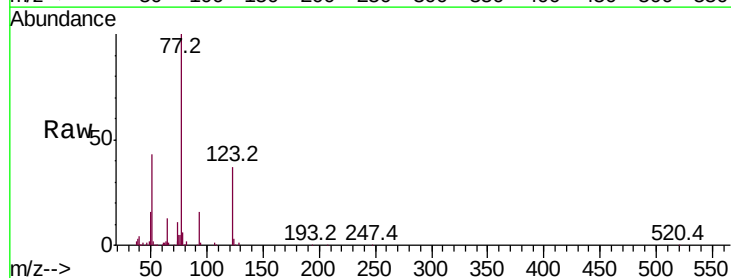
Manual Integrations
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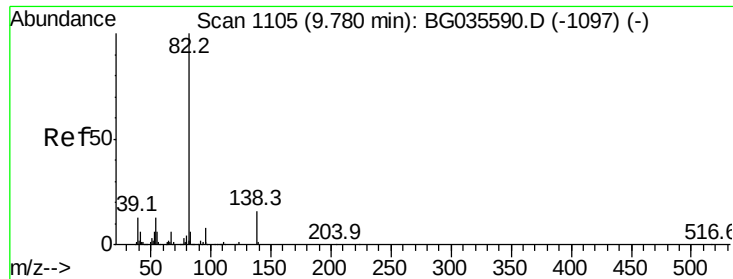
Sohil
 8/9/2018 3:17:03 PM



#24
 Nitrobenzene
 Concen: 52.635 ng
 RT: 9.22 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.5	33.0	49.6	
65	13.3	13.0	19.6	





#25

Isophorone

Concen: 49.499 ng

RT: 9.73 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

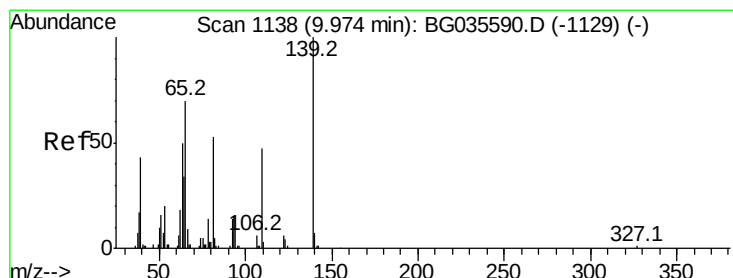
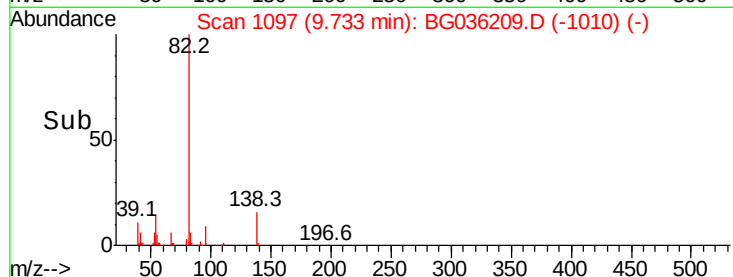
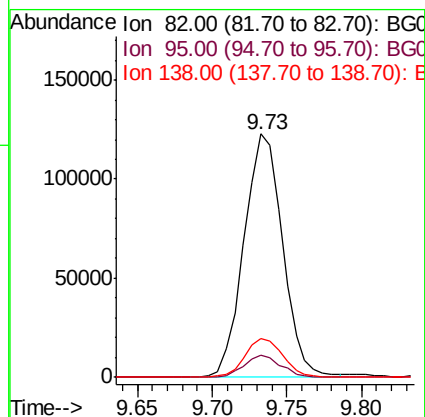
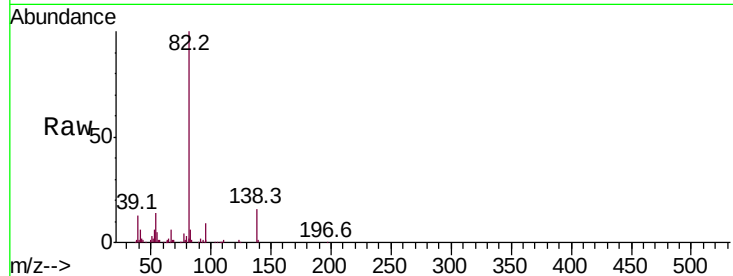
ClientSampleId :

155-SOILMSD

Tot Ion	82	Resp	220103
Ion Ratio	Lower	Upper	
82	100		
95	9.0	6.2	9.2
138	16.0	12.1	18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 58.973 ng

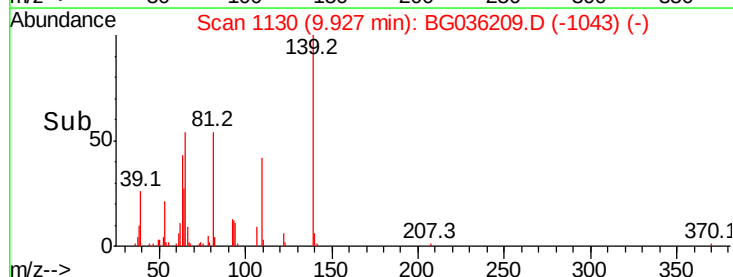
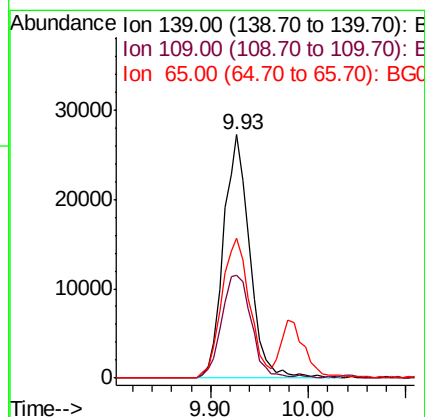
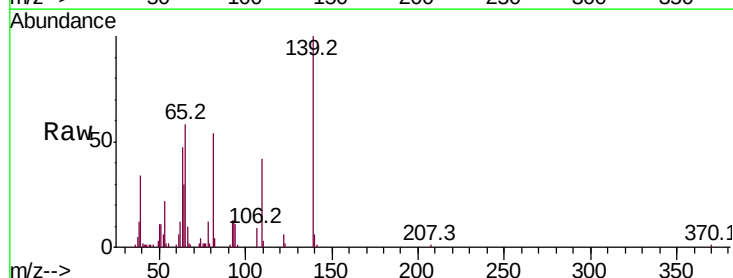
RT: 9.93 min Scan# 1130

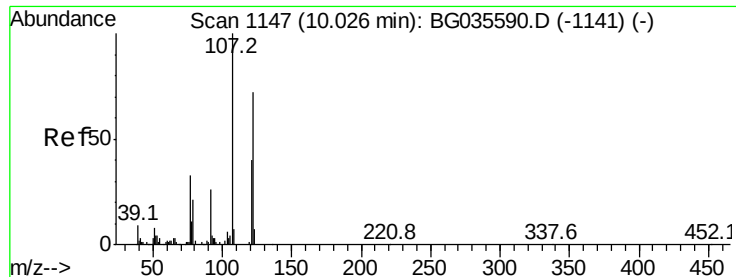
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion	139	Resp	50455
Ion Ratio	Lower	Upper	
139	100		
109	42.2	24.2	36.2#
65	57.6	47.4	71.0





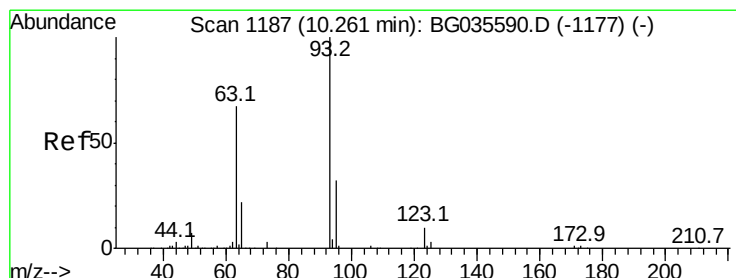
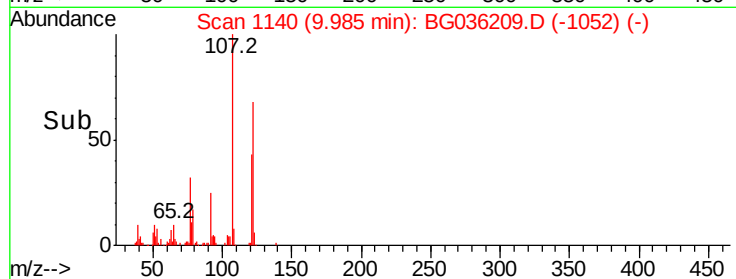
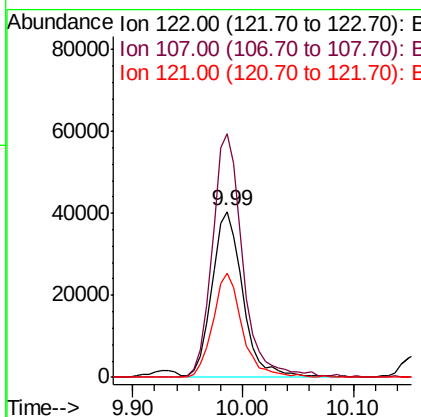
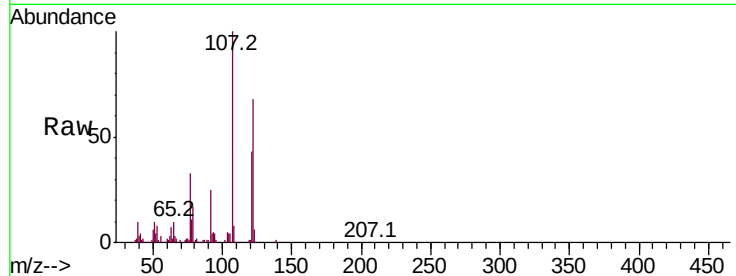
#27
2,4-Dimethylphenol
Concen: 54.078 ng
RT: 9.99 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	147.0	100.2	150.2
121	63.0	44.4	66.6

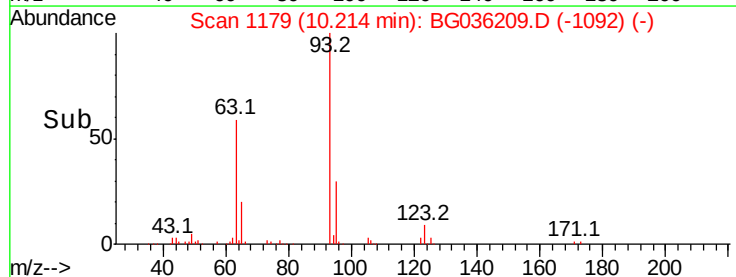
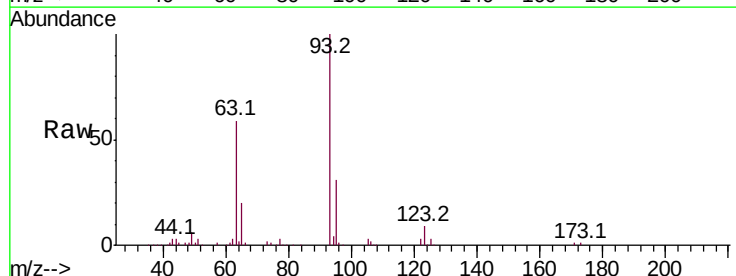
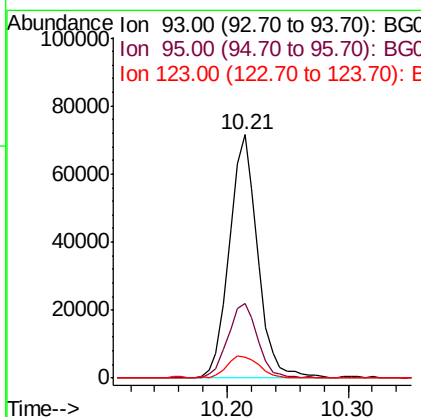
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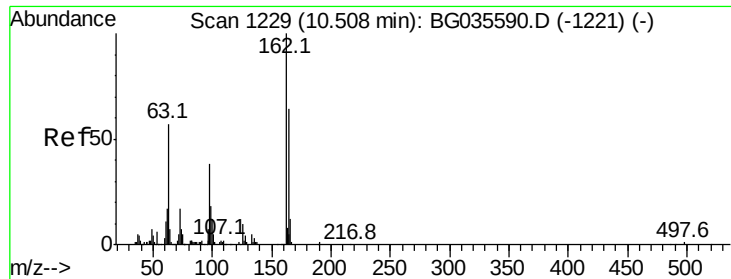
Sohil
8/9/2018 3:17:03 PM



#28
bis(2-Chloroethoxy)methane
Concen: 47.859 ng
RT: 10.21 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.7	24.3	36.5
123	8.8	8.4	12.6





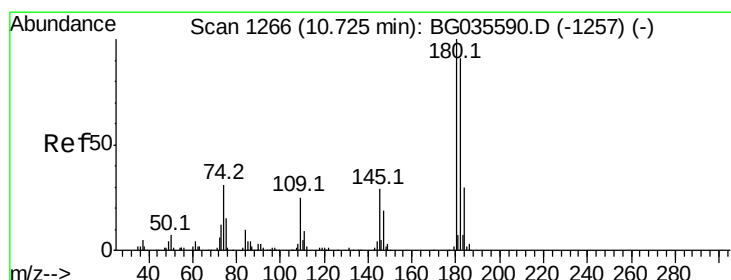
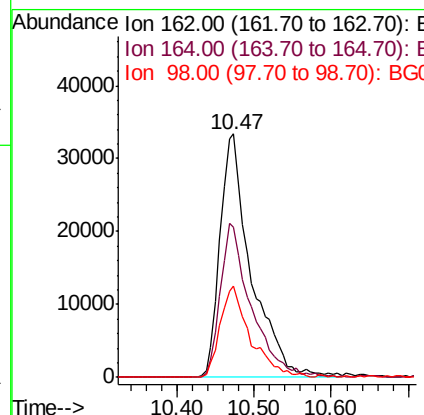
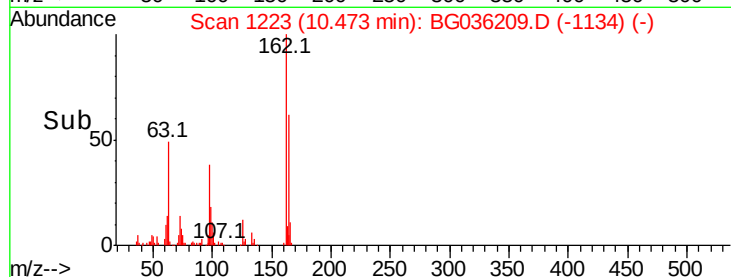
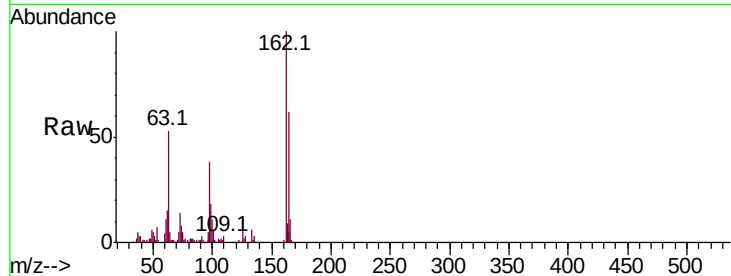
#29
 2,4-Dichlorophenol
 Concen: 56.488 ng
 RT: 10.47 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion:	162	Resp:	93385
Ion Ratio	Lower	Upper	
162	100		
164	61.8	48.0	88.0
98	37.7	21.1	61.1

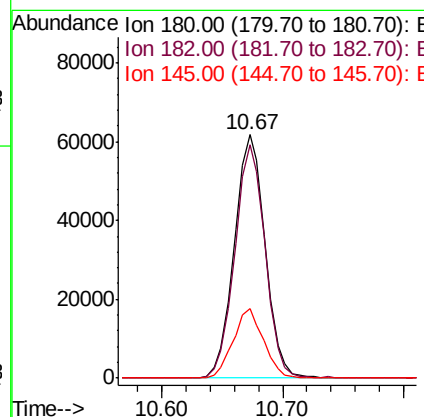
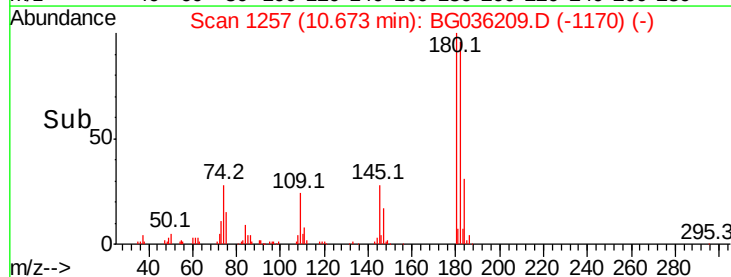
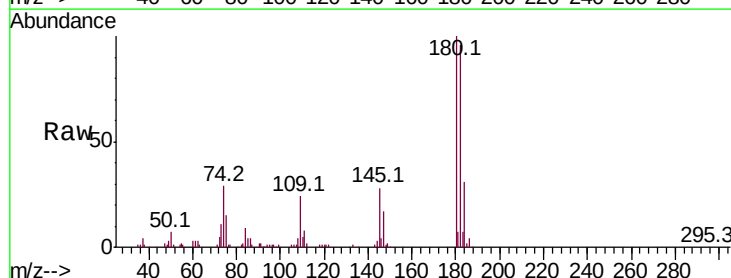
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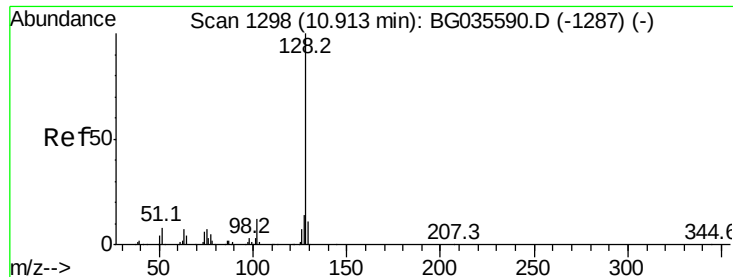
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 53.926 ng
 RT: 10.67 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion:	180	Resp:	109317
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.5	116.3
145	28.5	23.4	35.2





#31

Naphthalene

Concen: 50.971 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

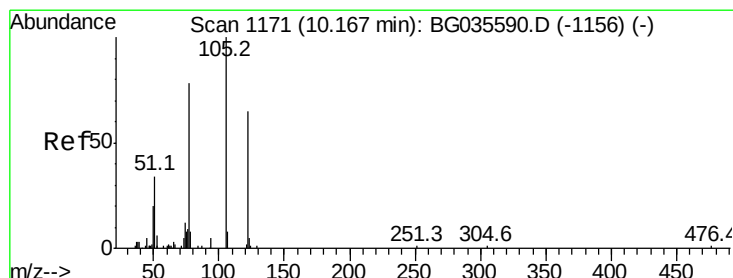
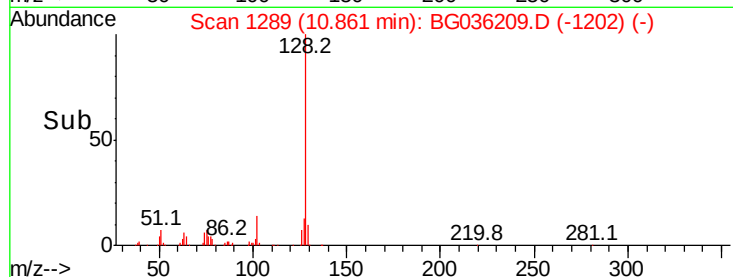
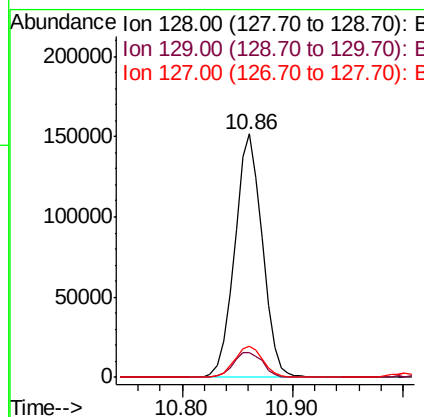
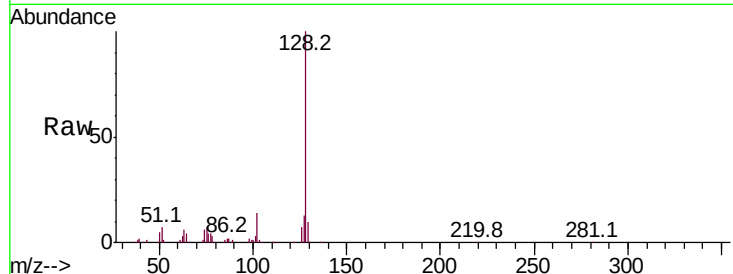
ClientSampleId :

155-SOILMSD

Tot Ion:	128	Resp:	265689
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.6	12.8
127	12.8	11.6	17.4

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#32

Benzoic acid

Concen: 23.776 ng m

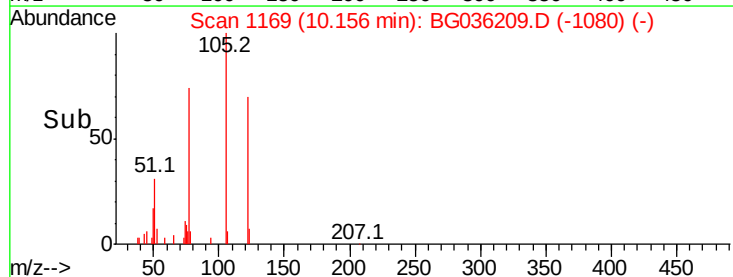
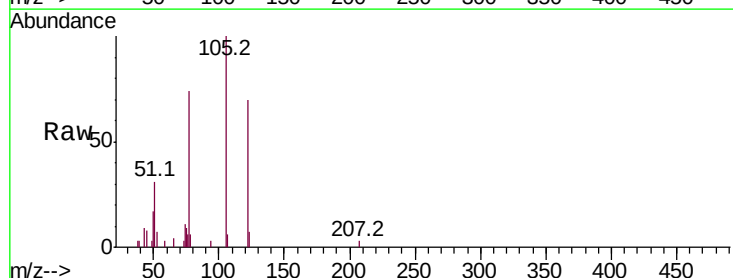
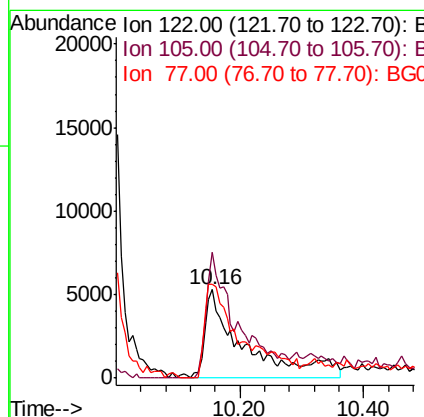
RT: 10.16 min Scan# 1169

