

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037448.D
 Acq On : 19 Oct 2018 11:24
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:38:03 PM

Quant Time: Oct 20 00:43:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50287	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	233142	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	155854	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	385113	20.00	ng	0.00
76) Chrysene-d12	21.77	240	359834	20.00	ng	0.00
87) Perylene-d12	25.11	264	350533	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	399936	132.96	ng	0.00
7) Phenol-d6	7.24	99	598020	131.48	ng	0.00
23) Nitrobenzene-d5	9.28	82	348958	83.85	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	229562	135.05	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	864307	83.62	ng	0.00
79) Terphenyl-d14	20.09	244	1323264	78.58	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.43	93	3031	0.546	ng	94
8) 2-Chlorophenol	7.67	128	3469	0.986	ng	84
9) Benzaldehyde	7.24	77	3105	1.091	ng	# 69
10) Phenol	7.27	94	4699	0.979	ng	81
11) bis(2-Chloroethyl)ether	7.53	93	3513	0.964	ng	85
12) 1,3-Dichlorobenzene	8.00	146	3904m	0.997	ng	
13) 1,4-Dichlorobenzene	8.14	146	3856	0.962	ng	# 86
14) 1,2-Dichlorobenzene	8.46	146	3497m	0.907	ng	
15) Benzyl Alcohol	8.35	79	2755	0.820	ng	# 91
16) 2,2'-oxybis(1-Chloropropan	8.62	45	6492	0.995	ng	91
18) Hexachloroethane	9.20	117	1300	0.952	ng	# 33
24) Nitrobenzene	9.33	77	4566	1.056	ng	97
31) Naphthalene	10.98	128	12381	1.081	ng	# 93
34) Hexachlorobutadiene	11.25	225	2286	0.916	ng	# 75
37) 2-Methylnaphthalene	12.58	142	9364	1.122	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	5006	0.996	ng	96
46) 1,1'-Biphenyl	13.58	154	13654	1.058	ng	98
47) 2-Chloronaphthalene	13.62	162	9768	1.000	ng	94
48) 2-Nitroaniline	13.82	65	2138	0.722	ng	99
49) Acenaphthylene	14.47	152	14071	0.958	ng	97
50) Dimethylphthalate	14.18	163	12519	1.038	ng	99
51) 2,6-Dinitrotoluene	14.31	165	1996	0.748	ng	# 87
52) Acenaphthene	14.80	154	9857	1.090	ng	86
55) Dibenzofuran	15.13	168	16084	1.073	ng	91
58) Fluorene	15.79	166	12977	1.156	ng	# 91
59) 2,3,4,6-Tetrachlorophenol	15.36	232	2215	0.707	ng	# 89
60) Diethylphthalate	15.54	149	12452	1.006	ng	99
63) Azobenzene	16.06	77	11613	0.983	ng	95
66) n-Nitrosodiphenylamine	15.99	169	10301	0.889	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	3872	0.916	ng	# 76
68) Hexachlorobenzene	16.78	284	4017	0.916	ng	# 89
69) Atrazine	16.92	200	3740	0.893	ng	76
71) Phenanthrene	17.53	178	21656	1.106	ng	94
72) Anthracene	17.62	178	20460	1.065	ng	97

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

73) Carbazole	17.89	167	17214	0.896	ng	98
74) Di-n-butylphthalate	18.43	149	18981	0.888	ng #	99
75) Fluoranthene	19.53	202	21404	0.964	ng	98
78) Pyrene	19.89	202	23435	0.996	ng	96
80) Butylbenzylphthalate	20.77	149	7263	0.754	ng	92
81) Benzo(a)anthracene	21.75	228	22850	1.074	ng	92
83) Chrysene	21.82	228	21959	1.073	ng	94
84) Bis(2-ethylhexyl)phthalate	21.63	149	10416	0.772	ng #	91
85) Di-n-octyl phthalate	22.88	149	15105	0.686	ng #	74
86) Indeno(1,2,3-cd)pyrene	28.92	276	11409	0.520	ng #	78
88) Benzo(b)fluoranthene	24.03	252	18758m	0.976	ng	
89) Benzo(k)fluoranthene	24.10	252	20329	1.080	ng	99
90) Benzo(a)pyrene	24.95	252	18690	1.023	ng	97
91) Dibenzo(a,h)anthracene	29.00	278	6288	0.373	ng	95
92) Benzo(g,h,i)perylene	30.13	276	12931m	0.759	ng	

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

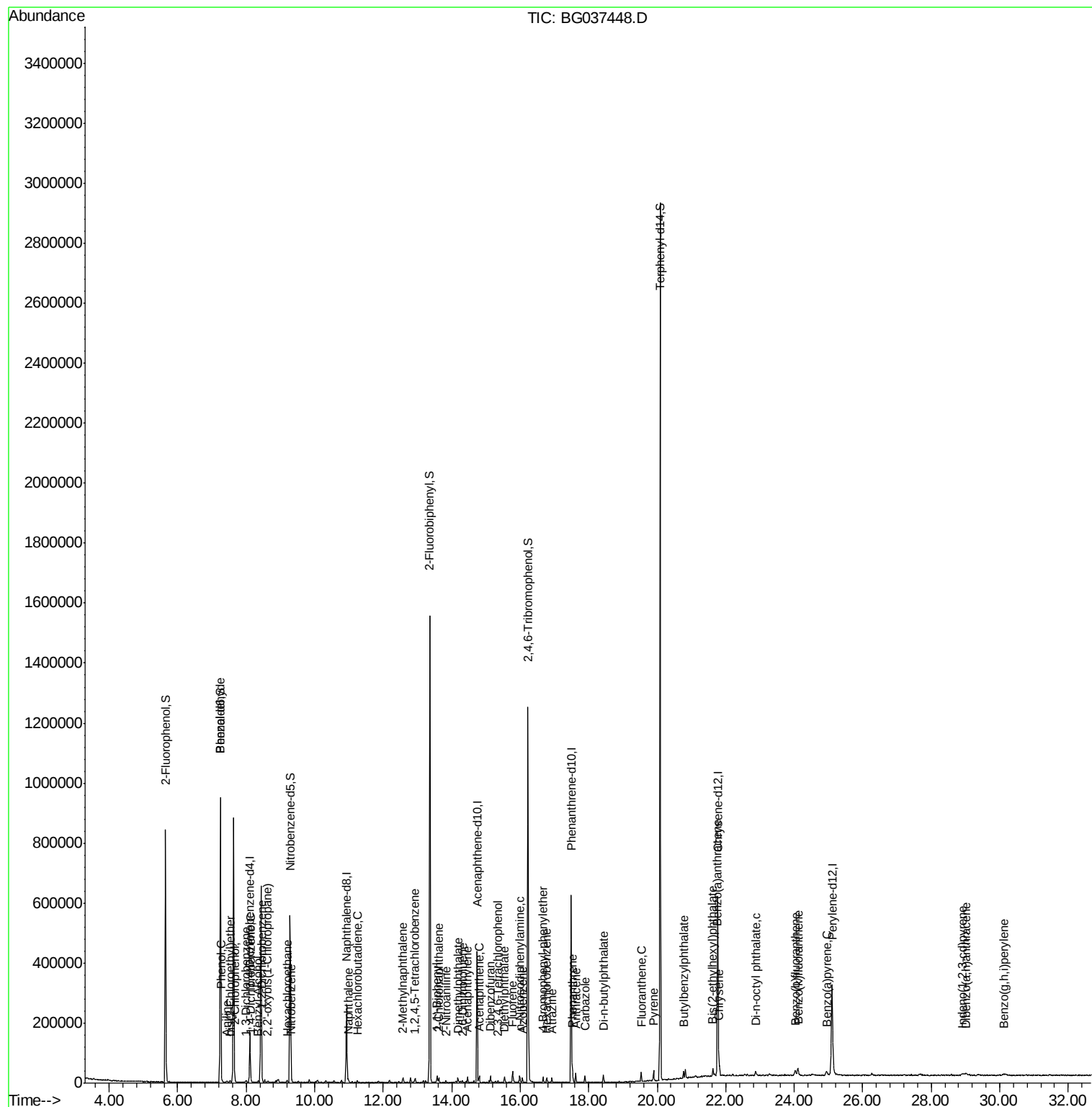
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
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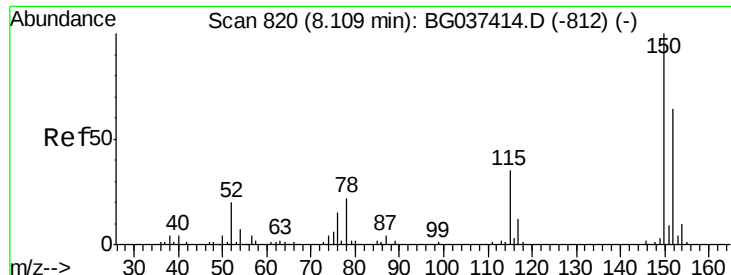
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

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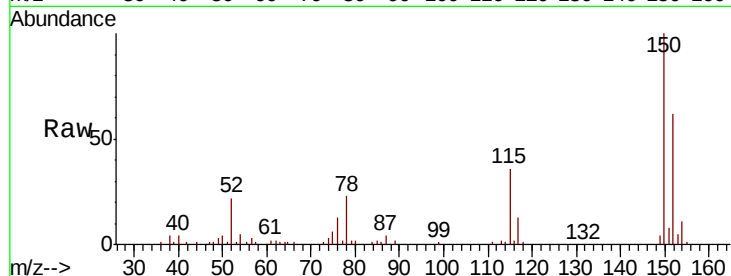




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

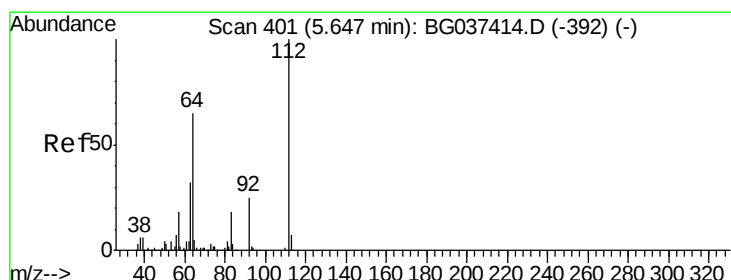
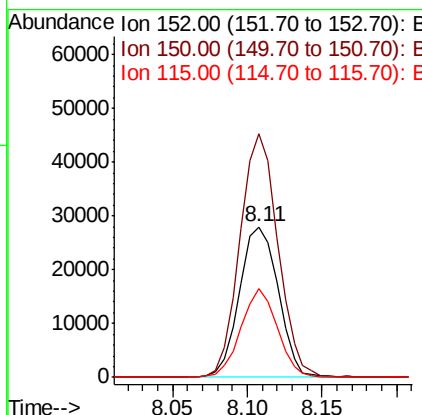
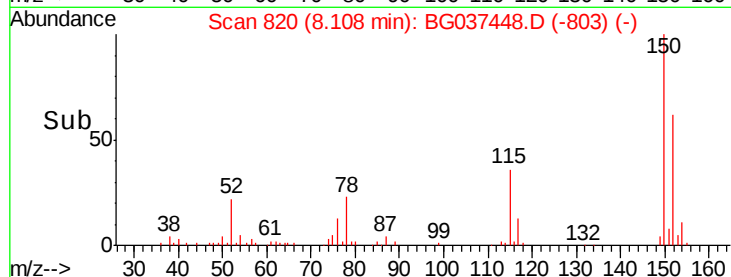
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018



Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.7	126.0	189.0
115	58.8	45.5	68.3

Manual Integrations
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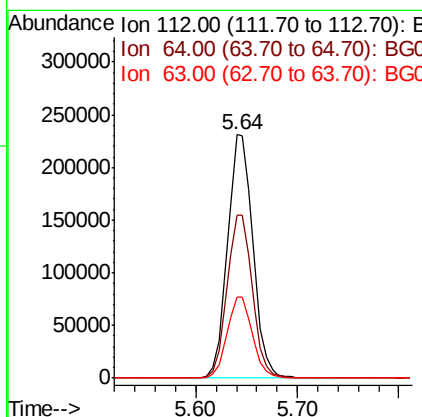
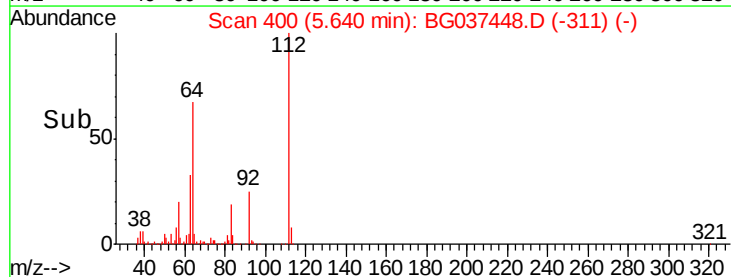
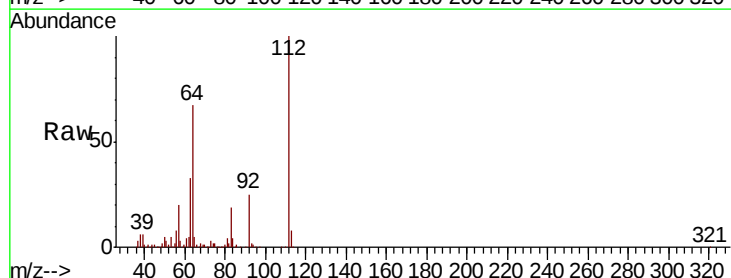
Sohil
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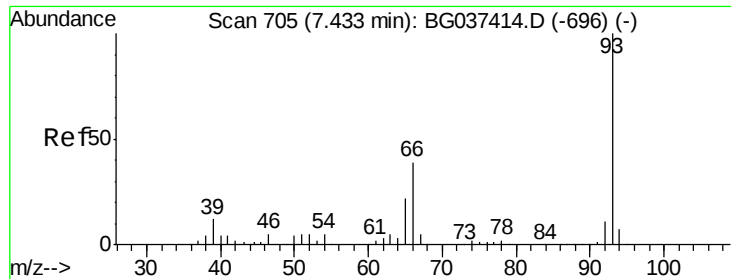


#5

2-Fluorophenol
Concen: 132.964 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.1	79.7
63	33.3	27.3	40.9





#6

Aniline

Concen: 0.546 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

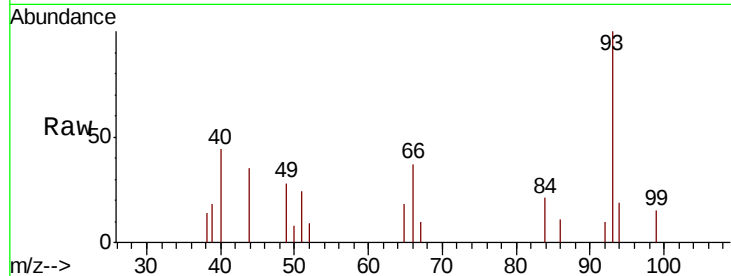
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

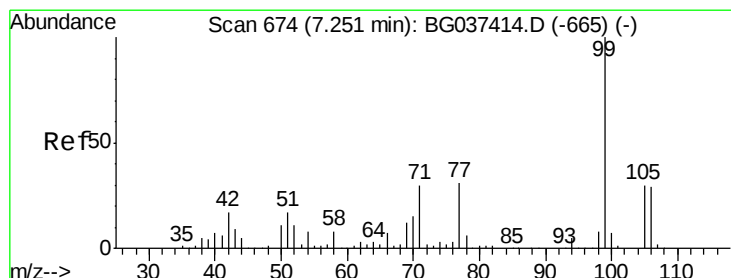
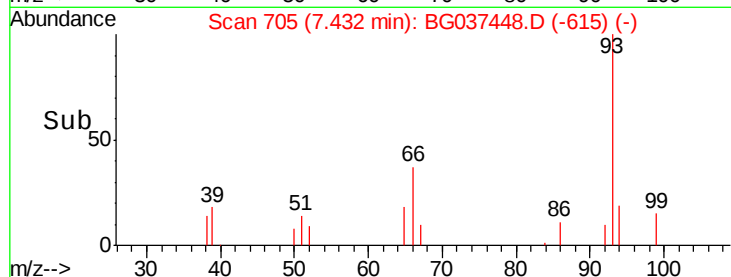
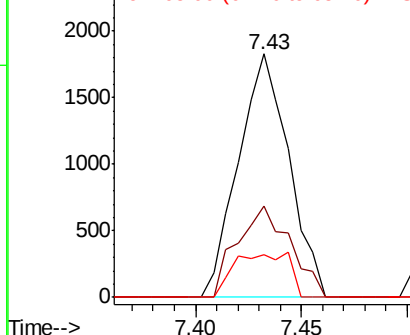
Tgt Ion:	93	Resp:	3031
Ion	Ratio	Lower	Upper
93	100		
66	37.4	32.8	49.2
65	17.7	16.4	24.6

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



#7

Phenol-d6

Concen: 131.483 ng

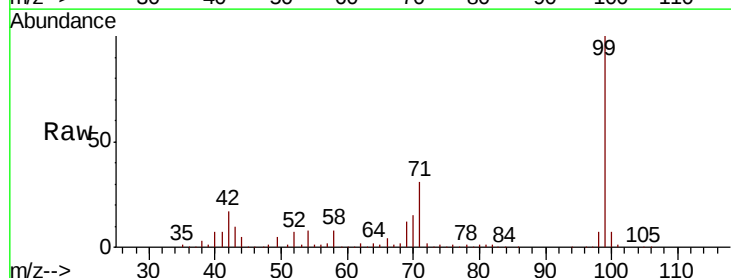
RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

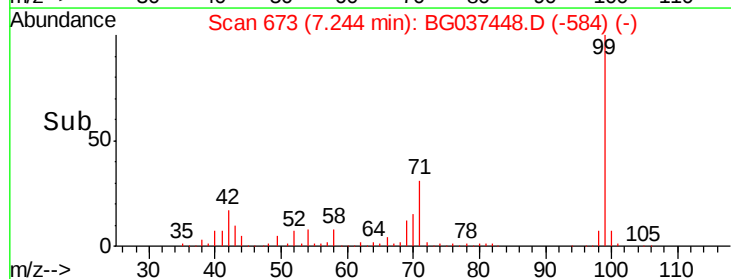
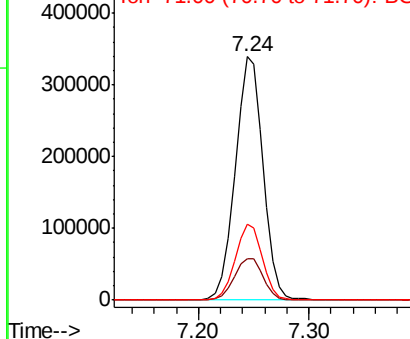
Lab File: BG037448.D

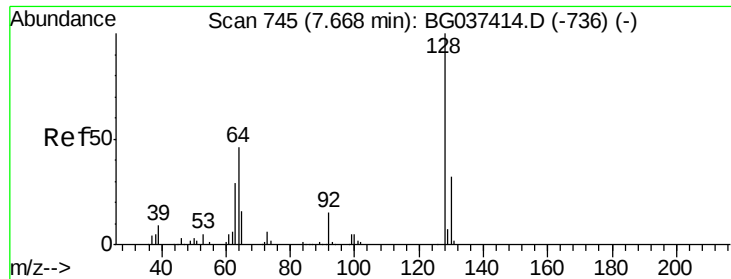
Acq: 19 Oct 2018 11:24

Tgt Ion:	99	Resp:	598020
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.0	22.4
71	31.2	25.5	38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





#8

2-Chlorophenol

Concen: 0.986 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

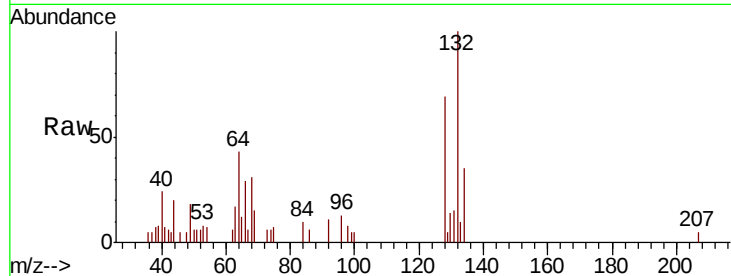
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	128	Resp:	3469
Ion Ratio	Lower	Upper	
128	100		
130	20.3	12.0	52.0
64	62.3	32.9	72.9

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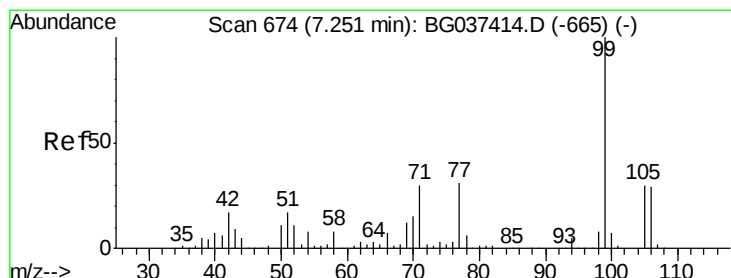
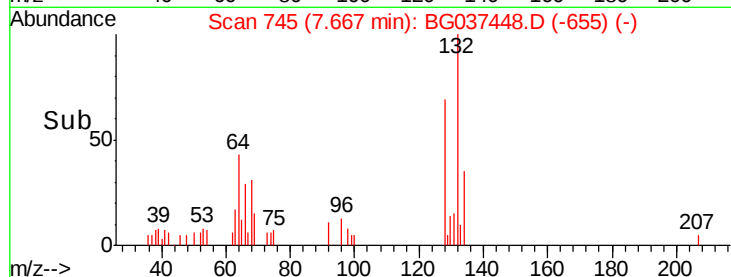
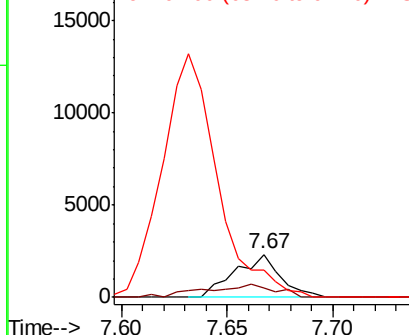


