

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037452.D
 Acq On : 19 Oct 2018 14:00
 Operator : JU/SJ
 Sample : J5164-02
 Misc : LOQ 20PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Manual Integrations
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 10/22/2018 3:38:05 PM

Quant Time: Oct 20 00:19:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	54001	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	248551	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	165730	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	396729	20.00	ng	0.00
76) Chrysene-d12	21.77	240	362661	20.00	ng	0.00
87) Perylene-d12	25.11	264	373007	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	463777	143.58	ng	0.00
7) Phenol-d6	7.25	99	671421	137.47	ng	0.00
23) Nitrobenzene-d5	9.29	82	365666	82.41	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	252191	139.52	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	884420	80.47	ng	0.00
79) Terphenyl-d14	20.09	244	1322622	77.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	27189	16.599	ng	99
3) Pyridine	3.94	79	78272	18.959	ng	90
4) n-Nitrosodimethylamine	3.86	42	32960	22.414	ng	98
6) Aniline	7.43	93	100762	16.911	ng	95
8) 2-Chlorophenol	7.67	128	78100	20.669	ng	96
9) Benzaldehyde	7.25	77	54283	17.767	ng	91
10) Phenol	7.28	94	108378	21.031	ng	97
11) bis(2-Chloroethyl)ether	7.52	93	75594	19.314	ng	94
12) 1,3-Dichlorobenzene	7.99	146	82626	19.642	ng	98
13) 1,4-Dichlorobenzene	8.14	146	82969	19.282	ng	99
14) 1,2-Dichlorobenzene	8.46	146	79779	19.274	ng	97
15) Benzyl Alcohol	8.35	79	72078	19.972	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.64	45	140710	20.092	ng	96
17) 2-Methylphenol	8.54	107	71821	21.081	ng	97
18) Hexachloroethane	9.19	117	28626	19.514	ng	88
19) n-Nitroso-di-n-propylamine	8.91	70	64606	19.209	ng	92
20) 3+4-Methylphenols	8.86	107	99406	20.408	ng	97
22) Acetophenone	8.93	105	123529	19.817	ng	# 99
24) Nitrobenzene	9.32	77	93298	20.241	ng	99
25) Isophorone	9.84	82	184189	22.720	ng	99
26) 2-Nitrophenol	10.04	139	40288	19.402	ng	98
27) 2,4-Dimethylphenol	10.07	122	85343	23.019	ng	99
28) bis(2-Chloroethoxy)methane	10.33	93	112427	21.167	ng	98
29) 2,4-Dichlorophenol	10.56	162	83979	20.344	ng	97
30) 1,2,4-Trichlorobenzene	10.79	180	87739	19.545	ng	94
31) Naphthalene	10.98	128	262999	21.543	ng	99
32) Benzoic acid	10.16	122	39746m	16.506	ng	
33) 4-Chloroaniline	11.09	127	87094	15.183	ng	98
34) Hexachlorobutadiene	11.24	225	49869	18.744	ng	96
35) Caprolactam	11.86	113	30802	18.605	ng	94
36) 4-Chloro-3-methylphenol	12.18	107	94580	20.317	ng	100
37) 2-Methylnaphthalene	12.58	142	197655	22.210	ng	99
38) 1-Methylnaphthalene	12.79	142	190303	22.019	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	100177	18.740	ng	98

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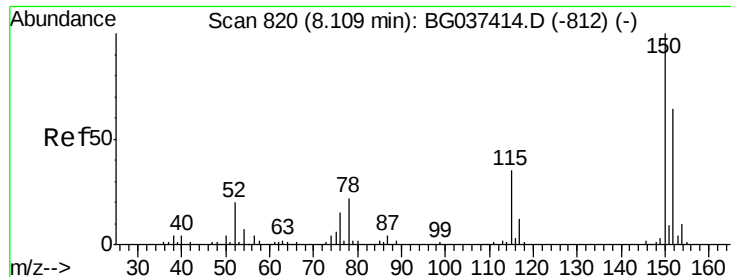
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	57673	22.586	ng	99
43) 2,4,6-Trichlorophenol	13.17	196	69334	19.414	ng	96
44) 2,4,5-Trichlorophenol	13.24	196	80690	20.752	ng	97
46) 1,1'-Biphenyl	13.58	154	257690	18.775	ng	99
47) 2-Chloronaphthalene	13.62	162	203707	19.618	ng	97
48) 2-Nitroaniline	13.83	65	61717	19.600	ng	98
49) Acenaphthylene	14.46	152	342197	21.908	ng	99
50) Dimethylphthalate	14.19	163	269867	21.049	ng	99
51) 2,6-Dinitrotoluene	14.32	165	57787	20.374	ng	95
52) Acenaphthene	14.80	154	194427	20.211	ng	99
53) 3-Nitroaniline	14.65	138	55376	17.587	ng	# 94
54) 2,4-Dinitrophenol	14.85	184	11394	20.724	ng	92
55) Dibenzofuran	15.14	168	325446	20.419	ng	99
56) 4-Nitrophenol	14.93	139	43863	18.820	ng	93
57) 2,4-Dinitrotoluene	15.10	165	79346	21.312	ng	96
58) Fluorene	15.79	166	262523	21.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.35	232	66999	20.124	ng	98
60) Diethylphthalate	15.54	149	272331	20.689	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	136081	19.561	ng	97
62) 4-Nitroaniline	15.81	138	64403	20.584	ng	93
63) Azobenzene	16.07	77	263065	20.946	ng	97
65) 4,6-Dinitro-2-methylphenol	15.86	198	28948	19.948	ng	97
66) n-Nitrosodiphenylamine	15.99	169	235019	19.694	ng	98
67) 4-Bromophenyl-phenylether	16.67	248	84027	19.287	ng	99
68) Hexachlorobenzene	16.78	284	86729	19.207	ng	97
69) Atrazine	16.93	200	88004	20.397	ng	98
70) Pentachlorophenol	17.13	266	40850	13.506	ng	98
71) Phenanthrene	17.53	178	438945	21.770	ng	97
72) Anthracene	17.62	178	444639	22.471	ng	99
73) Carbazole	17.89	167	400536	20.236	ng	99
74) Di-n-butylphthalate	18.43	149	475098	21.578	ng	98
75) Fluoranthene	19.53	202	511616	22.372	ng	99
77) Benzidine	19.72	184	89606	7.266	ng	97
78) Pyrene	19.89	202	516039	21.767	ng	98
80) Butylbenzylphthalate	20.77	149	199717	20.584	ng	97
81) Benzo(a)anthracene	21.75	228	468609	21.845	ng	100
82) 3,3'-Dichlorobenzidine	21.67	252	121690	14.636	ng	97
83) Chrysene	21.82	228	439649	21.315	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	278579	20.483	ng	97
85) Di-n-octyl phthalate	22.88	149	461855	20.825	ng	98
86) Indeno(1,2,3-cd)pyrene	28.92	276	439875	19.883	ng	99
88) Benzo(b)fluoranthene	24.03	252	437362	21.387	ng	99
89) Benzo(k)fluoranthene	24.11	252	445039	22.213	ng	97
90) Benzo(a)pyrene	24.95	252	429297	22.092	ng	99
91) Dibenzo(a,h)anthracene	29.00	278	367993	20.530	ng	97
92) Benzo(g,h,i)perylene	30.13	276	367101	20.244	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 820

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

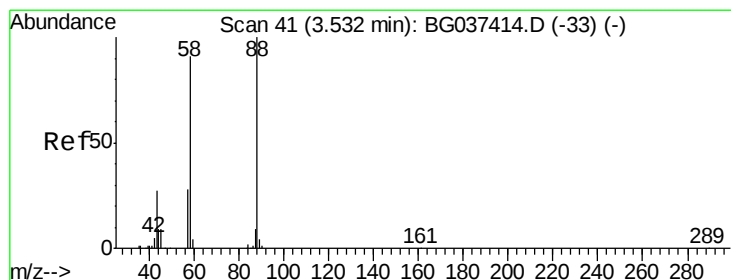
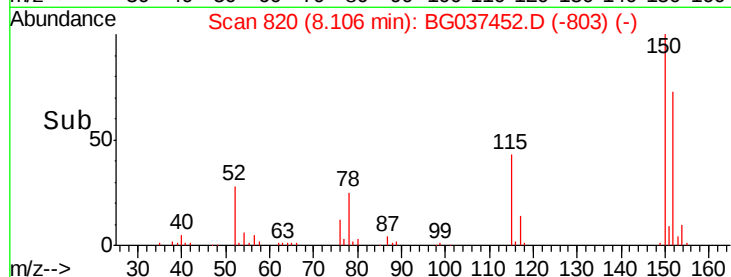
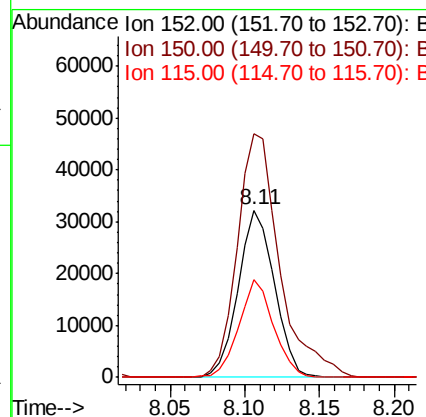
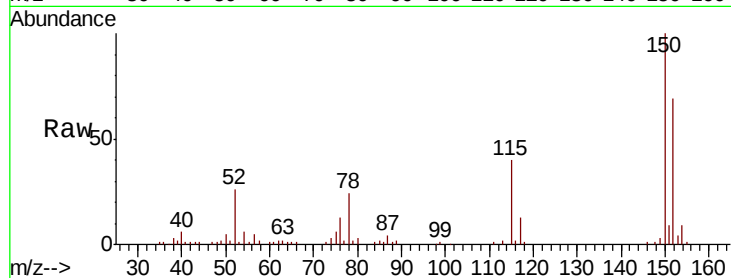
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	152	Resp:	54001
Ion Ratio	Lower	Upper	
152	100		
150	146.0	126.0	189.0
115	58.5	45.5	68.3

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#2

1,4-Dioxane

Concen: 16.599 ng

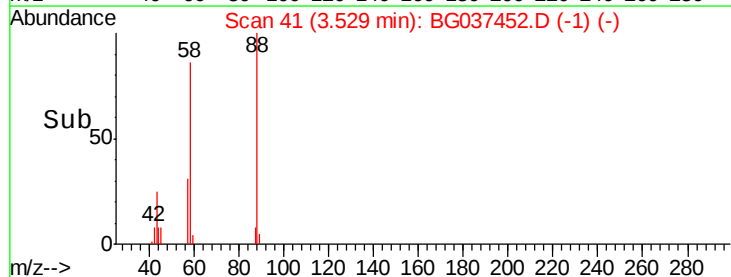
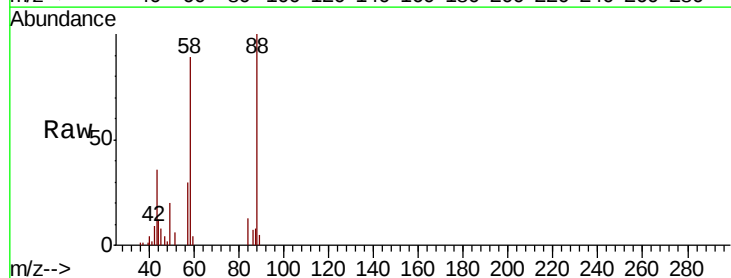
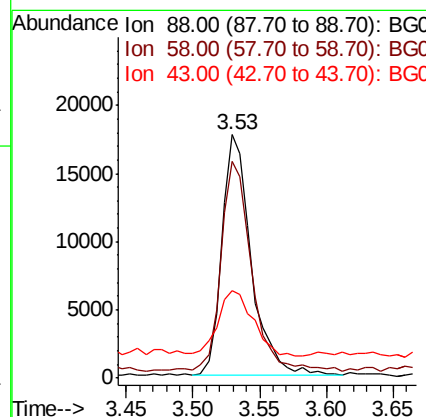
RT: 3.53 min Scan# 41

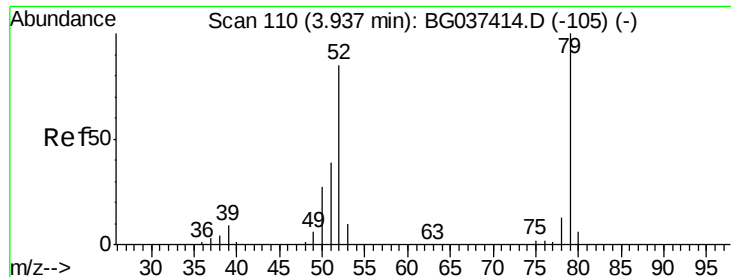
Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	88	Resp:	27189
Ion Ratio	Lower	Upper	
88	100		
58	92.3	74.4	111.6
43	33.2	25.8	38.8





#3

Pyridine

Concen: 18.959 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

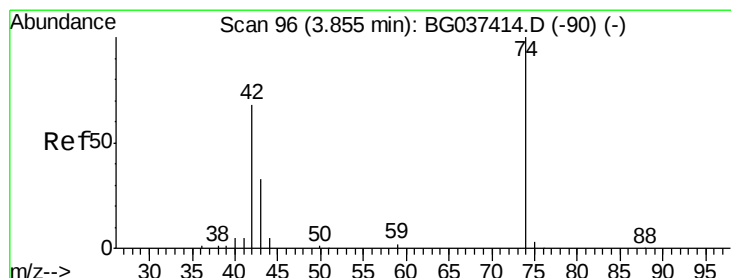
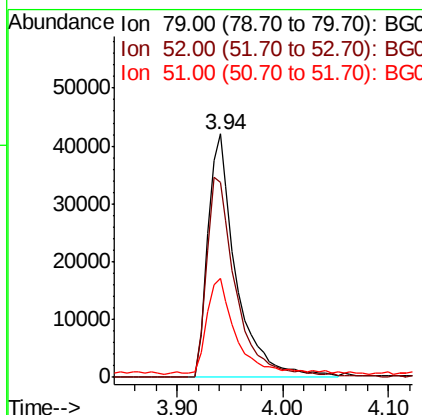
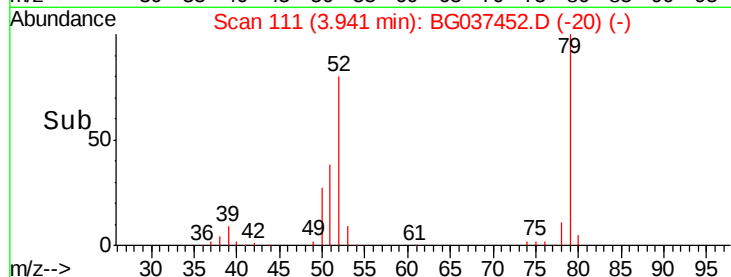
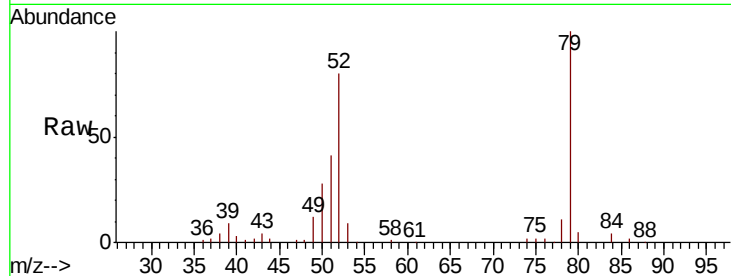
ClientSampleId :

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Tgt Ion:	79	Resp:	78272
Ion	Ratio	Lower	Upper
79	100		
52	80.1	74.2	111.2
51	40.8	34.6	51.8

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#4

n-Nitrosodimethylamine

Concen: 22.414 ng

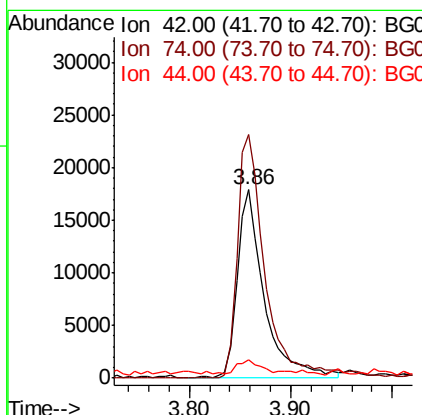
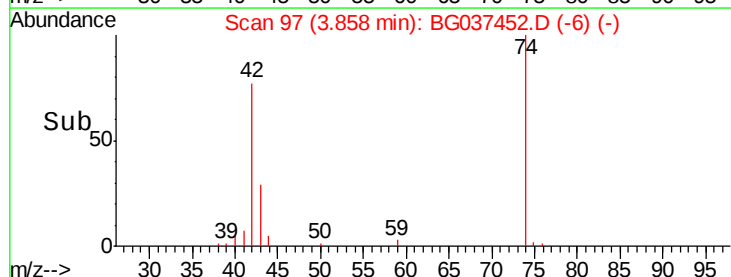
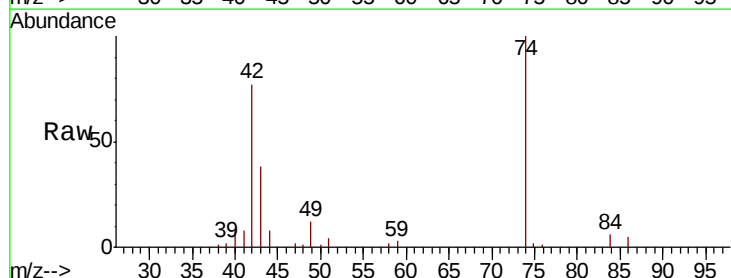
RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	42	Resp:	32960
Ion	Ratio	Lower	Upper
42	100		
74	129.3	102.0	153.0
44	9.7	9.6	14.4





#5

2-Fluorophenol

Concen: 143.584 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

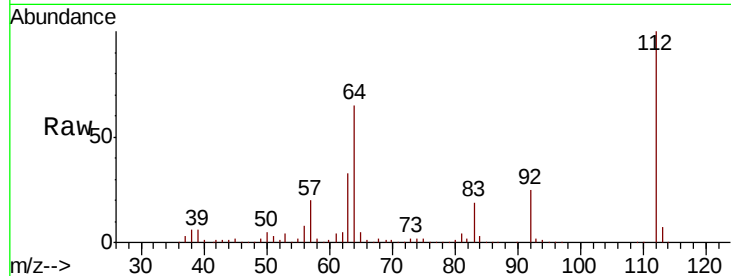
ClientSampleId :

LOQ-SOIL-02-QT4-2018

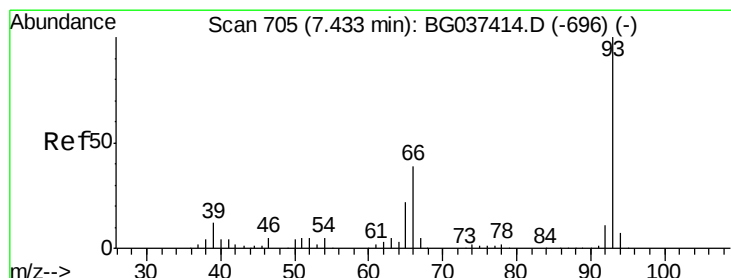
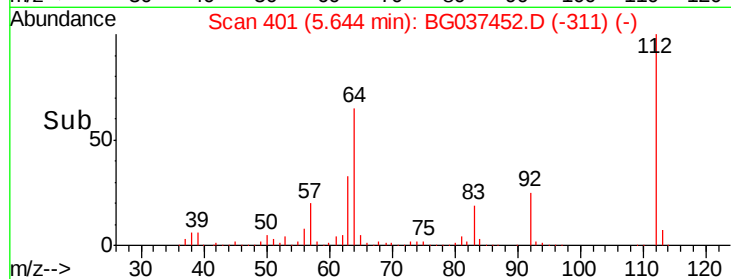
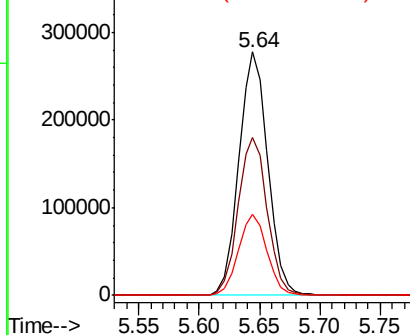
Tgt Ion:	112	Resp:	463777
Ion Ratio	Lower	Upper	
112	100		
64	65.0	53.1	79.7
63	33.0	27.3	40.9

Manual Integrations
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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 16.911 ng

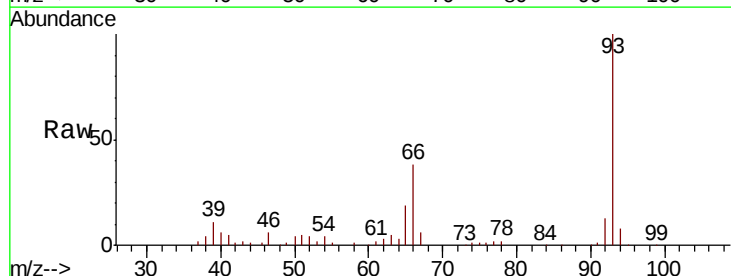
RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

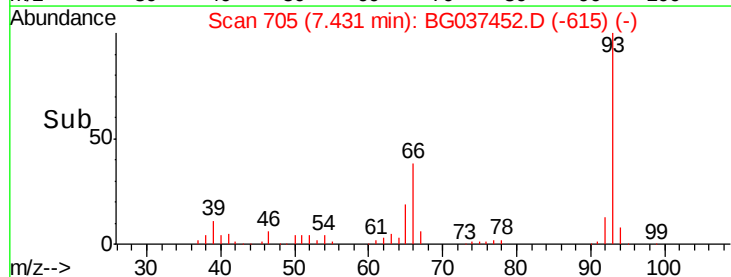
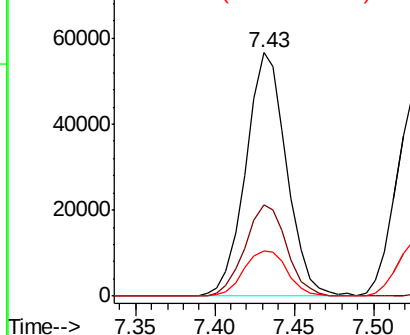
Lab File: BG037452.D

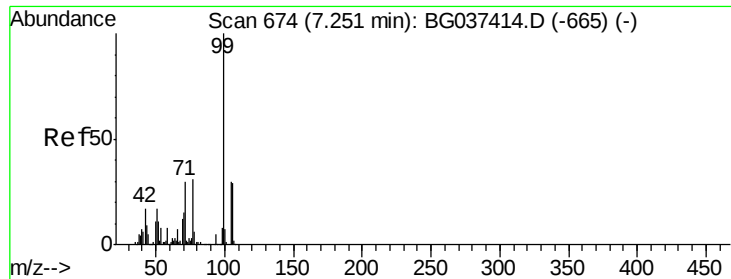
Acq: 19 Oct 2018 14:00

Tgt Ion:	93	Resp:	100762
Ion Ratio	Lower	Upper	
93	100		
66	37.7	32.8	49.2
65	18.6	16.4	24.6



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





#7

Phenol-d6

Concen: 137.469 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

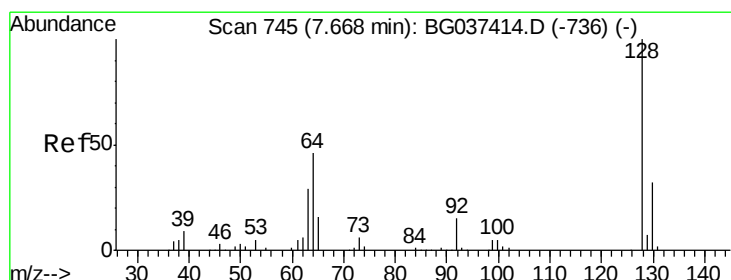
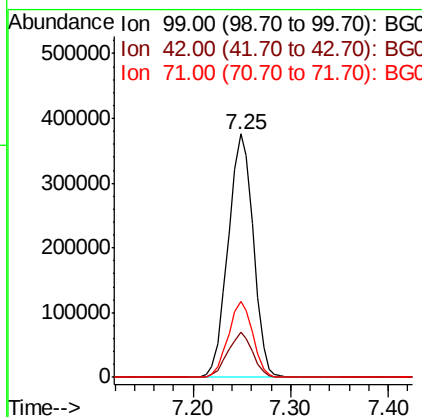
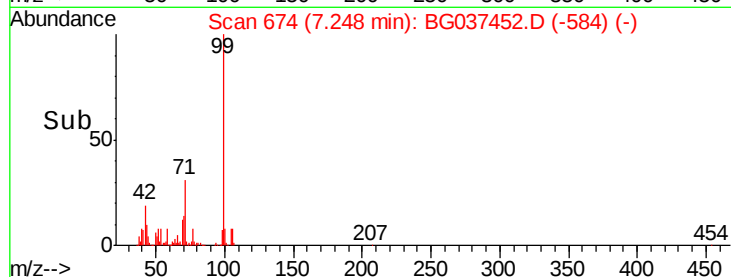
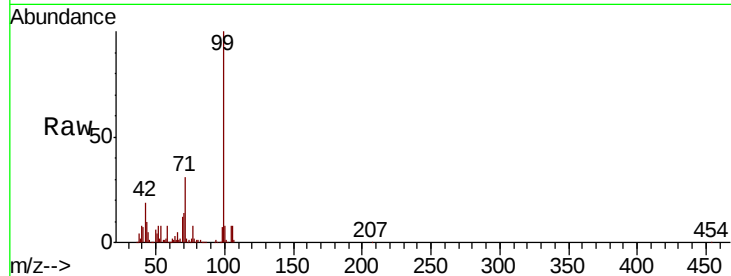
ClientSampleId :

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Tgt Ion:	99	Resp:	671421
Ion Ratio	Lower	Upper	
99	100		
42	18.7	15.0	22.4
71	31.0	25.5	38.3

Manual Integrations
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#8

2-Chlorophenol

Concen: 20.669 ng

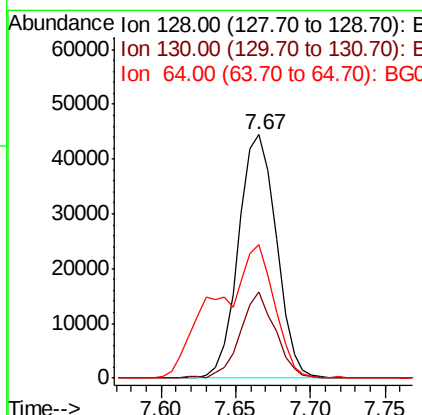
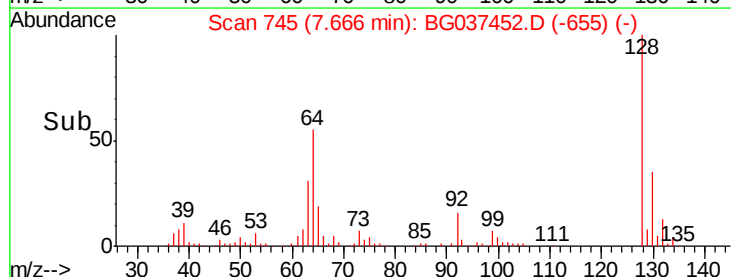
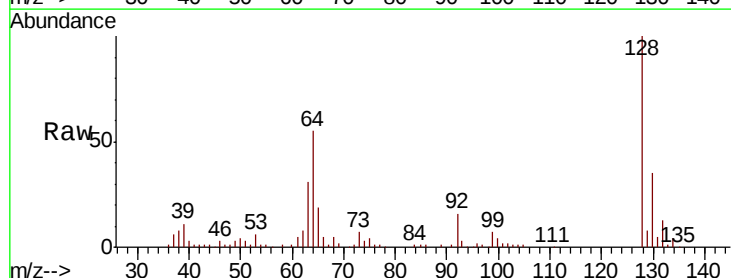
RT: 7.67 min Scan# 745

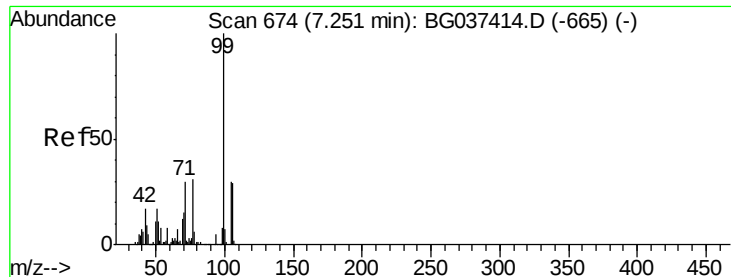
Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	128	Resp:	78100
Ion Ratio	Lower	Upper	
128	100		
130	35.4	12.0	52.0
64	54.9	32.9	72.9





#9

Benzaldehyde

Concen: 17.767 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037452.D

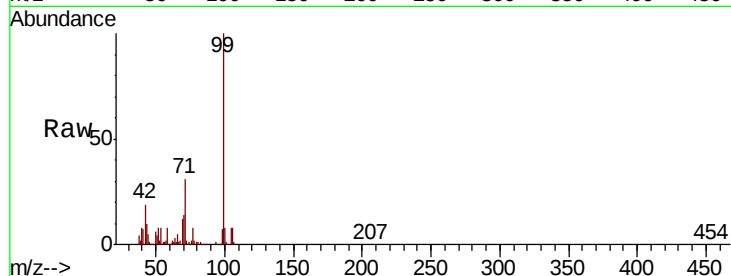
Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018



Tgt Ion: 77 Resp: 54283

Ion Ratio Lower Upper

77 100

105 101.1 72.6 112.6

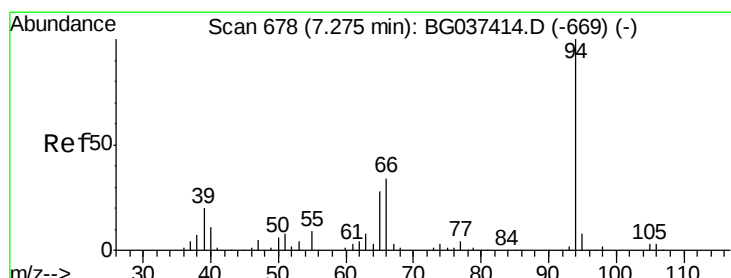
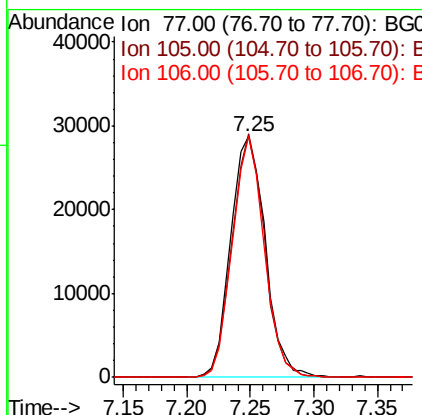
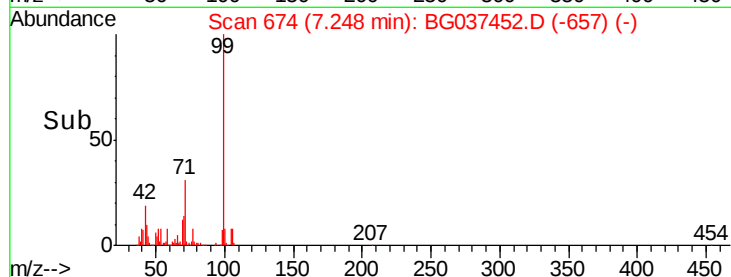
106 100.0 71.3 111.3