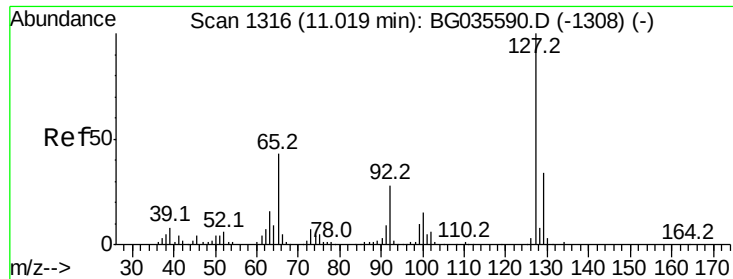
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	122	Resp:	23180
Ion Ratio	Lower	Upper	
122	100		
105	142.7	123.5	163.5
77	105.8	85.7	125.7





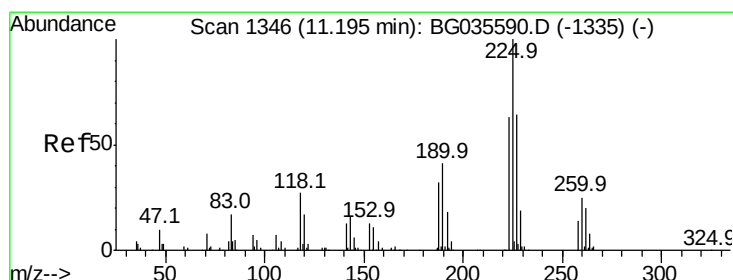
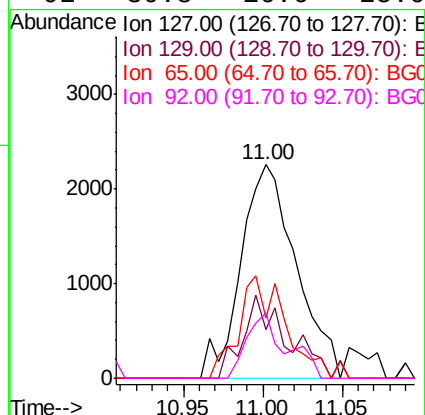
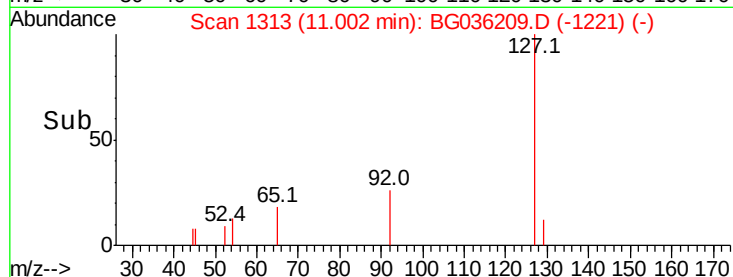
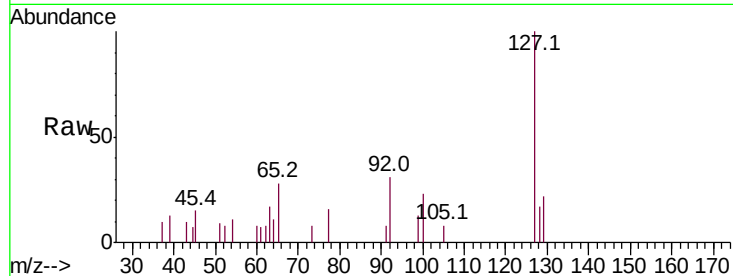
#33
4-Chloroaniline
Concen: 2.402 ng
RT: 11.00 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampled :
155-SOILMSD

Tot Ion:	127	Resp:	5456
Ion Ratio	Lower	Upper	
127	100		
129	22.5	24.0	36.0#
65	28.3	27.0	40.4
92	30.8	16.6	25.0#

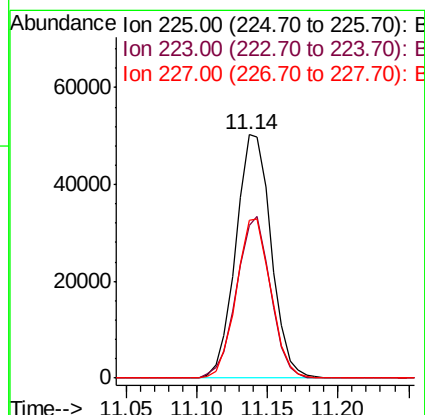
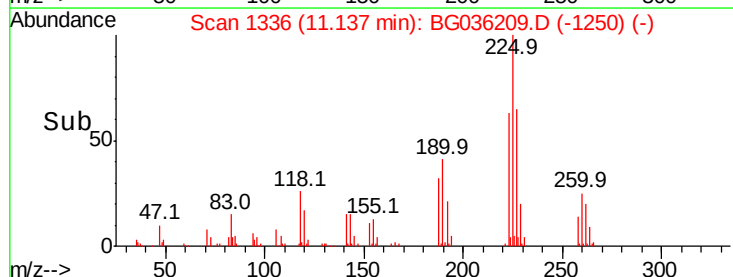
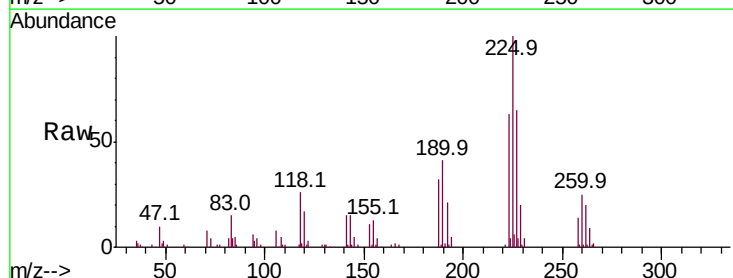
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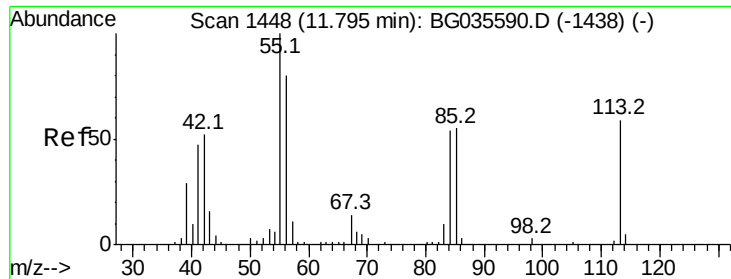
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#34
Hexachlorobutadiene
Concen: 55.536 ng
RT: 11.14 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion:	225	Resp:	87789
Ion Ratio	Lower	Upper	
225	100		
223	63.0	49.7	74.5
227	64.7	48.1	72.1





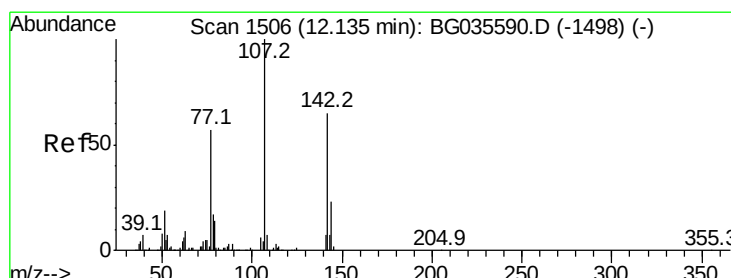
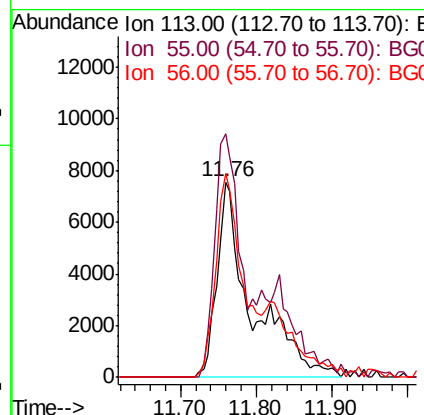
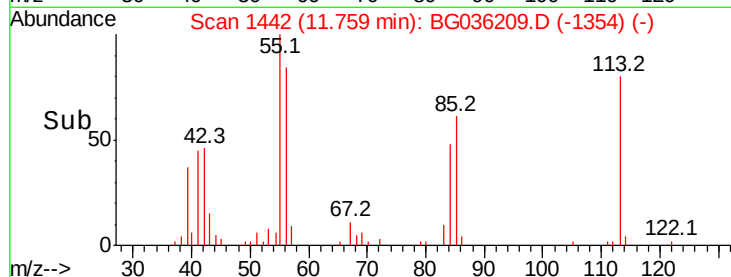
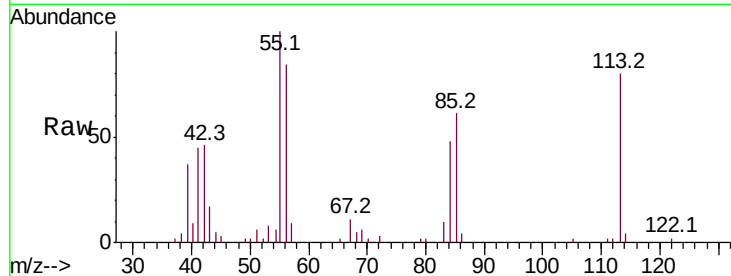
#35
 Caprolactam
 Concen: 33.700 ng/ml
 RT: 11.76 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	124.9	186.9	226.9#
56	104.6	130.9	170.9#

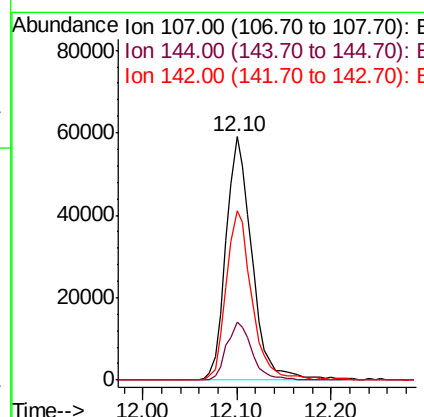
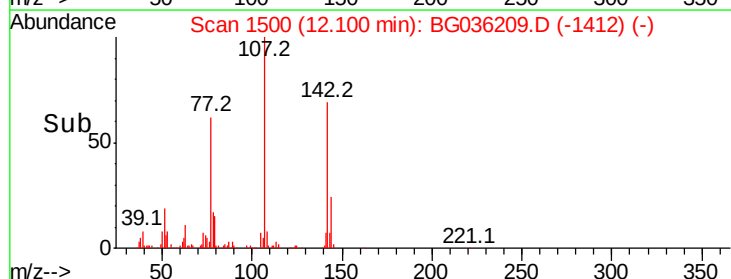
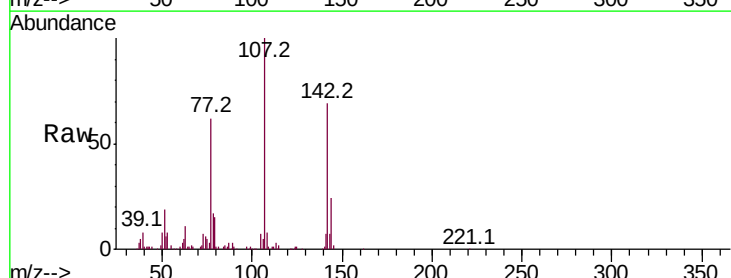
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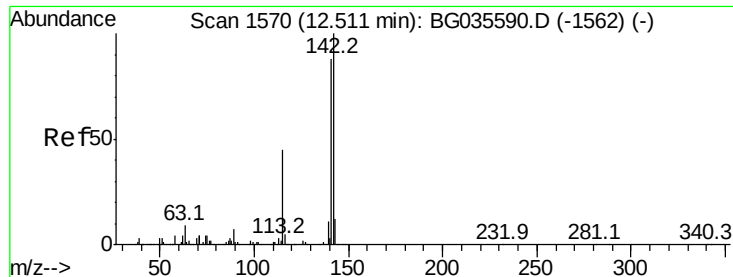
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#36
 4-Chloro-3-methylphenol
 Concen: 51.288 ng
 RT: 12.10 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.0	18.2	27.4
142	69.4	59.0	88.4





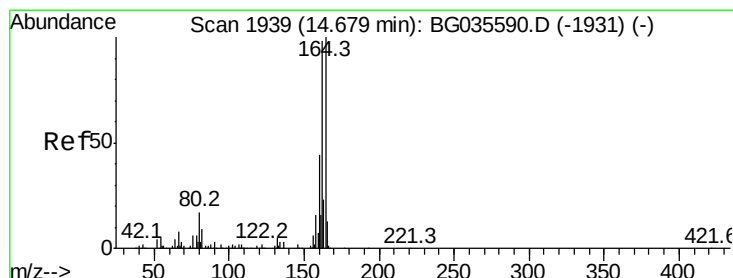
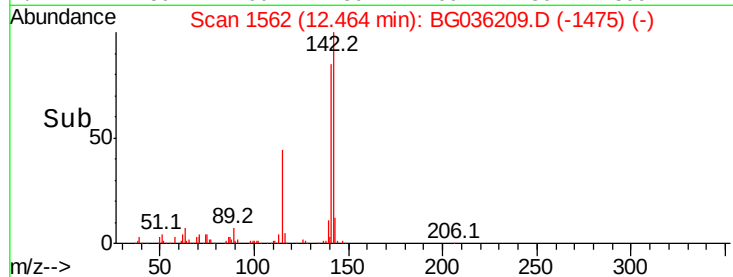
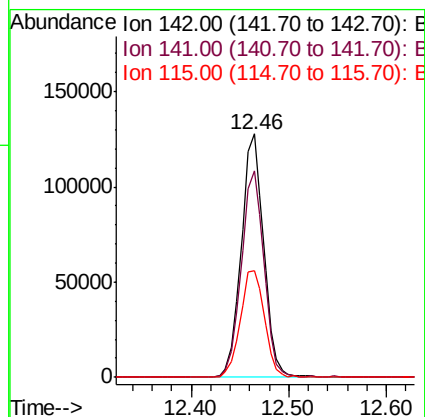
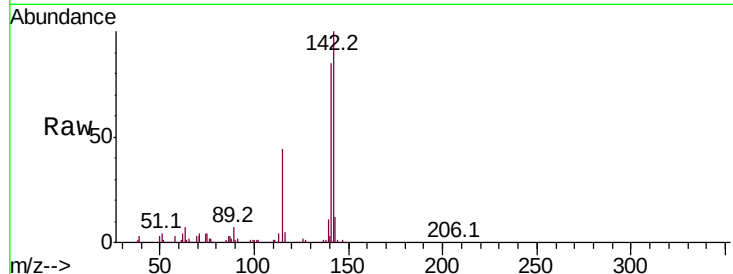
#37
2-Methylnaphthalene
Concen: 52.707 ng
RT: 12.46 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion:	142	Resp:	204682
Ion Ratio	Lower	Upper	
142	100		
141	84.8	67.1	100.7
115	44.0	30.7	46.1

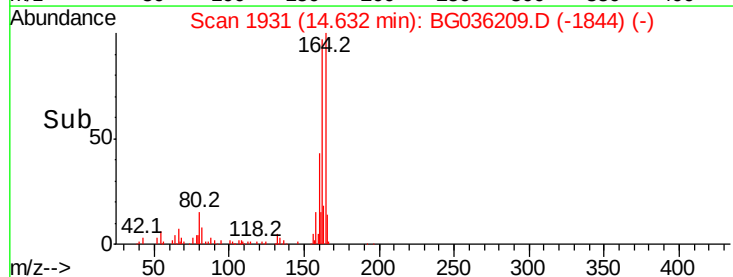
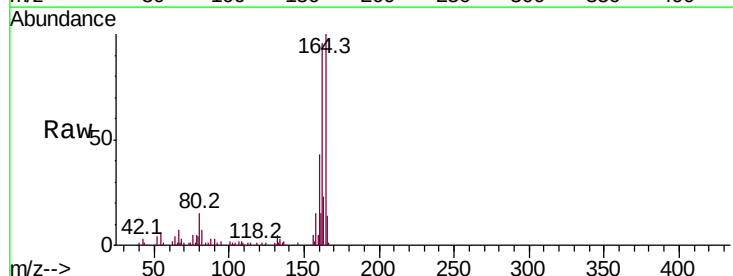
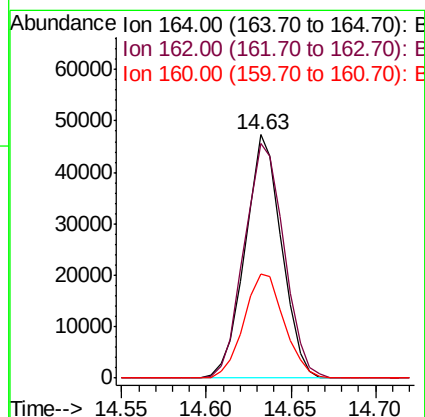
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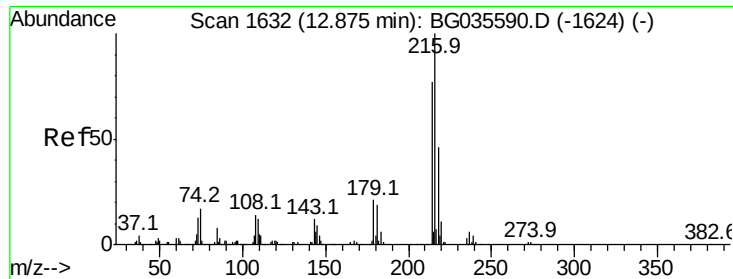
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion:	164	Resp:	71143
Ion Ratio	Lower	Upper	
164	100		
162	96.3	78.8	118.2
160	42.6	35.4	53.0





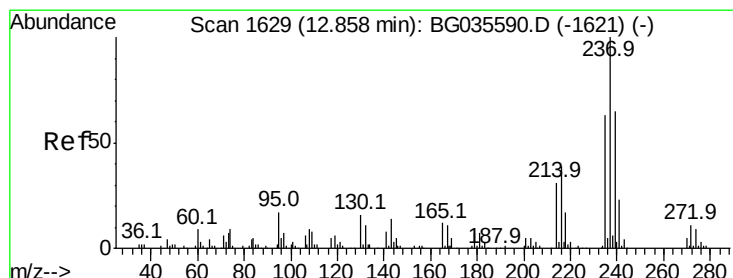
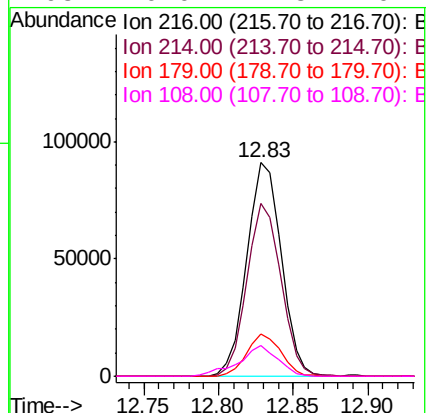
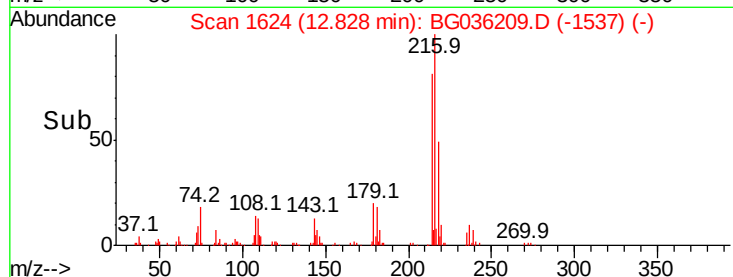
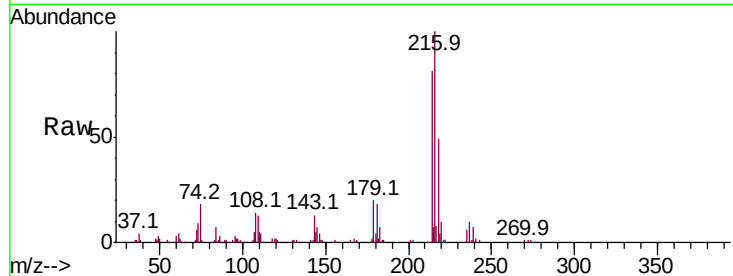
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 54.177 ng
 RT: 12.83 min Scan# 1624
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.9	63.0	94.4
179	19.3	17.0	25.6
108	16.0	12.8	19.2

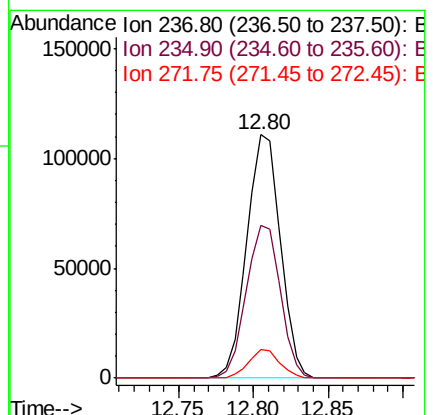
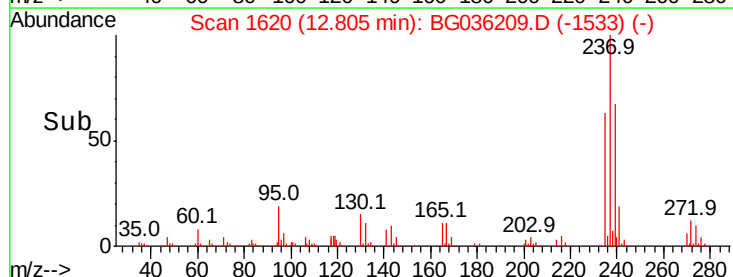
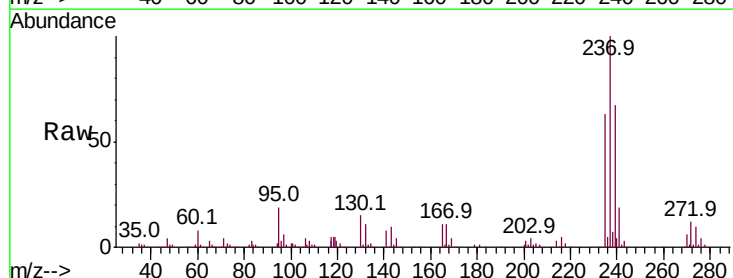
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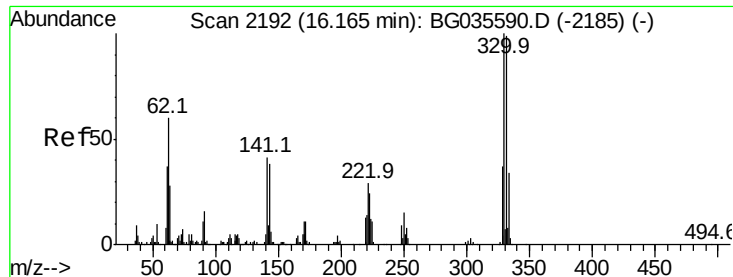
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#40
 Hexachlorocyclopentadiene
 Concen: 122.347 ng
 RT: 12.80 min Scan# 1620
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.7	50.4	90.4
272	12.0	0.0	31.8





