

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035848.D
 Acq On : 24 Jul 2018 15:23
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
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 7/25/2018 6:34:52 PM

Quant Time: Jul 25 17:20:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	35214	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	127433	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	92174	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	253585	20.00	ng	0.00
75) Chrysene-d12	21.66	240	297294	20.00	ng	0.00
86) Perylene-d12	24.85	264	276242	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	266521	125.66	ng	0.00
7) Phenol-d6	7.19	99	367843	116.24	ng	0.00
23) Nitrobenzene-d5	9.19	82	260305	85.33	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	167806	138.12	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	617219	89.71	ng	0.00
78) Terphenyl-d14	20.00	244	1395773	103.49	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.35	93	2134	0.520	ng	91
8) 2-Chlorophenol	7.60	128	2011	0.932	ng	79
9) Benzaldehyde	7.18	77	2737	1.410	ng	# 53
10) Phenol	7.23	94	2880	0.901	ng	# 32
11) bis(2-Chloroethyl)ether	7.45	93	1928	0.770	ng	78
12) 1,3-Dichlorobenzene	7.92	146	2420	0.929	ng	# 93
13) 1,4-Dichlorobenzene	8.06	146	2641m	0.998	ng	
14) 1,2-Dichlorobenzene	8.39	146	2191	0.862	ng	96
15) Benzyl Alcohol	8.29	79	1490	0.518	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	8.56	45	2638	1.257	ng	62
18) Hexachloroethane	9.11	117	943	0.932	ng	# 76
24) Nitrobenzene	9.24	77	3594	1.172	ng	# 82
31) Naphthalene	10.88	128	6681	1.006	ng	# 88
34) Hexachlorobutadiene	11.17	225	1974	0.981	ng	# 74
37) 2-Methylnaphthalene	12.49	142	4970	1.005	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	3659	1.052	ng	# 96
45) 1,1'-Biphenyl	13.48	154	7522	1.053	ng	90
46) 2-Chloronaphthalene	13.53	162	5296	0.953	ng	90
47) 2-Nitroaniline	13.77	65	1104m	0.562	ng	
48) Acenaphthylene	14.38	152	8738	0.938	ng	# 89
49) Dimethylphthalate	14.11	163	7235	0.896	ng	98
50) 2,6-Dinitrotoluene	14.23	165	1237	0.752	ng	# 83
51) Acenaphthene	14.72	154	5261	0.907	ng	98
54) Dibenzofuran	15.06	168	9584	1.039	ng	98
57) Fluorene	15.71	166	7096	0.918	ng	# 95
58) 2,3,4,6-Tetrachlorophenol	15.30	232	1653	0.757	ng	# 61
59) Diethylphthalate	15.46	149	7722	0.930	ng	93
62) Azobenzene	15.98	77	6871	0.839	ng	89
65) n-Nitrosodiphenylamine	15.91	169	6362	0.881	ng	90
66) 4-Bromophenyl-phenylether	16.59	248	2701	0.918	ng	94
67) Hexachlorobenzene	16.70	284	2483	0.820	ng	95
68) Atrazine	16.86	200	2438	0.820	ng	79
70) Phenanthrene	17.44	178	12706	1.004	ng	# 88
71) Anthracene	17.53	178	12583	0.999	ng	# 94

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Quant Time: Jul 25 17:20:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	17.82	167	9276	0.775	nq	# 96
73) Di-n-butylphthalate	18.35	149	11248	0.795	nq	99
74) Fluoranthene	19.45	202	16626	0.975	nq	90
77) Pyrene	19.81	202	17058	0.907	nq	# 90
79) Butylbenzylphthalate	20.68	149	5451	0.811	nq	# 93
80) Benzo(a)anthracene	21.64	228	17962	0.970	nq	97
82) Chrysene	21.70	228	18931	1.103	nq	92
83) Bis(2-ethylhexyl)phthalate	21.54	149	8807	0.964	nq	91
84) Di-n-octyl phthalate	22.74	149	13473	0.880	nq	97
85) Indeno(1,2,3-cd)pyrene	28.52	276	13933m	0.733	nq	
87) Benzo(b)fluoranthene	23.84	252	15692	0.935	nq	99
88) Benzo(k)fluoranthene	23.84	252	15692	0.956	nq	99
89) Benzo(a)pyrene	24.70	252	14693	0.941	nq	# 88
90) Dibenzo(a,h)anthracene	28.59	278	11686m	0.762	nq	
91) Benzo(a,h,i)perylene	29.67	276	13115m	0.874	nq	

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

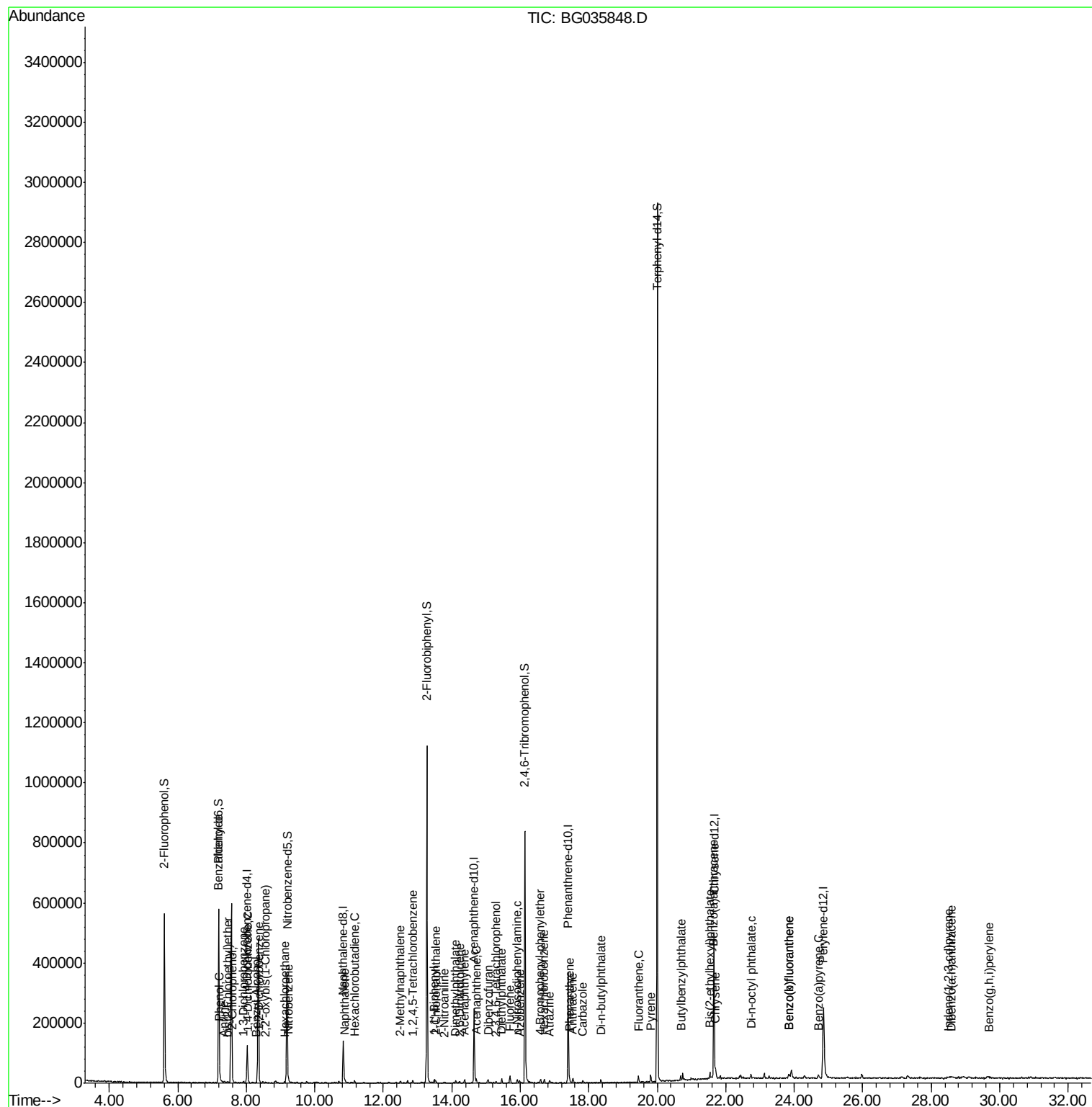
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
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 Operator : JU/SJ
 Sample : J3762-03
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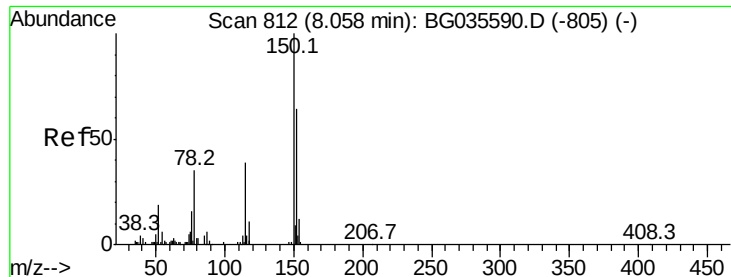
Instrument :
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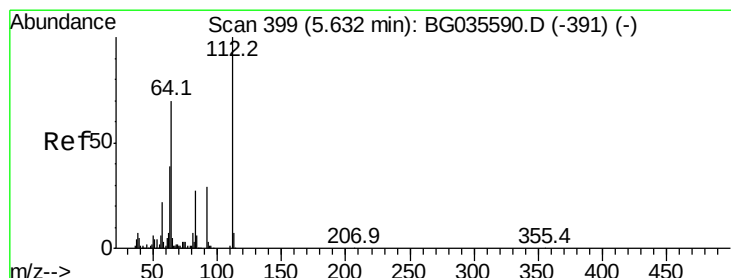
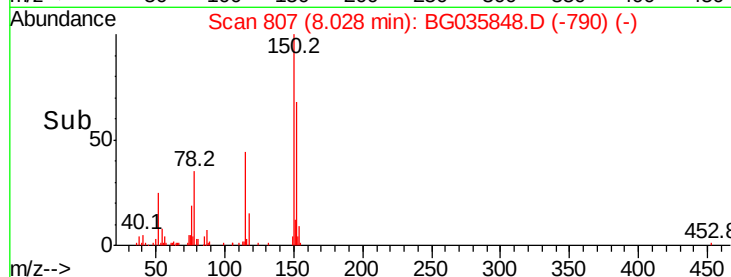
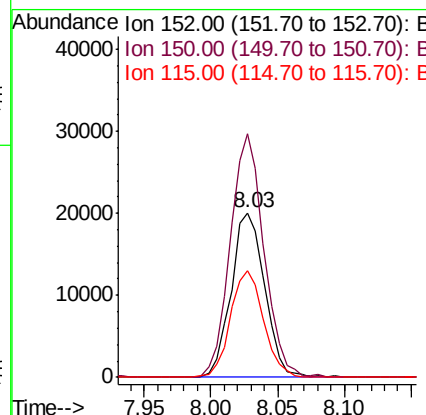
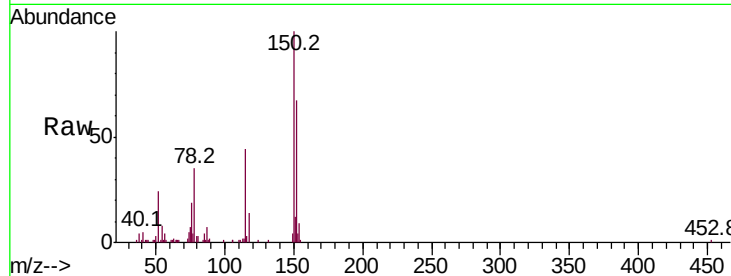
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	126.6	189.8
115	64.7	53.0	79.4

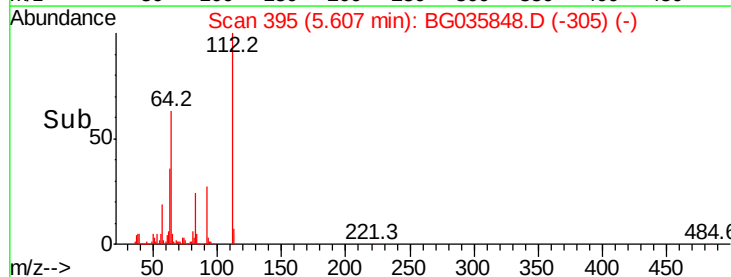
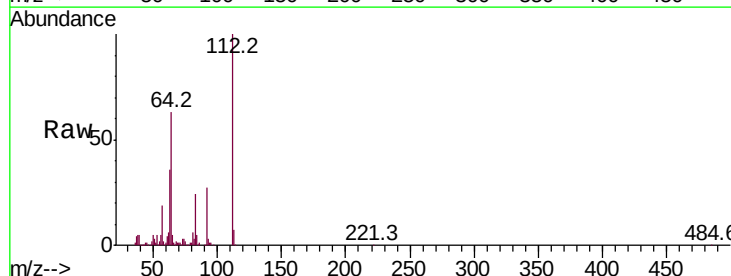
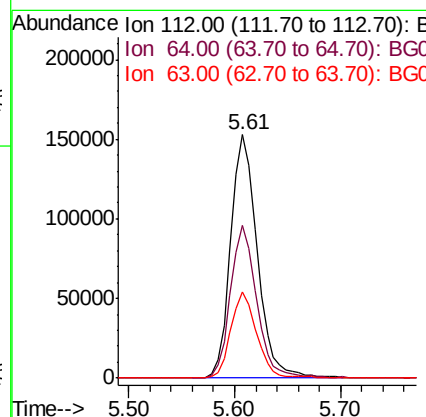
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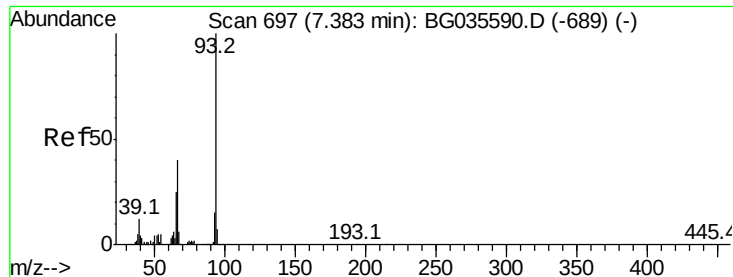
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#5
 2-Fluorophenol
 Concen: 125.657 ng
 RT: 5.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	56.3	84.5
63	35.6	30.1	45.1





#6

Aniline

Concen: 0.520 ng

RT: 7.35 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

ClientSampleId :

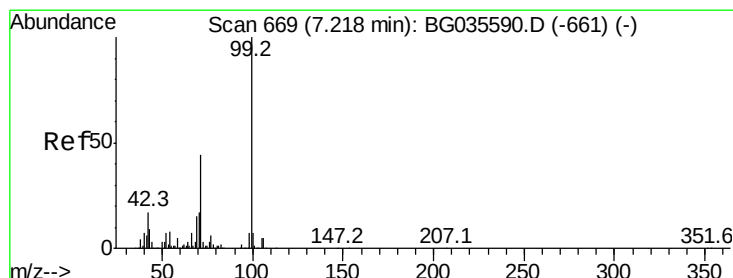
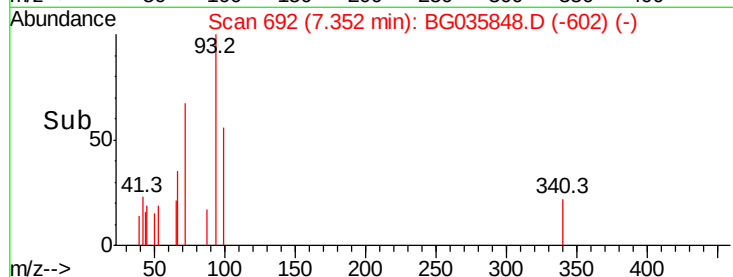
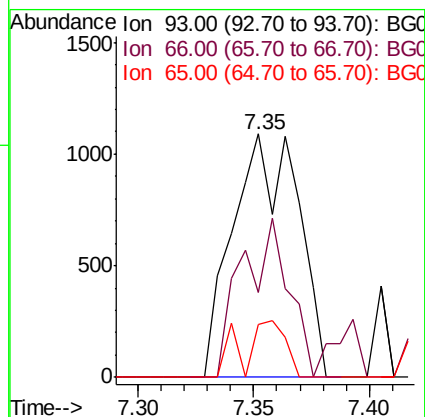
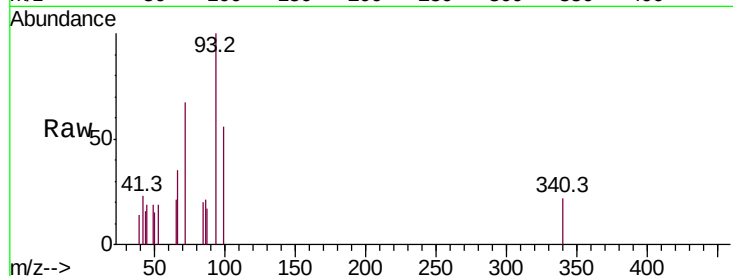
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
66	34.6	33.7	50.5
65	21.4	16.1	24.1

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#7

Phenol-d6

Concen: 116.239 ng

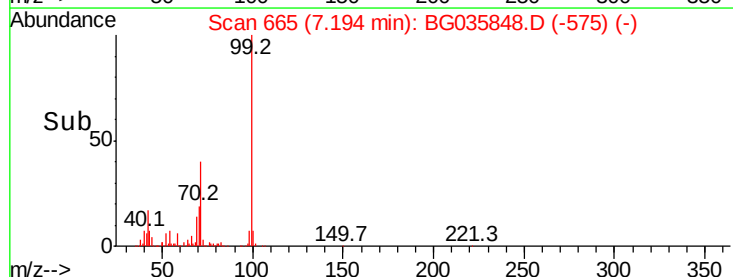
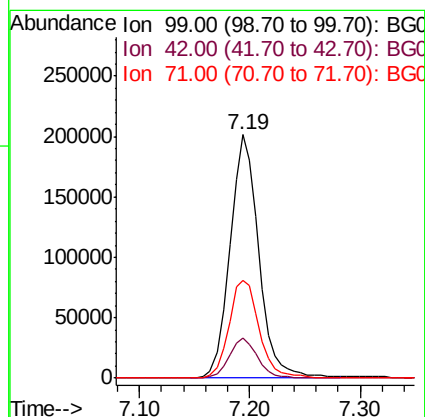
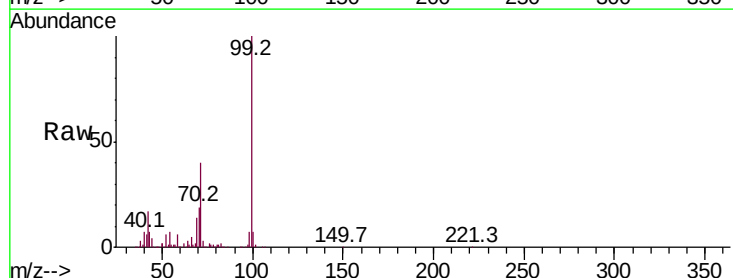
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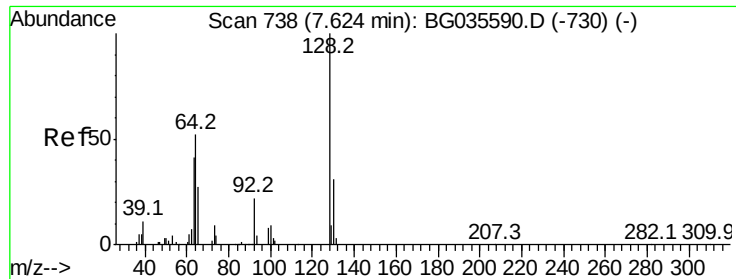
Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.1	21.1
71	40.1	26.1	39.1#





#8

2-Chlorophenol

Concen: 0.932 ng

RT: 7.60 min Scan# 734

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

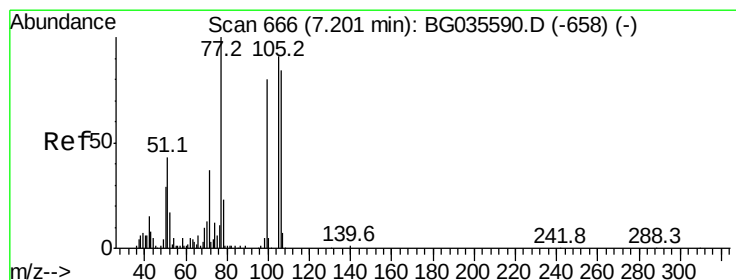
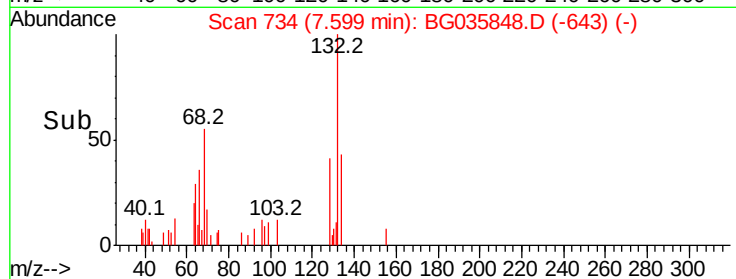
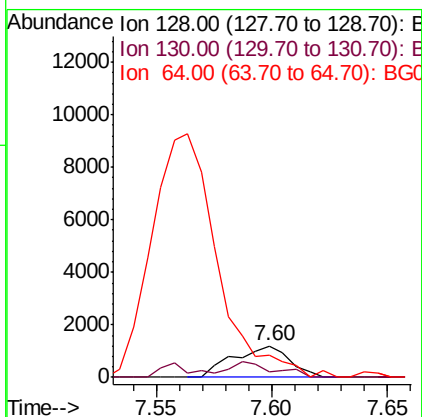
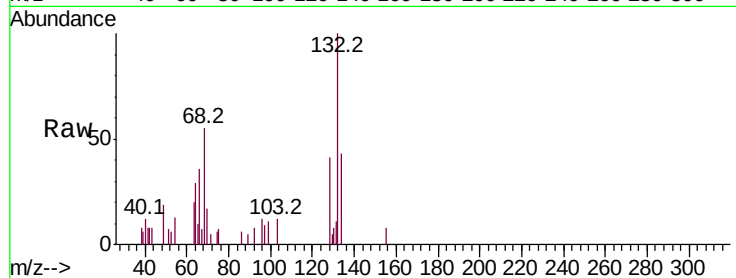
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	128	Resp:	2011
Ion Ratio	Lower	Upper	
128	100		
130	19.0	14.0	54.0
64	71.6	37.7	77.7

