

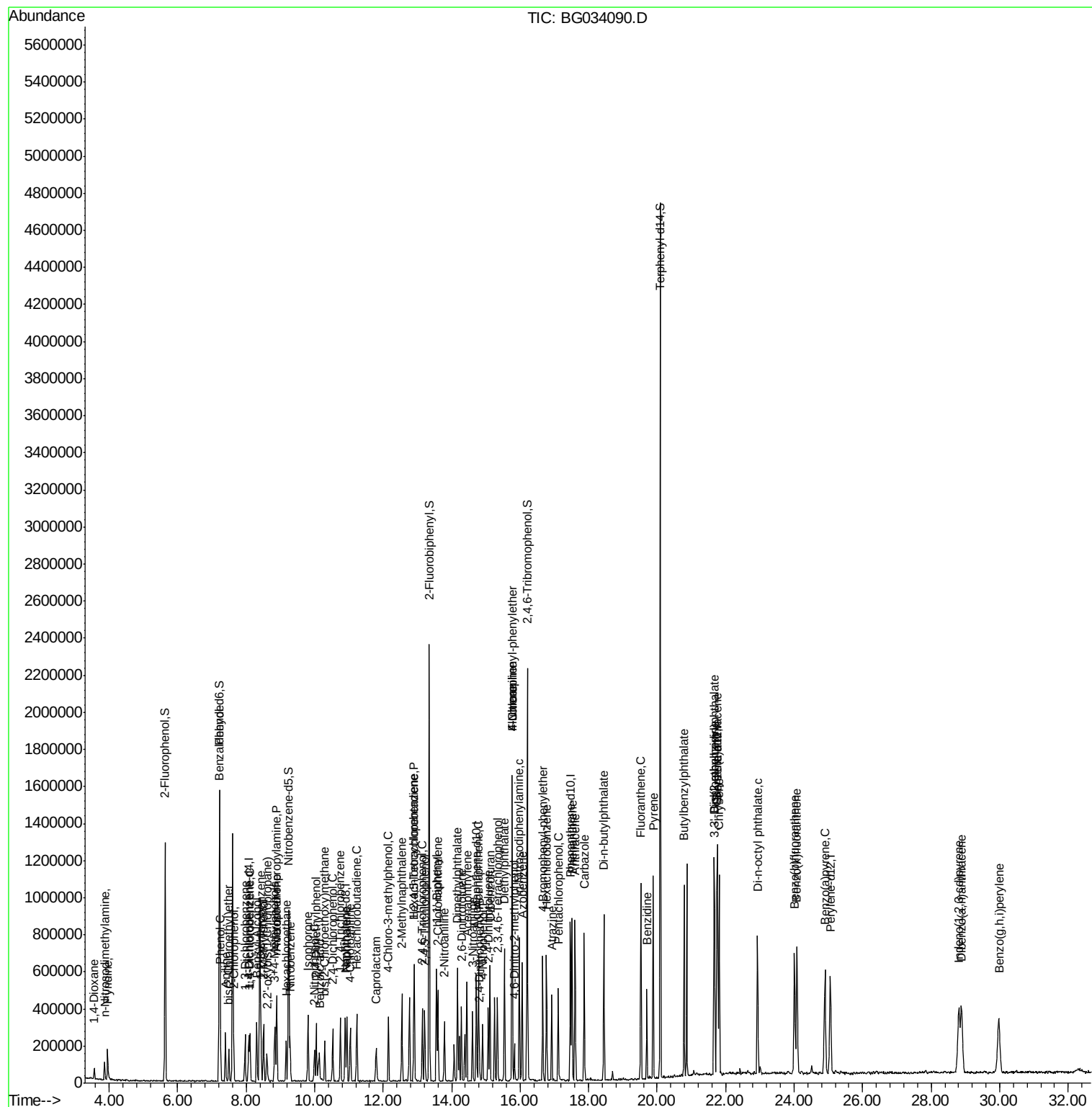
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034090.D
Acq On : 1 May 2018 22:24
Operator : SJ/JU
Sample : J2133-02
Misc : 20PPM L00
ALS Vial : 8 Sample Multiplier: 1

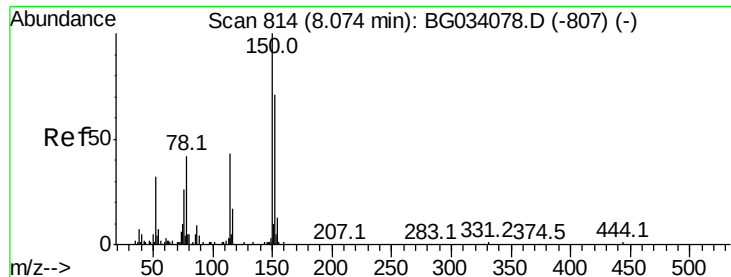
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM

Quant Time: May 02 05:56:21 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration





#1

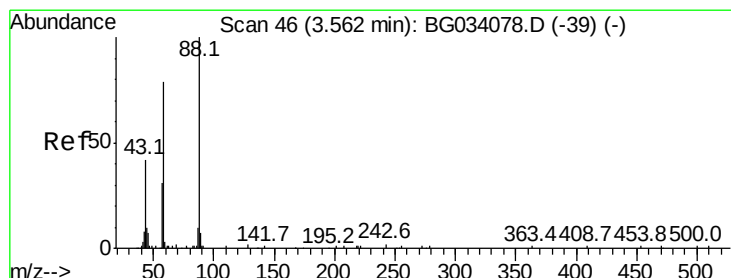
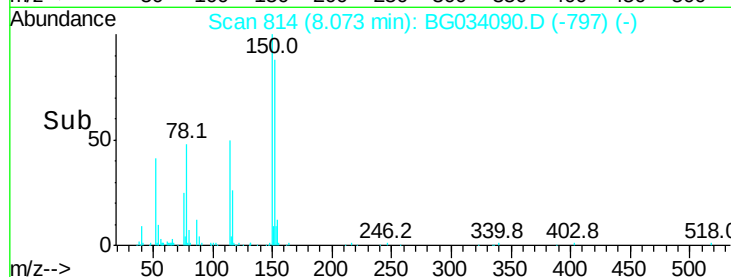
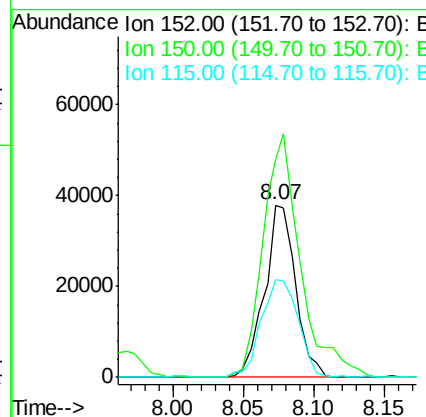
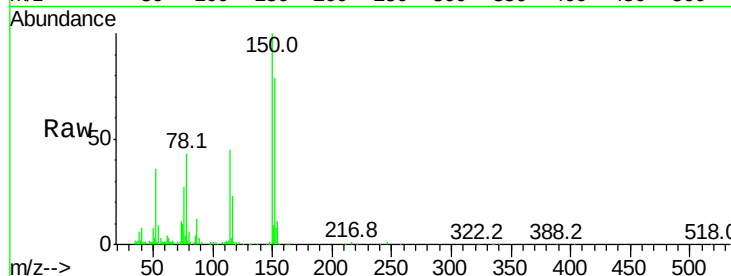
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	126.9	126.6	189.8
115	56.5	53.0	79.4

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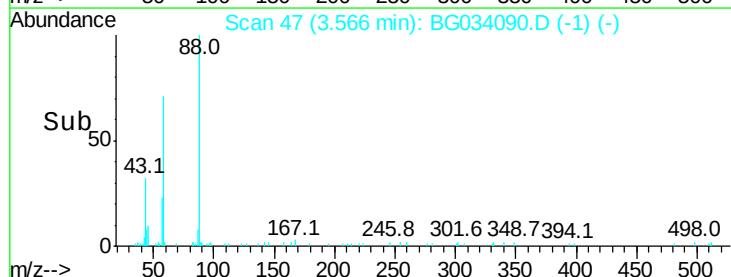
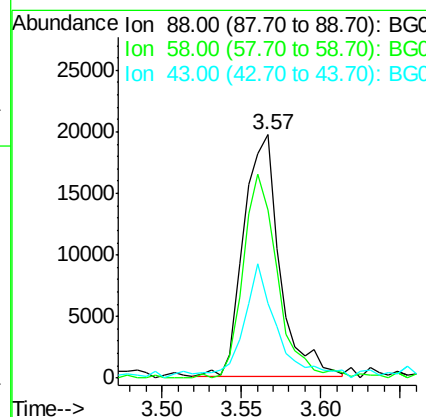
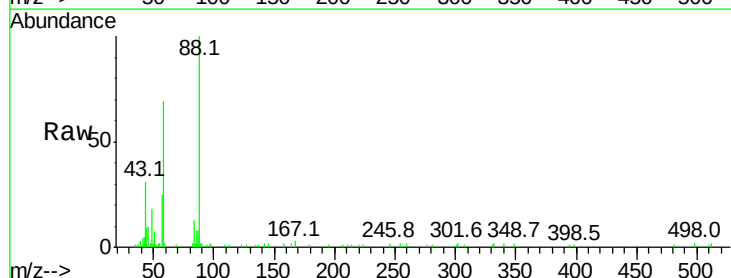
Sohil
5/2/2018 4:50:46 PM

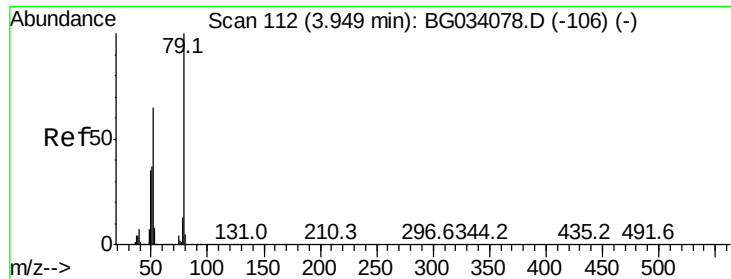


#2

1,4-Dioxane
Concen: 20.200 ng
RT: 3.57 min Scan# 47
Delta R.T. 0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.2	79.6	119.4
43	43.6	27.4	41.0





#3

Pvridine

Concen: 20.026 ng

RT: 3.95 min Scan# 112

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

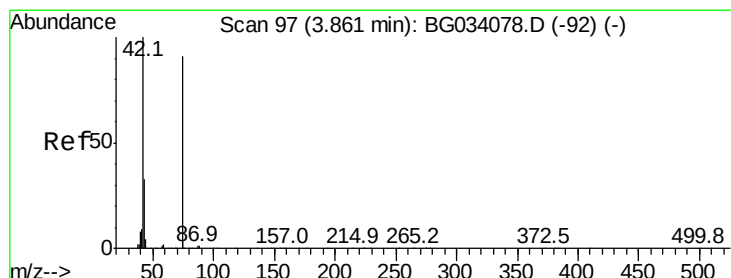
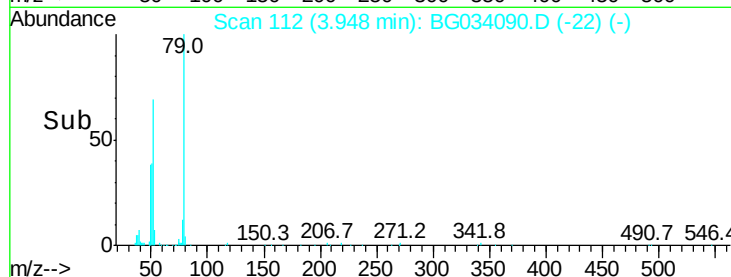
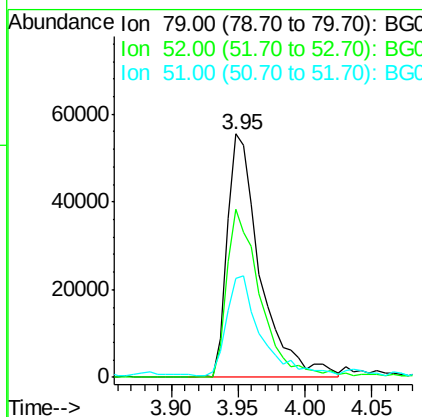
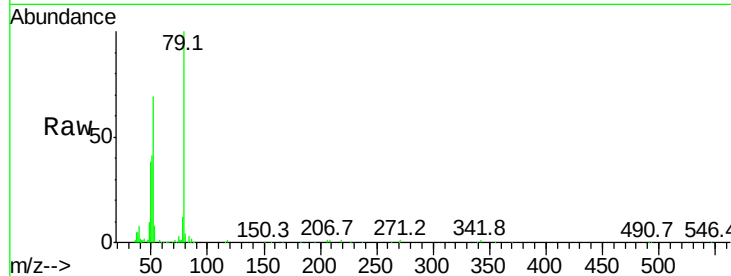
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	79	Resp:	95936
Ion Ratio	Lower	Upper	
79	100		
52	68.9	69.9	104.9#
51	40.6	34.0	51.0

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM



#4

n-Nitrosodimethylamine

Concen: 20.176 ng

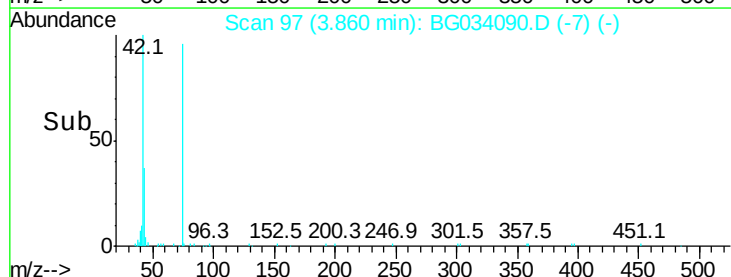
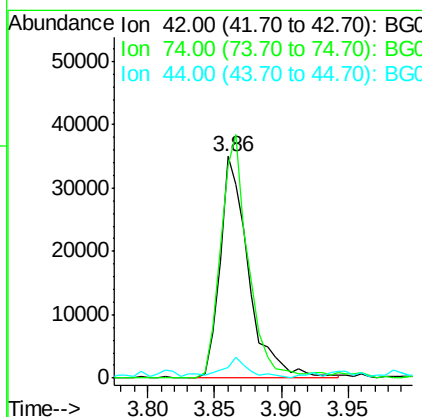
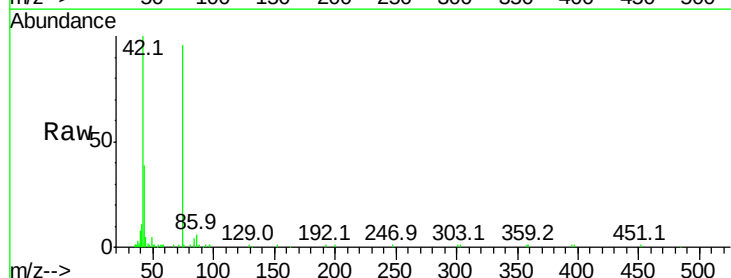
RT: 3.86 min Scan# 97

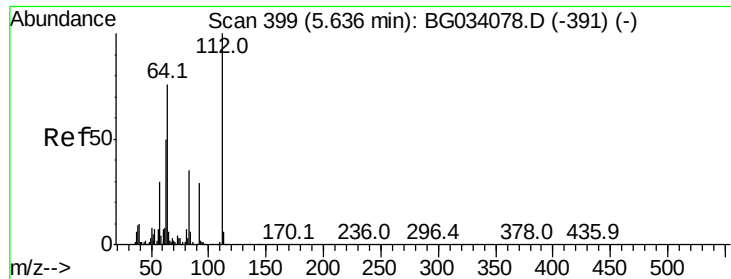
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	42	Resp:	52702
Ion Ratio	Lower	Upper	
42	100		
74	96.2	102.5	153.7#
44	4.8	18.9	28.3#





#5

2-Fluorophenol

Concen: 123.962 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

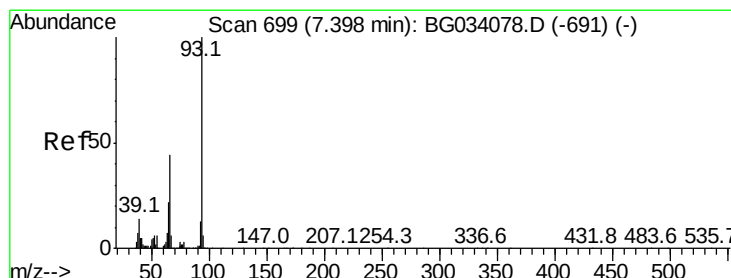
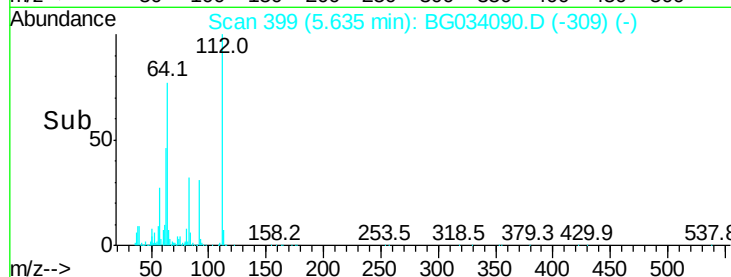
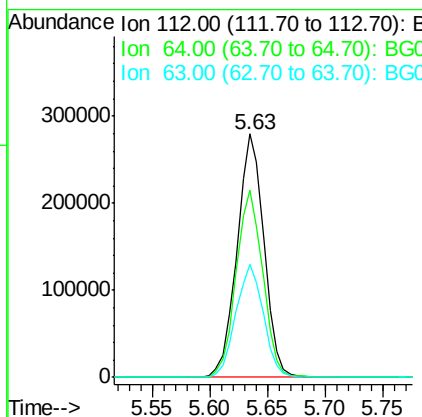
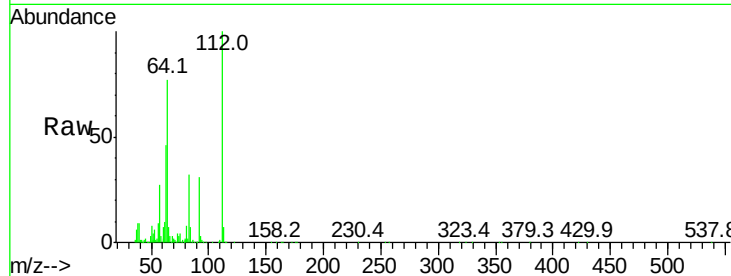
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	112	Resp:	450716
Ion Ratio	Lower	Upper	
112	100		
64	76.9	56.3	84.5
63	46.4	30.1	45.1

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM



#6

Aniline

Concen: 19.545 ng

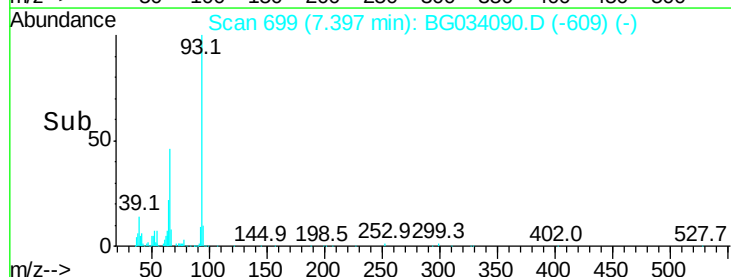
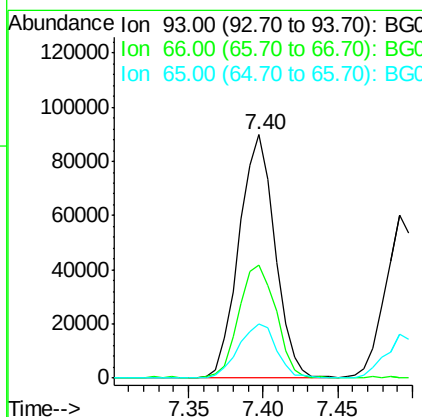
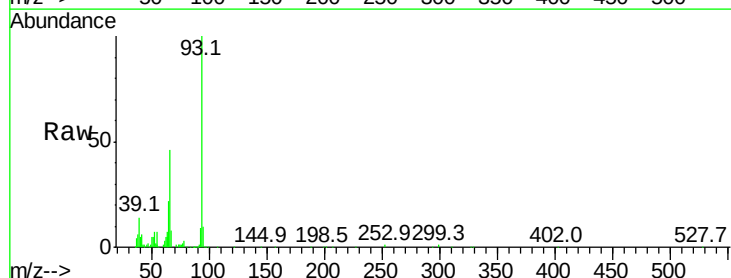
RT: 7.40 min Scan# 699

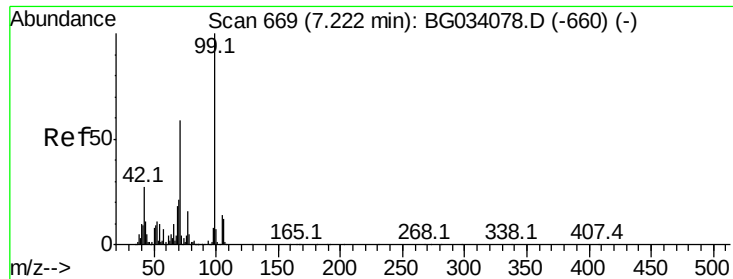
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	93	Resp:	150474
Ion Ratio	Lower	Upper	
93	100		
66	46.4	33.7	50.5
65	22.2	16.1	24.1





#7

Phenol-d6

Concen: 124.881 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

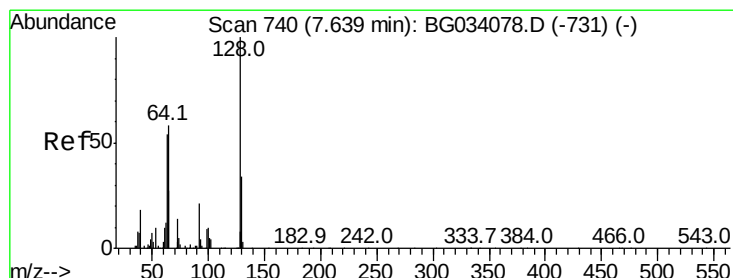
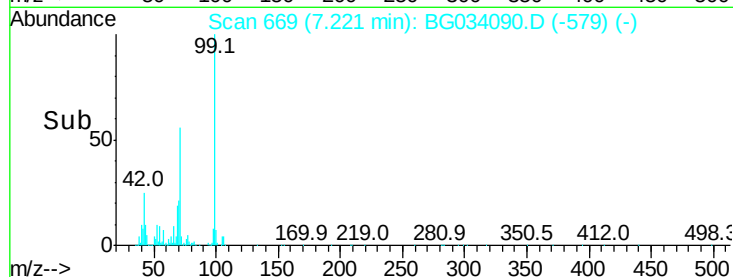
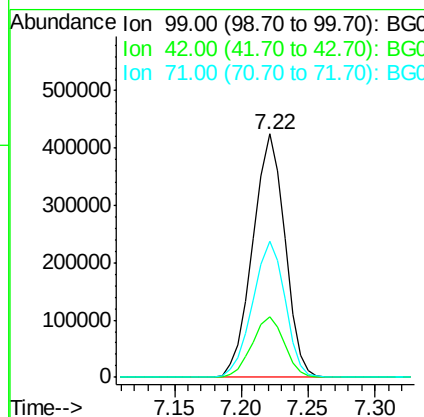
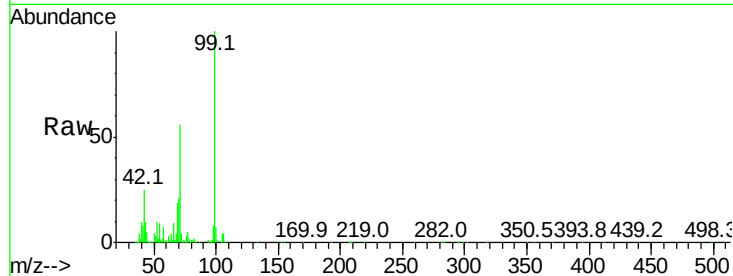
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	99	Resp:	706882
Ion Ratio	Lower	Upper	
99	100		
42	24.8	14.1	21.1#
71	55.6	26.1	39.1#

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM



#8

2-Chlorophenol

Concen: 19.844 ng

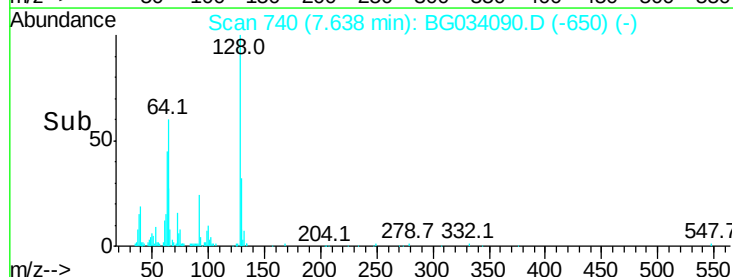
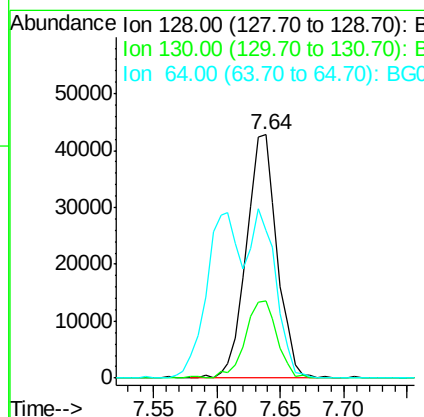
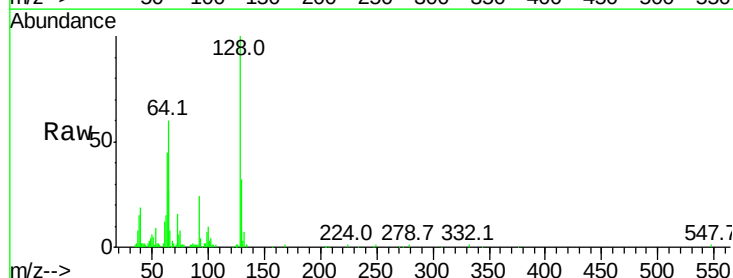
RT: 7.64 min Scan# 740

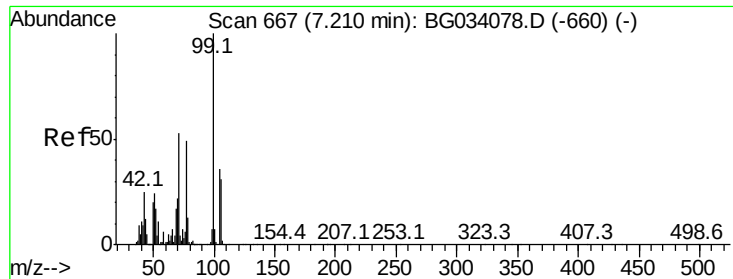
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	128	Resp:	71997
Ion Ratio	Lower	Upper	
128	100		
130	31.9	14.0	54.0
64	60.4	37.7	77.7





#9

Benzaldehyde

Concen: 15.820 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion: 77 Resp: 61074

Ion Ratio Lower Upper

77 100

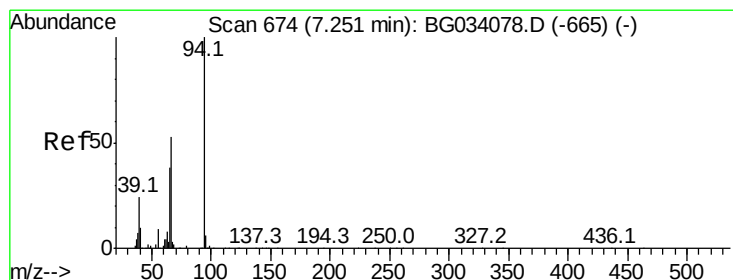
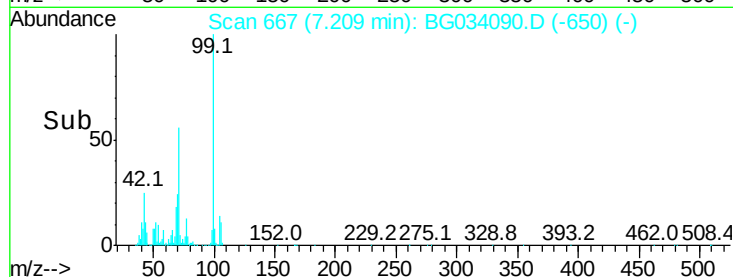
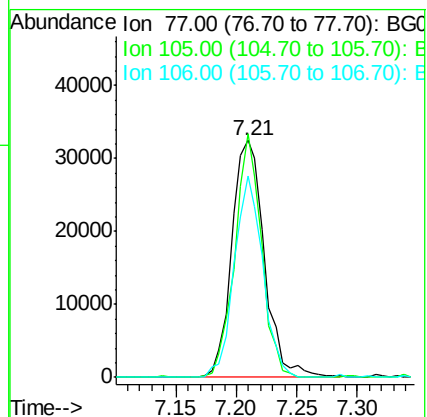
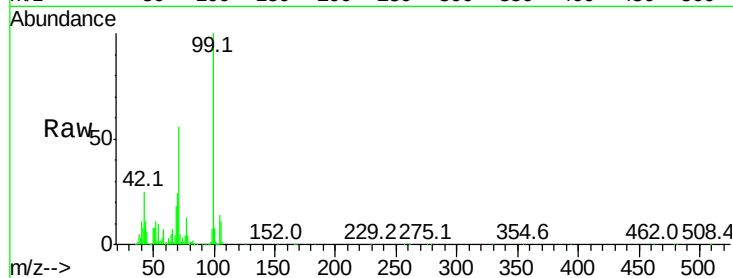
105 102.9 71.3 111.3

106 85.2 64.2 104.2

Manual Integrations
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Sohil

5/2/2018 4:50:46 PM



#10

Phenol

Concen: 20.046 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

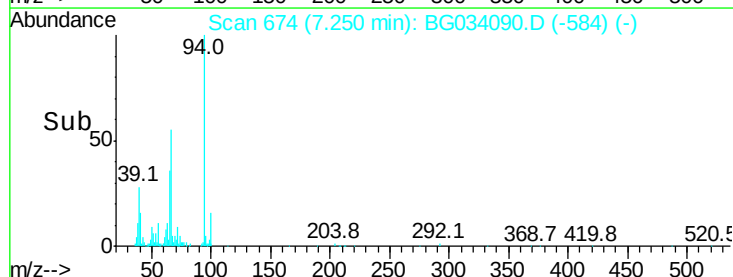
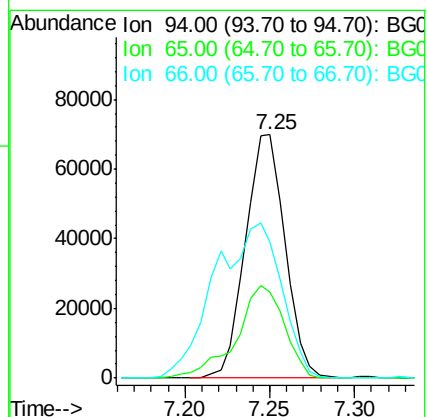
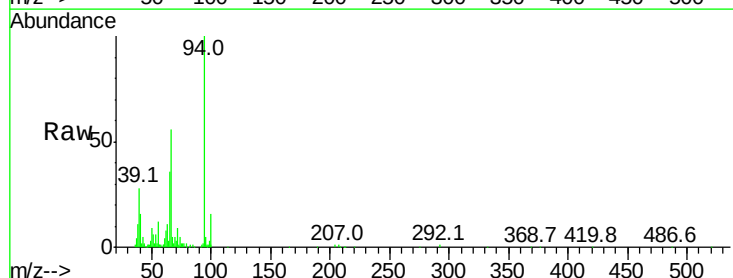
Tgt Ion: 94 Resp: 114444

