

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037454.D
 Acq On : 19 Oct 2018 15:18
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
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 10/22/2018 3:39:13 PM

Quant Time: Oct 20 01:22:59 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	51191	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	241057	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	161971	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	391568	20.00	ng	0.00
76) Chrysene-d12	21.77	240	360291	20.00	ng	0.00
87) Perylene-d12	25.10	264	347520	20.00	ng	-0.01

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System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	416716	136.10	ng	0.00
7) Phenol-d6	7.24	99	615839	133.01	ng	0.00
23) Nitrobenzene-d5	9.28	82	354690	82.43	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	234350	132.66	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	871306	81.12	ng	0.00
79) Terphenyl-d14	20.09	244	1303284	77.29	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	2705	1.742	ng	# 61
3) Pyridine	3.95	79	7940	2.029	ng	# 74
4) n-Nitrosodimethylamine	3.87	42	3656	2.623	ng	# 57
6) Aniline	7.43	93	6999	1.239	ng	# 93
8) 2-Chlorophenol	7.66	128	7335	2.048	ng	95
9) Benzaldehyde	7.26	77	5738	1.981	ng	89
10) Phenol	7.27	94	10281	2.105	ng	93
11) bis(2-Chloroethyl)ether	7.53	93	7956	2.144	ng	84
12) 1,3-Dichlorobenzene	7.99	146	8136	2.040	ng	94
13) 1,4-Dichlorobenzene	8.14	146	7883m	1.933	ng	
14) 1,2-Dichlorobenzene	8.46	146	7898	2.013	ng	95
15) Benzyl Alcohol	8.34	79	6145	1.796	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.63	45	13272	1.999	ng	93
17) 2-Methylphenol	8.54	107	6440	1.994	ng	95
18) Hexachloroethane	9.20	117	2637	1.896	ng	# 81
19) n-Nitroso-di-n-propylamine	8.91	70	6186	1.940	ng	# 94
20) 3+4-Methylphenols	8.86	107	8302	1.798	ng	91
22) Acetophenone	8.94	105	11591	1.917	ng	# 91
24) Nitrobenzene	9.32	77	9305	2.082	ng	92
25) Isophorone	9.84	82	15701	1.997	ng	# 97
26) 2-Nitrophenol	10.04	139	3218	1.598	ng	# 86
27) 2,4-Dimethylphenol	10.07	122	7062	1.964	ng	# 81
28) bis(2-Chloroethoxy)methane	10.32	93	10391	2.017	ng	95
29) 2,4-Dichlorophenol	10.56	162	6973	1.742	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	8604	1.976	ng	85
31) Naphthalene	10.98	128	26717	2.256	ng	99
33) 4-Chloroaniline	11.09	127	6658	1.197	ng	# 91
34) Hexachlorobutadiene	11.25	225	4476	1.735	ng	98
35) Caprolactam	11.85	113	1737m	1.082	ng	
36) 4-Chloro-3-methylphenol	12.19	107	7922	1.755	ng	94
37) 2-Methylnaphthalene	12.57	142	19465	2.255	ng	97
38) 1-Methylnaphthalene	12.79	142	18015	2.149	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	10257	1.963	ng	99
41) Hexachlorocyclopentadiene	12.90	237	4520	1.811	ng	89