Manual Integrations

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#10

Phenol

Concen: 21.031 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

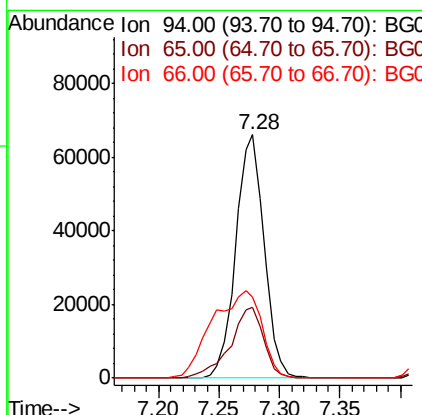
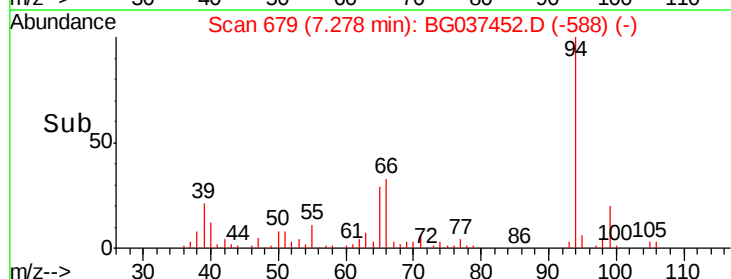
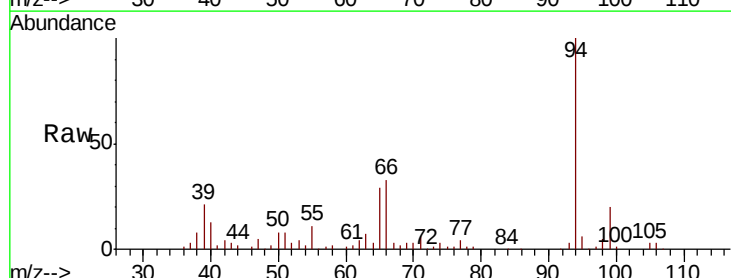
Tgt Ion: 94 Resp: 108378

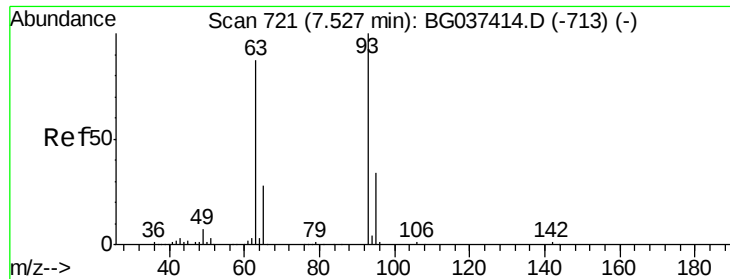
Ion Ratio Lower Upper

94 100

65 29.0 9.7 49.7

66 33.1 15.9 55.9





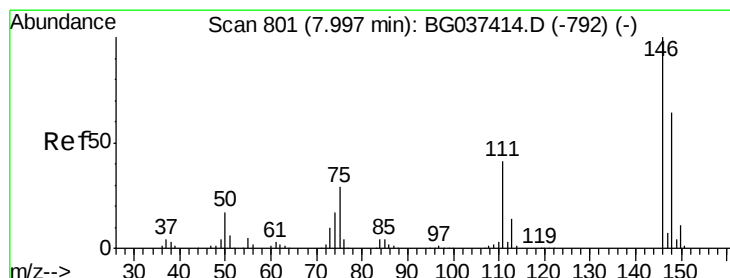
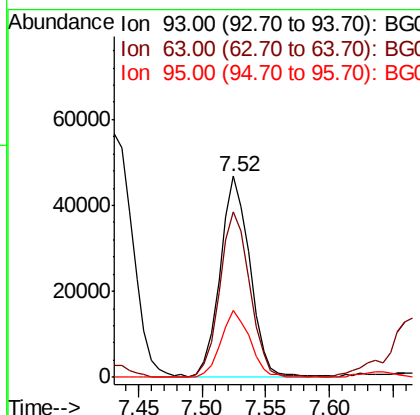
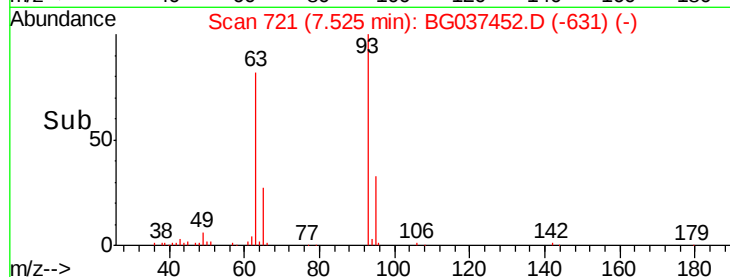
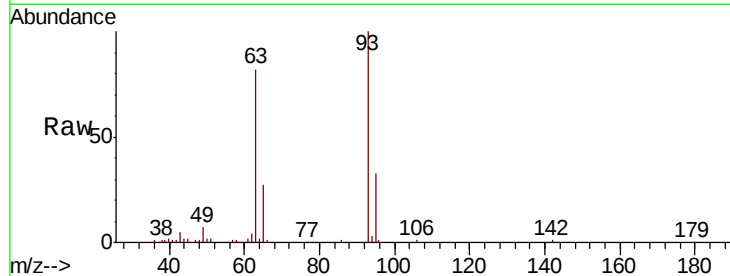
#11
 bis(2-Chloroethyl)ether
 Concen: 19.314 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
93	100		
63	82.3	69.5	109.5
95	33.1	12.6	52.6

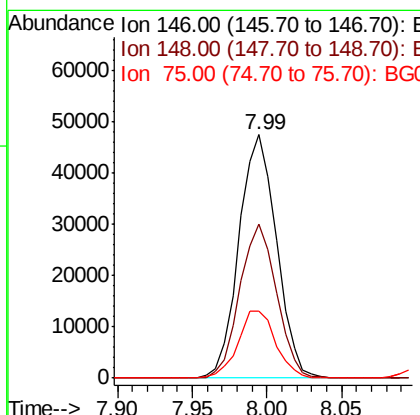
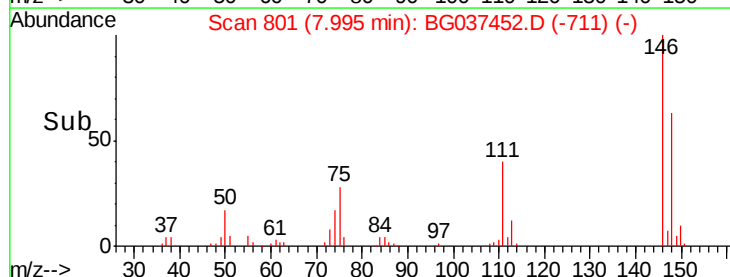
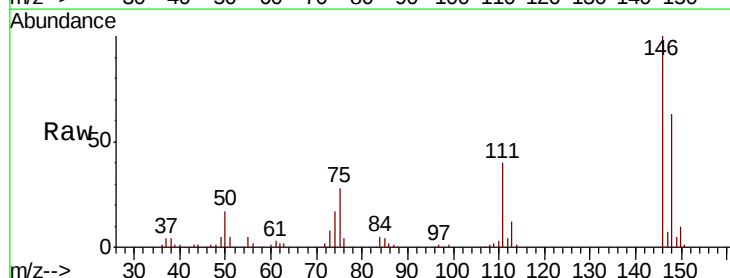
Manual Integrations
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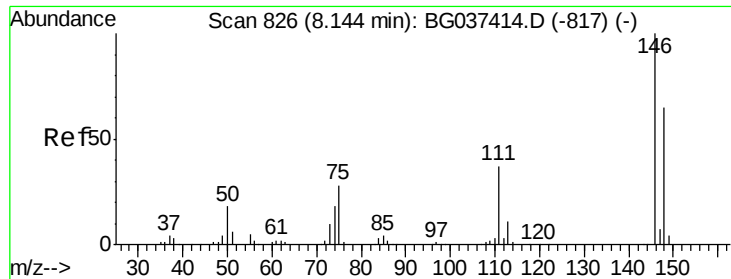
Sohil
 10/22/2018 3:38:05 PM



#12
 1,3-Dichlorobenzene
 Concen: 19.642 ng
 RT: 7.99 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	49.8	74.8
75	27.7	23.2	34.8





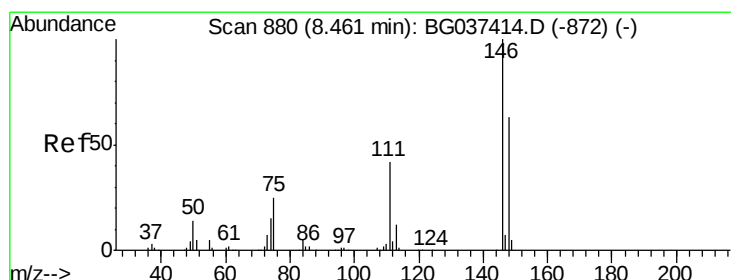
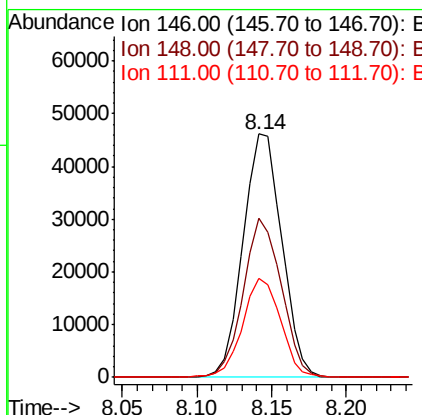
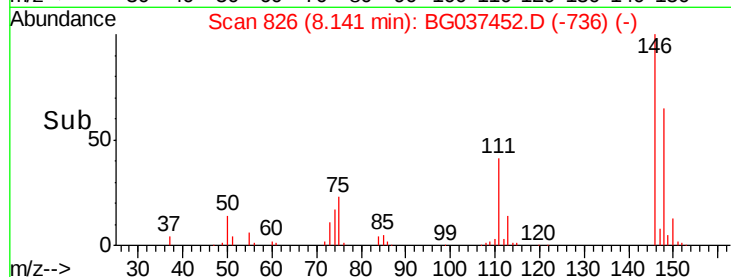
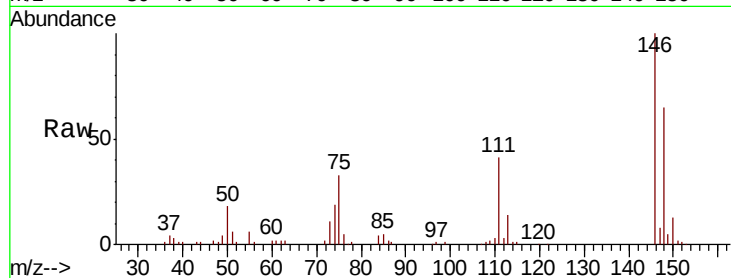
#13
 1,4-Dichlorobenzene
 Concen: 19.282 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.6
111	40.8	32.4	48.6

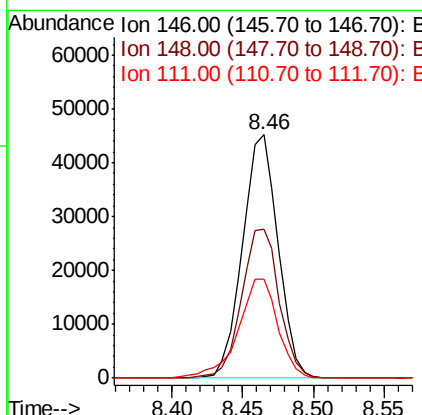
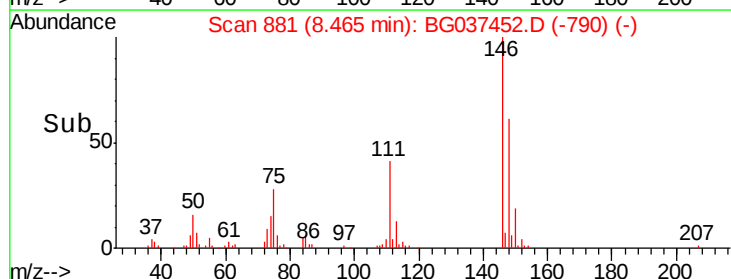
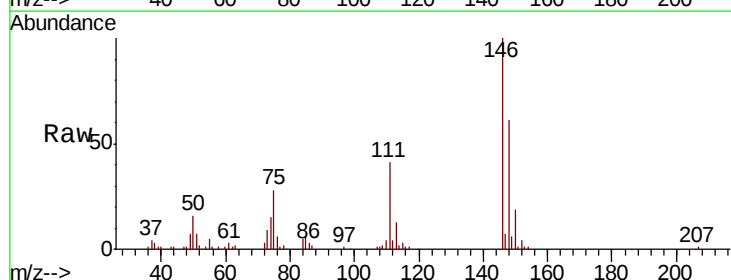
Manual Integrations
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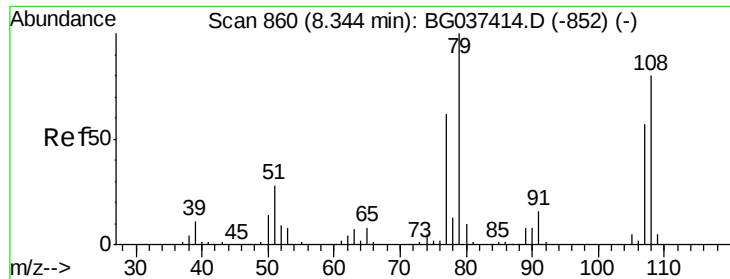
Sohil
 10/22/2018 3:38:05 PM



#14
 1,2-Dichlorobenzene
 Concen: 19.274 ng
 RT: 8.46 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.2	50.4	75.6
111	40.6	34.6	51.8





#15

Benzyl Alcohol

Concen: 19.972 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

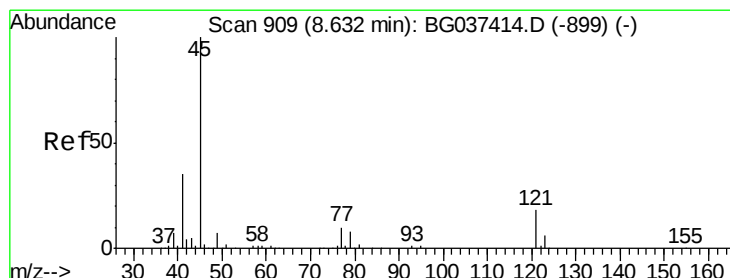
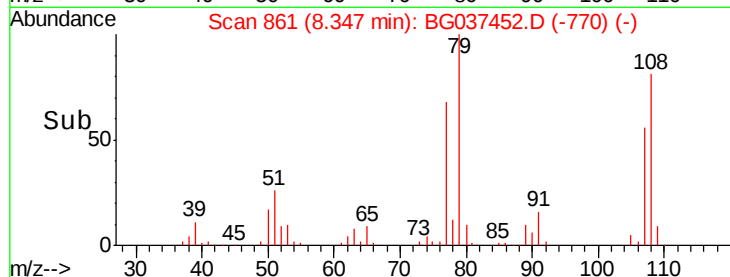
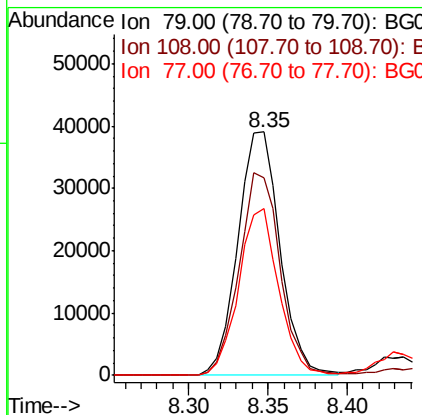
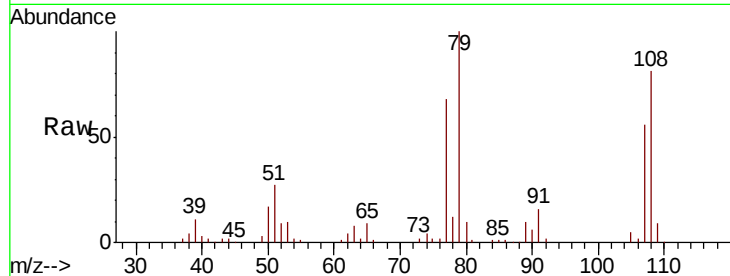
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	79	Resp:	72078
Ion Ratio	Lower	Upper	
79	100		
108	81.0	65.8	98.8
77	68.3	52.9	79.3

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.092 ng

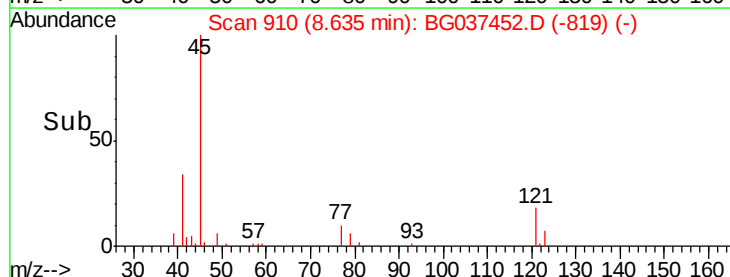
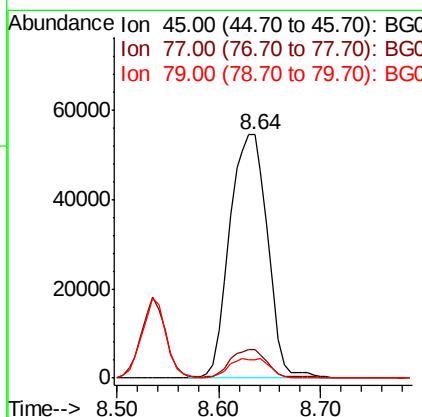
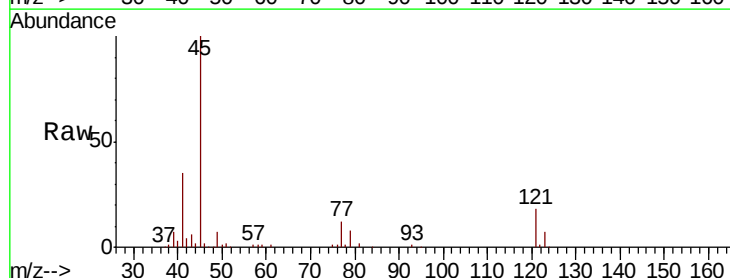
RT: 8.64 min Scan# 910

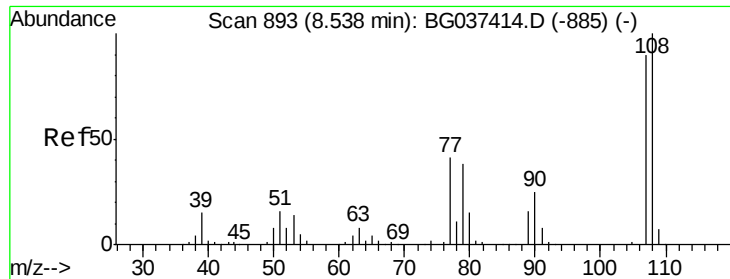
Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	45	Resp:	140710
Ion Ratio	Lower	Upper	
45	100		
77	11.9	0.0	30.0
79	7.8	0.0	29.0





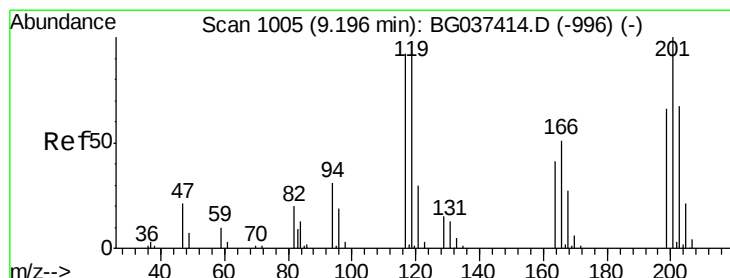
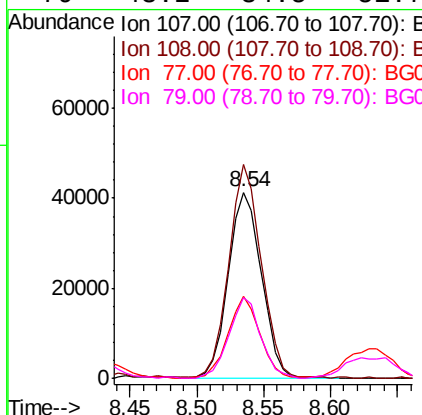
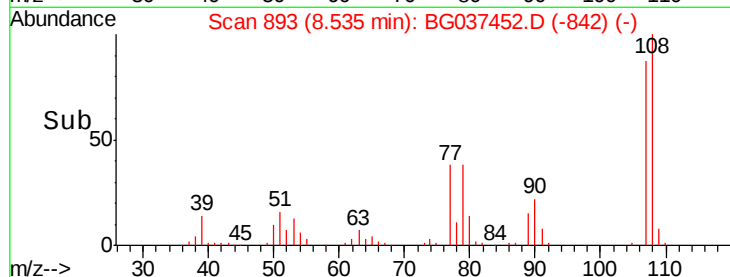
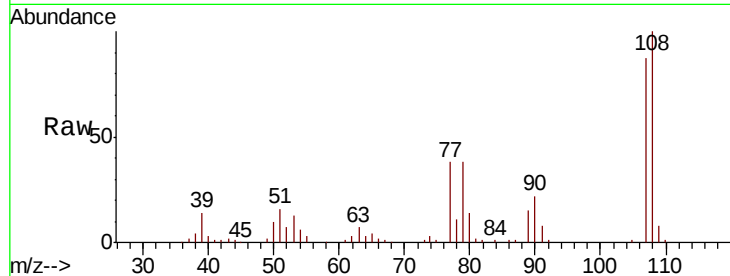
#17
2-Methylphenol
Concen: 21.081 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	71821		
108	115.0	87.9	131.9	
77	44.3	35.1	52.7	
79	43.2	34.5	51.7	

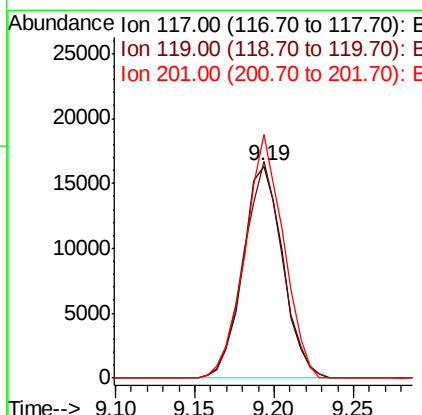
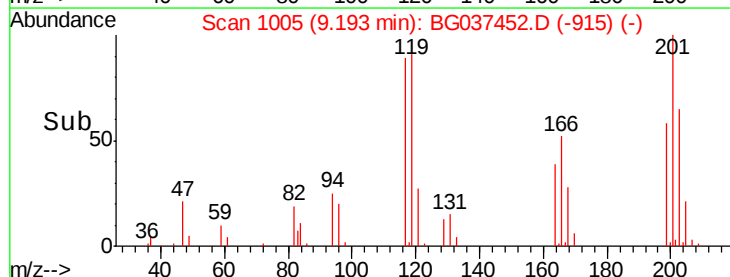
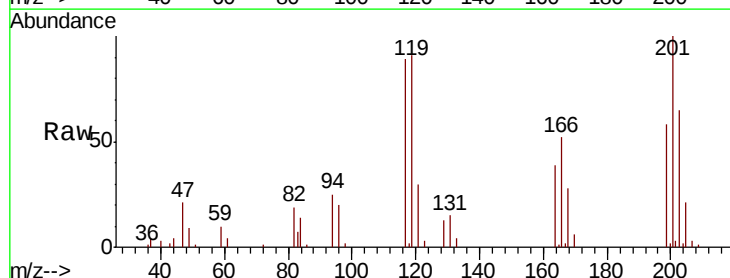
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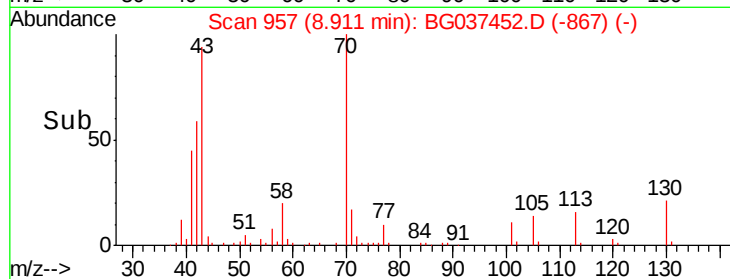
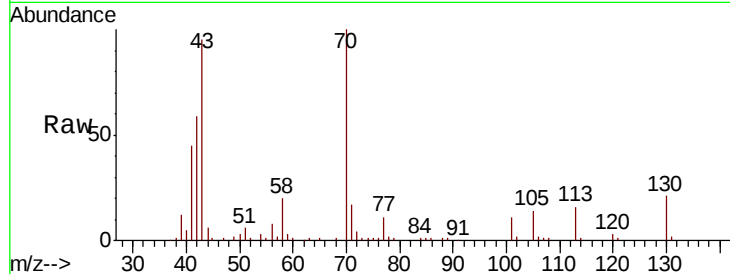
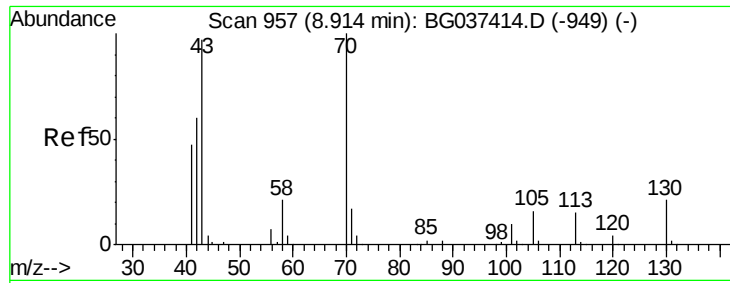
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#18
Hexachloroethane
Concen: 19.514 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28626		
119	102.1	74.6	111.8	
201	115.0	80.8	121.2	





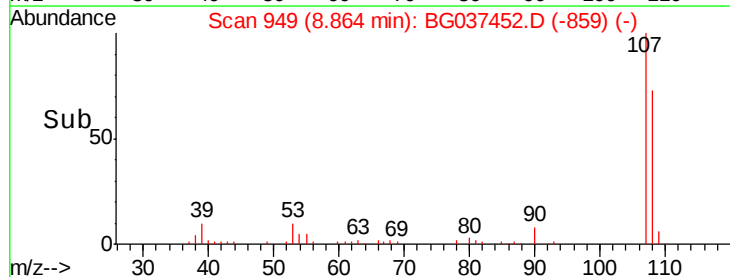
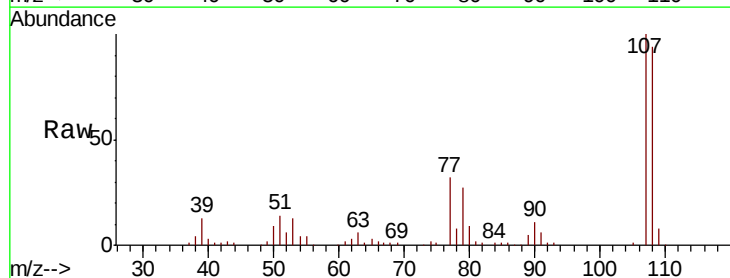
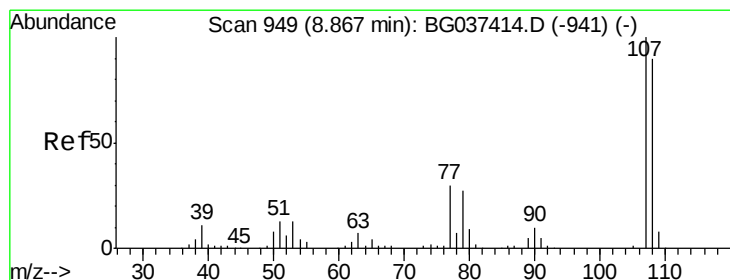
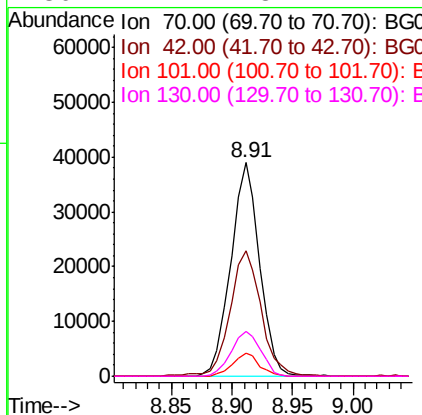
#19
n-Nitroso-di-n-propylamine
Concen: 19.209 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
70	100		
42	58.6	53.9	80.9
101	10.8	8.2	12.2
130	21.2	18.2	27.4

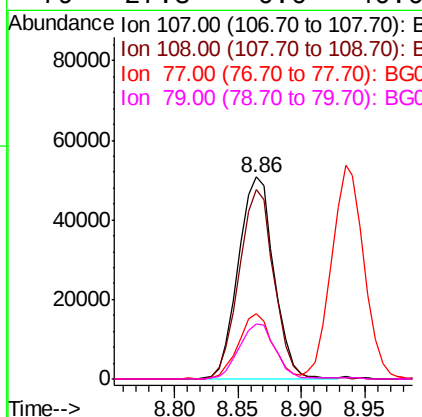
Manual Integrations
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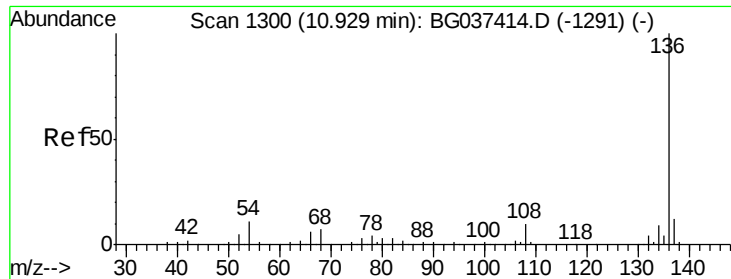
Sohil
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#20
3+4-Methylphenols
Concen: 20.408 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.6	69.9	109.9
77	32.1	11.2	51.2
79	27.3	6.6	46.6





