

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034115.D
 Acq On : 2 May 2018 14:22
 Operator : SJ/JU
 Sample : J1161-02
 Misc : L00 20 PPM
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Manual Integrations
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 5/2/2018 4:51:08 PM

Quant Time: May 02 15:58:05 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	64202	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	263789	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	199080	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	554337	20.00	ng	0.00
75) Chrysene-d12	21.76	240	607280	20.00	ng	0.00
86) Perylene-d12	25.05	264	616522	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	507338	127.67	ng	0.00
7) Phenol-d6	7.22	99	768449	124.21	ng	0.00
23) Nitrobenzene-d5	9.24	82	564807	82.15	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	357172	129.57	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1157213	84.70	ng	0.00
78) Terphenyl-d14	20.09	244	2244938	80.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	34061	20.412	ng	# 83
3) Pyridine	3.95	79	109433	20.901	ng	# 82
4) n-Nitrosodimethylamine	3.86	42	55578	19.468	ng	# 76
6) Aniline	7.40	93	161485	19.191	ng	91
8) 2-Chlorophenol	7.63	128	75276	18.984	ng	82
9) Benzaldehyde	7.21	77	70961	17.041	ng	82
10) Phenol	7.25	94	121412	19.458	ng	80
11) bis(2-Chloroethyl)ether	7.49	93	98052	19.961	ng	91
12) 1,3-Dichlorobenzene	7.97	146	97374	19.411	ng	# 89
13) 1,4-Dichlorobenzene	8.11	146	98453	19.761	ng	97
14) 1,2-Dichlorobenzene	8.43	146	89829m	18.982	ng	
15) Benzyl Alcohol	8.31	79	122384	18.545	ng	# 82
16) 2,2'-oxybis(1-Chloropropan	8.60	45	132095	19.544	ng	82
17) 2-Methylphenol	8.51	107	80929	19.711	ng	# 76
18) Hexachloroethane	9.16	117	43845	20.687	ng	# 81
19) n-Nitroso-di-n-propylamine	8.88	70	106762	19.217	ng	# 92
20) 3+4-Methylphenols	8.83	107	116617	19.178	ng	81
22) Acetophenone	8.89	105	175543	19.536	ng	96
24) Nitrobenzene	9.28	77	150481	19.996	ng	# 82
25) Isophorone	9.80	82	261142	18.619	ng	# 93
26) 2-Nitrophenol	9.99	139	43431	20.847	ng	# 60
27) 2,4-Dimethylphenol	10.04	122	76320	18.897	ng	# 81
28) bis(2-Chloroethoxy)methane	10.29	93	131377	19.070	ng	99
29) 2,4-Dichlorophenol	10.53	162	86412	17.899	ng	96
30) 1,2,4-Trichlorobenzene	10.75	180	116332	20.012	ng	92
31) Naphthalene	10.94	128	272688	19.667	ng	95
32) Benzoic acid	10.14	122	55978	18.637	ng	90
33) 4-Chloroaniline	11.04	127	119941	19.184	ng	# 84
34) Hexachlorobutadiene	11.23	225	97120	19.739	ng	98
35) Caprolactam	11.80	113	35132	20.488	ng	# 88
36) 4-Chloro-3-methylphenol	12.15	107	118897	18.994	ng	# 86
37) 2-Methylnaphthalene	12.54	142	220090	19.577	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	158324	20.552	ng	98
40) Hexachlorocyclopentadiene	12.89	237	90524	19.832	ng	86

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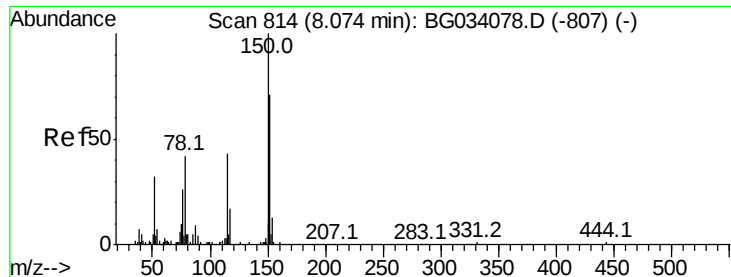
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.15	196	91354	20.410	nq	94
43) 2,4,5-Trichlorophenol	13.21	196	107710	21.768	nq	93
45) 1,1'-Biphenyl	13.55	154	321670	20.683	nq	98
46) 2-Chloronaphthalene	13.59	162	239879	20.373	nq	98
47) 2-Nitroaniline	13.79	65	94909	20.162	nq	86
48) Acenaphthylene	14.44	152	385652	20.515	nq	97
49) Dimethylphthalate	14.17	163	344168	19.937	nq	100
50) 2,6-Dinitrotoluene	14.28	165	72178	21.770	nq	# 79
51) Acenaphthene	14.78	154	255876	20.028	nq	97
52) 3-Nitroaniline	14.61	138	69558	20.815	nq	# 87
53) 2,4-Dinitrophenol	14.81	184	25235	19.456	nq	# 57
54) Dibenzofuran	15.12	168	375479	20.272	nq	# 88
55) 4-Nitrophenol	14.90	139	51083	20.027	nq	# 62
56) 2,4-Dinitrotoluene	15.07	165	95485	21.210	nq	# 83
57) Fluorene	15.76	166	317646	19.676	nq	96
58) 2,3,4,6-Tetrachlorophenol	15.33	232	100767	19.686	nq	94
59) Diethylphthalate	15.54	149	363179	19.881	nq	96
60) 4-Chlorophenyl-phenylether	15.76	204	198777	20.697	nq	97
61) 4-Nitroaniline	15.77	138	72122	20.346	nq	# 50
62) Azobenzene	16.06	77	394694	20.001	nq	95
64) 4,6-Dinitro-2-methylphenol	15.83	198	46827	17.966	nq	87
65) n-Nitrosodiphenylamine	15.97	169	287307	19.008	nq	97
66) 4-Bromophenyl-phenylether	16.65	248	130490	18.960	nq	95
67) Hexachlorobenzene	16.77	284	137437	19.672	nq	# 90
68) Atrazine	16.92	200	85652	10.760	nq	97
69) Pentachlorophenol	17.11	266	85279	17.513	nq	95
70) Phenanthrene	17.51	178	551701	19.369	nq	100
71) Anthracene	17.60	178	557679	19.318	nq	98
72) Carbazole	17.87	167	521434	19.731	nq	98
73) Di-n-butylphthalate	18.44	149	620806	19.516	nq	# 96
74) Fluoranthene	19.52	202	723893	20.111	nq	96
76) Benzidine	19.70	184	246962	15.787	nq	98
77) Pyrene	19.88	202	745574	19.596	nq	96
79) Butylbenzylphthalate	20.78	149	286341	19.278	nq	91
80) Benzo(a)anthracene	21.74	228	775561	19.928	nq	97
81) 3,3'-Dichlorobenzidine	21.65	252	291243	19.789	nq	# 97
82) Chrysene	21.81	228	741037	19.893	nq	99
83) Bis(2-ethylhexyl)phthalate	21.67	149	392721	19.211	nq	96
84) Di-n-octyl phthalate	22.92	149	624457	19.126	nq	98
85) Indeno(1,2,3-cd)pyrene	28.81	276	815158	19.884	nq	# 83
87) Benzo(b)fluoranthene	24.01	252	764685	19.635	nq	# 96
88) Benzo(k)fluoranthene	24.08	252	725711	19.497	nq	# 97
89) Benzo(a)pyrene	24.89	252	702688	19.286	nq	# 96
90) Dibenzo(a,h)anthracene	28.88	278	652273	18.991	nq	# 95
91) Benzo(g,h,i)perylene	29.97	276	671662	19.841	nq	# 92

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



#1

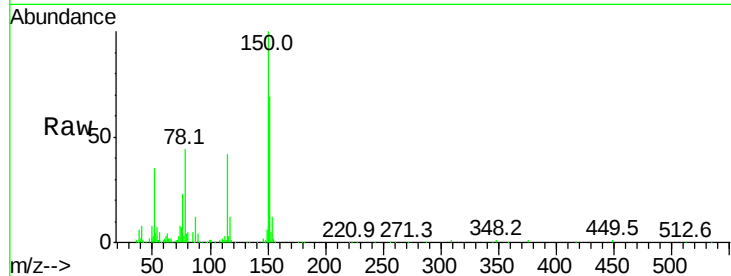
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. 0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

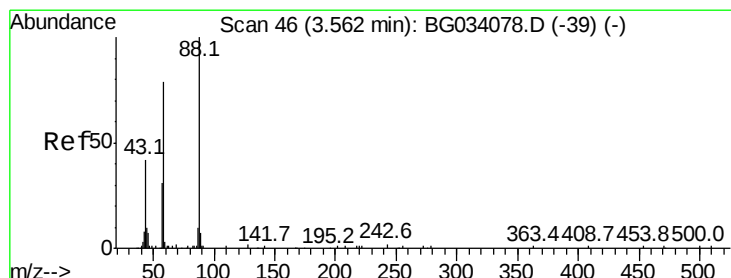
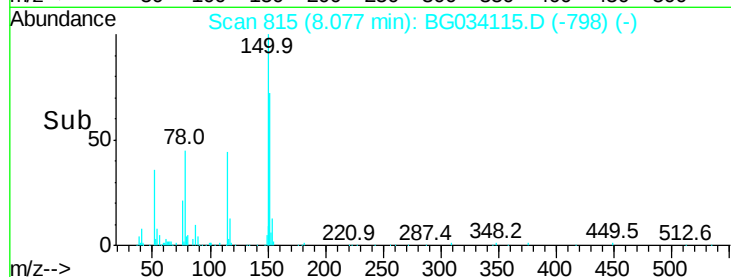
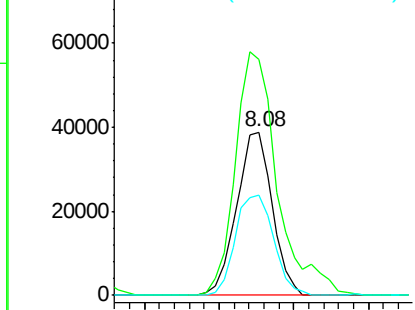
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	126.6	189.8
115	61.3	53.0	79.4

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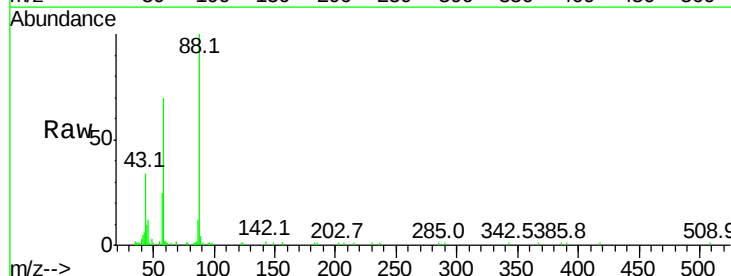
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



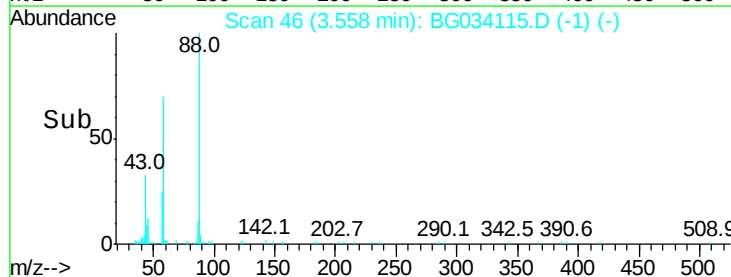
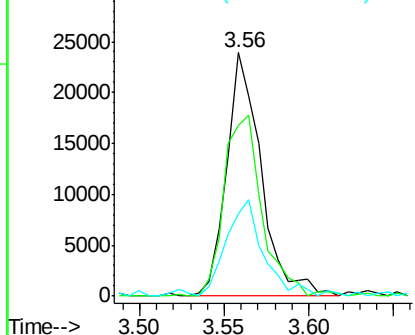
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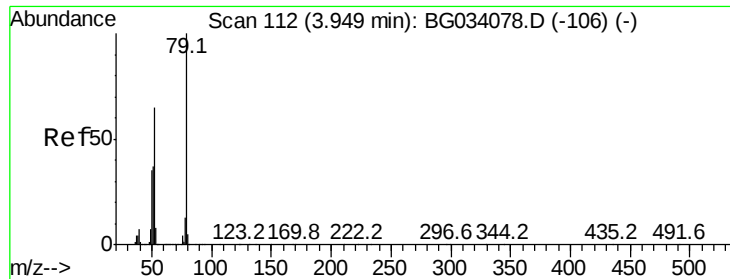
1,4-Dioxane
Concen: 20.412 ng
RT: 3.56 min Scan# 46
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.1	79.6	119.4
43	42.1	27.4	41.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 20.901 ng

RT: 3.95 min Scan# 112

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

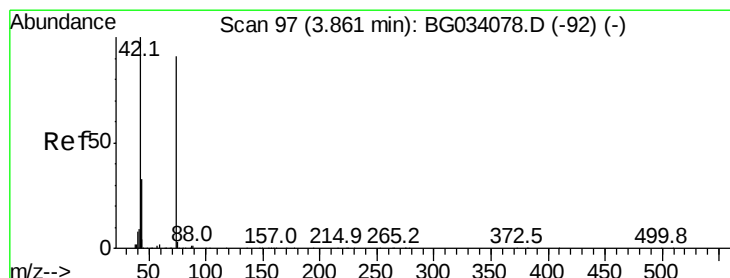
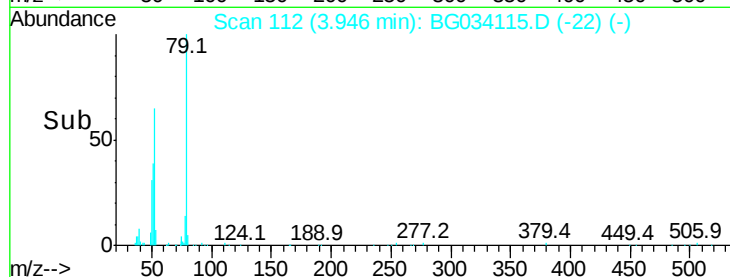
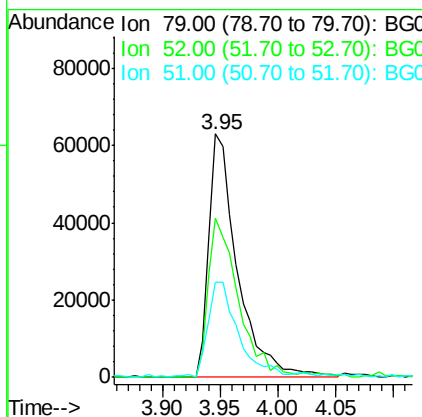
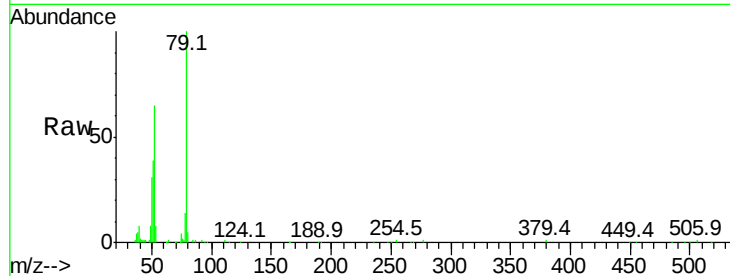
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	79	Resp:	109433
Ion Ratio	Lower	Upper	
79	100		
52	65.3	69.9	104.9#
51	39.3	34.0	51.0

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#4

n-Nitrosodimethylamine

Concen: 19.468 ng

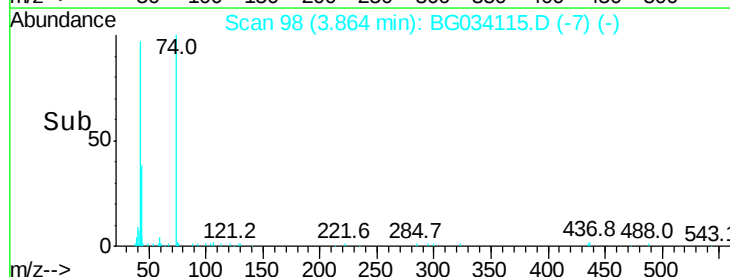
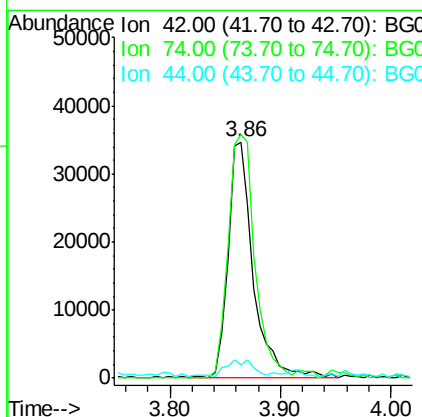
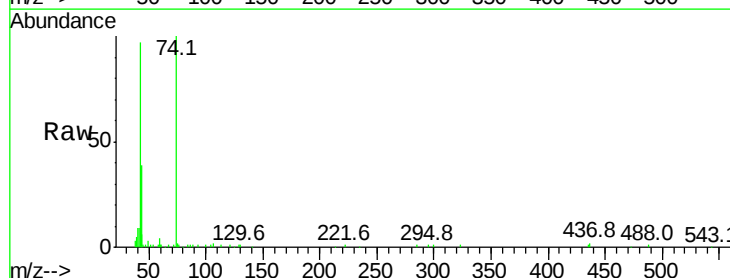
RT: 3.86 min Scan# 98

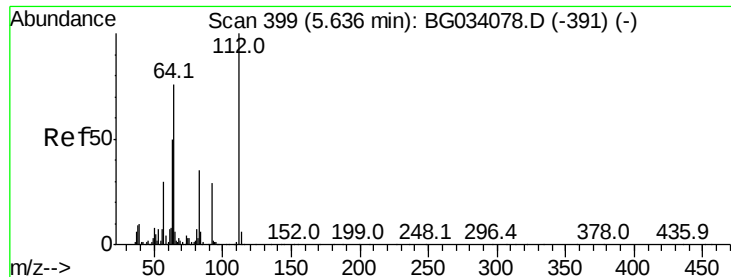
Delta R.T. 0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	42	Resp:	55578
Ion Ratio	Lower	Upper	
42	100		
74	103.1	102.5	153.7
44	5.8	18.9	28.3#





#5

2-Fluorophenol

Concen: 127.670 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

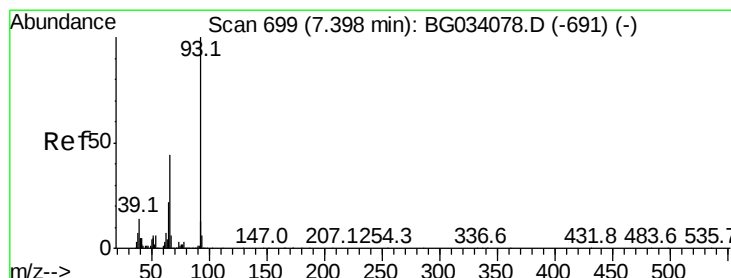
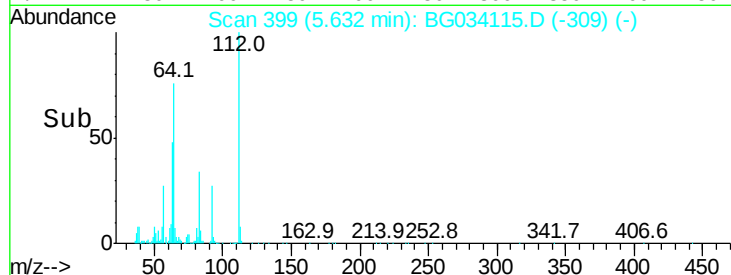
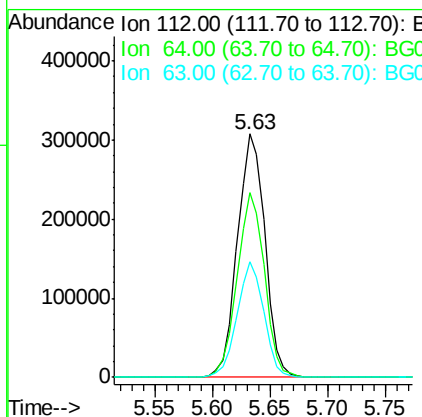
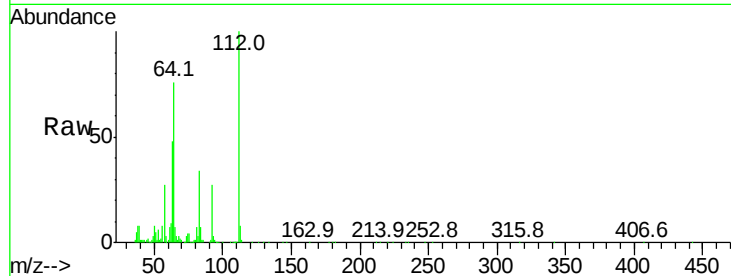
ClientSampleId :

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Tot Ion:	112	Resp:	507338
Ion Ratio	Lower	Upper	
112	100		
64	75.7	56.3	84.5
63	47.7	30.1	45.1

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#6

Aniline

Concen: 19.191 ng

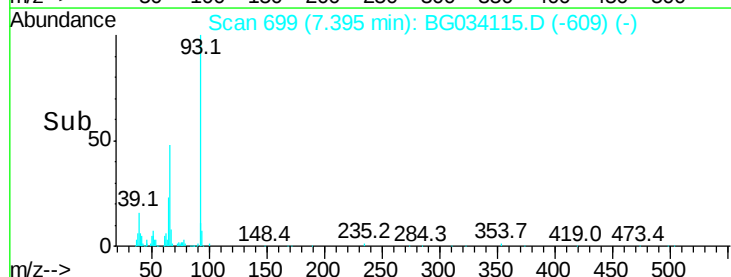
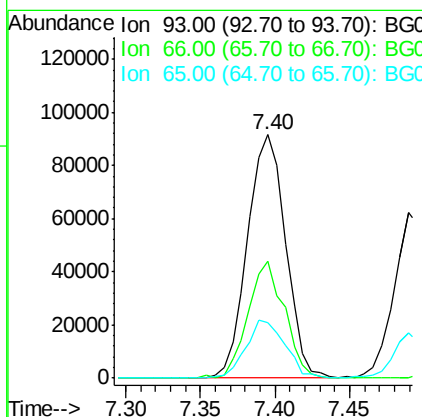
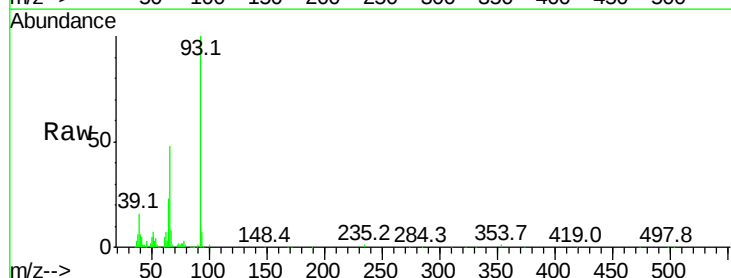
RT: 7.40 min Scan# 699

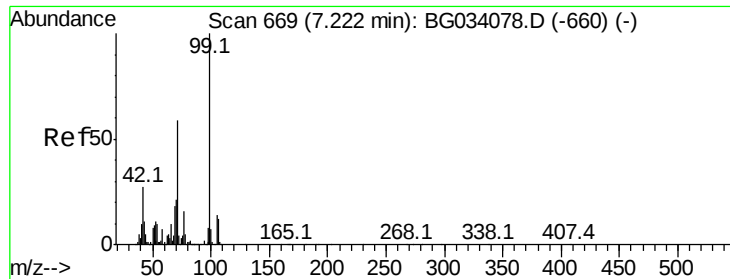
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	93	Resp:	161485
Ion Ratio	Lower	Upper	
93	100		
66	48.2	33.7	50.5
65	23.0	16.1	24.1





#7

Phenol-d6

Concen: 124.215 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

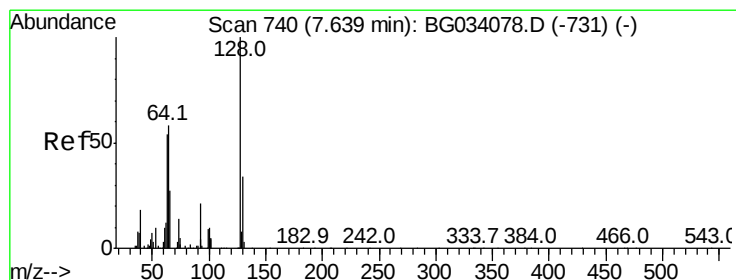
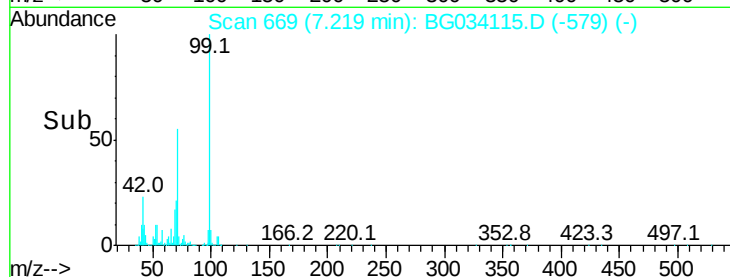
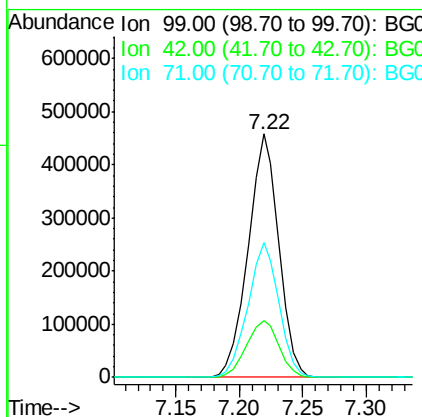
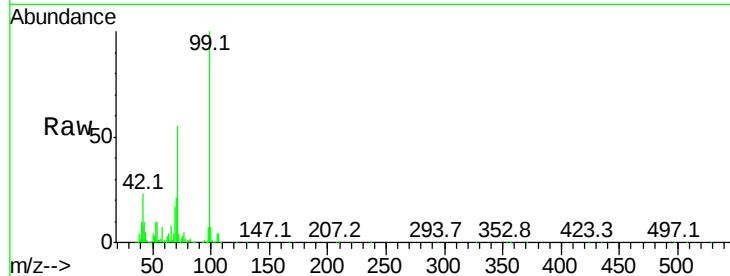
ClientSampleId :

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Tot Ion:	99	Resp:	768449
Ion Ratio	Lower	Upper	
99	100		
42	23.1	14.1	21.1#
71	55.2	26.1	39.1#

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#8

2-Chlorophenol

Concen: 18.984 ng

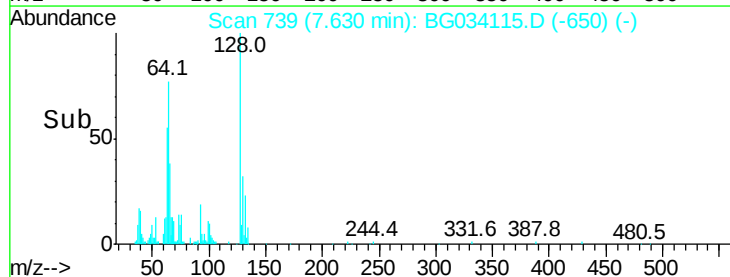
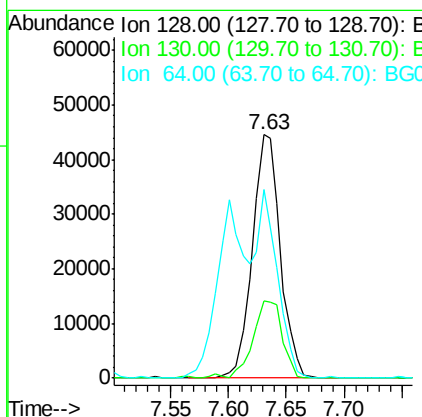
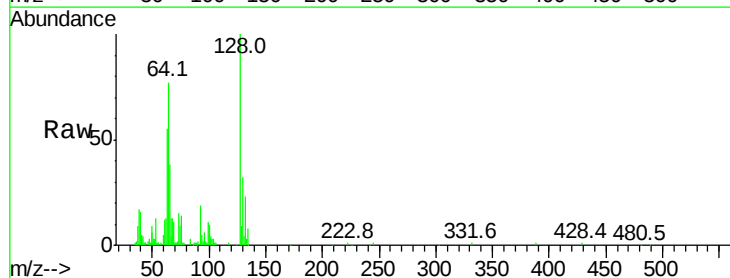
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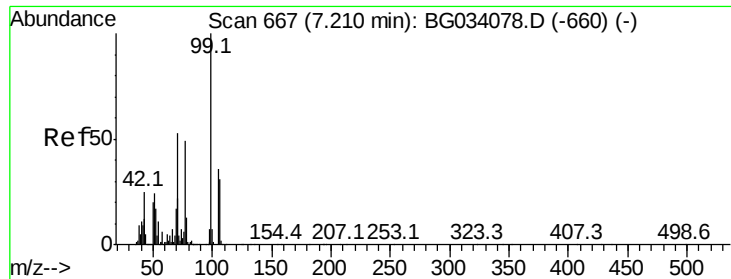
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	128	Resp:	75276
Ion Ratio	Lower	Upper	
128	100		
130	31.6	14.0	54.0
64	77.3	37.7	77.7





#9

Benzaldehyde

Concen: 17.041 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

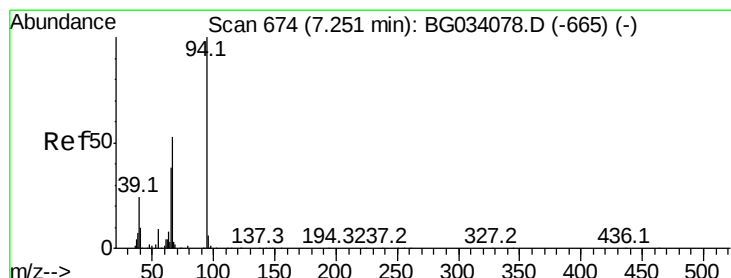
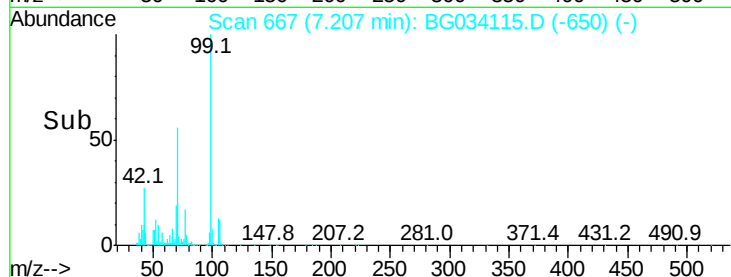
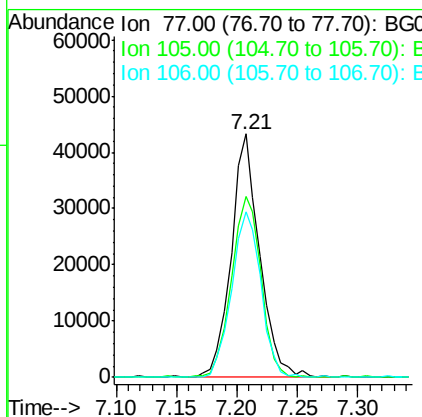
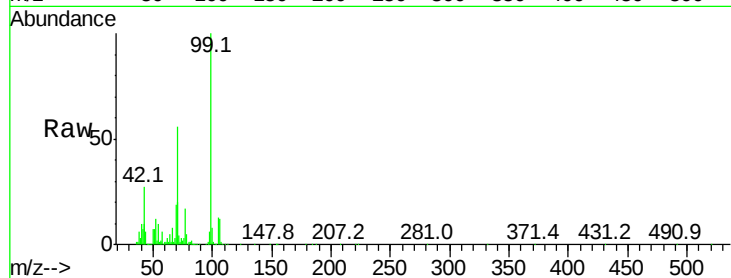
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	77	Resp:	70961
Ion	Ratio	Lower	Upper
77	100		
105	74.1	71.3	111.3
106	67.9	64.2	104.2