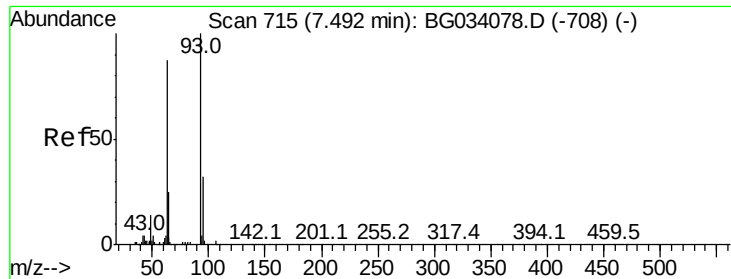
Ion Ratio Lower Upper

94 100

65 35.6 11.9 51.9

66 55.7 22.2 62.2





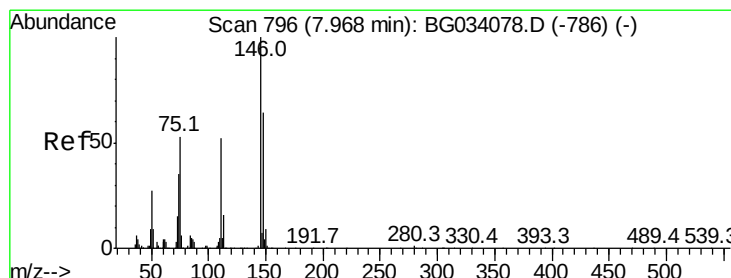
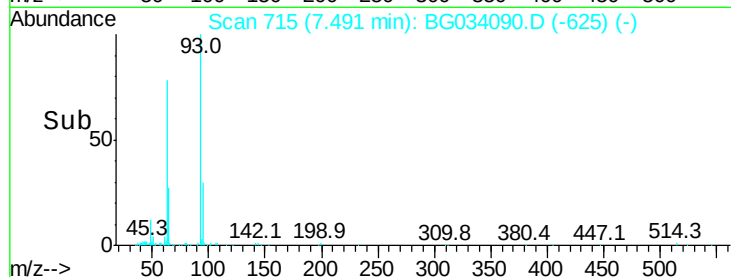
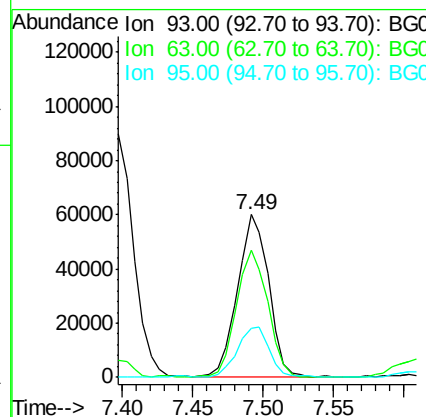
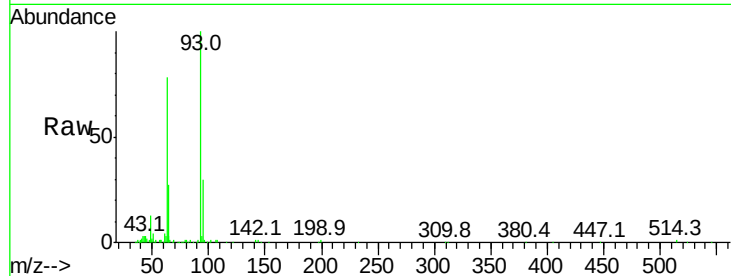
#11
bis(2-Chloroethyl)ether
Concen: 20.622 ng
RT: 7.49 min Scan# 715
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.1	67.1	107.1
95	30.1	11.5	51.5

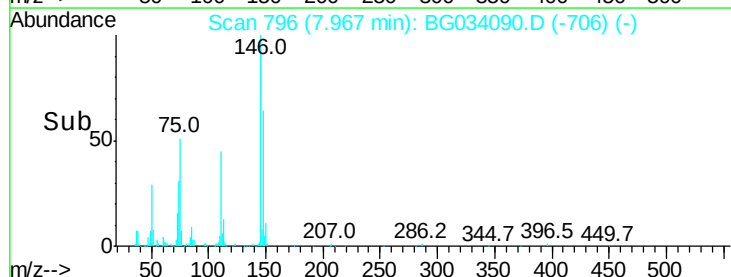
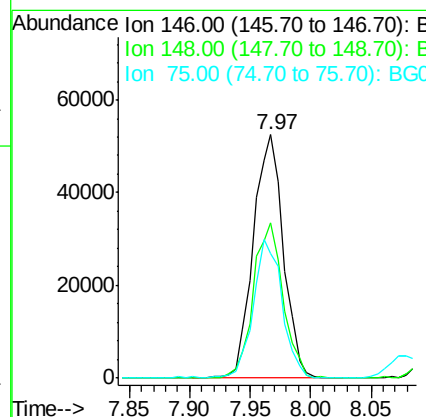
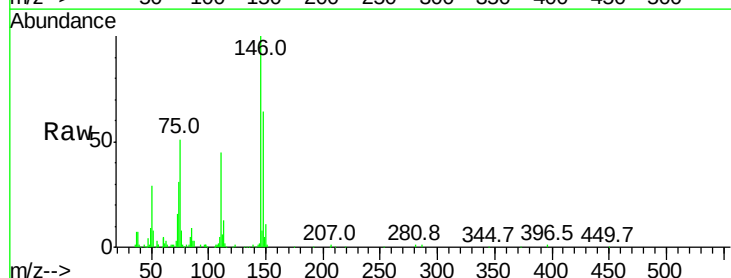
Manual Integrations
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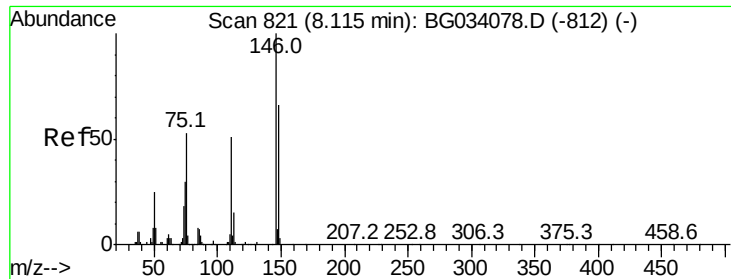
Sohil
5/2/2018 4:50:46 PM



#12
1,3-Dichlorobenzene
Concen: 19.801 ng
RT: 7.97 min Scan# 796
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	51.0	26.6	39.8





#13

1,4-Dichlorobenzene

Concen: 19.772 ng m

RT: 8.11 min Scan# 821

Delta R.T. -0.00 min

Lab File: BG034090.D

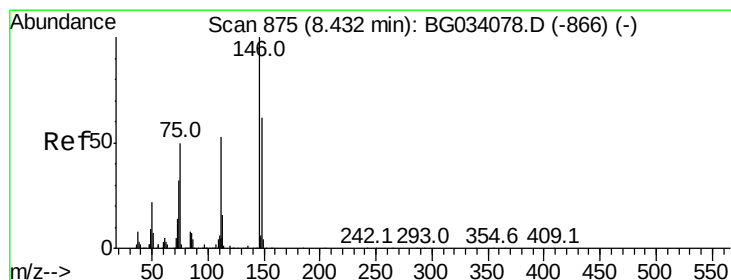
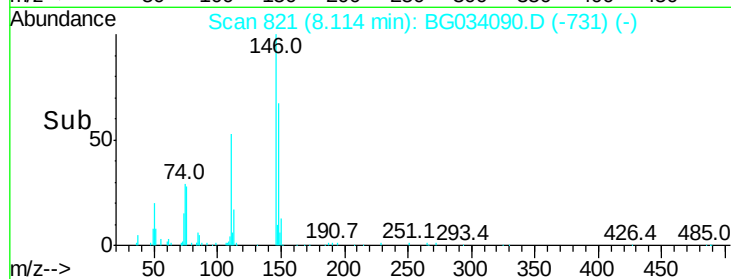
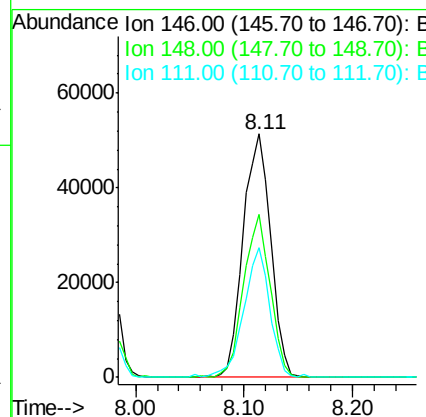
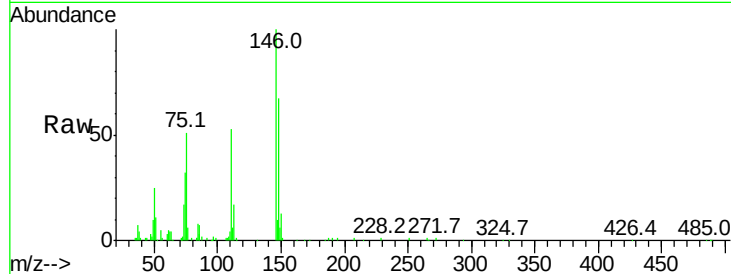
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	67.0	53.7	80.5
111	53.0	35.2	52.8

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM



#14

1,2-Dichlorobenzene

Concen: 19.735 ng

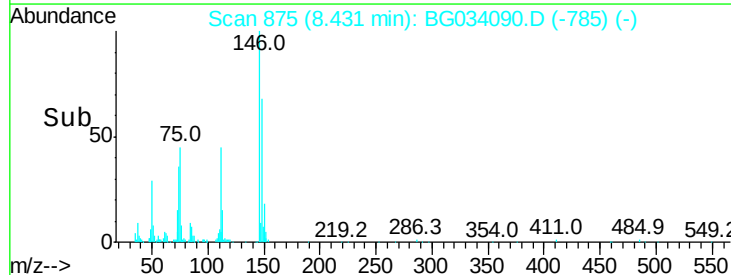
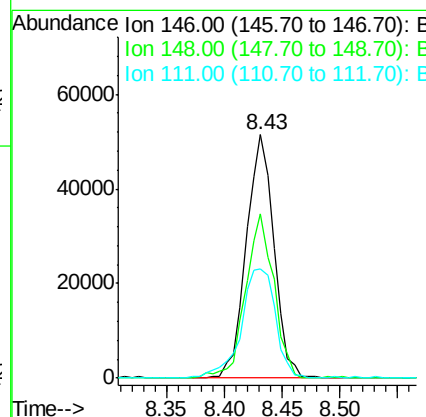
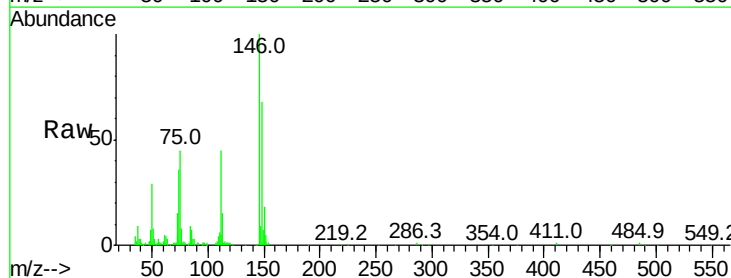
RT: 8.43 min Scan# 875

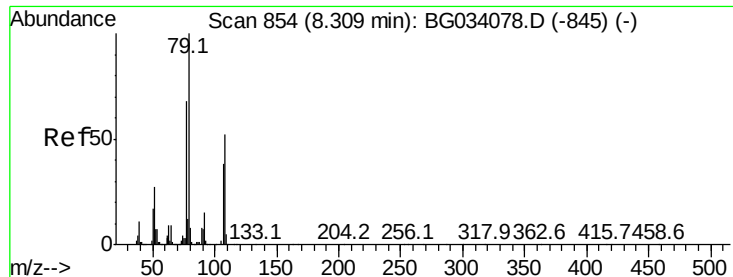
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.5	49.3	73.9
111	44.8	34.3	51.5





#15

Benzyl Alcohol

Concen: 20.059 ng

RT: 8.31 min Scan# 854

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

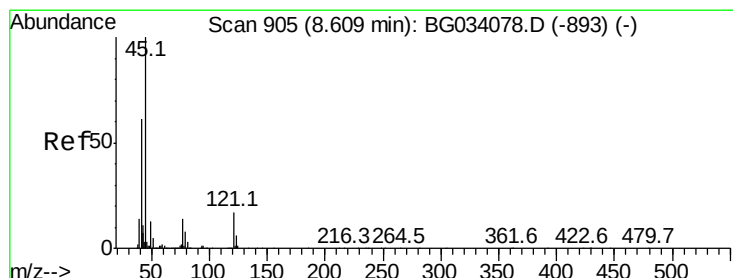
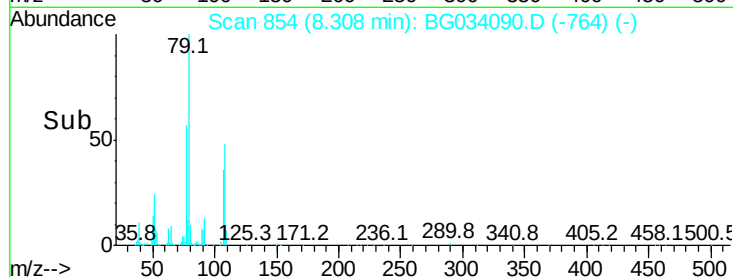
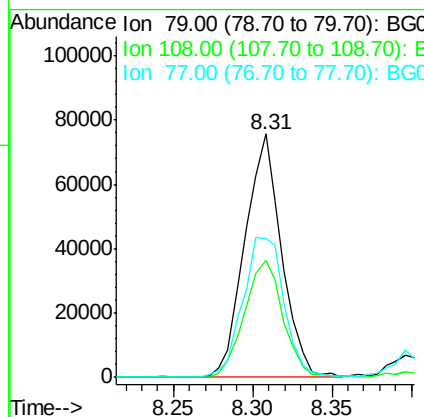
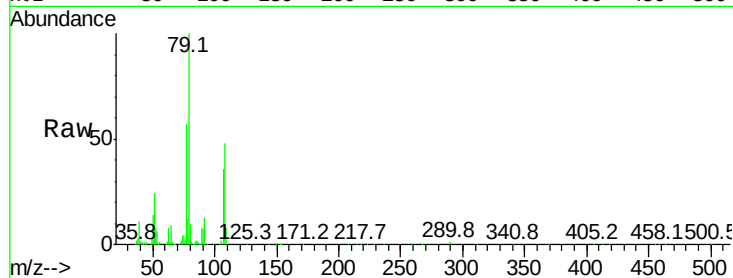
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	79	Resp:	121124
Ion Ratio	Lower	Upper	
79	100		
108	48.0	57.2	85.8#
77	56.7	46.1	69.1

Manual Integrations
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Sohil
5/2/2018 4:50:46 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 19.471 ng

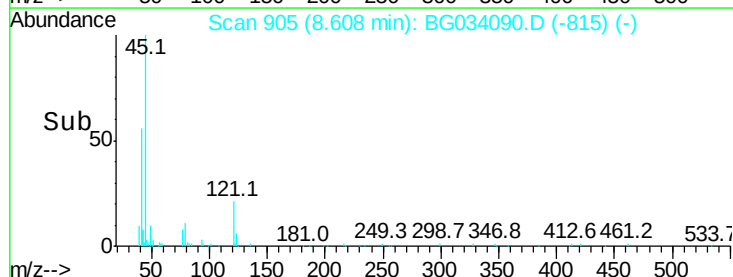
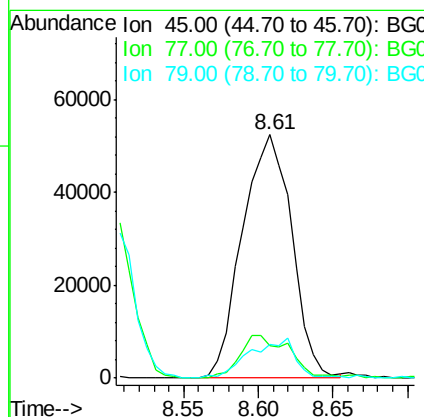
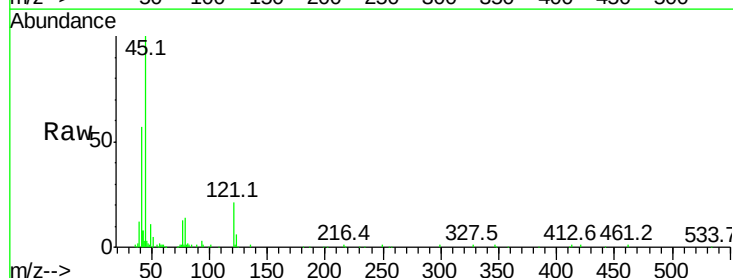
RT: 8.61 min Scan# 905

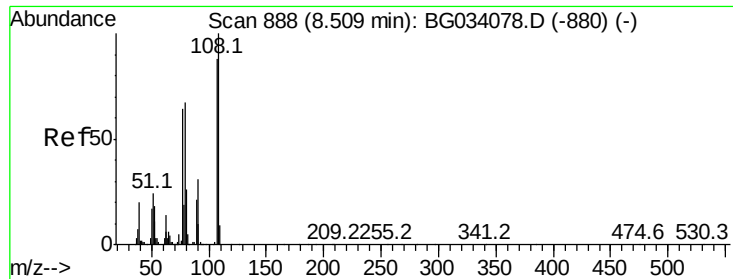
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	45	Resp:	120407
Ion Ratio	Lower	Upper	
45	100		
77	13.2	0.0	30.2
79	13.7	0.0	27.9





#17

2-Methylphenol

Concen: 20.123 ng

RT: 8.51 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

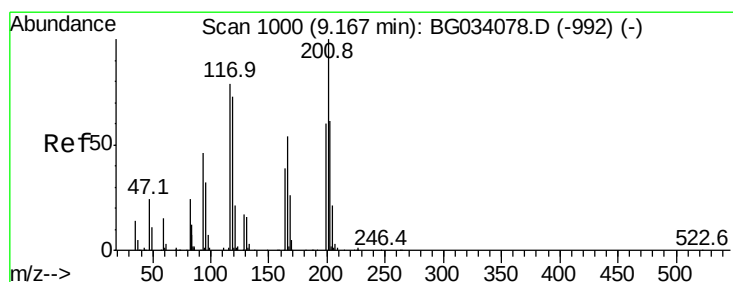
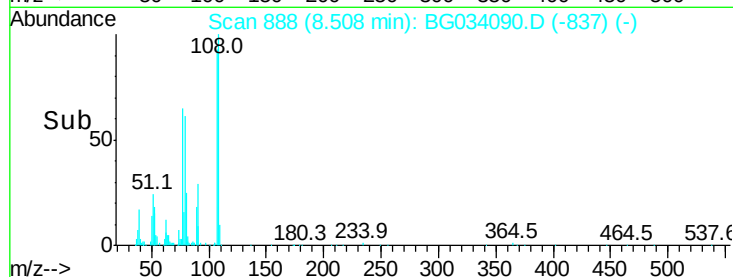
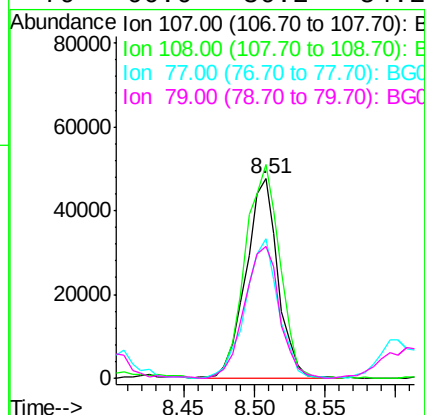
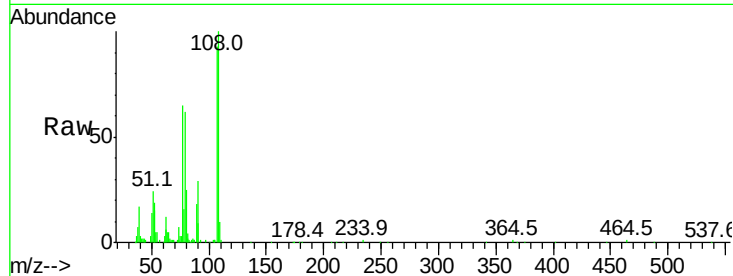
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.3	83.9	125.9	
77	70.2	37.2	55.8#	
79	66.0	36.2	54.2#	

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#18

Hexachloroethane

Concen: 17.510 ng

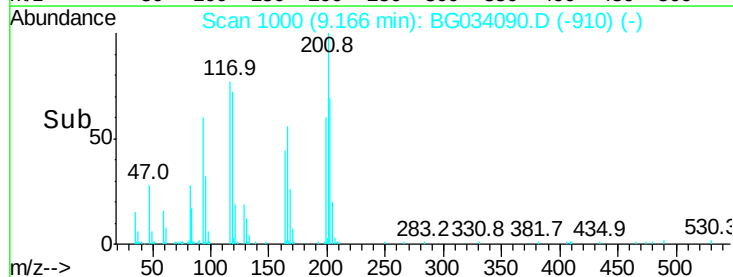
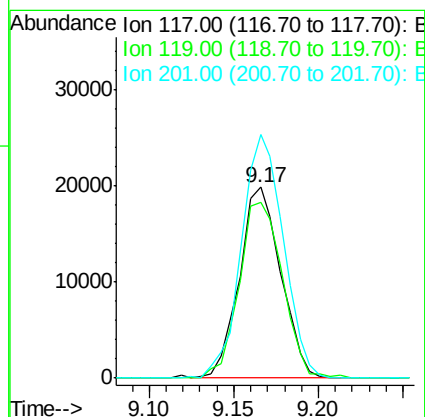
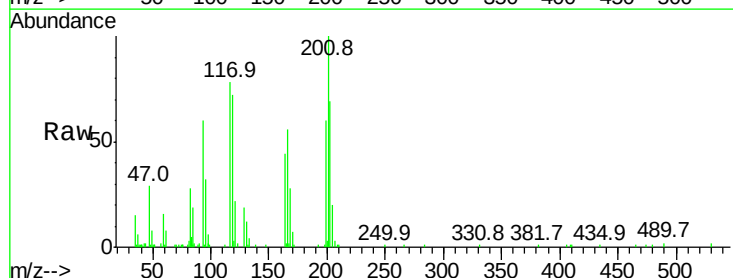
RT: 9.17 min Scan# 1000

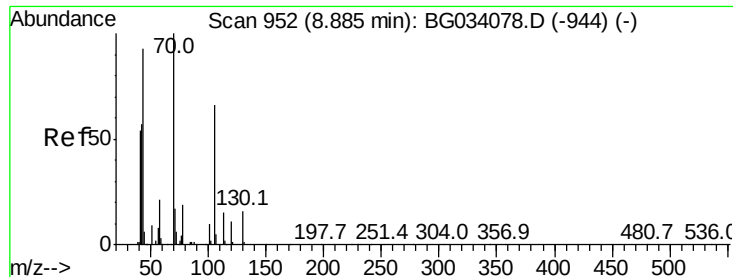
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.9	76.7	115.1	
201	127.4	95.7	143.5	





#19

n-Nitroso-di-n-propylamine

Concen: 19.787 ng

RT: 8.88 min Scan# 951

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

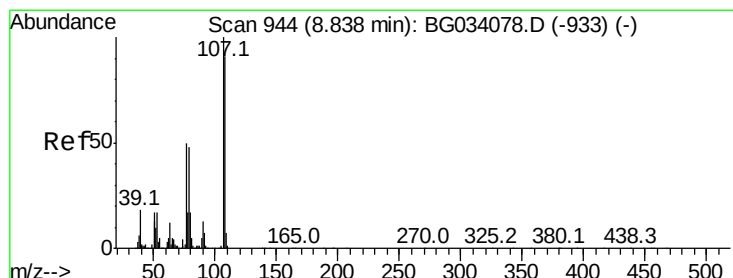
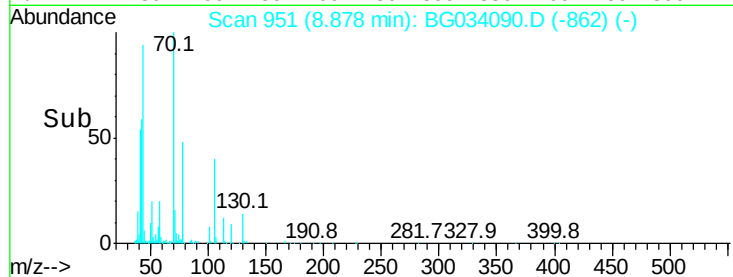
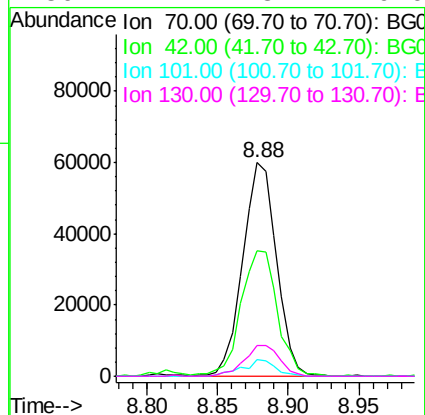
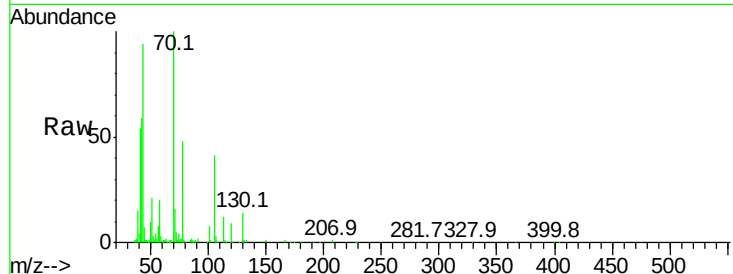
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.8	49.1	73.7
101	7.9	8.5	12.7
130	14.1	13.4	20.0

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#20

3+4-Methylphenols

Concen: 19.305 ng

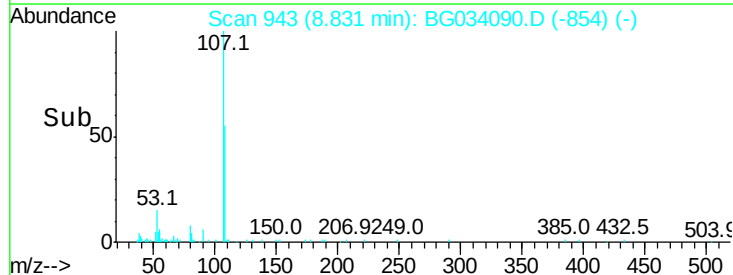
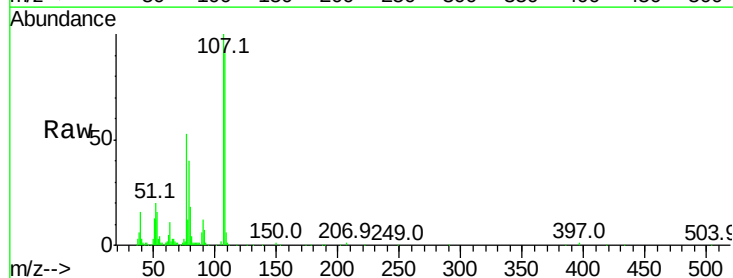
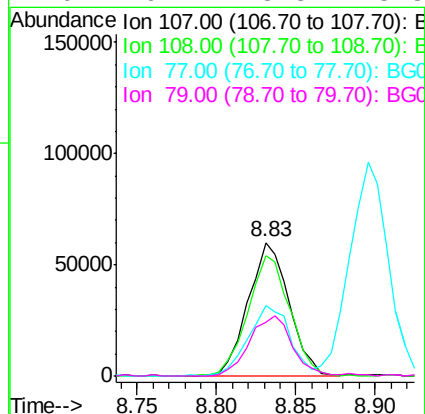
RT: 8.83 min Scan# 943

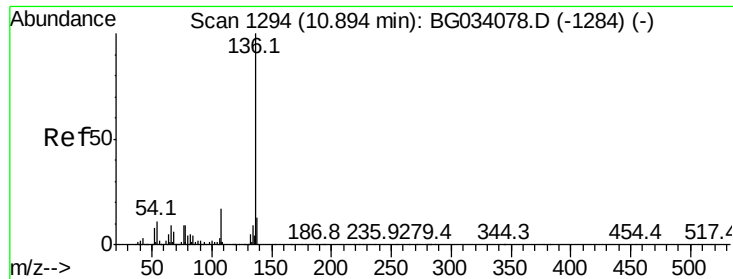
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.8	61.6	101.6
77	52.7	13.9	53.9
79	40.2	8.8	48.8





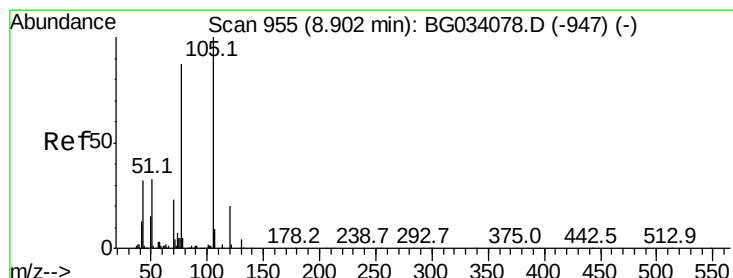
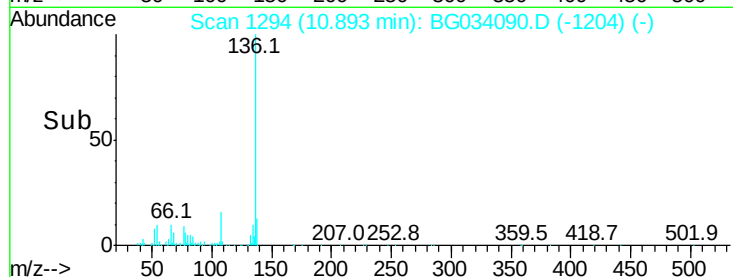
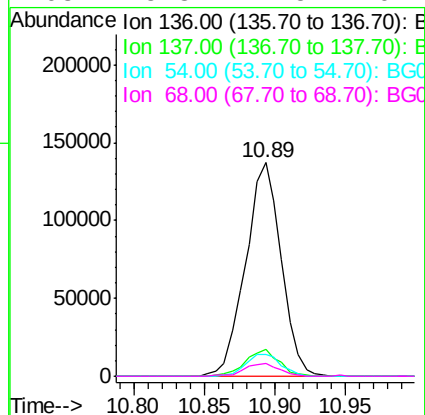
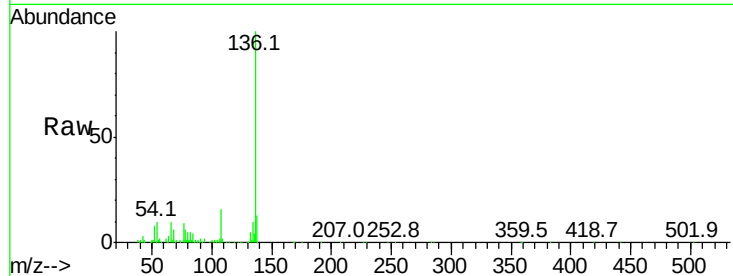
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100	242289		
137	12.5		9.2	13.8
54	10.3		10.3	15.5
68	5.8		4.5	6.7

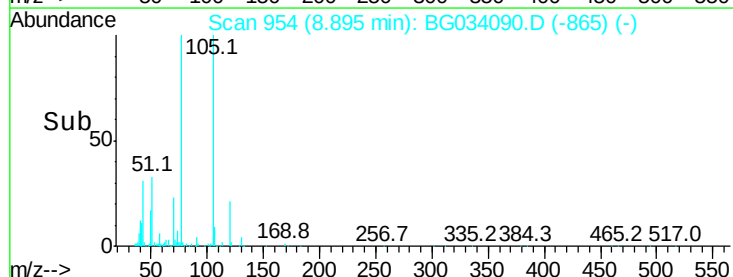
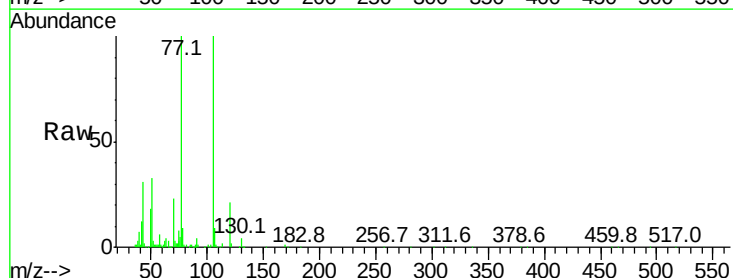
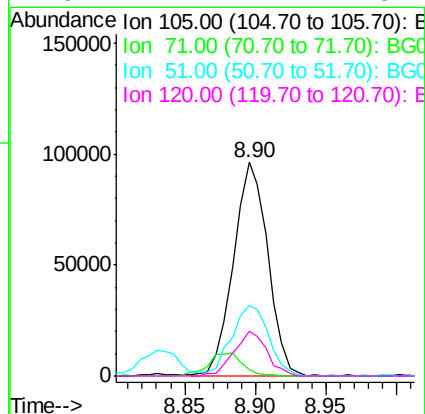
Manual Integrations
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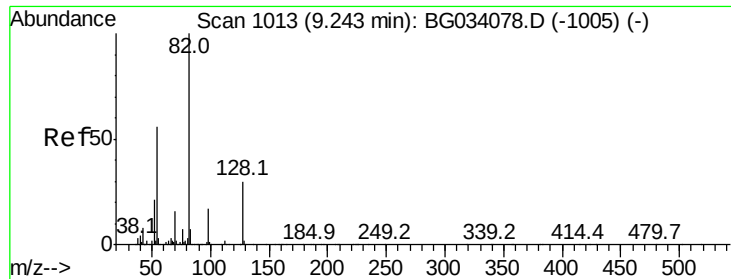
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#22
Acetophenone
Concen: 19.788 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163310		
71	3.2		3.0	4.4
51	33.2		26.1	39.1
120	21.1		17.4	26.2