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#9

Benzaldehyde

Concen: 1.410 ng

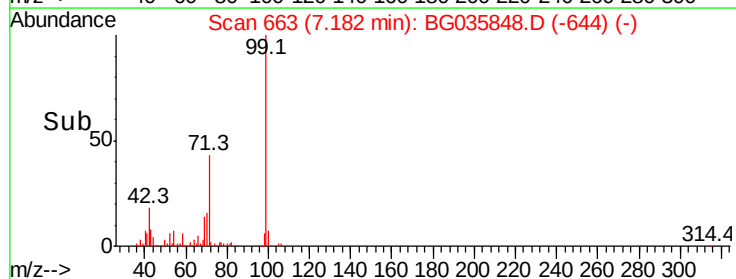
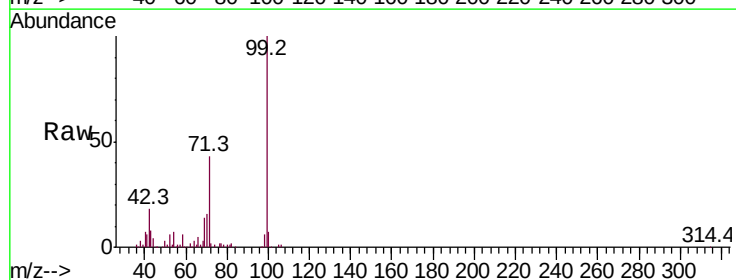
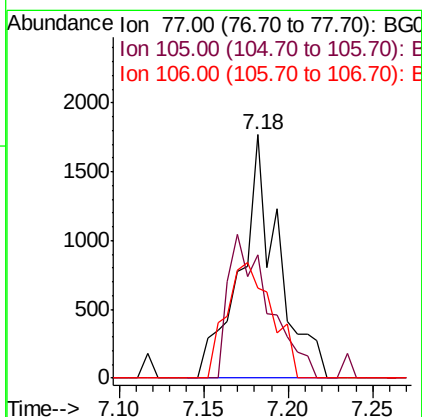
RT: 7.18 min Scan# 663

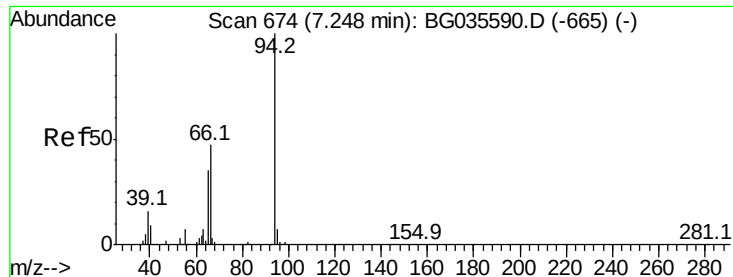
Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	77	Resp:	2737
Ion Ratio	Lower	Upper	
77	100		
105	50.7	71.3	111.3#
106	36.8	64.2	104.2#





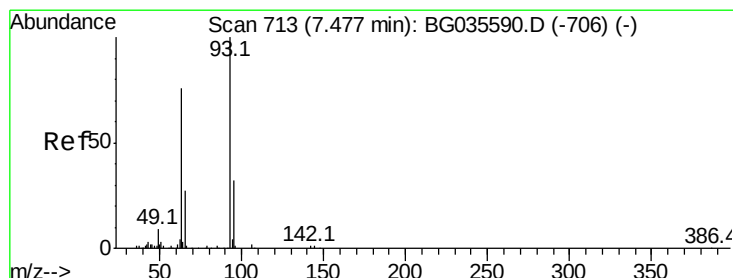
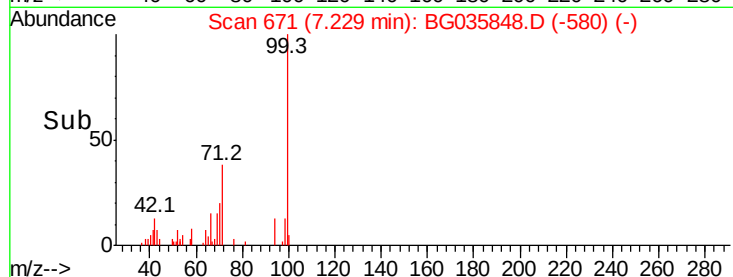
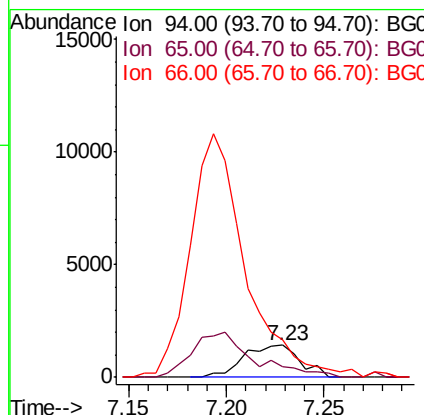
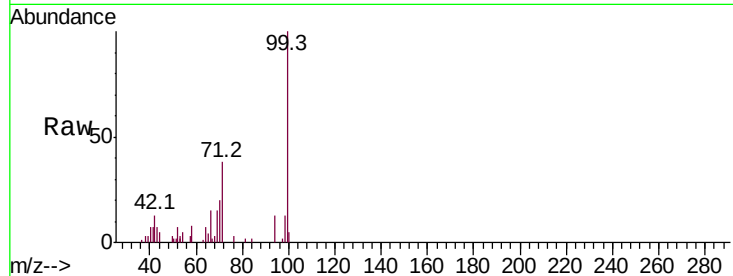
#10
Phenol
Concen: 0.901 ng
RT: 7.23 min Scan# 671
Delta R.T. 0.01 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
94	100		
65	34.4	11.9	51.9
66	115.7	22.2	62.2#

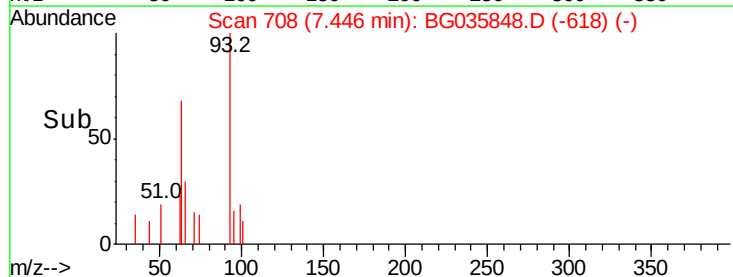
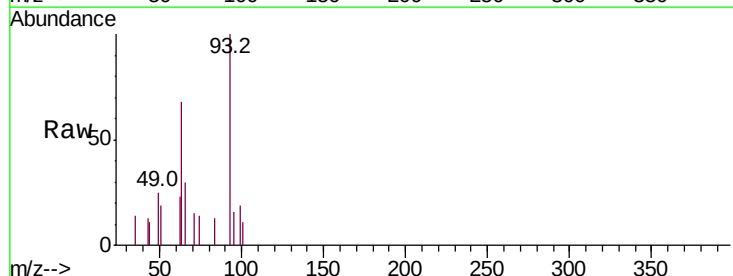
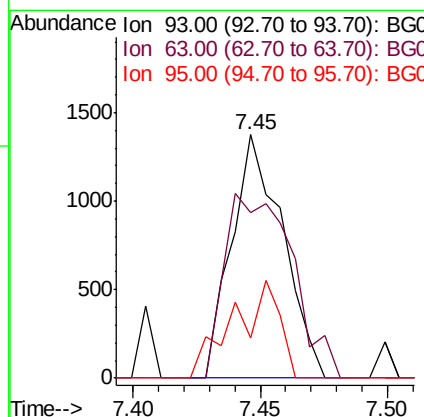
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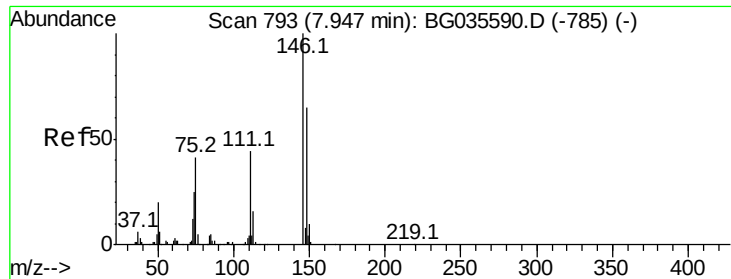
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#11
bis(2-Chloroethyl)ether
Concen: 0.770 ng
RT: 7.45 min Scan# 708
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
93	100		
63	67.9	67.1	107.1
95	16.4	11.5	51.5





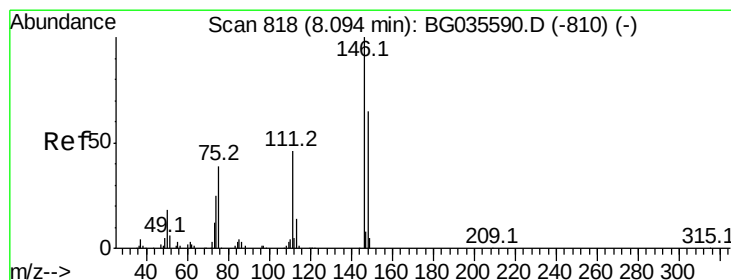
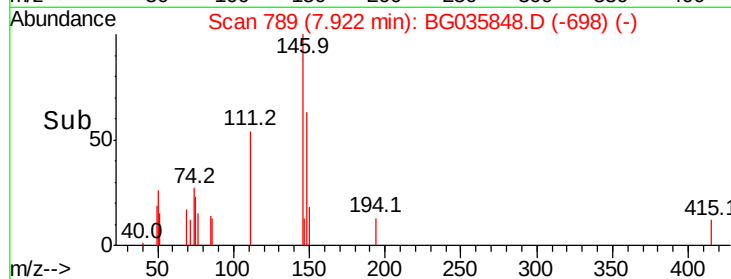
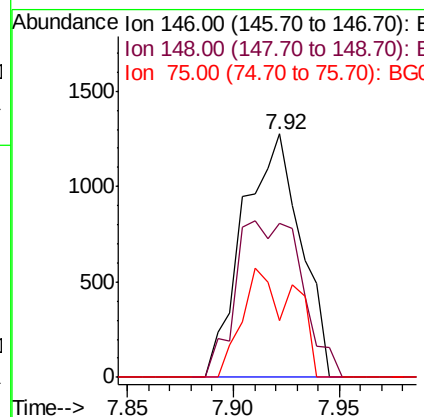
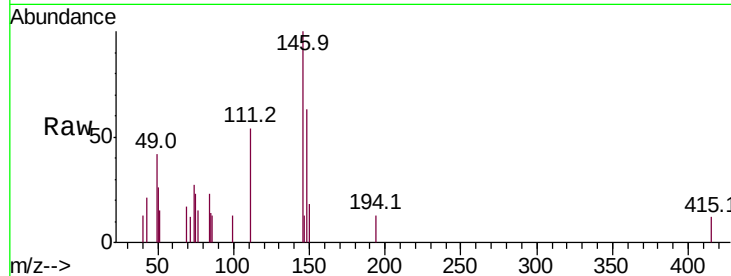
#12
 1,3-Dichlorobenzene
 Concen: 0.929 ng
 RT: 7.92 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.2
75	23.4	26.6	39.8

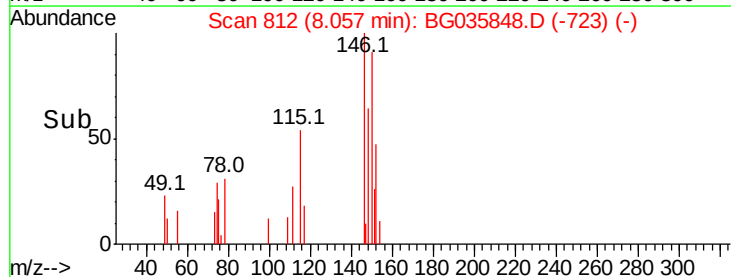
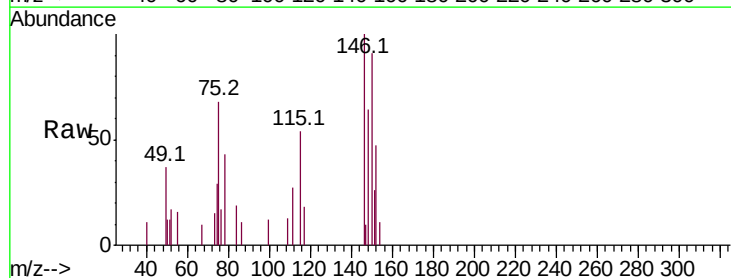
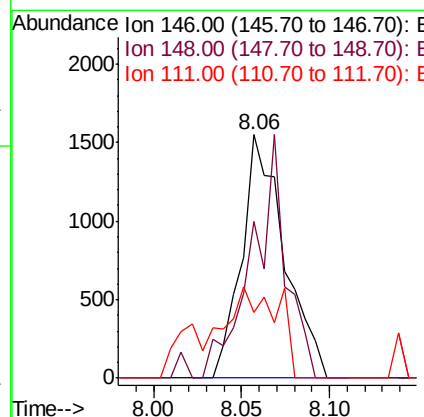
Manual Integrations
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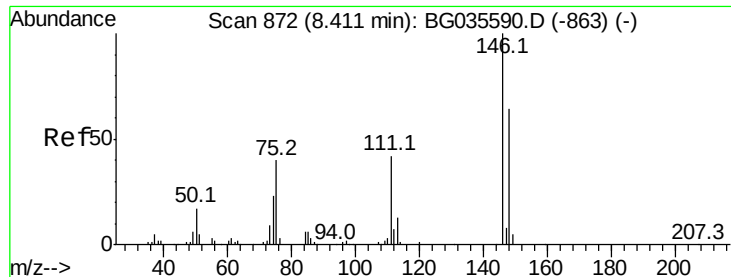
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#13
 1,4-Dichlorobenzene
 Concen: 0.998 ng m
 RT: 8.06 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	53.7	80.5
111	27.2	35.2	52.8





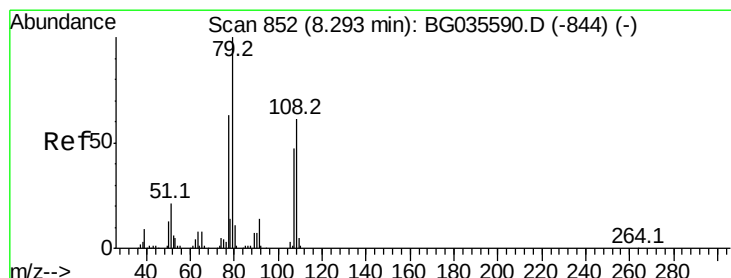
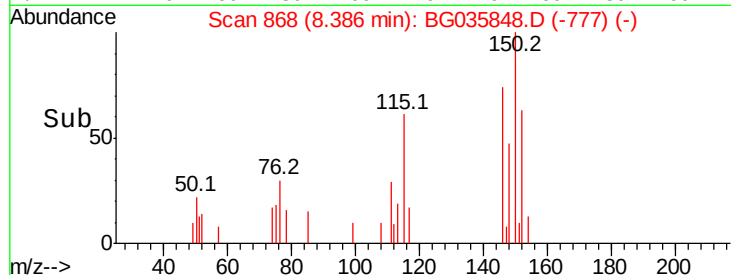
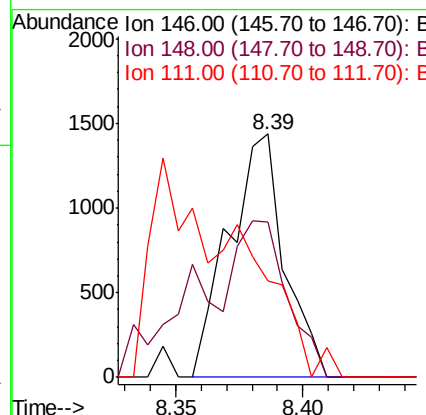
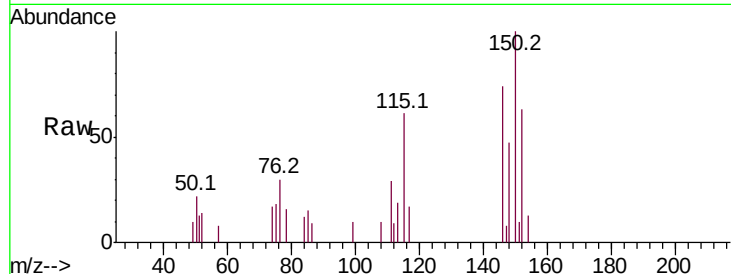
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1,2-Dichlorobenzene
Concen: 0.862 ng
RT: 8.39 min Scan# 868
Delta R.T. 0.01 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.3	73.9
111	39.4	34.3	51.5

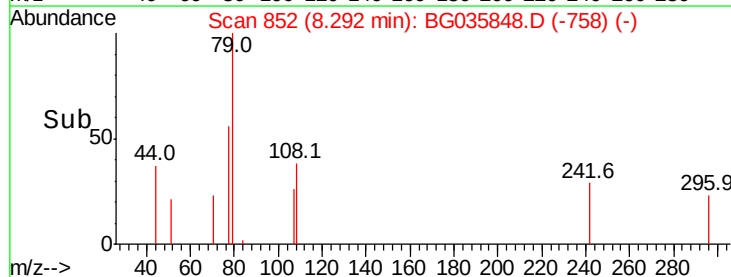
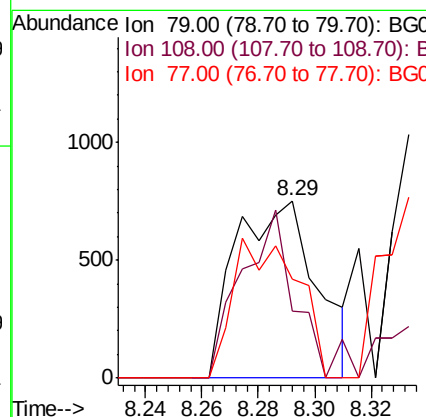
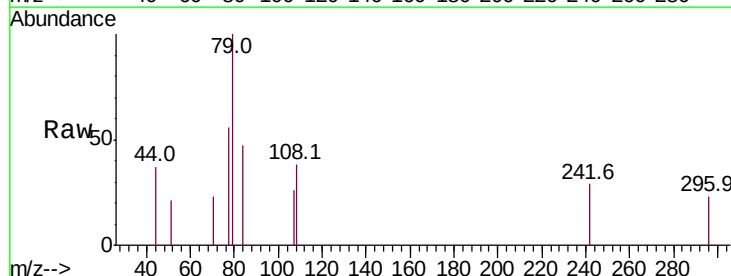
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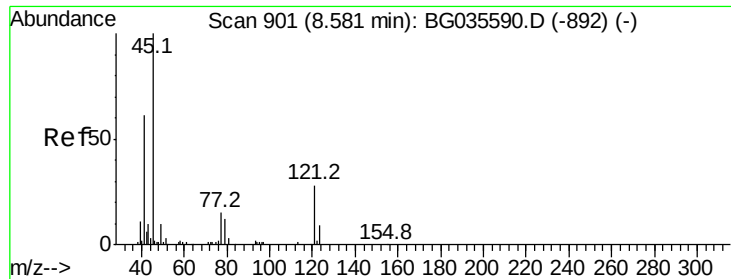
Sohil
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#15
Benzyl Alcohol
Concen: 0.518 ng
RT: 8.29 min Scan# 852
Delta R.T. 0.02 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
79	100		
108	38.1	57.2	85.8#
77	56.1	46.1	69.1





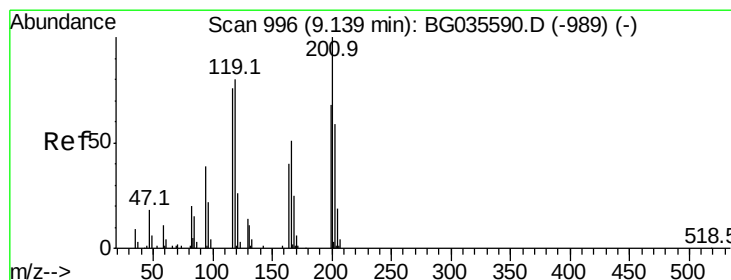
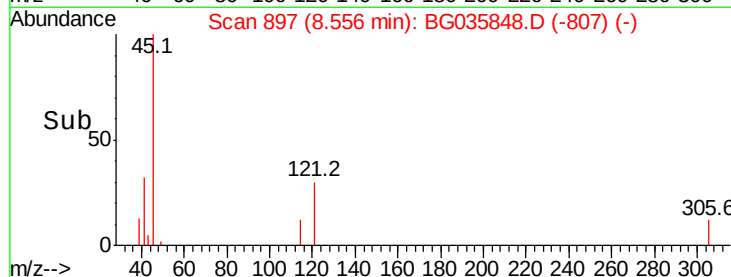
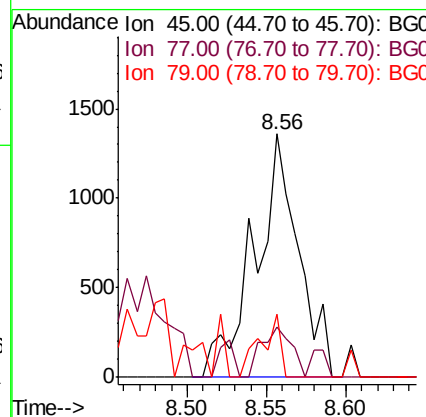
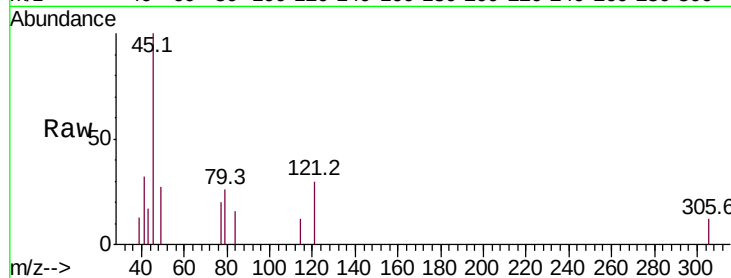
#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 1.257 ng
 RT: 8.56 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
45	100		
77	20.4	0.0	30.2
79	26.0	0.0	27.9