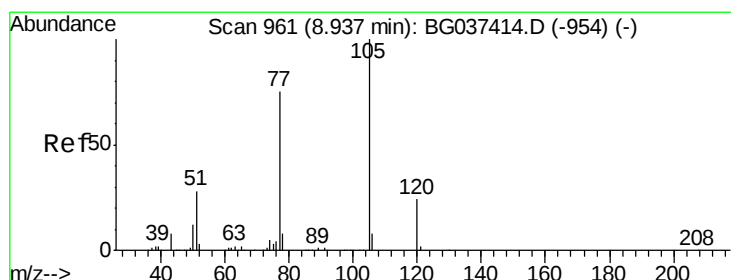
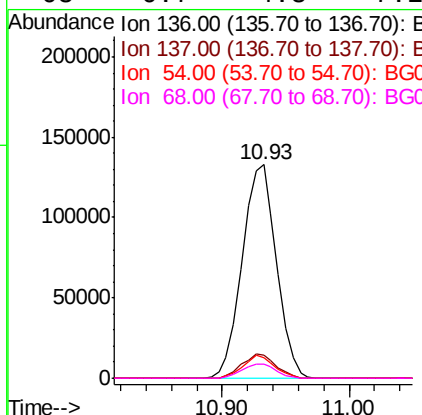
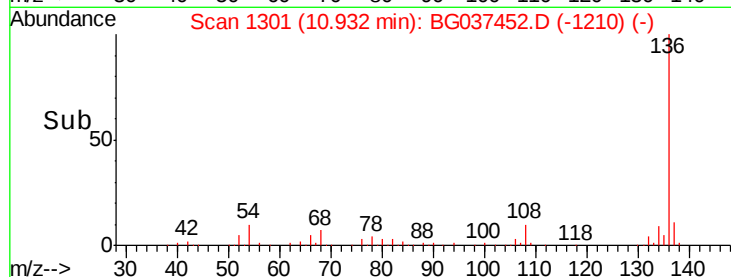
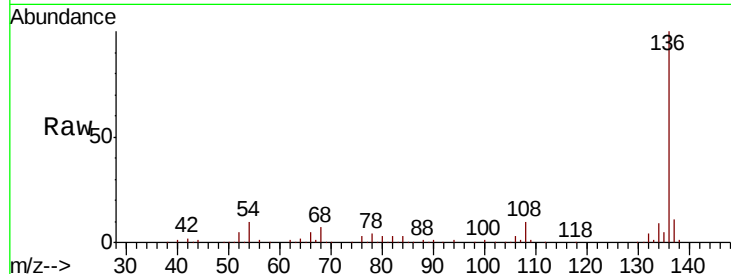
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	248551		
137	11.0	9.6	14.4	
54	9.8	7.9	11.9	
68	6.7	4.8	7.2	

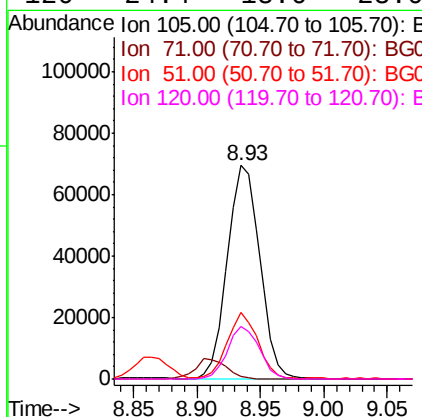
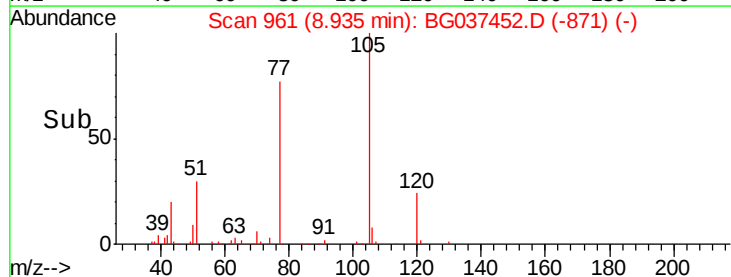
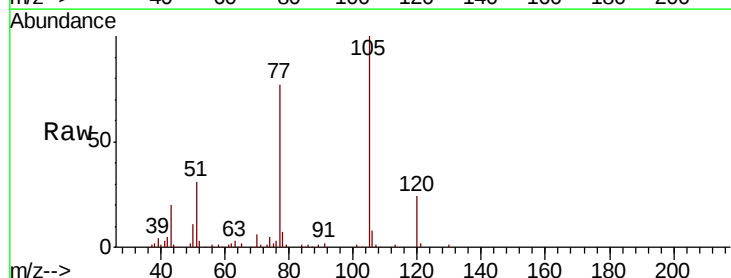
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#22
Acetophenone
Concen: 19.817 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123529		
71	0.9	1.2	1.8#	
51	31.0	25.0	37.6	
120	24.4	18.6	28.0	





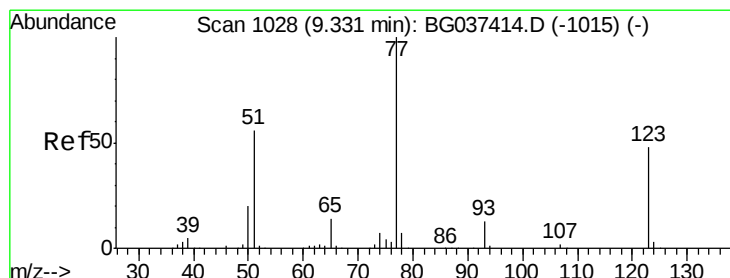
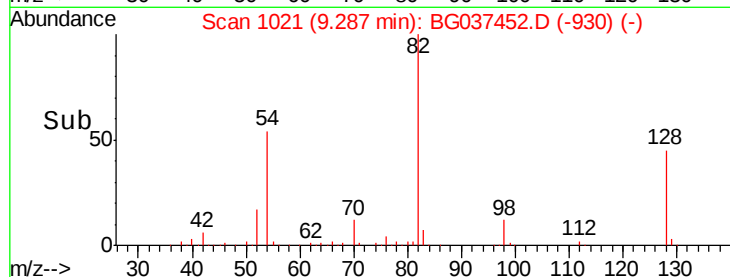
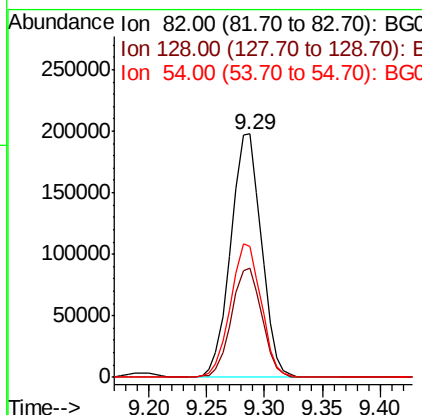
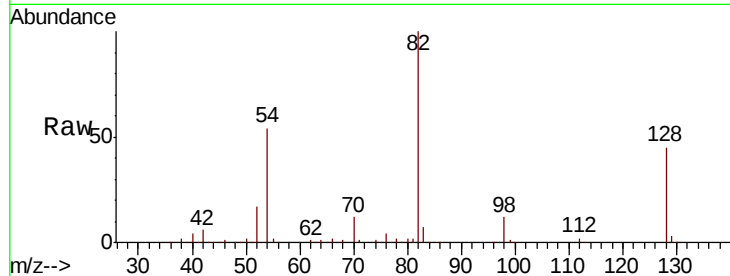
#23
 Nitrobenzene-d5
 Concen: 82.415 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	365666		
128	45.1	34.6	51.8	
54	53.8	45.3	67.9	

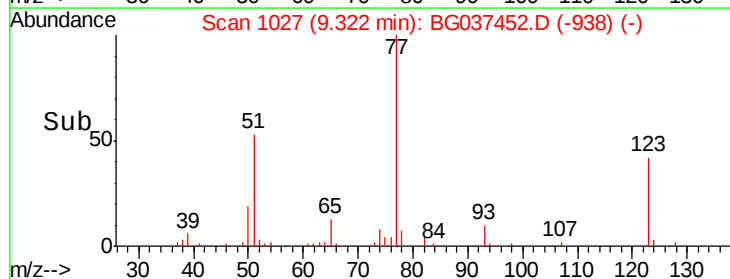
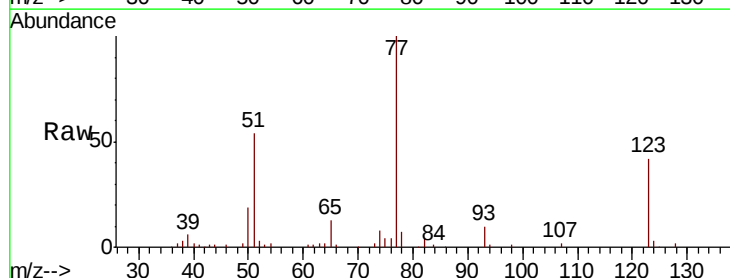
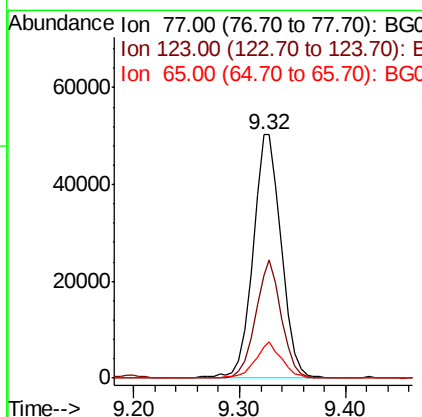
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#24
 Nitrobenzene
 Concen: 20.241 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	93298		
123	42.2	33.6	50.4	
65	12.8	11.3	16.9	





#25

Isophorone

Concen: 22.720 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

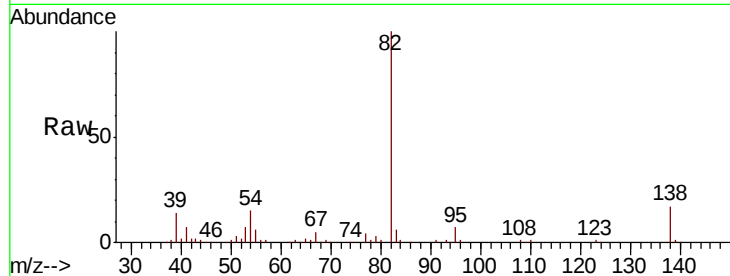
ClientSampleId :

LOQ-SOIL-02-QT4-2018

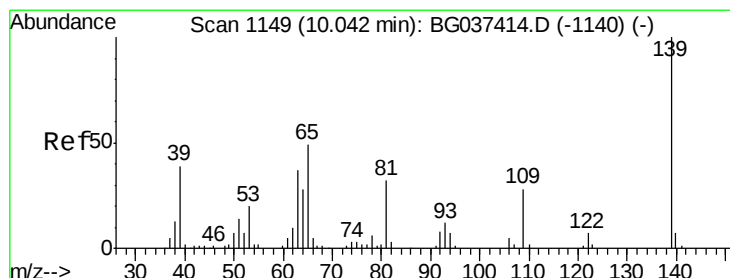
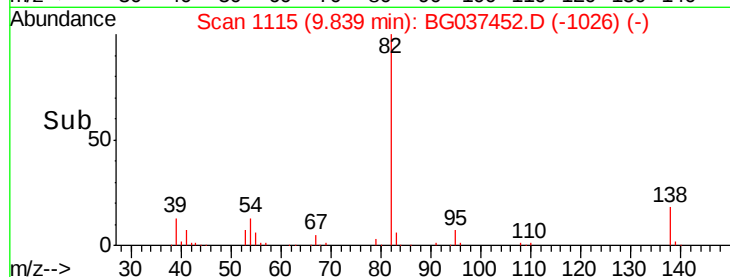
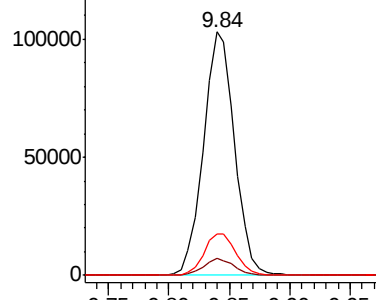
Tgt Ion:	82	Resp:	184189
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.3	7.9
138	17.0	13.3	19.9

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Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 19.402 ng

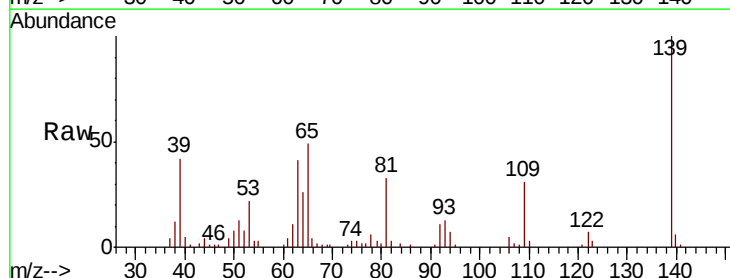
RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

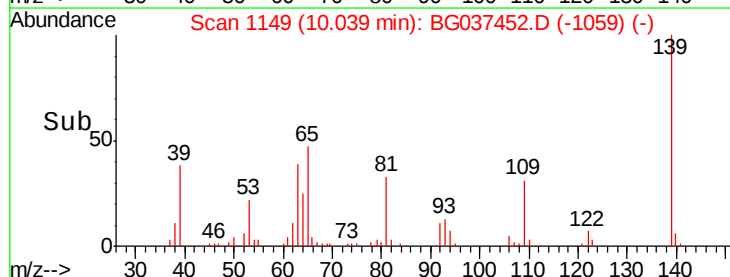
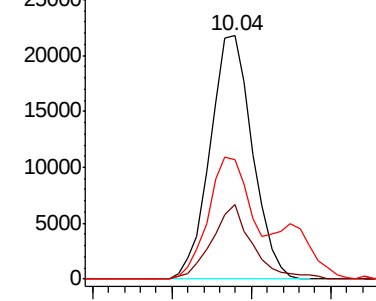
Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	139	Resp:	40288
Ion Ratio	Lower	Upper	
139	100		
109	30.7	23.3	34.9
65	48.8	39.8	59.8



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





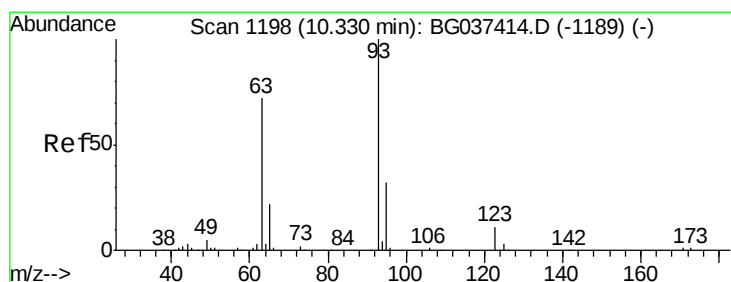
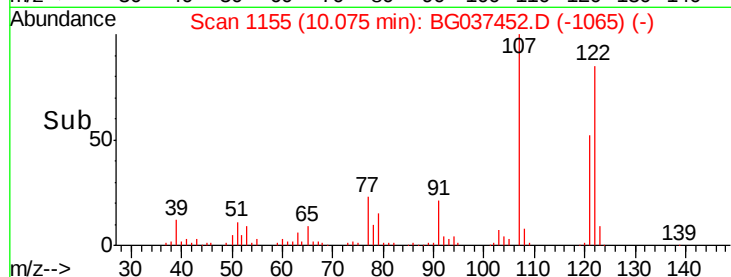
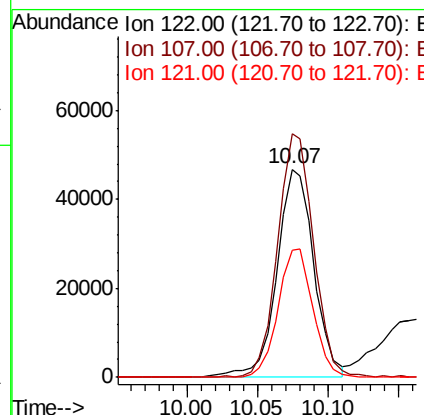
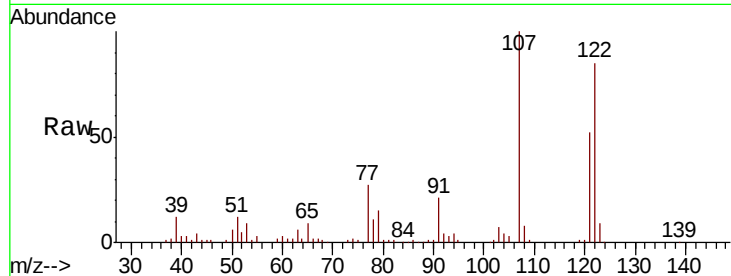
#27
2,4-Dimethylphenol
Concen: 23.019 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.0	94.2	141.2
121	61.3	47.3	70.9

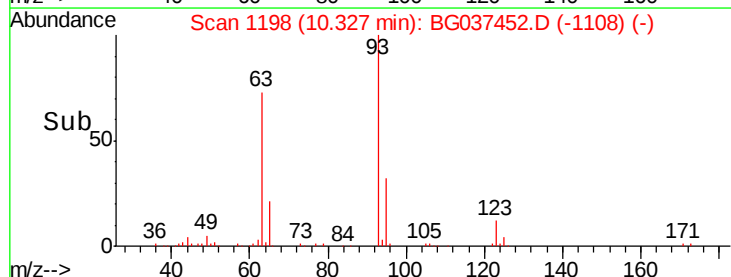
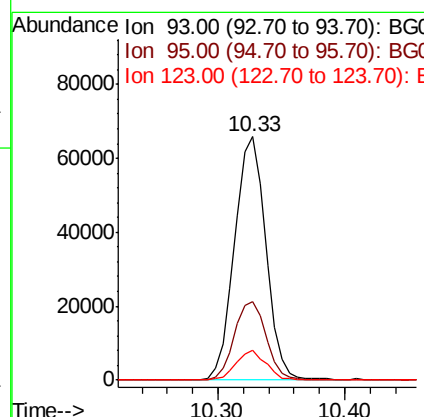
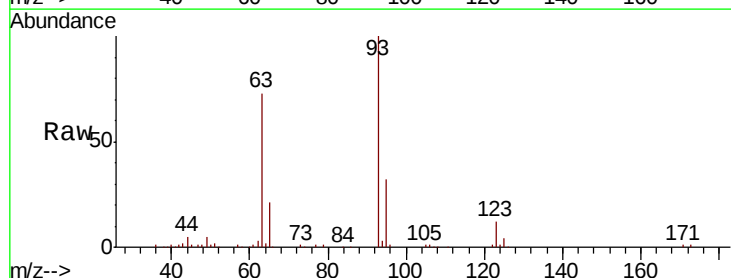
Manual Integrations
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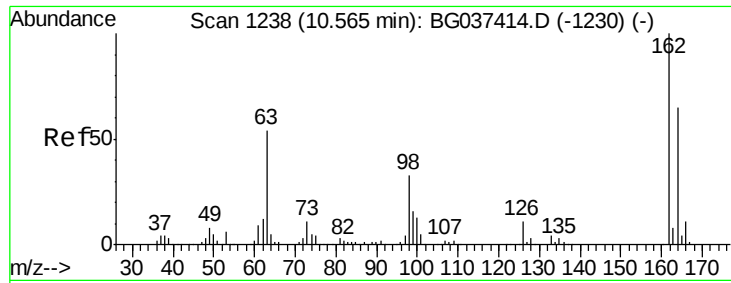
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 21.167 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	24.6	37.0
123	12.2	9.1	13.7





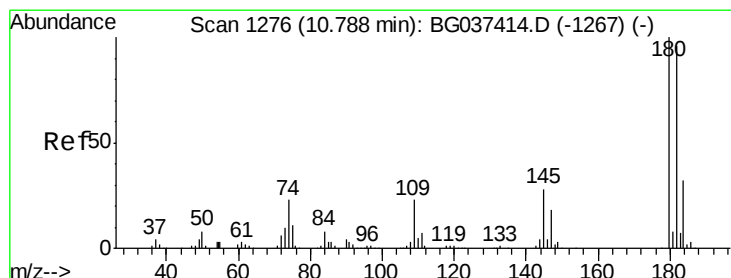
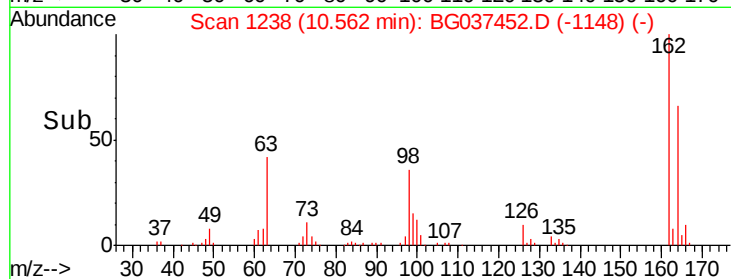
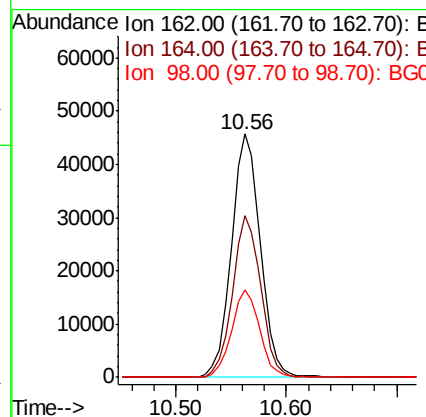
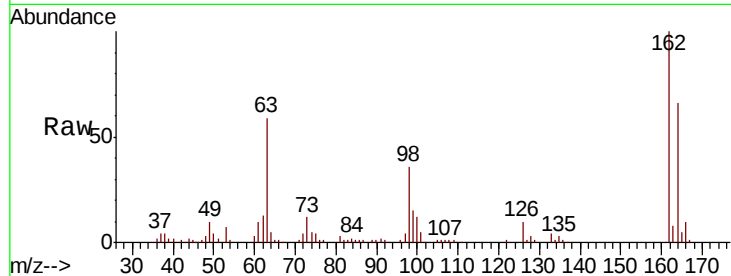
#29
 2,4-Dichlorophenol
 Concen: 20.344 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:	162	Resp:	83979
Ion Ratio	Lower	Upper	
162	100		
164	66.3	43.2	83.2
98	35.8	16.0	56.0

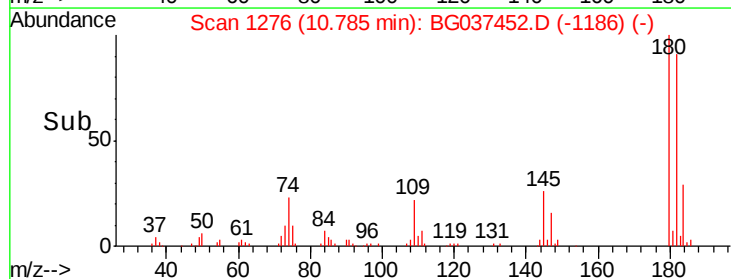
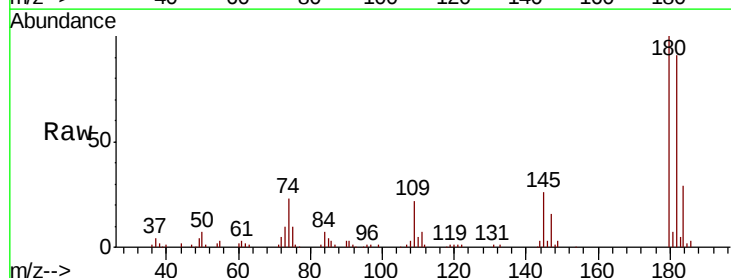
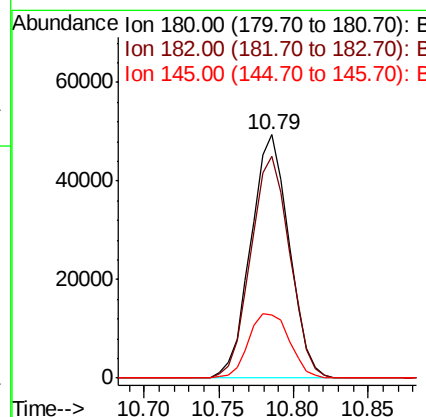
Manual Integrations
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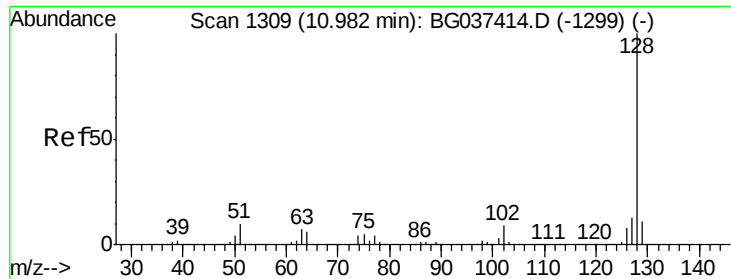
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 19.545 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:	180	Resp:	87739
Ion Ratio	Lower	Upper	
180	100		
182	91.1	77.7	116.5
145	26.1	23.3	34.9





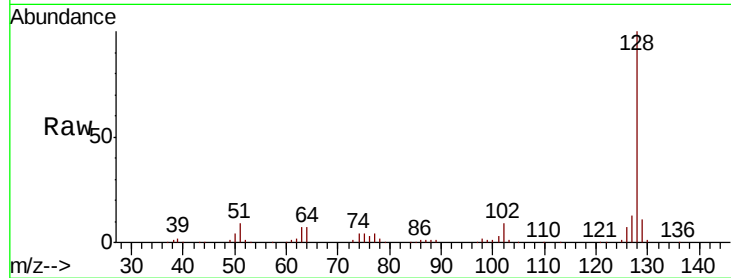
#31
Naphthalene
Concen: 21.543 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	262999		
129	10.7	9.0	13.6	
127	13.3	11.1	16.7	

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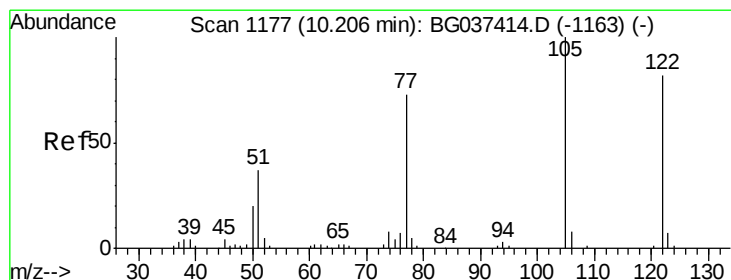
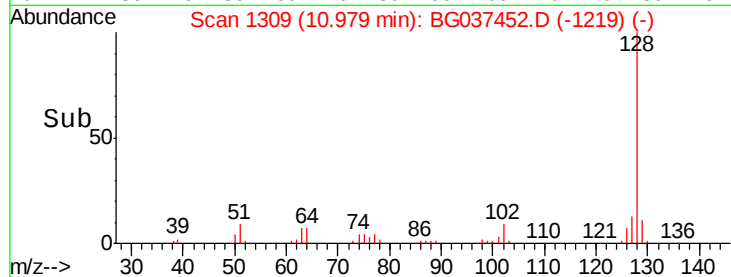
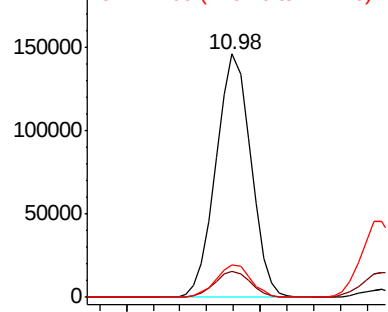


Abundance

Ion 128.00 (127.70 to 128.70): E

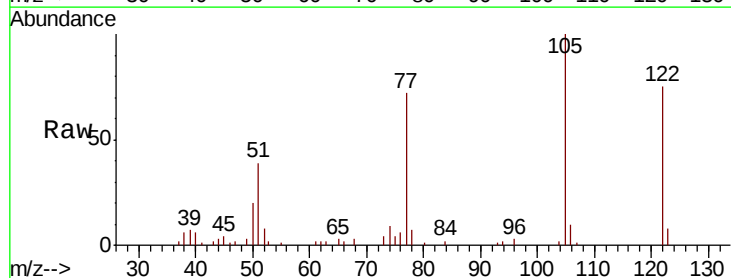
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 16.506 ng m
RT: 10.16 min Scan# 1170
Delta R.T. -0.04 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	39746		
105	133.7	106.7	146.7	
77	95.8	72.2	112.2	

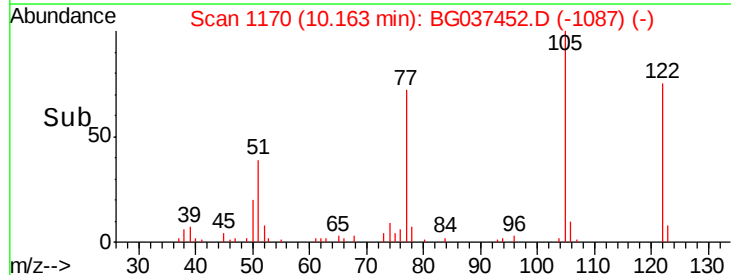
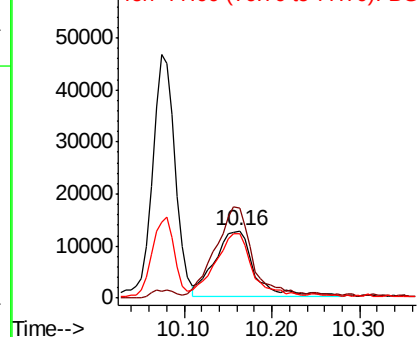


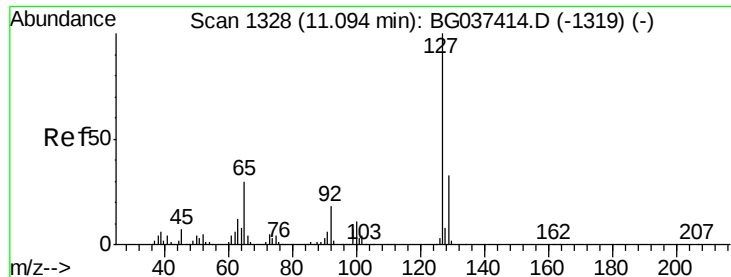
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





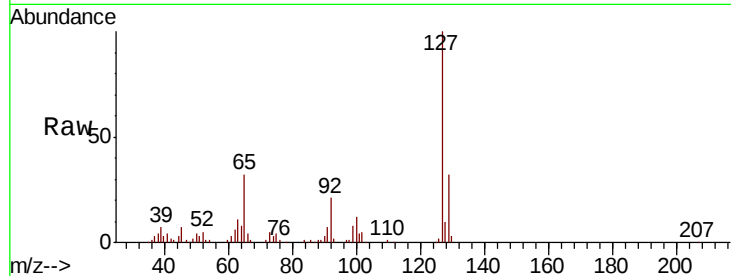
#33
4-Chloroaniline
Concen: 15.183 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	87094		
129	32.5	27.1	40.7	
65	31.7	26.6	39.8	
92	21.2	16.4	24.6	