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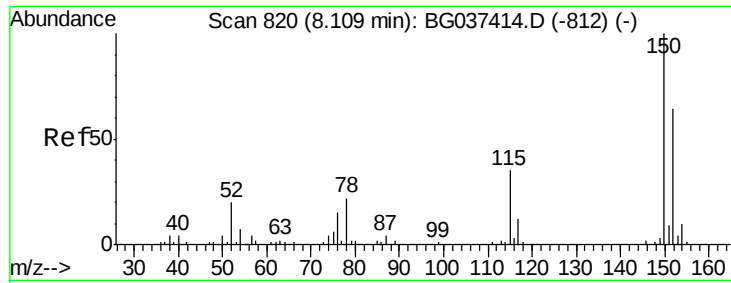
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.17	196	5616	1.609	ng	93
44) 2,4,5-Trichlorophenol	13.24	196	6224	1.638	ng	# 82
46) 1,1'-Biphenyl	13.57	154	26653	1.987	ng	97
47) 2-Chloronaphthalene	13.62	162	20631	2.033	ng	98
48) 2-Nitroaniline	13.83	65	4600	1.495	ng	92
49) Acenaphthylene	14.47	152	32668	2.140	ng	95
50) Dimethylphthalate	14.18	163	26261	2.096	ng	# 97
51) 2,6-Dinitrotoluene	14.31	165	4369	1.576	ng	92
52) Acenaphthene	14.80	154	19803	2.106	ng	98
53) 3-Nitroaniline	14.65	138	3986	1.295	ng	# 79
55) Dibenzofuran	15.14	168	34423	2.210	ng	97
56) 4-Nitrophenol	14.94	139	1460	0.641	ng	90
57) 2,4-Dinitrotoluene	15.10	165	5837	1.604	ng	# 87
58) Fluorene	15.78	166	26661	2.286	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.35	232	4890	1.503	ng	# 96
60) Diethylphthalate	15.54	149	25468	1.980	ng	99
61) 4-Chlorophenyl-phenylether	15.78	204	12947	1.904	ng	99
62) 4-Nitroaniline	15.81	138	4739	1.550	ng	86
63) Azobenzene	16.06	77	25386	2.068	ng	96
66) n-Nitrosodiphenylamine	15.99	169	22740	1.931	ng	94
67) 4-Bromophenyl-phenylether	16.67	248	8518	1.981	ng	93
68) Hexachlorobenzene	16.77	284	8244	1.850	ng	# 85
69) Atrazine	16.93	200	7408	1.740	ng	89
70) Pentachlorophenol	17.12	266	1462	0.490	ng	# 79
71) Phenanthrene	17.53	178	45797	2.301	ng	99
72) Anthracene	17.62	178	43647m	2.235	ng	
73) Carbazole	17.89	167	34779	1.780	ng	# 96
74) Di-n-butylphthalate	18.43	149	39304	1.809	ng	# 99
75) Fluoranthene	19.53	202	48300	2.140	ng	98
77) Benzidine	19.72	184	4123	0.337	ng	# 93
78) Pyrene	19.89	202	47785	2.029	ng	96
80) Butylbenzylphthalate	20.77	149	15976	1.657	ng	# 90
81) Benzo(a)anthracene	21.75	228	45134	2.118	ng	97
82) 3,3'-Dichlorobenzidine	21.66	252	8510	1.030	ng	90
83) Chrysene	21.82	228	44018	2.148	ng	97
84) Bis(2-ethylhexyl)phthalate	21.63	149	20116	1.489	ng	# 97
85) Di-n-octyl phthalate	22.88	149	31204	1.416	ng	# 96
86) Indeno(1,2,3-cd)pyrene	28.93	276	31364m	1.427	ng	
88) Benzo(b)fluoranthene	24.03	252	37752	1.981	ng	# 96
89) Benzo(k)fluoranthene	24.10	252	42233m	2.263	ng	
90) Benzo(a)pyrene	24.94	252	35712	1.973	ng	97
91) Dibenzo(a,h)anthracene	29.01	278	21971	1.316	ng	# 95
92) Benzo(g,h,i)perylene	30.12	276	28305	1.675	ng	98

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



#1

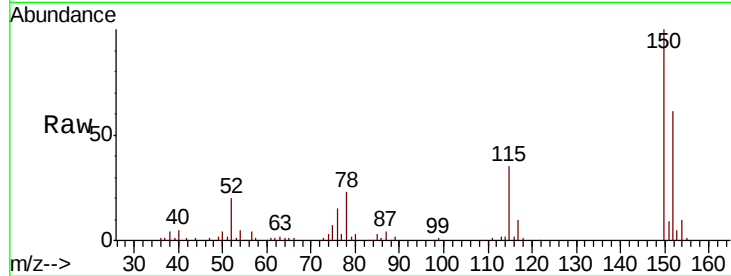
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
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MDL-MDL-SOIL-03-QT4-2018

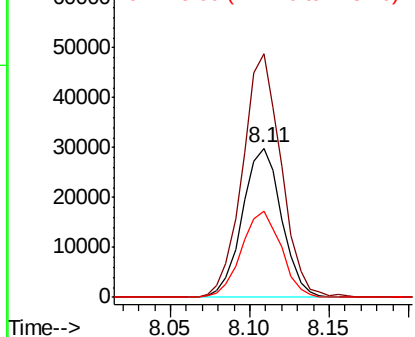
Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.2	126.0	189.0
115	57.6	45.5	68.3

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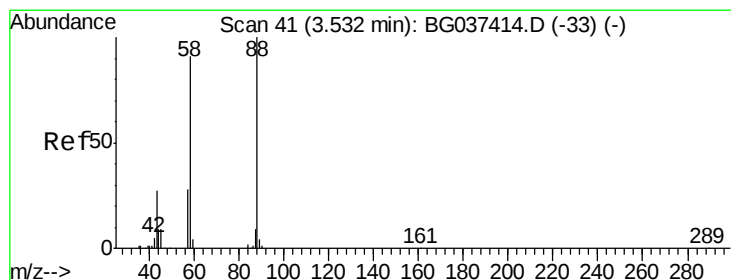
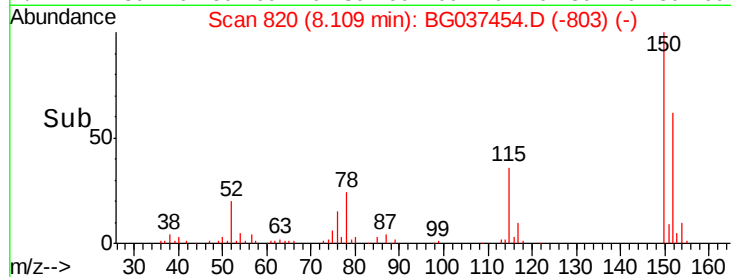


