

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032540.D
 Acq On : 5 Feb 2018 19:02
 Operator : SJ/JU
 Sample : J1161-02
 Misc : L00 20PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 2/6/2018 8:45:08 AM

Quant Time: Feb 06 04:11:54 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	17521	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	71524	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	50962	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	124580	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	159000	20.00	ng	-0.02
86) Perylene-d12	26.08	264	182666	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.15	112	122249	140.14	ng	0.00
7) Phenol-d6	7.83	99	148536	127.60	ng	0.00
23) Nitrobenzene-d5	9.91	82	87495	76.41	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	135243	139.42	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	334835	78.09	ng	-0.02
78) Terphenyl-d14	20.61	244	668898	90.12	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.81	88	4785	16.304	ng	# 69
3) Pyridine	4.26	79	12100	15.268	ng	# 68
4) n-Nitrosodimethylamine	4.18	42	6047	14.658	ng	# 66
6) Aniline	8.00	93	9599	6.614	ng	# 91
8) 2-Chlorophenol	8.26	128	18855	18.286	ng	# 82
9) Benzaldehyde	7.81	77	13416	22.315	ng	97
10) Phenol	7.85	94	19713	17.833	ng	85
11) bis(2-Chloroethyl)ether	8.09	93	14348	17.035	ng	85
12) 1,3-Dichlorobenzene	8.59	146	21555	15.457	ng	# 91
13) 1,4-Dichlorobenzene	8.75	146	22180m	15.869	ng	
14) 1,2-Dichlorobenzene	9.08	146	21172	15.463	ng	89
15) Benzyl Alcohol	8.95	79	14918	15.550	ng	91
16) 2,2'-oxybis(1-Chloropropan	9.23	45	12487	15.645	ng	62
17) 2-Methylphenol	9.15	107	14234	15.854	ng	96
18) Hexachloroethane	9.82	117	8076	17.210	ng	93
19) n-Nitroso-di-n-propylamine	9.52	70	11290	14.628	ng	# 84
20) 3+4-Methylphenols	9.49	107	19740	15.675	ng	95
22) Acetophenone	9.55	105	26887	16.037	ng	# 85
24) Nitrobenzene	9.95	77	17145	15.484	ng	# 86
25) Isophorone	10.47	82	32982	16.915	ng	# 91
26) 2-Nitrophenol	10.68	139	11522	17.214	ng	# 69
27) 2,4-Dimethylphenol	10.71	122	16756	17.441	ng	84
28) bis(2-Chloroethoxy)methane	10.96	93	17807	16.654	ng	# 93
29) 2,4-Dichlorophenol	11.22	162	18607	14.620	ng	86
30) 1,2,4-Trichlorobenzene	11.44	180	25296	14.913	ng	96
31) Naphthalene	11.64	128	58557	16.763	ng	# 93
32) Benzoic acid	10.81	122	5656m	13.978	ng	
33) 4-Chloroaniline	11.74	127	9249	5.936	ng	# 88
34) Hexachlorobutadiene	11.91	225	20325	15.400	ng	92
35) Caprolactam	12.47	113	5970	16.340	ng	# 35
36) 4-Chloro-3-methylphenol	12.82	107	19710	16.327	ng	# 76
37) 2-Methylnaphthalene	13.21	142	45894	15.638	ng	86
39) 1,2,4,5-Tetrachlorobenzene	13.56	216	34434	14.443	ng	# 96
40) Hexachlorocyclopentadiene	13.54	237	20227	13.578	ng	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.79	196	19694	15.186	nq	97
43) 2,4,5-Trichlorophenol	13.86	196	24318	16.086	nq #	80
45) 1,1'-Biphenyl	14.18	154	67176	15.602	nq	95
46) 2-Chloronaphthalene	14.24	162	52736	15.627	nq	93
47) 2-Nitroaniline	14.43	65	10409	13.948	nq #	73
48) Acenaphthylene	15.07	152	78297	15.348	nq	98
49) Dimethylphthalate	14.77	163	69305	14.749	nq	98
50) 2,6-Dinitrotoluene	14.90	165	15444	15.659	nq #	69
51) Acenaphthene	15.40	154	50196	14.187	nq	99
52) 3-Nitroaniline	15.24	138	8632	10.020	nq #	70
53) 2,4-Dinitrophenol	15.44	184	1758	6.813	nq #	73
54) Dibenzofuran	15.74	168	82976	15.845	nq	98
55) 4-Nitrophenol	15.53	139	9102	14.113	nq #	74
56) 2,4-Dinitrotoluene	15.68	165	21706	15.458	nq #	71
57) Fluorene	16.38	166	67230	15.450	nq	99
58) 2,3,4,6-Tetrachlorophenol	15.95	232	23295	15.624	nq #	85
59) Diethylphthalate	16.11	149	67942	14.846	nq	95
60) 4-Chlorophenyl-phenylether	16.36	204	41877	15.261	nq	91
61) 4-Nitroaniline	16.40	138	13634	14.766	nq #	76
62) Azobenzene	16.65	77	43122	15.767	nq	87
64) 4,6-Dinitro-2-methylphenol	16.44	198	10366	11.138	nq #	66
65) n-Nitrosodiphenylamine	16.57	169	62242	16.741	nq	97
66) 4-Bromophenyl-phenylether	17.25	248	29670	16.076	nq	97
67) Hexachlorobenzene	17.38	284	34438	16.861	nq #	92
68) Atrazine	17.49	200	27513	17.239	nq	97
69) Pentachlorophenol	17.72	266	14677	11.471	nq	99
70) Phenanthrene	18.12	178	114264	16.447	nq	99
71) Anthracene	18.21	178	119302	17.246	nq	95
72) Carbazole	18.47	167	99264	16.241	nq	98
73) Di-n-butylphthalate	18.98	149	114580	16.932	nq	98
74) Fluoranthene	20.09	202	151189	16.594	nq	95
76) Benzidine	20.25	184	24392	7.813	nq	96
77) Pyrene	20.44	202	151317	15.516	nq	100
79) Butylbenzylphthalate	21.30	149	53937	17.535	nq #	75
80) Benzo(a)anthracene	22.38	228	164458	16.684	nq	96
81) 3,3'-Dichlorobenzidine	22.28	252	32259	8.447	nq #	98
82) Chrysene	22.45	228	156720	16.463	nq	95
83) Bis(2-ethylhexyl)phthalate	22.22	149	77702	17.815	nq #	96
84) Di-n-octyl phthalate	23.58	149	135162	19.538	nq #	88
85) Indeno(1,2,3-cd)pyrene	30.32	276	218756	18.166	nq #	53
87) Benzo(b)fluoranthene	24.89	252	183530	16.628	nq #	94
88) Benzo(k)fluoranthene	24.97	252	178847	16.358	nq #	97
89) Benzo(a)pyrene	25.90	252	172639	16.407	nq #	95
90) Dibenzo(a,h)anthracene	30.38	278	185775	17.259	nq #	95
91) Benzo(g,h,i)perylene	31.65	276	182478	17.079	nq #	91

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

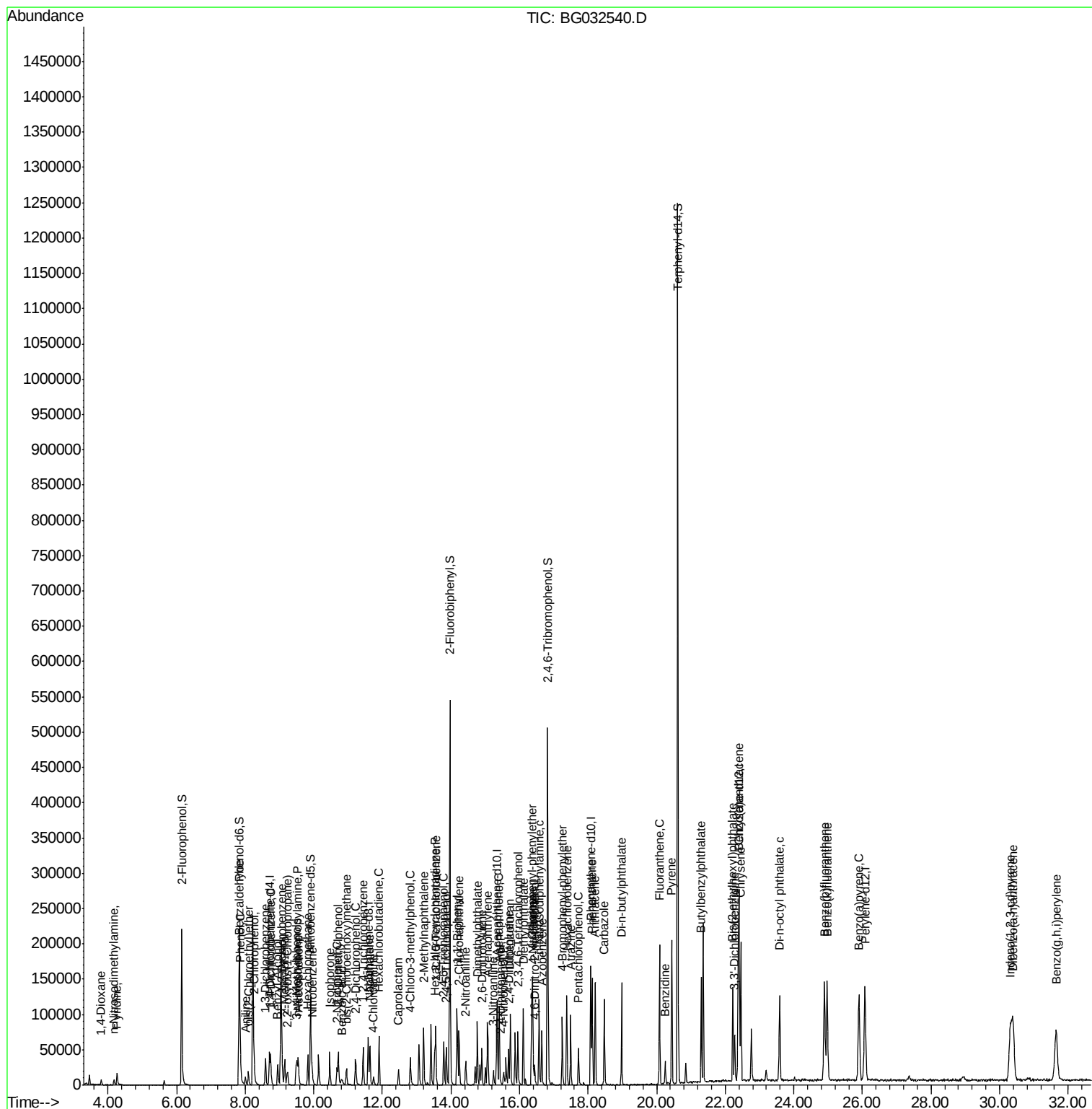
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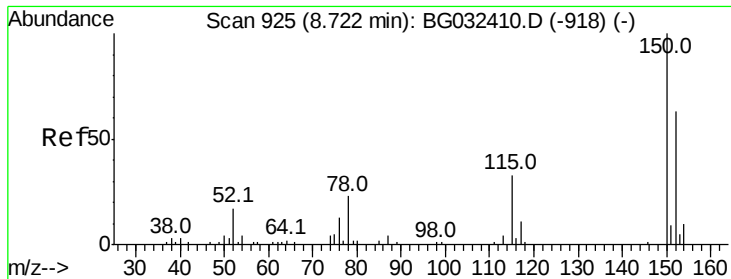
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#1

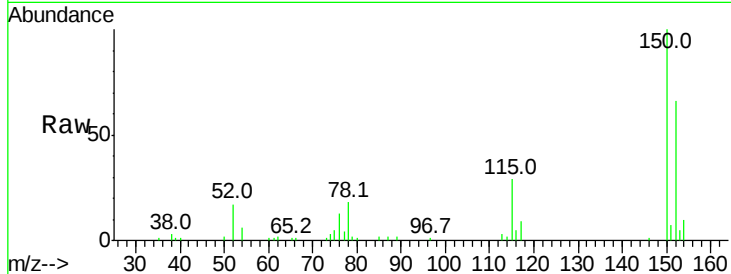
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

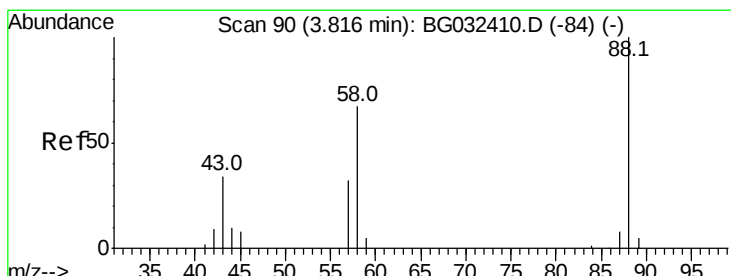
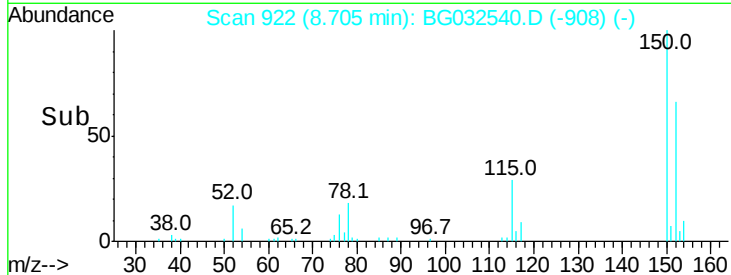
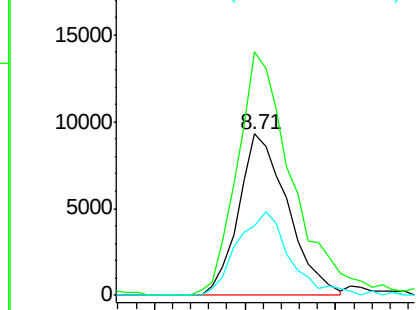
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.6	189.8
115	43.2	53.0	79.4

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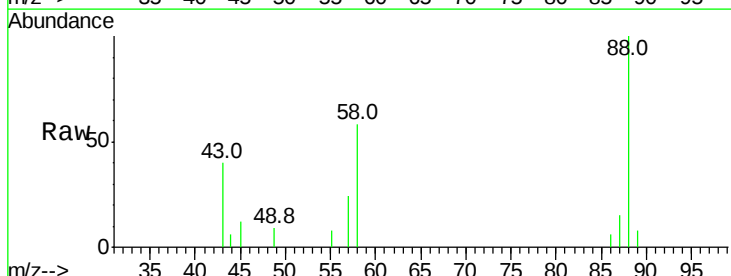
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



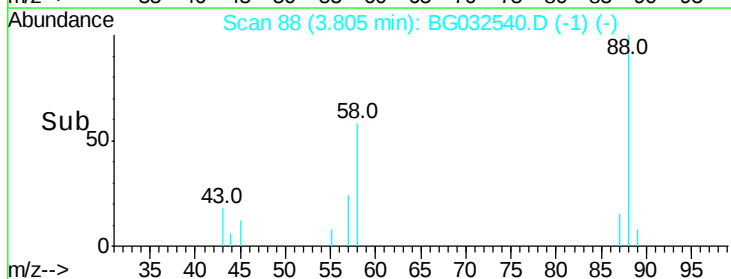
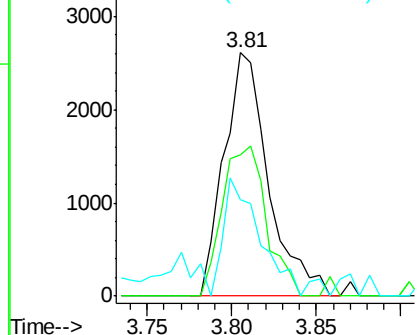
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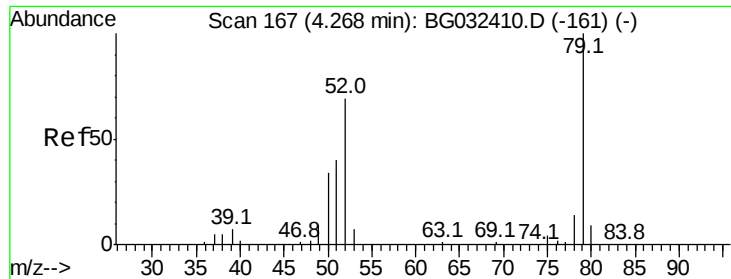
1,4-Dioxane
Concen: 16.304 ng
RT: 3.81 min Scan# 88
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.9	79.6	119.4
43	39.6	27.4	41.0



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





#3

Pvridine

Concen: 15.268 ng

RT: 4.26 min Scan# 165

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

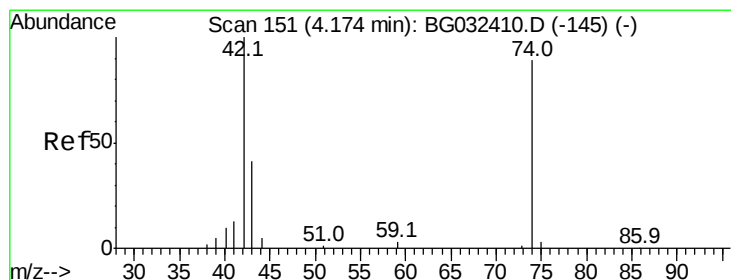
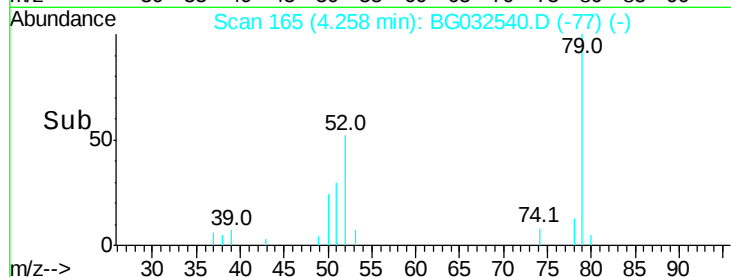
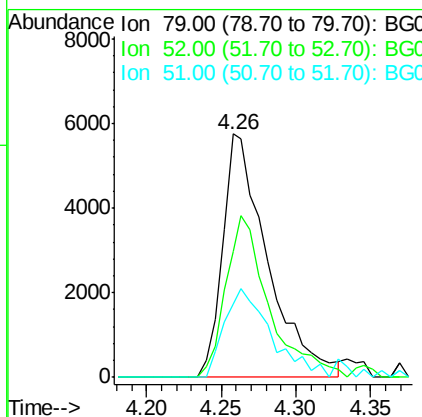
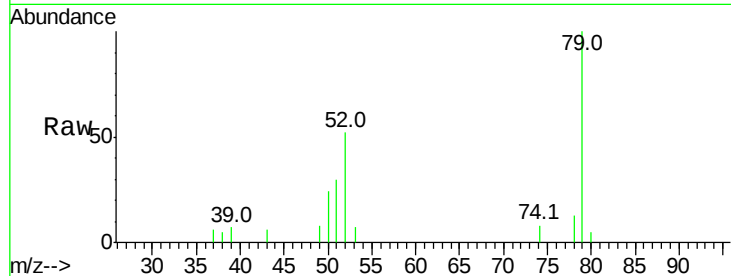
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	79	Resp:	12100
Ion	Ratio	Lower	Upper
79	100		
52	51.5	69.9	104.9#
51	30.2	34.0	51.0#

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#4

n-Nitrosodimethylamine

Concen: 14.658 ng

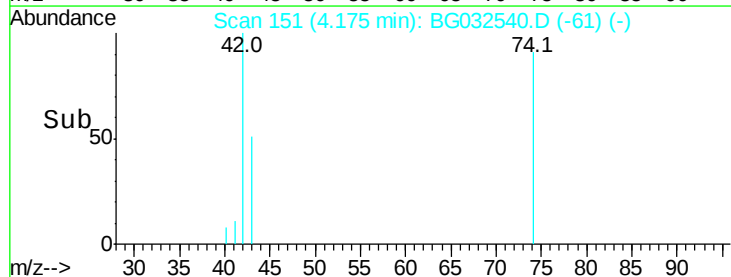
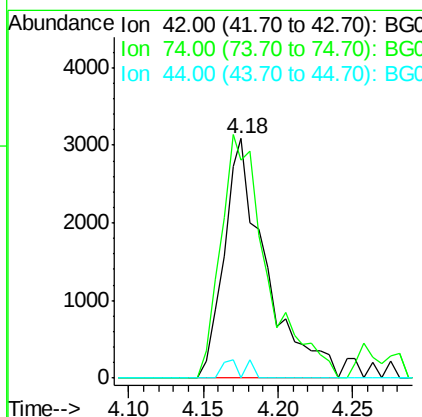
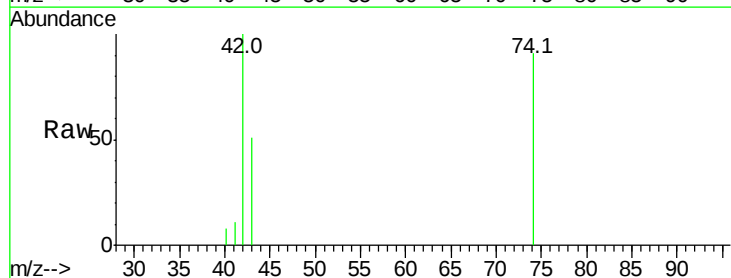
RT: 4.18 min Scan# 151

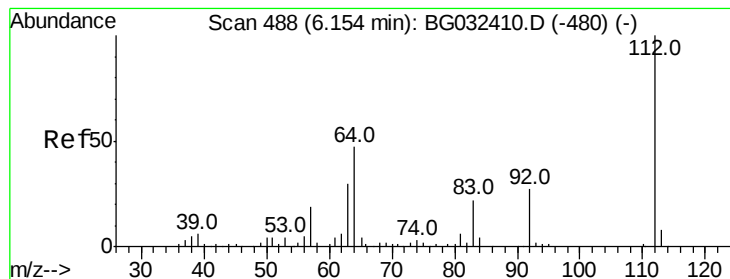
Delta R.T. 0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	42	Resp:	6047
Ion	Ratio	Lower	Upper
42	100		
74	91.3	102.5	153.7#
44	0.0	18.9	28.3#





#5

2-Fluorophenol

Concen: 140.143 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

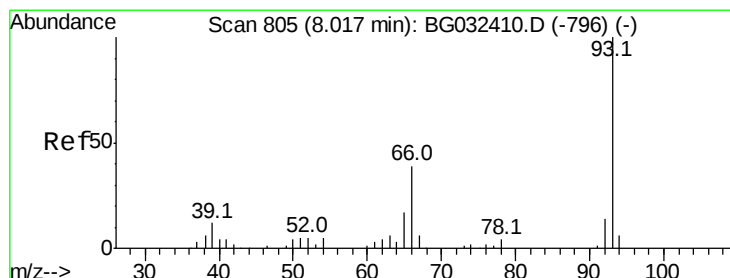
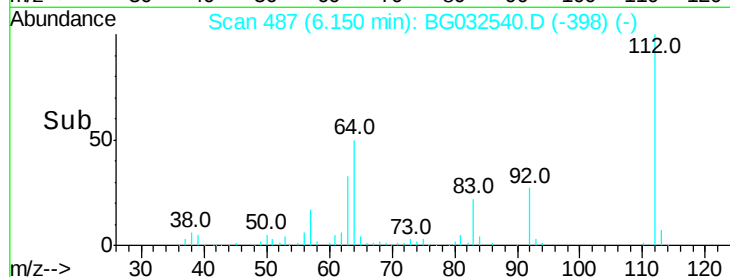
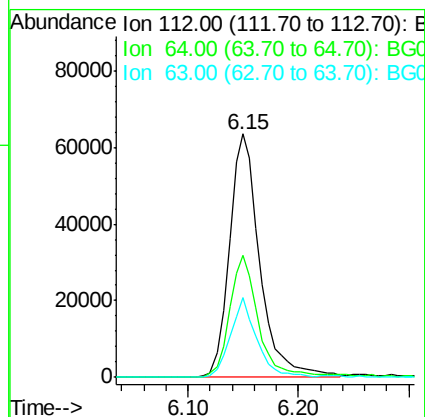
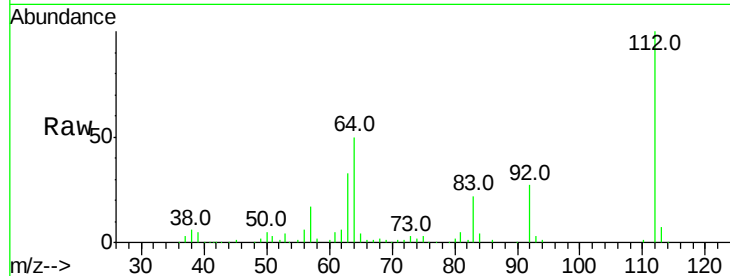
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	112	Resp:	122249
Ion Ratio	Lower	Upper	
112	100		
64	50.2	56.3	84.5#
63	32.5	30.1	45.1

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#6

Aniline

Concen: 6.614 ng

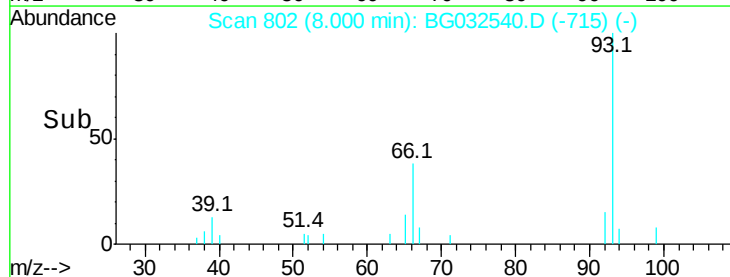
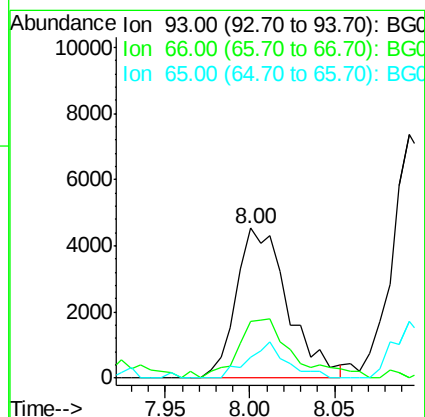
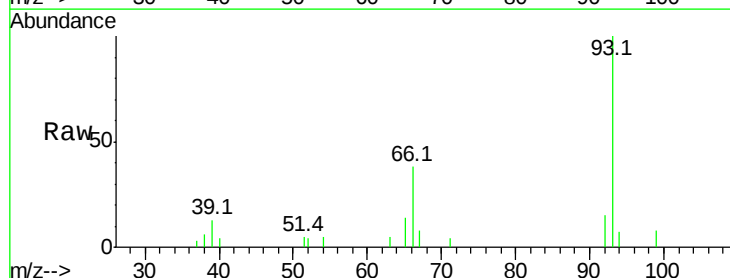
RT: 8.00 min Scan# 802

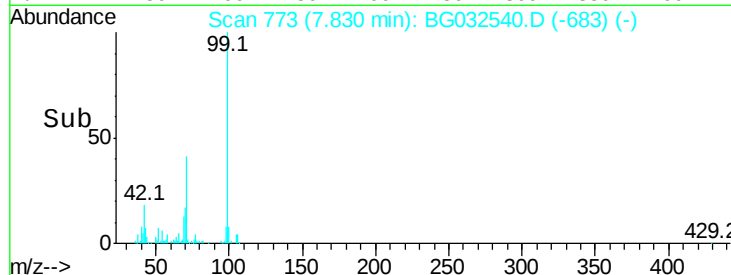
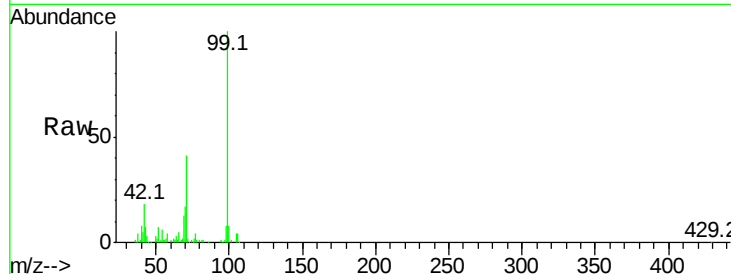
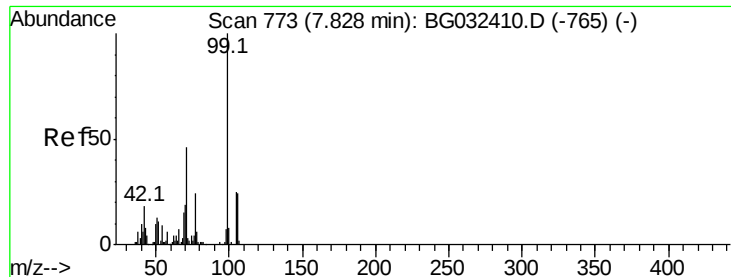
Delta R.T. -0.02 min

Lab File: BG032540.D

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Tgt Ion:	93	Resp:	9599
Ion Ratio	Lower	Upper	
93	100		
66	37.6	33.7	50.5
65	13.9	16.1	24.1#





#7

Phenol-d6

Concen: 127.604 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tot Ion	99	Resp	148536
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.1	21.1
71	40.7	26.1	39.1#

Instrument :

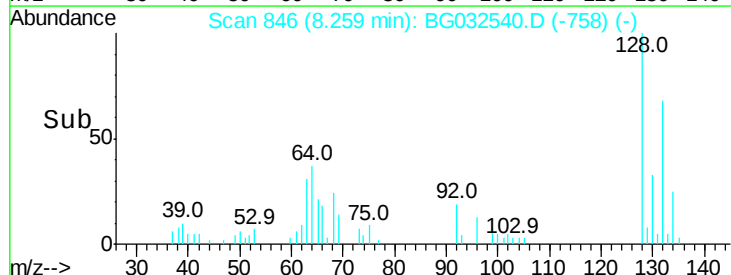
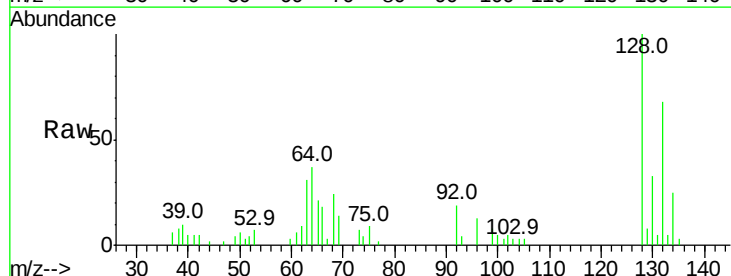
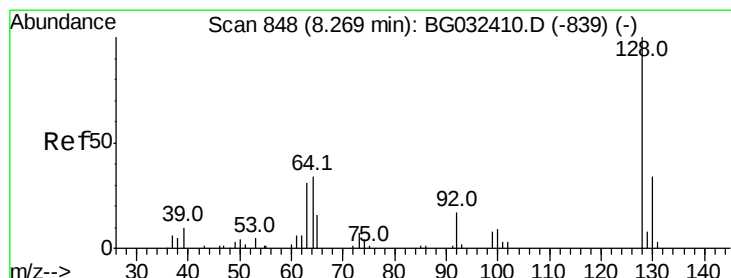
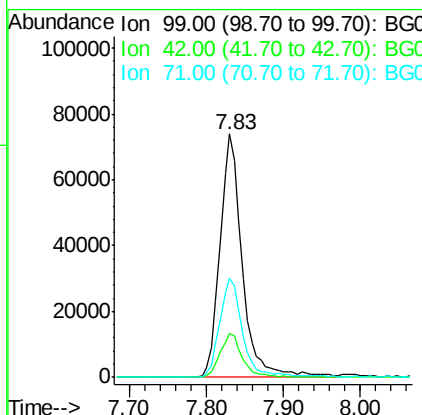
BNA_G