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#10

Phenol

Concen: 19.458 ng

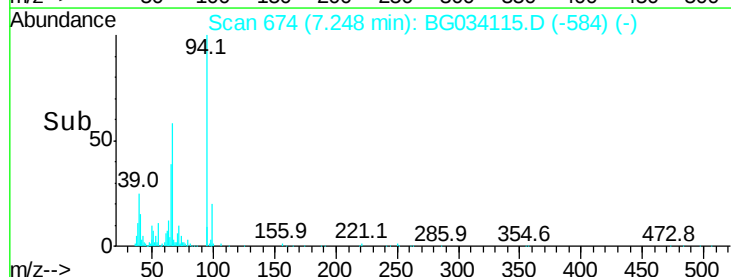
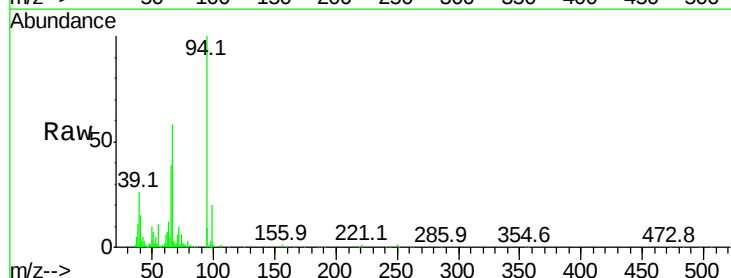
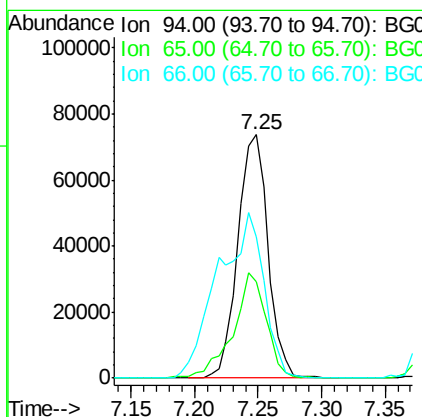
RT: 7.25 min Scan# 674

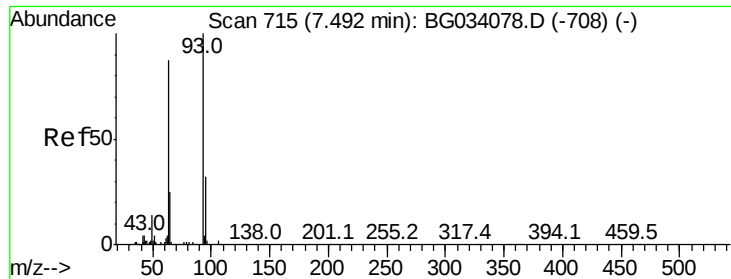
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	94	Resp:	121412
Ion	Ratio	Lower	Upper
94	100		
65	39.4	11.9	51.9
66	58.2	22.2	62.2





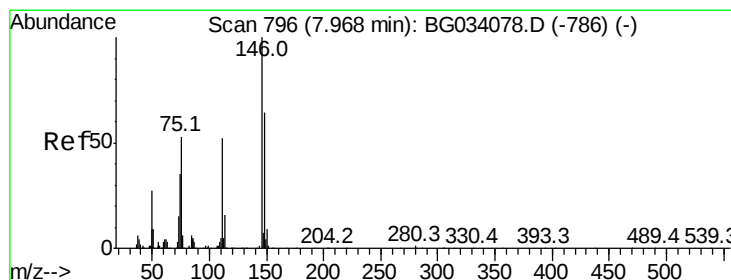
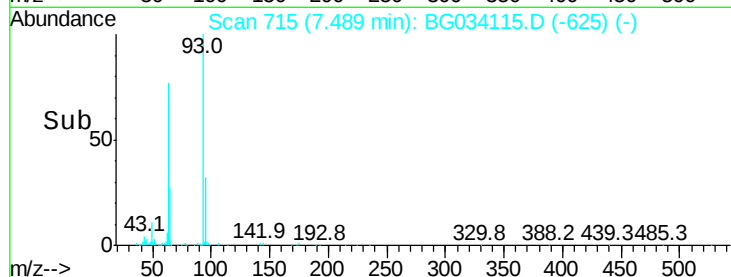
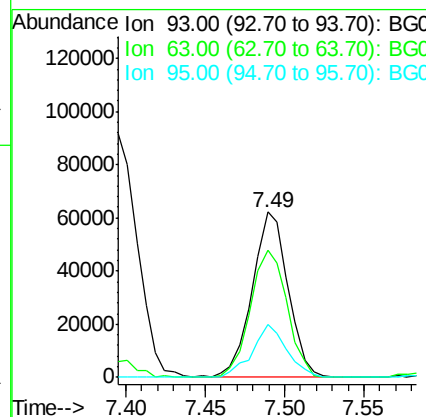
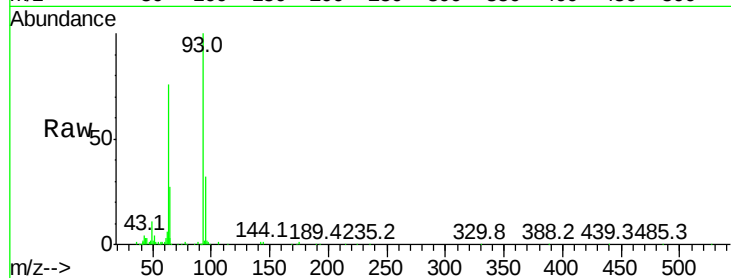
#11
bis(2-Chloroethyl)ether
Concen: 19.961 ng
RT: 7.49 min Scan# 715
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.5	67.1	107.1
95	31.7	11.5	51.5

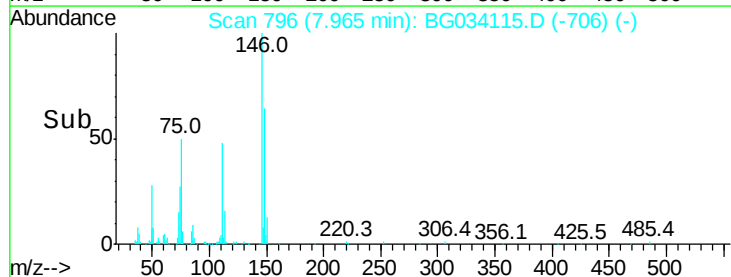
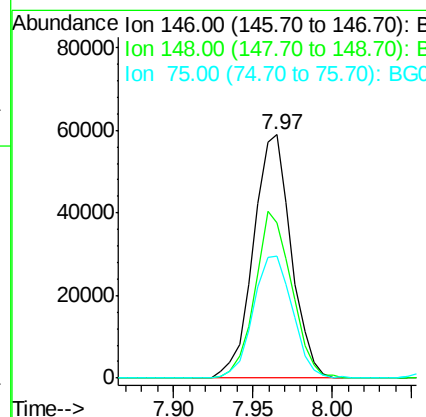
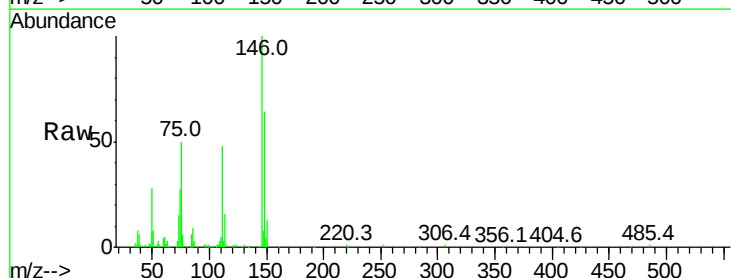
Manual Integrations
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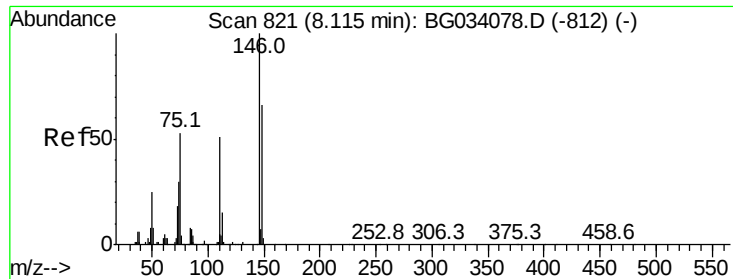
Sohil
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#12
1,3-Dichlorobenzene
Concen: 19.411 ng
RT: 7.97 min Scan# 796
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
75	50.0	26.6	39.8





#13

1,4-Dichlorobenzene

Concen: 19.761 ng

RT: 8.11 min Scan# 820

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

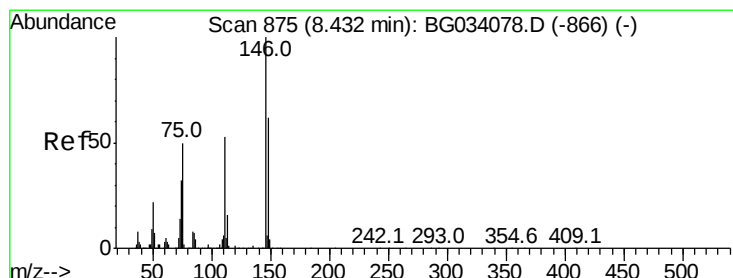
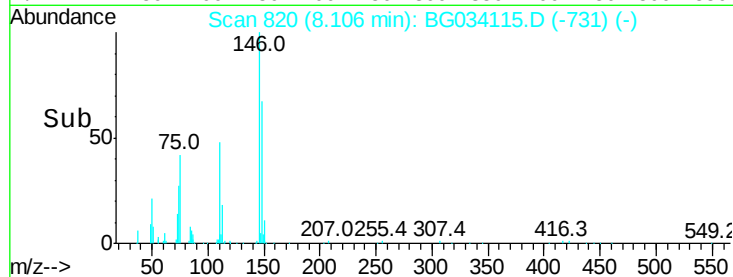
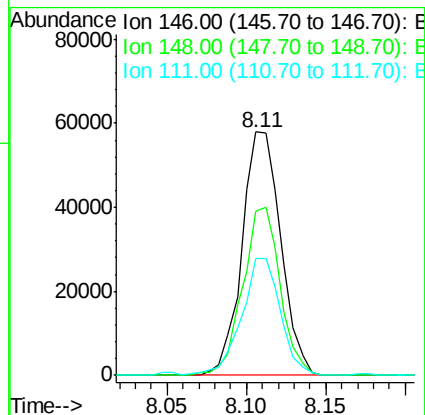
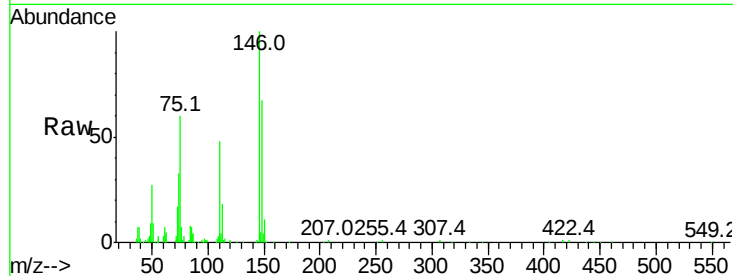
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	146	Resp:	98453
Ion Ratio	Lower	Upper	
146	100		
148	67.4	53.7	80.5
111	47.8	35.2	52.8

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#14

1,2-Dichlorobenzene

Concen: 18.982 ng m

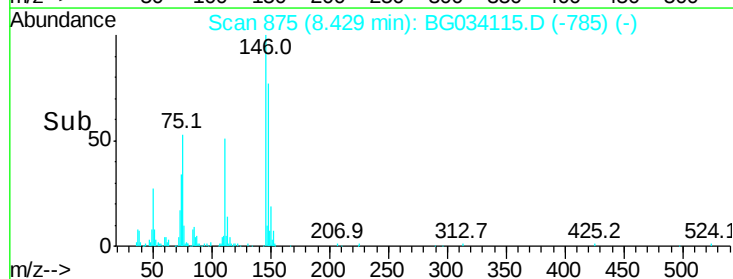
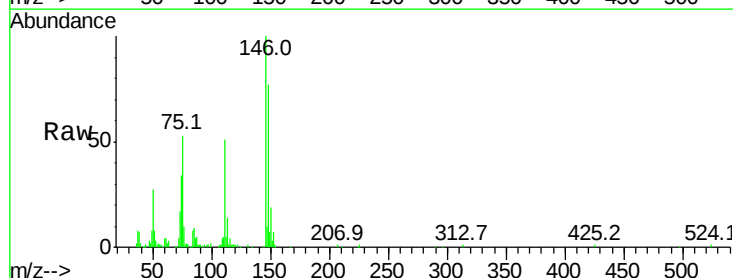
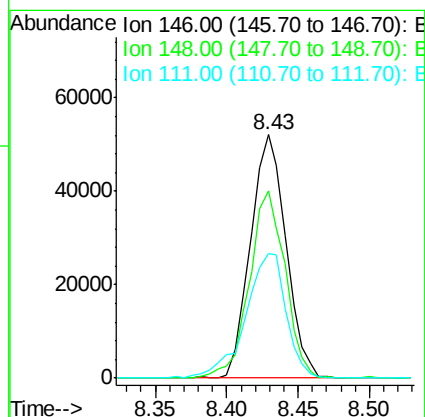
RT: 8.43 min Scan# 875

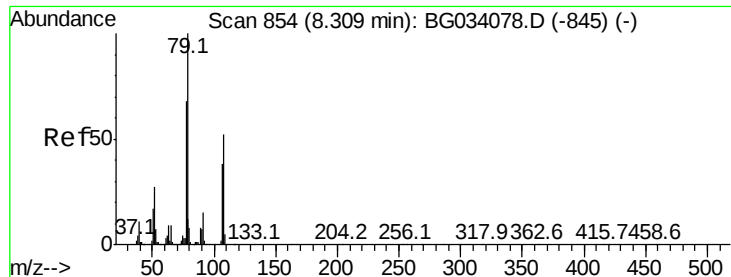
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	146	Resp:	89829
Ion Ratio	Lower	Upper	
146	100		
148	77.0	49.3	73.9#
111	51.4	34.3	51.5





#15

Benzyl Alcohol

Concen: 18.545 ng

RT: 8.31 min Scan# 854

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

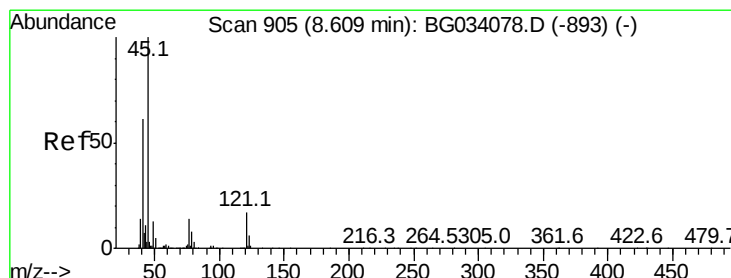
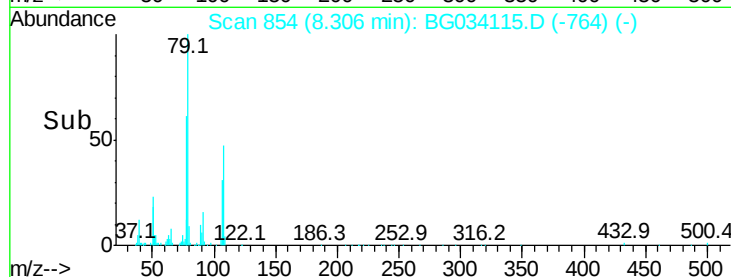
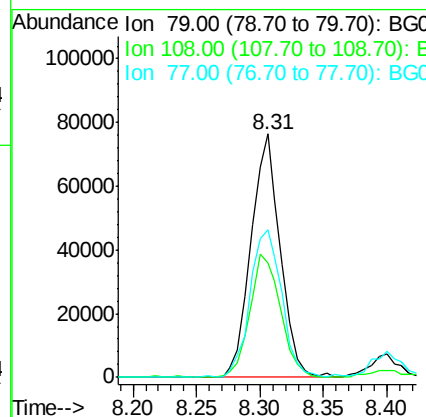
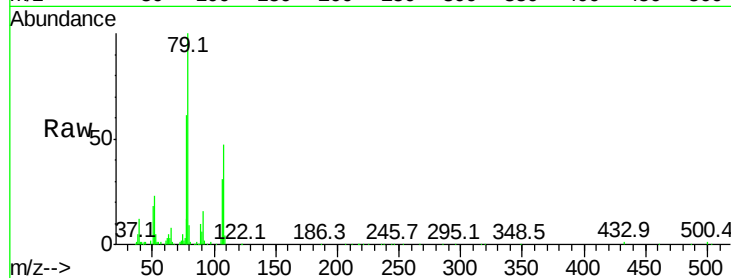
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	79	Resp:	122384
Ion Ratio	Lower	Upper	
79	100		
108	47.1	57.2	85.8#
77	60.8	46.1	69.1

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.544 ng

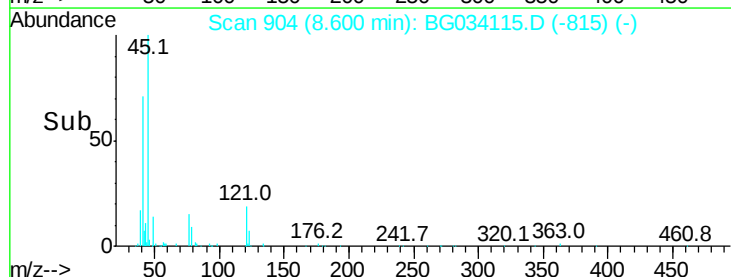
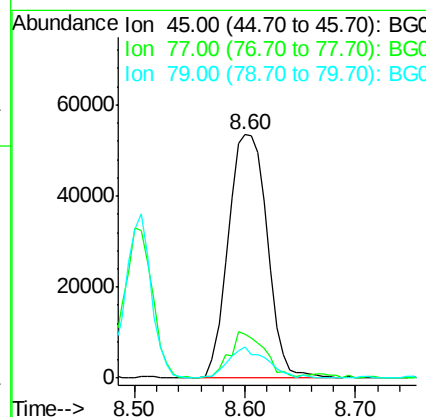
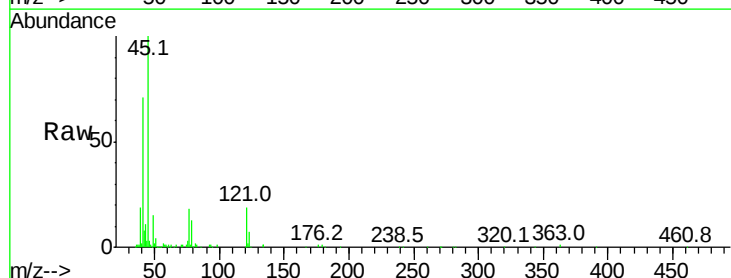
RT: 8.60 min Scan# 904

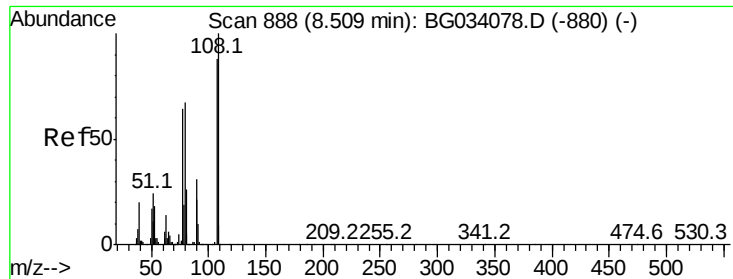
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	45	Resp:	132095
Ion Ratio	Lower	Upper	
45	100		
77	18.1	0.0	30.2
79	12.9	0.0	27.9





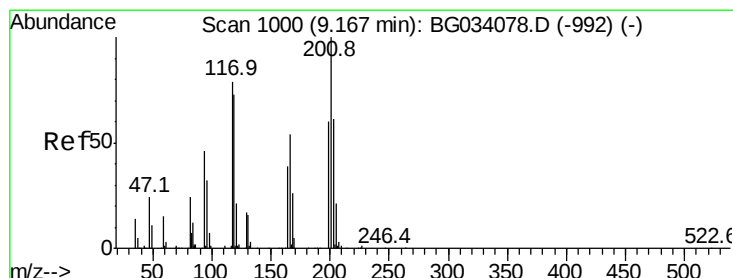
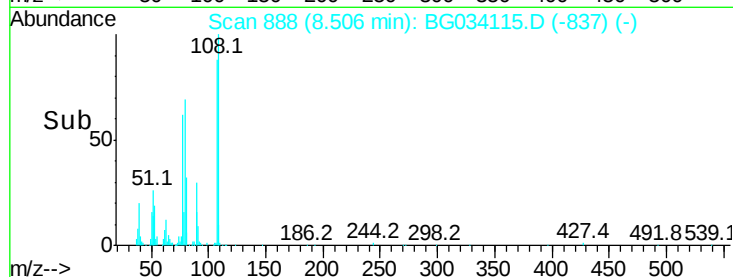
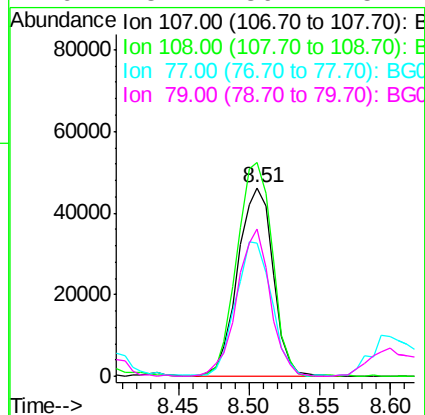
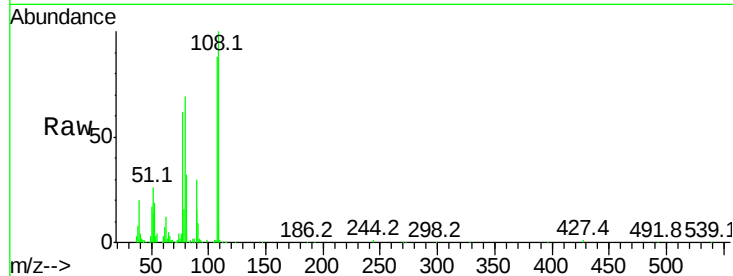
#17
2-Methylphenol
Concen: 19.711 ng
RT: 8.51 min Scan# 888
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.3	83.9	125.9
77	70.4	37.2	55.8
79	78.1	36.2	54.2

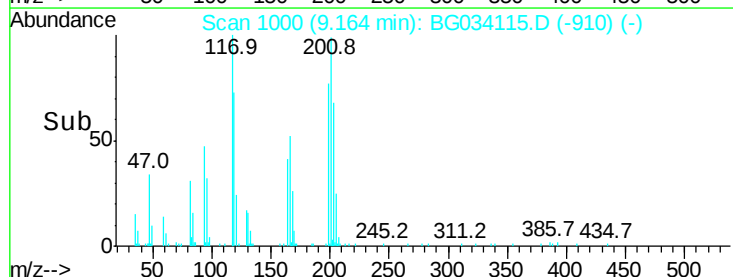
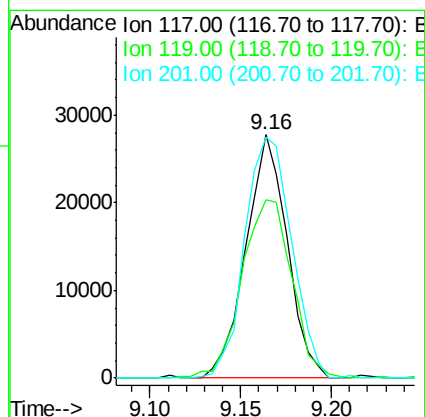
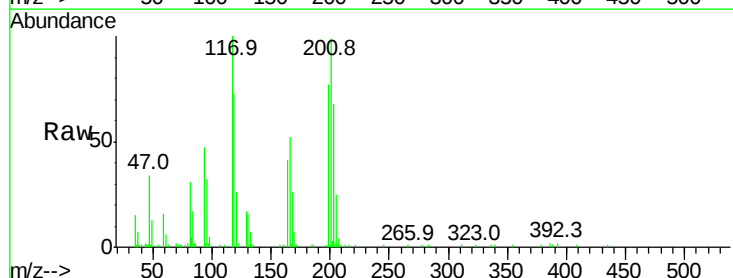
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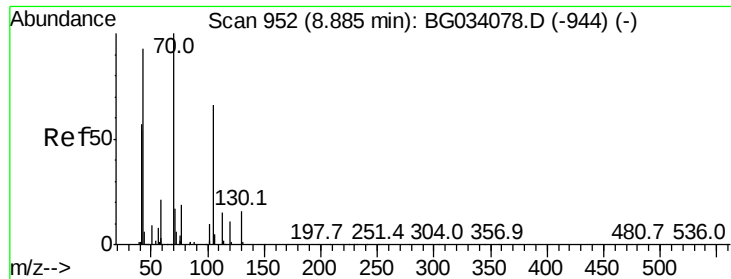
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#18
Hexachloroethane
Concen: 20.687 ng
RT: 9.16 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	73.3	76.7	115.1
201	101.8	95.7	143.5





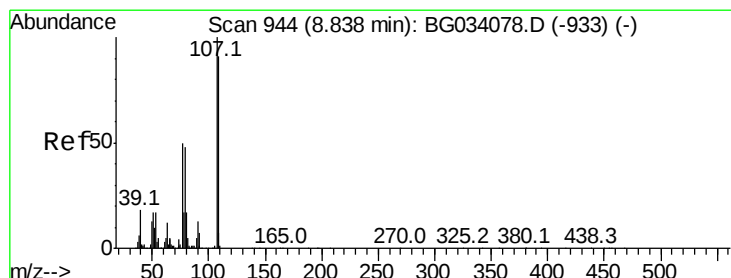
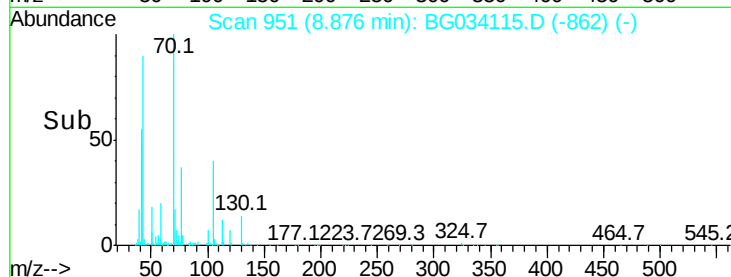
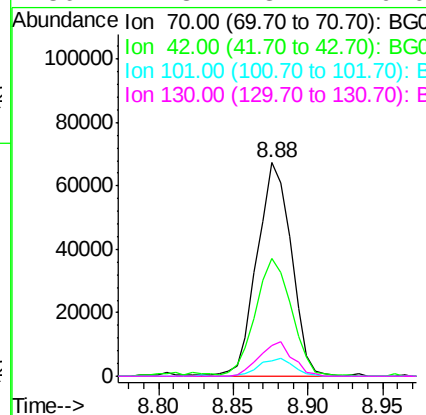
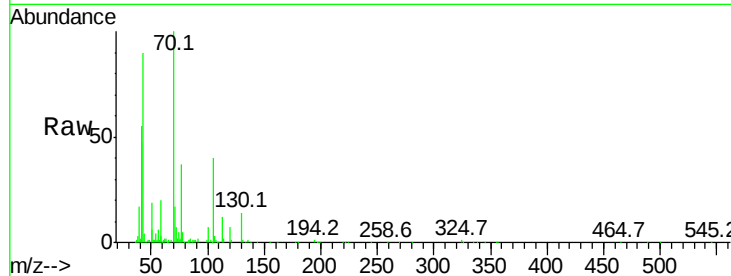
#19
n-Nitroso-di-n-propylamine
Concen: 19.217 ng
RT: 8.88 min Scan# 951
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.2	49.1	73.7
101	7.2	8.5	12.7
130	14.3	13.4	20.0

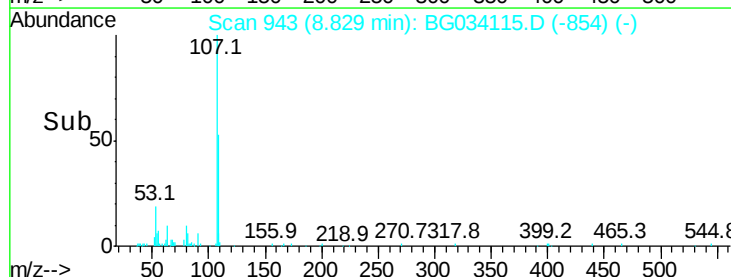
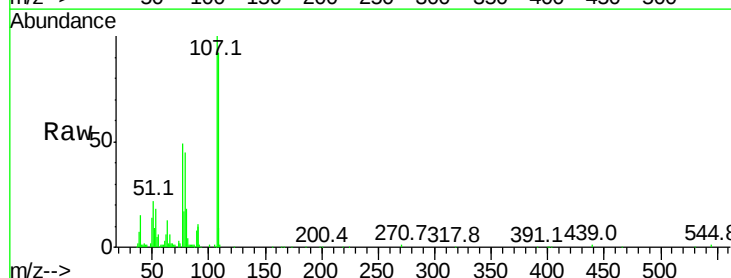
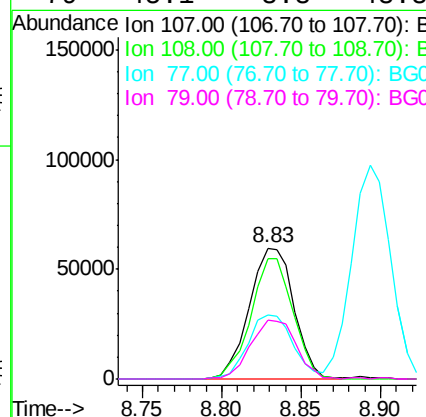
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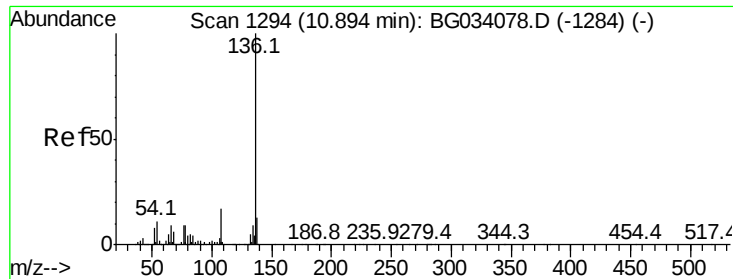
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#20
3+4-Methylphenols
Concen: 19.178 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.4	61.6	101.6
77	49.5	13.9	53.9
79	45.1	8.8	48.8