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 1.091 ng

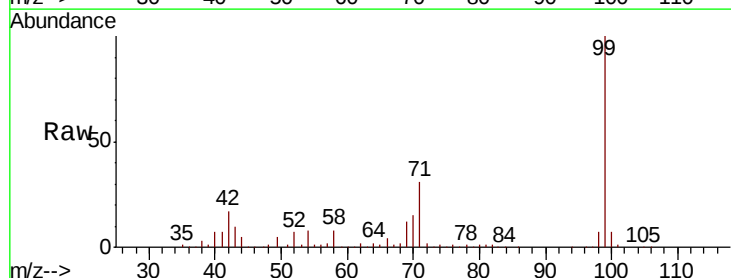
RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	77	Resp:	3105
Ion Ratio	Lower	Upper	
77	100		
105	63.2	72.6	112.6#
106	62.1	71.3	111.3#

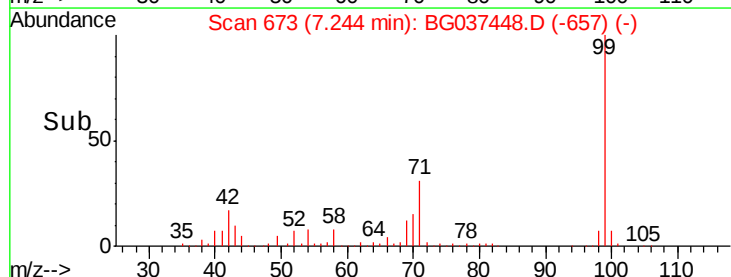
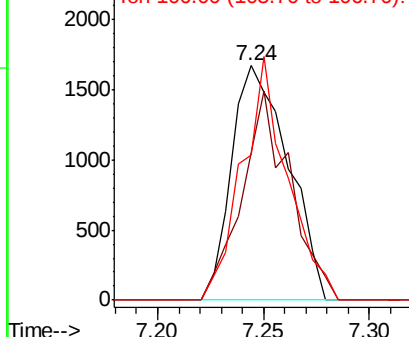


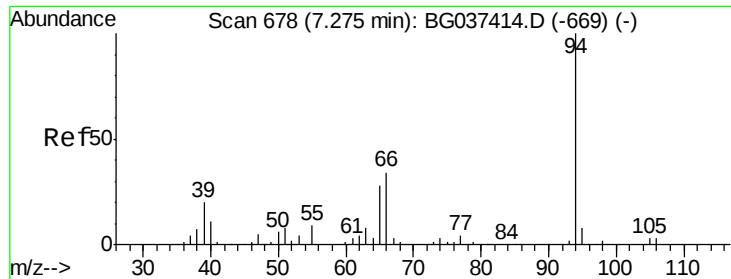
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





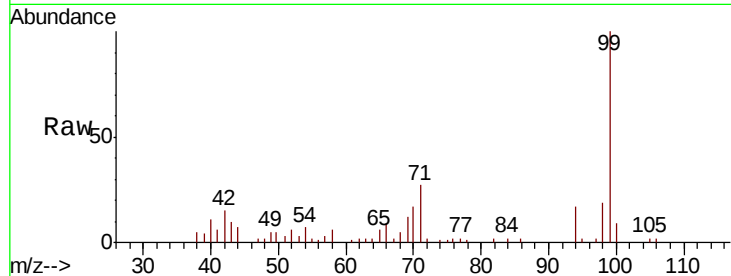
#10
Phenol
Concen: 0.979 ng
RT: 7.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
94	100		
65	35.1	9.7	49.7
66	51.0	15.9	55.9

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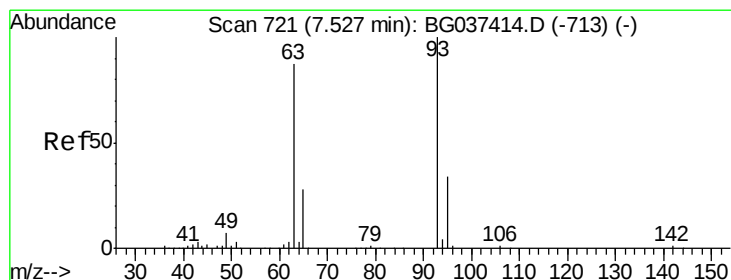
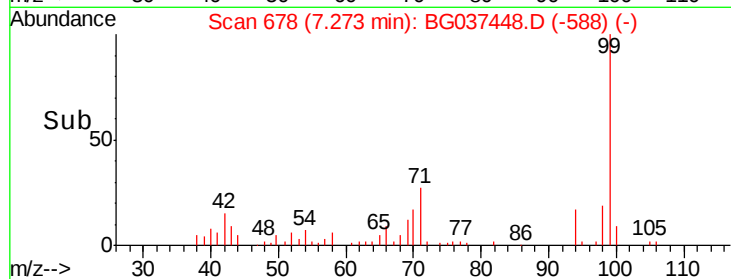
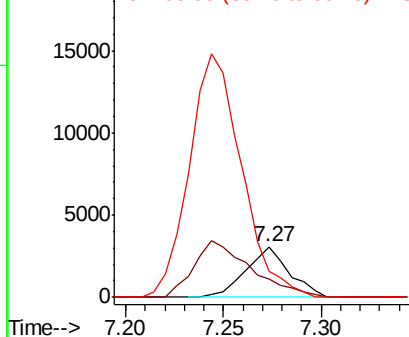


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#11
bis(2-Chloroethyl)ether
Concen: 0.964 ng
RT: 7.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

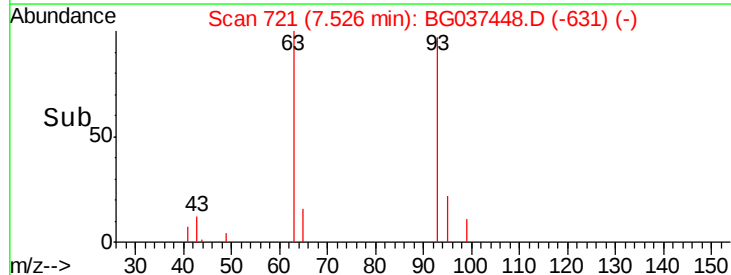
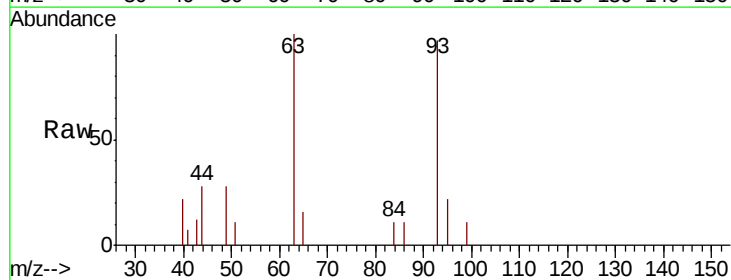
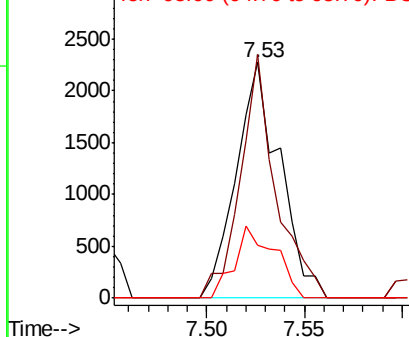
Tgt Ion	Ratio	Lower	Upper
93	100		
63	103.2	69.5	109.5
95	22.5	12.6	52.6

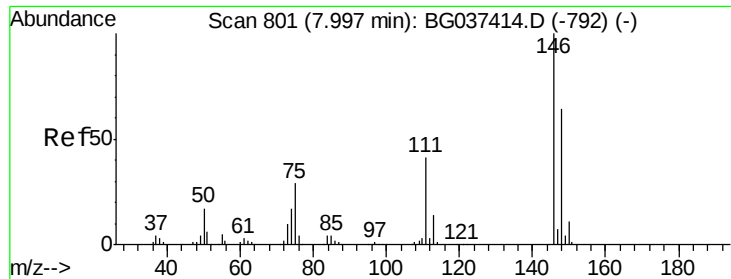
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





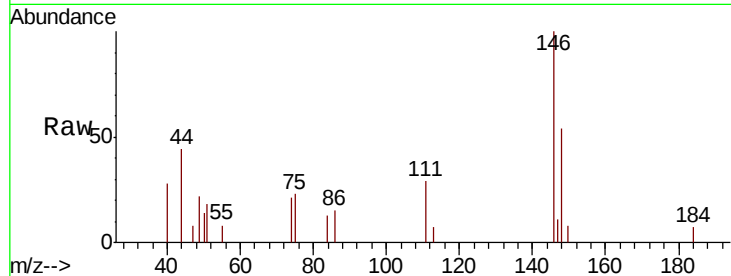
#12
 1,3-Dichlorobenzene
 Concen: 0.997 ng m
 RT: 8.00 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	54.0	49.8	74.8
75	23.1	23.2	34.8#

Manual Integrations
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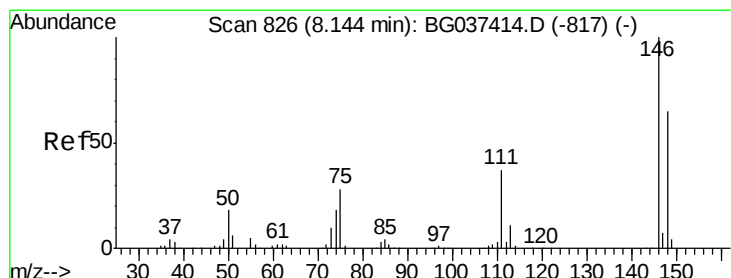
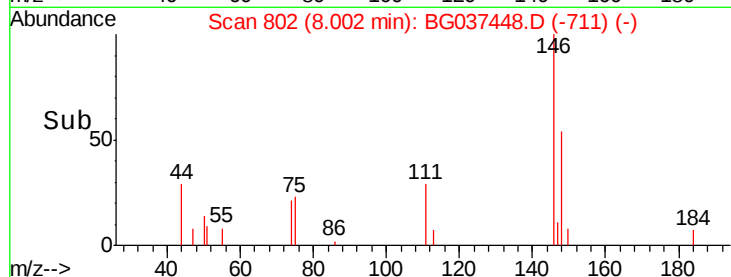
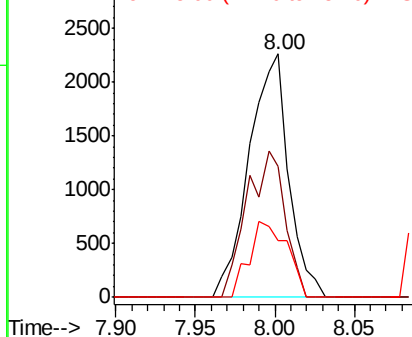


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BG



#13
 1,4-Dichlorobenzene
 Concen: 0.962 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

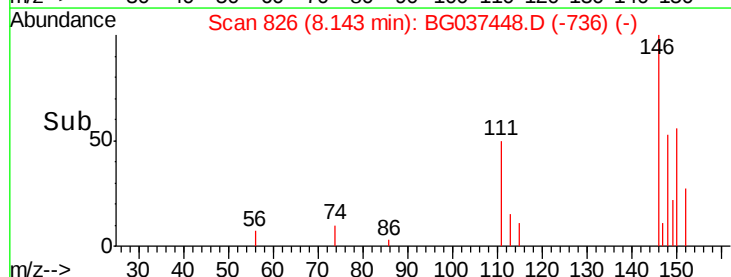
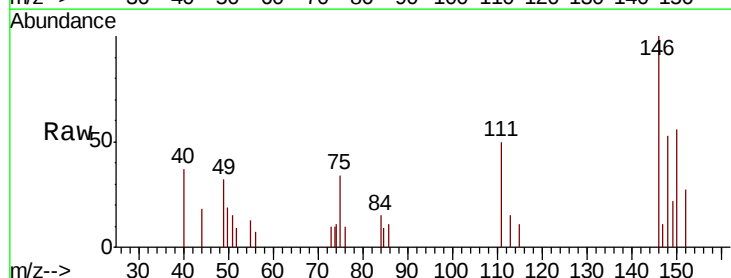
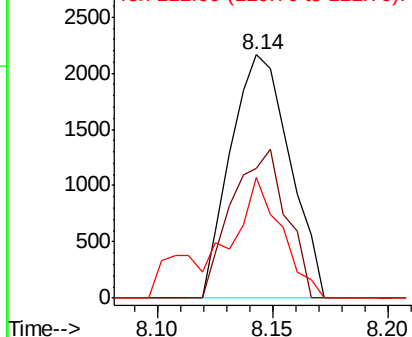
Tgt Ion	Ratio	Lower	Upper
146	100		
148	53.5	51.0	76.6
111	49.8	32.4	48.6#

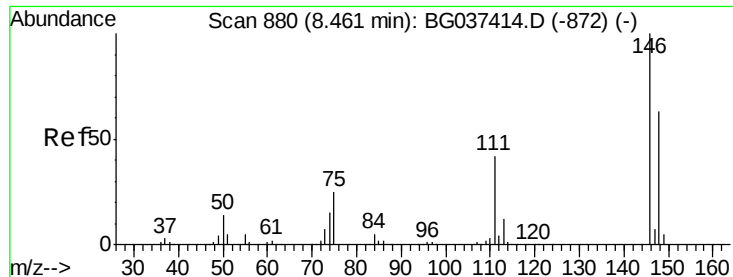
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





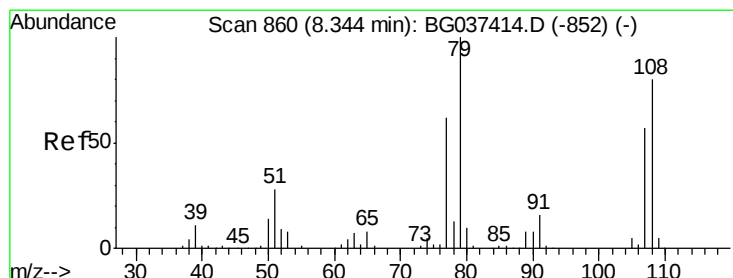
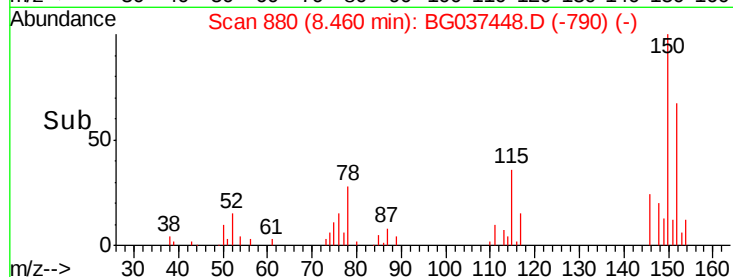
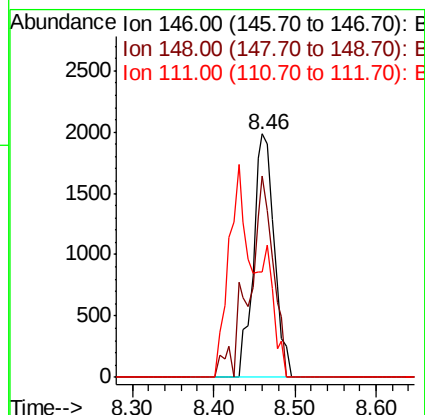
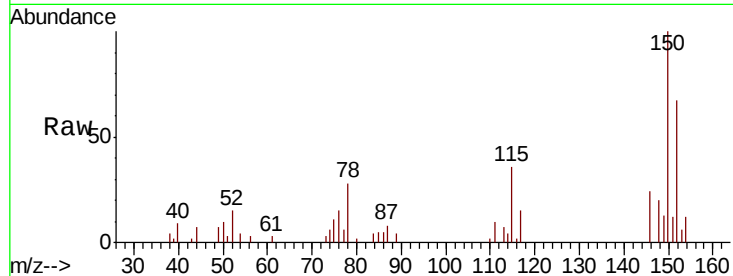
#14
1,2-Dichlorobenzene
Concen: 0.907 ng m
RT: 8.46 min Scan# 880
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 146 Resp: 3497
Ion Ratio Lower Upper
146 100
148 82.6 50.4 75.6#
111 43.2 34.6 51.8

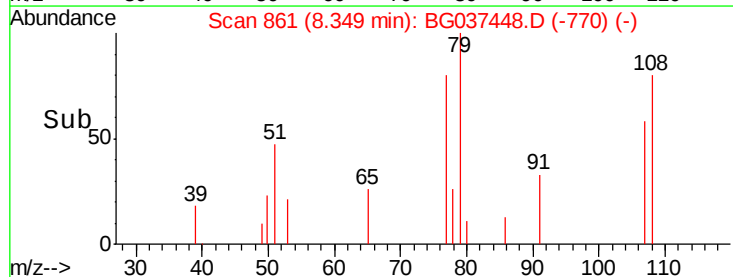
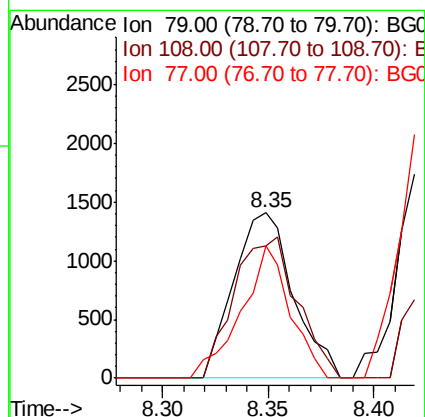
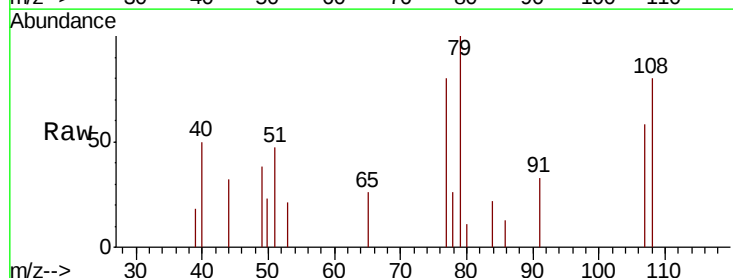
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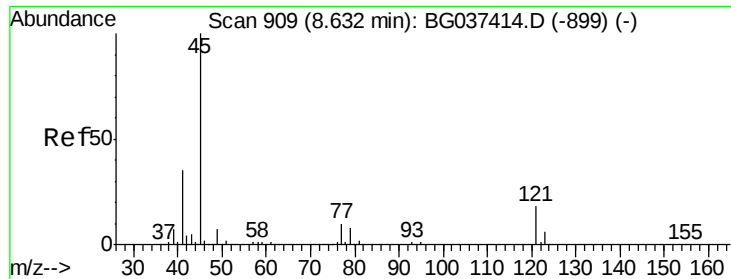
Sohil
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#15
Benzyl Alcohol
Concen: 0.820 ng
RT: 8.35 min Scan# 861
Delta R.T. 0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion: 79 Resp: 2755
Ion Ratio Lower Upper
79 100
108 80.2 65.8 98.8
77 80.0 52.9 79.3#





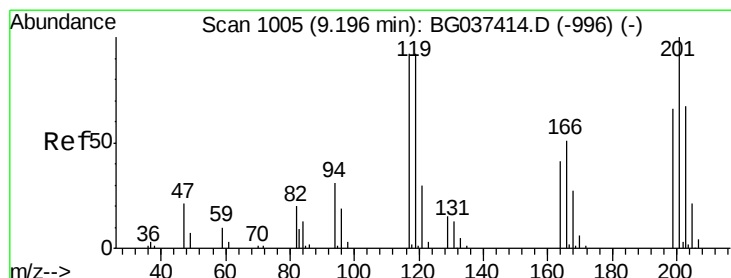
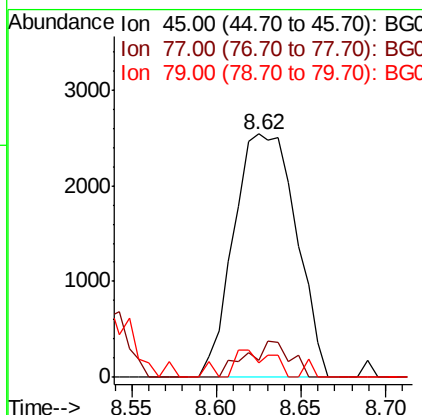
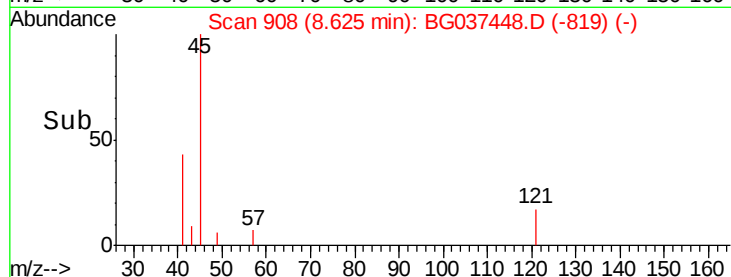
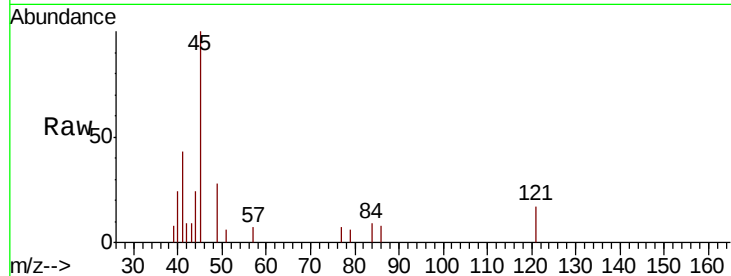
#16
2,2'-oxybis(1-chloropropane)
Concen: 0.995 ng
RT: 8.62 min Scan# 908
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
45	100		
77	6.8	0.0	30.0
79	5.9	0.0	29.0