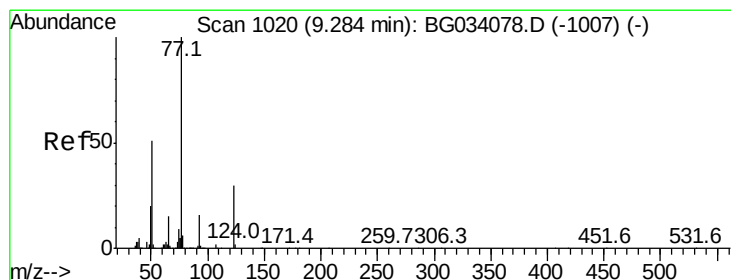
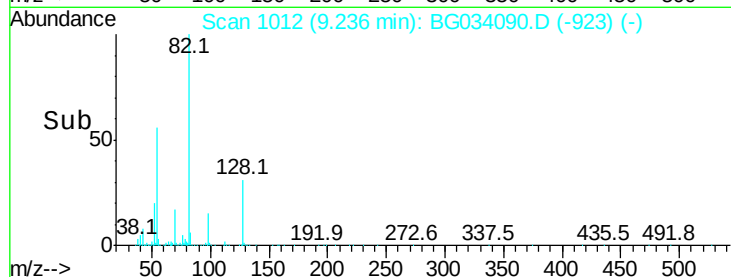
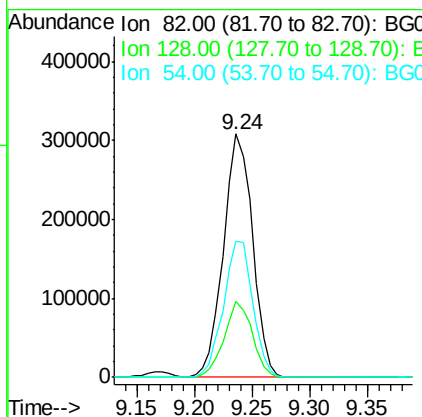
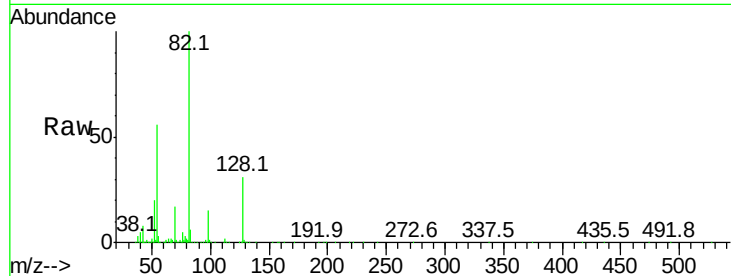
#23
Nitrobenzene-d5
Concen: 85.528 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	31.1	29.7	44.5
54	56.0	43.1	64.7

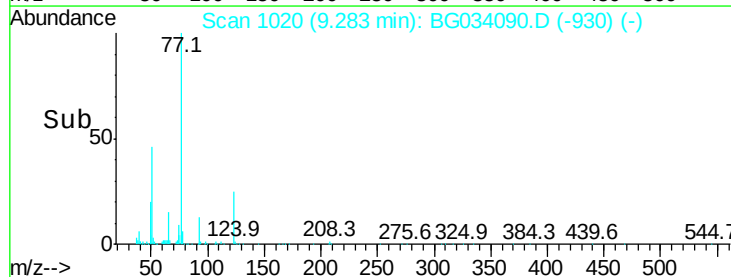
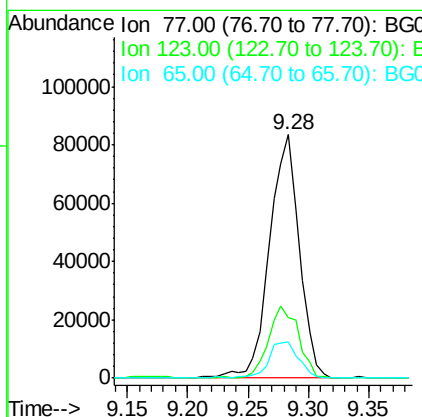
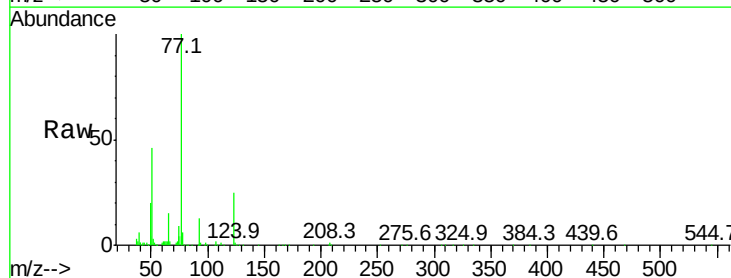
Manual Integrations
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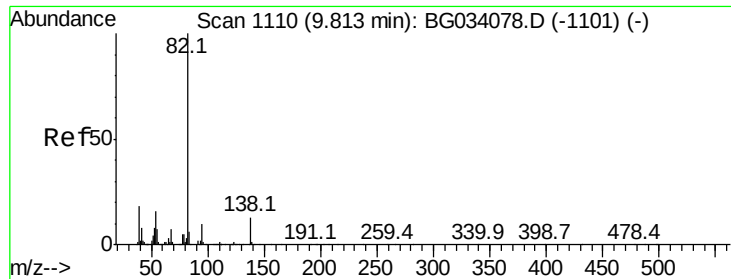
Sohil
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#24
Nitrobenzene
Concen: 20.459 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	24.8	33.0	49.6#
65	15.0	13.0	19.6





#25

Isophorone

Concen: 19.743 ng

RT: 9.80 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

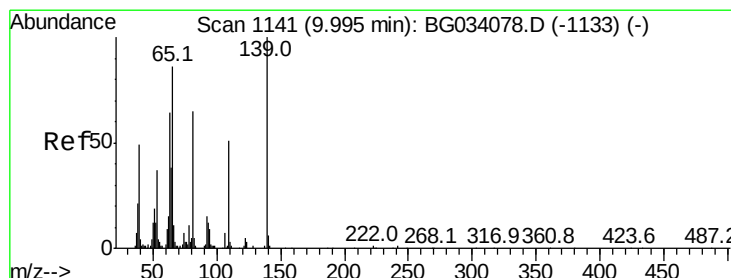
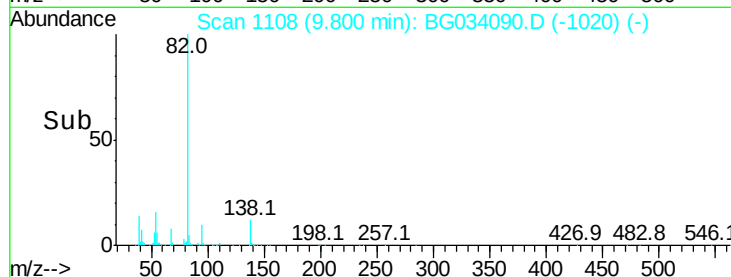
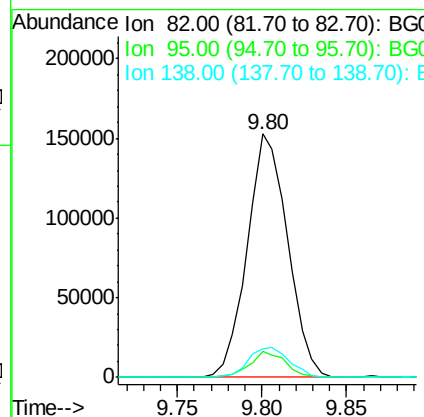
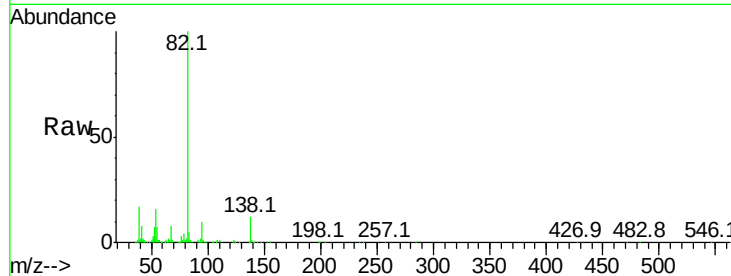
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	82	Resp:	254331
Ion Ratio	Lower	Upper	
82	100		
95	10.4	6.2	9.2#
138	11.7	12.1	18.1#

Manual Integrations
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#26

2-Nitrophenol

Concen: 20.196 ng

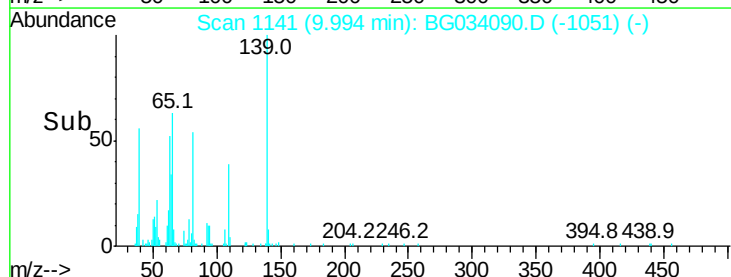
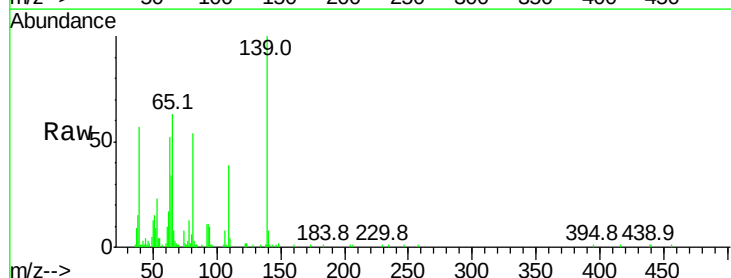
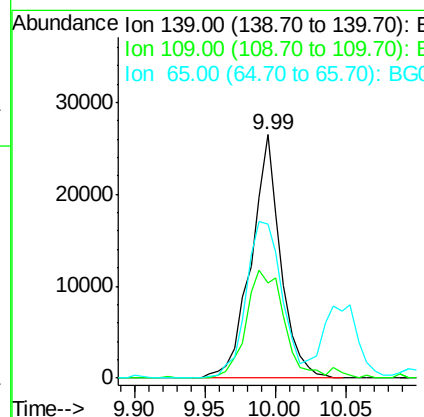
RT: 9.99 min Scan# 1141

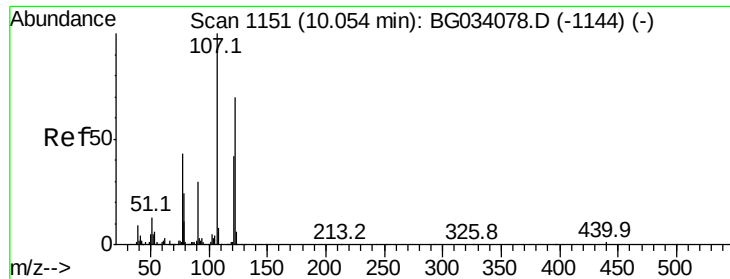
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	139	Resp:	38645
Ion Ratio	Lower	Upper	
139	100		
109	39.1	24.2	36.2#
65	63.4	47.4	71.0#





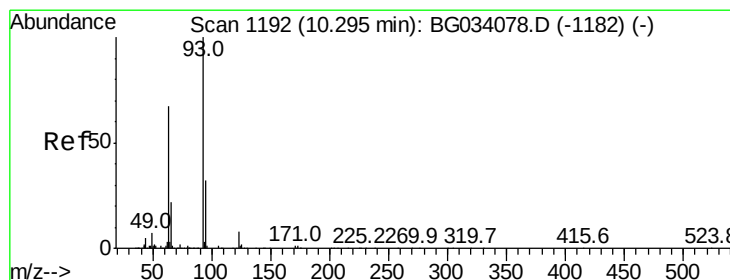
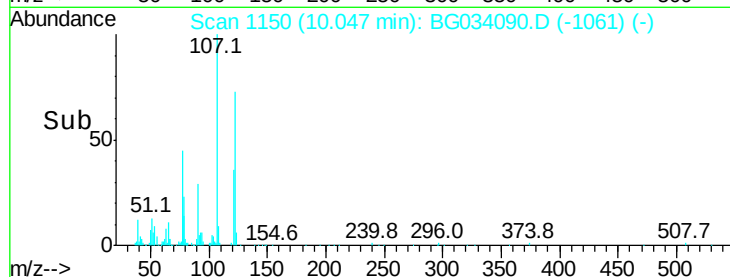
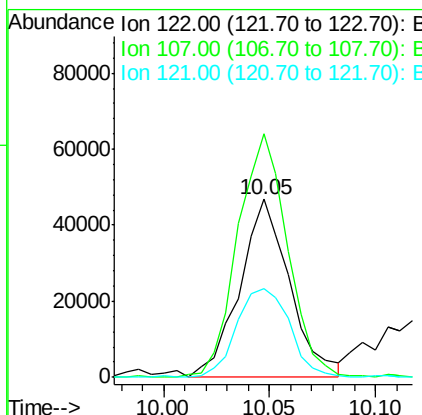
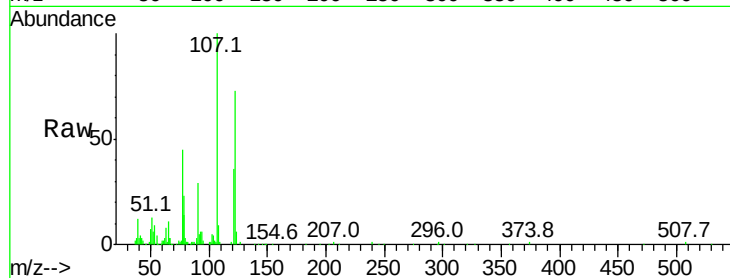
#27
2,4-Dimethylphenol
Concen: 20.794 ng
RT: 10.05 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
122	100		
107	136.9	100.2	150.2
121	49.9	44.4	66.6

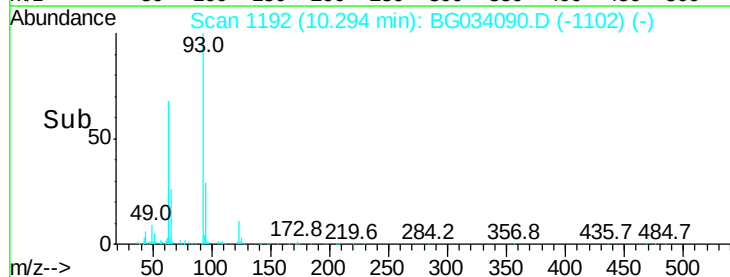
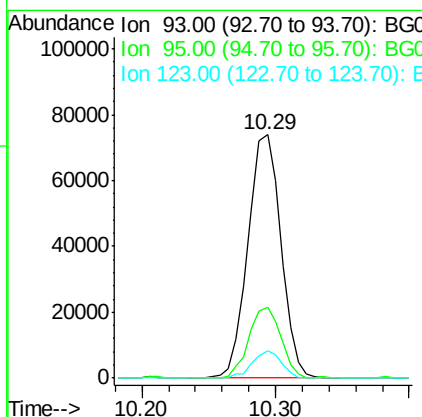
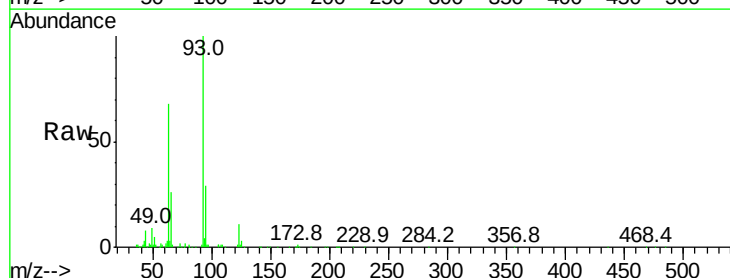
Manual Integrations
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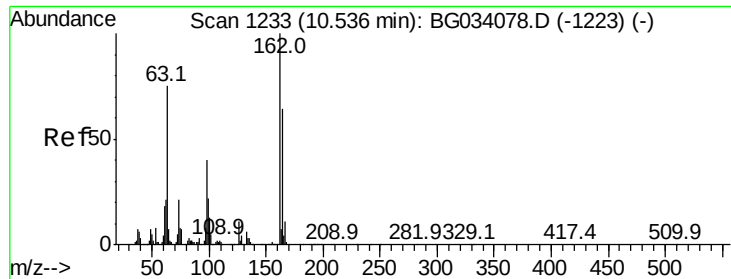
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#28
bis(2-Chloroethoxy)methane
Concen: 19.928 ng
RT: 10.29 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	28.9	24.3	36.5
123	11.1	8.4	12.6





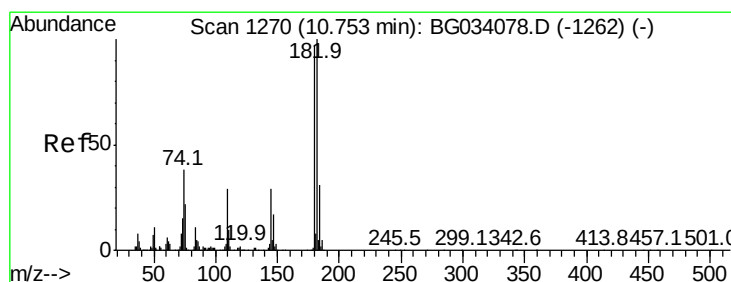
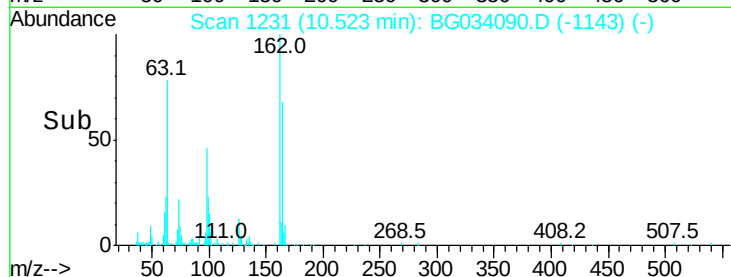
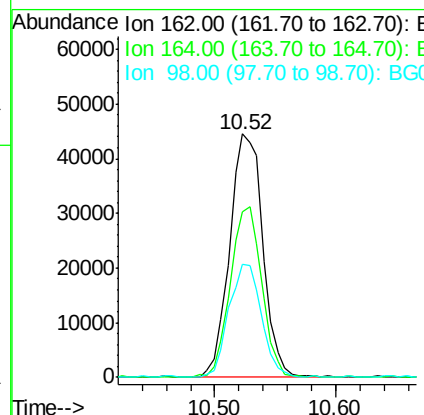
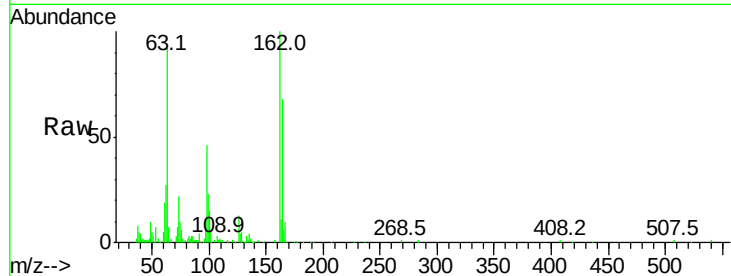
#29
2,4-Dichlorophenol
Concen: 19.104 ng
RT: 10.52 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.2	48.0	88.0
98	46.4	21.1	61.1

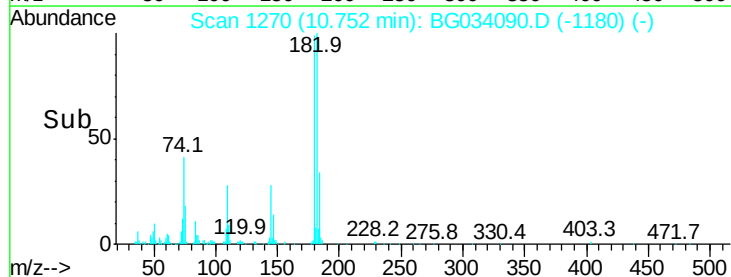
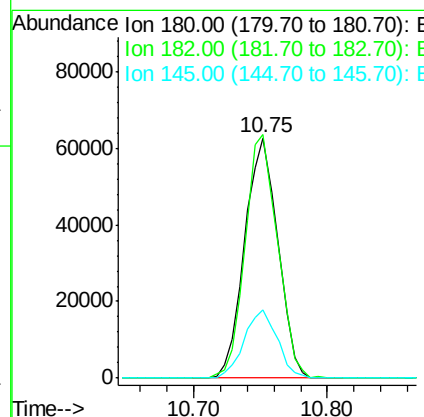
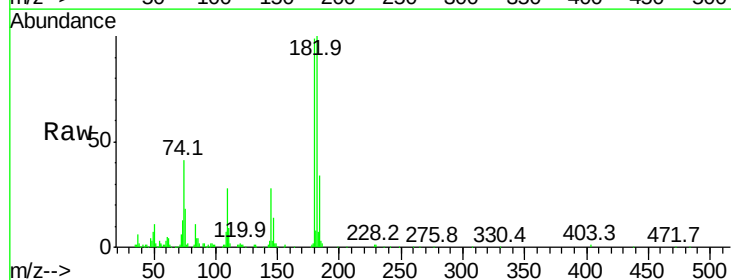
Manual Integrations
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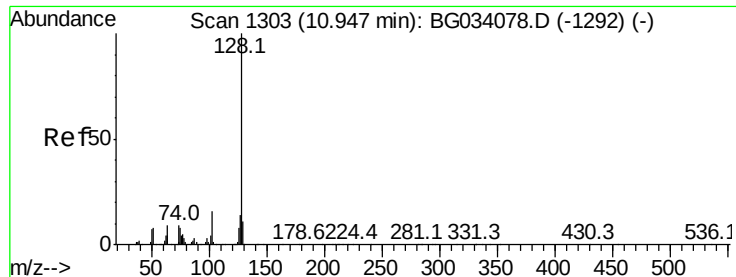
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#30
1,2,4-Trichlorobenzene
Concen: 20.126 ng
RT: 10.75 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	77.5	116.3
145	28.6	23.4	35.2





#31

Naphthalene

Concen: 20.469 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

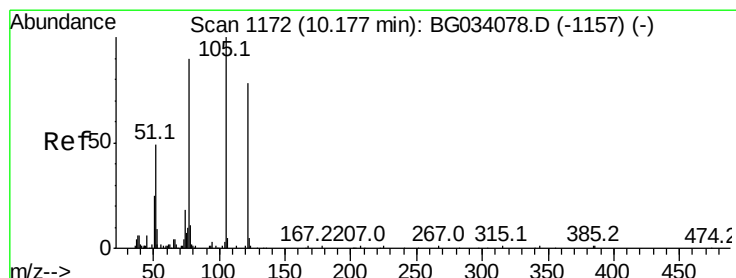
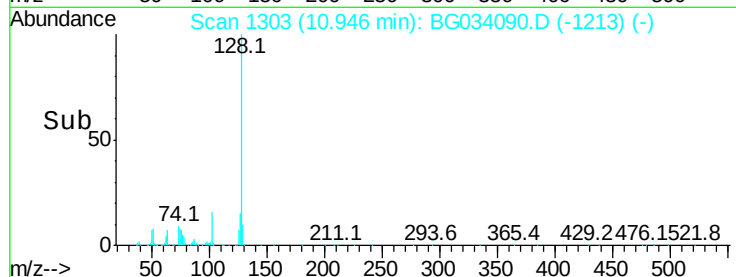
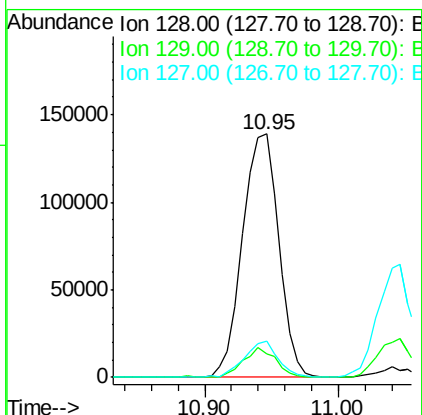
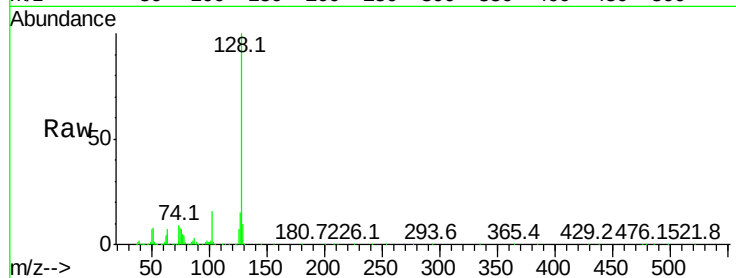
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	128	Resp:	260680
Ion Ratio	Lower	Upper	
128	100		
129	9.9	8.6	12.8
127	15.0	11.6	17.4

Manual Integrations
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#32

Benzoic acid

Concen: 20.487 ng

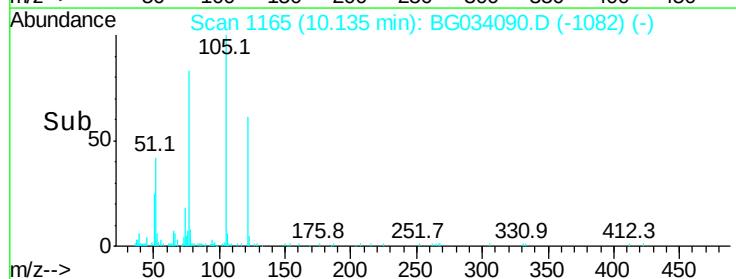
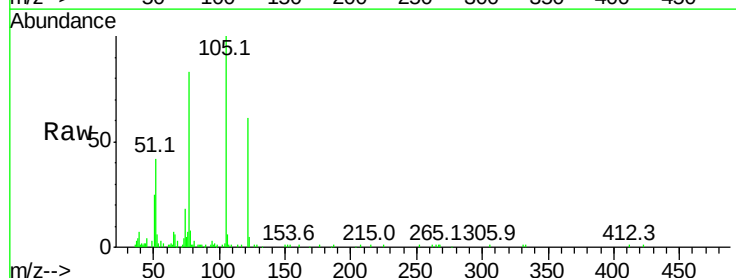
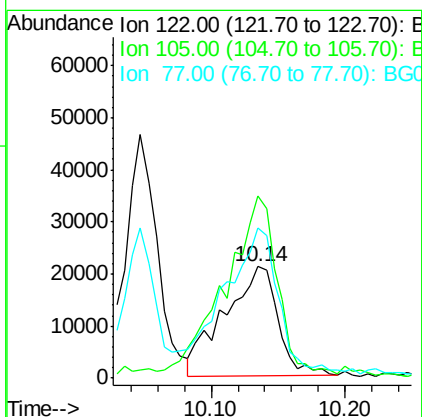
RT: 10.14 min Scan# 1165

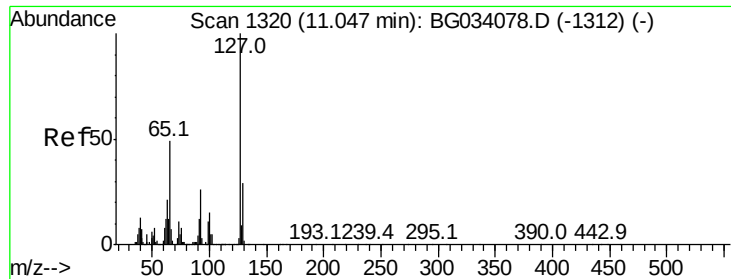
Delta R.T. -0.04 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	122	Resp:	57774
Ion Ratio	Lower	Upper	
122	100		
105	162.8	123.5	163.5
77	134.6	85.7	125.7#





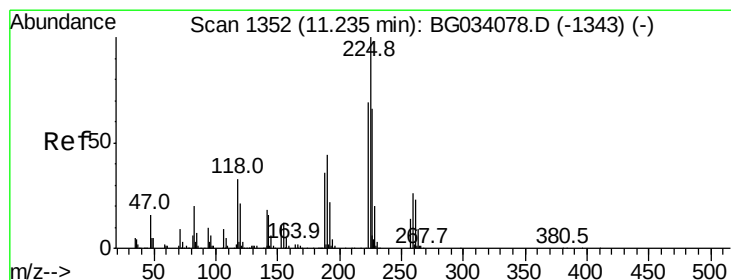
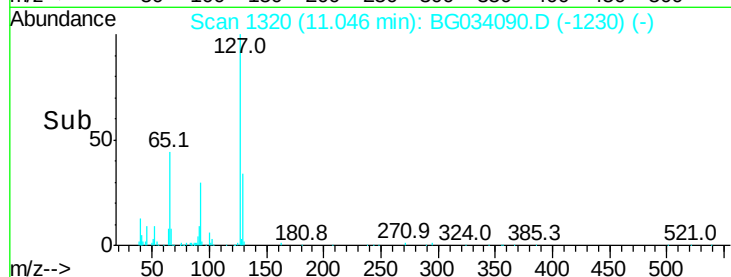
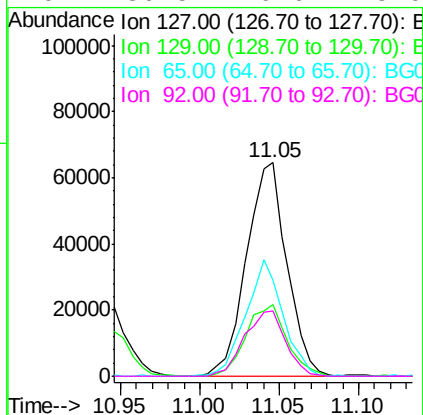
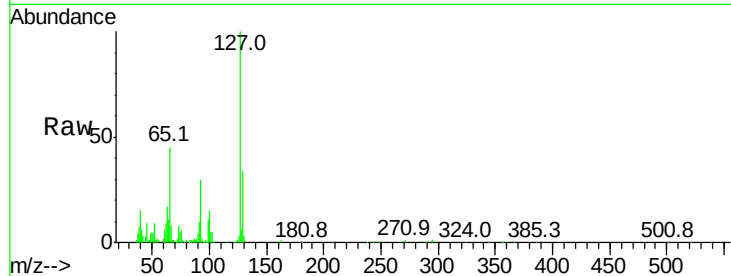
#33
4-Chloroaniline
Concen: 19.935 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.8	24.0	36.0
65	44.8	27.0	40.4
92	30.5	16.6	25.0

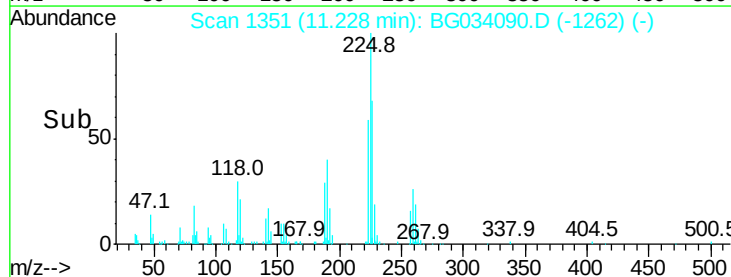
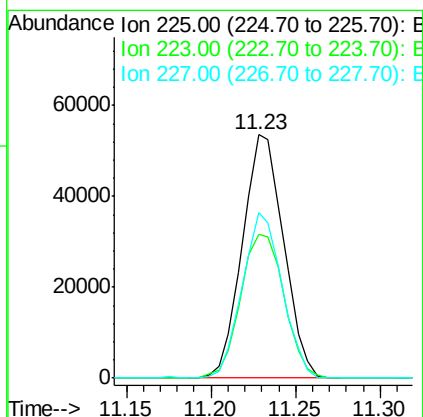
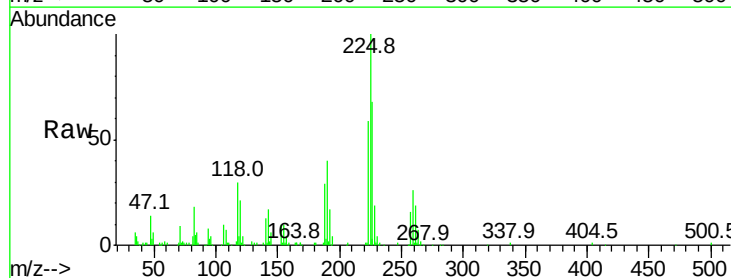
Manual Integrations
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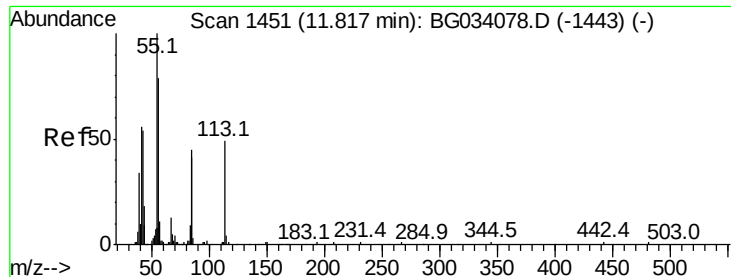
Sohil
5/2/2018 4:50:46 PM