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#8

2-Chlorophenol

Concen: 18.286 ng

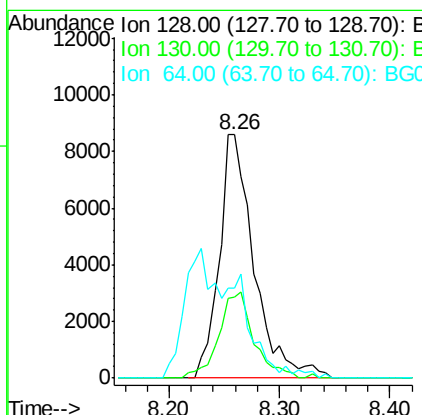
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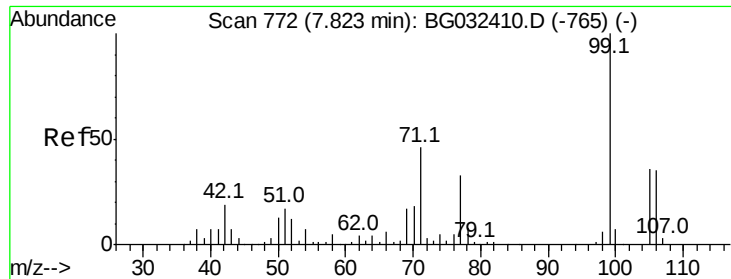
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion	128	Resp	18855
Ion	Ratio	Lower	Upper
128	100		
130	33.2	14.0	54.0
64	36.9	37.7	77.7#





#9

Benzaldehyde

Concen: 22.315 ng

RT: 7.81 min Scan# 770

Delta R.T. -0.01 min

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Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion: 77 Resp: 13416

Ion Ratio Lower Upper

77 100

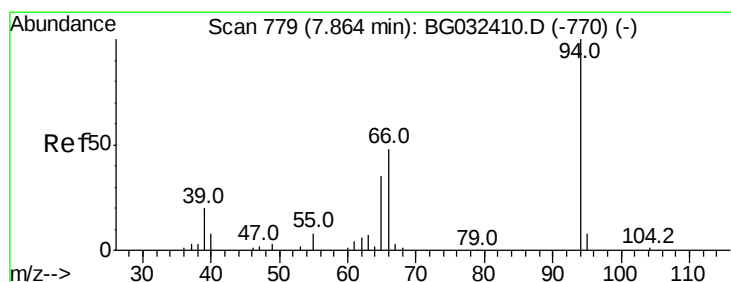
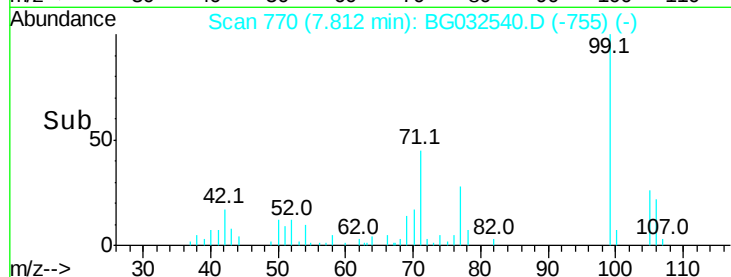
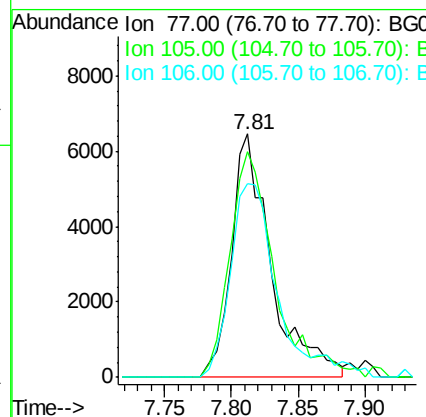
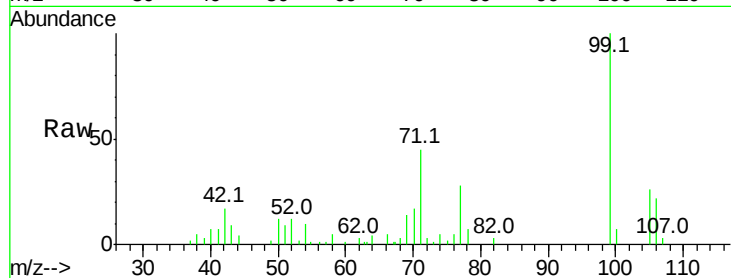
105 92.8 71.3 111.3

106 79.6 64.2 104.2

Manual Integrations
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#10

Phenol

Concen: 17.833 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

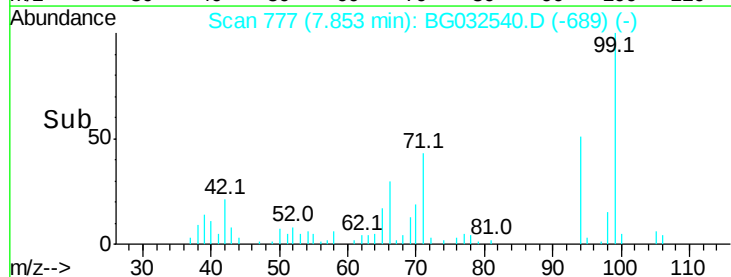
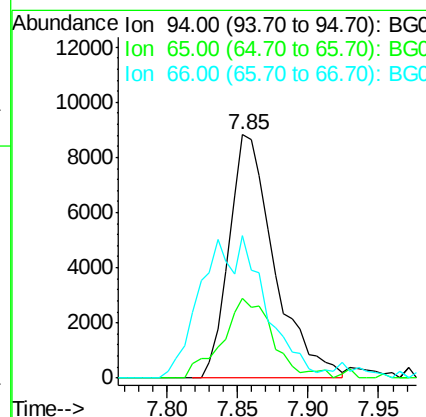
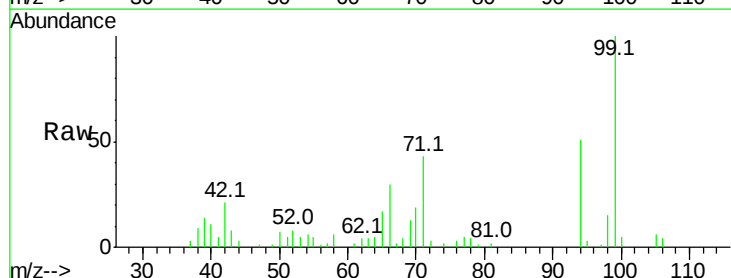
Tgt Ion: 94 Resp: 19713

Ion Ratio Lower Upper

94 100

65 32.6 11.9 51.9

66 58.5 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 17.035 ng

RT: 8.09 min Scan# 818

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

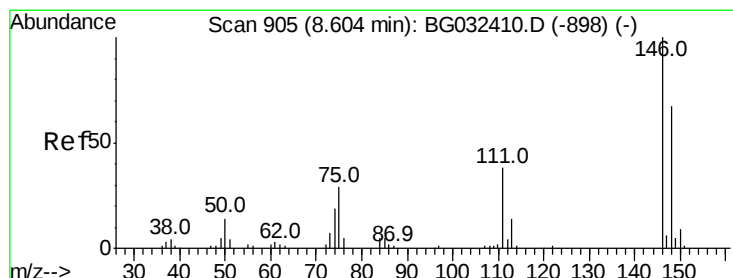
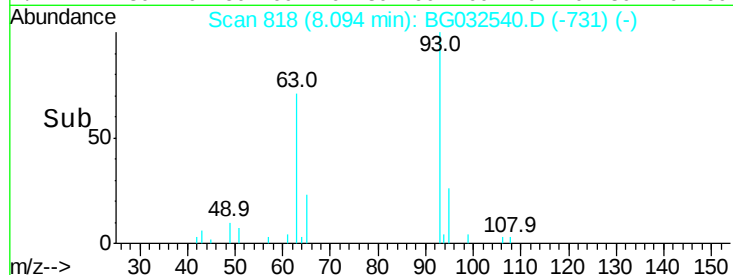
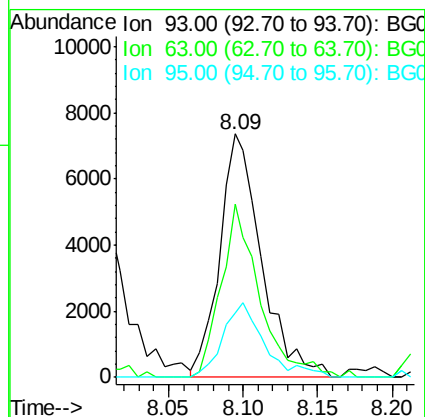
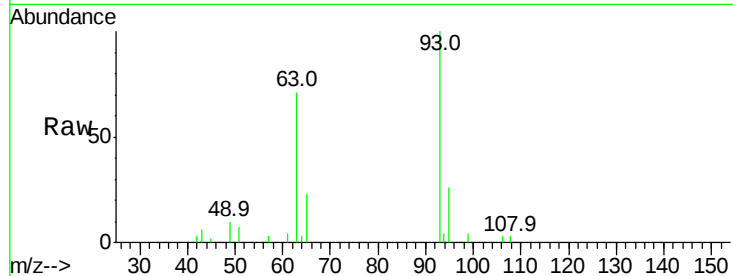
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	93	Resp:	14348
Ion	Ratio	Lower	Upper
93	100		
63	71.2	67.1	107.1
95	26.5	11.5	51.5

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#12

1,3-Dichlorobenzene

Concen: 15.457 ng

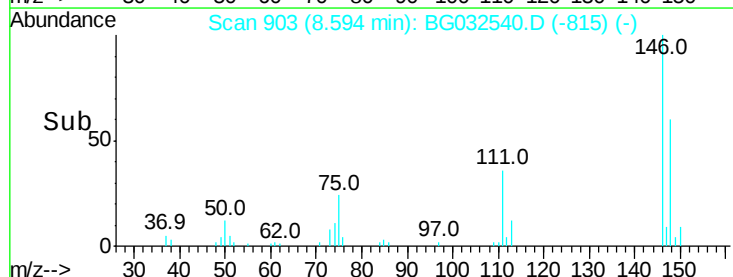
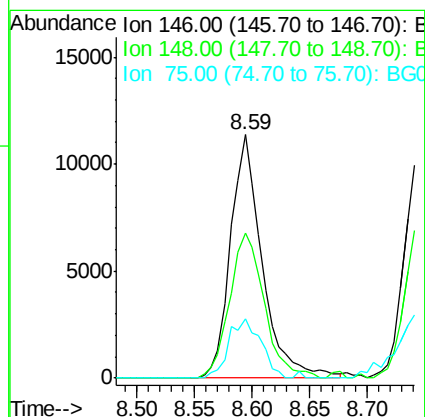
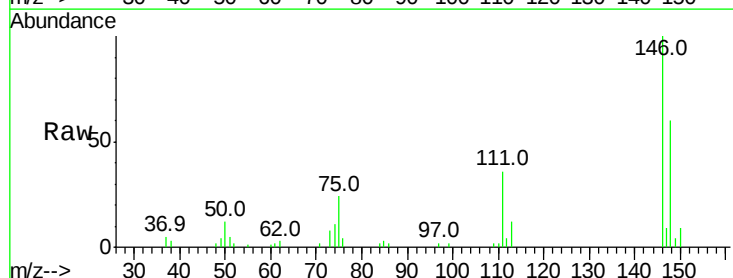
RT: 8.59 min Scan# 903

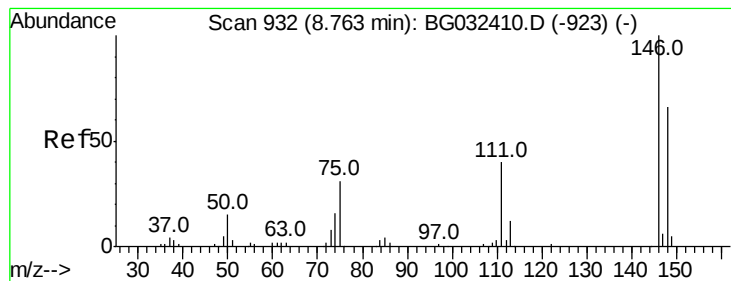
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	146	Resp:	21555
Ion	Ratio	Lower	Upper
146	100		
148	59.5	51.4	77.2
75	24.1	26.6	39.8#





#13

1,4-Dichlorobenzene

Concen: 15.869 ng/mL

RT: 8.75 min Scan# 929

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

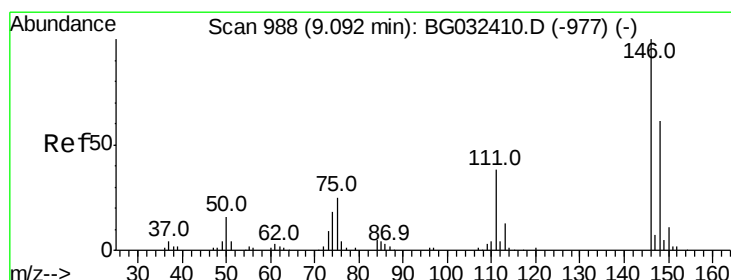
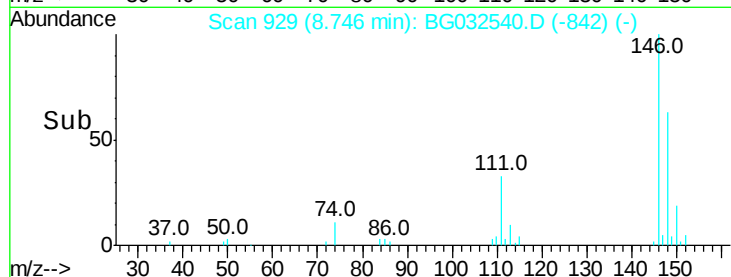
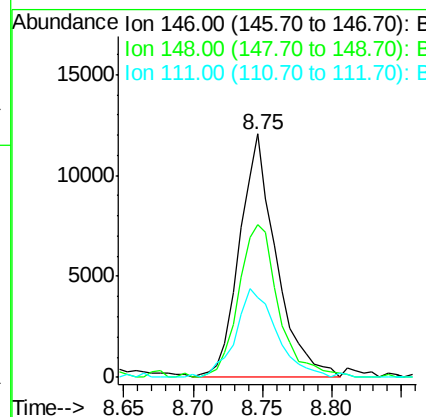
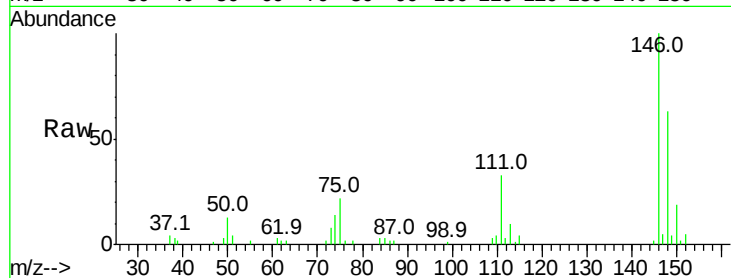
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	146	Resp:	22180
Ion Ratio	Lower	Upper	
146	100		
148	63.0	53.7	80.5
111	32.9	35.2	52.8

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#14

1,2-Dichlorobenzene

Concen: 15.463 ng/mL

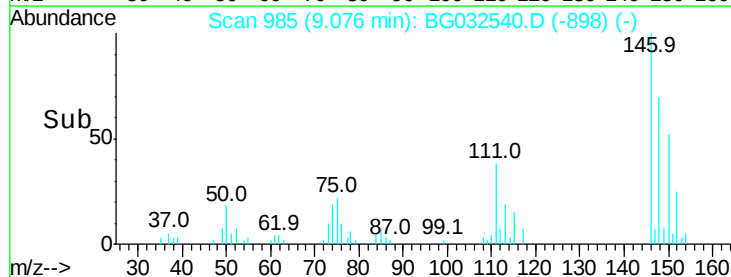
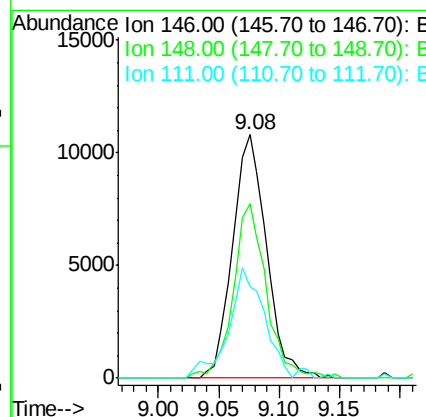
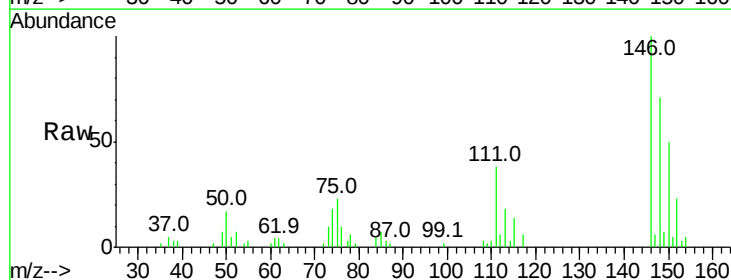
RT: 9.08 min Scan# 985

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	146	Resp:	21172
Ion Ratio	Lower	Upper	
146	100		
148	71.5	49.3	73.9
111	37.7	34.3	51.5





#15

Benzyl Alcohol

Concen: 15.550 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

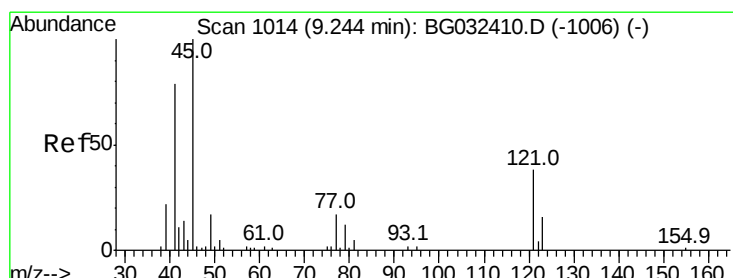
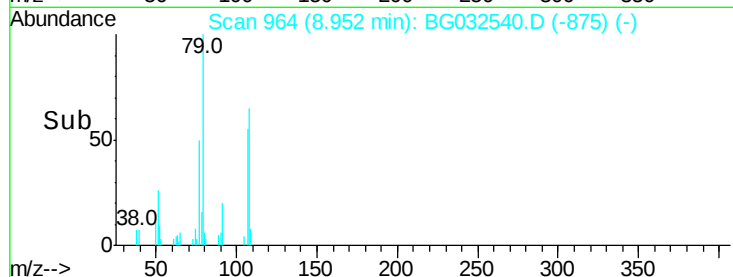
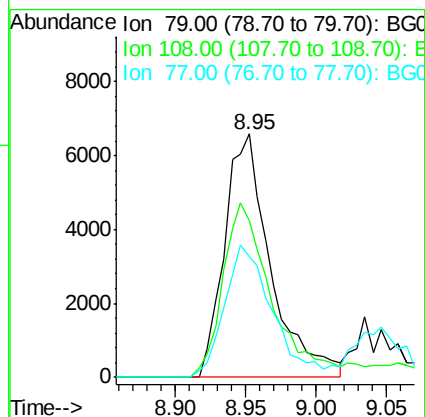
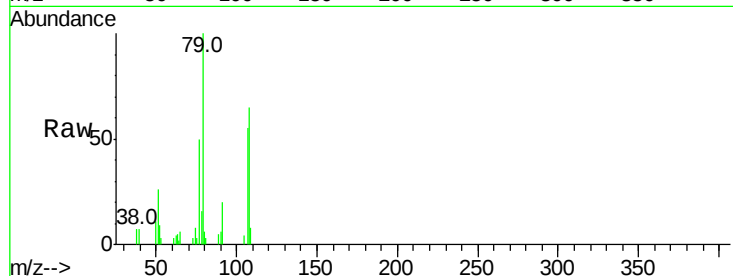
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	79	Resp:	14918
Ion Ratio	Lower	Upper	
79	100		
108	64.6	57.2	85.8
77	49.6	46.1	69.1

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 15.645 ng

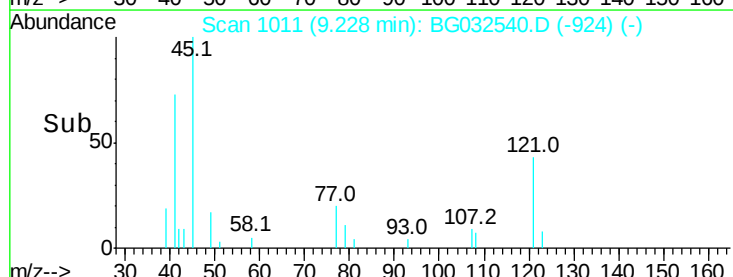
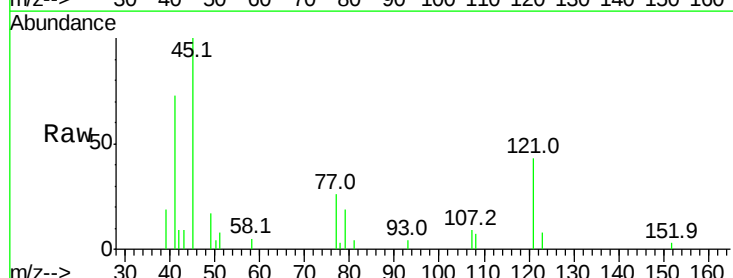
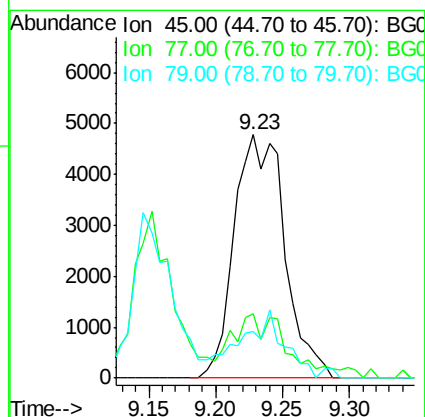
RT: 9.23 min Scan# 1011

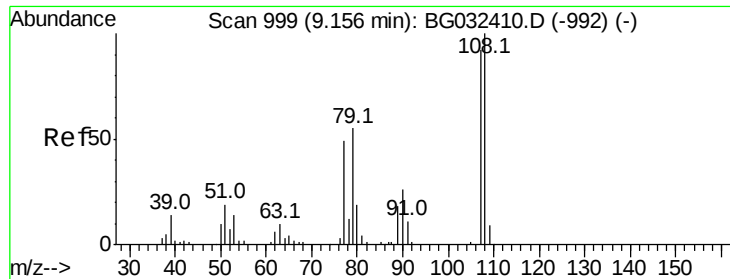
Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	45	Resp:	12487
Ion Ratio	Lower	Upper	
45	100		
77	26.3	0.0	30.2
79	19.3	0.0	27.9





#17

2-Methylphenol

Concen: 15.854 ng

RT: 9.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

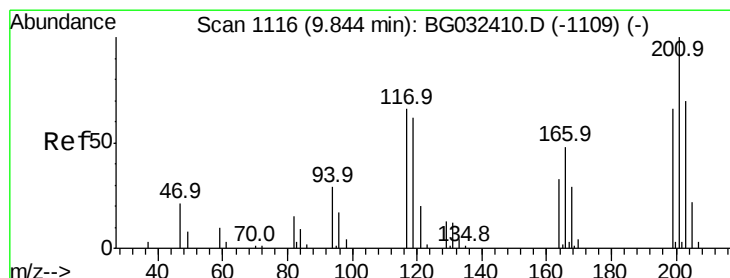
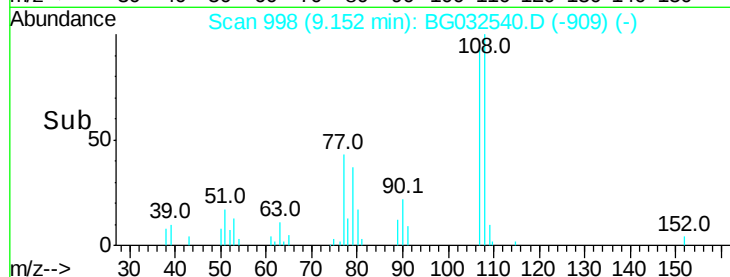
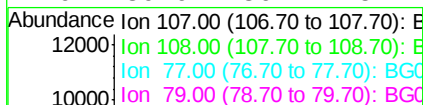
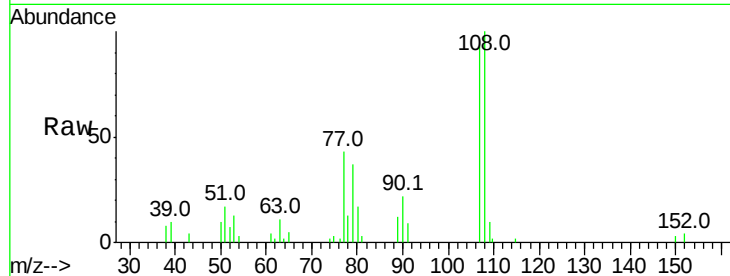
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	107	Resp:	14234
Ion	Ratio	Lower	Upper
107	100		
108	107.9	83.9	125.9
77	45.9	37.2	55.8
79	39.9	36.2	54.2

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#18

Hexachloroethane

Concen: 17.210 ng

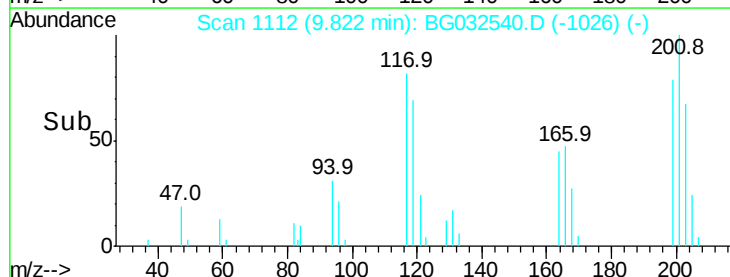
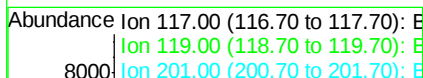
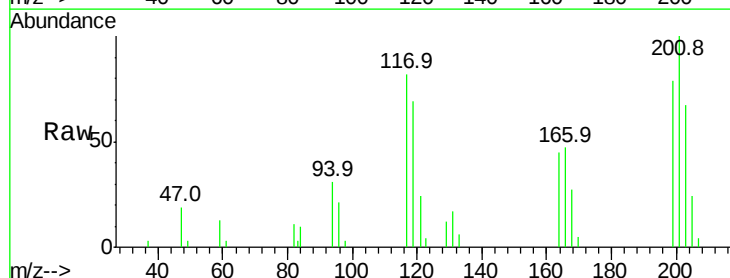
RT: 9.82 min Scan# 1112

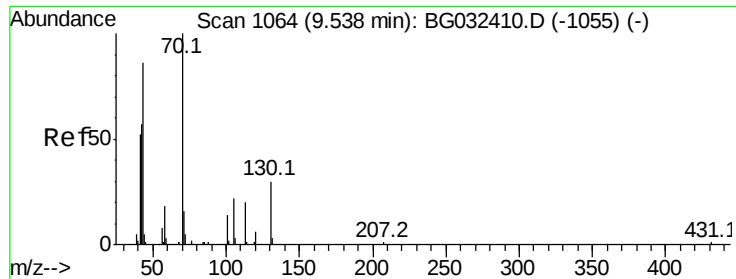
Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	117	Resp:	8076
Ion	Ratio	Lower	Upper
117	100		
119	84.6	76.7	115.1
201	122.6	95.7	143.5





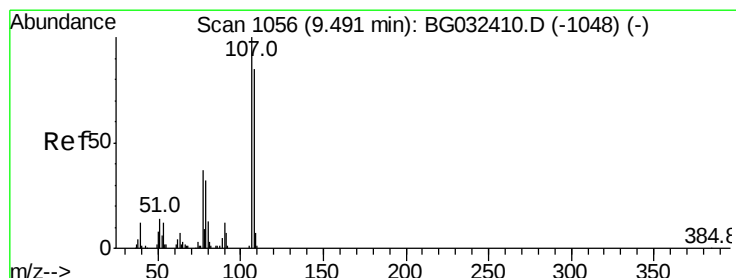
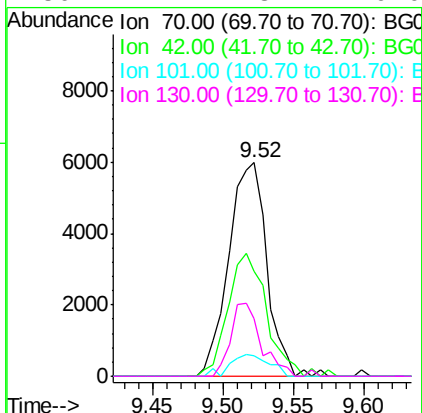
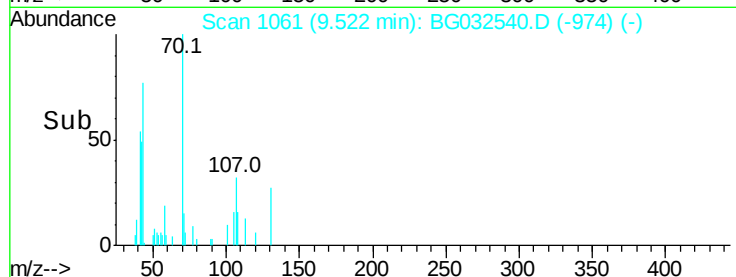
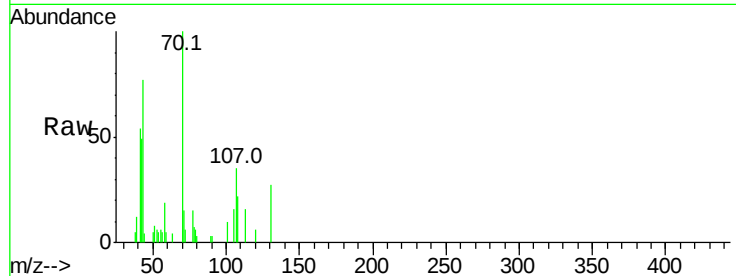
#19
n-Nitroso-di-n-propylamine
Concen: 14.628 ng
RT: 9.52 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.0	49.1	73.7#
101	9.7	8.5	12.7
130	27.2	13.4	20.0#

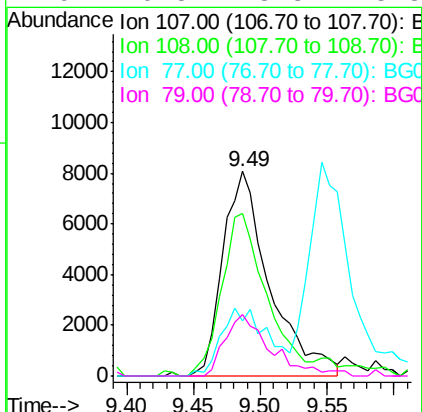
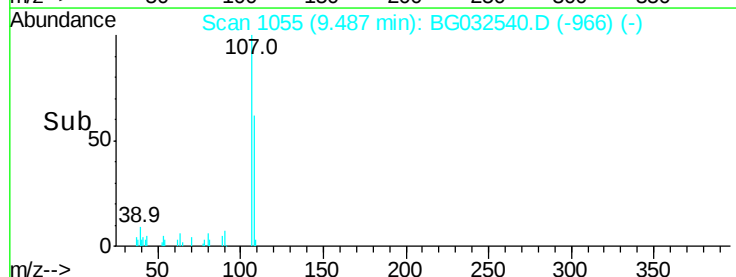
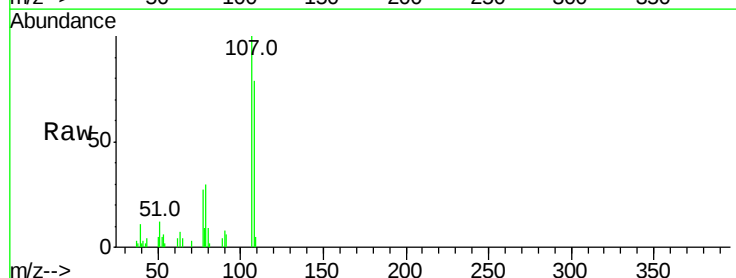
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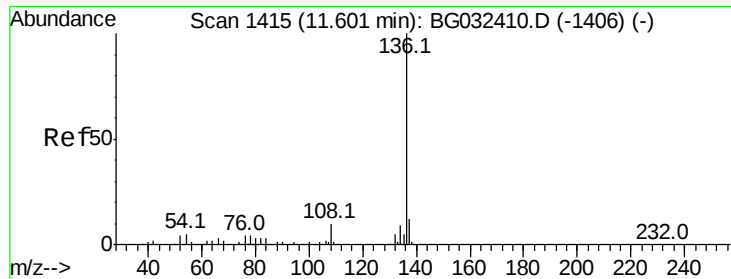
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#20
3+4-Methylphenols
Concen: 15.675 ng
RT: 9.49 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.4	61.6	101.6
77	26.9	13.9	53.9
79	29.8	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

