

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034091.D
 Acq On : 1 May 2018 23:02
 Operator : SJ/JU
 Sample : J2133-03
 Misc : 1PPM MDL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Manual Integrations
 APPROVED

Sohil
 5/2/2018 4:50:48 PM

Quant Time: May 02 15:49:48 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	54400	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	230363	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	177431	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	495799	20.00	ng	0.00
75) Chrysene-d12	21.76	240	609366	20.00	ng	0.00
86) Perylene-d12	25.05	264	592902	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	480055	142.57	ng	0.00
7) Phenol-d6	7.22	99	700586	133.65	ng	0.00
23) Nitrobenzene-d5	9.23	82	496161	82.64	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	349258	142.15	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1034600m	84.97	ng	0.00
78) Terphenyl-d14	20.09	244	2153421	77.42	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.39	93	7895	1.107	ng	# 96
8) 2-Chlorophenol	7.64	128	3657	1.088	ng	# 65
9) Benzaldehyde	7.22	77	4963m	0.087	ng	
10) Phenol	7.24	94	5692	1.077	ng	# 1
11) bis(2-Chloroethyl)ether	7.49	93	4993	1.200	ng	# 72
12) 1,3-Dichlorobenzene	7.96	146	4188	0.985	ng	# 91
13) 1,4-Dichlorobenzene	8.11	146	5164m	1.223	ng	
14) 1,2-Dichlorobenzene	8.43	146	4186	1.044	ng	89
15) Benzyl Alcohol	8.31	79	4845	0.866	ng	# 71
16) 2,2'-oxybis(1-Chloropropan	8.60	45	6129	1.070	ng	73
18) Hexachloroethane	9.17	117	1891	1.053	ng	# 49
24) Nitrobenzene	9.27	77	6238	0.949	ng	# 86
31) Naphthalene	10.94	128	13140	1.085	ng	# 91
34) Hexachlorobutadiene	11.23	225	4365	1.016	ng	# 69
37) 2-Methylnaphthalene	12.55	142	9878	1.006	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	8538	1.244	ng	# 86
45) 1,1'-Biphenyl	13.55	154	15523	1.120	ng	92
46) 2-Chloronaphthalene	13.59	162	11359	1.082	ng	94
47) 2-Nitroaniline	13.79	65	3375	0.804	ng	# 50
48) Acenaphthylene	14.44	152	17720	1.058	ng	# 89
49) Dimethylphthalate	14.17	163	17031	1.107	ng	# 96
50) 2,6-Dinitrotoluene	14.28	165	2612	0.884	ng	# 63
51) Acenaphthene	14.78	154	11285	0.991	ng	99
54) Dibenzofuran	15.11	168	18325	1.110	ng	91
57) Fluorene	15.77	166	16618	1.155	ng	# 82
58) 2,3,4,6-Tetrachlorophenol	15.33	232	4004	0.878	ng	# 86
59) Diethylphthalate	15.53	149	16179	0.994	ng	# 97
62) Azobenzene	16.05	77	17339	0.986	ng	87
65) n-Nitrosodiphenylamine	15.97	169	12713	0.940	ng	# 90
66) 4-Bromophenyl-phenylether	16.66	248	6709	1.090	ng	94
67) Hexachlorobenzene	16.76	284	5611	0.898	ng	# 88
68) Atrazine	16.91	200	4329	1.434	ng	88
70) Phenanthrene	17.51	178	27632	1.085	ng	# 93
71) Anthracene	17.60	178	24874	0.963	ng	# 92

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Manual Integrations
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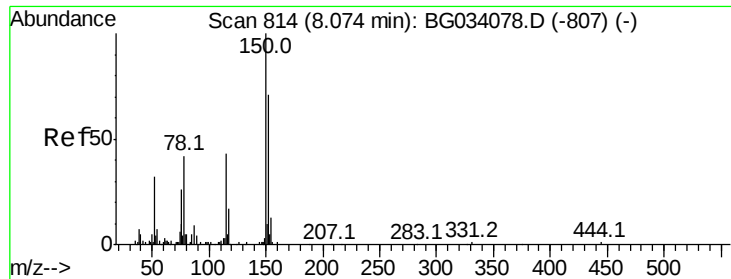
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 5/2/2018 4:50:48 PM

Quant Time: May 02 15:49:48 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Carbazole	17.86	167	24958	1.056	nq	# 94
73) Di-n-butylphthalate	18.44	149	30198	1.061	nq	# 98
74) Fluoranthene	19.52	202	36214	1.125	nq	94
77) Pyrene	19.88	202	36346m	0.952	nq	
79) Butylbenzylphthalate	20.78	149	12173	0.817	nq	# 71
80) Benzo(a)anthracene	21.74	228	42018	1.076	nq	97
82) Chrysene	21.81	228	38233m	1.023	nq	
83) Bis(2-ethylhexyl)phthalate	21.68	149	20855	1.017	nq	# 98
84) Di-n-octyl phthalate	22.92	149	32397	0.989	nq	# 94
85) Indeno(1,2,3-cd)pyrene	28.79	276	33437m	0.813	nq	
87) Benzo(b)fluoranthene	24.00	252	35287	0.942	nq	98
88) Benzo(k)fluoranthene	24.06	252	34159	0.954	nq	# 81
89) Benzo(a)pyrene	24.89	252	32869	0.938	nq	# 95
90) Dibenzo(a,h)anthracene	28.87	278	31535	0.955	nq	# 89
91) Benzo(a,h,i)perylene	29.93	276	30866m	0.948	nq	

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



#1

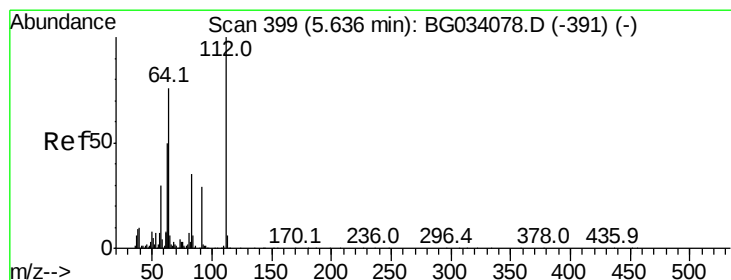
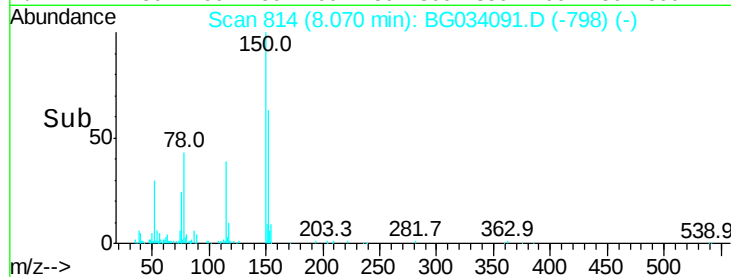
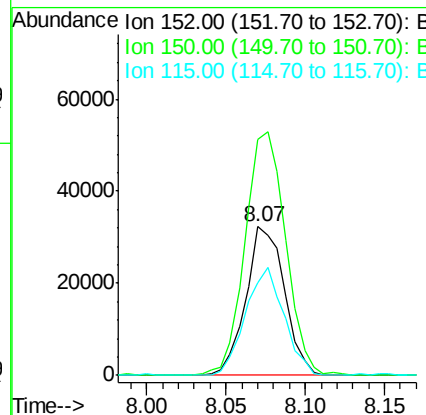
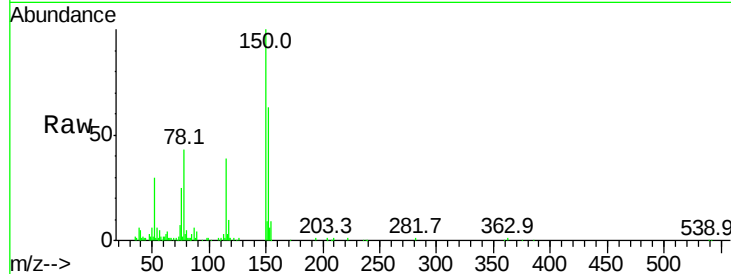
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	62.3	53.0	79.4

Manual Integrations
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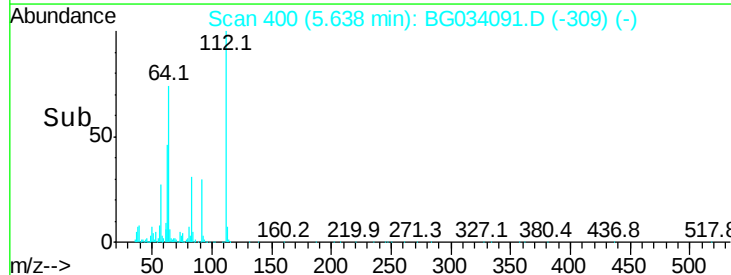
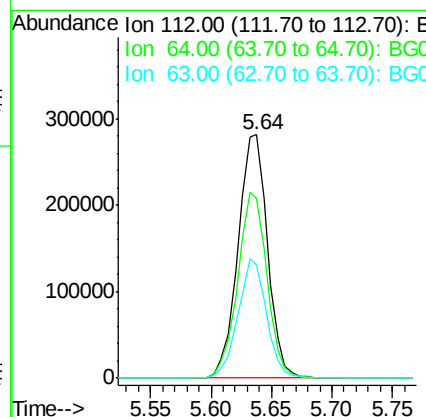
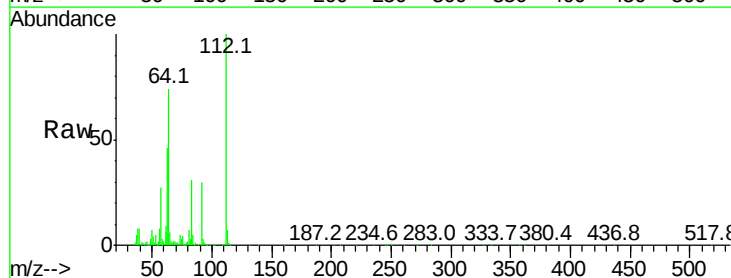
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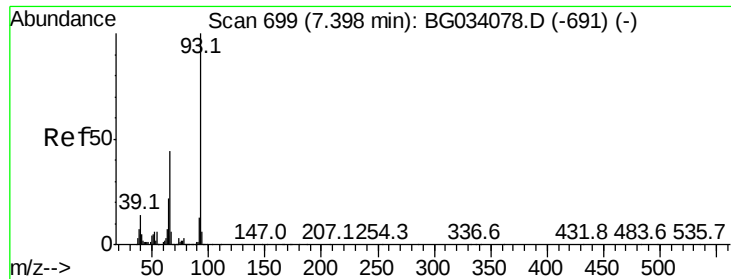


#5

2-Fluorophenol
Concen: 142.572 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	56.3	84.5
63	46.4	30.1	45.1#





#6

Aniline

Concen: 1.107 ng

RT: 7.39 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

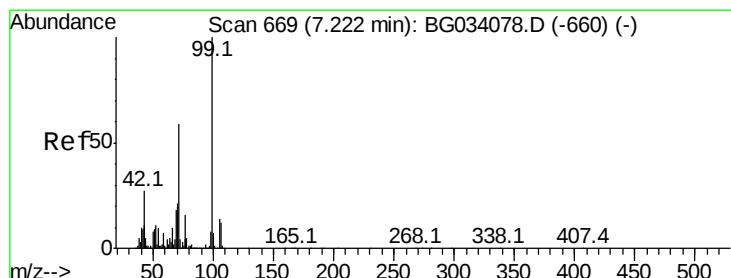
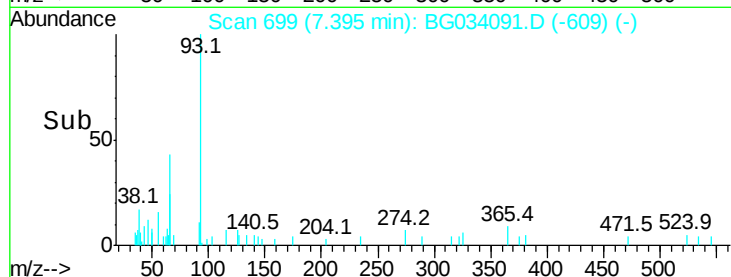
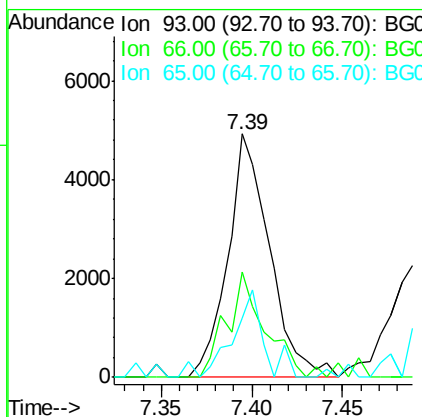
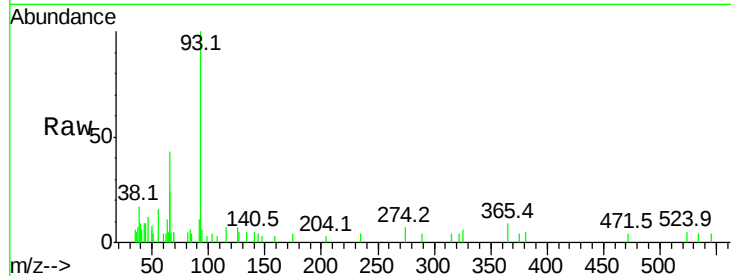
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	93	Resp:	7895
Ion	Ratio	Lower	Upper
93	100		
66	43.2	33.7	50.5
65	24.2	16.1	24.1#

Manual Integrations
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#7

Phenol-d6

Concen: 133.650 ng

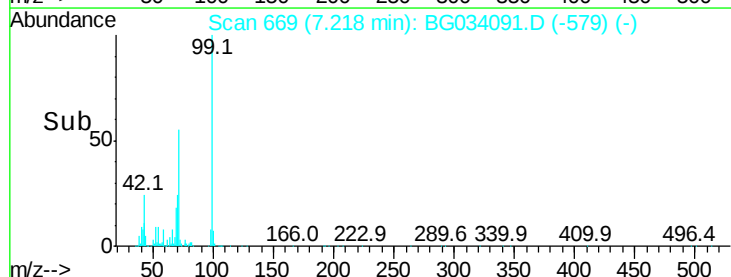
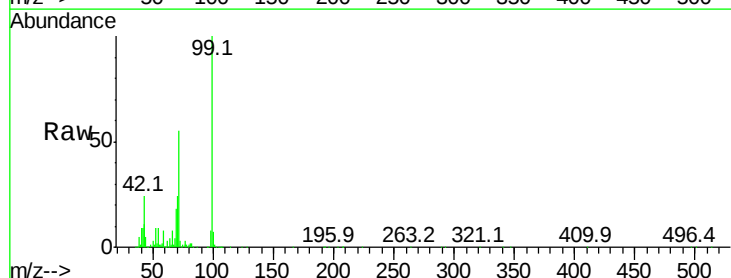
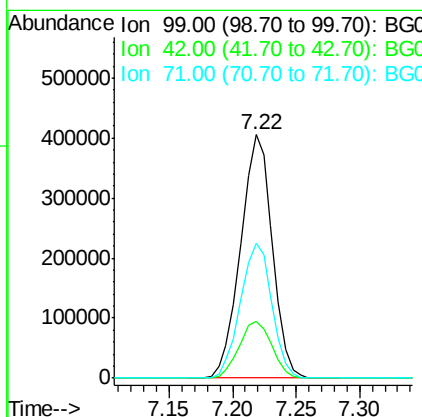
RT: 7.22 min Scan# 669

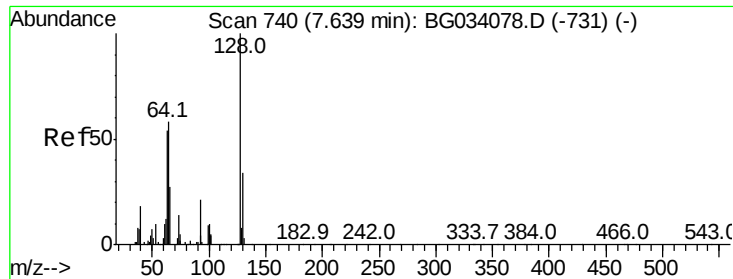
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	99	Resp:	700586
Ion	Ratio	Lower	Upper
99	100		
42	23.5	14.1	21.1#
71	55.3	26.1	39.1#





#8

2-Chlorophenol

Concen: 1.088 ng

RT: 7.64 min Scan# 741

Delta R.T. 0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

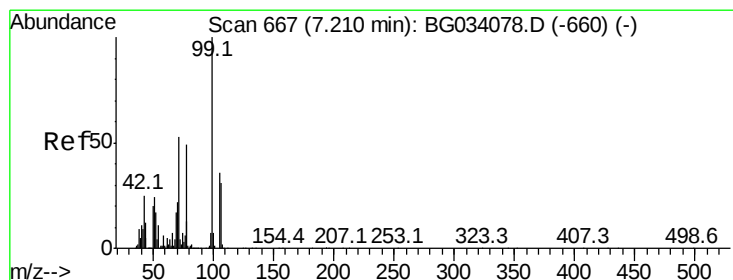
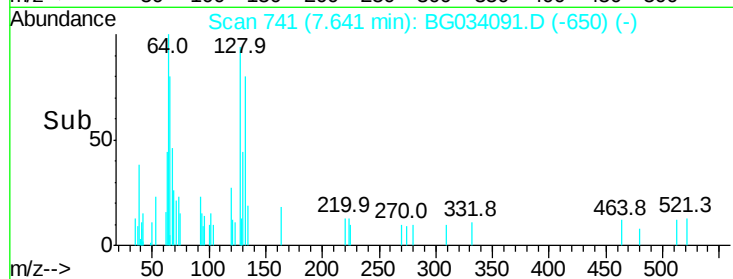
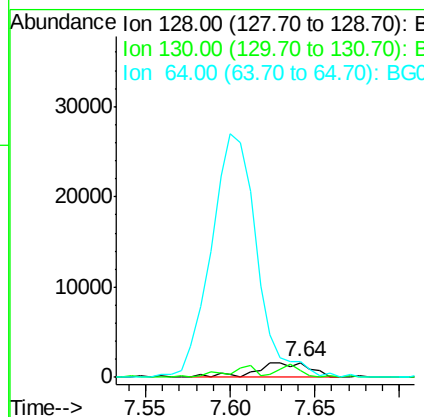
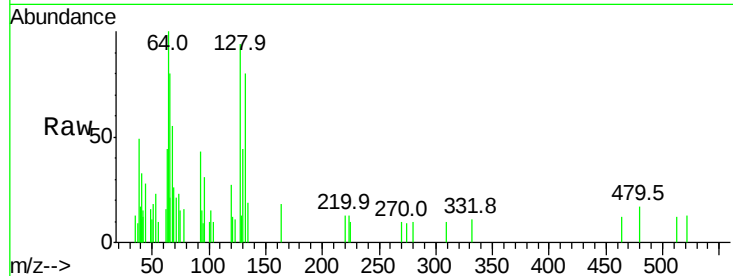
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
128	100		
130	41.5	14.0	54.0
64	93.8	37.7	77.7#

Manual Integrations
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5/2/2018 4:50:48 PM



#9

Benzaldehyde

Concen: 0.087 ng m

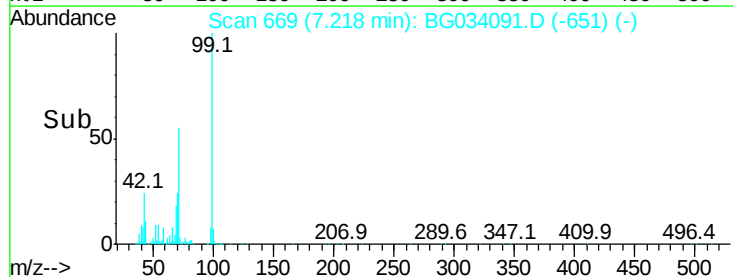
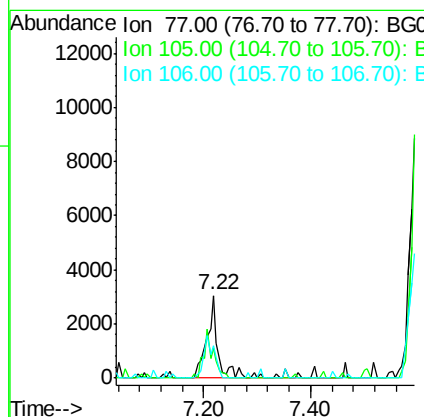
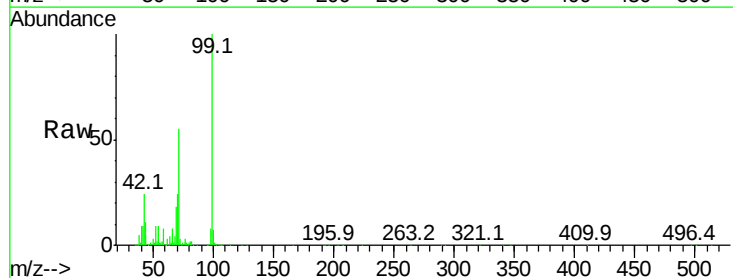
RT: 7.22 min Scan# 669

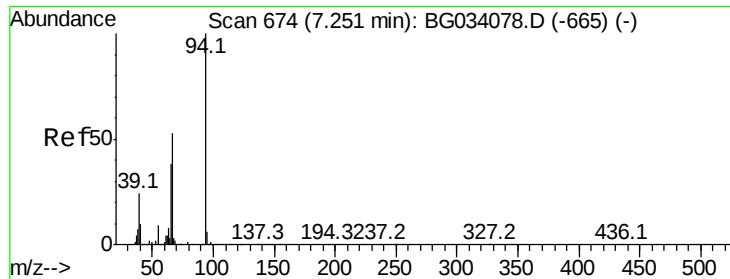
Delta R.T. 0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
77	100		
105	36.2	71.3	111.3#
106	39.5	64.2	104.2#