#41

2,4,6-Tribromophenol

Concen: 187.476 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

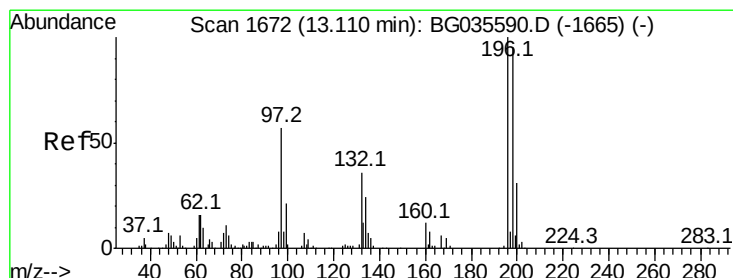
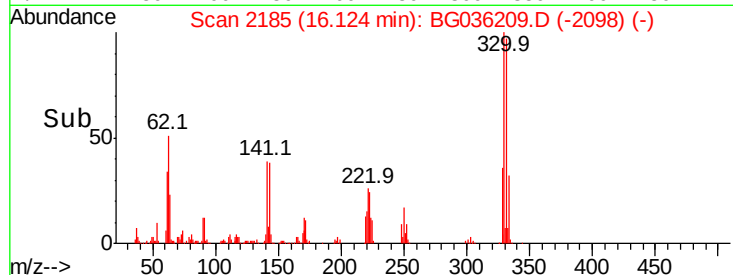
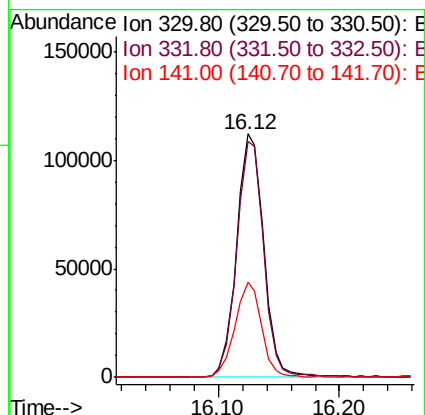
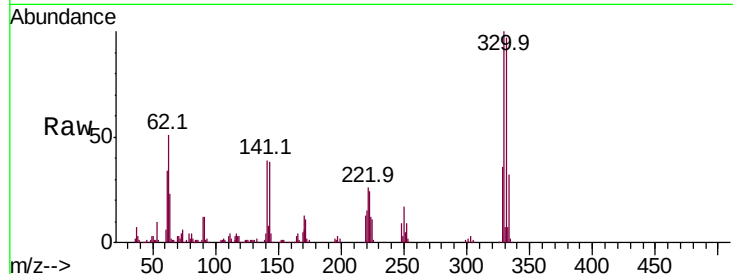
ClientSampled :

155-SOILMSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	38.2	25.2	37.8#

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 58.182 ng

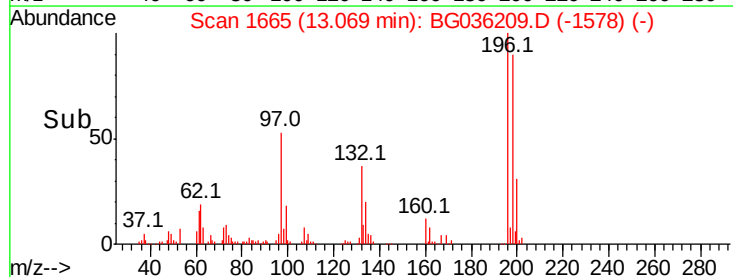
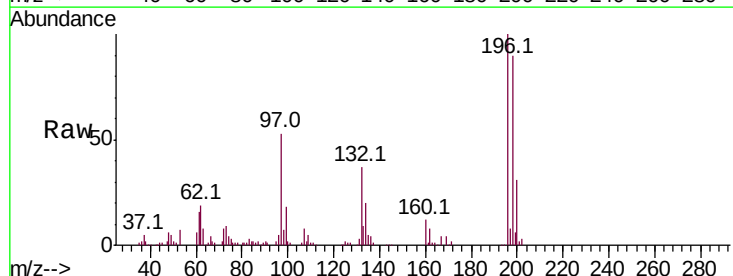
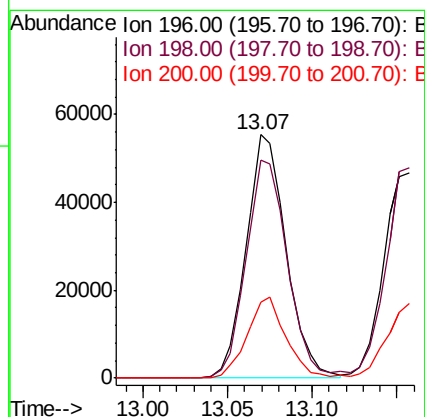
RT: 13.07 min Scan# 1665

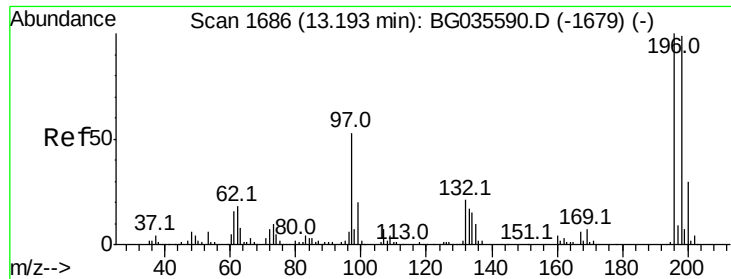
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.7	78.2	117.2
200	31.3	24.6	36.8





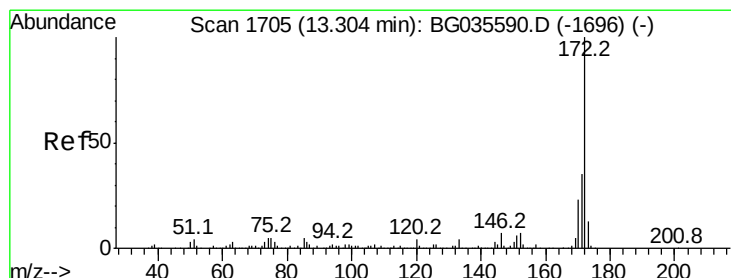
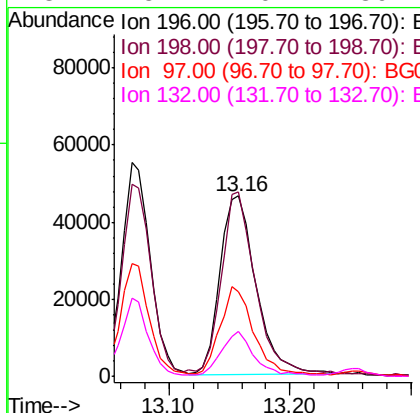
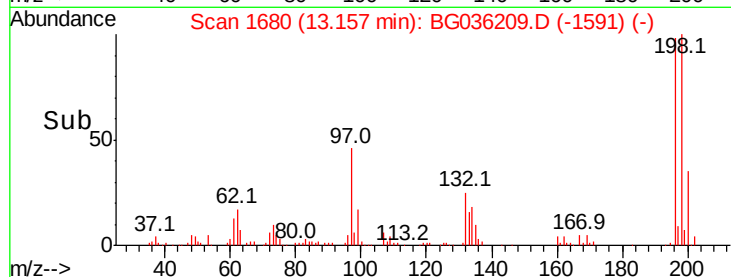
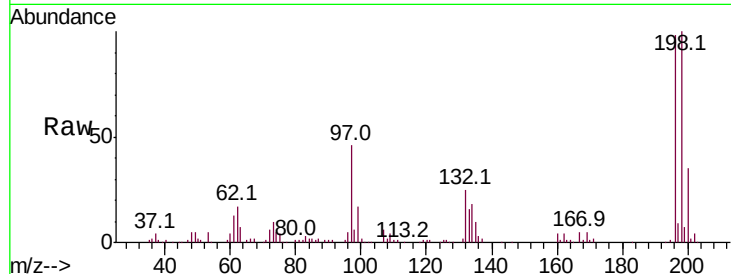
#43
 2,4,5-Trichlorophenol
 Concen: 54.896 ng
 RT: 13.16 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	102.1	76.2	114.4	
97	47.1	38.7	58.1	
132	25.1	20.2	30.2	

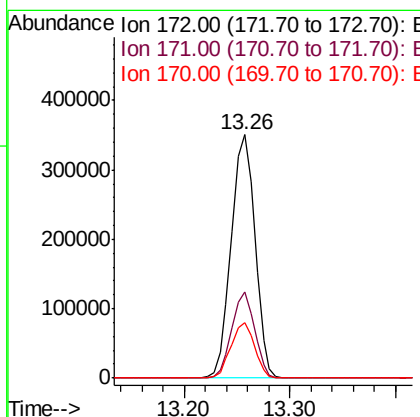
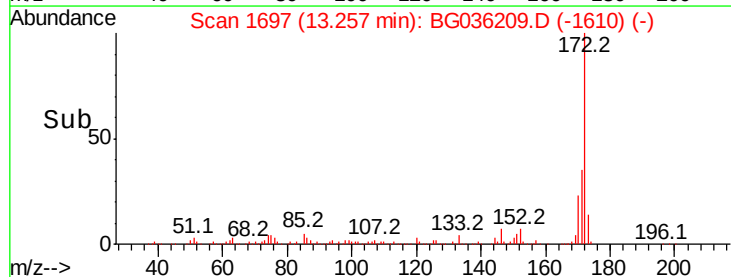
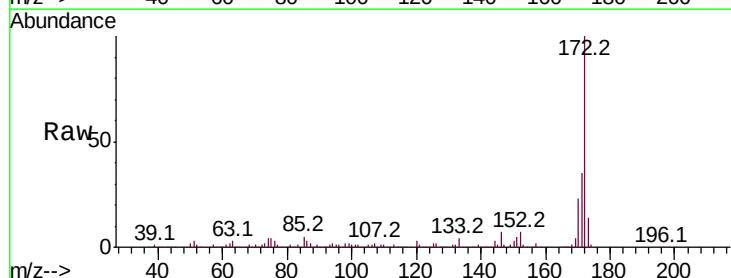
Manual Integrations
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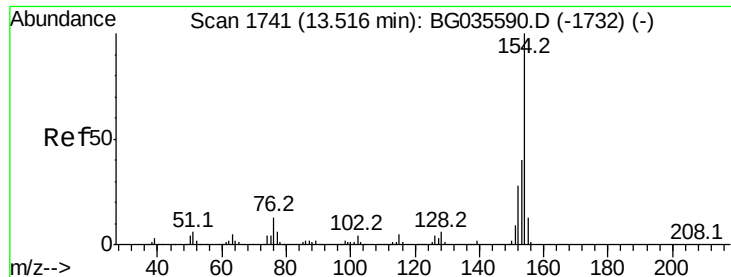
Sohil
 8/9/2018 3:17:03 PM



#44
 2-Fluorobiphenyl
 Concen: 102.485 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	30.0	45.0	
170	23.0	19.5	29.3	





#45

1,1'-Biphenyl

Concen: 50.740 ng

RT: 13.47 min Scan# 1733

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

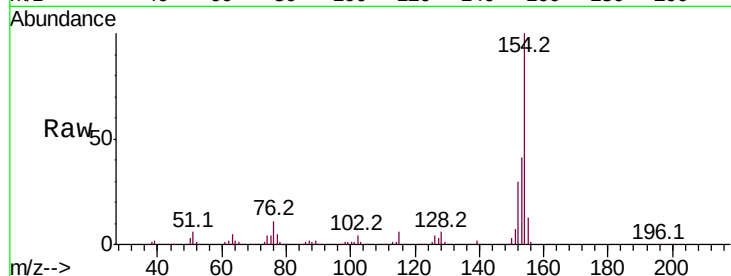
ClientSampled :

155-SOILMSD

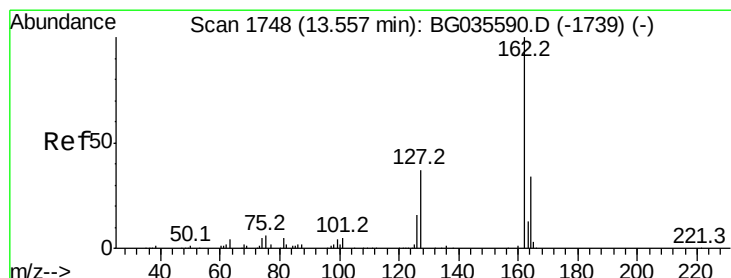
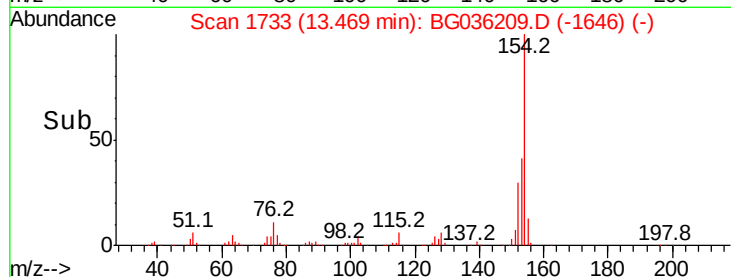
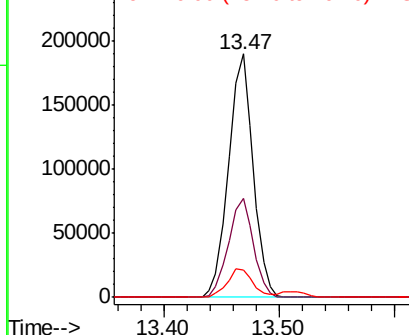
Tot Ion:	154	Resp:	279863
Ion Ratio	Lower	Upper	
154	100		
153	40.8	19.8	59.8
76	11.1	0.0	31.9

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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): BGC



#46

2-Chloronaphthalene

Concen: 52.219 ng

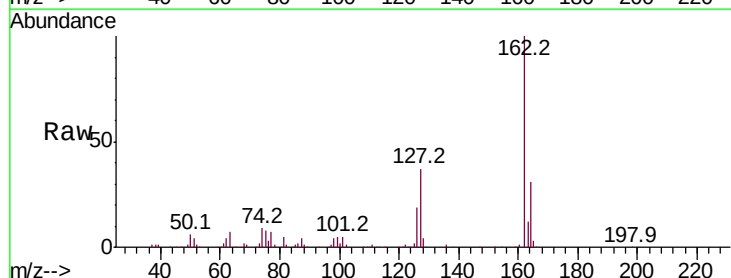
RT: 13.51 min Scan# 1740

Delta R.T. -0.02 min

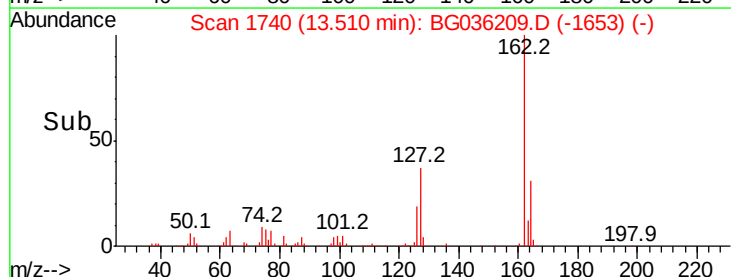
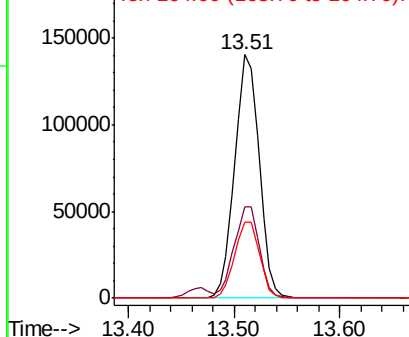
Lab File: BG036209.D

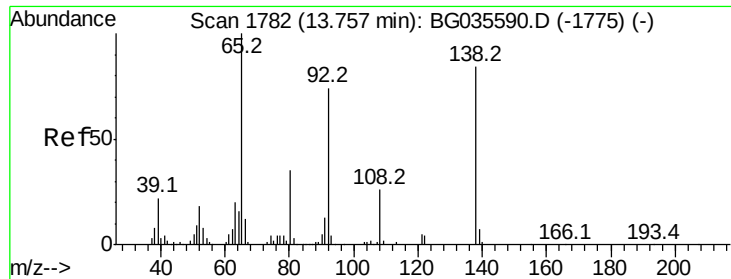
Acq: 8 Aug 2018 22:30

Tgt Ion:	162	Resp:	224036
Ion Ratio	Lower	Upper	
162	100		
127	37.4	30.7	46.1
164	31.3	26.0	39.0



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: 49.527 ng

RT: 13.72 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

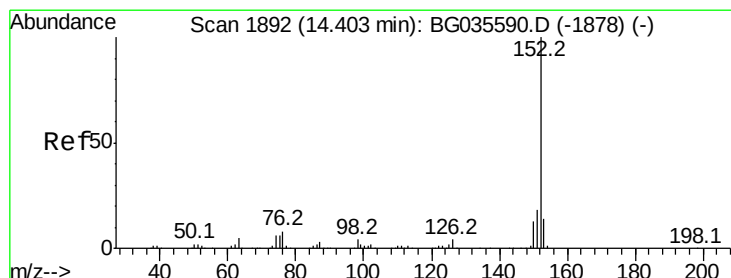
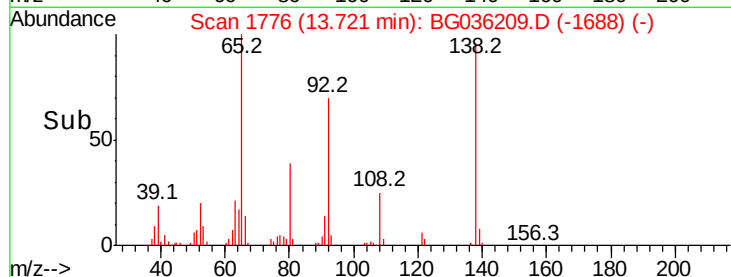
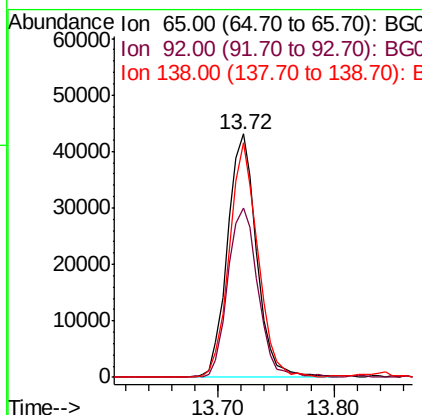
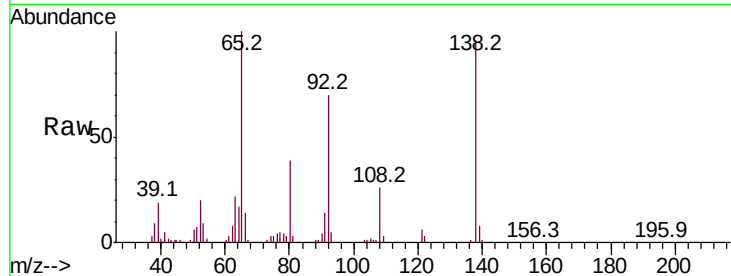
ClientSampled :

155-SOILMSD

Tot Ion:	65	Resp:	75121
Ion Ratio	Lower	Upper	
65	100		
92	69.8	54.6	82.0
138	96.3	72.9	109.3

Manual Integrations
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#48

Acenaphthylene

Concen: 51.805 ng

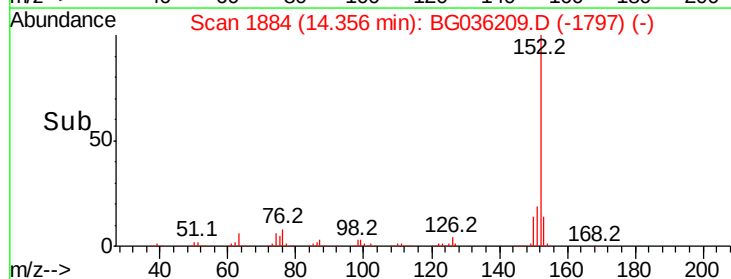
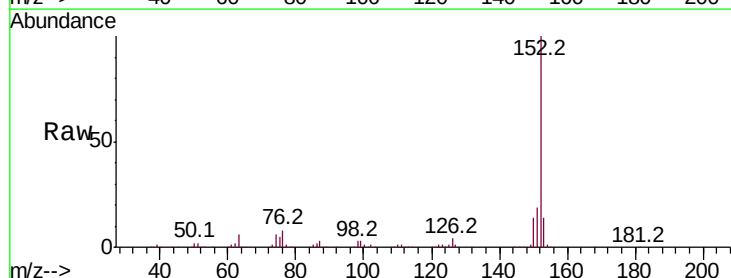
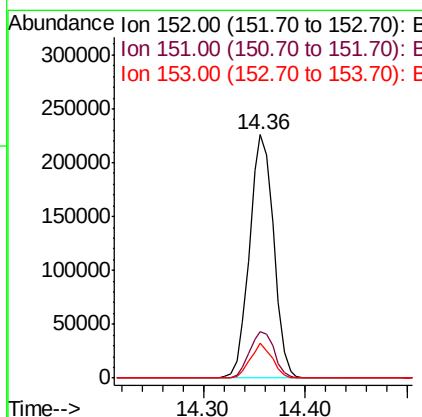
RT: 14.36 min Scan# 1884

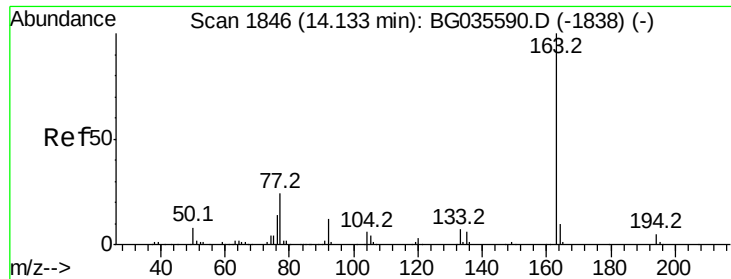
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	152	Resp:	372312
Ion Ratio	Lower	Upper	
152	100		
151	19.1	17.2	25.8
153	14.3	10.2	15.4