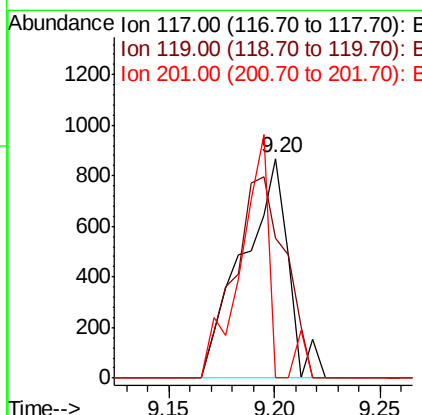
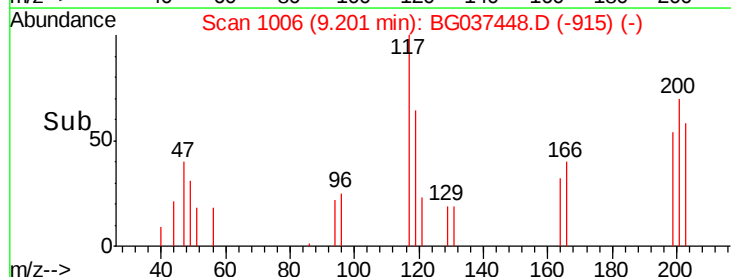
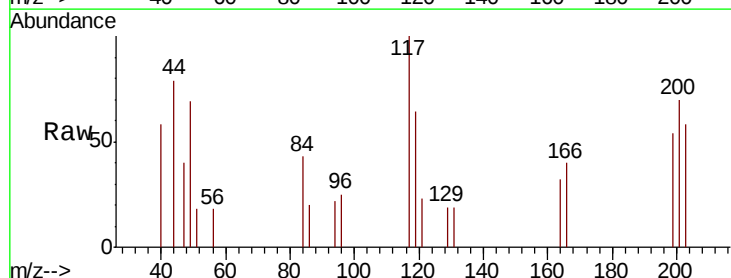
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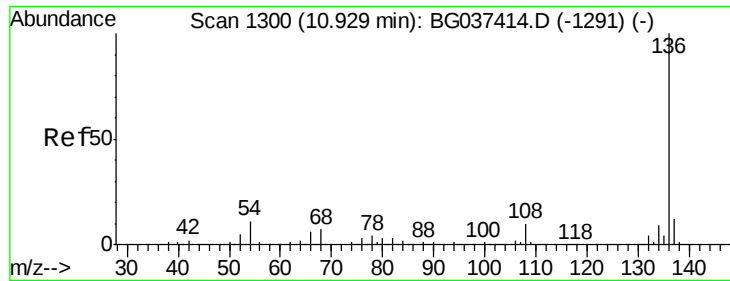
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#18
Hexachloroethane
Concen: 0.952 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	63.5	74.6	111.8#
201	0.0	80.8	121.2#





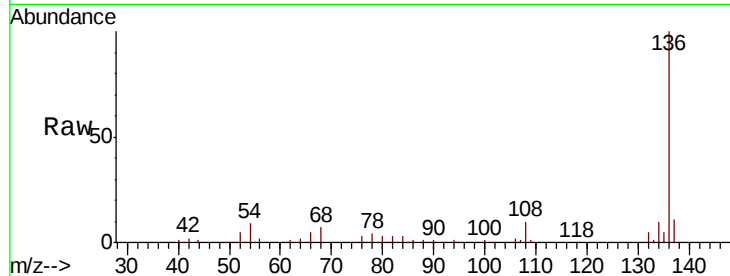
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.3	9.6	14.4
54	9.4	7.9	11.9
68	7.4	4.8	7.2#

Manual Integrations
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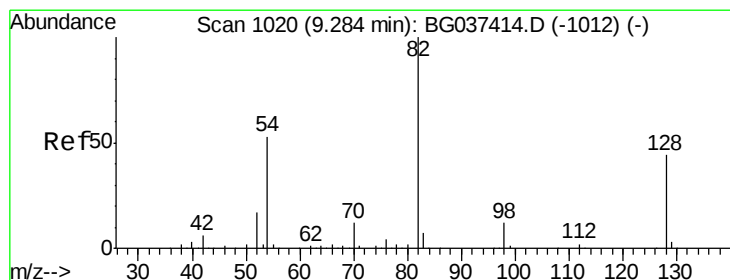
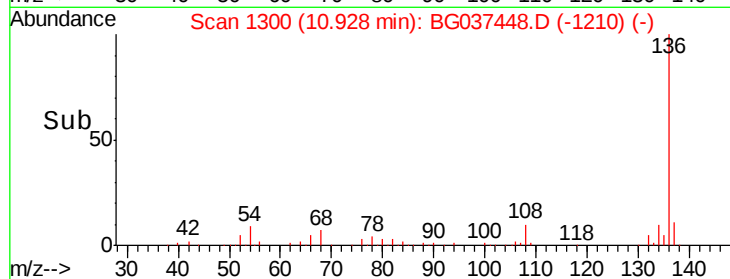
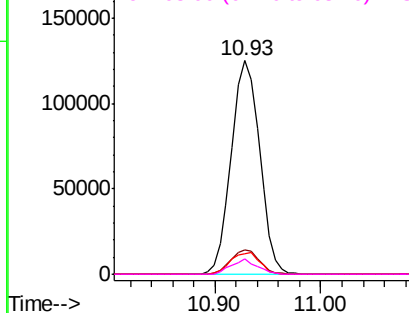
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

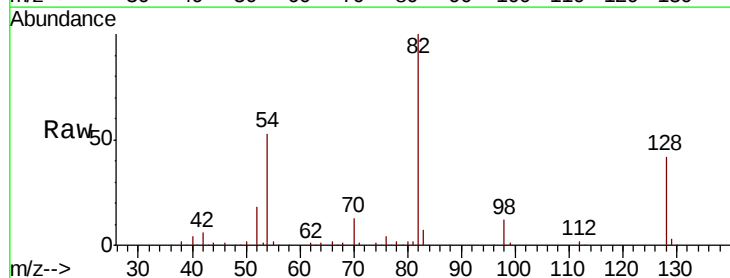
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 83.847 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	42.4	34.6	51.8
54	53.3	45.3	67.9

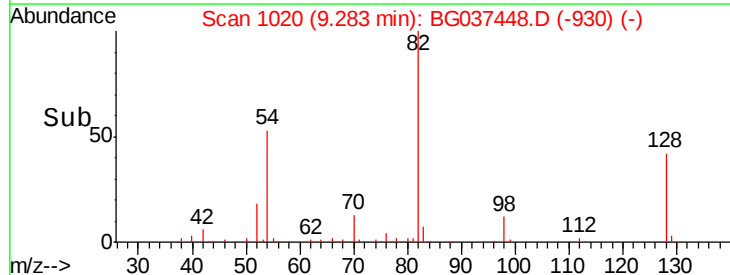
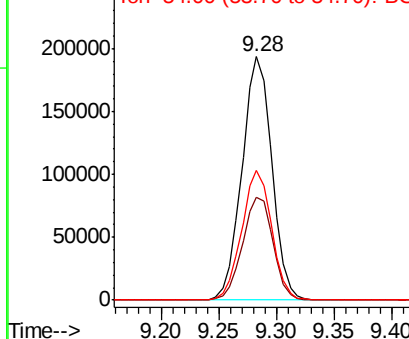


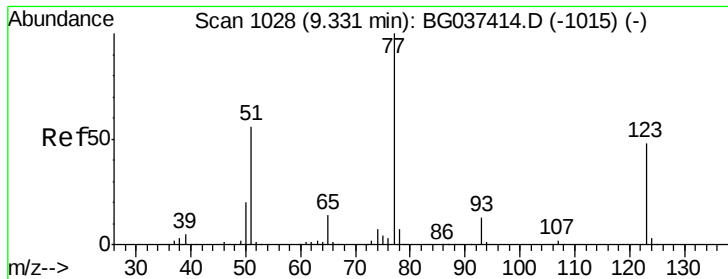
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





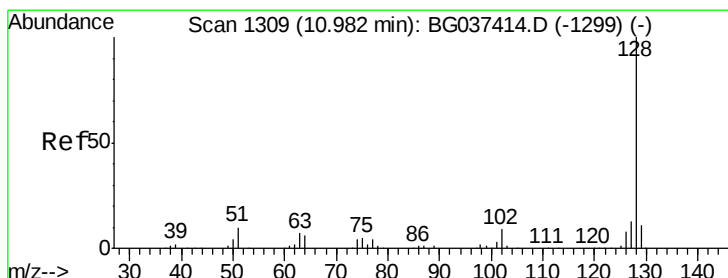
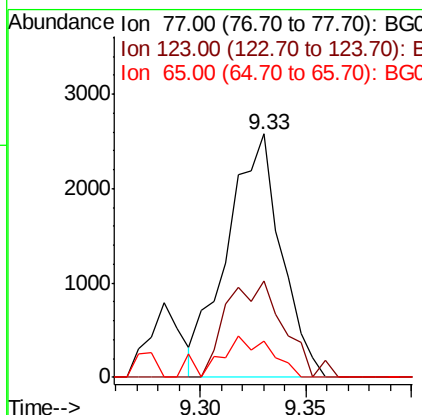
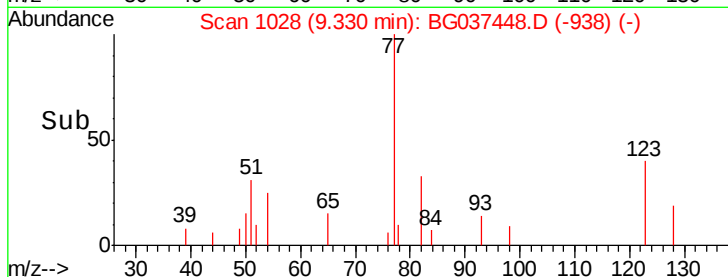
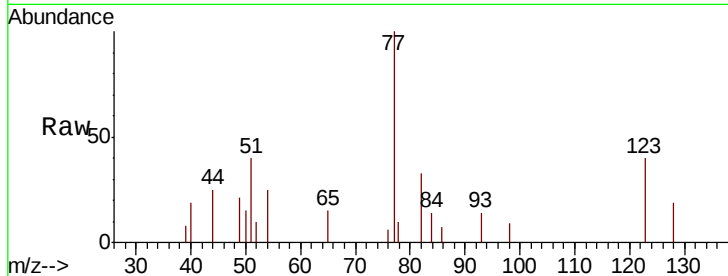
#24
Nitrobenzene
Concen: 1.056 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.9	33.6	50.4
65	15.1	11.3	16.9

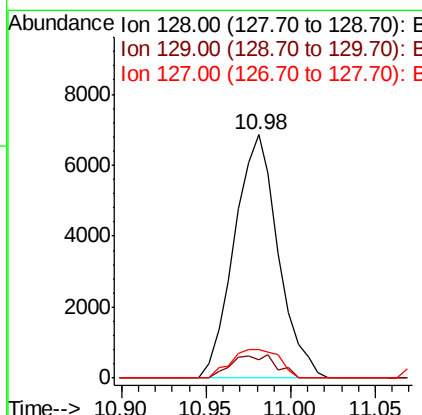
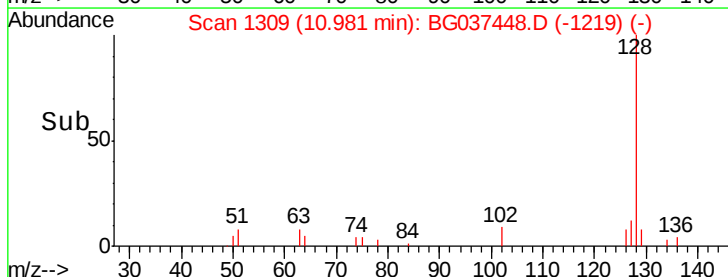
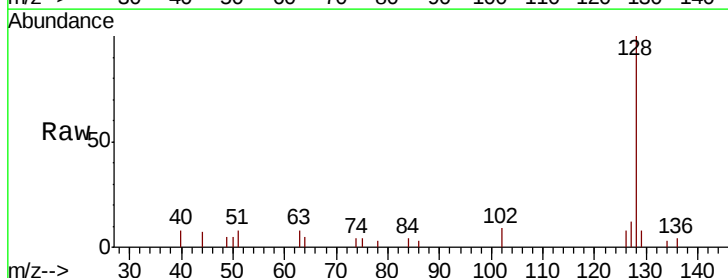
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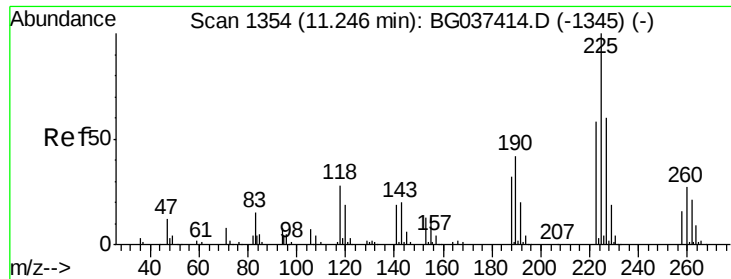
Sohil
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#31
Naphthalene
Concen: 1.081 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.7	9.0	13.6#
127	11.6	11.1	16.7





#34

Hexachlorobutadiene

Concen: 0.916 ng

RT: 11.25 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

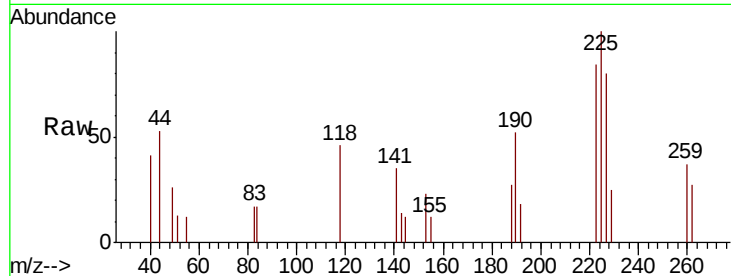
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

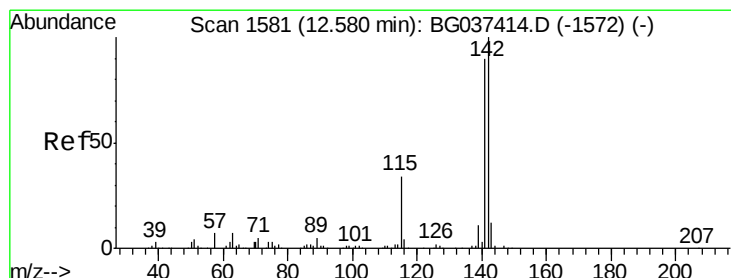
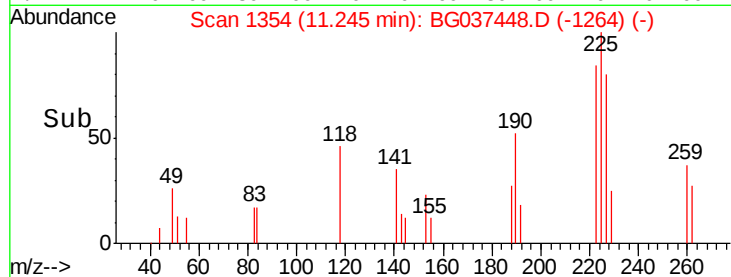
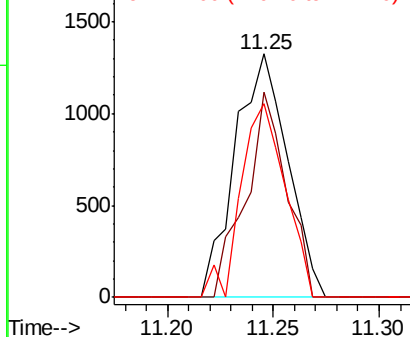
Tgt Ion:	225	Resp:	2286
Ion Ratio	Lower	Upper	
225	100		
223	84.2	48.2	72.4#
227	79.6	51.6	77.4#

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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: 1.122 ng

RT: 12.58 min Scan# 1581

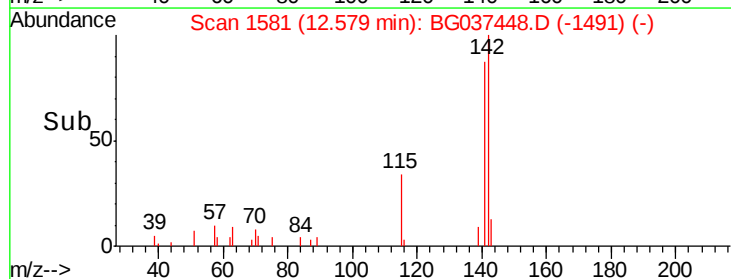
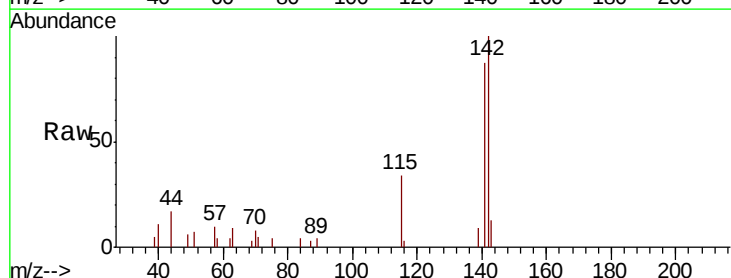
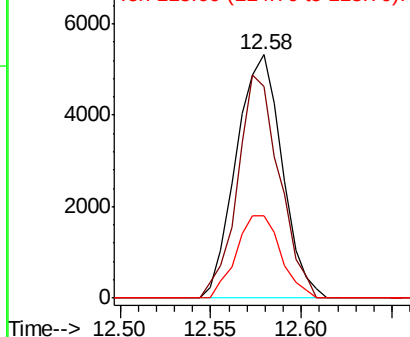
Delta R.T. -0.00 min

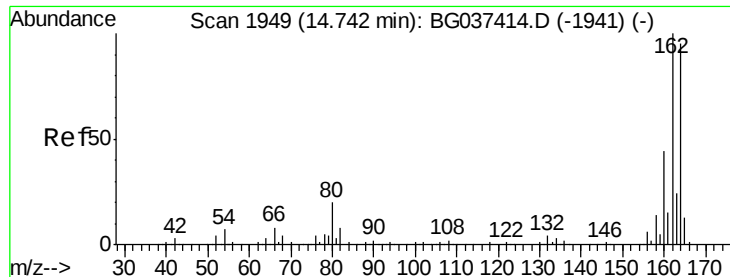
Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	142	Resp:	9364
Ion Ratio	Lower	Upper	
142	100		
141	86.8	71.9	107.9
115	33.8	27.8	41.8

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

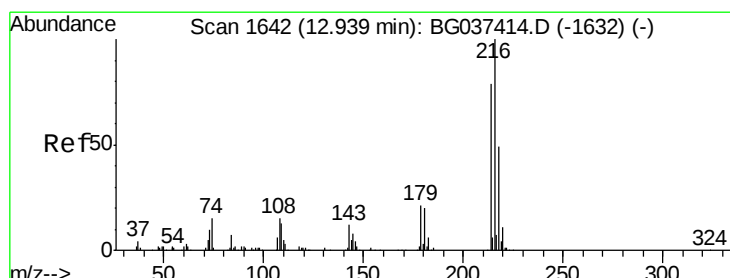
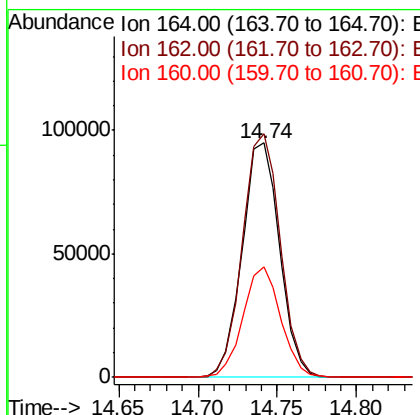
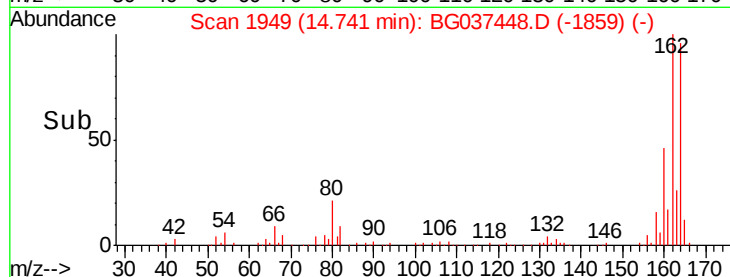
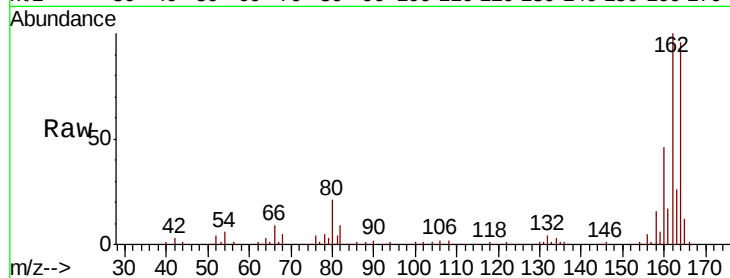
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	164	Resp:	155854
Ion Ratio	Lower	Upper	
164	100		
162	103.8	81.3	121.9
160	47.4	36.3	54.5