#10

Phenol

Concen: 1.077 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

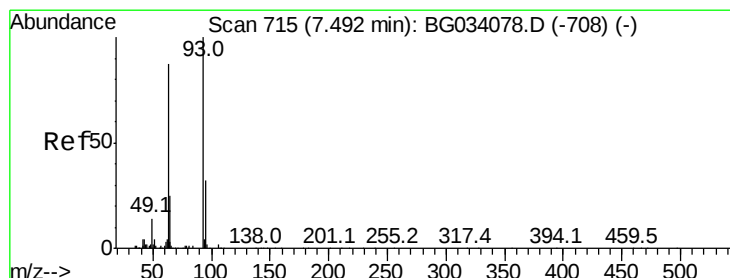
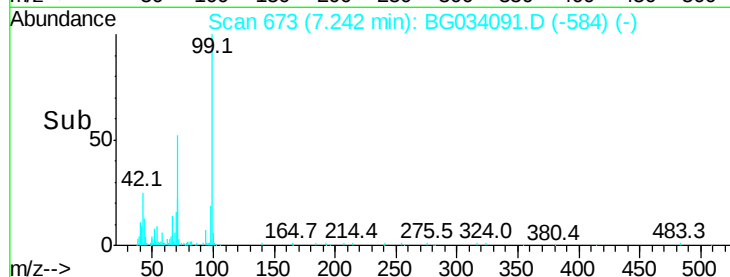
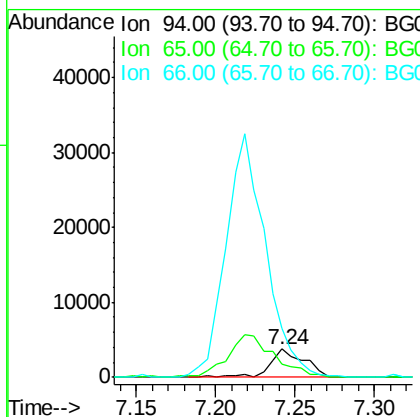
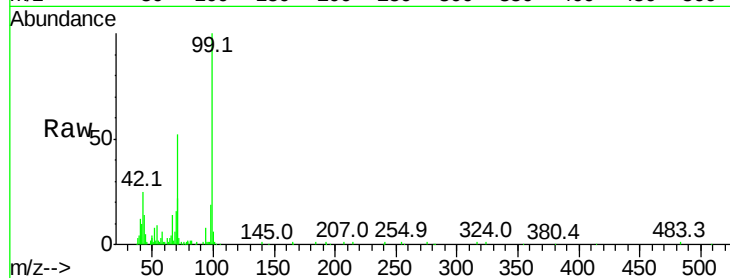
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	94	Resp:	5692
Ion Ratio	Lower	Upper	
94	100		
65	49.0	11.9	51.9
66	174.8	22.2	62.2#

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 1.200 ng

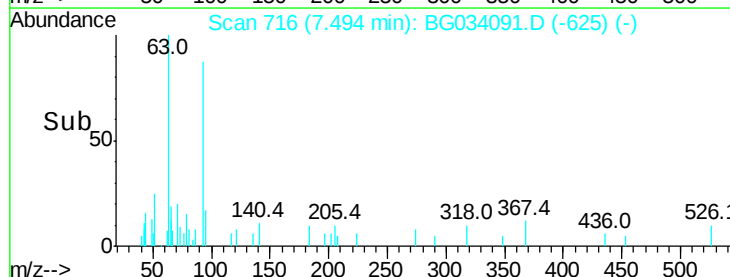
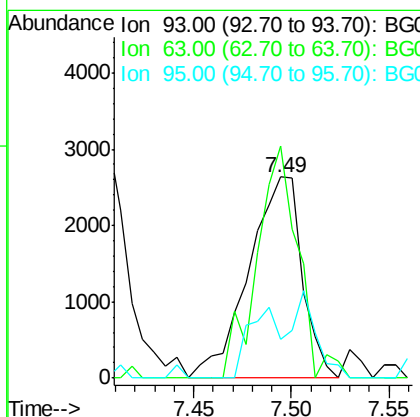
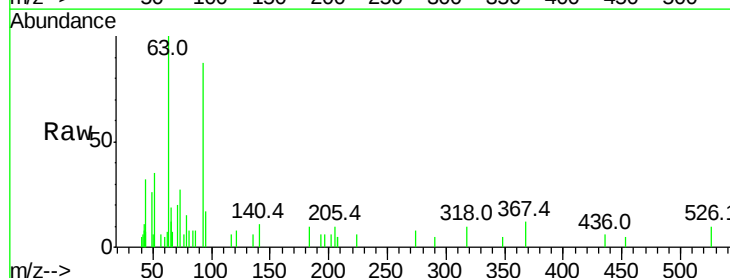
RT: 7.49 min Scan# 716

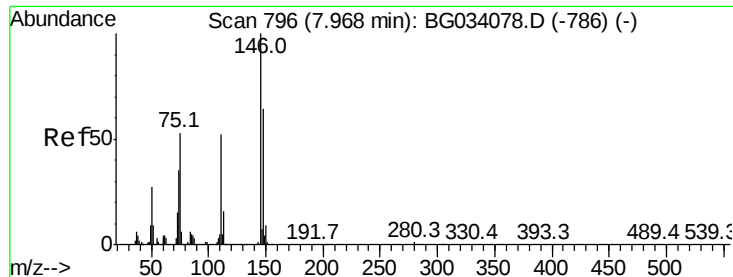
Delta R.T. 0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	93	Resp:	4993
Ion Ratio	Lower	Upper	
93	100		
63	115.3	67.1	107.1#
95	19.6	11.5	51.5





#12

1,3-Dichlorobenzene

Concen: 0.985 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

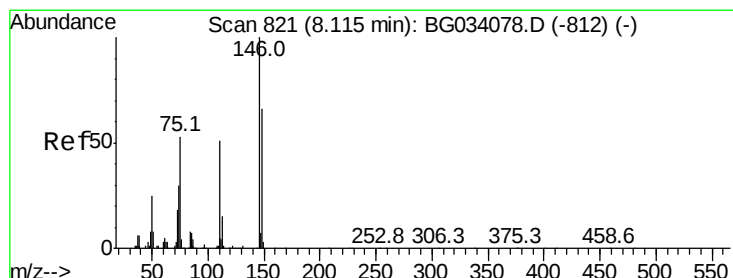
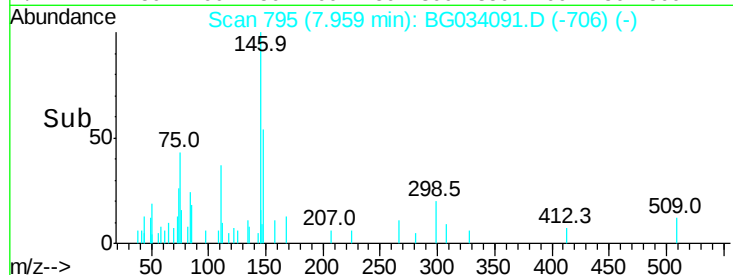
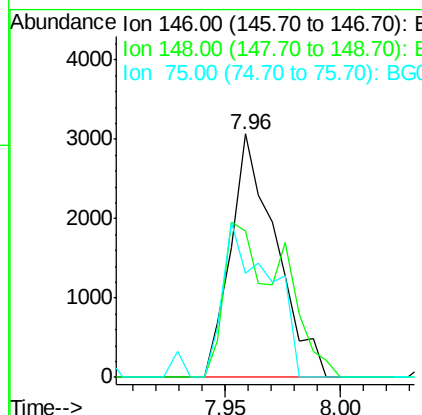
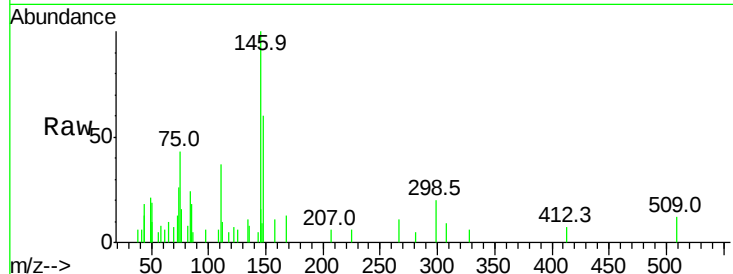
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	146	Resp:	4188
Ion Ratio	Lower	Upper	
146	100		
148	60.3	51.4	77.2
75	42.7	26.6	39.8#

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#13

1,4-Dichlorobenzene

Concen: 1.223 ng m

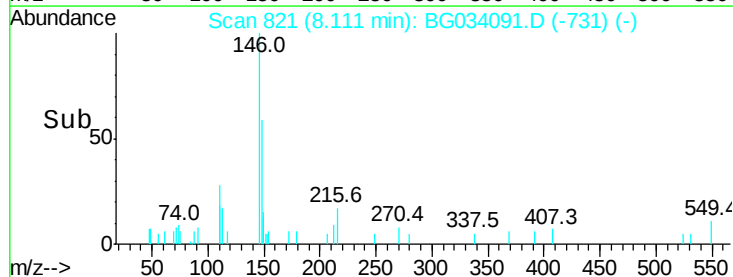
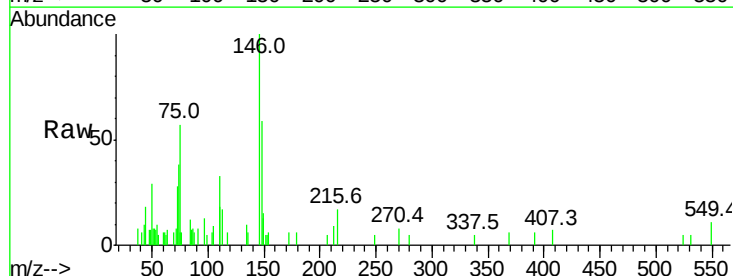
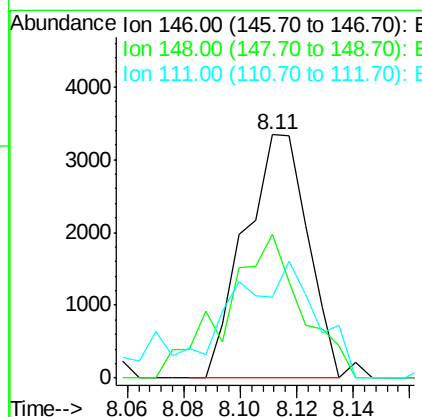
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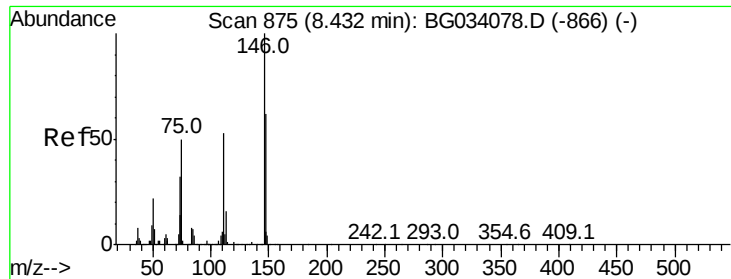
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	146	Resp:	5164
Ion Ratio	Lower	Upper	
146	100		
148	59.0	53.7	80.5
111	33.1	35.2	52.8#





#14

1,2-Dichlorobenzene

Concen: 1.044 ng

RT: 8.43 min Scan# 875

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

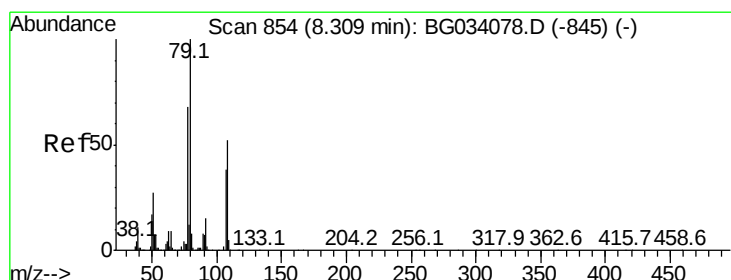
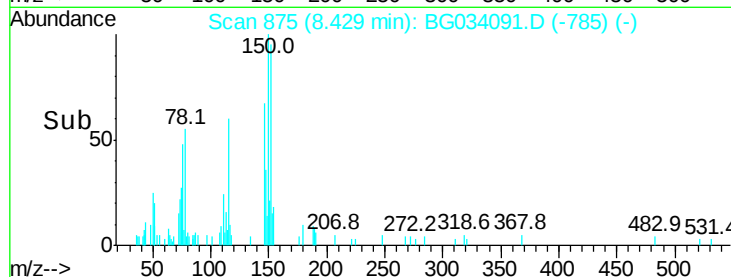
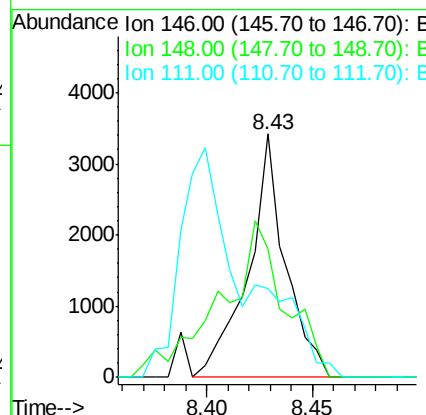
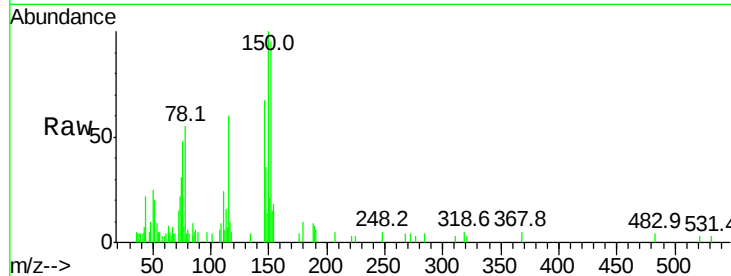
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	146	Resp:	4186
Ion Ratio	Lower	Upper	
146	100		
148	53.0	49.3	73.9
111	36.2	34.3	51.5

Manual Integrations
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#15

Benzyl Alcohol

Concen: 0.866 ng

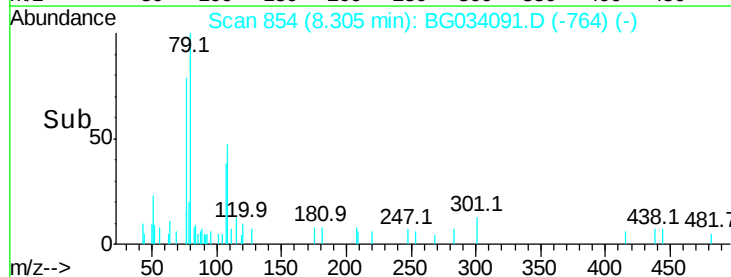
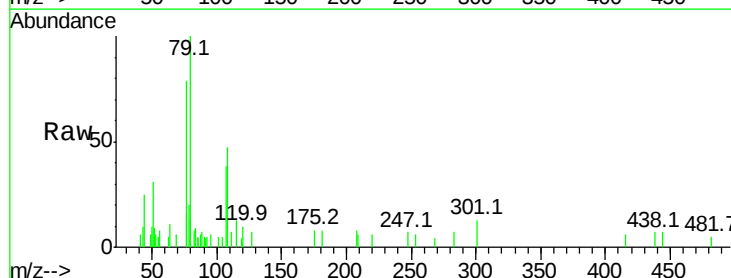
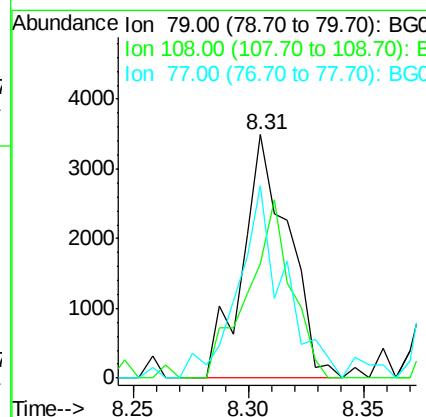
RT: 8.31 min Scan# 854

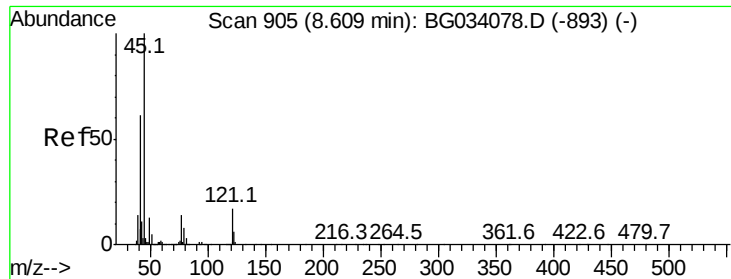
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	79	Resp:	4845
Ion Ratio	Lower	Upper	
79	100		
108	47.0	57.2	85.8#
77	79.3	46.1	69.1#





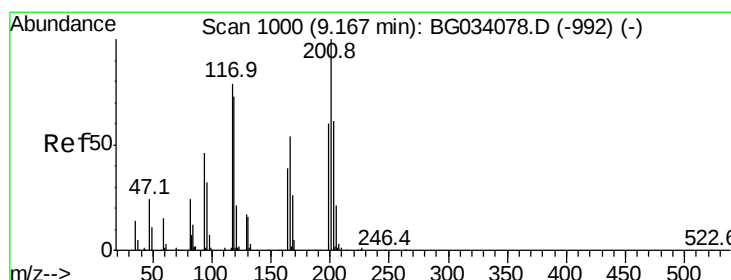
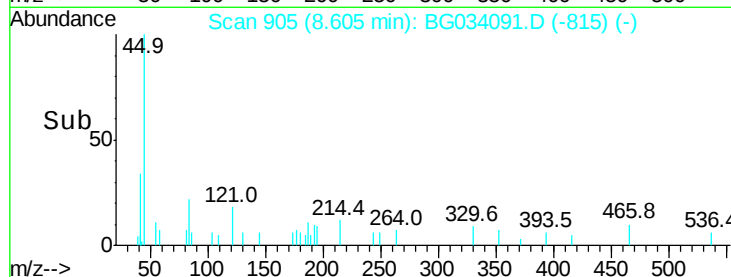
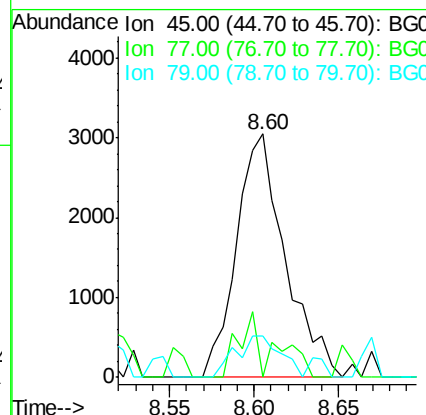
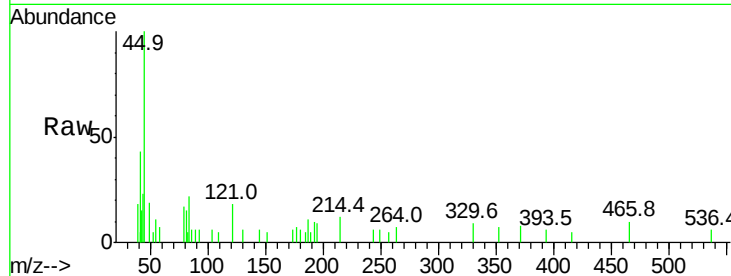
#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 1.070 ng
 RT: 8.60 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	30.2
79	16.9	0.0	27.9

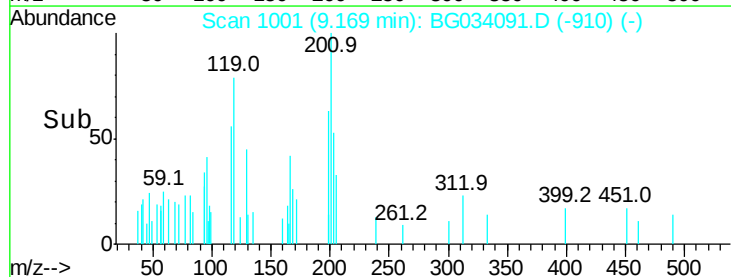
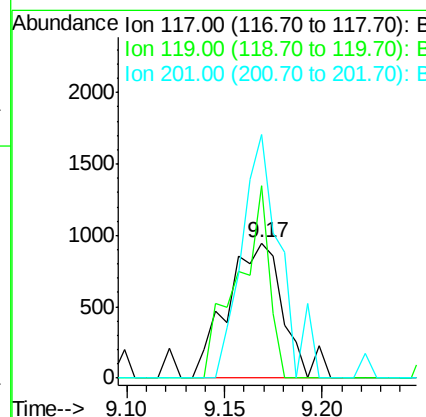
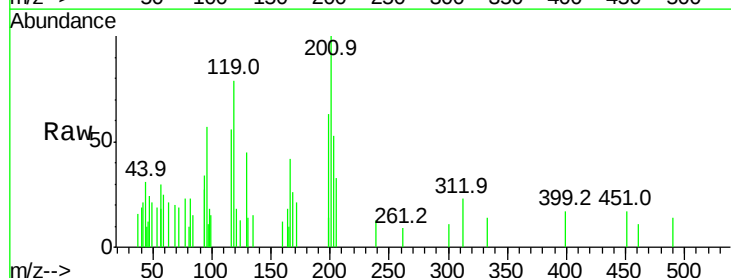
Manual Integrations
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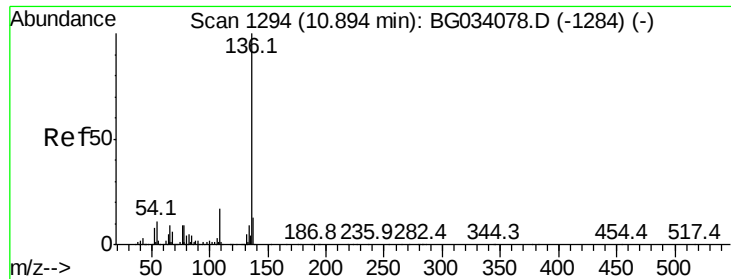
Sohil
 5/2/2018 4:50:48 PM