#34
Hexachlorobutadiene
Concen: 20.169 ng
RT: 11.23 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	49.7	74.5
227	68.1	48.1	72.1





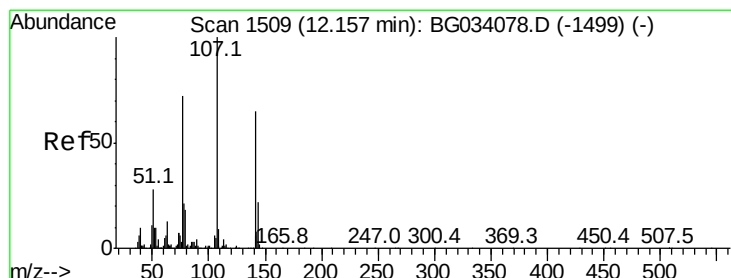
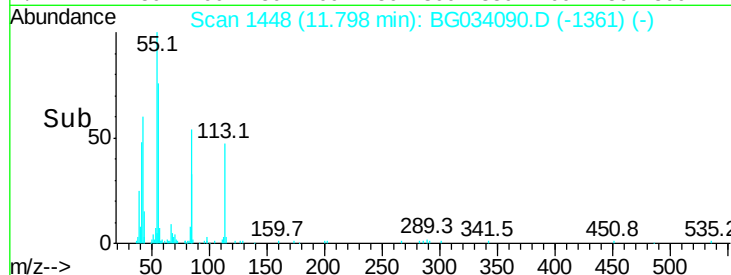
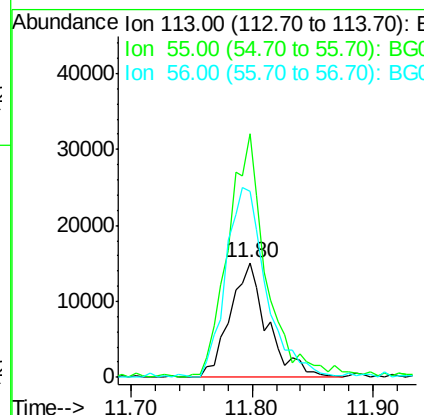
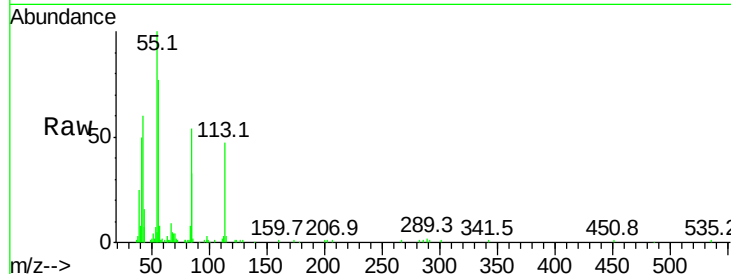
#35
 Caprolactam
 Concen: 20.628 ng
 RT: 11.80 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	212.7	186.9	226.9
56	162.9	130.9	170.9

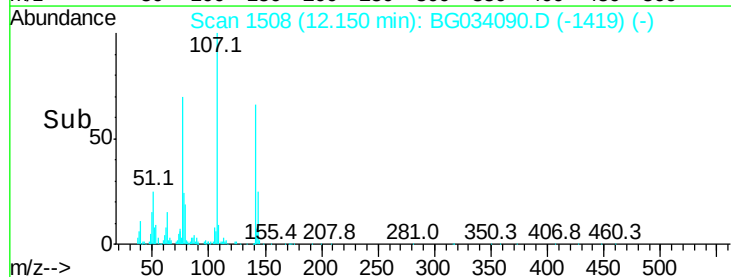
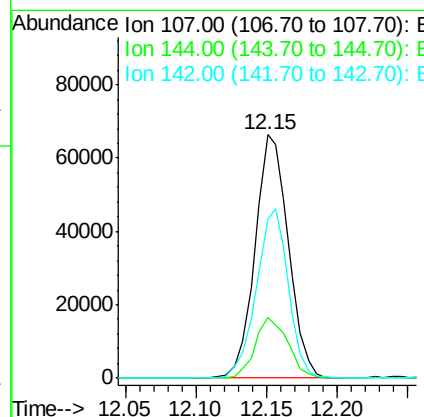
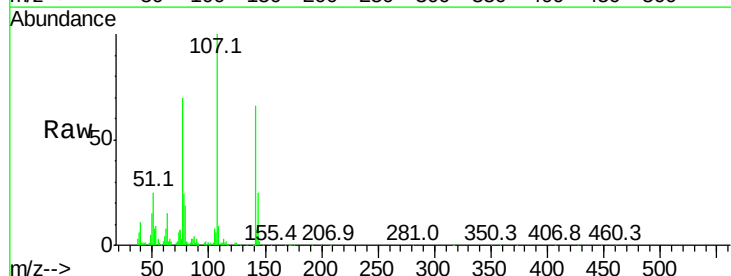
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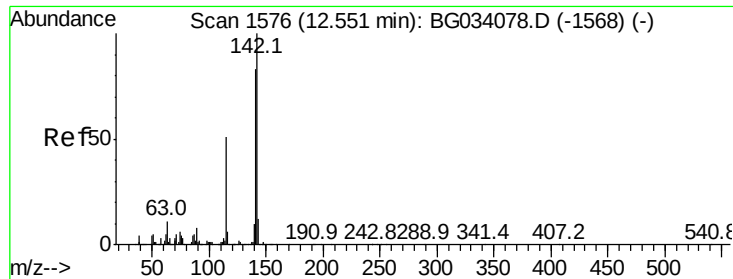
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 19.141 ng
 RT: 12.15 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	18.2	27.4
142	65.6	59.0	88.4





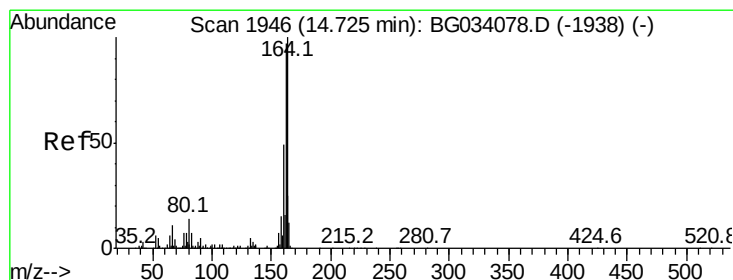
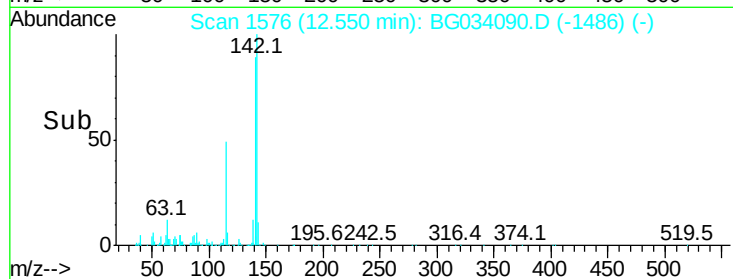
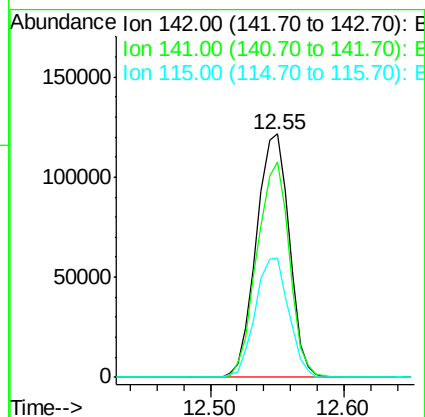
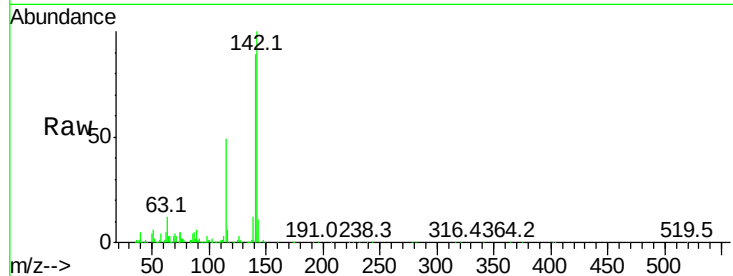
#37
2-Methylnaphthalene
Concen: 20.064 ng
RT: 12.55 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
142	100	207182		
141	88.6	67.1	100.7	
115	49.3	30.7	46.1#	

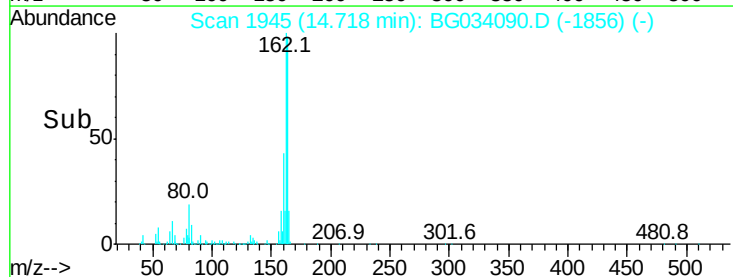
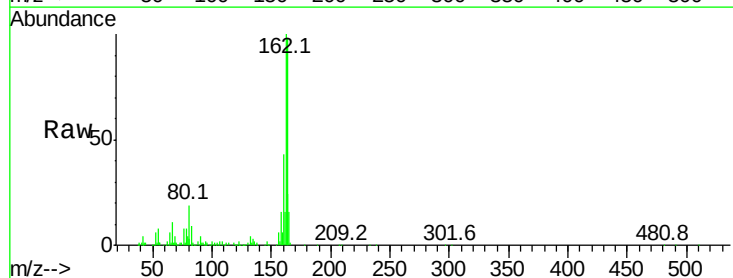
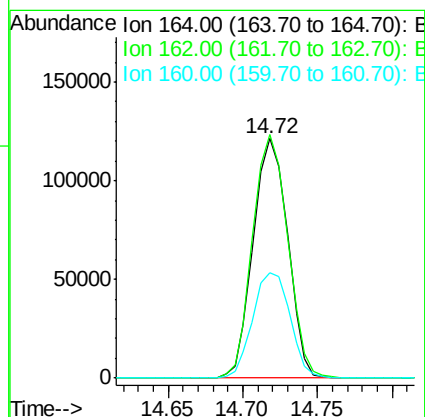
Manual Integrations
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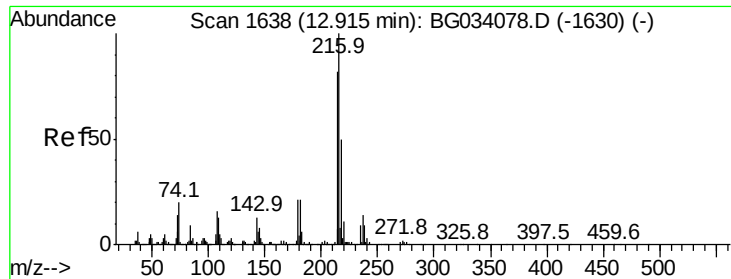
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194039		
162	101.6	78.8	118.2	
160	44.2	35.4	53.0	





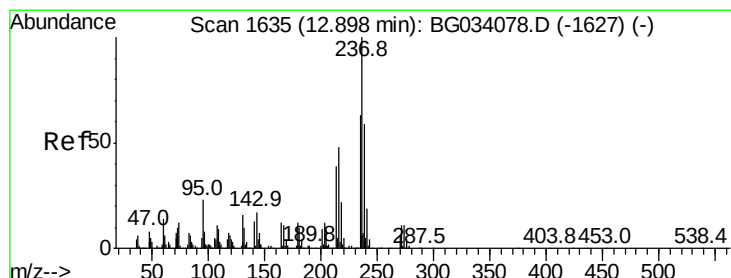
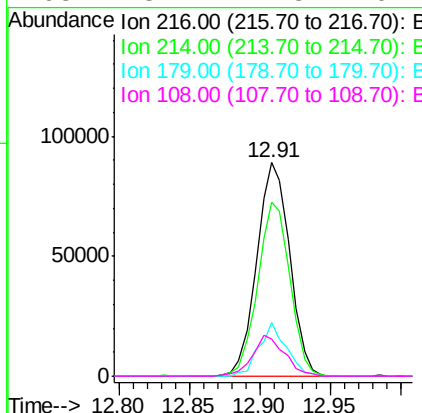
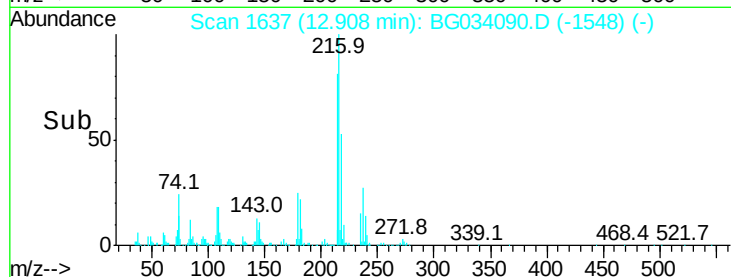
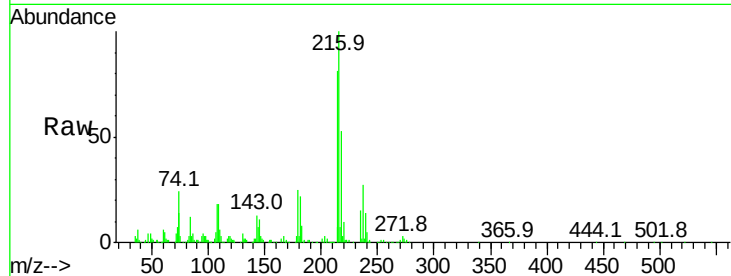
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 19.446 ng
 RT: 12.91 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
216	100	146012		
214	79.8	63.0	94.4	
179	20.8	17.0	25.6	
108	18.7	12.8	19.2	

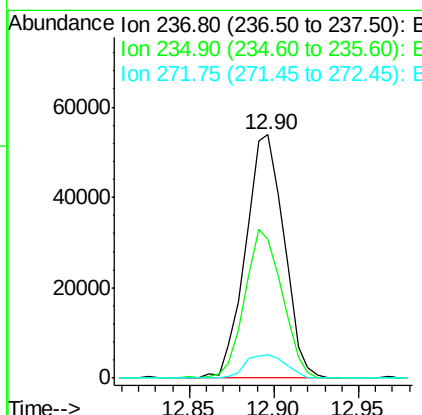
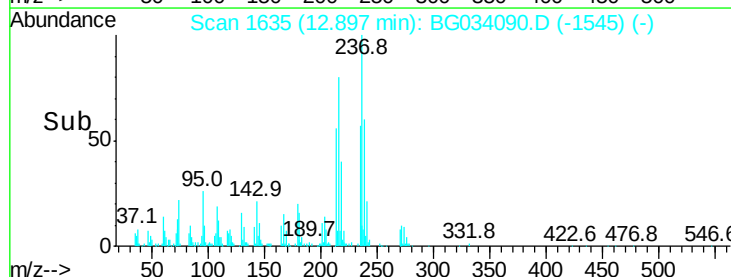
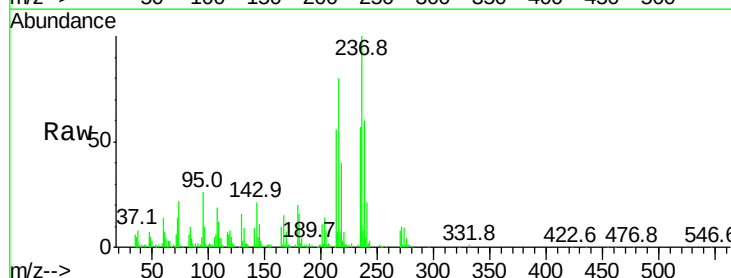
Manual Integrations
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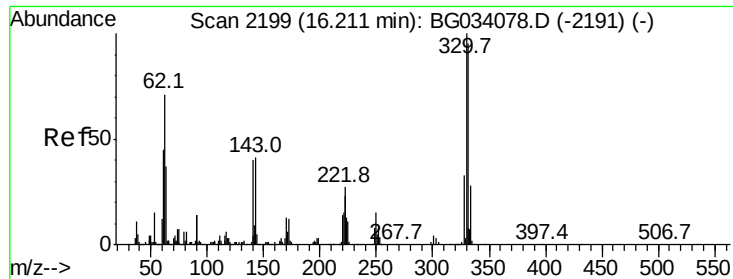
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#40
 Hexachlorocyclopentadiene
 Concen: 19.122 ng
 RT: 12.90 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	85074		
235	56.9	50.4	90.4	
272	9.7	0.0	31.8	





#41

2,4,6-Tribromophenol

Concen: 129.322 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

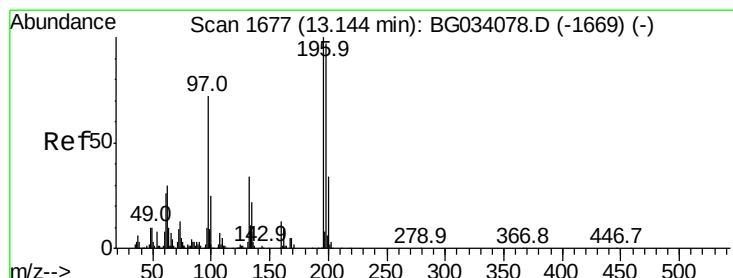
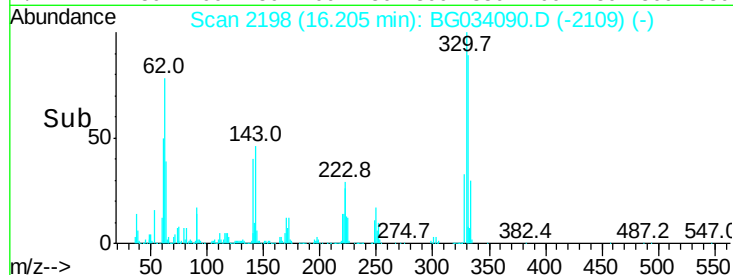
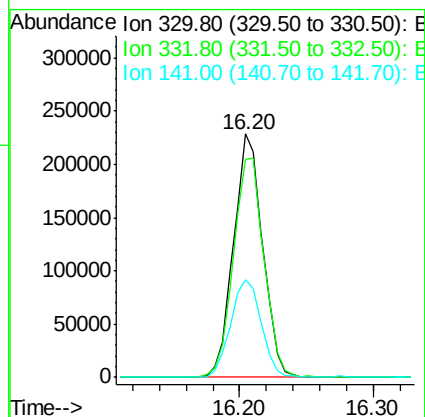
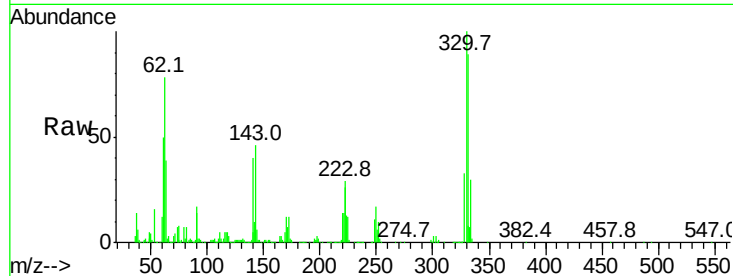
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	42.3	25.2	37.8

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 19.785 ng

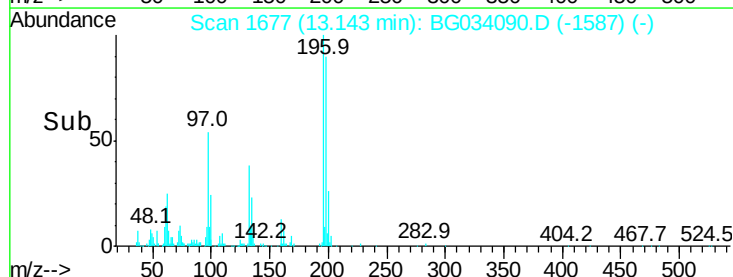
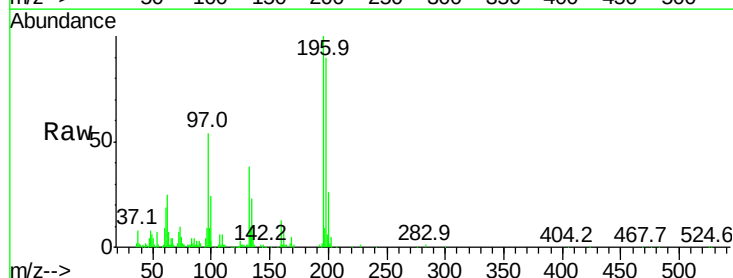
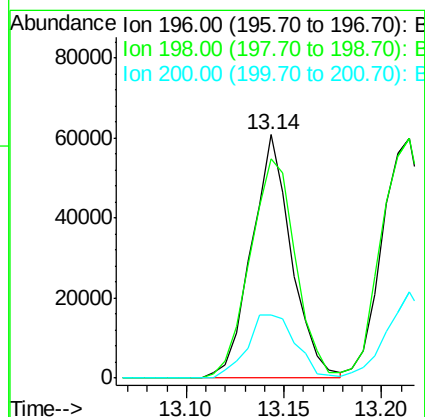
RT: 13.14 min Scan# 1677

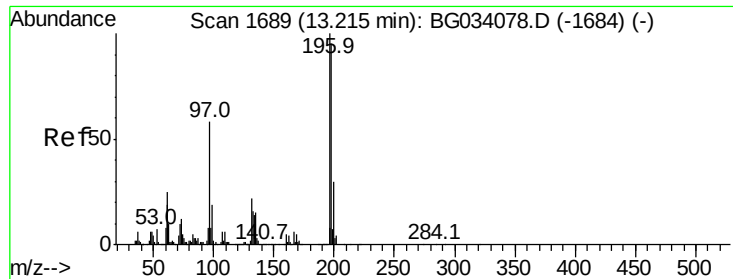
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
196	100		
198	90.1	78.2	117.2
200	25.8	24.6	36.8





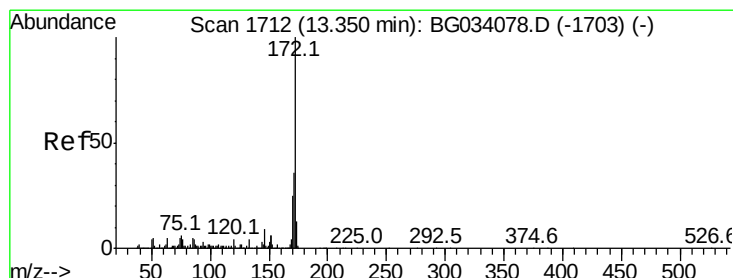
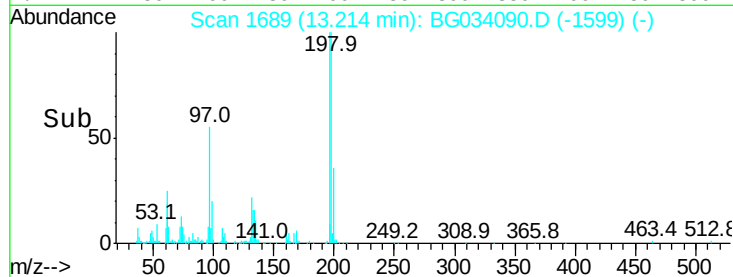
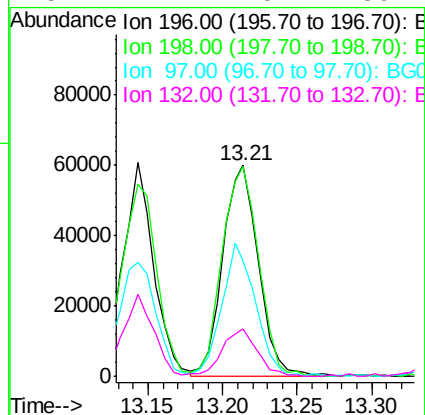
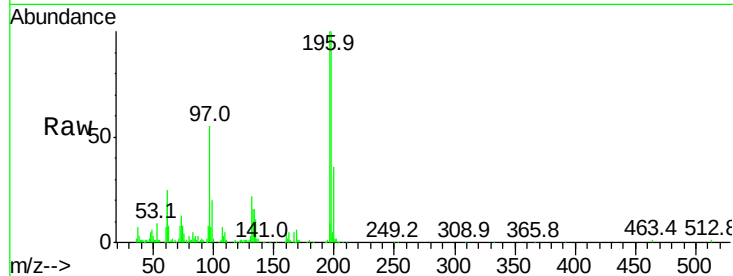
#43
 2,4,5-Trichlorophenol
 Concen: 20.835 ng
 RT: 13.21 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	196	Resp	100482
Ion Ratio	Lower	Upper	
196	100		
198	99.9	76.2	114.4
97	54.8	38.7	58.1
132	22.4	20.2	30.2

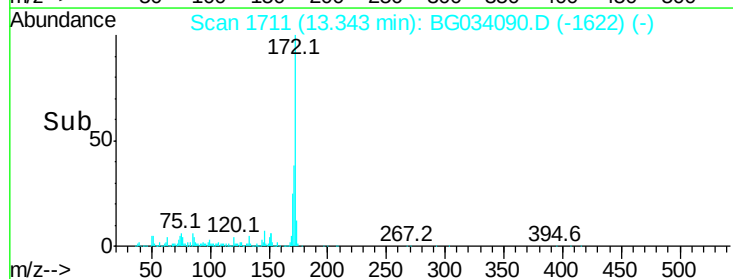
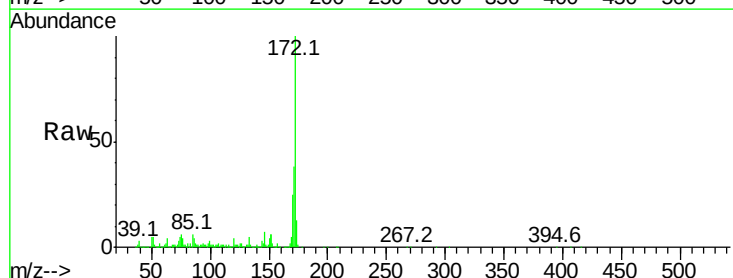
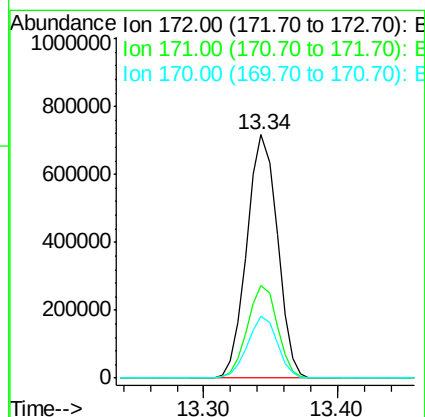
Manual Integrations
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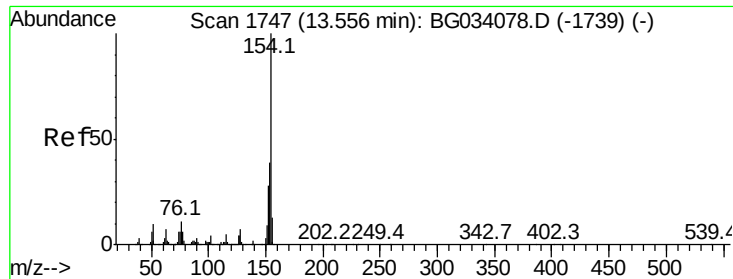
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 85.152 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	172	Resp	1133912
Ion Ratio	Lower	Upper	
172	100		
171	38.2	30.0	45.0
170	25.4	19.5	29.3





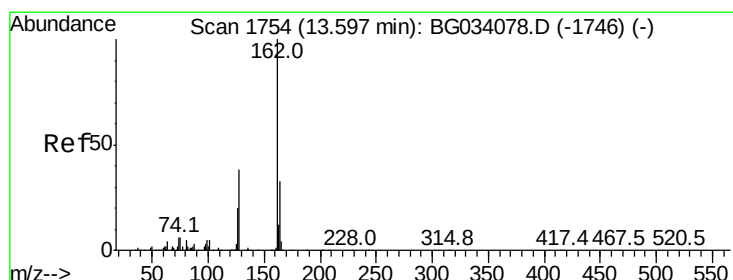
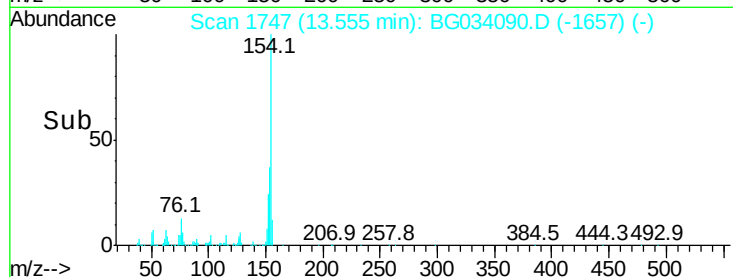
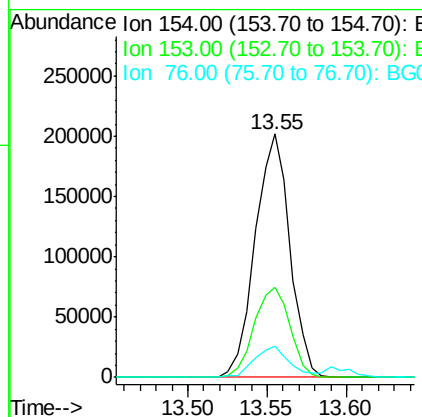
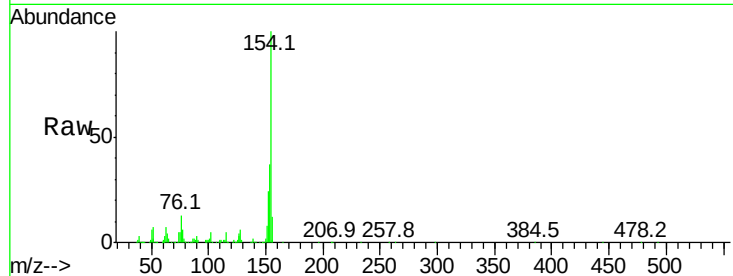
#45
1,1'-Biphenyl
Concen: 20.179 ng
RT: 13.55 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.0	19.8	59.8
76	12.6	0.0	31.9

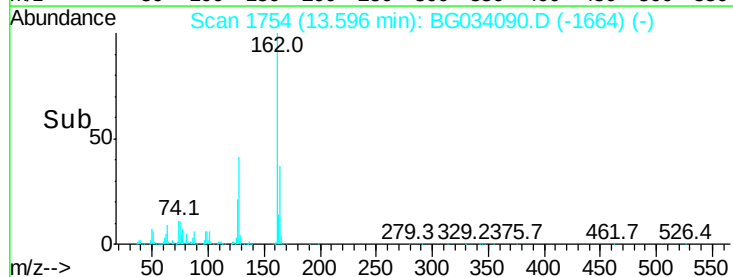
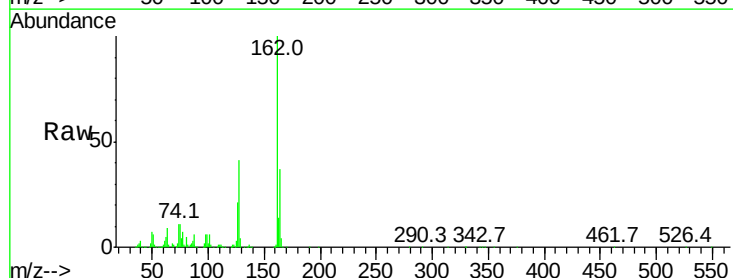
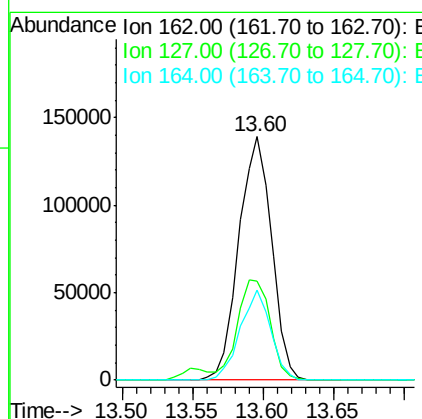
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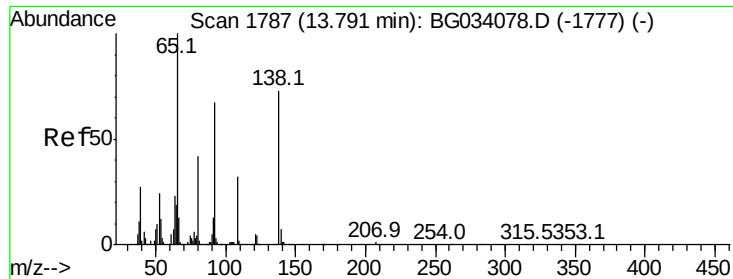
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#46
2-Chloronaphthalene
Concen: 19.704 ng
RT: 13.60 min Scan# 1754
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.7	30.7	46.1
164	36.8	26.0	39.0