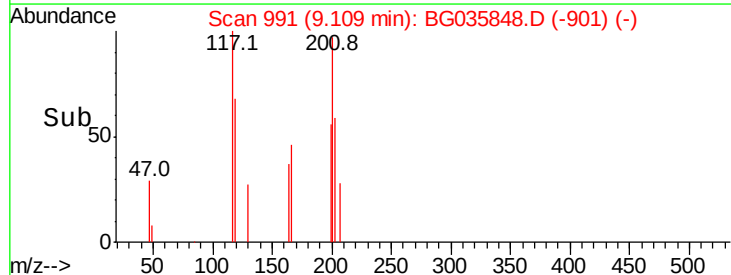
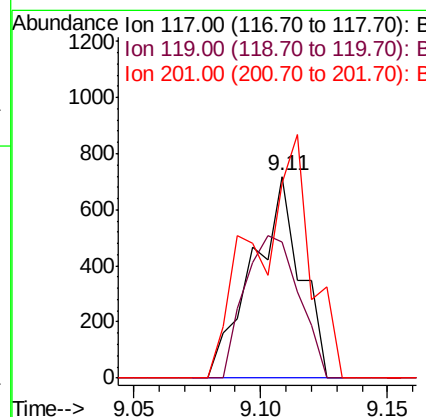
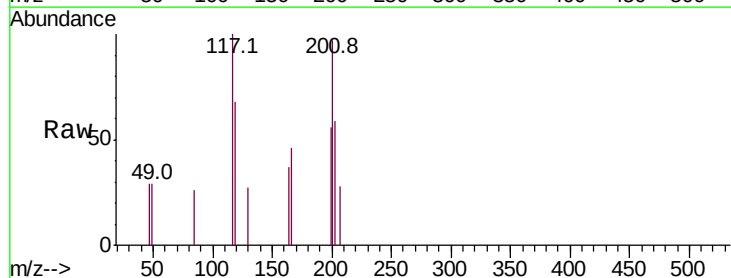
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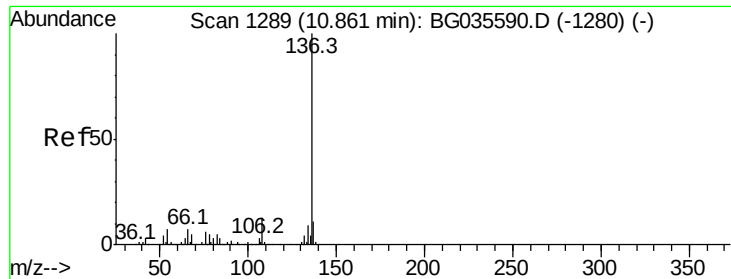
Sohil
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#18
 Hexachloroethane
 Concen: 0.932 ng
 RT: 9.11 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	67.7	76.7	115.1#
201	97.1	95.7	143.5





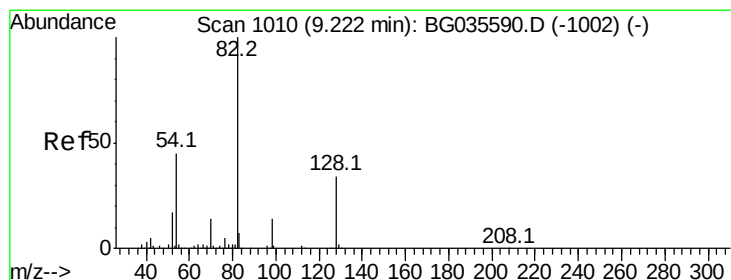
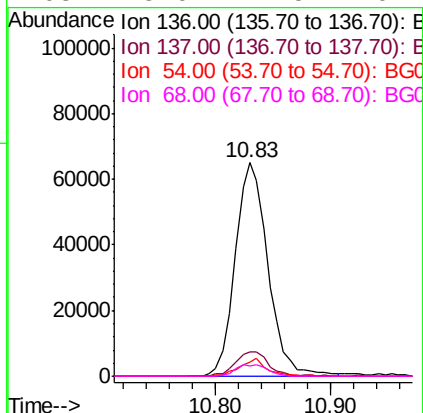
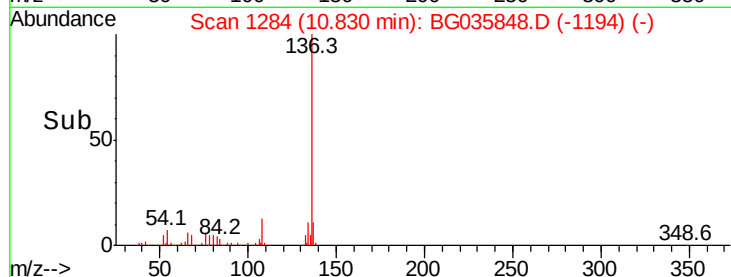
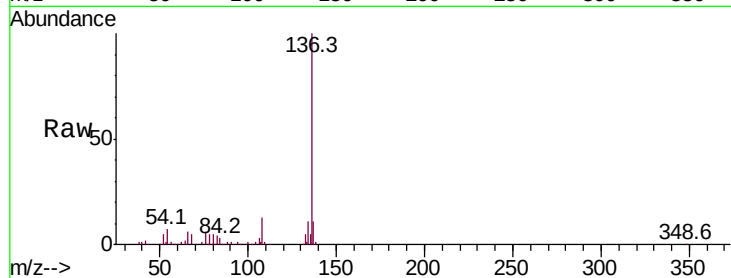
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.8	10.3	15.5#
68	5.0	4.5	6.7

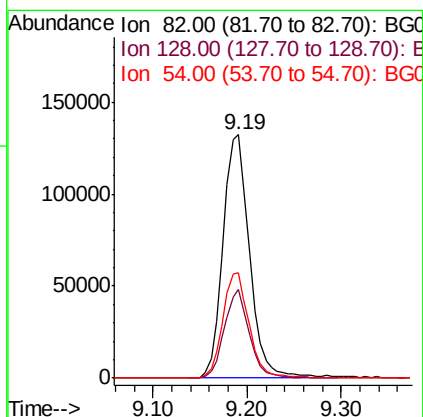
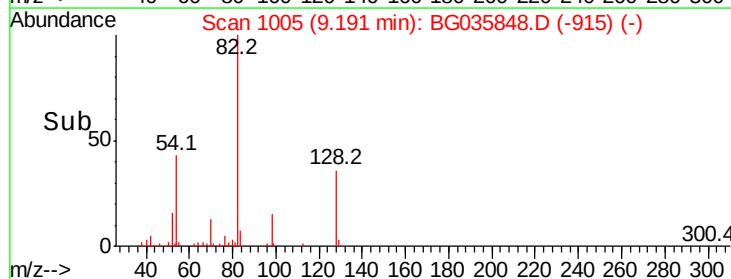
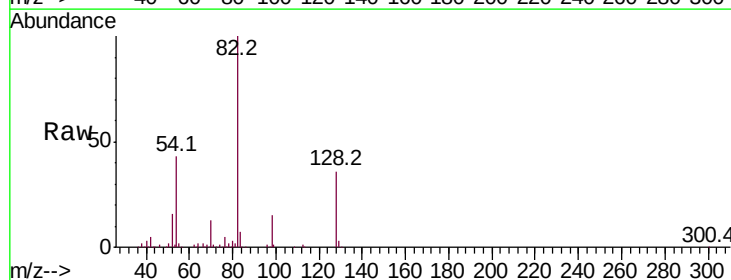
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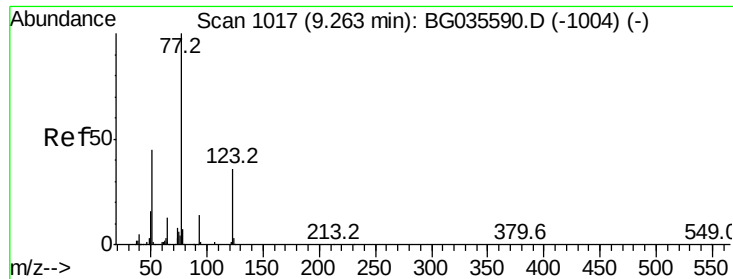
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#23
Nitrobenzene-d5
Concen: 85.332 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.4	29.7	44.5
54	43.0	43.1	64.7#





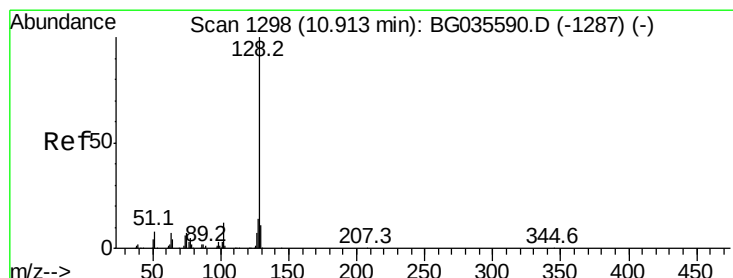
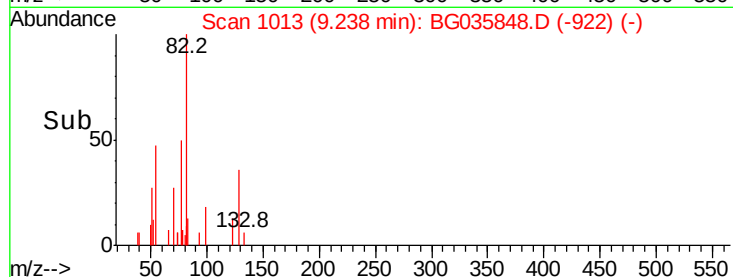
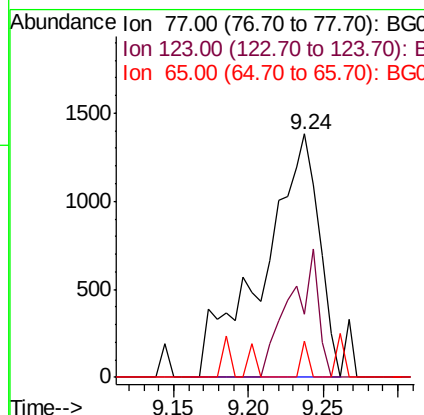
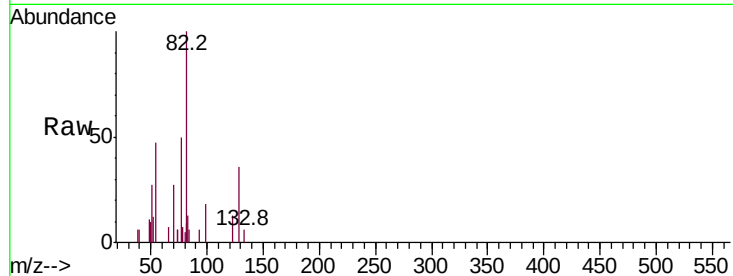
#24
 Nitrobenzene
 Concen: 1.172 ng
 RT: 9.24 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
77	100		
123	26.1	33.0	49.6#
65	15.1	13.0	19.6

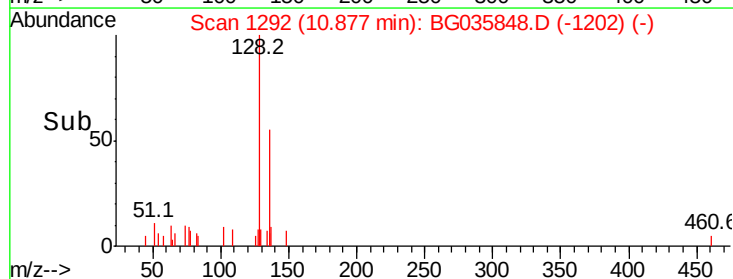
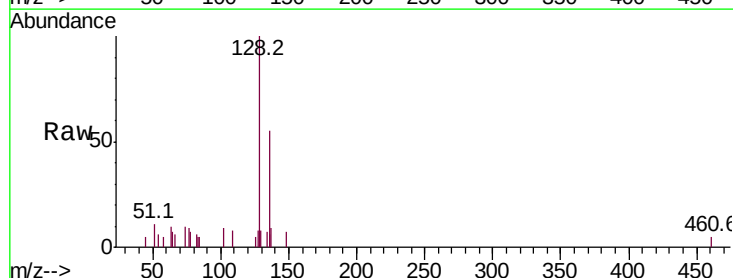
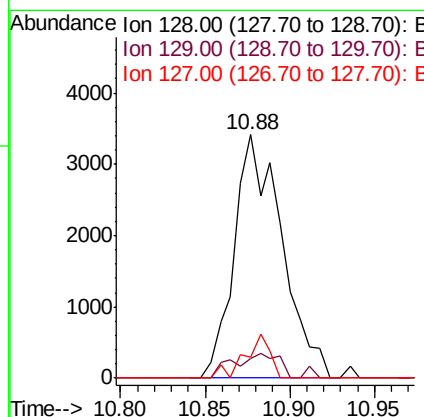
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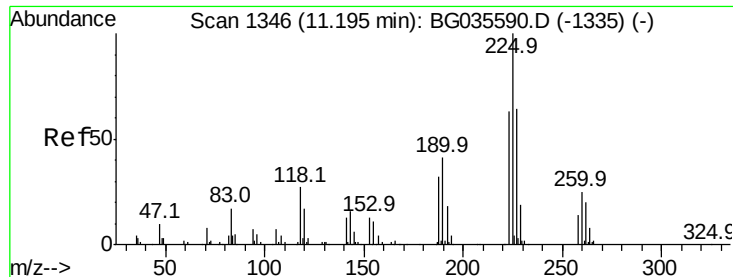
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#31
 Naphthalene
 Concen: 1.006 ng
 RT: 10.88 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.8	8.6	12.8#
127	8.4	11.6	17.4#





#34

Hexachlorobutadiene

Concen: 0.981 ng

RT: 11.17 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

ClientSampleId :

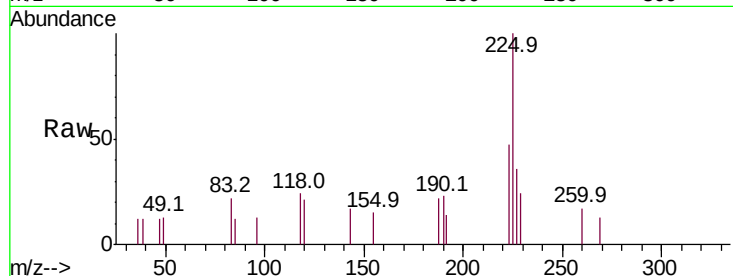
MDL-SOIL-03-QT3-2018

Tot Ion:	225	Resp:	1974
Ion Ratio	Lower	Upper	
225	100		
223	47.2	49.7	74.5#
227	35.5	48.1	72.1#

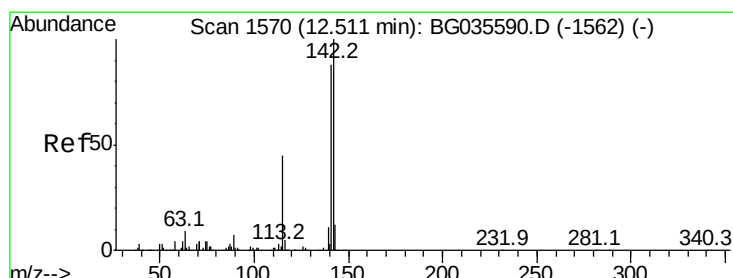
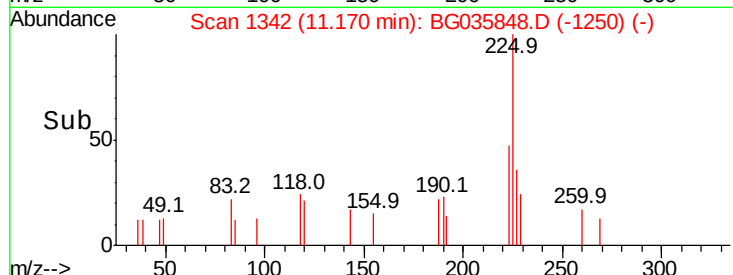
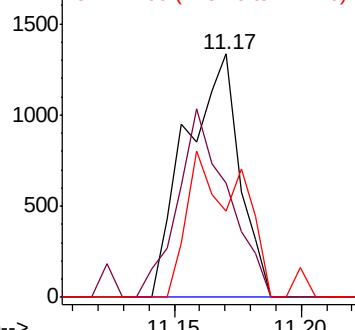
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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 1.005 ng

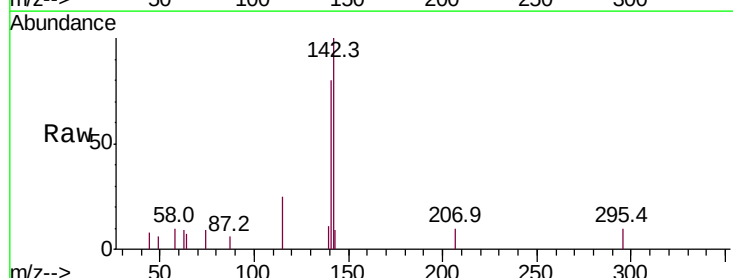
RT: 12.49 min Scan# 1567

Delta R.T. 0.01 min

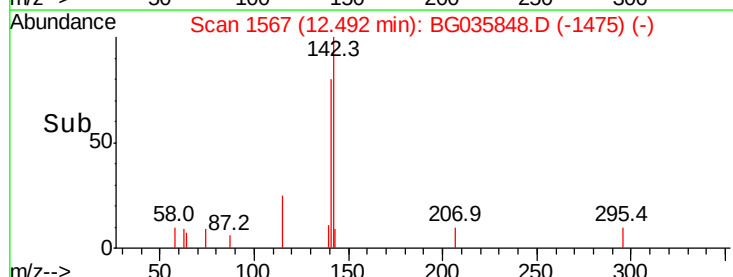
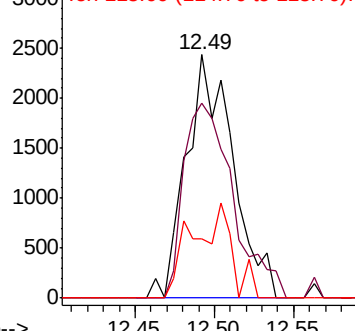
Lab File: BG035848.D

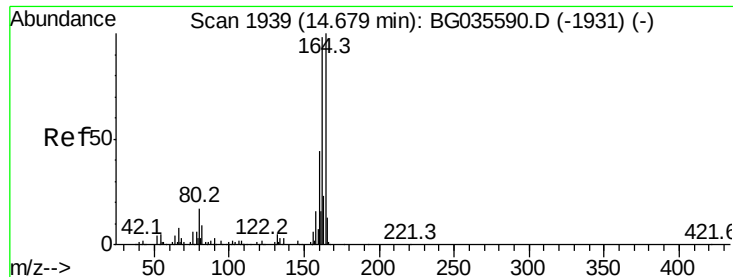
Acq: 24 Jul 2018 15:23

Tgt Ion:	142	Resp:	4970
Ion Ratio	Lower	Upper	
142	100		
141	80.3	67.1	100.7
115	24.6	30.7	46.1#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