#18
 Hexachloroethane
 Concen: 1.053 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	142.3	76.7	115.1#
201	180.1	95.7	143.5#





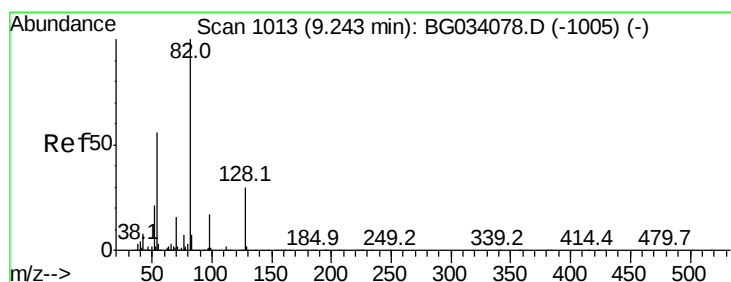
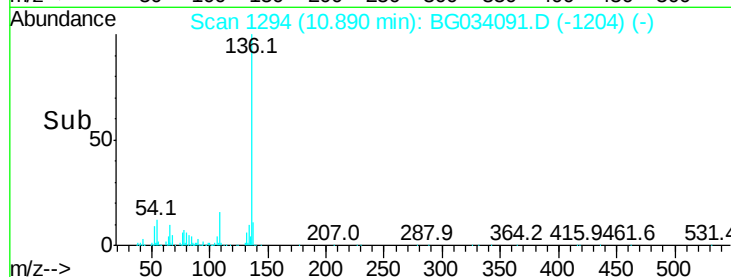
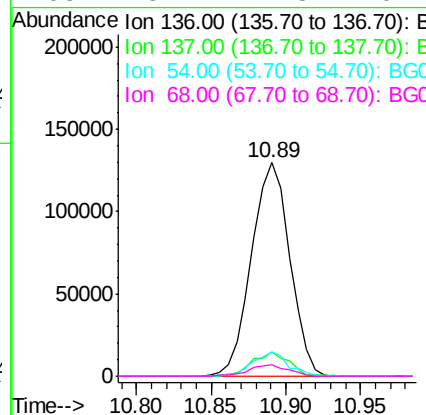
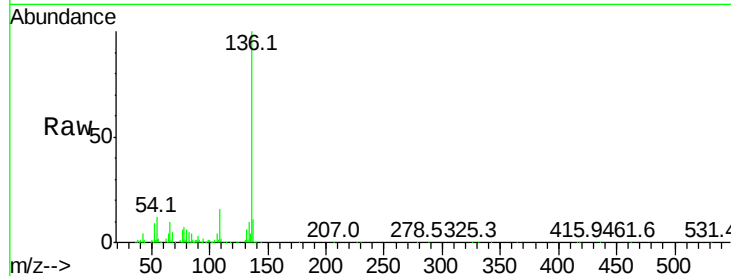
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.2	13.8	
54	11.6	10.3	15.5	
68	5.2	4.5	6.7	

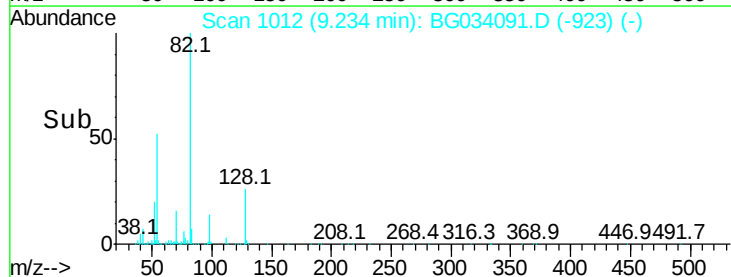
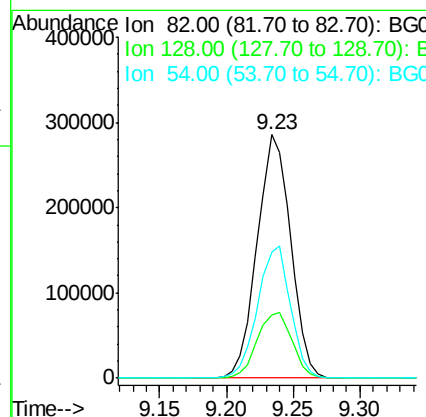
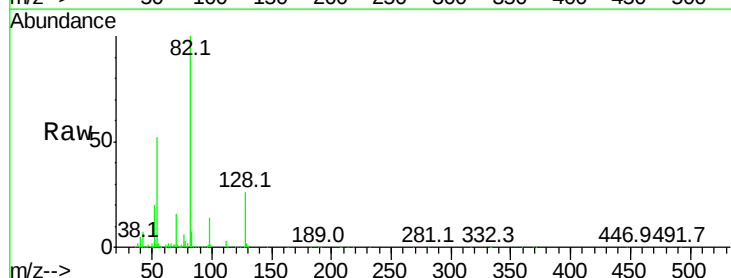
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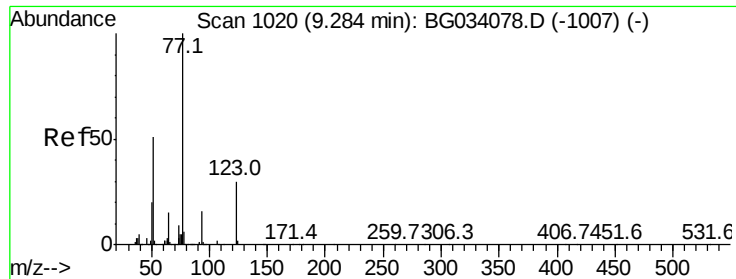
Sohil
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#23
Nitrobenzene-d5
Concen: 82.638 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	25.8	29.7	44.5#	
54	51.7	43.1	64.7	





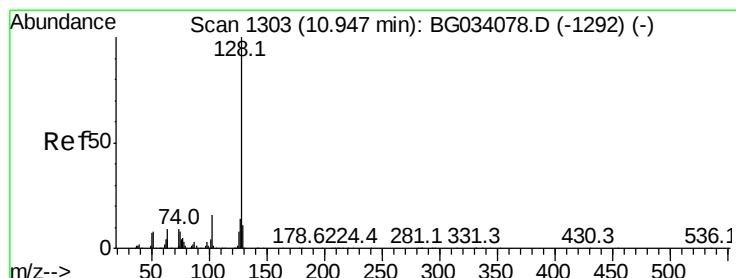
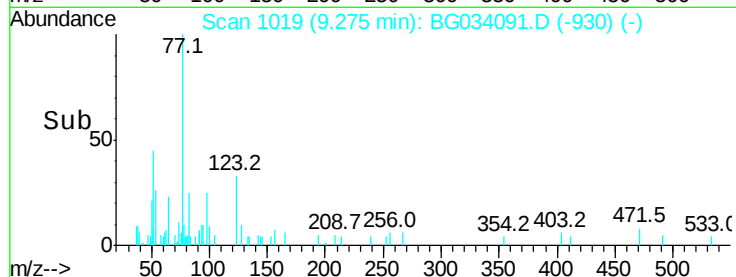
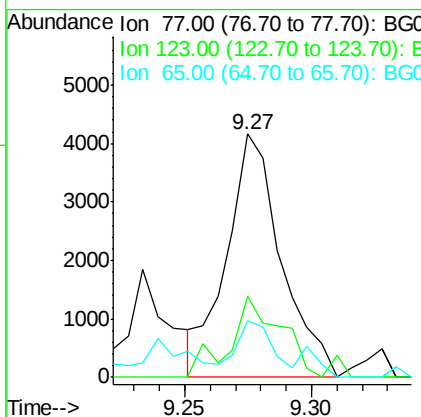
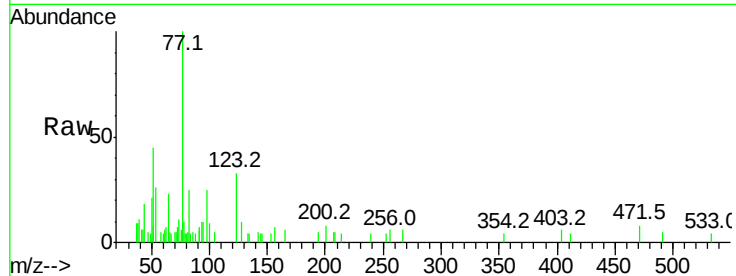
#24
Nitrobenzene
Concen: 0.949 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
77	100		
123	33.2	33.0	49.6
65	23.3	13.0	19.6

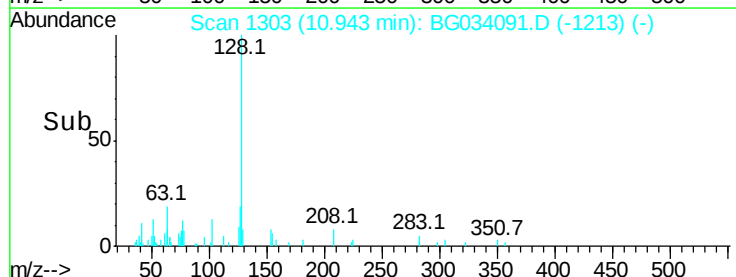
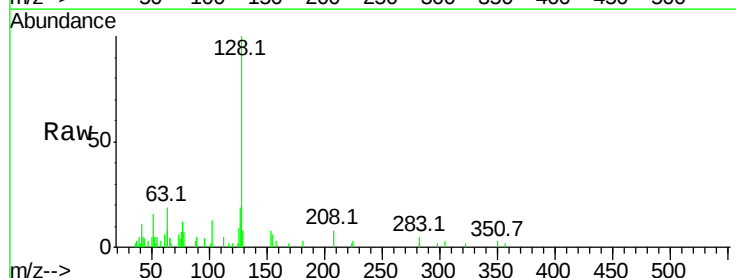
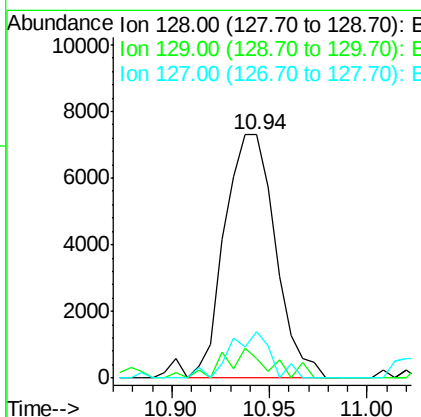
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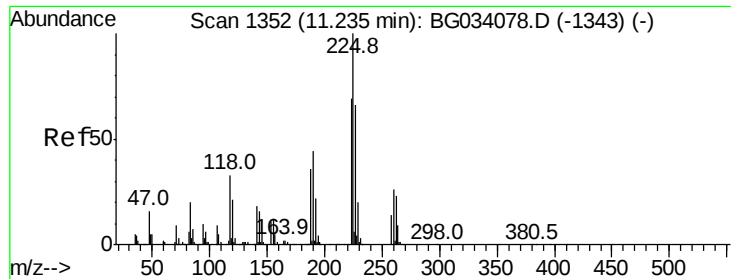
Sohil
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#31
Naphthalene
Concen: 1.085 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.8	8.6	12.8
127	18.9	11.6	17.4





#34

Hexachlorobutadiene

Concen: 1.016 ng

RT: 11.23 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

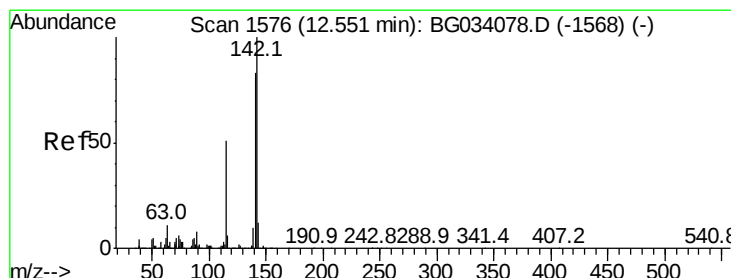
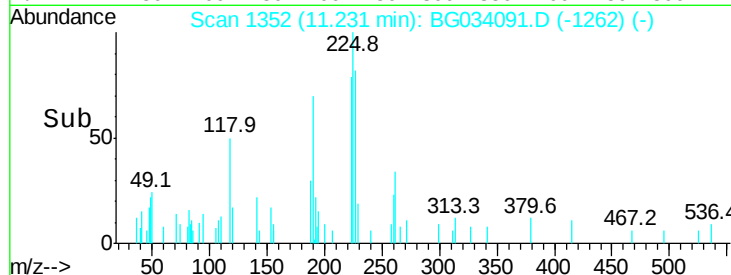
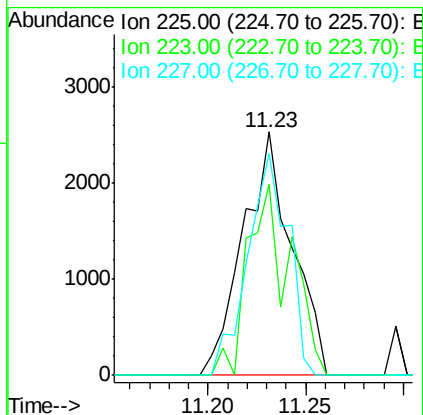
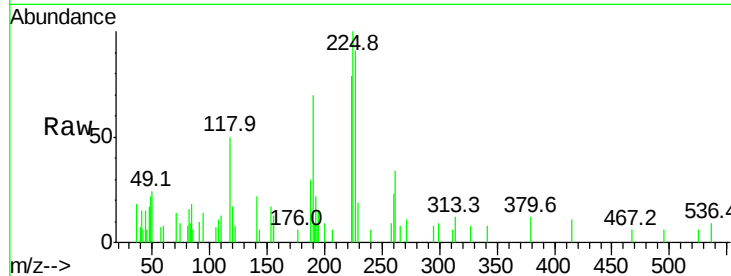
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	225	Resp:	4365
Ion Ratio	Lower	Upper	
225	100		
223	78.7	49.7	74.5#
227	91.2	48.1	72.1#

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#37

2-Methylnaphthalene

Concen: 1.006 ng

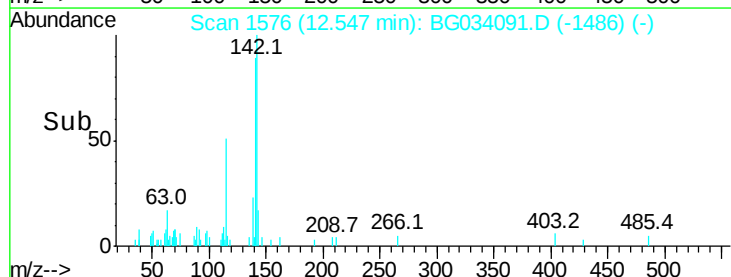
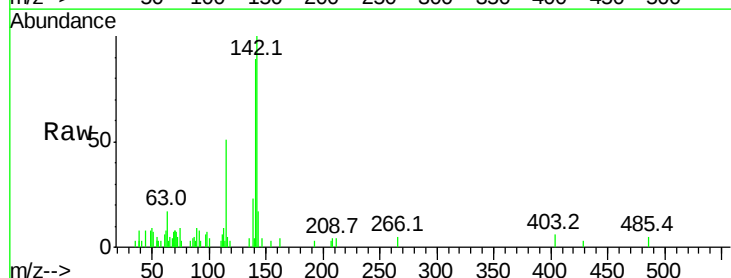
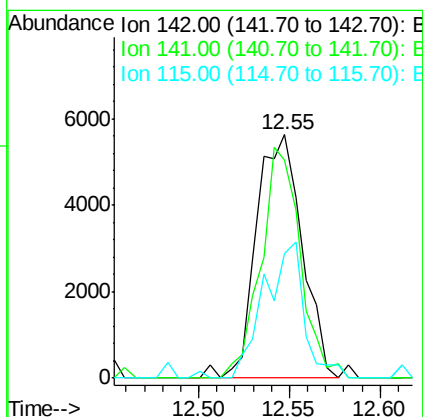
RT: 12.55 min Scan# 1576

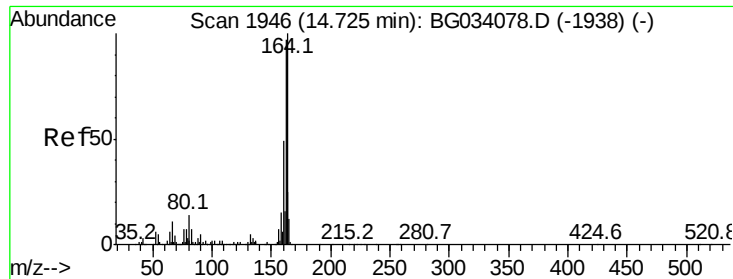
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	142	Resp:	9878
Ion Ratio	Lower	Upper	
142	100		
141	89.4	67.1	100.7
115	51.2	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

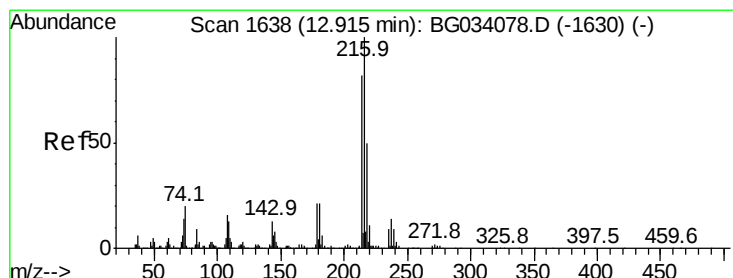
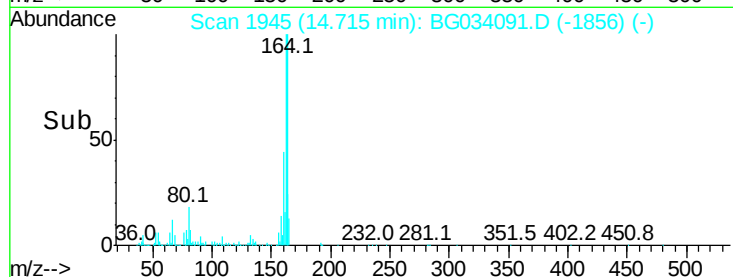
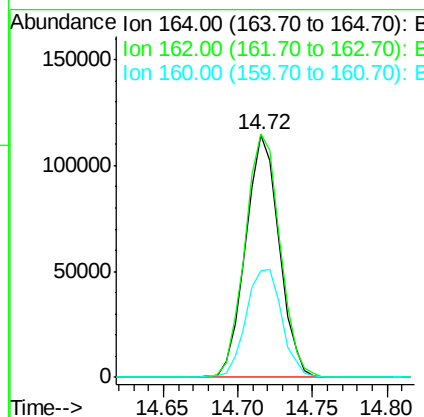
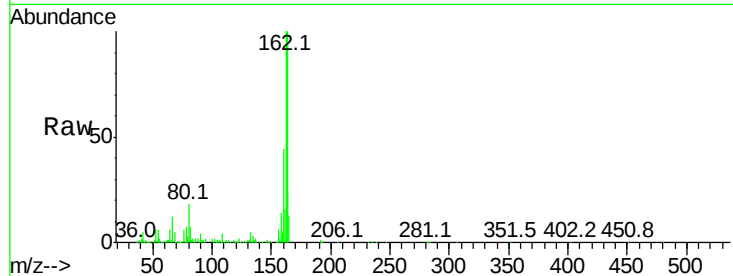
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	164	Resp:	177431
Ion Ratio	Lower	Upper	
164	100		
162	100.2	78.8	118.2
160	44.2	35.4	53.0

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.244 ng

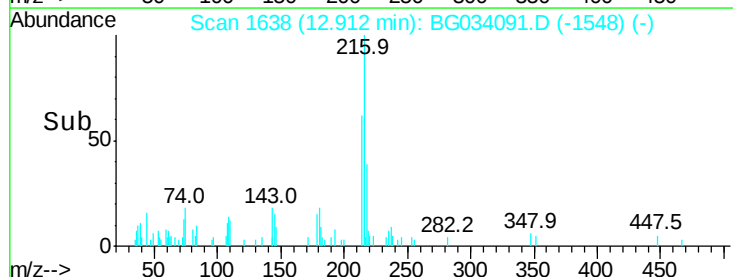
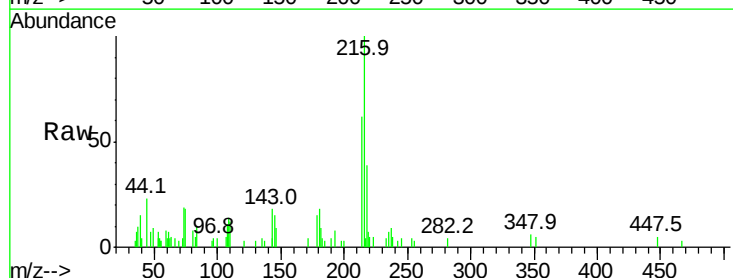
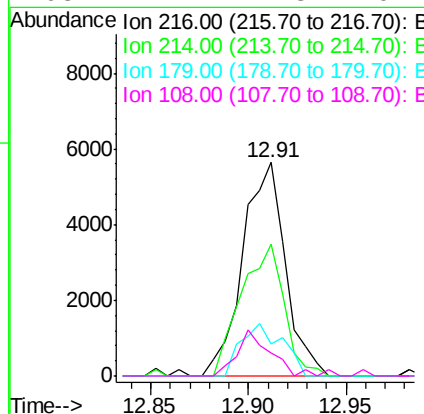
RT: 12.91 min Scan# 1638