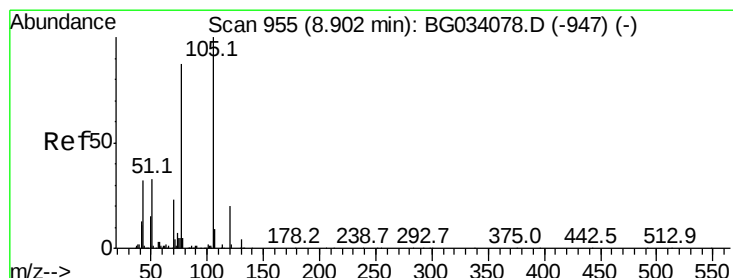
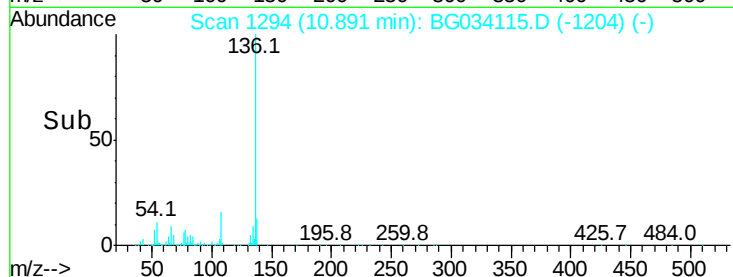
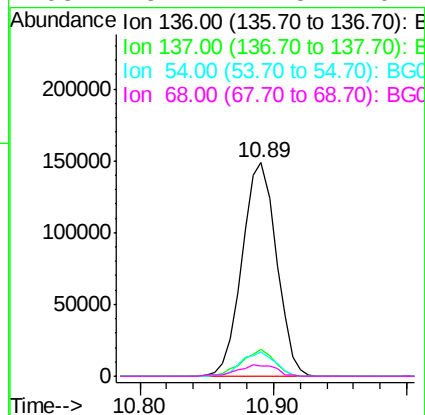
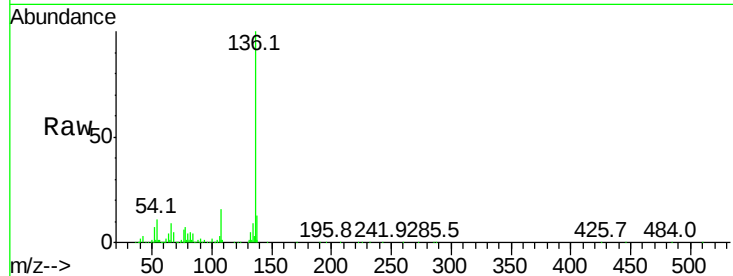
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100	263789		
137	12.8		9.2	13.8
54	11.3		10.3	15.5
68	5.1		4.5	6.7

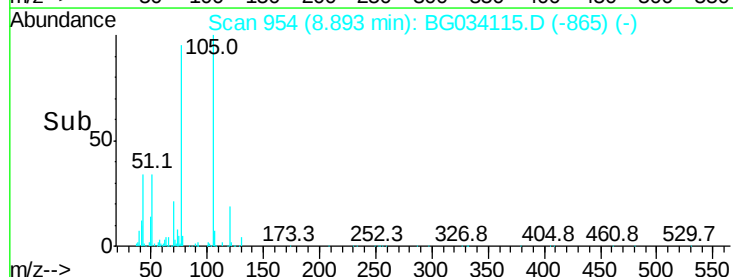
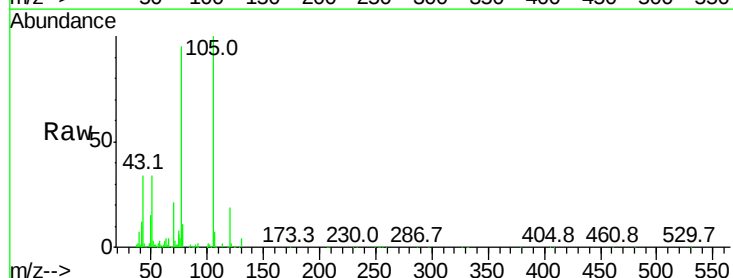
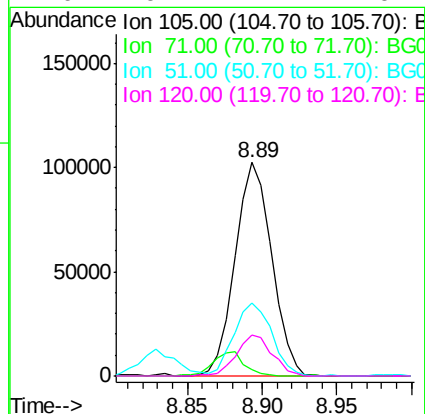
Manual Integrations
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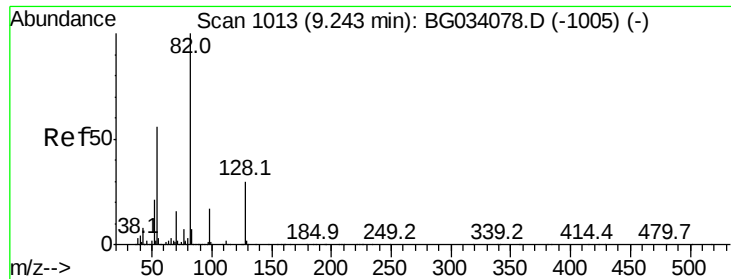
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#22
Acetophenone
Concen: 19.536 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175543		
71	3.3		3.0	4.4
51	34.3		26.1	39.1
120	19.1		17.4	26.2





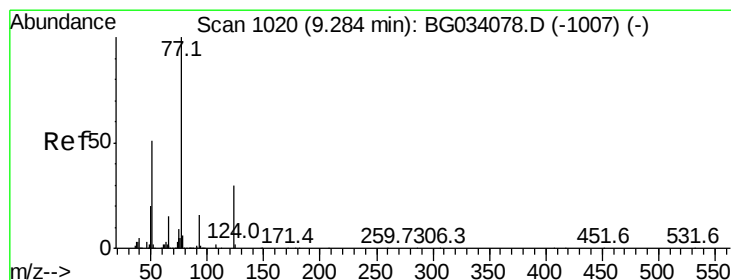
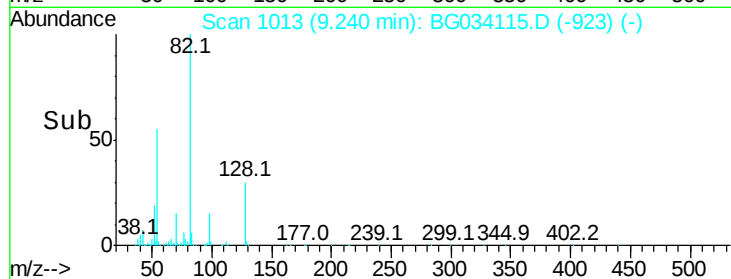
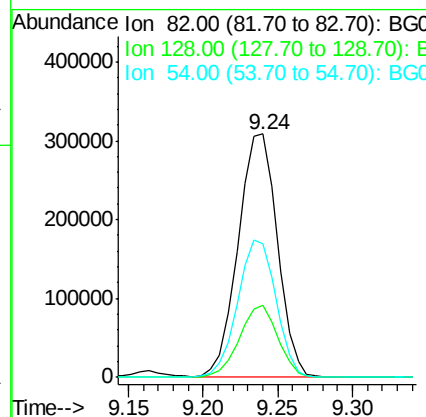
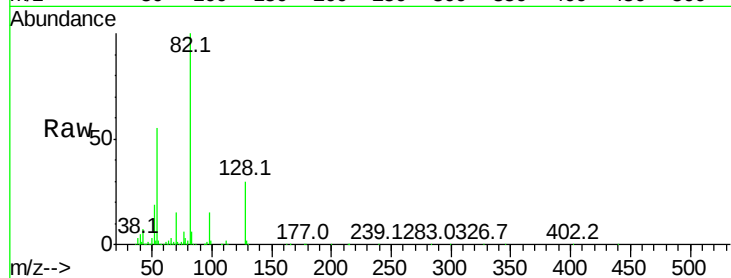
#23
 Nitrobenzene-d5
 Concen: 82.151 ng
 RT: 9.24 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	29.6	29.7	44.5#
54	55.0	43.1	64.7

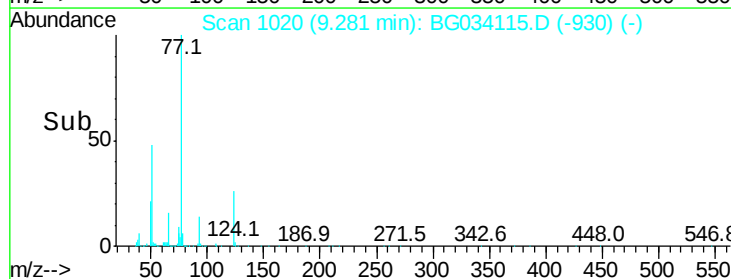
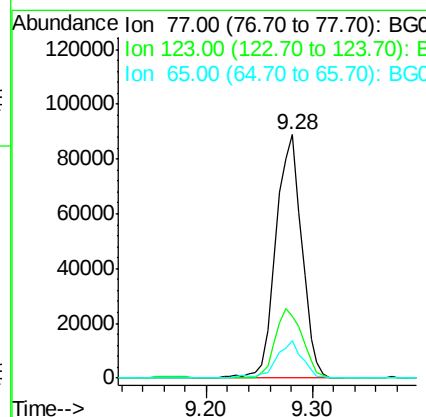
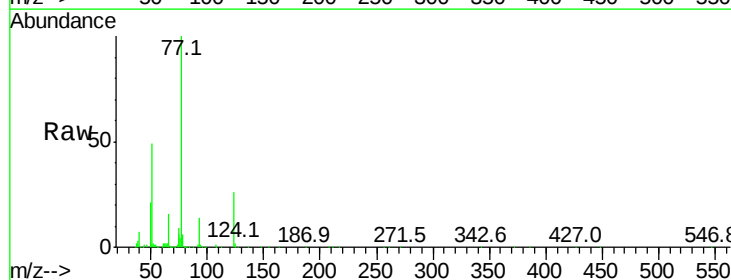
Manual Integrations
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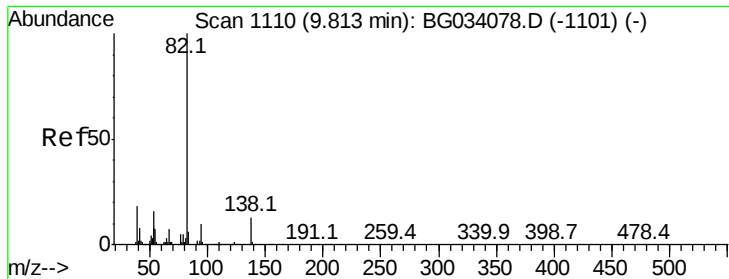
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#24
 Nitrobenzene
 Concen: 19.996 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
77	100		
123	25.7	33.0	49.6#
65	15.6	13.0	19.6





#25

Isophorone

Concen: 18.619 ng

RT: 9.80 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

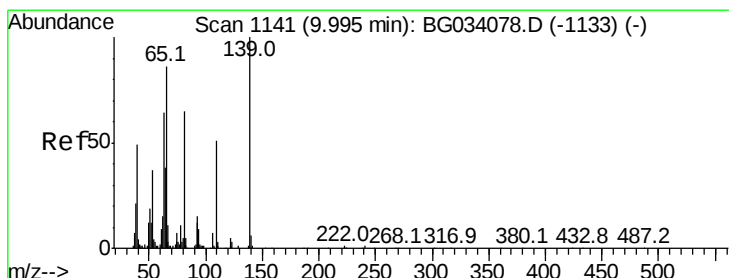
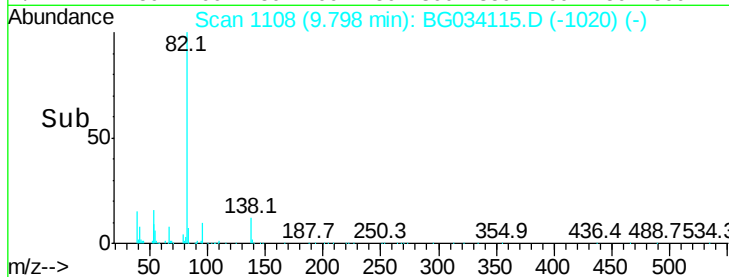
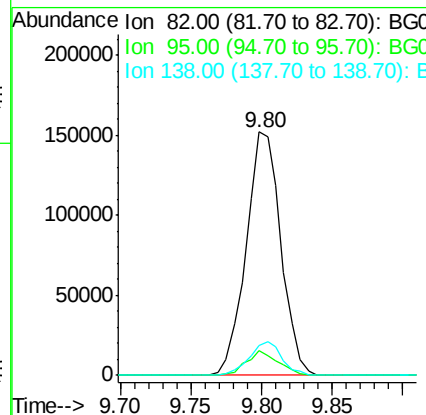
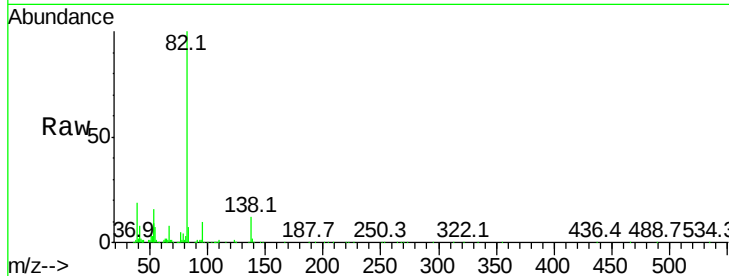
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	82	Resp:	261142
Ion Ratio	Lower	Upper	
82	100		
95	10.4	6.2	9.2#
138	12.4	12.1	18.1

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#26

2-Nitrophenol

Concen: 20.847 ng

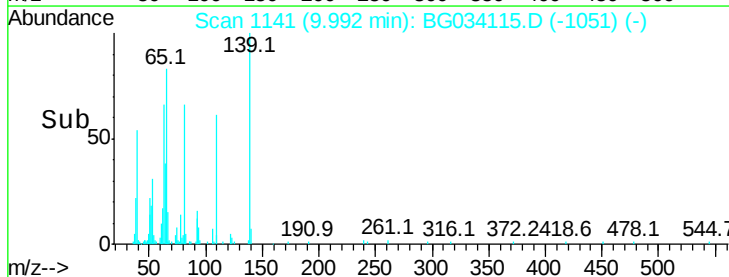
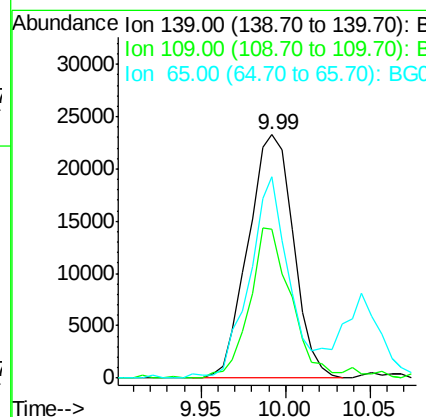
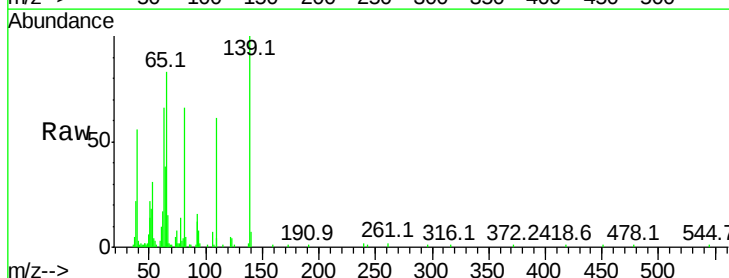
RT: 9.99 min Scan# 1141

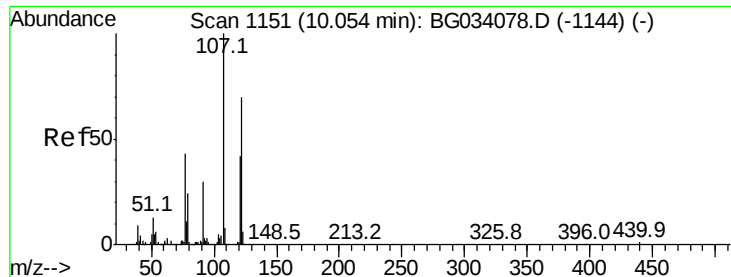
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	139	Resp:	43431
Ion Ratio	Lower	Upper	
139	100		
109	61.2	24.2	36.2#
65	82.6	47.4	71.0#





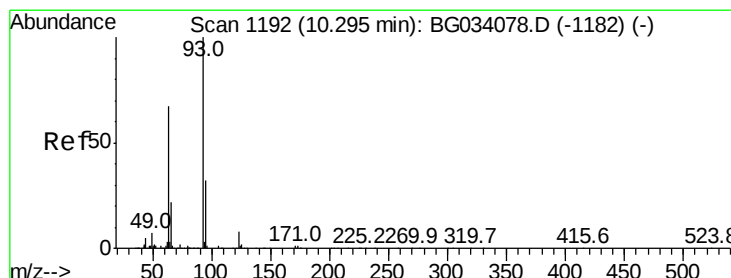
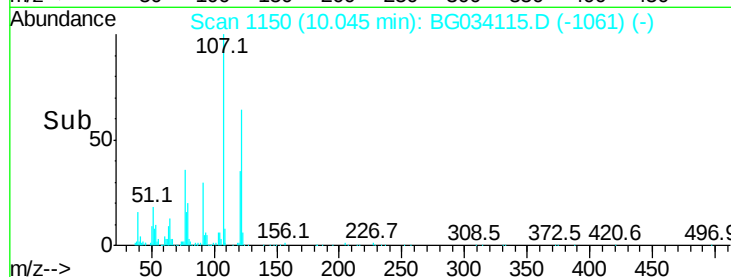
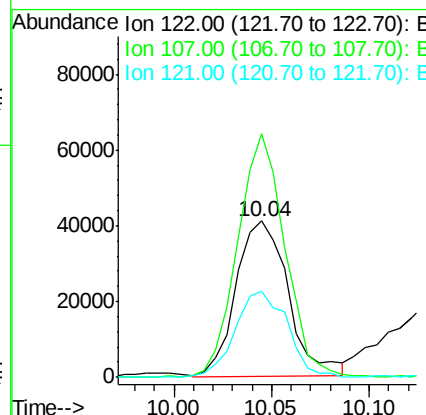
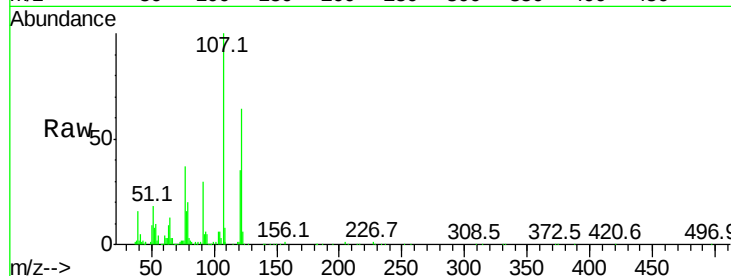
#27
2,4-Dimethylphenol
Concen: 18.897 ng
RT: 10.04 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
122	100		
107	156.1	100.2	150.2#
121	55.0	44.4	66.6

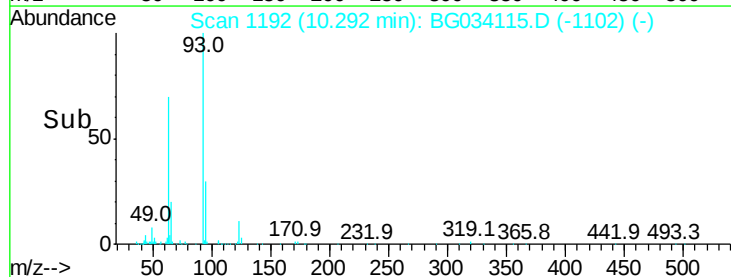
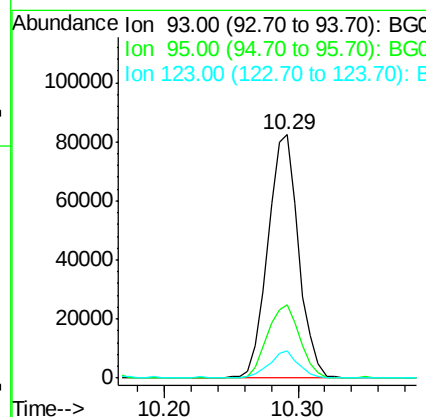
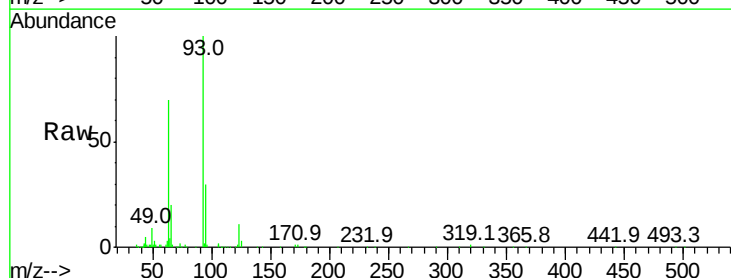
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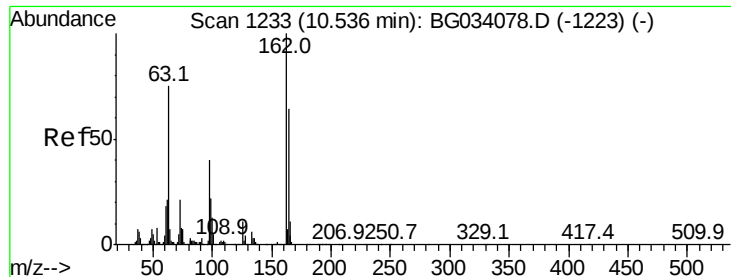
Sohil
5/2/2018 4:51:08 PM



#28
bis(2-Chloroethoxy)methane
Concen: 19.070 ng
RT: 10.29 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.1	24.3	36.5
123	11.2	8.4	12.6





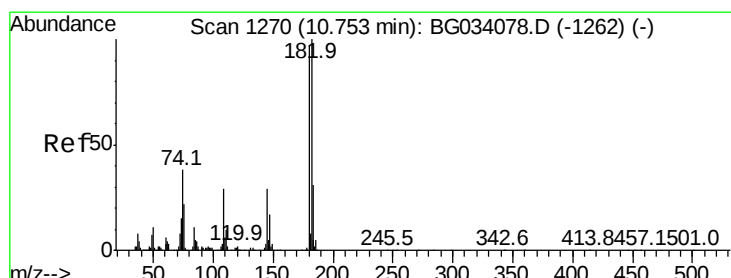
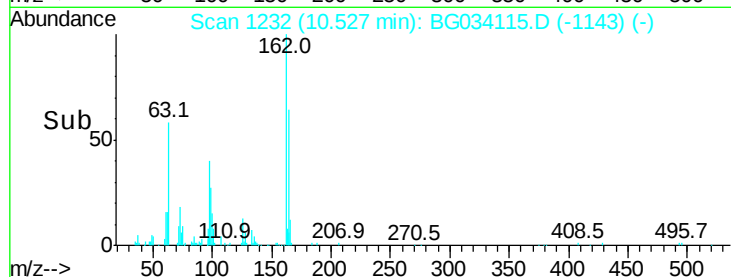
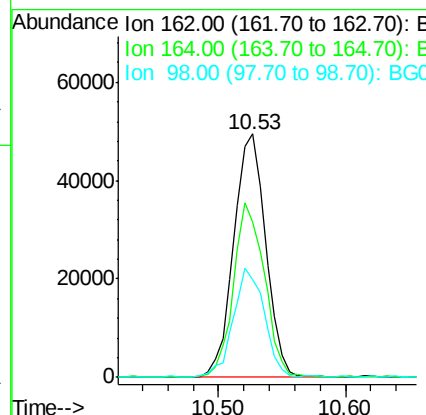
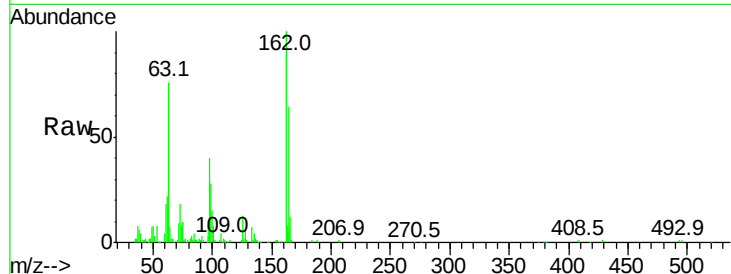
#29
 2,4-Dichlorophenol
 Concen: 17.899 ng
 RT: 10.53 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.6	48.0	88.0	
98	40.1	21.1	61.1	

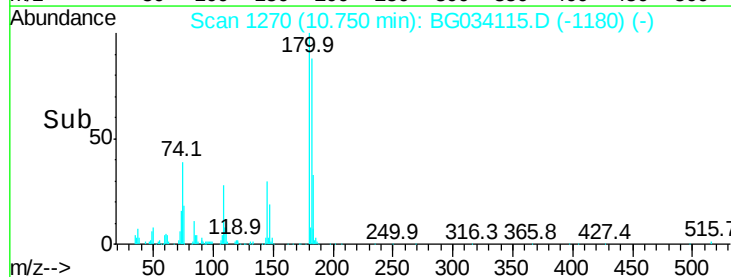
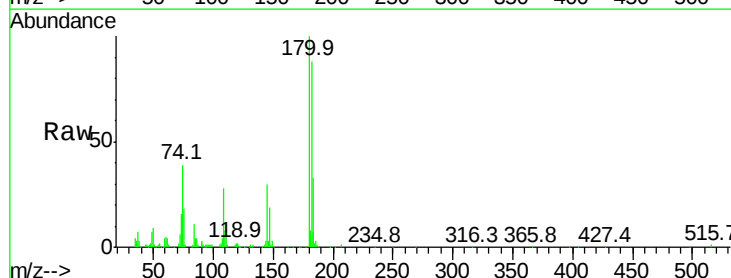
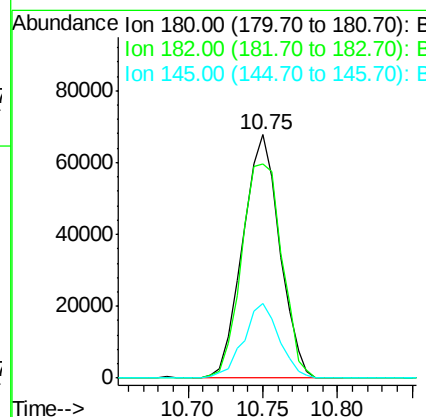
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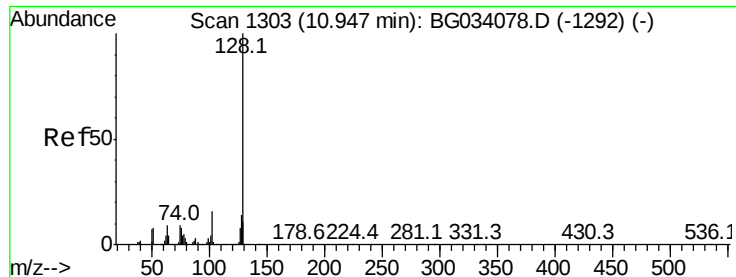
Sohil
 5/2/2018 4:51:08 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 20.012 ng
 RT: 10.75 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	87.9	77.5	116.3	
145	30.5	23.4	35.2	





#31

Naphthalene

Concen: 19.667 ng

RT: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

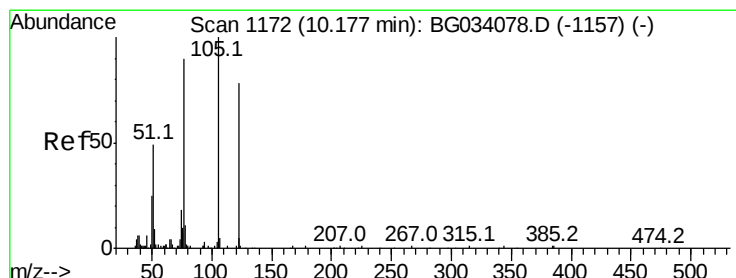
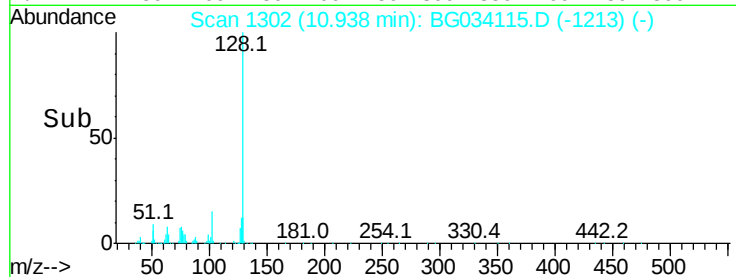
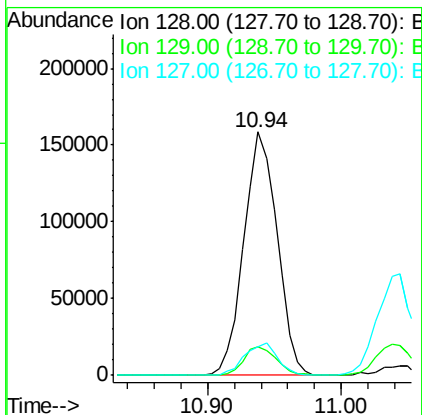
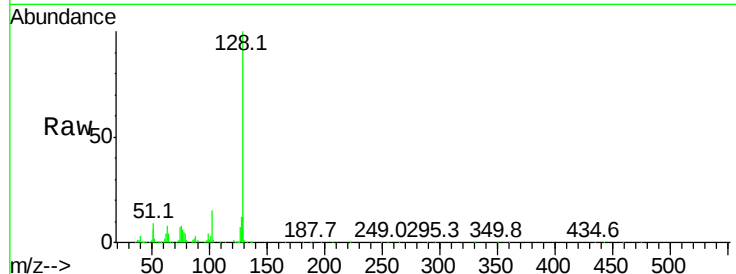
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	128	Resp:	272688
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	12.8
127	11.7	11.6	17.4

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#32

Benzoic acid

Concen: 18.637 ng

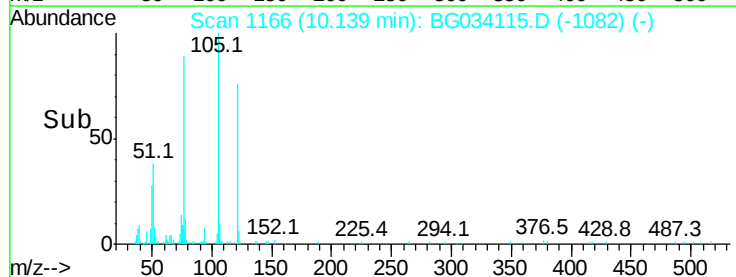
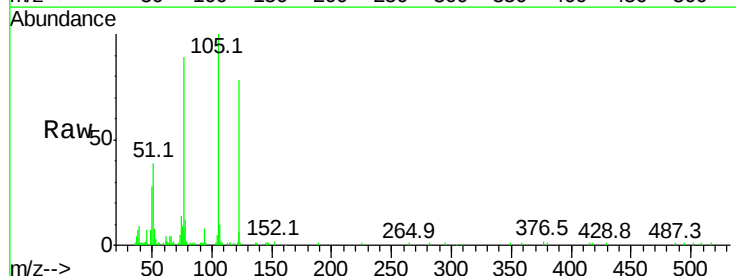
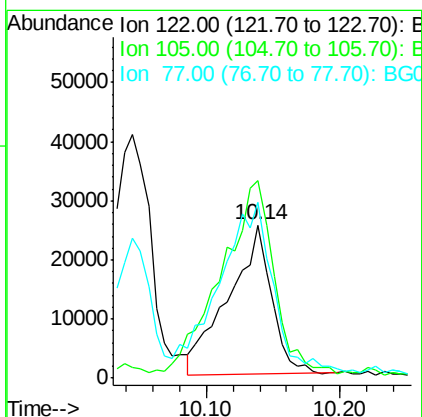
RT: 10.14 min Scan# 1166

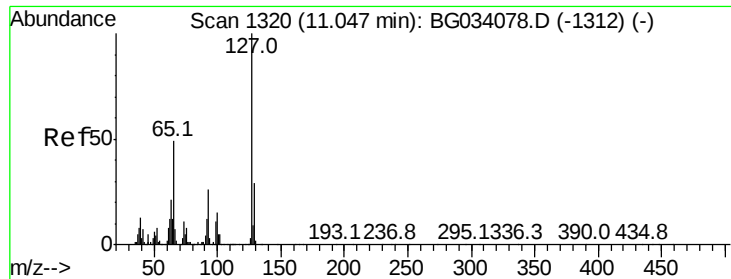
Delta R.T. -0.04 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	122	Resp:	55978
Ion Ratio	Lower	Upper	
122	100		
105	128.9	123.5	163.5
77	114.7	85.7	125.7