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.996 ng

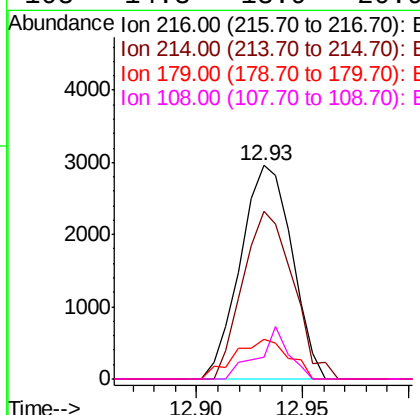
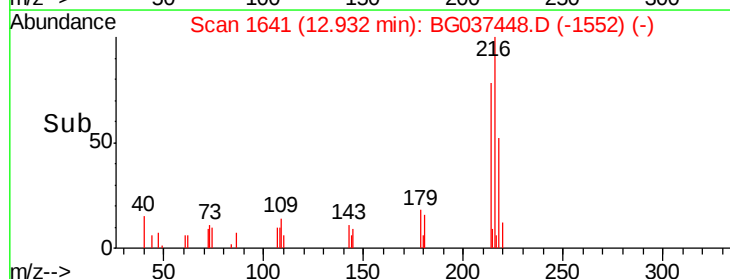
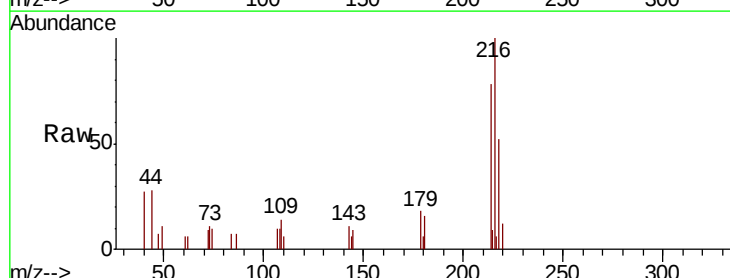
RT: 12.93 min Scan# 1641

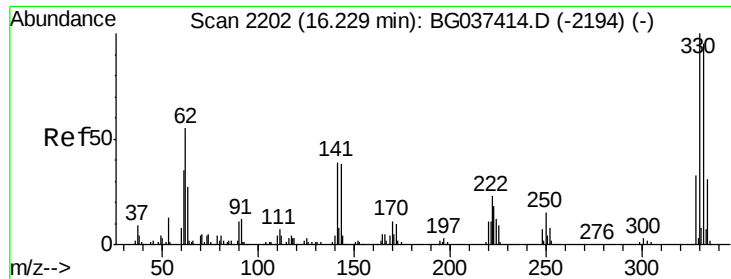
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	216	Resp:	5006
Ion Ratio	Lower	Upper	
216	100		
214	76.4	63.8	95.6
179	19.5	17.4	26.0
108	14.3	13.9	20.9





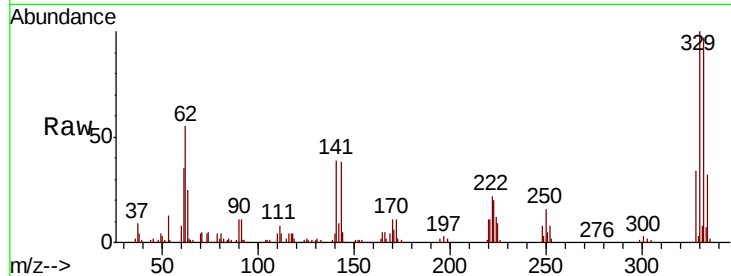
#42
 2,4,6-Tribromophenol
 Concen: 135.046 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	229562		
332	97.2	78.4	117.6	
141	40.0	32.2	48.2	

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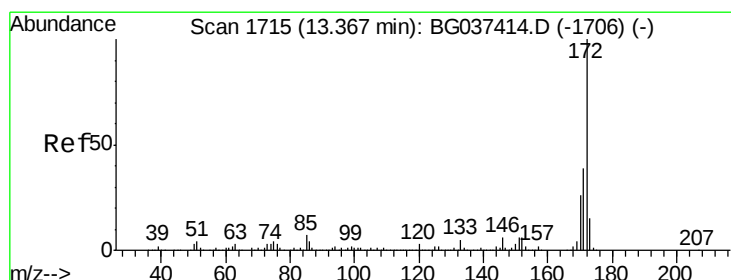
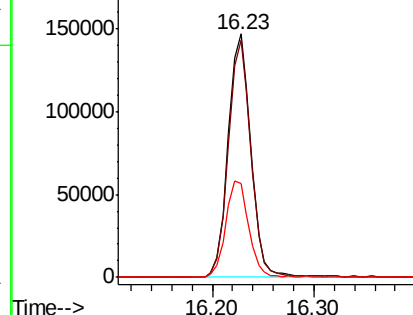
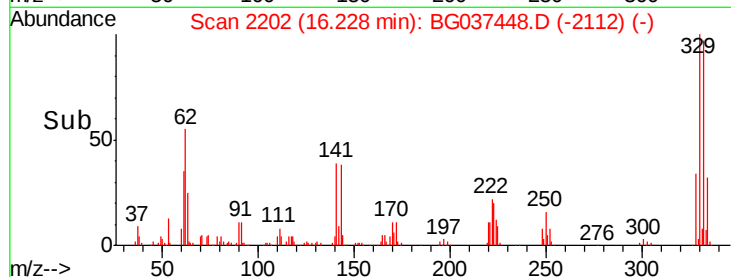


Abundance

Ion 329.80 (329.50 to 330.50): E

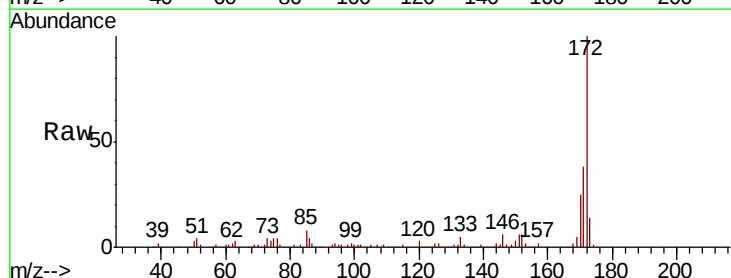
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.625 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	864307		
171	37.7	31.0	46.4	
170	25.0	20.2	30.2	

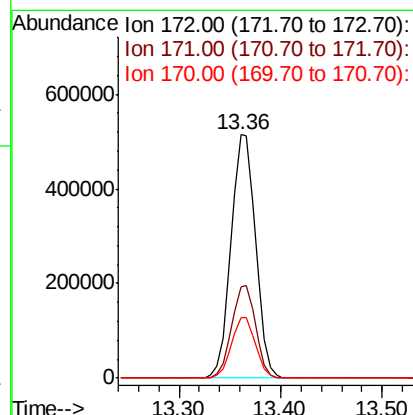
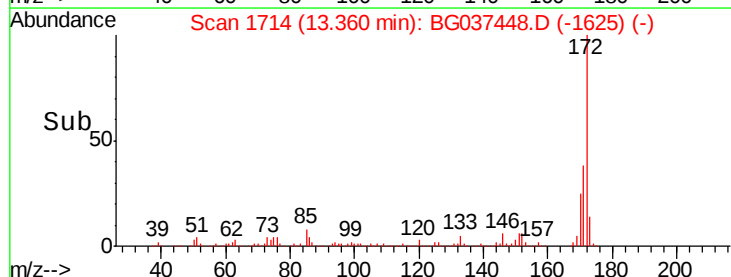


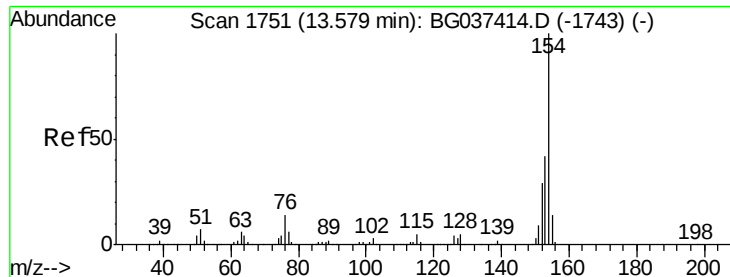
Abundance

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





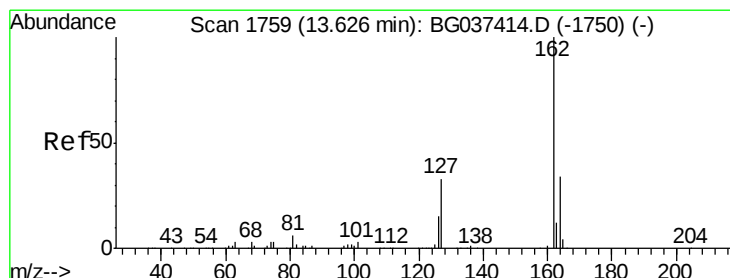
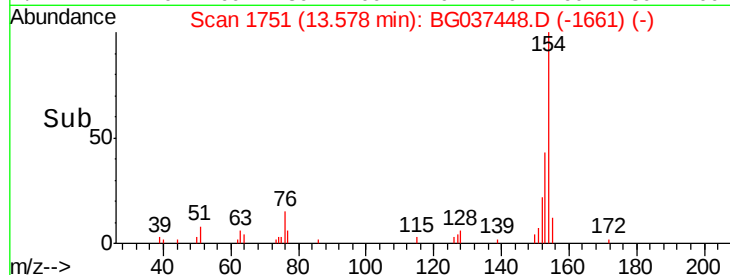
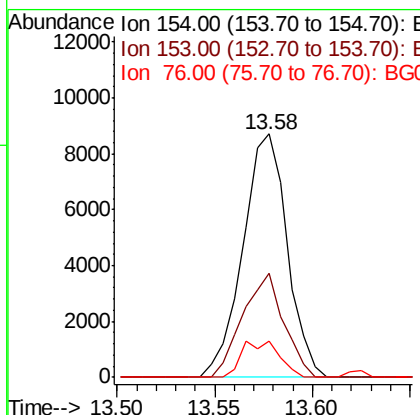
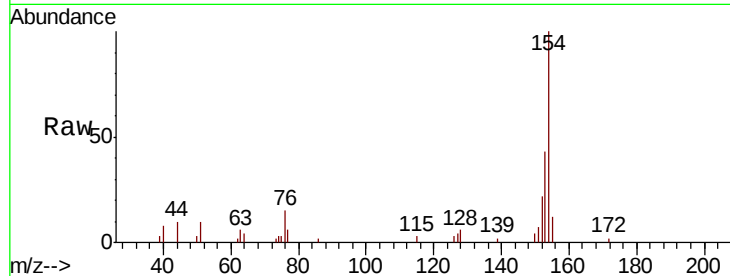
#46
1,1'-Biphenyl
Concen: 1.058 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.6	22.1	62.1
76	14.7	0.0	33.2

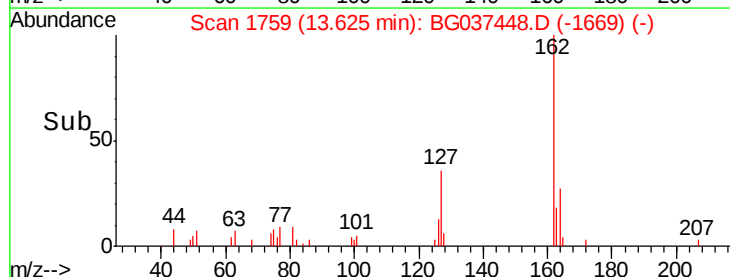
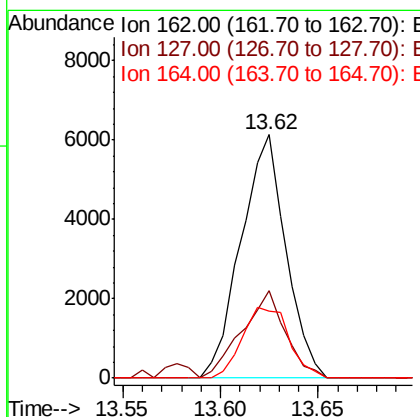
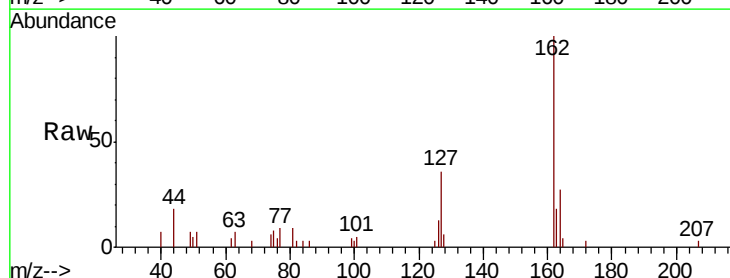
Manual Integrations
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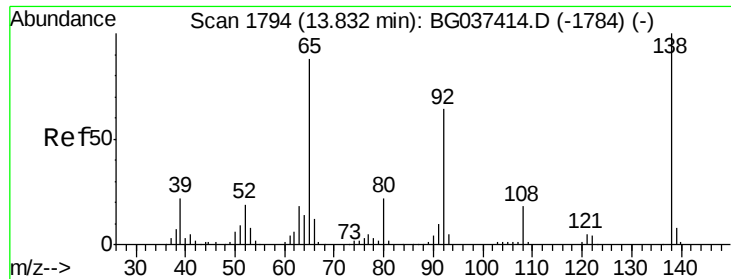
Sohil
10/22/2018 3:38:03 PM



#47
2-Chloronaphthalene
Concen: 1.000 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.5	45.7
164	27.5	26.4	39.6





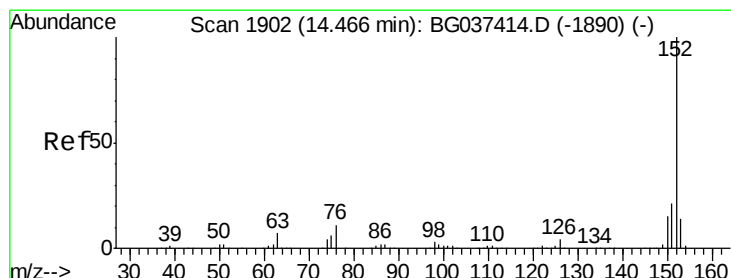
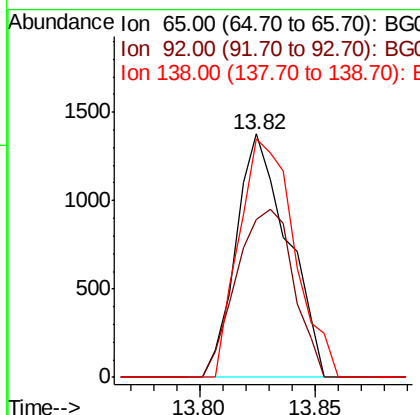
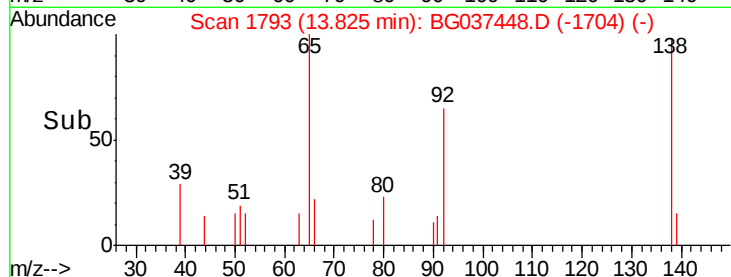
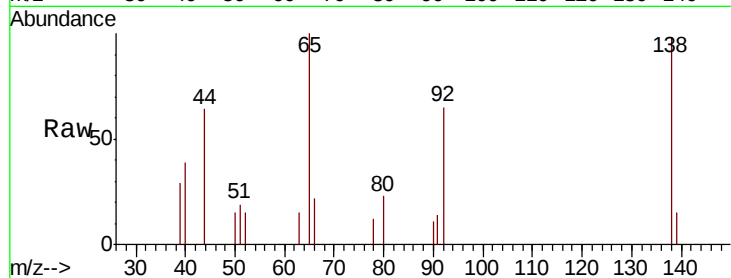
#48
2-Nitroaniline
Concen: 0.722 ng
RT: 13.82 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 65 Resp: 2138
Ion Ratio Lower Upper
65 100
92 65.1 53.2 79.8
138 97.8 79.3 118.9

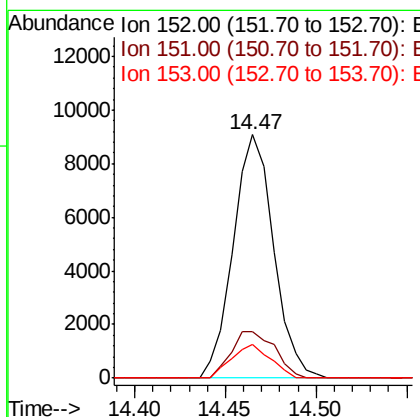
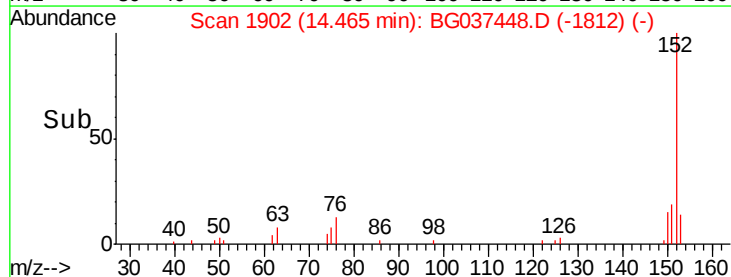
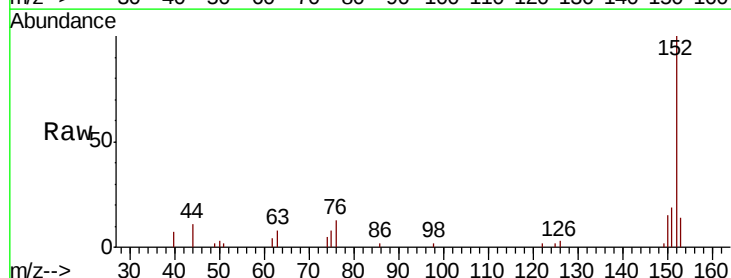
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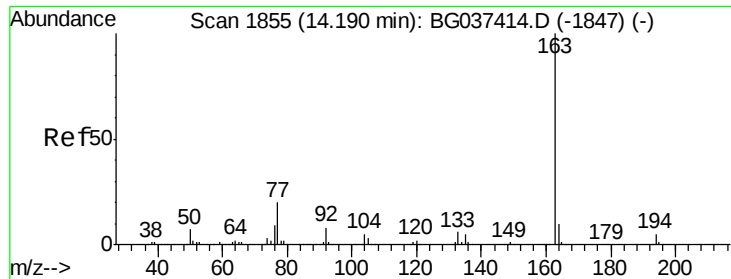
Sohil
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#49
Acenaphthylene
Concen: 0.958 ng
RT: 14.47 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion: 152 Resp: 14071
Ion Ratio Lower Upper
152 100
151 18.9 17.1 25.7
153 14.1 11.1 16.7





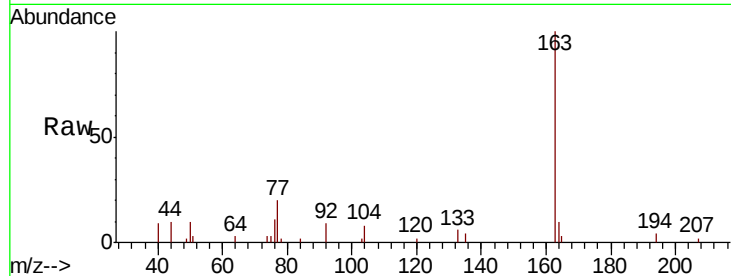
#50
Dimethylphthalate
Concen: 1.038 ng
RT: 14.18 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	12519		
194	4.2		3.5	5.3
164	10.2		8.5	12.7