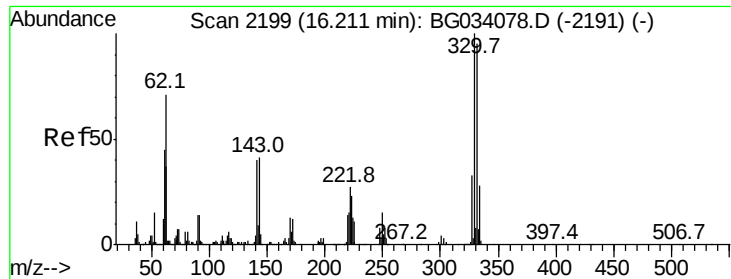
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	216	Resp:	8538
Ion Ratio	Lower	Upper	
216	100		
214	62.0	63.0	94.4#
179	23.6	17.0	25.6
108	17.1	12.8	19.2





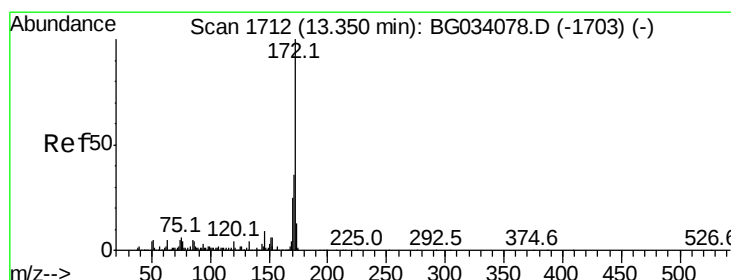
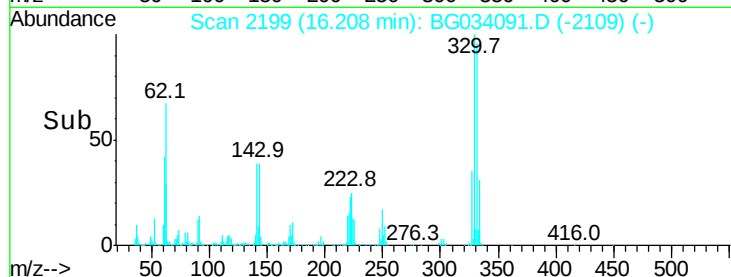
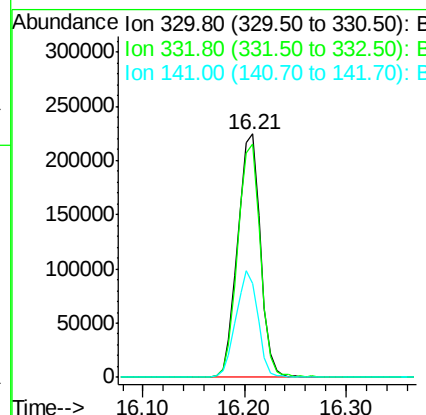
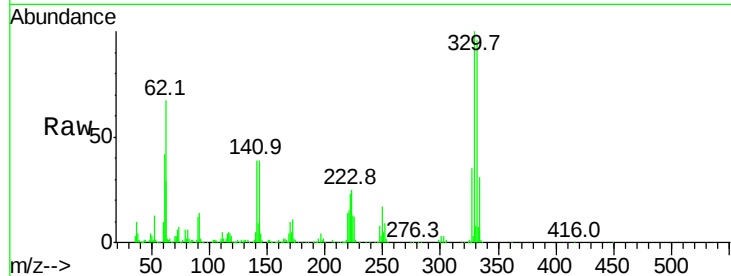
#41
 2,4,6-Tribromophenol
 Concen: 142.154 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	42.3	25.2	37.8

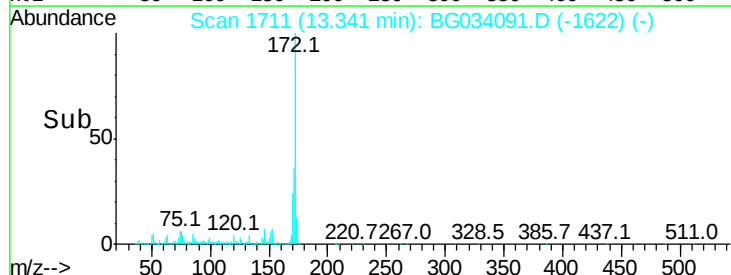
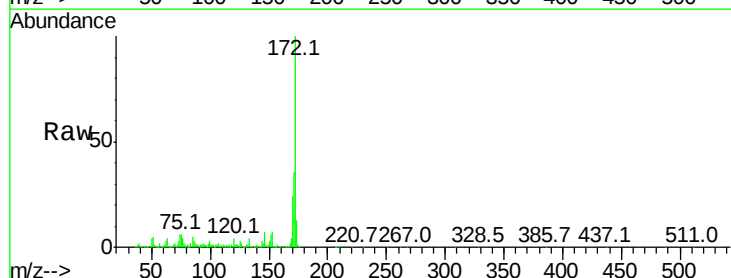
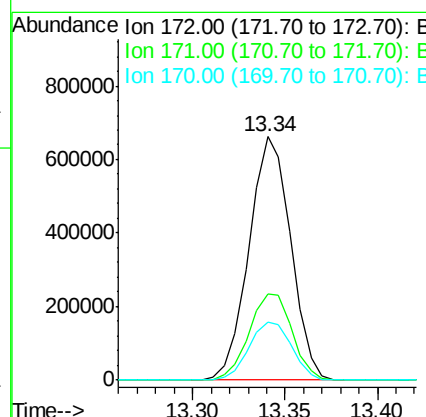
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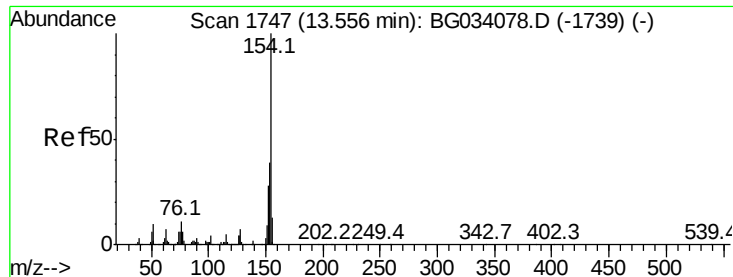
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 84.967 ng m
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	23.7	19.5	29.3





#45

1,1'-Biphenyl

Concen: 1.120 ng

RT: 13.55 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

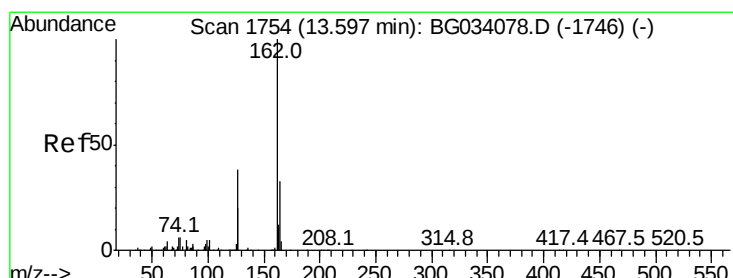
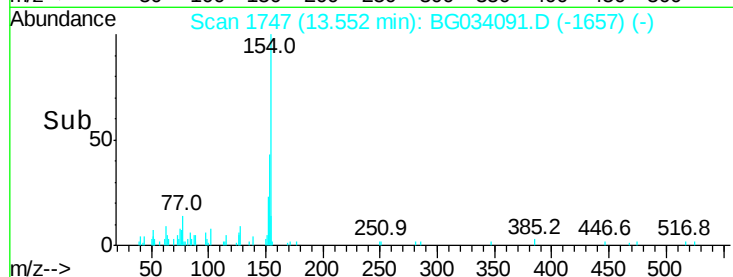
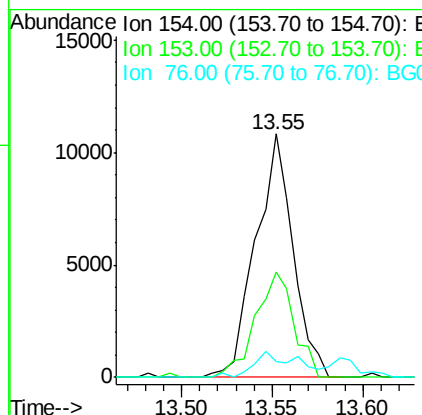
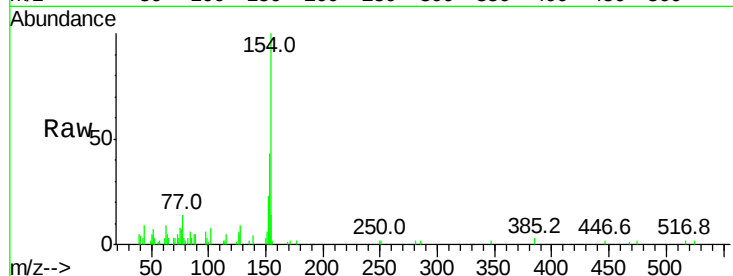
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	154	Resp:	15523
Ion Ratio	Lower	Upper	
154	100		
153	43.3	19.8	59.8
76	6.5	0.0	31.9

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#46

2-Chloronaphthalene

Concen: 1.082 ng

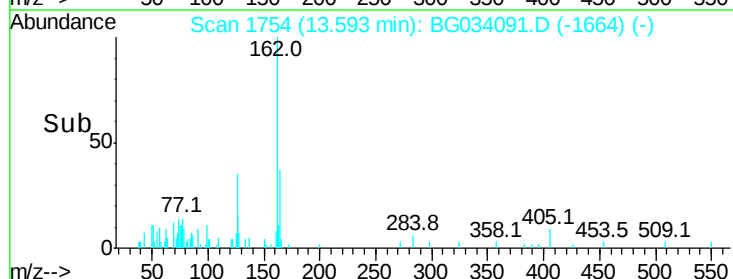
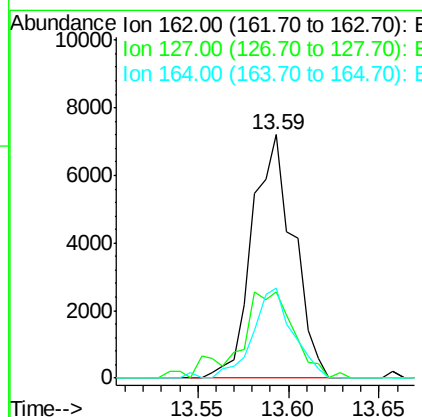
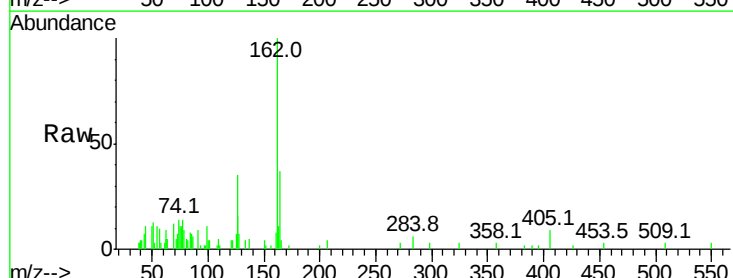
RT: 13.59 min Scan# 1754

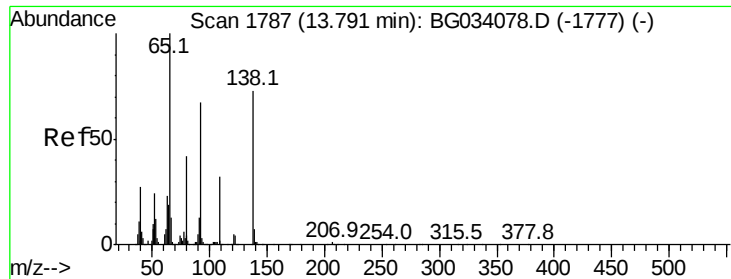
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	162	Resp:	11359
Ion Ratio	Lower	Upper	
162	100		
127	35.2	30.7	46.1
164	36.8	26.0	39.0





#47

2-Nitroaniline

Concen: 0.804 ng

RT: 13.79 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

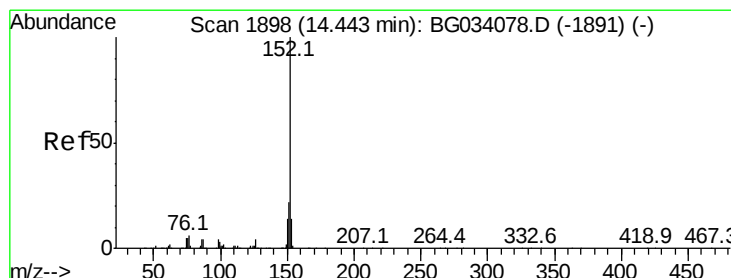
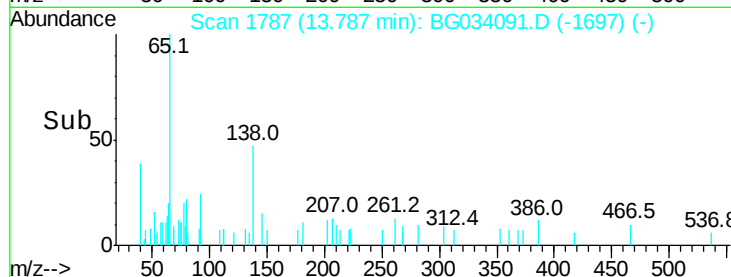
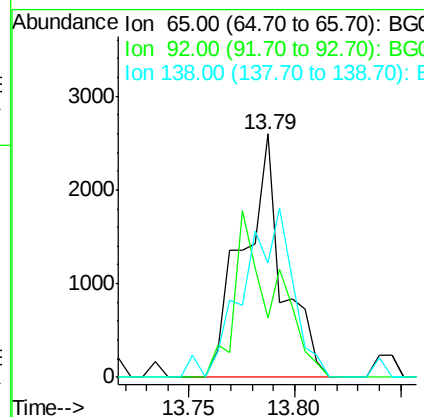
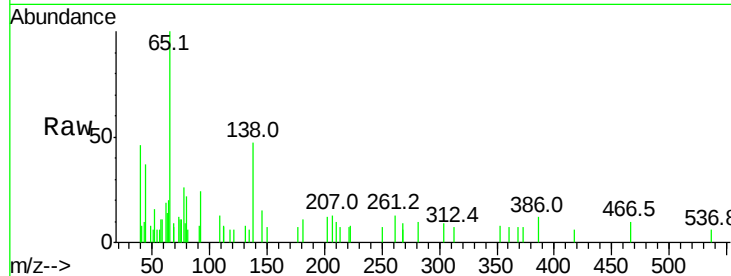
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	65	Resp:	3375
Ion Ratio	Lower	Upper	
65	100		
92	24.1	54.6	82.0#
138	47.1	72.9	109.3#

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#48

Acenaphthylene

Concen: 1.058 ng

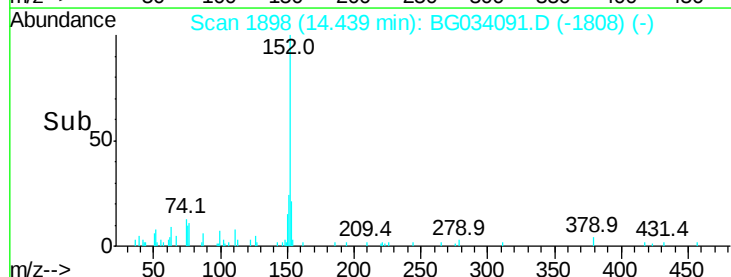
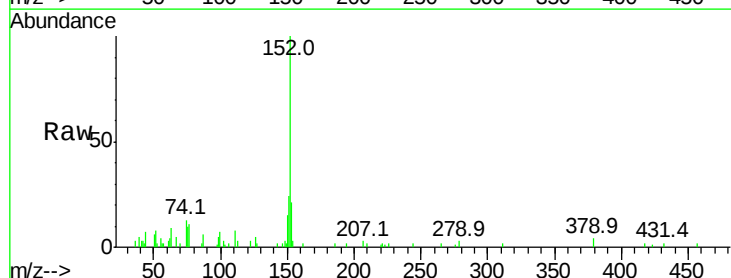
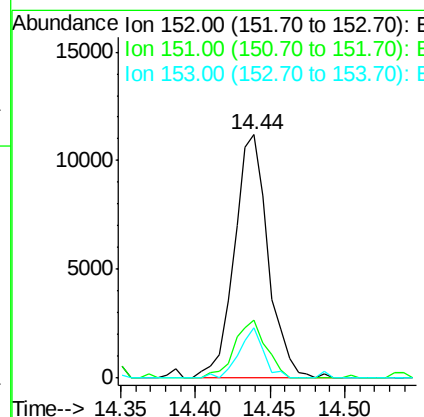
RT: 14.44 min Scan# 1898

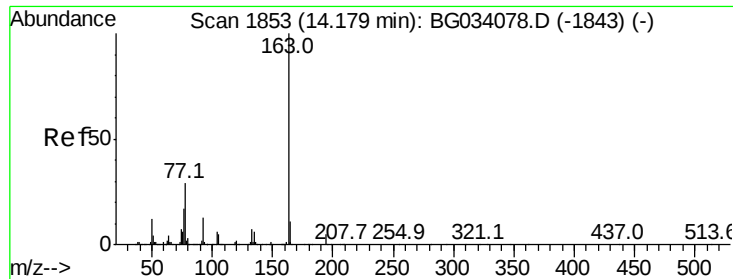
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	152	Resp:	17720
Ion Ratio	Lower	Upper	
152	100		
151	24.0	17.2	25.8
153	20.7	10.2	15.4#





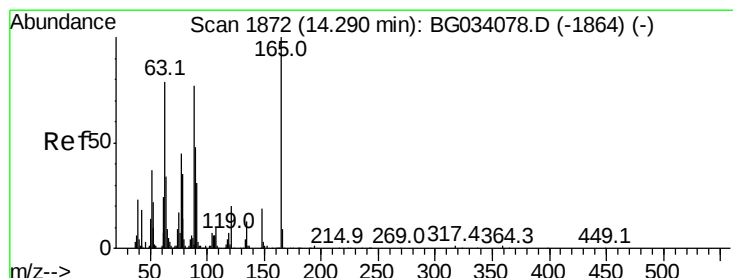
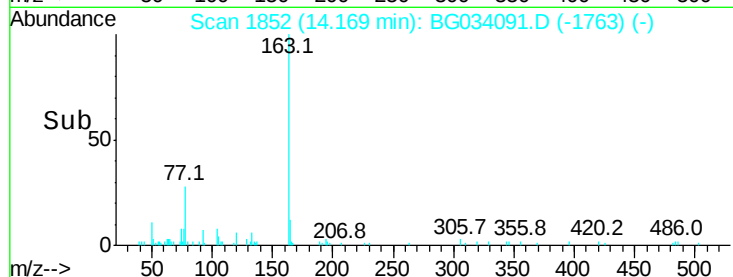
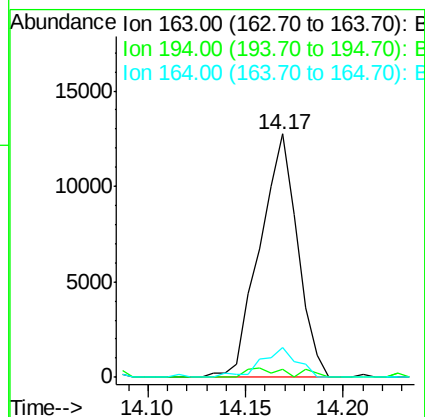
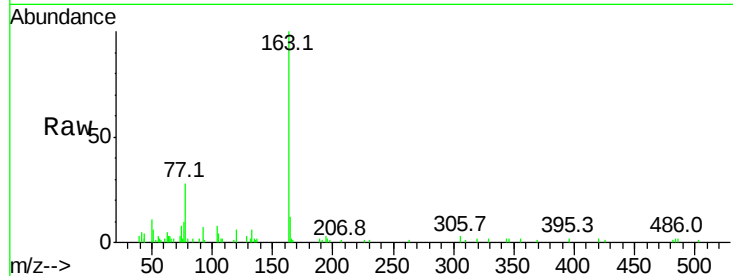
#49
Dimethylphthalate
Concen: 1.107 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.4	5.2#
164	12.0	8.2	12.4