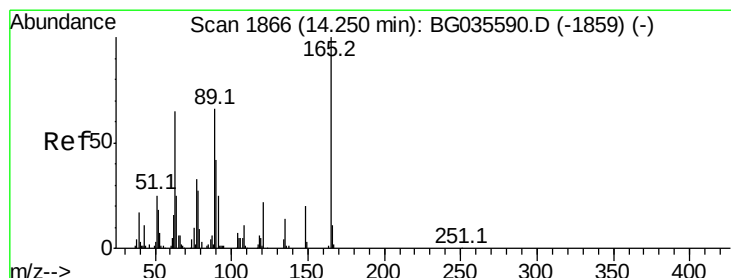
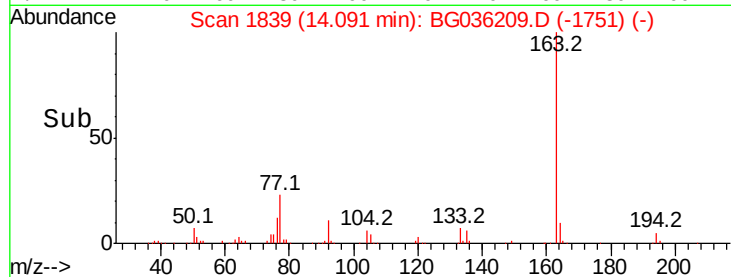
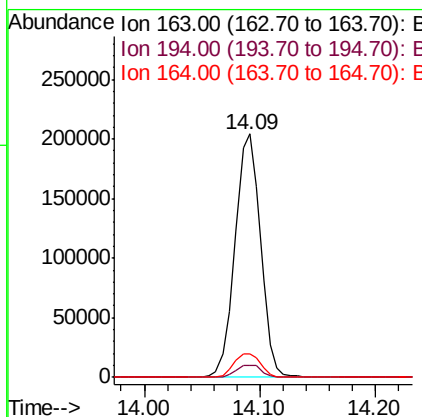
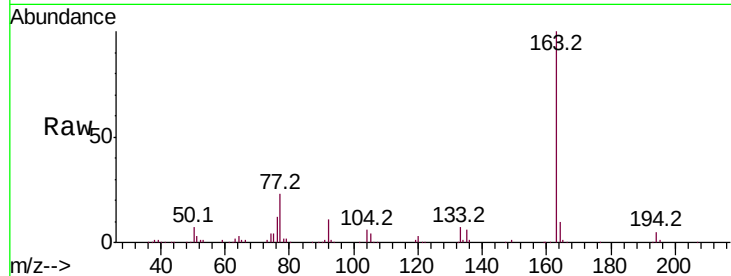
#49
 Dimethylphthalate
 Concen: 49.838 ng
 RT: 14.09 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampled :
 155-SOILMSD

Tot Ion:	163	Resp:	310646
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.4	5.2
164	9.8	8.2	12.4

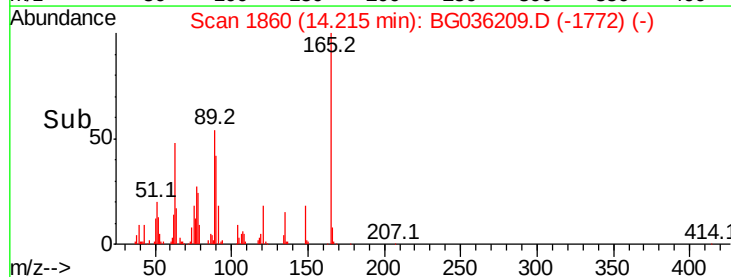
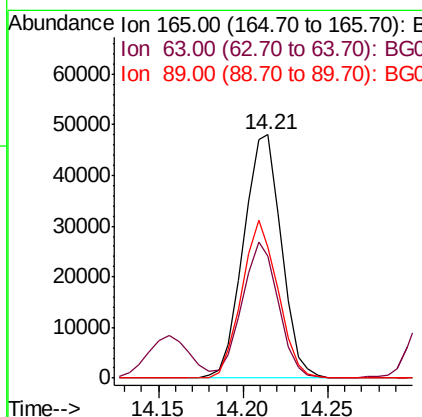
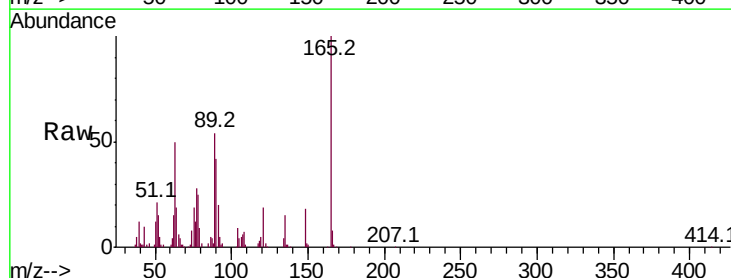
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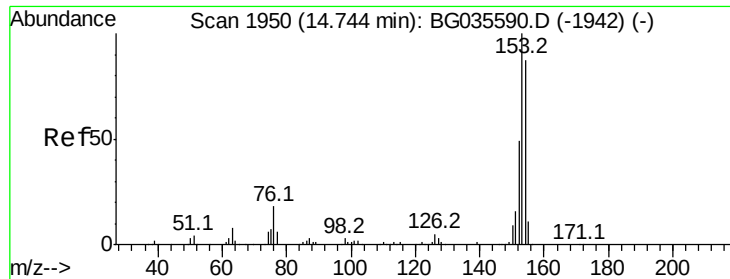
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#50
 2,6-Dinitrotoluene
 Concen: 58.930 ng
 RT: 14.21 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion:	165	Resp:	74800
Ion Ratio	Lower	Upper	
165	100		
63	50.1	52.7	79.1#
89	53.7	49.2	73.8





#51

Acenaphthene

Concen: 48.300 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

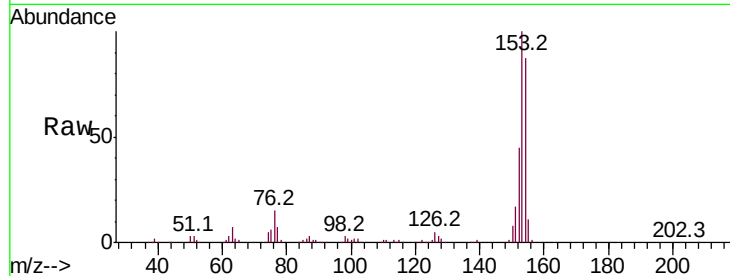
ClientSampleId :

155-SOILMSD

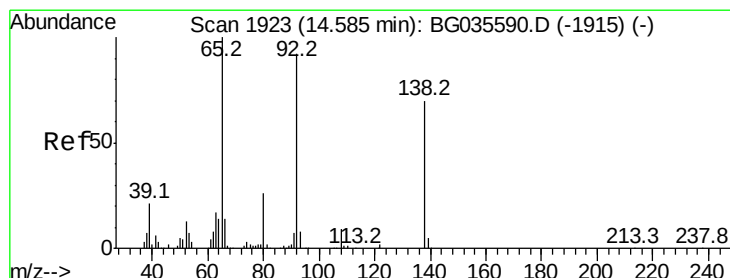
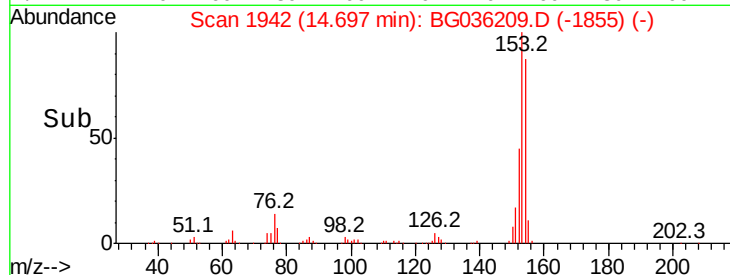
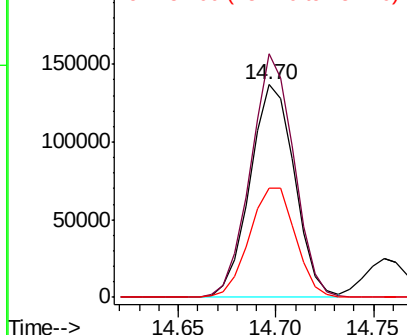
Tot Ion:	154	Resp:	216236
Ion Ratio	Lower	Upper	
154	100		
153	114.4	90.4	135.6
152	51.2	41.6	62.4

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



#52

3-Nitroaniline

Concen: 14.854 ng

RT: 14.54 min Scan# 1916

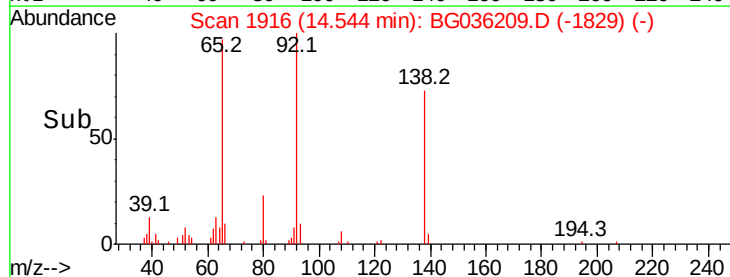
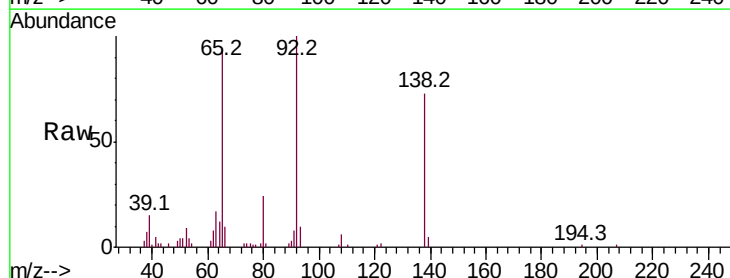
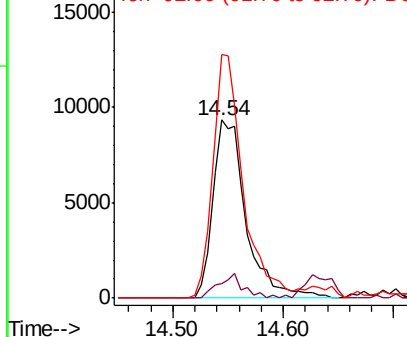
Delta R.T. -0.02 min

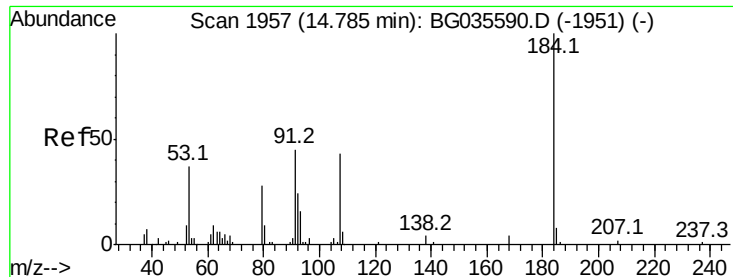
Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	138	Resp:	19271
Ion Ratio	Lower	Upper	
138	100		
108	8.1	17.5	26.3#
92	136.6	105.8	158.8

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





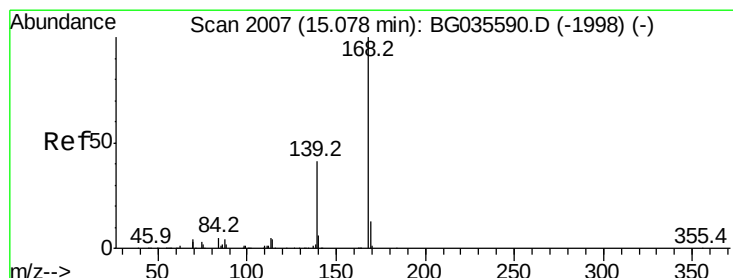
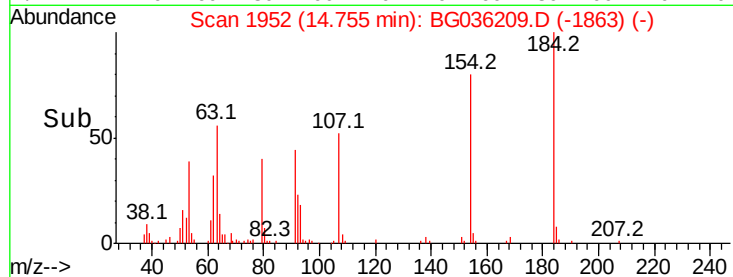
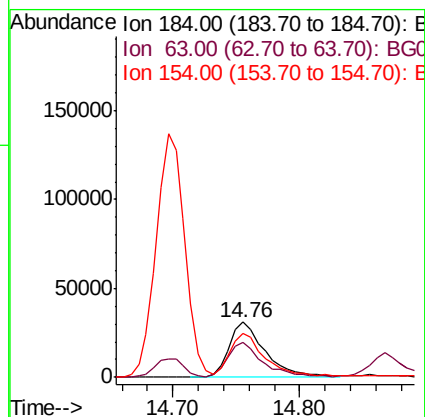
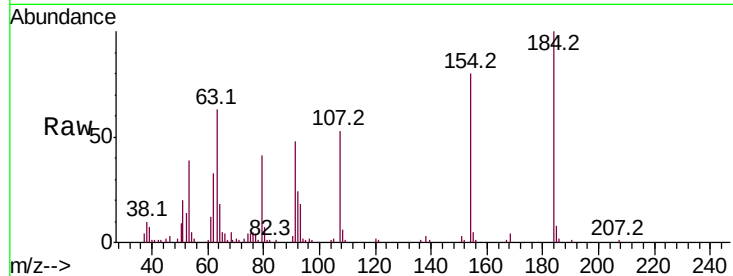
#53
2,4-Dinitrophenol
Concen: 92.954 ng
RT: 14.76 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	61432		
63	62.8	59.8	89.8	
154	80.1	101.8	152.8	

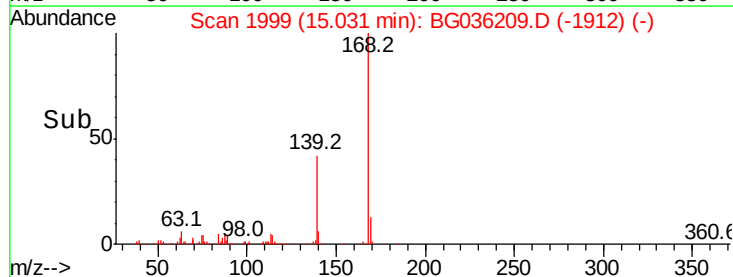
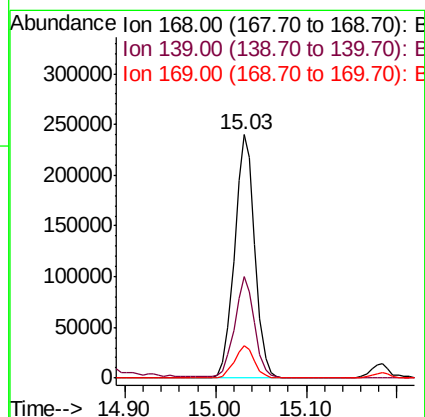
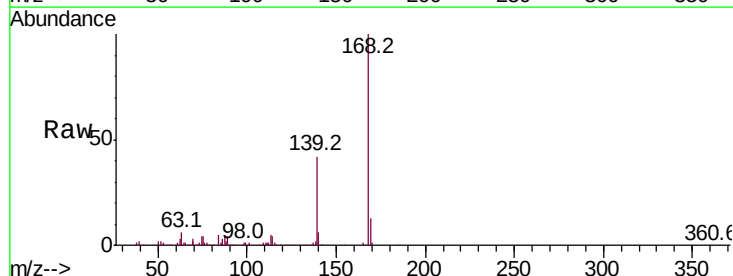
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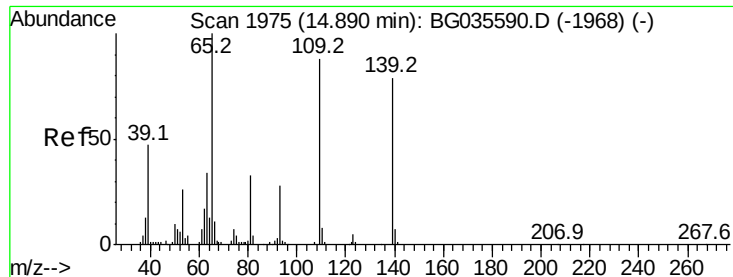
Sohil
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#54
Dibenzofuran
Concen: 52.265 ng
RT: 15.03 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	372124		
139	41.7	28.6	43.0	
169	13.4	11.2	16.8	





#55

4-Nitrophenol

Concen: 82.018 ng

RT: 14.87 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

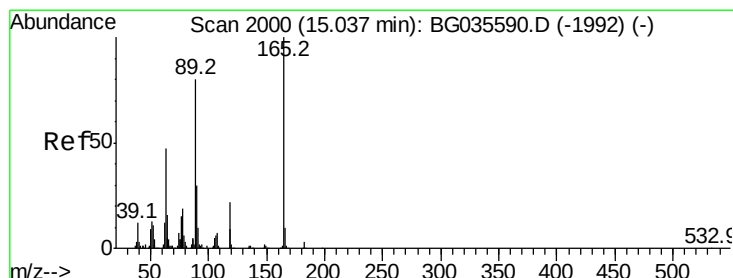
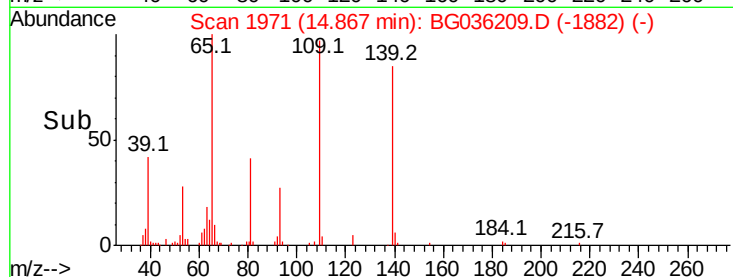
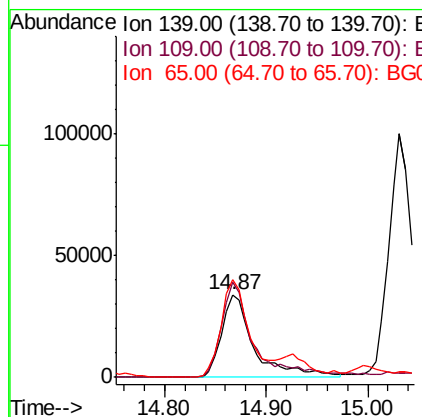
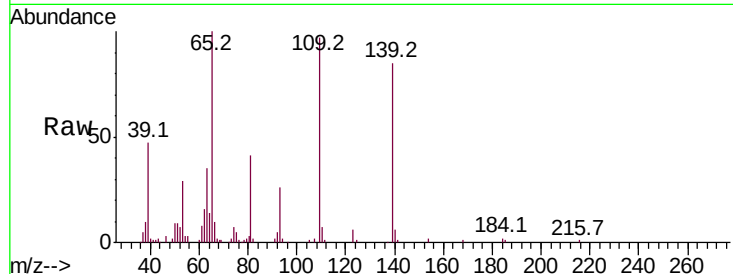
ClientSampleId :

155-SOILMSD

Tot Ion:	139	Resp:	75777
Ion Ratio	Lower	Upper	
139	100		
109	114.6	62.2	102.2#
65	118.0	97.2	137.2

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#56

2,4-Dinitrotoluene

Concen: 60.825 ng

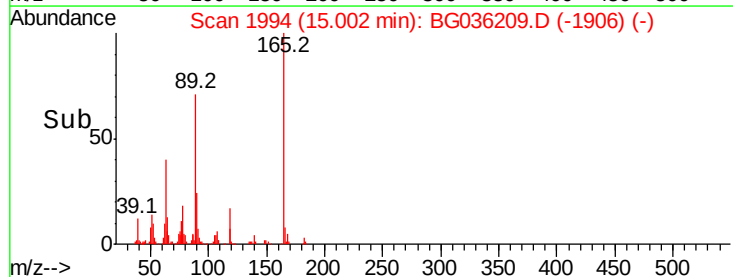
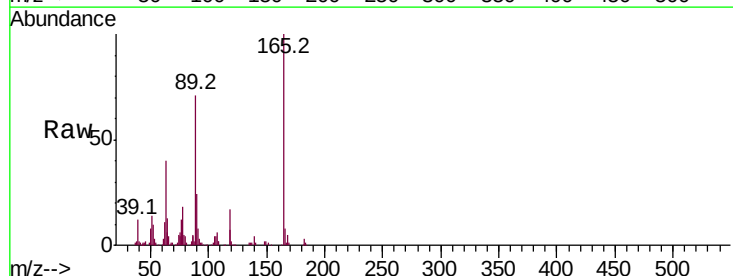
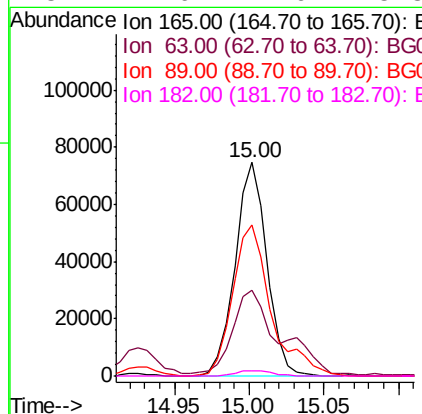
RT: 15.00 min Scan# 1994

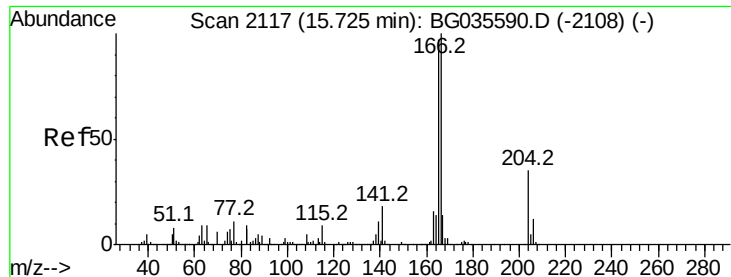
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	165	Resp:	110762
Ion Ratio	Lower	Upper	
165	100		
63	40.0	42.0	63.0#
89	70.8	66.9	100.3
182	2.6	2.6	3.8





#57

Fluorene

Concen: 51.652 ng

RT: 15.68 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

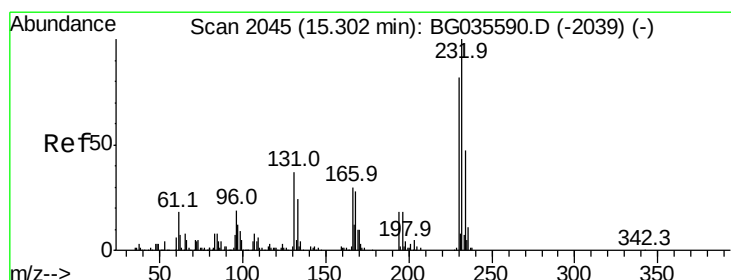
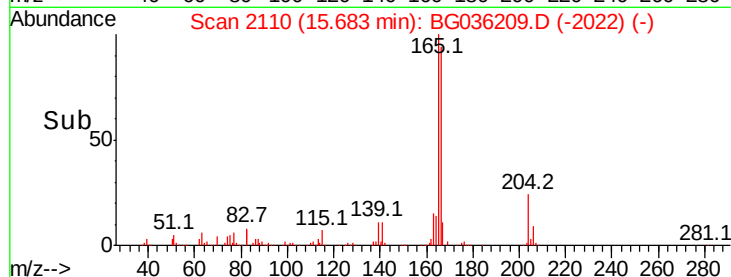
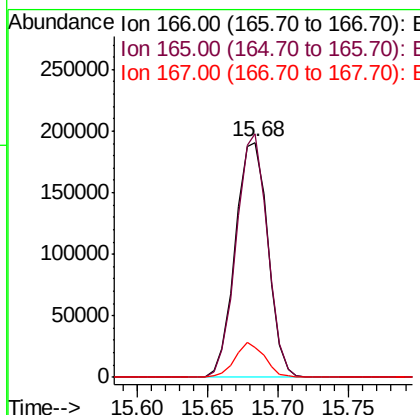
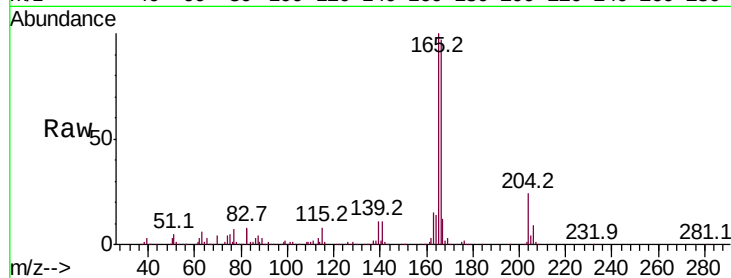
ClientSampled :