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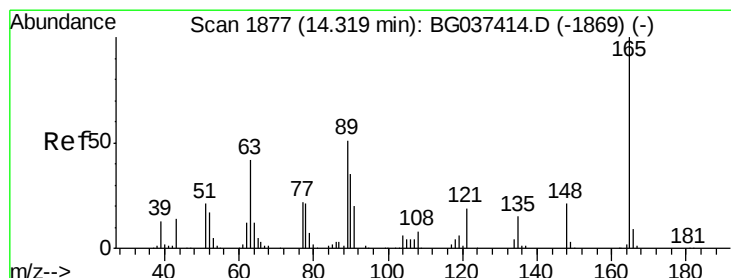
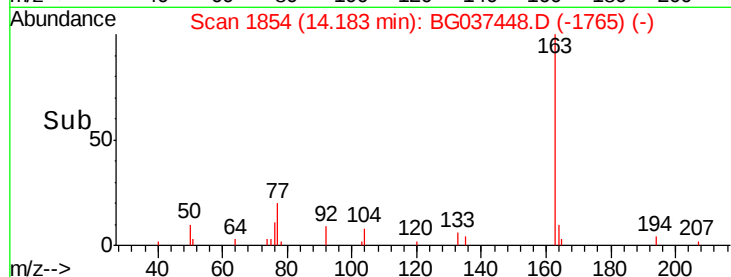
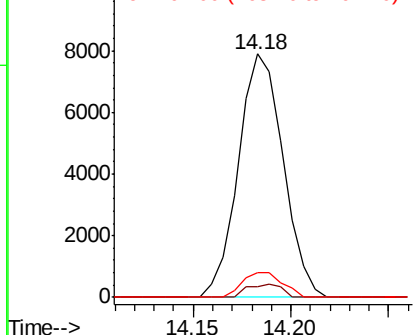


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 0.748 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

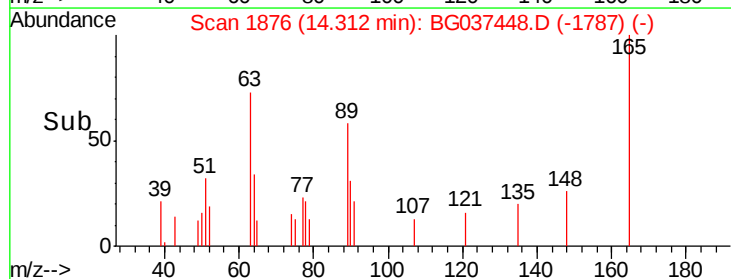
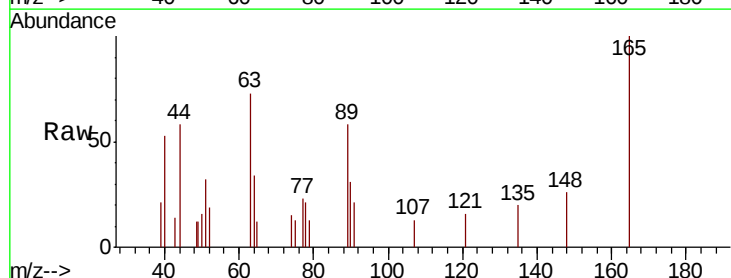
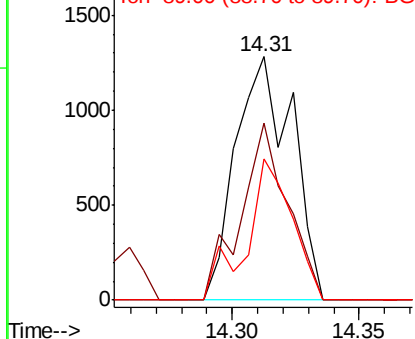
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	1996		
63	72.5		43.4	65.2#
89	57.9		45.8	68.6

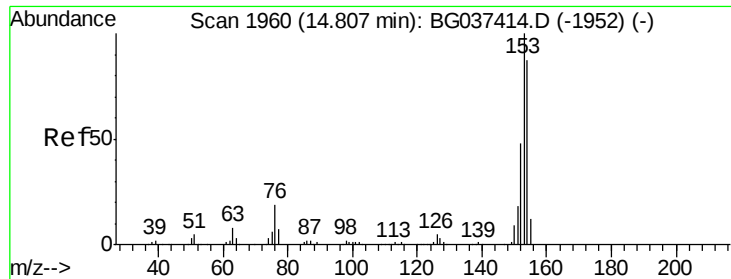
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 1.090 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037448.D

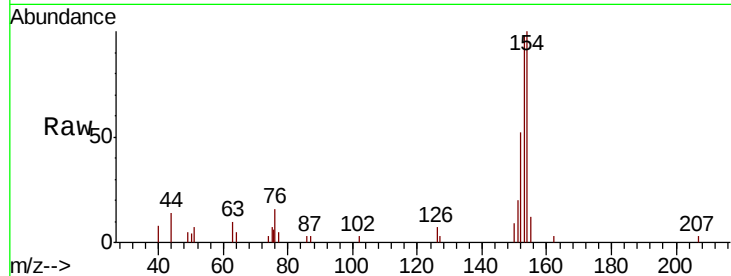
Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

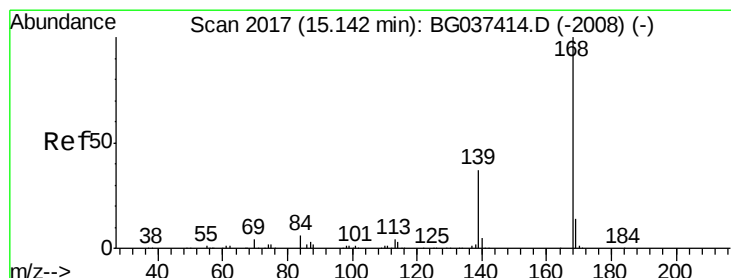
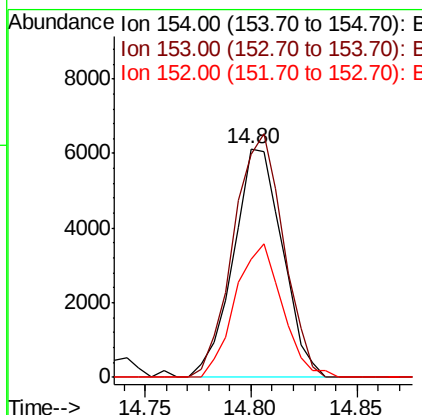
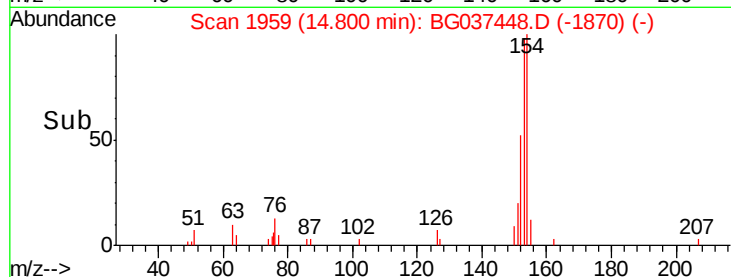
LOD-MDL-SOIL-01-QT4-2018



Tgt Ion:	154	Resp:	9857
Ion Ratio	Lower	Upper	
154	100		
153	97.6	93.4	140.0
152	51.9	44.7	67.1

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#55

Dibenzofuran

Concen: 1.073 ng

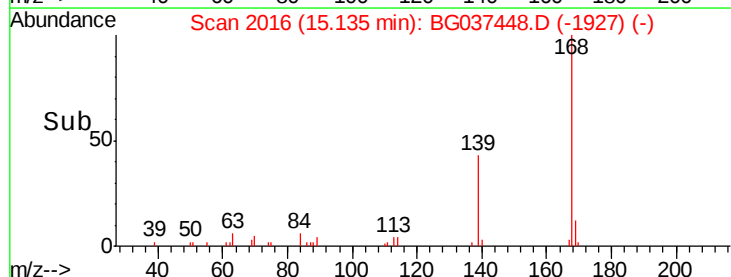
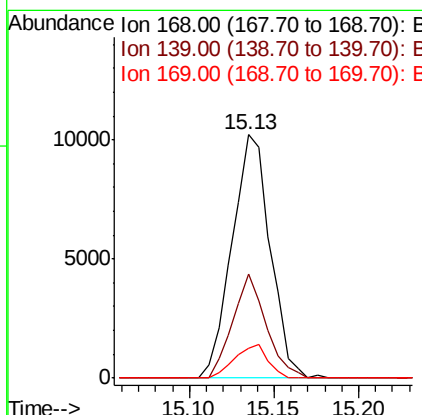
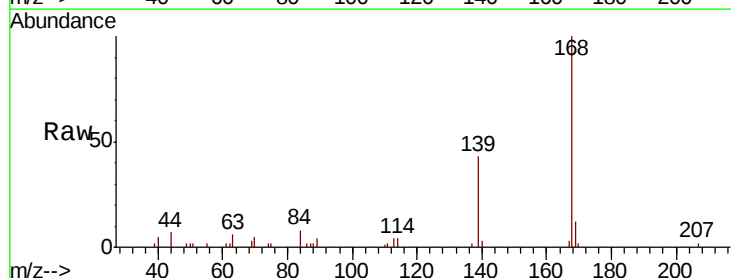
RT: 15.13 min Scan# 2016

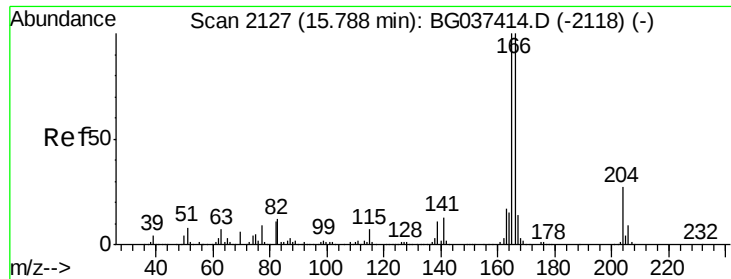
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	168	Resp:	16084
Ion Ratio	Lower	Upper	
168	100		
139	43.0	29.4	44.0
169	12.1	11.0	16.6





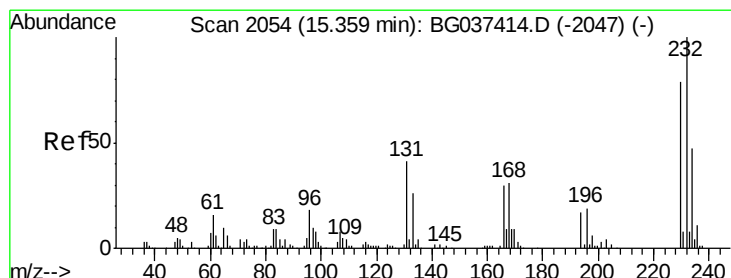
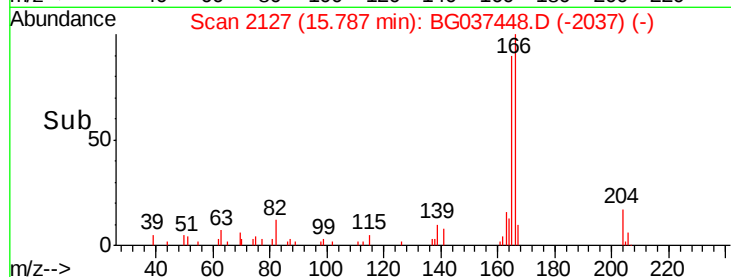
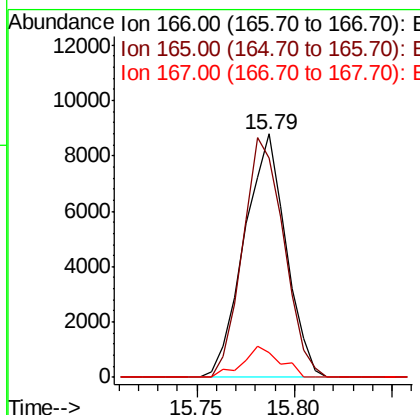
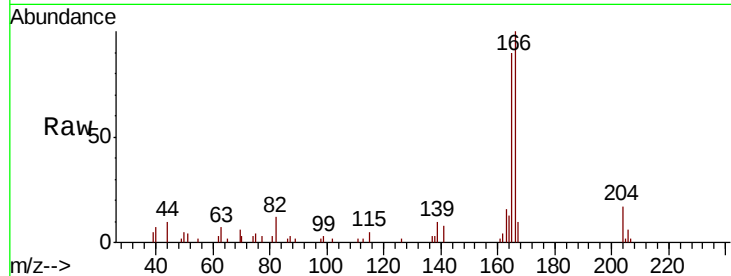
#58
 Fluorene
 Concen: 1.156 ng
 RT: 15.79 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.1	79.0	118.6
167	10.1	11.3	16.9#

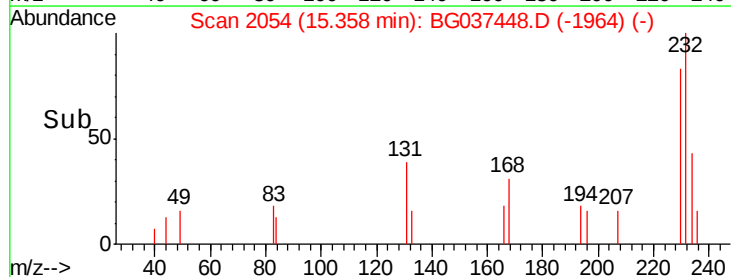
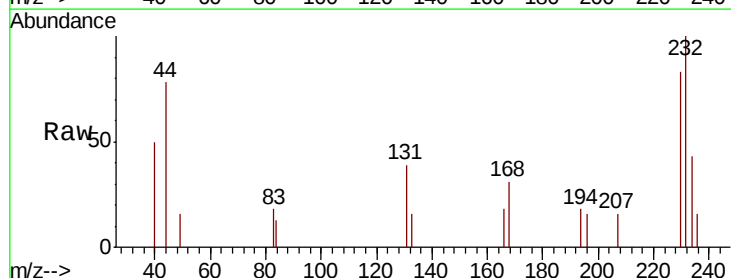
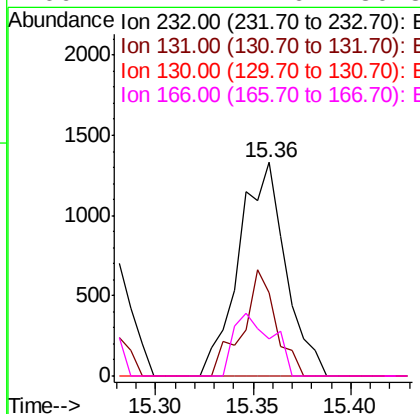
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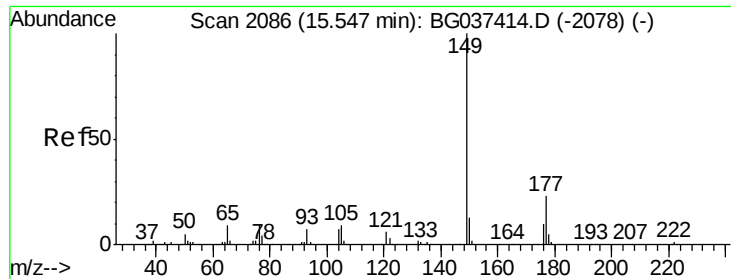
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#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.707 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
232	100		
131	35.4	33.7	50.5
130	0.0	2.1	3.1#
166	24.1	24.6	36.8#





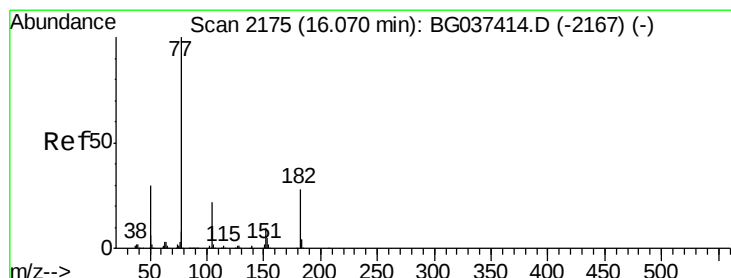
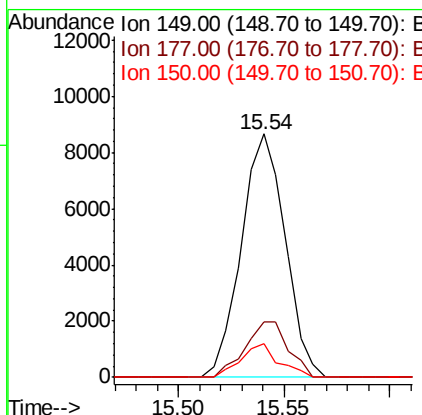
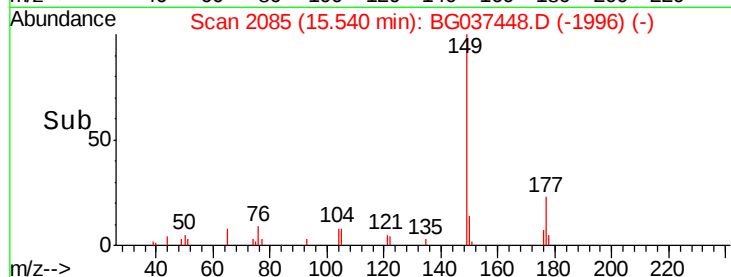
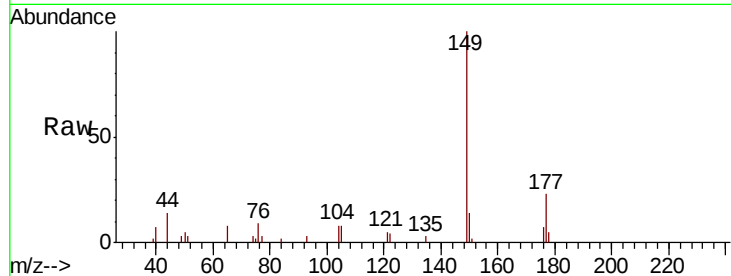
#60
Diethylphthalate
Concen: 1.006 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	14.0	10.0	15.0

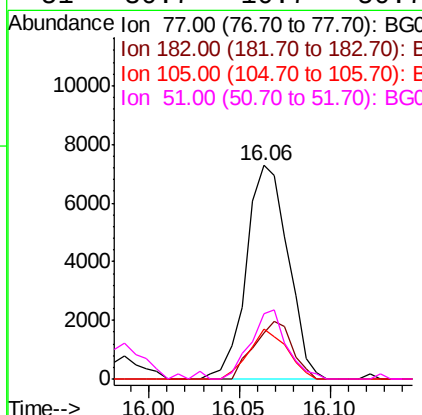
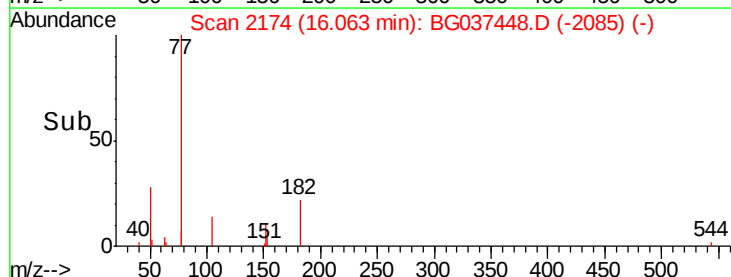
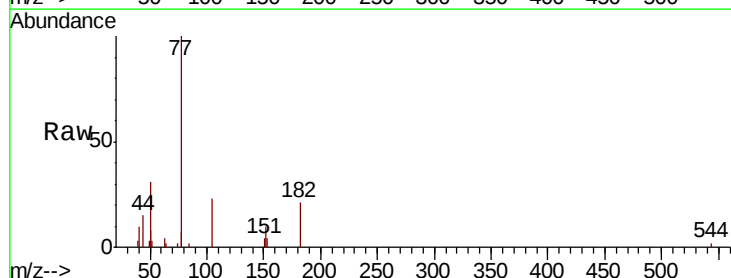
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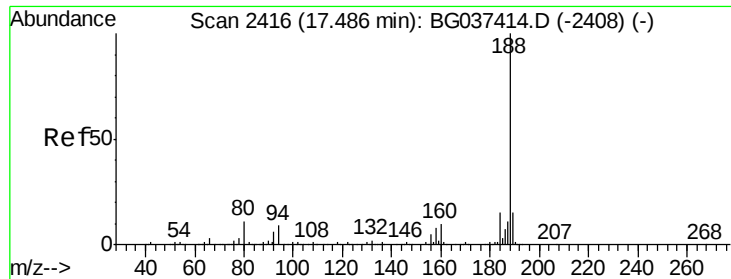
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#63
Azobenzene
Concen: 0.983 ng
RT: 16.06 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.5	8.0	48.0
105	23.2	1.3	41.3
51	30.7	10.7	50.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