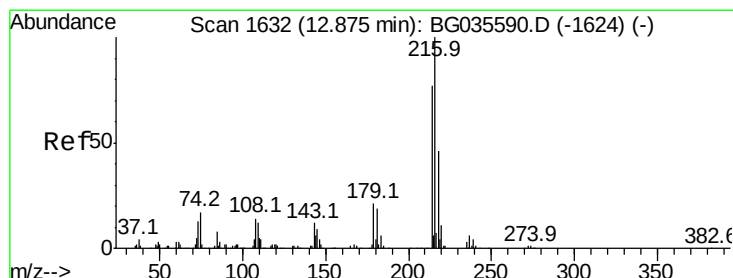
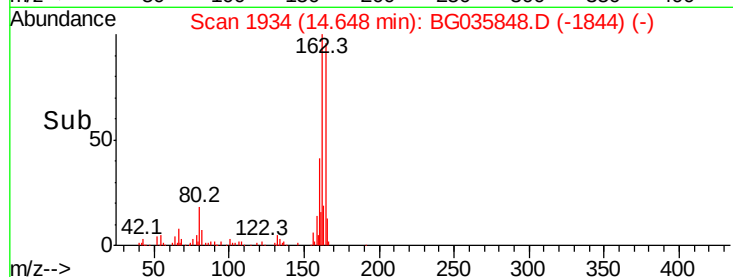
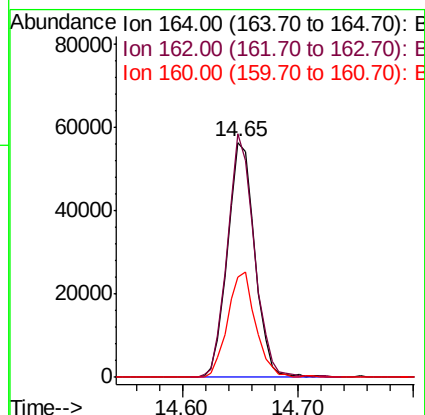
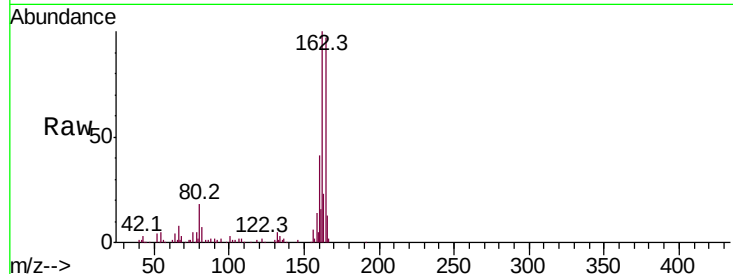
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	164	Resp:	92174
Ion	Ratio	Lower	Upper
164	100		
162	103.6	78.8	118.2
160	42.5	35.4	53.0

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.052 ng

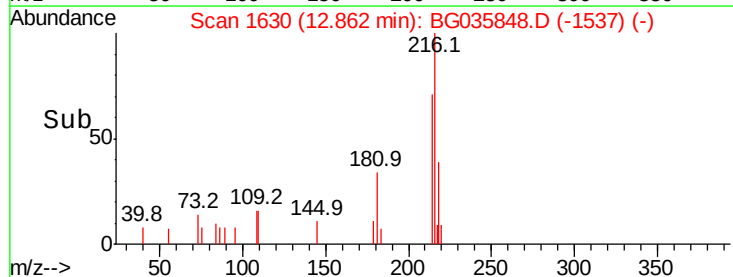
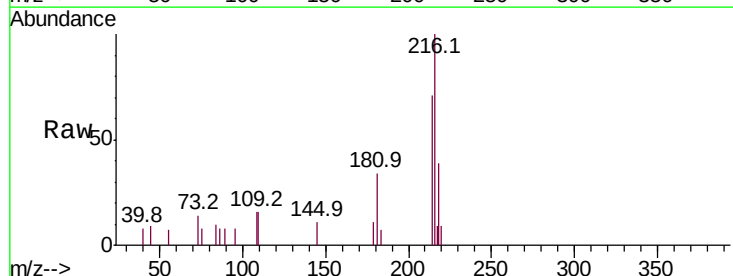
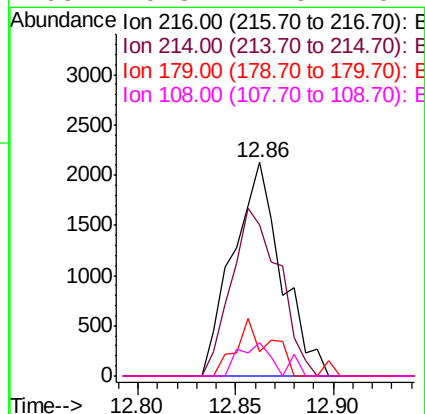
RT: 12.86 min Scan# 1630

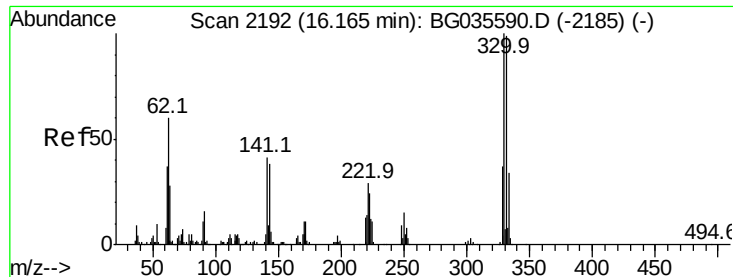
Delta R.T. 0.02 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	216	Resp:	3659
Ion	Ratio	Lower	Upper
216	100		
214	77.3	63.0	94.4
179	18.9	17.0	25.6
108	9.8	12.8	19.2#





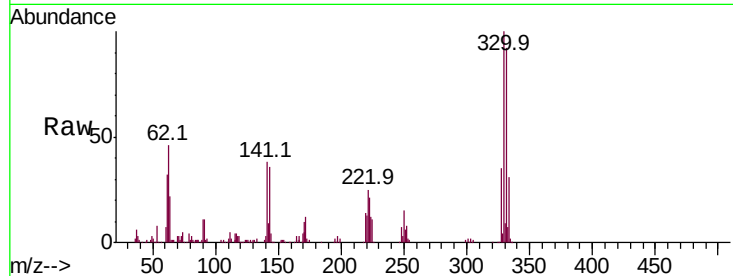
#41
 2,4,6-Tribromophenol
 Concen: 138.122 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	40.1	25.2	37.8#

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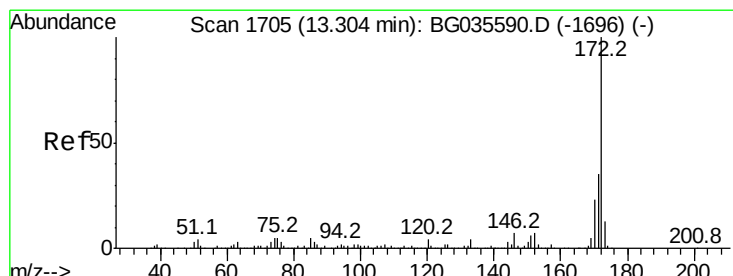
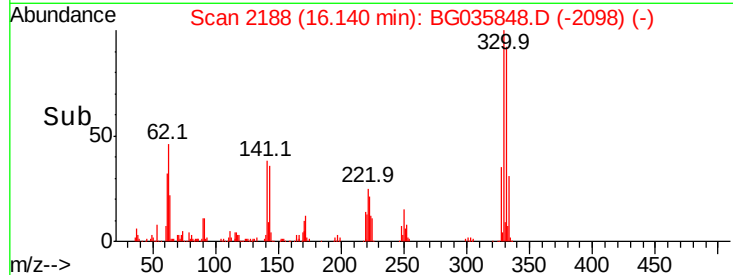
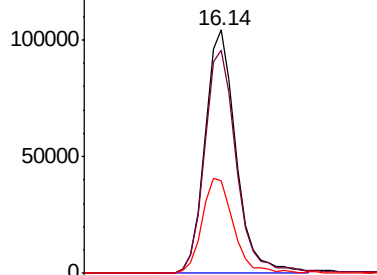


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 89.712 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

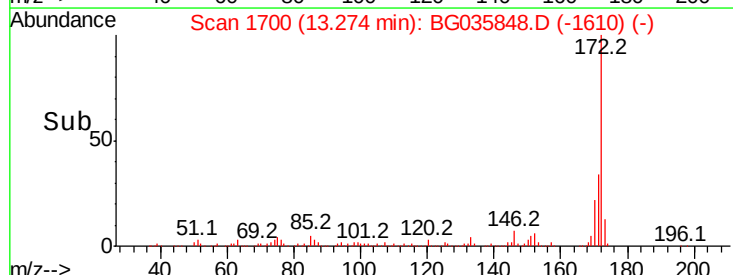
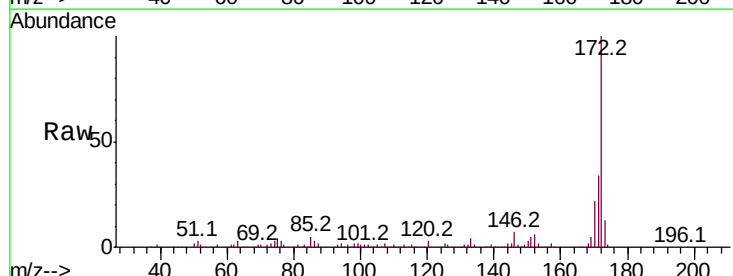
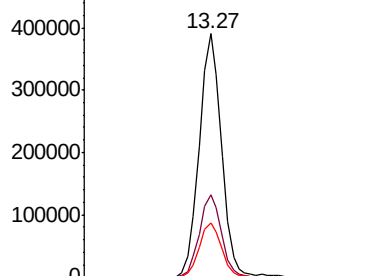
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	30.0	45.0
170	22.5	19.5	29.3

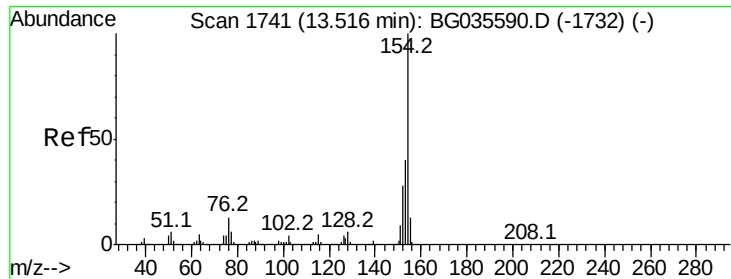
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





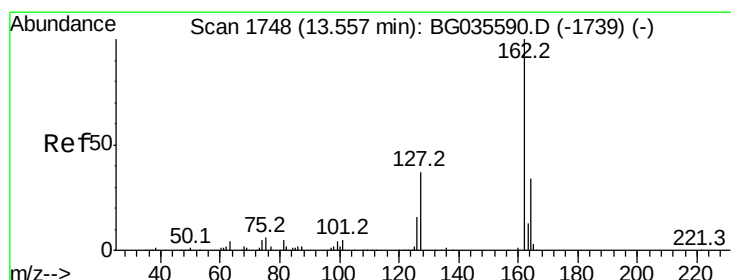
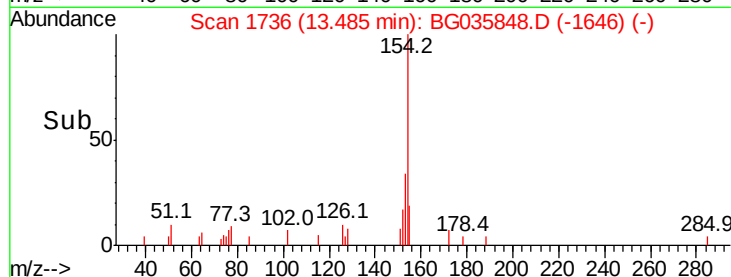
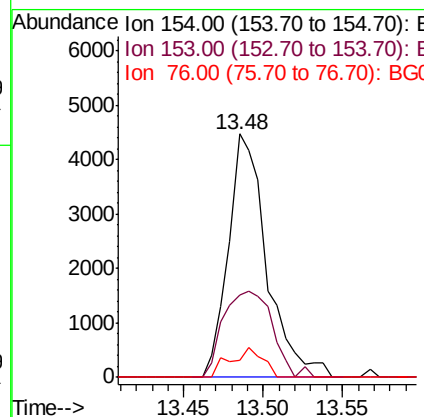
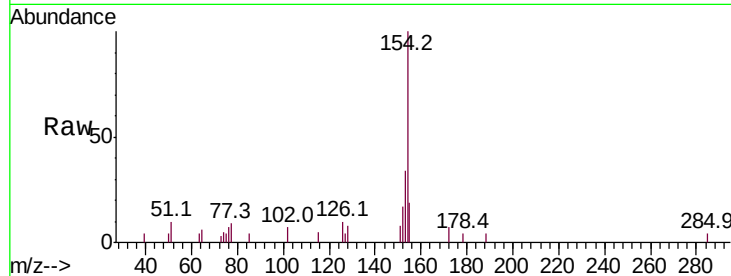
#45
 1,1'-Biphenyl
 Concen: 1.053 ng
 RT: 13.48 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	33.8	19.8	59.8
76	7.1	0.0	31.9

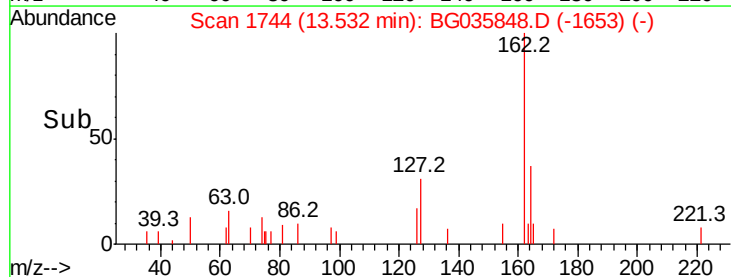
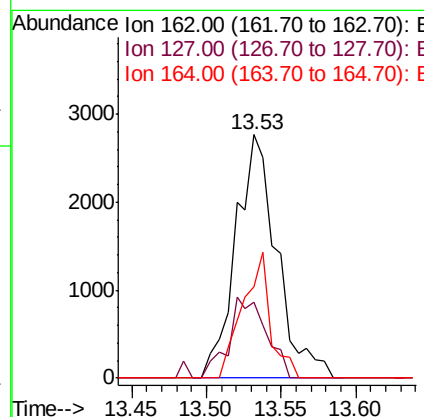
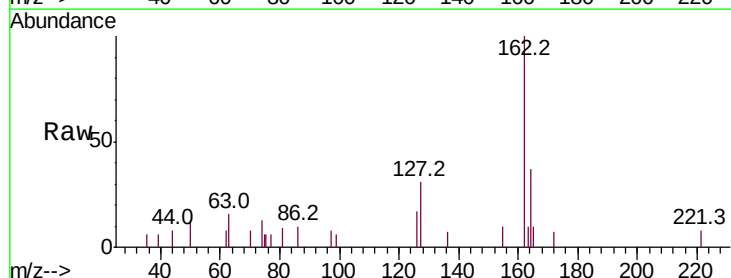
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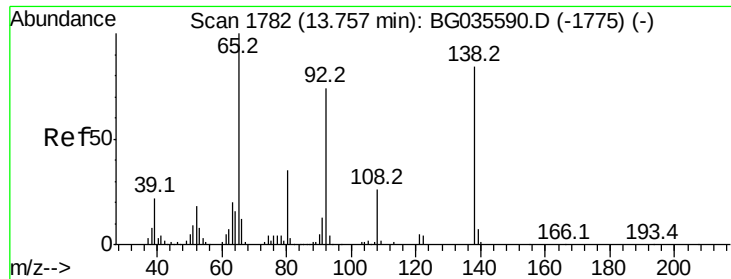
Sohil
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#46
 2-Chloronaphthalene
 Concen: 0.953 ng
 RT: 13.53 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
162	100		
127	31.4	30.7	46.1
164	37.3	26.0	39.0





#47

2-Nitroaniline

Concen: 0.562 ng/mL

RT: 13.77 min Scan# 1784

Delta R.T. 0.03 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

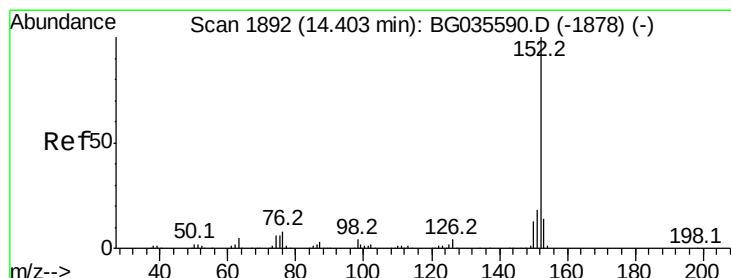
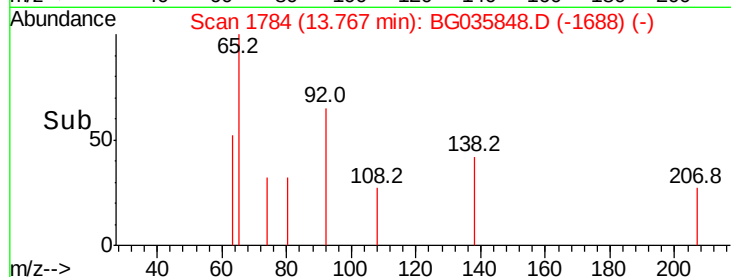
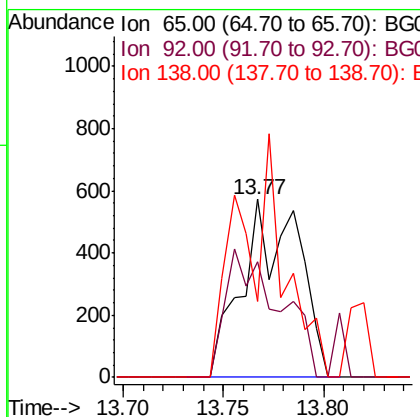
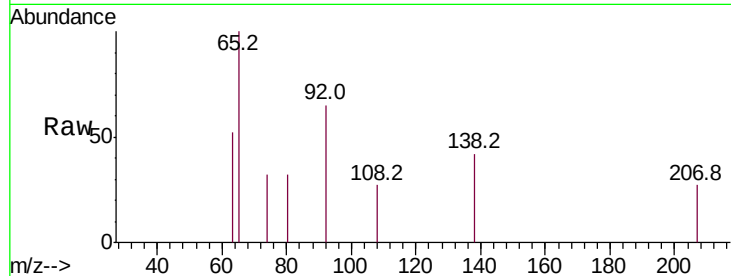
ClientSampleID :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.1	54.6	82.0
138	42.4	72.9	109.3

Manual Integrations
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#48

Acenaphthylene

Concen: 0.938 ng/mL

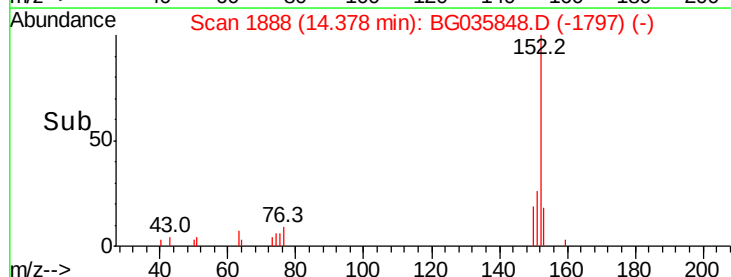
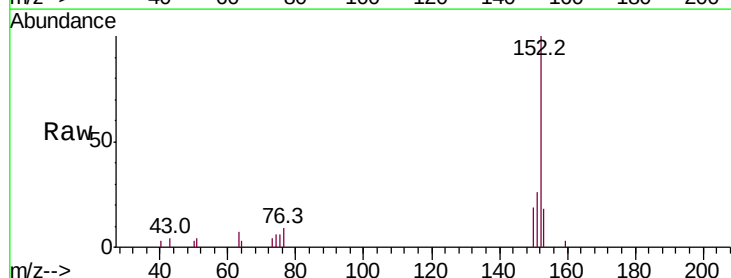
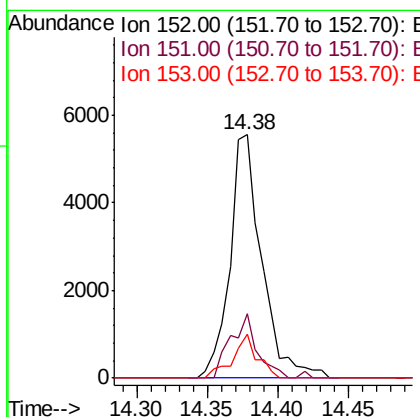
RT: 14.38 min Scan# 1888

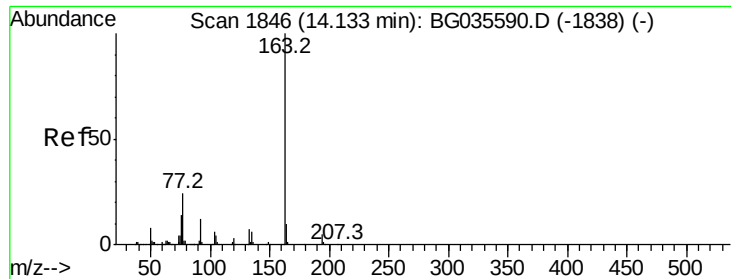
Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.3	17.2	25.8
153	17.9	10.2	15.4





#49

Dimethylphthalate

Concen: 0.896 ng

RT: 14.11 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

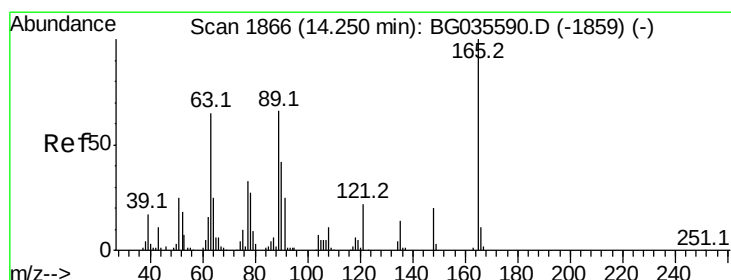
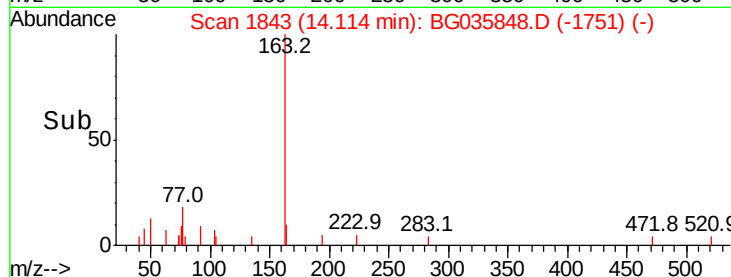
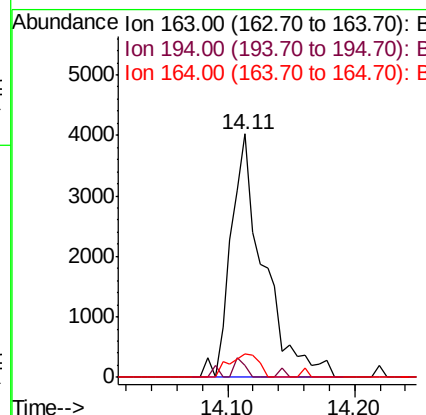
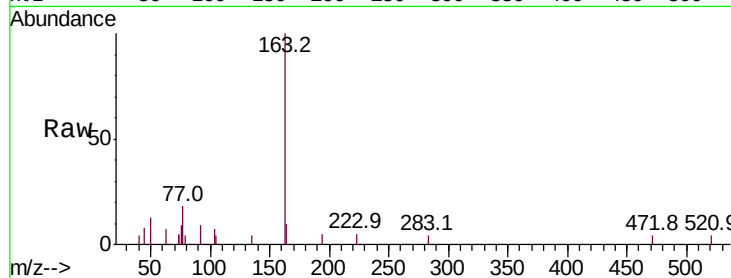
ClientSampleId :