155-SOILMSD

Tot Ion:	166	Resp:	308234
Ion Ratio	Lower	Upper	
166	100		
165	103.5	80.6	121.0
167	12.9	10.4	15.6

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 61.501 ng

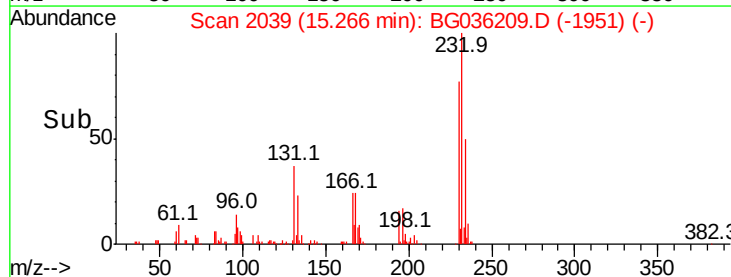
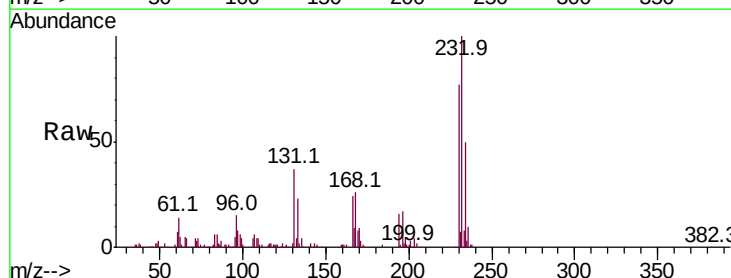
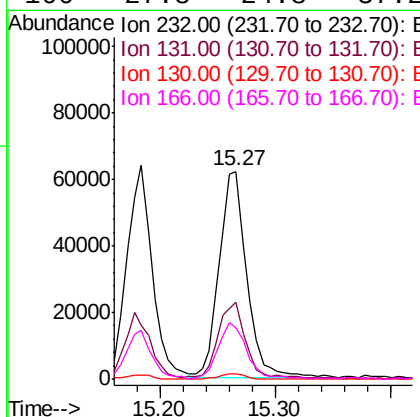
RT: 15.27 min Scan# 2039

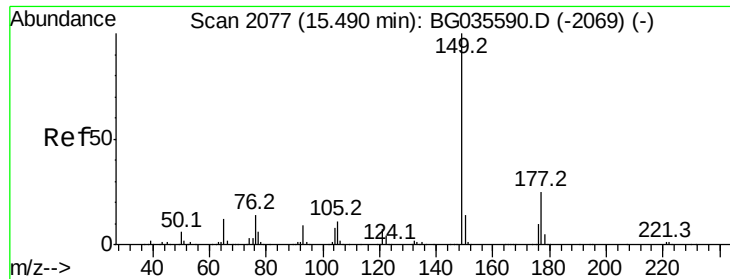
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	232	Resp:	103587
Ion Ratio	Lower	Upper	
232	100		
131	38.0	33.5	50.3
130	2.2	2.2	3.2
166	27.8	24.8	37.2





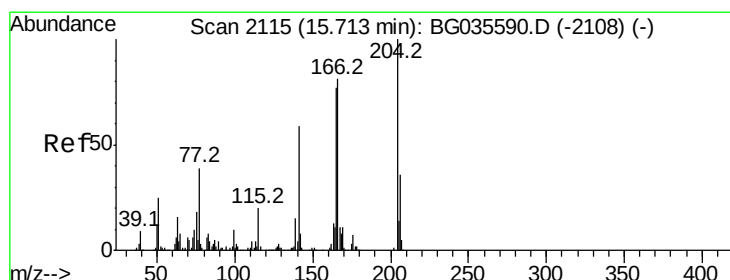
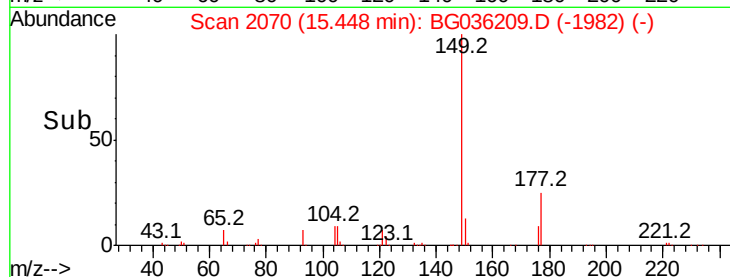
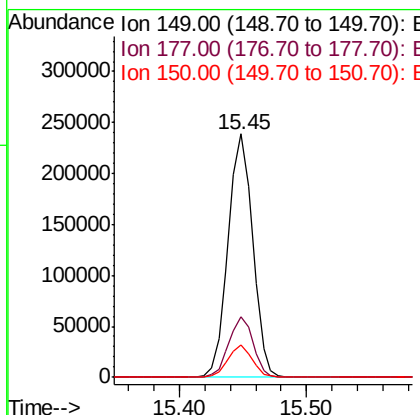
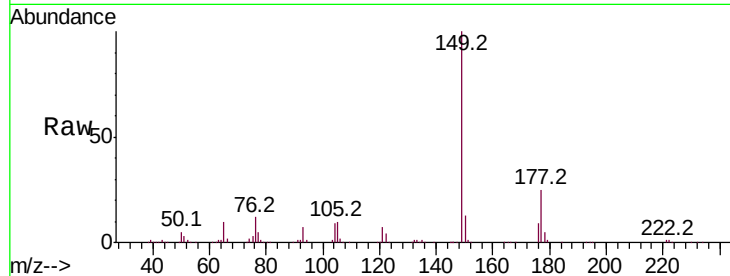
#59
Diethylphthalate
Concen: 49.868 ng
RT: 15.45 min Scan# 2070
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	319621		
177	24.8	18.5	27.7	
150	13.3	10.2	15.2	

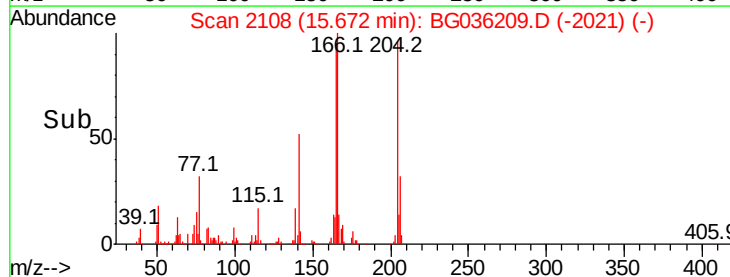
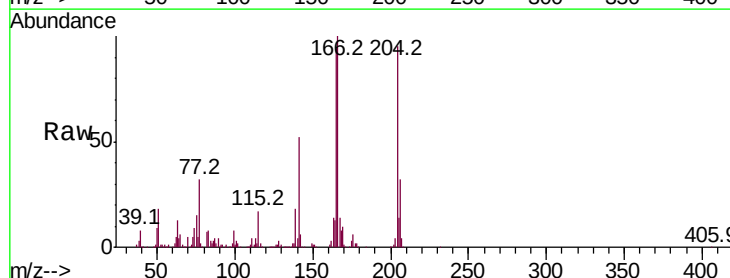
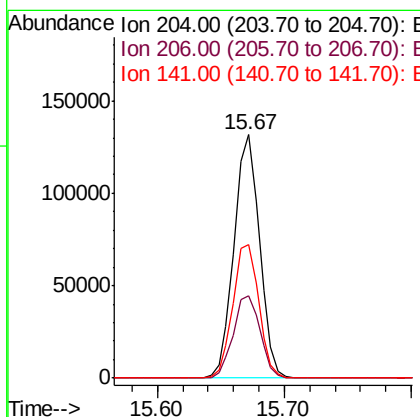
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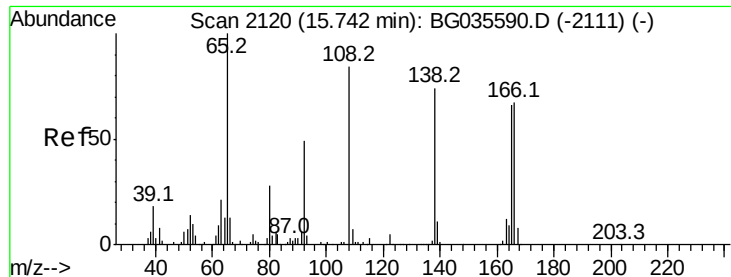
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 52.191 ng
RT: 15.67 min Scan# 2108
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	183055		
206	33.7	26.2	39.2	
141	54.7	45.8	68.6	





#61

4-Nitroaniline

Concen: 43.841 ng

RT: 15.71 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

ClientSampled :

155-SOILMSD

Tot Ion:138 Resp: 59494

Ion Ratio Lower Upper

138 100

92 62.5 40.1 80.1

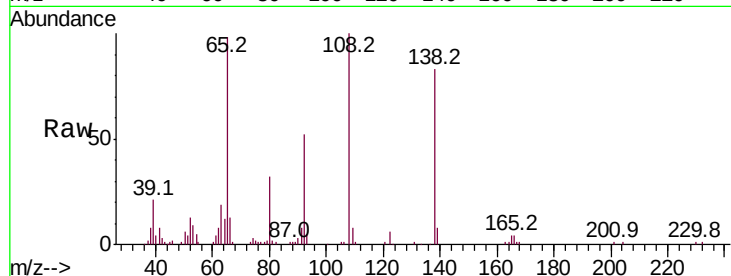
108 120.7 65.4 105.4#

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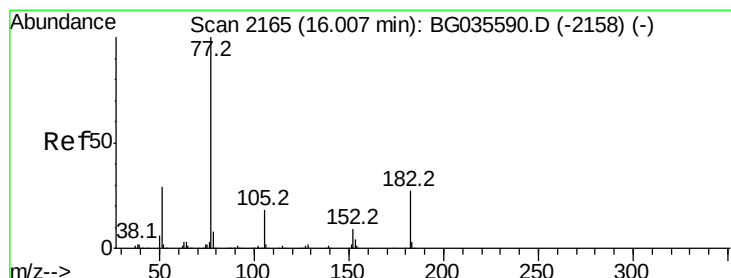
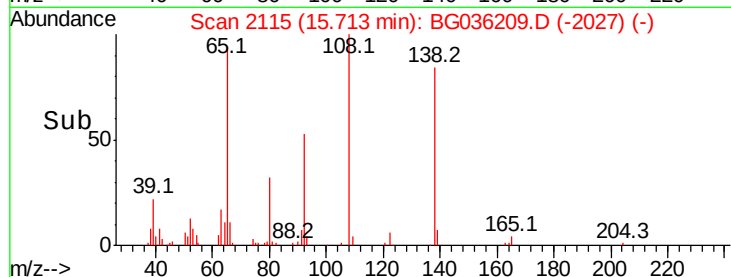
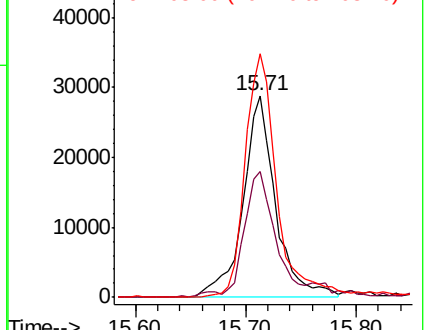
8/9/2018 3:17:03 PM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 49.568 ng

RT: 15.97 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion: 77 Resp: 313370

Ion Ratio Lower Upper

77 100

182 29.6 7.4 47.4

105 19.2 0.3 40.3

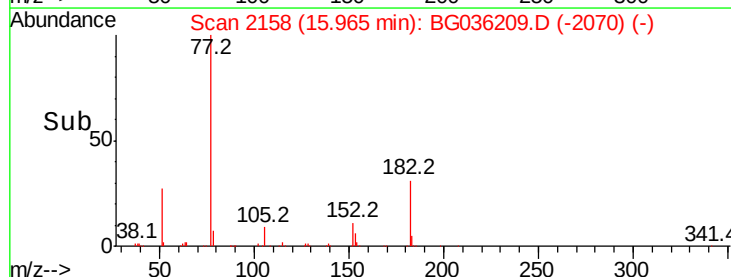
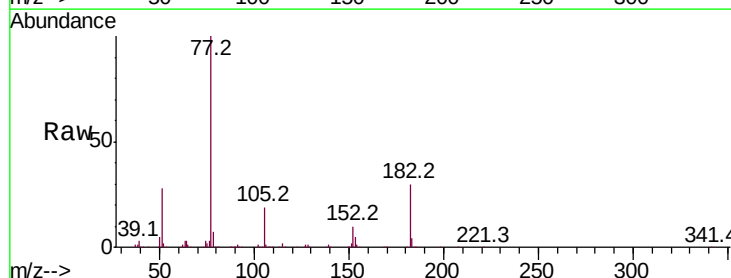
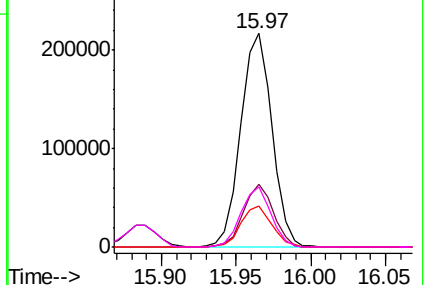
51 28.5 11.6 51.6

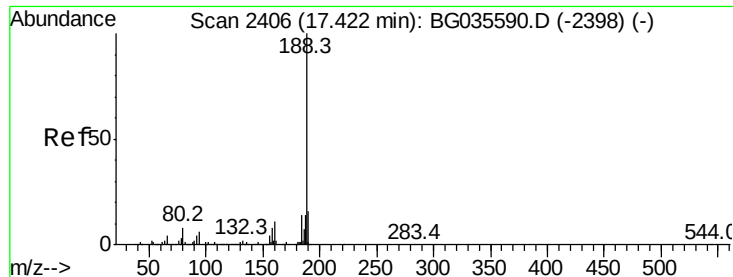
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

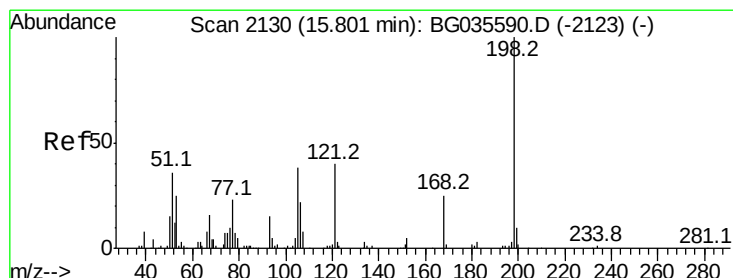
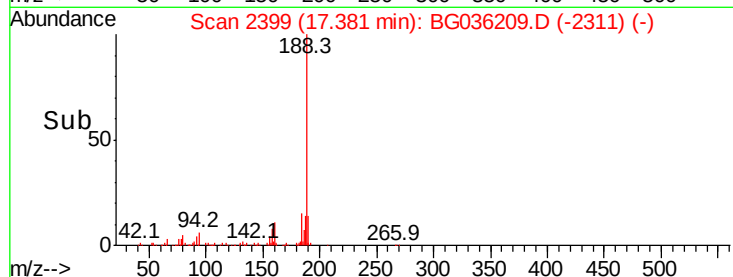
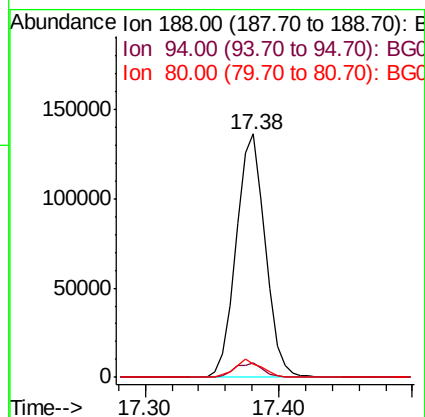
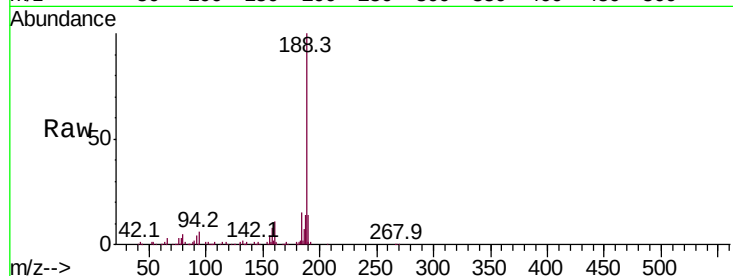
ClientSampleId :

155-SOILMSD

Tot Ion:188	Resp: 205903
Ion Ratio Lower Upper	
188 100	
94 6.0 6.9 10.3#	
80 5.4 7.7 11.5#	

Manual Integrations
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Sohil
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#64

4,6-Dinitro-2-methylphenol

Concen: 51.959 ng

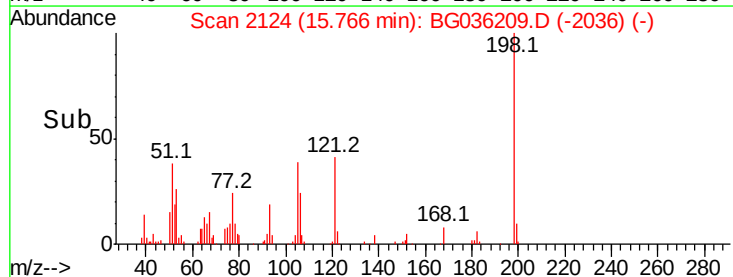
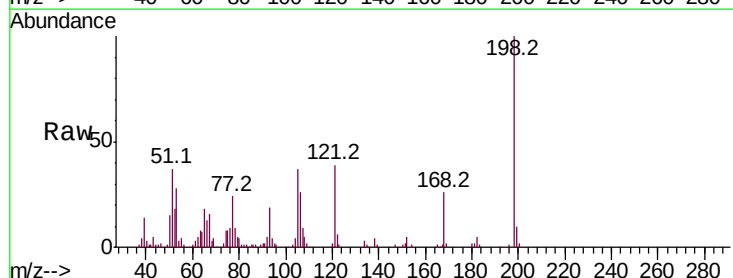
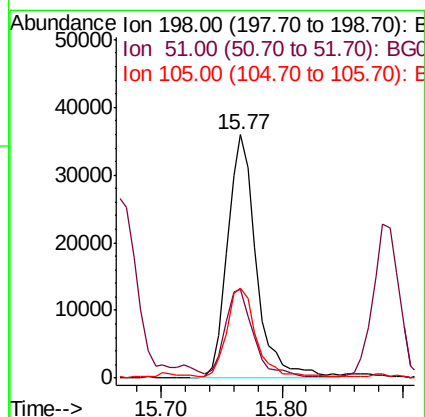
RT: 15.77 min Scan# 2124

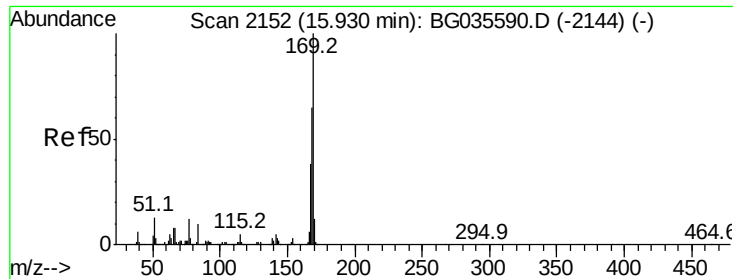
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:198	Resp: 59555
Ion Ratio Lower Upper	
198 100	
51 36.6 30.6 70.6	
105 36.7 23.8 63.8	





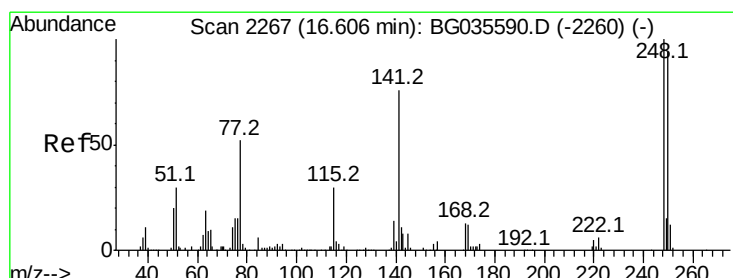
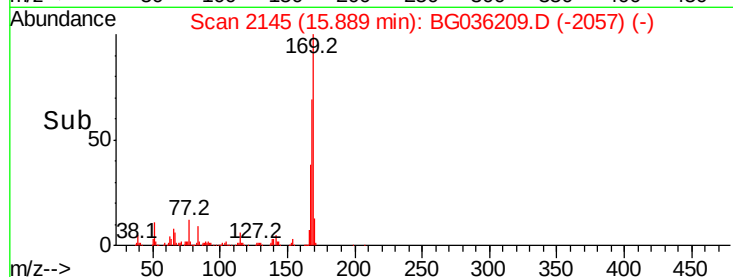
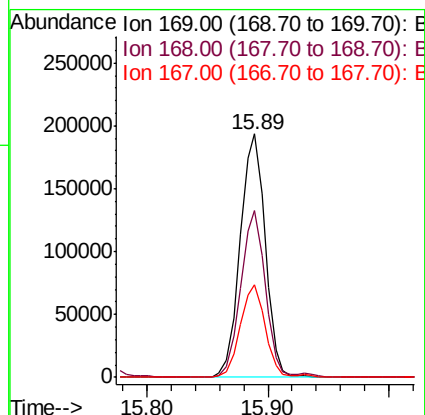
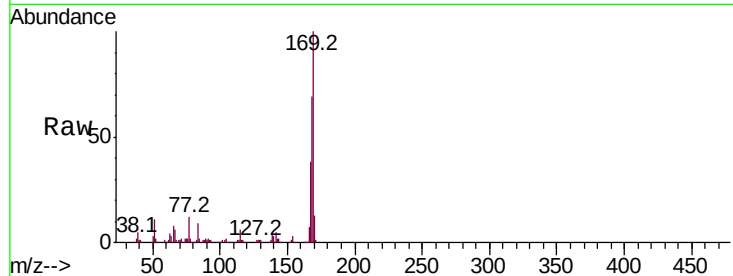
#65
n-Nitrosodiphenylamine
Concen: 47.916 ng
RT: 15.89 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	280824		
168	68.6		55.7	83.5
167	37.8		30.1	45.1