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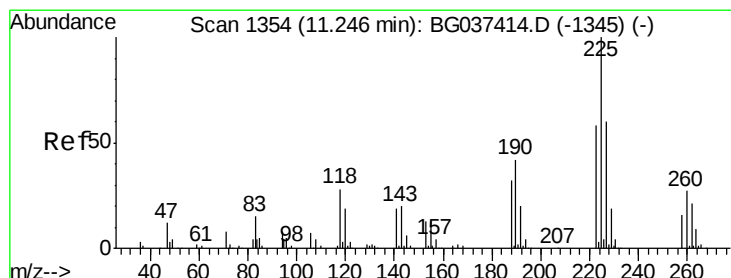
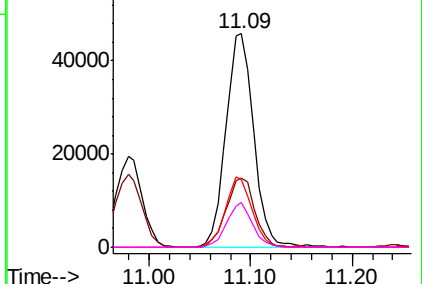
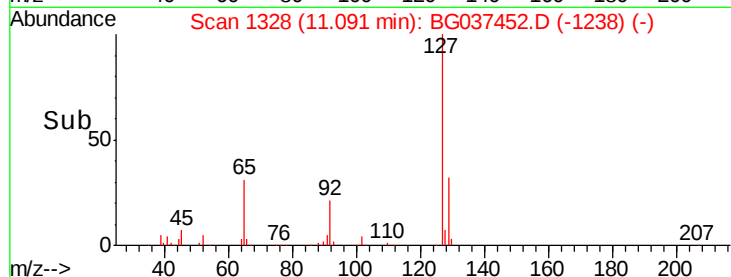
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

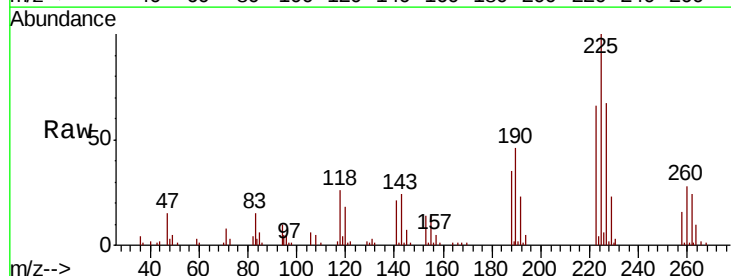
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 18.744 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49869		
223	66.4	48.2	72.4	
227	65.0	51.6	77.4	

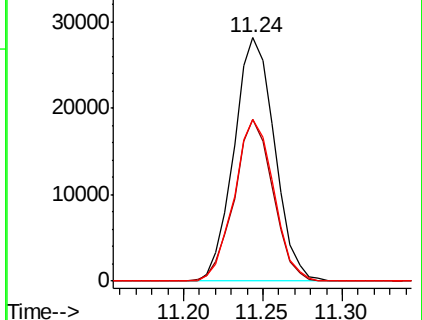
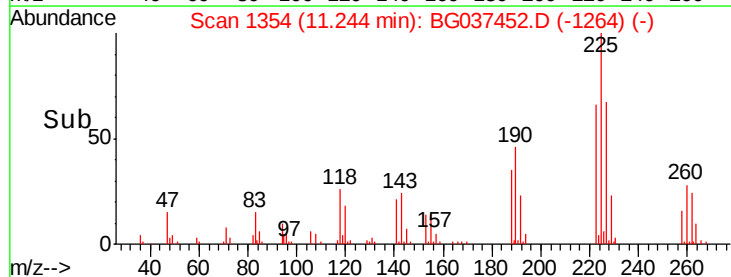


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





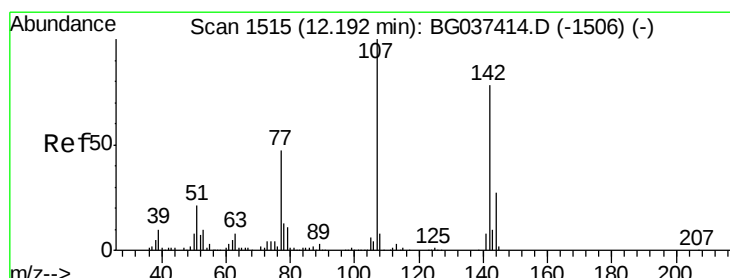
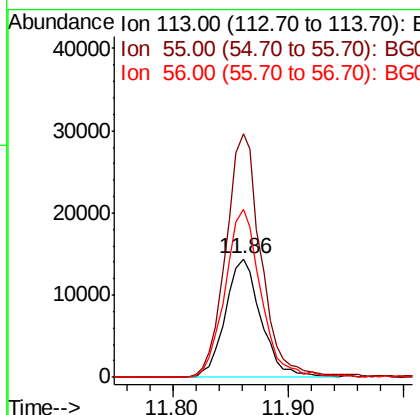
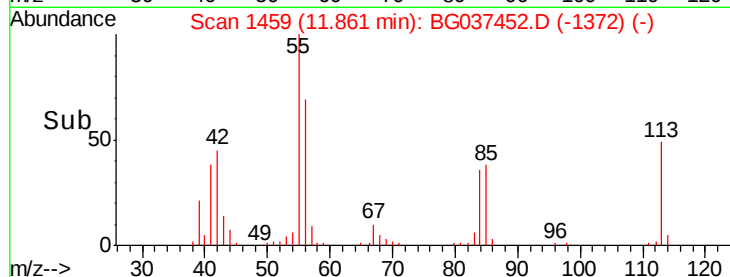
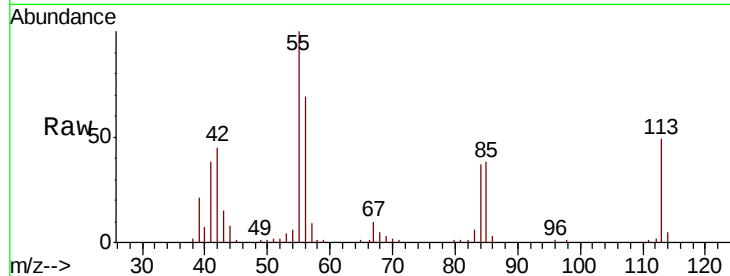
#35
 Caprolactam
 Concen: 18.605 ng
 RT: 11.86 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:113 Resp: 30802
 Ion Ratio Lower Upper
 113 100
 55 205.8 176.6 216.6
 56 141.9 128.3 168.3

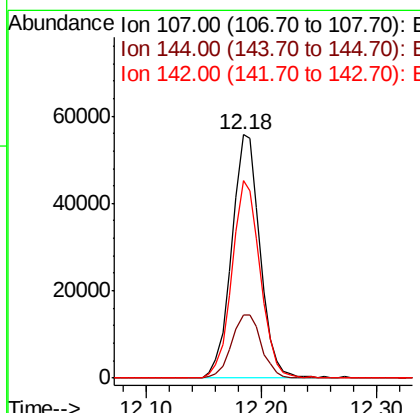
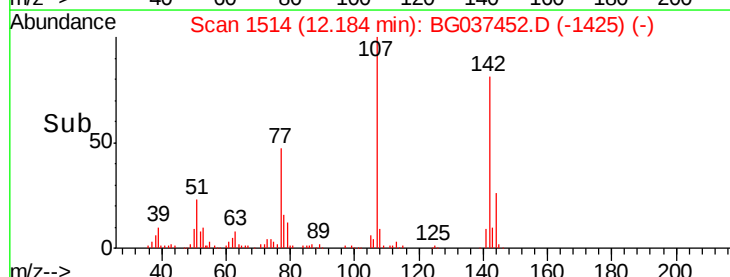
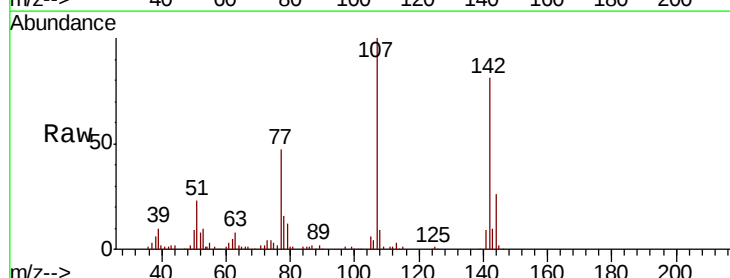
Manual Integrations
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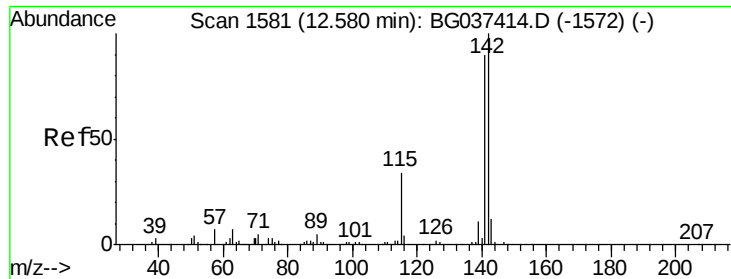
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#36
 4-Chloro-3-methylphenol
 Concen: 20.317 ng
 RT: 12.18 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:107 Resp: 94580
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.7 31.1
 142 80.9 64.4 96.6





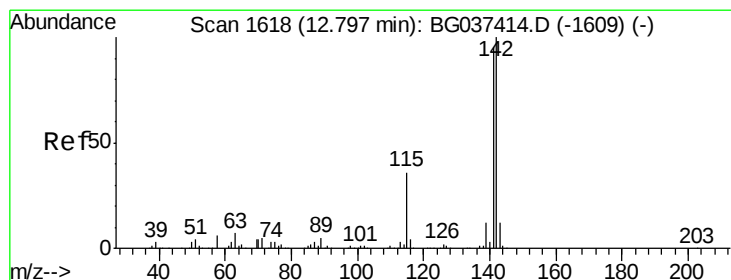
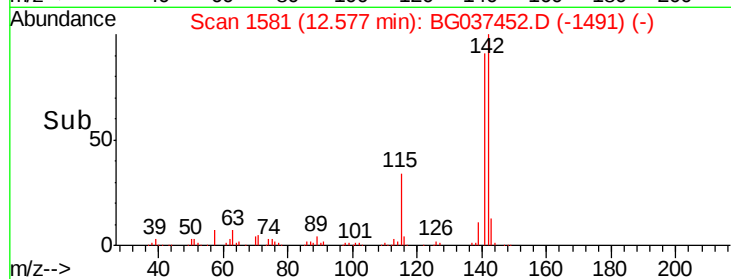
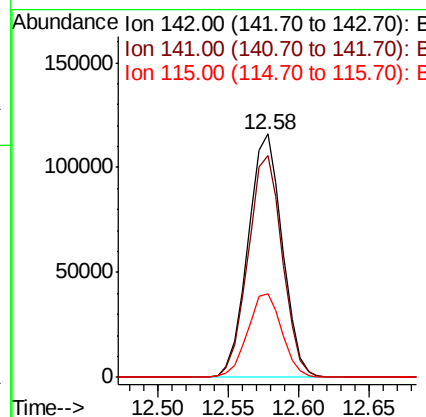
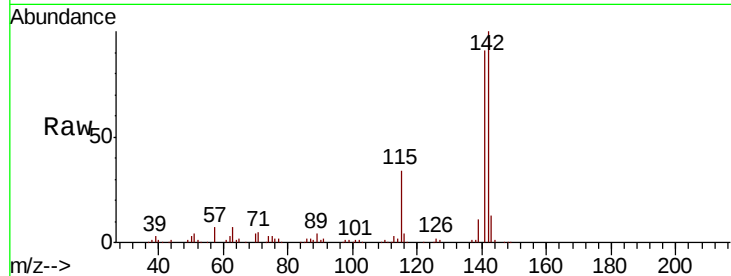
#37
2-Methylnaphthalene
Concen: 22.210 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	197655		
141	91.3	71.9	107.9	
115	34.5	27.8	41.8	

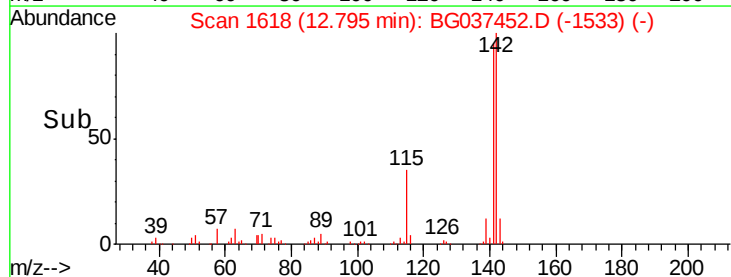
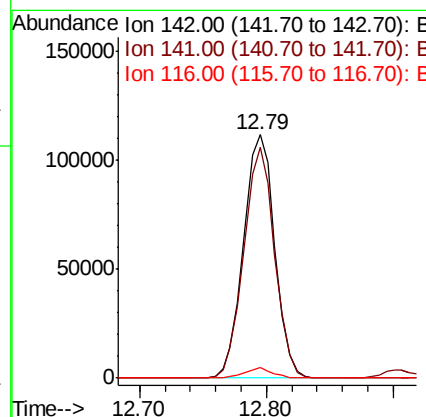
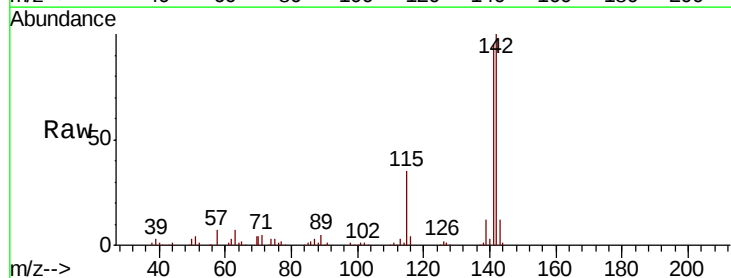
Manual Integrations
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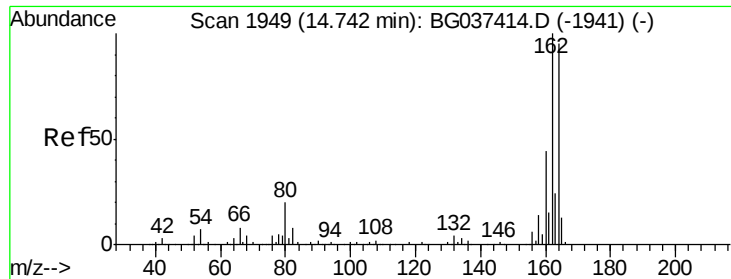
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#38
1-Methylnaphthalene
Concen: 22.019 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	190303		
141	94.6	75.2	112.8	
116	4.3	3.3	4.9	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

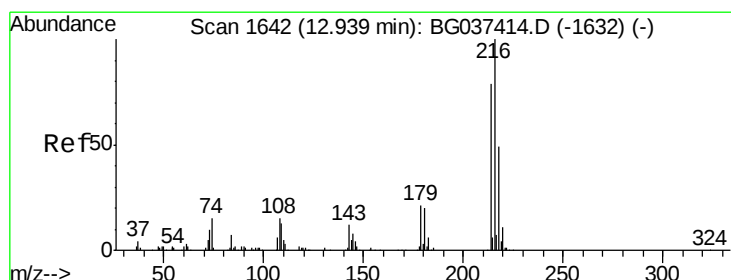
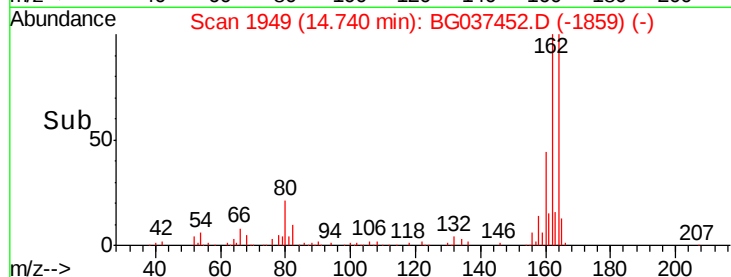
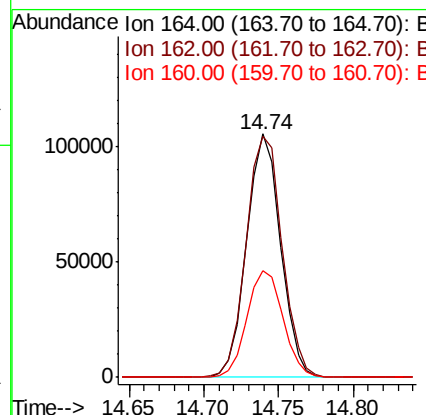
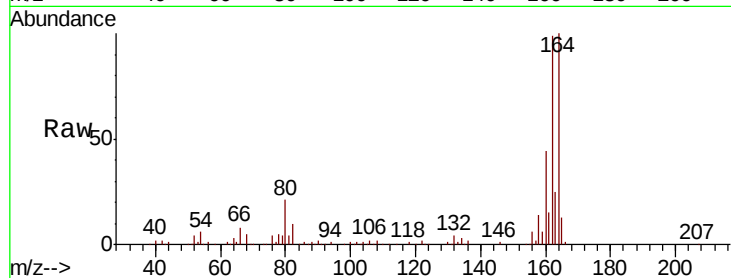
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	164	Resp:	165730
Ion Ratio	Lower	Upper	
164	100		
162	99.2	81.3	121.9
160	44.1	36.3	54.5

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 18.740 ng

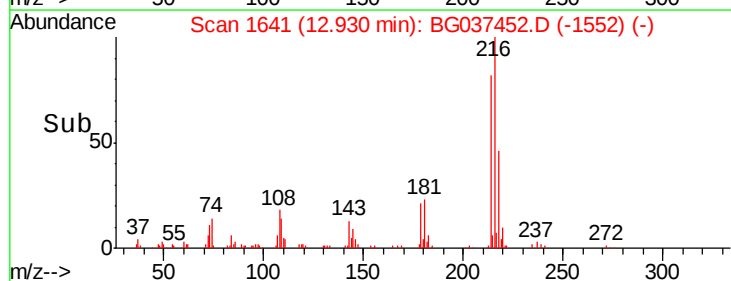
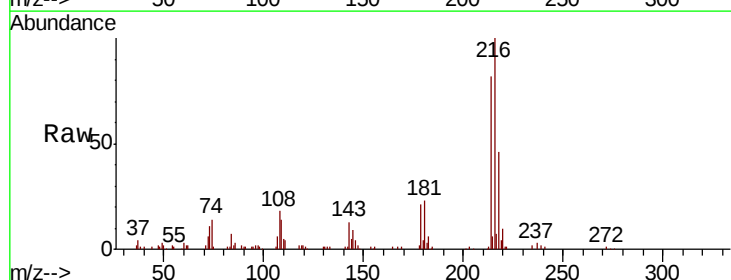
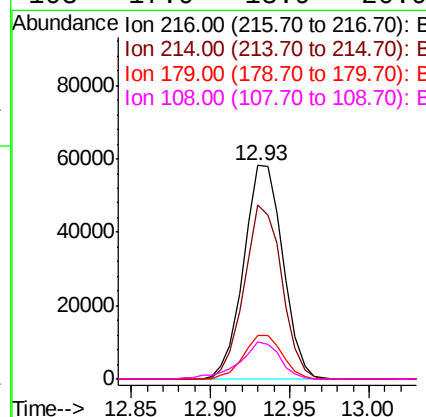
RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	216	Resp:	100177
Ion Ratio	Lower	Upper	
216	100		
214	78.2	63.8	95.6
179	20.4	17.4	26.0
108	17.9	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 22.586 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

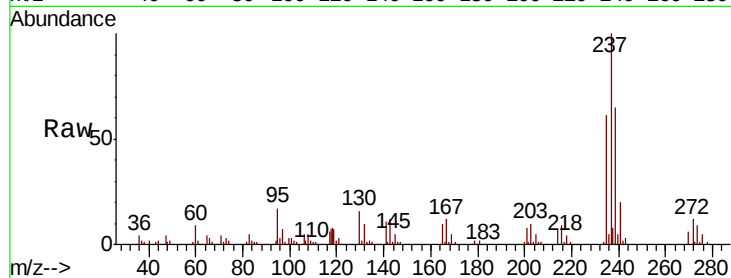
ClientSampleId :

LOQ-SOIL-02-QT4-2018

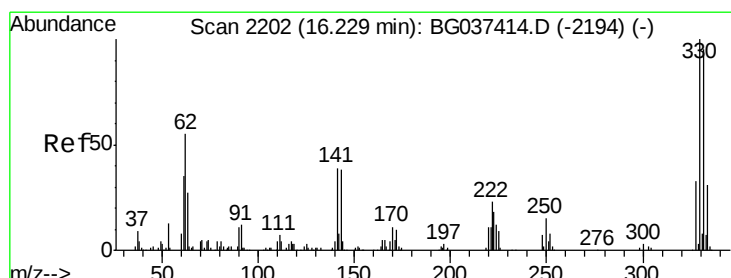
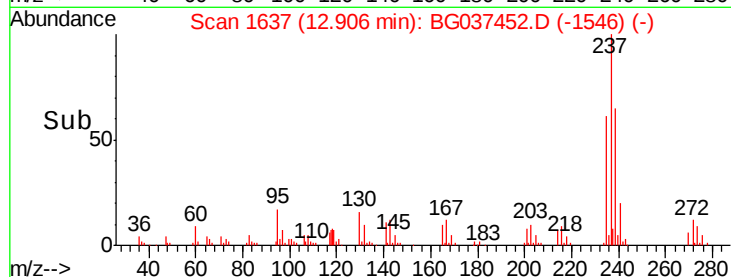
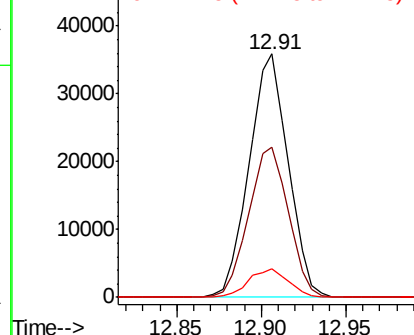
Tgt Ion:	237	Resp:	57673
Ion Ratio	Lower	Upper	
237	100		
235	61.5	42.5	82.5
272	11.7	0.0	31.6

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



#42

2,4,6-Tribromophenol

Concen: 139.517 ng

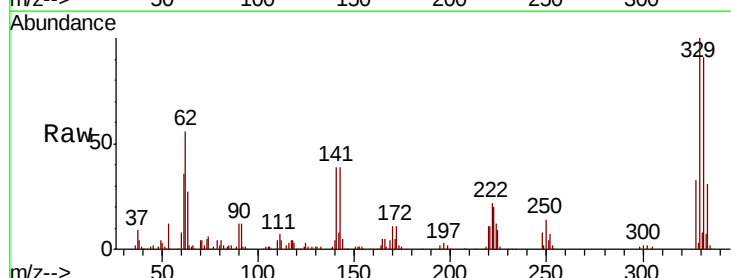
RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

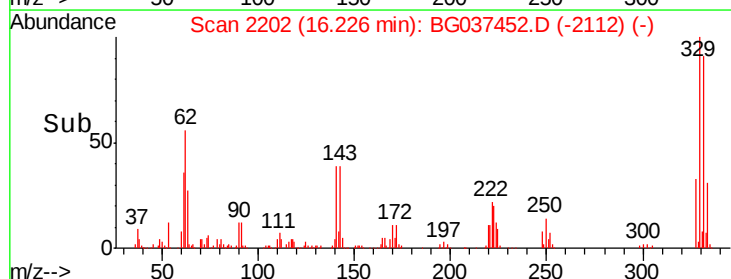
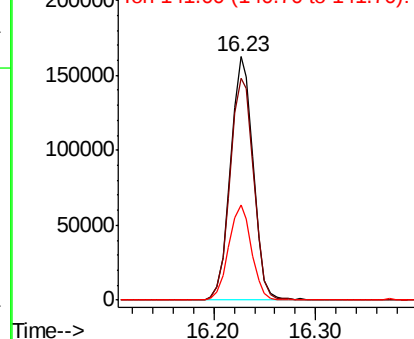
Lab File: BG037452.D

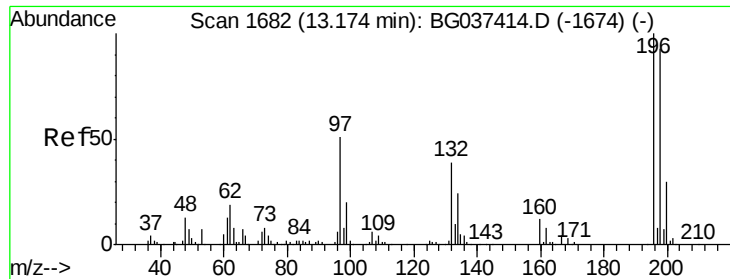
Acq: 19 Oct 2018 14:00

Tgt Ion:	330	Resp:	252191
Ion Ratio	Lower	Upper	
330	100		
332	94.5	78.4	117.6
141	39.2	32.2	48.2



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





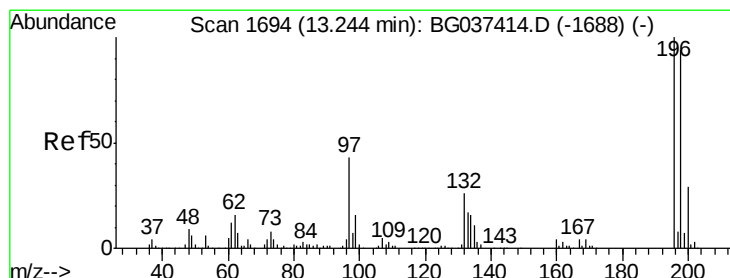
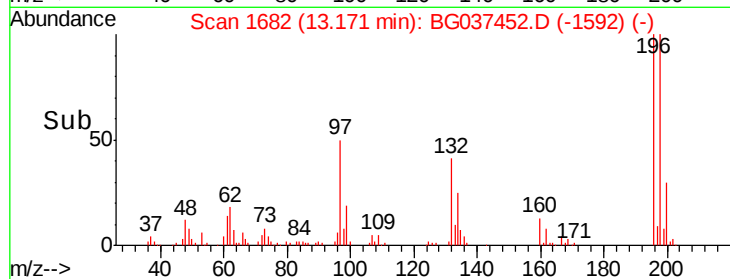
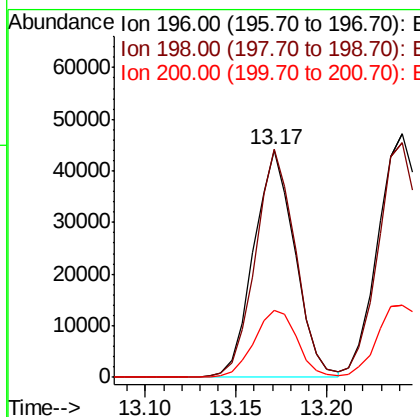
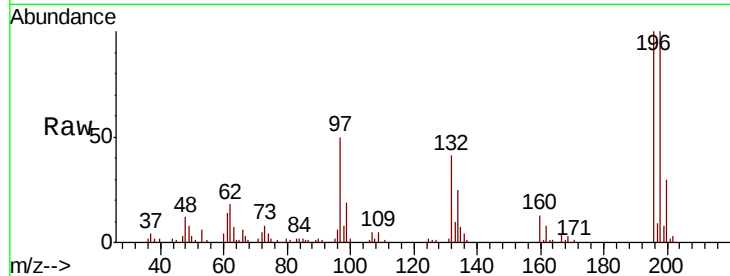
#43
 2,4,6-Trichlorophenol
 Concen: 19.414 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.3	76.4	114.6
200	29.7	24.9	37.3

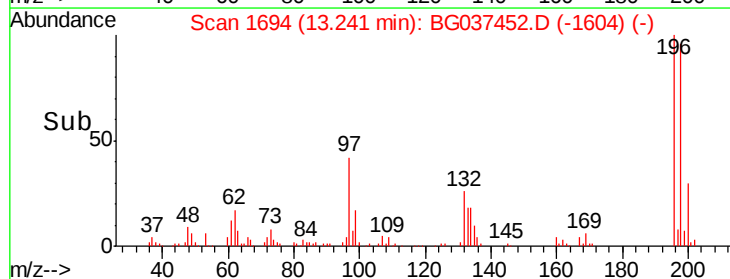
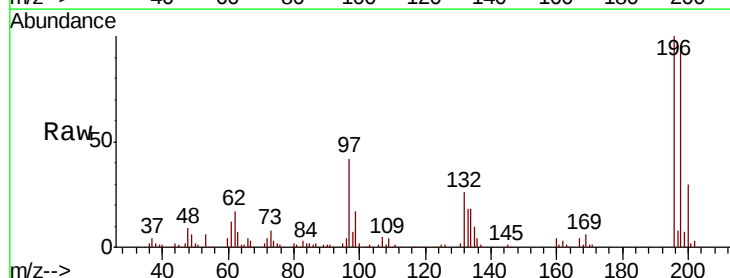
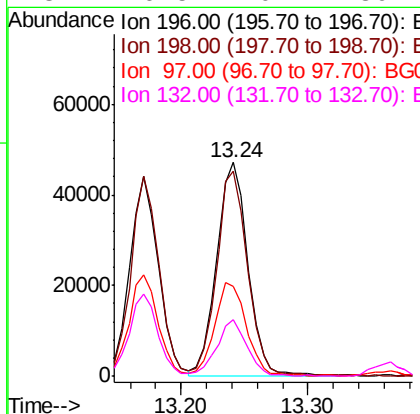
Manual Integrations
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 10/22/2018 3:38:05 PM



#44
 2,4,5-Trichlorophenol
 Concen: 20.752 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.1	74.2	111.2
97	42.0	34.1	51.1
132	26.5	20.2	30.4





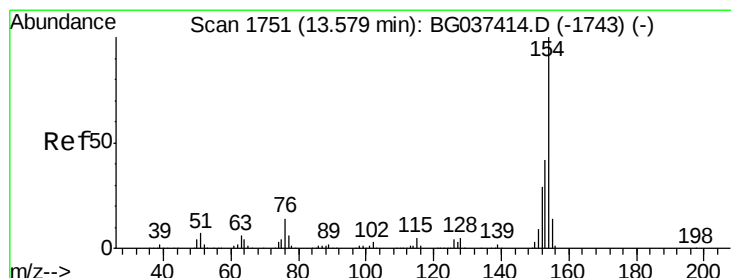
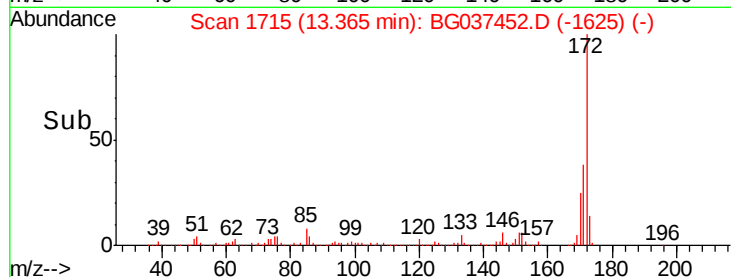
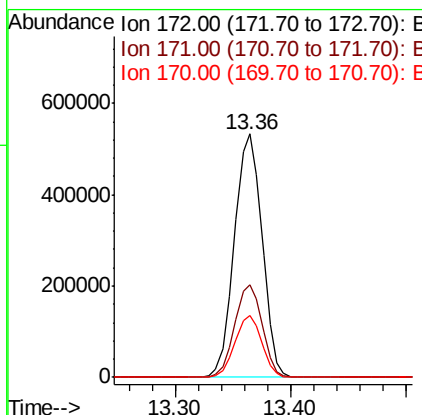
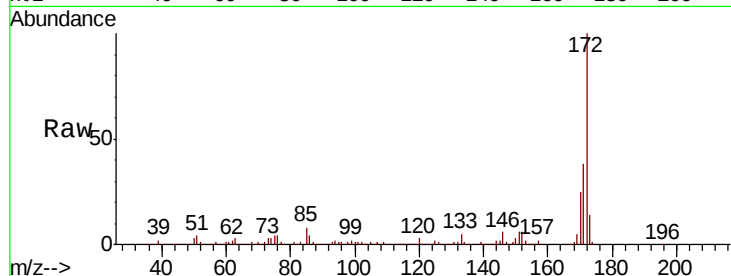
#45
2-Fluorobiphenyl
Concen: 80.472 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	884420		
171	38.2	31.0	46.4	
170	25.3	20.2	30.2	