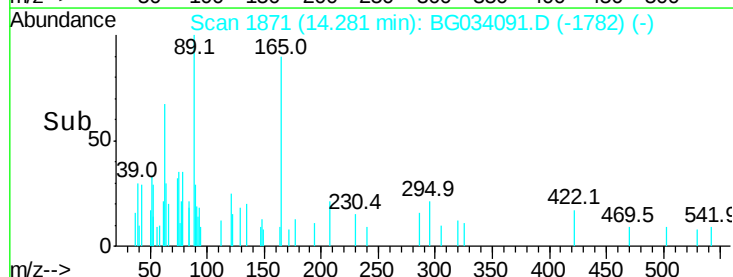
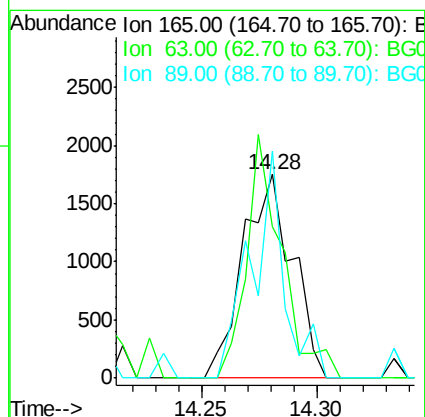
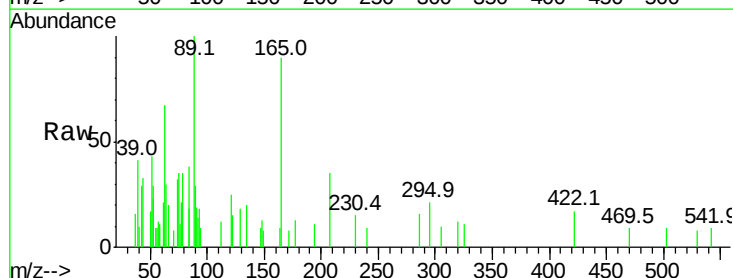
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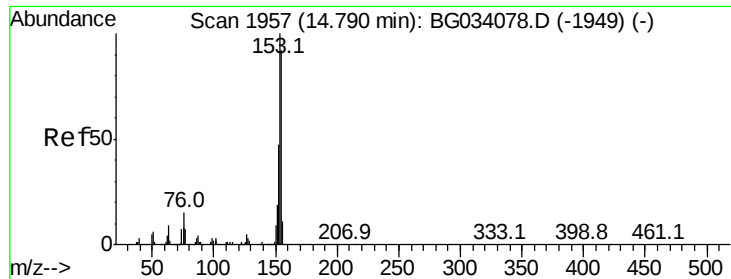
Sohil
5/2/2018 4:50:48 PM



#50
2,6-Dinitrotoluene
Concen: 0.884 ng
RT: 14.28 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	74.2	52.7	79.1
89	111.4	49.2	73.8#





#51

Acenaphthene

Concen: 0.991 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

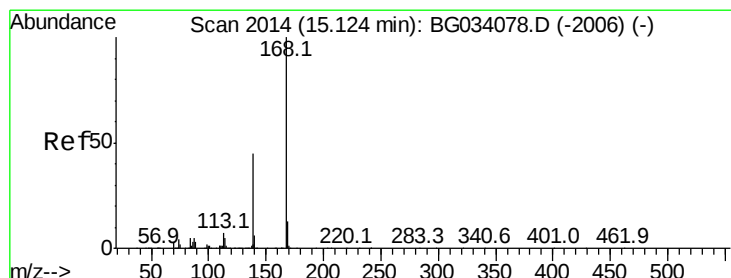
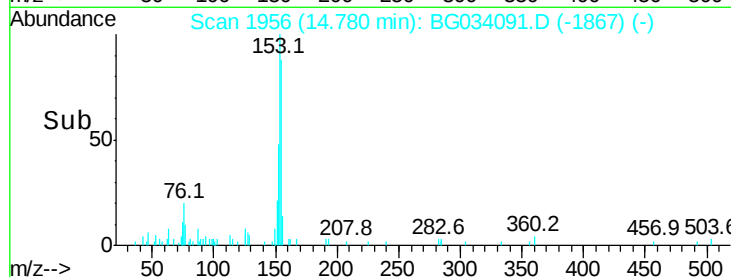
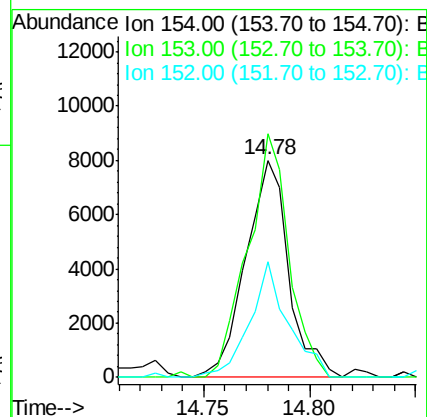
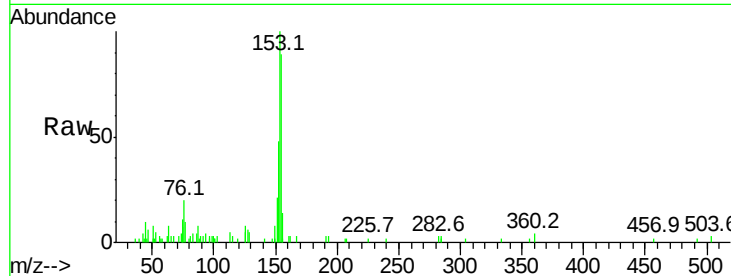
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	154	Resp:	11285
Ion Ratio	Lower	Upper	
154	100		
153	112.0	90.4	135.6
152	53.4	41.6	62.4

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5/2/2018 4:50:48 PM



#54

Dibenzofuran

Concen: 1.110 ng

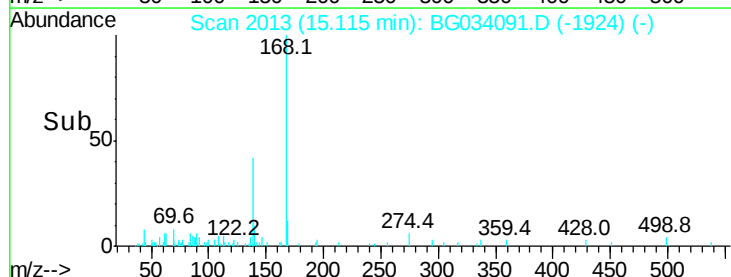
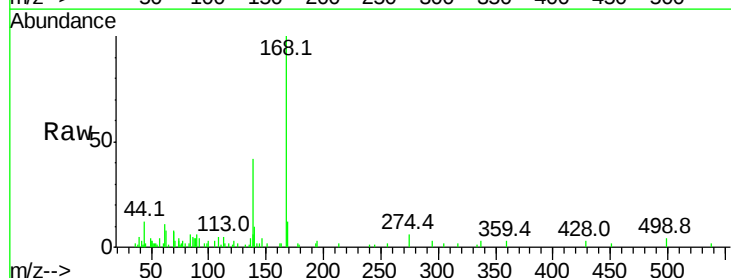
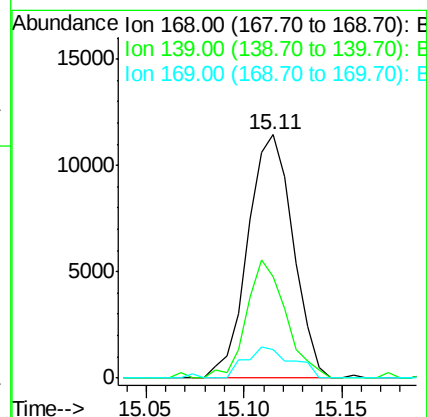
RT: 15.11 min Scan# 2013

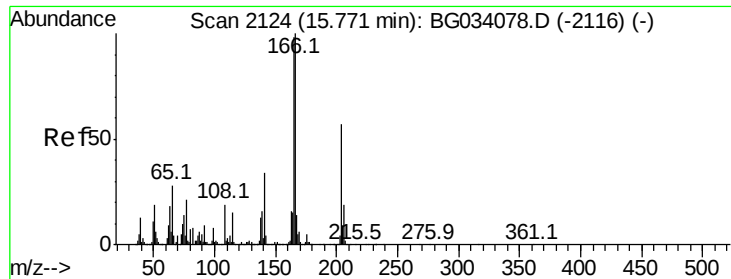
Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	168	Resp:	18325
Ion Ratio	Lower	Upper	
168	100		
139	41.7	28.6	43.0
169	11.5	11.2	16.8





#57

Fluorene

Concen: 1.155 ng

RT: 15.77 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

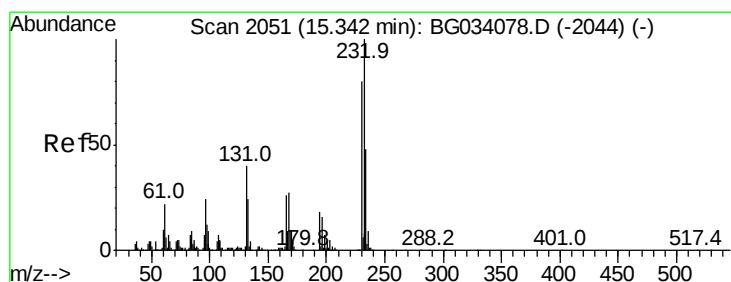
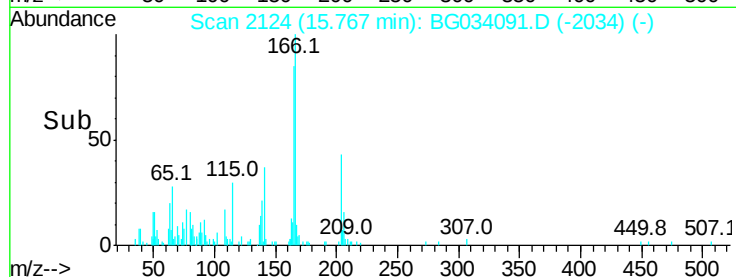
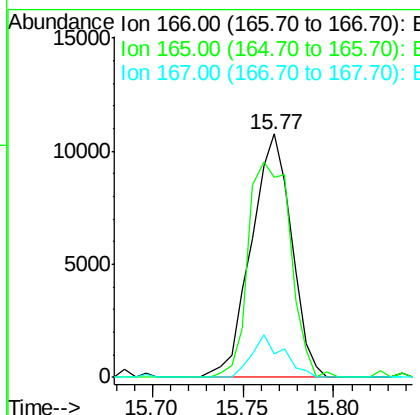
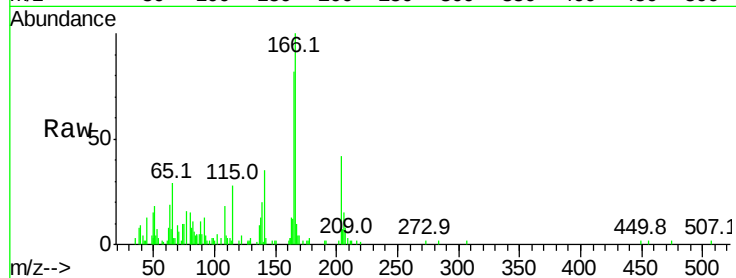
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	166	Resp:	16618
Ion Ratio	Lower	Upper	
166	100		
165	82.0	80.6	121.0
167	9.8	10.4	15.6#

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#58

2,3,4,6-Tetrachlorophenol

Concen: 0.878 ng

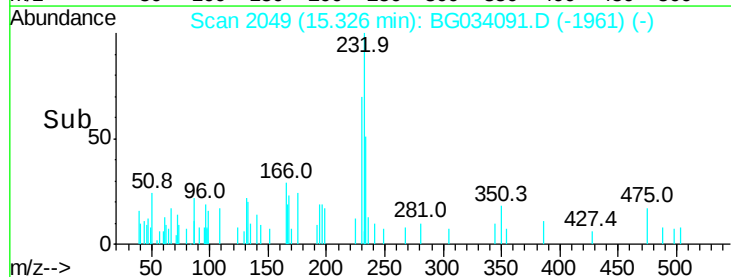
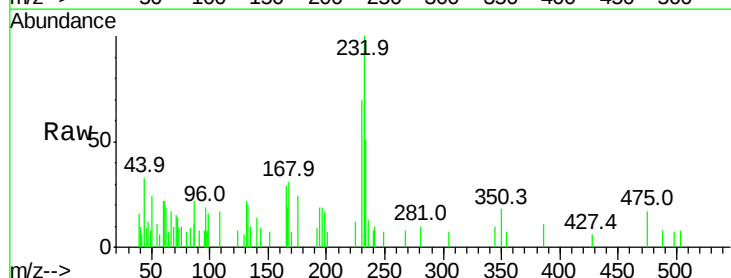
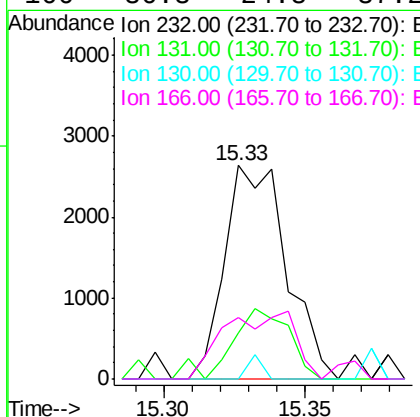
RT: 15.33 min Scan# 2049

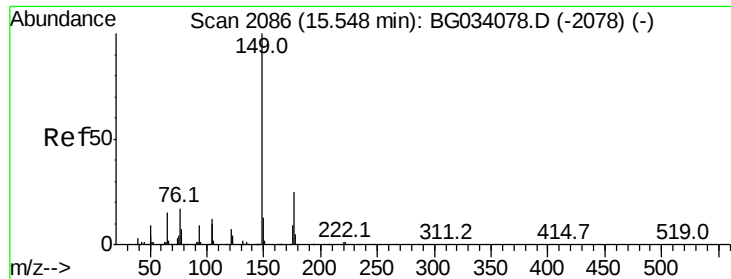
Delta R.T. -0.02 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	232	Resp:	4004
Ion Ratio	Lower	Upper	
232	100		
131	30.9	33.5	50.3#
130	2.6	2.2	3.2
166	36.3	24.8	37.2





#59

Diethylphthalate

Concen: 0.994 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.02 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

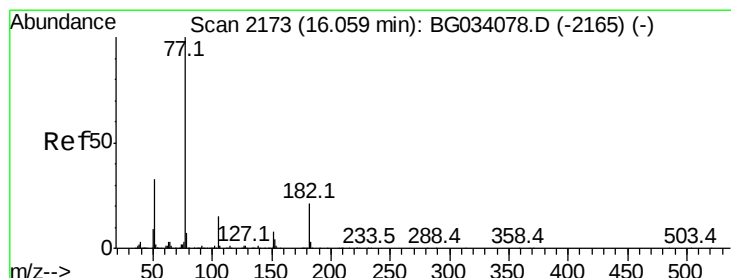
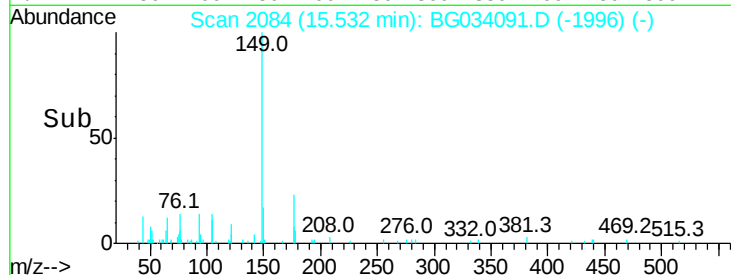
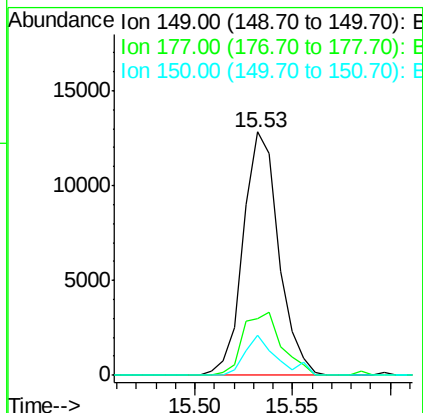
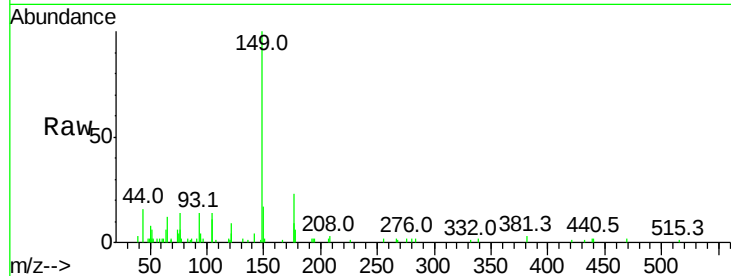
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	149	Resp:	16179
Ion Ratio	Lower	Upper	
149	100		
177	23.1	18.5	27.7
150	16.5	10.2	15.2#

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5/2/2018 4:50:48 PM



#62

Azobenzene

Concen: 0.986 ng

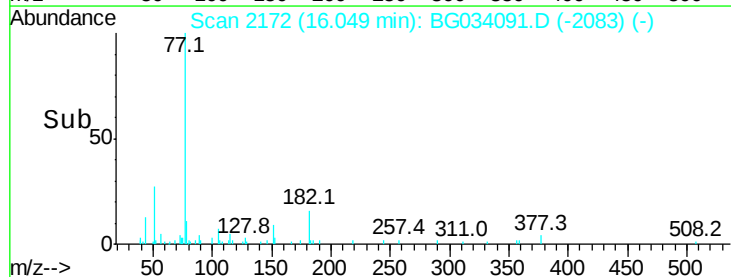
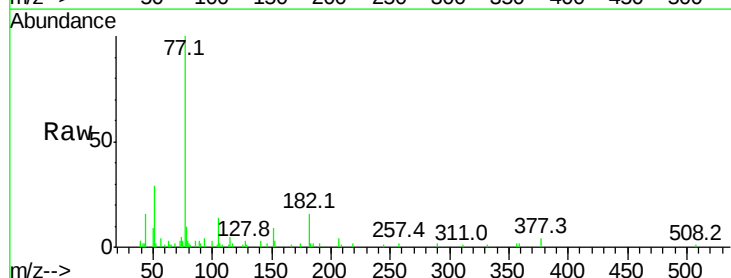
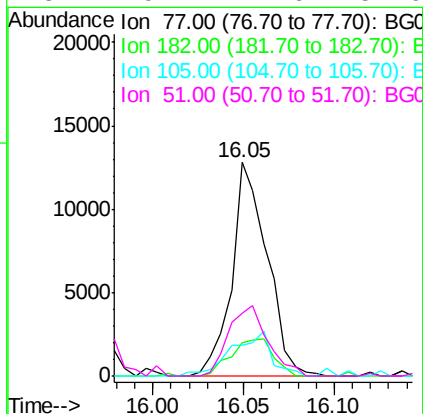
RT: 16.05 min Scan# 2172

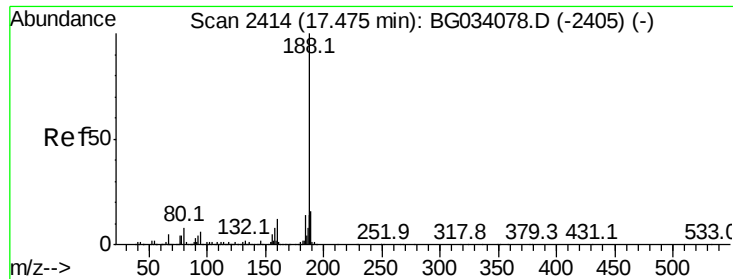
Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	77	Resp:	17339
Ion Ratio	Lower	Upper	
77	100		
182	15.9	7.4	47.4
105	14.3	0.3	40.3
51	29.2	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

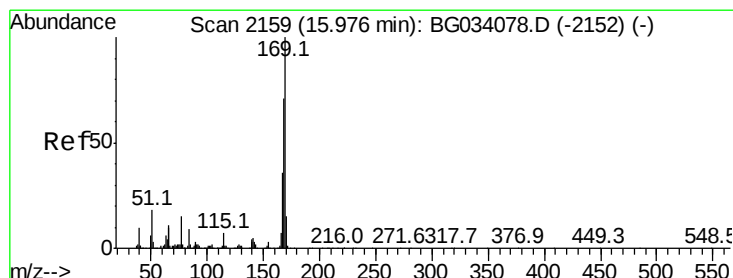
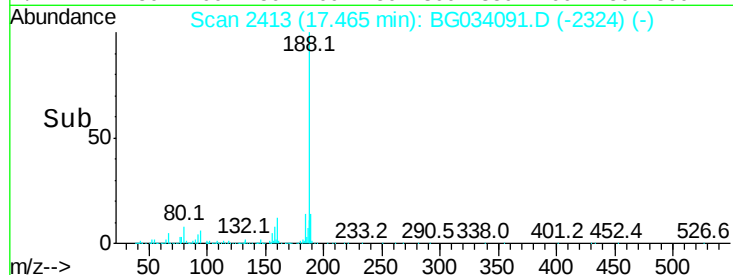
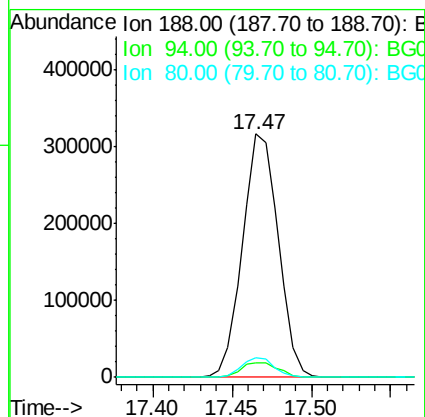
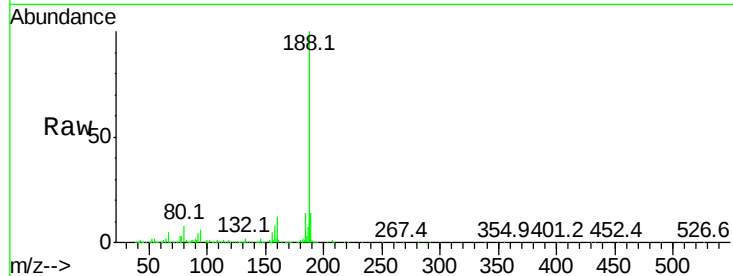
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	188	Resp:	495799
Ion Ratio	Lower	Upper	
188	100		
94	5.9	6.9	10.3#
80	7.8	7.7	11.5