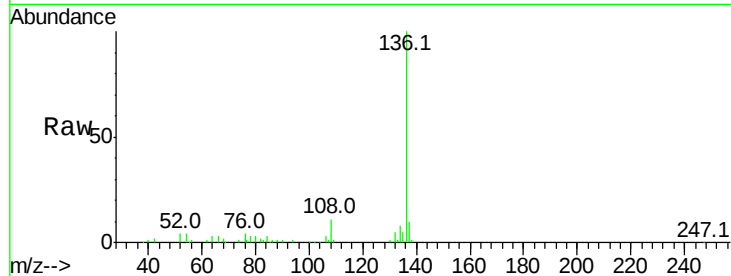
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.0	9.2	13.8	
54	4.4	10.3	15.5#	
68	2.9	4.5	6.7#	

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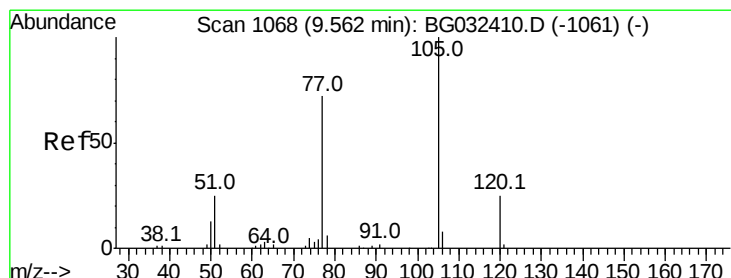
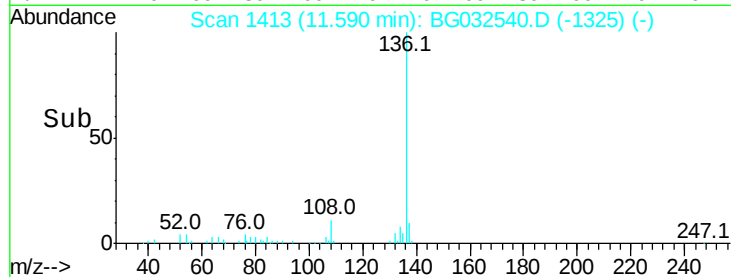
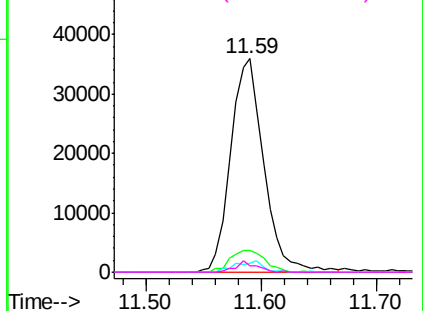


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 16.037 ng

RT: 9.55 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

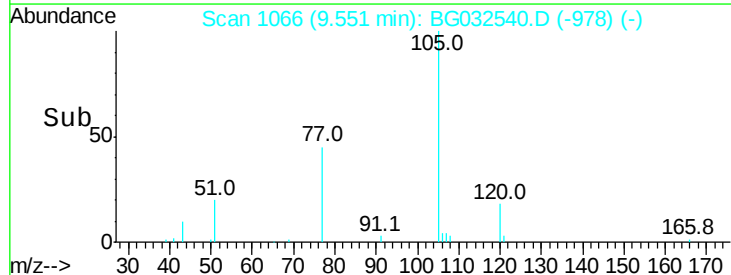
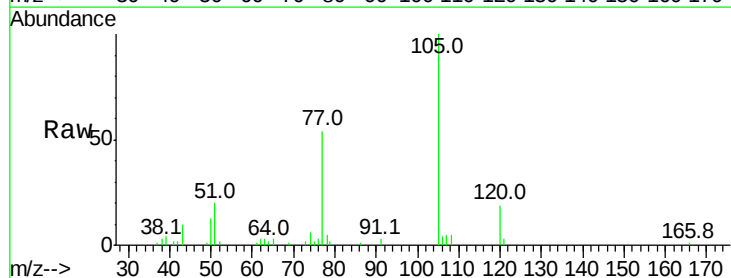
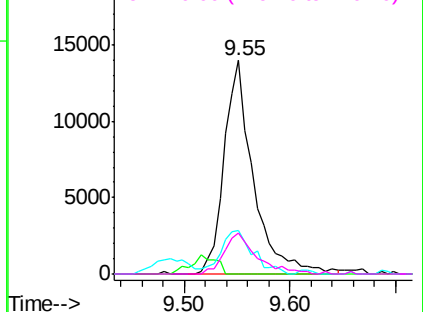
Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	3.0	4.4#	
51	20.4	26.1	39.1#	
120	19.2	17.4	26.2	

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





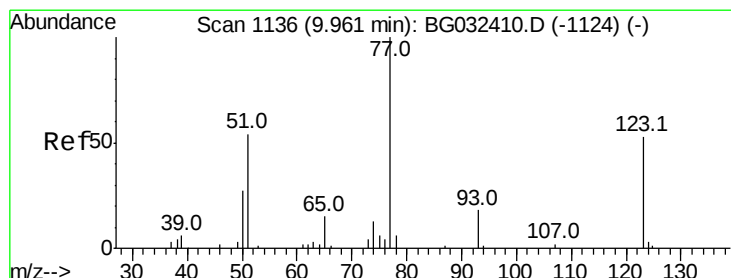
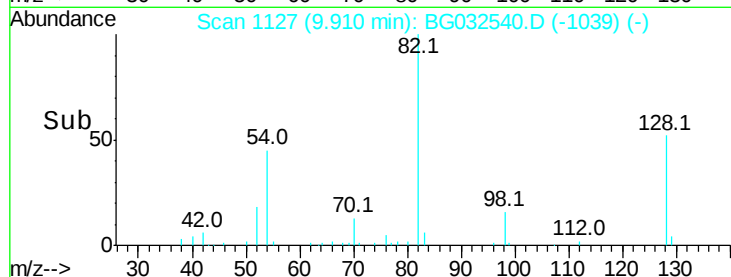
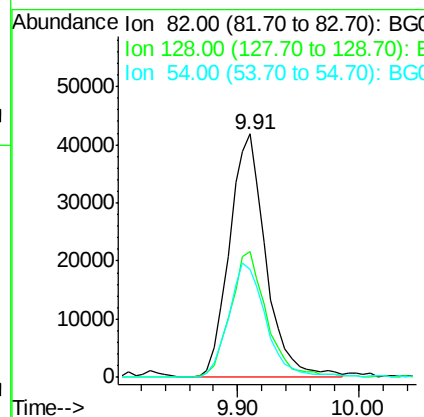
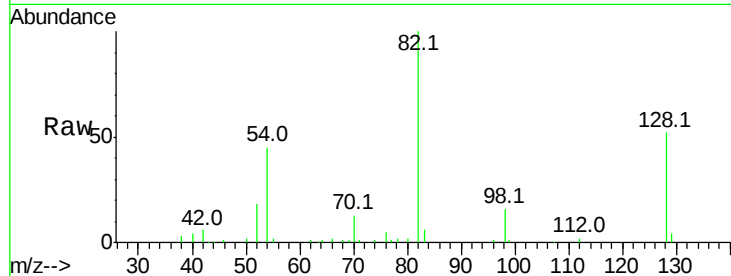
#23
 Nitrobenzene-d5
 Concen: 76.408 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.7	29.7	44.5#
54	44.6	43.1	64.7

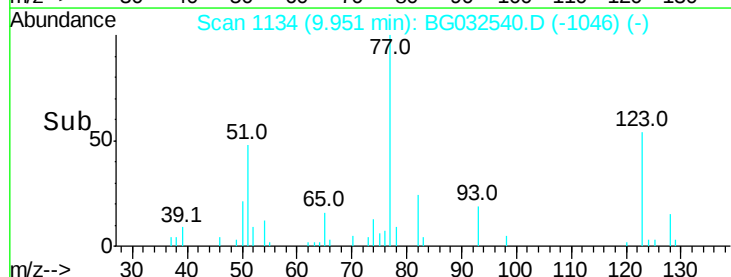
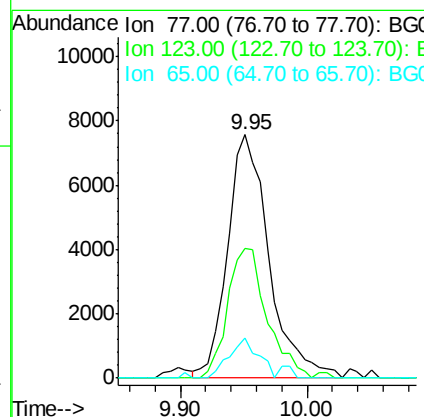
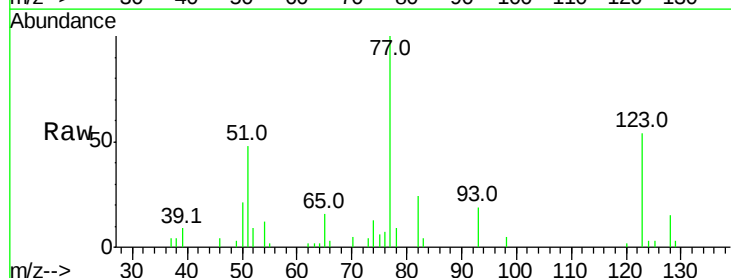
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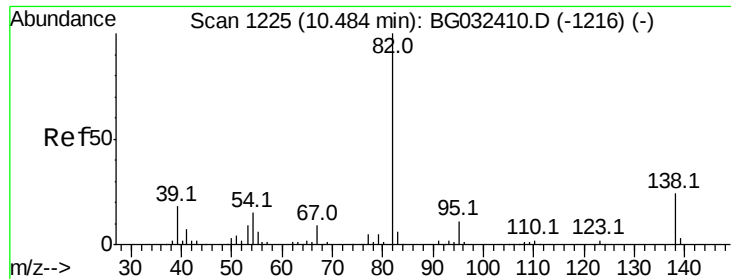
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#24
 Nitrobenzene
 Concen: 15.484 ng
 RT: 9.95 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	53.5	33.0	49.6#
65	16.3	13.0	19.6





#25

Isophorone

Concen: 16.915 ng

RT: 10.47 min Scan# 1222

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

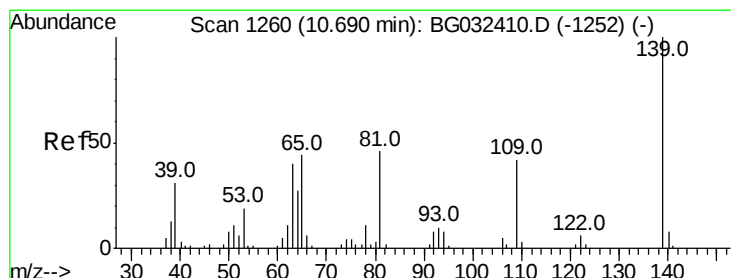
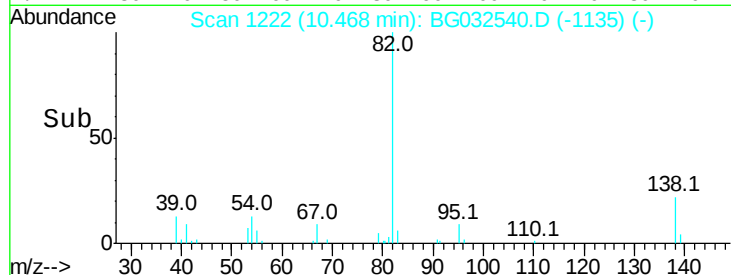
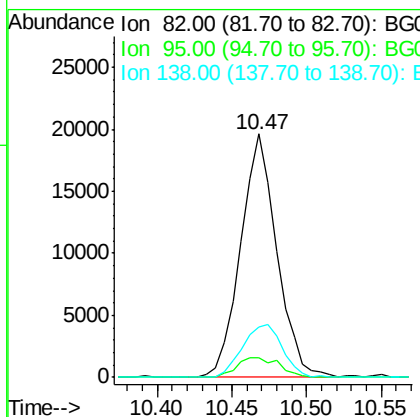
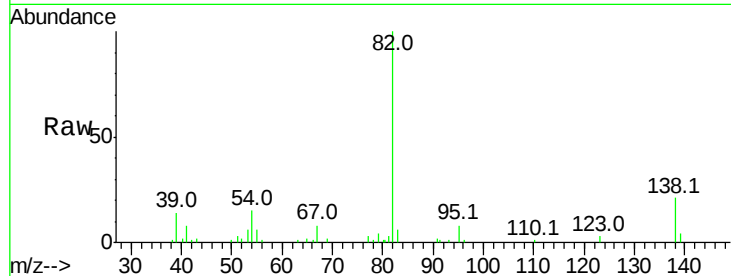
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	8.2	6.2	9.2	
138	20.7	12.1	18.1	

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#26

2-Nitrophenol

Concen: 17.214 ng

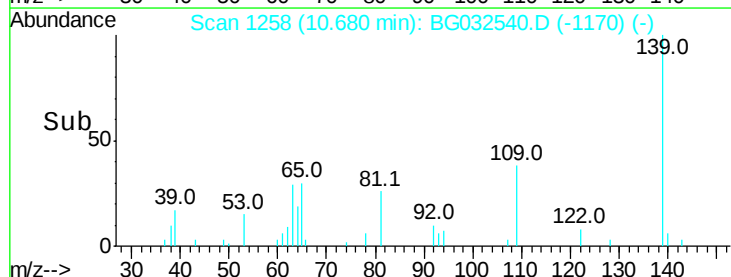
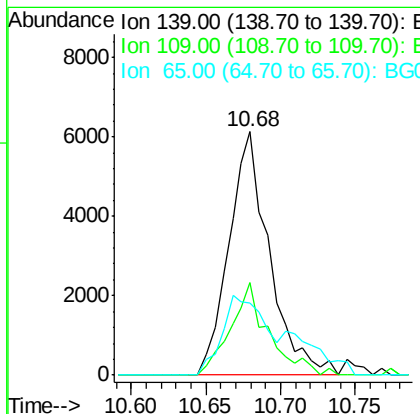
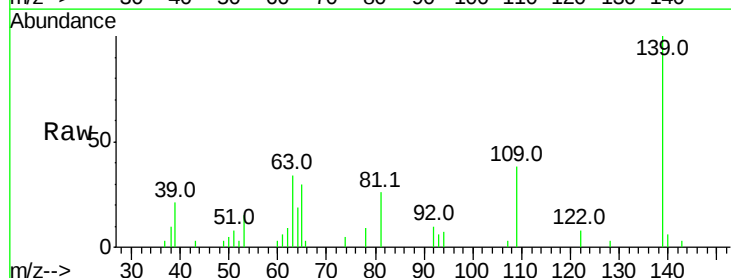
RT: 10.68 min Scan# 1258

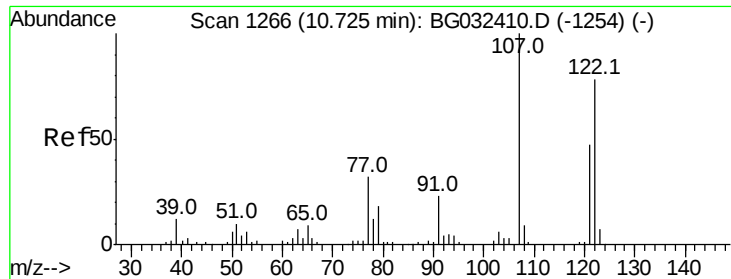
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	37.9	24.2	36.2	
65	29.8	47.4	71.0	





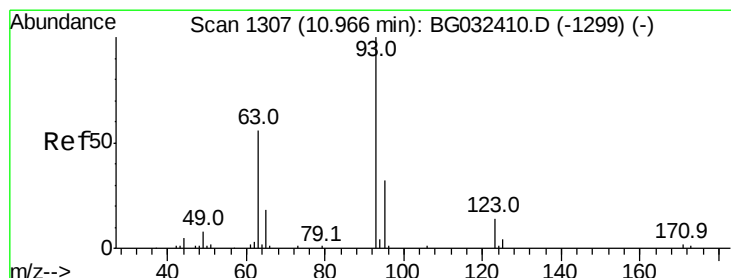
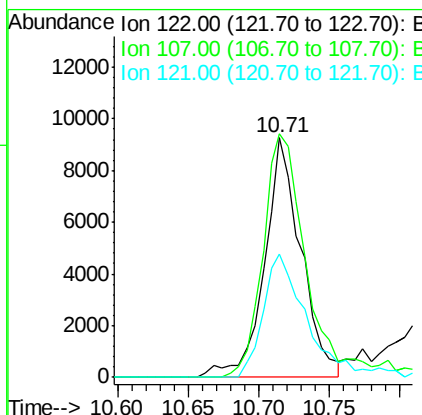
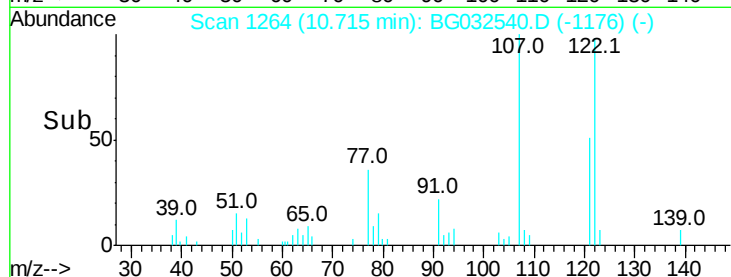
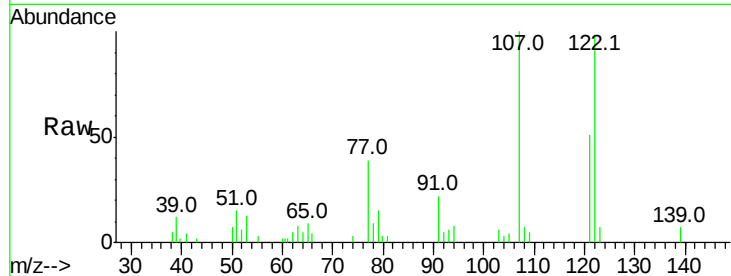
#27
2,4-Dimethylphenol
Concen: 17.441 ng
RT: 10.71 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	101.7	100.2	150.2
121	51.6	44.4	66.6

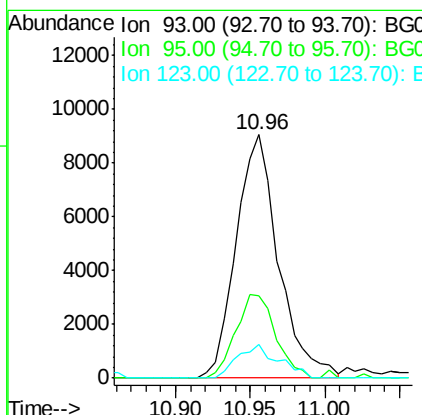
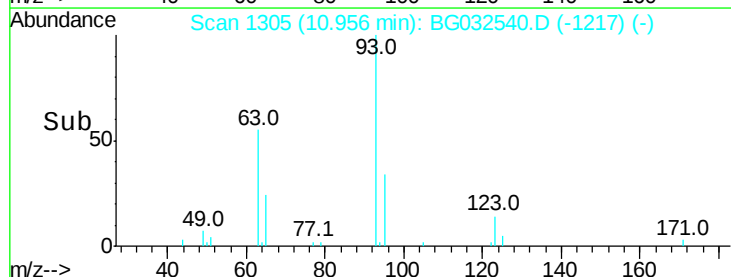
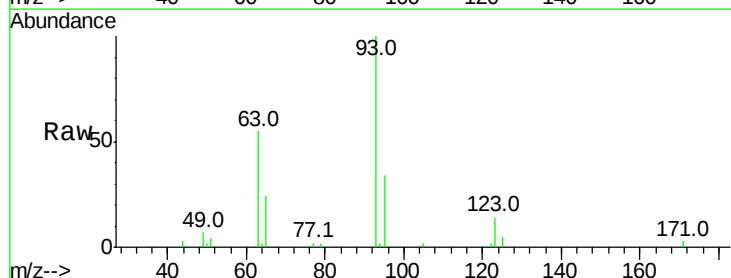
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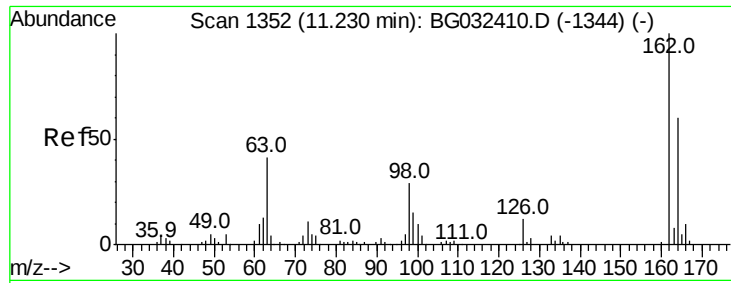
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#28
bis(2-Chloroethoxy)methane
Concen: 16.654 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.1	24.3	36.5
123	13.8	8.4	12.6





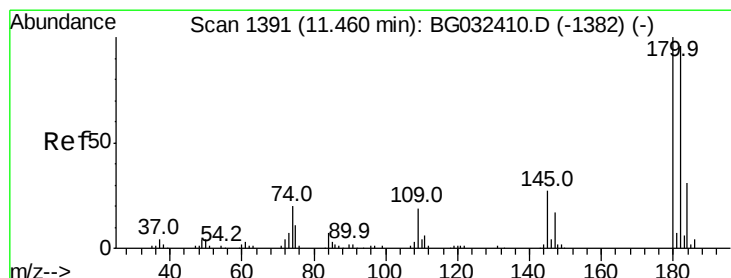
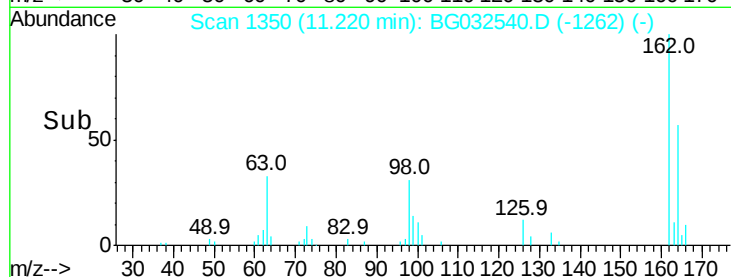
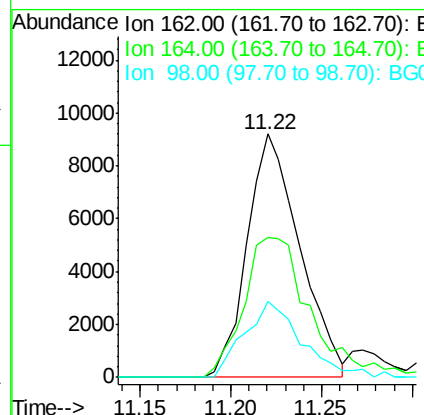
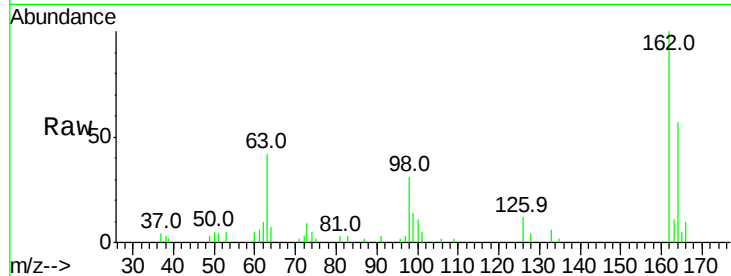
#29
 2,4-Dichlorophenol
 Concen: 14.620 ng
 RT: 11.22 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	18607		
164	57.3	48.0	88.0	
98	31.2	21.1	61.1	

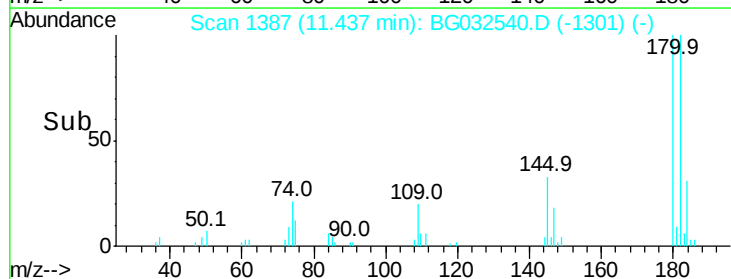
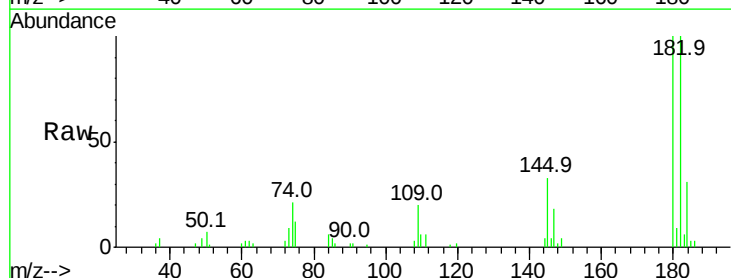
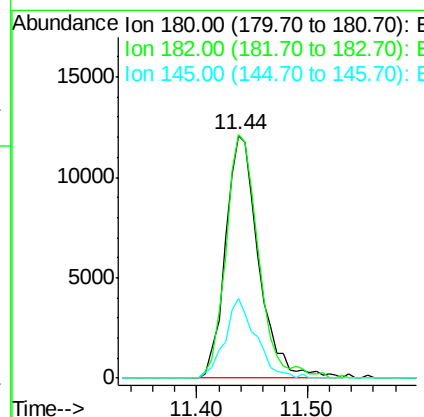
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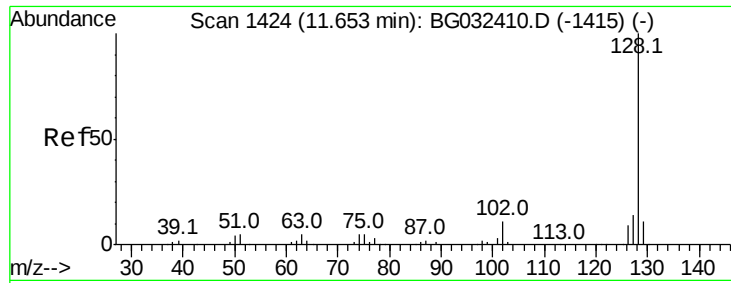
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#30
 1,2,4-Trichlorobenzene
 Concen: 14.913 ng
 RT: 11.44 min Scan# 1387
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25296		
182	100.2	77.5	116.3	
145	32.7	23.4	35.2	





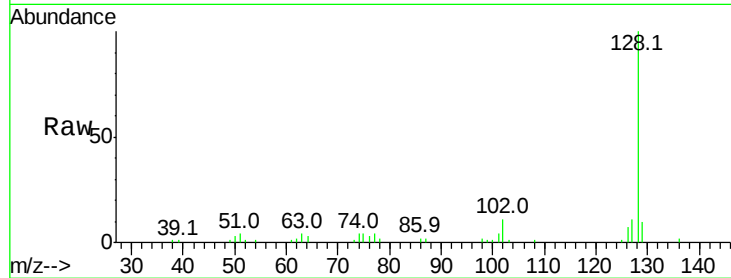
#31
Naphthalene
Concen: 16.763 ng
RT: 11.64 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

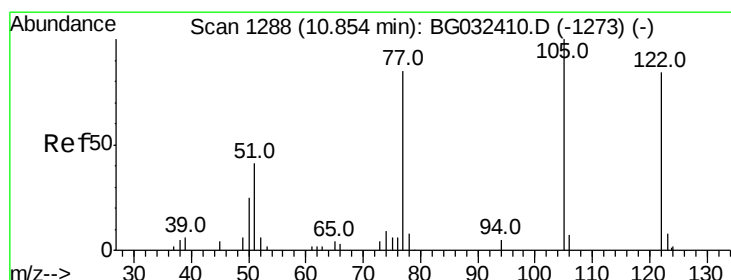
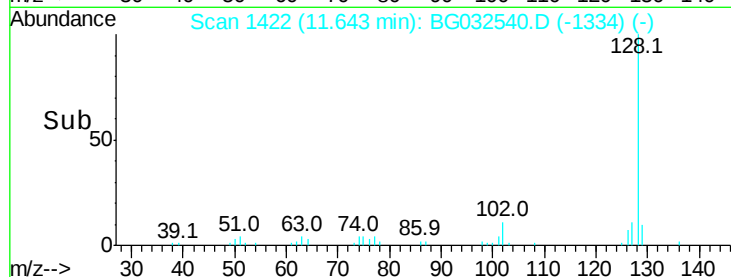
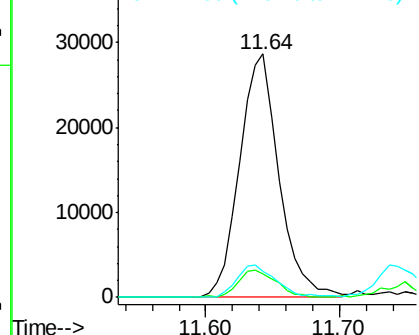
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.6	12.8
127	10.6	11.6	17.4

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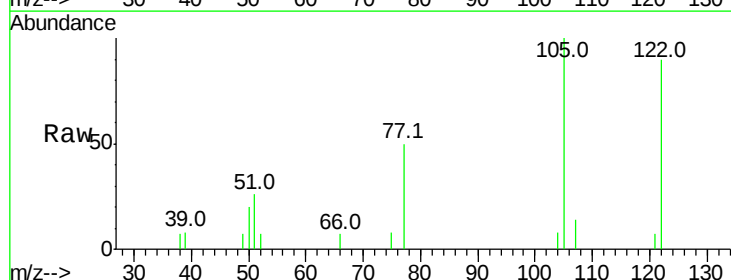


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

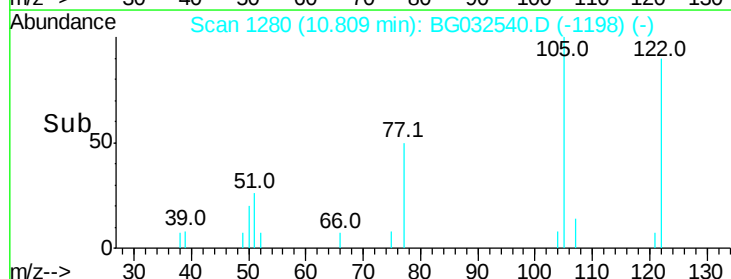
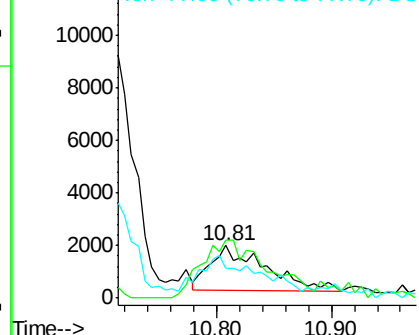