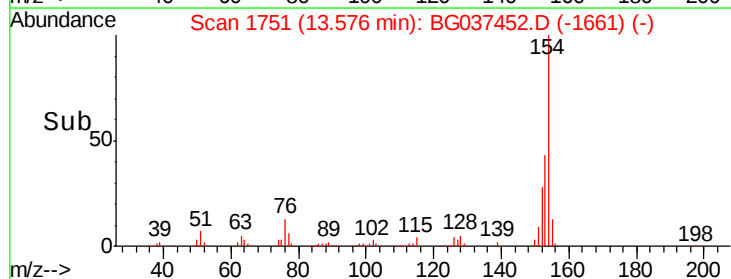
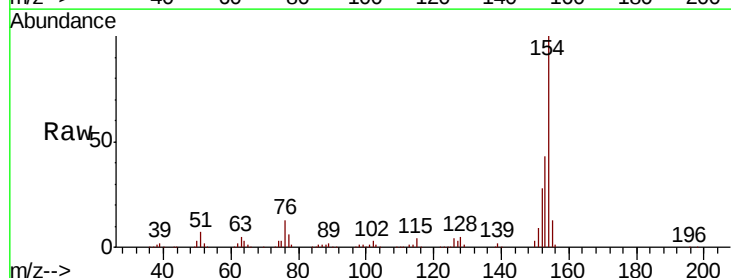
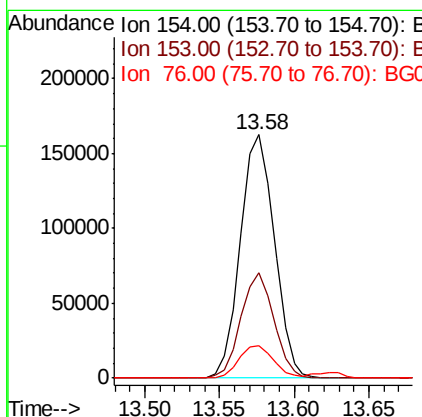
Manual Integrations
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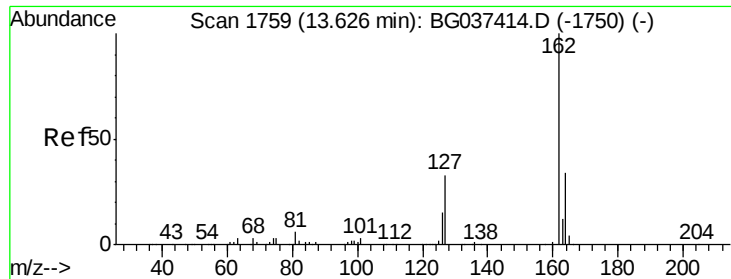
Sohil
10/22/2018 3:38:05 PM



#46
1,1'-Biphenyl
Concen: 18.775 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	257690		
153	43.3	22.1	62.1	
76	13.1	0.0	33.2	





#47

2-Chloronaphthalene

Concen: 19.618 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

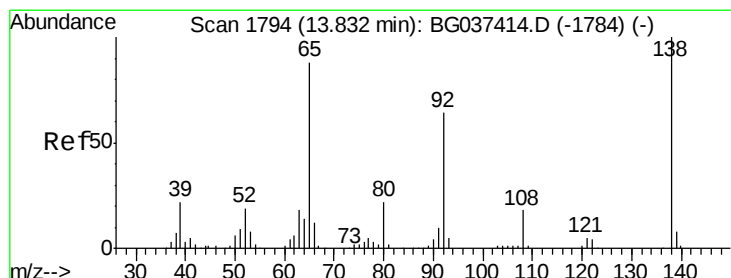
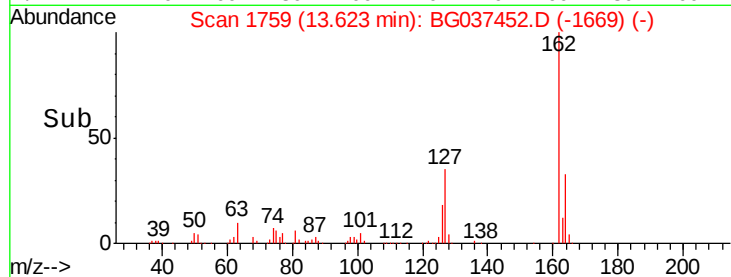
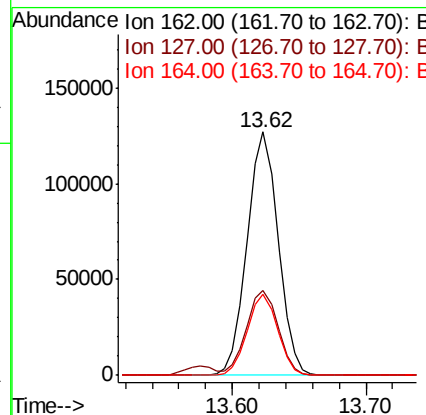
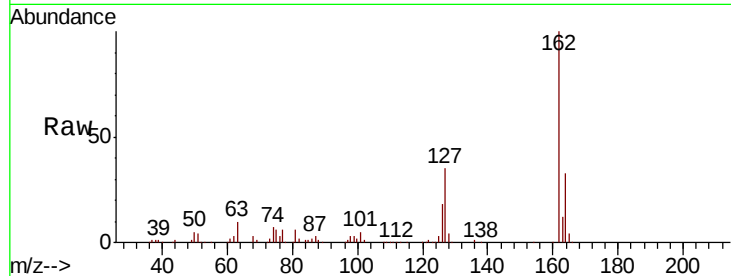
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	162	Resp:	203707
Ion Ratio		Lower	Upper
162	100		
127	34.8	30.5	45.7
164	33.3	26.4	39.6

Manual Integrations
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#48

2-Nitroaniline

Concen: 19.600 ng

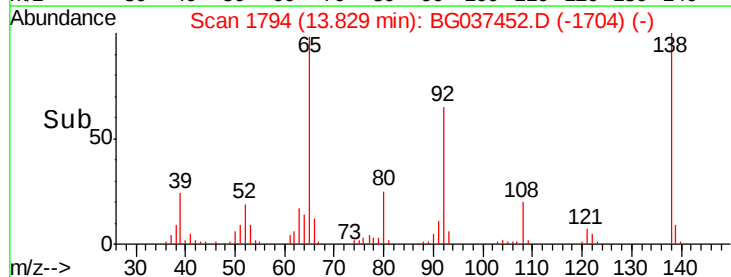
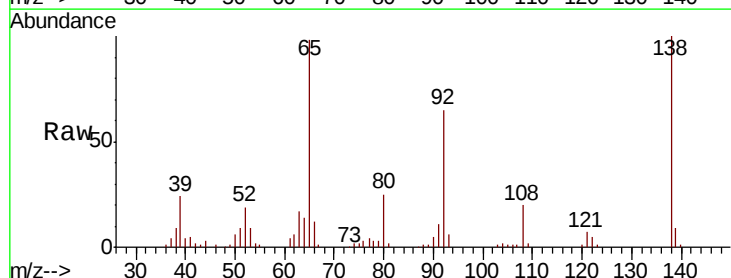
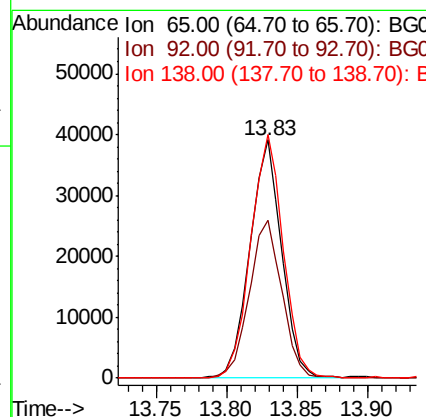
RT: 13.83 min Scan# 1794

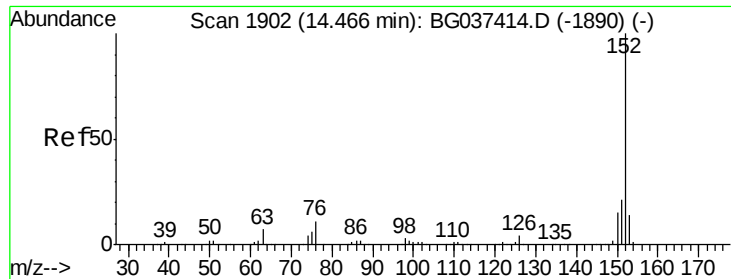
Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	65	Resp:	61717
Ion Ratio		Lower	Upper
65	100		
92	66.2	53.2	79.8
138	102.4	79.3	118.9





#49

Acenaphthylene

Concen: 21.908 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

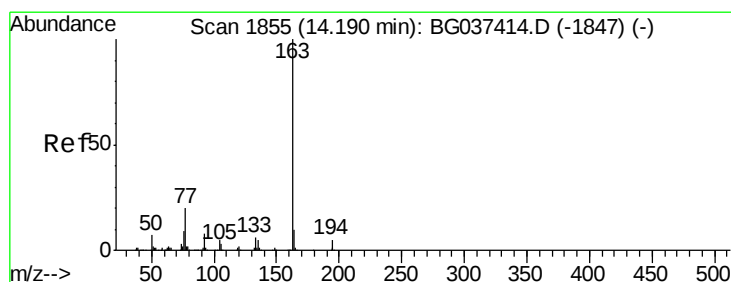
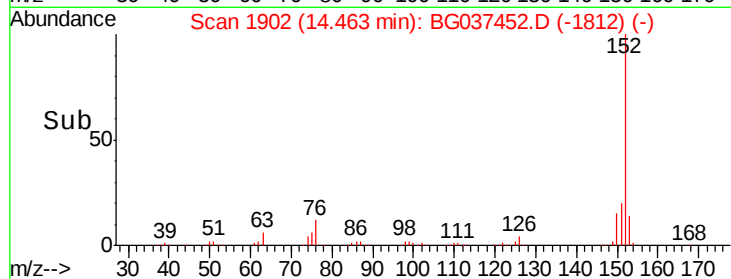
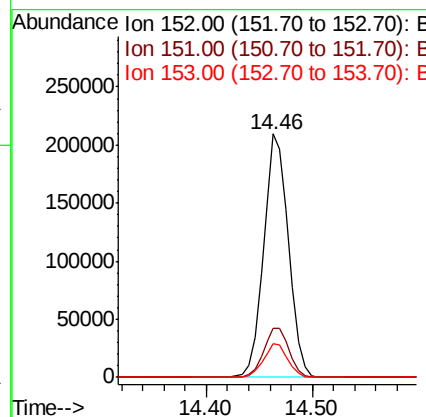
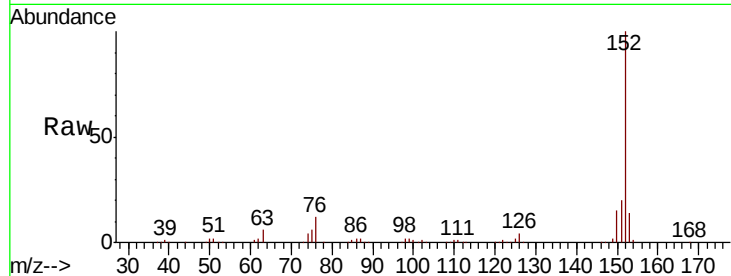
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	152	Resp:	342197
Ion Ratio		Lower	Upper
152	100		
151	20.4	17.1	25.7
153	13.9	11.1	16.7

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#50

Dimethylphthalate

Concen: 21.049 ng

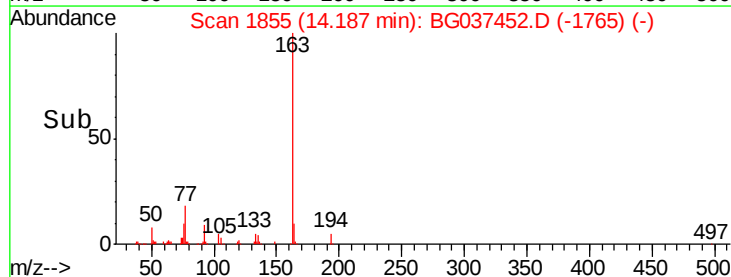
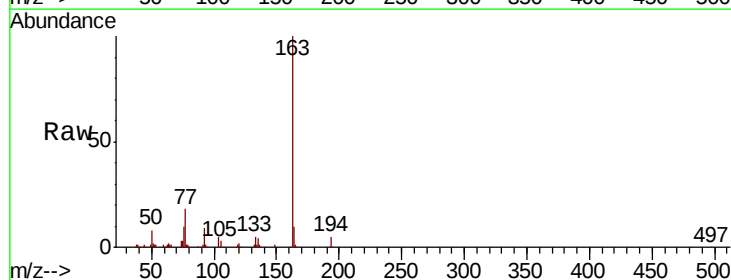
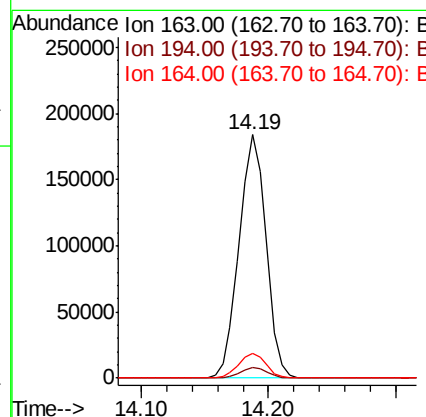
RT: 14.19 min Scan# 1855

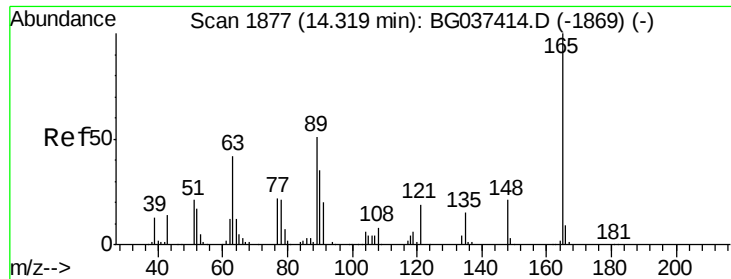
Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	163	Resp:	269867
Ion Ratio		Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.9	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 20.374 ng

RT: 14.32 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

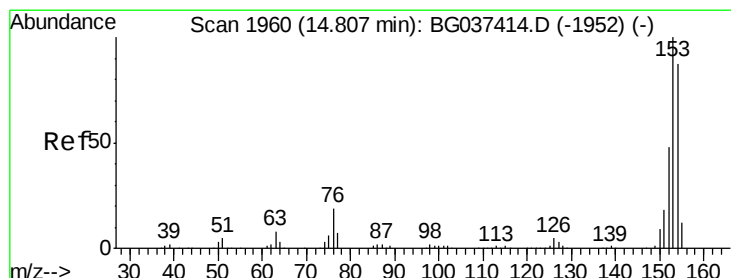
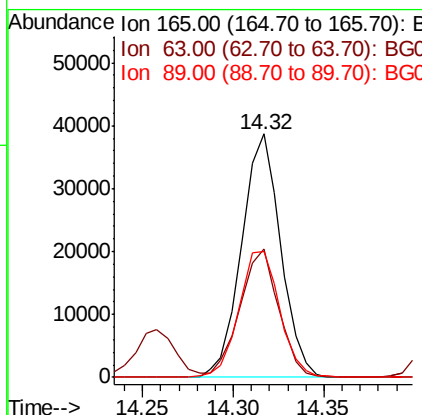
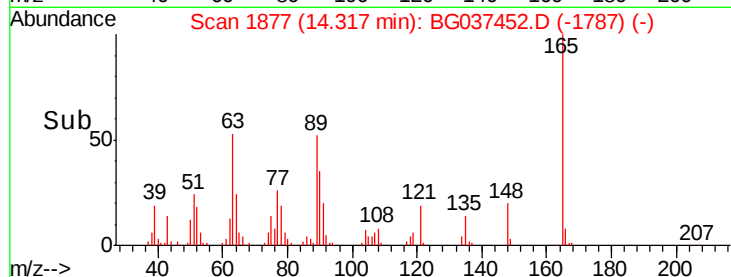
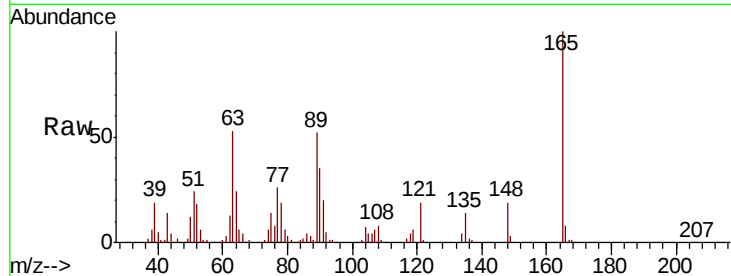
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	165	Resp:	57787
Ion Ratio	Lower	Upper	
165	100		
63	52.5	43.4	65.2
89	51.8	45.8	68.6

Manual Integrations
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#52

Acenaphthene

Concen: 20.211 ng

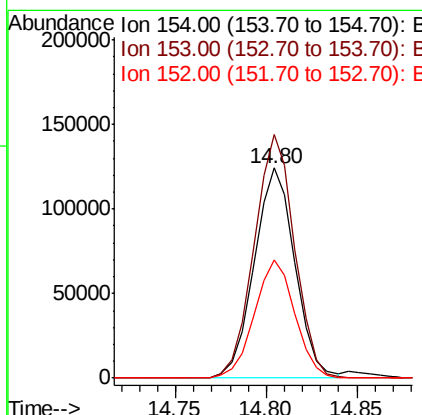
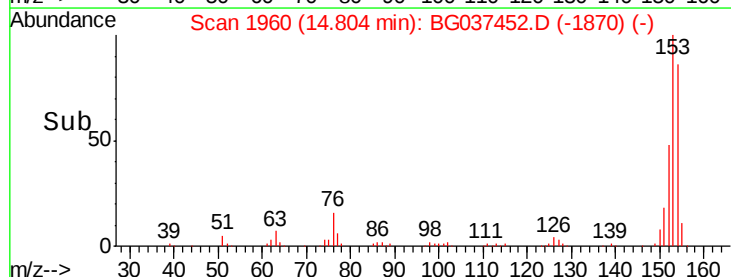
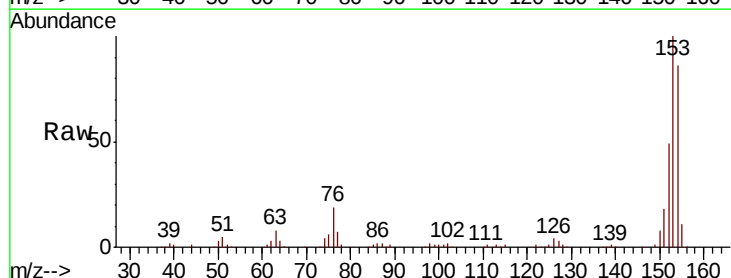
RT: 14.80 min Scan# 1960

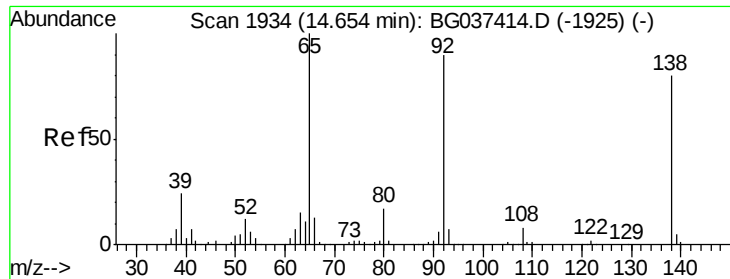
Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	154	Resp:	194427
Ion Ratio	Lower	Upper	
154	100		
153	116.0	93.4	140.0
152	56.3	44.7	67.1





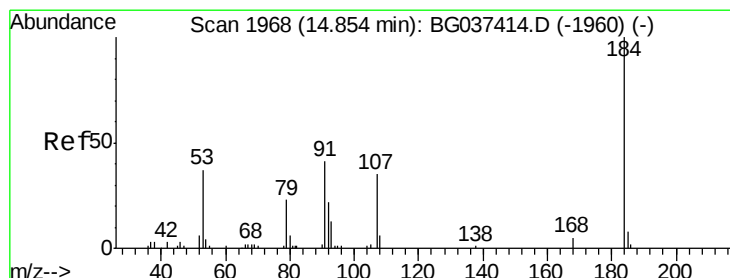
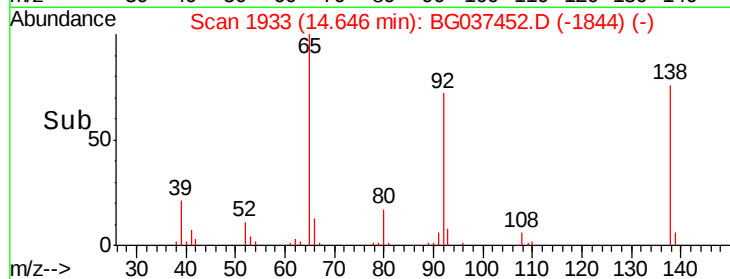
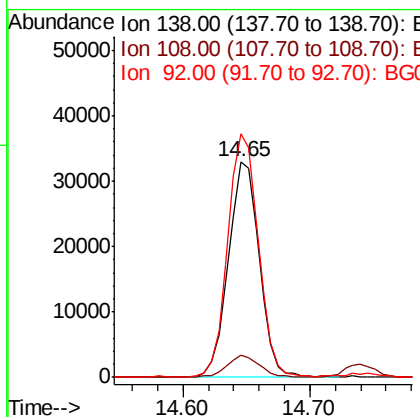
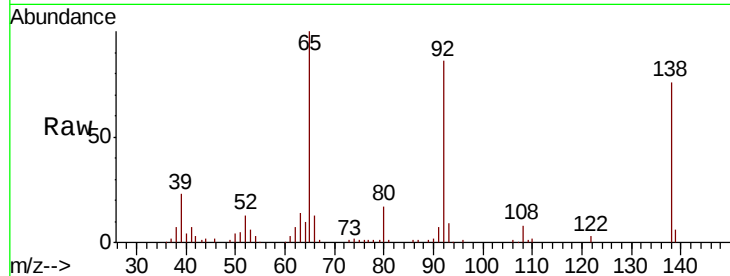
#53
 3-Nitroaniline
 Concen: 17.587 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.2	11.0	16.6#
92	112.9	95.2	142.8

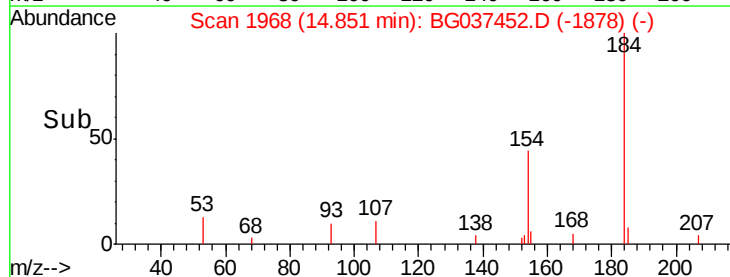
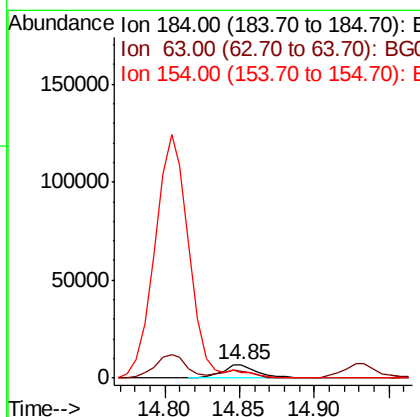
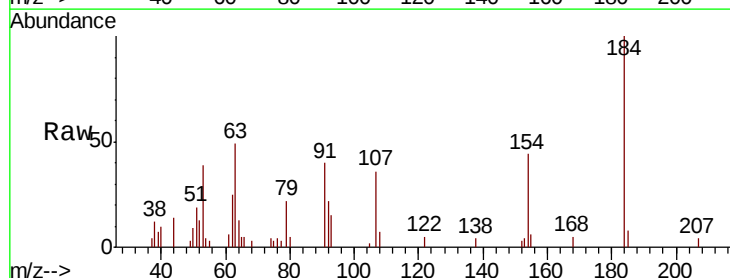
Manual Integrations
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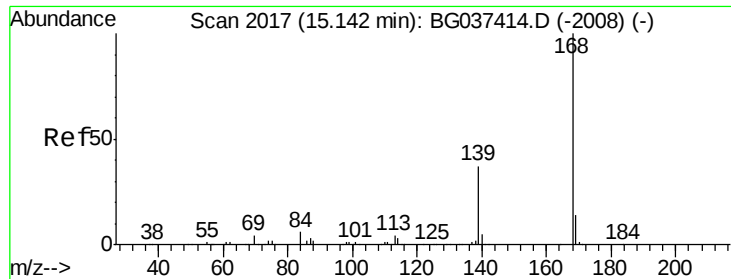
Sohil
 10/22/2018 3:38:05 PM



#54
 2,4-Dinitrophenol
 Concen: 20.724 ng
 RT: 14.85 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	49.3	42.6	63.8
154	44.3	41.8	62.6





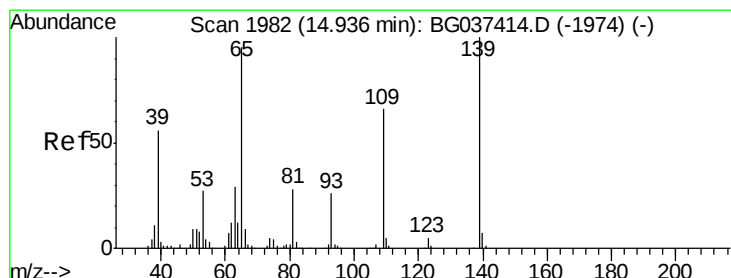
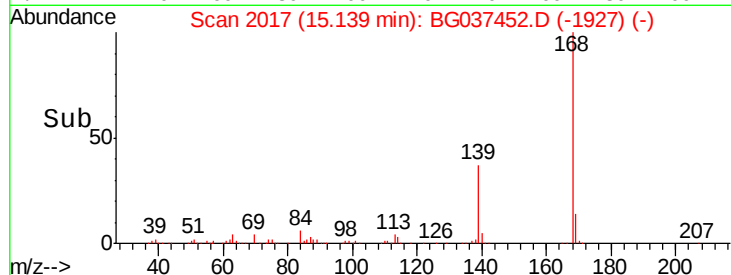
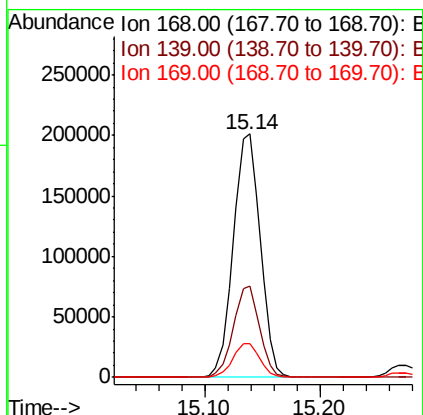
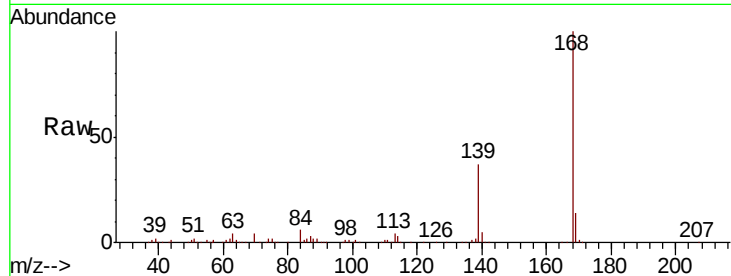
#55
Dibenzenofuran
Concen: 20.419 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	325446		
139	37.3	29.4	44.0	
169	13.7	11.0	16.6	

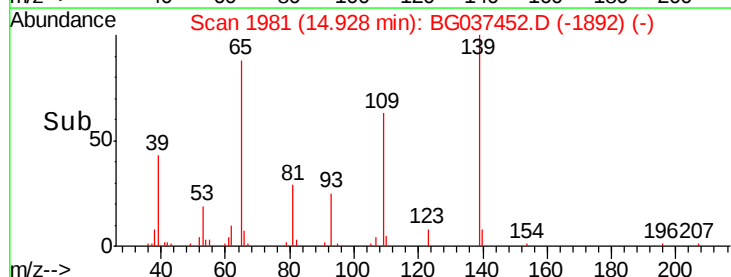
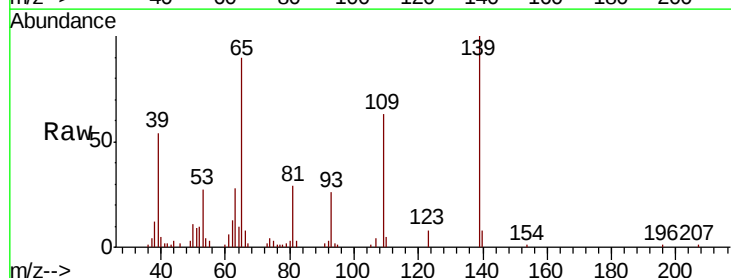
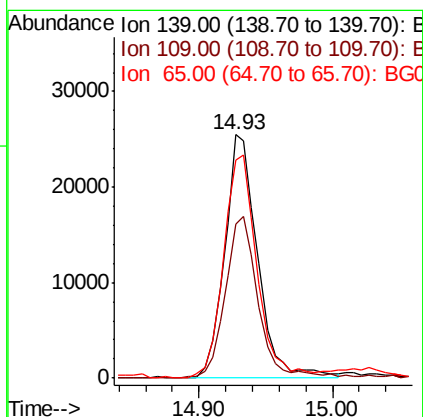
Manual Integrations
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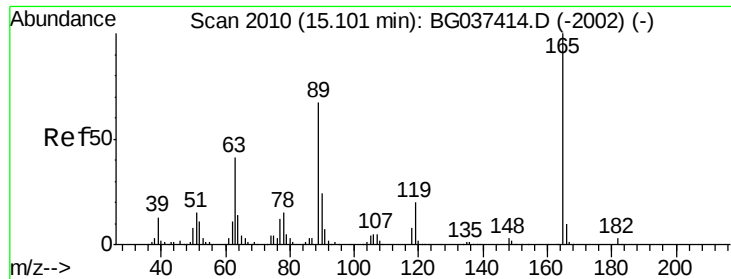
Sohil
10/22/2018 3:38:05 PM