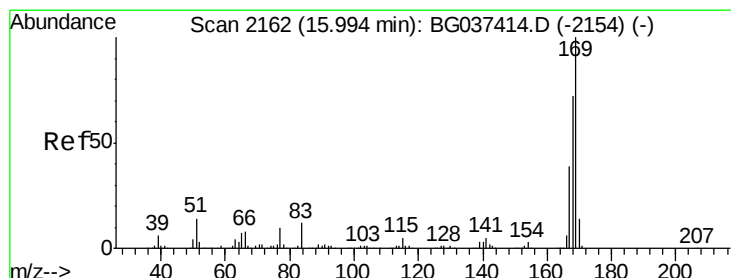
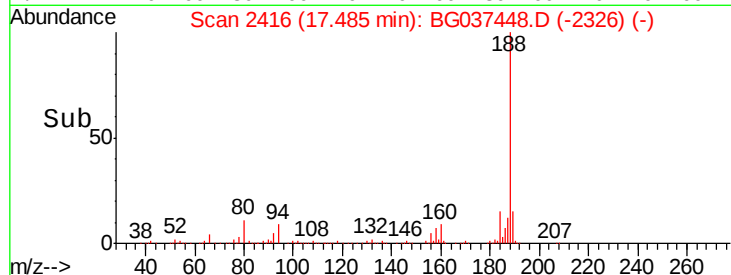
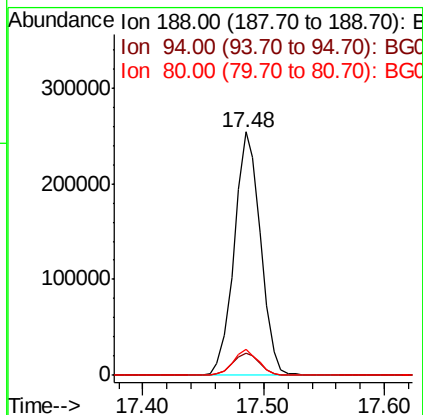
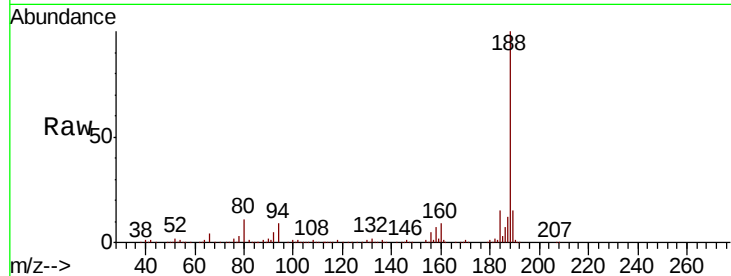
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	188	Resp:	385113
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	10.6	7.7	11.5

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#66

n-Nitrosodiphenylamine

Concen: 0.889 ng

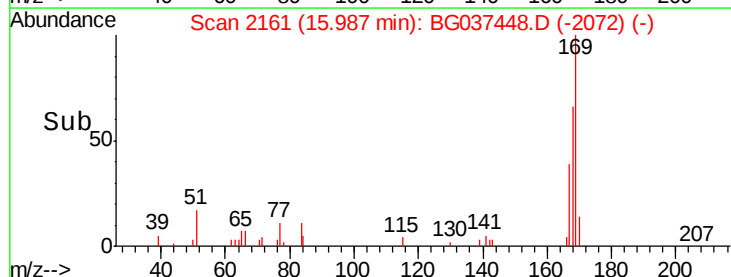
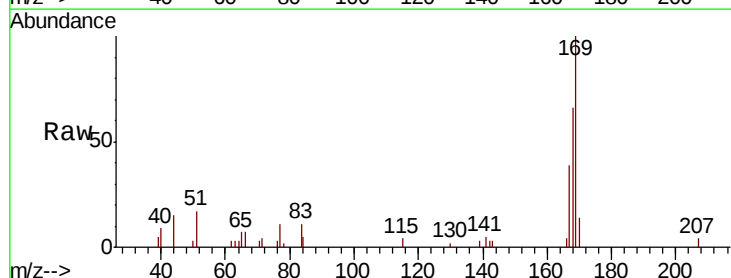
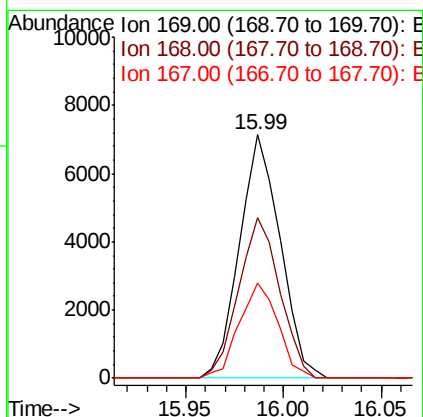
RT: 15.99 min Scan# 2161

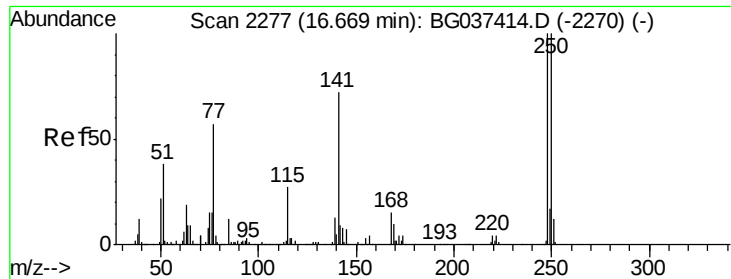
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	169	Resp:	10301
Ion Ratio	Lower	Upper	
169	100		
168	65.9	55.7	83.5
167	39.3	31.3	46.9





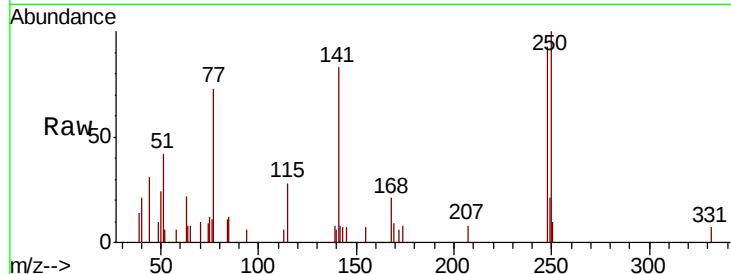
#67
4-Bromophenyl-phenylether
Concen: 0.916 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	3872		
250	119.2	77.0	115.6#	
141	89.7	55.5	83.3#	

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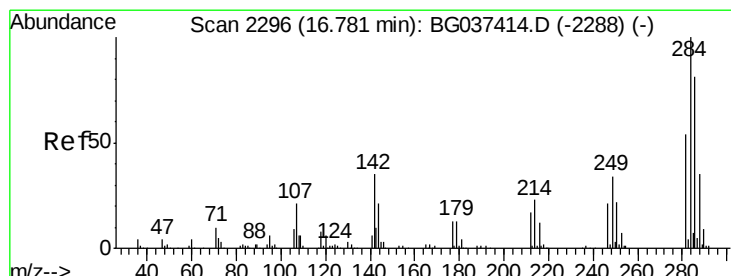
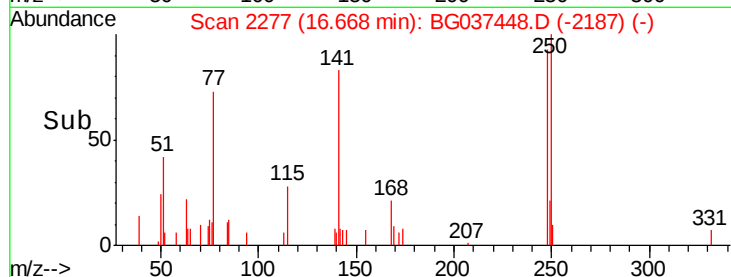
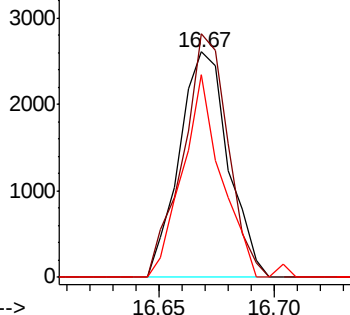


Abundance

Ion 248.00 (247.70 to 248.70): E

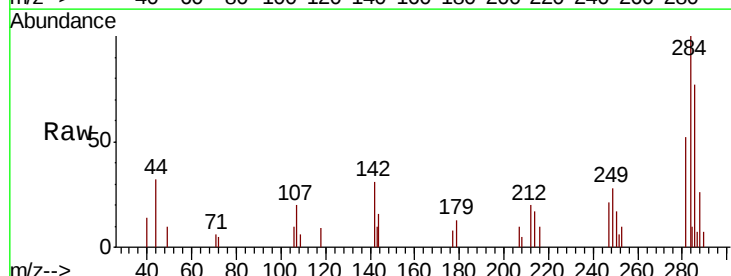
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 0.916 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	4017		
142	31.1	28.1	42.1	
249	28.2	29.8	44.8#	

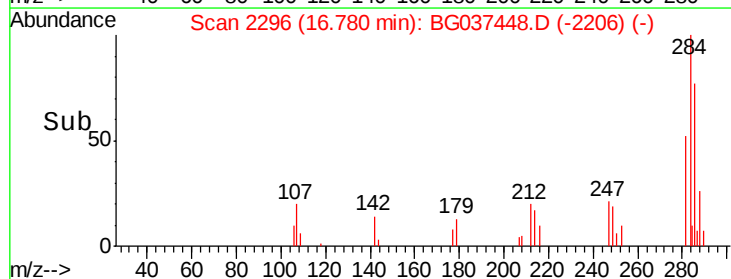
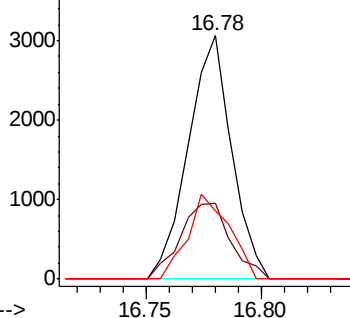


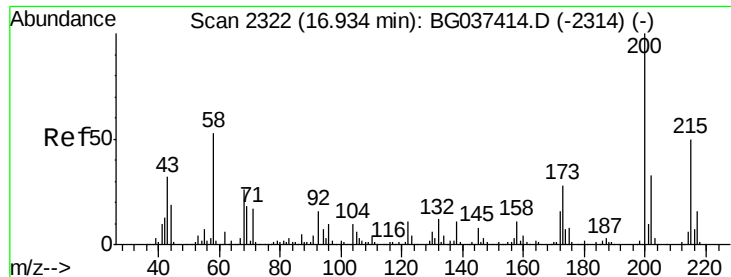
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





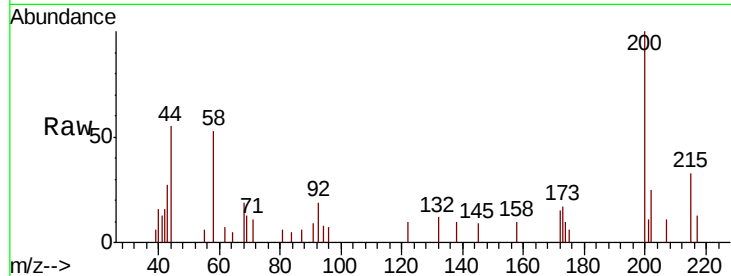
#69
Atrazine
Concen: 0.893 ng
RT: 16.92 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

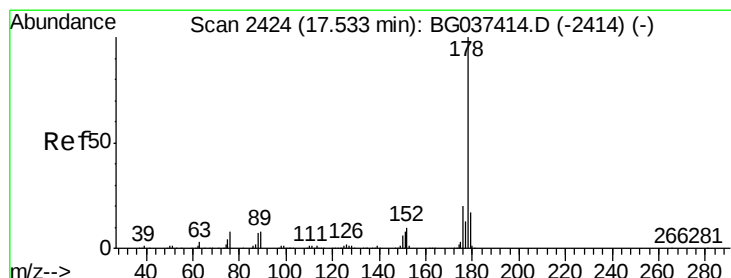
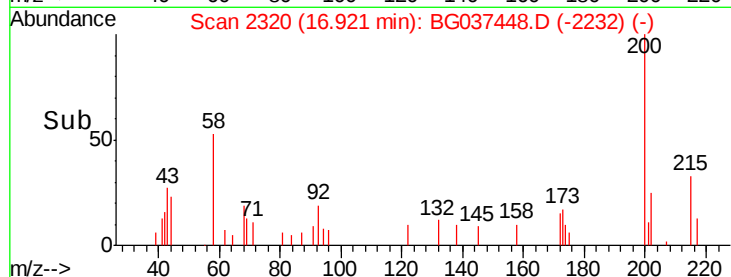
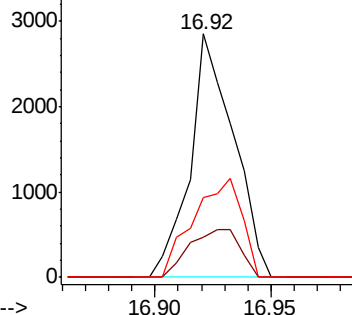
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	3740		
173	16.6	6.1	46.1	
215	32.6	30.8	70.8	

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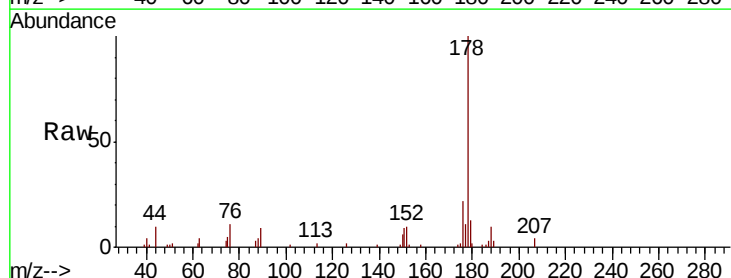


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

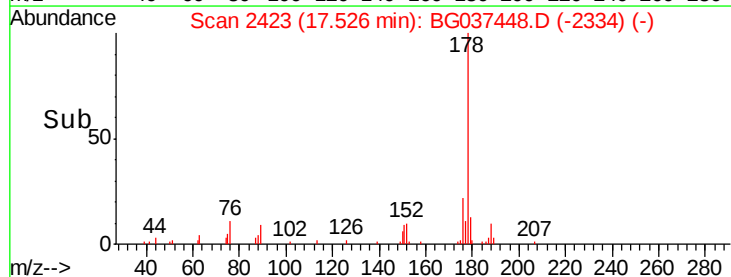
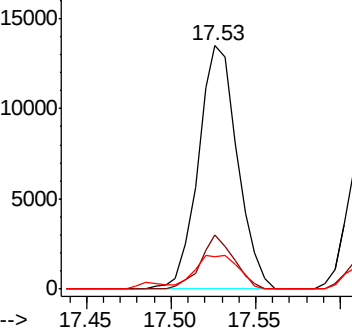


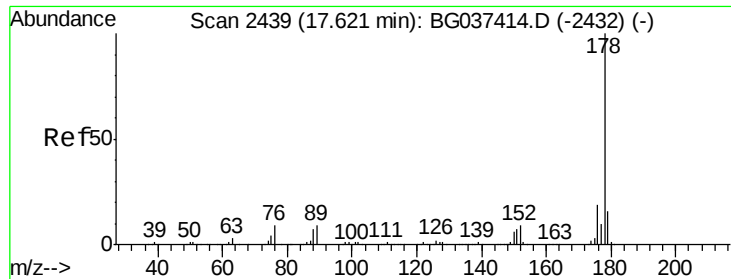
#71
Phenanthrene
Concen: 1.106 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	21656		
176	22.2	16.1	24.1	
179	13.2	13.0	19.4	



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





#72

Anthracene

Concen: 1.065 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

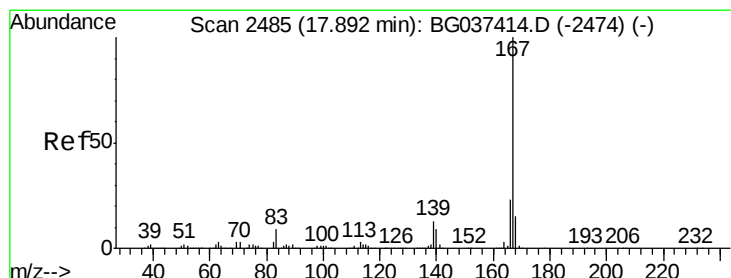
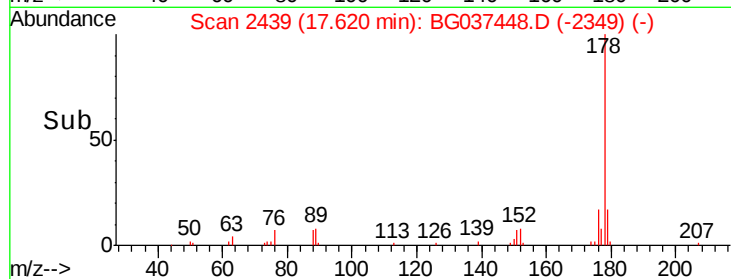
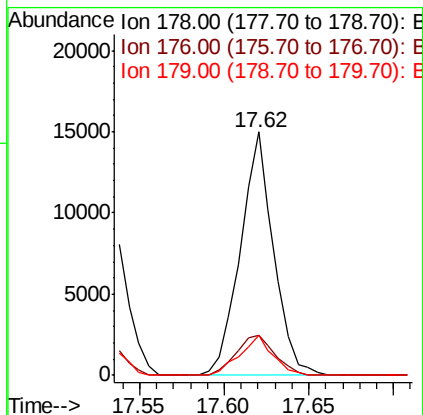
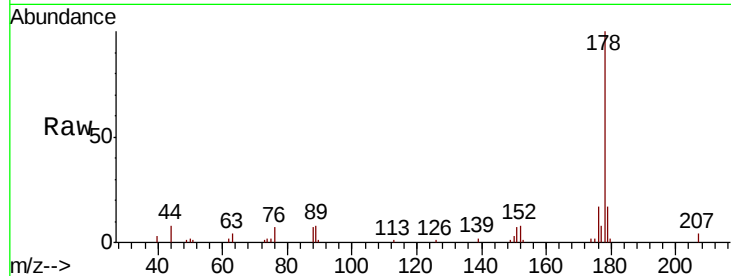
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	178	Resp:	20460
Ion Ratio	Lower	Upper	
178	100		
176	16.6	15.0	22.4
179	16.7	12.8	19.2

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#73

Carbazole

Concen: 0.896 ng

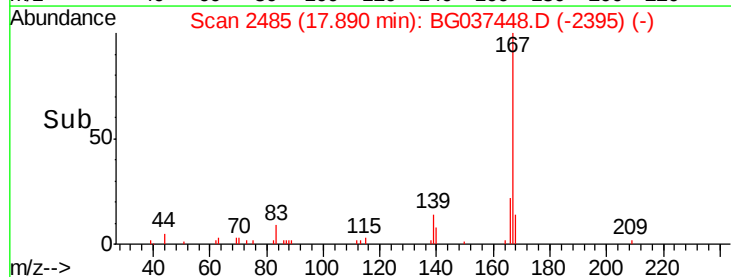
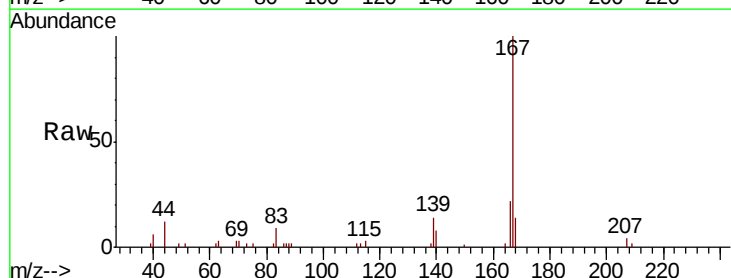
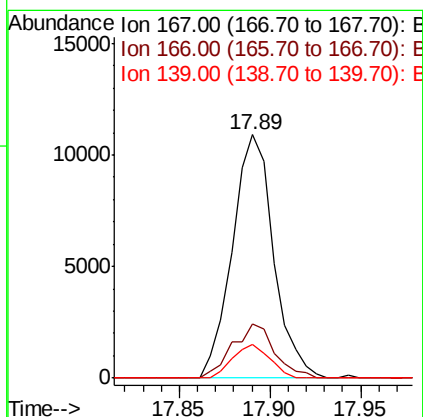
RT: 17.89 min Scan# 2485

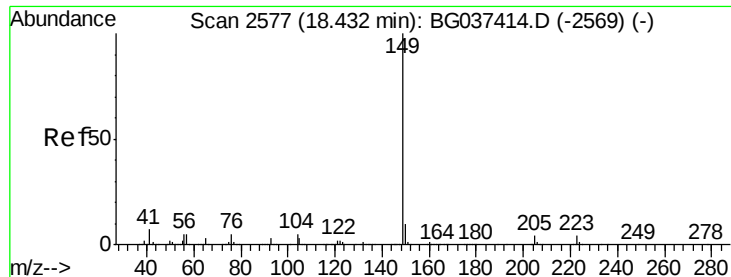
Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	167	Resp:	17214
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.3	27.5
139	13.9	10.5	15.7