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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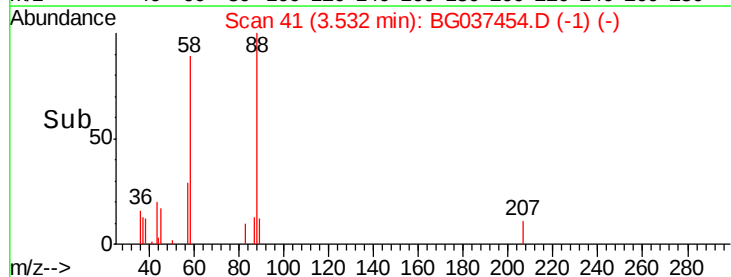
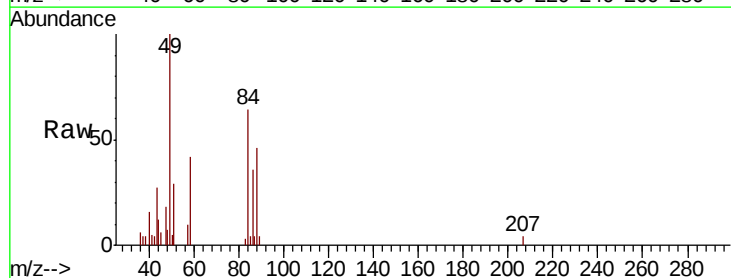
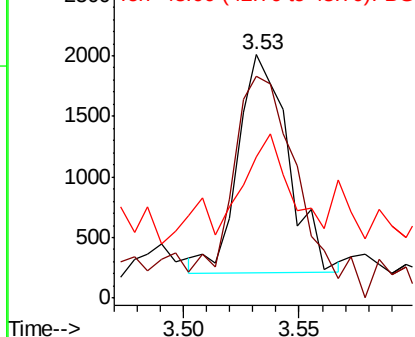


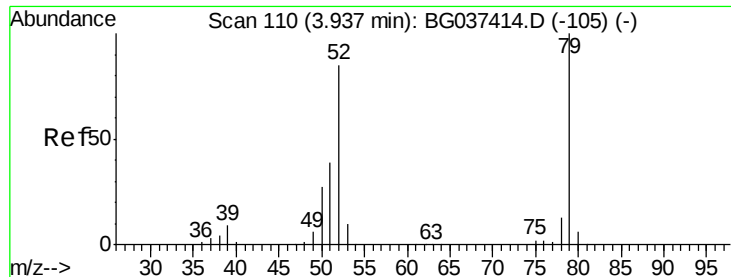
#2

1,4-Dioxane
Concen: 1.742 ng
RT: 3.53 min Scan# 41
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.3	74.4	111.6#
43	42.0	25.8	38.8#

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





#3

Pyridine

Concen: 2.029 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

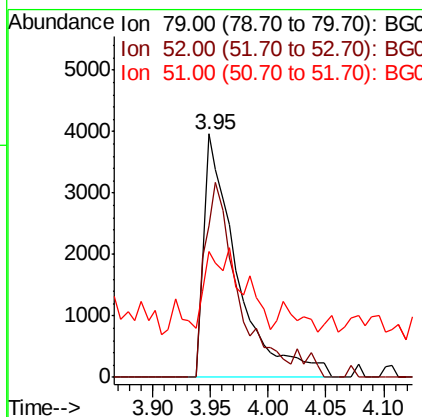
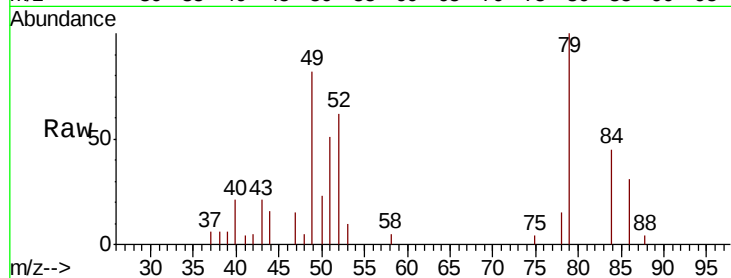
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	7940
Ion	Ratio	Lower	Upper
79	100		
52	62.0	74.2	111.2#
51	51.5	34.6	51.8

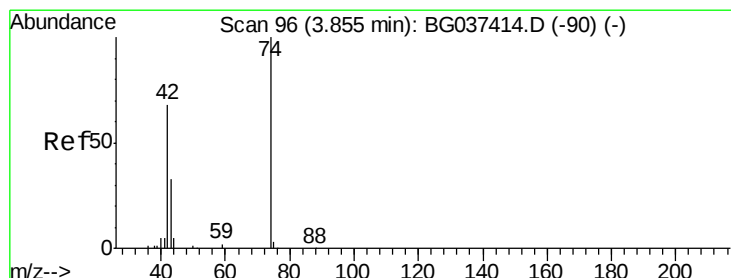
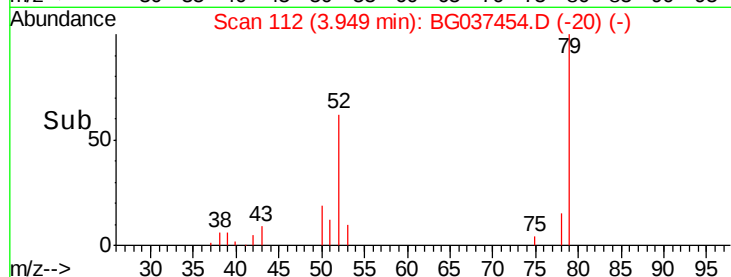
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#4