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5/2/2018 4:50:48 PM



#65

n-Nitrosodiphenylamine

Concen: 0.940 ng

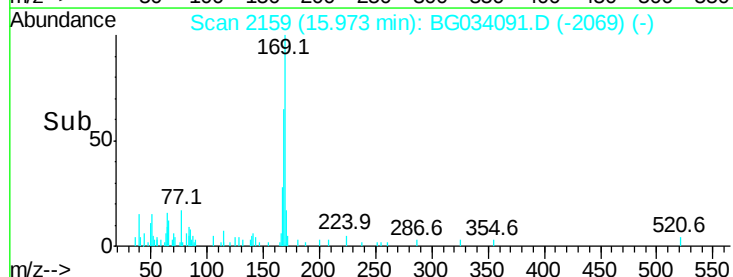
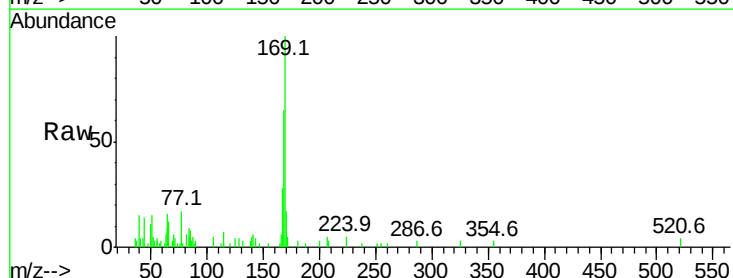
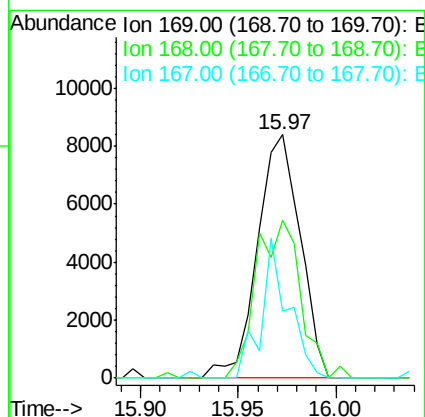
RT: 15.97 min Scan# 2159

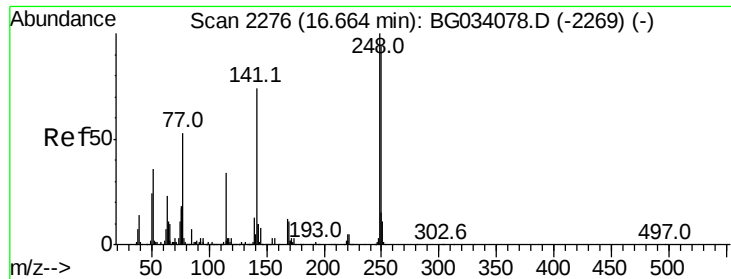
Delta R.T. -0.00 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	169	Resp:	12713
Ion Ratio	Lower	Upper	
169	100		
168	64.8	55.7	83.5
167	27.7	30.1	45.1#





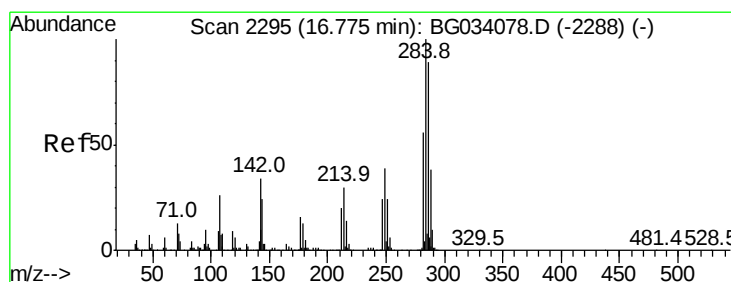
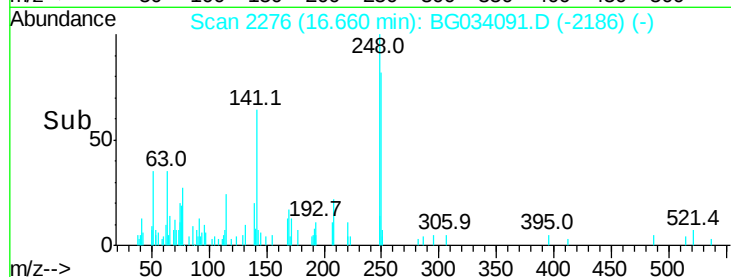
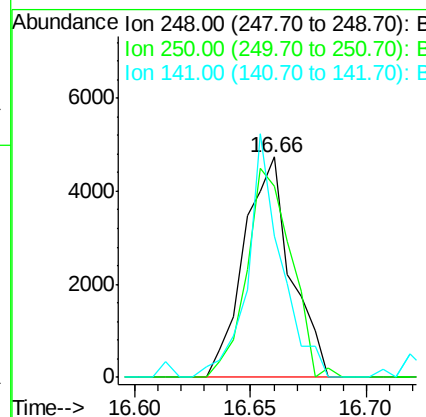
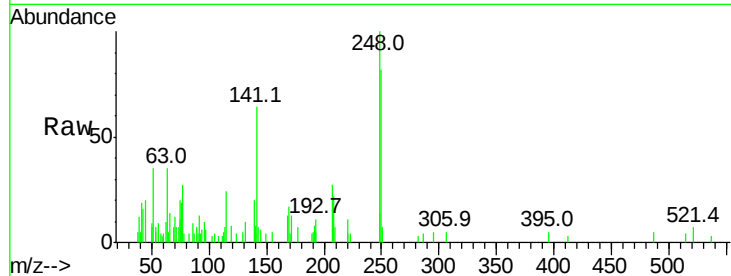
#66
4-Bromophenyl-phenylether
Concen: 1.090 ng
RT: 16.66 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
248	100		
250	86.5	77.1	115.7
141	63.9	50.8	76.2

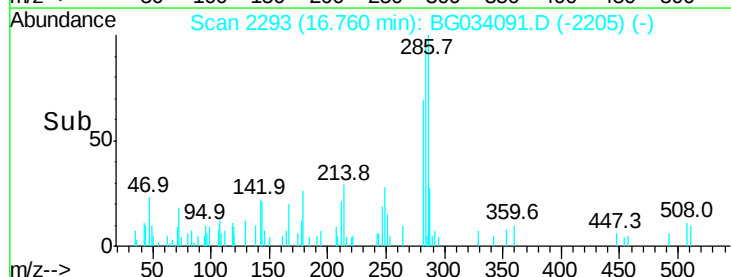
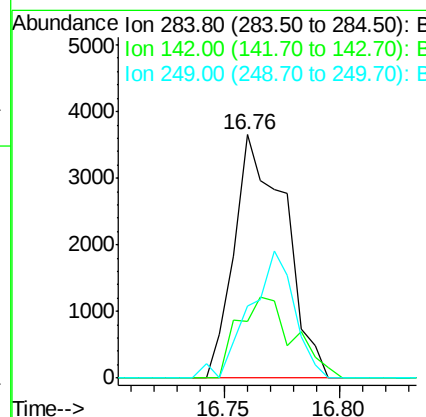
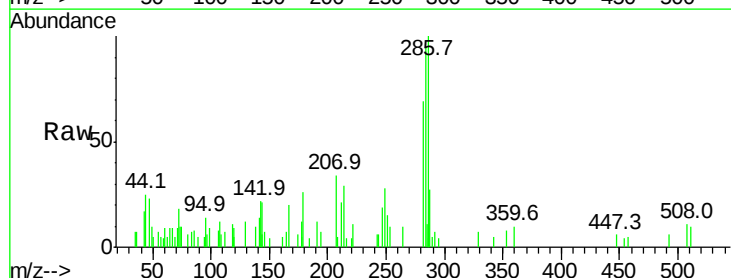
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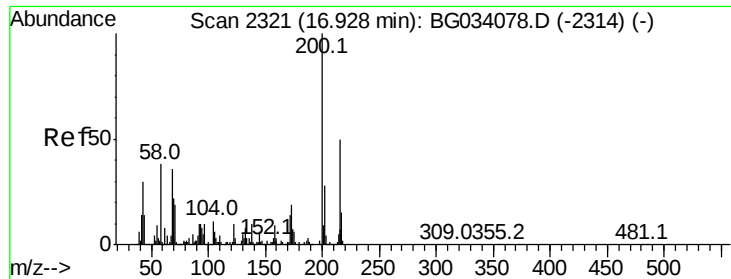
Sohil
5/2/2018 4:50:48 PM



#67
Hexachlorobenzene
Concen: 0.898 ng
RT: 16.76 min Scan# 2293
Delta R.T. -0.02 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	23.2	26.8	40.2#
249	29.4	26.3	39.5





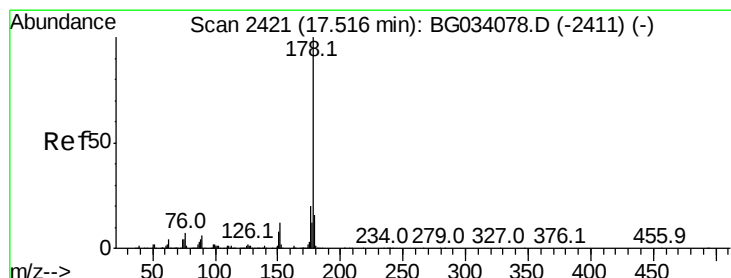
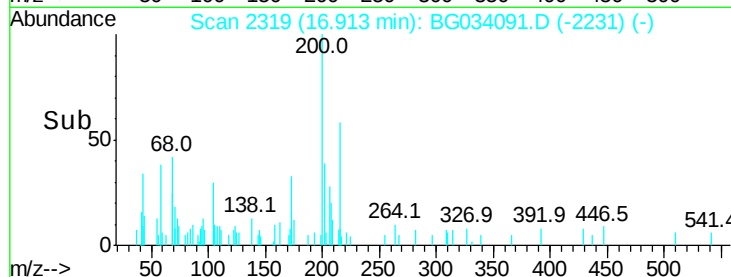
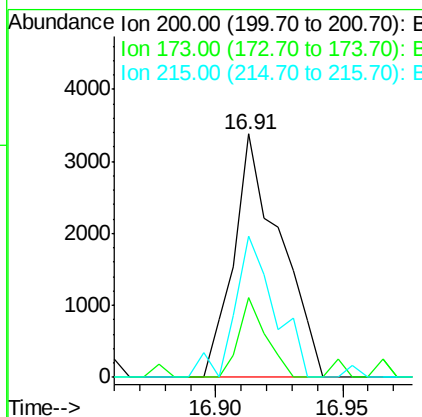
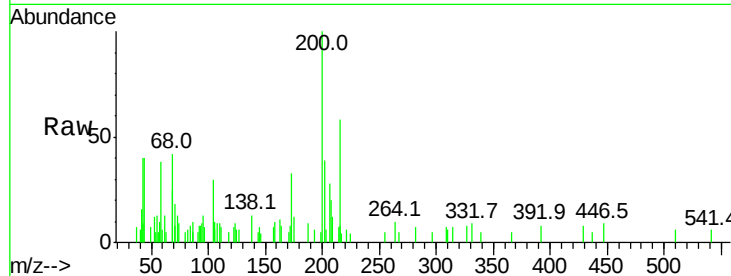
#68
Atrazine
Concen: 1.434 ng
RT: 16.91 min Scan# 2319
Delta R.T. -0.02 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	32.5	5.2	45.2
215	57.9	30.4	70.4

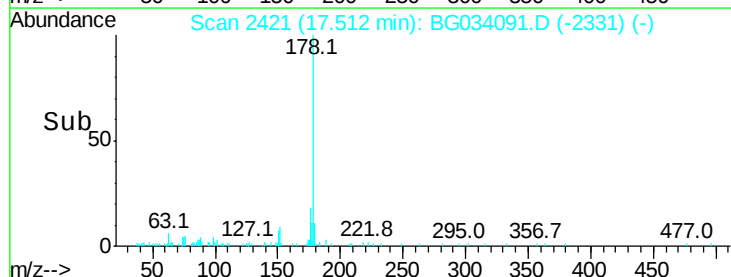
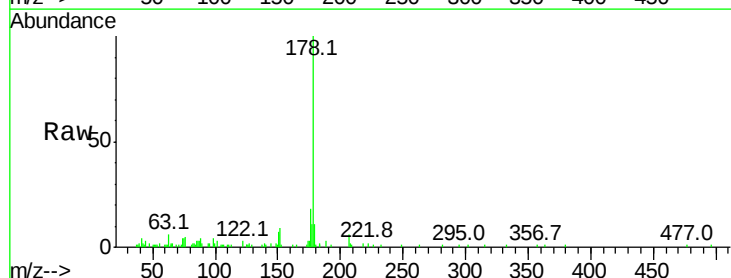
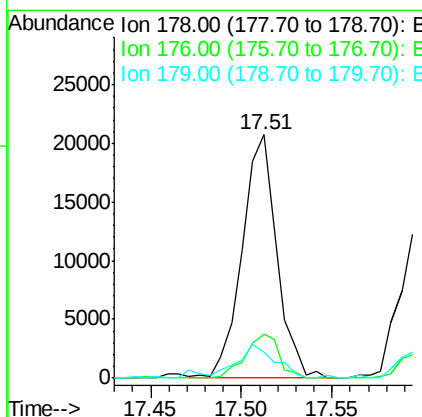
Manual Integrations
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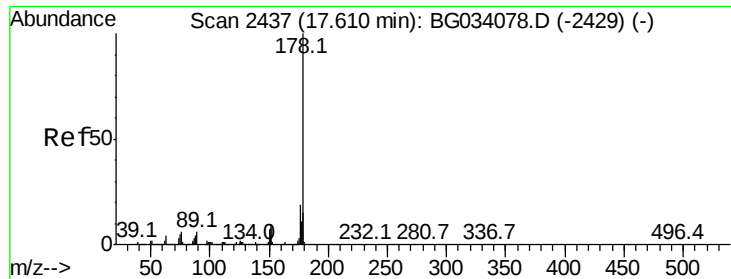
Sohil
5/2/2018 4:50:48 PM



#70
Phenanthrene
Concen: 1.085 ng
RT: 17.51 min Scan# 2421
Delta R.T. -0.00 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.7	23.5
179	10.8	12.5	18.7





#71

Anthracene

Concen: 0.963 ng

RT: 17.60 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

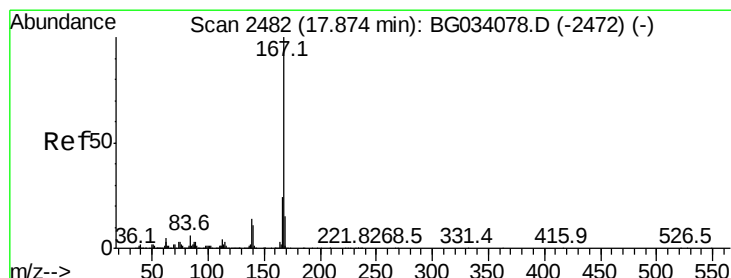
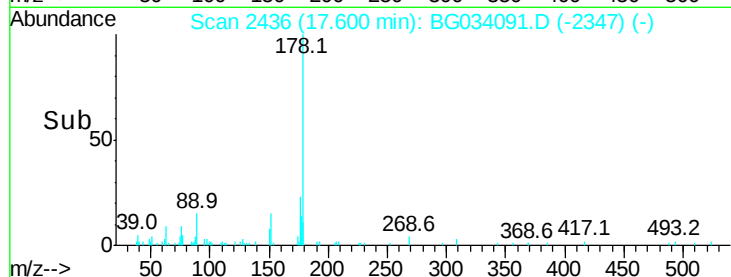
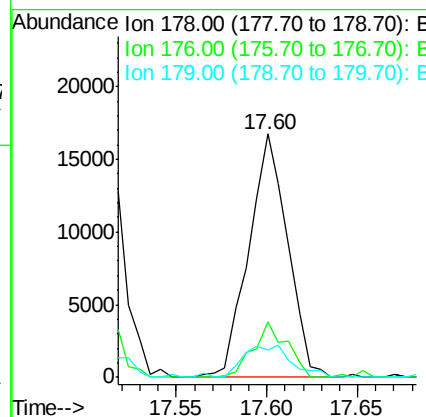
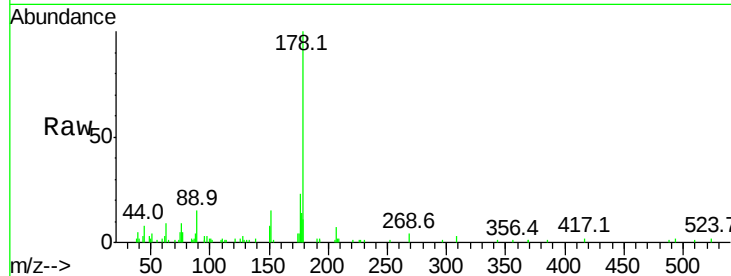
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.8	16.0	24.0
179	11.1	12.5	18.7

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5/2/2018 4:50:48 PM



#72

Carbazole

Concen: 1.056 ng

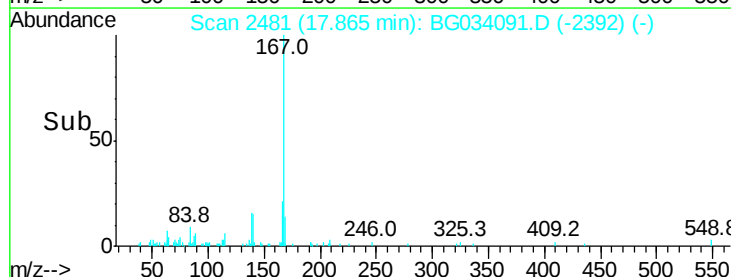
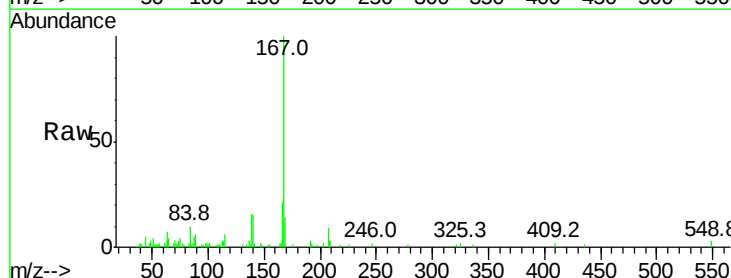
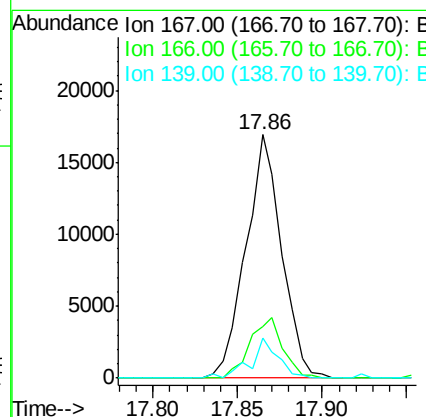
RT: 17.86 min Scan# 2481

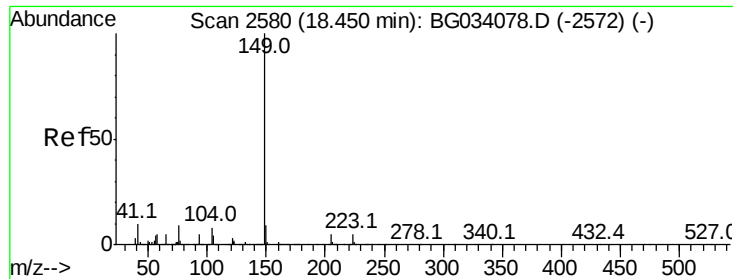
Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.2	27.4
139	16.4	9.4	14.2





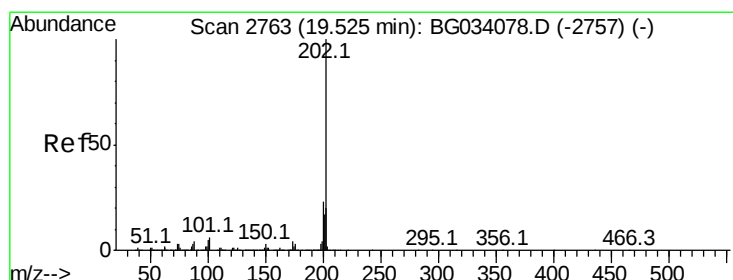
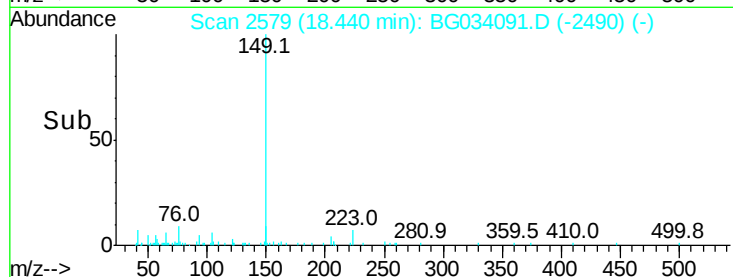
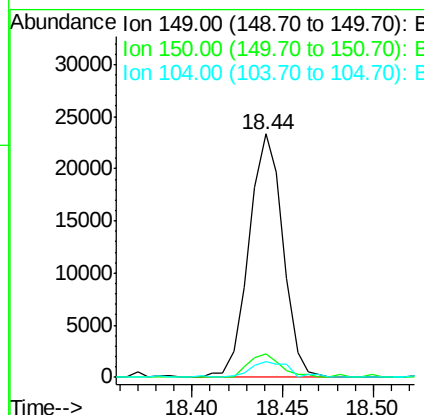
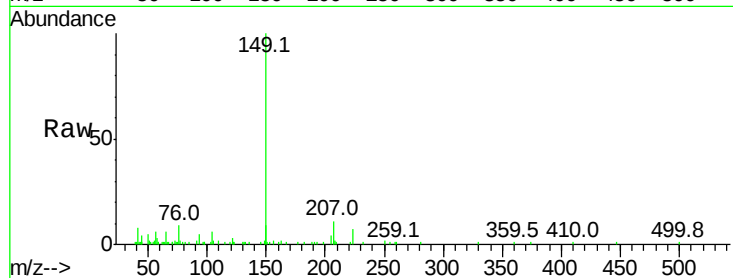
#73
Di-n-butylphthalate
Concen: 1.061 ng
RT: 18.44 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.4	7.8	11.6
104	6.3	3.9	5.9