#47

2-Nitroaniline

Concen: 20.118 ng

RT: 13.79 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

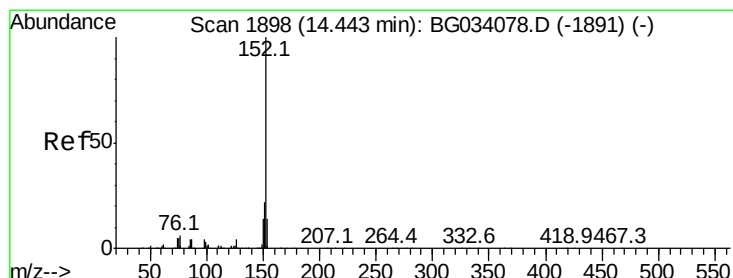
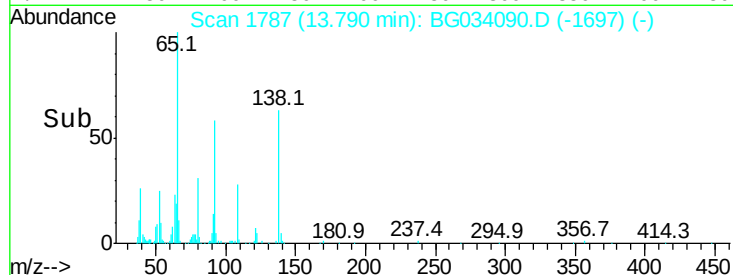
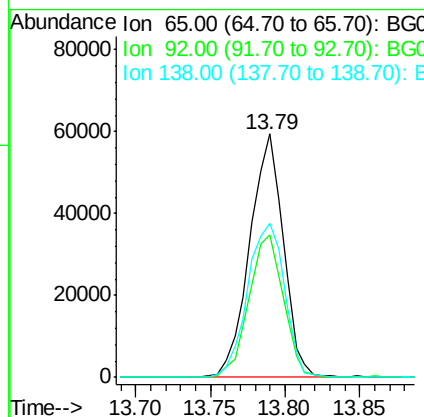
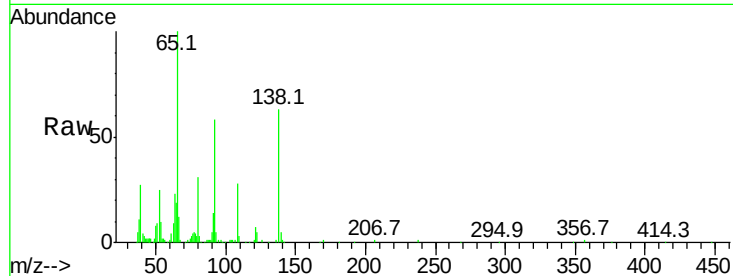
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
65	100		
92	58.5	54.6	82.0
138	63.1	72.9	109.3

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#48

Acenaphthylene

Concen: 19.757 ng

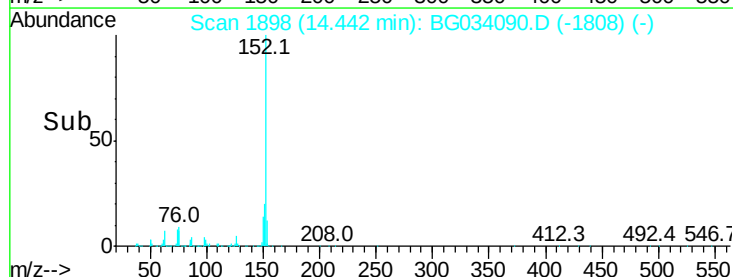
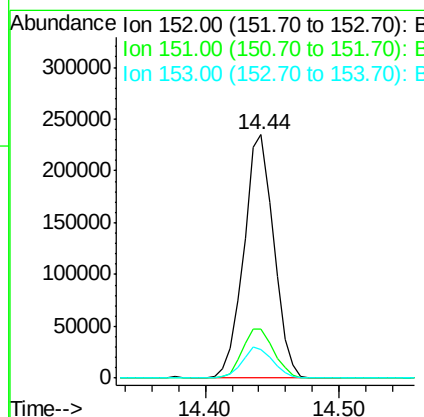
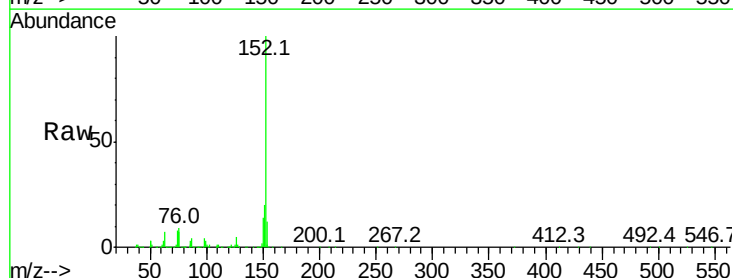
RT: 14.44 min Scan# 1898

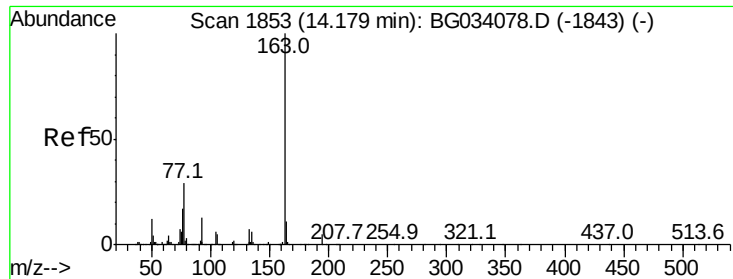
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.2	25.8
153	11.7	10.2	15.4





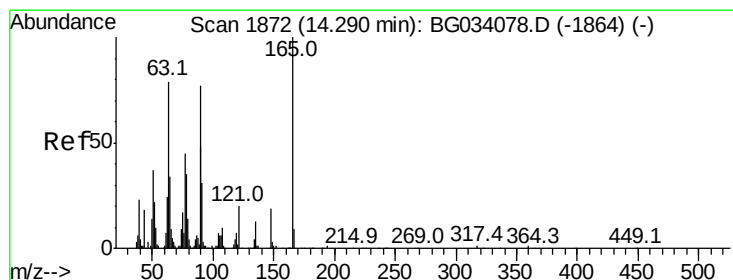
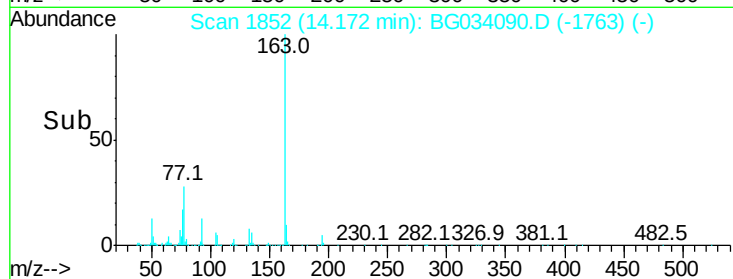
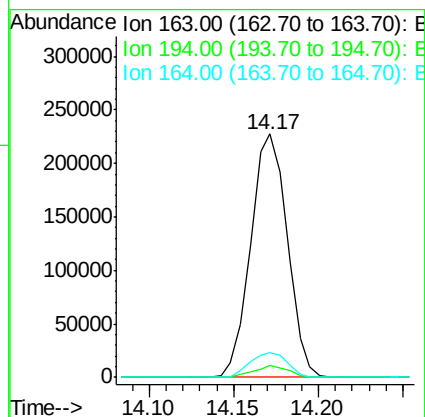
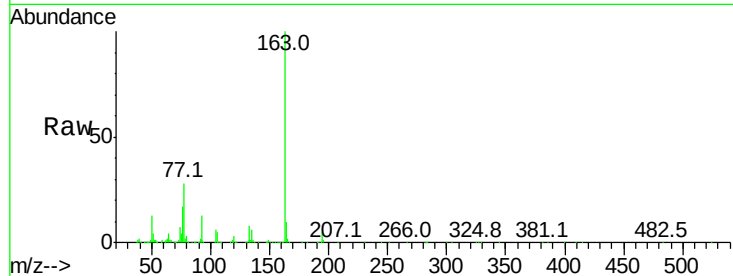
#49
Dimethylphthalate
Concen: 20.388 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.2
164	10.0	8.2	12.4

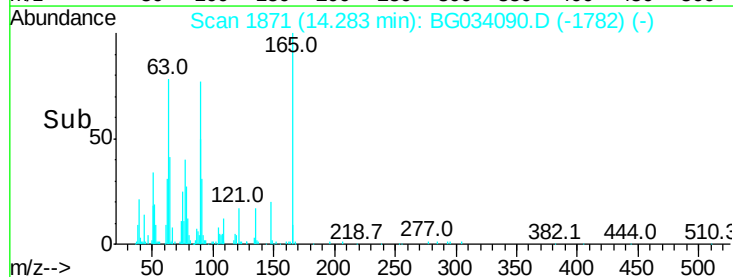
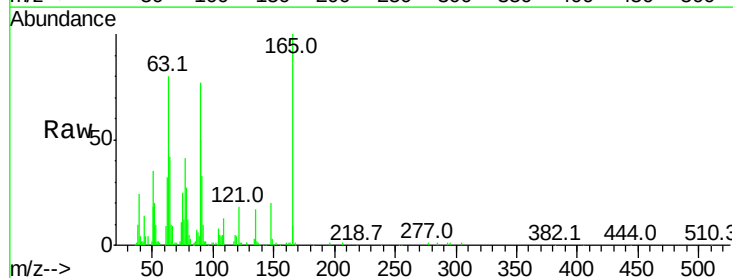
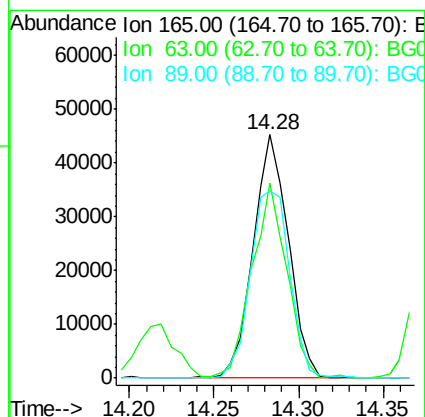
Manual Integrations
APPROVED

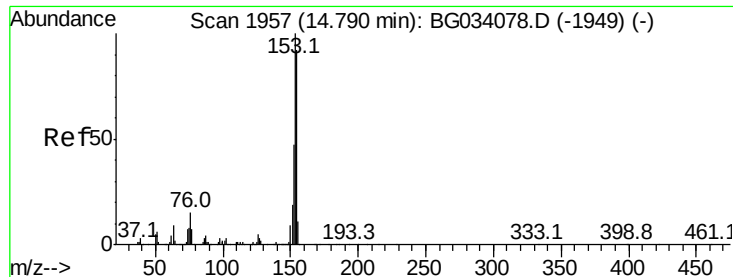
Sohil
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#50
2,6-Dinitrotoluene
Concen: 20.309 ng
RT: 14.28 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	80.2	52.7	79.1#
89	76.9	49.2	73.8#





#51

Acenaphthene

Concen: 20.345 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

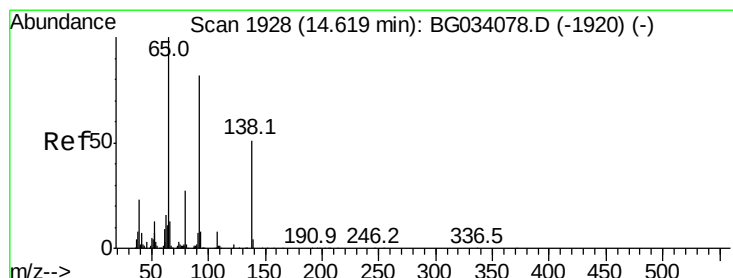
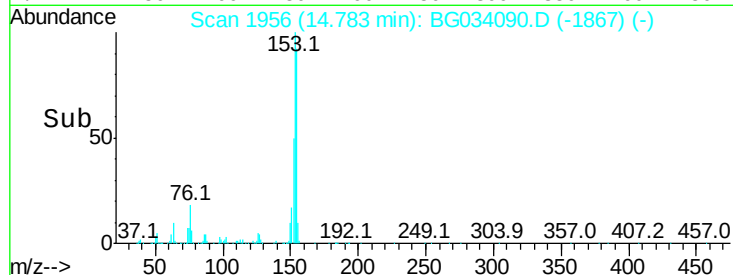
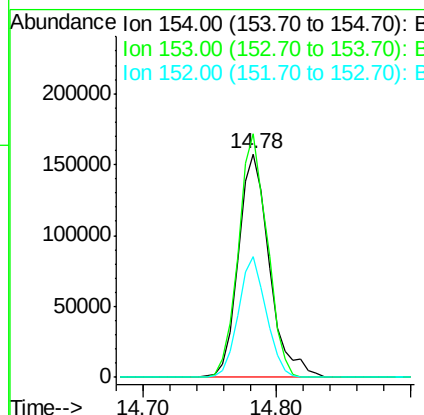
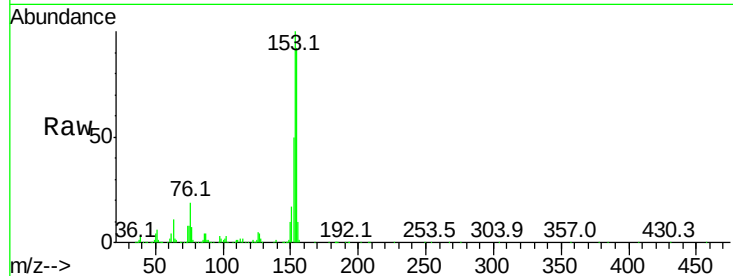
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	154	Resp:	253350
Ion Ratio	Lower	Upper	
154	100		
153	109.1	90.4	135.6
152	54.0	41.6	62.4

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#52

3-Nitroaniline

Concen: 21.439 ng

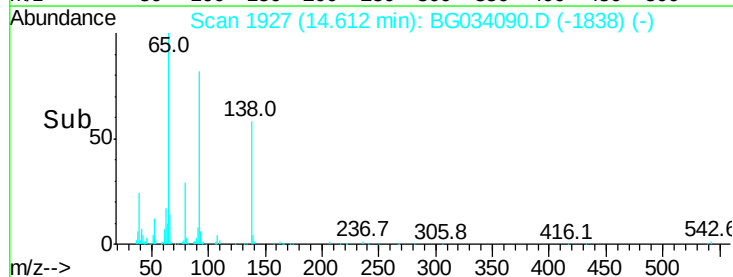
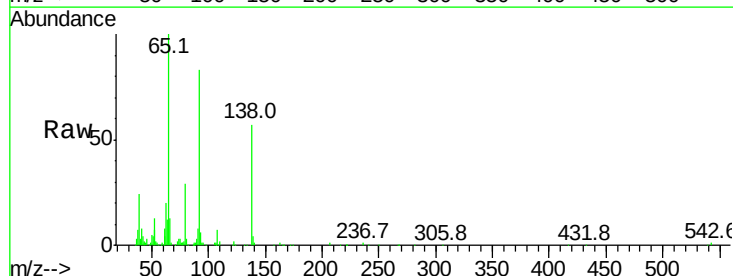
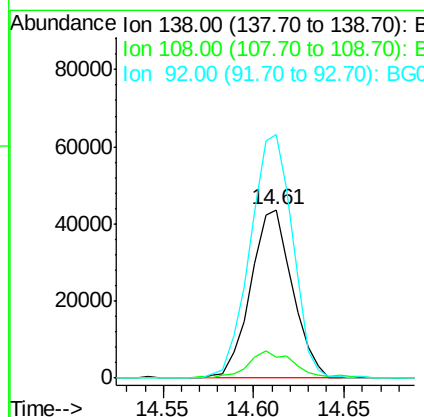
RT: 14.61 min Scan# 1927

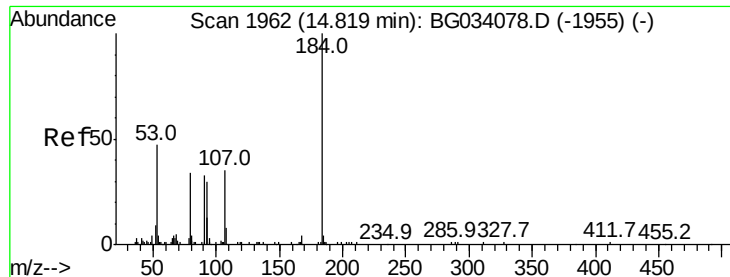
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	138	Resp:	69831
Ion Ratio	Lower	Upper	
138	100		
108	12.3	17.5	26.3#
92	144.7	105.8	158.8





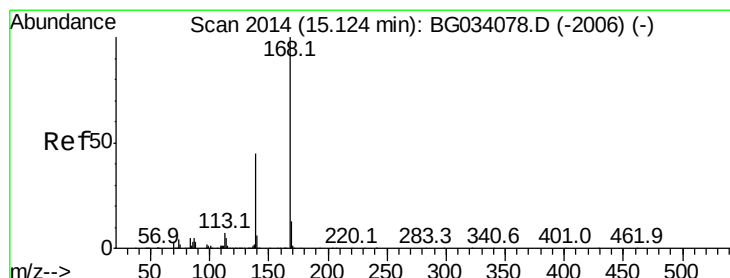
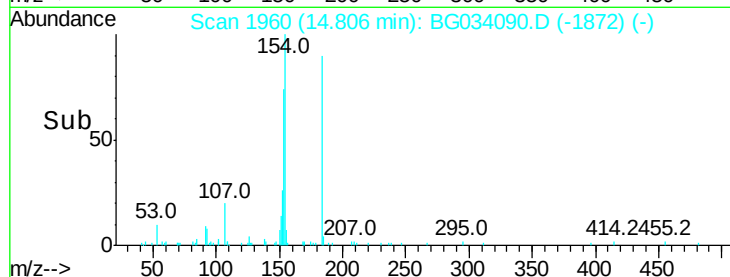
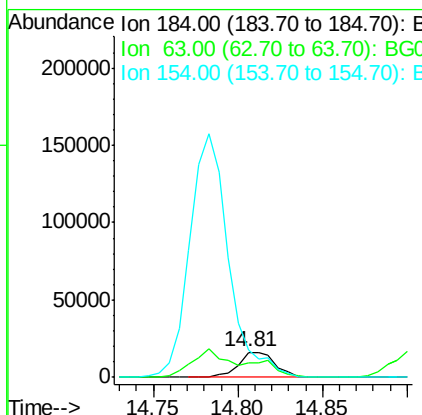
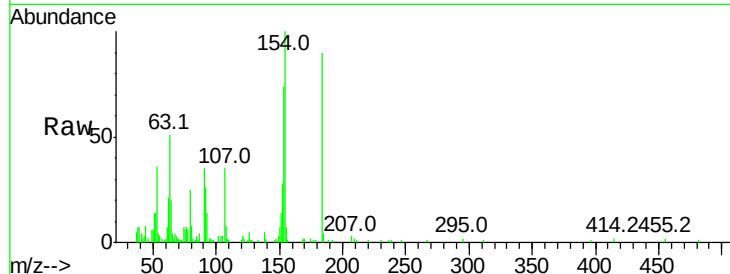
#53
2,4-Dinitrophenol
Concen: 19.427 ng
RT: 14.81 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
184	100		
63	56.7	59.8	89.8#
154	111.3	101.8	152.8

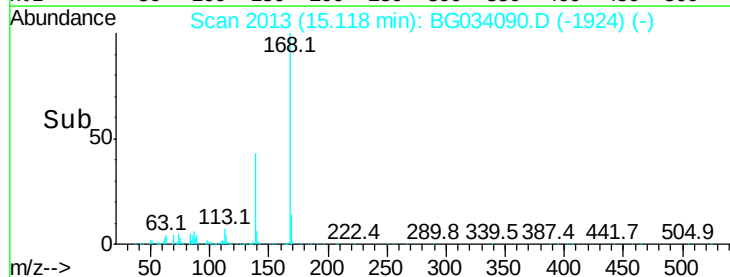
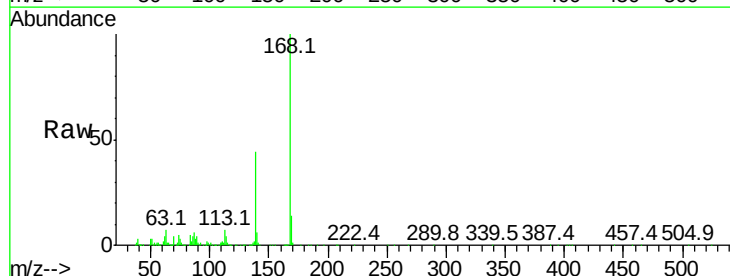
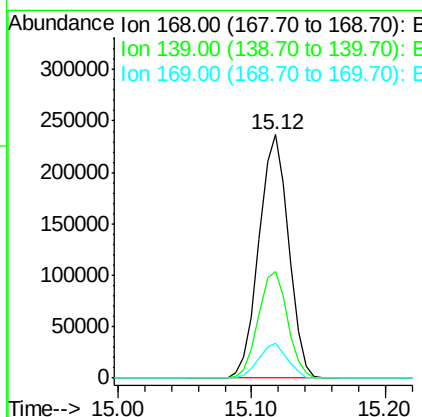
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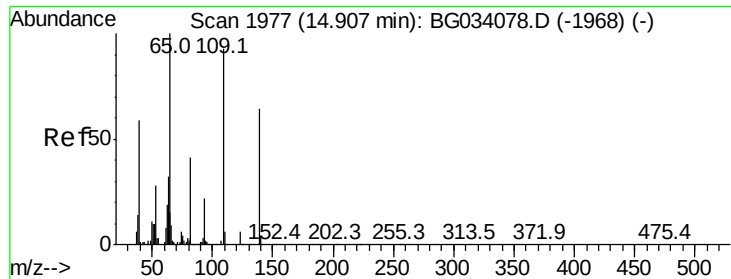
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#54
Dibenzofuran
Concen: 20.037 ng
RT: 15.12 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.6	28.6	43.0#
169	14.5	11.2	16.8





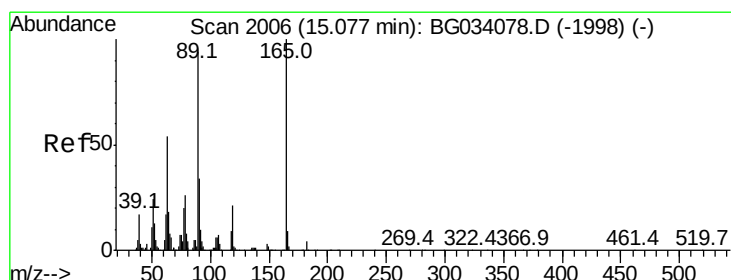
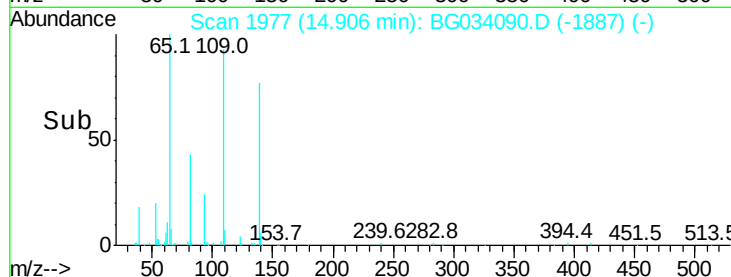
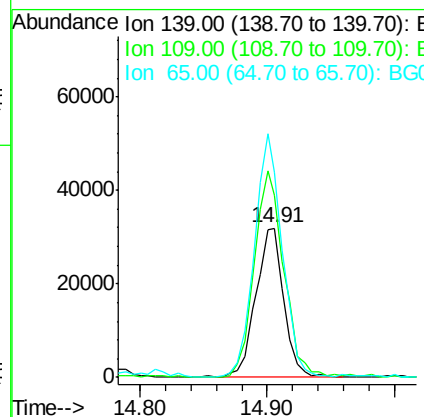
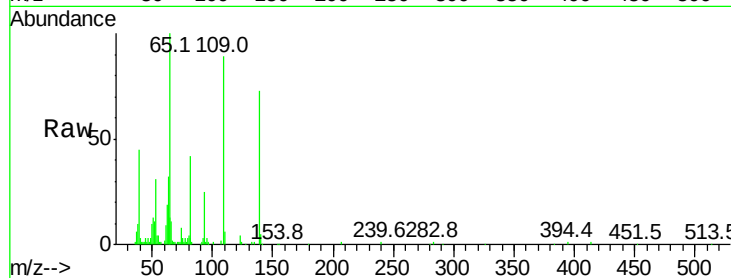
#55
4-Nitrophenol
Concen: 19.887 ng
RT: 14.91 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	122.4	62.2	102.2#
65	137.6	97.2	137.2#

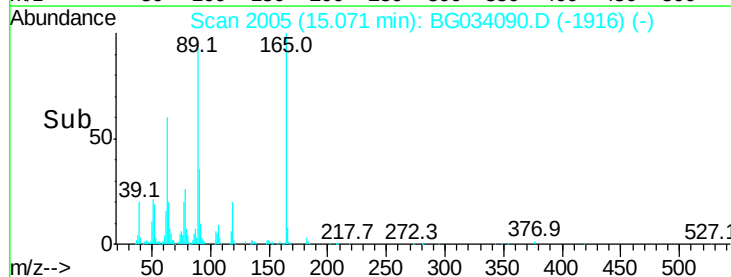
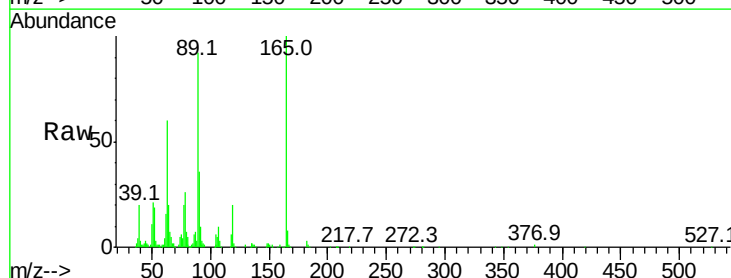
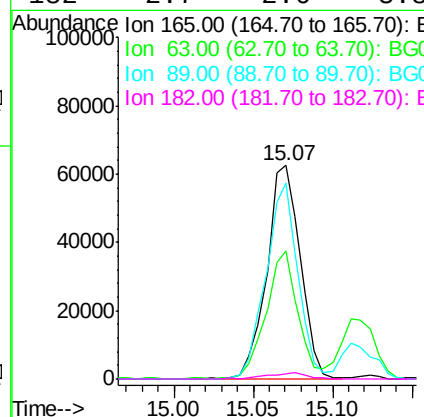
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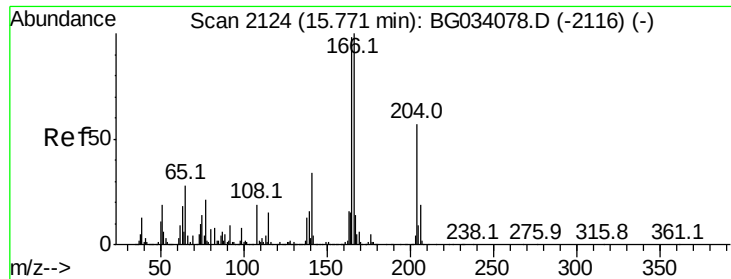
Sohil
5/2/2018 4:50:46 PM



#56
2,4-Dinitrotoluene
Concen: 21.053 ng
RT: 15.07 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	59.7	42.0	63.0
89	91.9	66.9	100.3
182	2.7	2.6	3.8





#57

Fluorene

Concen: 19.969 ng

RT: 15.77 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

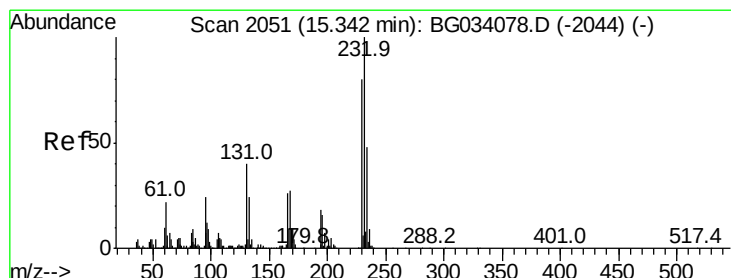
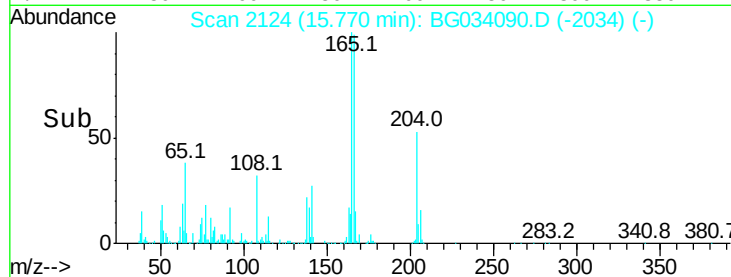
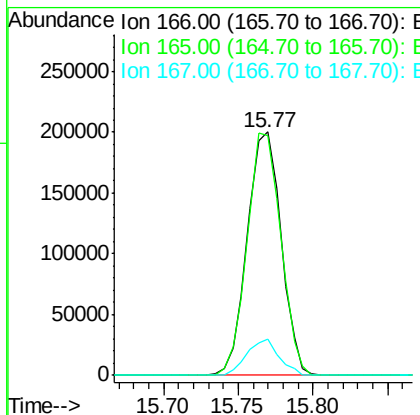
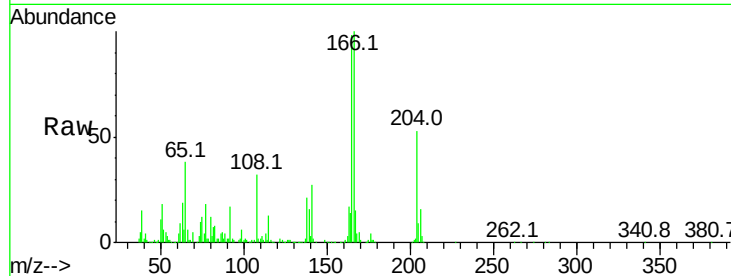
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	166	Resp:	314209
Ion Ratio	Lower	Upper	
166	100		
165	98.3	80.6	121.0
167	14.7	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 18.938 ng

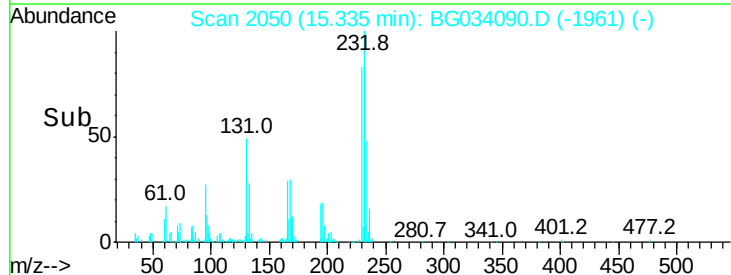
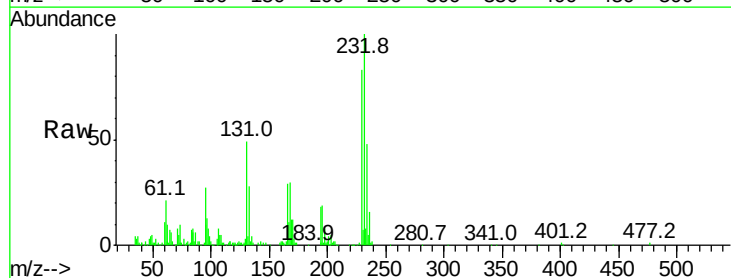
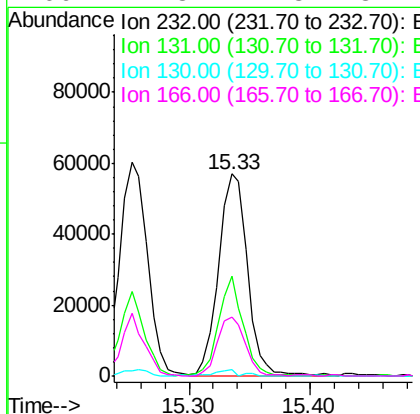
RT: 15.33 min Scan# 2050