#56
4-Nitrophenol
Concen: 18.820 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	43863		
109	63.5	49.5	89.5	
65	89.7	76.8	116.8	





#57

2,4-Dinitrotoluene

Concen: 21.312 ng

RT: 15.10 min Scan# 210

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

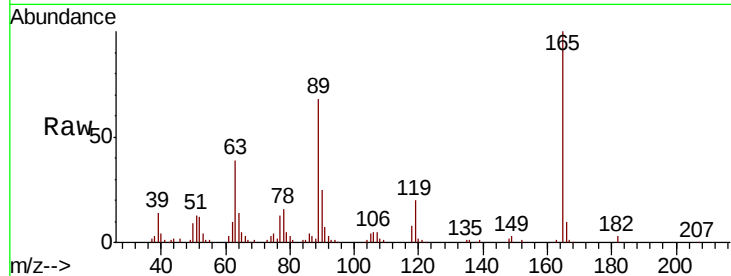
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	79346		
63	38.9		33.4	50.0
89	67.6		57.2	85.8
182	2.9		2.6	4.0

Manual Integrations
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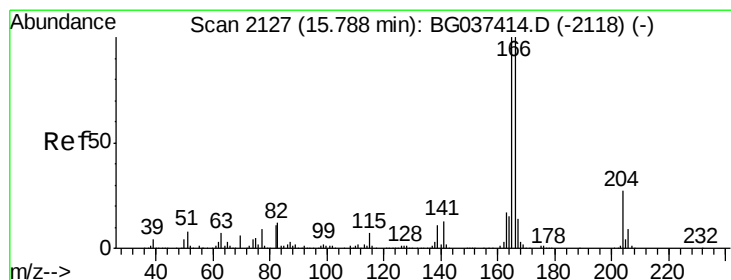
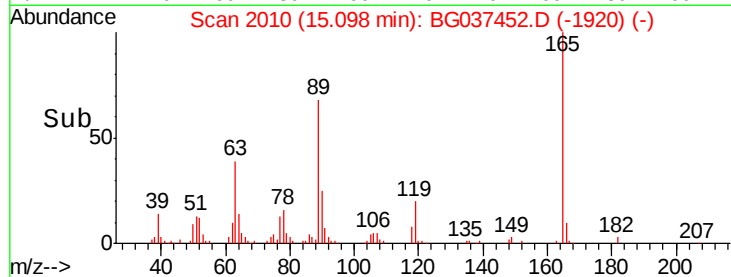
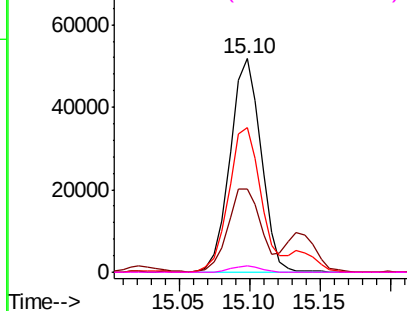


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 21.995 ng

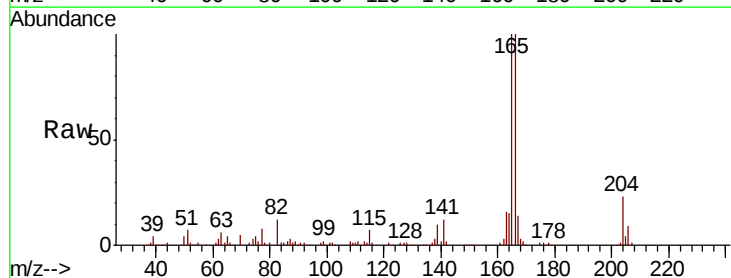
RT: 15.79 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

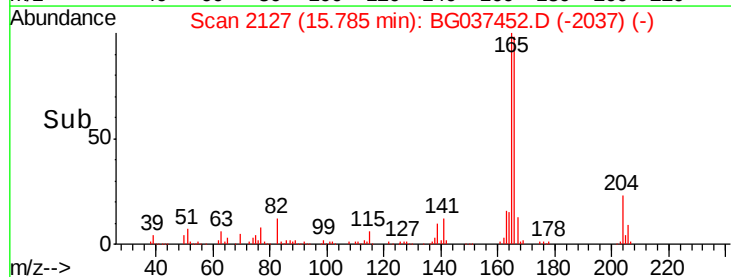
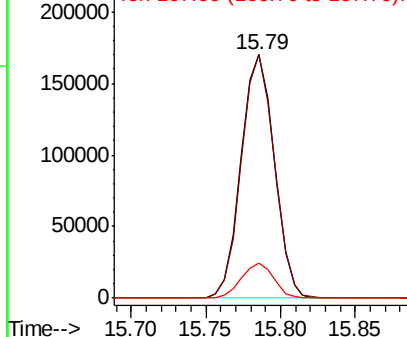
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	262523		
165	100.1		79.0	118.6
167	14.4		11.3	16.9

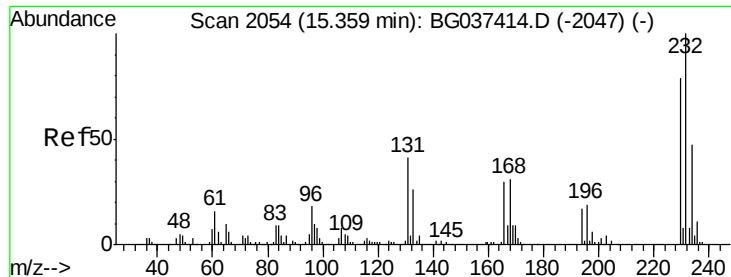


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





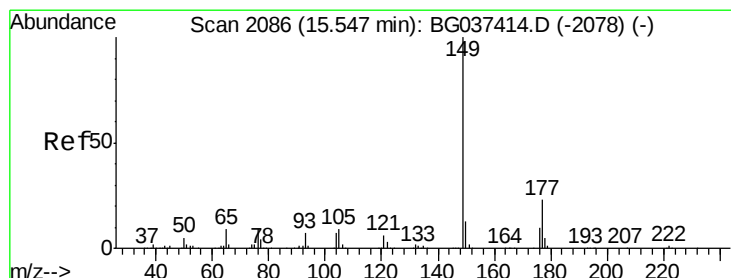
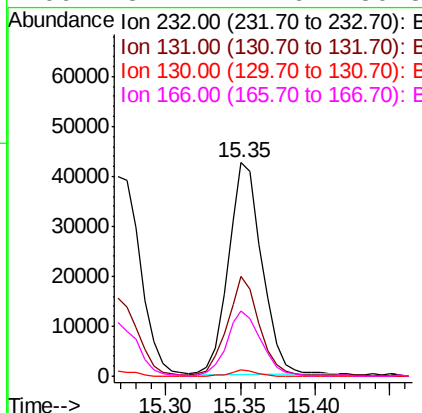
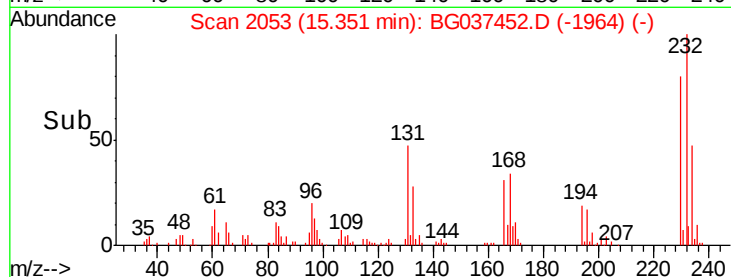
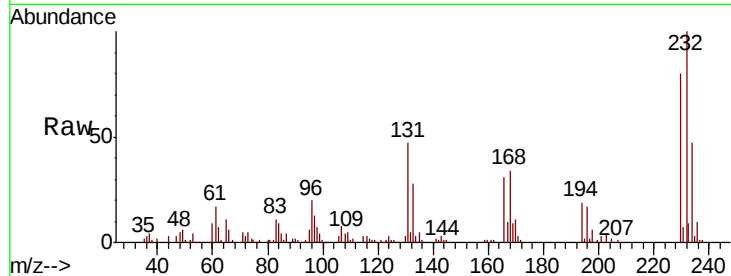
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 20.124 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.2	33.7	50.5
130	2.2	2.1	3.1
166	31.4	24.6	36.8

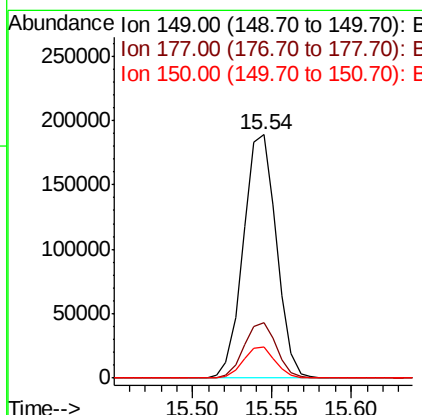
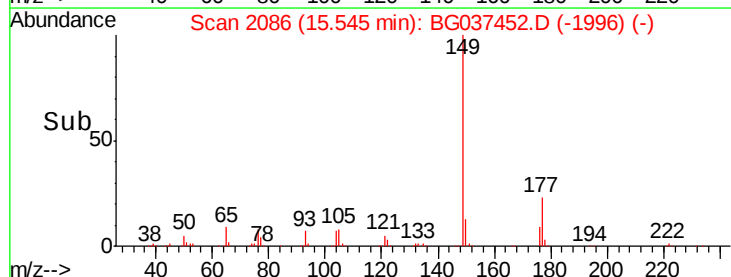
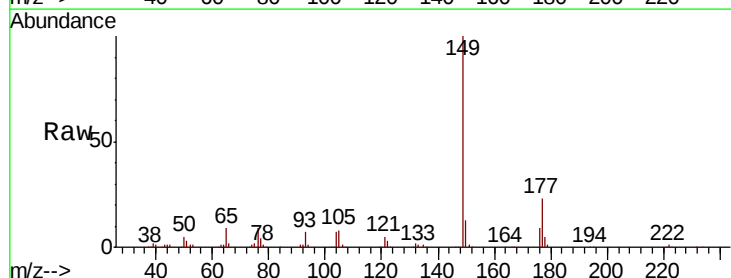
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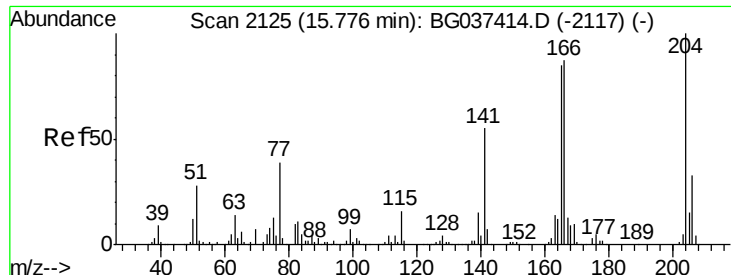
Sohil
 10/22/2018 3:38:05 PM



#60
 Diethylphthalate
 Concen: 20.689 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	12.8	10.0	15.0





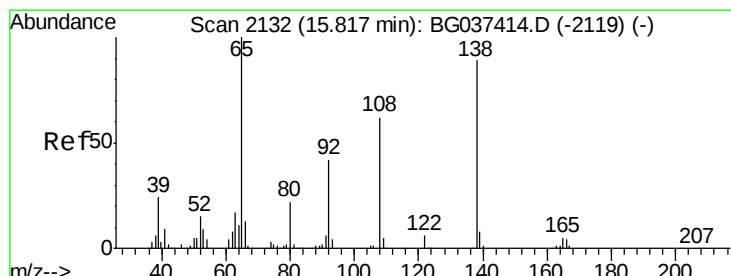
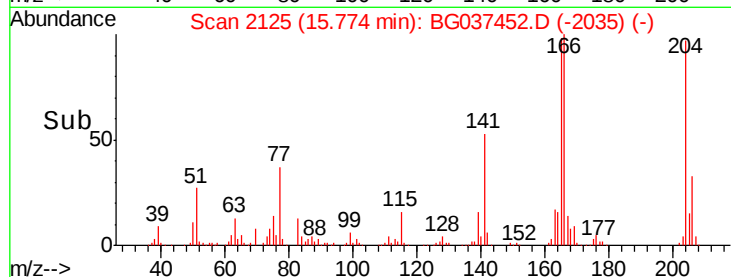
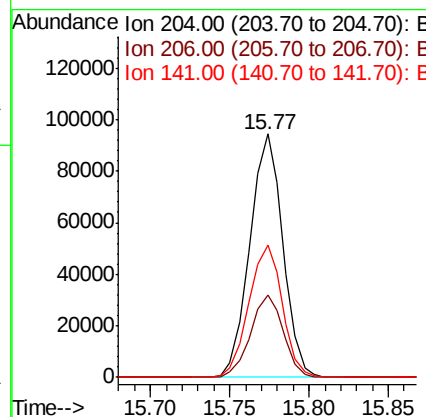
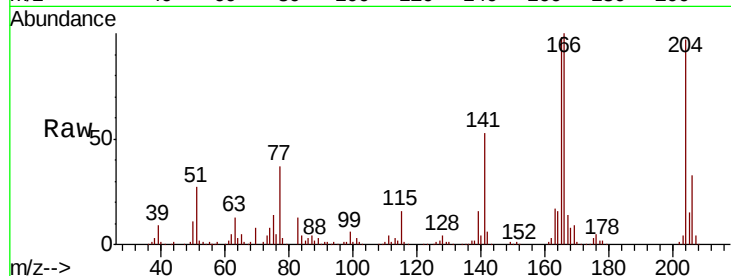
#61
 4-Chlorophenyl-phenylether
 Concen: 19.561 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.6	39.8
141	54.2	45.4	68.2

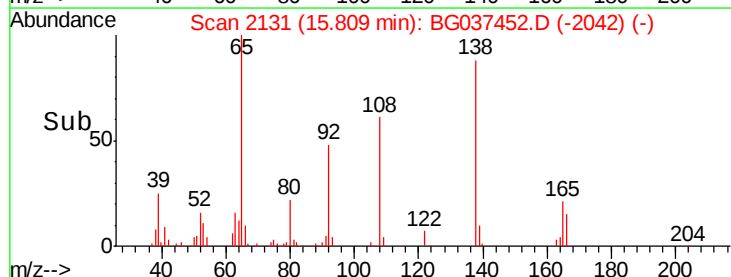
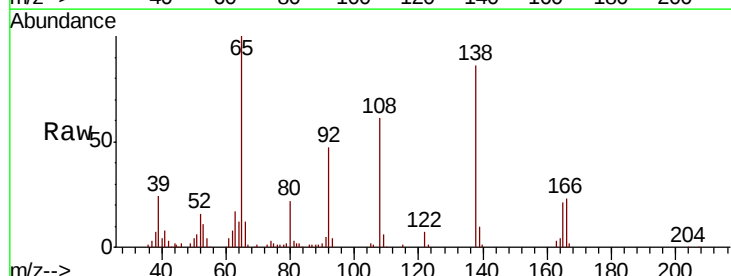
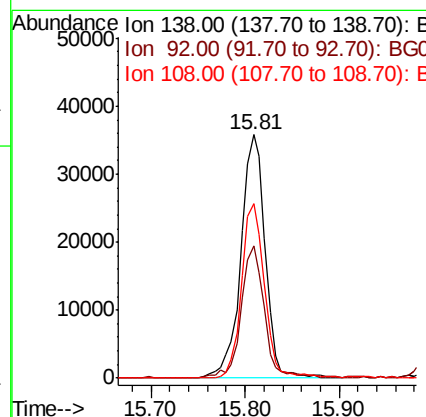
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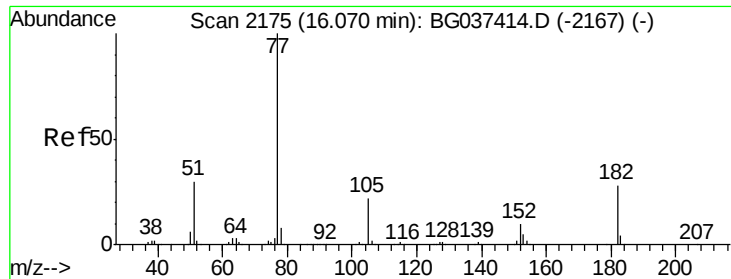
Sohil
 10/22/2018 3:38:05 PM



#62
 4-Nitroaniline
 Concen: 20.584 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.4	36.4	76.4
108	71.4	60.1	100.1





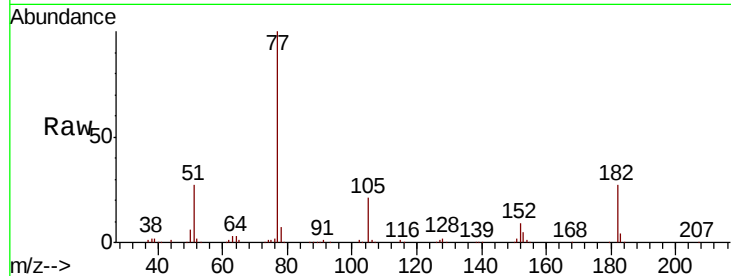
#63
Azobenzene
Concen: 20.946 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

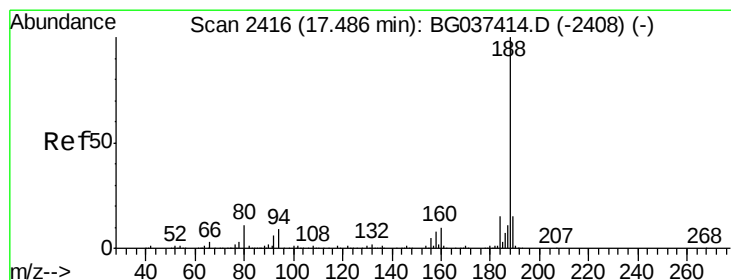
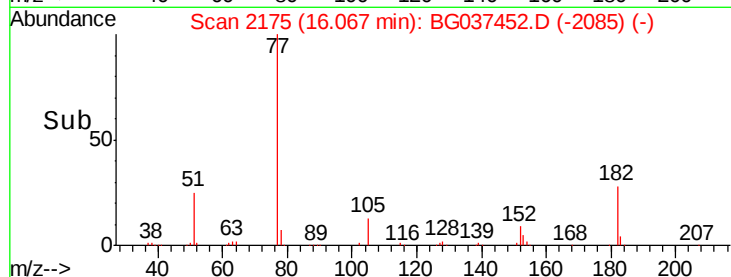
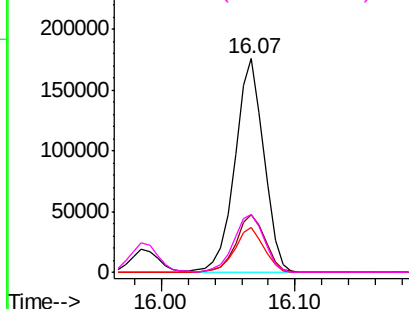
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.1	8.0	48.0
105	21.2	1.3	41.3
51	27.3	10.7	50.7

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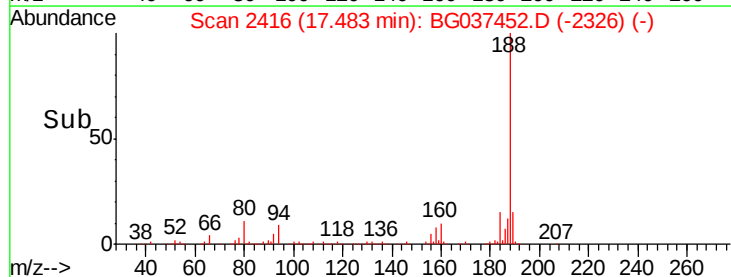
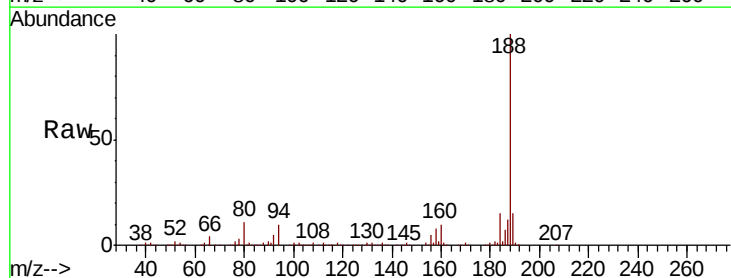
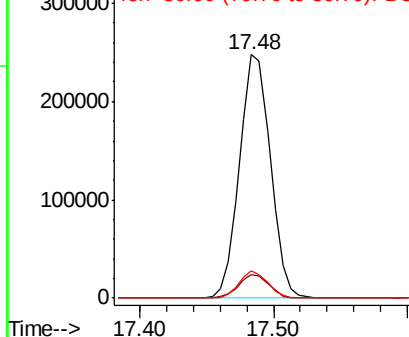
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

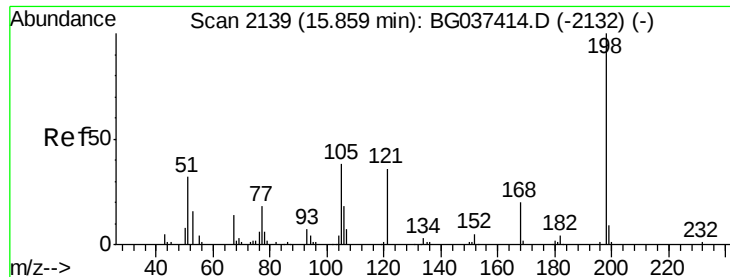


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	11.2	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 19.948 ng

RT: 15.86 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

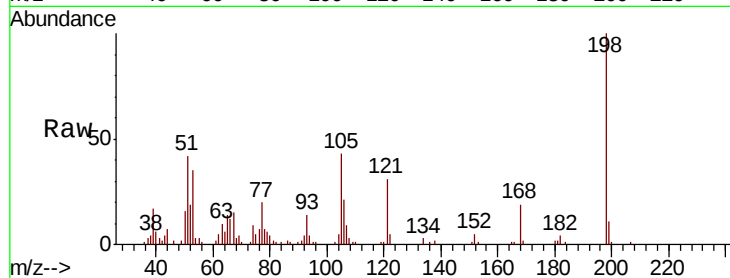
ClientSampleId :

LOQ-SOIL-02-QT4-2018

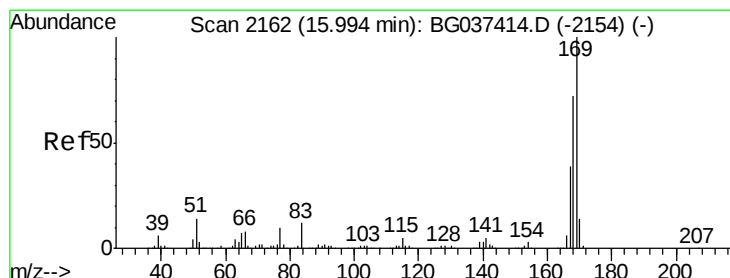
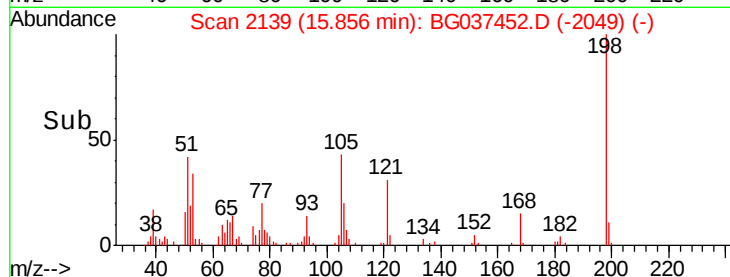
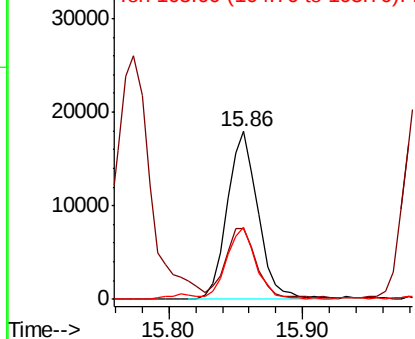
Tgt Ion:	198	Resp:	28948
Ion Ratio	Lower	Upper	
198	100		
51	41.9	22.7	62.7
105	42.8	19.7	59.7

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 19.694 ng

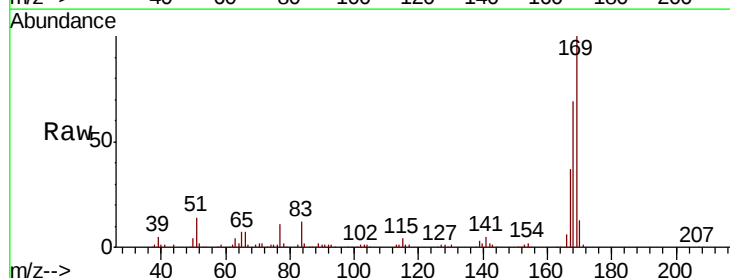
RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

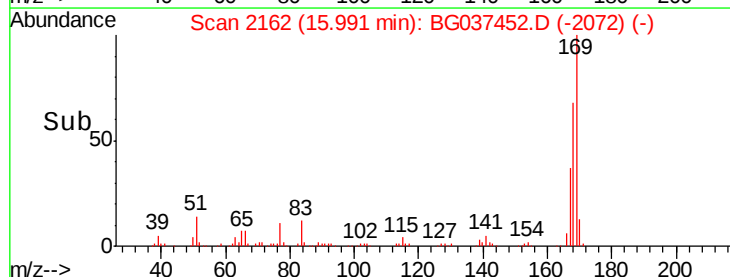
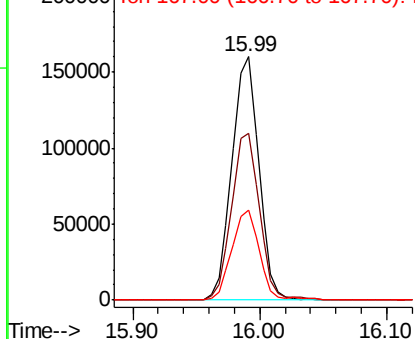
Lab File: BG037452.D

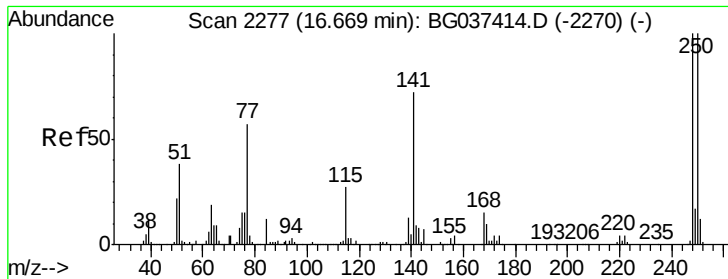
Acq: 19 Oct 2018 14:00

Tgt Ion:	169	Resp:	235019
Ion Ratio	Lower	Upper	
169	100		
168	68.6	55.7	83.5
167	36.7	31.3	46.9



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





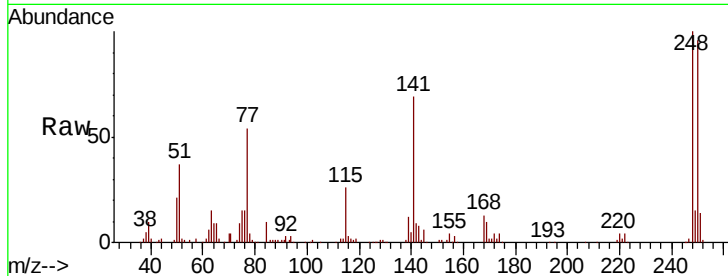
#67
 4-Bromophenyl-phenylether
 Concen: 19.287 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	84027		
250	95.5	77.0	115.6	
141	69.2	55.5	83.3	

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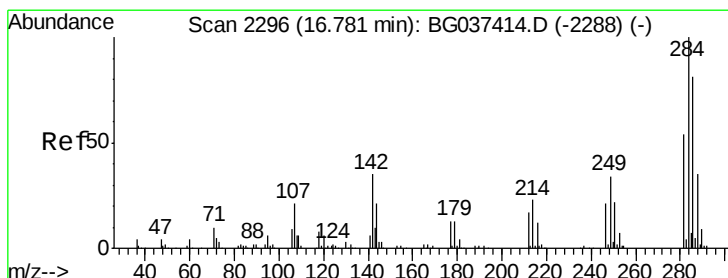
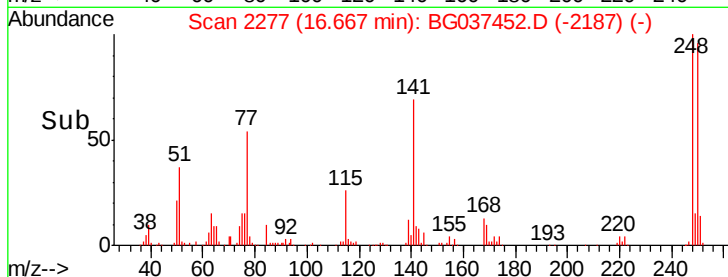
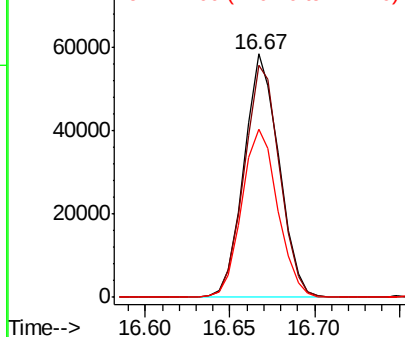


Abundance

Ion 248.00 (247.70 to 248.70): E

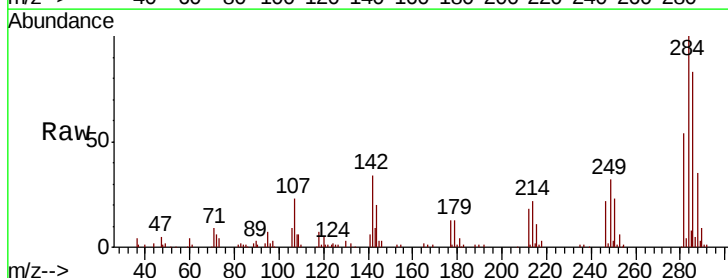
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 19.207 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	86729		
142	33.6	28.1	42.1	
249	34.8	29.8	44.8	