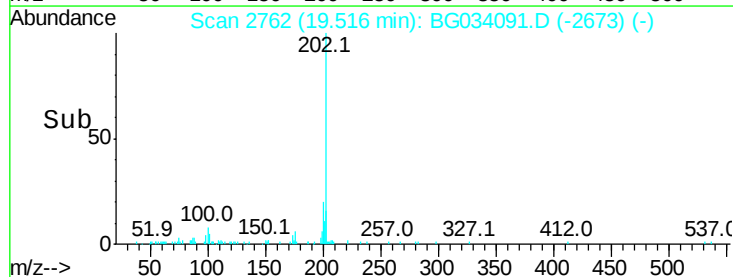
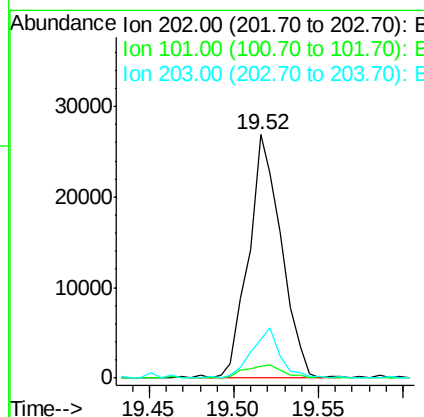
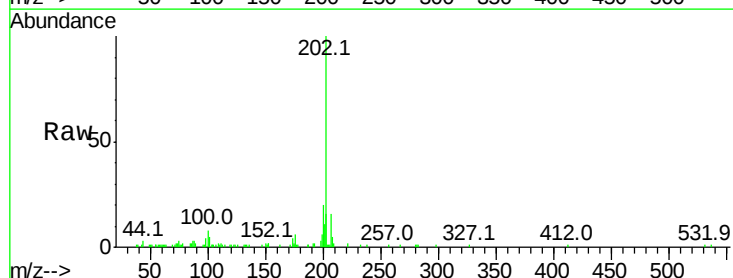
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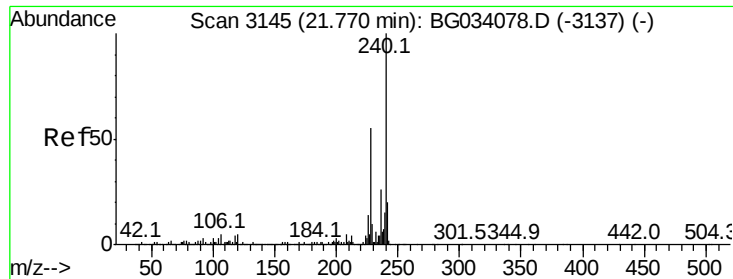
Sohil
5/2/2018 4:50:48 PM



#74
Fluoranthene
Concen: 1.125 ng
RT: 19.52 min Scan# 2762
Delta R.T. -0.01 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	4.9	0.0	28.9
203	15.8	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: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

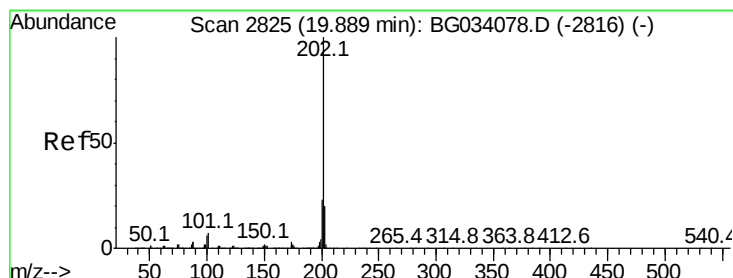
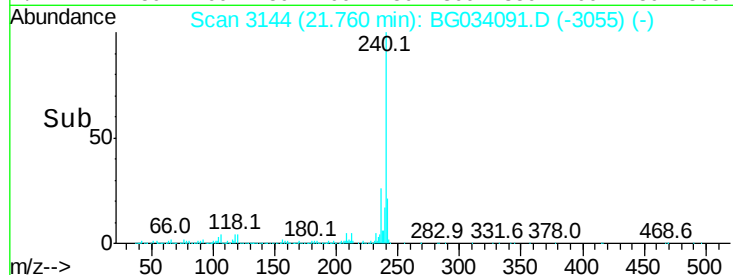
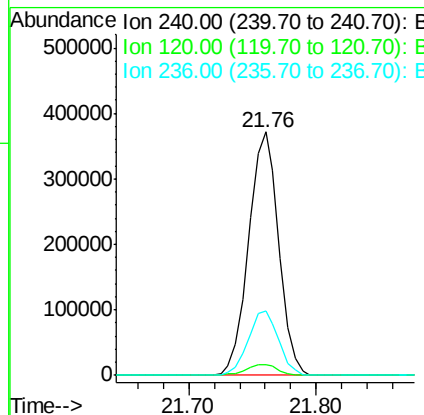
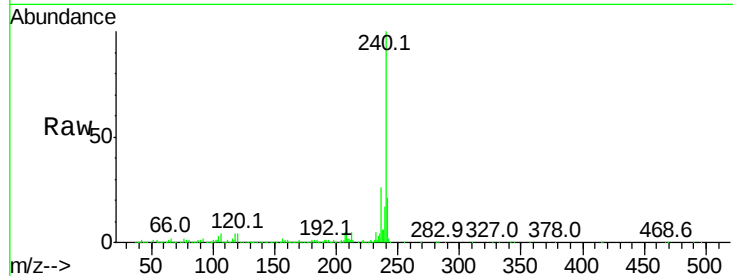
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	240	Resp:	609366
Ion Ratio	Lower	Upper	
240	100		
120	4.1	6.8	10.2#
236	26.3	20.9	31.3

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5/2/2018 4:50:48 PM



#77

Pyrene

Concen: 0.952 ng m

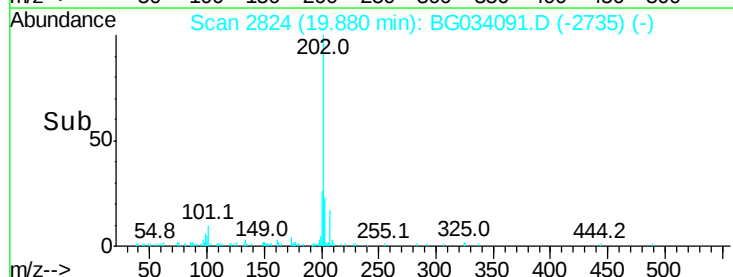
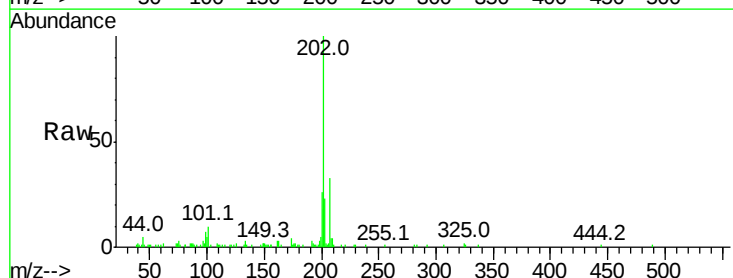
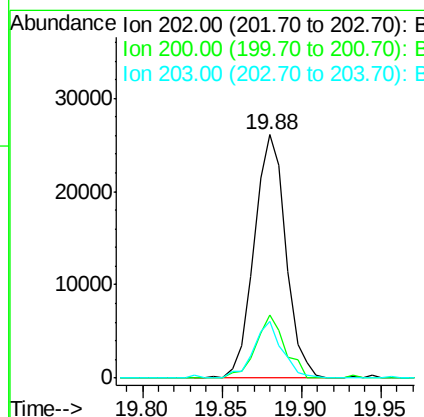
RT: 19.88 min Scan# 2824

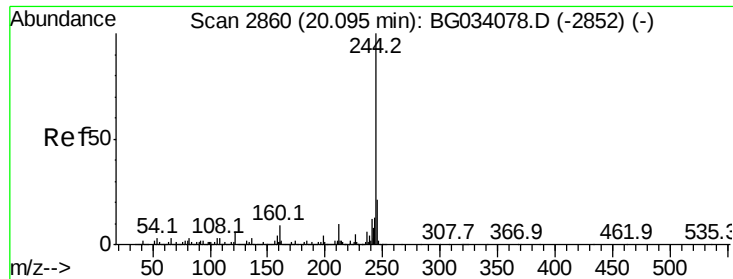
Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	202	Resp:	36346
Ion Ratio	Lower	Upper	
202	100		
200	25.8	16.9	25.3#
203	23.4	13.9	20.9#





#78

Terphenyl-d14

Concen: 77.415 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:244 Resp: 2153421

Ion Ratio Lower Upper

244 100

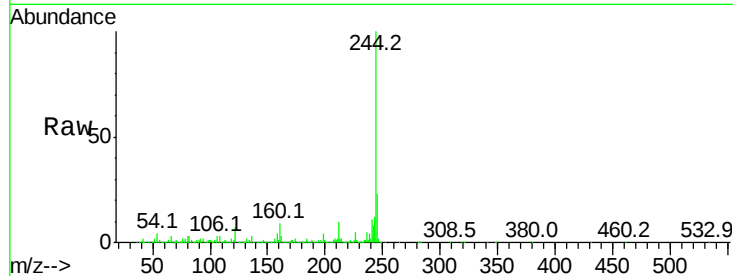
212 10.0 5.8 8.8#

122 6.6 7.0 10.4#

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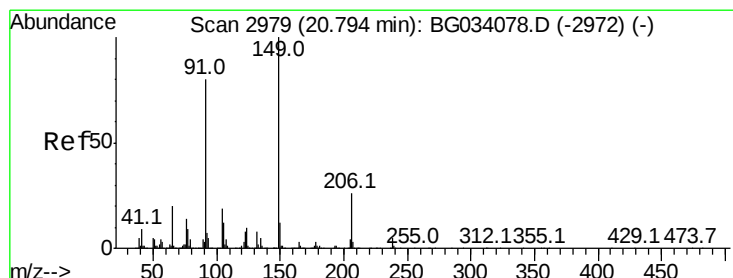
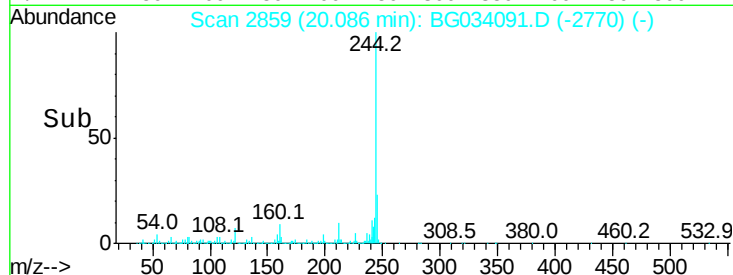
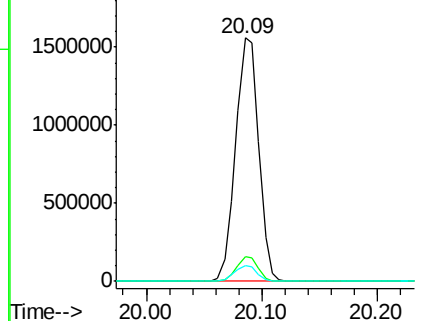
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.817 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

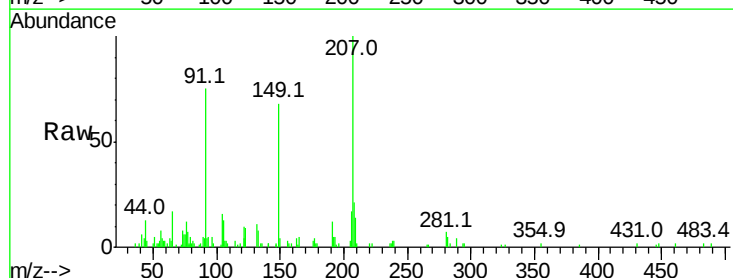
Tgt Ion:149 Resp: 12173

Ion Ratio Lower Upper

149 100

91 109.1 62.2 93.2#

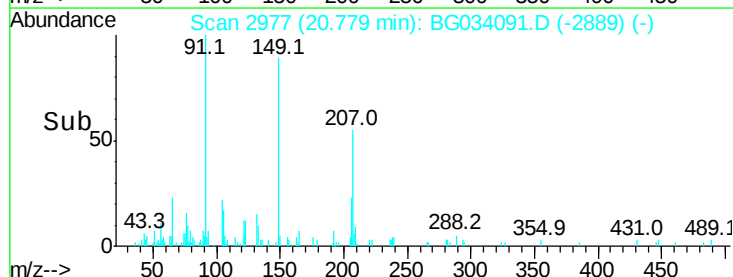
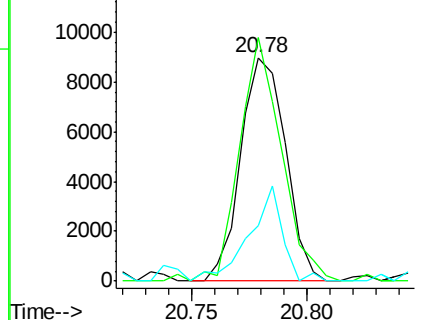
206 24.8 18.6 27.8

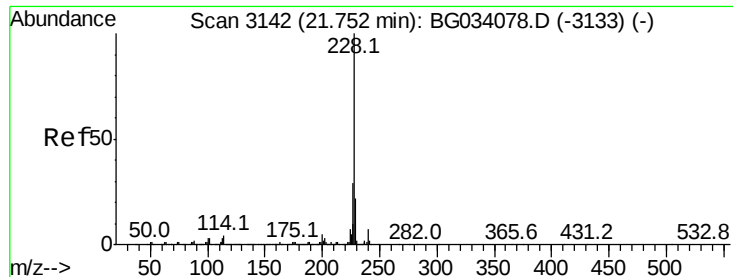


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.076 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG034091.D

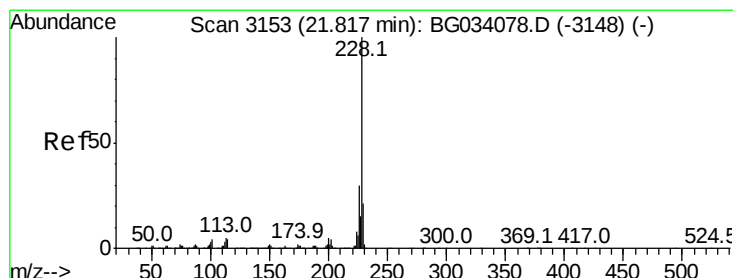
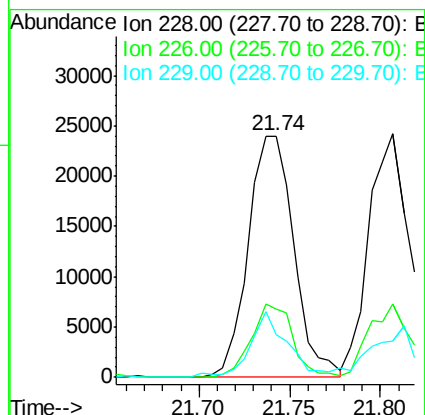
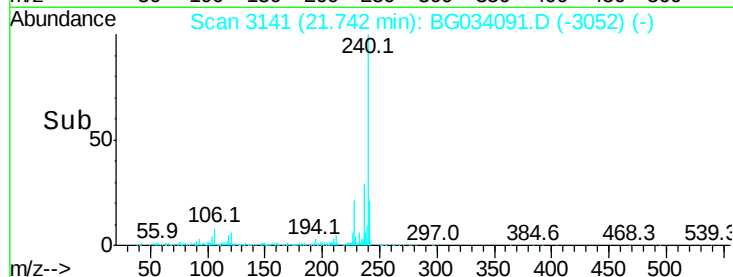
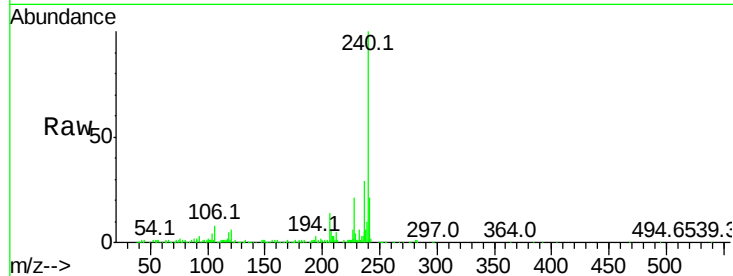
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.7	34.1
229	17.6	16.2	24.2

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#82

Chrysene

Concen: 1.023 ng m

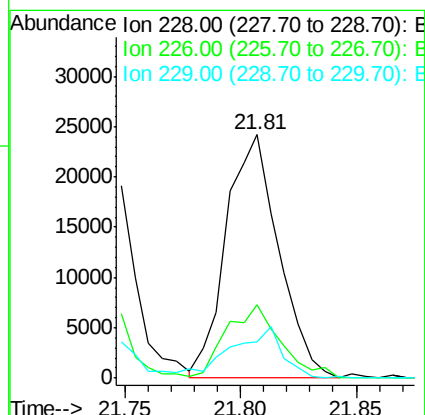
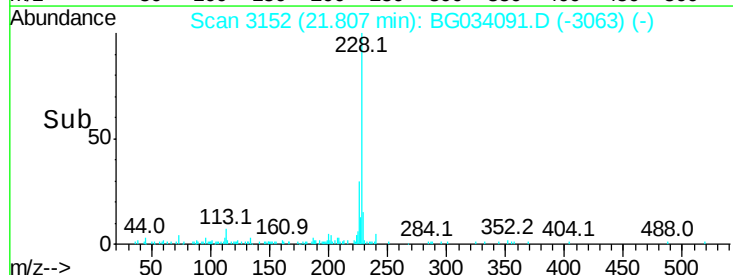
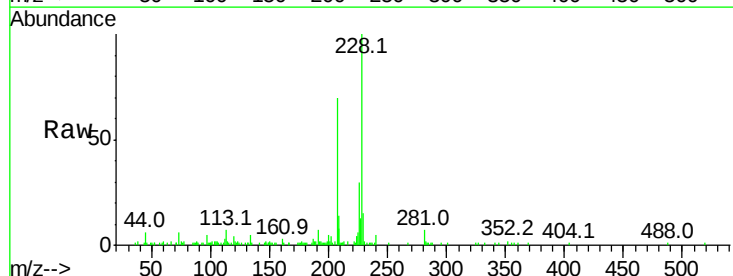
RT: 21.81 min Scan# 3152

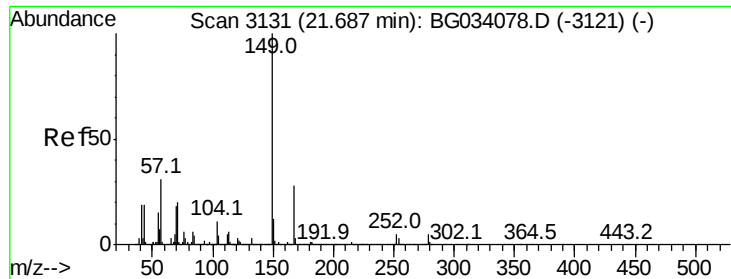
Delta R.T. -0.01 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	14.9	15.0	22.4





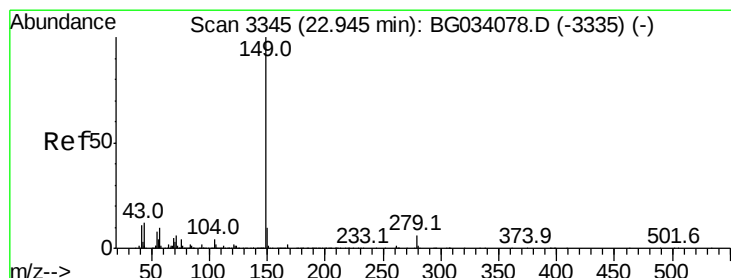
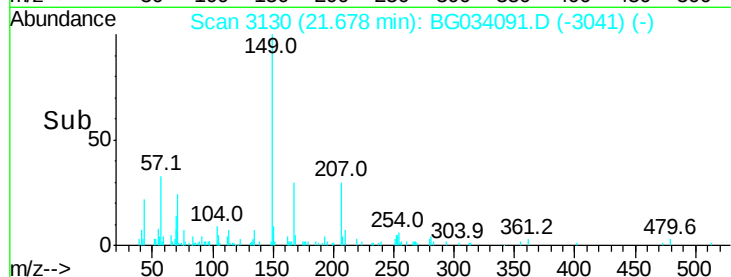
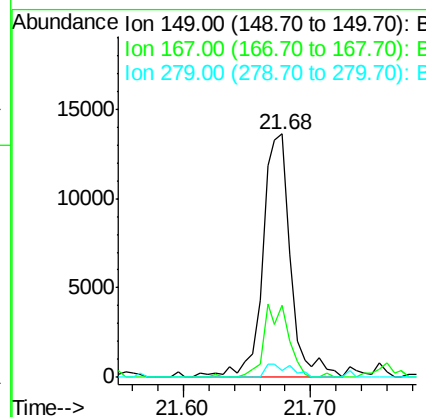
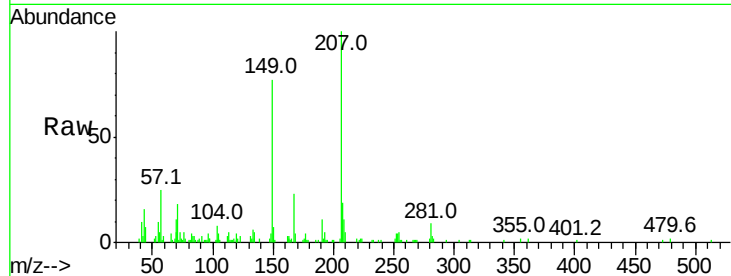
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.017 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	29.7	24.3	36.5	
279	2.7	4.0	6.0	