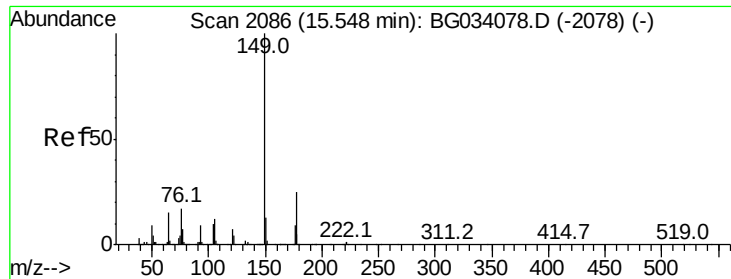
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	232	Resp:	94484
Ion Ratio	Lower	Upper	
232	100		
131	40.4	33.5	50.3
130	2.7	2.2	3.2
166	27.8	24.8	37.2





#59

Diethylphthalate

Concen: 19.653 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

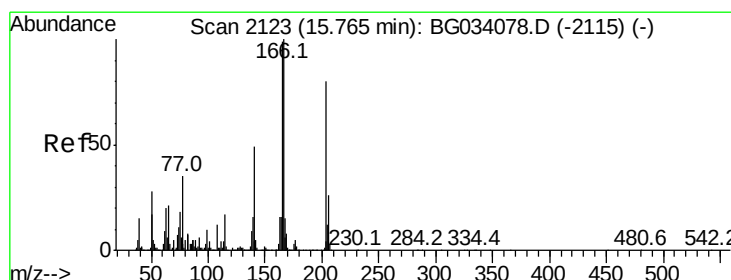
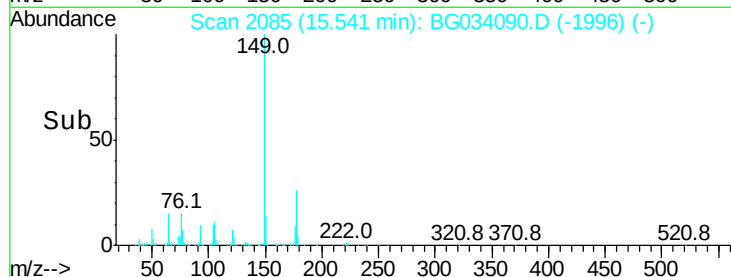
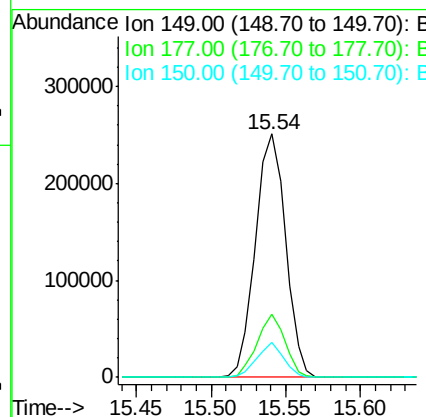
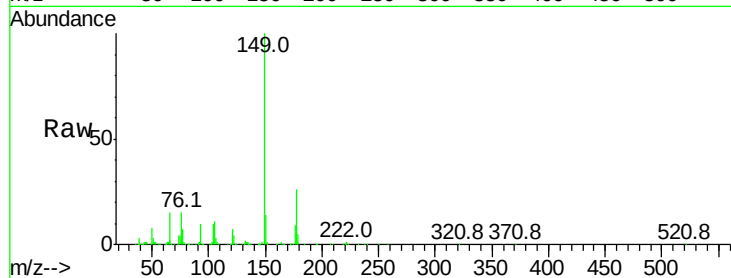
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	149	Resp:	349927
Ion Ratio	Lower	Upper	
149	100		
177	25.7	18.5	27.7
150	14.4	10.2	15.2

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#60

4-Chlorophenyl-phenylether

Concen: 20.663 ng

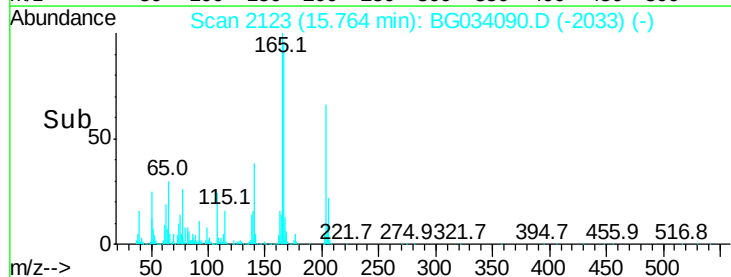
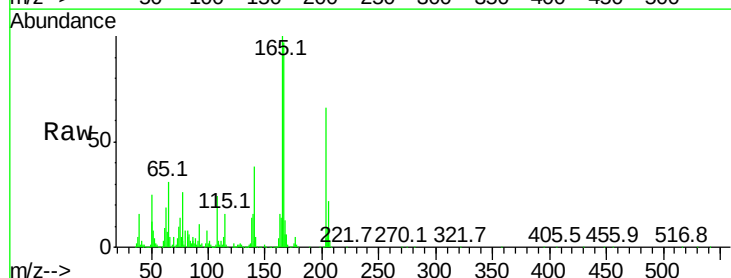
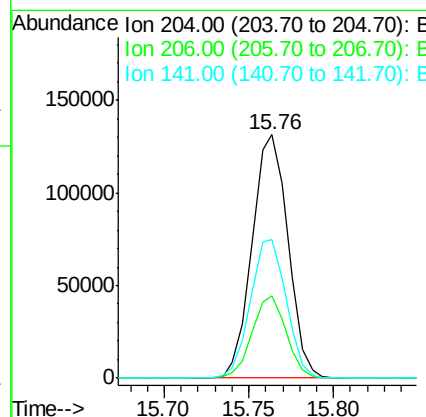
RT: 15.76 min Scan# 2123

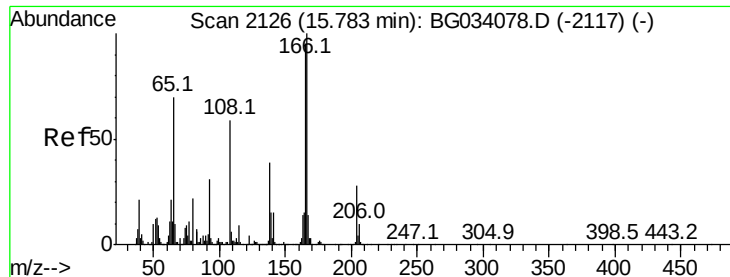
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	204	Resp:	193427
Ion Ratio	Lower	Upper	
204	100		
206	33.8	26.2	39.2
141	57.1	45.8	68.6





#61

4-Nitroaniline

Concen: 20.184 ng

RT: 15.77 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:138 Resp: 69737

Ion Ratio Lower Upper

138 100

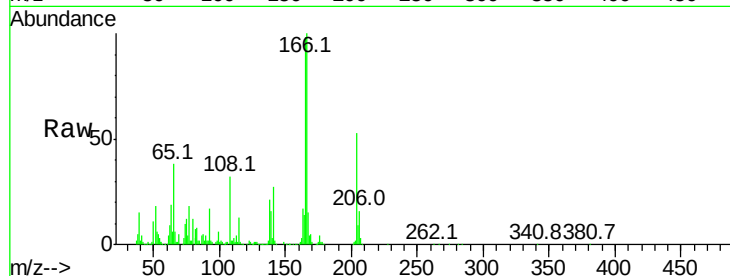
92 79.1 40.1 80.1

108 149.9 65.4 105.4#

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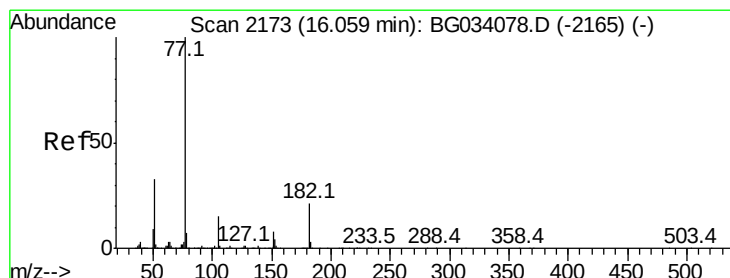
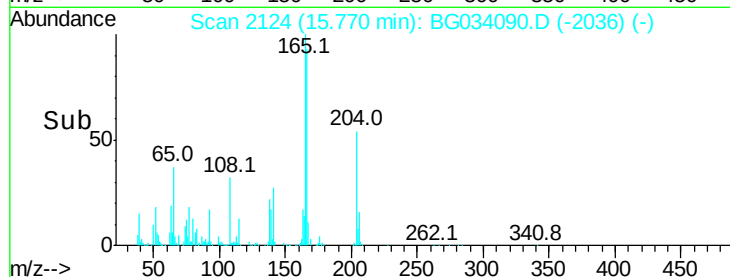
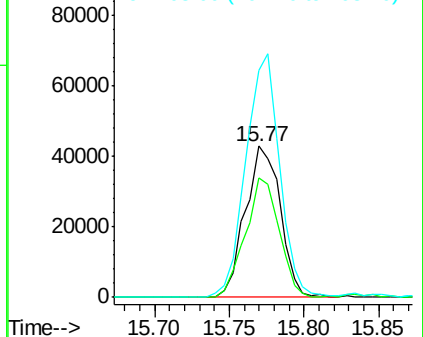
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 19.981 ng

RT: 16.06 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion: 77 Resp: 384311

Ion Ratio Lower Upper

77 100

182 23.1 7.4 47.4

105 15.6 0.3 40.3

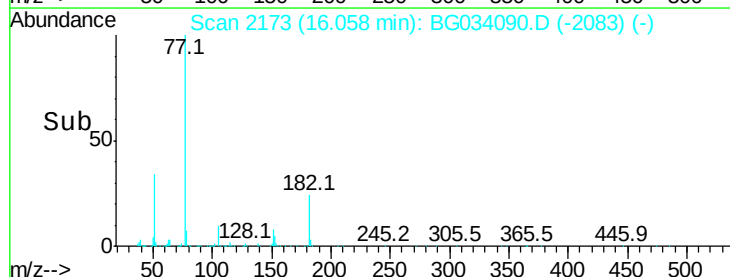
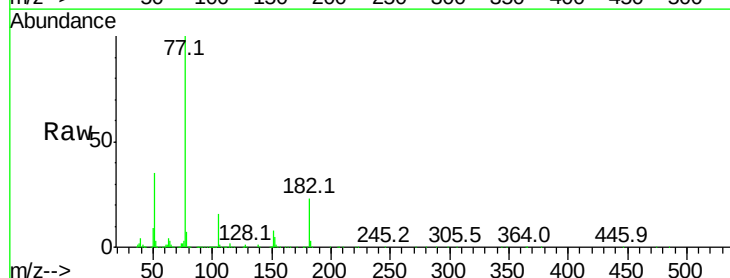
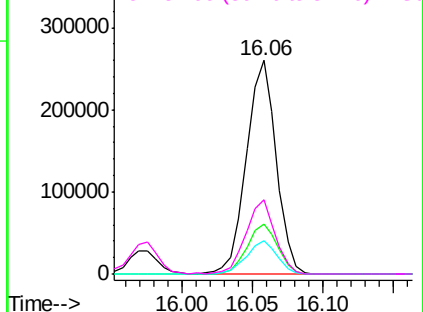
51 34.8 11.6 51.6

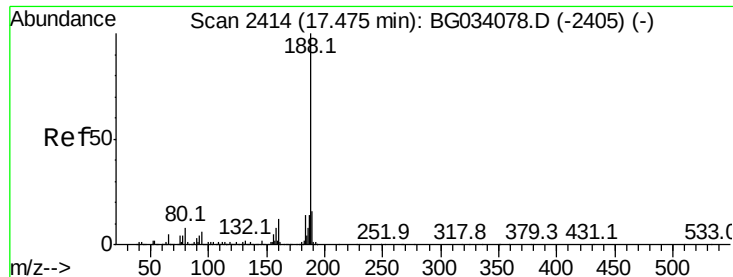
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

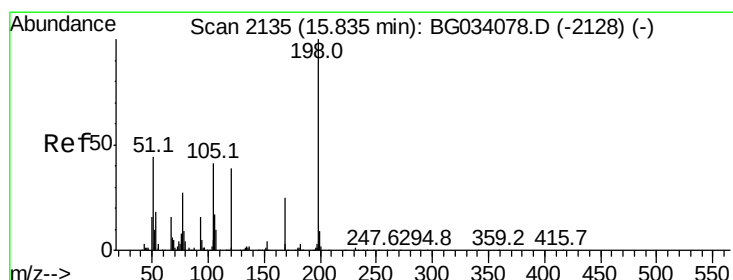
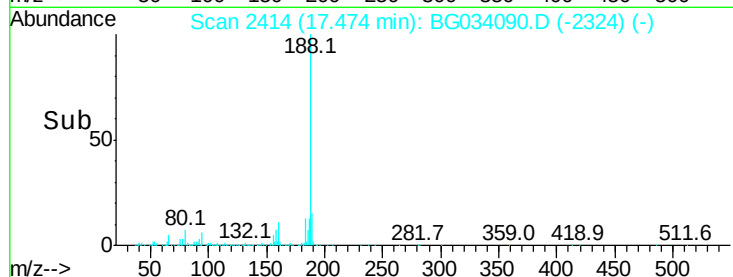
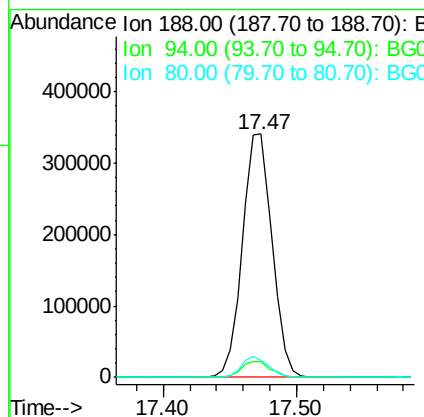
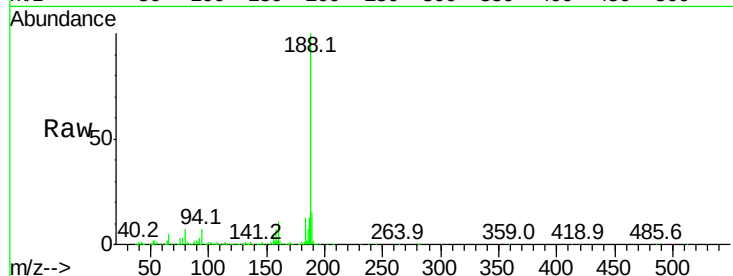
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:188	Resp:	521162
Ion Ratio	Lower	Upper
188 100		
94 6.6	6.9	10.3#
80 7.0	7.7	11.5#

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#64

4,6-Dinitro-2-methylphenol

Concen: 17.893 ng

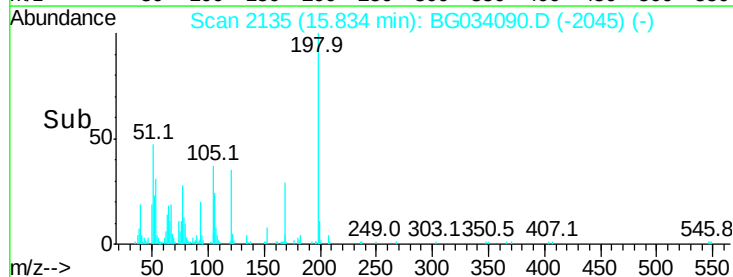
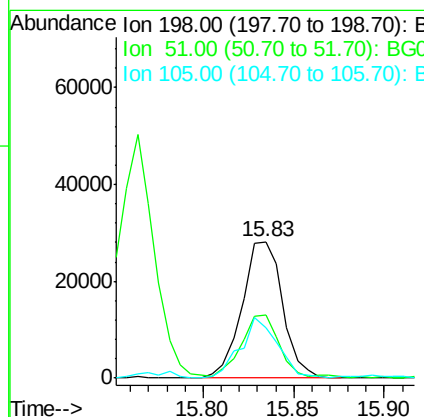
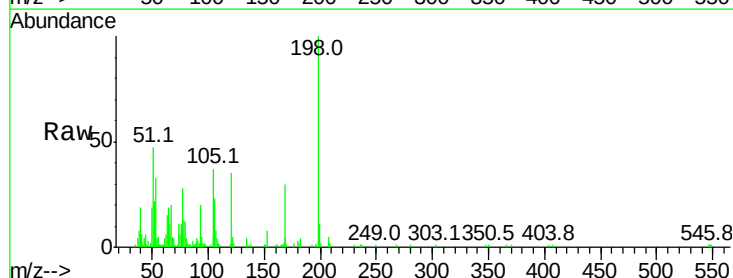
RT: 15.83 min Scan# 2135

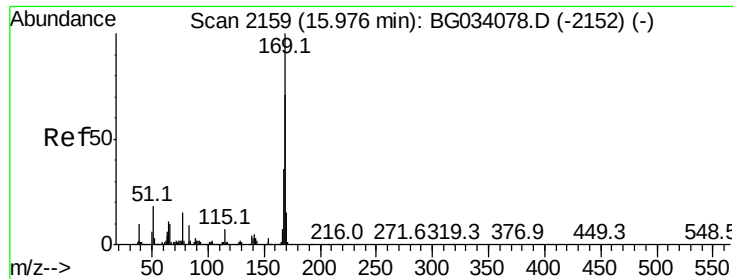
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:198	Resp:	43845
Ion Ratio	Lower	Upper
198 100		
51 46.6	30.6	70.6
105 37.1	23.8	63.8





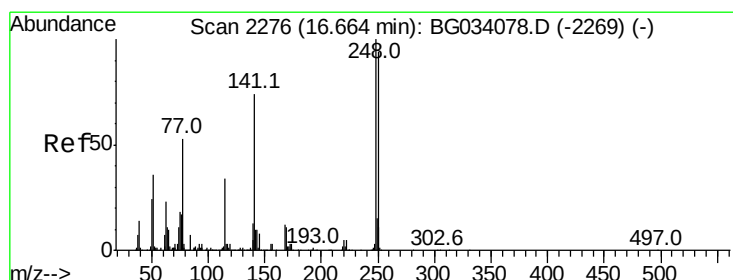
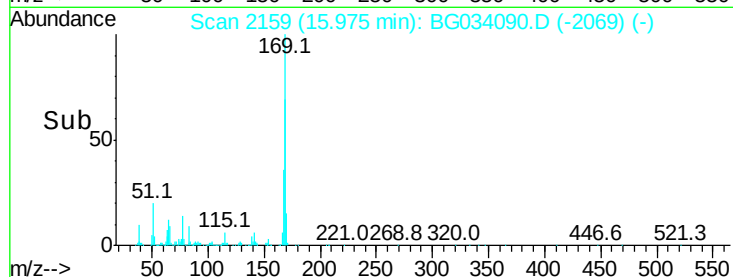
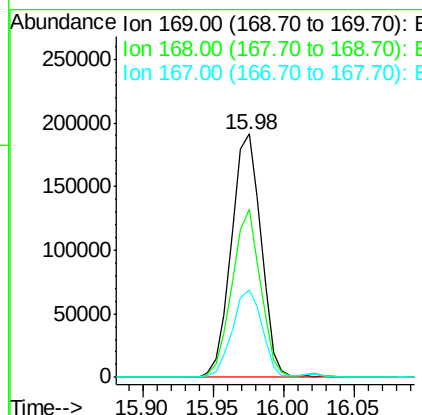
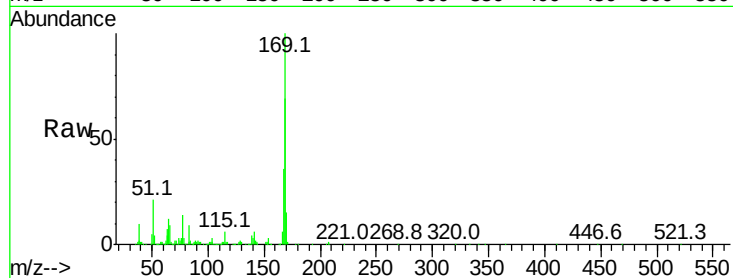
#65
 n-Nitrosodiphenylamine
 Concen: 19.768 ng
 RT: 15.98 min Scan# 2159
 Delta R.T. -0.00 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
169	100	280915		
168	68.8		55.7	83.5
167	35.8		30.1	45.1

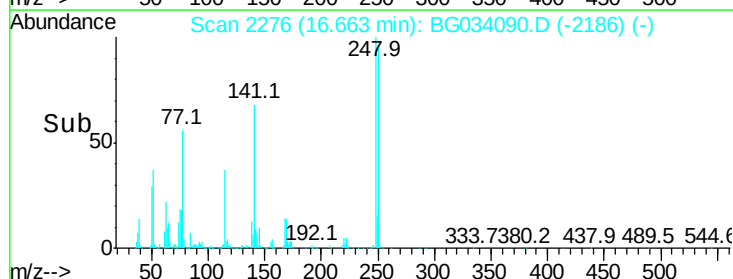
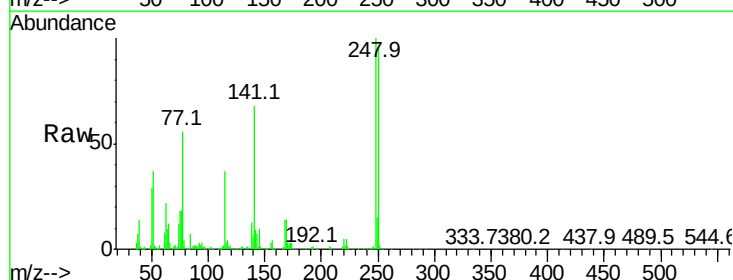
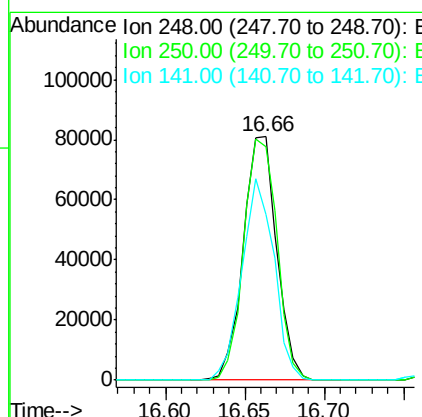
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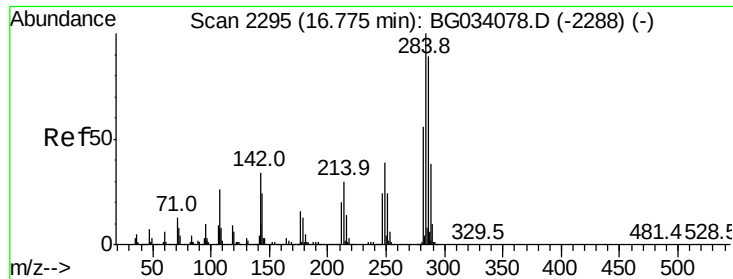
Sohil
 5/2/2018 4:50:46 PM



#66
 4-Bromophenyl-phenylether
 Concen: 18.310 ng
 RT: 16.66 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	118476		
250	96.1		77.1	115.7
141	68.0		50.8	76.2





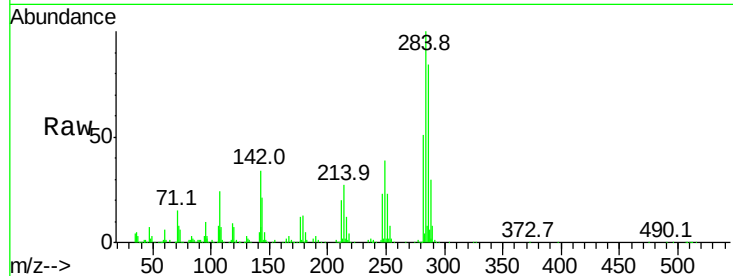
#67
Hexachlorobenzene
Concen: 19.850 ng
RT: 16.77 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

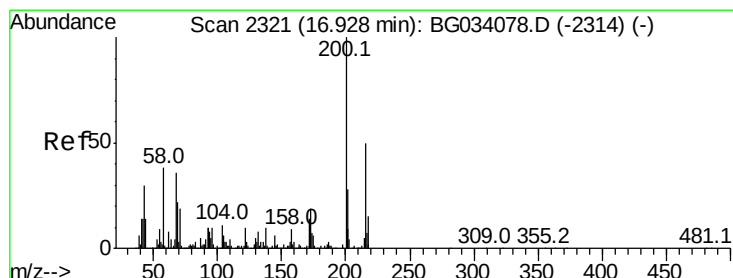
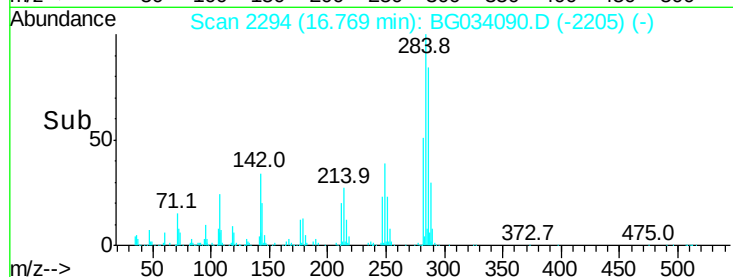
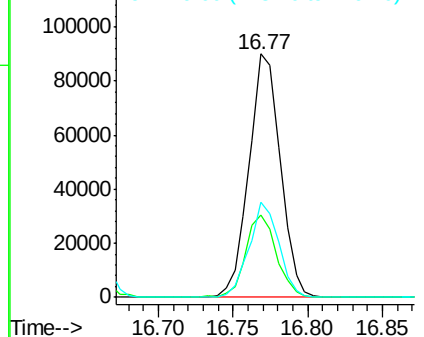
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	34.1	26.8	40.2	
249	38.9	26.3	39.5	

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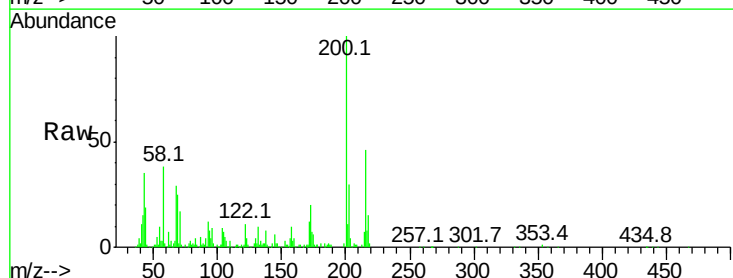


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

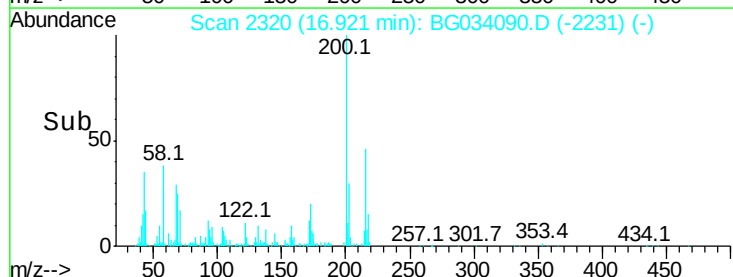
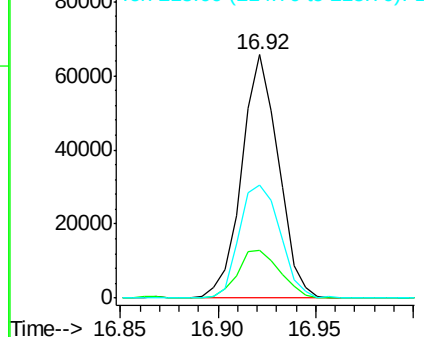


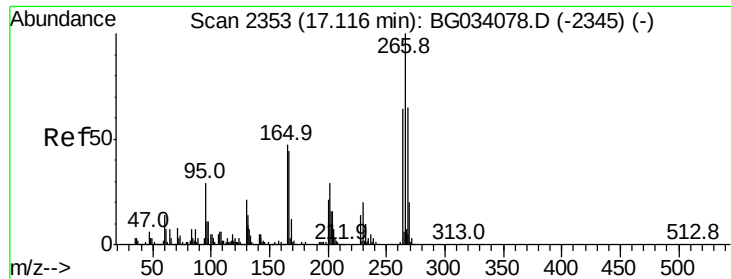
#68
Atrazine
Concen: 11.443 ng
RT: 16.92 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	19.7	5.2	45.2	
215	46.3	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





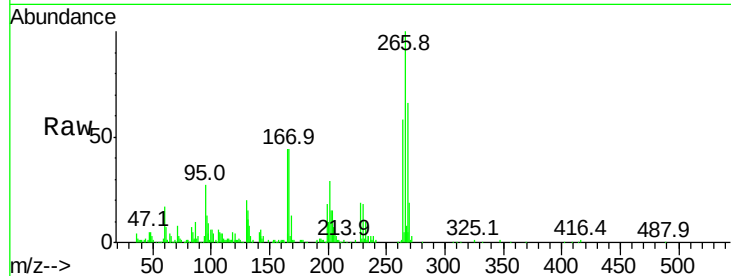
#69
 Pentachlorophenol
 Concen: 18.497 ng
 RT: 17.11 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.0	51.1	76.7
264	57.5	49.6	74.4

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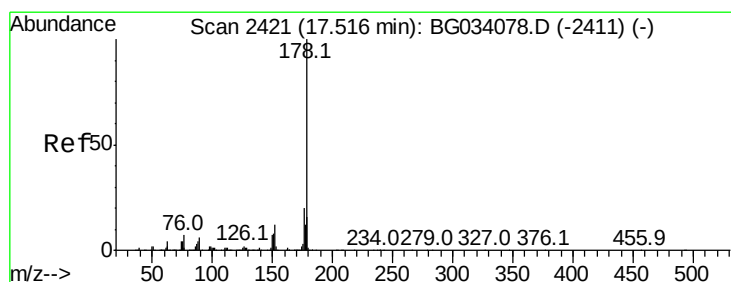
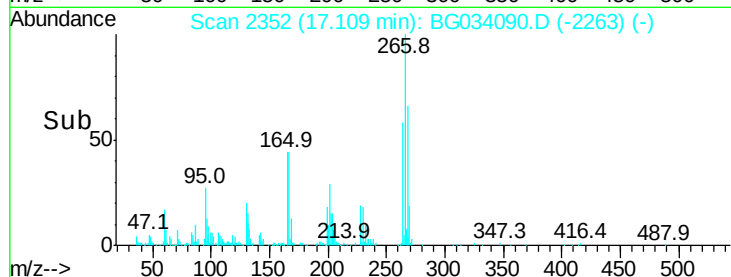
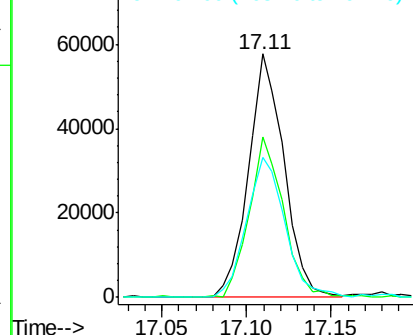


Abundance

Ion 265.70 (265.40 to 266.40): E

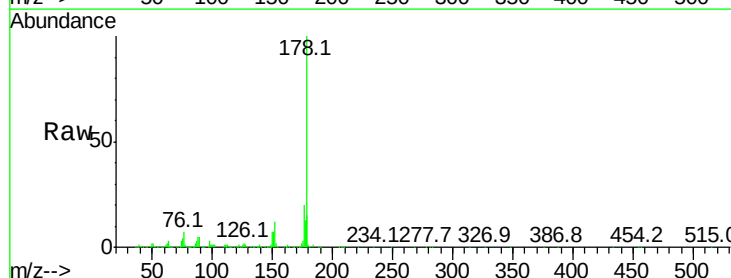
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 19.882 ng
 RT: 17.51 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.0	12.5	18.7

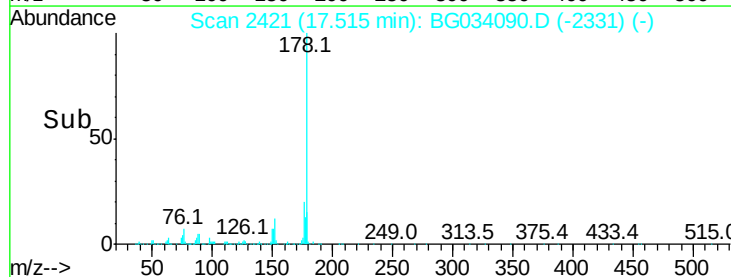
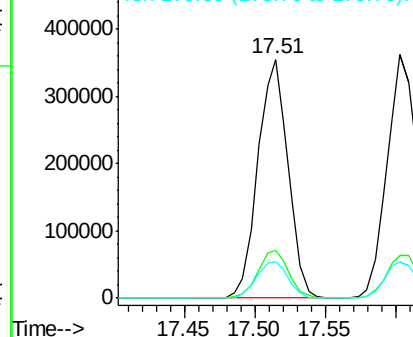