#74

Di-n-butylphthalate

Concen: 0.888 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

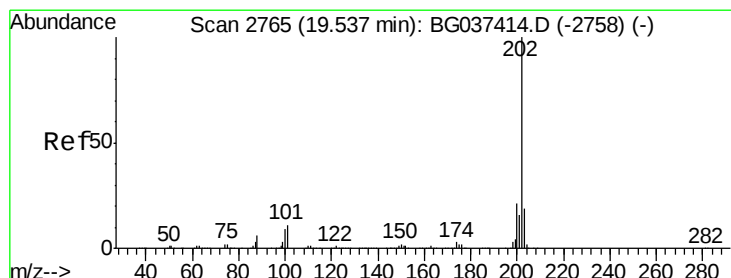
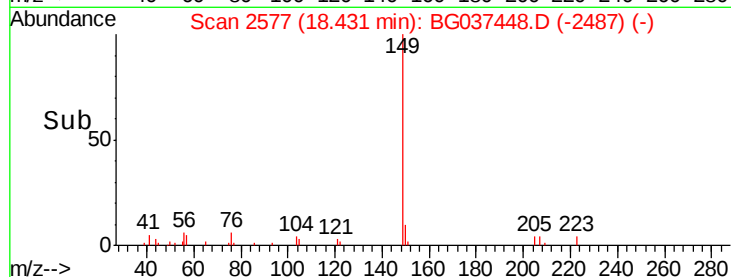
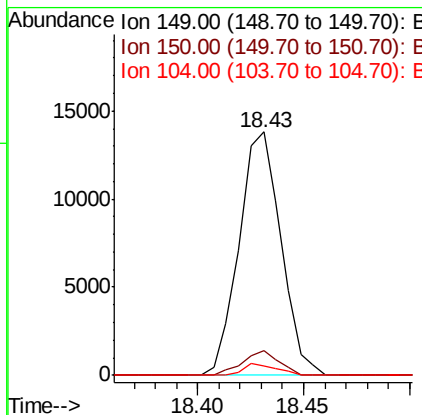
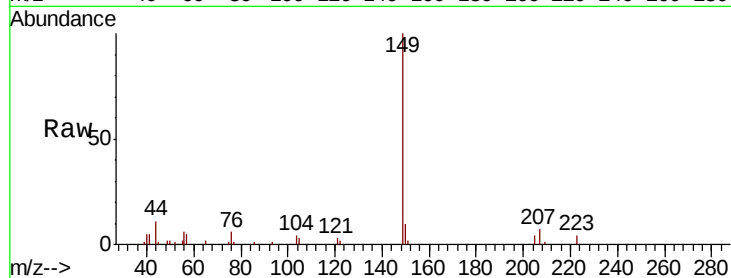
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	18981		
150	10.3	8.2	12.2	
104	3.7	4.0	6.0	

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#75

Fluoranthene

Concen: 0.964 ng

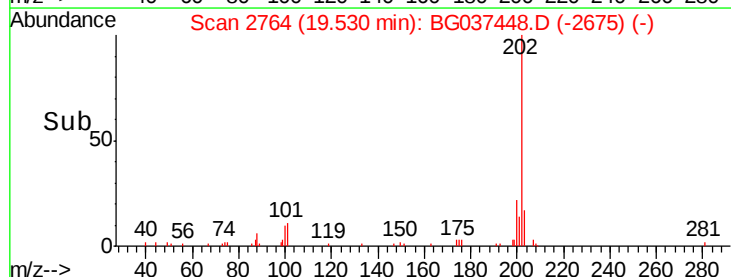
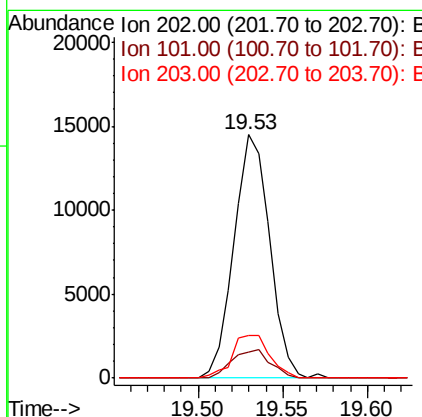
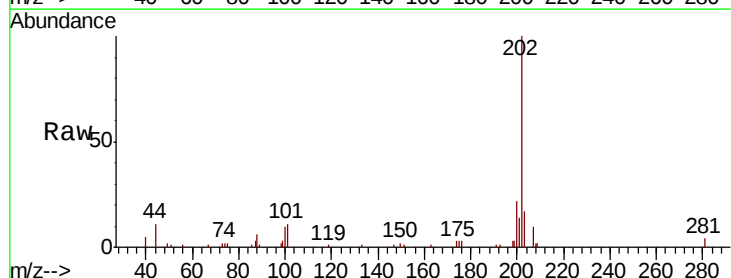
RT: 19.53 min Scan# 2764

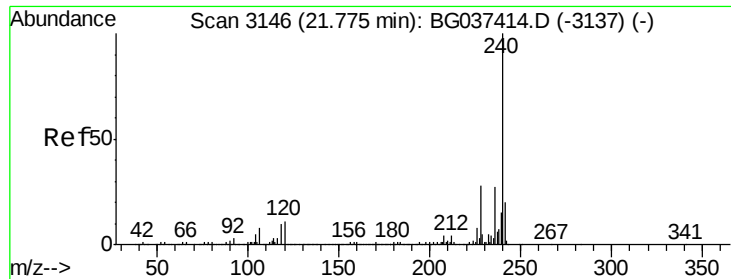
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	21404		
101	10.6	0.0	30.7	
203	17.5	0.0	38.5	





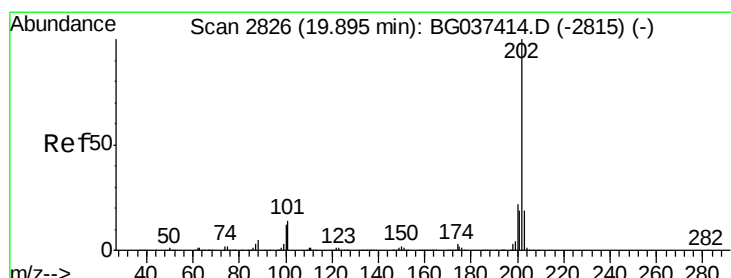
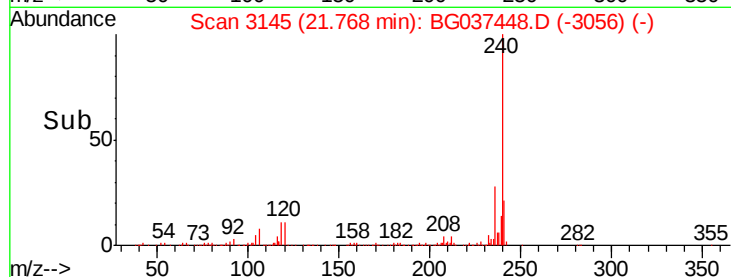
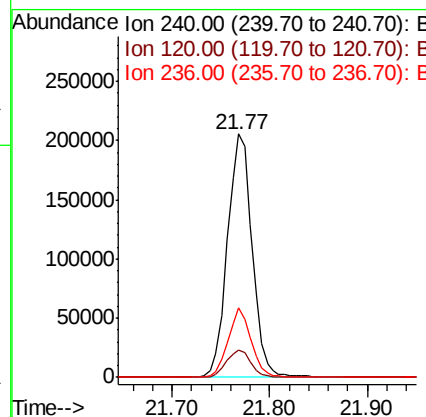
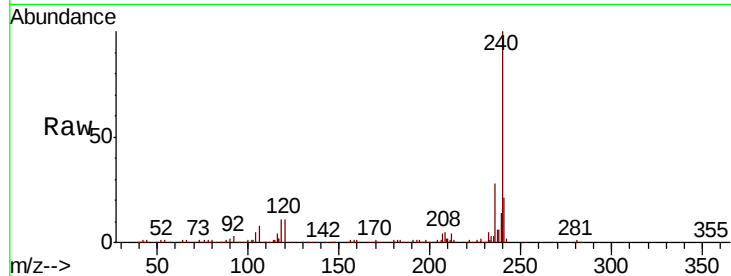
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	359834		
120	11.5	8.1	12.1	
236	28.5	21.4	32.0	

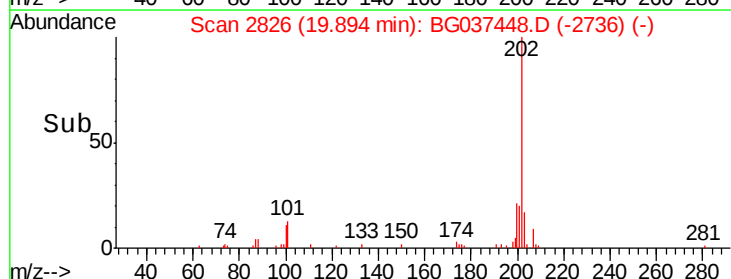
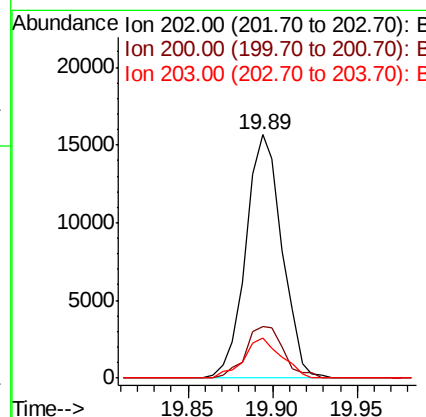
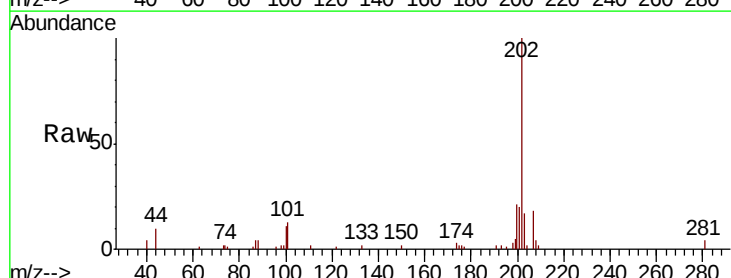
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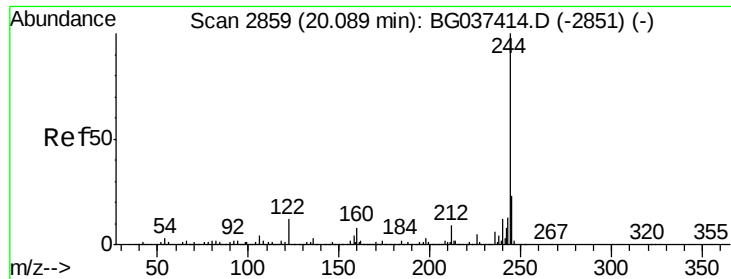
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#78
Pyrene
Concen: 0.996 ng
RT: 19.89 min Scan# 2826
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	23435		
200	21.1	17.8	26.6	
203	16.7	15.2	22.8	





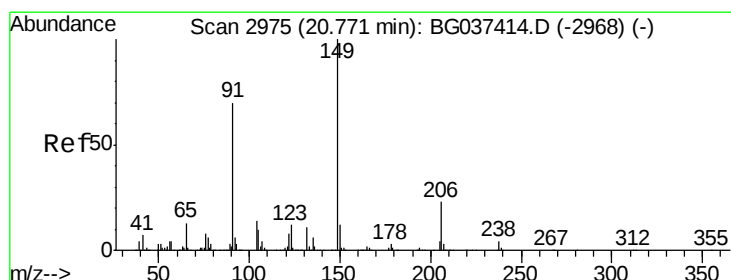
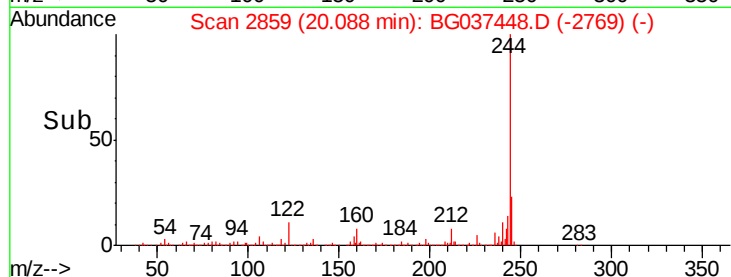
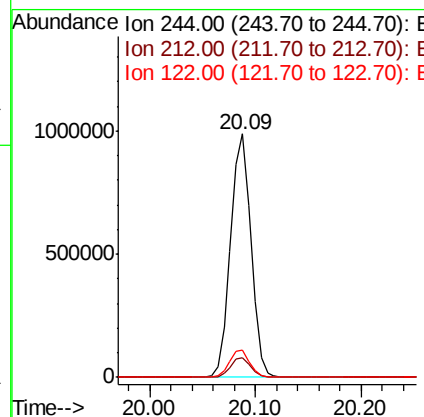
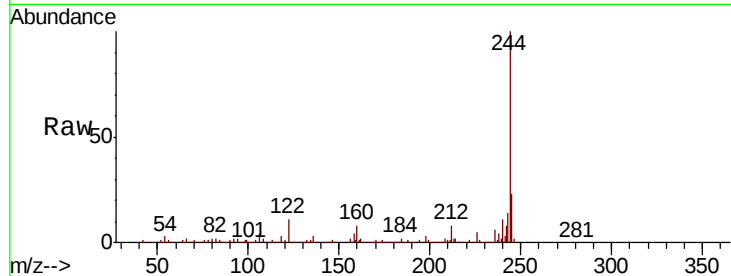
#79
 Terphenyl-d14
 Concen: 78.578 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	11.0	9.0	13.4

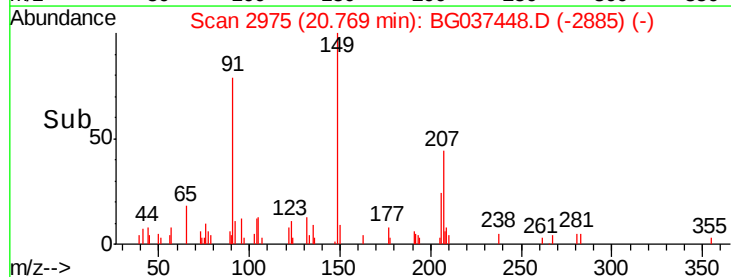
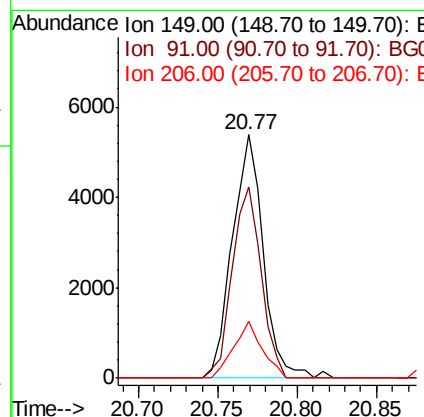
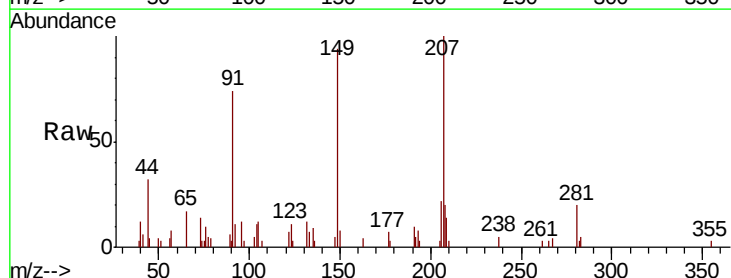
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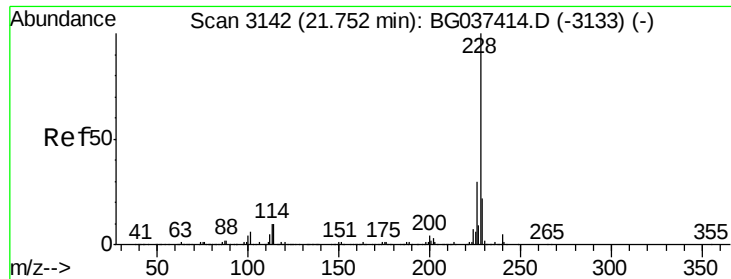
Sohil
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#80
 Butylbenzylphthalate
 Concen: 0.754 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.7	57.0	85.4
206	23.6	17.8	26.6





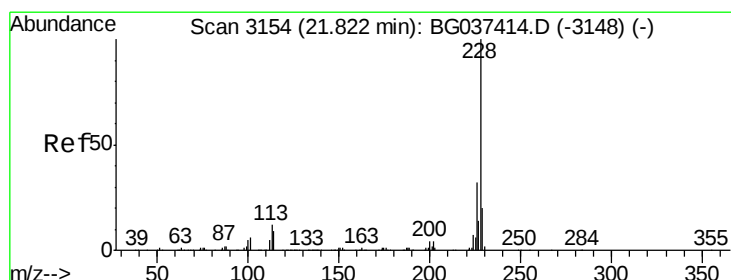
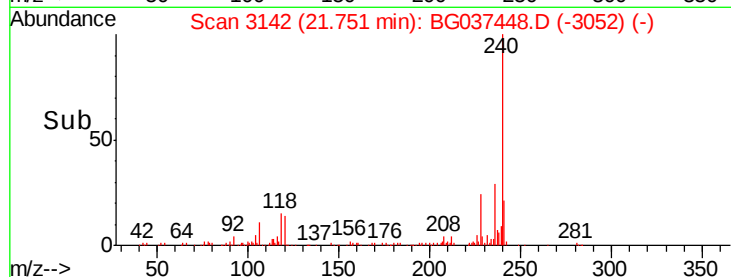
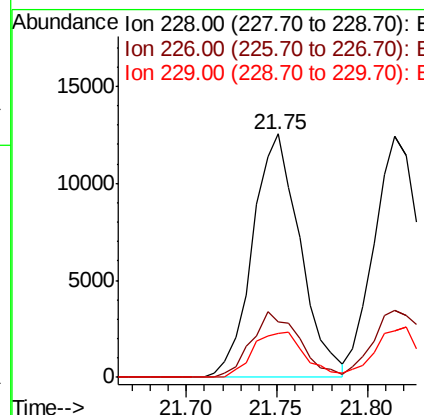
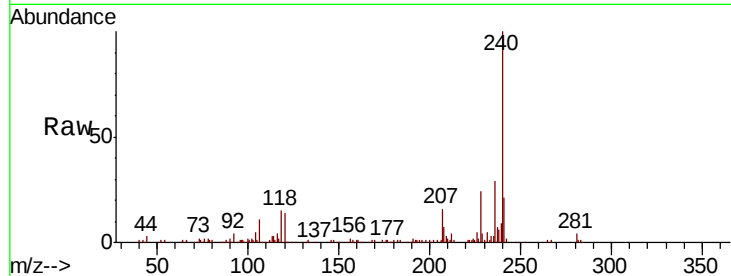
#81
Benzo(a)anthracene
Concen: 1.074 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.7	22.6	33.8
229	18.0	16.3	24.5

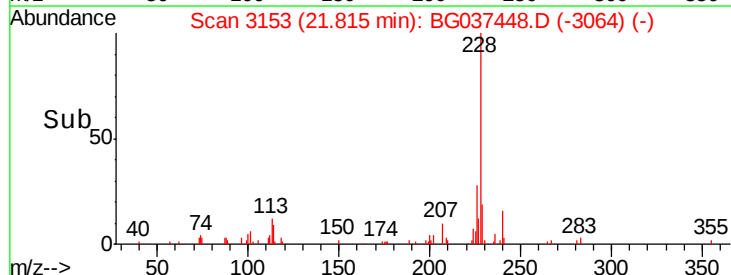
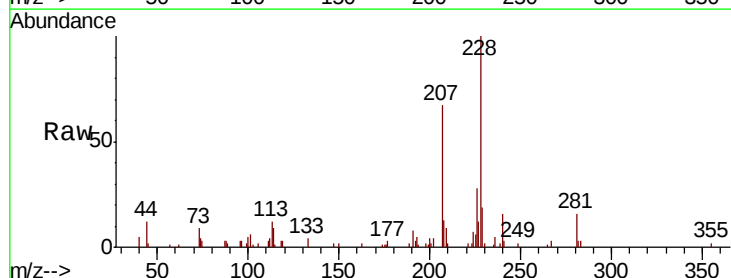
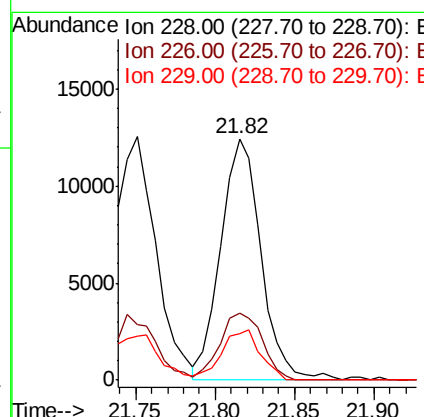
Manual Integrations
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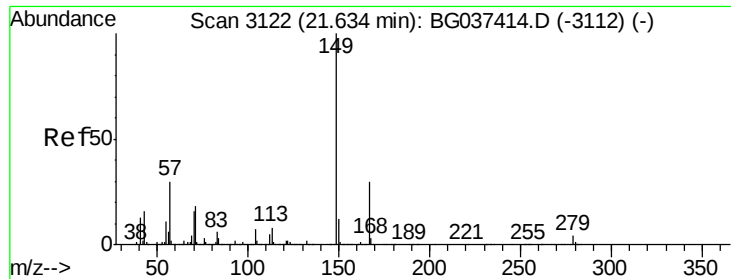
Sohil
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#83
Chrysene
Concen: 1.073 ng
RT: 21.82 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.7	38.5
229	19.5	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.772 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