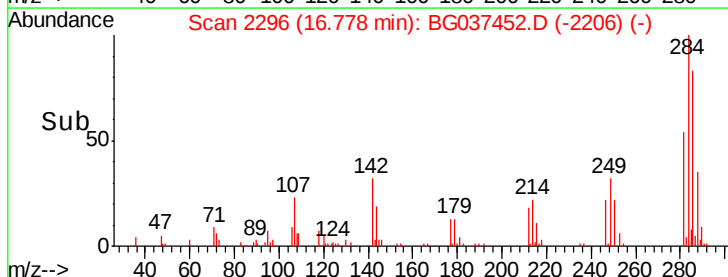
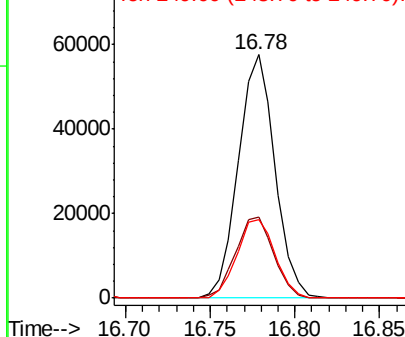


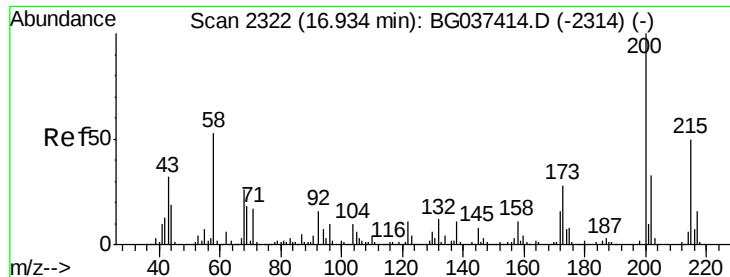
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





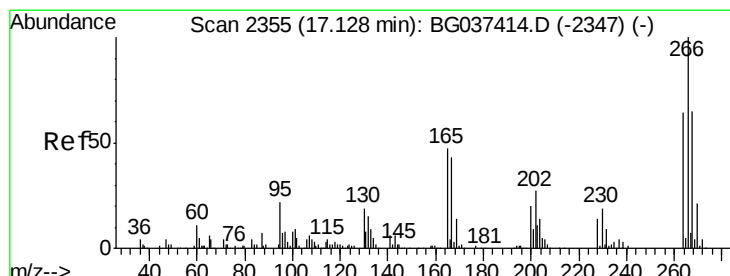
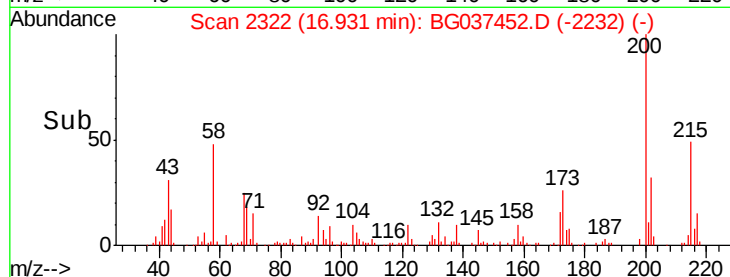
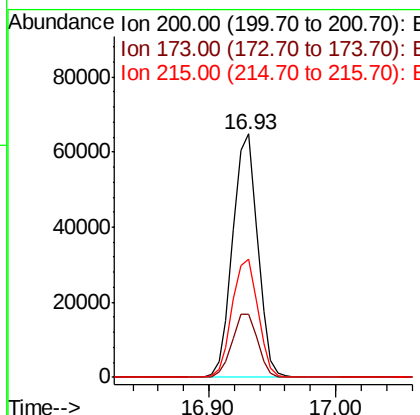
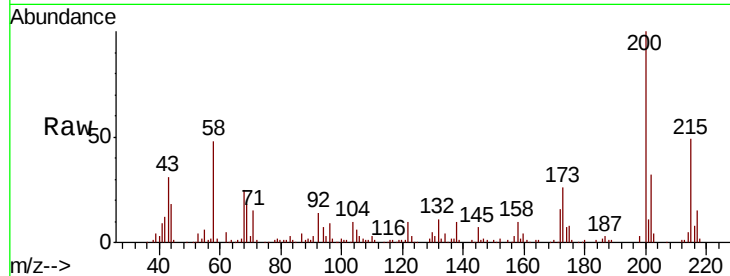
#69
 Atrazine
 Concen: 20.397 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	88004		
173	25.9	6.1	46.1	
215	48.8	30.8	70.8	

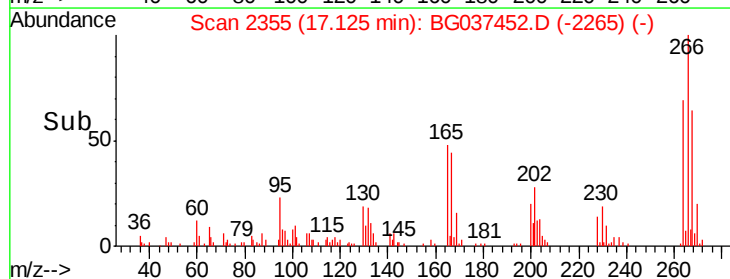
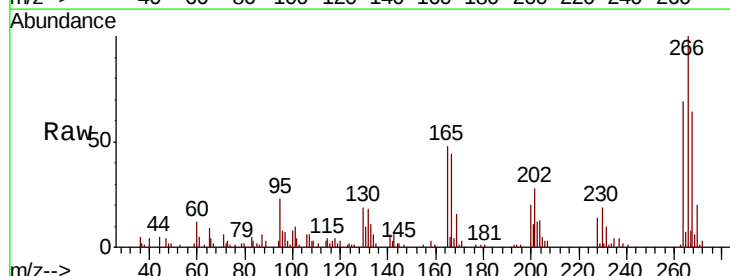
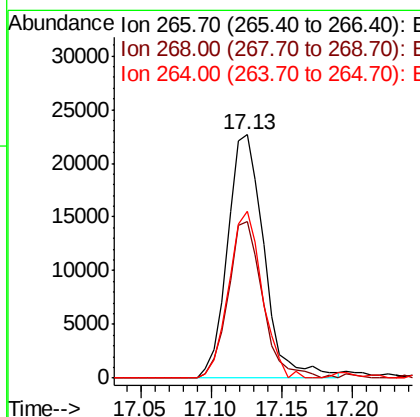
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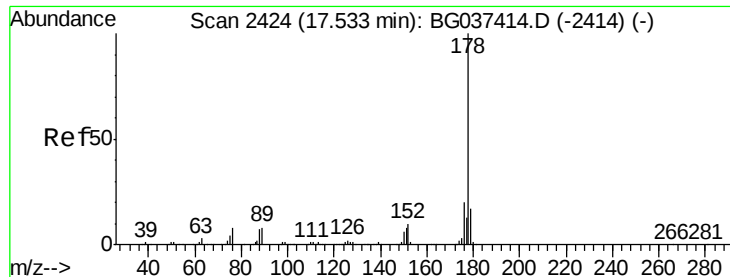
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#70
 Pentachlorophenol
 Concen: 13.506 ng
 RT: 17.13 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	40850		
268	69.9	55.0	82.6	
264	75.2	58.9	88.3	





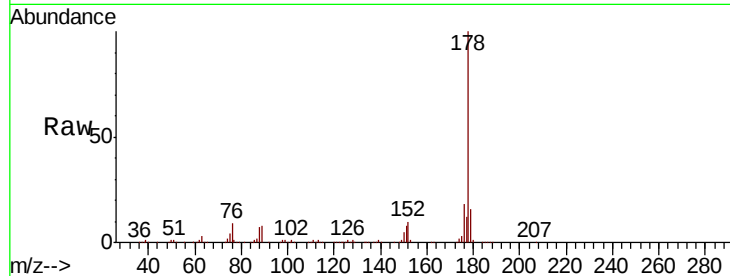
#71
Phenanthrene
Concen: 21.770 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

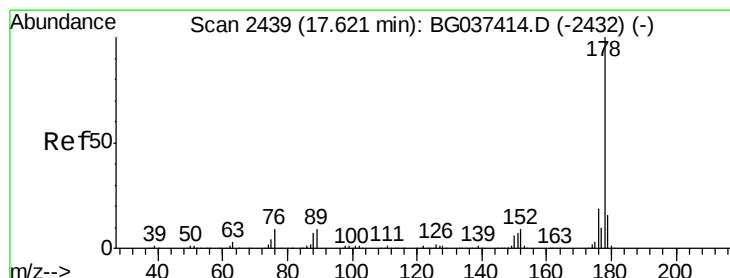
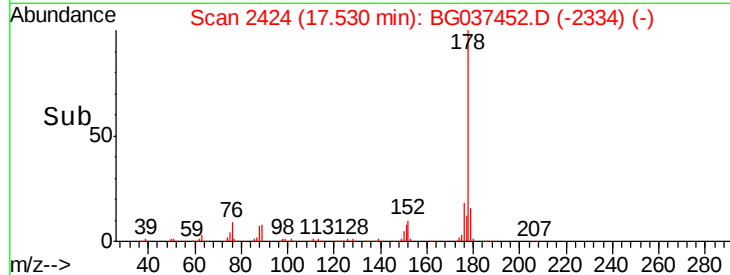
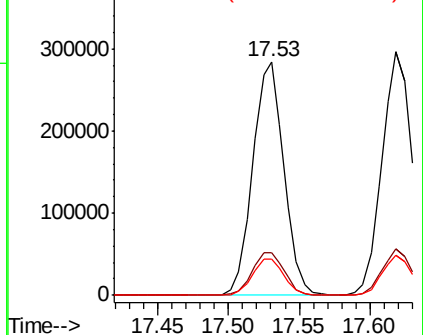
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.1	24.1
179	15.6	13.0	19.4

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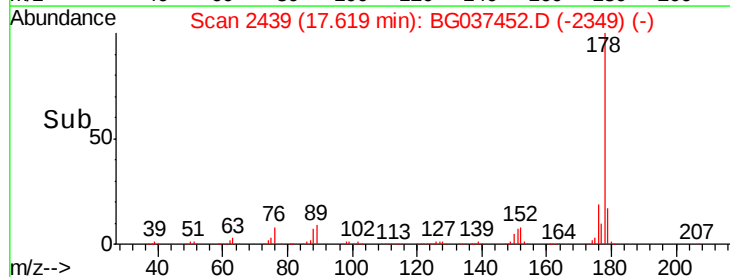
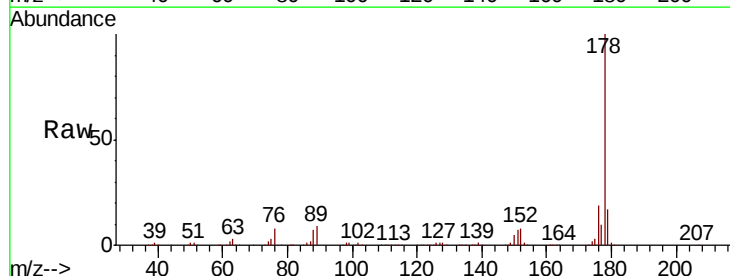
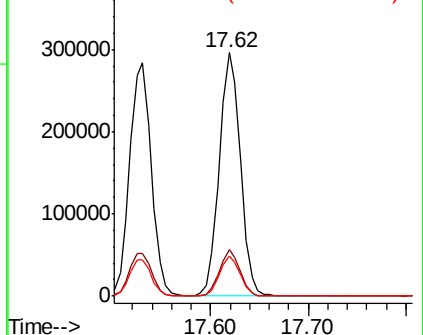
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

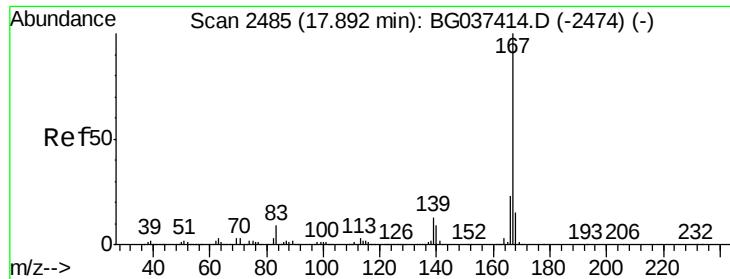


#72
Anthracene
Concen: 22.471 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	16.6	12.8	19.2

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





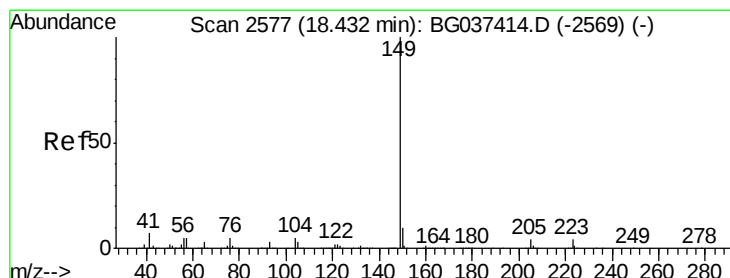
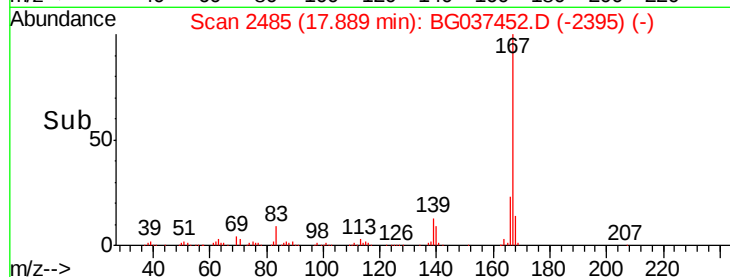
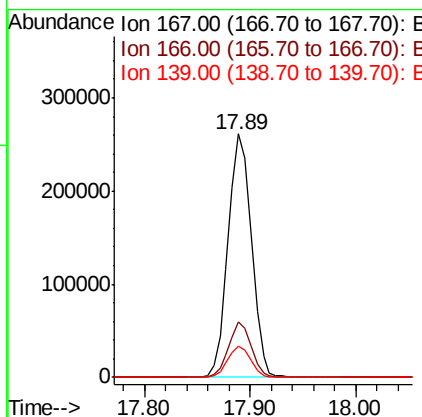
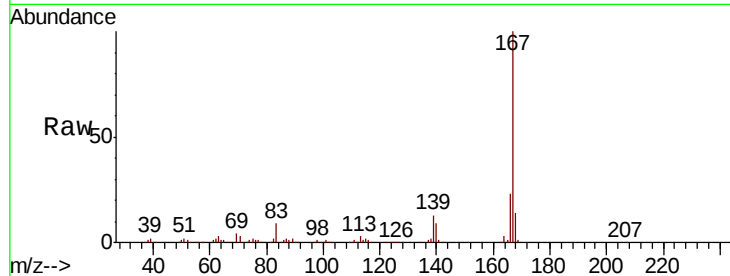
#73
 Carbazole
 Concen: 20.236 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.3	27.5
139	12.6	10.5	15.7

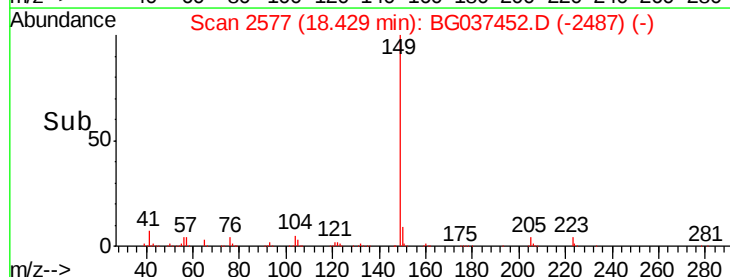
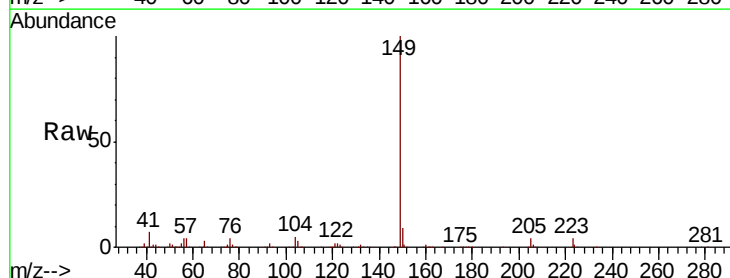
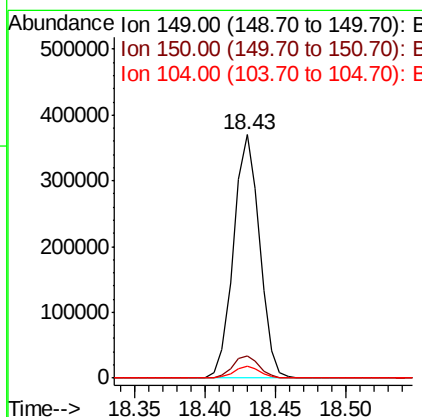
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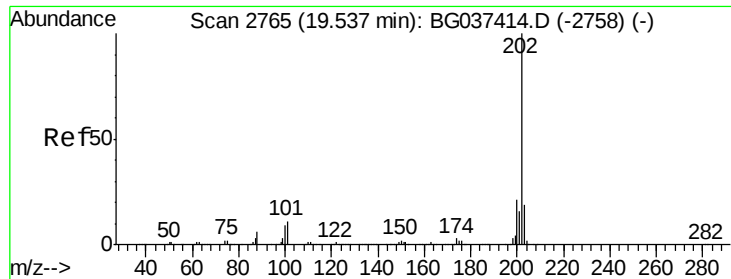
Sohil
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#74
 Di-n-butylphthalate
 Concen: 21.578 ng
 RT: 18.43 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	8.2	12.2
104	4.9	4.0	6.0





#75

Fluoranthene

Concen: 22.372 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

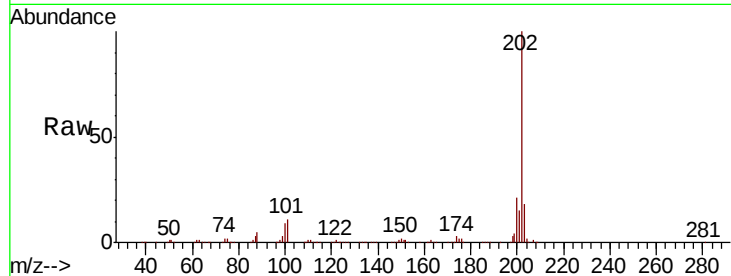
ClientSampleId :

LOQ-SOIL-02-QT4-2018

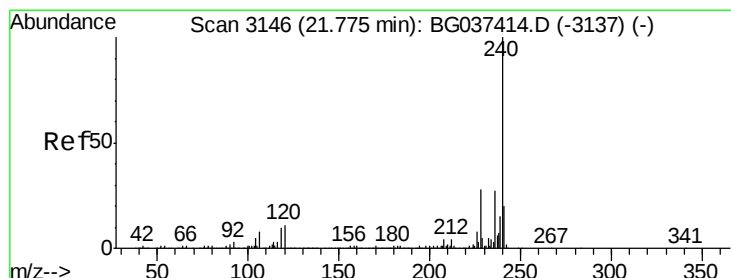
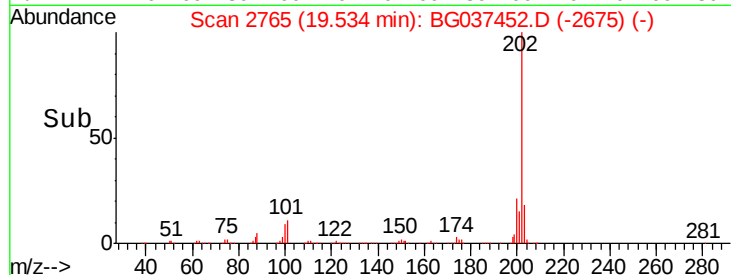
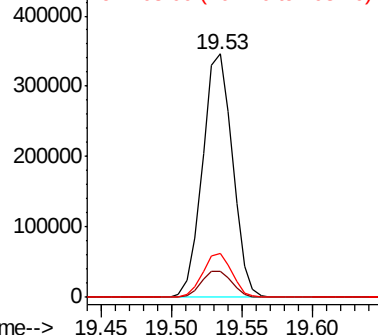
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		511616		
101	10.7	0.0	30.7		
203	18.1	0.0	38.5		

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



#76

Chrysene-d12

Concen: 20.000 ng

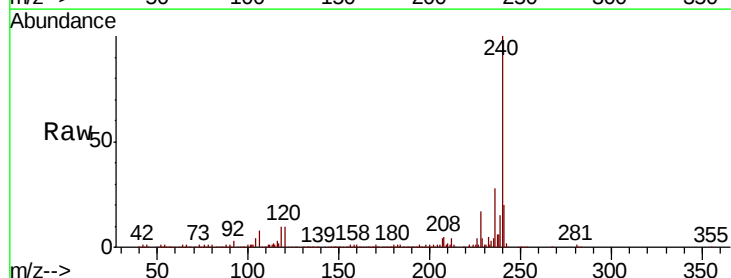
RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

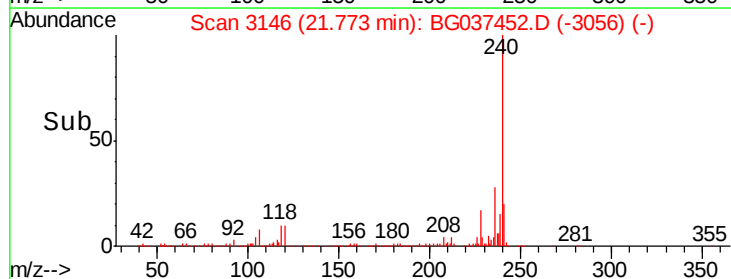
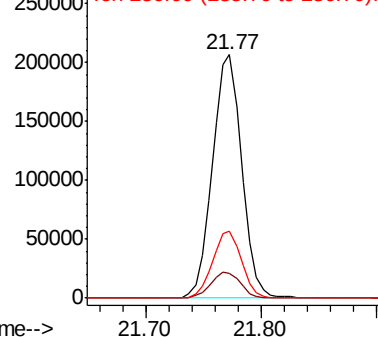
Lab File: BG037452.D

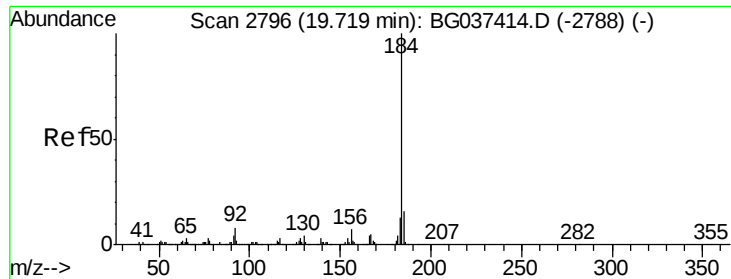
Acq: 19 Oct 2018 14:00

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		362661		
120	10.3	8.1	12.1		
236	27.7	21.4	32.0		



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





#77

Benzidine

Concen: 7.266 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

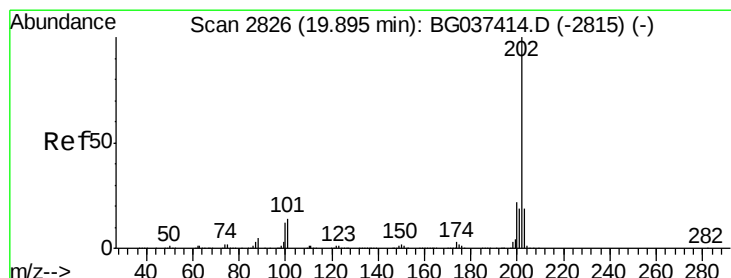
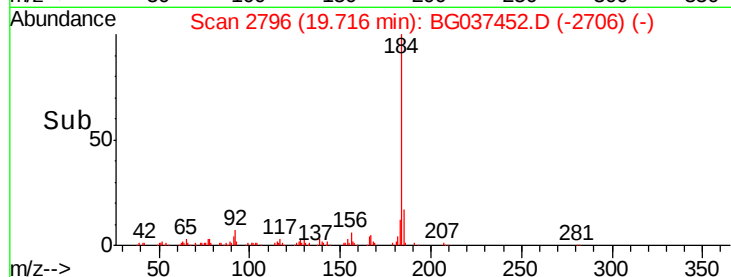
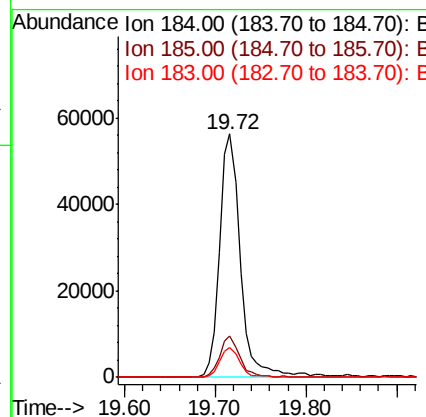
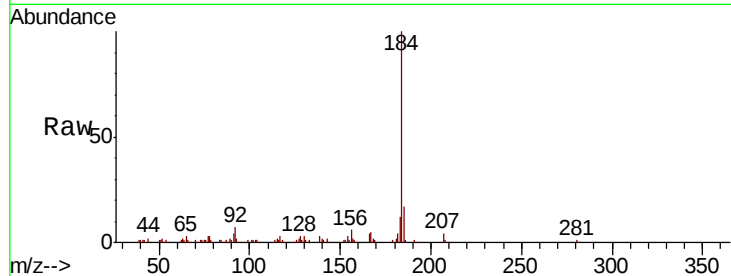
ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	184	Resp:	89606
Ion Ratio	Lower	Upper	
184	100		
185	17.2	12.6	18.8
183	12.2	10.2	15.2

Manual Integrations
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#78

Pyrene

Concen: 21.767 ng

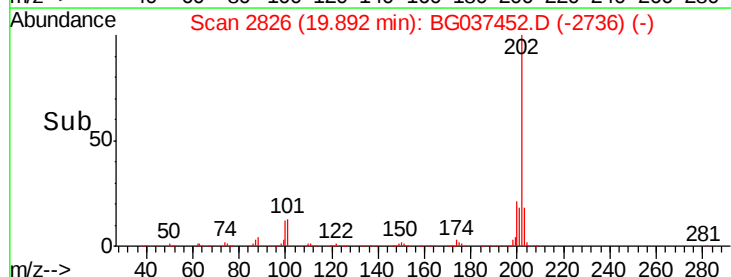
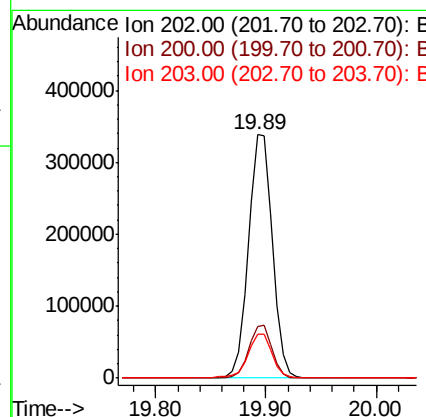
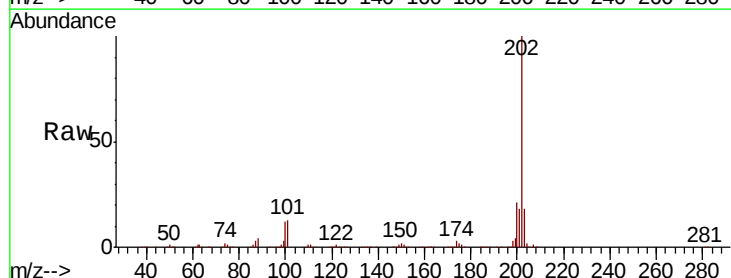
RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	202	Resp:	516039
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.8	26.6
203	18.1	15.2	22.8





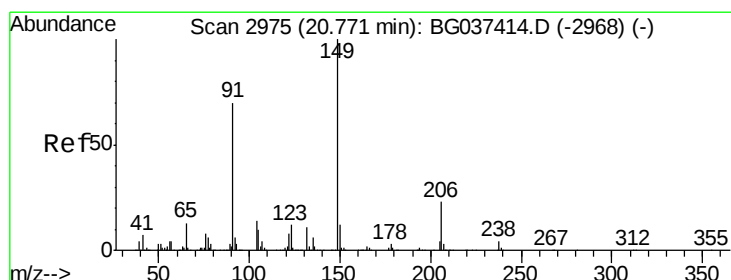
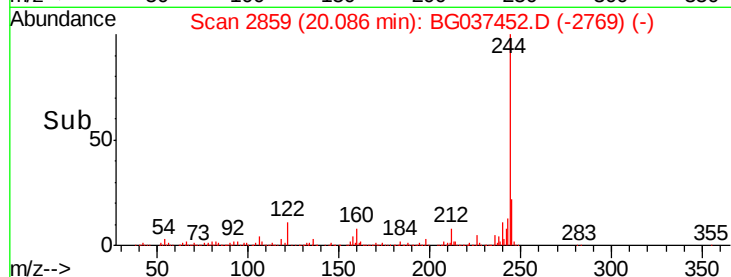
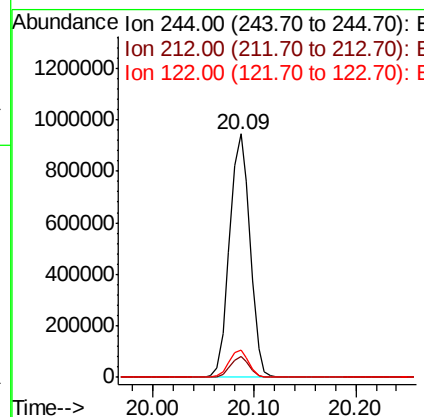
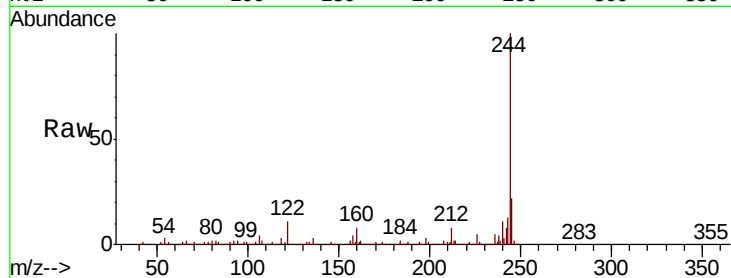
#79
 Terphenyl-d14
 Concen: 77.928 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.0	9.0	13.4