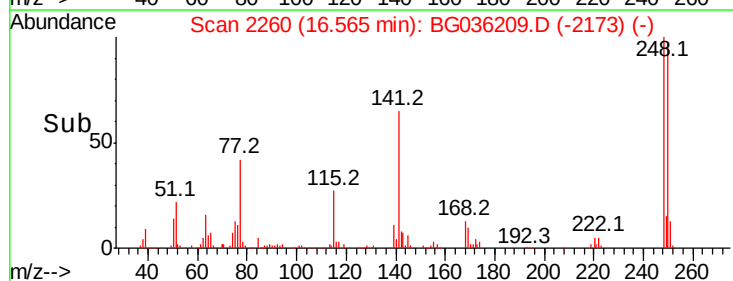
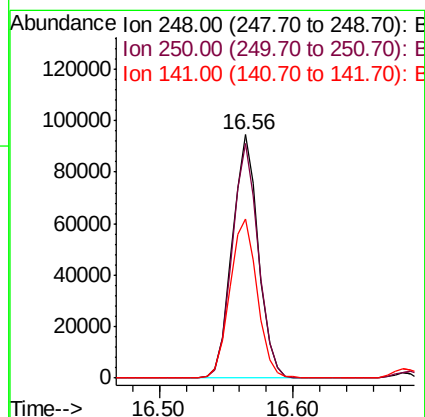
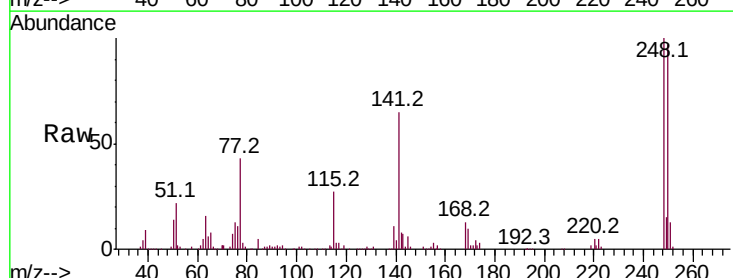
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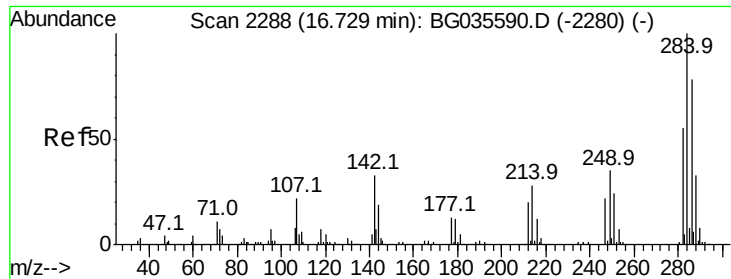
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#66
4-Bromophenyl-phenylether
Concen: 54.115 ng
RT: 16.56 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	129271		
250	96.5		77.1	115.7
141	65.4		50.8	76.2





#67

Hexachlorobenzene

Concen: 53.104 ng

RT: 16.69 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

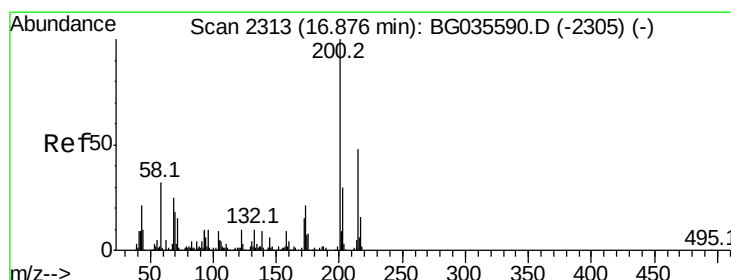
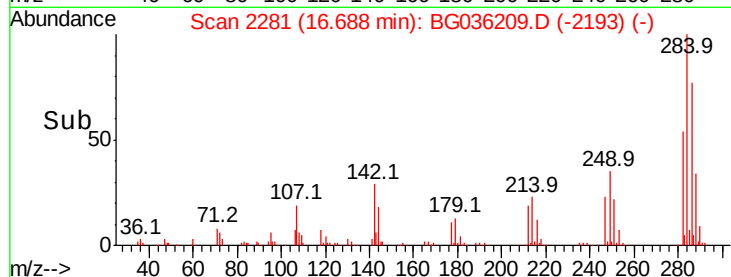
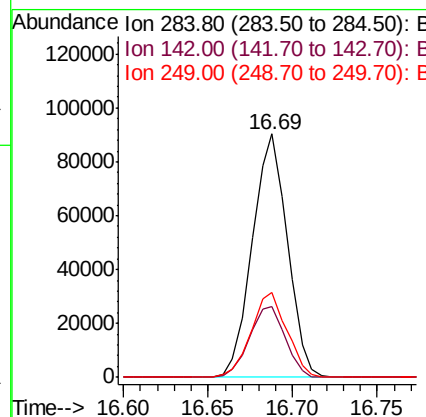
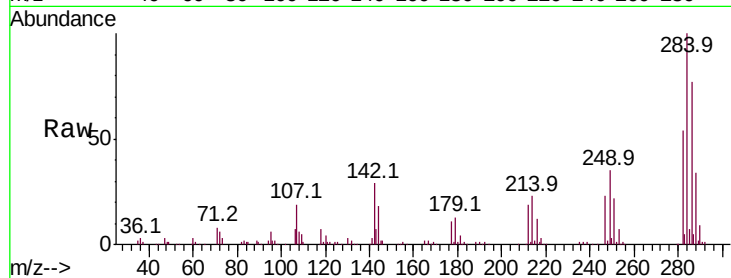
ClientSampleId :

155-SOILMSD

Tot Ion:	284	Resp:	130638
Ion Ratio		Lower	Upper
284	100		
142	29.0	26.8	40.2
249	34.7	26.3	39.5

Manual Integrations
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#68

Atrazine

Concen: 57.105 ng

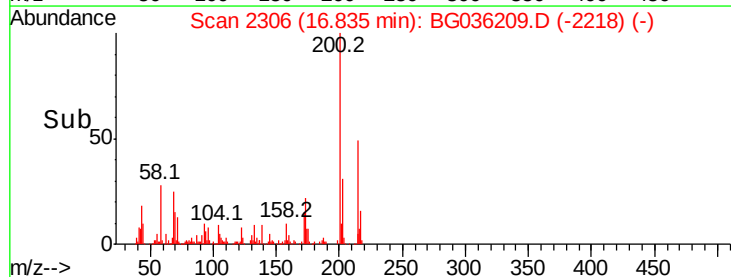
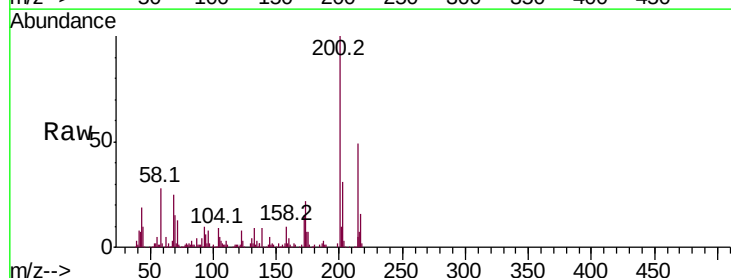
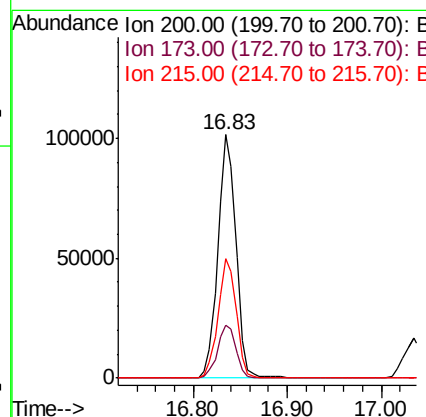
RT: 16.83 min Scan# 2306

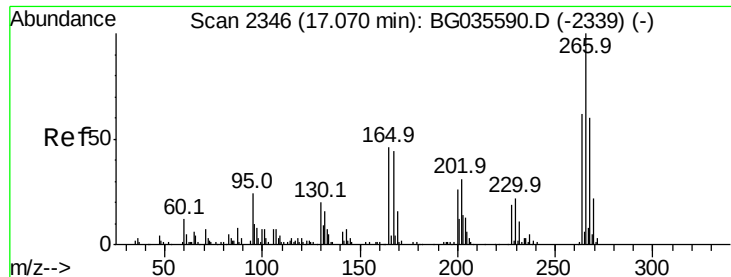
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	200	Resp:	137798
Ion Ratio		Lower	Upper
200	100		
173	21.8	5.2	45.2
215	49.2	30.4	70.4





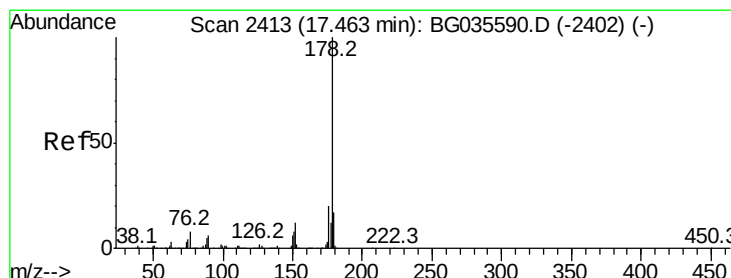
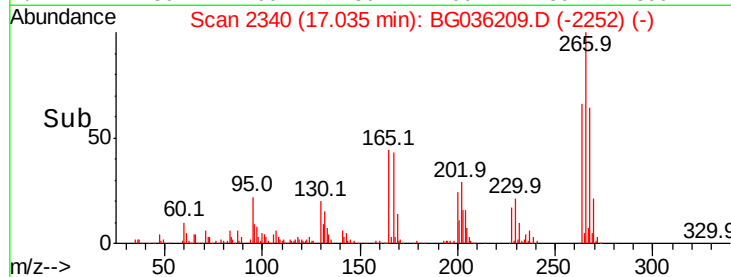
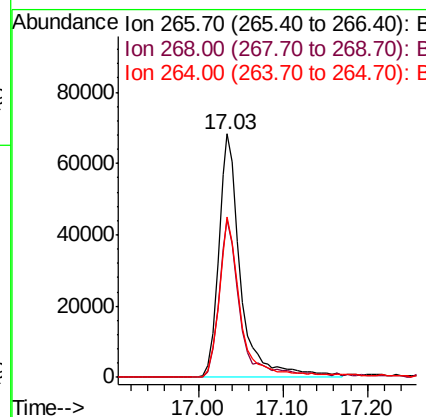
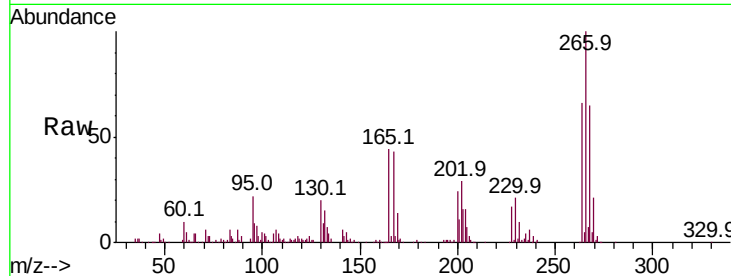
#69
 Pentachlorophenol
 Concen: 83.212 ng
 RT: 17.03 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	124685		
268	64.6	51.1	76.7	
264	66.1	49.6	74.4	

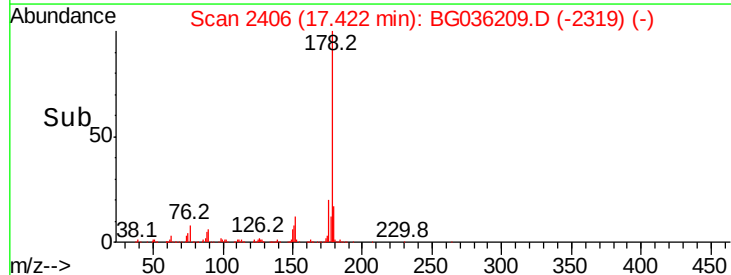
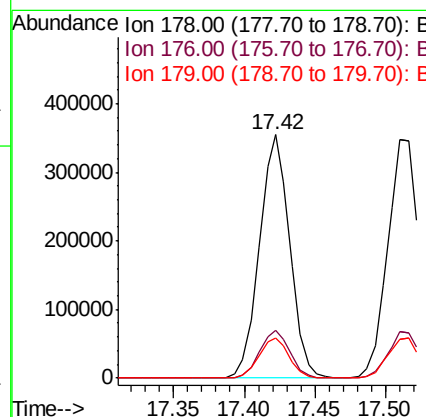
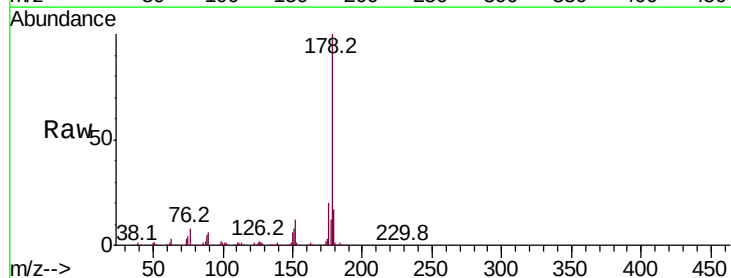
Manual Integrations
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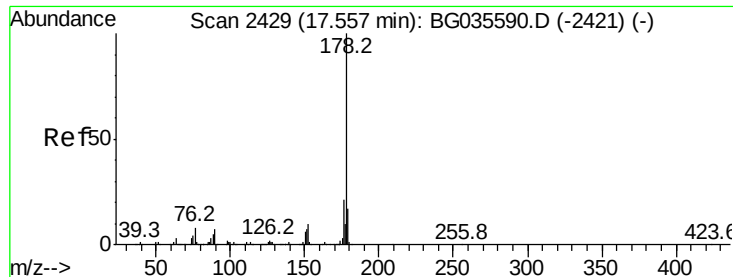
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#70
 Phenanthrene
 Concen: 52.007 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	534333		
176	19.6	15.7	23.5	
179	16.7	12.5	18.7	





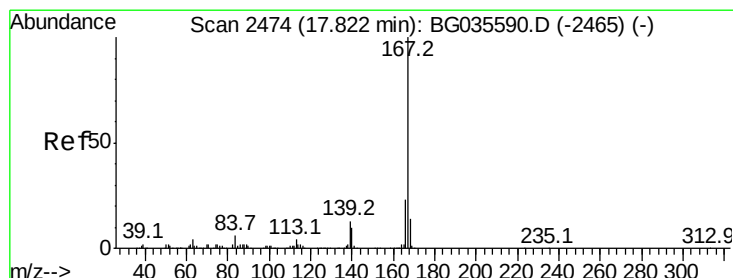
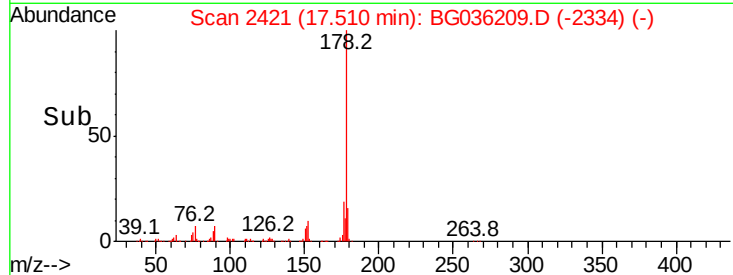
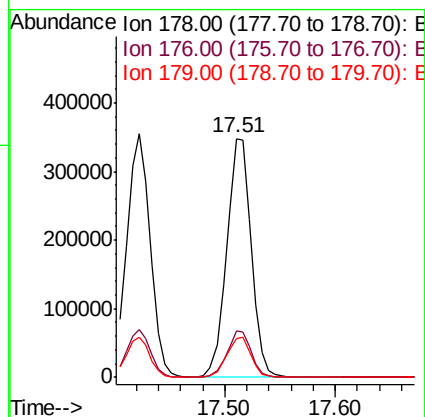
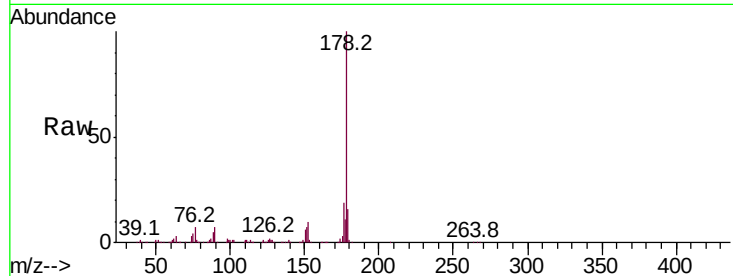
#71
 Anthracene
 Concen: 52.770 ng
 RT: 17.51 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion:178	Resp:	539853
Ion Ratio	Lower	Upper
178 100		
176 19.3	16.0	24.0
179 16.3	12.5	18.7

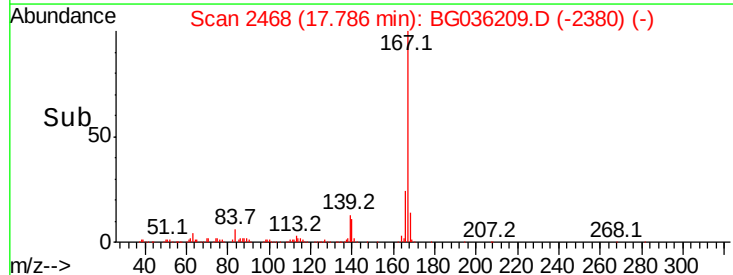
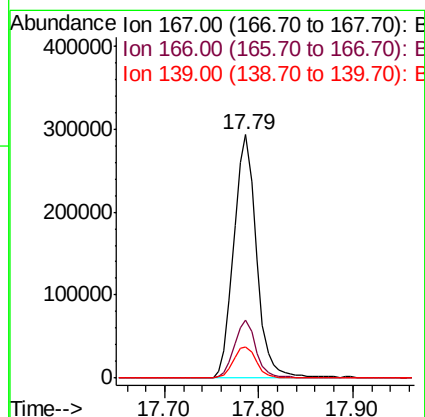
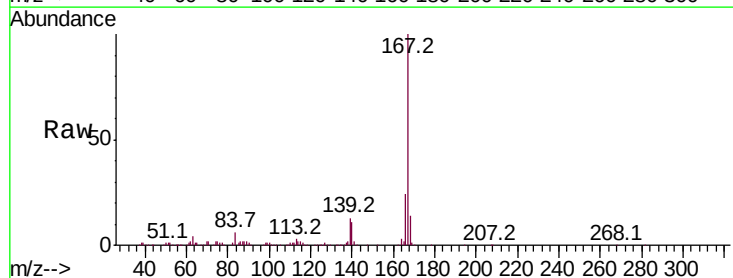
Manual Integrations
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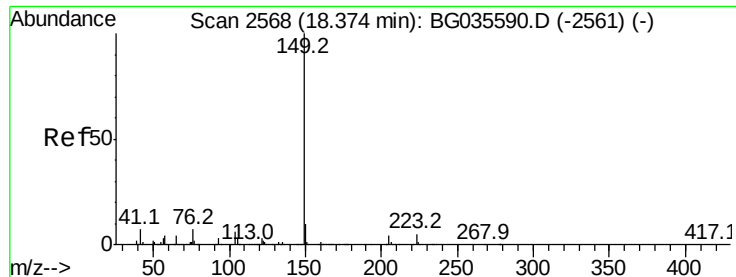
Sohil
 8/9/2018 3:17:03 PM



#72
 Carbazole
 Concen: 50.858 ng
 RT: 17.79 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion:167	Resp:	494112
Ion Ratio	Lower	Upper
167 100		
166 23.7	18.2	27.4
139 12.8	9.4	14.2





#73

Di-n-butylphthalate

Concen: 49.194 ng

RT: 18.33 min Scan# 2561

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

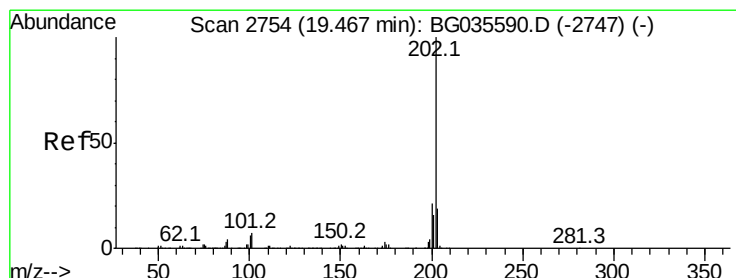
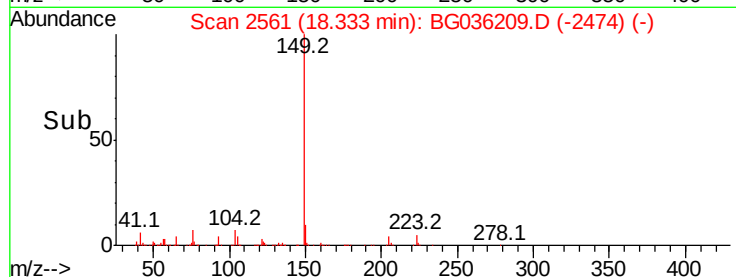
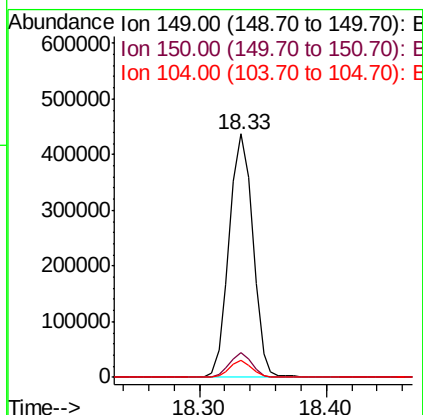
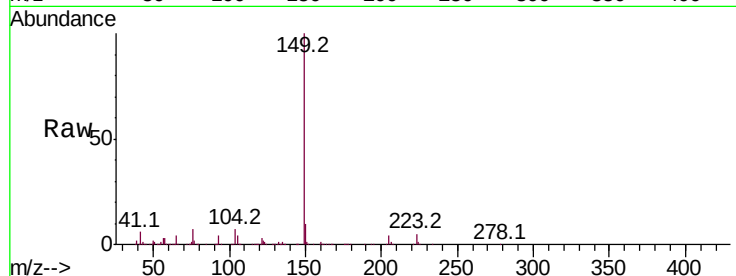
ClientSampled :

155-SOILMSD

Tot Ion:	149	Resp:	564800
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.8	11.6
104	6.8	3.9	5.9

Manual Integrations
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#74

Fluoranthene

Concen: 52.741 ng

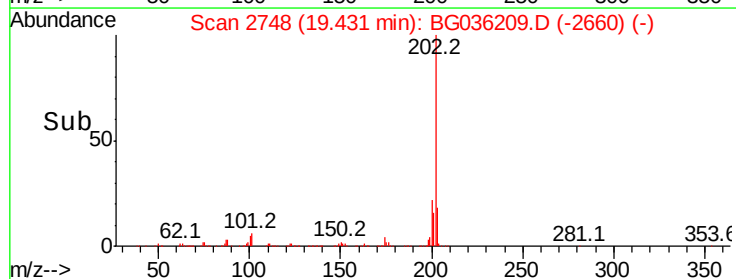
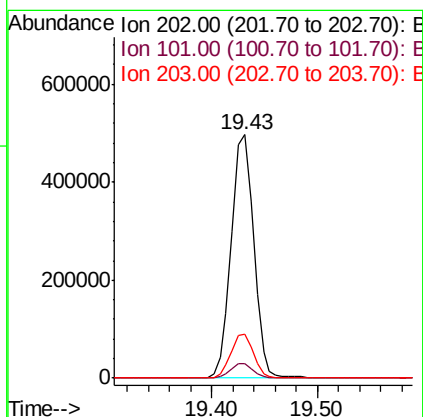
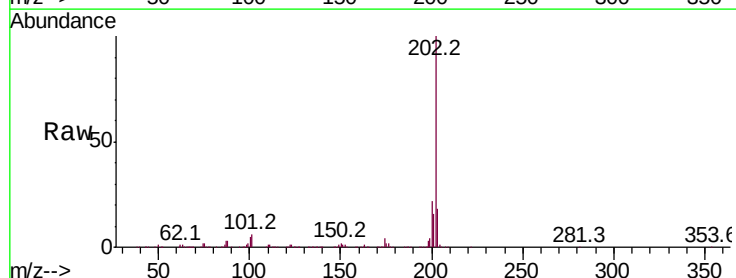
RT: 19.43 min Scan# 2748