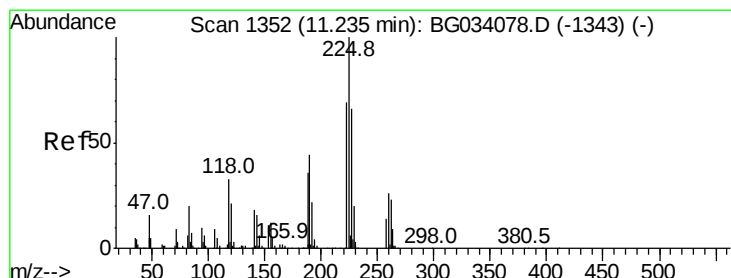
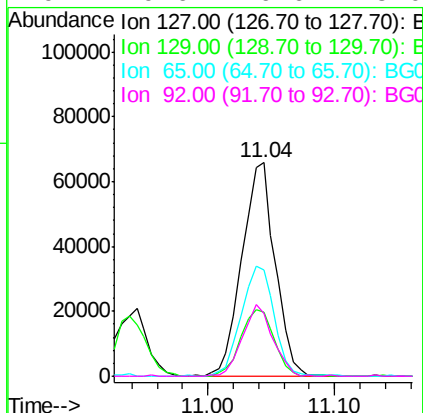
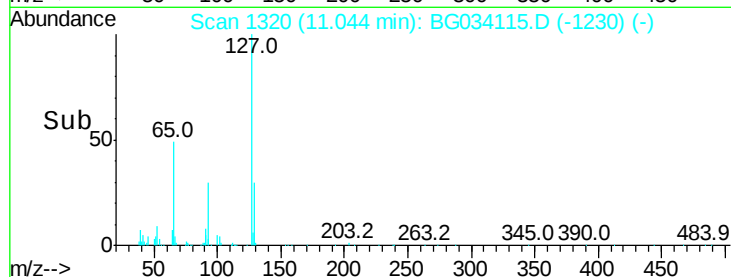
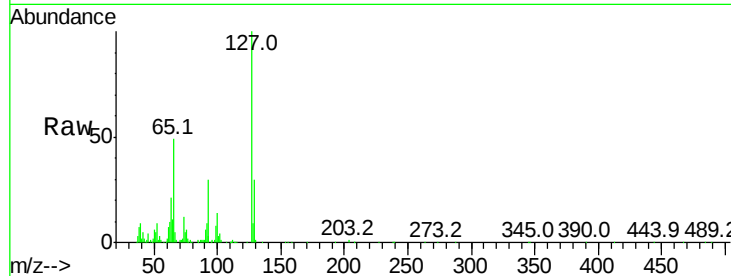
#33
4-Chloroaniline
Concen: 19.184 ng
RT: 11.04 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	29.9	24.0	36.0	
65	49.5	27.0	40.4	
92	29.6	16.6	25.0	

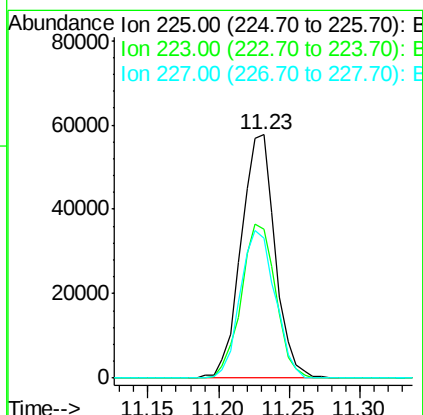
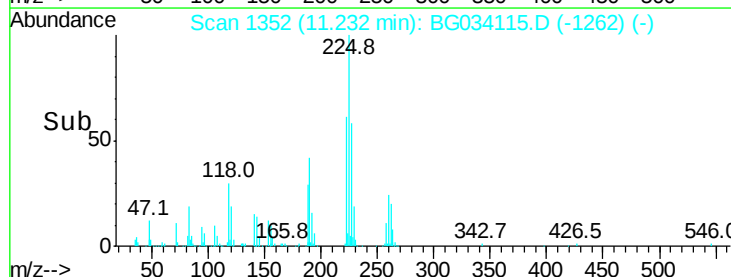
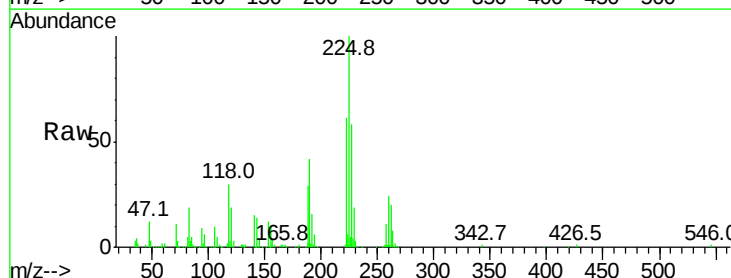
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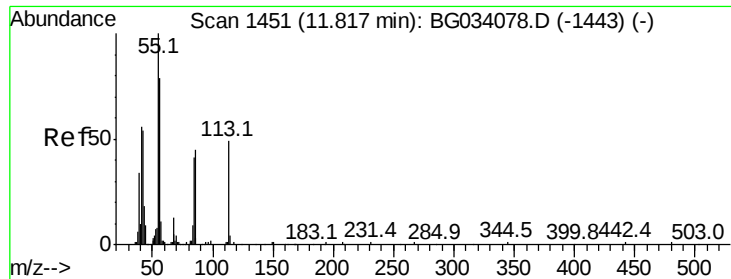
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#34
Hexachlorobutadiene
Concen: 19.739 ng
RT: 11.23 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	49.7	74.5	
227	61.9	48.1	72.1	





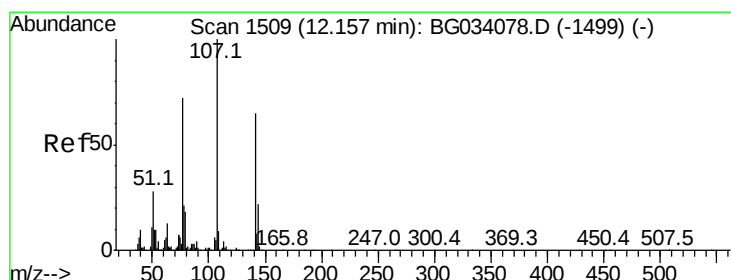
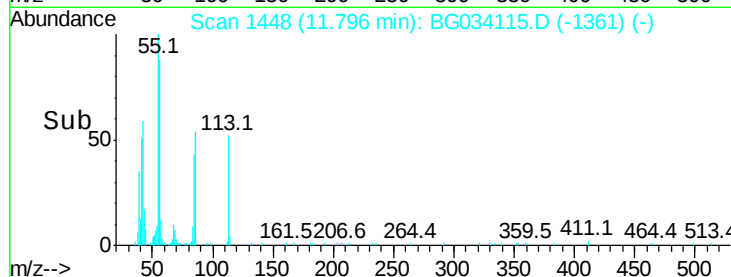
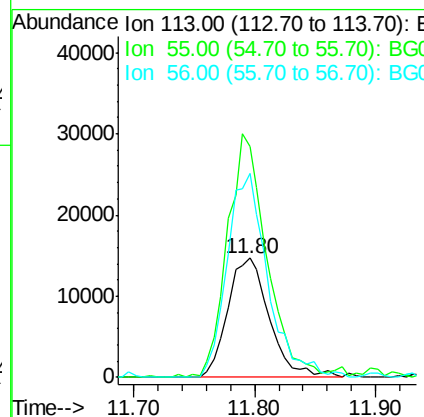
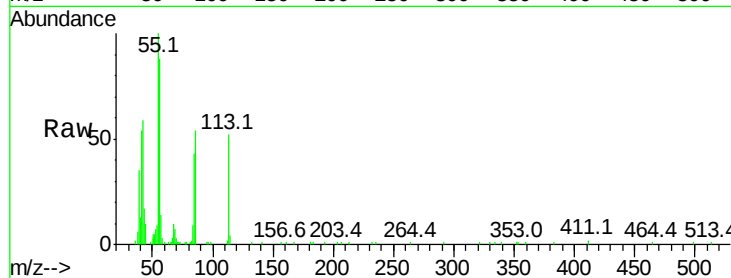
#35
 Caprolactam
 Concen: 20.488 ng
 RT: 11.80 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		35132		
55	193.3		186.9	226.9	
56	170.9		130.9	170.9	

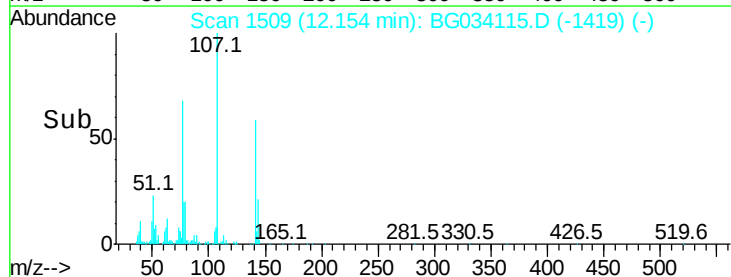
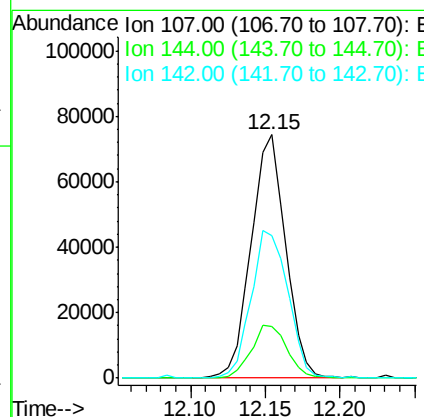
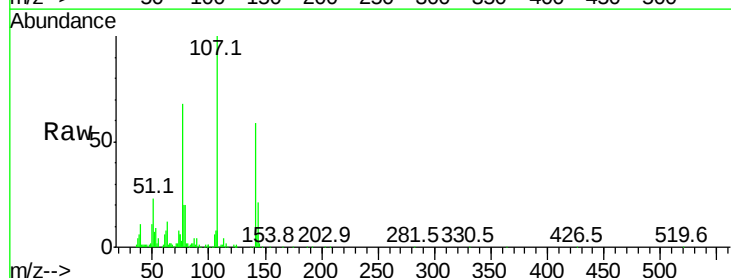
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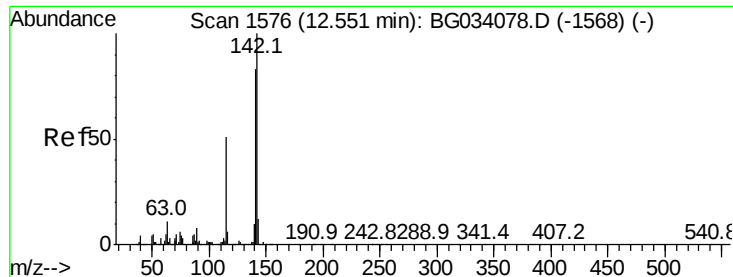
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 18.994 ng
 RT: 12.15 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		118897		
144	21.4		18.2	27.4	
142	58.6		59.0	88.4	





#37

2-Methylnaphthalene

Concen: 19.577 ng

RT: 12.54 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

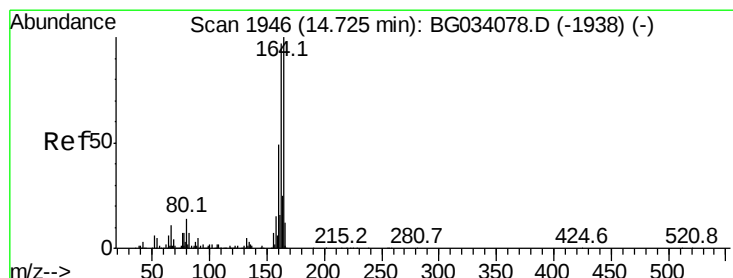
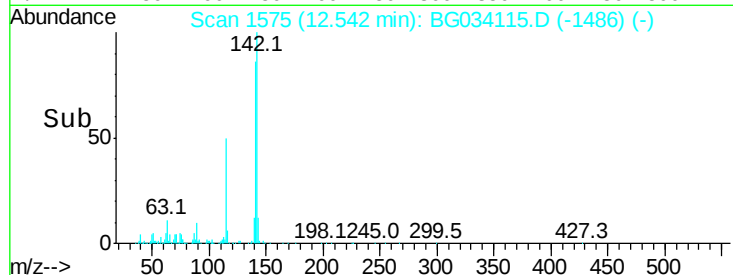
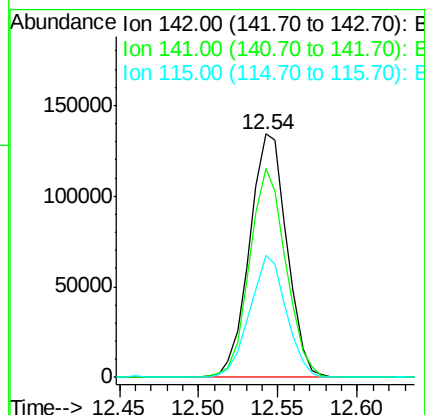
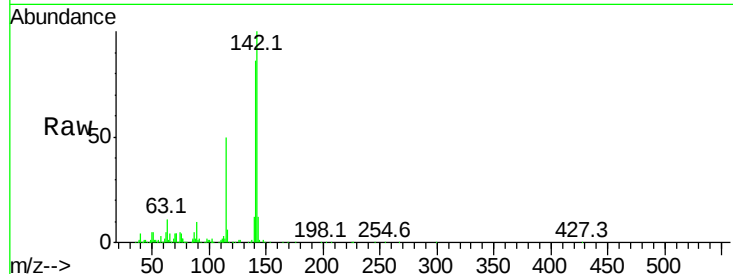
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	142	Resp:	220090
Ion Ratio	Lower	Upper	
142	100		
141	85.9	67.1	100.7
115	50.3	30.7	46.1#

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#38

Acenaphthene-d10

Concen: 20.000 ng

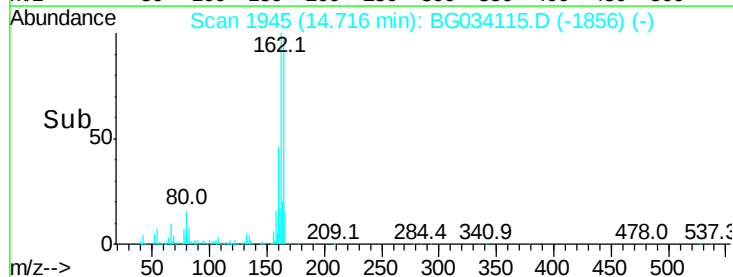
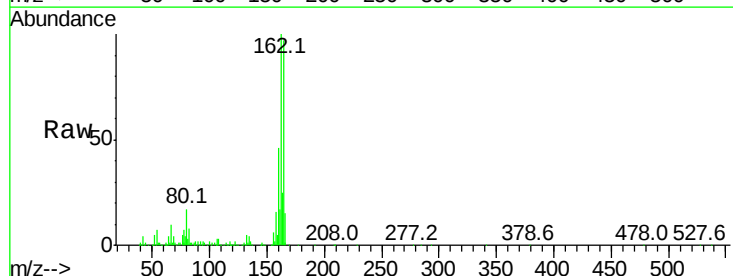
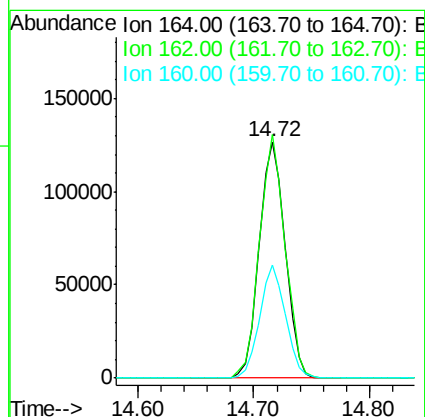
RT: 14.72 min Scan# 1945

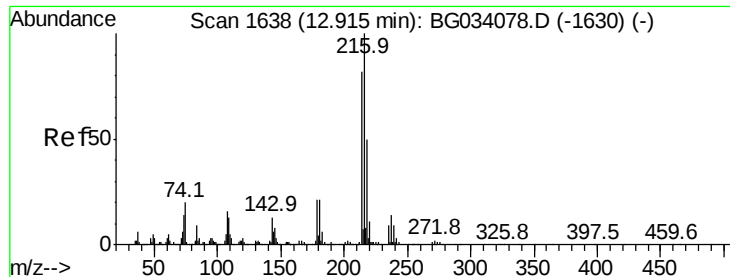
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	164	Resp:	199080
Ion Ratio	Lower	Upper	
164	100		
162	103.0	78.8	118.2
160	47.8	35.4	53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 20.552 ng

RT: 12.91 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

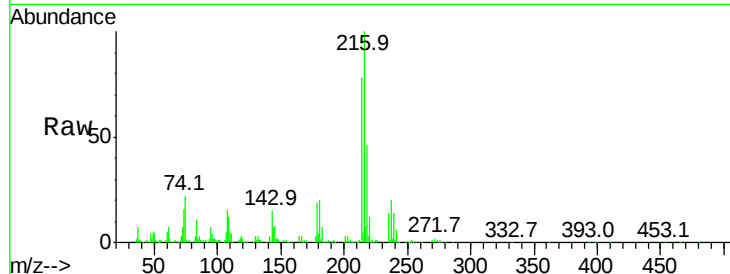
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
216	100	158324		
214	77.4	63.0	94.4	
179	20.5	17.0	25.6	
108	16.8	12.8	19.2	

Manual Integrations
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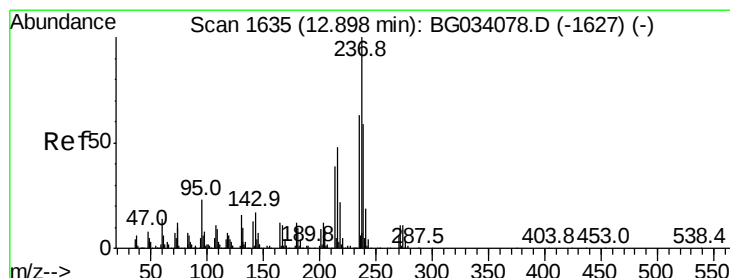
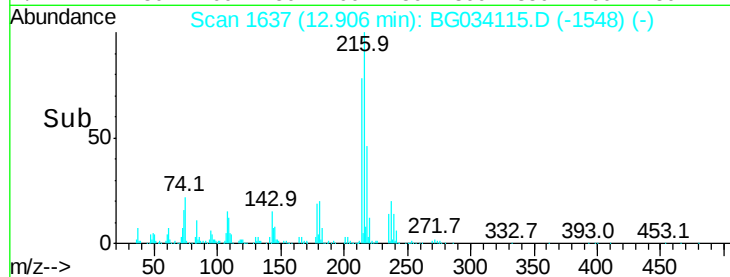
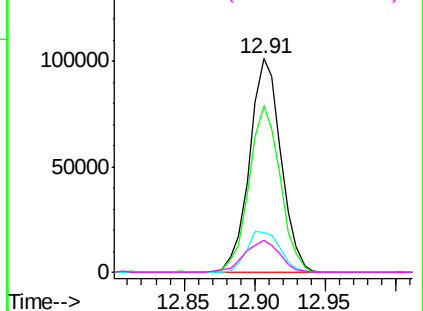
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 19.832 ng

RT: 12.89 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

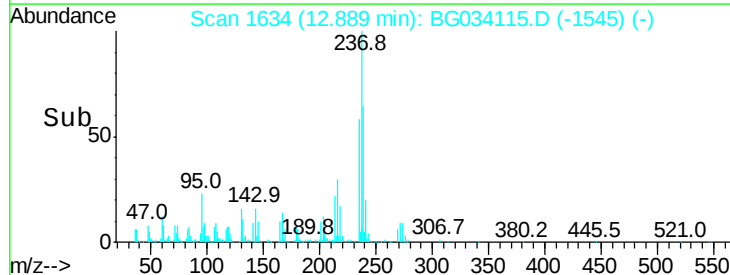
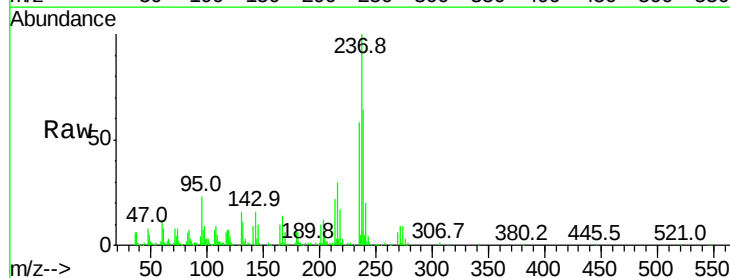
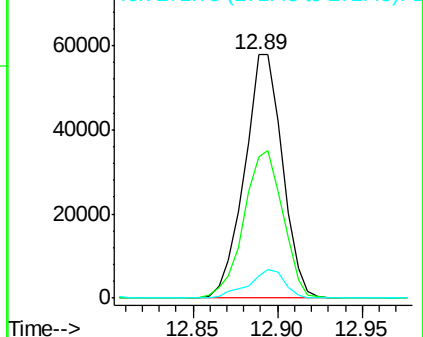
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	90524		
235	58.1	50.4	90.4	
272	9.2	0.0	31.8	

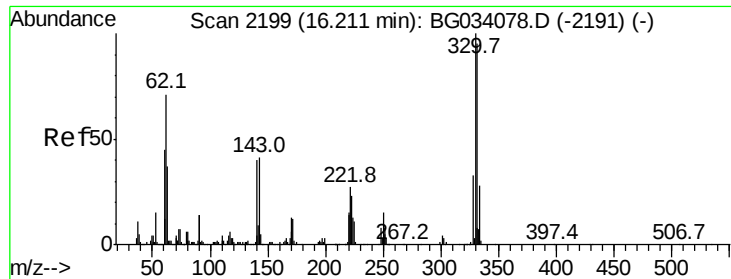
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





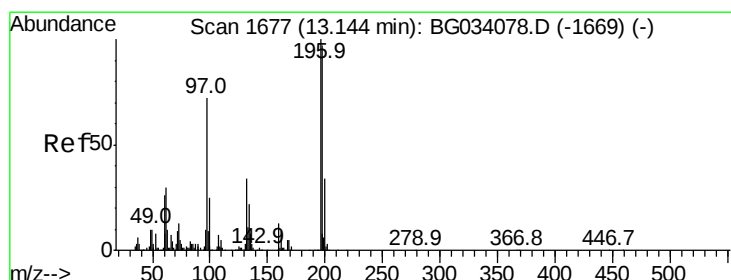
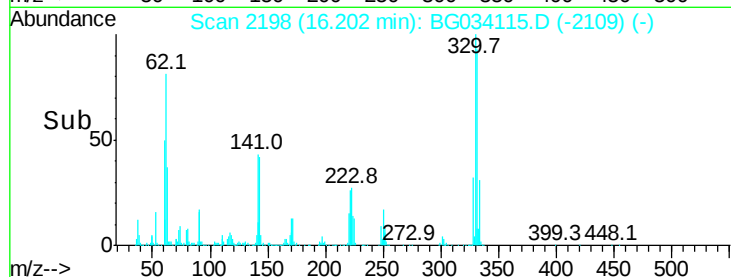
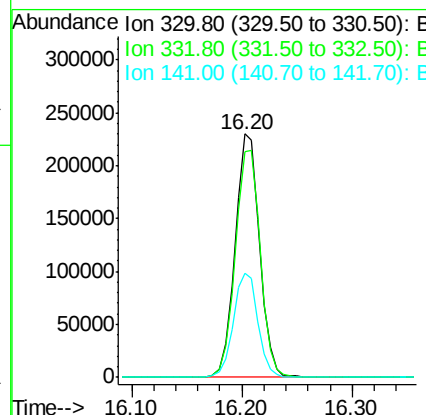
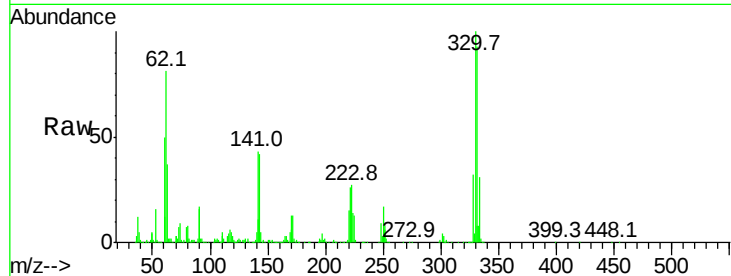
#41
 2,4,6-Tribromophenol
 Concen: 129.566 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.0	115.6	
141	42.9	25.2	37.8	

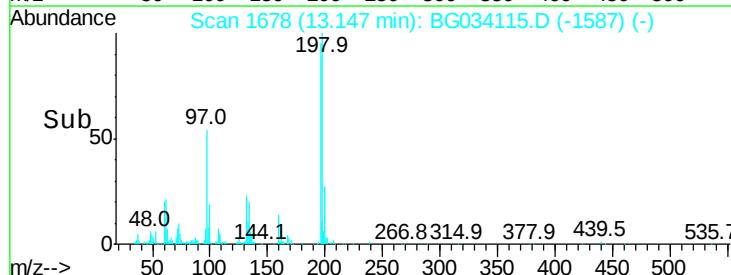
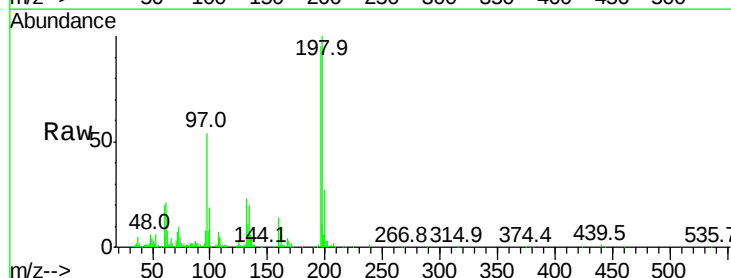
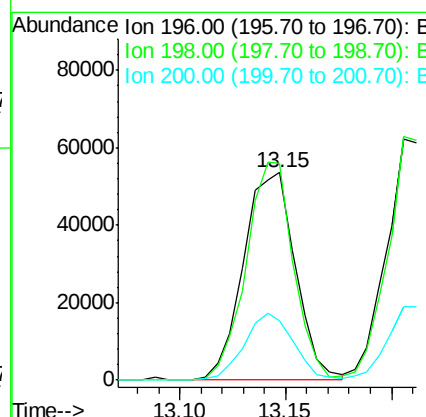
Manual Integrations
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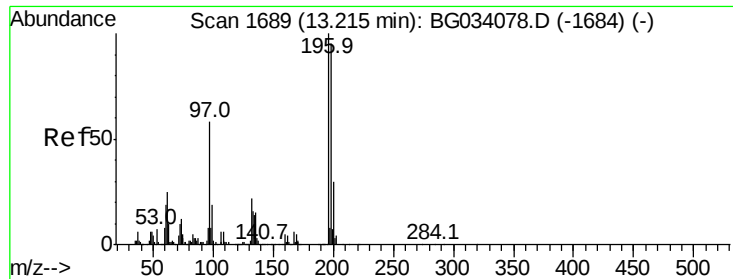
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 20.410 ng
 RT: 13.15 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	104.7	78.2	117.2	
200	28.6	24.6	36.8	





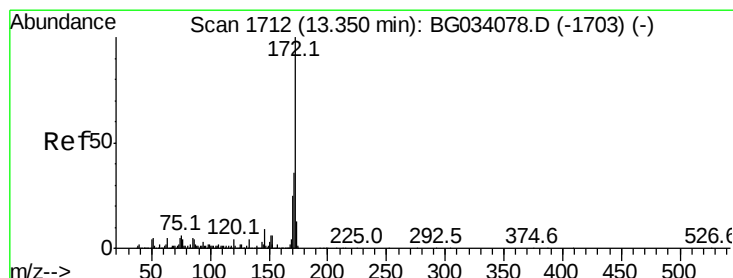
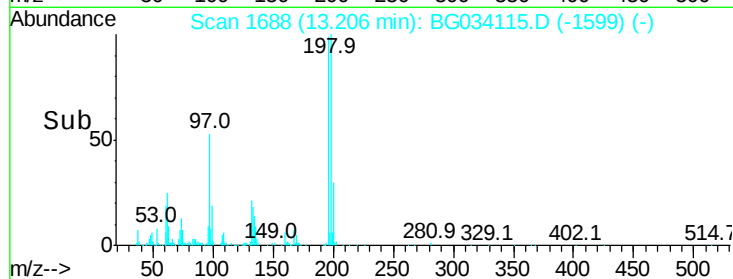
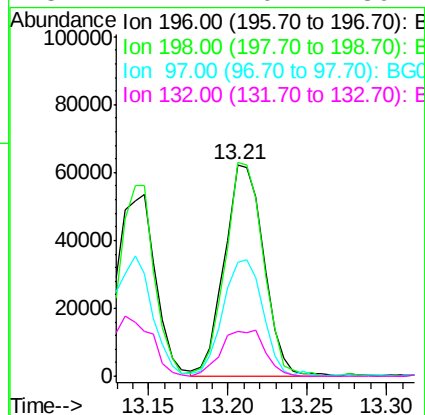
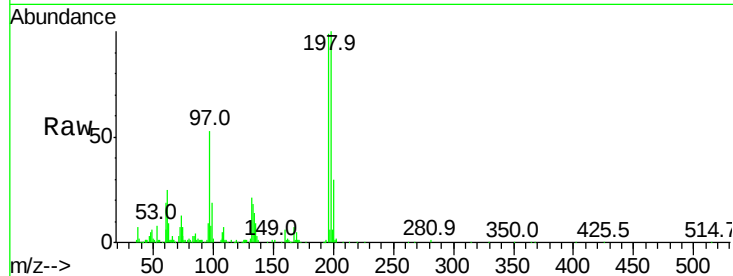
#43
 2,4,5-Trichlorophenol
 Concen: 21.768 ng
 RT: 13.21 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion:	196	Resp:	107710
Ion Ratio	Lower	Upper	
196	100		
198	101.0	76.2	114.4
97	53.6	38.7	58.1
132	21.2	20.2	30.2

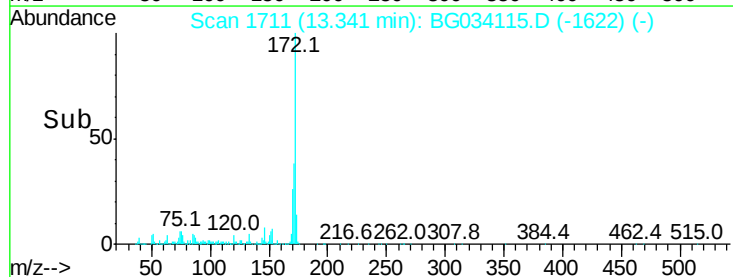
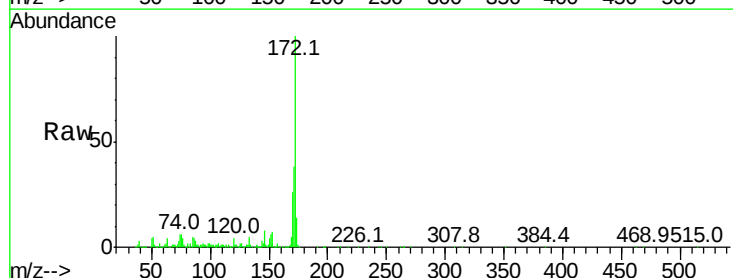
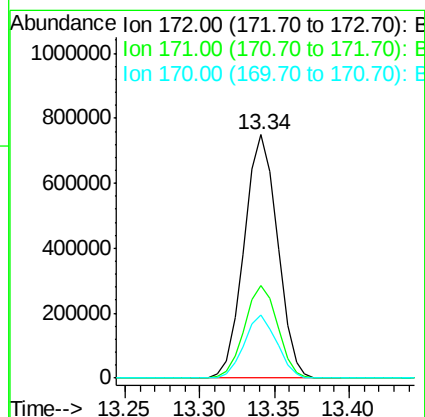
Manual Integrations
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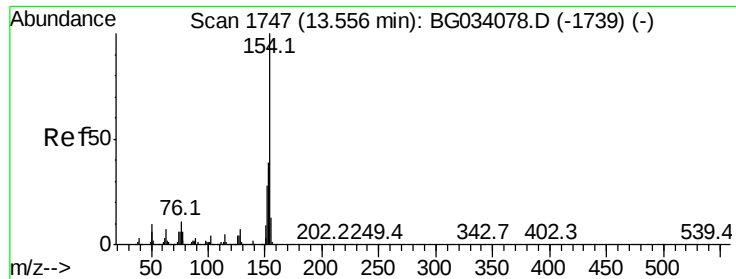
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 84.702 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion:	172	Resp:	1157213
Ion Ratio	Lower	Upper	
172	100		
171	37.8	30.0	45.0
170	26.1	19.5	29.3