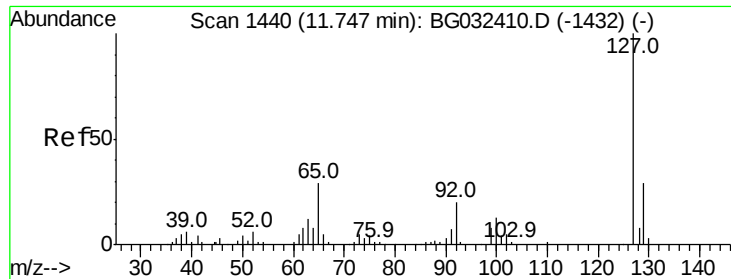
#32
Benzoic acid
Concen: 13.978 ng m
RT: 10.81 min Scan# 1280
Delta R.T. -0.05 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	111.3	123.5	163.5
77	56.0	85.7	125.7



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





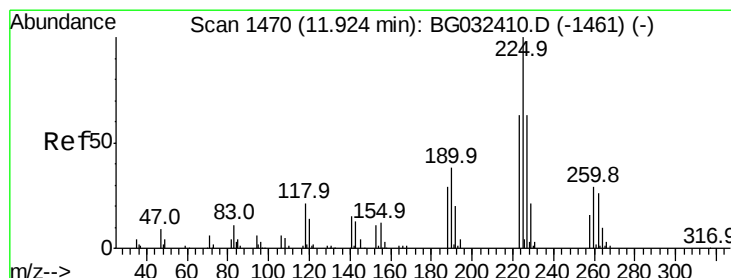
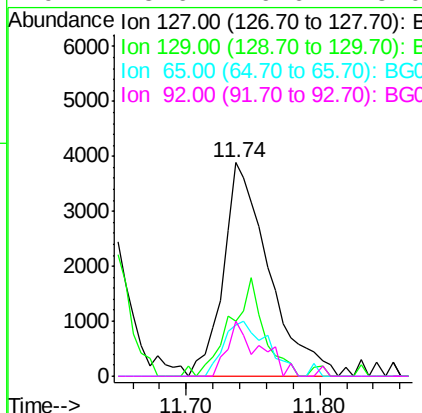
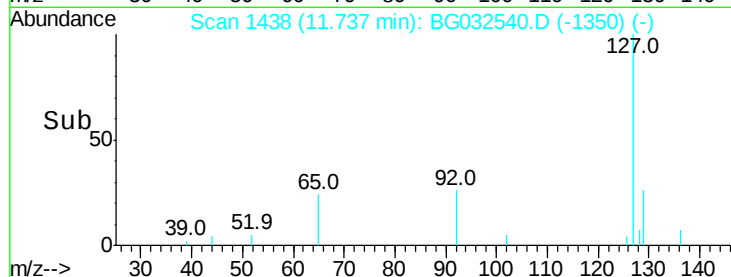
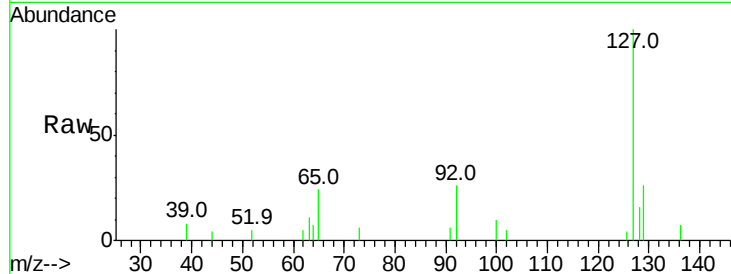
#33
 4-Chloroaniline
 Concen: 5.936 ng
 RT: 11.74 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion:	127	Resp:	9249
Ion	Ratio	Lower	Upper
127	100		
129	25.7	24.0	36.0
65	23.9	27.0	40.4#
92	25.6	16.6	25.0#

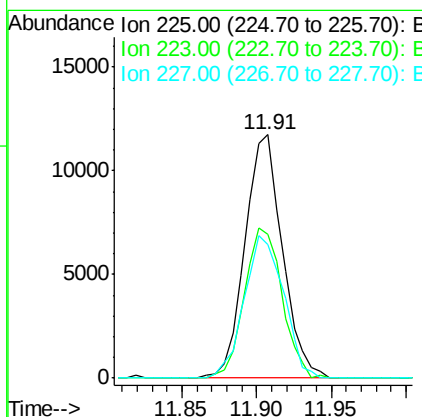
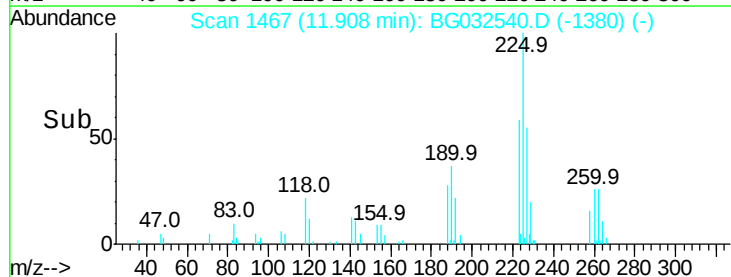
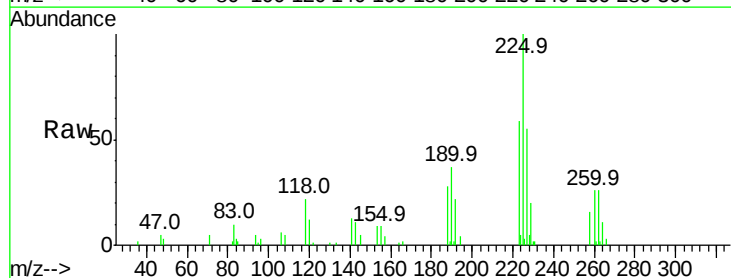
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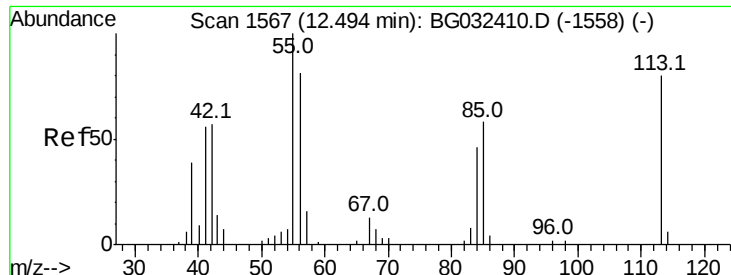
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#34
 Hexachlorobutadiene
 Concen: 15.400 ng
 RT: 11.91 min Scan# 1467
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion:	225	Resp:	20325
Ion	Ratio	Lower	Upper
225	100		
223	57.3	49.7	74.5
227	53.1	48.1	72.1





#35

Caprolactam

Concen: 16.340 ng

RT: 12.47 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

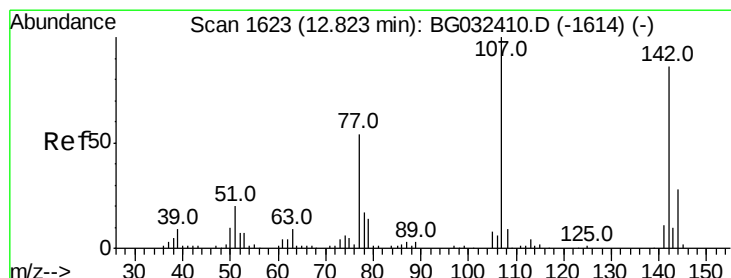
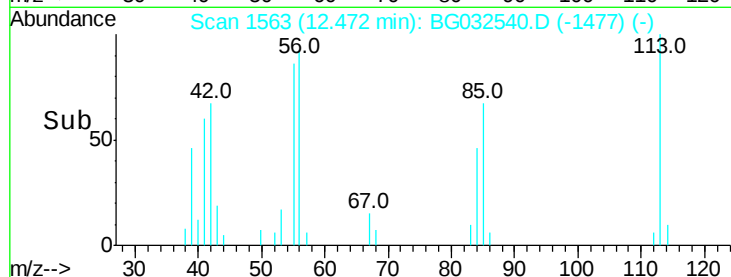
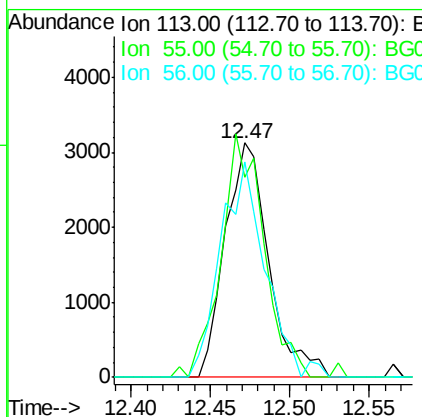
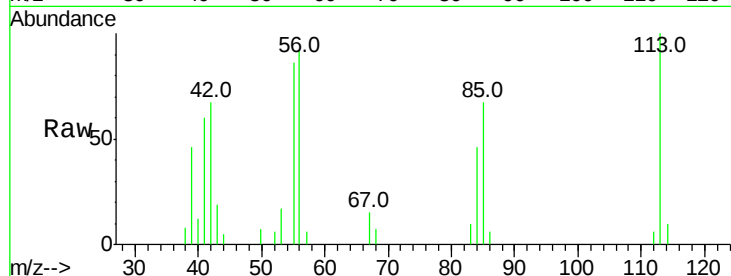
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	113	Resp:	5970
Ion Ratio	Lower	Upper	
113	100		
55	85.6	186.9	226.9#
56	91.7	130.9	170.9#

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#36

4-Chloro-3-methylphenol

Concen: 16.327 ng

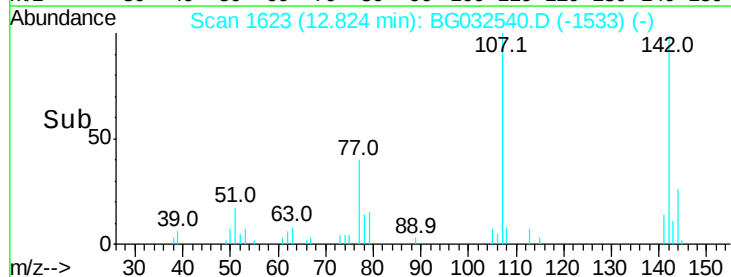
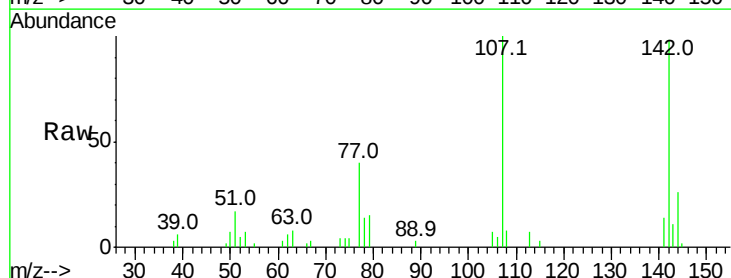
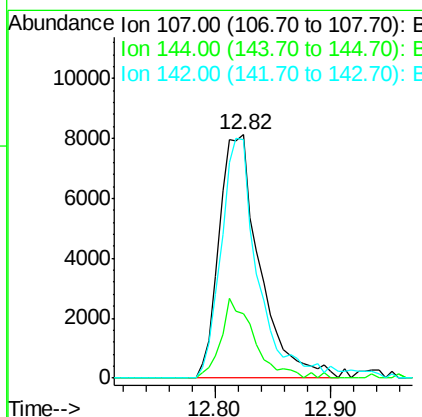
RT: 12.82 min Scan# 1623

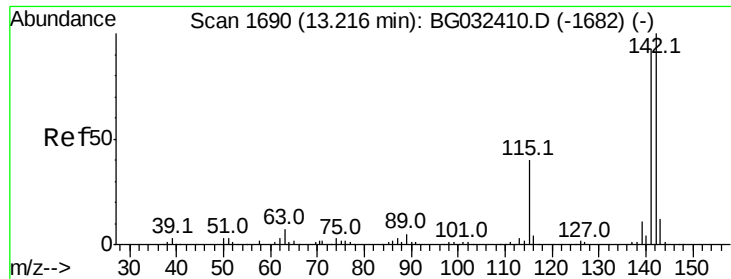
Delta R.T. 0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	107	Resp:	19710
Ion Ratio	Lower	Upper	
107	100		
144	26.4	18.2	27.4
142	98.2	59.0	88.4#





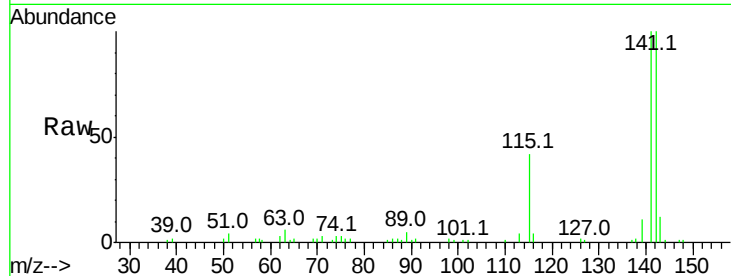
#37
2-Methylnaphthalene
Concen: 15.638 ng
RT: 13.21 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

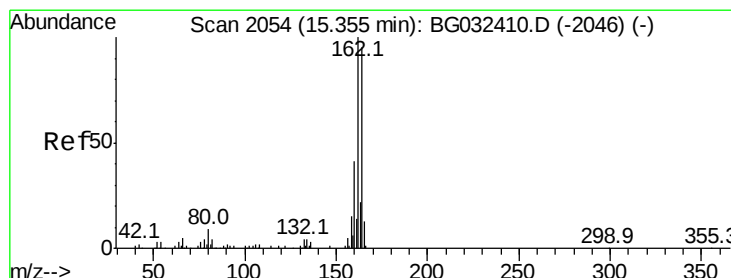
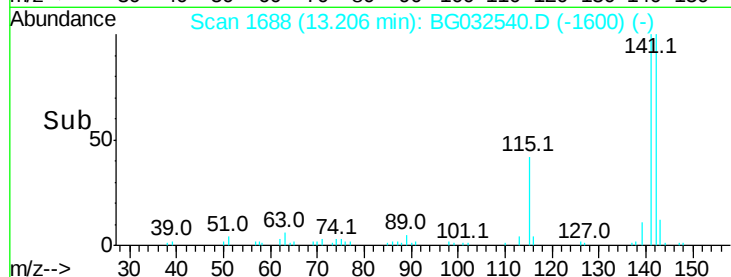
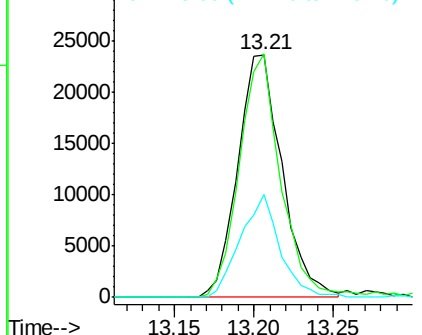
Tot Ion	Ratio	Lower	Upper
142	100		
141	100.3	67.1	100.7
115	42.2	30.7	46.1

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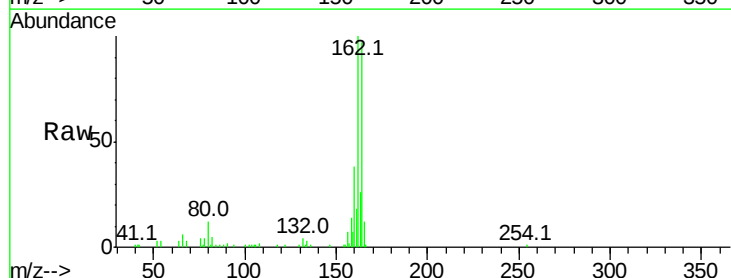


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

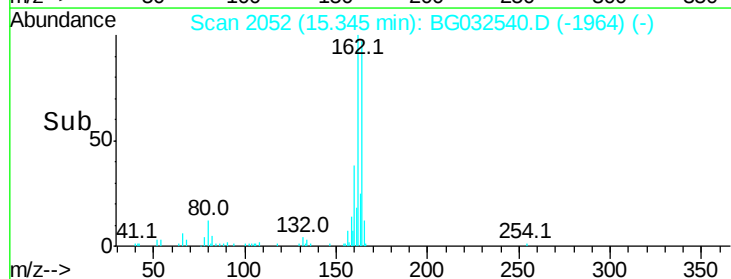
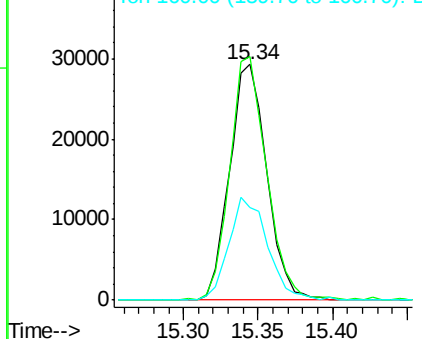


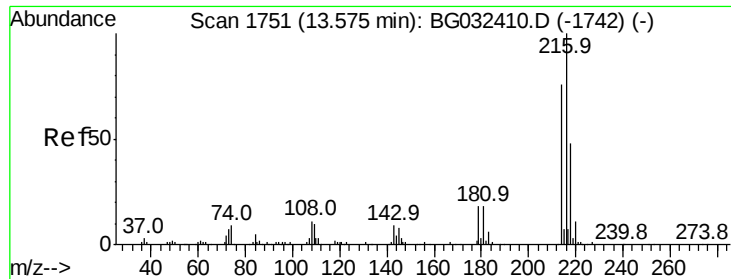
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.8	118.2
160	39.3	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





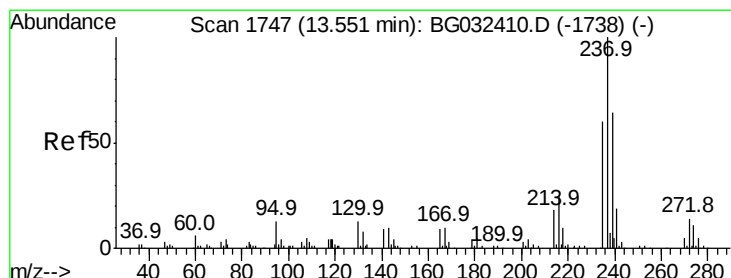
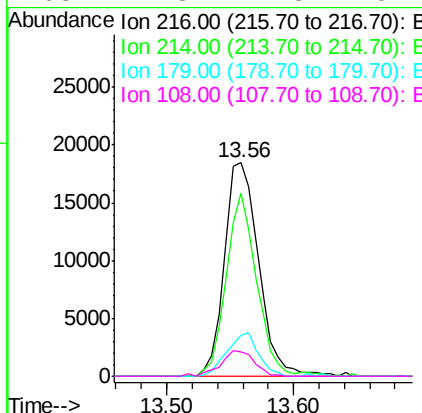
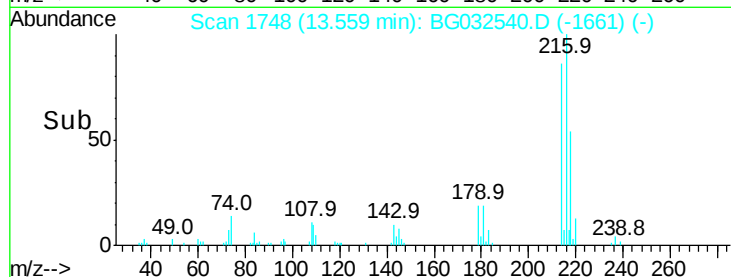
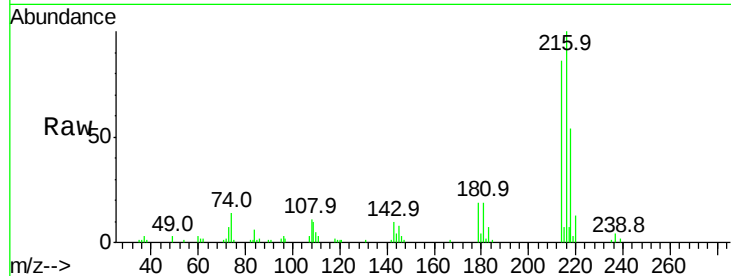
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 14.443 ng
 RT: 13.56 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion:	216	Resp:	34434
Ion Ratio	Lower	Upper	
216	100		
214	76.6	63.0	94.4
179	18.8	17.0	25.6
108	11.8	12.8	19.2#

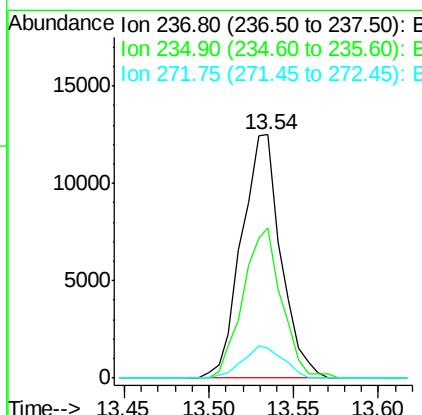
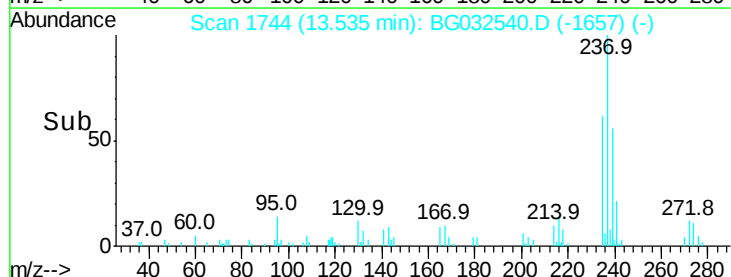
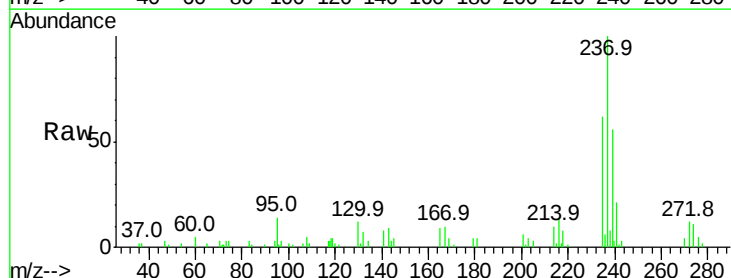
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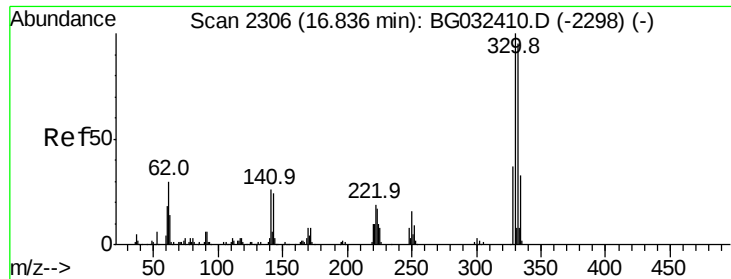
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#40
 Hexachlorocyclopentadiene
 Concen: 13.578 ng
 RT: 13.54 min Scan# 1744
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion:	237	Resp:	20227
Ion Ratio	Lower	Upper	
237	100		
235	61.8	50.4	90.4
272	12.0	0.0	31.8





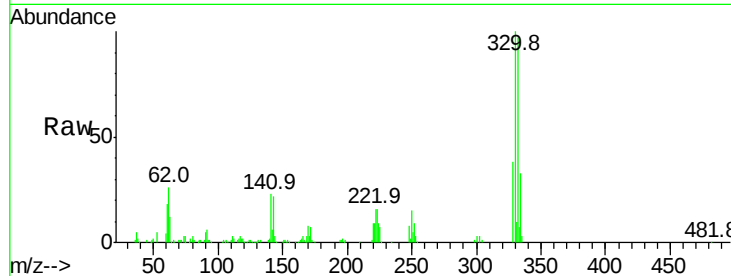
#41
 2,4,6-Tribromophenol
 Concen: 139.417 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

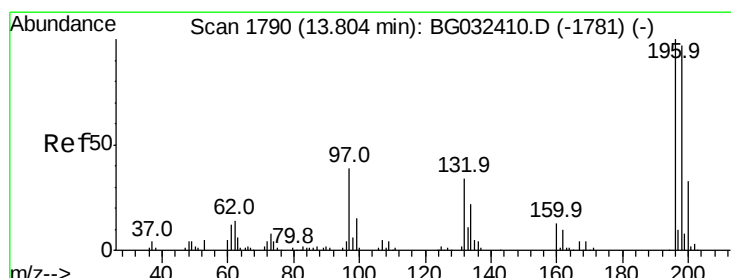
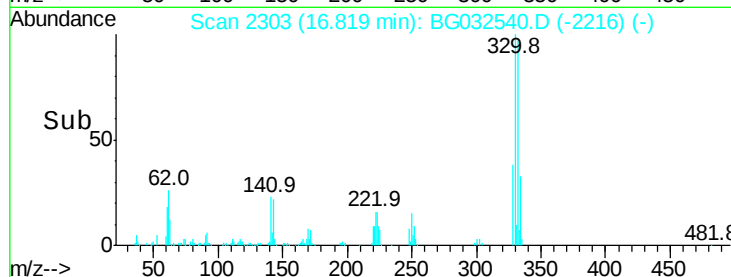
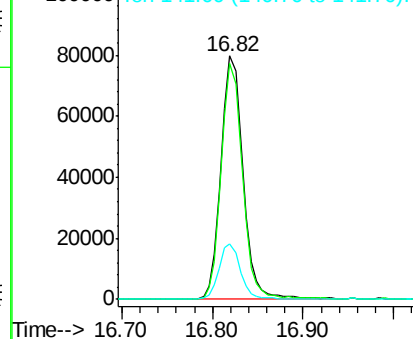
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.0	77.0	115.6	
141	22.3	25.2	37.8	

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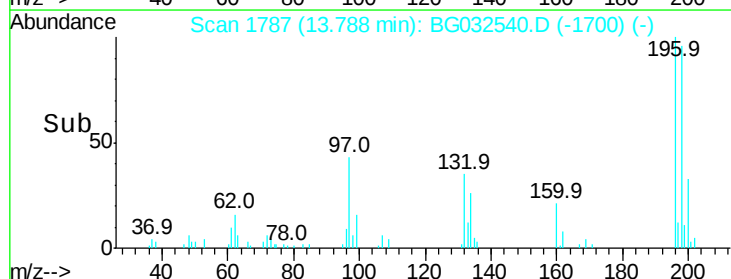
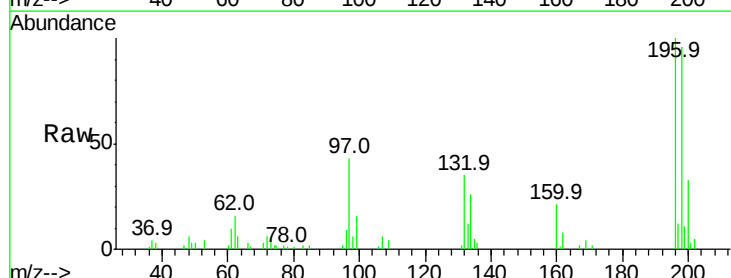
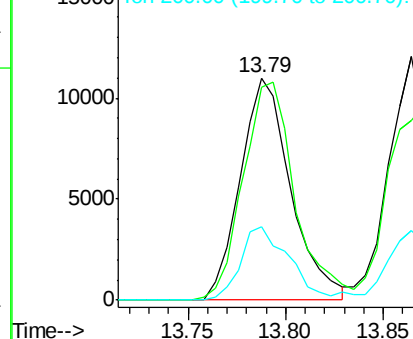
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

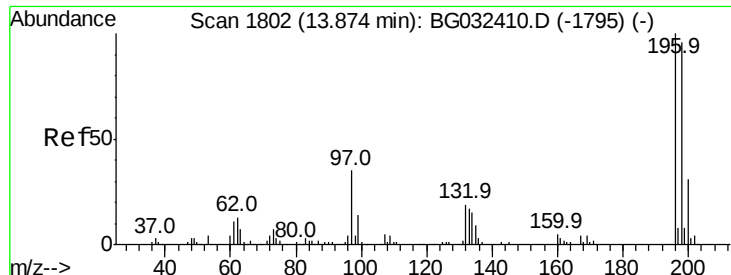


#42
 2,4,6-Trichlorophenol
 Concen: 15.186 ng
 RT: 13.79 min Scan# 1787
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.7	78.2	117.2	
200	33.0	24.6	36.8	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





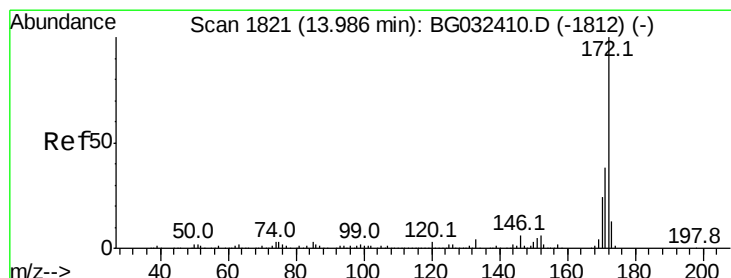
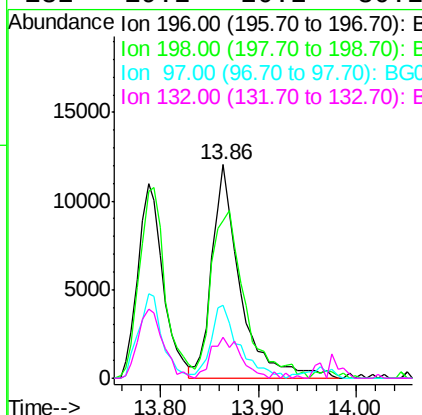
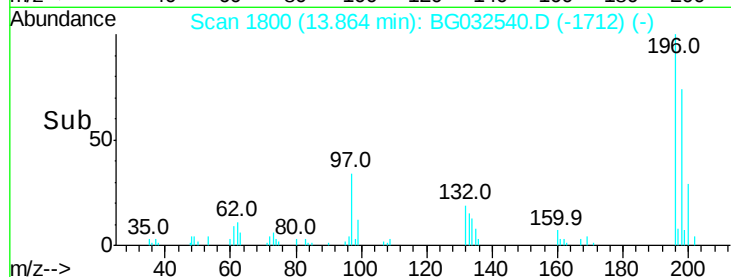
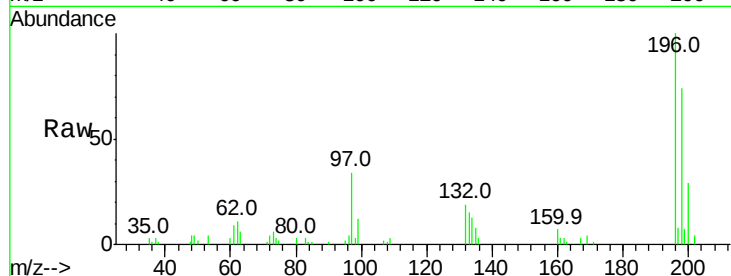
#43
 2,4,5-Trichlorophenol
 Concen: 16.086 ng
 RT: 13.86 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	24318		
198	73.9	76.2	114.4#	
97	34.4	38.7	58.1#	
132	19.2	20.2	30.2#	