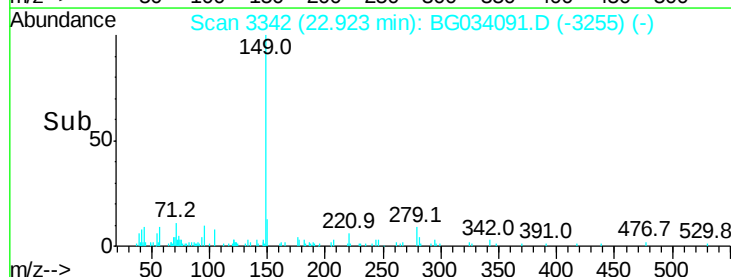
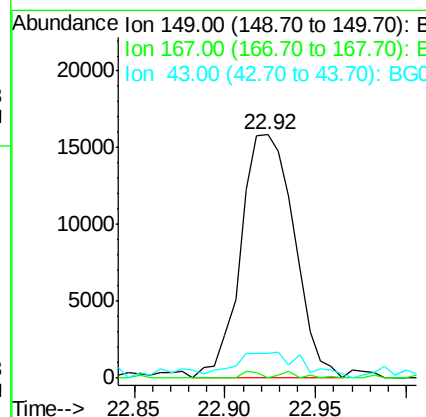
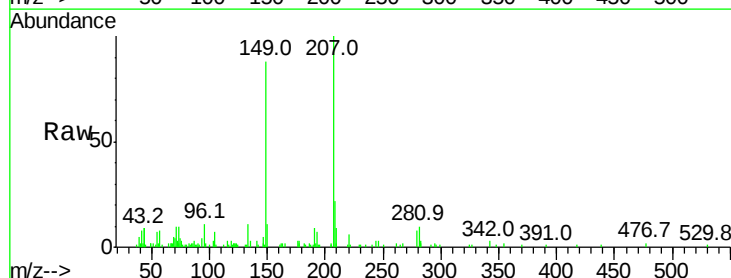
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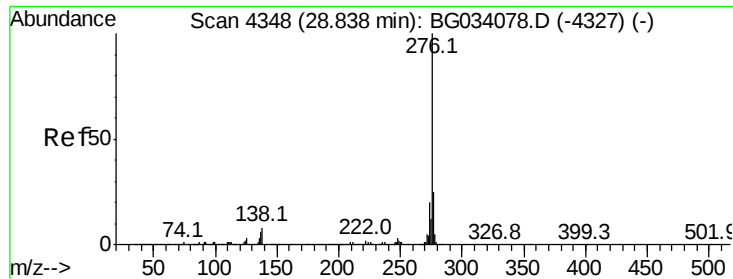
Sohil
 5/2/2018 4:50:48 PM



#84
 Di-n-octyl phthalate
 Concen: 0.989 ng
 RT: 22.92 min Scan# 3342
 Delta R.T. -0.02 min
 Lab File: BG034091.D
 Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.1	1.4	2.0	
43	13.7	8.9	13.3	





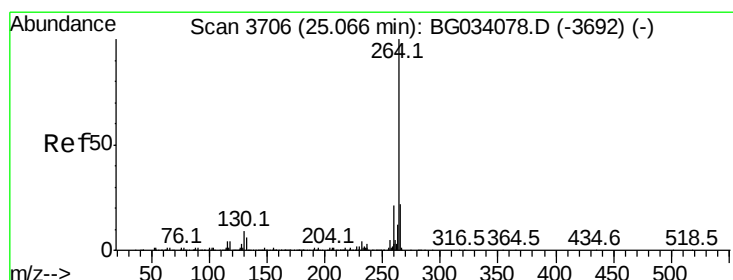
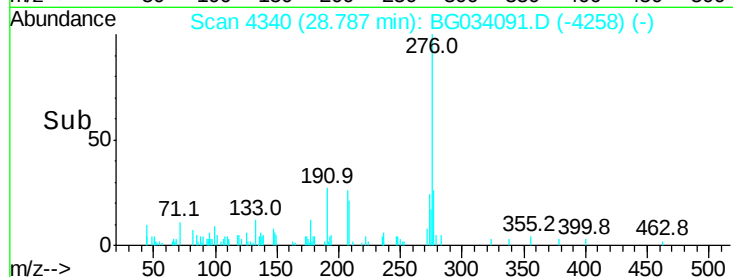
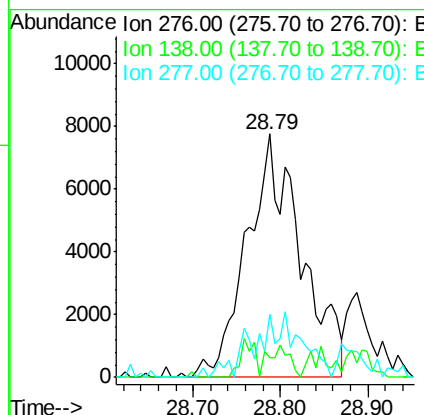
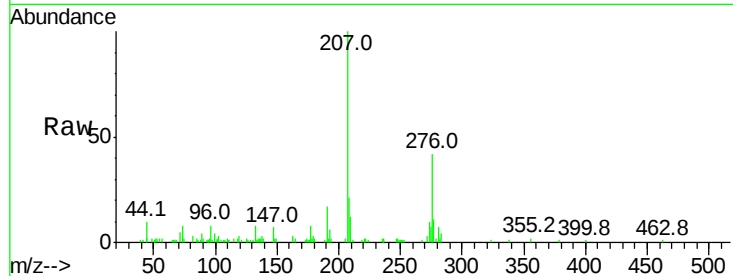
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.813 ng m
RT: 28.79 min Scan# 4340
Delta R.T. -0.05 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

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

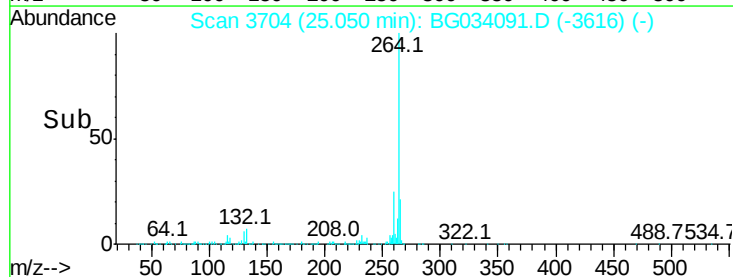
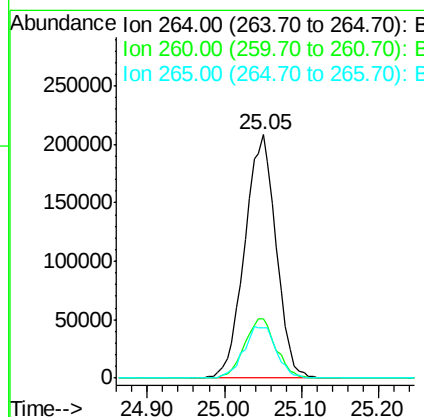
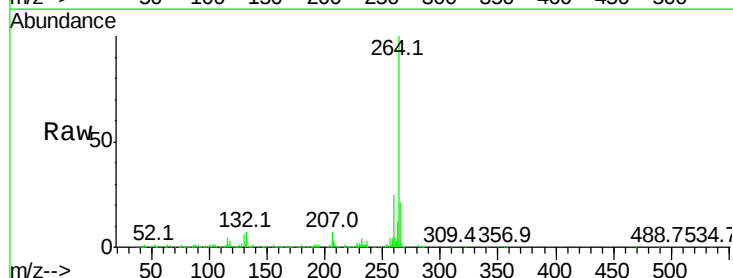
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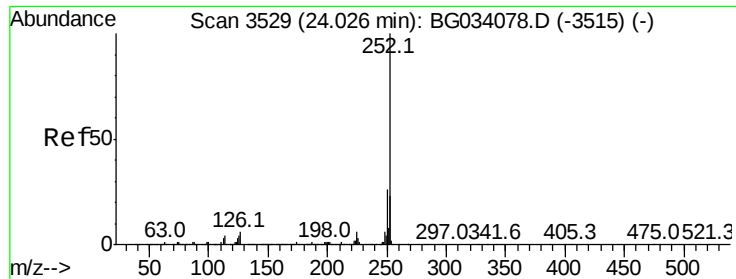
Sohil
5/2/2018 4:50:48 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.02 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	20.8	17.7	26.5





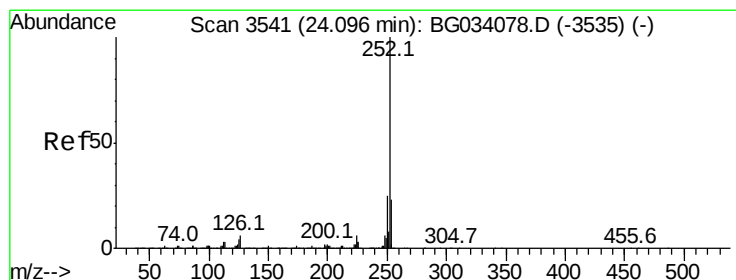
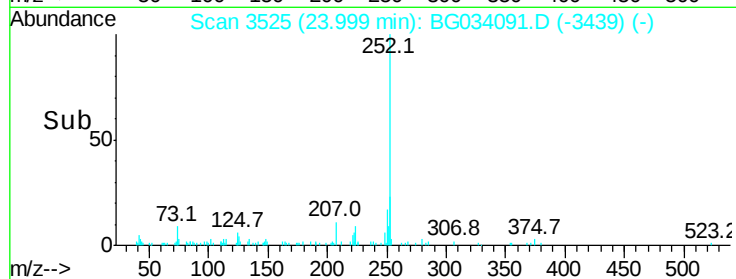
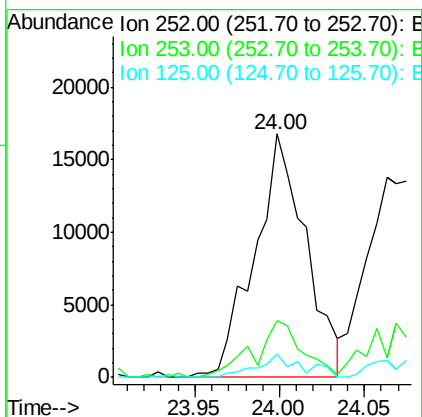
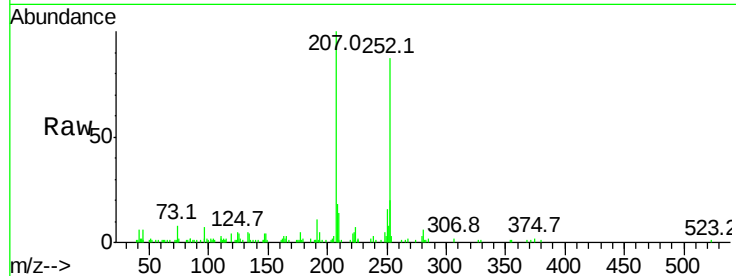
#87
Benzo(b)fluoranthene
Concen: 0.942 ng
RT: 24.00 min Scan# 3525
Delta R.T. -0.03 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	9.9	7.2	10.8

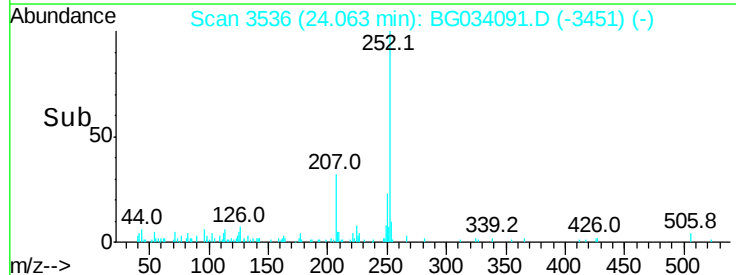
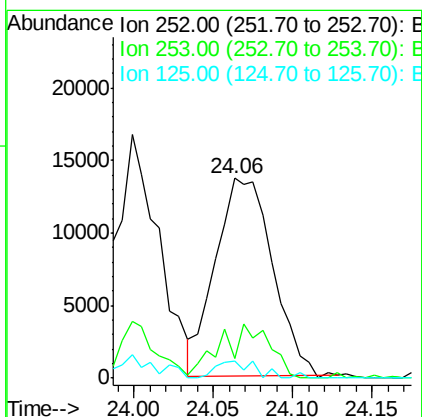
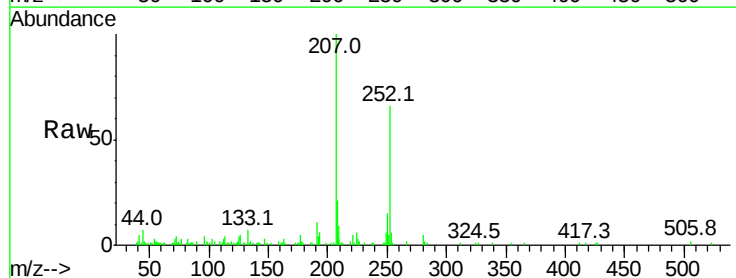
Manual Integrations
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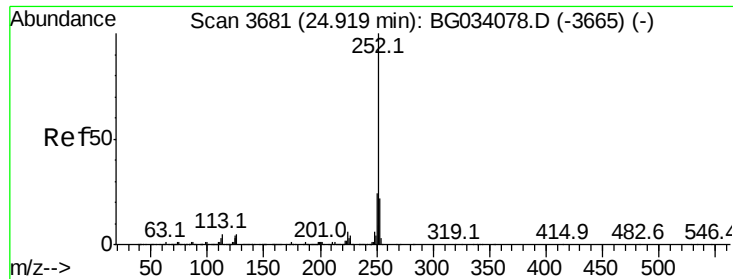
Sohil
5/2/2018 4:50:48 PM



#88
Benzo(k)fluoranthene
Concen: 0.954 ng
RT: 24.06 min Scan# 3536
Delta R.T. -0.03 min
Lab File: BG034091.D
Acq: 1 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	9.6	17.4	26.2#
125	8.4	6.6	9.8





#89

Benzo(a)pyrene

Concen: 0.938 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.03 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Instrument :

BNA_G

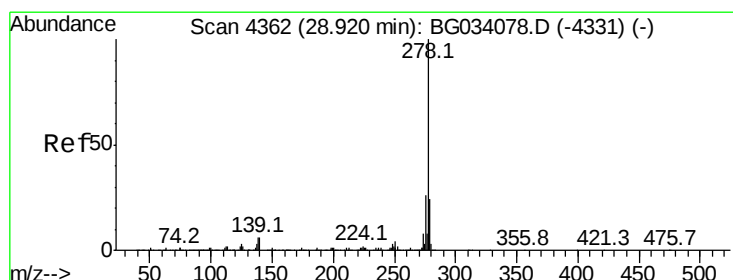
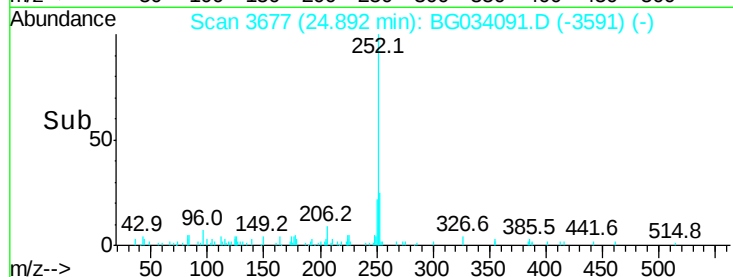
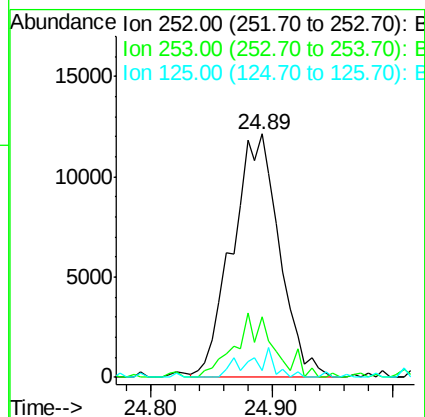
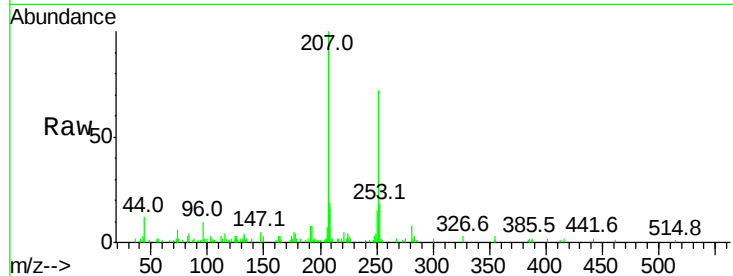
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	252	Resp:	32869
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.3	27.5
125	6.3	7.3	10.9#

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#90

Dibenzo(a,h)anthracene

Concen: 0.955 ng

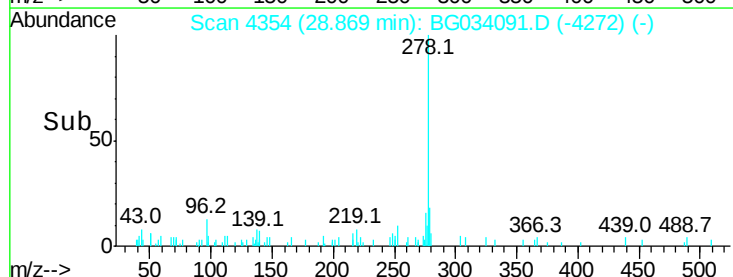
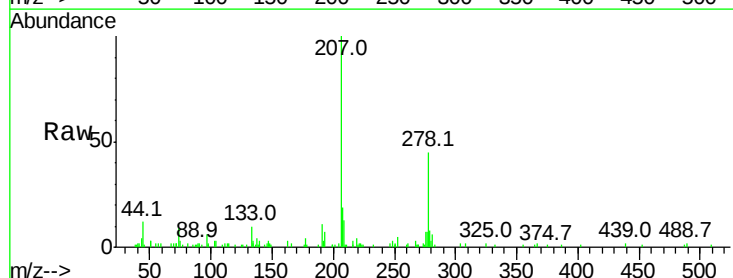
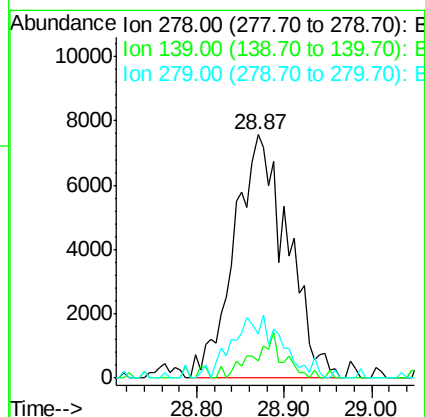
RT: 28.87 min Scan# 4354

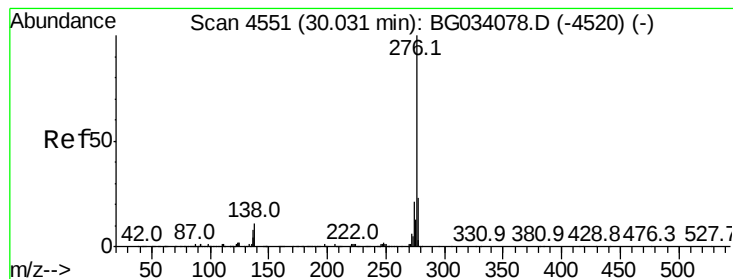
Delta R.T. -0.05 min

Lab File: BG034091.D

Acq: 1 May 2018 23:02

Tgt Ion:	278	Resp:	31535
Ion Ratio	Lower	Upper	
278	100		
139	7.1	9.8	14.6#
279	17.9	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 0.948 ng/mL

RT: 29.93 min Scan# 4535

Delta R.T. -0.10 min

Lab File: BG034091.D

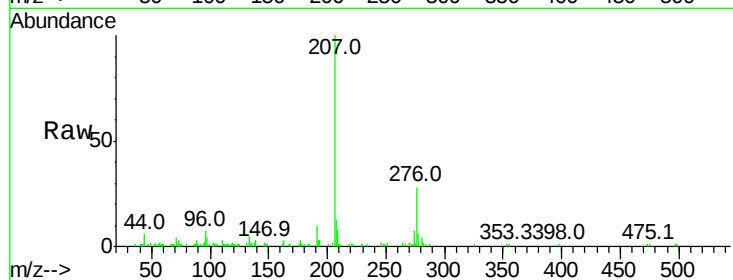
Acq: 1 May 2018 23:02

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2018



Tot Ion:	276	Resp:	30866
Ion Ratio	Lower	Upper	
276	100		
277	20.3	18.3	27.5
138	11.4	13.9	20.9

Manual Integrations
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