#45

1,1'-Biphenyl

Concen: 20.683 ng

RT: 13.55 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

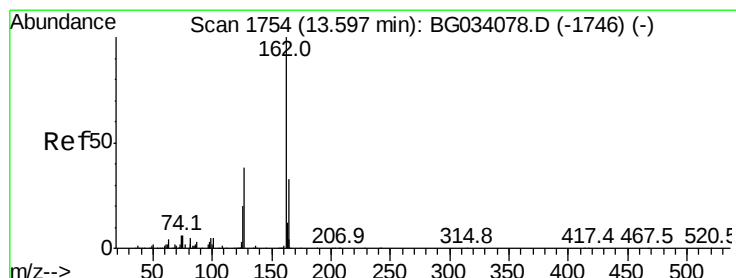
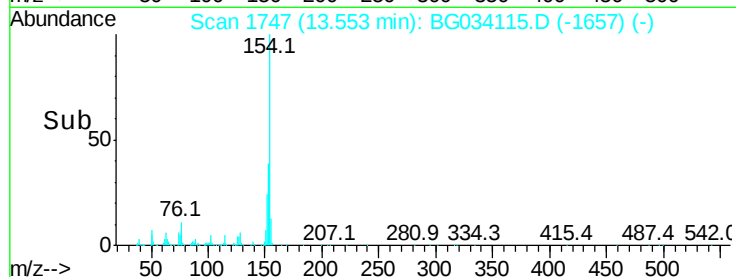
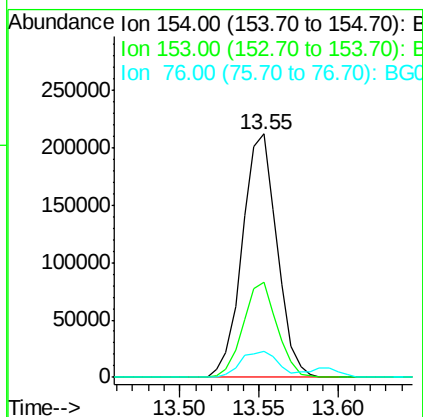
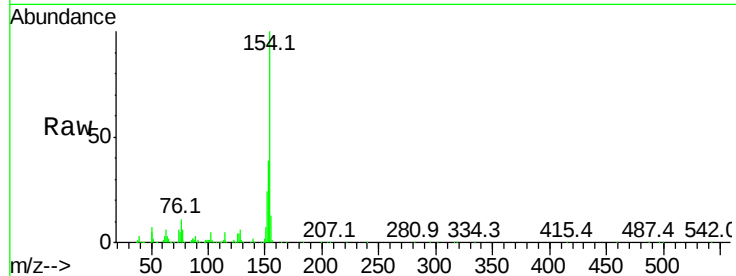
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	154	Resp:	321670
Ion Ratio	Lower	Upper	
154	100		
153	39.2	19.8	59.8
76	10.5	0.0	31.9

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#46

2-Chloronaphthalene

Concen: 20.373 ng

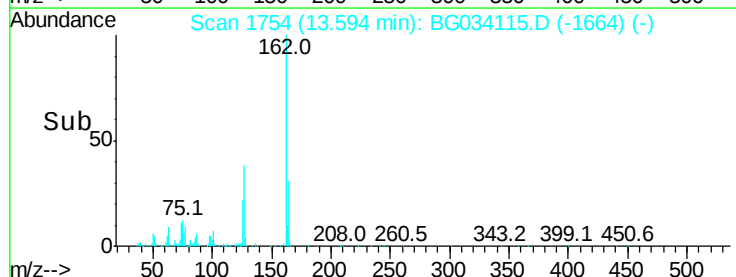
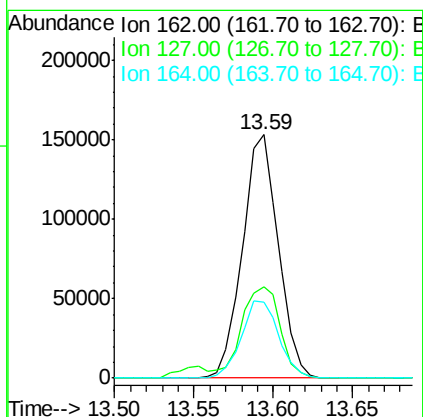
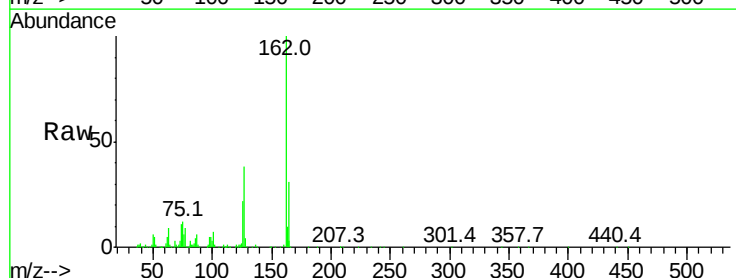
RT: 13.59 min Scan# 1754

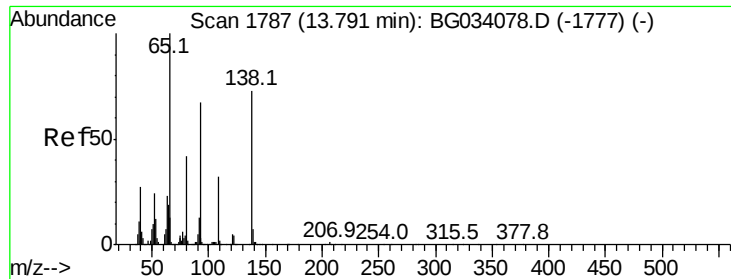
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	162	Resp:	239879
Ion Ratio	Lower	Upper	
162	100		
127	37.7	30.7	46.1
164	31.3	26.0	39.0





#47

2-Nitroaniline

Concen: 20.162 ng

RT: 13.79 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

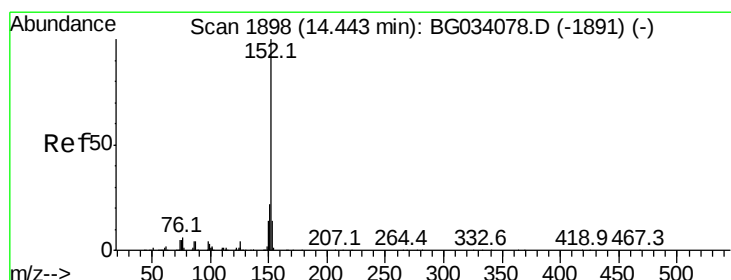
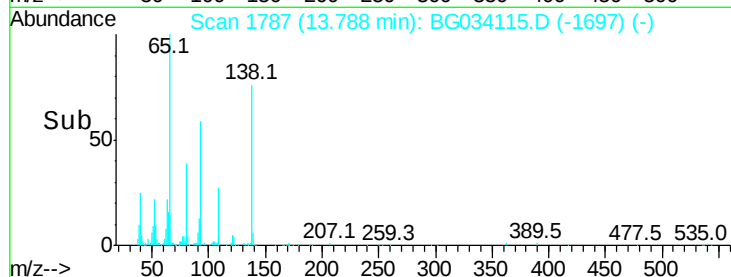
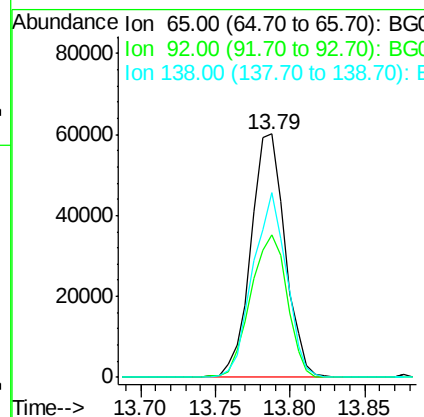
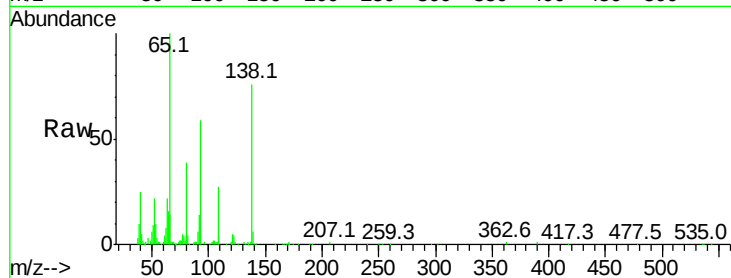
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	65	Resp:	94909
Ion Ratio	Lower	Upper	
65	100		
92	58.6	54.6	82.0
138	75.9	72.9	109.3

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#48

Acenaphthylene

Concen: 20.515 ng

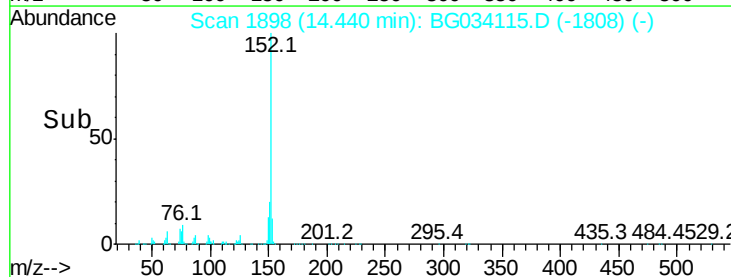
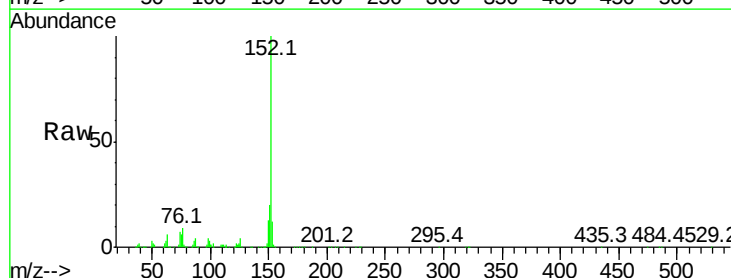
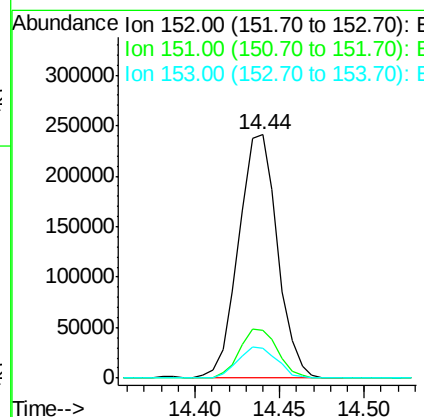
RT: 14.44 min Scan# 1898

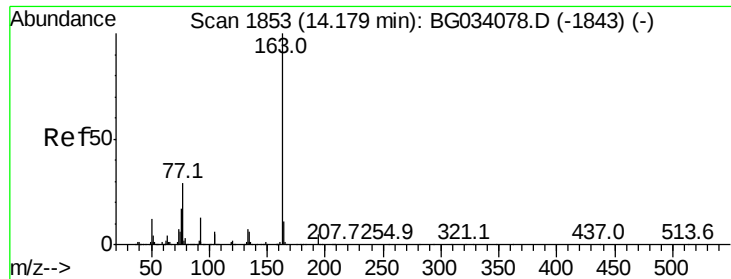
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	152	Resp:	385652
Ion Ratio	Lower	Upper	
152	100		
151	19.7	17.2	25.8
153	12.0	10.2	15.4





#49

Dimethylphthalate

Concen: 19.937 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

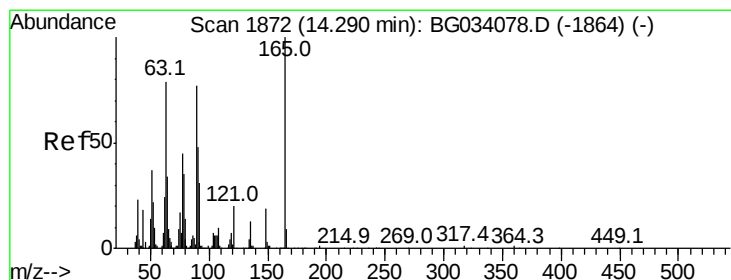
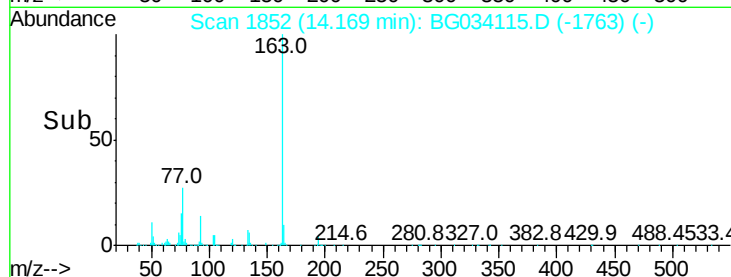
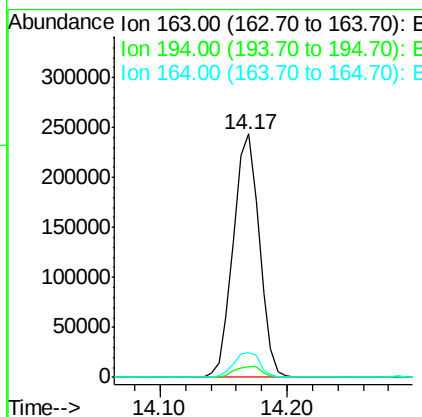
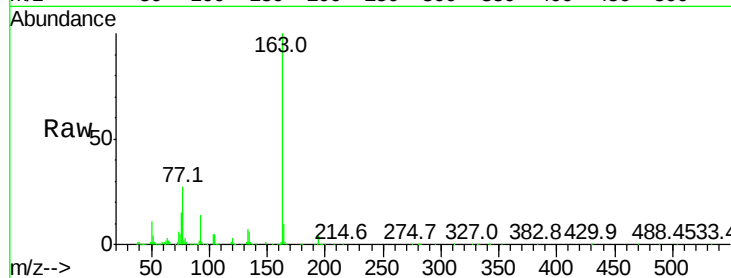
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	163	Resp:	344168
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.4

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#50

2,6-Dinitrotoluene

Concen: 21.770 ng

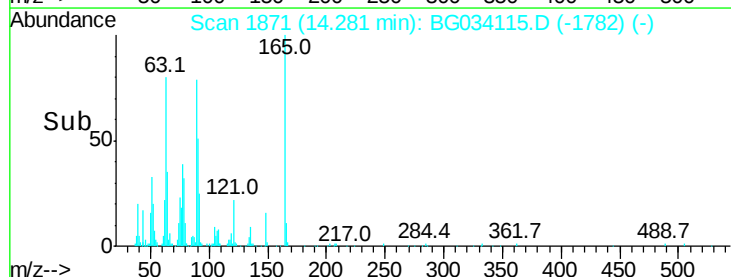
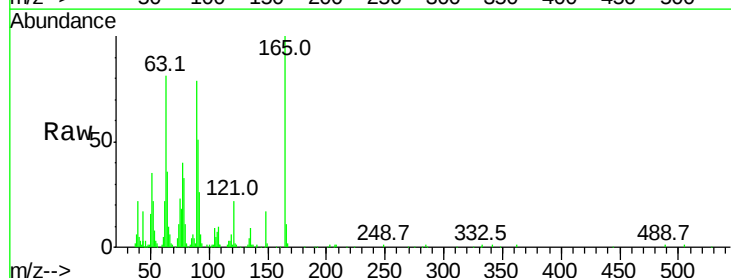
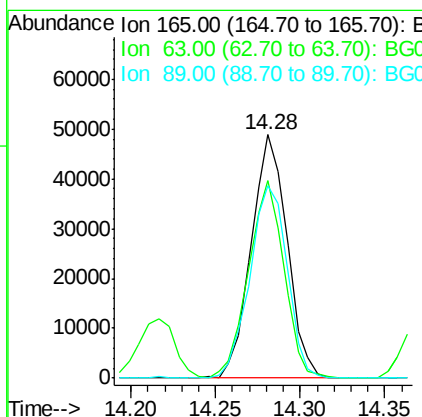
RT: 14.28 min Scan# 1871

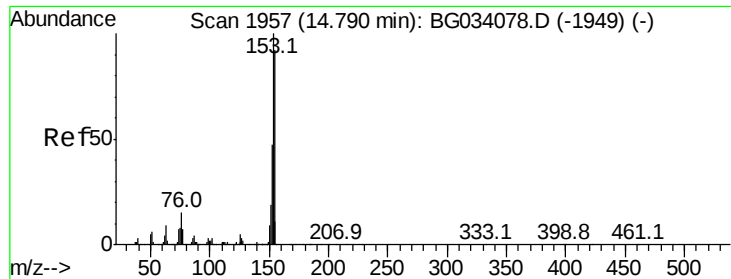
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	165	Resp:	72178
Ion Ratio	Lower	Upper	
165	100		
63	81.2	52.7	79.1#
89	79.2	49.2	73.8#





#51

Acenaphthene

Concen: 20.028 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

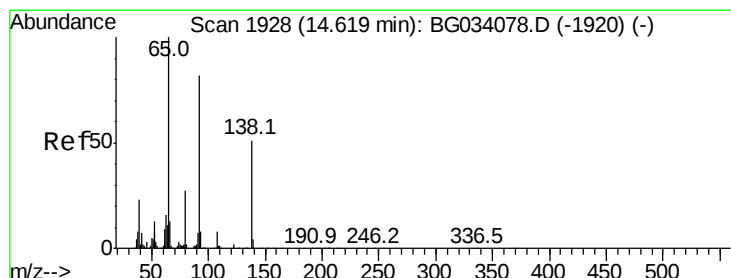
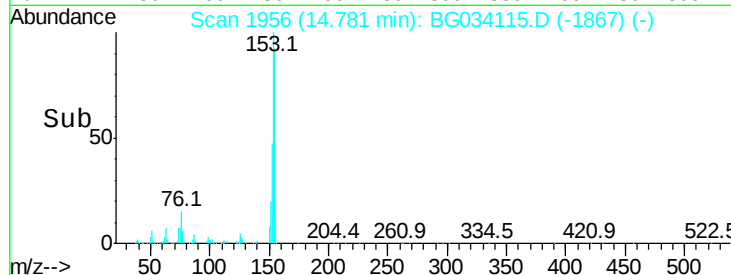
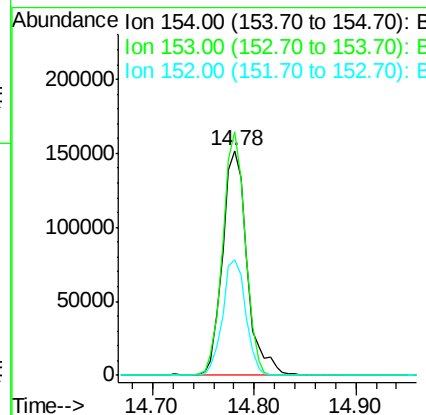
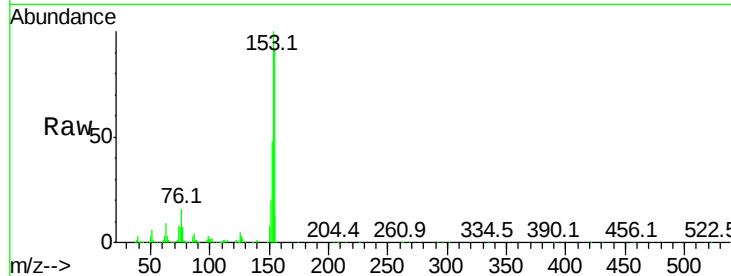
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	154	Resp:	255876
Ion Ratio	Lower	Upper	
154	100		
153	108.3	90.4	135.6
152	51.5	41.6	62.4

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#52

3-Nitroaniline

Concen: 20.815 ng

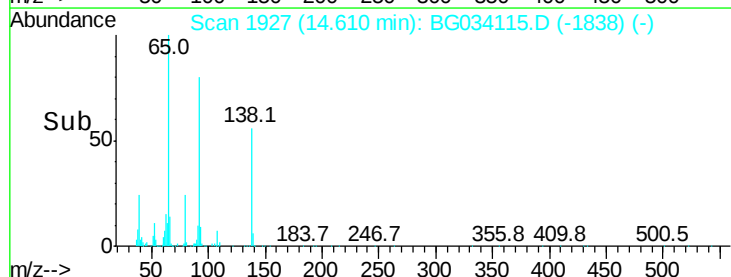
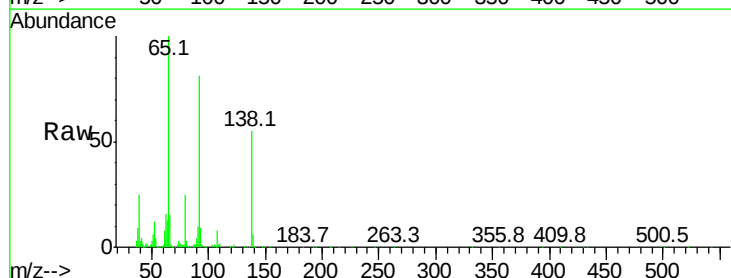
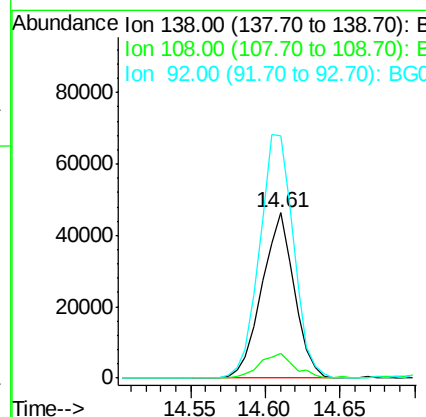
RT: 14.61 min Scan# 1927

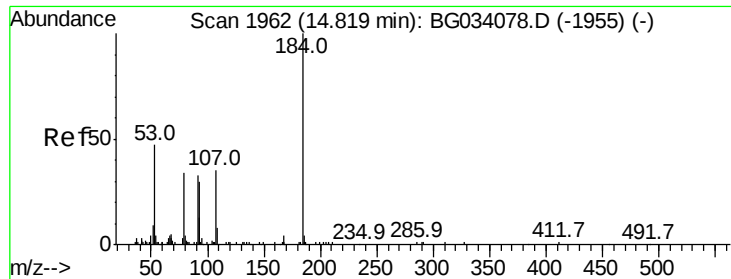
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	138	Resp:	69558
Ion Ratio	Lower	Upper	
138	100		
108	15.2	17.5	26.3#
92	146.9	105.8	158.8





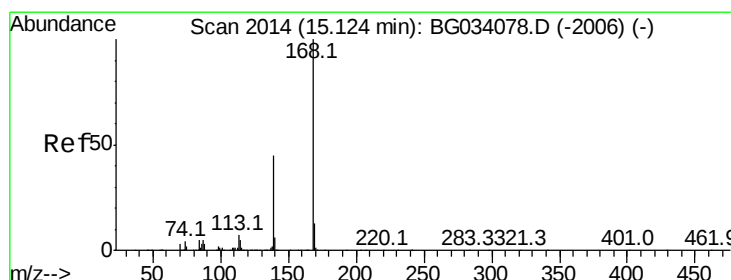
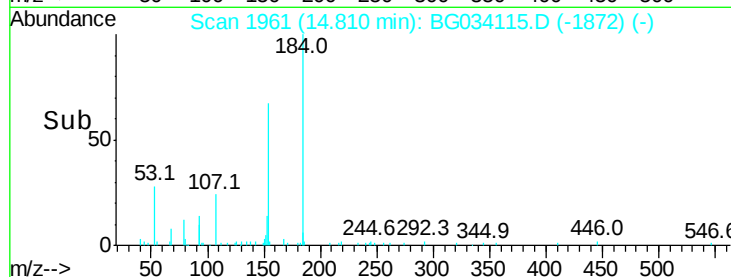
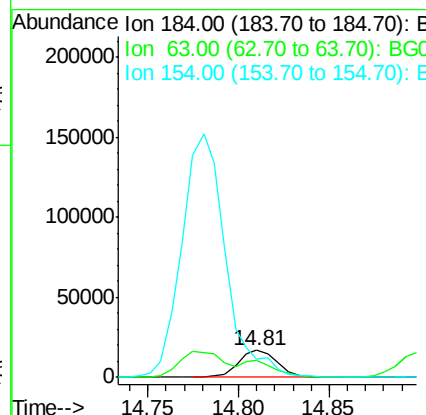
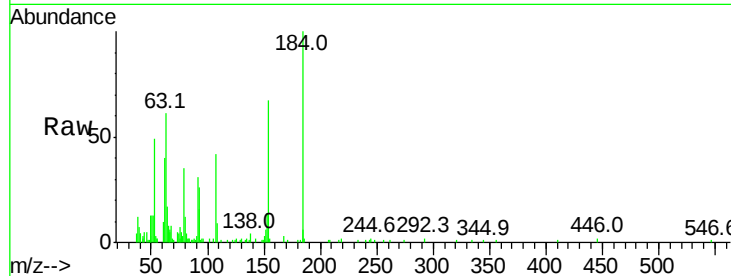
#53
2,4-Dinitrophenol
Concen: 19.456 ng
RT: 14.81 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
184	100		
63	57.8	59.8	89.8#
154	62.7	101.8	152.8#

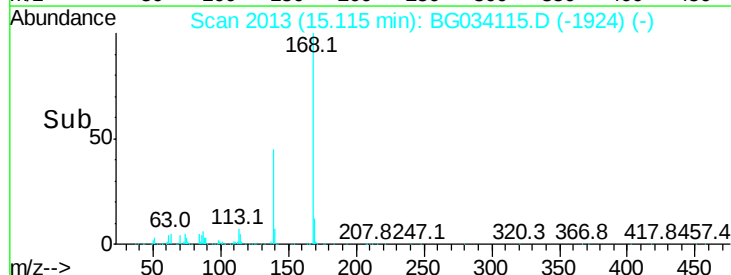
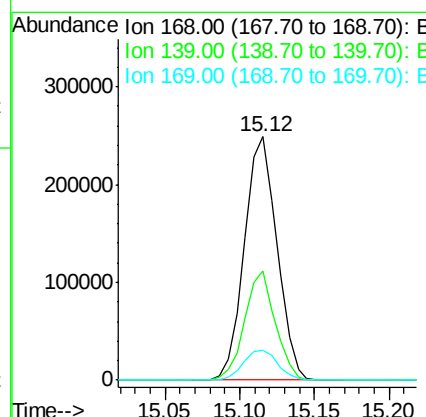
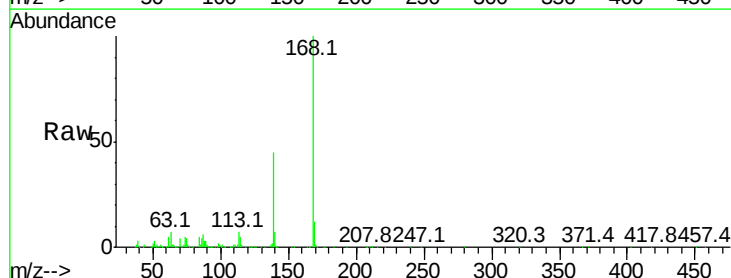
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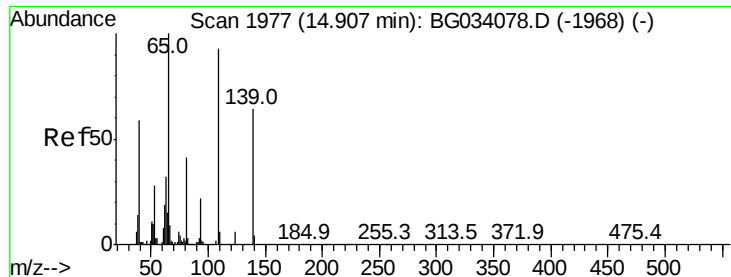
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#54
Dibenzofuran
Concen: 20.272 ng
RT: 15.12 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.0	28.6	43.0#
169	12.3	11.2	16.8





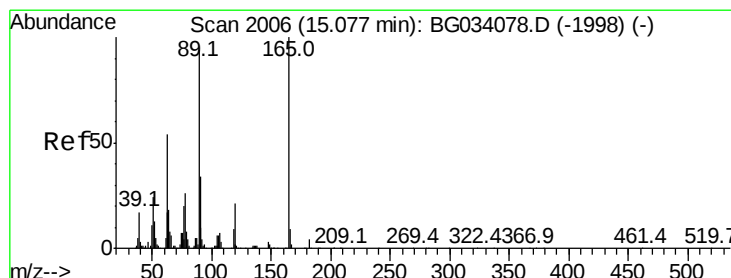
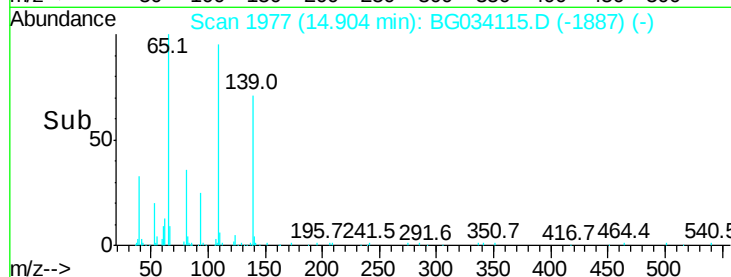
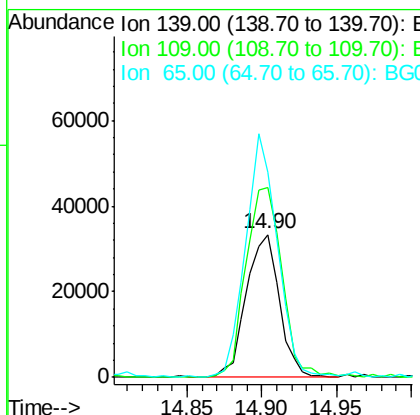
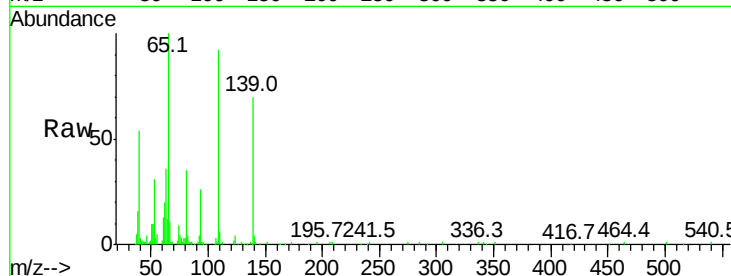
#55
4-Nitrophenol
Concen: 20.027 ng
RT: 14.90 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	132.8	62.2	102.2#
65	143.9	97.2	137.2#