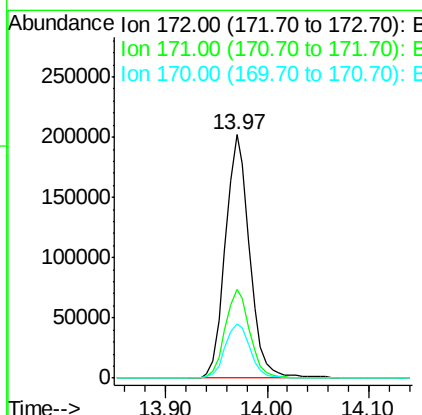
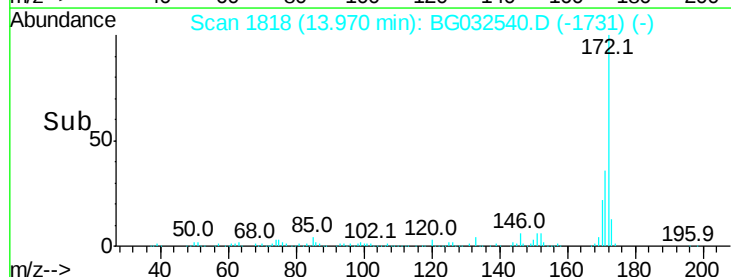
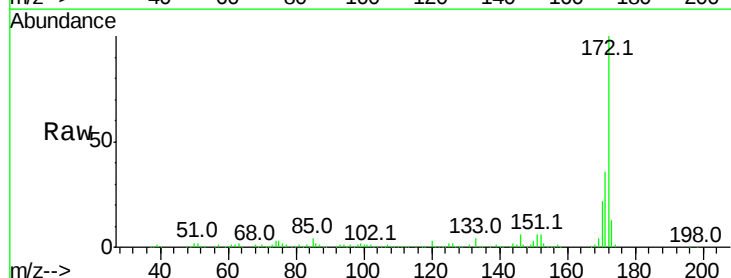
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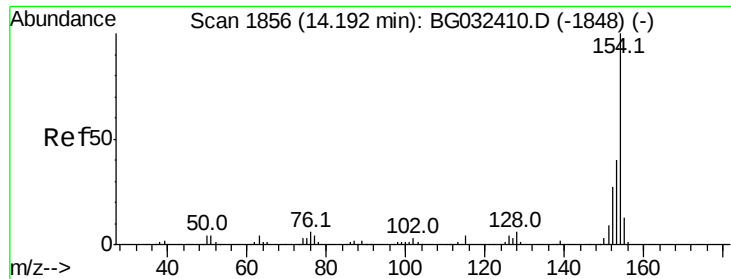
Sohil
 2/6/2018 8:45:08 AM



#44
 2-Fluorobiphenyl
 Concen: 78.092 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	334835		
171	36.4	30.0	45.0	
170	22.5	19.5	29.3	





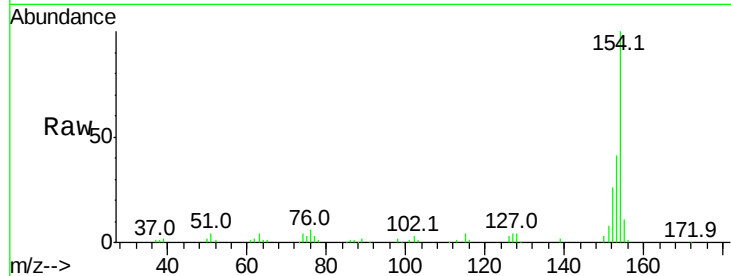
#45
 1,1'-Biphenyl
 Concen: 15.602 ng
 RT: 14.18 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

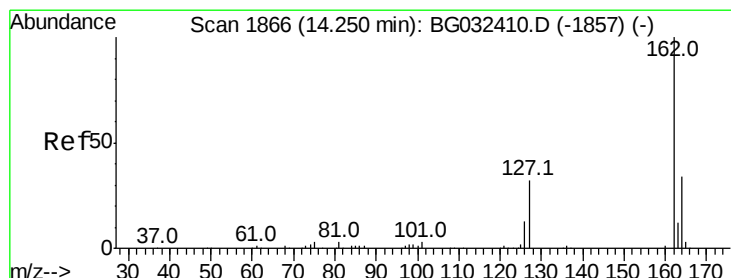
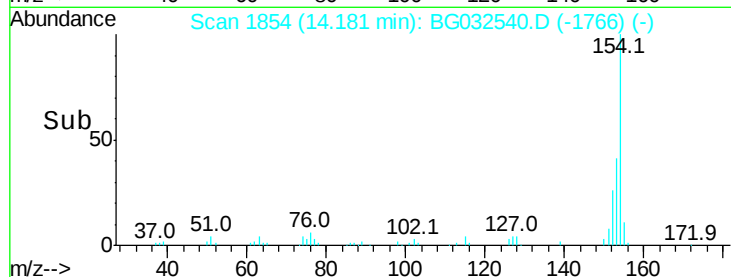
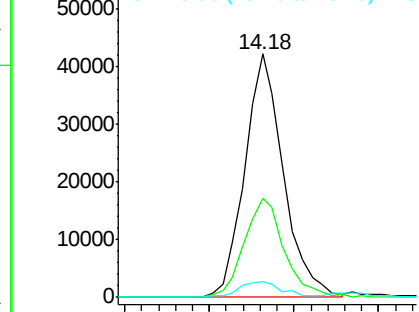
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	19.8	59.8
76	6.3	0.0	31.9

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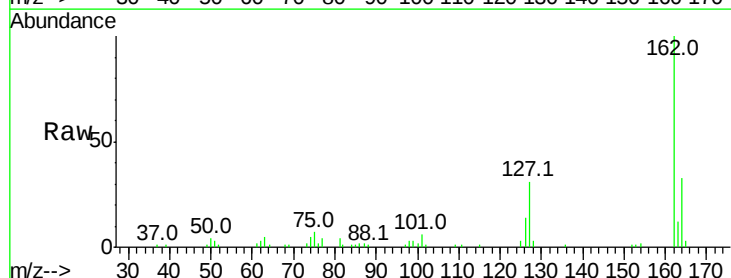


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

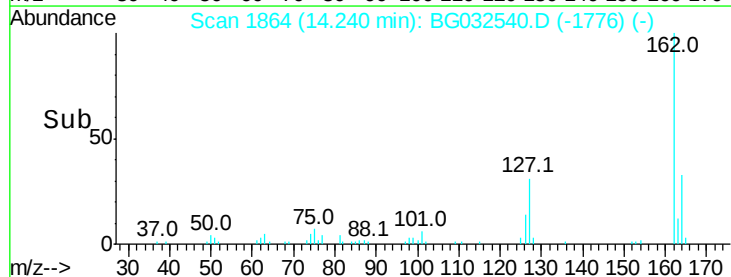
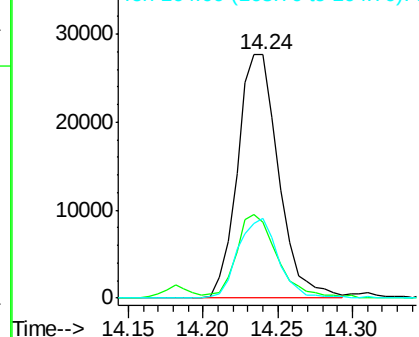


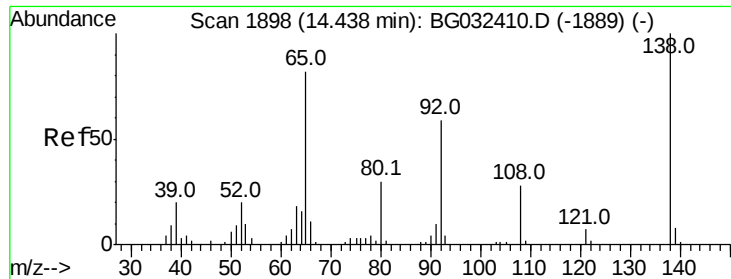
#46
 2-Chloronaphthalene
 Concen: 15.627 ng
 RT: 14.24 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
162	100		
127	31.3	30.7	46.1
164	32.8	26.0	39.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





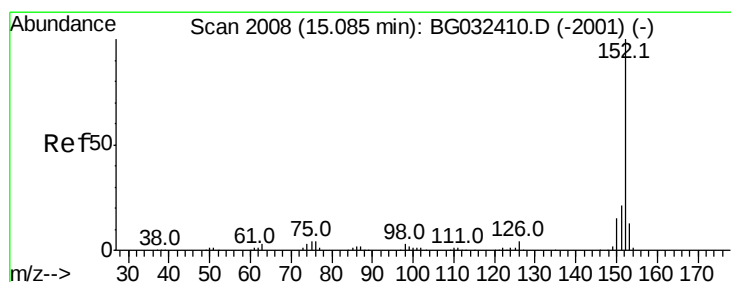
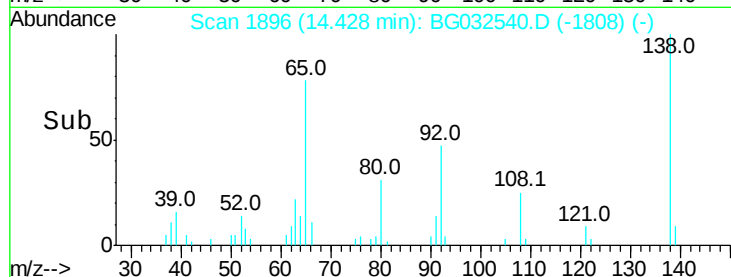
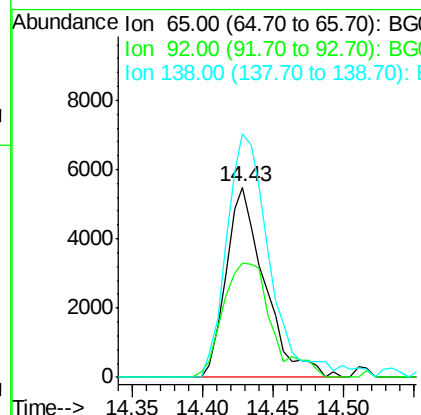
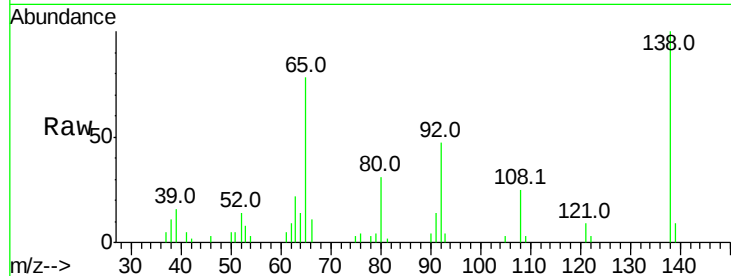
#47
2-Nitroaniline
Concen: 13.948 ng
RT: 14.43 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.4	54.6	82.0
138	128.2	72.9	109.3

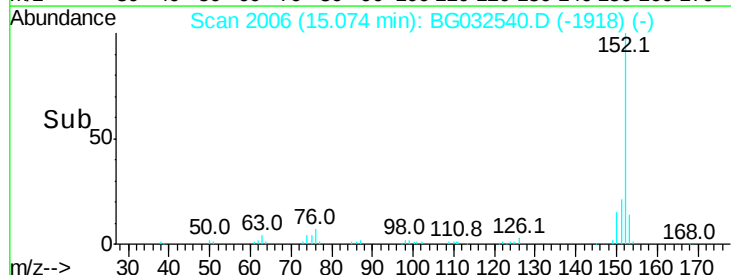
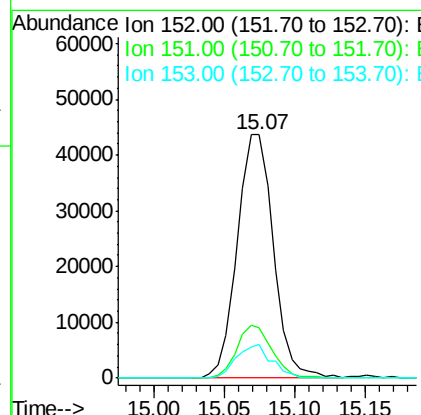
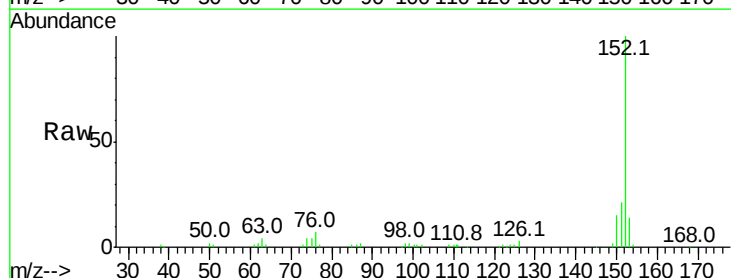
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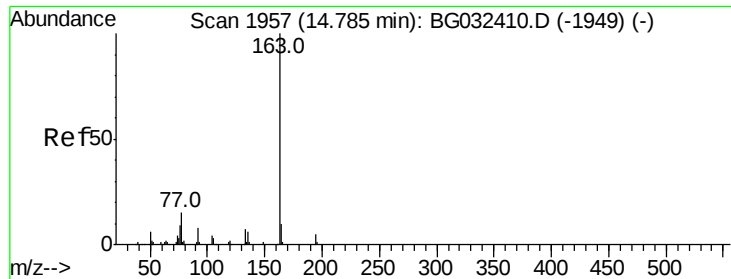
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#48
Acenaphthylene
Concen: 15.348 ng
RT: 15.07 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.2	25.8
153	13.8	10.2	15.4





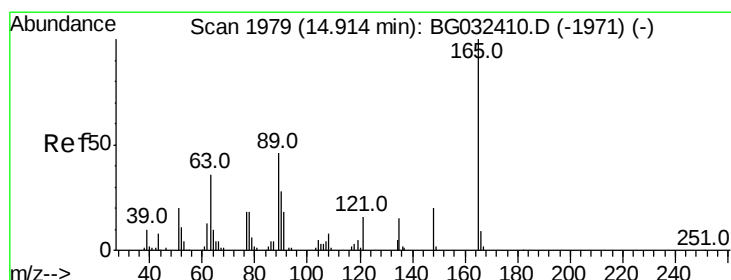
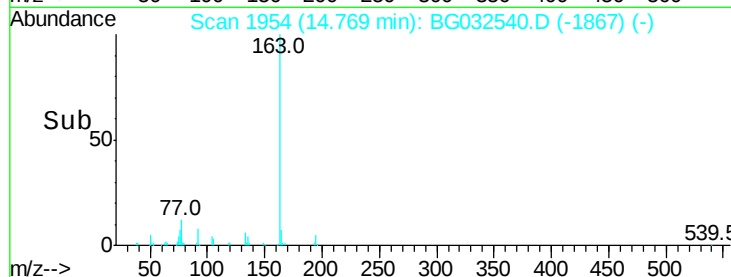
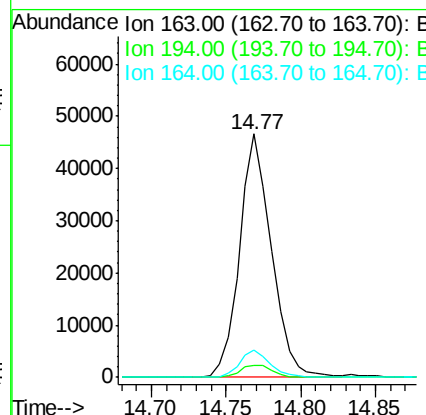
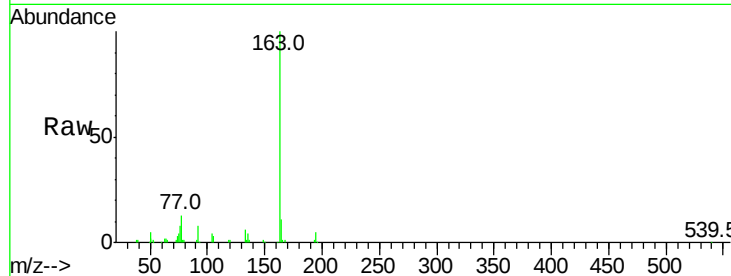
#49
Dimethylphthalate
Concen: 14.749 ng
RT: 14.77 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	11.0	8.2	12.4

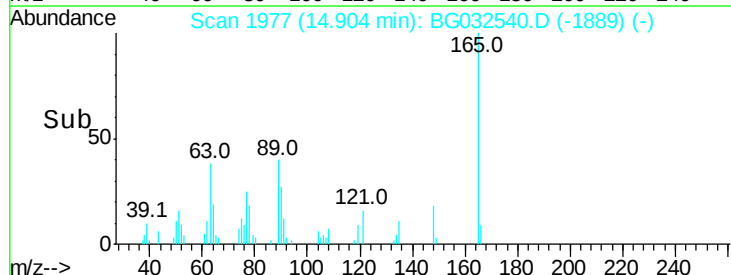
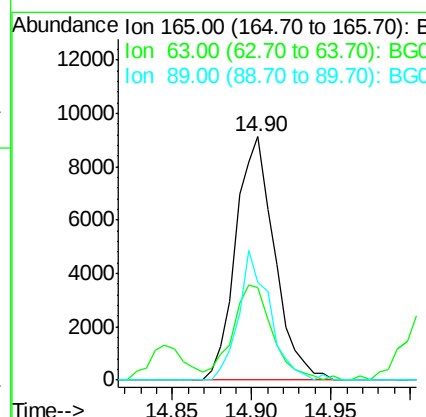
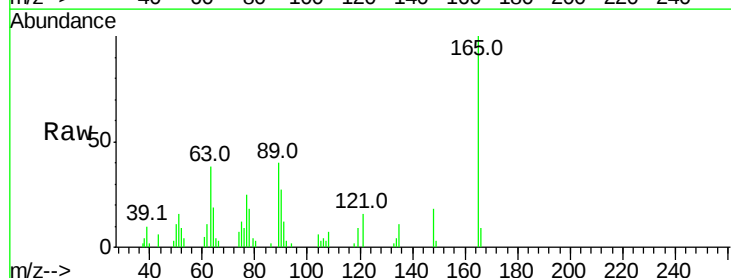
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#50
2,6-Dinitrotoluene
Concen: 15.659 ng
RT: 14.90 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.2	52.7	79.1#
89	40.3	49.2	73.8#





#51

Acenaphthene

Concen: 14.187 ng

RT: 15.40 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

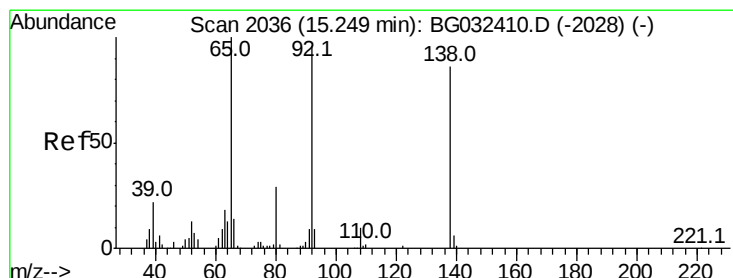
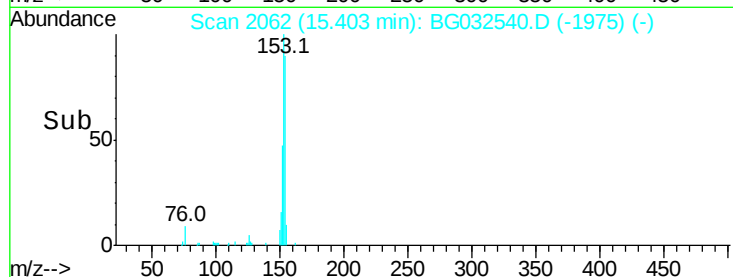
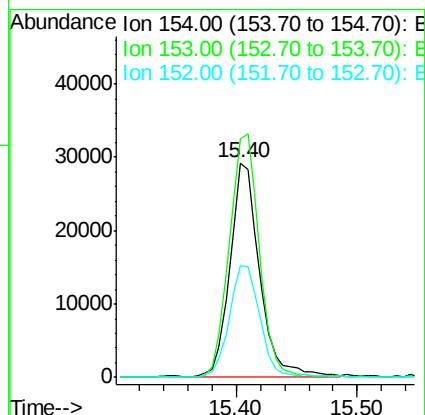
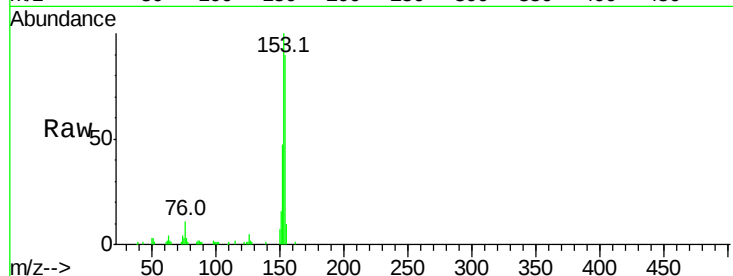
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	154	Resp:	50196
Ion Ratio	Lower	Upper	
154	100		
153	111.4	90.4	135.6
152	52.3	41.6	62.4

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#52

3-Nitroaniline

Concen: 10.020 ng

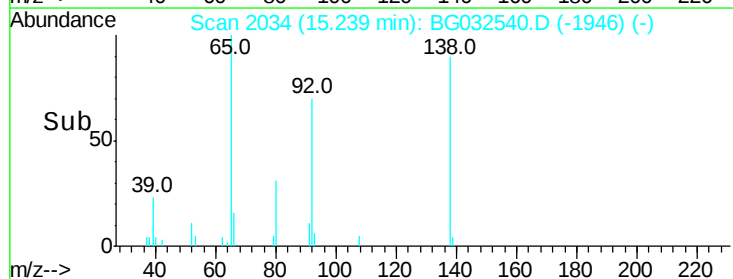
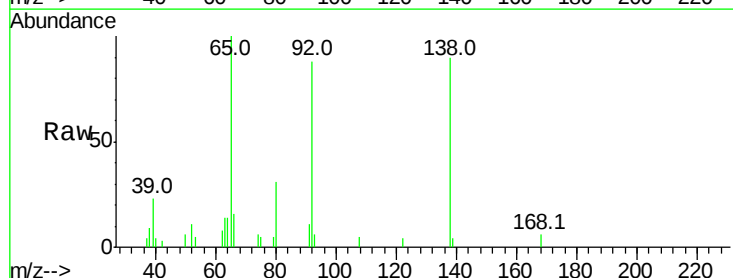
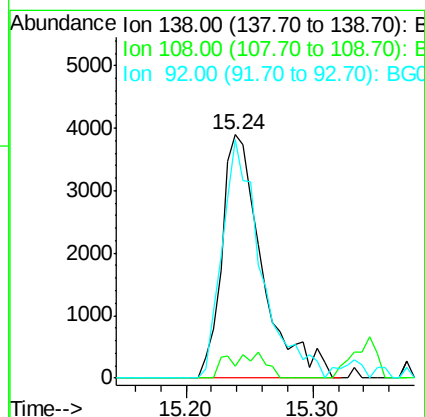
RT: 15.24 min Scan# 2034

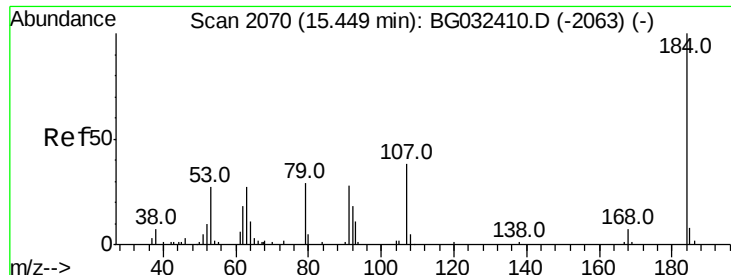
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	138	Resp:	8632
Ion Ratio	Lower	Upper	
138	100		
108	5.2	17.5	26.3#
92	97.8	105.8	158.8#





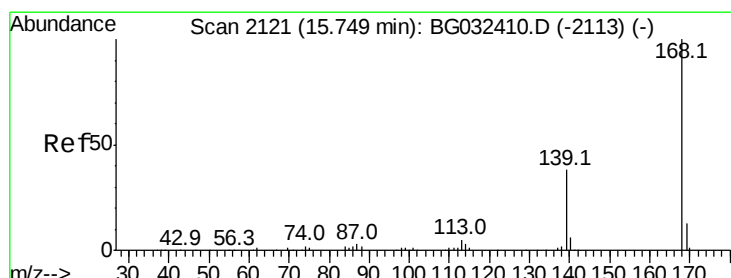
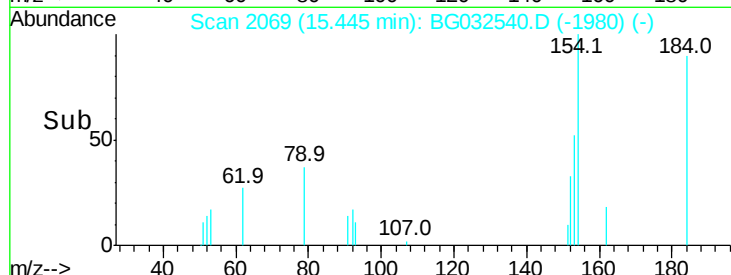
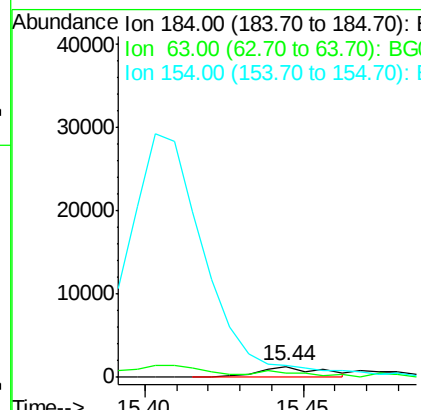
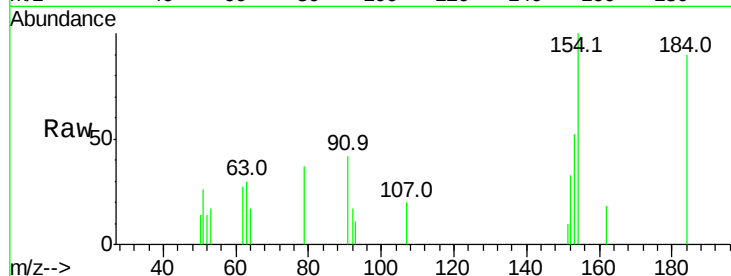
#53
 2,4-Dinitrophenol
 Concen: 6.813 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	33.4	59.8	89.8#
154	110.8	101.8	152.8

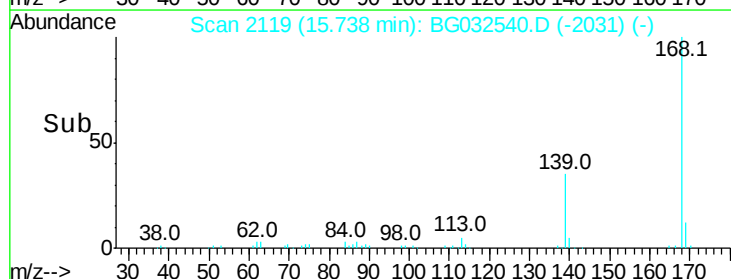
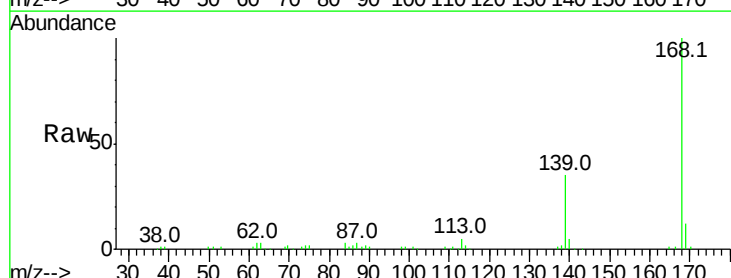
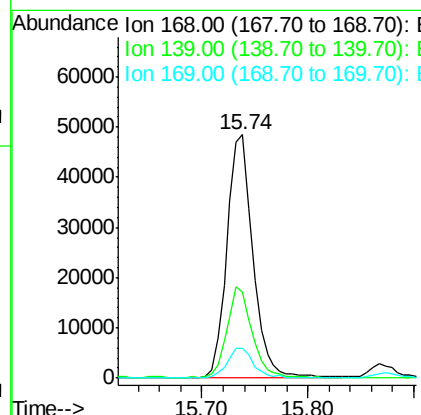
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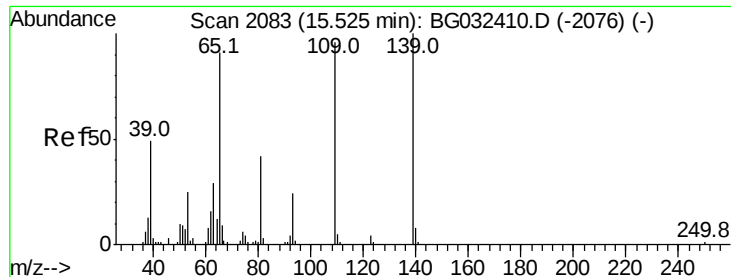
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#54
 Dibenzofuran
 Concen: 15.845 ng
 RT: 15.74 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	28.6	43.0
169	12.4	11.2	16.8





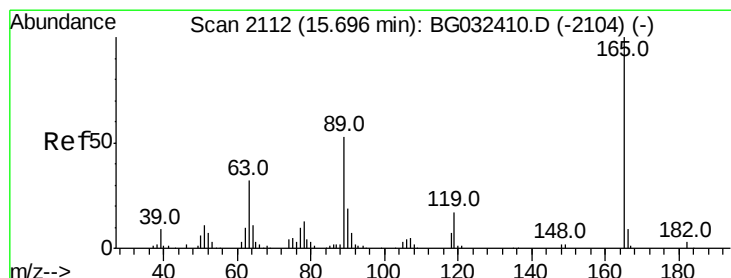
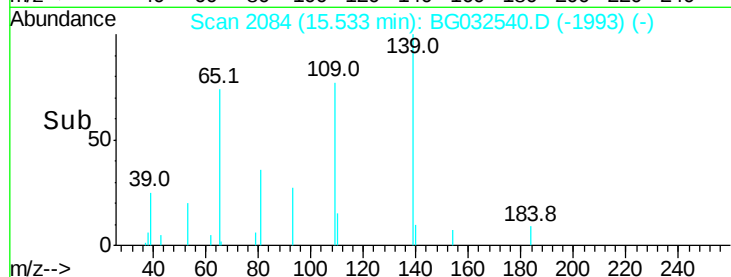
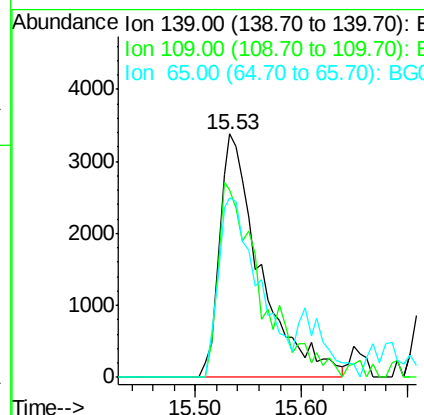
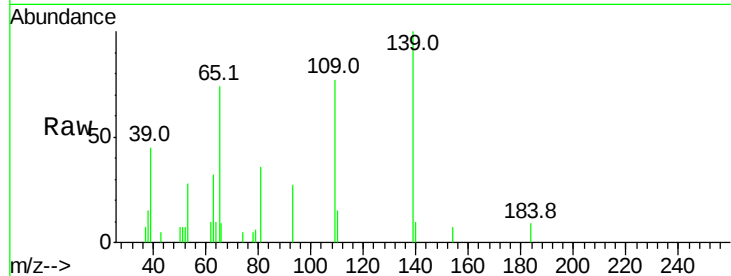
#55
4-Nitrophenol
Concen: 14.113 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
139	100		
109	77.0	62.2	102.2
65	73.7	97.2	137.2