n-Nitrosodimethylamine

Concen: 2.623 ng

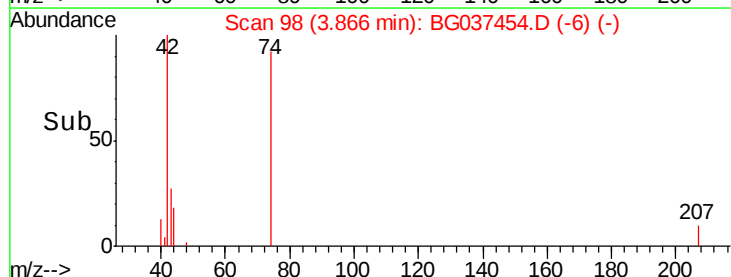
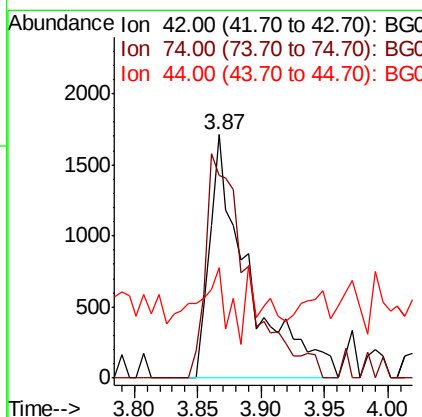
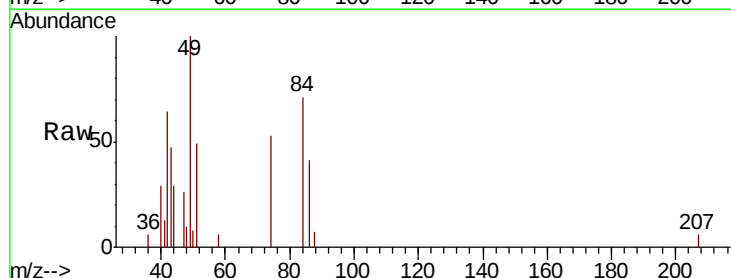
RT: 3.87 min Scan# 98

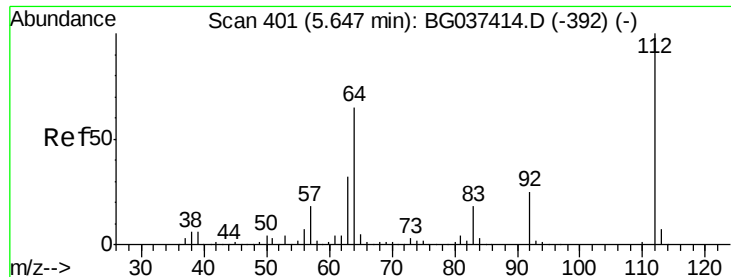
Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	42	Resp:	3656
Ion	Ratio	Lower	Upper
42	100		
74	83.0	102.0	153.0#
44	45.2	9.6	14.4#





#5

2-Fluorophenol

Concen: 136.096 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

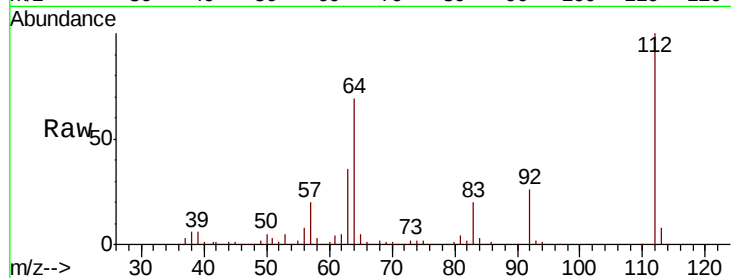
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

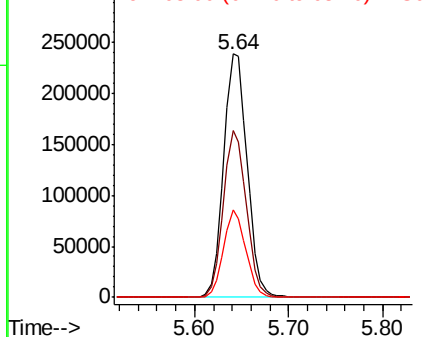
Tgt Ion:	112	Resp:	416716
Ion Ratio	Lower	Upper	
112	100		
64	68.6	53.1	79.7
63	35.8	27.3	40.9