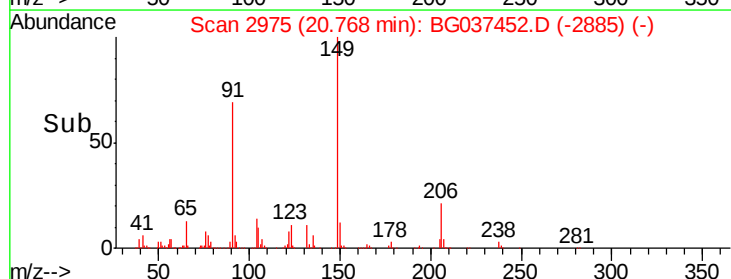
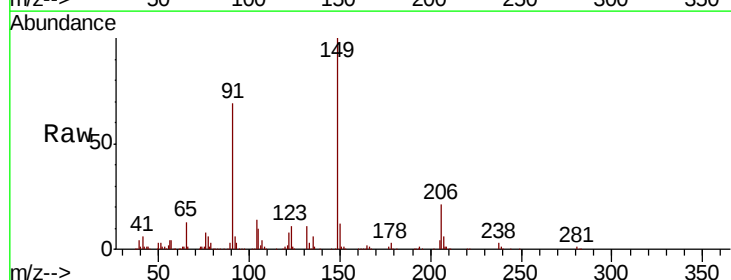
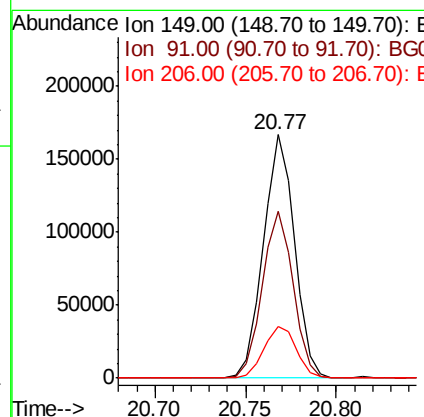
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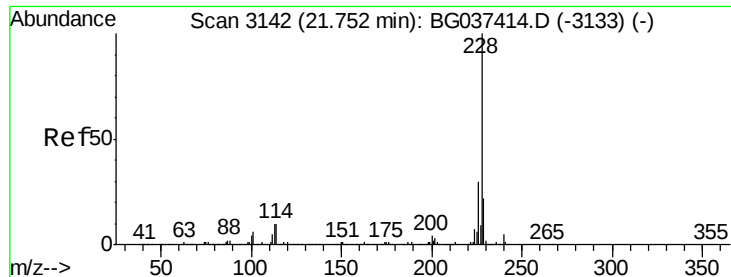
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#80
 Butylbenzylphthalate
 Concen: 20.584 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.7	57.0	85.4
206	21.3	17.8	26.6





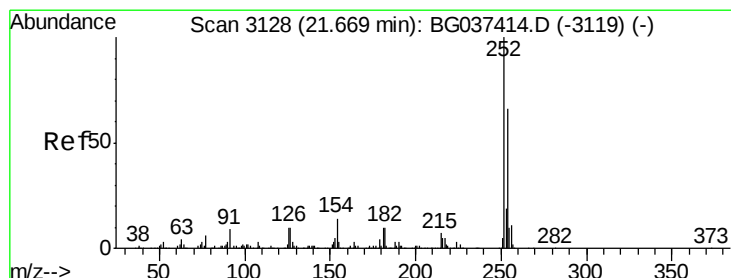
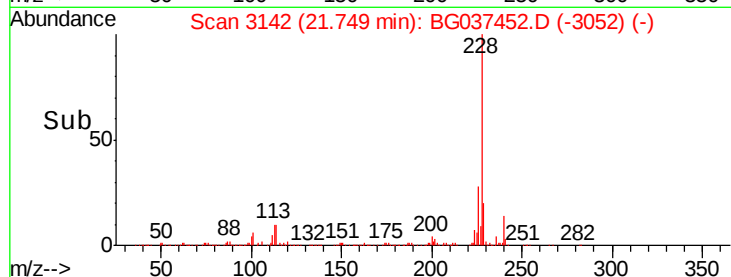
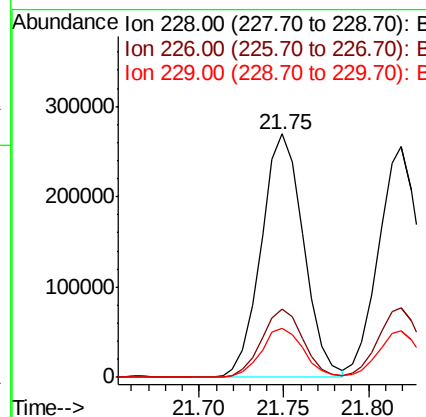
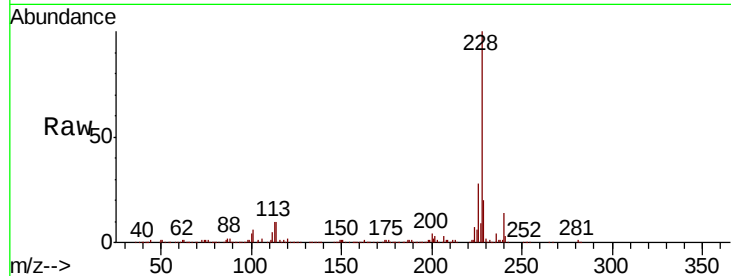
#81
Benzo(a)anthracene
Concen: 21.845 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.3	16.3	24.5

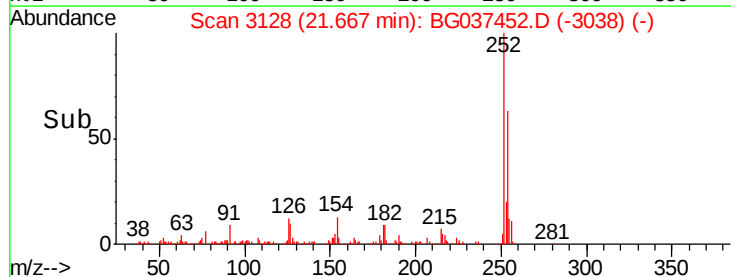
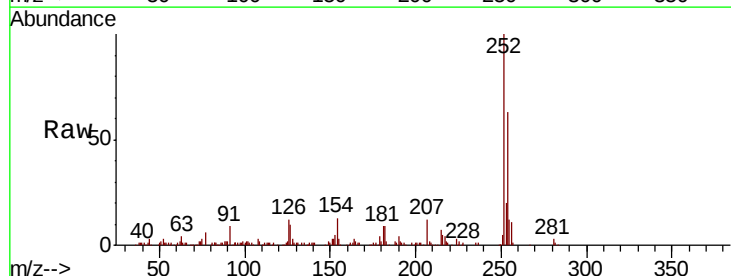
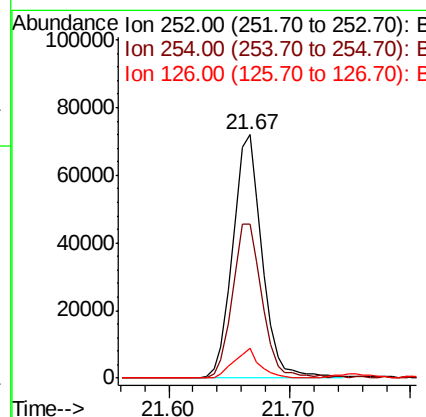
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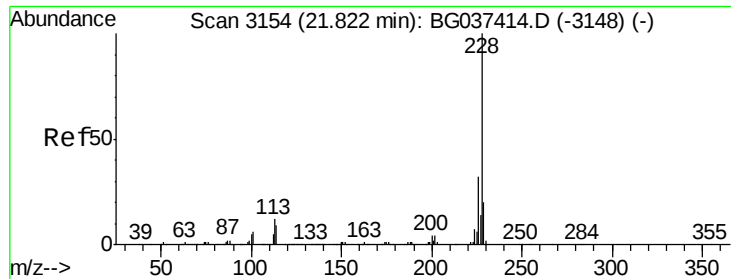
Sohil
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#82
3,3'-Dichlorobenzidine
Concen: 14.636 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	52.0	78.0
126	12.4	8.2	12.4





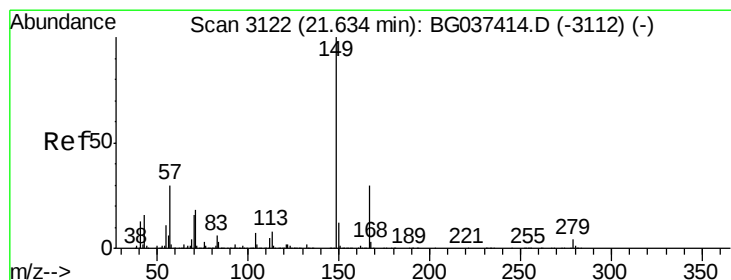
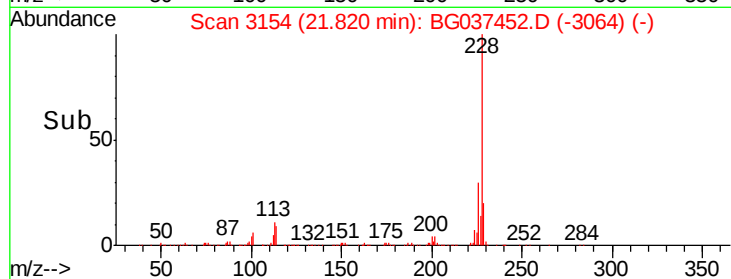
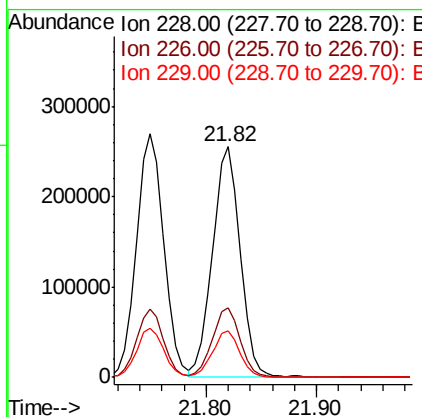
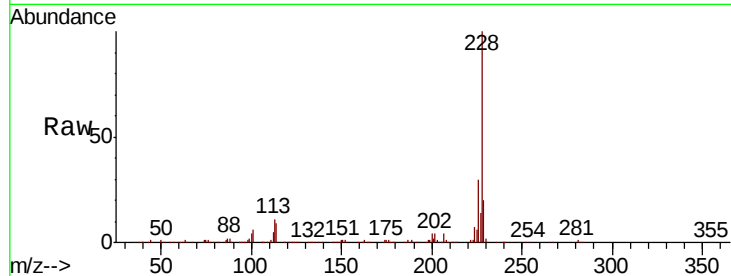
#83
Chrysene
Concen: 21.315 ng
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	20.3	16.5	24.7

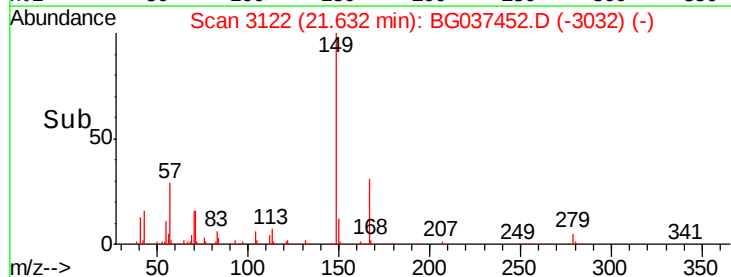
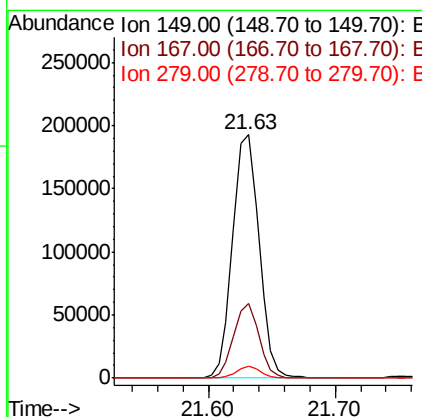
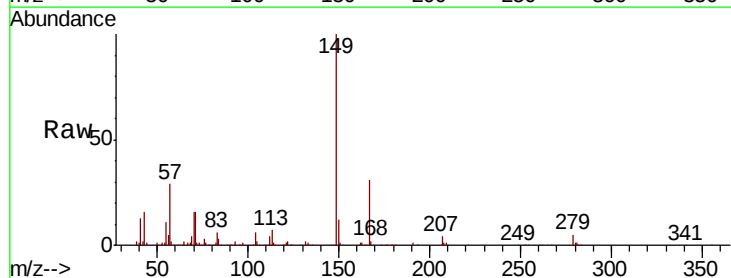
Manual Integrations
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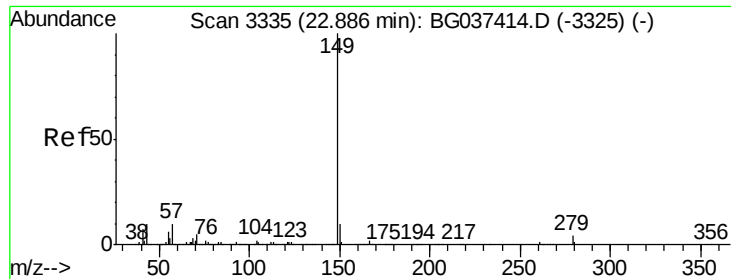
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 20.483 ng
RT: 21.63 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.6	23.0	34.4
279	4.7	3.6	5.4





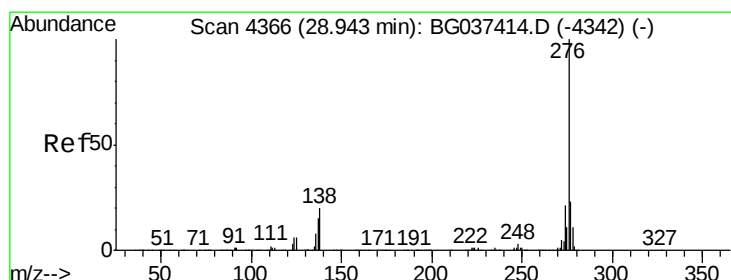
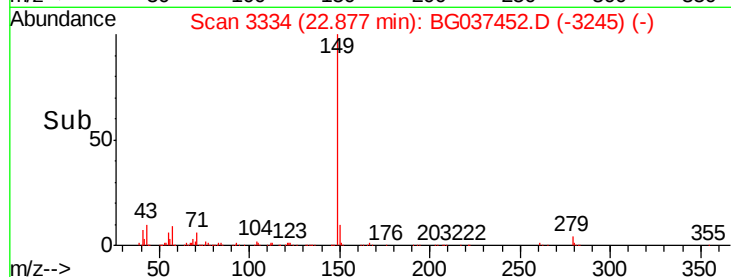
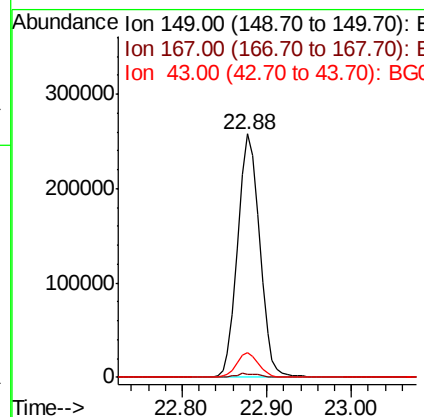
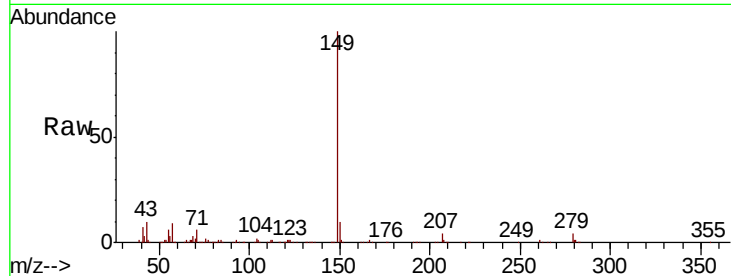
#85
Di-n-octyl phthalate
Concen: 20.825 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	461855		
167	1.6	1.3	1.9	
43	9.9	8.7	13.1	

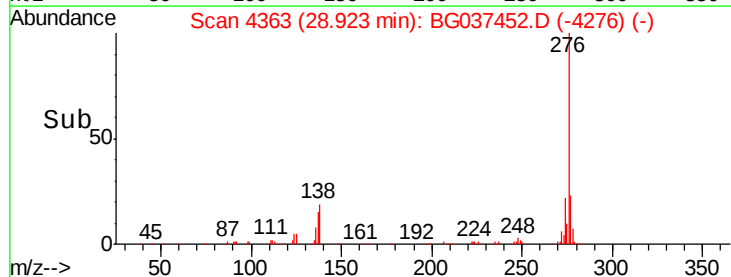
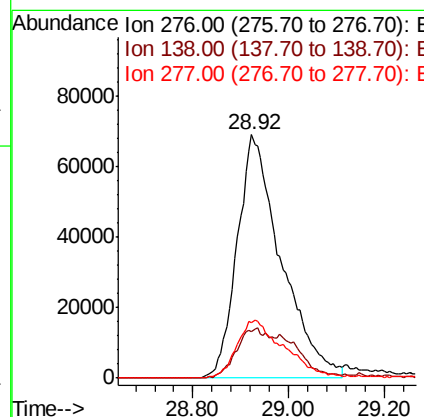
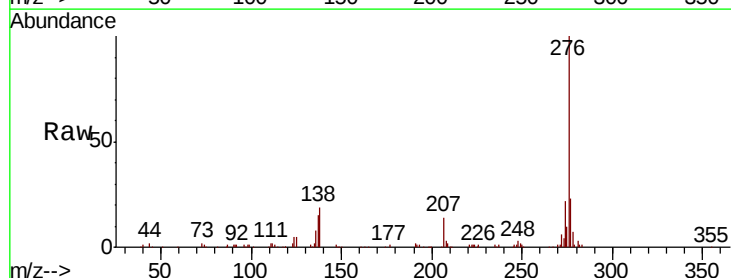
Manual Integrations
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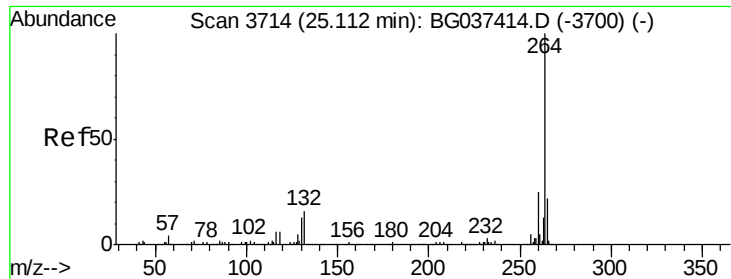
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 19.883 ng
RT: 28.92 min Scan# 4363
Delta R.T. -0.02 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	439875		
138	15.8	12.0	18.0	
277	25.6	20.6	30.8	





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

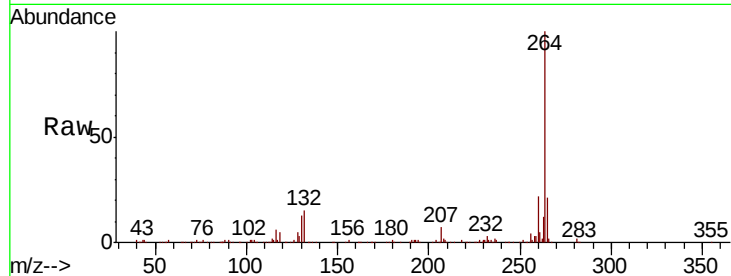
ClientSampleId :

LOQ-SOIL-02-QT4-2018

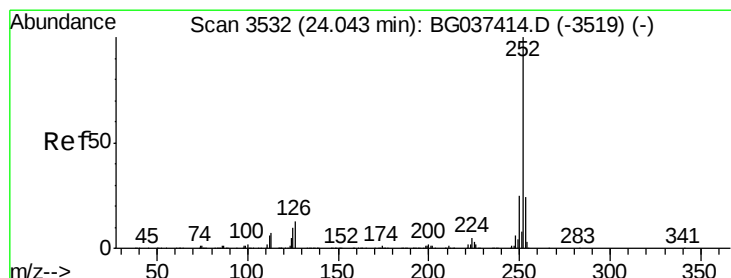
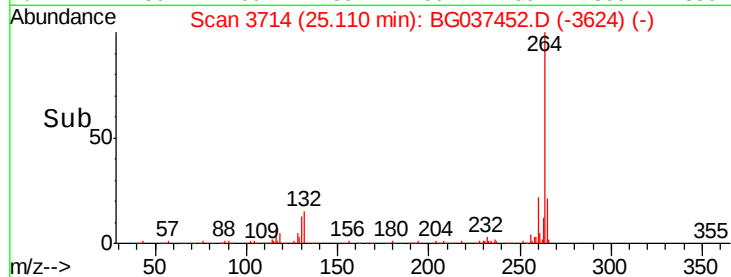
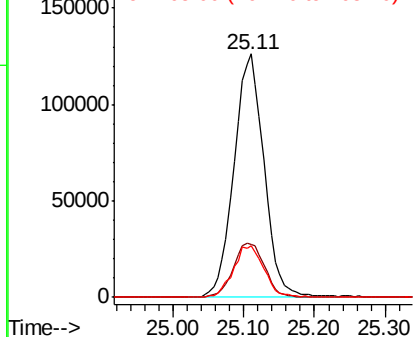
Tgt Ion:	264	Resp:	373007
Ion Ratio	Lower	Upper	
264	100		
260	21.8	18.2	27.4
265	21.1	17.9	26.9

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.387 ng

RT: 24.03 min Scan# 3531

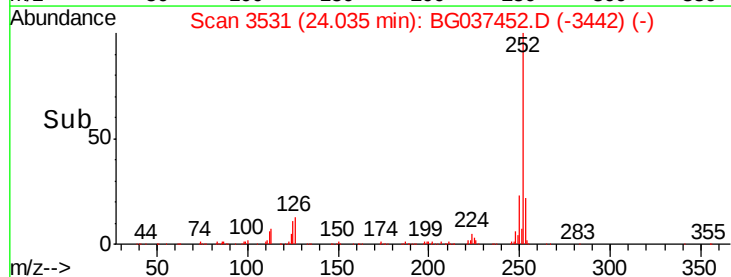
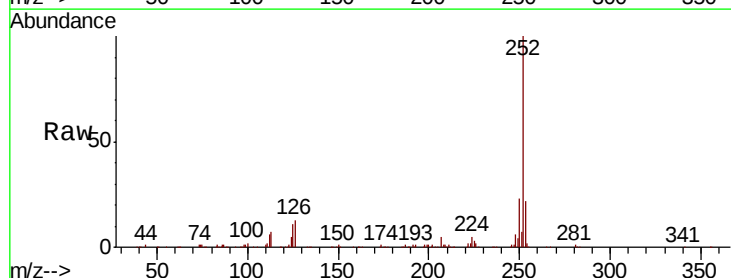
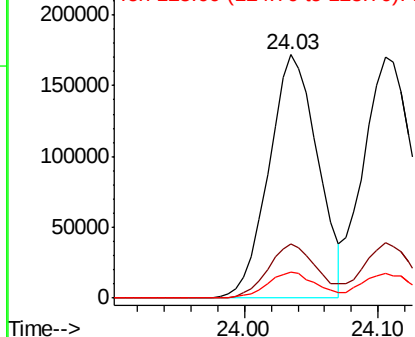
Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:	252	Resp:	437362
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	10.7	7.8	11.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





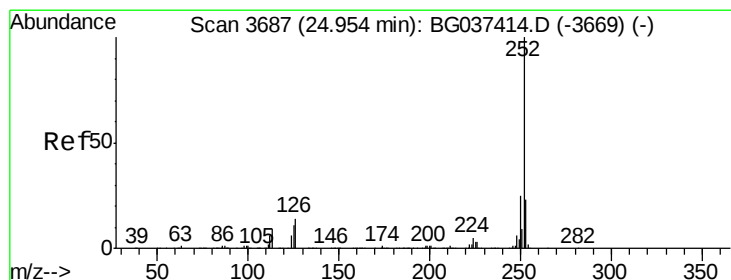
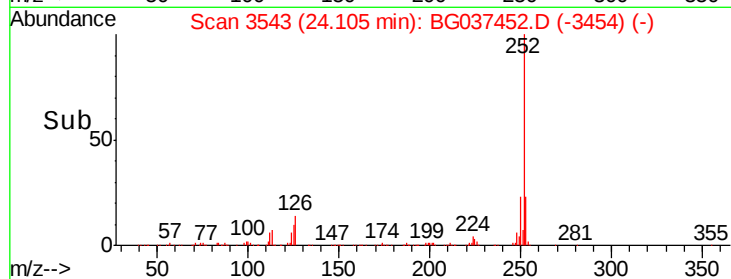
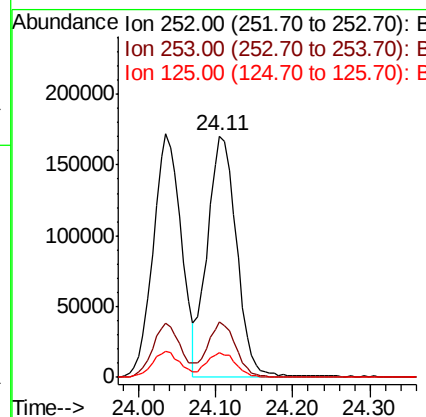
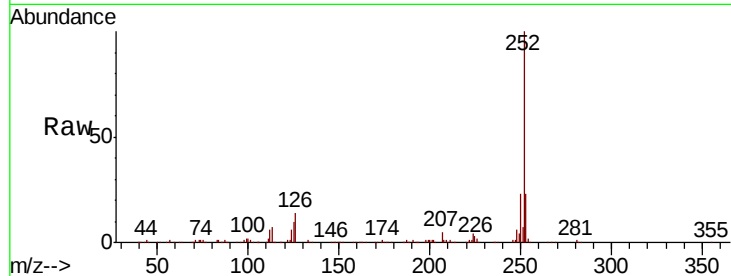
#89
Benzo(k)fluoranthene
Concen: 22.213 ng
RT: 24.11 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.5	7.4	11.0

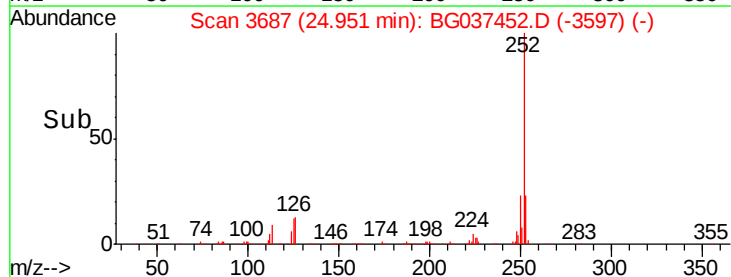
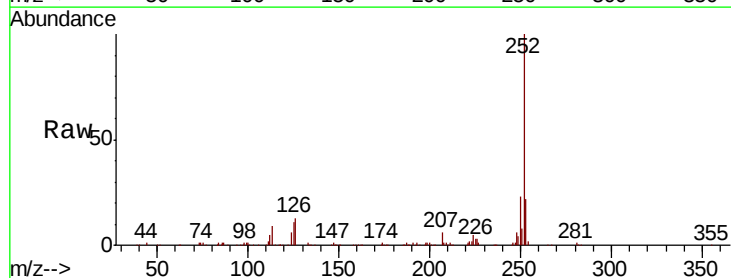
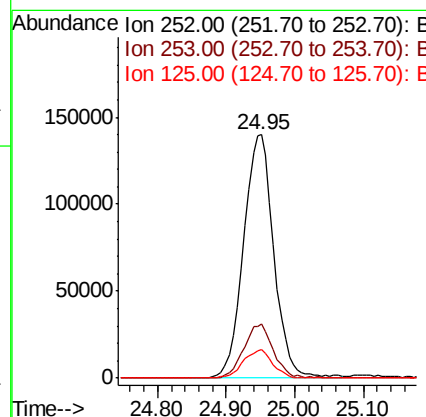
Manual Integrations
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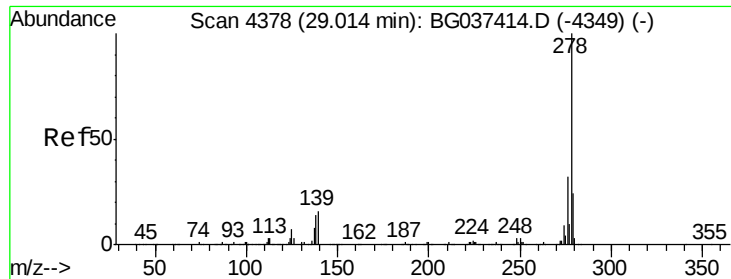
Sohil
10/22/2018 3:38:05 PM



#90
Benzo(a)pyrene
Concen: 22.092 ng
RT: 24.95 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	11.5	9.0	13.6





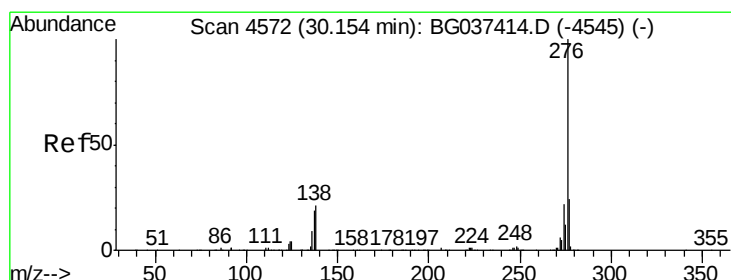
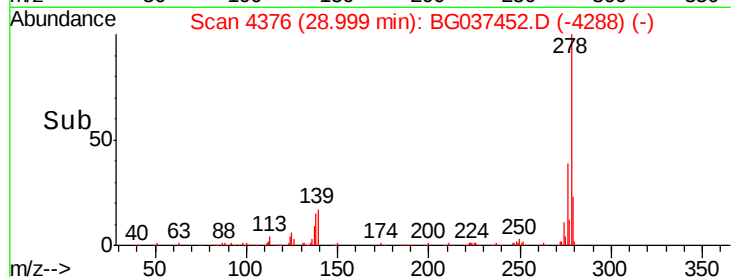
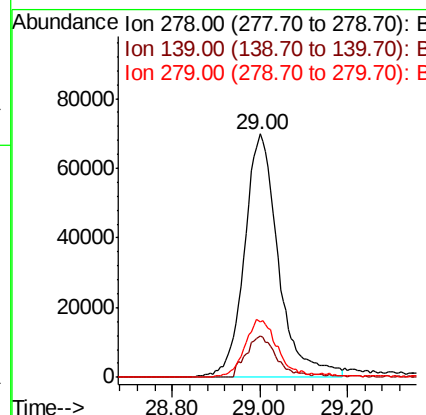
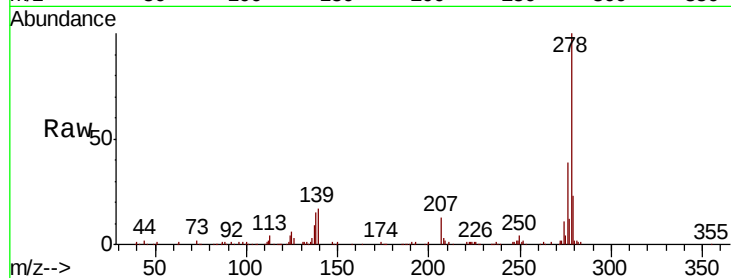
#91
Dibenzo(a,h)anthracene
Concen: 20.530 ng
RT: 29.00 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.5	17.3
279	22.8	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:38:05 PM



#92
Benzo(g,h,i)perylene
Concen: 20.244 ng
RT: 30.13 min Scan# 4569
Delta R.T. -0.02 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	21.8	17.2	25.8