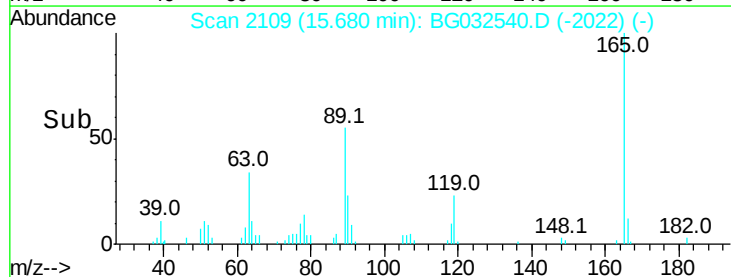
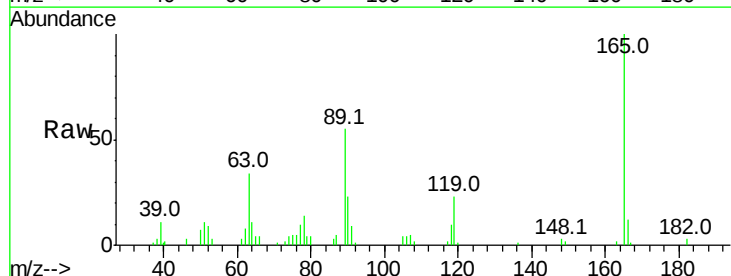
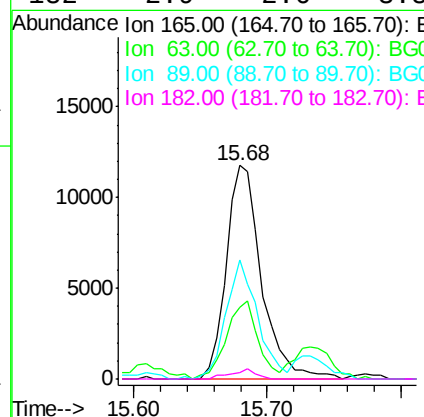
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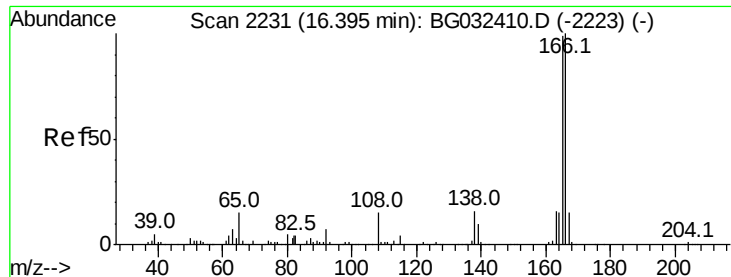
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#56
2,4-Dinitrotoluene
Concen: 15.458 ng
RT: 15.68 min Scan# 2109
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	33.8	42.0	63.0
89	55.5	66.9	100.3
182	2.9	2.6	3.8





#57

Fluorene

Concen: 15.450 ng

RT: 16.38 min Scan# 2228

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

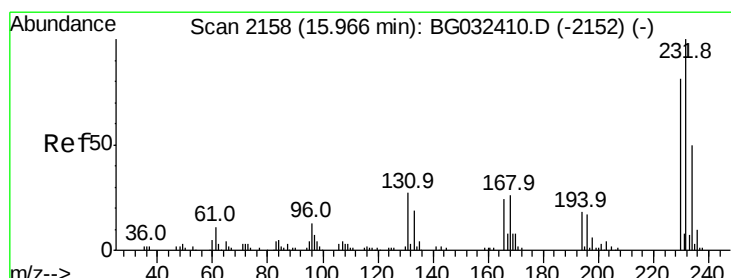
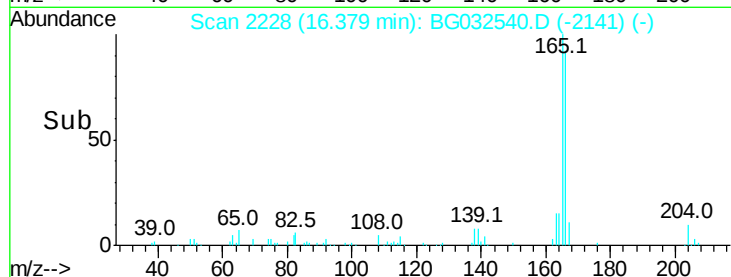
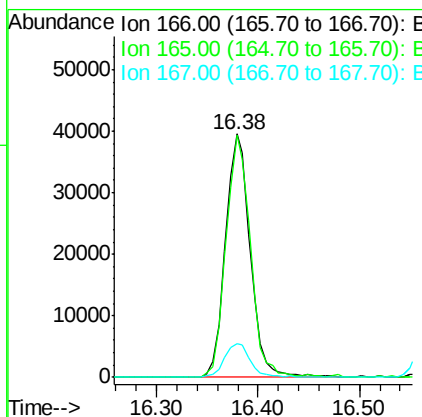
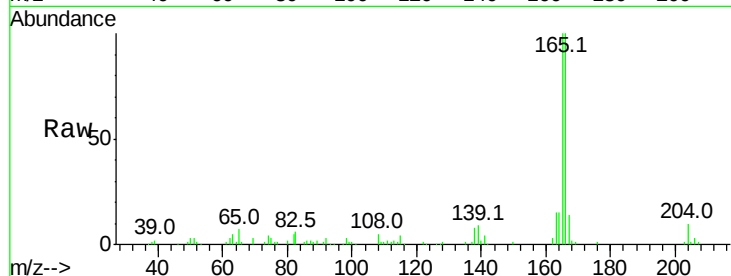
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	166	Resp:	67230
Ion Ratio	Lower	Upper	
166	100		
165	99.6	80.6	121.0
167	13.9	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 15.624 ng

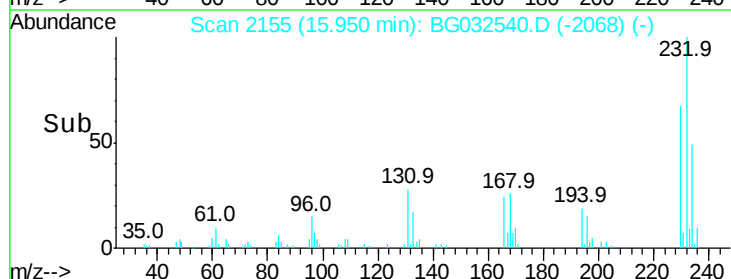
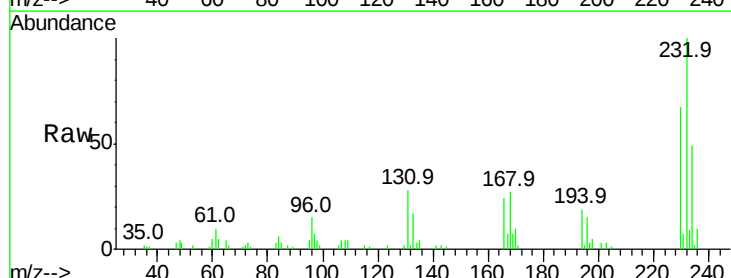
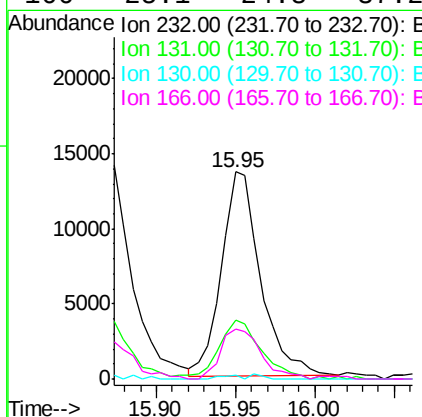
RT: 15.95 min Scan# 2155

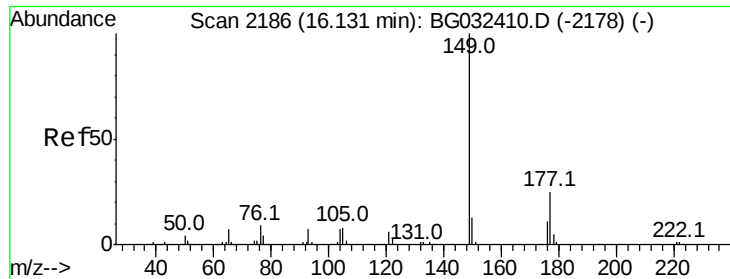
Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	232	Resp:	23295
Ion Ratio	Lower	Upper	
232	100		
131	30.3	33.5	50.3#
130	1.0	2.2	3.2#
166	25.1	24.8	37.2





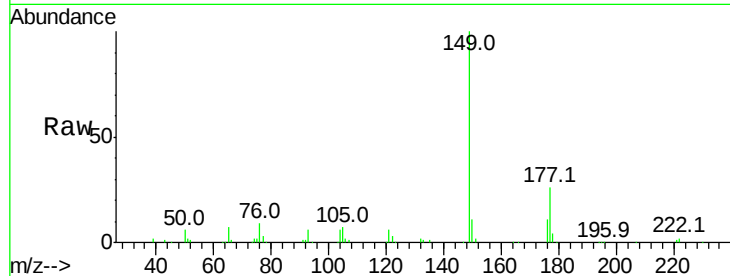
#59
Diethylphthalate
Concen: 14.846 ng
RT: 16.11 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

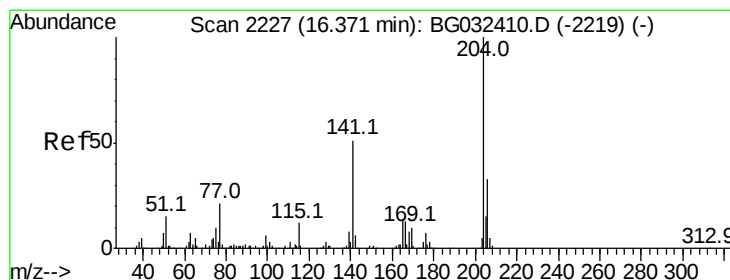
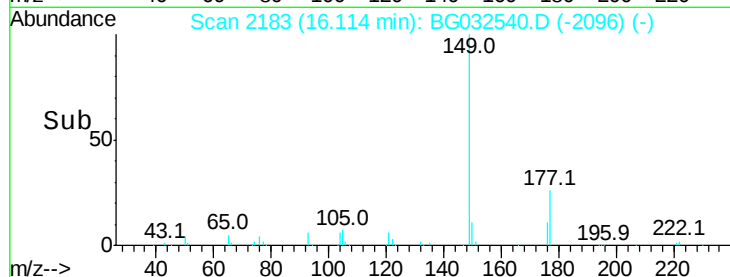
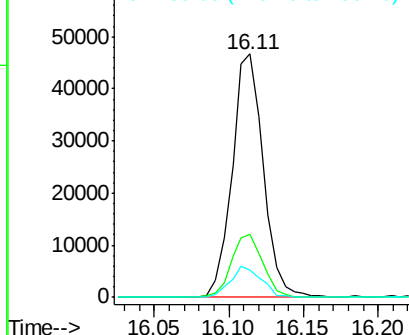
Tot Ion	Ratio	Lower	Upper
149	100		
177	25.9	18.5	27.7
150	11.4	10.2	15.2

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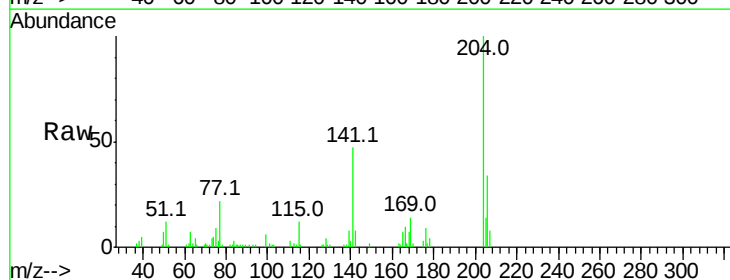


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

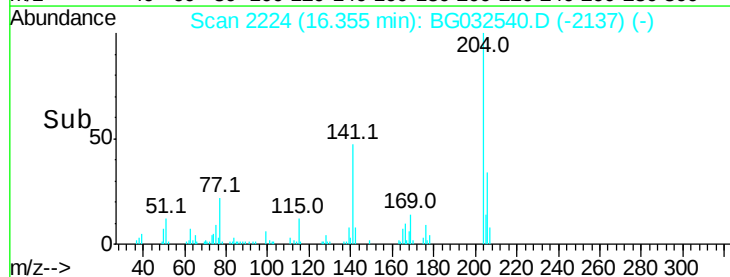
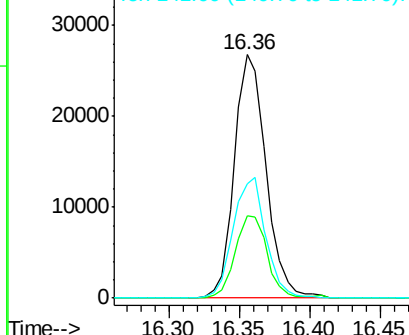


#60
4-Chlorophenyl-phenylether
Concen: 15.261 ng
RT: 16.36 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.2	39.2
141	47.0	45.8	68.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 14.766 ng

RT: 16.40 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

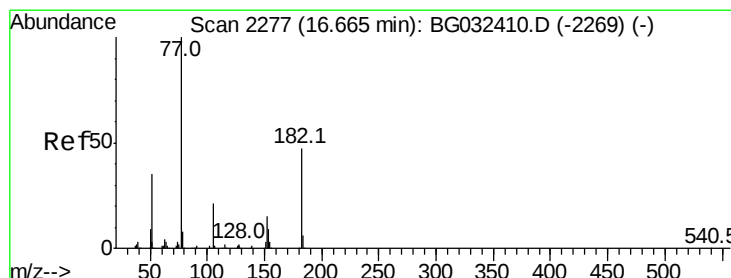
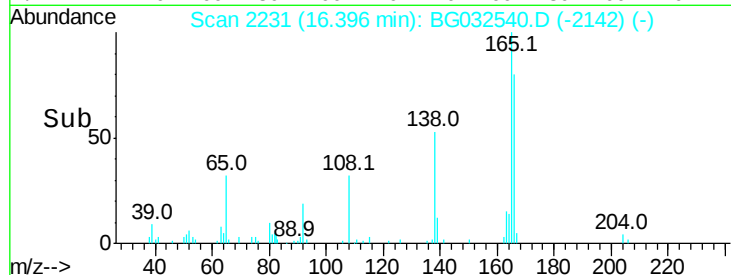
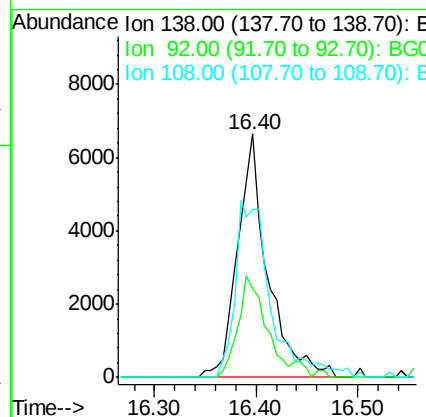
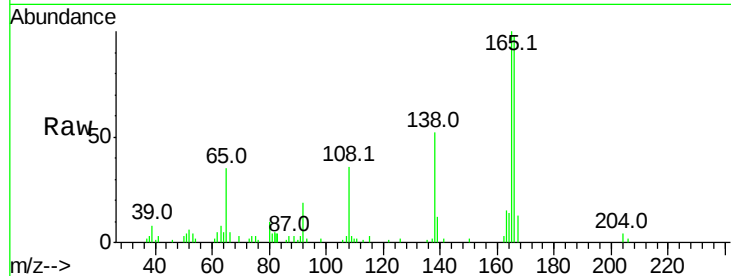
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
138	100		
92	36.3	40.1	80.1#
108	69.0	65.4	105.4

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#62

Azobenzene

Concen: 15.767 ng

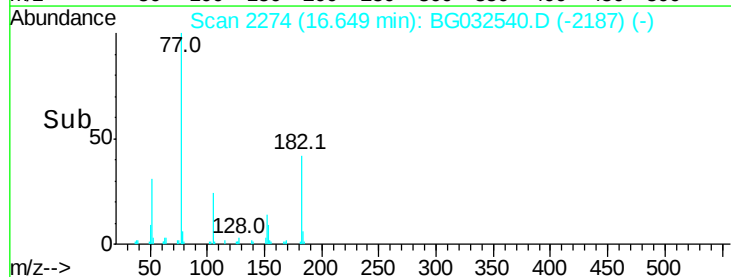
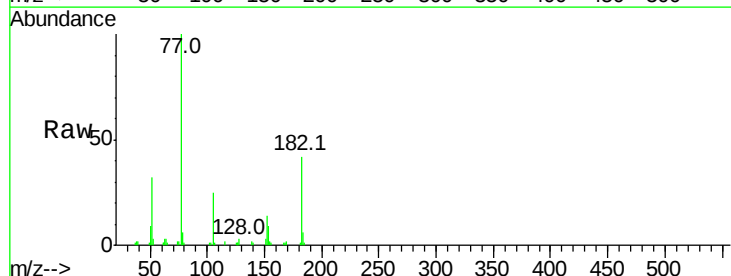
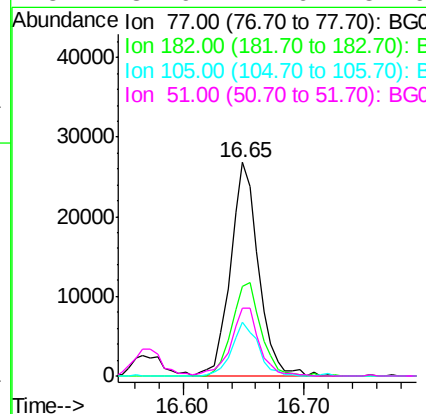
RT: 16.65 min Scan# 2274

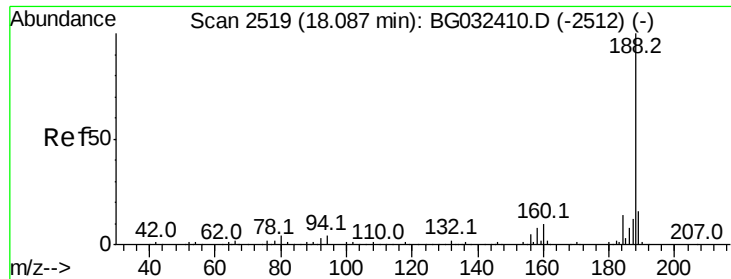
Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
77	100		
182	41.9	7.4	47.4
105	25.2	0.3	40.3
51	31.9	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

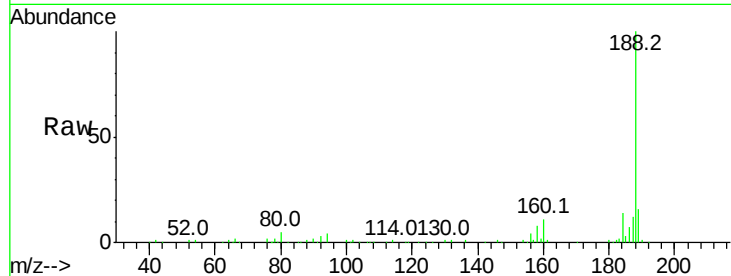
ClientSampleId :

LOQ-SOIL-02-QT1-2018

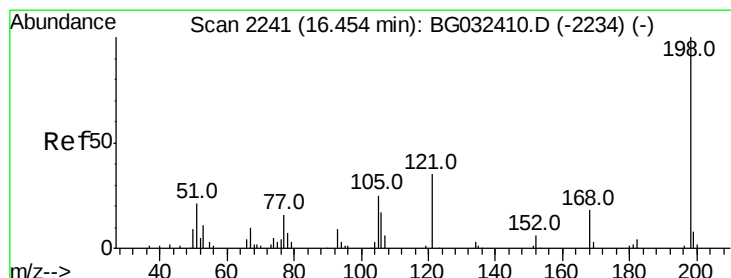
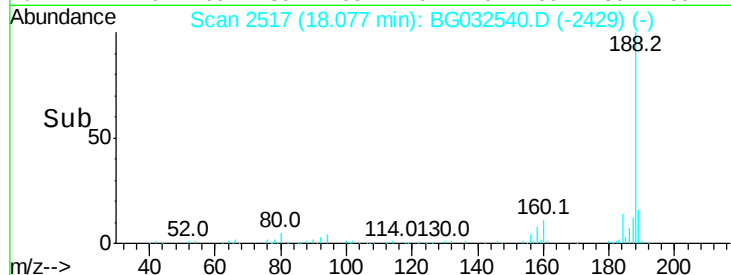
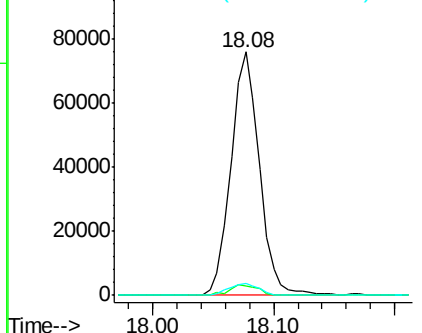
Tot Ion:	188	Resp:	124580
Ion Ratio	Lower	Upper	
188	100		
94	3.6	6.9	10.3#
80	4.9	7.7	11.5#

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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 11.138 ng

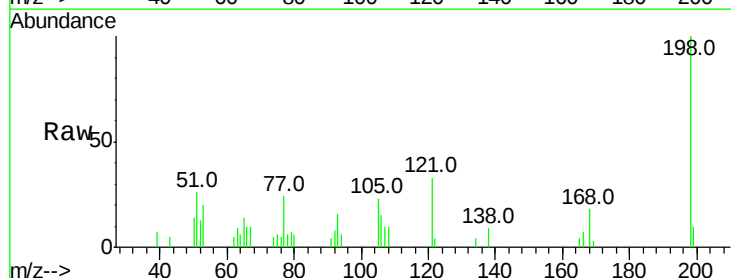
RT: 16.44 min Scan# 2239

Delta R.T. -0.01 min

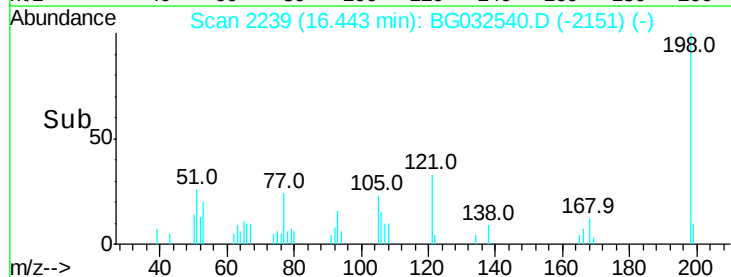
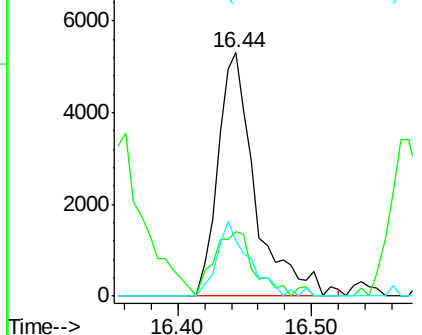
Lab File: BG032540.D

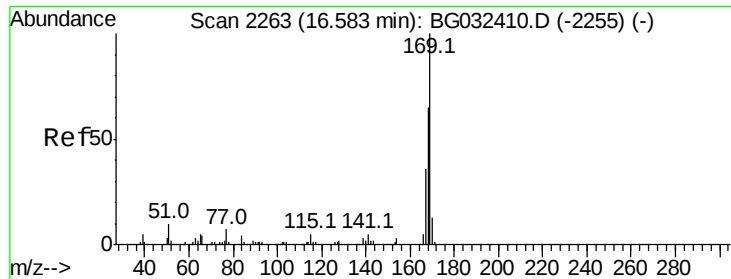
Acq: 5 Feb 2018 19:02

Tgt Ion:	198	Resp:	10366
Ion Ratio	Lower	Upper	
198	100		
51	26.5	30.6	70.6#
105	22.6	23.8	63.8#



Abundance Ion 198.00 (197.70 to 198.70): E





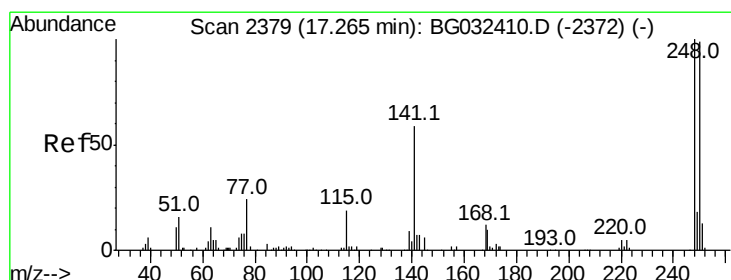
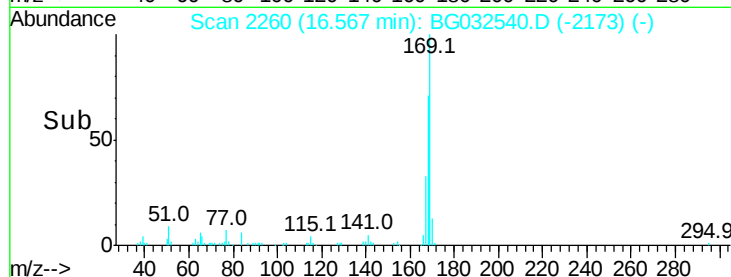
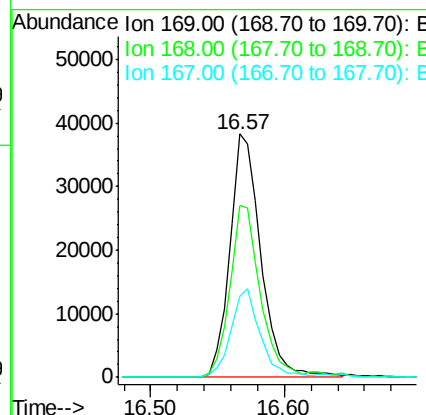
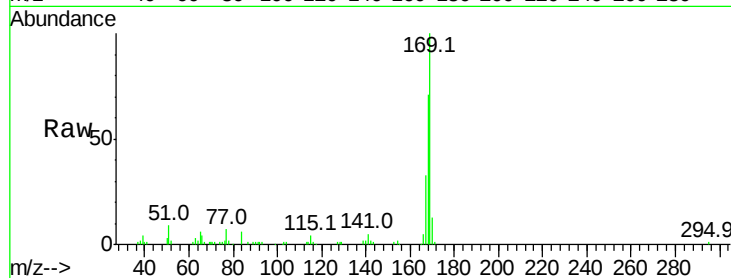
#65
 n-Nitrosodiphenylamine
 Concen: 16.741 ng
 RT: 16.57 min Scan# 2260
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	70.6	55.7	83.5
167	33.4	30.1	45.1

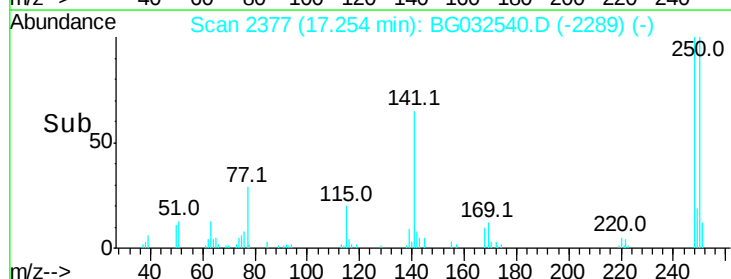
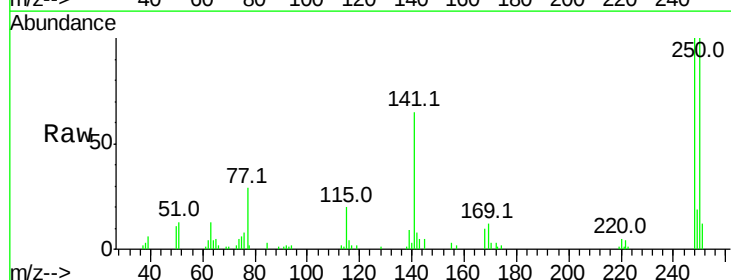
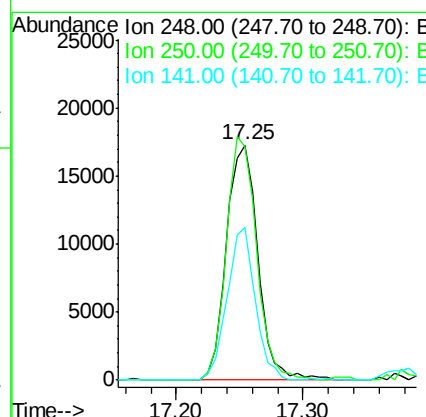
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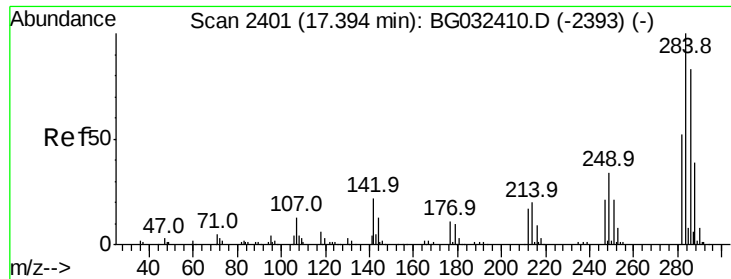
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#66
 4-Bromophenyl-phenylether
 Concen: 16.076 ng
 RT: 17.25 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.1	115.7
141	64.9	50.8	76.2





#67

Hexachlorobenzene

Concen: 16.861 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:284 Resp: 34438

Ion Ratio Lower Upper

284 100

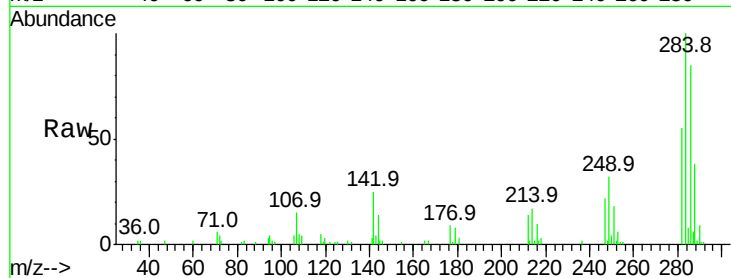
142 25.4 26.8 40.2#

249 31.7 26.3 39.5

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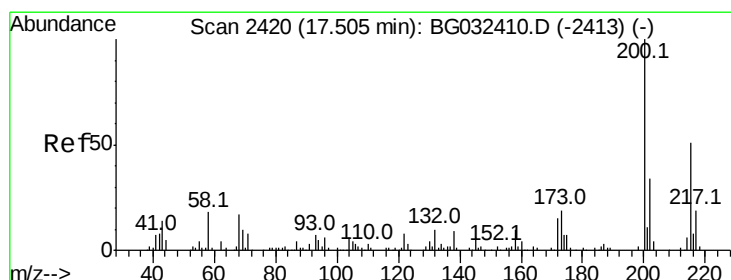
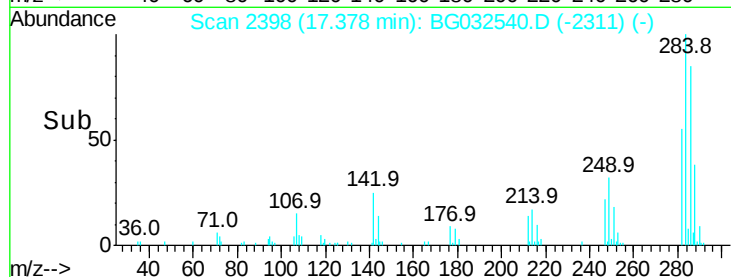
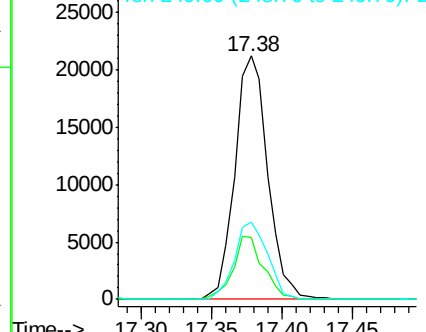
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 17.239 ng