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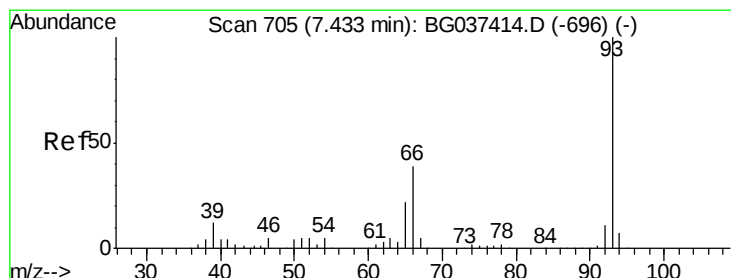
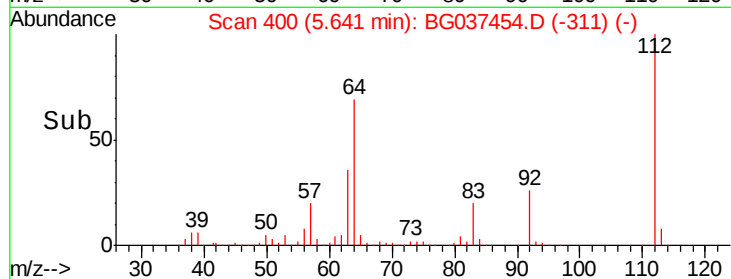


Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



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#6

Aniline

Concen: 1.239 ng

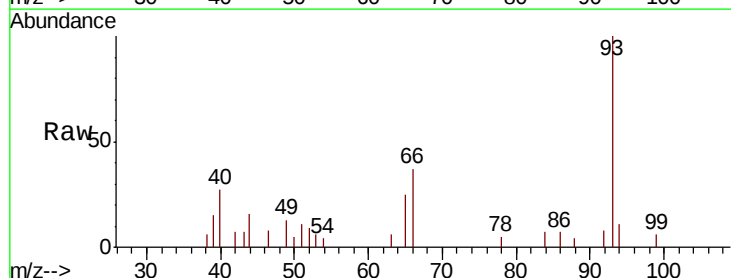
RT: 7.43 min Scan# 704

Delta R.T. -0.01 min

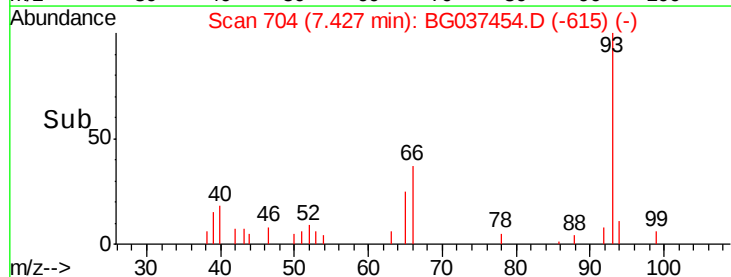
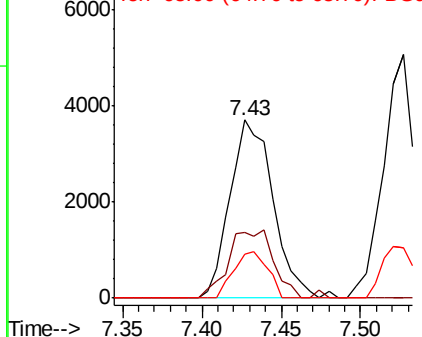
Lab File: BG037454.D

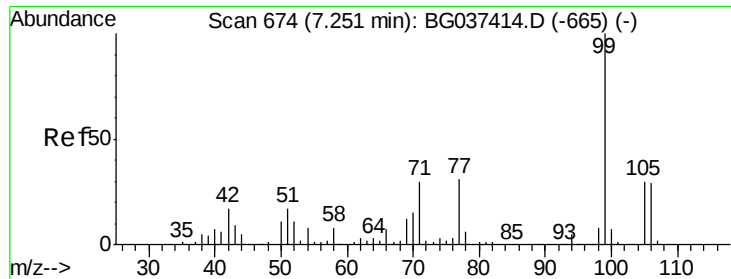
Acq: 19 Oct 2018 15:18

Tgt Ion:	93	Resp:	6999
Ion Ratio	Lower	Upper	
93	100		
66	37.1	32.8	49.2
65	24.9	16.4	24.6#



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: 133.010 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