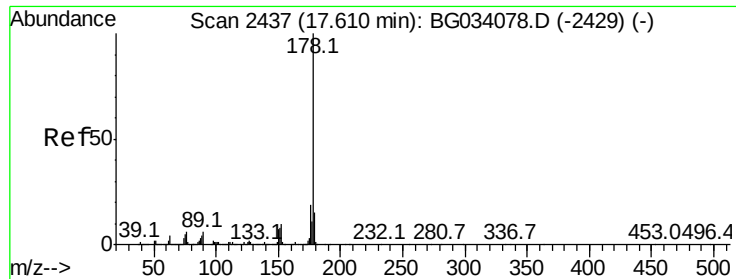
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





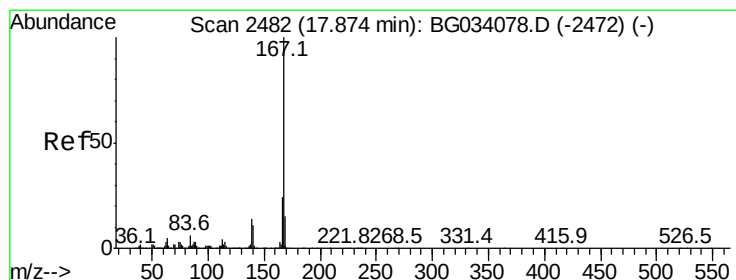
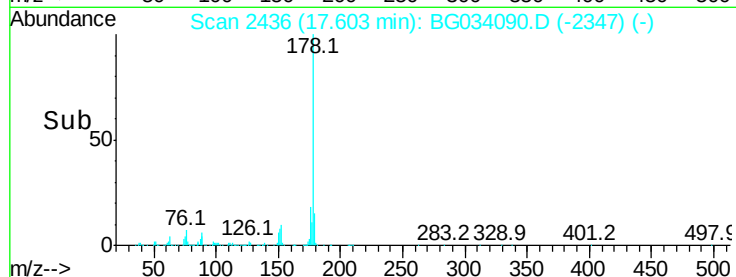
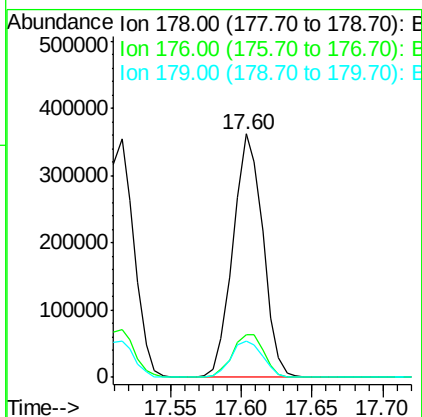
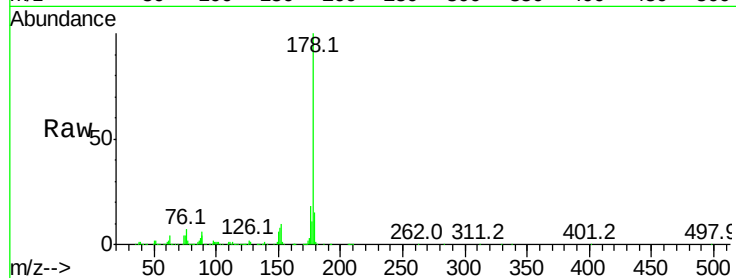
#71
 Anthracene
 Concen: 19.738 ng
 RT: 17.60 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.0	24.0
179	14.8	12.5	18.7

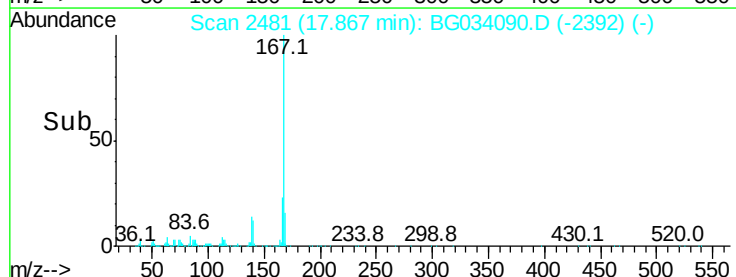
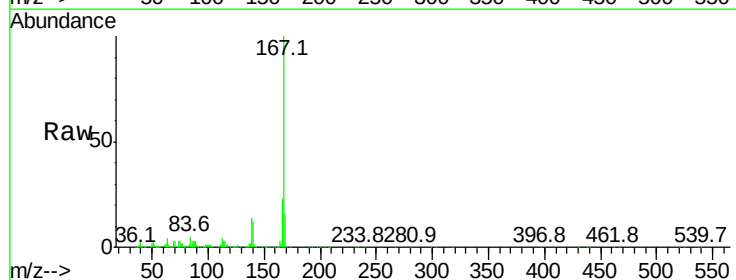
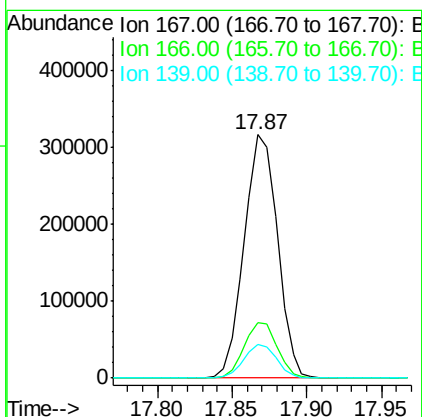
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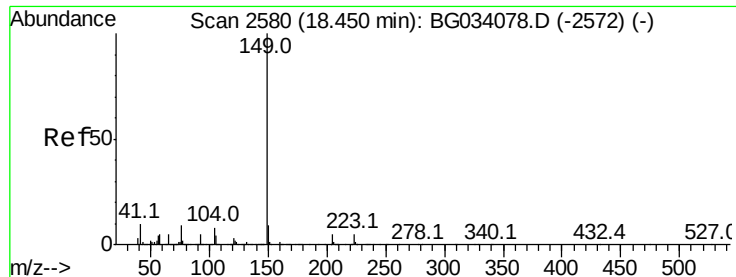
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#72
 Carbazole
 Concen: 19.683 ng
 RT: 17.87 min Scan# 2481
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.2	27.4
139	13.8	9.4	14.2





#73

Di-n-butylphthalate

Concen: 19.586 ng

RT: 18.44 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

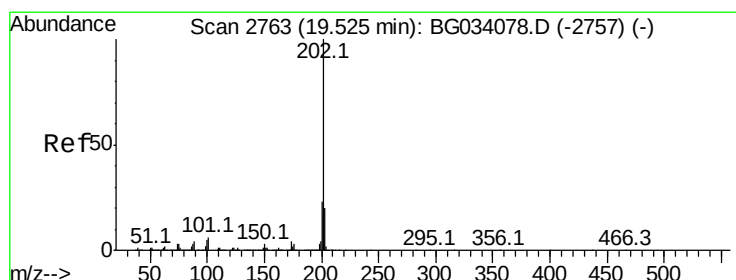
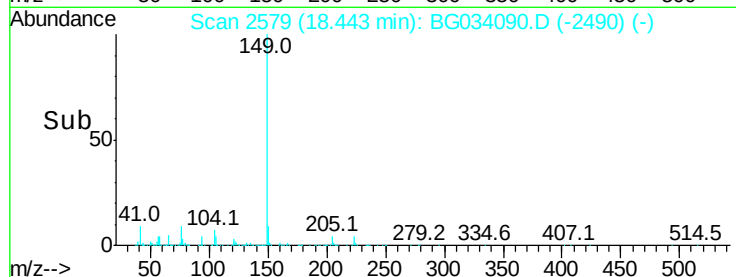
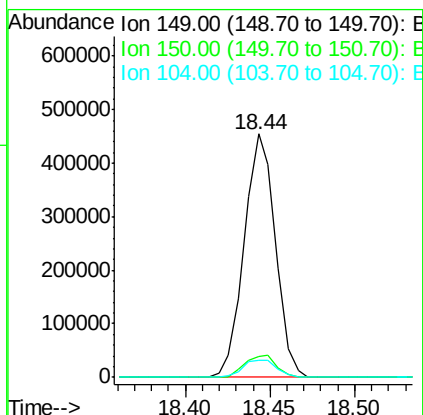
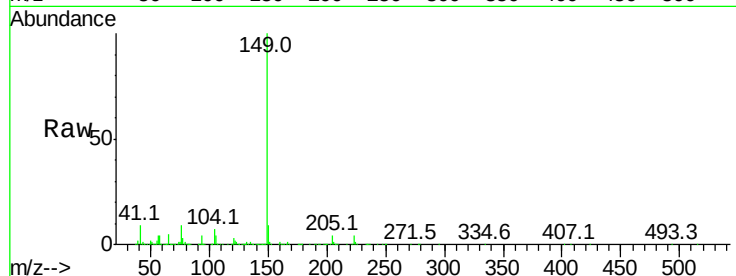
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	149	Resp:	585731
Ion Ratio		Lower	Upper
149	100		
150	8.6	7.8	11.6
104	6.9	3.9	5.9

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#74

Fluoranthene

Concen: 20.035 ng

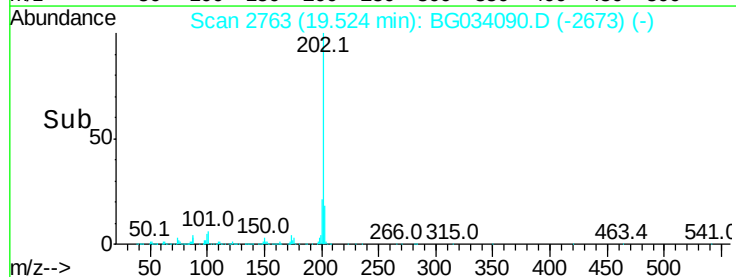
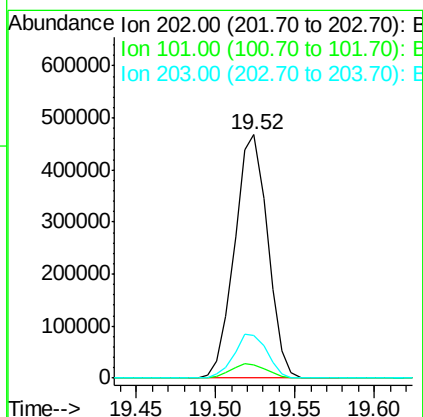
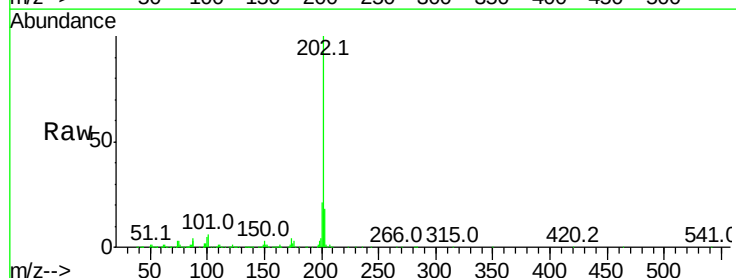
RT: 19.52 min Scan# 2763

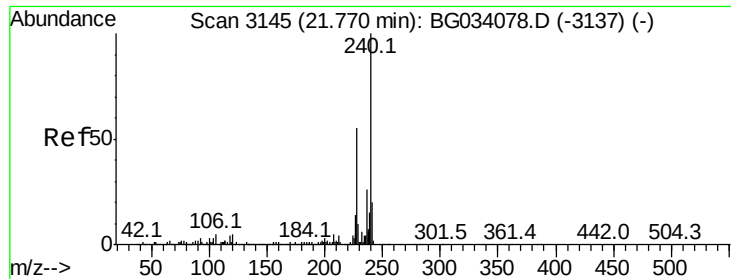
Delta R.T. -0.00 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	202	Resp:	677978
Ion Ratio		Lower	Upper
202	100		
101	5.6	0.0	28.9
203	17.8	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

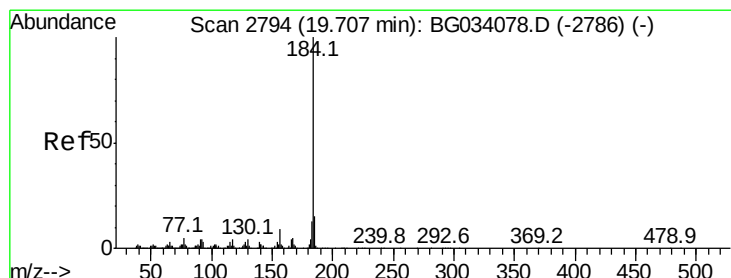
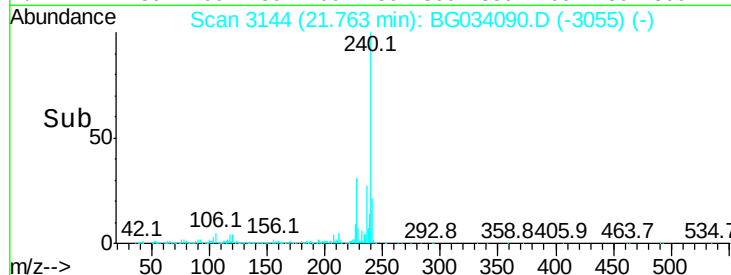
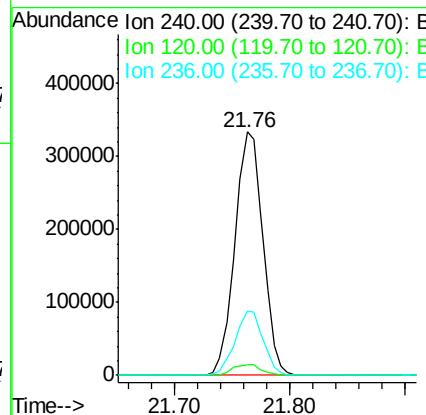
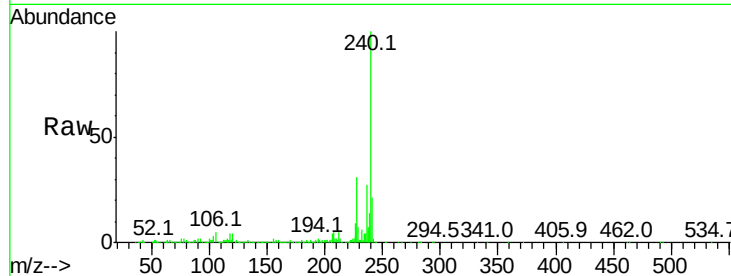
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	4.4	6.8	10.2	
236	26.7	20.9	31.3	

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#76

Benzidine

Concen: 17.256 ng

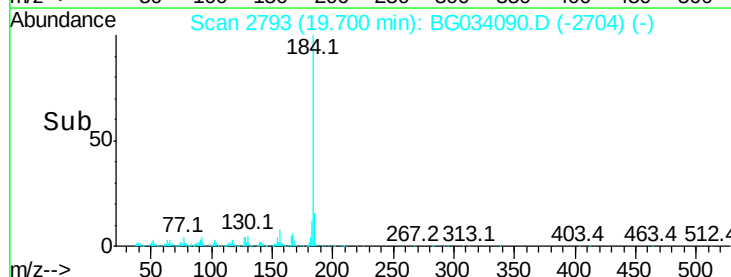
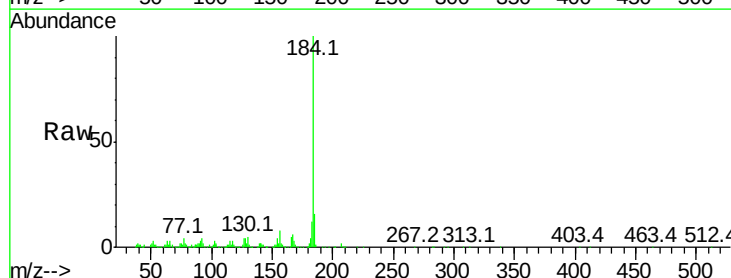
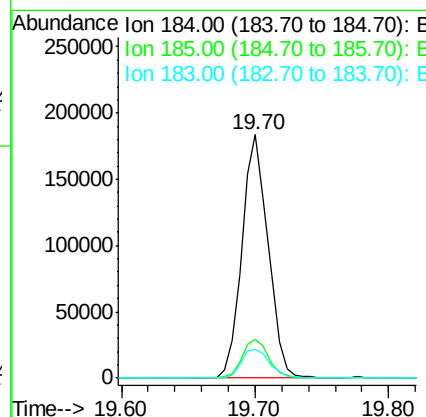
RT: 19.70 min Scan# 2793

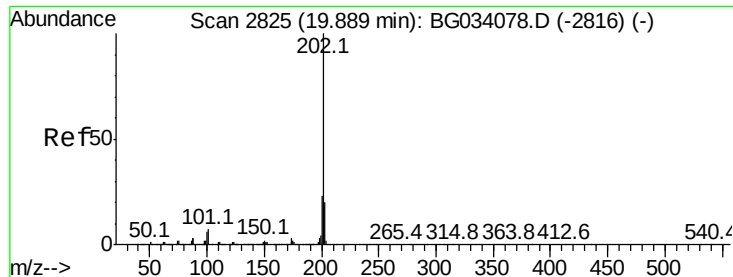
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	15.7	11.1	16.7	
183	11.9	10.6	16.0	





#77

Pvrene

Concen: 19.901 ng

RT: 19.88 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

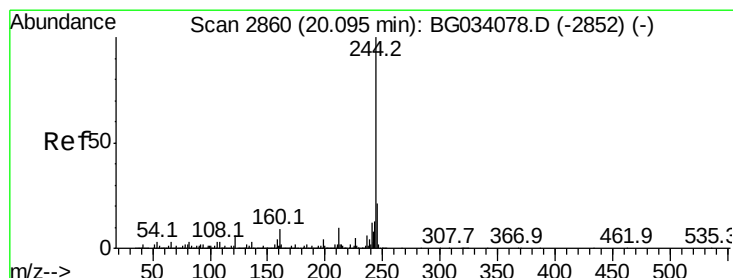
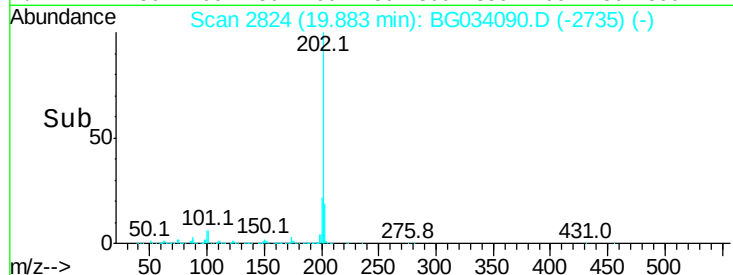
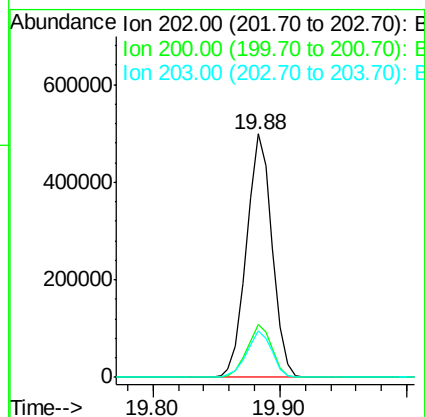
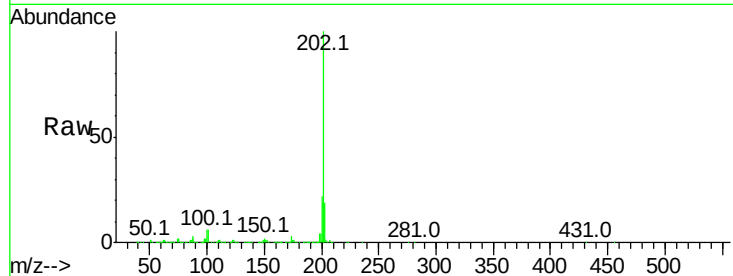
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	202	Resp:	698018
Ion Ratio		Lower	Upper
202	100		
200	21.5	16.9	25.3
203	19.2	13.9	20.9

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#78

Terphenyl-d14

Concen: 83.336 ng

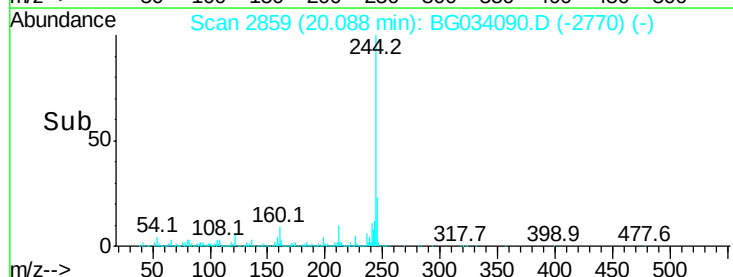
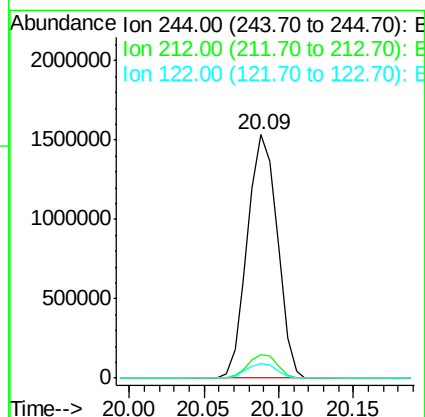
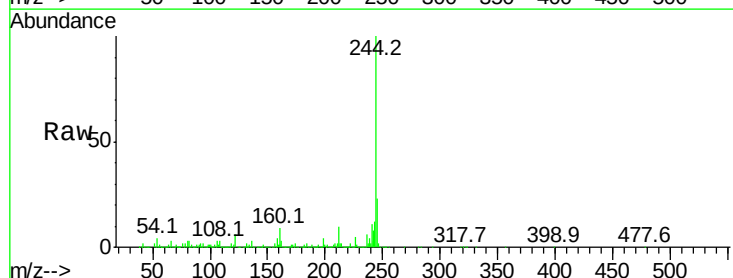
RT: 20.09 min Scan# 2859

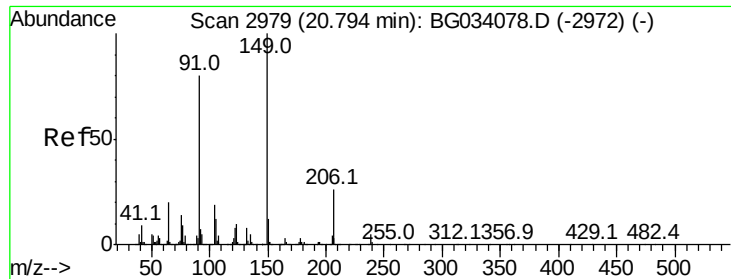
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	244	Resp:	2129682
Ion Ratio		Lower	Upper
244	100		
212	9.8	5.8	8.8#
122	6.2	7.0	10.4#





#79

Butylbenzylphthalate

Concen: 19.965 ng

RT: 20.79 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

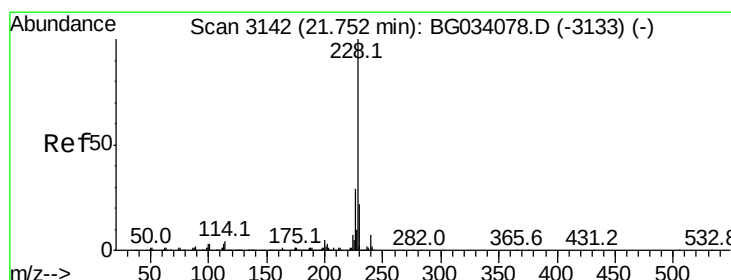
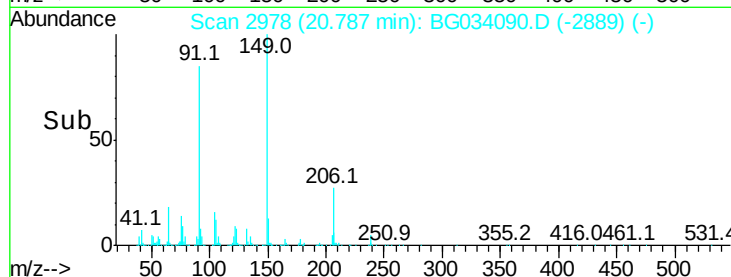
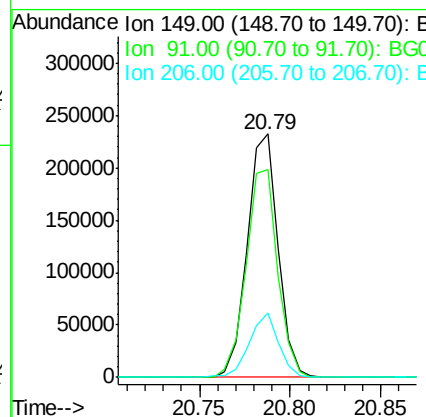
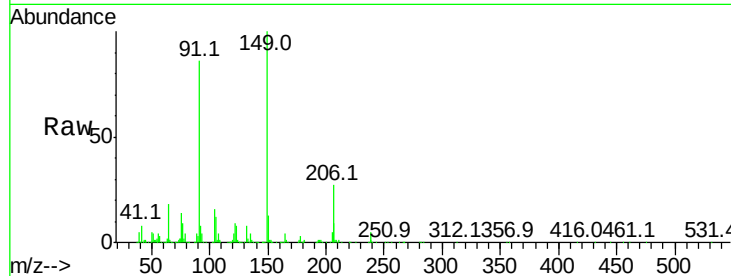
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	149	Resp:	273367
Ion Ratio	Lower	Upper	
149	100		
91	85.6	62.2	93.2
206	26.7	18.6	27.8

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#80

Benzo(a)anthracene

Concen: 19.893 ng

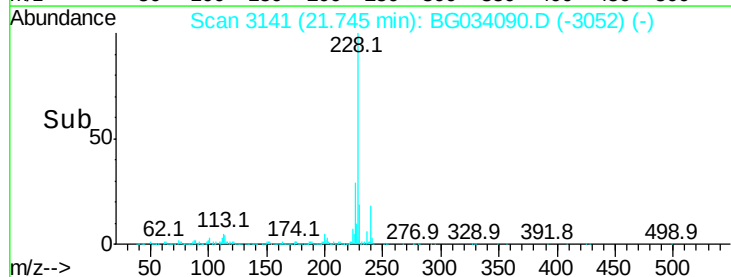
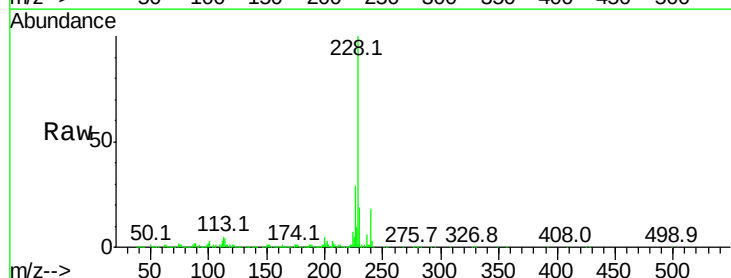
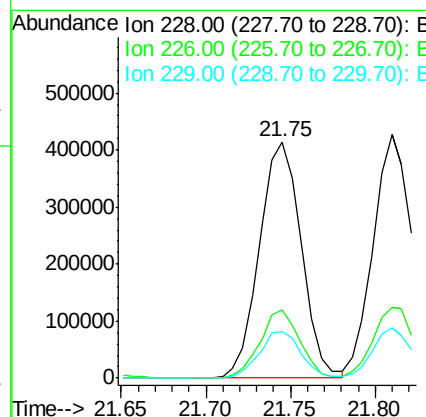
RT: 21.75 min Scan# 3141

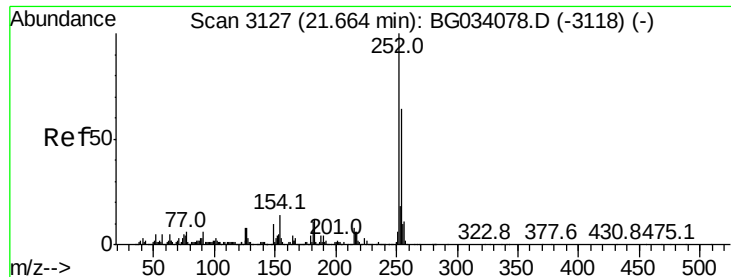
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	228	Resp:	713713
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.7	34.1
229	19.5	16.2	24.2





#81

3,3'-Dichlorobenzidine

Concen: 19.985 ng

RT: 21.66 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

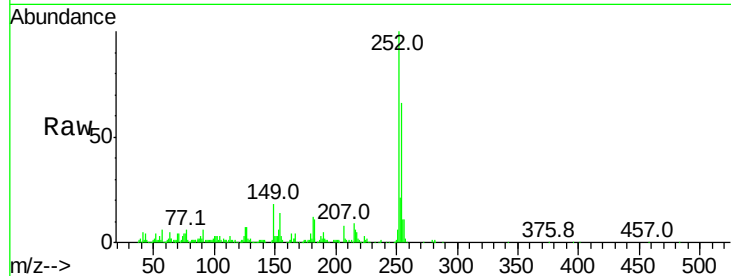
ClientSampleId :

LOQ-SOIL-02-QT2-2018

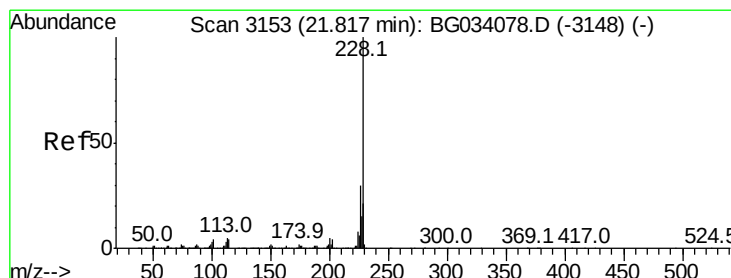
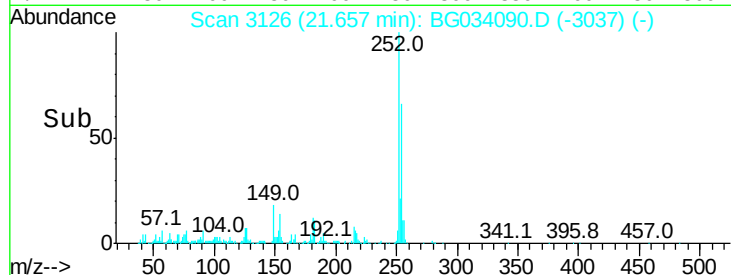
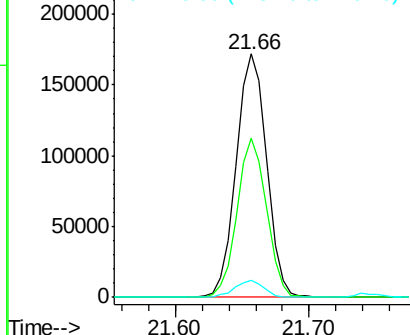
Tot Ion:	252	Resp:	271150
Ion Ratio		Lower	Upper
252	100		
254	65.5	50.8	76.2
126	7.2	7.4	11.2#

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



#82

Chrysene

Concen: 19.995 ng

RT: 21.81 min Scan# 3152

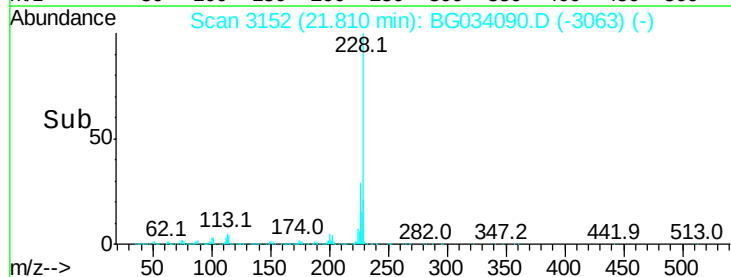
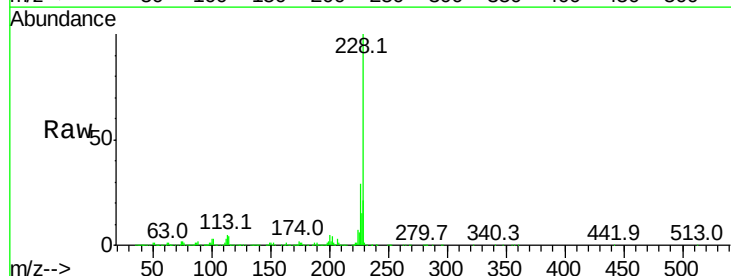
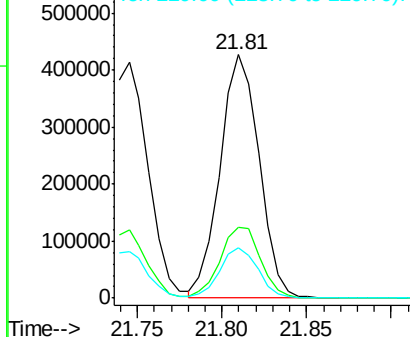
Delta R.T. -0.01 min