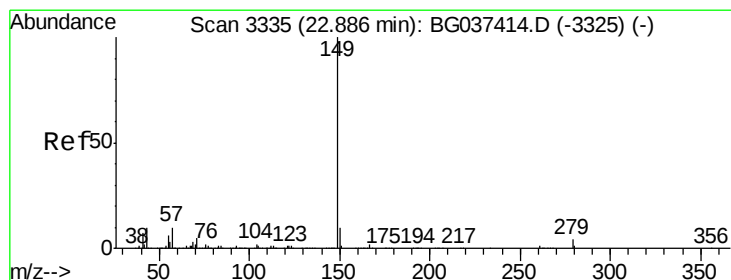
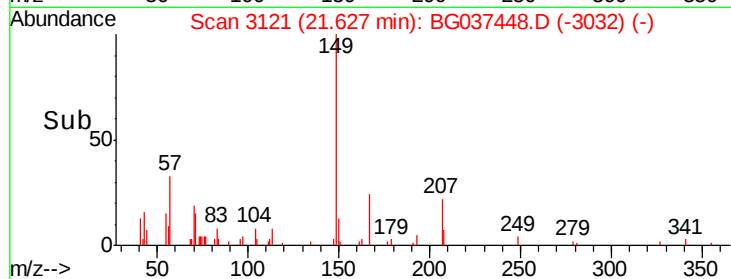
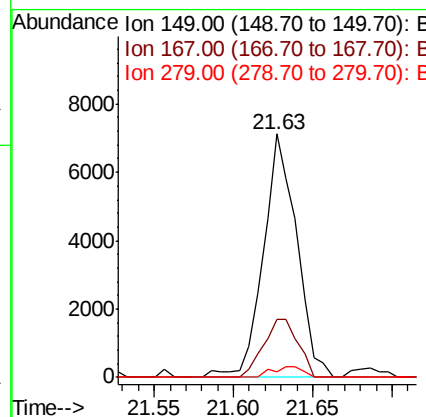
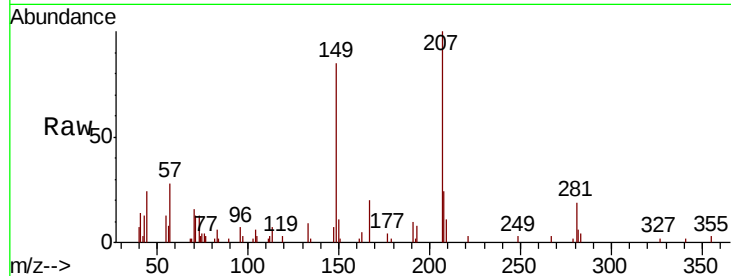
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	149	Resp:	10416
Ion Ratio	Lower	Upper	
149	100		
167	23.8	23.0	34.4
279	2.3	3.6	5.4#

Manual Integrations
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#85

Di-n-octyl phthalate

Concen: 0.686 ng

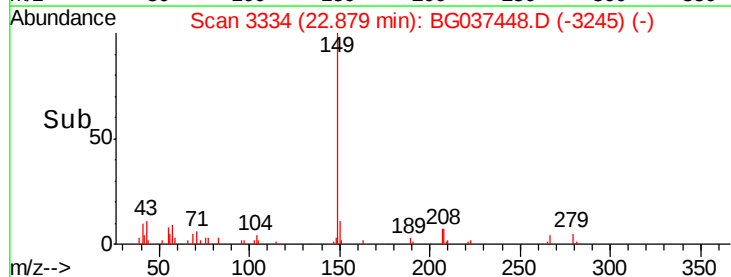
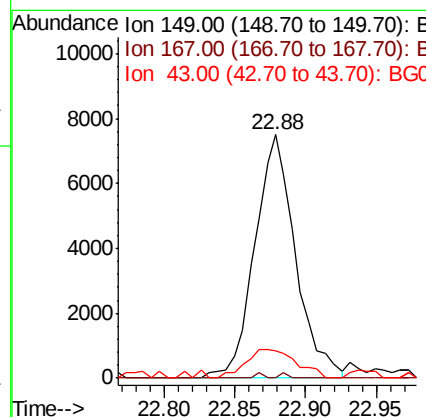
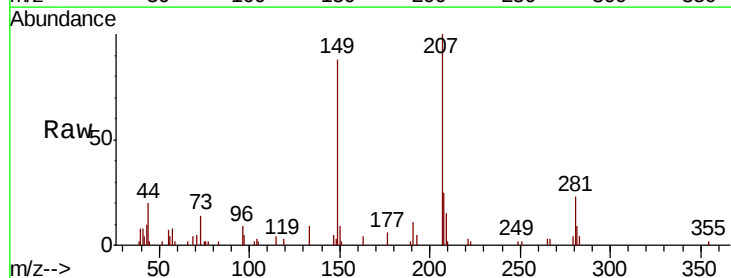
RT: 22.88 min Scan# 3334

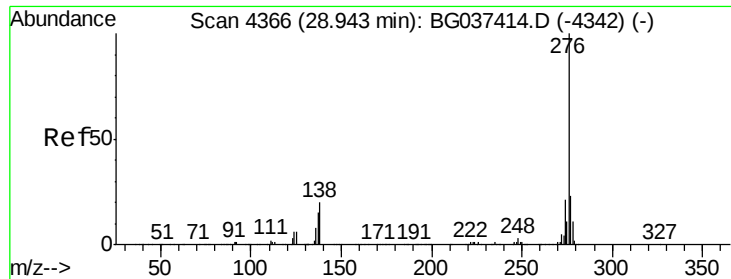
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	149	Resp:	15105
Ion Ratio	Lower	Upper	
149	100		
167	0.4	1.3	1.9#
43	0.0	8.7	13.1#





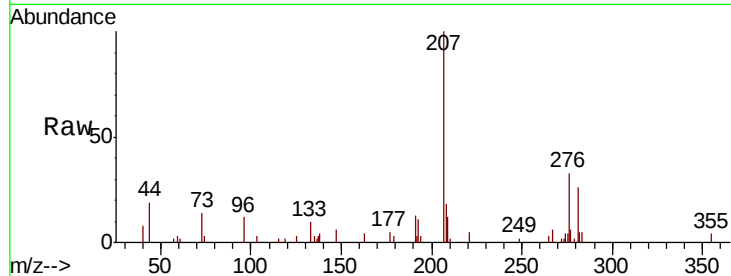
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.520 ng
 RT: 28.92 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.3	12.0	18.0#
277	12.8	20.6	30.8#

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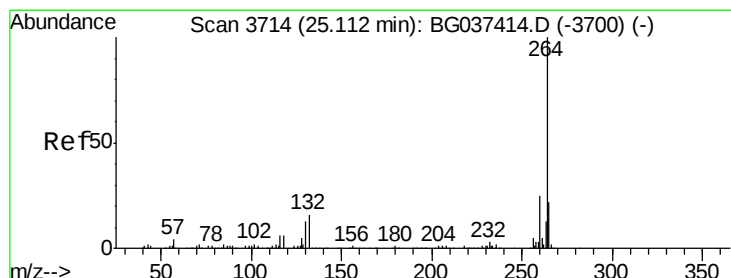
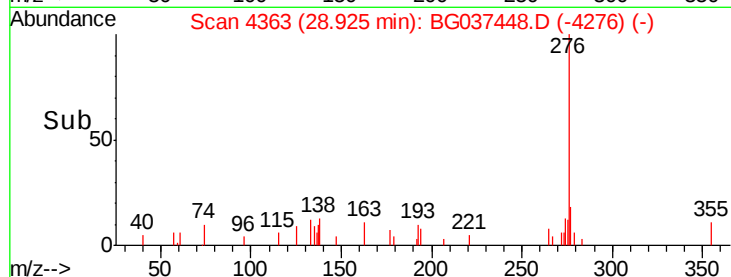
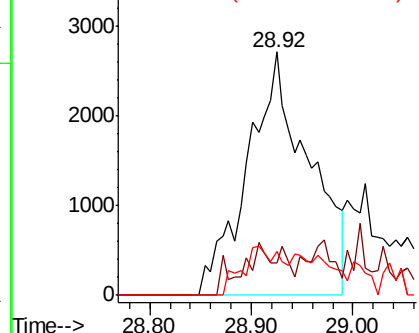


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

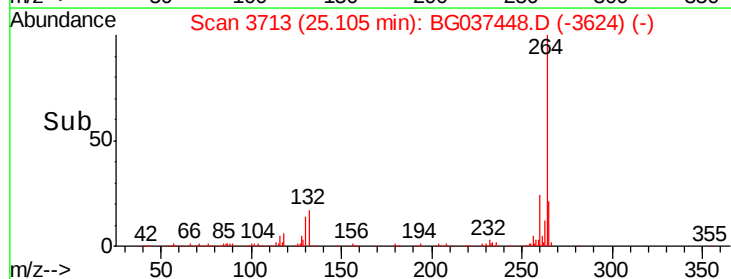
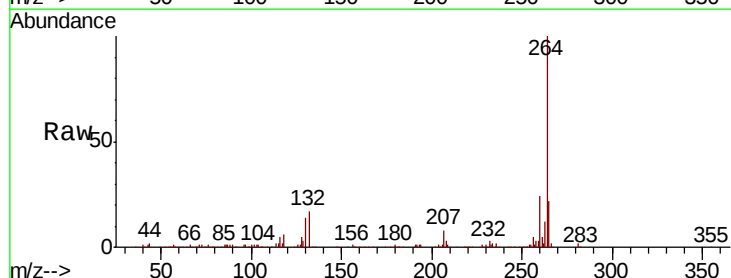
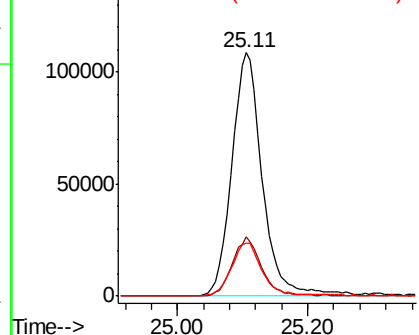
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.7	17.9	26.9

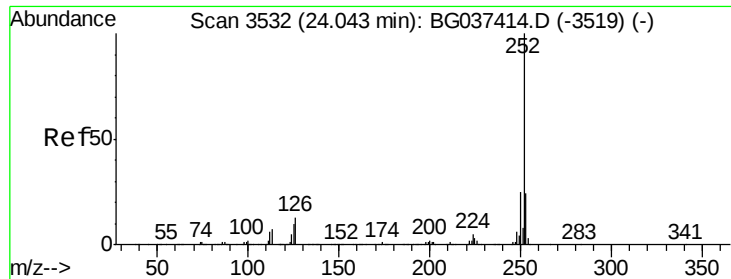
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





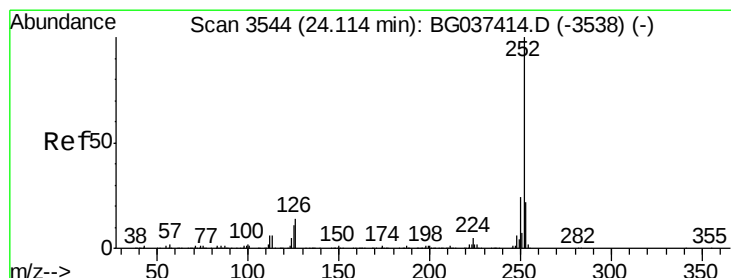
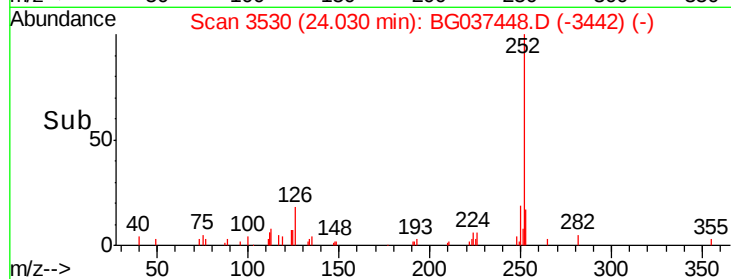
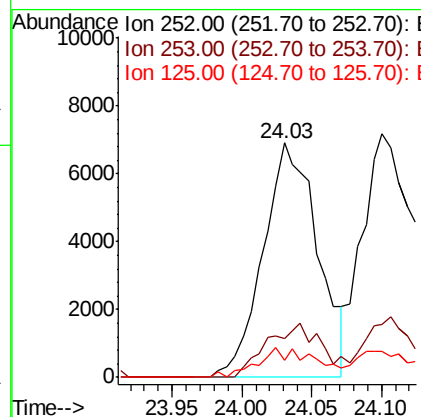
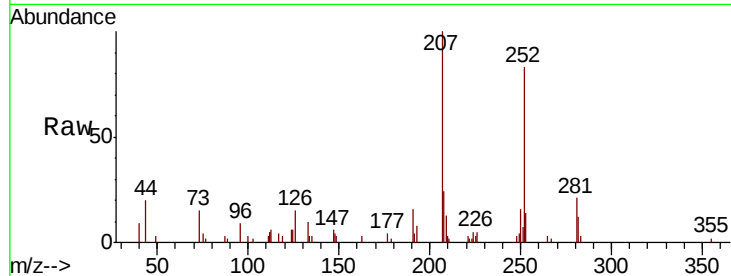
#88
Benzo(b)fluoranthene
Concen: 0.976 ng m
RT: 24.03 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	18758		
253	16.8	18.2	27.2#	
125	7.0	7.8	11.6#	

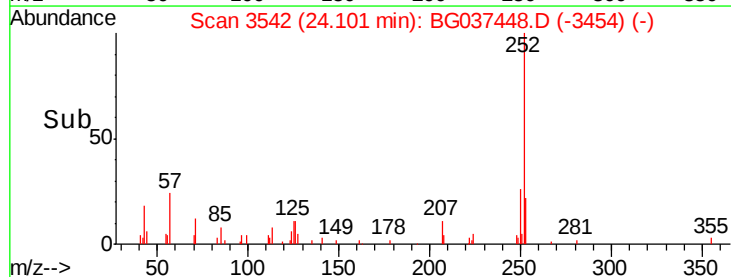
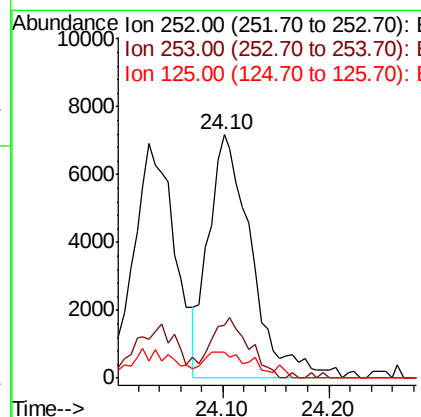
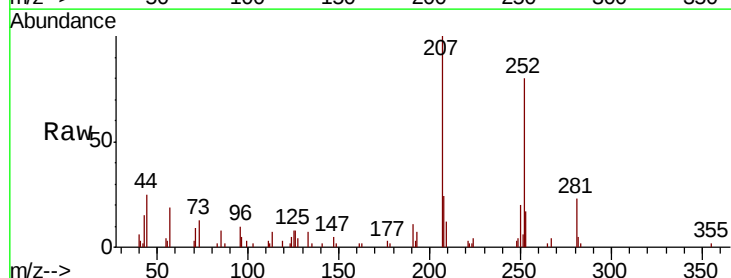
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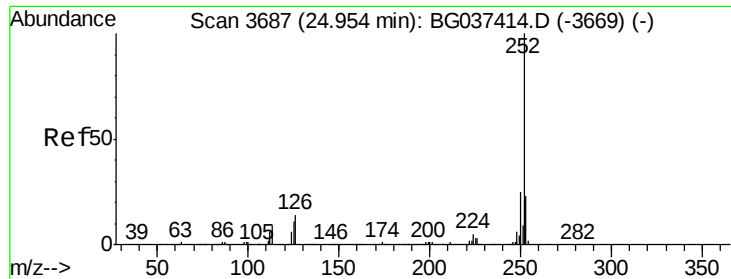
Sohil
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#89
Benzo(k)fluoranthene
Concen: 1.080 ng
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	20329		
253	21.9	17.4	26.2	
125	10.7	7.4	11.0	





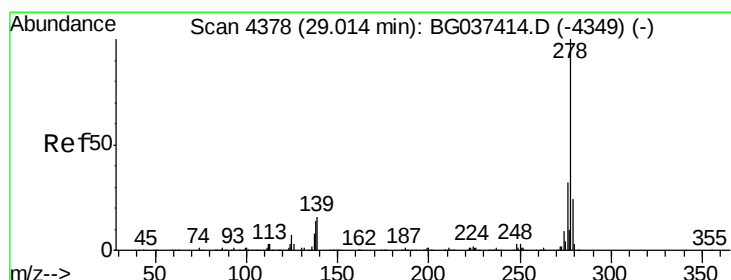
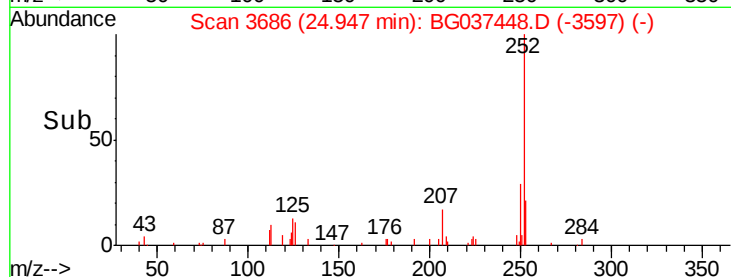
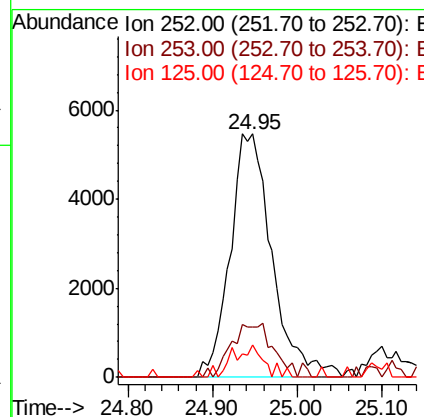
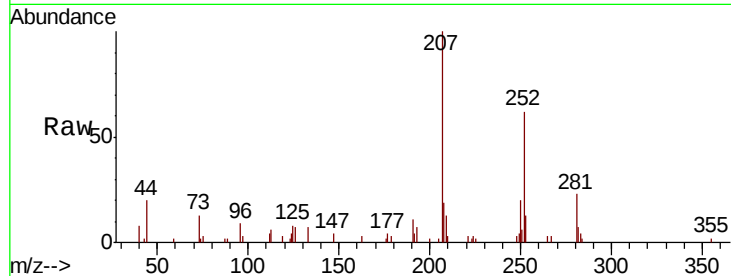
#90
Benzo(a)pyrene
Concen: 1.023 ng
RT: 24.95 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	18690		
253	20.9	17.4	26.2	
125	13.2	9.0	13.6	

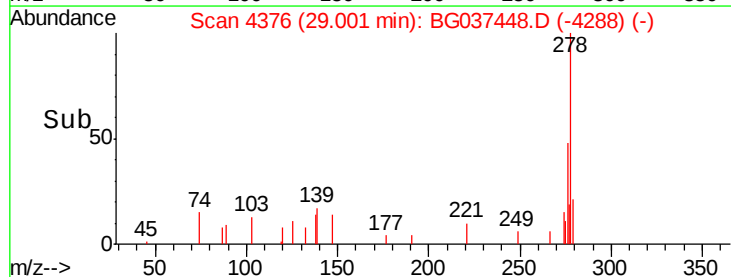
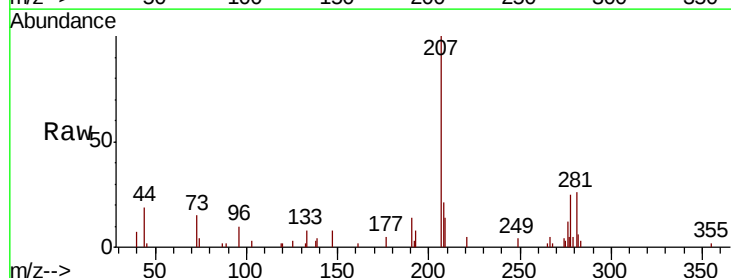
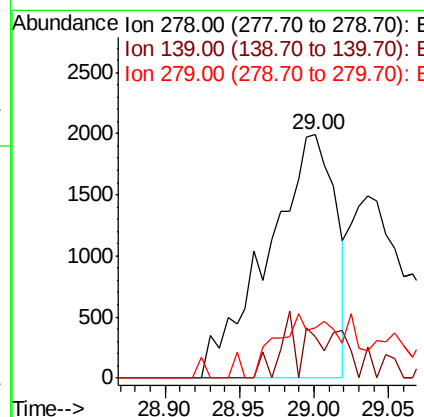
Manual Integrations
APPROVED

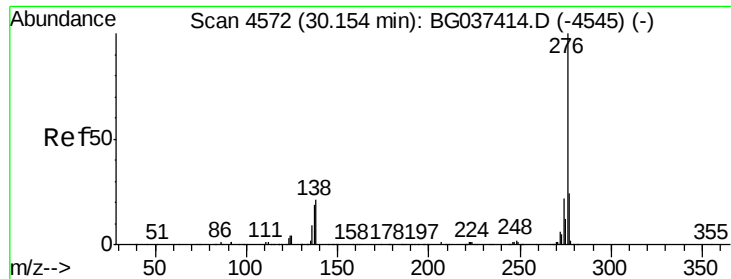
Sohil
10/22/2018 3:38:03 PM



#91
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 29.00 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	6288		
139	16.9	11.5	17.3	
279	20.9	18.6	27.8	





#92
 Benzo(g,h,i)perylene
 Concen: 0.759 ng m
 RT: 30.13 min Scan# 4569
 Delta R.T. -0.02 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	276	Resp:	12931
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.9	28.3
138	18.4	17.2	25.8

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:38:03 PM