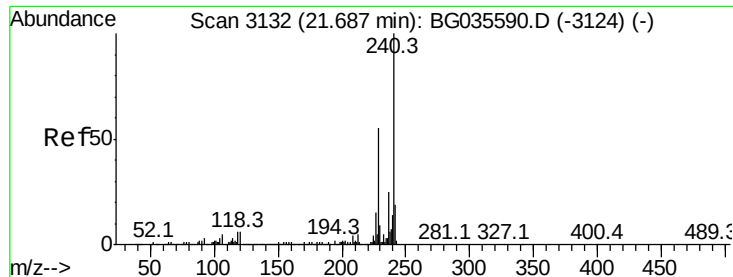
Delta R.T. -0.01 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion:	202	Resp:	729890
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	28.9
203	17.8	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

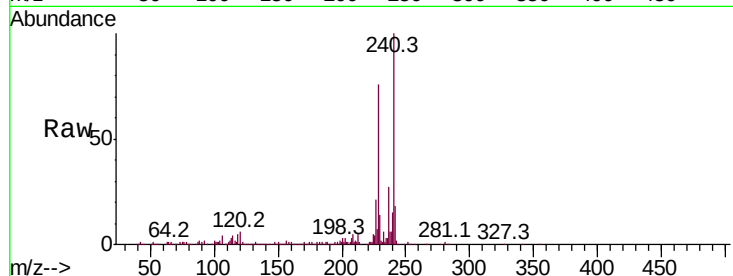
ClientSampleId :

155-SOILMSD

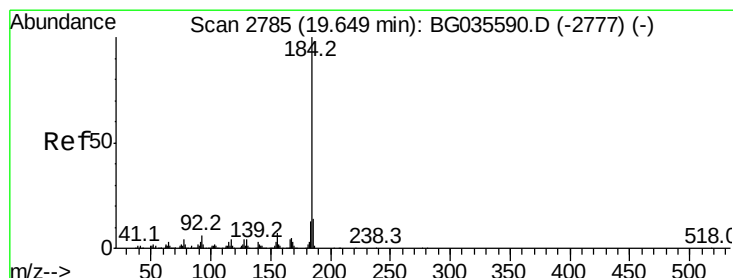
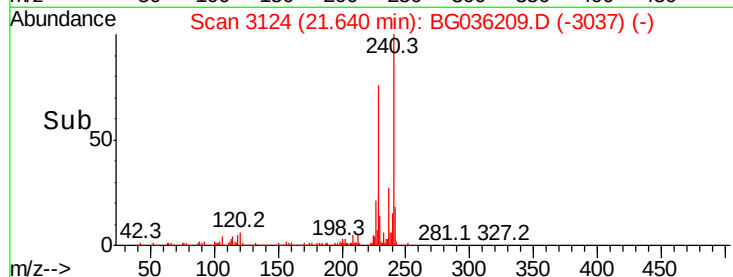
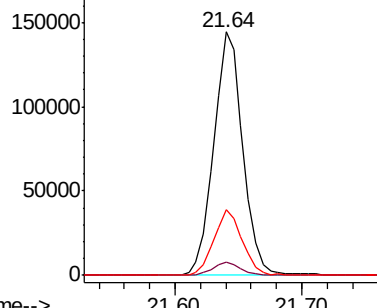
Tot Ion:	240	Resp:	228530
Ion Ratio	Lower	Upper	
240	100		
120	5.5	6.8	10.2#
236	27.0	20.9	31.3

Manual Integrations
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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: 2.079 ng

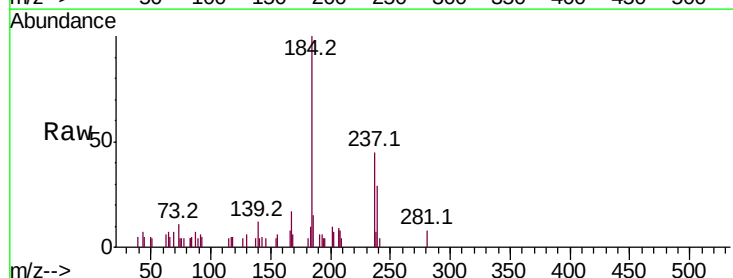
RT: 19.64 min Scan# 2783

Delta R.T. 0.01 min

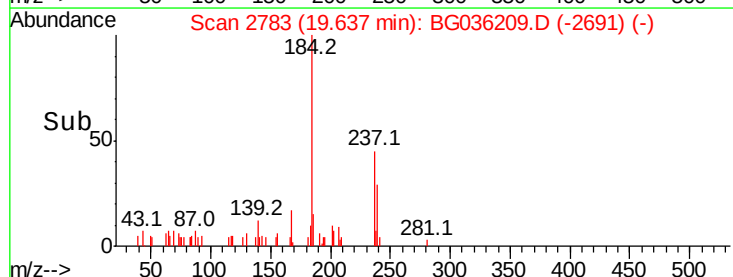
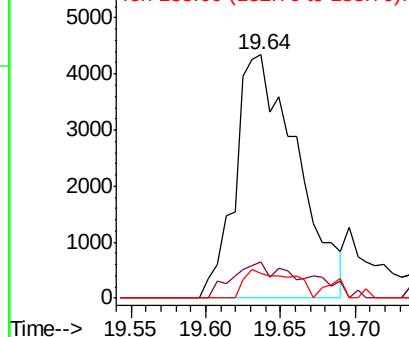
Lab File: BG036209.D

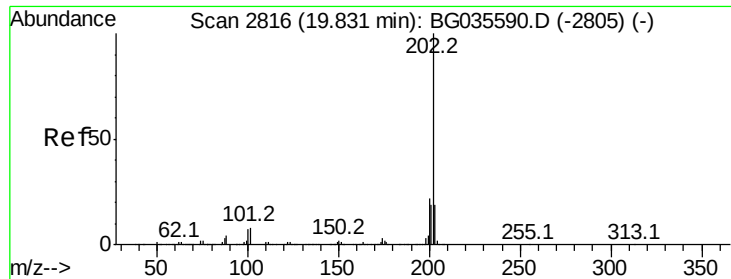
Acq: 8 Aug 2018 22:30

Tgt Ion:	184	Resp:	12492
Ion Ratio	Lower	Upper	
184	100		
185	14.9	11.1	16.7
183	10.3	10.6	16.0#



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





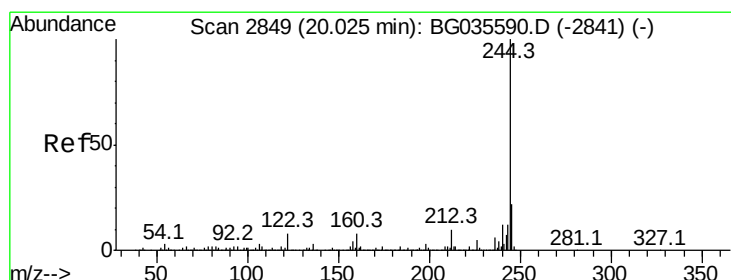
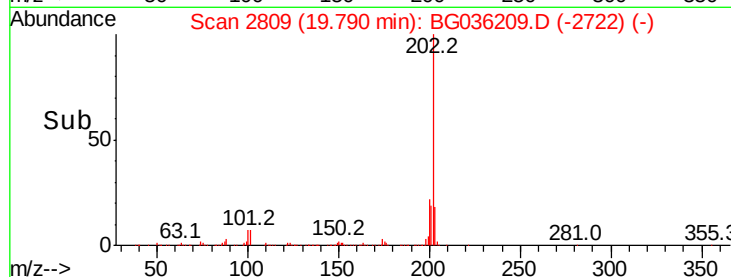
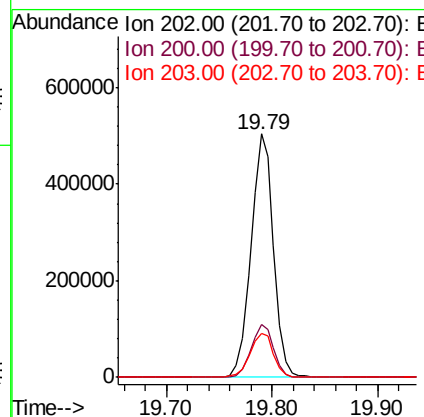
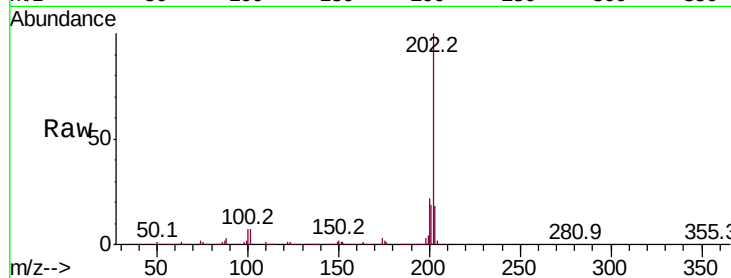
#77
Pvrene
Concen: 51.303 ng
RT: 19.79 min Scan# 2809
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	16.9	25.3
203	17.9	13.9	20.9

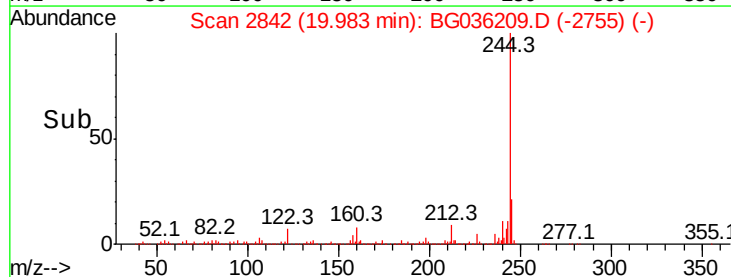
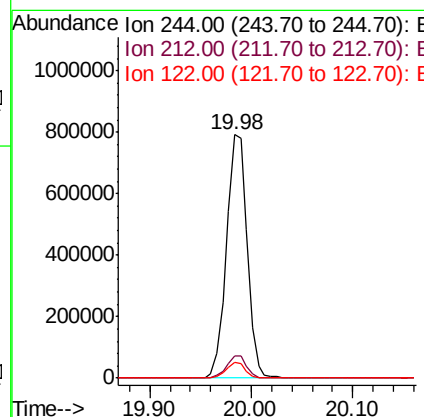
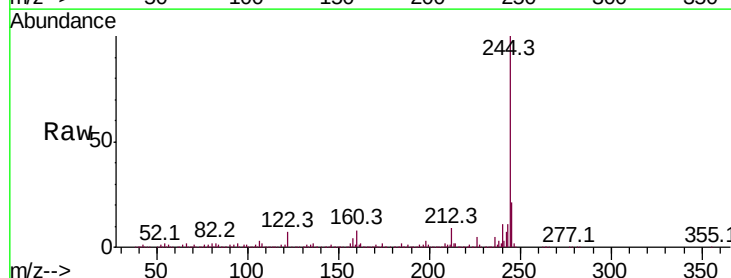
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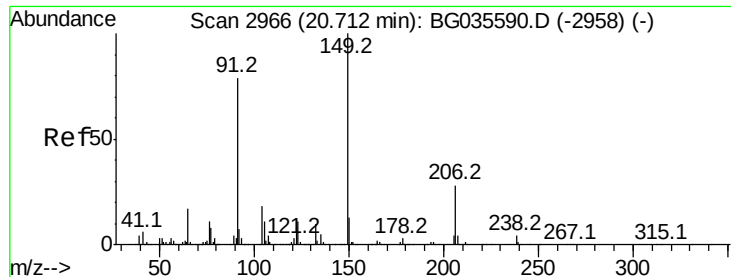
Sohil
8/9/2018 3:17:03 PM



#78
Terphenyl-d14
Concen: 108.017 ng
RT: 19.98 min Scan# 2842
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.0	5.8	8.8#
122	6.6	7.0	10.4#





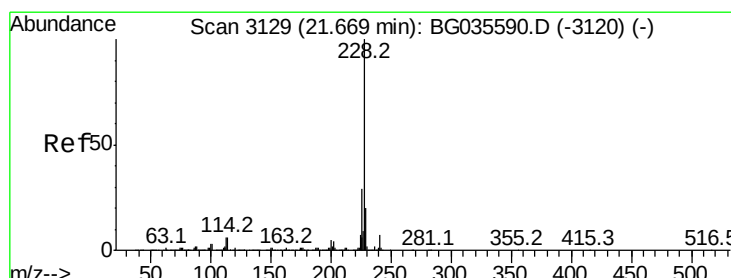
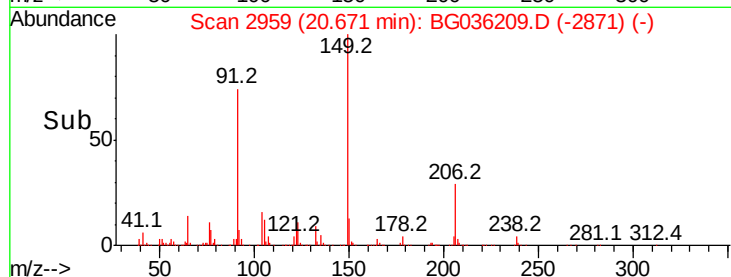
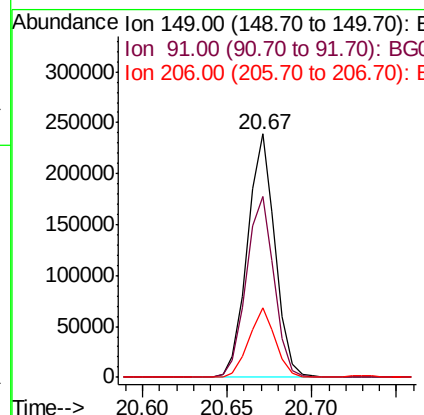
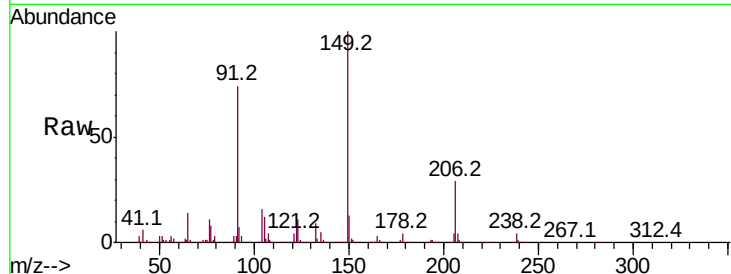
#79
Butylbenzylphthalate
Concen: 52.460 ng
RT: 20.67 min Scan# 2959
Delta R.T. -0.01 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.3	62.2	93.2
206	28.7	18.6	27.8

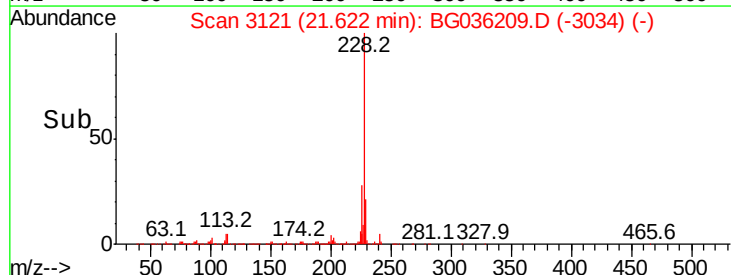
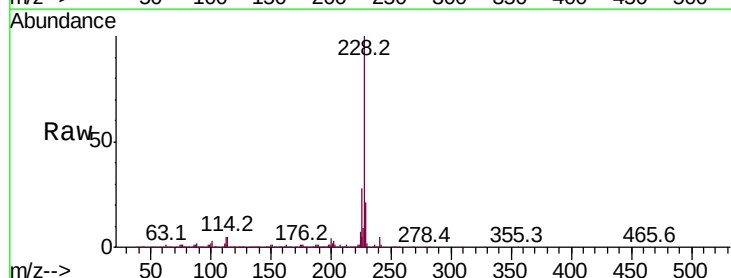
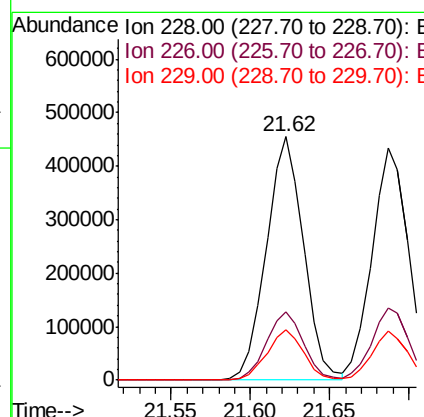
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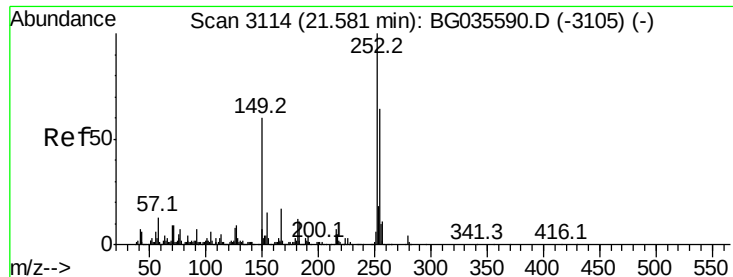
Sohil
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#80
Benzo(a)anthracene
Concen: 52.153 ng
RT: 21.62 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	20.5	16.2	24.2





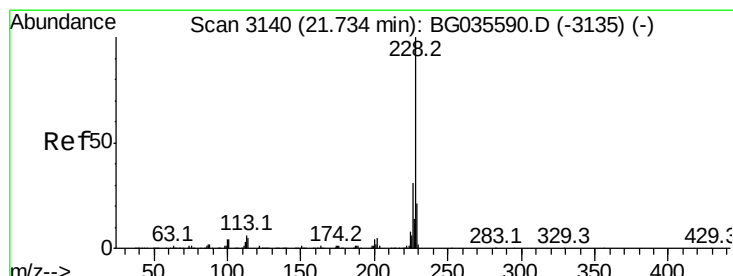
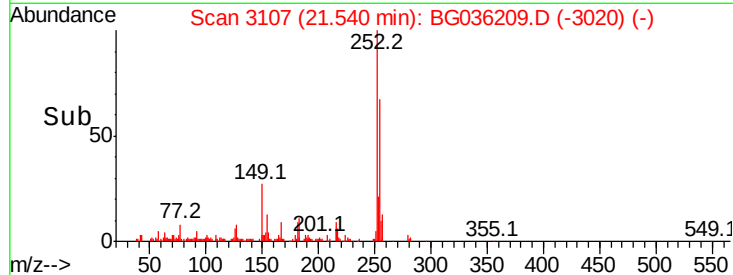
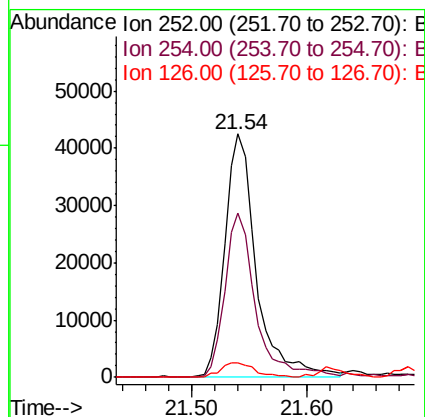
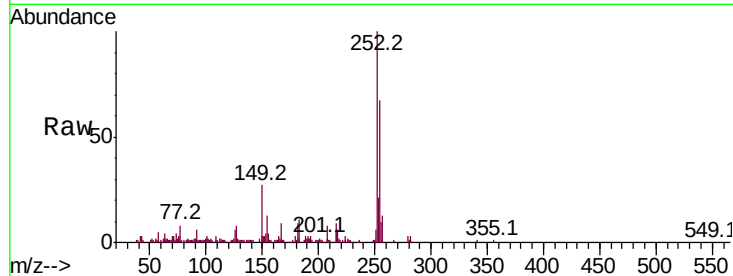
#81
 3,3'-Dichlorobenzidine
 Concen: 16.157 ng
 RT: 21.54 min Scan# 3107
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampled :
 155-SOILMSD

Tot Ion:	252	Resp:	80232
Ion Ratio	Lower	Upper	
252	100		
254	67.3	50.8	76.2
126	6.0	7.4	11.2#

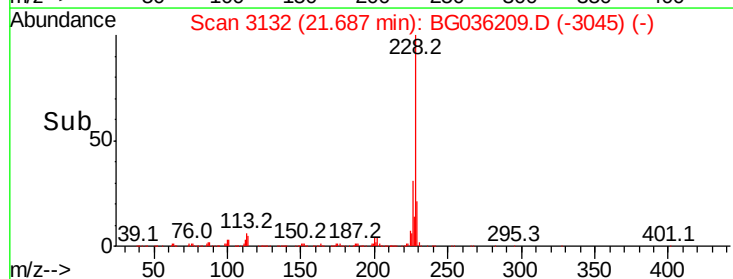
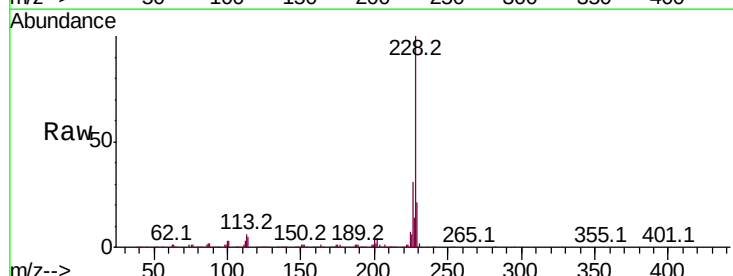
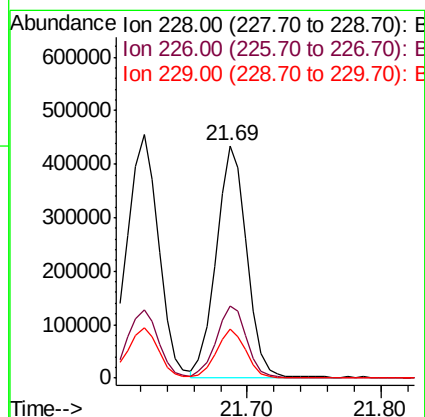
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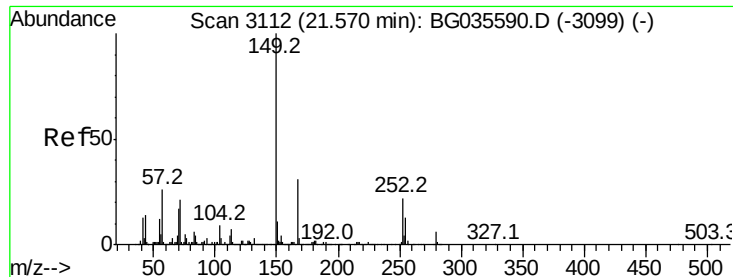
Sohil
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#82
 Chrysene
 Concen: 52.619 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion:	228	Resp:	694414
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	21.2	15.0	22.4