RT: 17.49 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

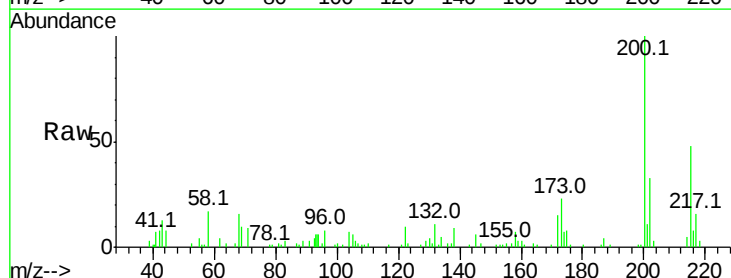
Tgt Ion:200 Resp: 27513

Ion Ratio Lower Upper

200 100

173 23.0 5.2 45.2

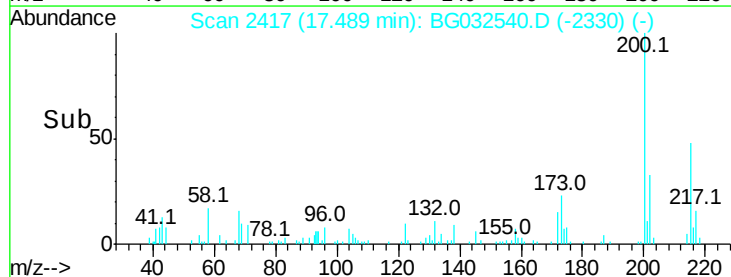
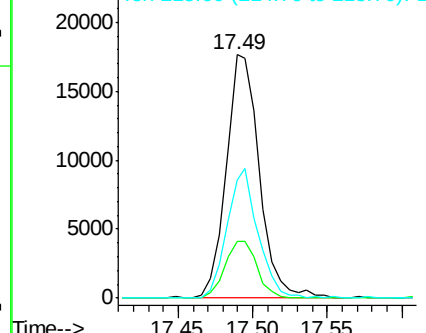
215 48.4 30.4 70.4

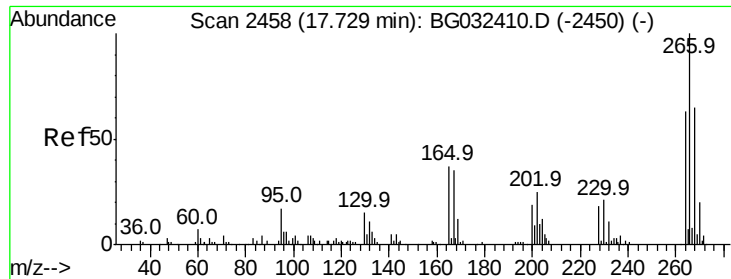


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





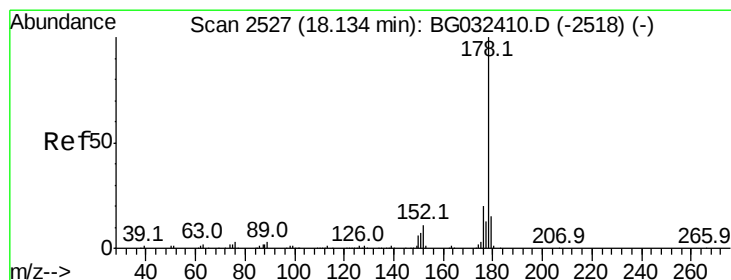
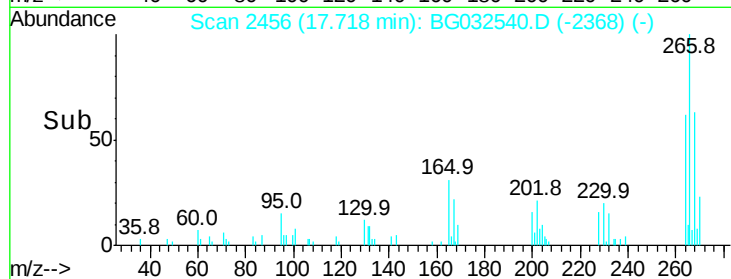
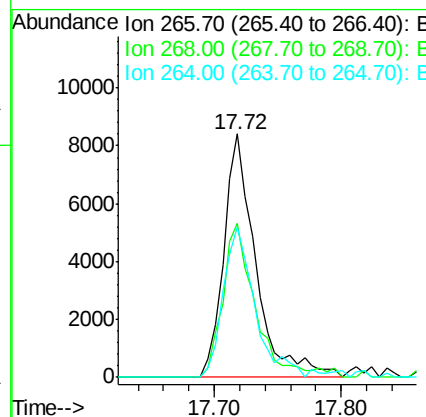
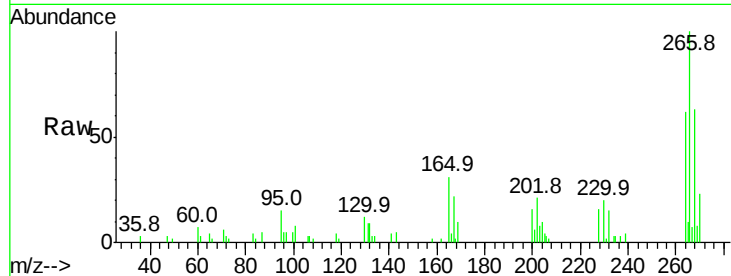
#69
 Pentachlorophenol
 Concen: 11.471 ng
 RT: 17.72 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.1	76.7
264	61.8	49.6	74.4

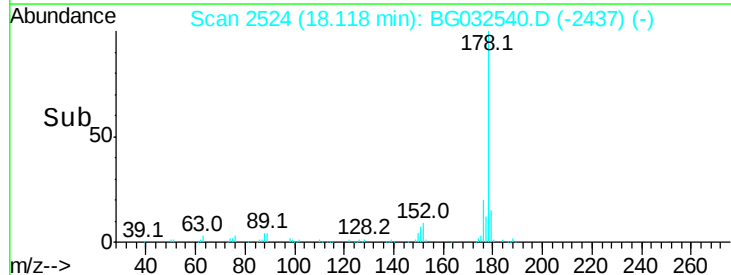
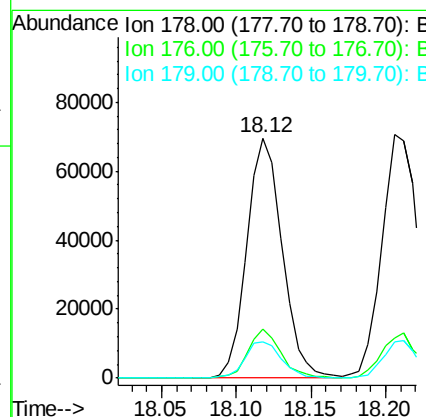
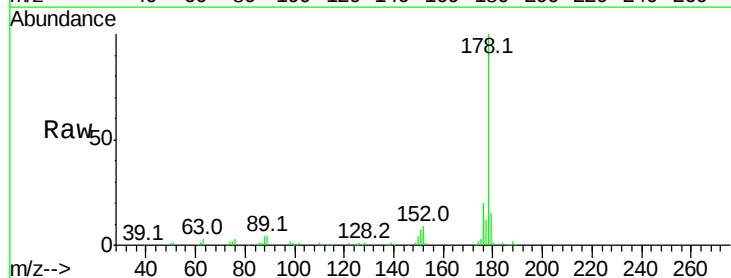
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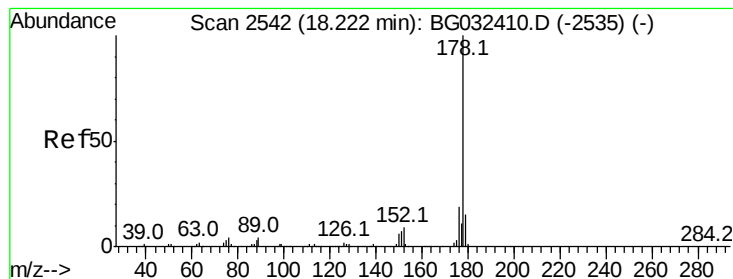
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#70
 Phenanthrene
 Concen: 16.447 ng
 RT: 18.12 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	15.1	12.5	18.7





#71

Anthracene

Concen: 17.246 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

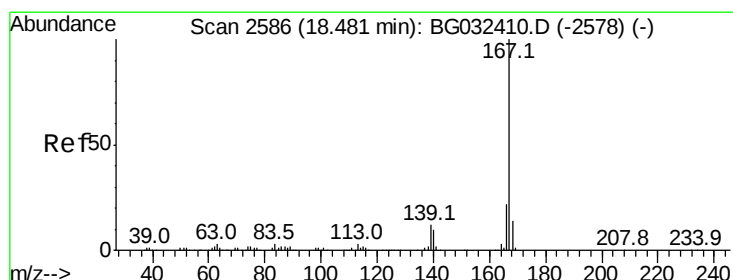
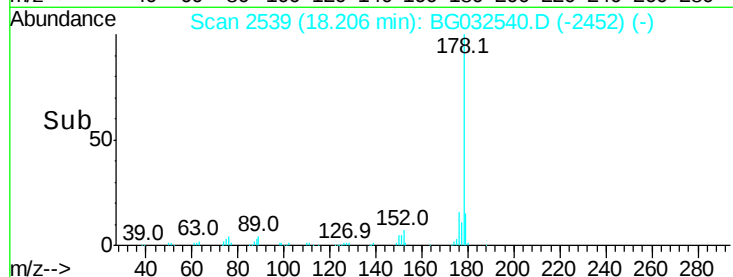
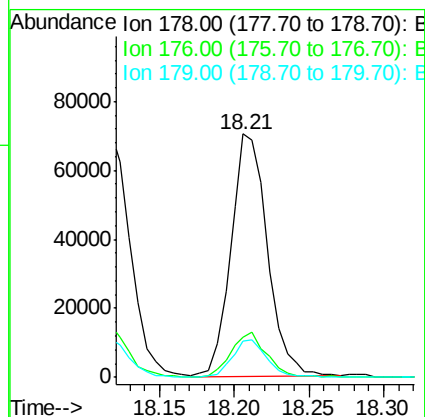
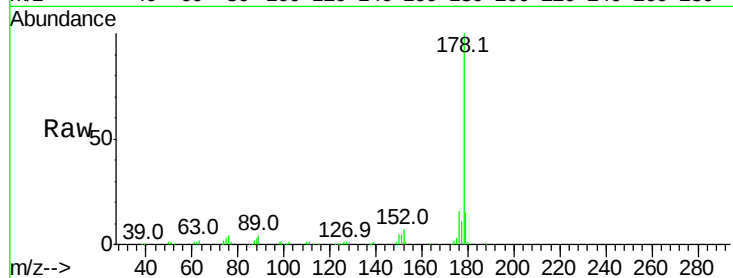
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	178	Resp:	119302
Ion Ratio	Lower	Upper	
178	100		
176	16.4	16.0	24.0
179	14.8	12.5	18.7

Manual Integrations
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#72

Carbazole

Concen: 16.241 ng

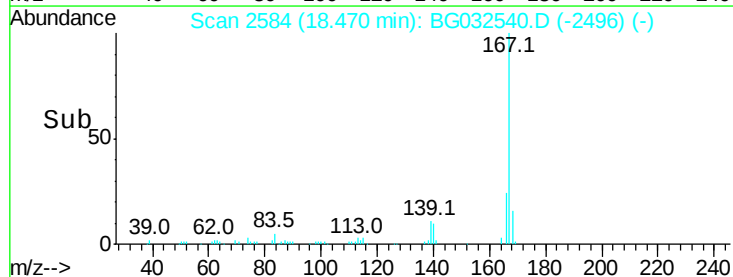
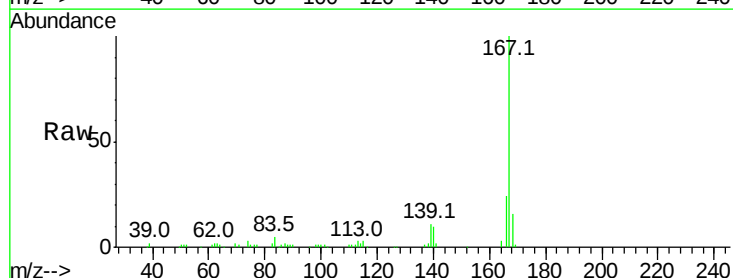
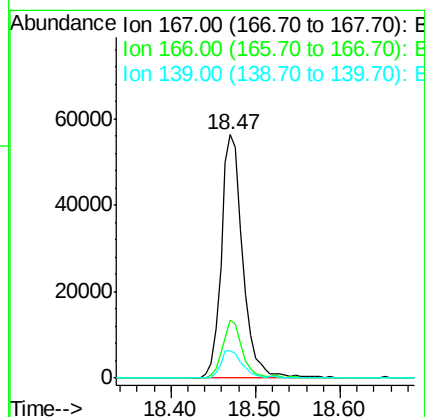
RT: 18.47 min Scan# 2584

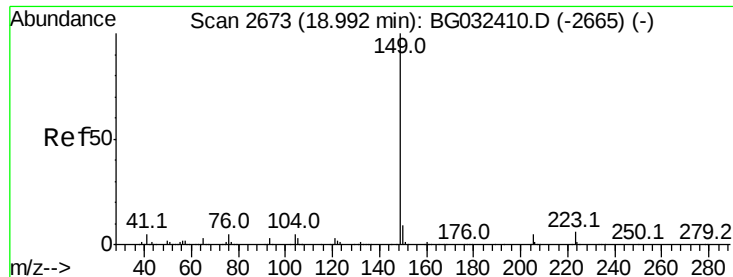
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	167	Resp:	99264
Ion Ratio	Lower	Upper	
167	100		
166	23.9	18.2	27.4
139	11.3	9.4	14.2





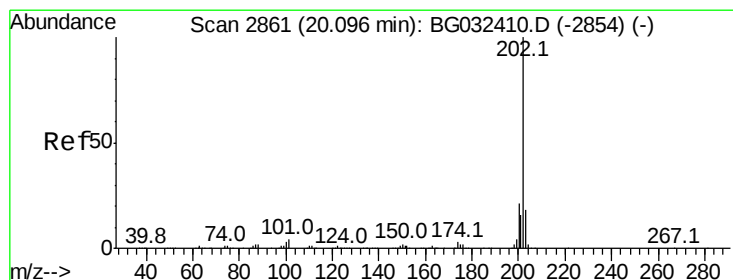
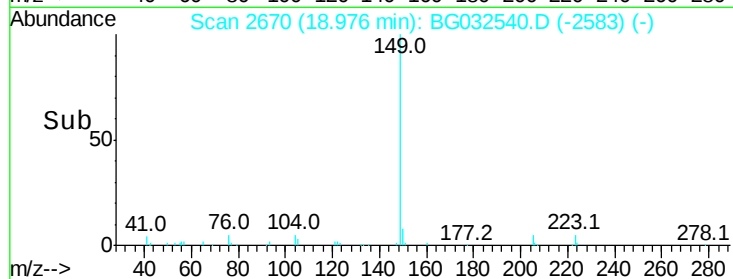
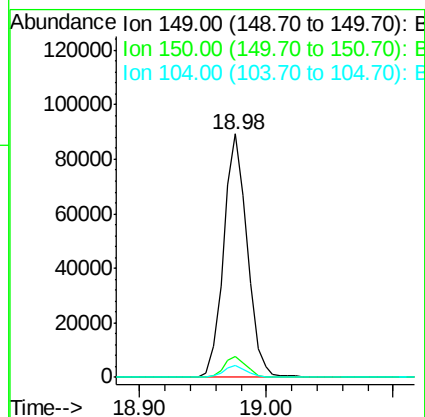
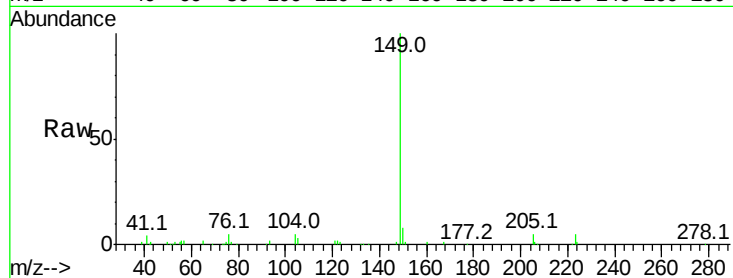
#73
Di-n-butylphthalate
Concen: 16.932 ng
RT: 18.98 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	8.3	7.8	11.6
104	4.9	3.9	5.9

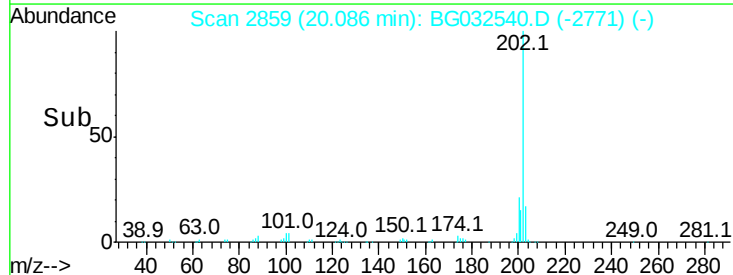
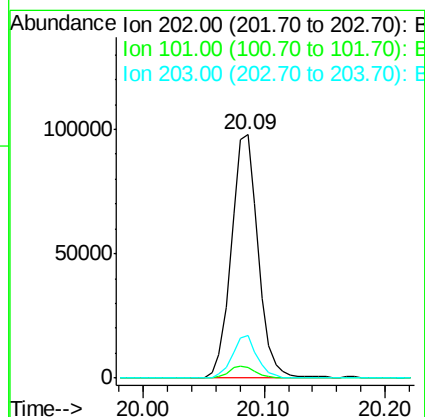
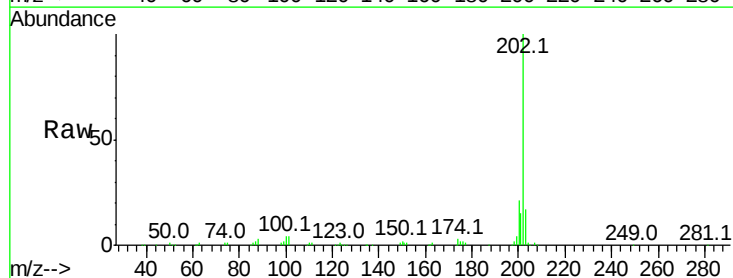
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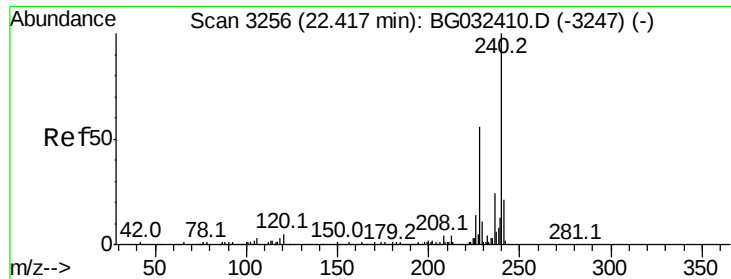
Sohil
2/6/2018 8:45:08 AM



#74
Fluoranthene
Concen: 16.594 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	4.3	0.0	28.9
203	17.3	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.40 min Scan# 3253

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

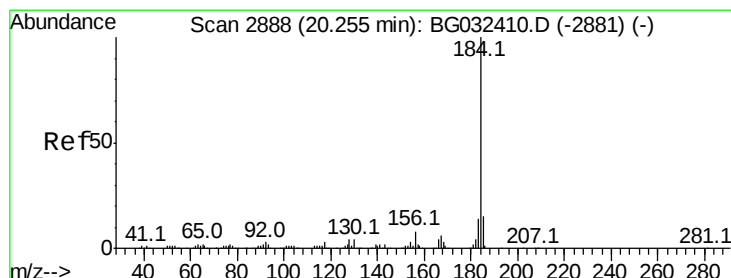
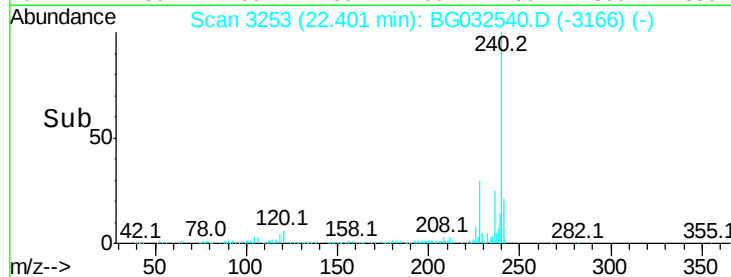
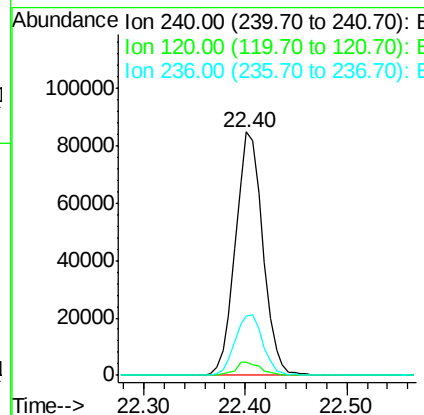
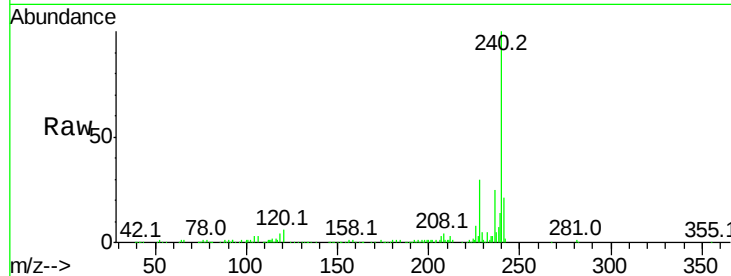
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.8	10.2#
236	24.5	20.9	31.3

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#76

Benzidine

Concen: 7.813 ng

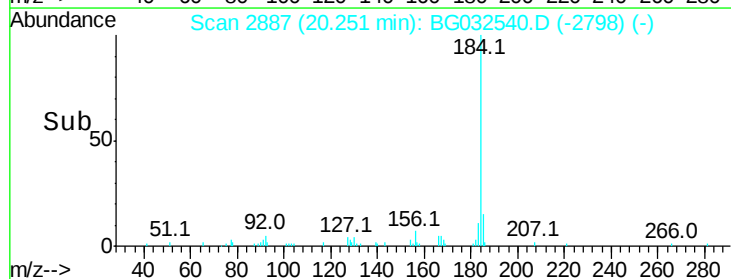
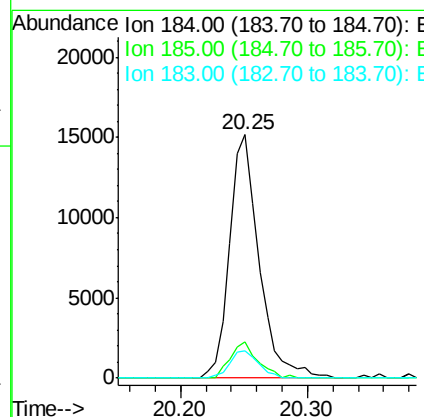
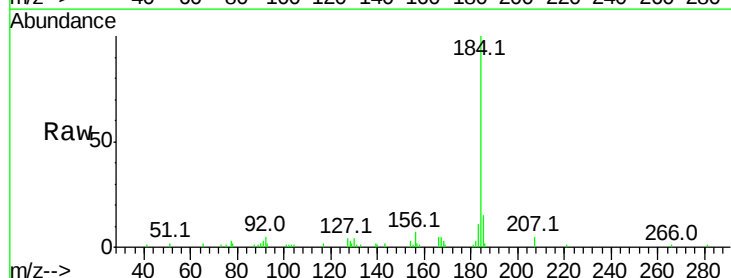
RT: 20.25 min Scan# 2887

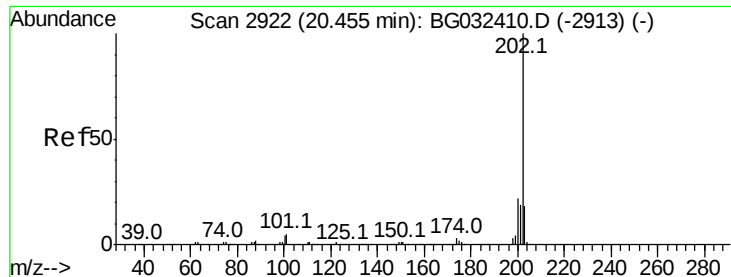
Delta R.T. -0.00 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.1	16.7
183	11.2	10.6	16.0





#77

Pvrene

Concen: 15.516 ng

RT: 20.44 min Scan# 2919

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

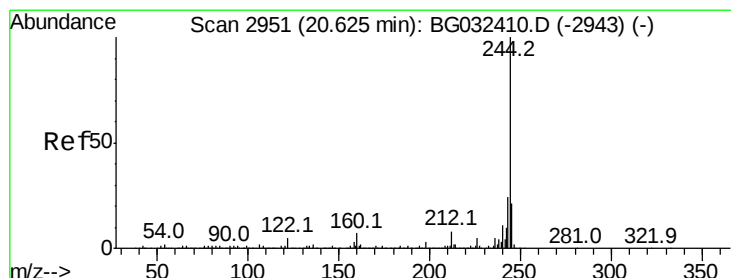
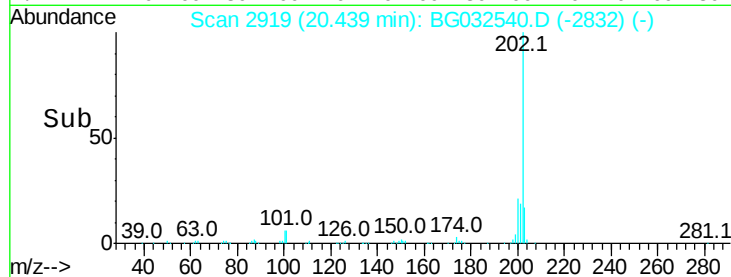
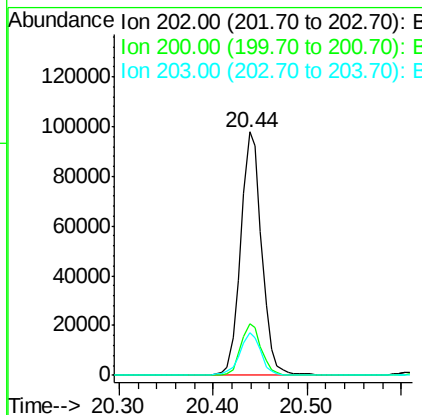
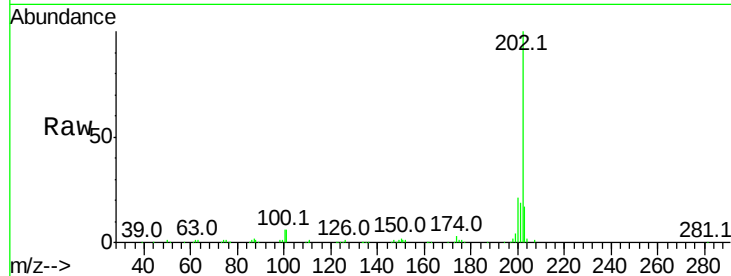
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	202	Resp:	151317
Ion Ratio		Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.4	13.9	20.9

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#78

Terphenyl-d14

Concen: 90.115 ng

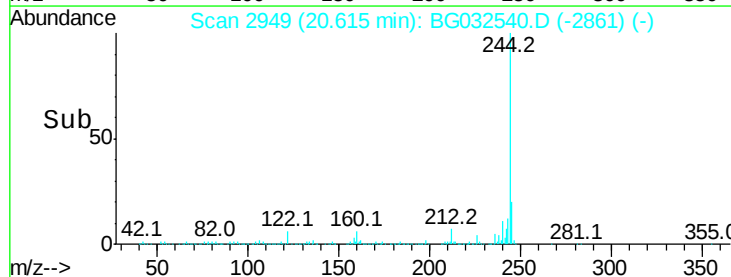
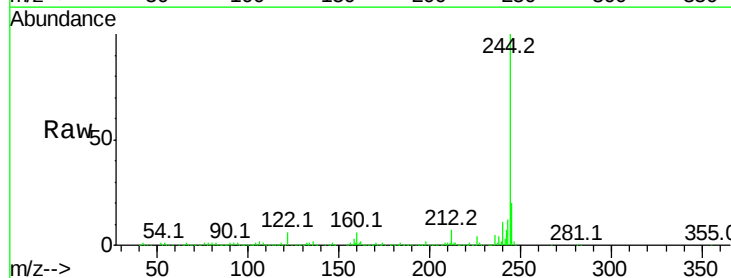
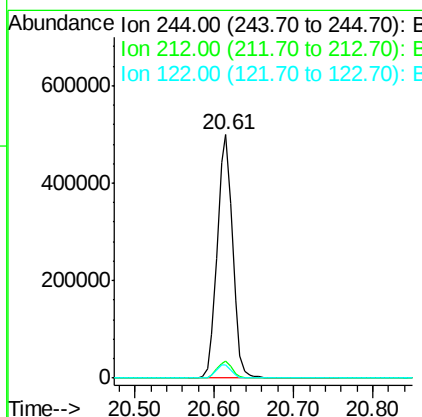
RT: 20.61 min Scan# 2949

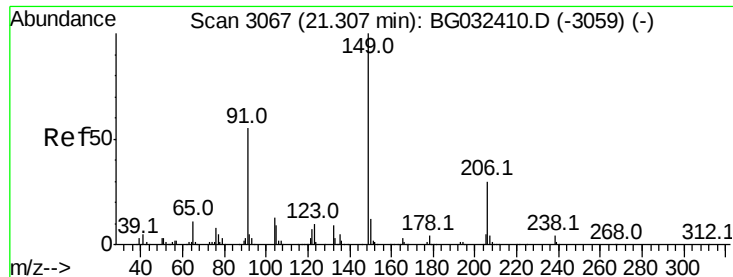
Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	244	Resp:	668898
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.8	8.8
122	5.6	7.0	10.4#





#79

Butylbenzylphthalate

Concen: 17.535 ng

RT: 21.30 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

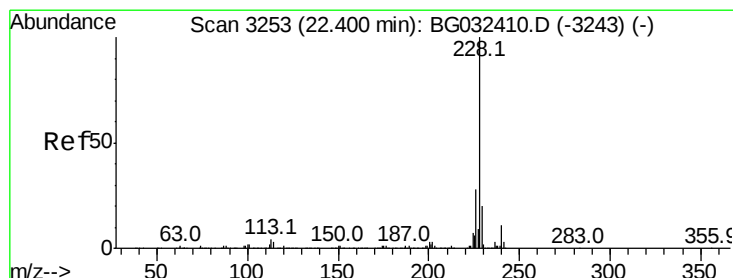
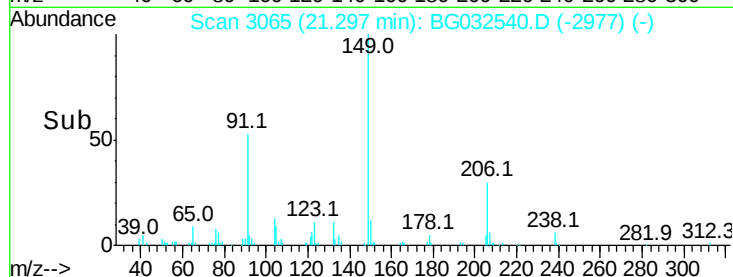
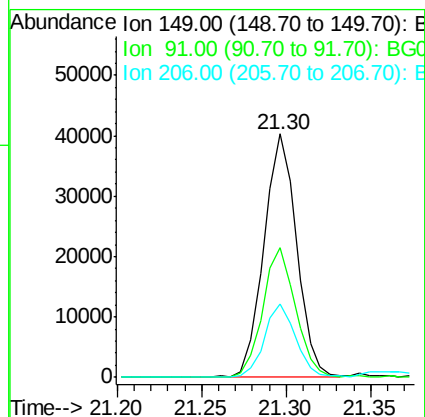
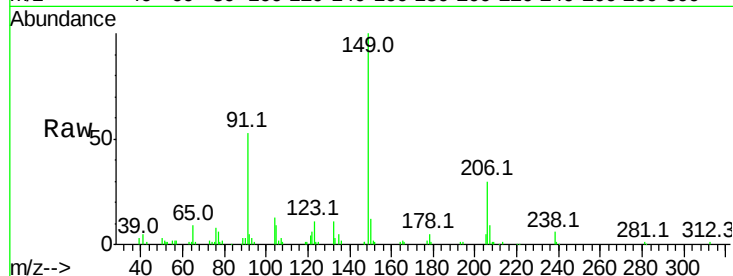
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	149	Resp:	53937
Ion Ratio	Lower	Upper	
149	100		
91	53.2	62.2	93.2#
206	30.0	18.6	27.8#