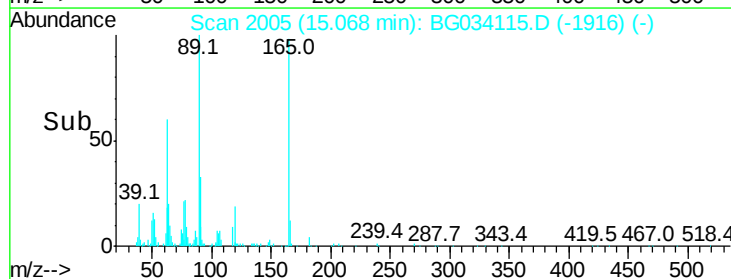
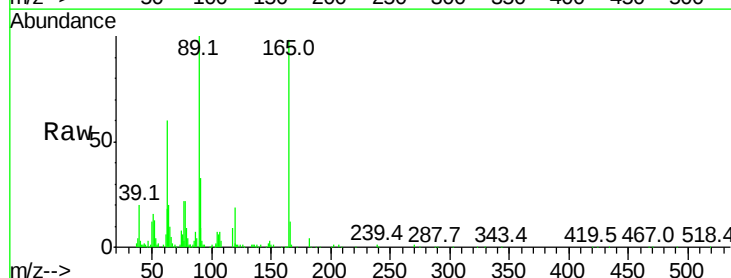
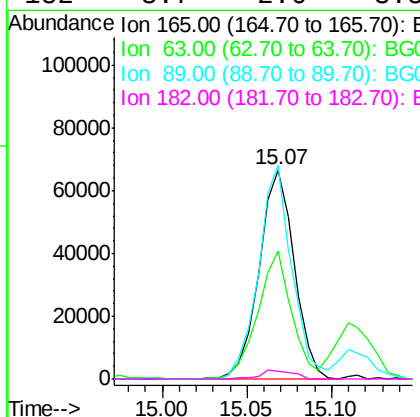
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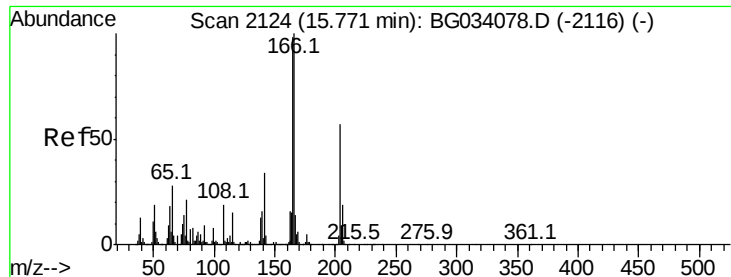
Sohil
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#56
2,4-Dinitrotoluene
Concen: 21.210 ng
RT: 15.07 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	61.7	42.0	63.0
89	102.4	66.9	100.3#
182	3.7	2.6	3.8





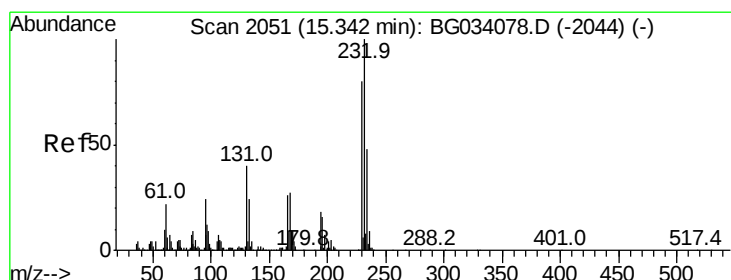
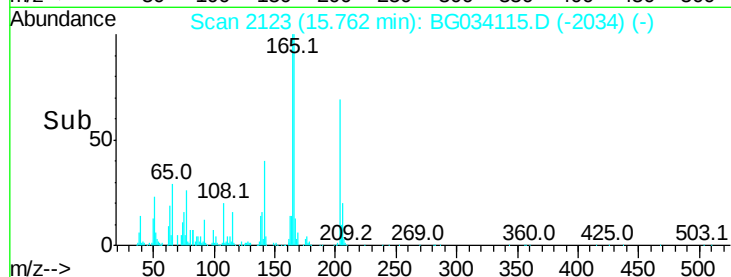
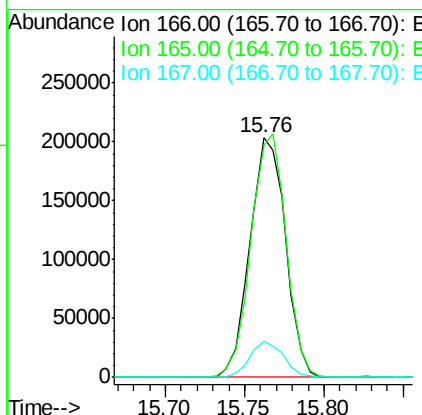
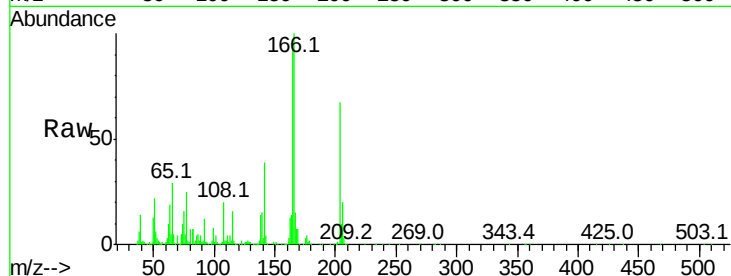
#57
Fluorene
 Concen: 19.676 ng
 RT: 15.76 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	80.6	121.0
167	15.0	10.4	15.6

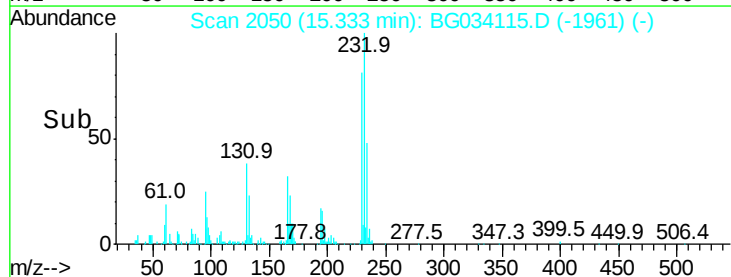
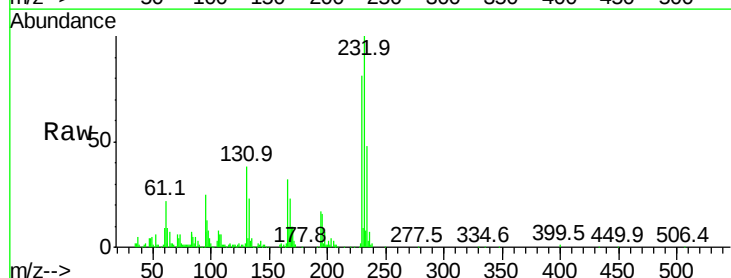
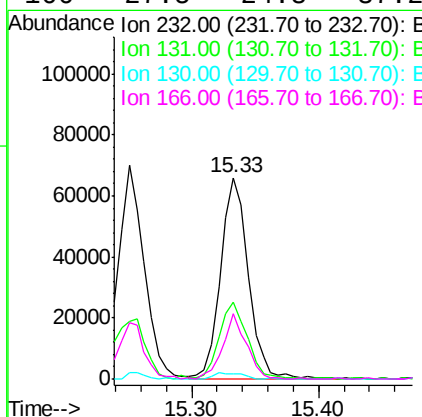
Manual Integrations
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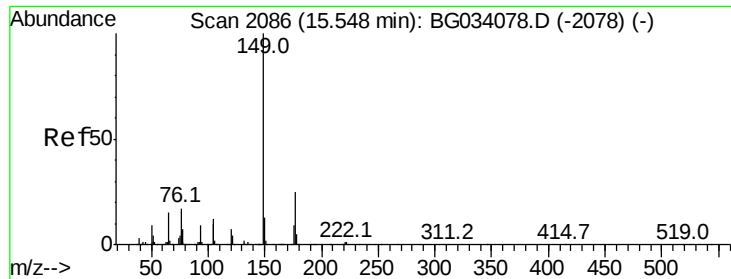
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 5/2/2018 4:51:08 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 19.686 ng
 RT: 15.33 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
232	100		
131	38.1	33.5	50.3
130	3.0	2.2	3.2
166	27.5	24.8	37.2





#59

Diethylphthalate

Concen: 19.881 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

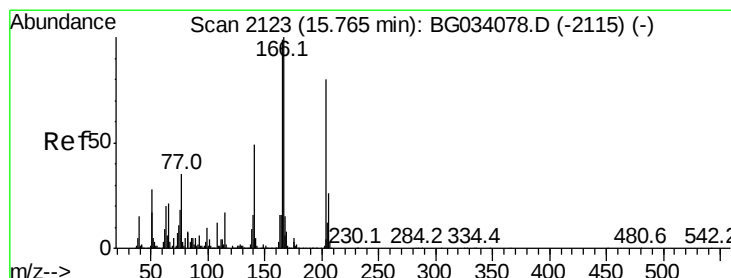
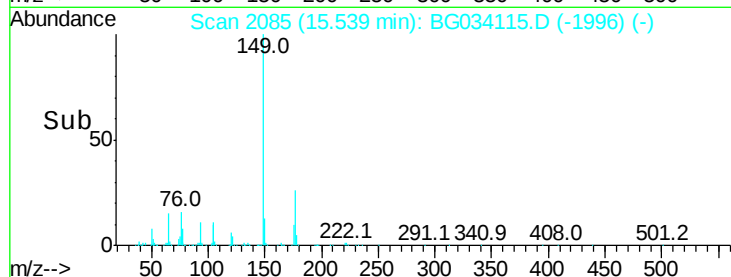
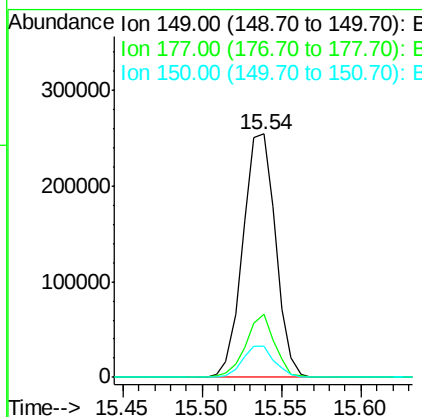
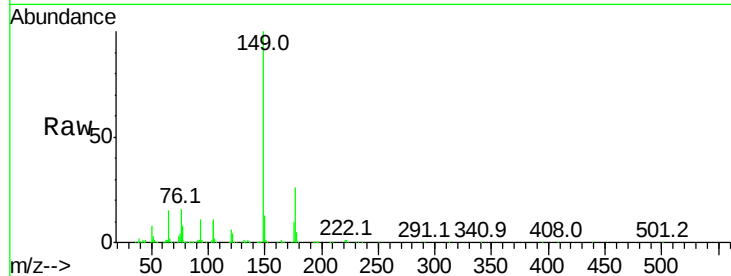
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	149	Resp:	363179
Ion Ratio	Lower	Upper	
149	100		
177	25.8	18.5	27.7
150	12.8	10.2	15.2

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#60

4-Chlorophenyl-phenylether

Concen: 20.697 ng

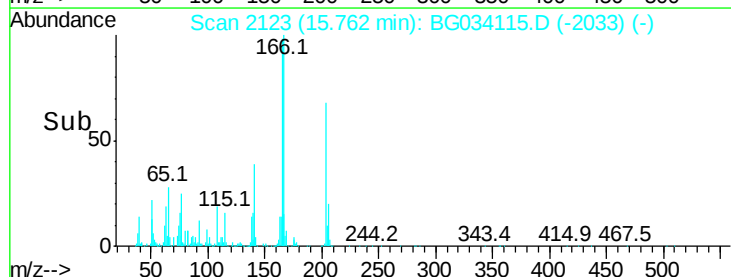
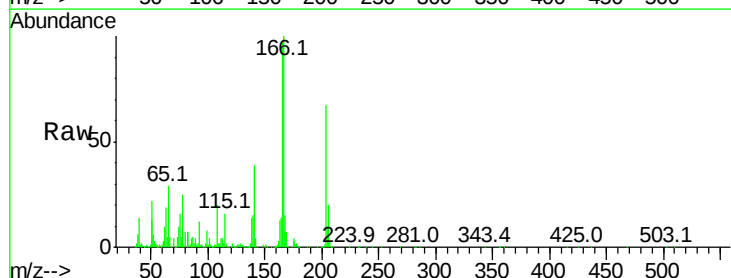
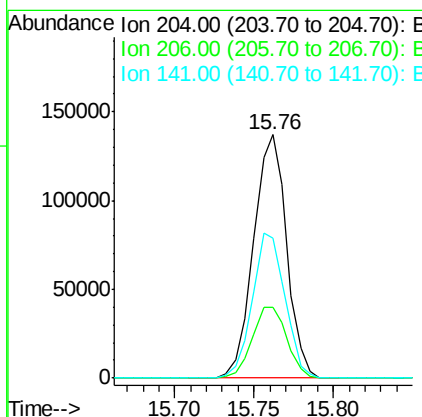
RT: 15.76 min Scan# 2123

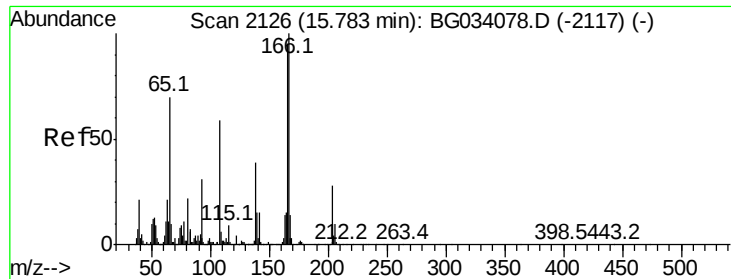
Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	204	Resp:	198777
Ion Ratio	Lower	Upper	
204	100		
206	29.2	26.2	39.2
141	57.7	45.8	68.6





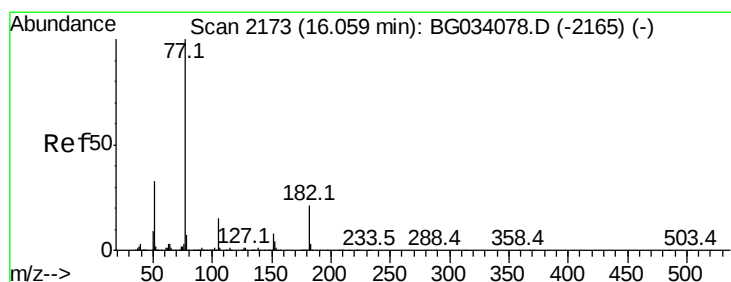
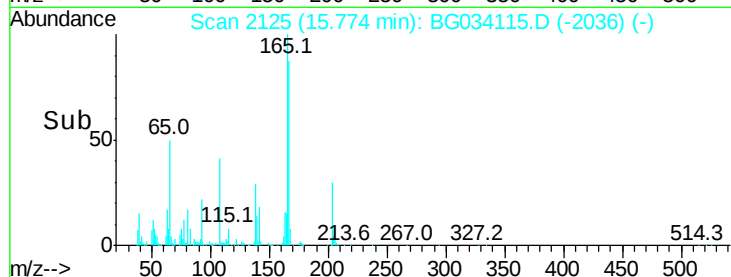
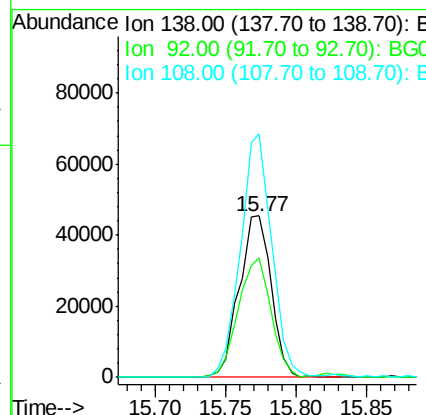
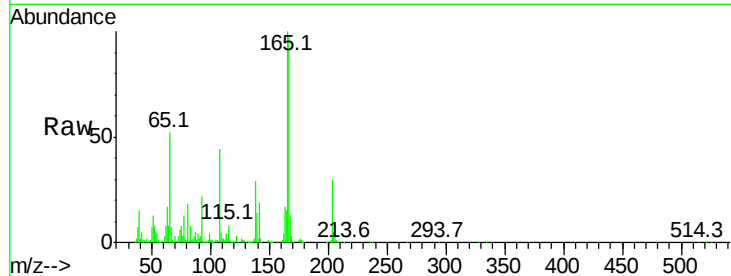
#61
4-Nitroaniline
Concen: 20.346 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
138	100		
92	74.5	40.1	80.1
108	151.0	65.4	105.4#

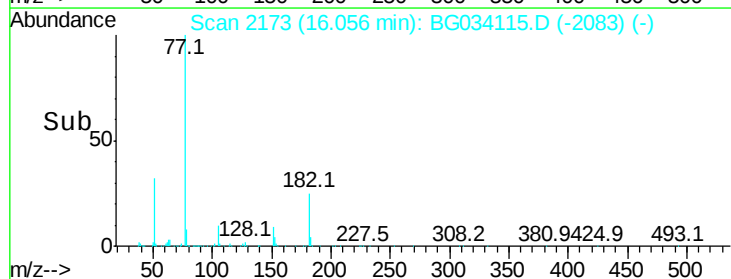
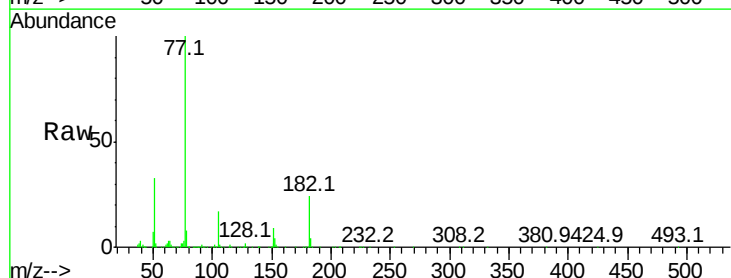
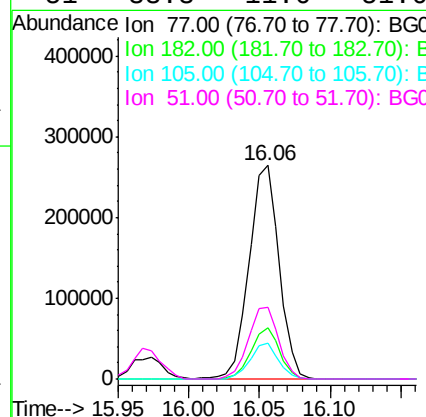
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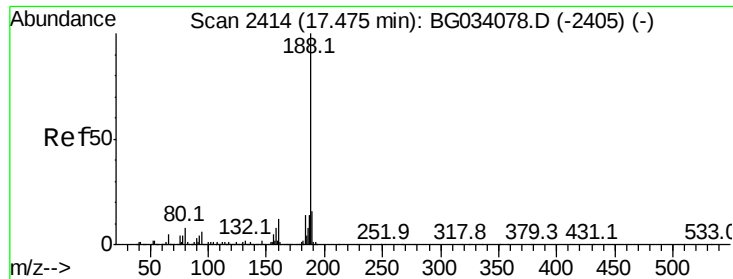
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#62
Azobenzene
Concen: 20.001 ng
RT: 16.06 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.3	7.4	47.4
105	16.5	0.3	40.3
51	33.3	11.6	51.6





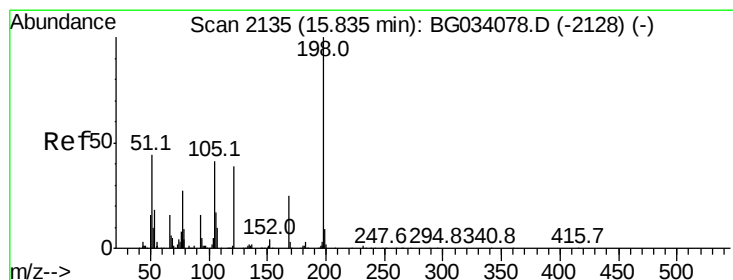
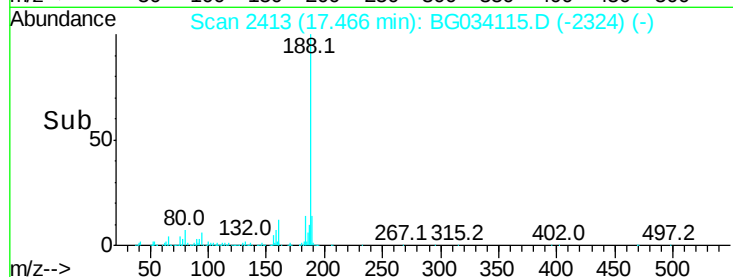
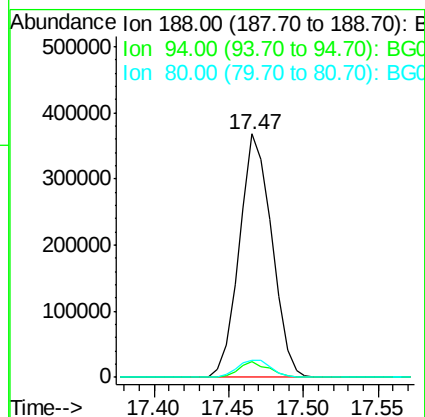
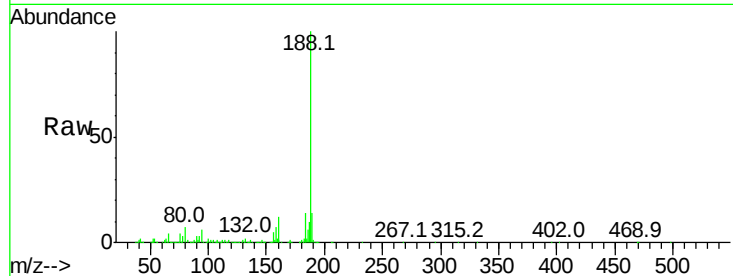
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.4	6.9	10.3#
80	7.2	7.7	11.5#

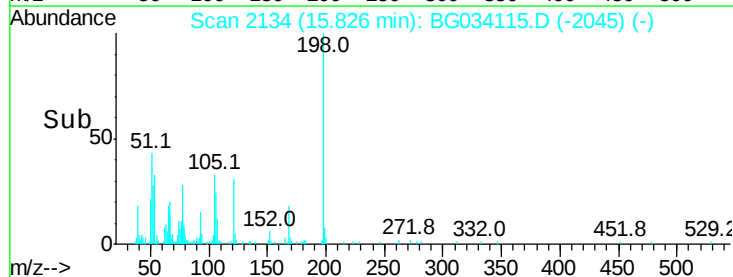
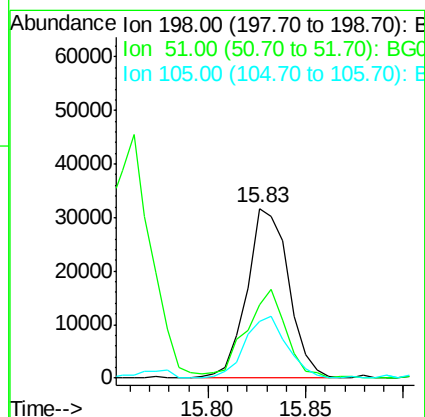
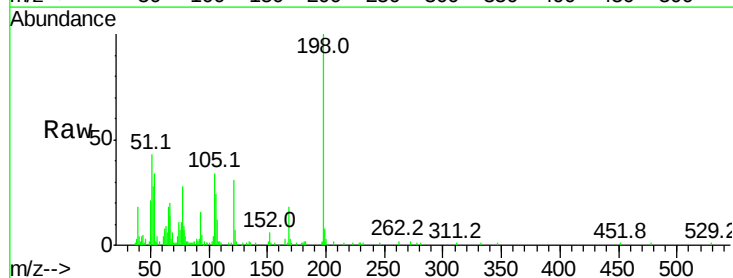
Manual Integrations
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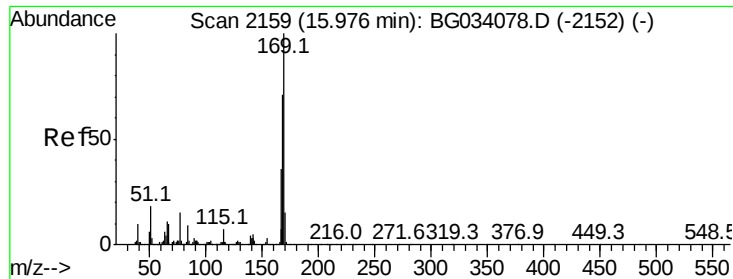
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 17.966 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	43.4	30.6	70.6
105	33.8	23.8	63.8





#65

n-Nitrosodiphenylamine

Concen: 19.008 ng

RT: 15.97 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

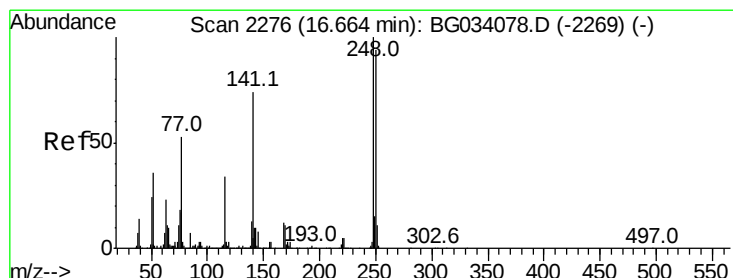
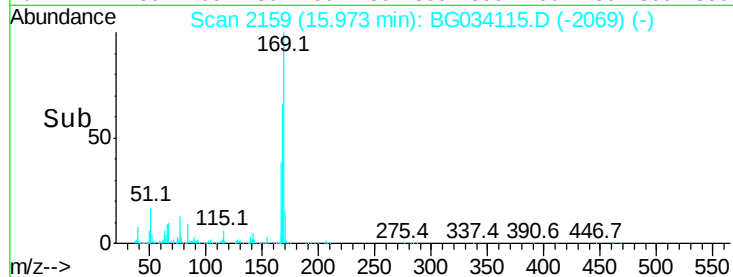
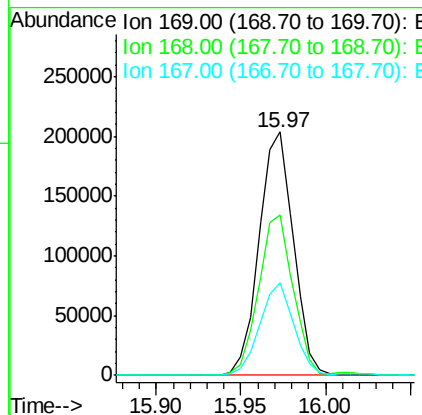
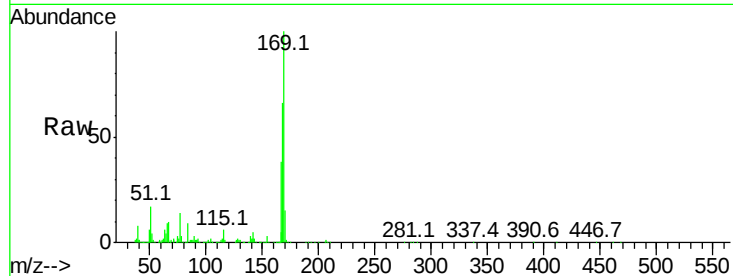
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	169	Resp:	287307
Ion Ratio	Lower	Upper	
169	100		
168	65.8	55.7	83.5
167	38.0	30.1	45.1

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#66

4-Bromophenyl-phenylether

Concen: 18.960 ng

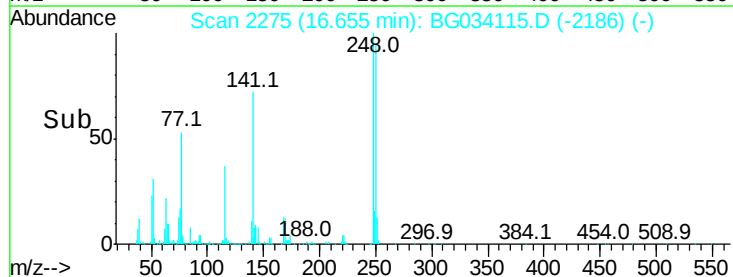
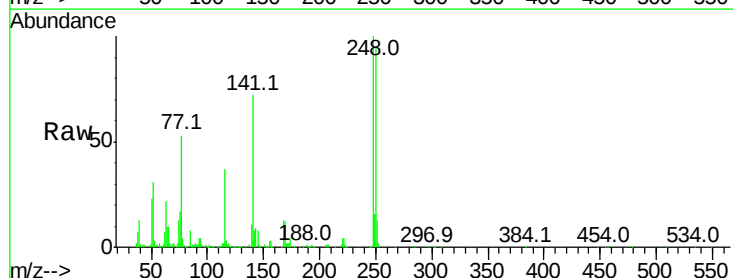
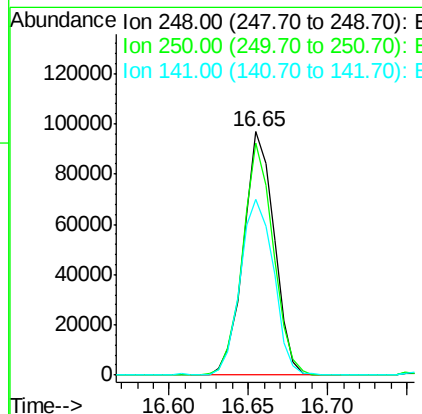
RT: 16.65 min Scan# 2275

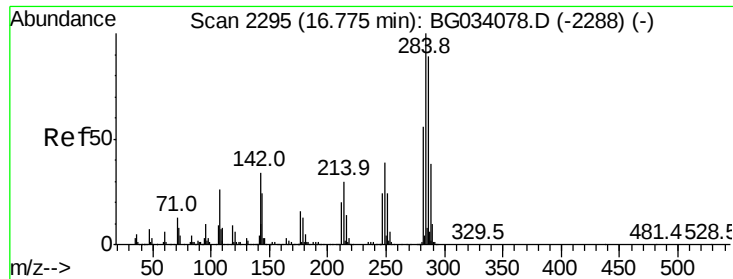
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	248	Resp:	130490
Ion Ratio	Lower	Upper	
248	100		
250	95.1	77.1	115.7
141	72.1	50.8	76.2





#67

Hexachlorobenzene

Concen: 19.672 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.00 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

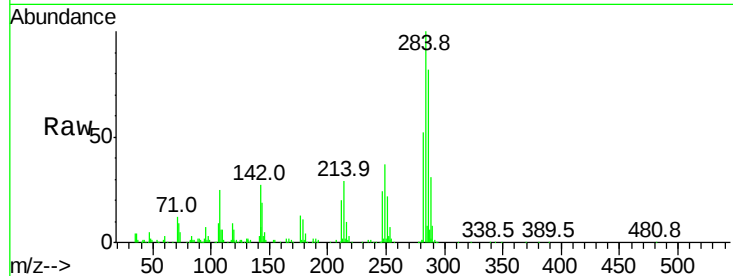
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	26.6	26.8	40.2#	
249	37.2	26.3	39.5	

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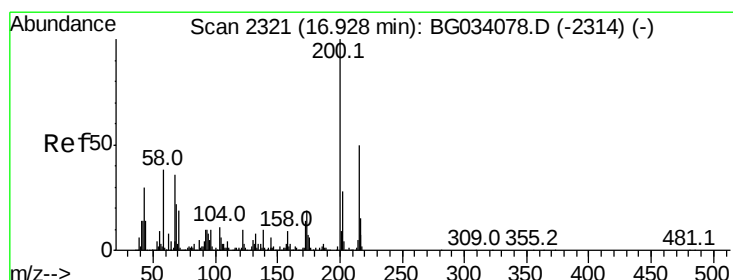
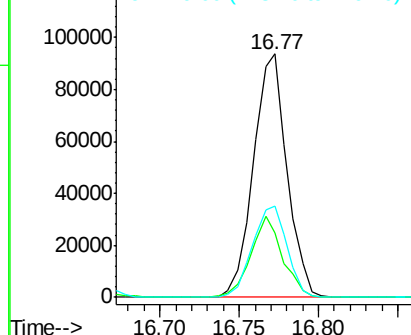
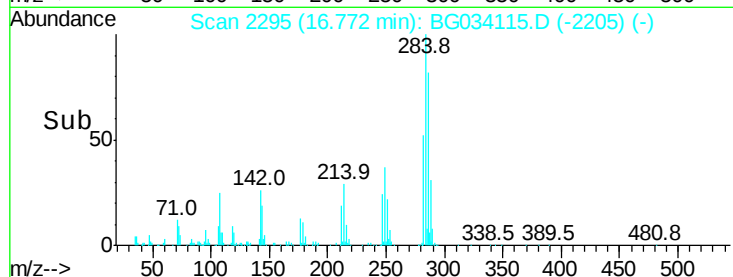