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Tot Ion:	163	Resp:	7235
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.4	5.2
164	9.7	8.2	12.4

Manual Integrations
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#50

2,6-Dinitrotoluene

Concen: 0.752 ng

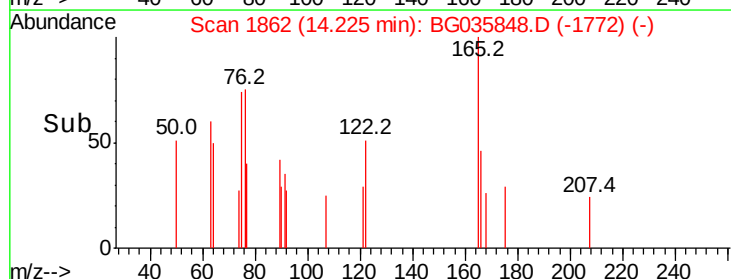
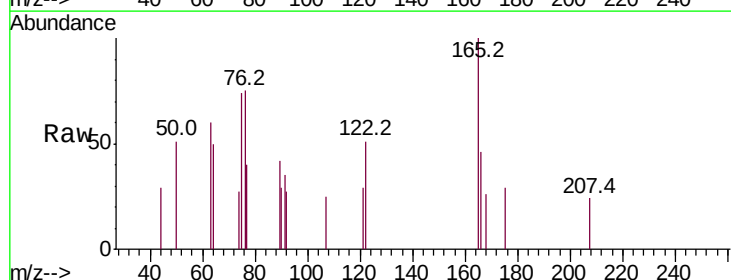
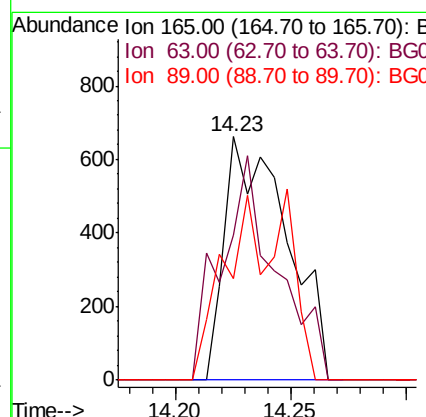
RT: 14.23 min Scan# 1862

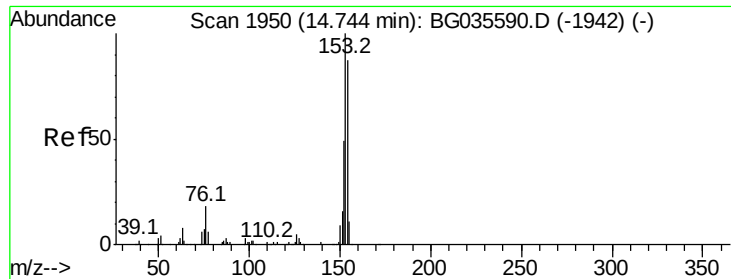
Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	165	Resp:	1237
Ion Ratio	Lower	Upper	
165	100		
63	59.8	52.7	79.1
89	41.5	49.2	73.8#





#51

Acenaphthene

Concen: 0.907 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

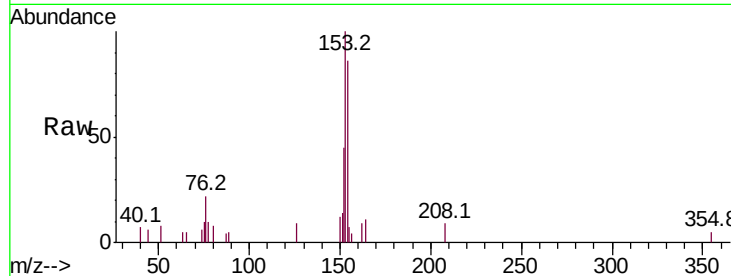
ClientSampleId :

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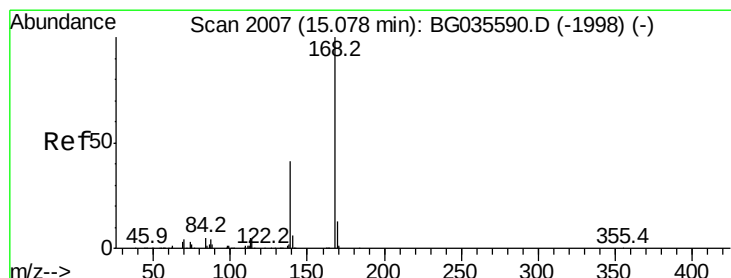
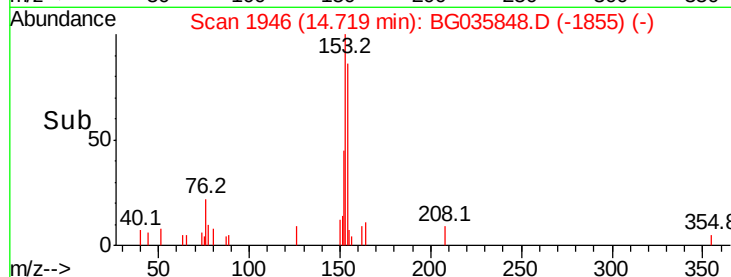
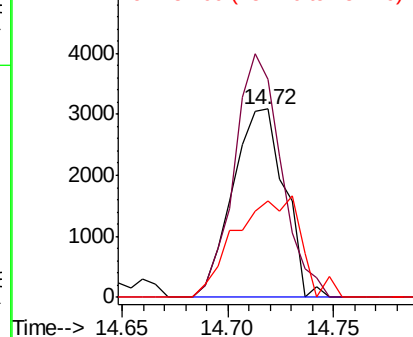
Tot Ion:	154	Resp:	5261
Ion Ratio	Lower	Upper	
154	100		
153	115.6	90.4	135.6
152	51.5	41.6	62.4

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



#54

Dibenzofuran

Concen: 1.039 ng

RT: 15.06 min Scan# 2004

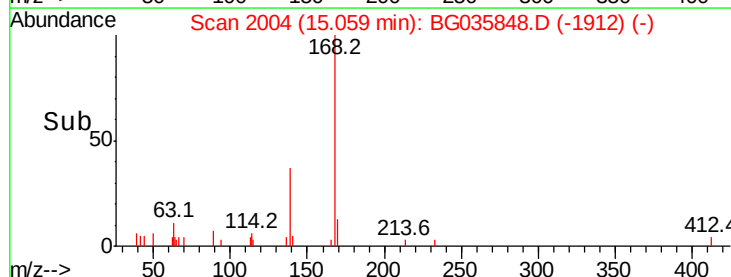
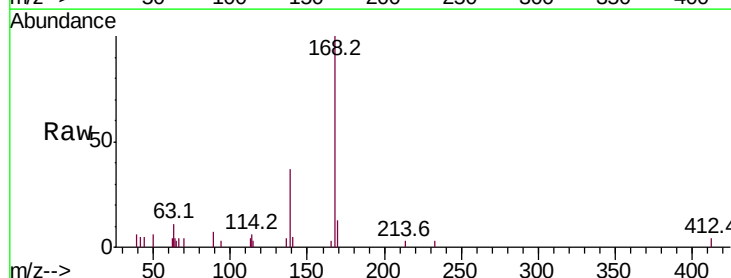
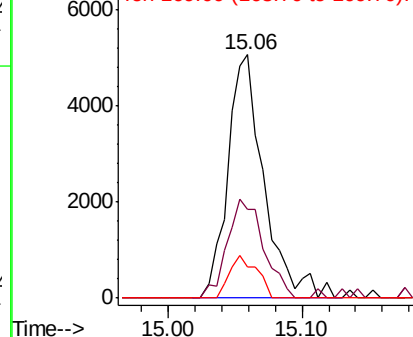
Delta R.T. 0.01 min

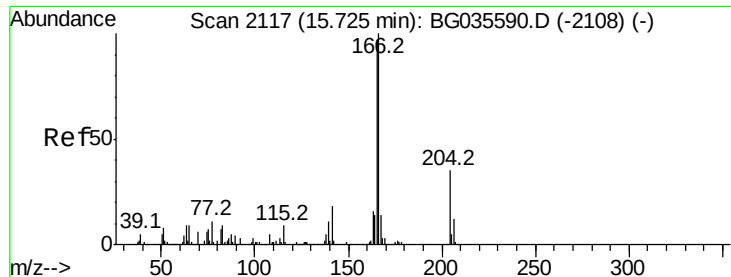
Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	168	Resp:	9584
Ion Ratio	Lower	Upper	
168	100		
139	36.6	28.6	43.0
169	12.9	11.2	16.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 0.918 ng

RT: 15.71 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

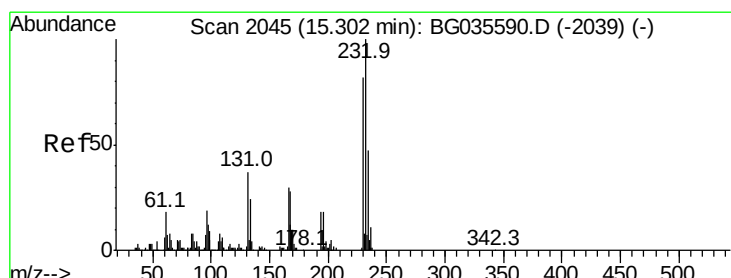
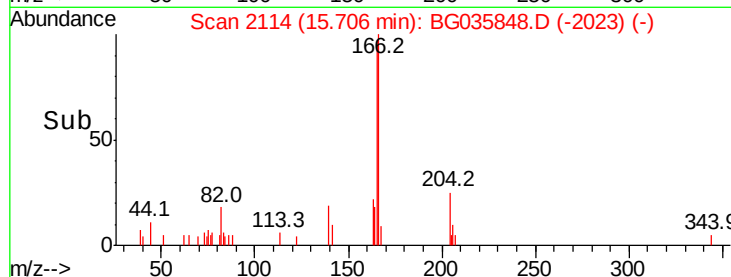
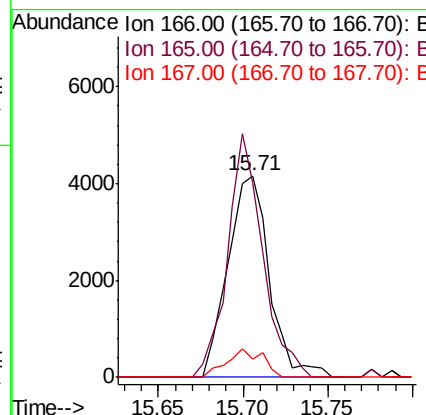
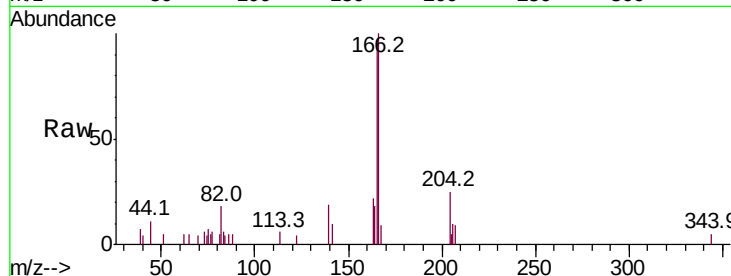
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	80.6	121.0
167	8.8	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 0.757 ng

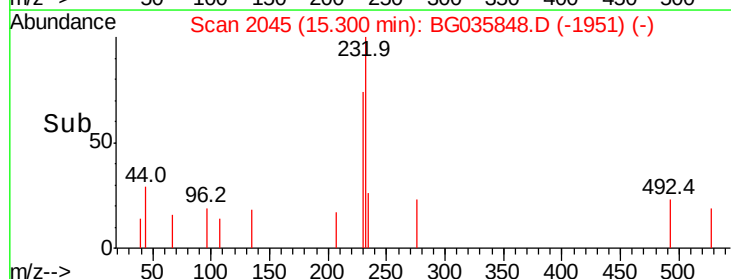
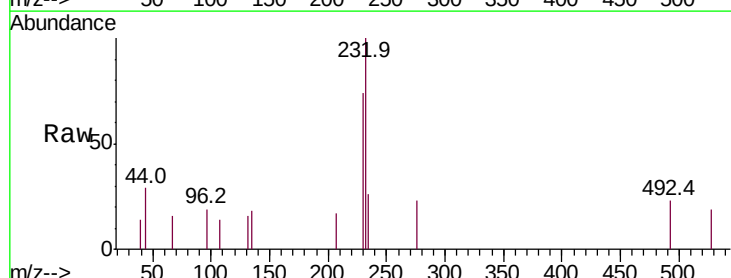
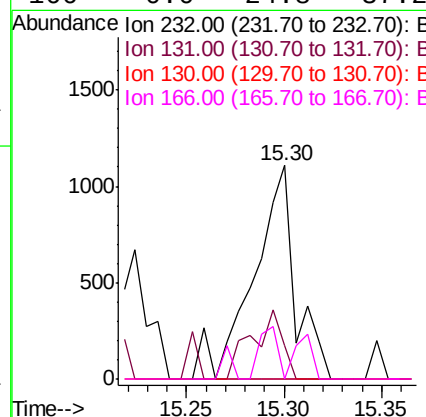
RT: 15.30 min Scan# 2045

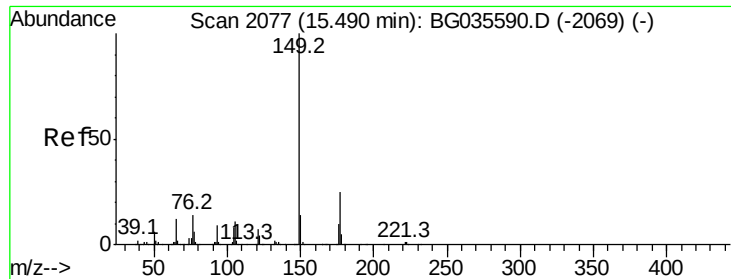
Delta R.T. 0.02 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
232	100		
131	24.1	33.5	50.3
130	0.0	2.2	3.2
166	0.0	24.8	37.2





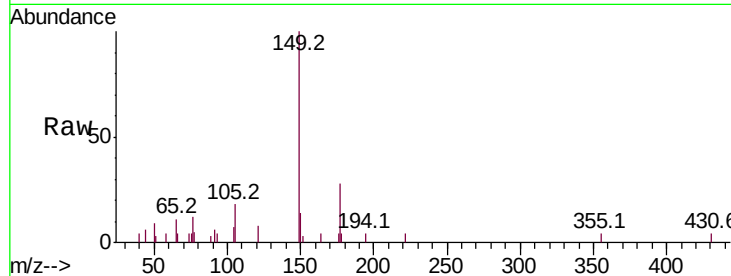
#59
Diethylphthalate
Concen: 0.930 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

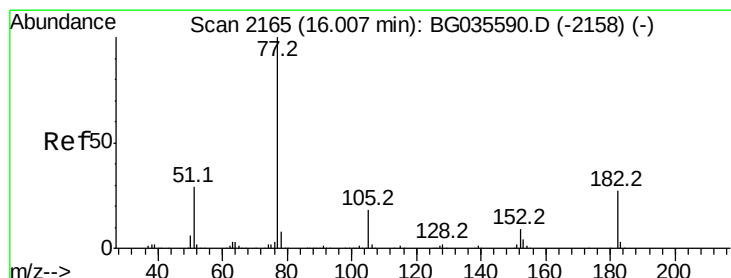
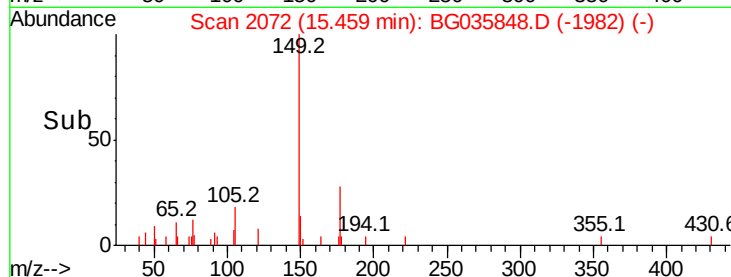
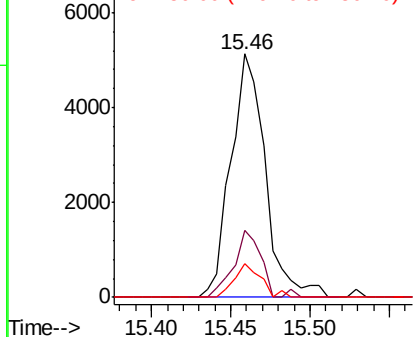
Tot Ion	Ratio	Lower	Upper
149	100		
177	27.7	18.5	27.7
150	13.9	10.2	15.2

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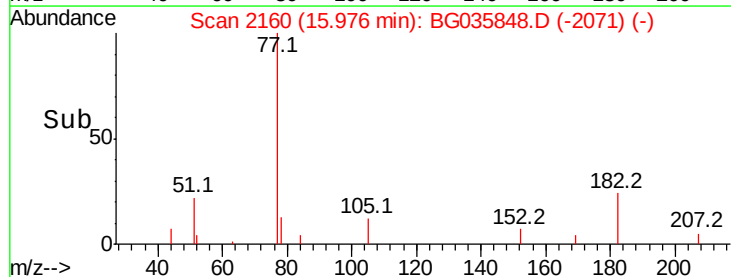
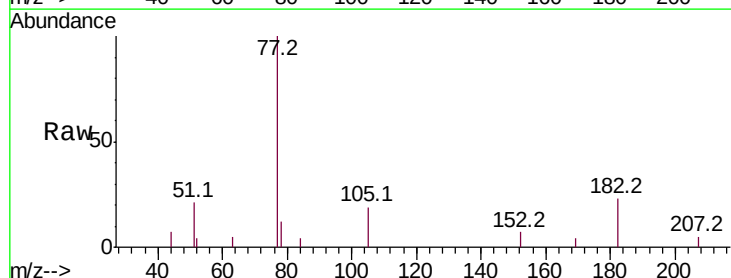
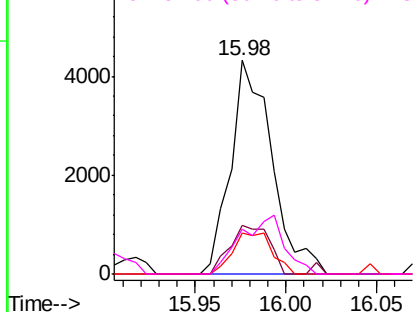
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

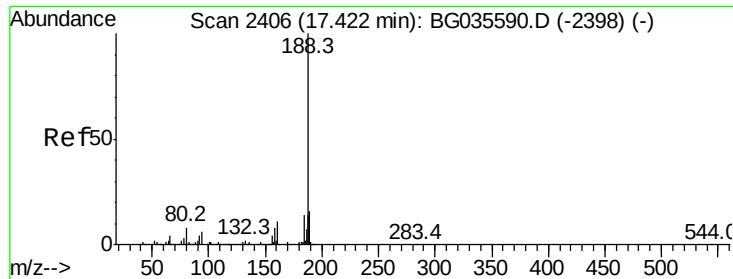


#62
Azobenzene
Concen: 0.839 ng
RT: 15.98 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	7.4	47.4
105	19.1	0.3	40.3
51	20.7	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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

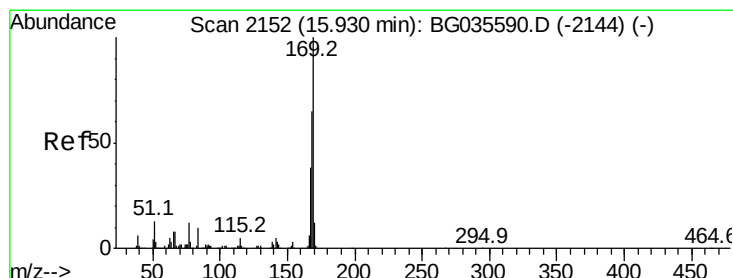
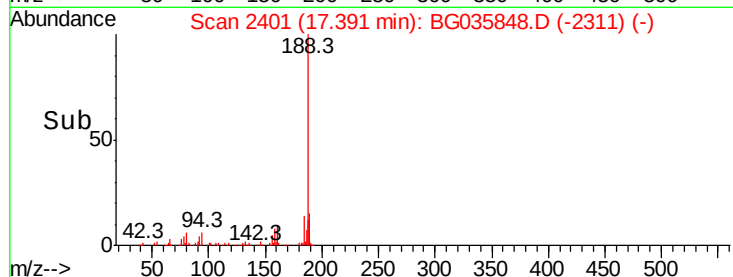
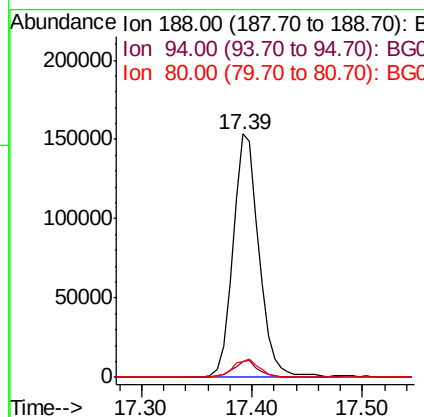
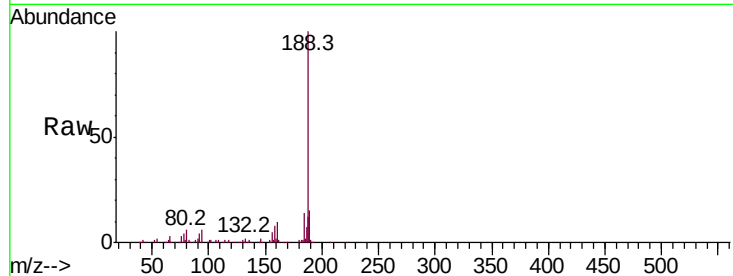
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	6.4	7.7	11.5#