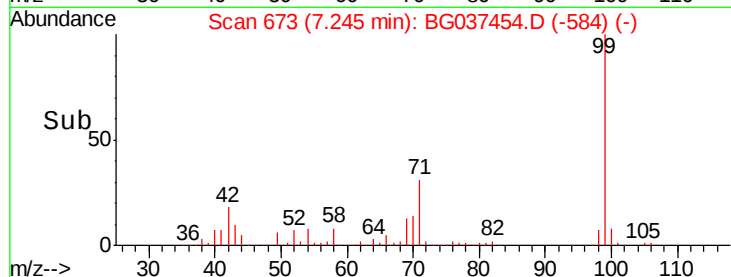
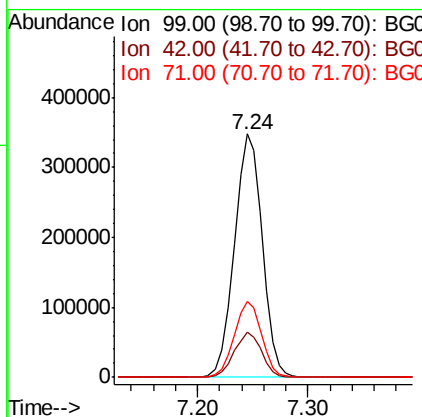
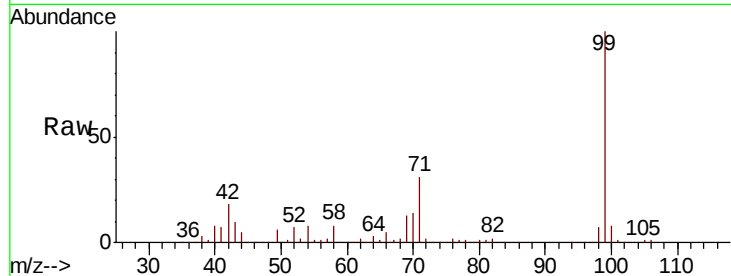
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Tgt Ion:	99	Resp:	615839
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.0	22.4
71	31.0	25.5	38.3

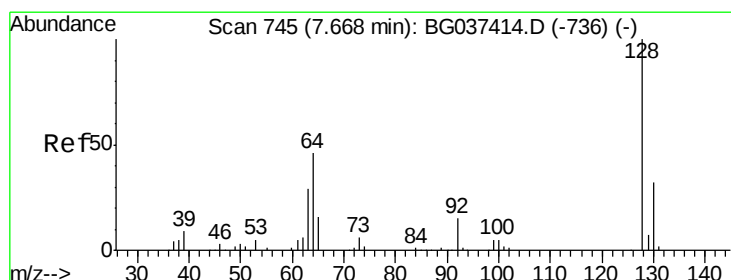
Manual Integrations
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#8

2-Chlorophenol

Concen: 2.048 ng

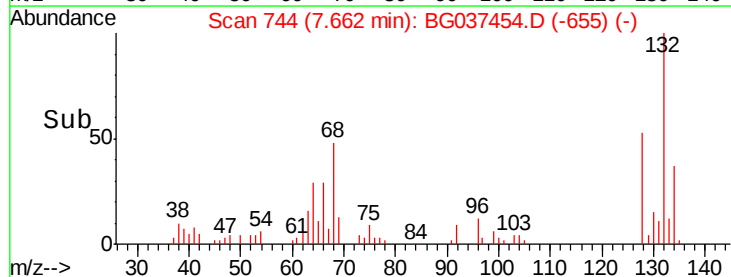
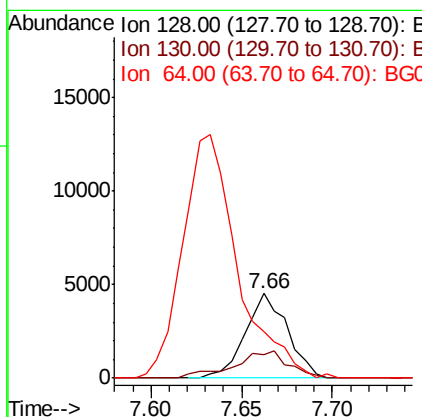
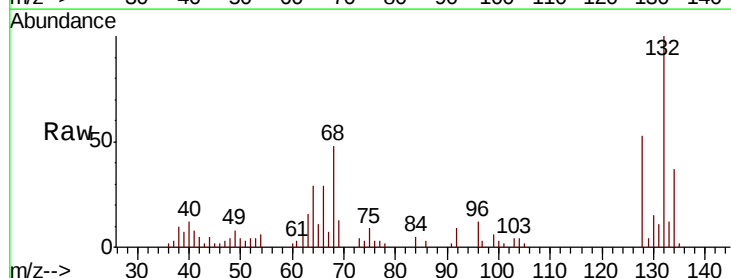
RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	128	Resp:	7335
Ion Ratio	Lower	Upper	
128	100		
130	27.5	12.0	52.0
64	55.6	32.9	72.9





#9

Benzaldehyde

Concen: 1.981 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

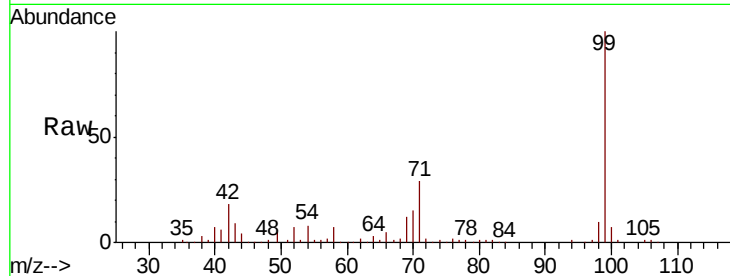
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