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 10.760 ng

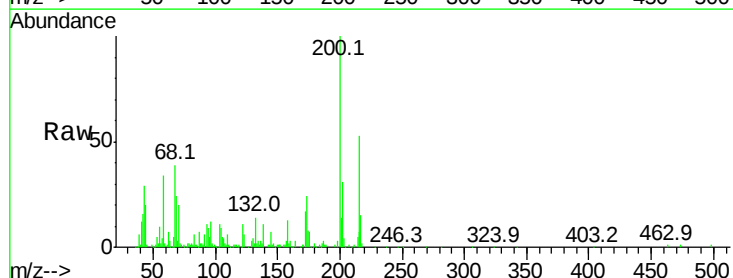
RT: 16.92 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	24.4	5.2	45.2	
215	52.8	30.4	70.4	

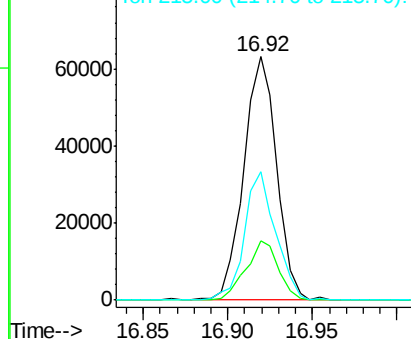
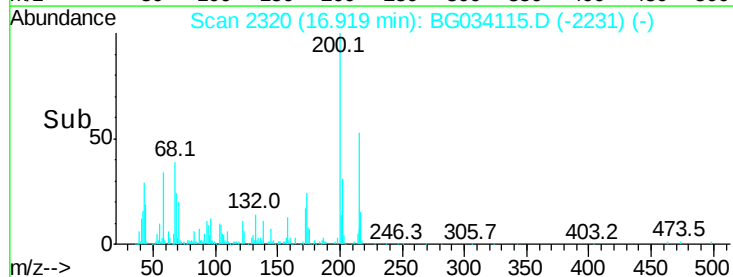


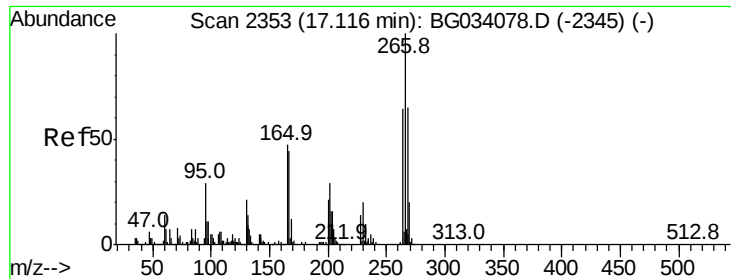
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





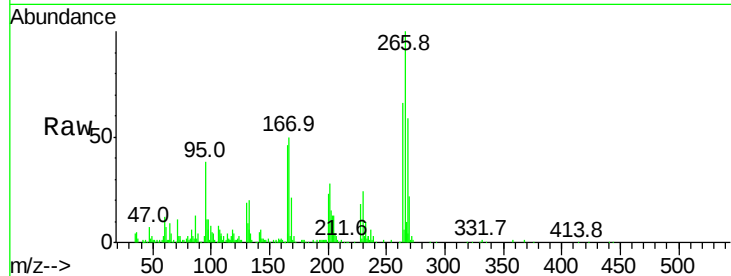
#69
 Pentachlorophenol
 Concen: 17.513 ng
 RT: 17.11 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

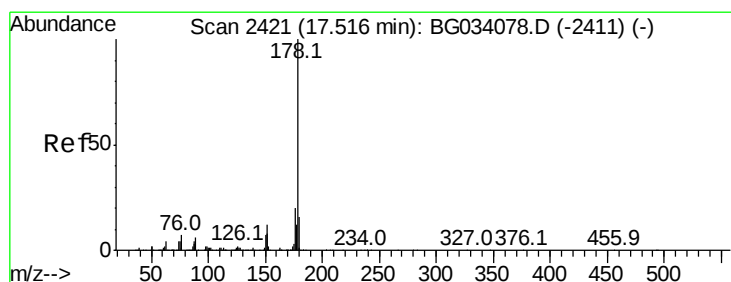
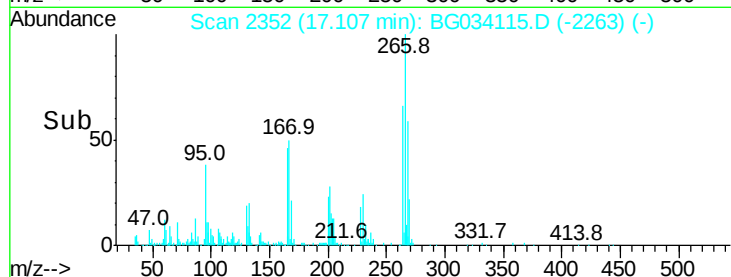
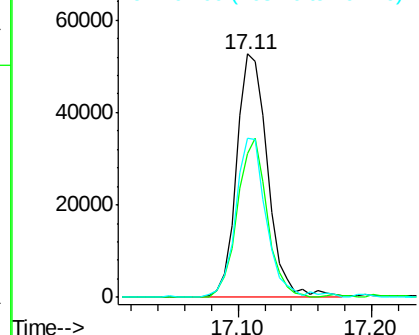
Tot Ion	Ratio	Lower	Upper
266	100		
268	59.2	51.1	76.7
264	65.5	49.6	74.4

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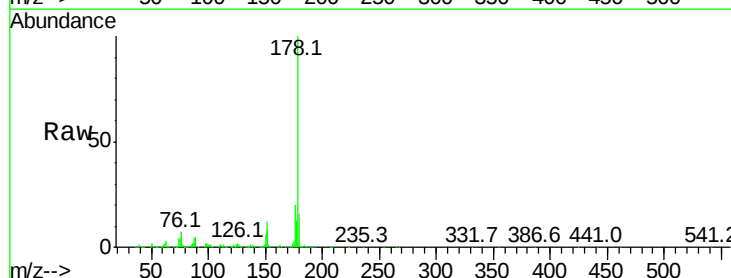


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

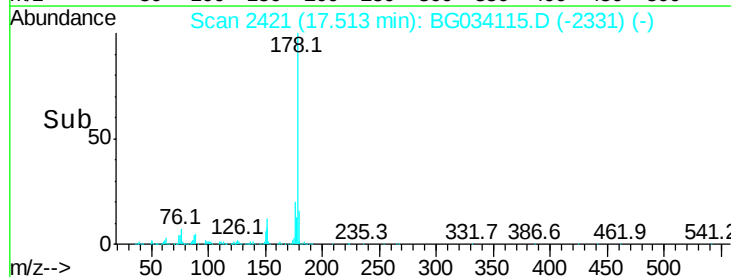
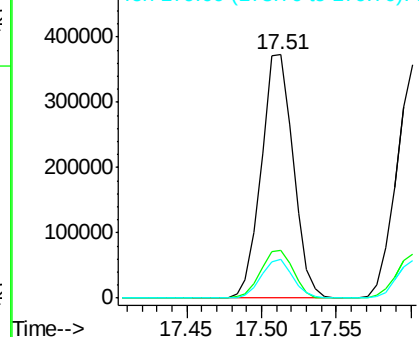


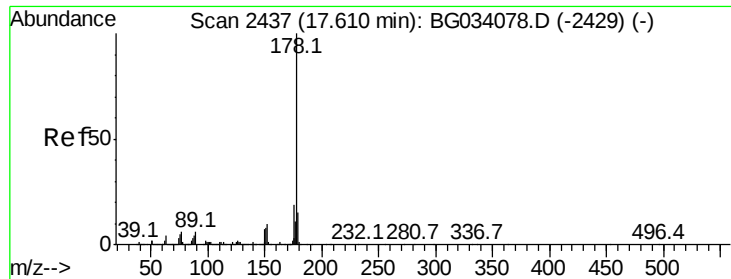
#70
 Phenanthrene
 Concen: 19.369 ng
 RT: 17.51 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.7	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 19.318 ng

RT: 17.60 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

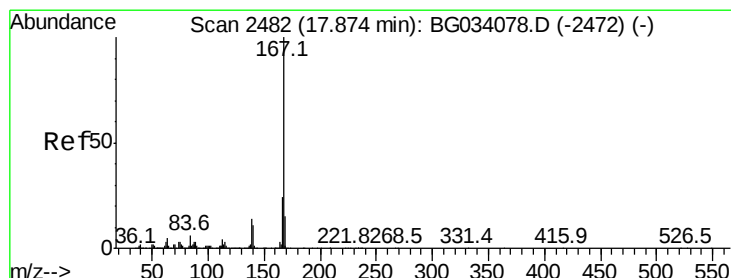
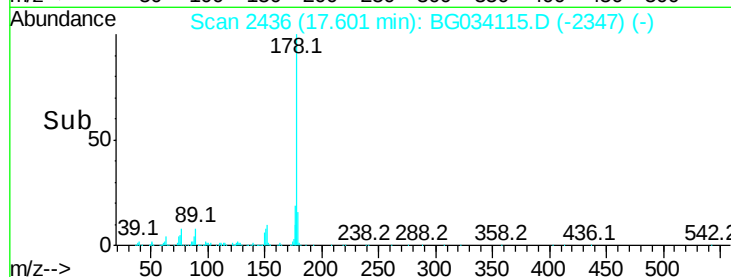
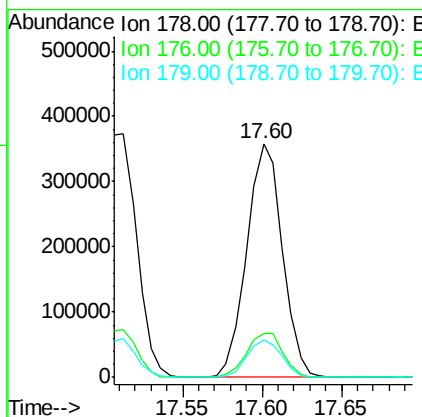
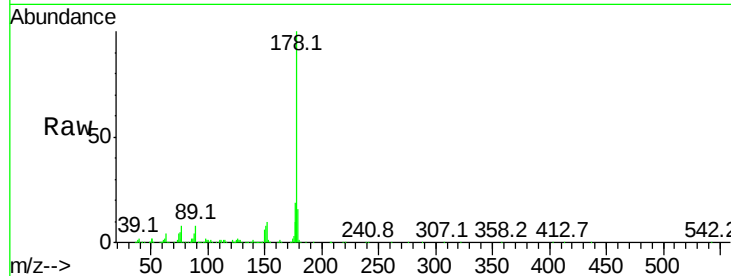
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	178	Resp:	557679
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.0	24.0
179	16.1	12.5	18.7

Manual Integrations
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#72

Carbazole

Concen: 19.731 ng

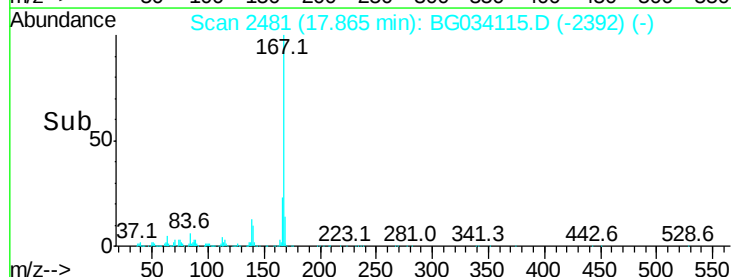
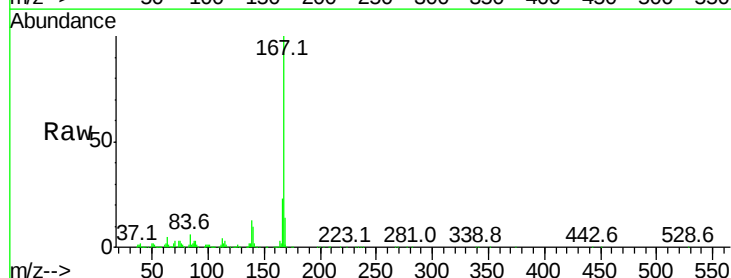
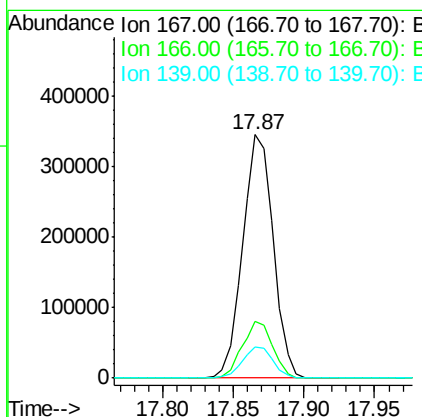
RT: 17.87 min Scan# 2481

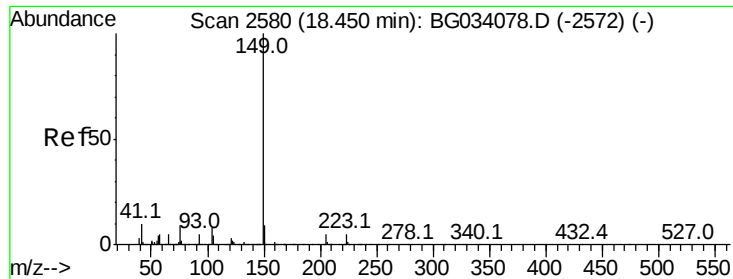
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	167	Resp:	521434
Ion Ratio	Lower	Upper	
167	100		
166	23.4	18.2	27.4
139	12.6	9.4	14.2





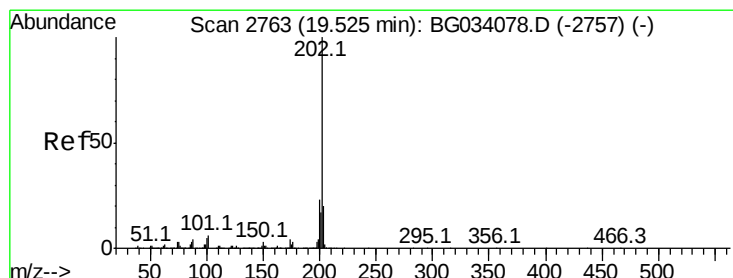
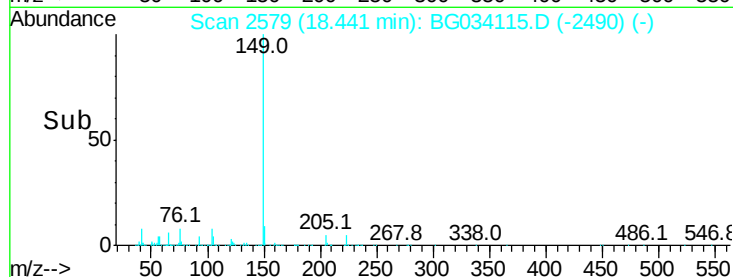
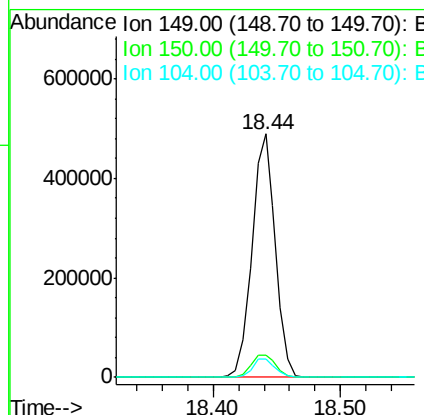
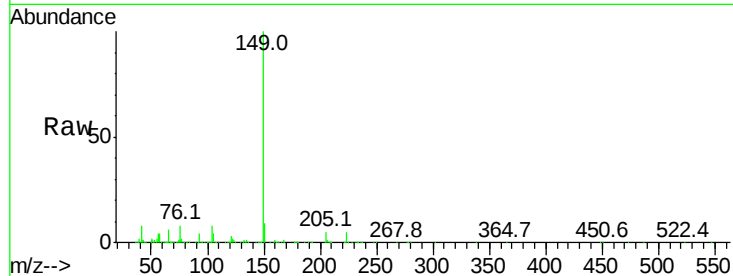
#73
Di-n-butylphthalate
Concen: 19.516 ng
RT: 18.44 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.1	7.8	11.6
104	7.7	3.9	5.9

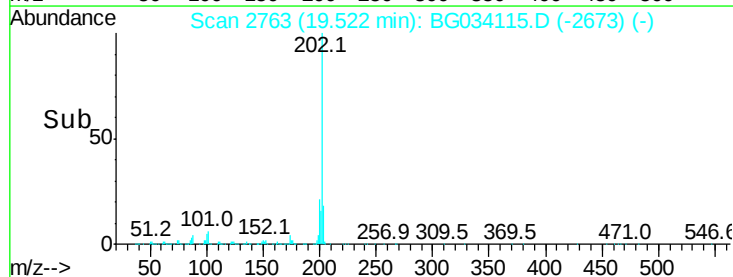
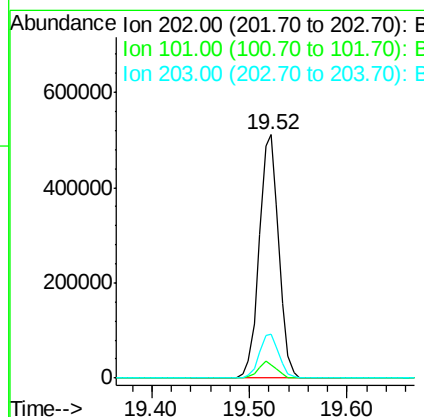
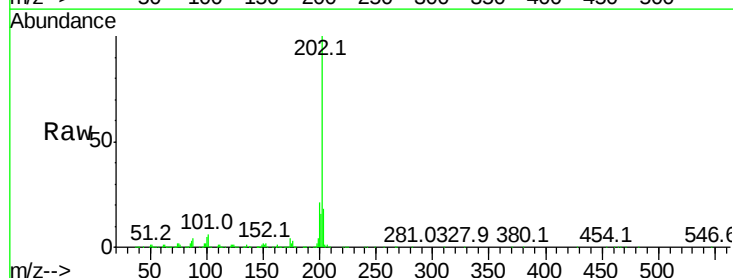
Manual Integrations
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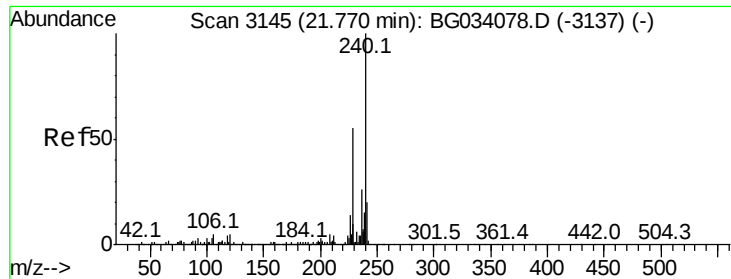
Sohil
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#74
Fluoranthene
Concen: 20.111 ng
RT: 19.52 min Scan# 2763
Delta R.T. -0.00 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	5.6	0.0	28.9
203	18.2	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

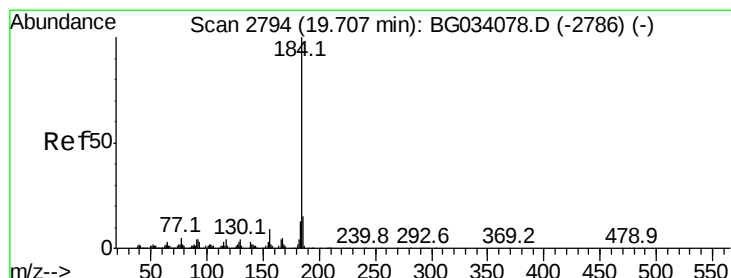
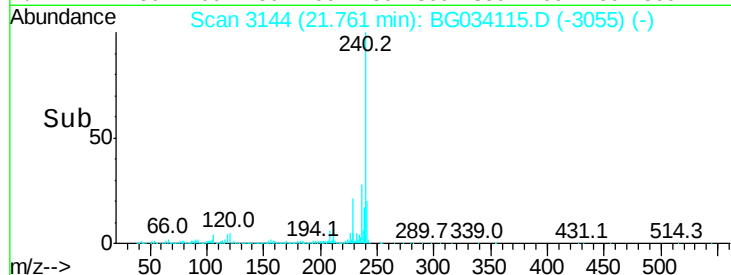
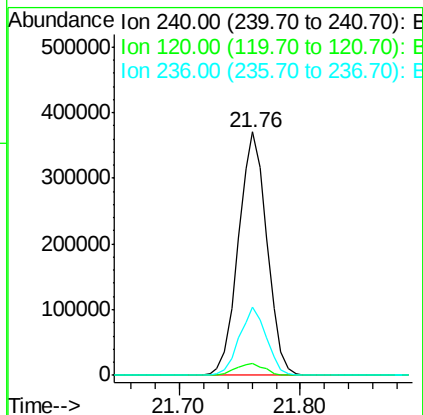
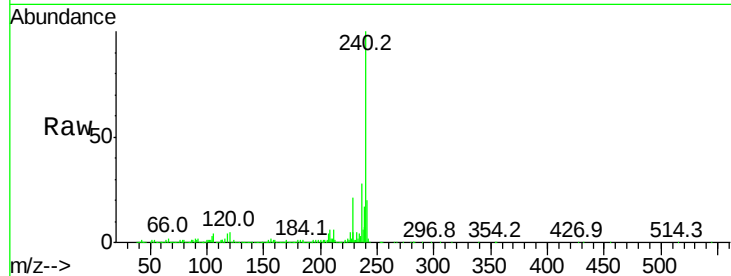
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	240	Resp:	607280
Ion Ratio	Lower	Upper	
240	100		
120	4.8	6.8	10.2#
236	28.2	20.9	31.3

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#76

Benzidine

Concen: 15.787 ng

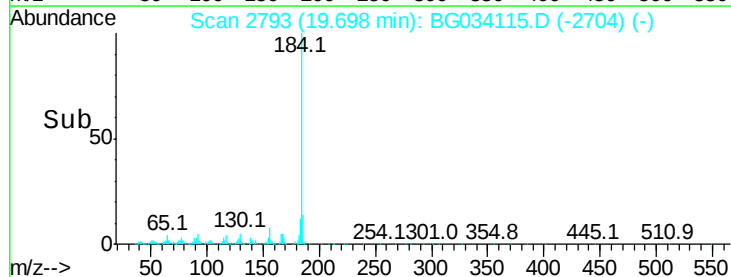
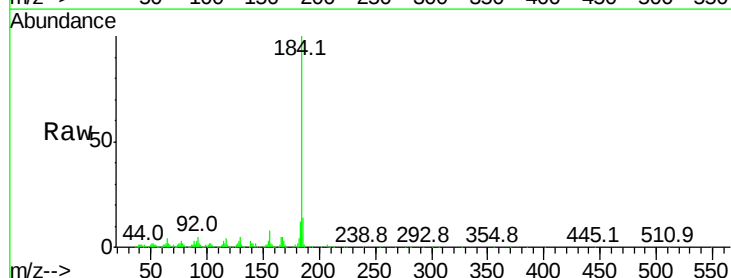
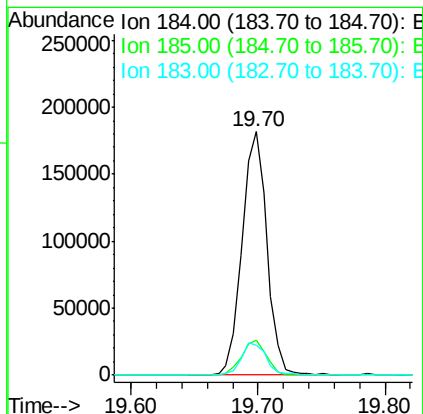
RT: 19.70 min Scan# 2793

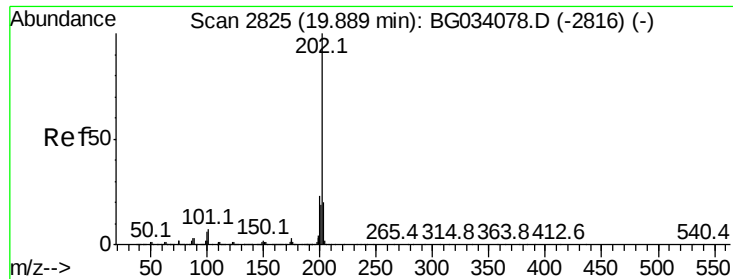
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	184	Resp:	246962
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.1	16.7
183	12.3	10.6	16.0





#77

Pvrene

Concen: 19.596 ng

RT: 19.88 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

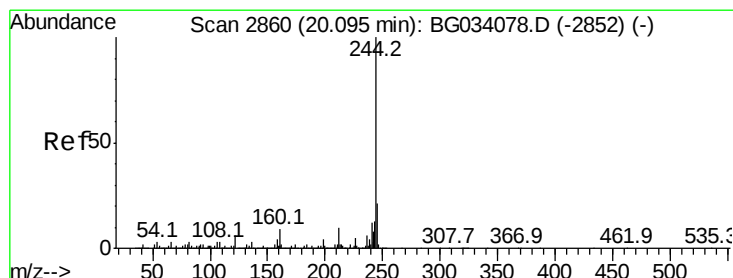
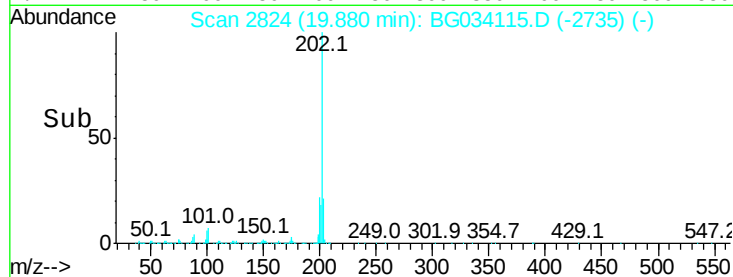
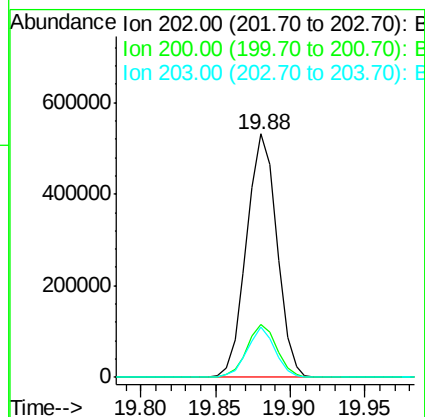
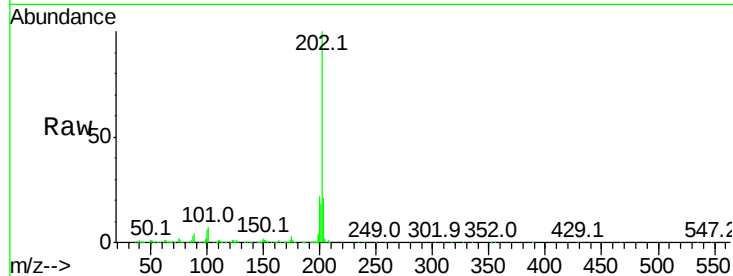
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	202	Resp:	745574
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.9	25.3
203	20.5	13.9	20.9

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#78

Terphenyl-d14

Concen: 80.983 ng

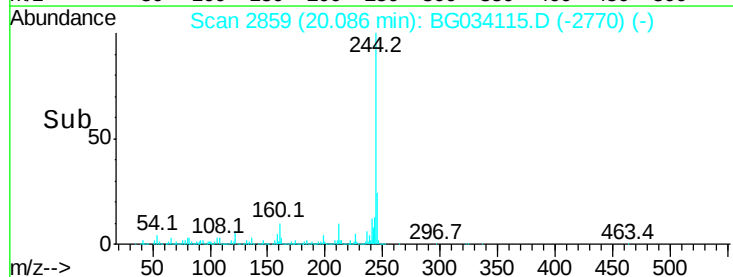
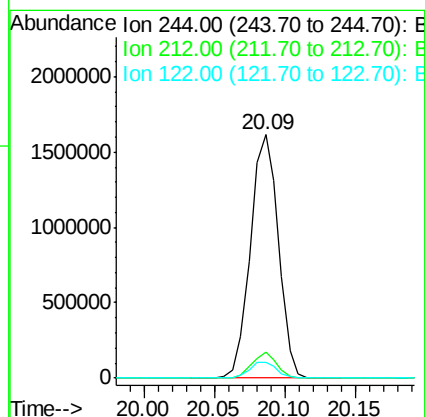
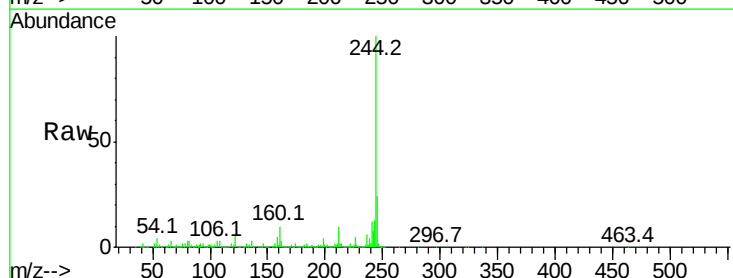
RT: 20.09 min Scan# 2859

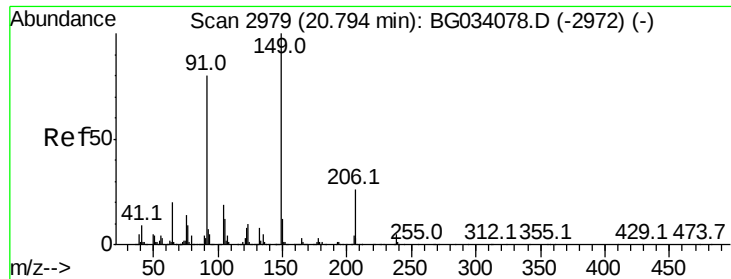
Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	244	Resp:	2244938
Ion Ratio	Lower	Upper	
244	100		
212	10.4	5.8	8.8#
122	6.3	7.0	10.4#