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#65

n-Nitrosodiphenylamine

Concen: 0.881 ng

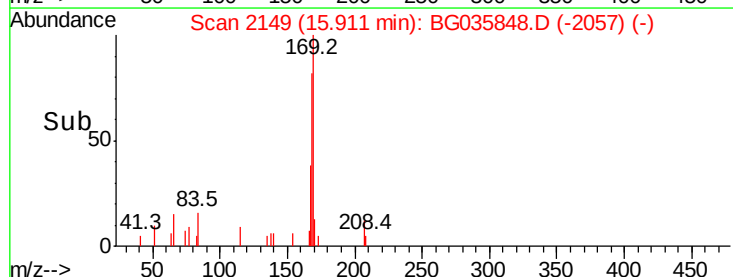
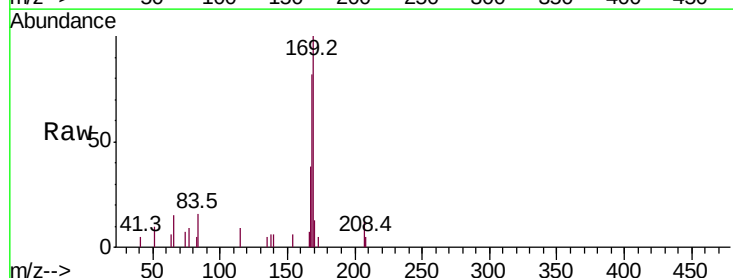
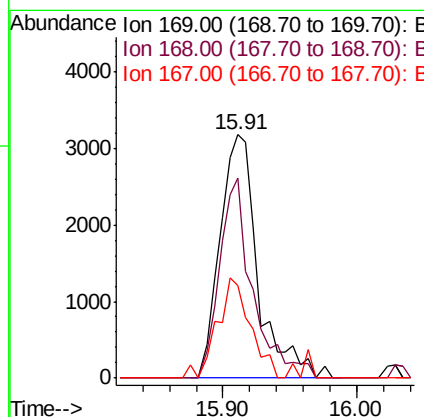
RT: 15.91 min Scan# 2149

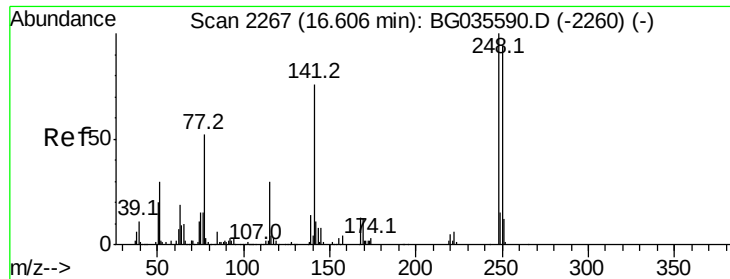
Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Resp Lower	Upper
169	100		
168	82.1	55.7	83.5
167	38.0	30.1	45.1





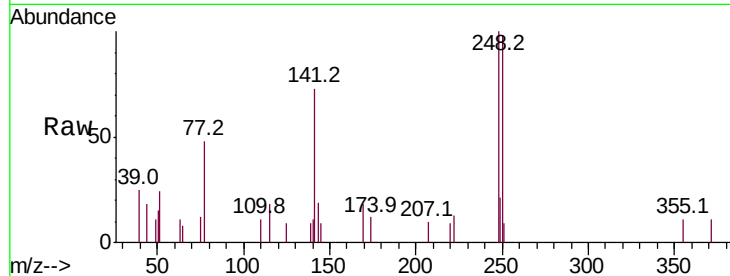
#66
4-Bromophenyl-phenylether
Concen: 0.918 ng
RT: 16.59 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

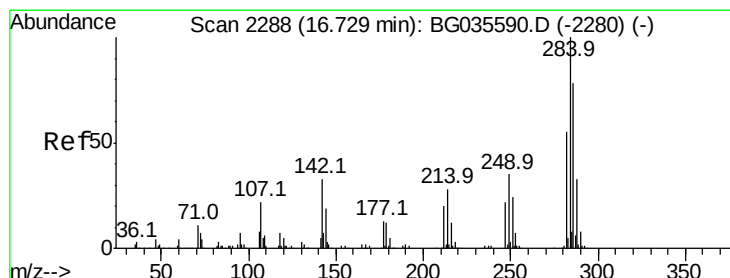
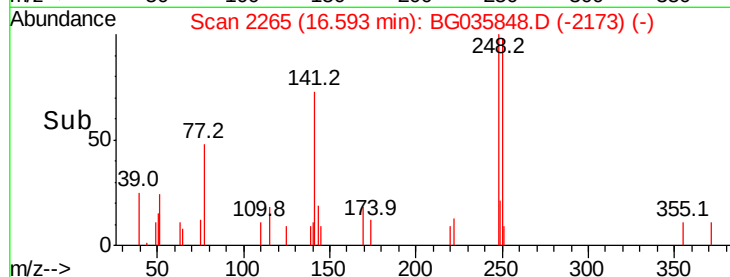
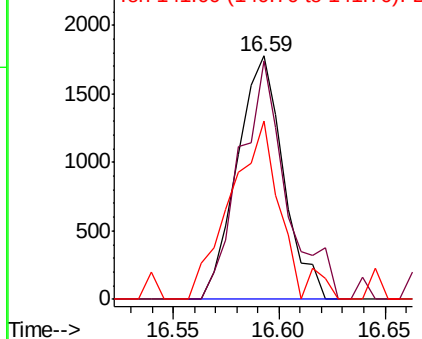
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.1	115.7
141	73.1	50.8	76.2

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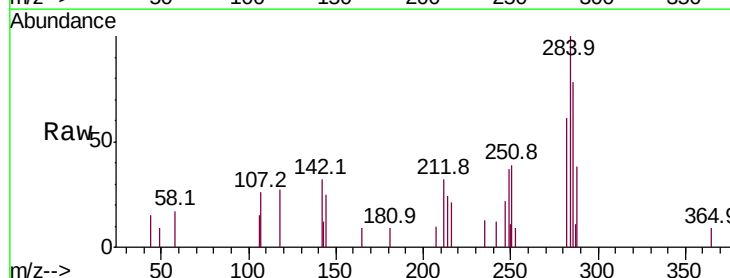


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

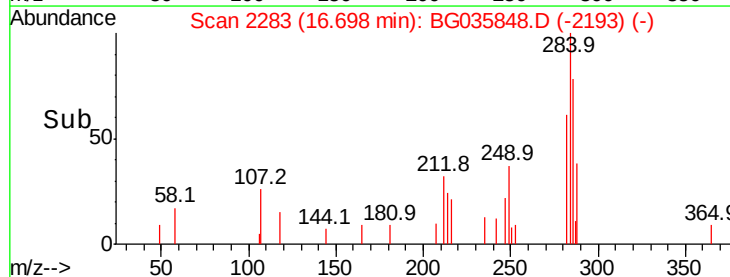
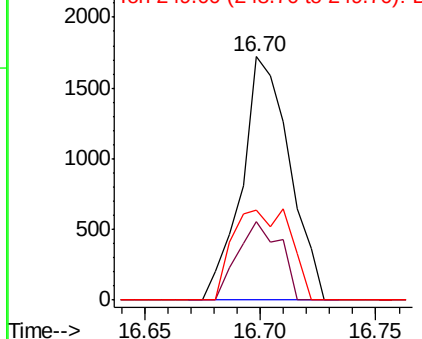


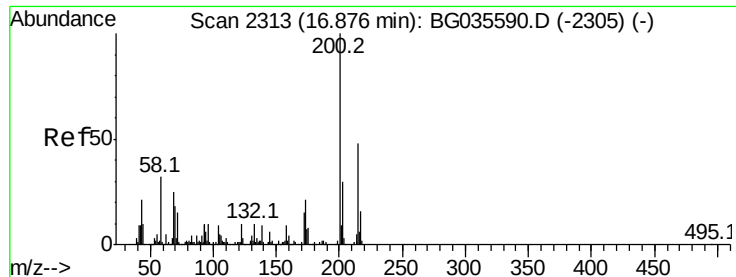
#67
Hexachlorobenzene
Concen: 0.820 ng
RT: 16.70 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.0	26.8	40.2
249	36.7	26.3	39.5



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





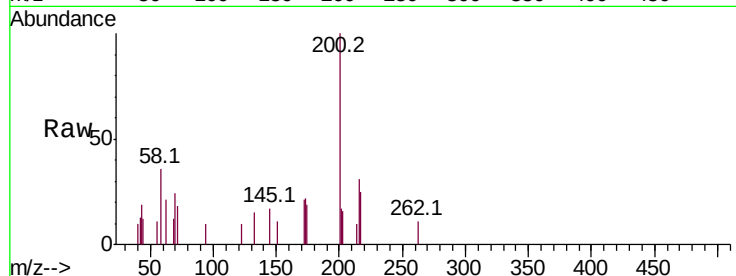
#68
Atrazine
Concen: 0.820 ng
RT: 16.86 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	22.0	5.2	45.2
215	31.3	30.4	70.4

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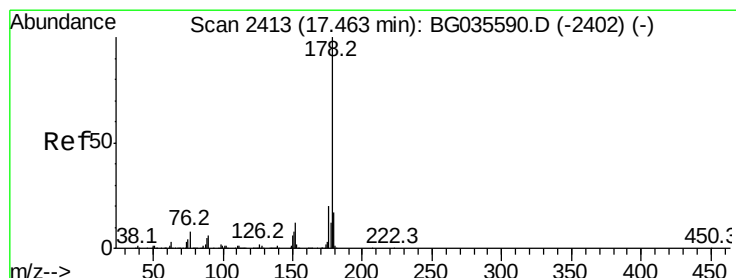
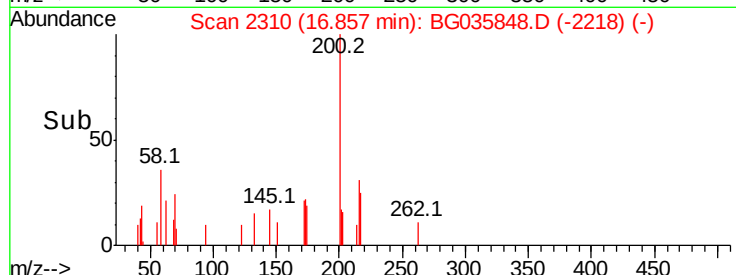
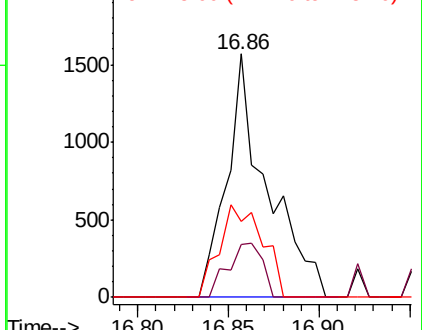


Abundance

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



#70
Phenanthrene
Concen: 1.004 ng
RT: 17.44 min Scan# 2409
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

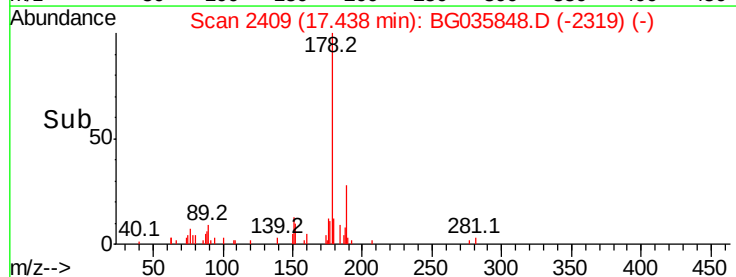
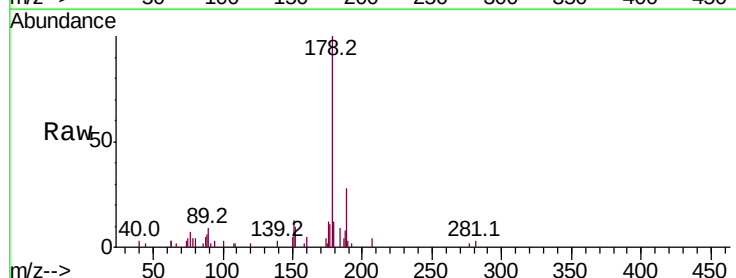
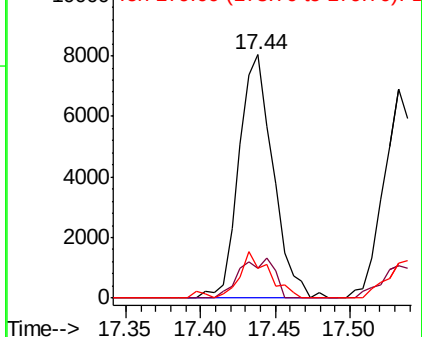
Tgt Ion	Ratio	Lower	Upper
178	100		
176	12.5	15.7	23.5#
179	12.0	12.5	18.7#

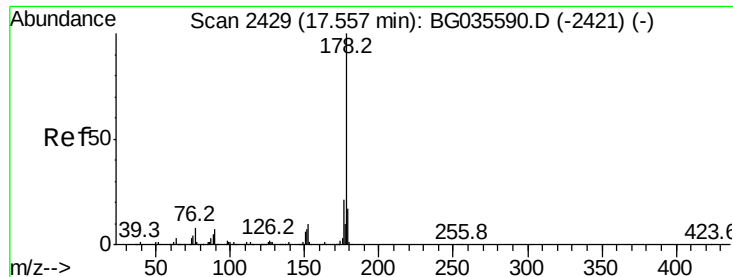
Abundance

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





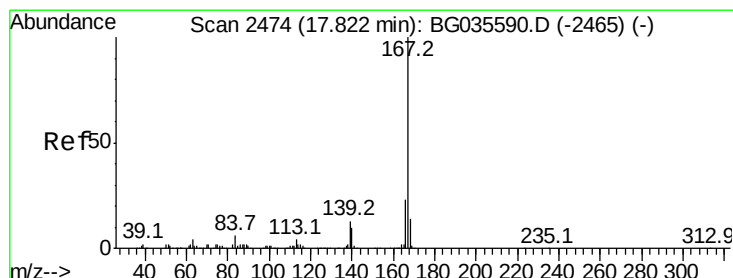
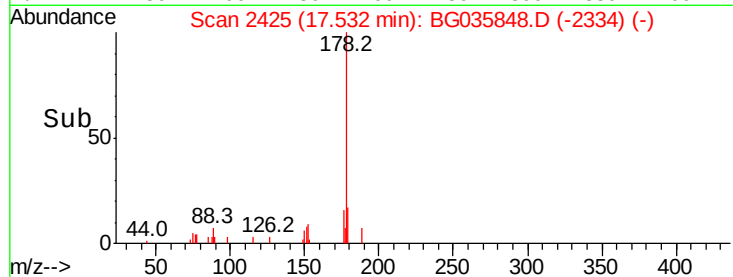
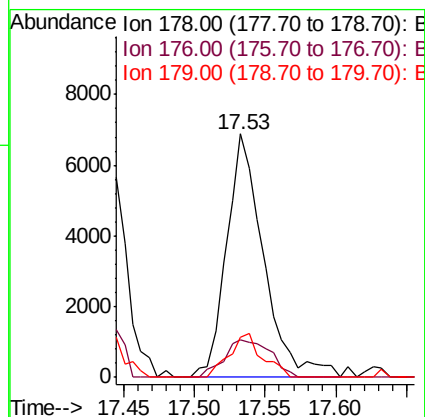
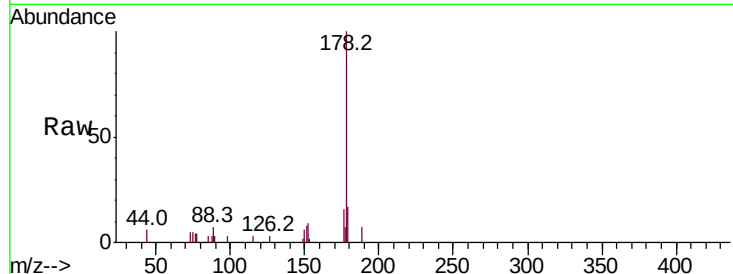
#71
 Anthracene
 Concen: 0.999 ng
 RT: 17.53 min Scan# 2425
 Delta R.T. 0.01 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.6	16.0	24.0#
179	16.6	12.5	18.7

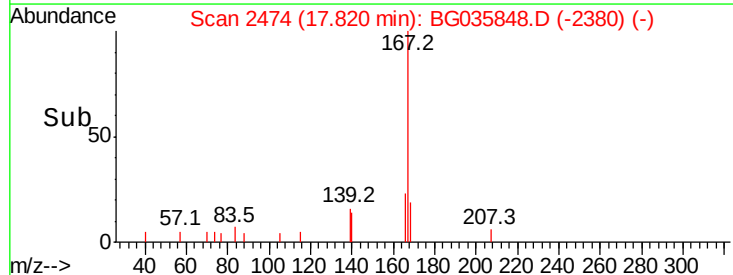
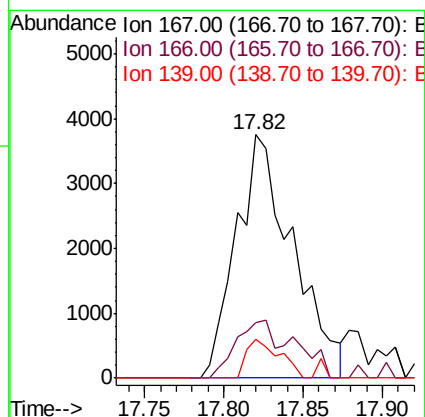
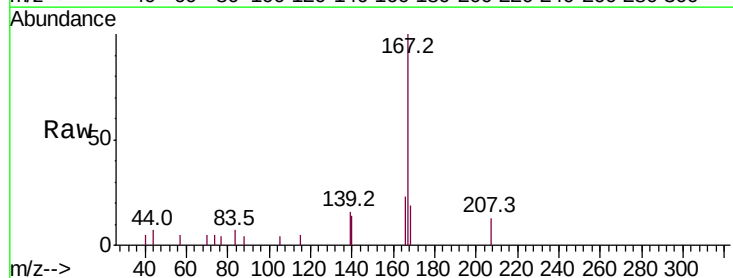
Manual Integrations
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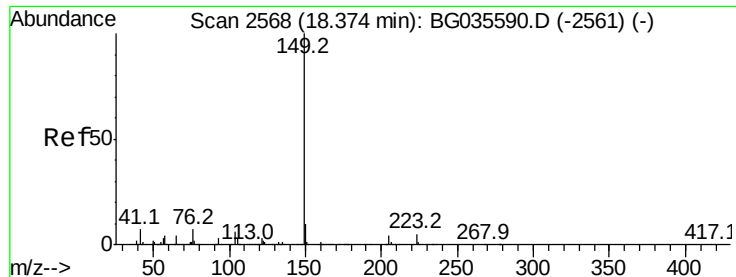
Sohil
 7/25/2018 6:34:52 PM



#72
 Carbazole
 Concen: 0.775 ng
 RT: 17.82 min Scan# 2474
 Delta R.T. 0.02 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.4
139	16.0	9.4	14.2#





#73

Di-n-butylphthalate

Concen: 0.795 ng

RT: 18.35 min Scan# 2565

Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

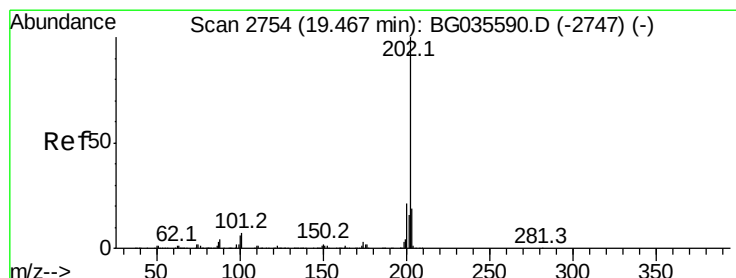
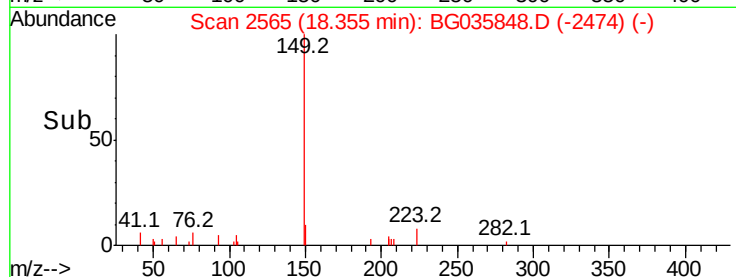
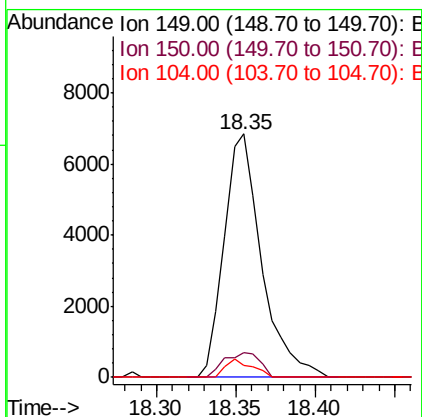
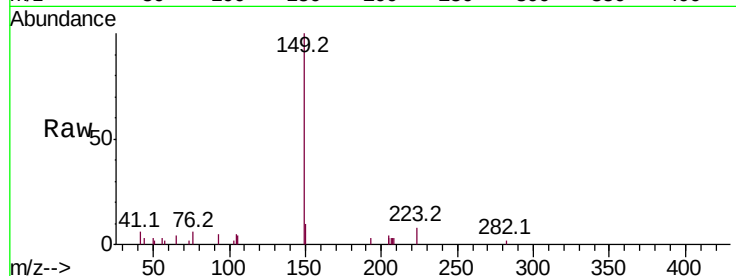
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	11248
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.8	11.6
104	5.1	3.9	5.9