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#80

Benzo(a)anthracene

Concen: 16.684 ng

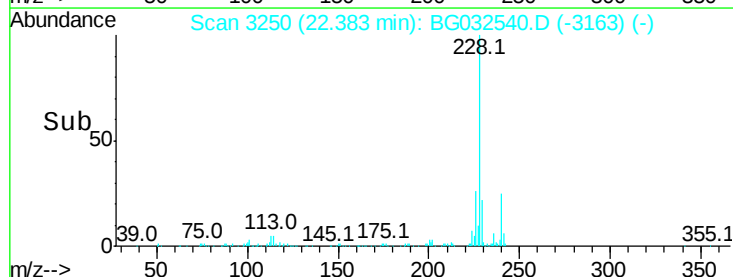
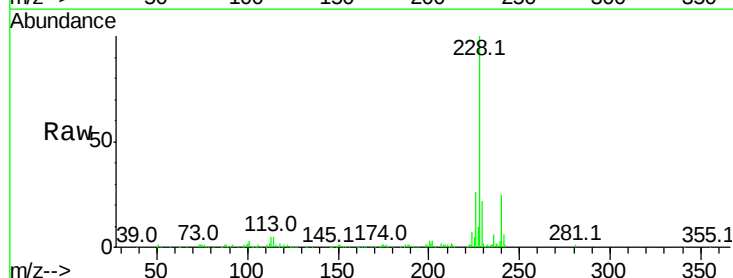
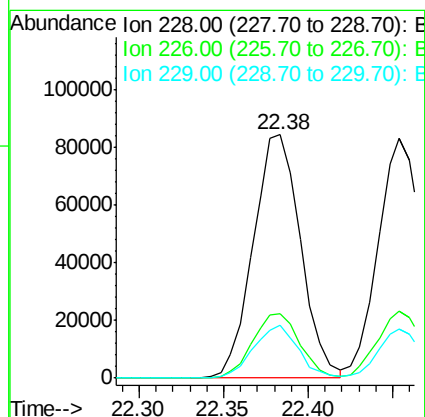
RT: 22.38 min Scan# 3250

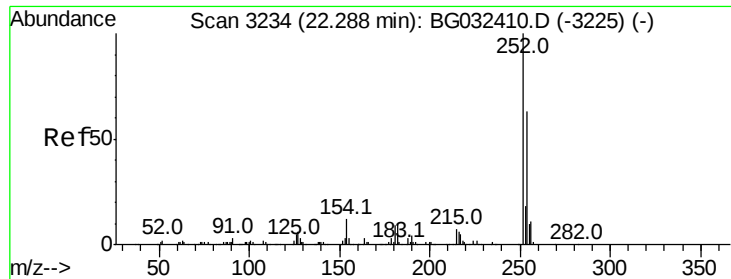
Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	228	Resp:	164458
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.7	34.1
229	21.6	16.2	24.2





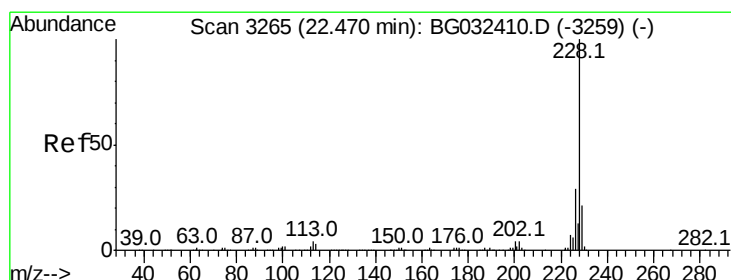
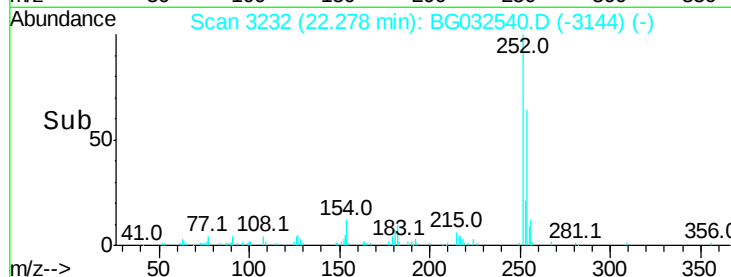
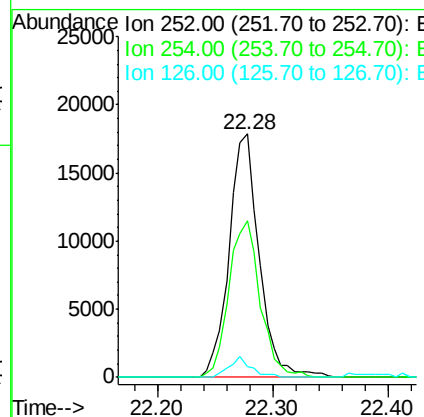
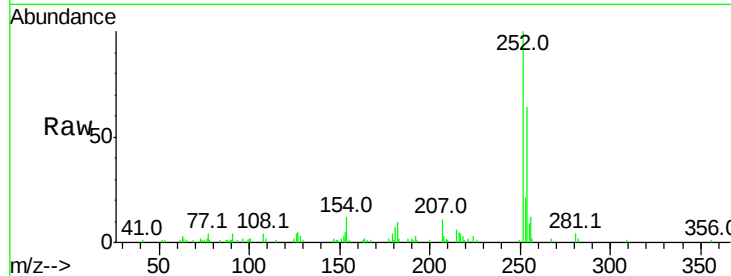
#81
 3,3'-Dichlorobenzidine
 Concen: 8.447 ng
 RT: 22.28 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.1	50.8	76.2
126	4.1	7.4	11.2

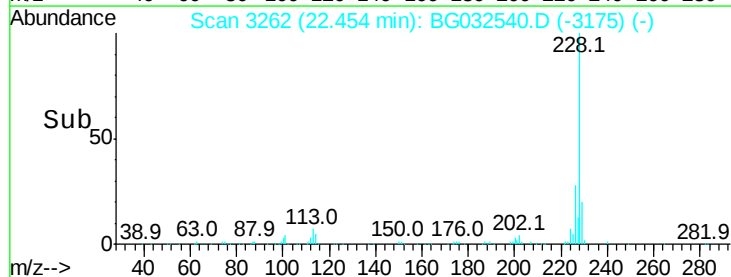
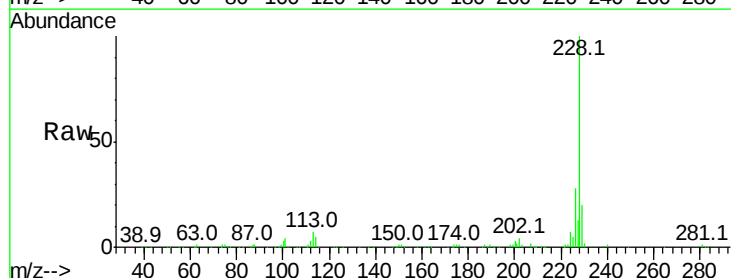
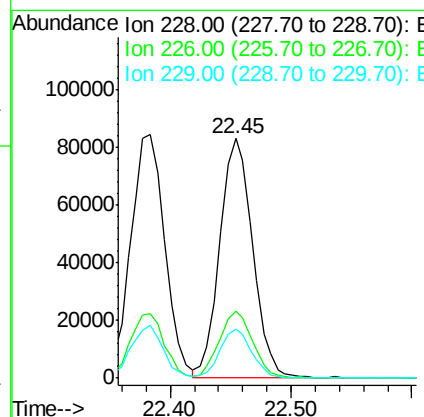
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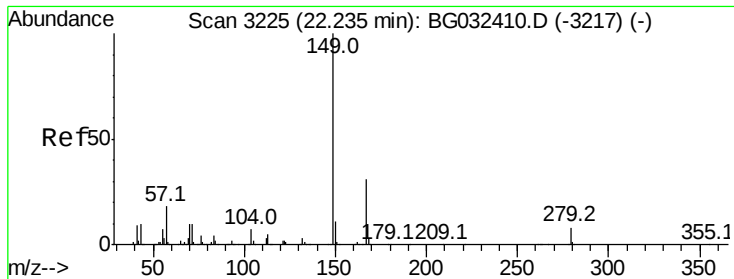
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#82
 Chrysene
 Concen: 16.463 ng
 RT: 22.45 min Scan# 3262
 Delta R.T. -0.02 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.1	24.9	37.3
229	20.4	15.0	22.4





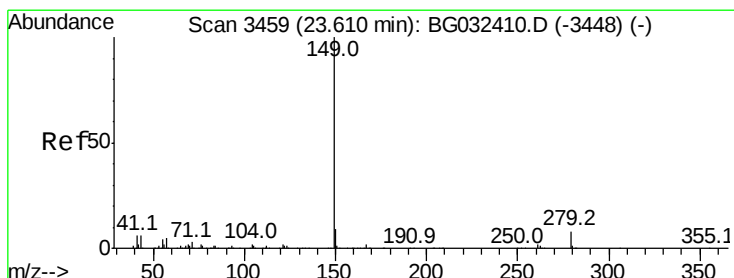
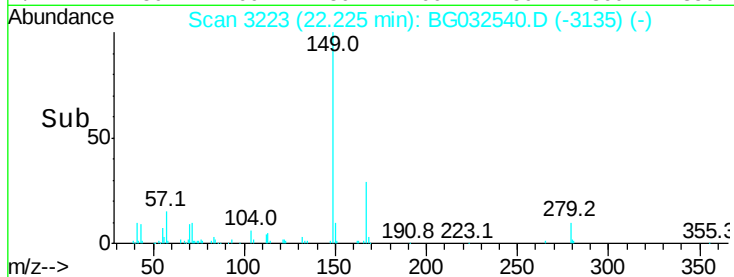
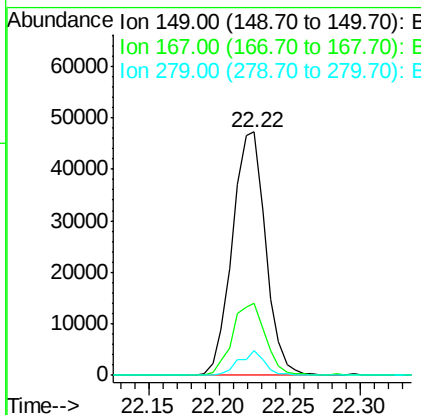
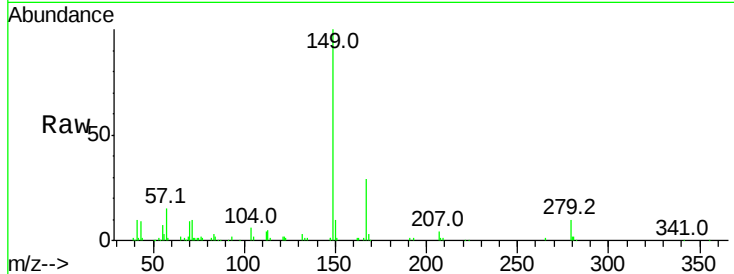
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 17.815 ng
 RT: 22.22 min Scan# 3223
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	24.3	36.5
279	10.0	4.0	6.0

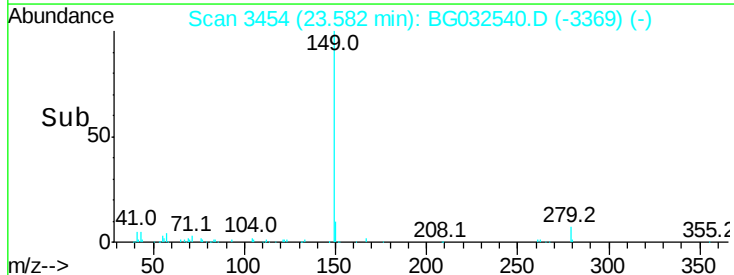
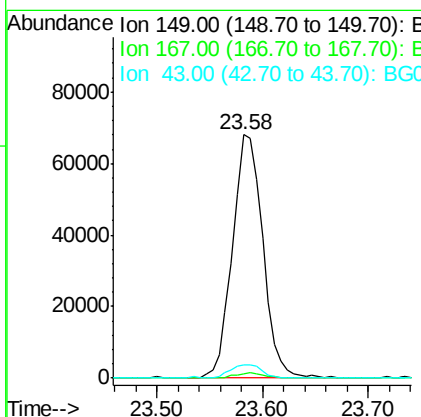
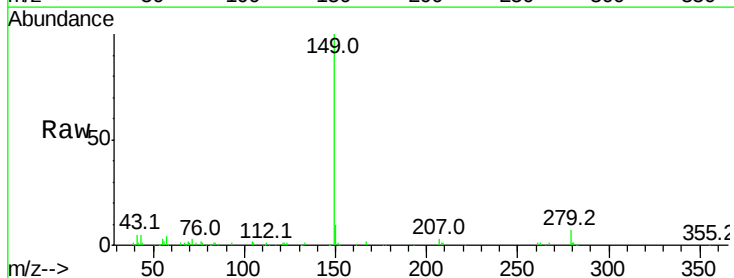
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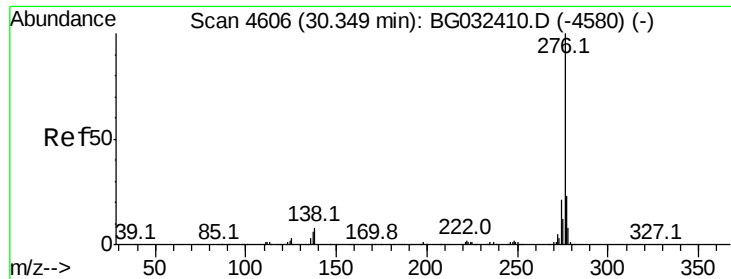
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#84
 Di-n-octyl phthalate
 Concen: 19.538 ng
 RT: 23.58 min Scan# 3454
 Delta R.T. -0.03 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.4	2.0
43	6.1	8.9	13.3





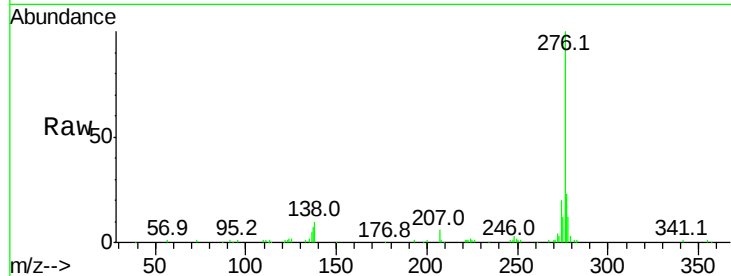
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.166 ng
 RT: 30.32 min Scan# 4601
 Delta R.T. -0.03 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	0.0	16.0	24.0#	
277	0.0	20.0	30.0#	

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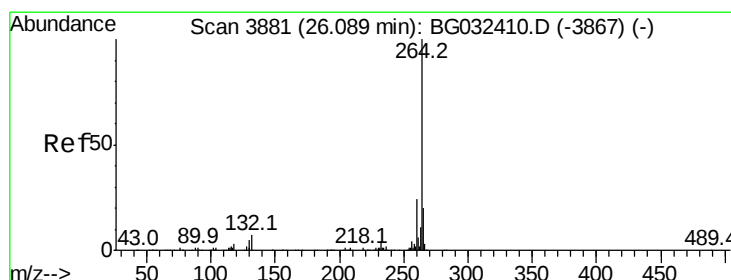
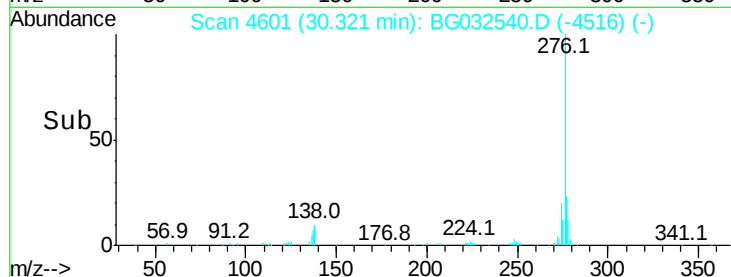
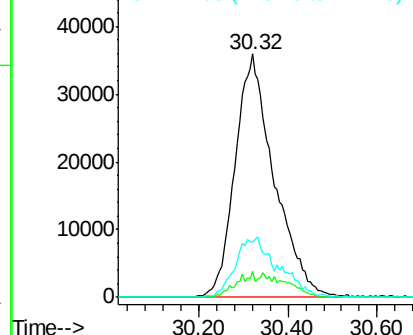


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.08 min Scan# 3879
 Delta R.T. -0.01 min
 Lab File: BG032540.D
 Acq: 5 Feb 2018 19:02

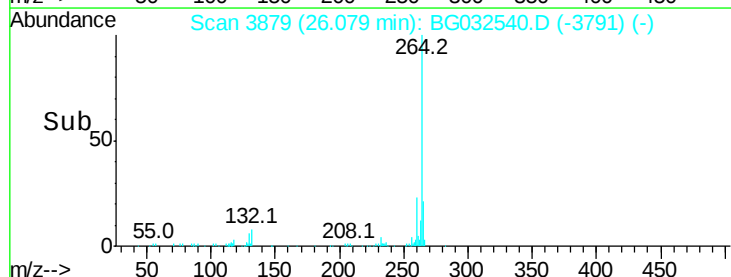
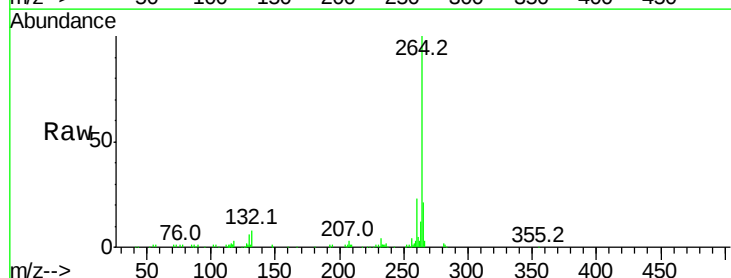
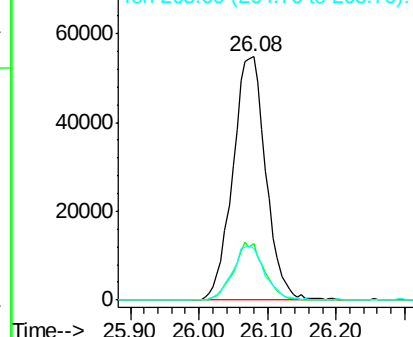
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	17.4	26.0	
265	21.3	17.7	26.5	

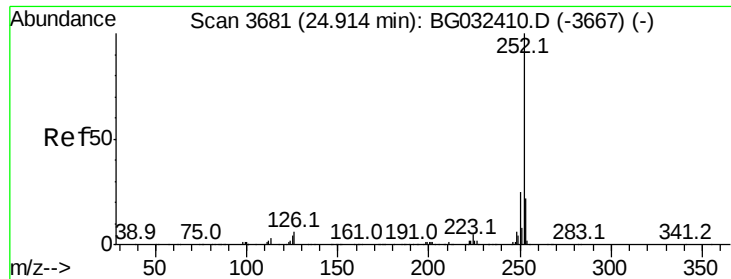
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.628 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.02 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

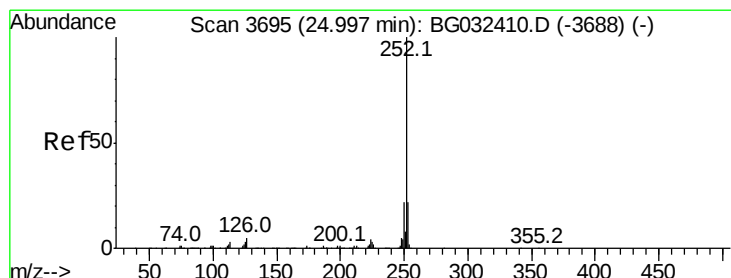
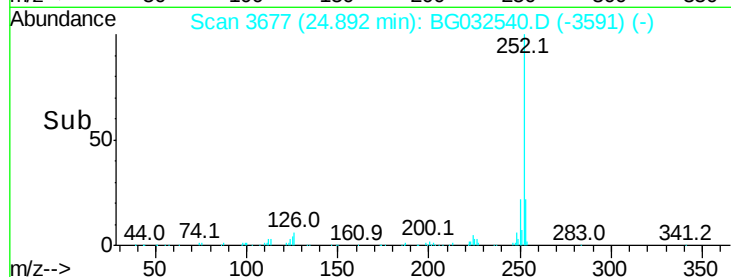
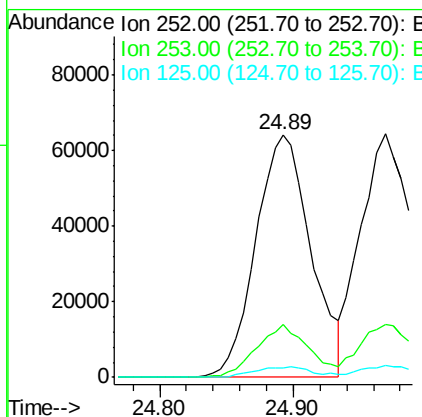
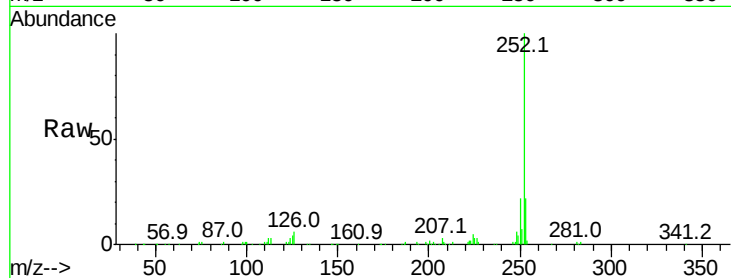
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	252	Resp:	183530
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.4
125	3.9	7.2	10.8#

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#88

Benzo(k)fluoranthene

Concen: 16.358 ng

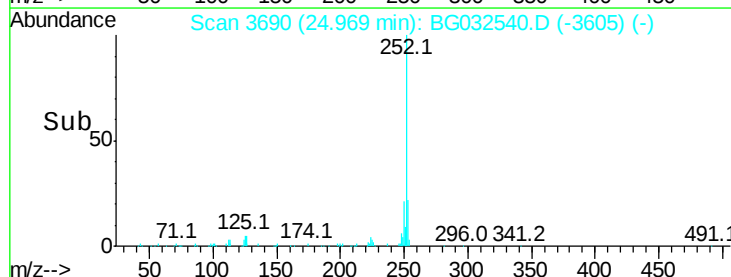
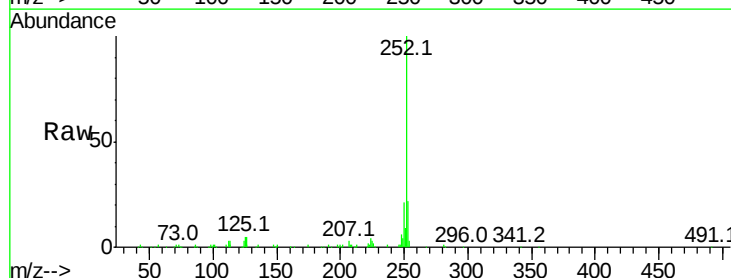
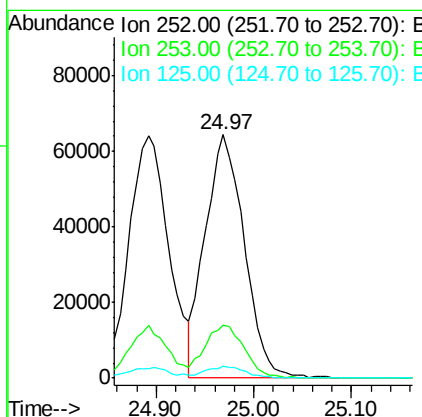
RT: 24.97 min Scan# 3690

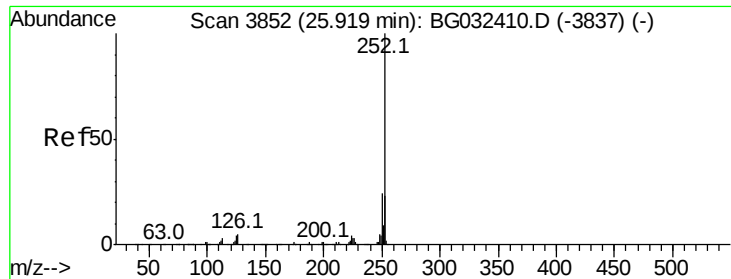
Delta R.T. -0.03 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Tgt Ion:	252	Resp:	178847
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.2
125	5.1	6.6	9.8#





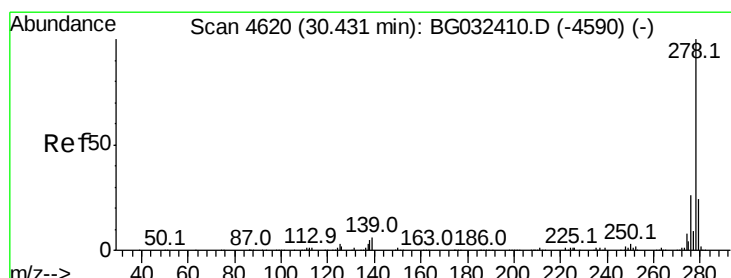
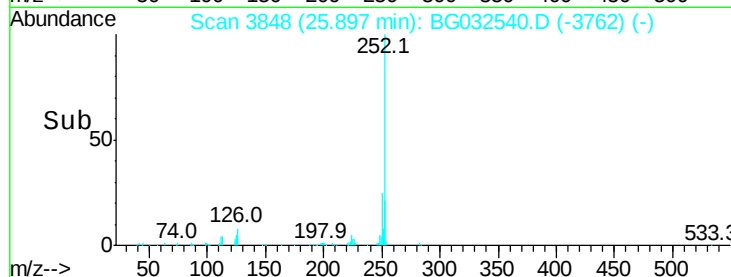
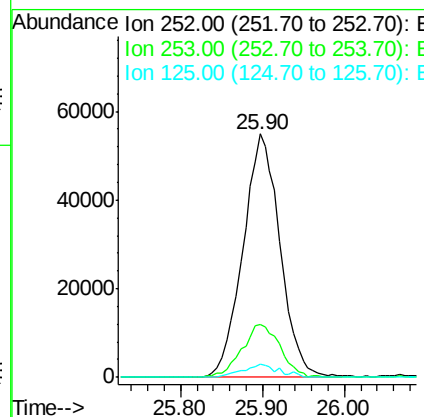
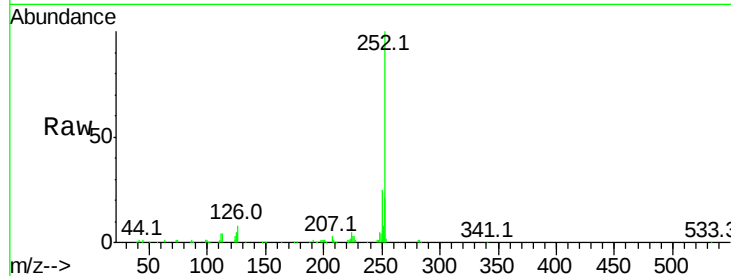
#89
Benzo(a)pyrene
Concen: 16.407 ng
RT: 25.90 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.3	27.5
125	5.4	7.3	10.9

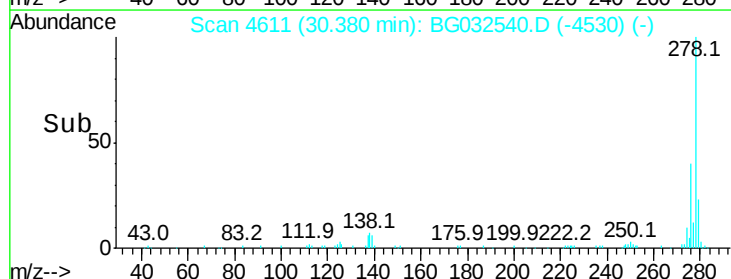
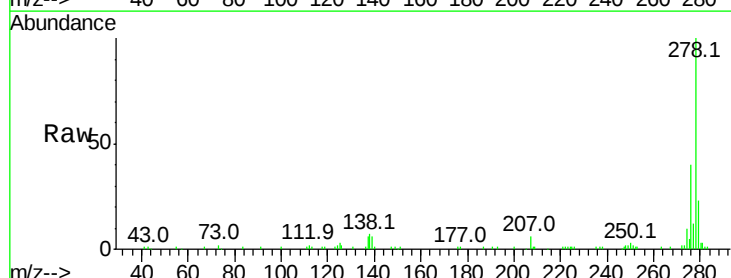
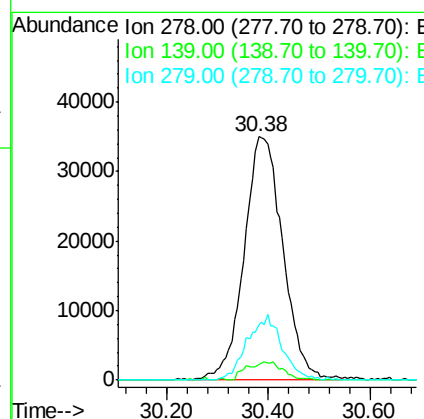
Manual Integrations
APPROVED

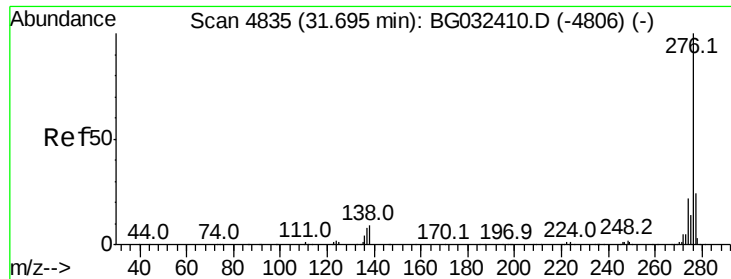
Sohil
2/6/2018 8:45:08 AM



#90
Dibenzo(a,h)anthracene
Concen: 17.259 ng
RT: 30.38 min Scan# 4611
Delta R.T. -0.05 min
Lab File: BG032540.D
Acq: 5 Feb 2018 19:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	6.3	9.8	14.6
279	23.0	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 17.079 ng

RT: 31.65 min Scan# 4827

Delta R.T. -0.05 min

Lab File: BG032540.D

Acq: 5 Feb 2018 19:02

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:	276	Resp:	182478
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.3	27.5
138	11.5	13.9	20.9

Manual Integrations
APPROVED

Sohil
2/6/2018 8:45:08 AM