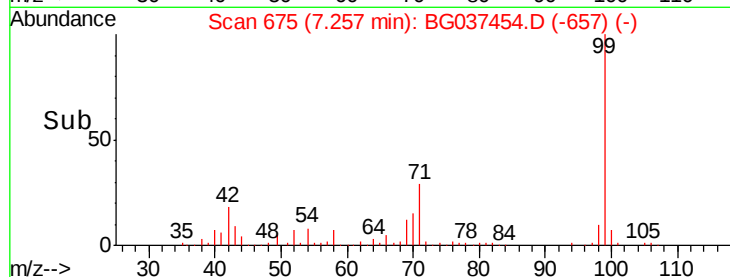
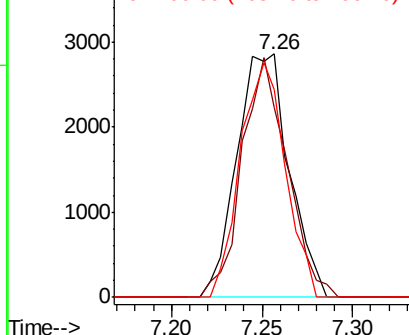
Tgt Ion:	77	Resp:	5738
Ion Ratio	Lower	Upper	
77	100		
105	78.0	72.6	112.6
106	85.4	71.3	111.3

Manual Integrations
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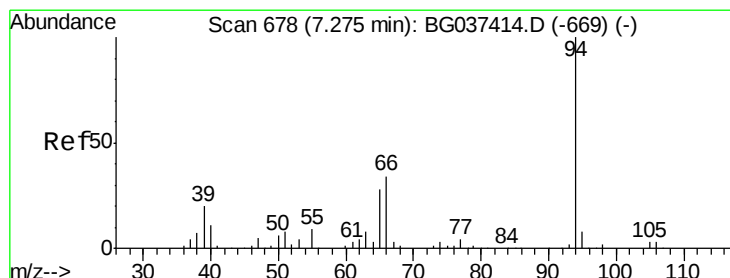


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



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#10

Phenol

Concen: 2.105 ng

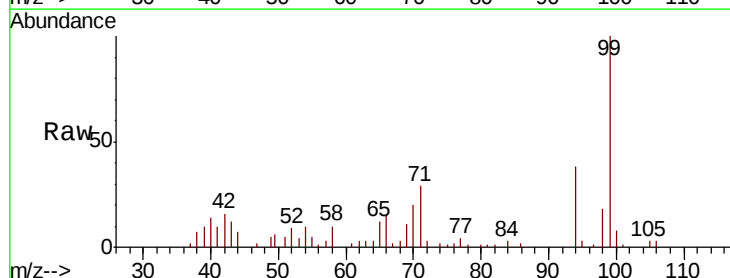
RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

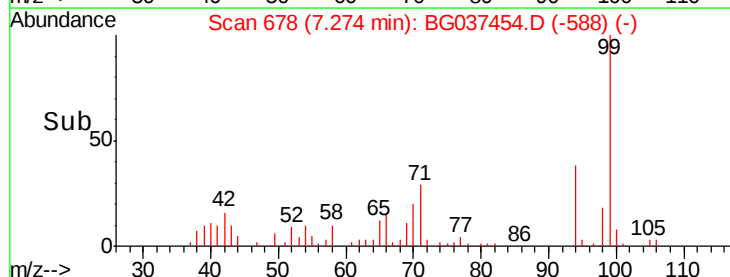
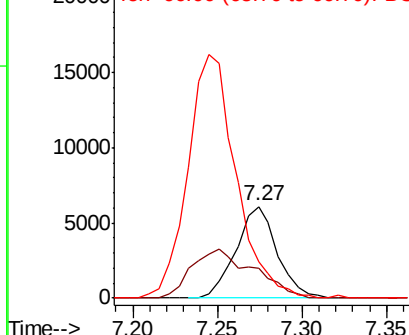
Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	94	Resp:	10281
Ion Ratio	Lower	Upper	
94	100		
65	33.0	9.7	49.7
66	40.2	15.9	55.9



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





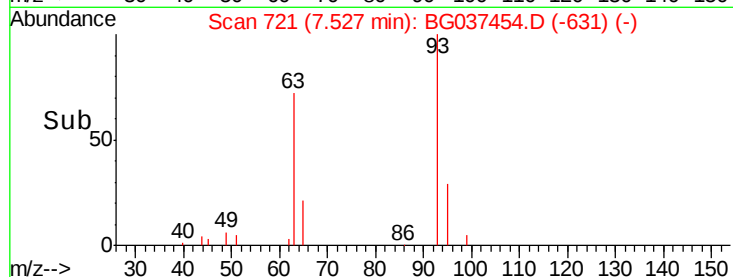
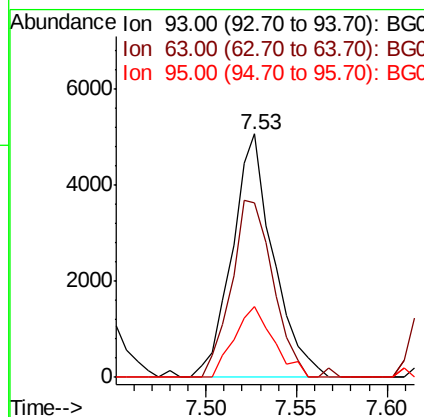
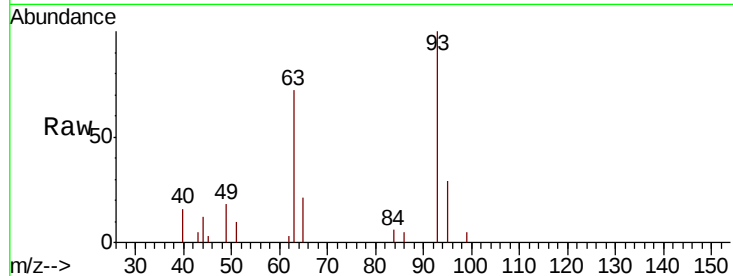
#11
bis(2-Chloroethyl)ether
Concen: 2.144 ng
RT: 7.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.5	69.5	109.5
95	29.1	12.6	52.6