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#74

Fluoranthene

Concen: 0.975 ng

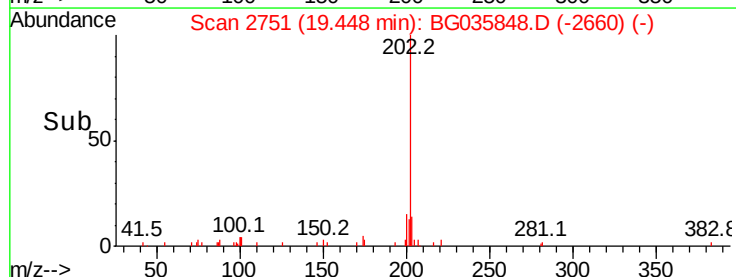
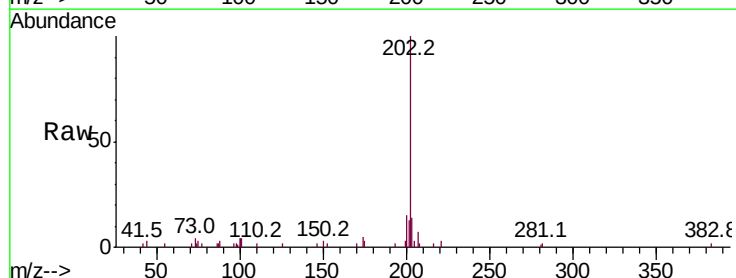
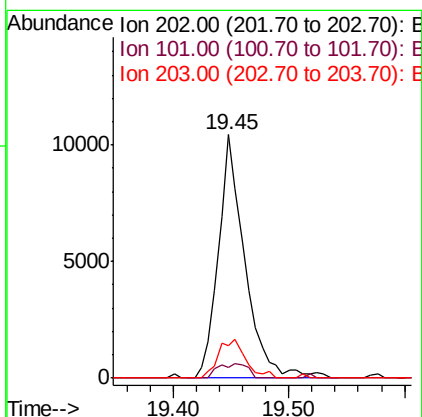
RT: 19.45 min Scan# 2751

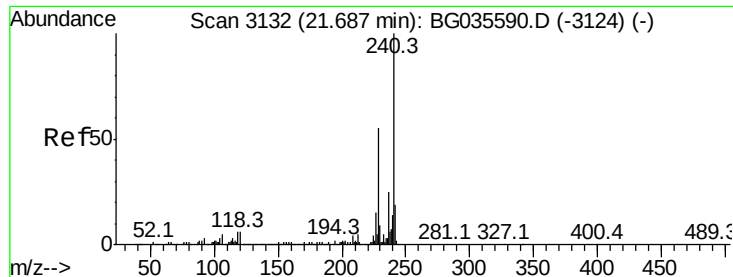
Delta R.T. 0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	202	Resp:	16626
Ion Ratio	Lower	Upper	
202	100		
101	4.4	0.0	28.9
203	13.5	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

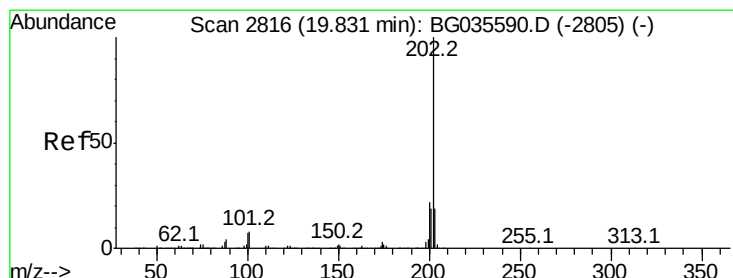
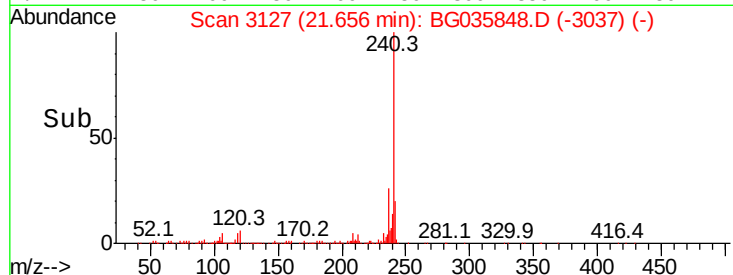
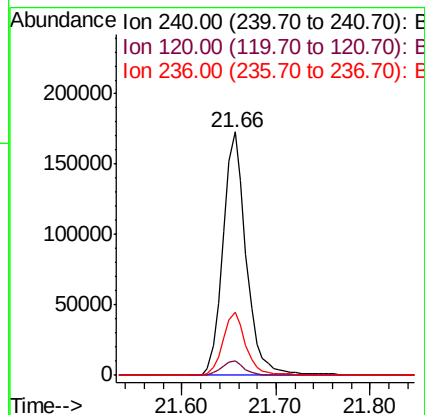
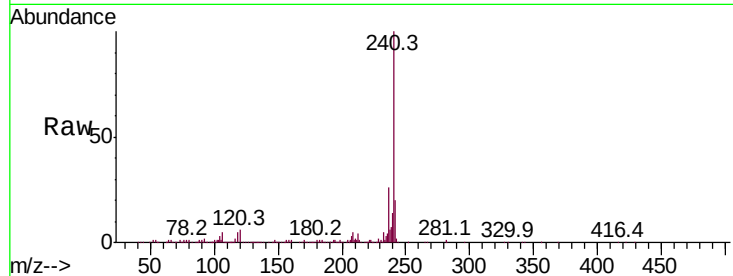
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
240	100	297294		
120	5.9	6.8	10.2#	
236	26.1	20.9	31.3	

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#77

Pyrene

Concen: 0.907 ng

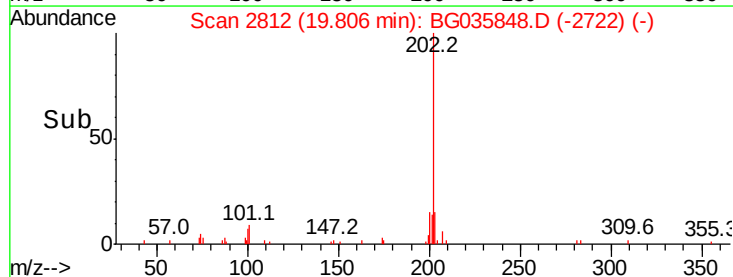
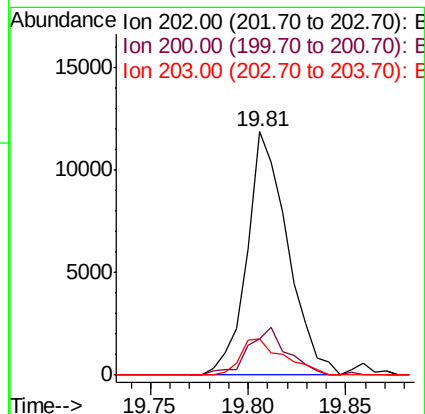
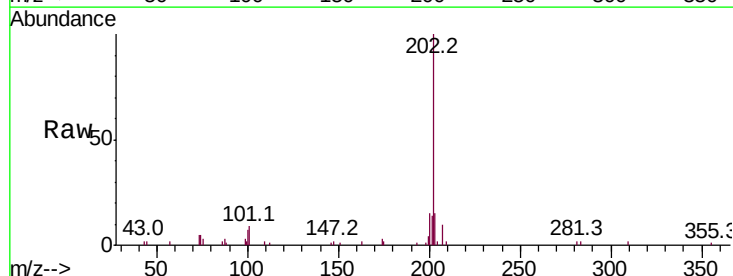
RT: 19.81 min Scan# 2812

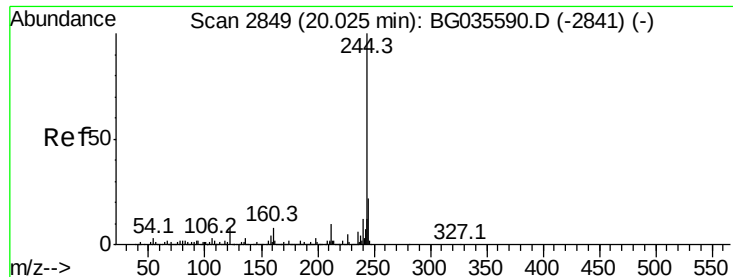
Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	17058		
200	14.8	16.9	25.3#	
203	15.1	13.9	20.9	





#78

Terphenyl-d14

Concen: 103.490 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:244 Resp: 1395773

Ion Ratio Lower Upper

244 100

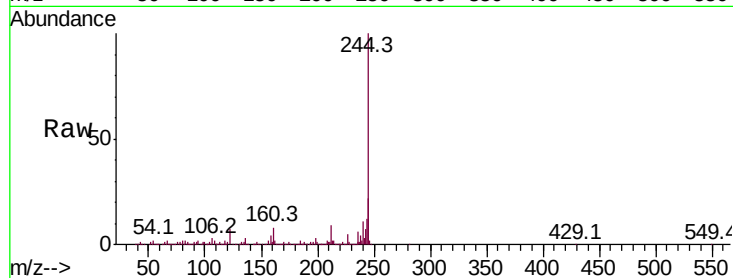
212 9.1 5.8 8.8#

122 7.4 7.0 10.4

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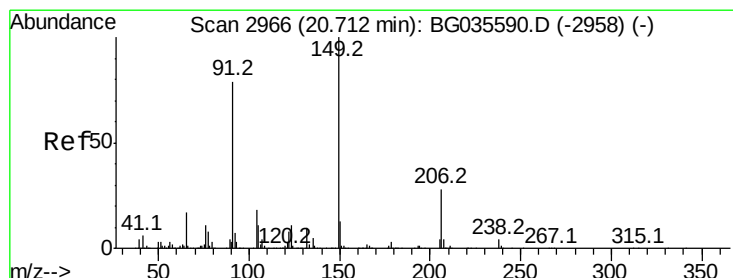
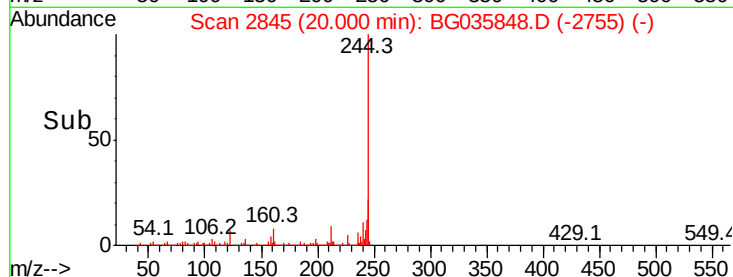
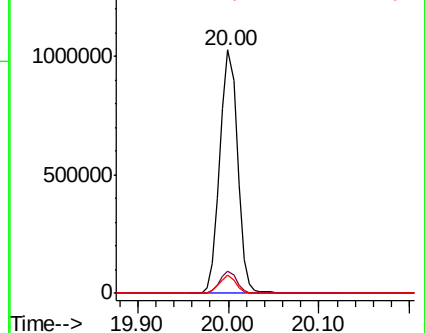
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.811 ng

RT: 20.68 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

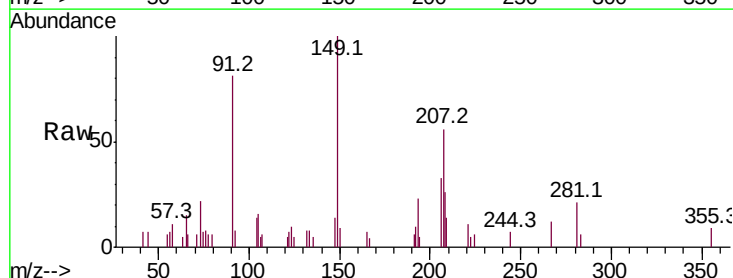
Tgt Ion:149 Resp: 5451

Ion Ratio Lower Upper

149 100

91 80.6 62.2 93.2

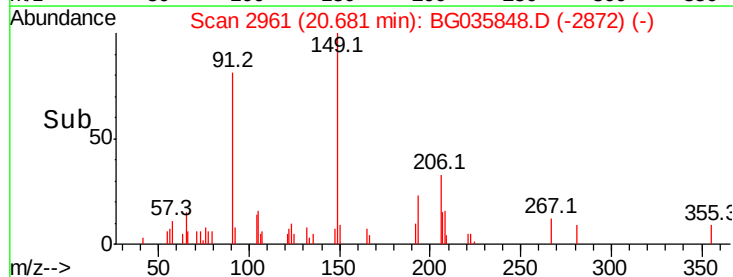
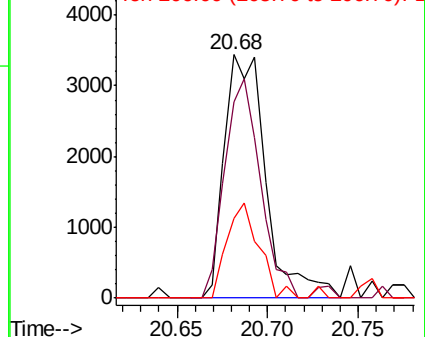
206 32.8 18.6 27.8#

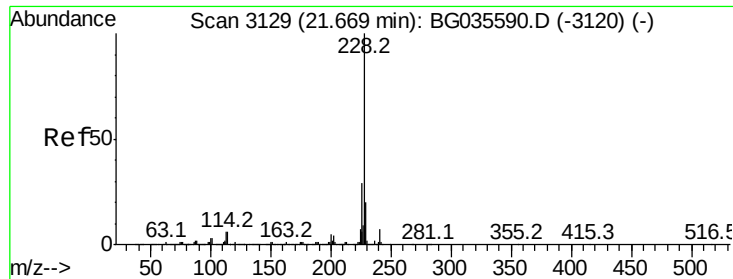


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





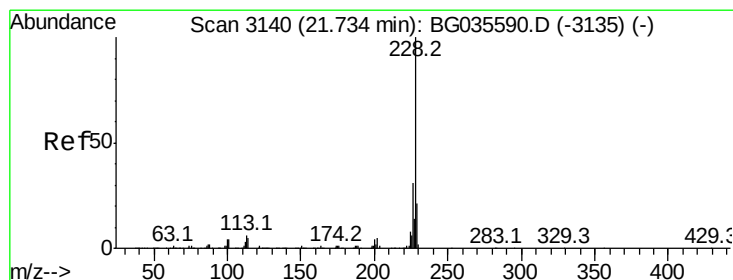
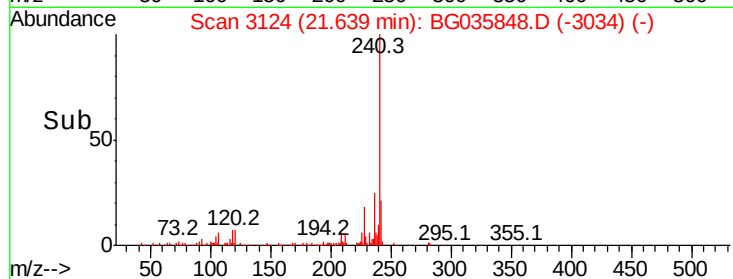
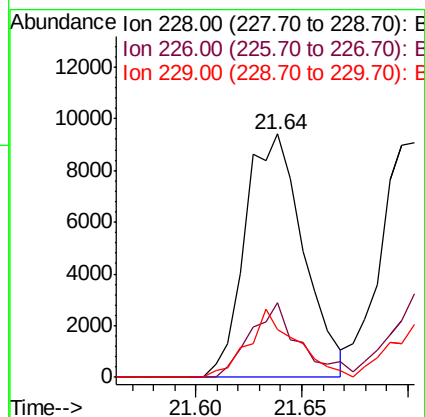
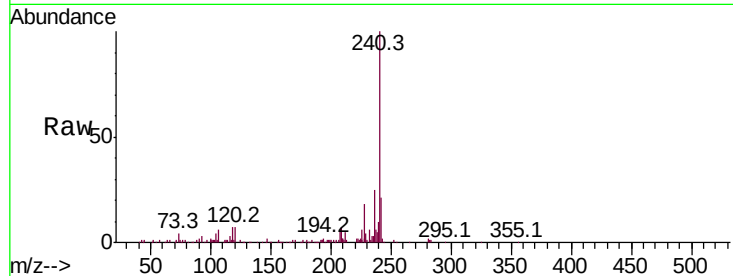
#80
Benzo(a)anthracene
Concen: 0.970 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.7	34.1
229	19.7	16.2	24.2

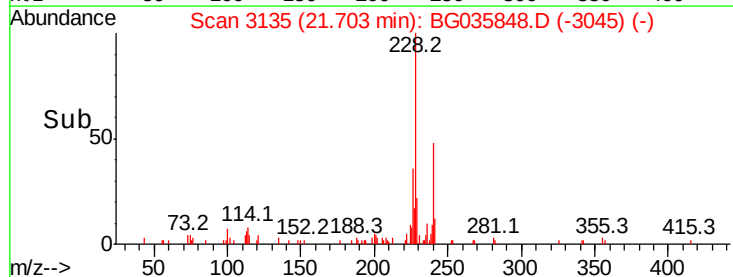
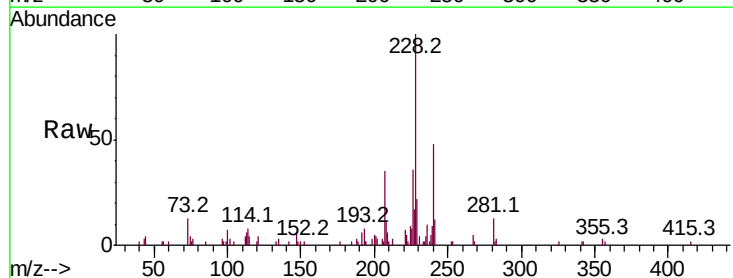
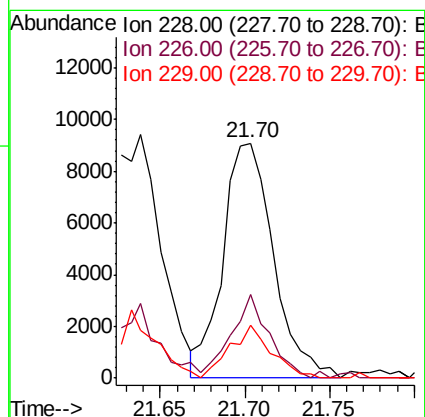
Manual Integrations
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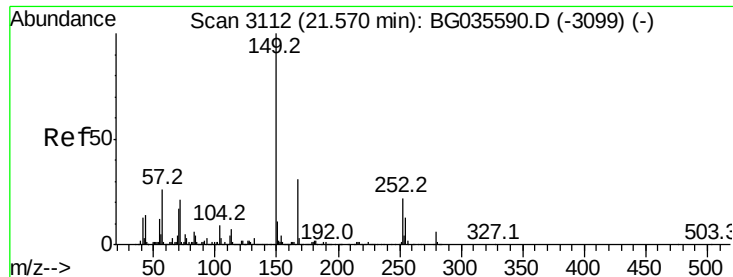
Sohil
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#82
Chrysene
Concen: 1.103 ng
RT: 21.70 min Scan# 3135
Delta R.T. -0.00 min
Lab File: BG035848.D
Acq: 24 Jul 2018 15:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.7	24.9	37.3
229	22.2	15.0	22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.964 ng