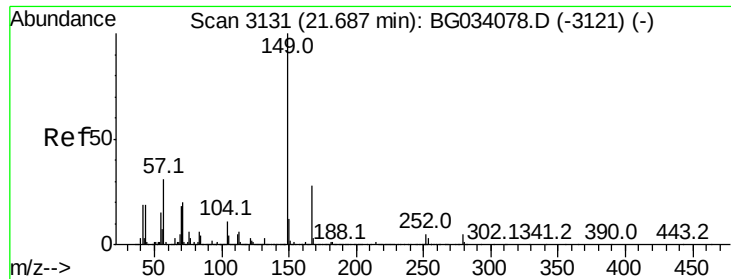
Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	228	Resp:	686652
Ion Ratio		Lower	Upper
228	100		
226	29.2	24.9	37.3
229	20.7	15.0	22.4

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





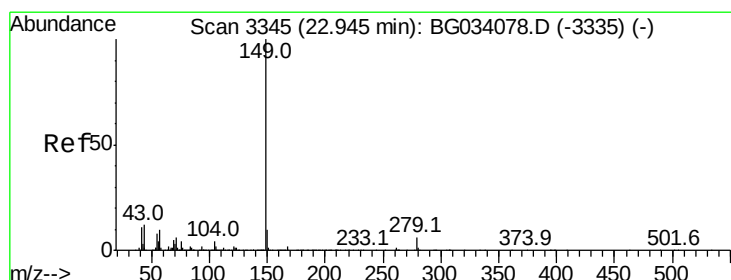
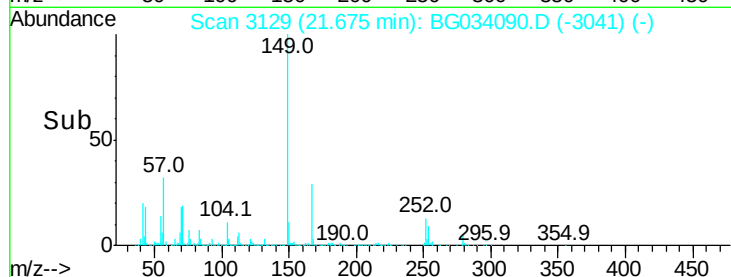
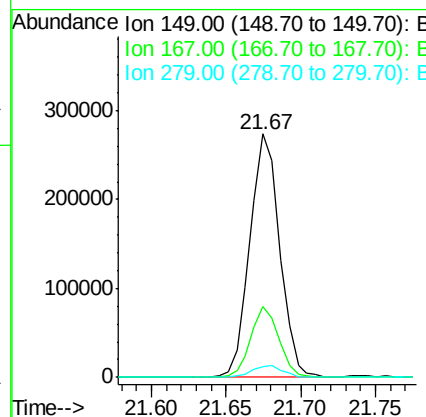
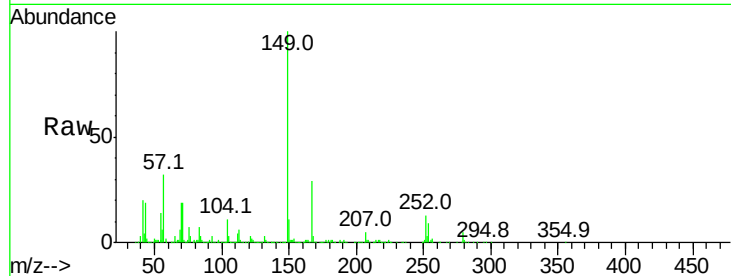
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.035 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.3	36.5
279	4.5	4.0	6.0

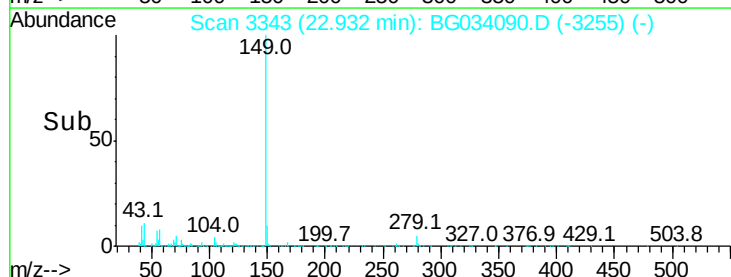
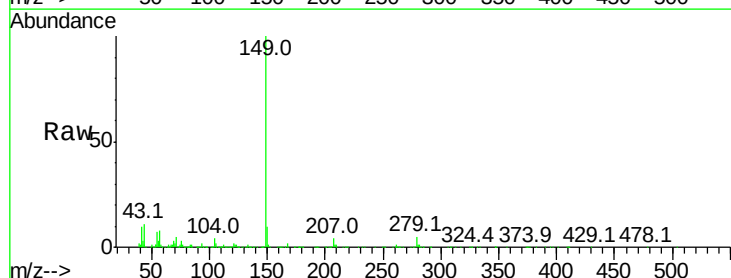
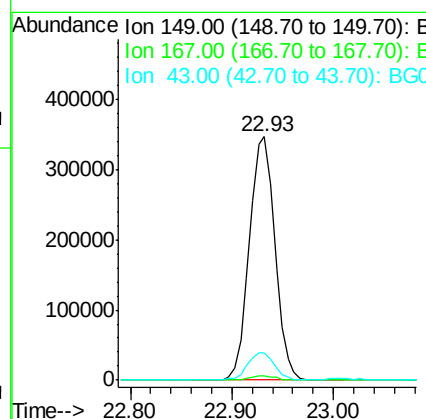
Manual Integrations
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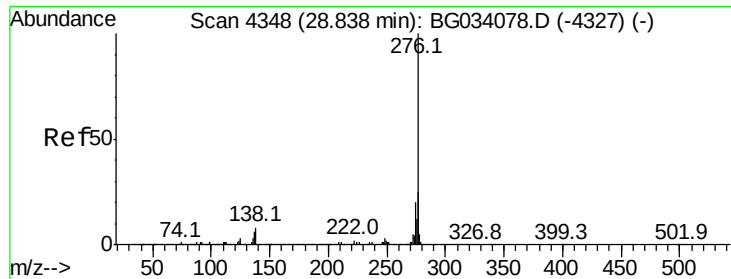
Sohil
 5/2/2018 4:50:46 PM



#84
 Di-n-octyl phthalate
 Concen: 20.238 ng
 RT: 22.93 min Scan# 3343
 Delta R.T. -0.01 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	11.6	8.9	13.3





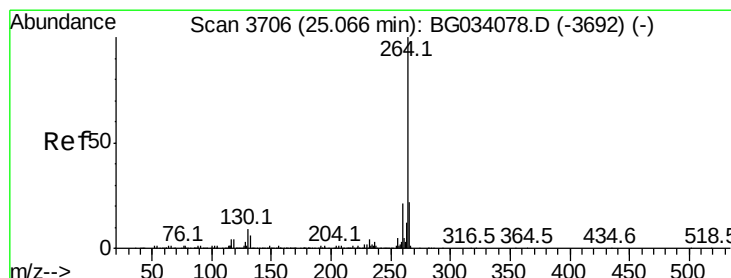
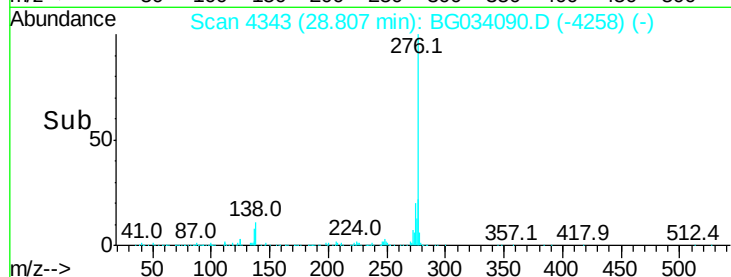
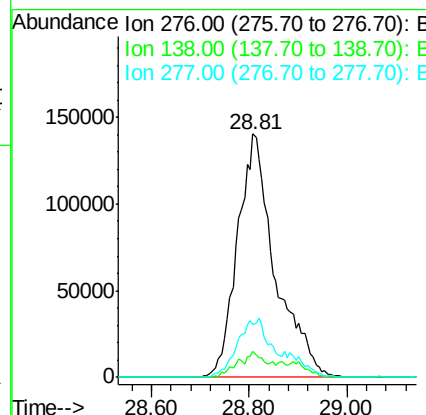
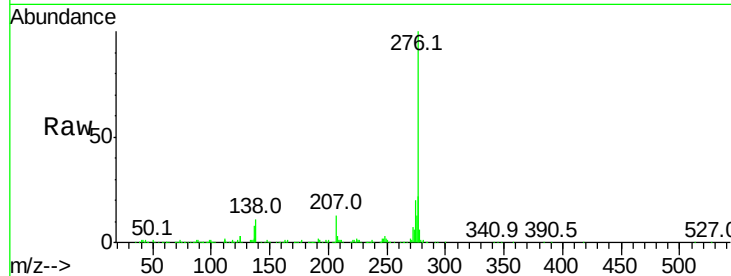
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.917 ng
RT: 28.81 min Scan# 4343
Delta R.T. -0.03 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
276	100	752694		
138	8.2	16.0	24.0#	
277	10.8	20.0	30.0#	

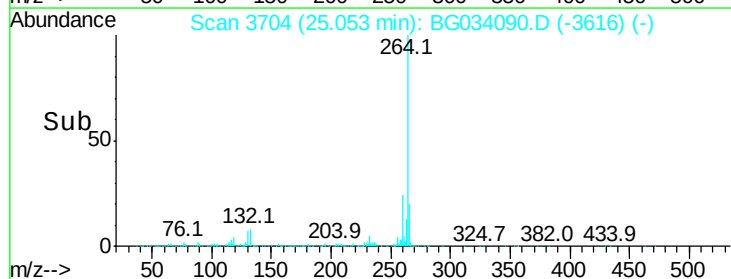
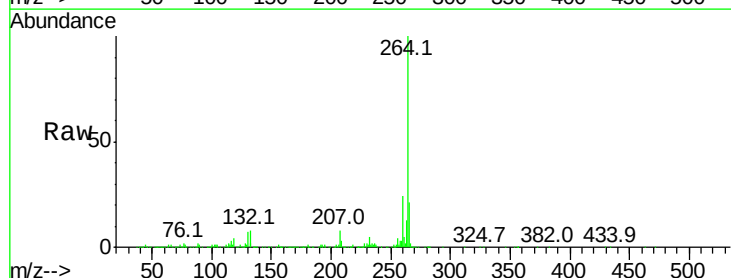
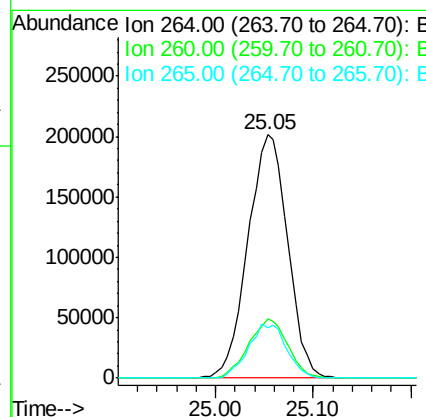
Manual Integrations
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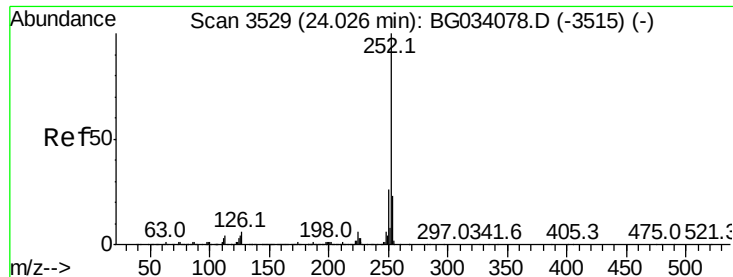
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG034090.D
Acq: 1 May 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	575061		
260	24.2	17.4	26.0	
265	20.6	17.7	26.5	





#87

Benzo(b)fluoranthene

Concen: 19.736 ng

RT: 24.01 min Scan# 3527

Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

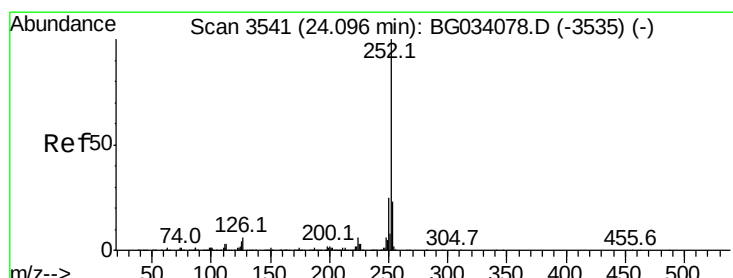
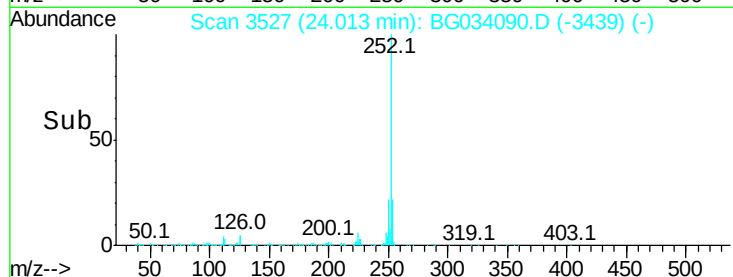
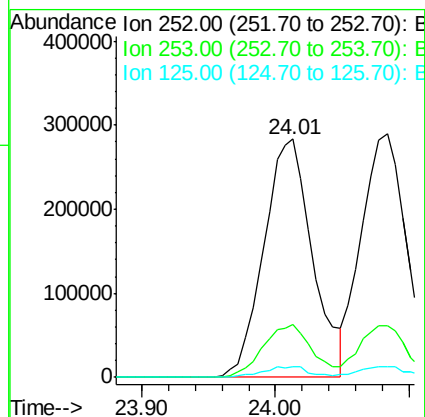
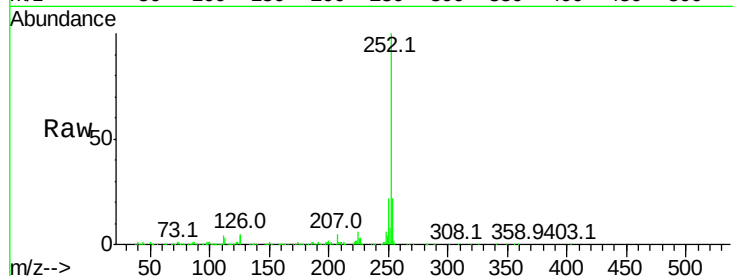
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	252	Resp:	716931
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.4
125	4.3	7.2	10.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 19.323 ng

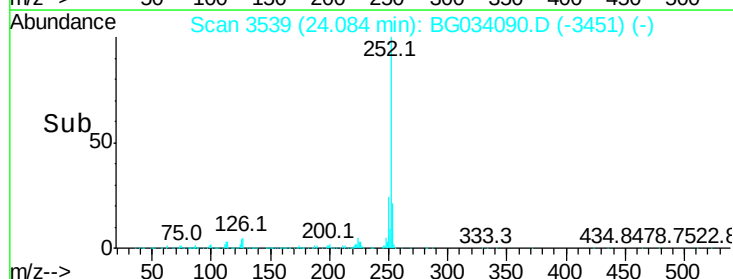
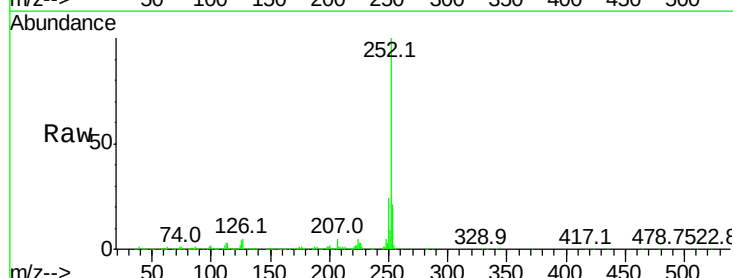
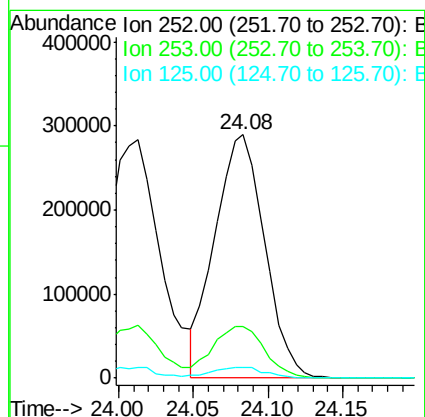
RT: 24.08 min Scan# 3539

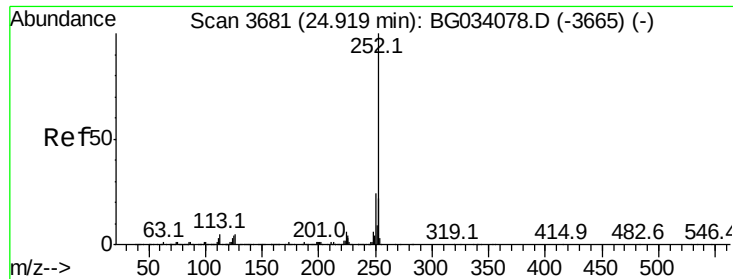
Delta R.T. -0.01 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	252	Resp:	670869
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.4	26.2
125	4.3	6.6	9.8#





#89

Benzo(a)pyrene

Concen: 19.641 ng

RT: 24.90 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Instrument :

BNA_G

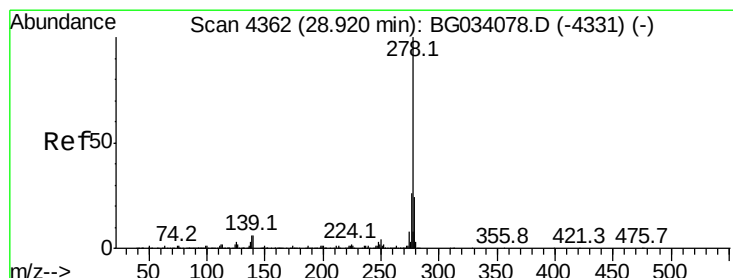
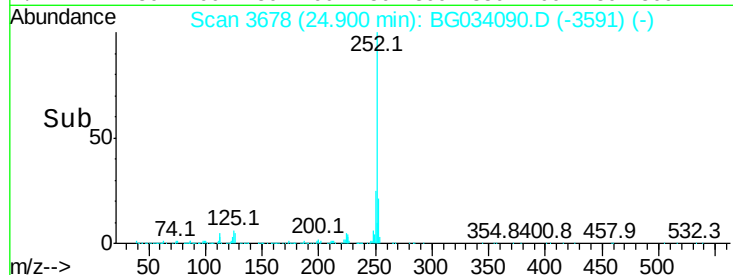
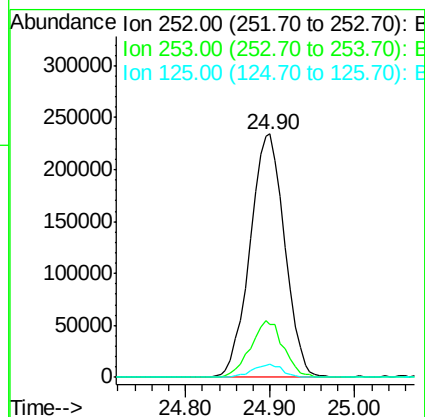
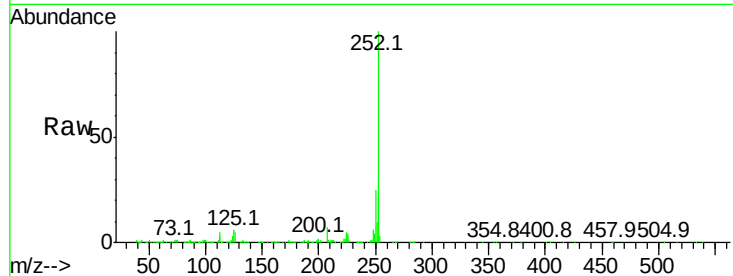
ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:	252	Resp:	667504
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.3	27.5
125	5.6	7.3	10.9#

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#90

Dibenzo(a,h)anthracene

Concen: 19.858 ng

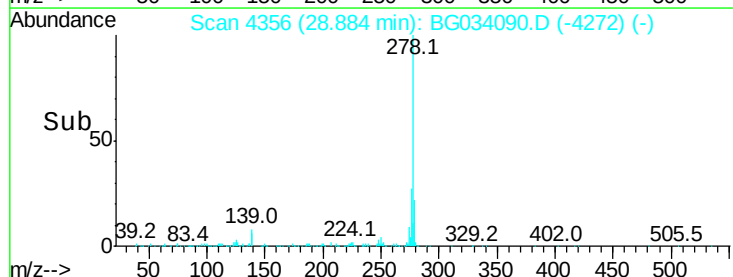
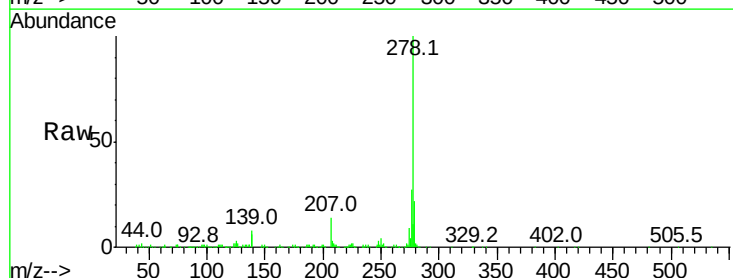
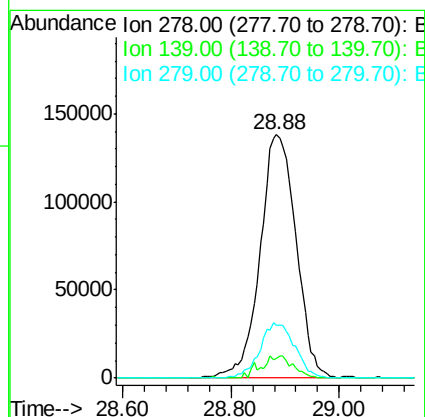
RT: 28.88 min Scan# 4356

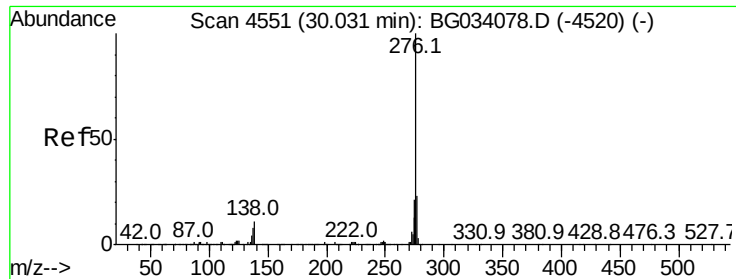
Delta R.T. -0.04 min

Lab File: BG034090.D

Acq: 1 May 2018 22:24

Tgt Ion:	278	Resp:	636164
Ion Ratio	Lower	Upper	
278	100		
139	8.1	9.8	14.6#
279	21.8	18.4	27.6





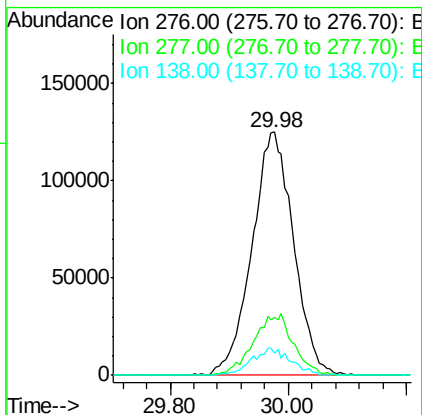
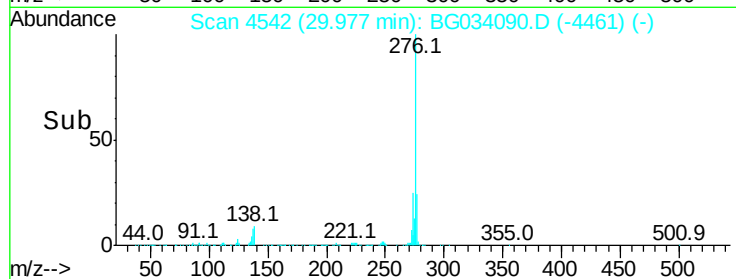
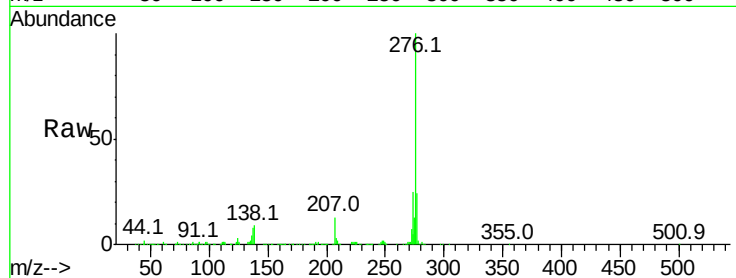
#91
 Benzo(a,h,i)perylene
 Concen: 19.305 ng
 RT: 29.98 min Scan# 4542
 Delta R.T. -0.05 min
 Lab File: BG034090.D
 Acq: 1 May 2018 22:24

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion:	276	Resp:	609575
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.3	27.5
138	9.0	13.9	20.9

Manual Integrations
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Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034090.D
 Acq On : 1 May 2018 22:24
 Operator : SJ/JU
 Sample : J2133-02
 Misc : 20PPM L00
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Manual Integrations
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 5/2/2018 4:50:46 PM

Quant Time: May 02 05:56:21 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	58743	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	242289	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	194039	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	521162	20.00	ng	0.00
75) Chrysene-d12	21.76	240	559835	20.00	ng	0.00
86) Perylene-d12	25.05	264	575061	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	450716	123.96	ng	0.00
7) Phenol-d6	7.22	99	706882	124.88	ng	0.00
23) Nitrobenzene-d5	9.24	82	540097	85.53	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	347473	129.32	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1133912	85.15	ng	0.00
78) Terphenyl-d14	20.09	244	2129682	83.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	30842	20.200	ng	# 83
3) Pyridine	3.95	79	95936	20.026	ng	# 86
4) n-Nitrosodimethylamine	3.86	42	52702	20.176	ng	# 71
6) Aniline	7.40	93	150474	19.545	ng	94
8) 2-Chlorophenol	7.64	128	71997	19.844	ng	96
9) Benzaldehyde	7.21	77	61074	15.820	ng	93
10) Phenol	7.25	94	114444	20.046	ng	85
11) bis(2-Chloroethyl)ether	7.49	93	92686	20.622	ng	92
12) 1,3-Dichlorobenzene	7.97	146	90887	19.801	ng	# 89
13) 1,4-Dichlorobenzene	8.11	146	90130m	19.772	ng	
14) 1,2-Dichlorobenzene	8.43	146	85451	19.735	ng	94
15) Benzyl Alcohol	8.31	79	121124	20.059	ng	# 84
16) 2,2'-oxybis(1-Chloropropan	8.61	45	120407	19.471	ng	88
17) 2-Methylphenol	8.51	107	75596	20.123	ng	# 83
18) Hexachloroethane	9.17	117	33956	17.510	ng	94
19) n-Nitroso-di-n-propylamine	8.88	70	100583	19.787	ng	# 96
20) 3+4-Methylphenols	8.83	107	107406	19.305	ng	82
22) Acetophenone	8.90	105	163310	19.788	ng	99
24) Nitrobenzene	9.28	77	141421	20.459	ng	# 80
25) Isophorone	9.80	82	254331	19.743	ng	# 92
26) 2-Nitrophenol	9.99	139	38645	20.196	ng	# 91
27) 2,4-Dimethylphenol	10.05	122	77137	20.794	ng	91
28) bis(2-Chloroethoxy)methane	10.29	93	126100	19.928	ng	98
29) 2,4-Dichlorophenol	10.52	162	84710	19.104	ng	97
30) 1,2,4-Trichlorobenzene	10.75	180	107458	20.126	ng	96
31) Naphthalene	10.95	128	260680	20.469	ng	98
32) Benzoic acid	10.14	122	57774	20.487	ng	# 79
33) 4-Chloroaniline	11.05	127	114479	19.935	ng	# 85
34) Hexachlorobutadiene	11.23	225	91147	20.169	ng	93
35) Caprolactam	11.80	113	32490	20.628	ng	94
36) 4-Chloro-3-methylphenol	12.15	107	110053	19.141	ng	92
37) 2-Methylnaphthalene	12.55	142	207182	20.064	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	146012	19.446	ng	98
40) Hexachlorocyclopentadiene	12.90	237	85074	19.122	ng	85

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034090.D
 Acq On : 1 May 2018 22:24
 Operator : SJ/JU
 Sample : J2133-02
 Misc : 20PPM L00
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Manual Integrations
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Sohil
 5/2/2018 4:50:46 PM

Quant Time: May 02 05:56:21 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.14	196	86314	19.785	nq	92
43) 2,4,5-Trichlorophenol	13.21	196	100482	20.835	nq	94
45) 1,1'-Biphenyl	13.55	154	305877	20.179	nq	96
46) 2-Chloronaphthalene	13.60	162	226126	19.704	nq	94
47) 2-Nitroaniline	13.79	65	92305	20.118	nq	# 78
48) Acenaphthylene	14.44	152	361991	19.757	nq	97
49) Dimethylphthalate	14.17	163	343041	20.388	nq	99
50) 2,6-Dinitrotoluene	14.28	165	65630	20.309	nq	# 81
51) Acenaphthene	14.78	154	253350	20.345	nq	97
52) 3-Nitroaniline	14.61	138	69831	21.439	nq	# 88
53) 2,4-Dinitrophenol	14.81	184	24560	19.427	nq	# 83
54) Dibenzofuran	15.12	168	361724	20.037	nq	# 90
55) 4-Nitrophenol	14.91	139	49442	19.887	nq	# 71
56) 2,4-Dinitrotoluene	15.07	165	92377	21.053	nq	91
57) Fluorene	15.77	166	314209	19.969	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.33	232	94484	18.938	nq	96
59) Diethylphthalate	15.54	149	349927	19.653	nq	95
60) 4-Chlorophenyl-phenylether	15.76	204	193427	20.663	nq	99
61) 4-Nitroaniline	15.77	138	69737	20.184	nq	# 48
62) Azobenzene	16.06	77	384311	19.981	nq	92
64) 4,6-Dinitro-2-methylphenol	15.83	198	43845	17.893	nq	92
65) n-Nitrosodiphenylamine	15.98	169	280915	19.768	nq	98
66) 4-Bromophenyl-phenylether	16.66	248	118476	18.310	nq	98
67) Hexachlorobenzene	16.77	284	130382	19.850	nq	94
68) Atrazine	16.92	200	85626	11.443	nq	92
69) Pentachlorophenol	17.11	266	84680	18.497	nq	96
70) Phenanthrene	17.51	178	532445	19.882	nq	99
71) Anthracene	17.60	178	535718	19.738	nq	96
72) Carbazole	17.87	167	489041	19.683	nq	98
73) Di-n-butylphthalate	18.44	149	585731	19.586	nq	# 96
74) Fluoranthene	19.52	202	677978	20.035	nq	97
76) Benzidine	19.70	184	248853	17.256	nq	96
77) Pyrene	19.88	202	698018	19.901	nq	98
79) Butylbenzylphthalate	20.79	149	273367	19.965	nq	91
80) Benzo(a)anthracene	21.75	228	713713	19.893	nq	99
81) 3,3'-Dichlorobenzidine	21.66	252	271150	19.985	nq	# 97
82) Chrysene	21.81	228	686652	19.995	nq	96
83) Bis(2-ethylhexyl)phthalate	21.67	149	377553	20.035	nq	98
84) Di-n-octyl phthalate	22.93	149	609143	20.238	nq	99
85) Indeno(1,2,3-cd)pyrene	28.81	276	752694	19.917	nq	# 73
87) Benzo(b)fluoranthene	24.01	252	716931	19.736	nq	# 95
88) Benzo(k)fluoranthene	24.08	252	670869	19.323	nq	# 96
89) Benzo(a)pyrene	24.90	252	667504	19.641	nq	# 95
90) Dibenzo(a,h)anthracene	28.88	278	636164	19.858	nq	# 95
91) Benzo(g,h,i)perylene	29.98	276	609575	19.305	nq	# 90

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