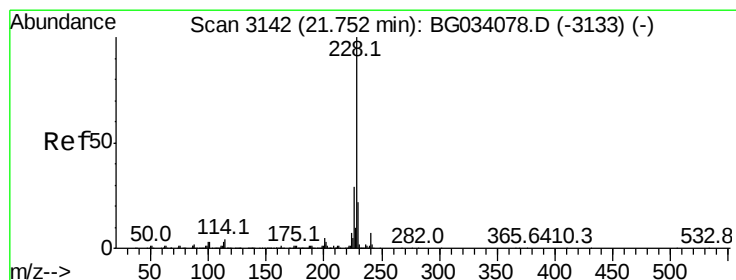
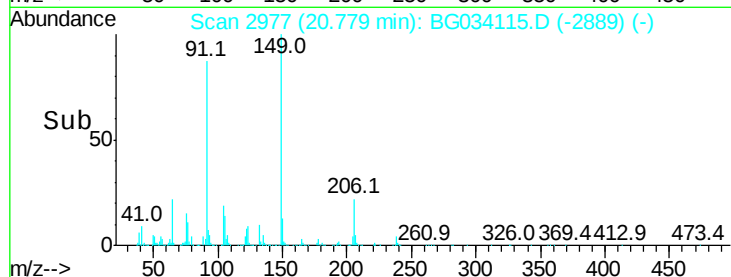
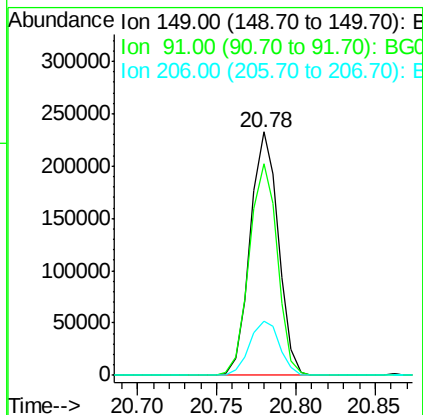
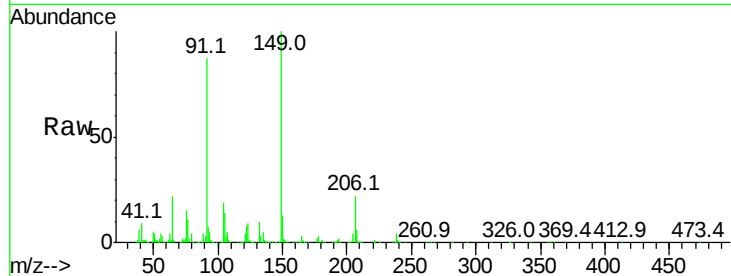
#79
Butylbenzylphthalate
Concen: 19.278 ng
RT: 20.78 min Scan# 2977
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
149	100		
91	87.2	62.2	93.2
206	22.4	18.6	27.8

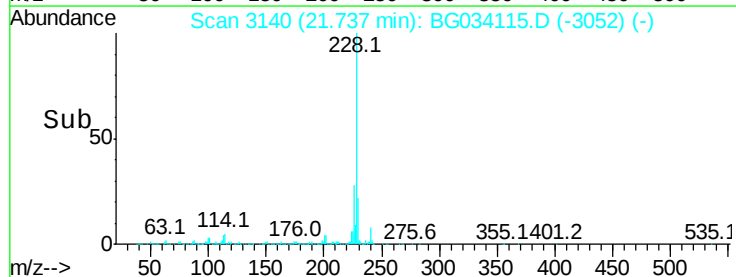
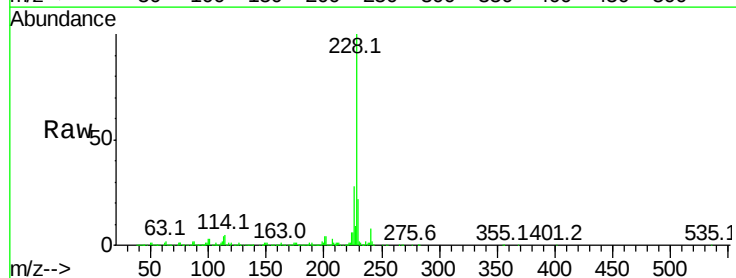
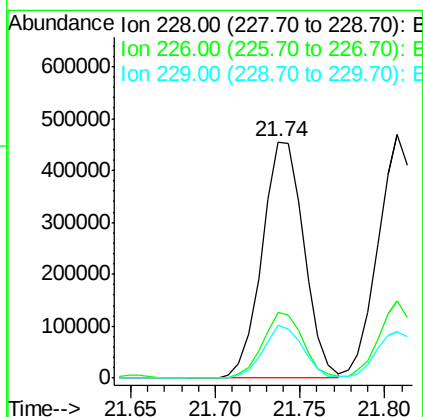
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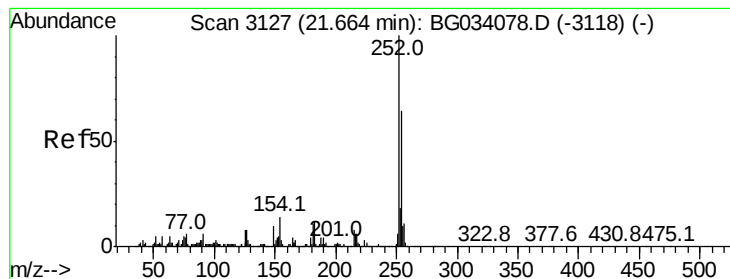
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#80
Benzo(a)anthracene
Concen: 19.928 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	22.3	16.2	24.2





#81

3,3'-Dichlorobenzidine

Concen: 19.789 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

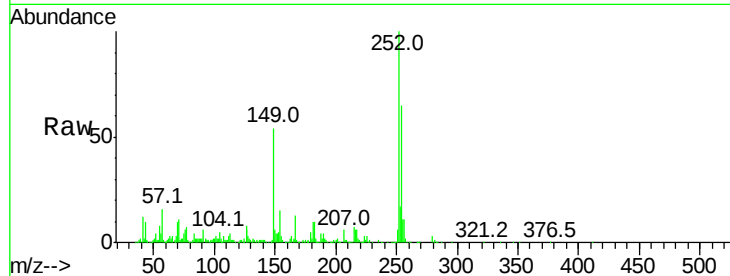
ClientSampleId :

LOQ-SOIL-02-QT1-2018

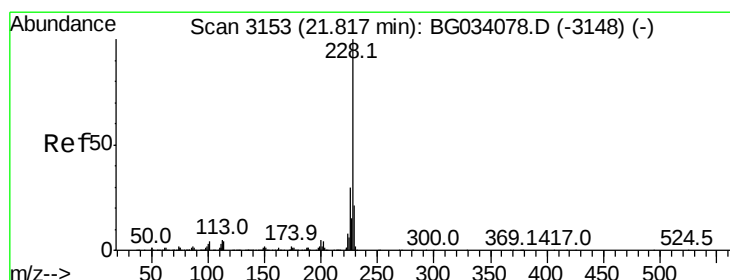
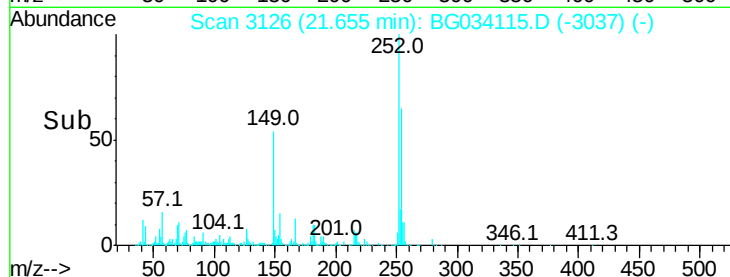
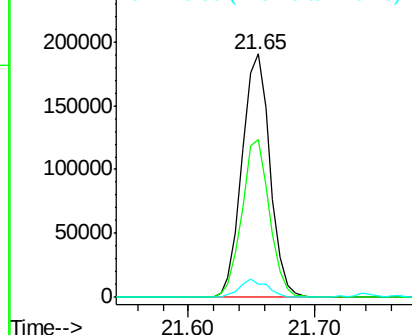
Tot Ion:	252	Resp:	291243
Ion Ratio	Lower	Upper	
252	100		
254	64.6	50.8	76.2
126	5.5	7.4	11.2#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 19.893 ng

RT: 21.81 min Scan# 3152

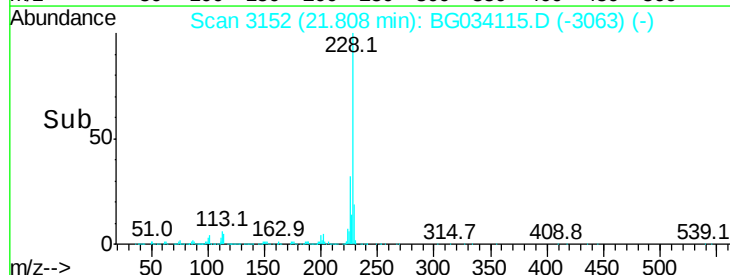
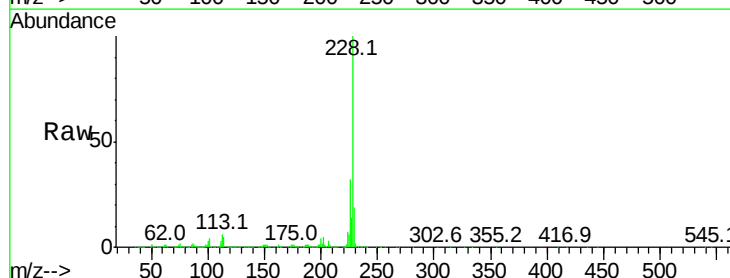
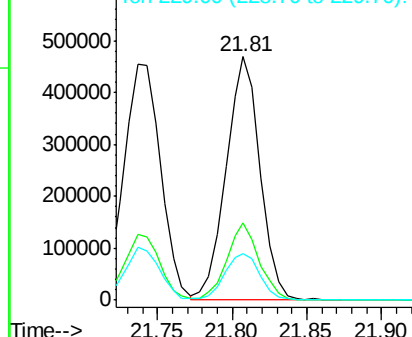
Delta R.T. -0.01 min

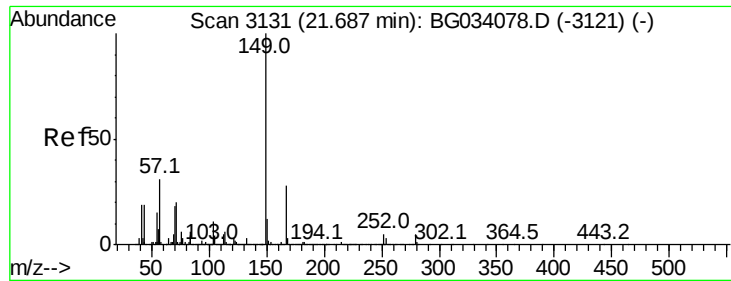
Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	228	Resp:	741037
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	18.9	15.0	22.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 19.211 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

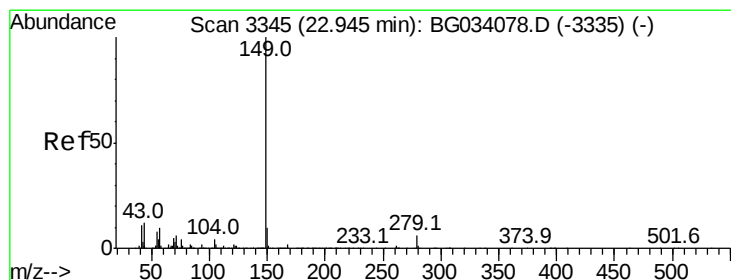
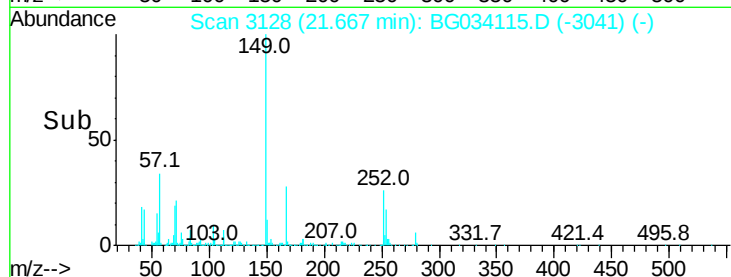
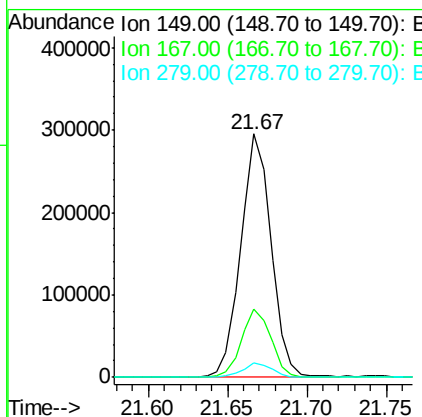
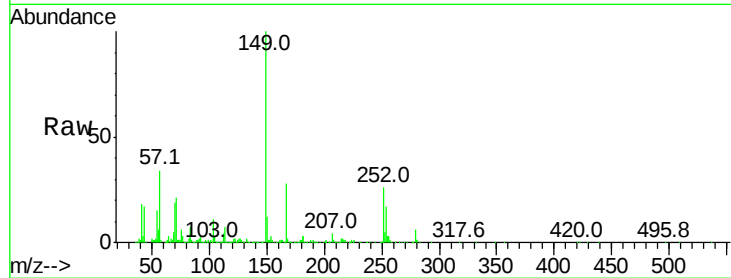
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	149	Resp:	392721
Ion Ratio	Lower	Upper	
149	100		
167	27.9	24.3	36.5
279	5.9	4.0	6.0

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#84

Di-n-octyl phthalate

Concen: 19.126 ng

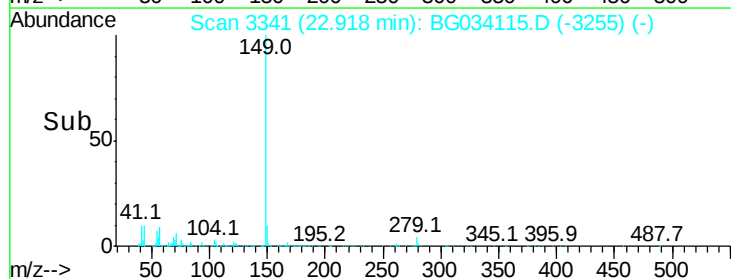
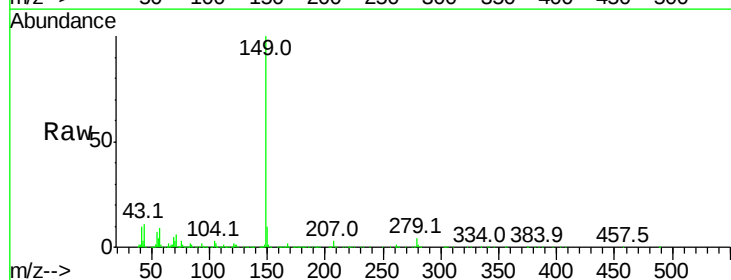
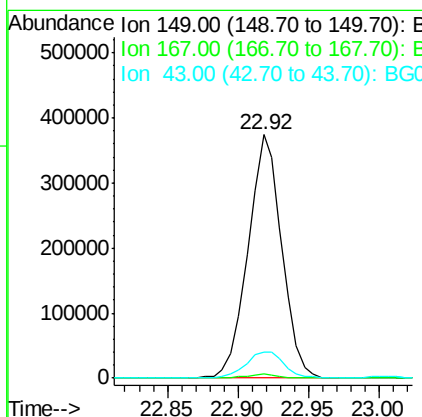
RT: 22.92 min Scan# 3341

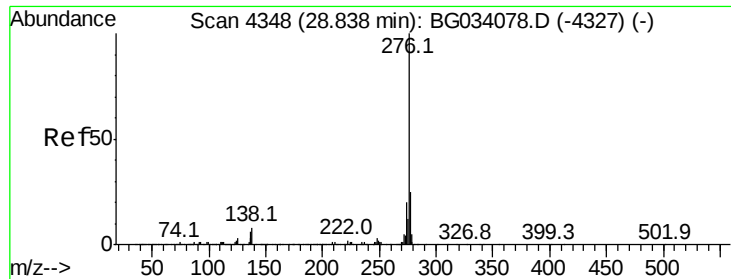
Delta R.T. -0.03 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	149	Resp:	624457
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.4	2.0
43	12.0	8.9	13.3





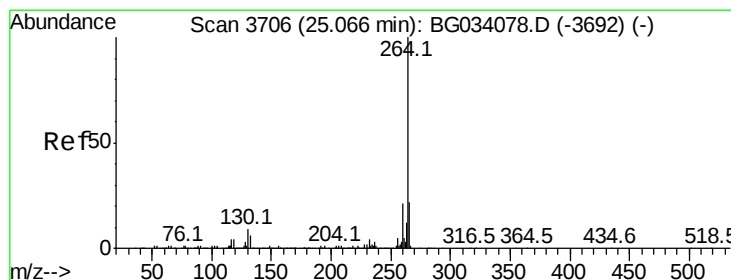
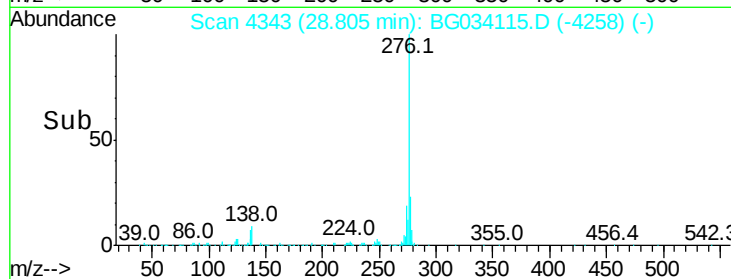
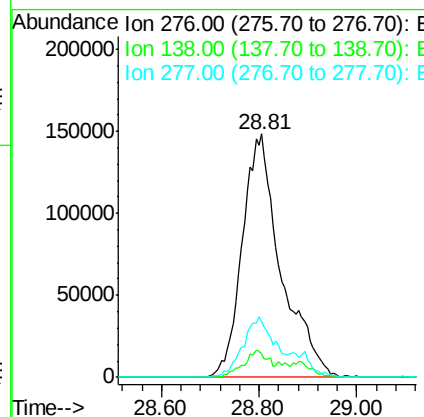
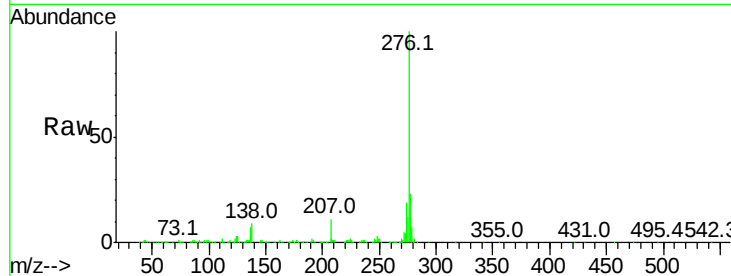
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.884 ng
RT: 28.81 min Scan# 4343
Delta R.T. -0.03 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.4	16.0	24.0#
277	20.2	20.0	30.0

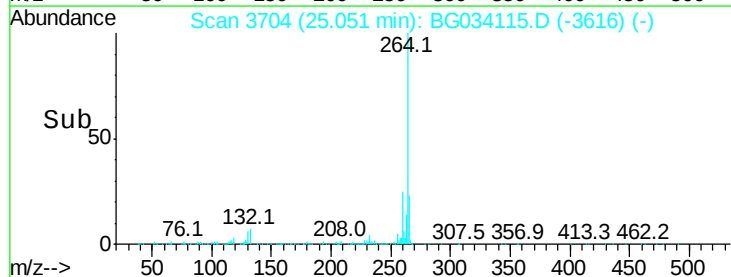
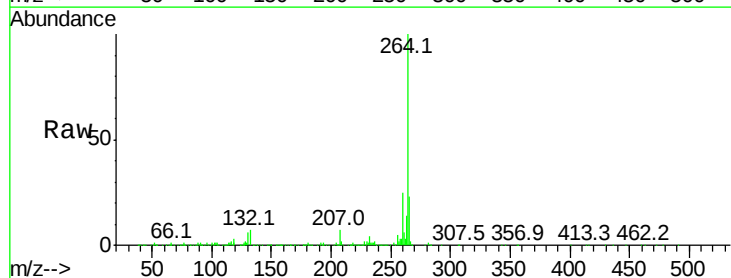
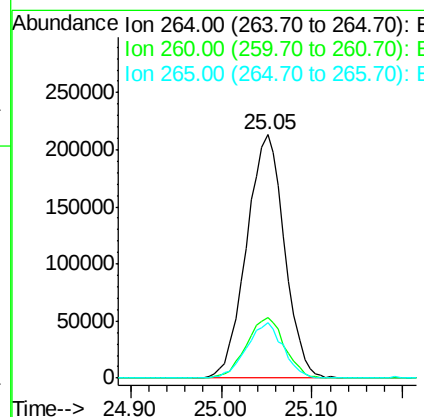
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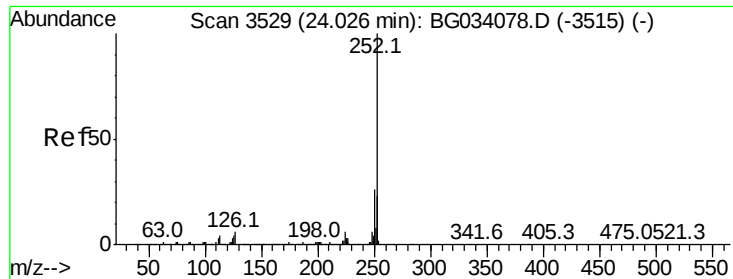
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#86
Perylene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG034115.D
Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.4	26.0
265	22.6	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 19.635 ng

RT: 24.01 min Scan# 3526

Delta R.T. -0.02 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

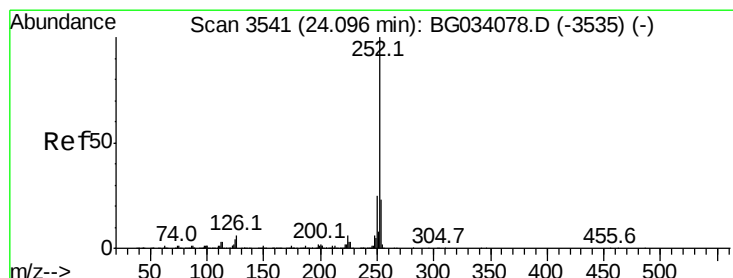
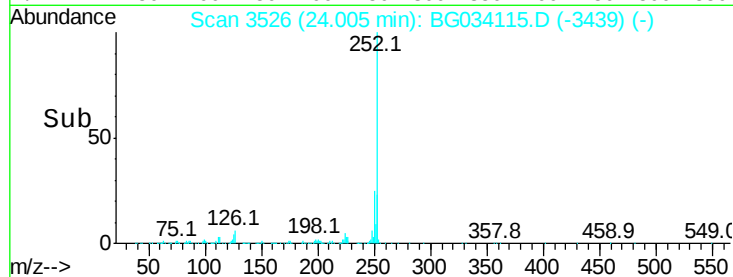
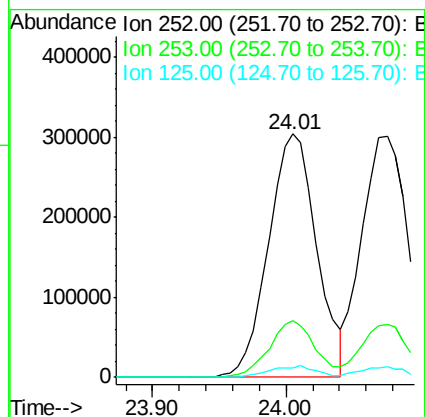
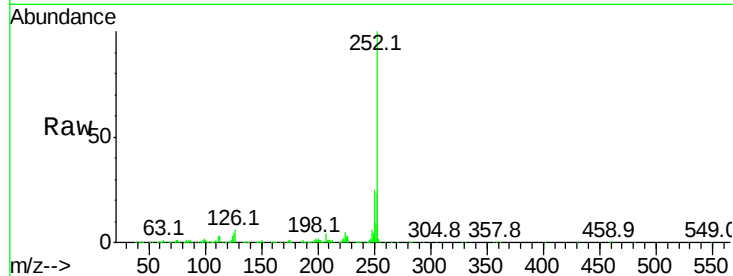
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	18.2	27.4	
125	4.1	7.2	10.8	

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#88

Benzo(k)fluoranthene

Concen: 19.497 ng

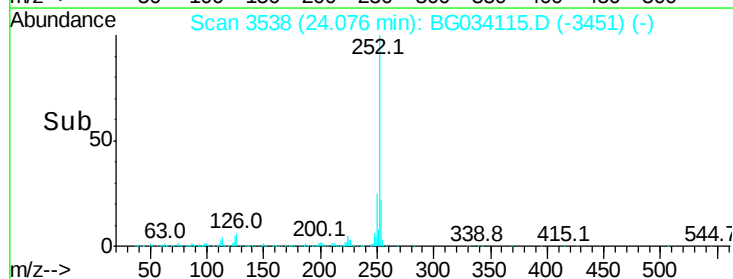
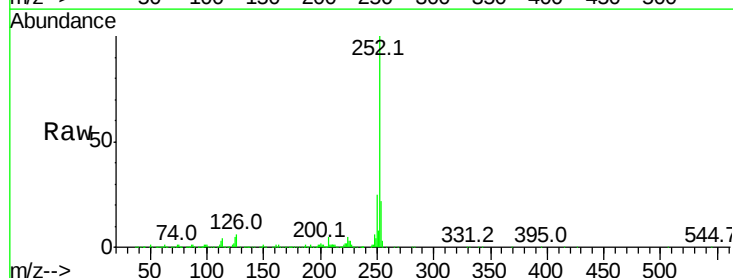
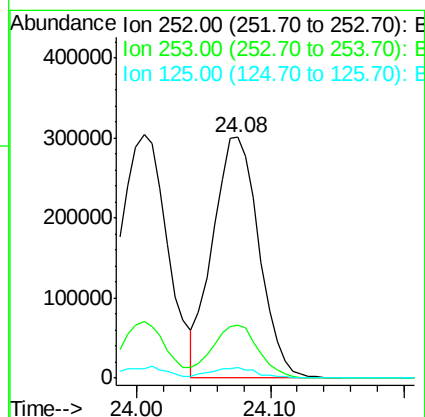
RT: 24.08 min Scan# 3538

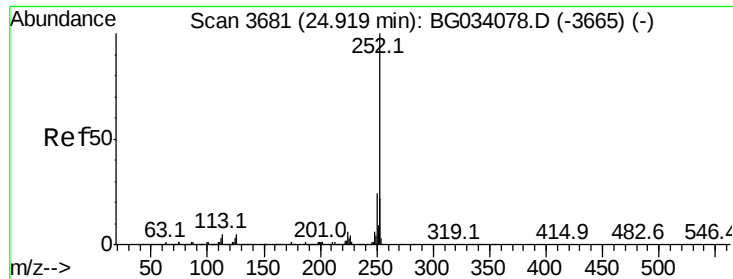
Delta R.T. -0.02 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.9	17.4	26.2	
125	4.7	6.6	9.8	





#89

Benzo(a)pyrene

Concen: 19.286 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.03 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Instrument :

BNA_G

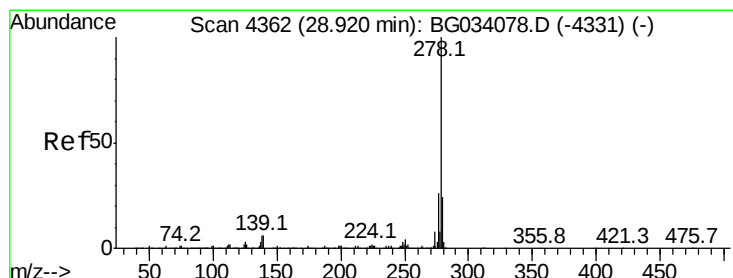
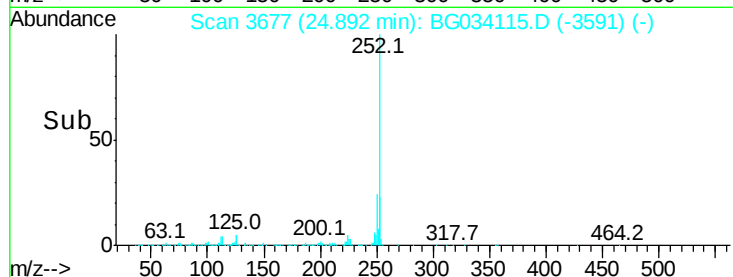
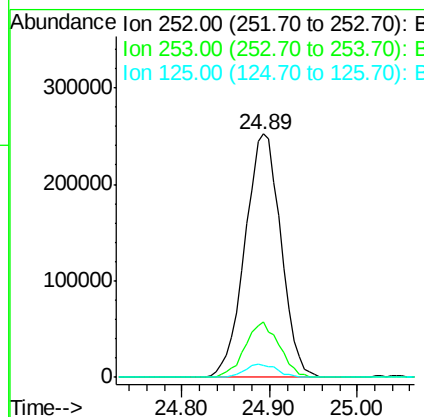
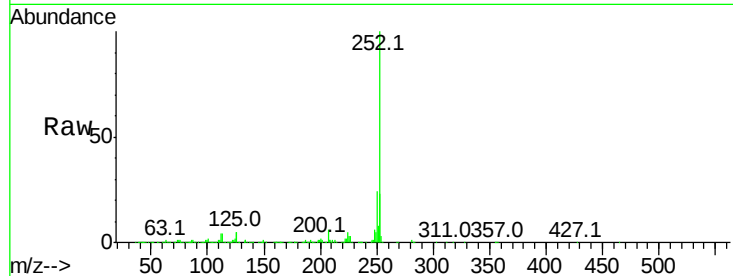
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	252	Resp:	702688
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.3	27.5
125	5.1	7.3	10.9#

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#90

Dibenzo(a,h)anthracene

Concen: 18.991 ng

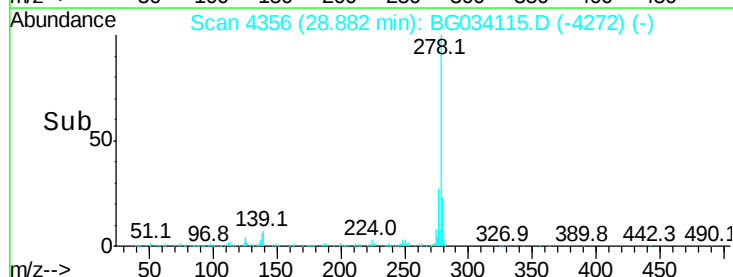
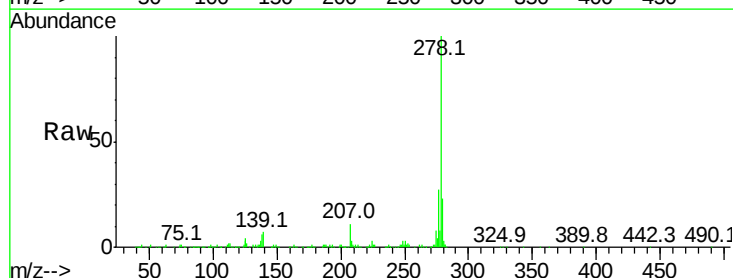
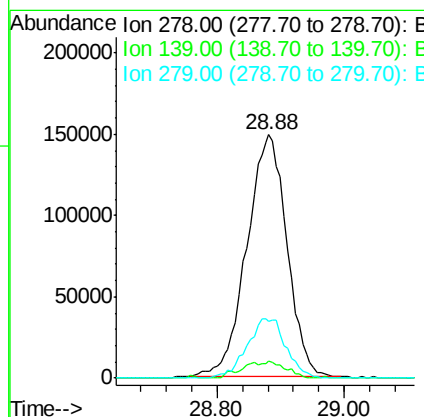
RT: 28.88 min Scan# 4356

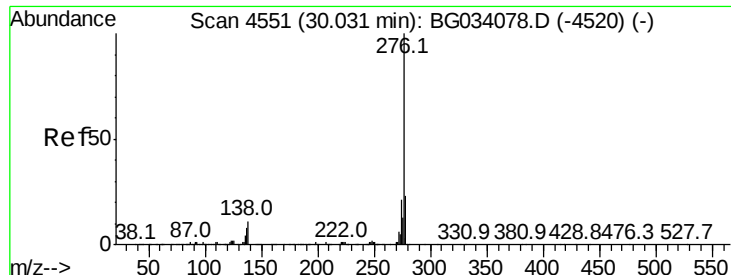
Delta R.T. -0.04 min

Lab File: BG034115.D

Acq: 2 May 2018 14:22

Tgt Ion:	278	Resp:	652273
Ion Ratio	Lower	Upper	
278	100		
139	6.8	9.8	14.6#
279	23.3	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 19.841 ng
 RT: 29.97 min Scan# 4541
 Delta R.T. -0.06 min
 Lab File: BG034115.D
 Acq: 2 May 2018 14:22

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.3	27.5
138	10.2	13.9	20.9

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