RT: 21.54 min Scan# 3107

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

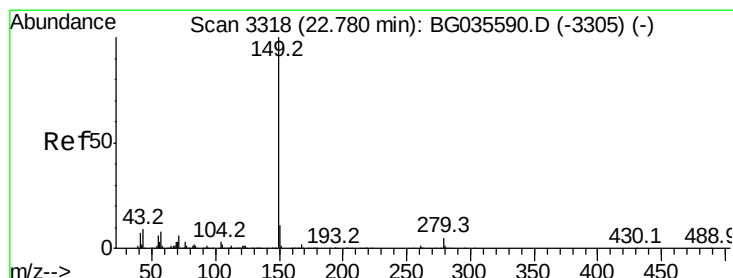
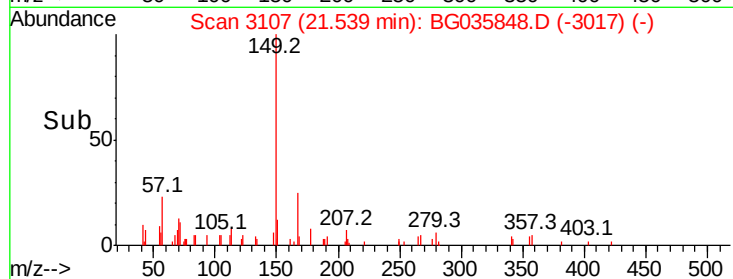
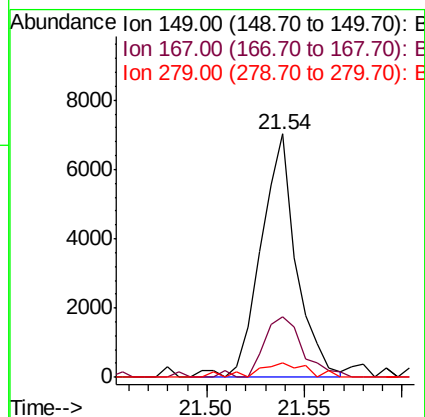
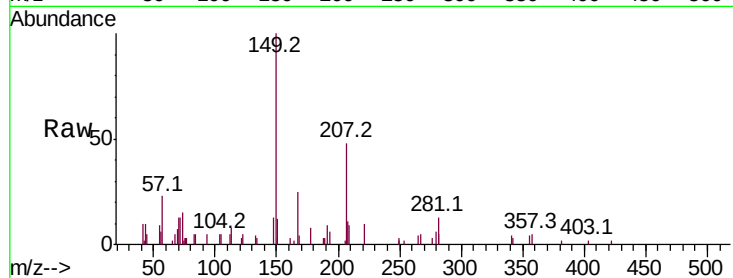
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	8807
Ion Ratio	Lower	Upper	
149	100		
167	25.1	24.3	36.5
279	5.9	4.0	6.0

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#84

Di-n-octyl phthalate

Concen: 0.880 ng

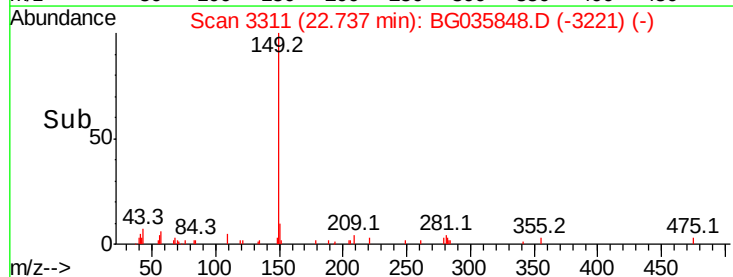
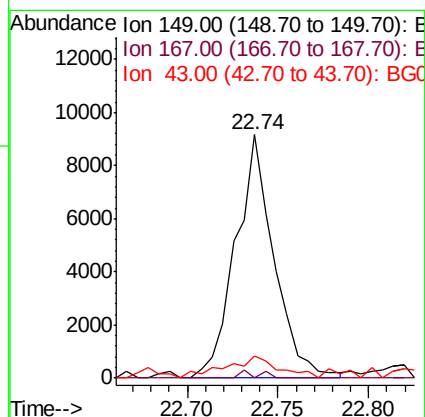
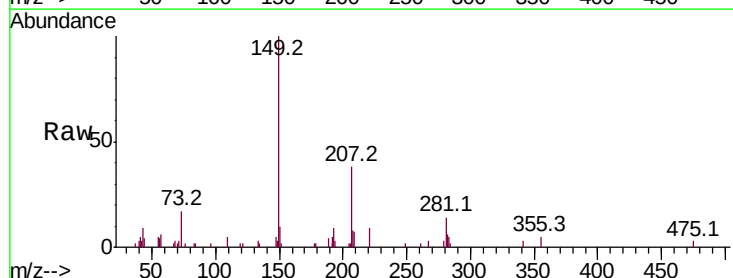
RT: 22.74 min Scan# 3311

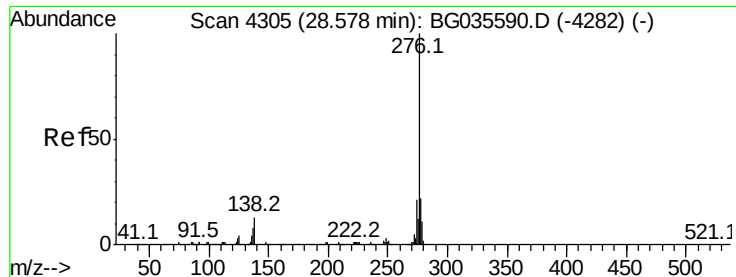
Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	149	Resp:	13473
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.4	2.0
43	12.3	8.9	13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.733 ng/mL

RT: 28.52 min Scan# 4295

Delta R.T. 0.02 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

ClientSampleId :

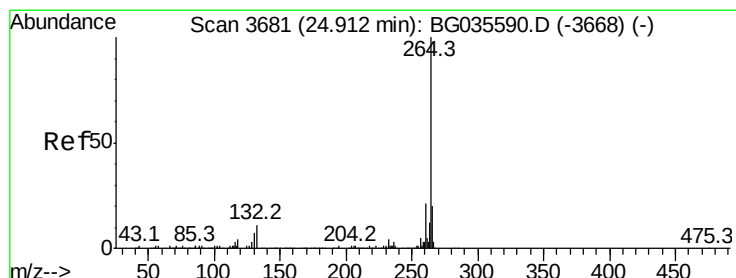
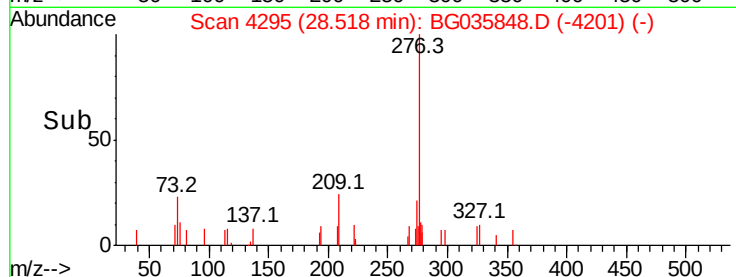
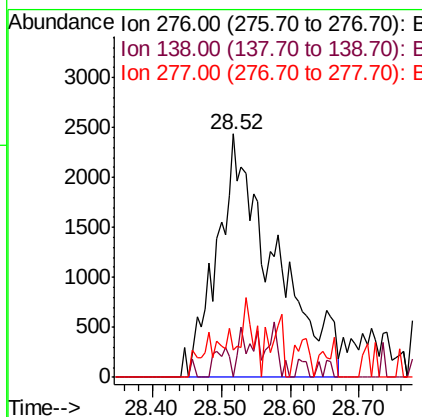
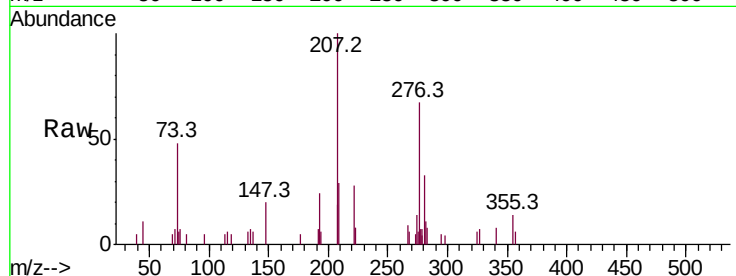
MDL-SOIL-03-QT3-2018

Tot Ion:	276	Resp:	13933
Ion Ratio	Lower	Upper	
276	100		
138	3.1	16.0	24.0#
277	2.7	20.0	30.0#

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#86

Perylene-d12

Concen: 20.000 ng

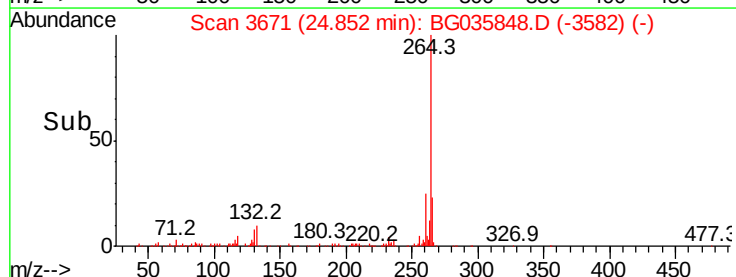
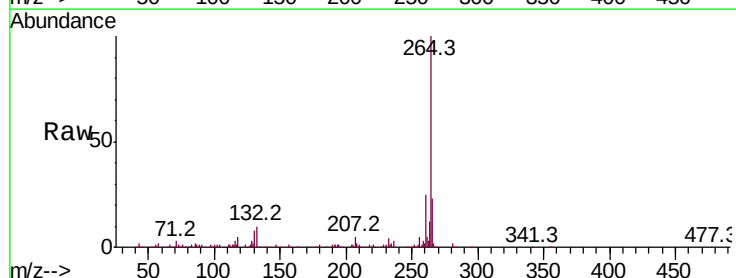
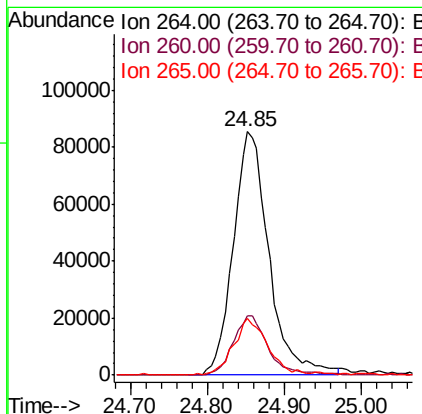
RT: 24.85 min Scan# 3671

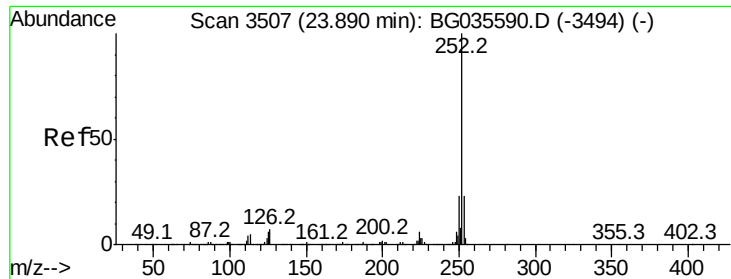
Delta R.T. -0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	264	Resp:	276242
Ion Ratio	Lower	Upper	
264	100		
260	24.5	17.4	26.0
265	23.2	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 0.935 ng

RT: 23.84 min Scan# 3499

Delta R.T. -0.00 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

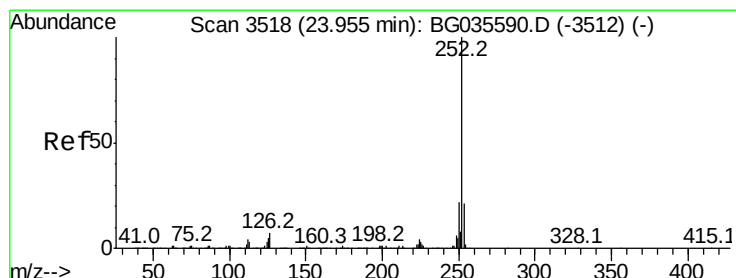
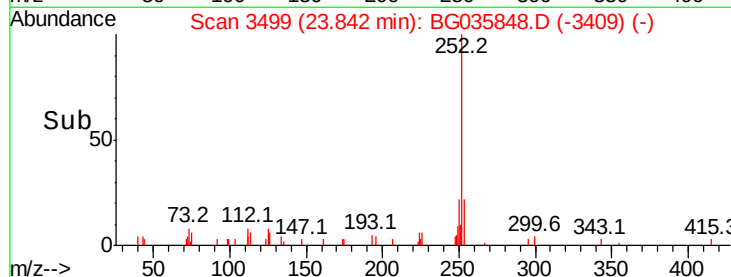
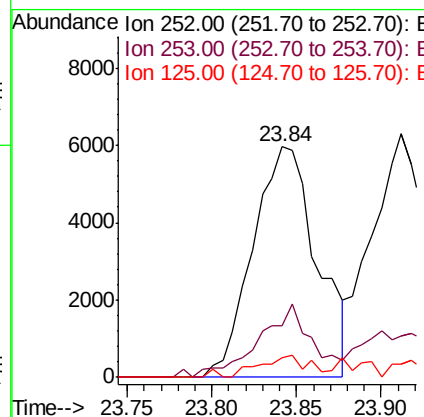
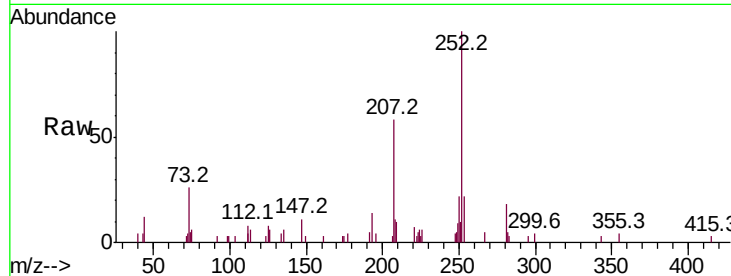
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	252	Resp:	15692
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.4
125	8.3	7.2	10.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 0.956 ng

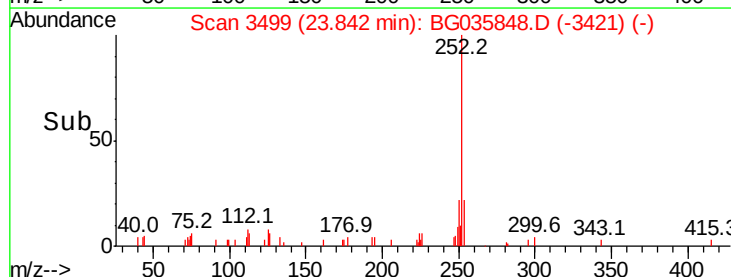
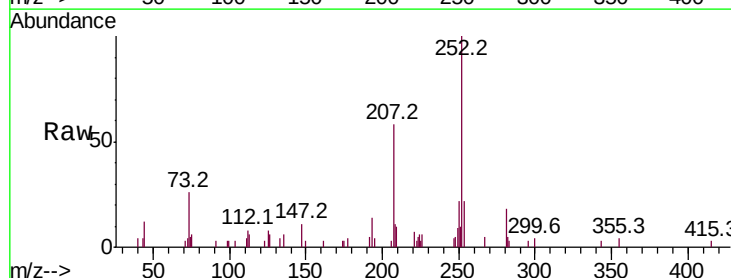
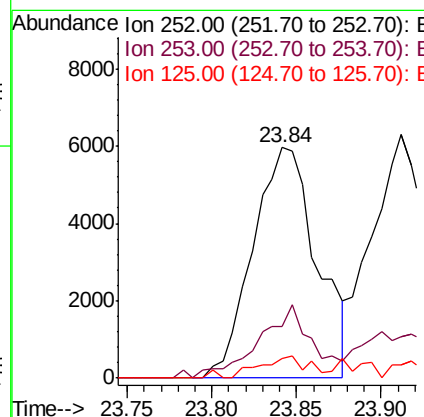
RT: 23.84 min Scan# 3499

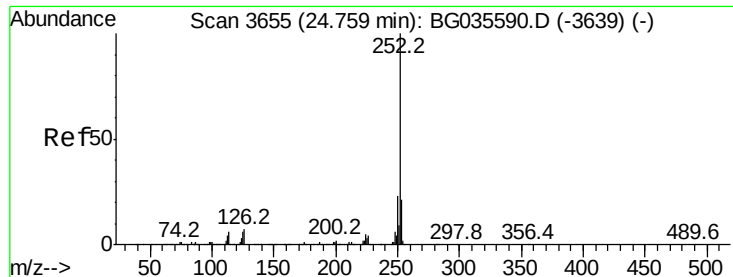
Delta R.T. -0.07 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	252	Resp:	15692
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	8.3	6.6	9.8





#89

Benzo(a)pyrene

Concen: 0.941 ng

RT: 24.70 min Scan# 3645

Delta R.T. -0.01 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Instrument :

BNA_G

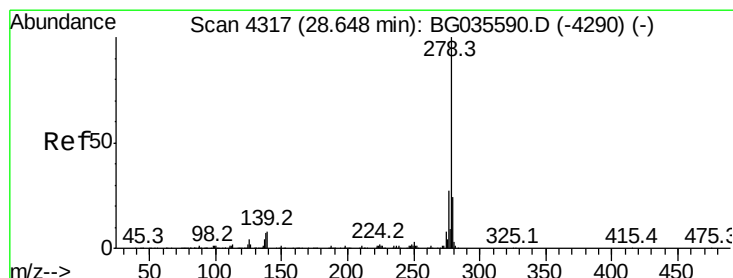
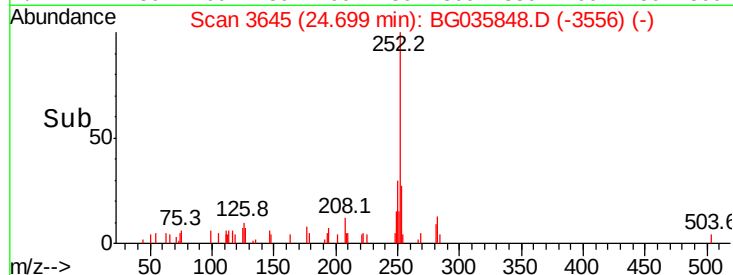
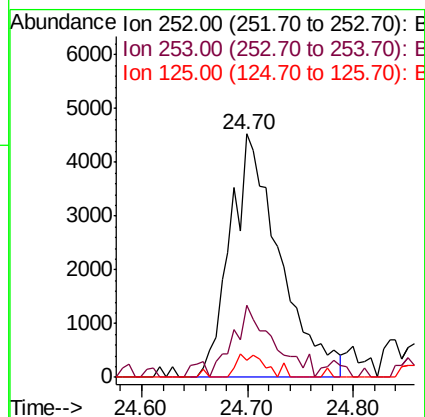
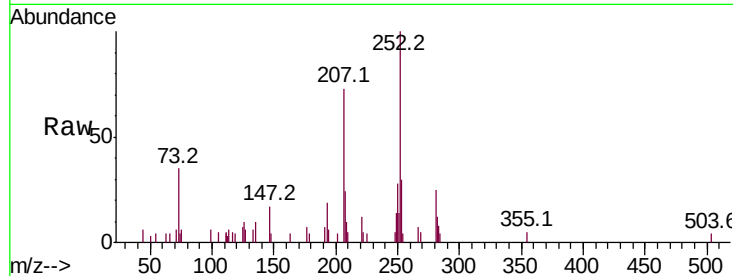
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	252	Resp:	14693
Ion Ratio	Lower	Upper	
252	100		
253	29.7	18.3	27.5#
125	6.9	7.3	10.9#

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#90

Dibenzo(a,h)anthracene

Concen: 0.762 ng m

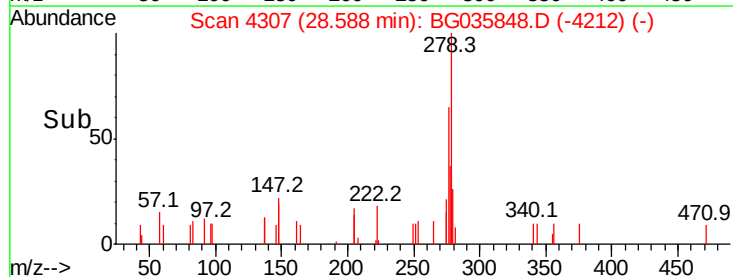
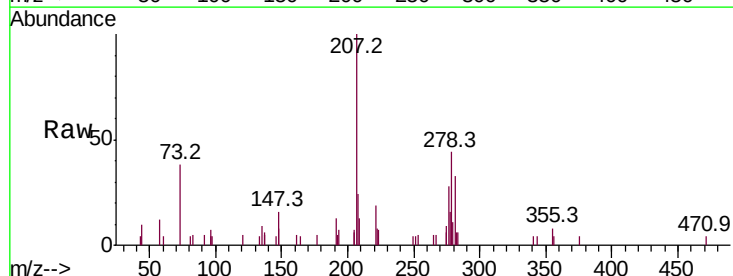
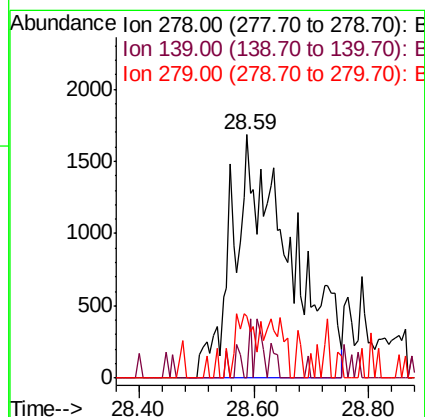
RT: 28.59 min Scan# 4307

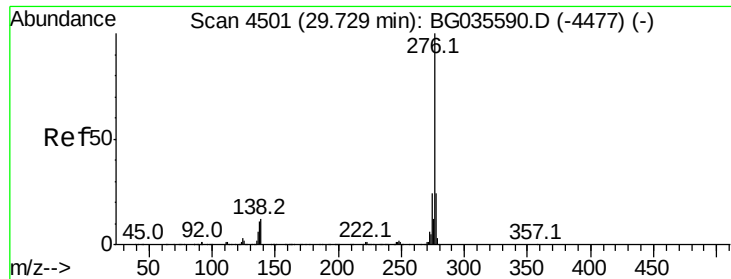
Delta R.T. 0.03 min

Lab File: BG035848.D

Acq: 24 Jul 2018 15:23

Tgt Ion:	278	Resp:	11686
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.8	14.6#
279	25.6	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 0.874 ng m
 RT: 29.67 min Scan# 4492
 Delta R.T. 0.03 min
 Lab File: BG035848.D
 Acq: 24 Jul 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	14.1	18.3	27.5#
138	11.1	13.9	20.9#

Manual Integrations
 APPROVED

Sohil
 7/25/2018 6:34:52 PM