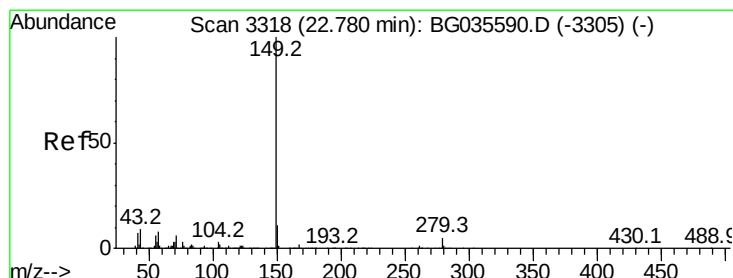
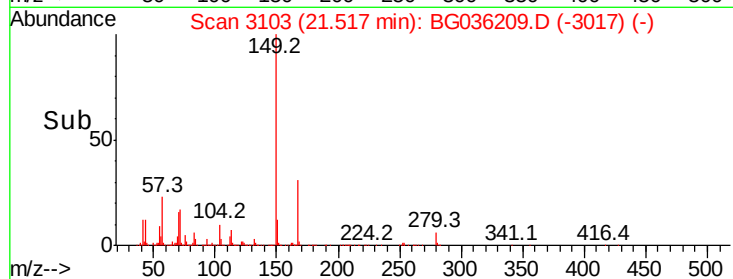
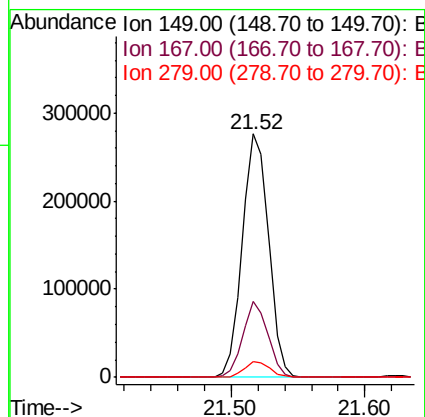
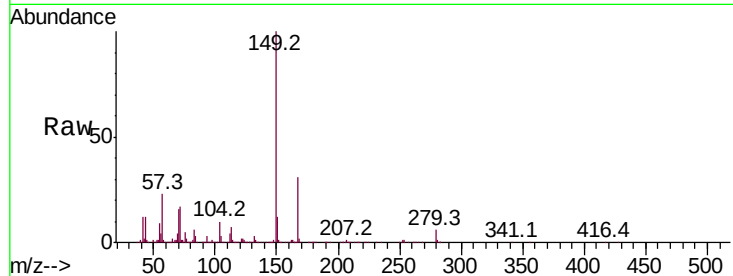
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.409 ng
 RT: 21.52 min Scan# 3103
 Delta R.T. -0.02 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	31.0	24.3	36.5	
279	6.3	4.0	6.0	

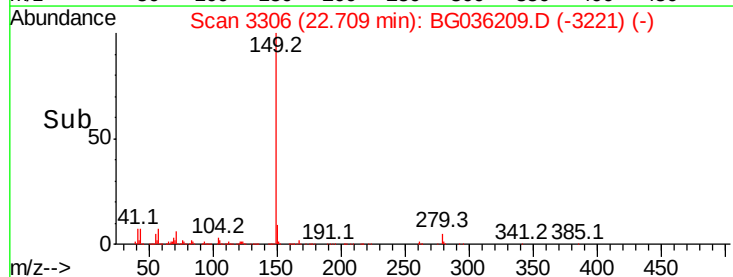
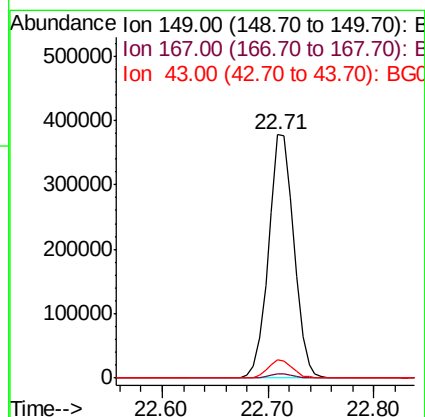
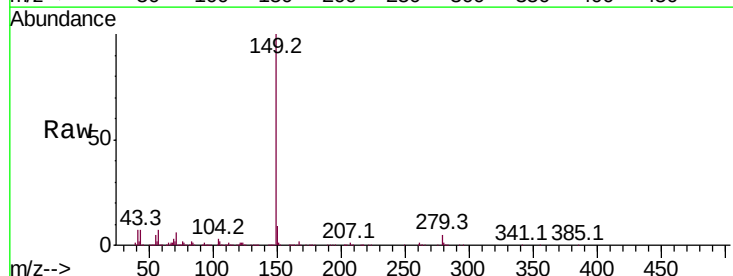
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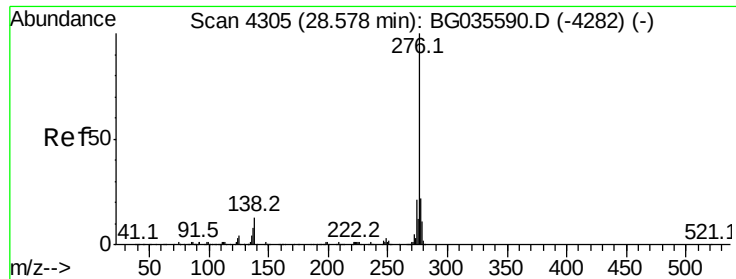
Sohil
 8/9/2018 3:17:03 PM



#84
 Di-n-octyl phthalate
 Concen: 53.276 ng
 RT: 22.71 min Scan# 3306
 Delta R.T. -0.03 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.7	1.4	2.0	
43	7.5	8.9	13.3	





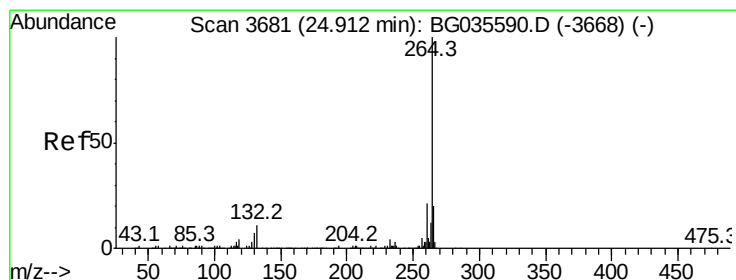
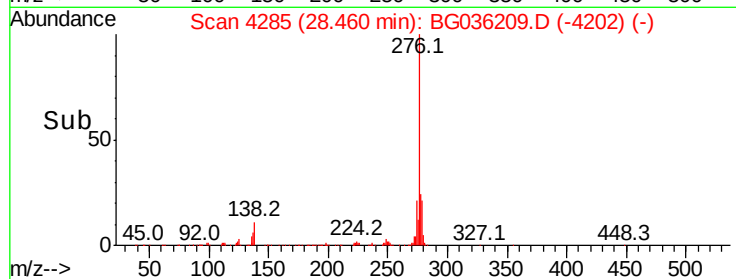
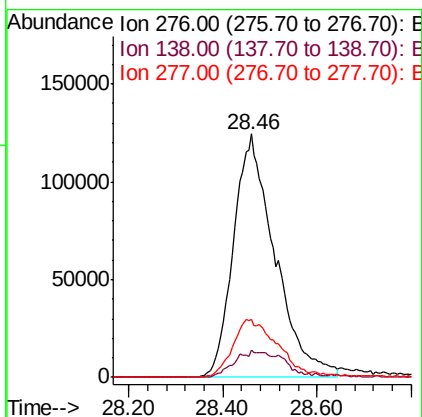
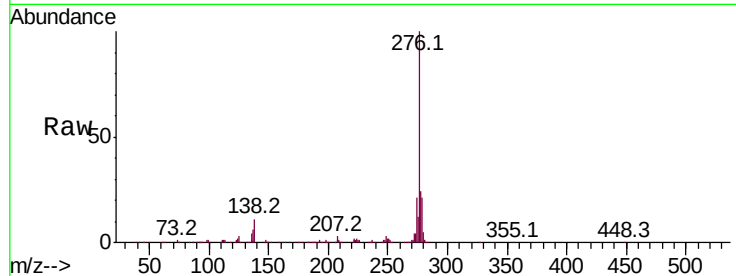
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 51.832 ng
 RT: 28.46 min Scan# 4285
 Delta R.T. -0.04 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :
 155-SOILMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.0	16.0	24.0#
277	25.6	20.0	30.0

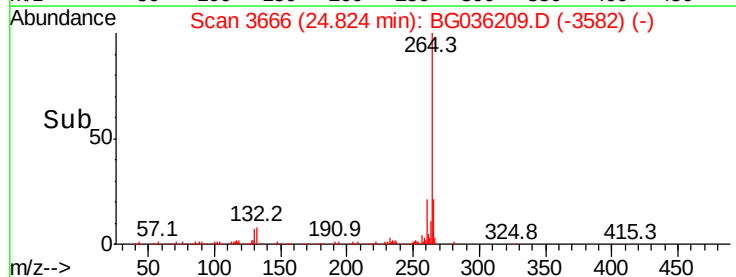
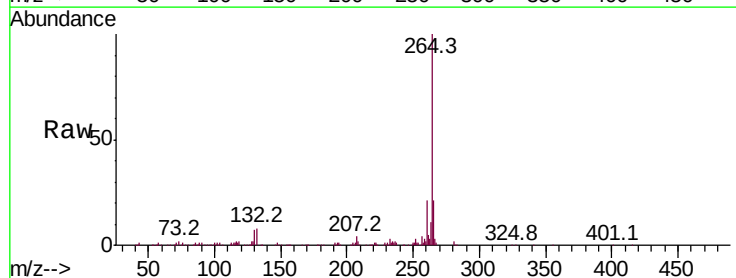
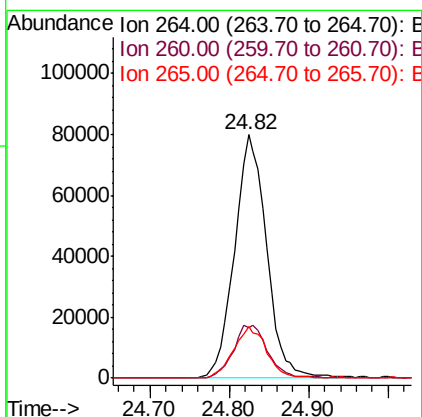
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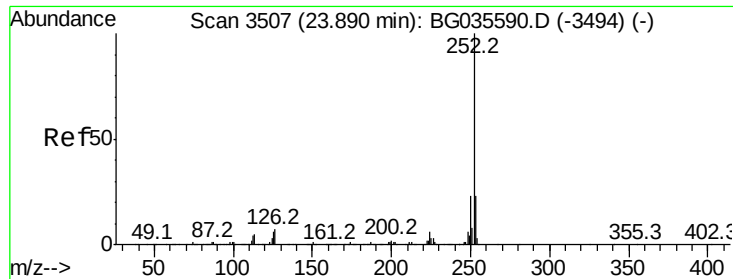
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3666
 Delta R.T. -0.04 min
 Lab File: BG036209.D
 Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.9	17.4	26.0
265	21.0	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 51.589 ng

RT: 23.82 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BG036209.D

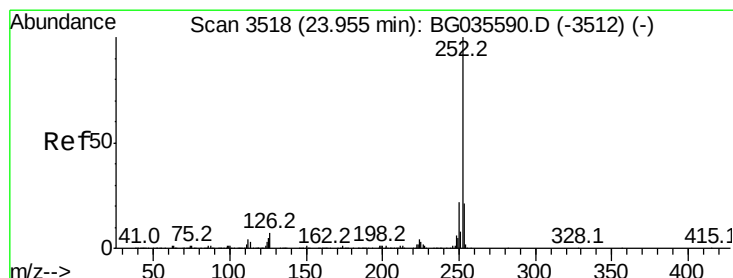
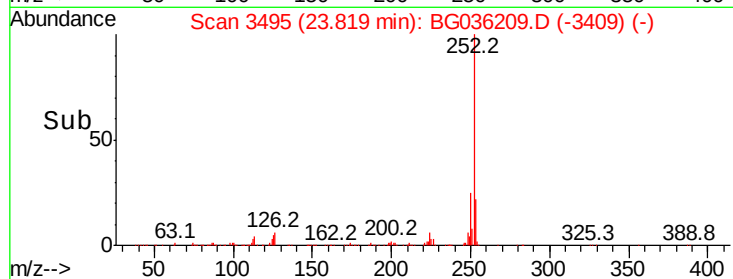
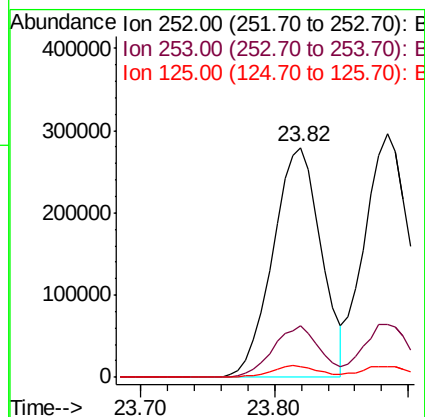
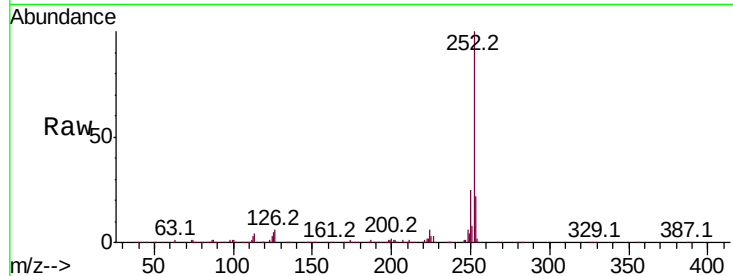
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	4.5	7.2	10.8

Manual Integrations
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8/9/2018 3:17:03 PM



#88

Benzo(k)fluoranthene

Concen: 52.428 ng

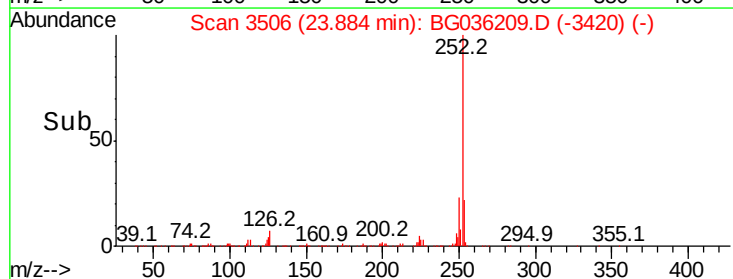
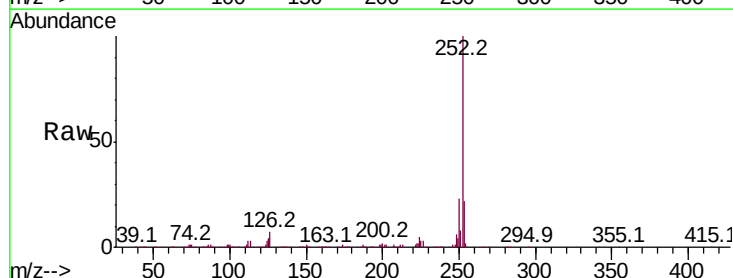
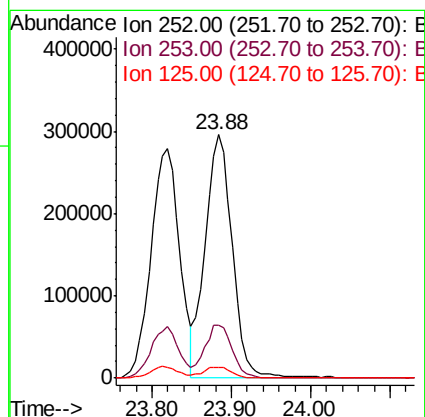
RT: 23.88 min Scan# 3506

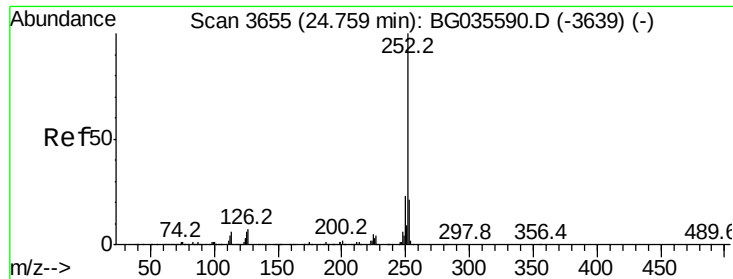
Delta R.T. -0.02 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	4.5	6.6	9.8





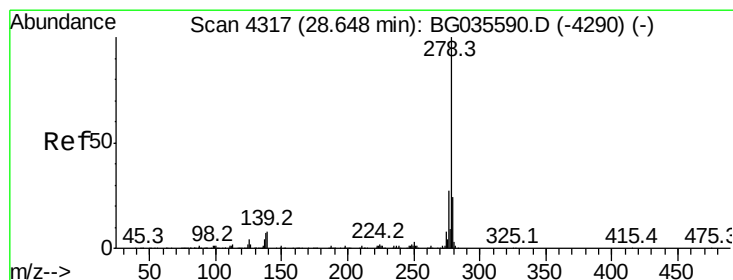
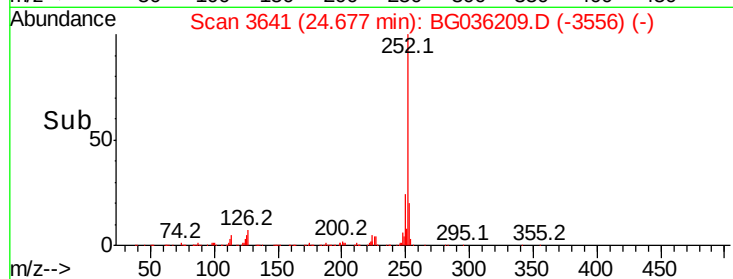
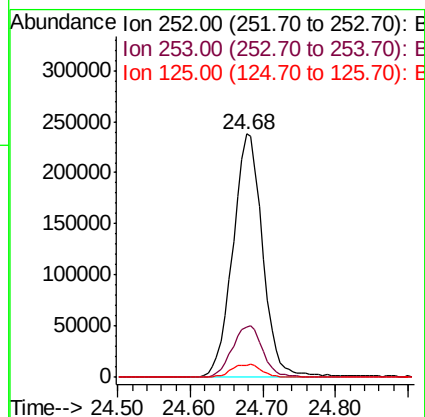
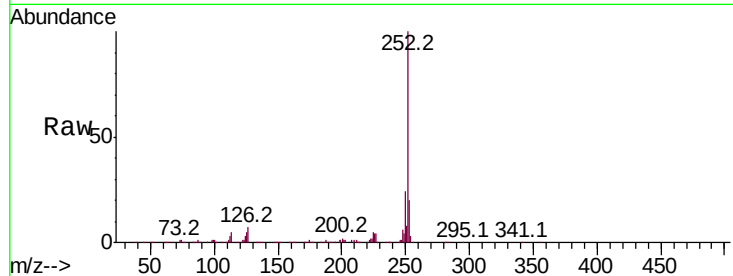
#89
Benzo(a)pyrene
Concen: 53.406 ng
RT: 24.68 min Scan# 3641
Delta R.T. -0.03 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Instrument :
BNA_G
ClientSampleId :
155-SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.3	27.5
125	5.0	7.3	10.9#

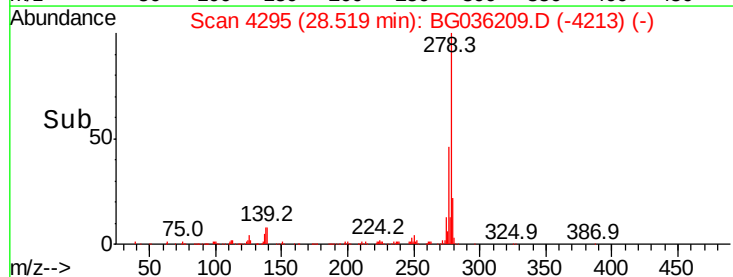
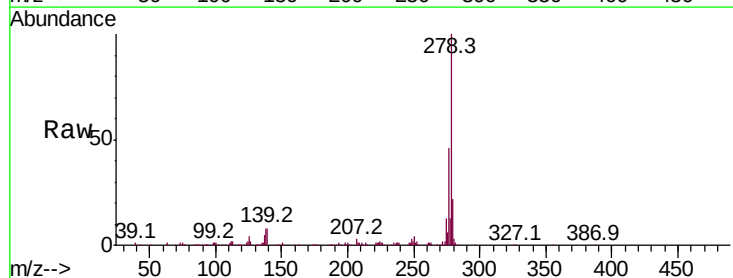
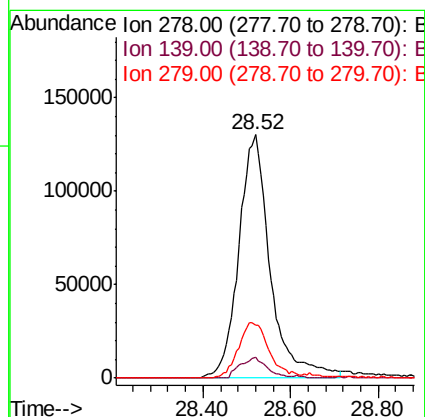
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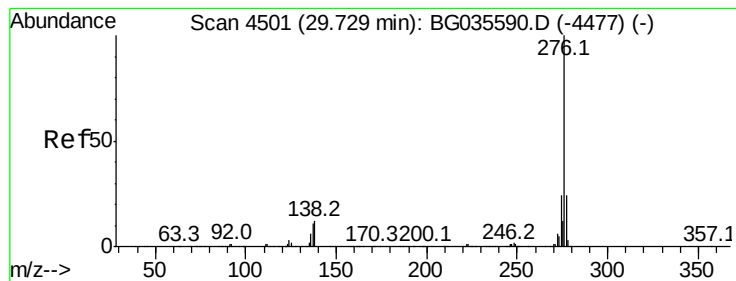
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 50.960 ng
RT: 28.52 min Scan# 4295
Delta R.T. -0.05 min
Lab File: BG036209.D
Acq: 8 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.4	9.8	14.6#
279	21.7	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 51.579 ng

RT: 29.60 min Scan# 4479

Delta R.T. -0.04 min

Lab File: BG036209.D

Acq: 8 Aug 2018 22:30

Instrument :

BNA_G

ClientSampleId :

155-SOILMSD

Tot Ion:	276	Resp:	627329
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.3	27.5
138	10.7	13.9	20.9

Manual Integrations
APPROVED

Sohil
8/9/2018 3:17:03 PM