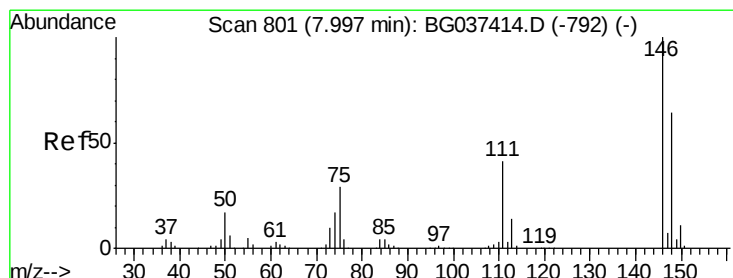
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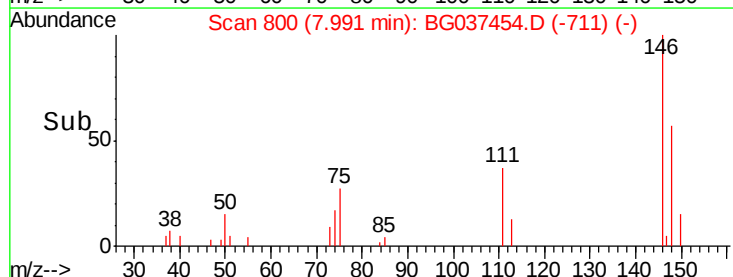
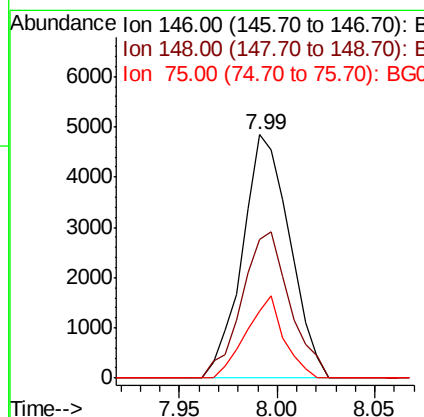
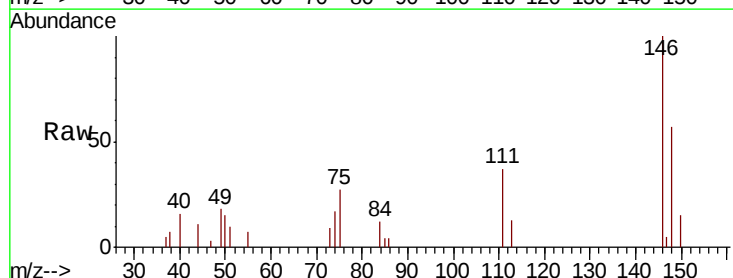
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#12
1,3-Dichlorobenzene
Concen: 2.040 ng
RT: 7.99 min Scan# 800
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	56.9	49.8	74.8
75	27.4	23.2	34.8





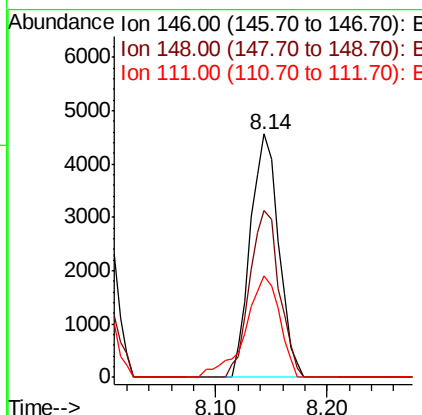
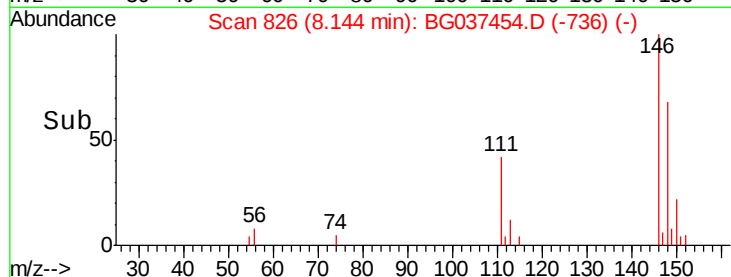
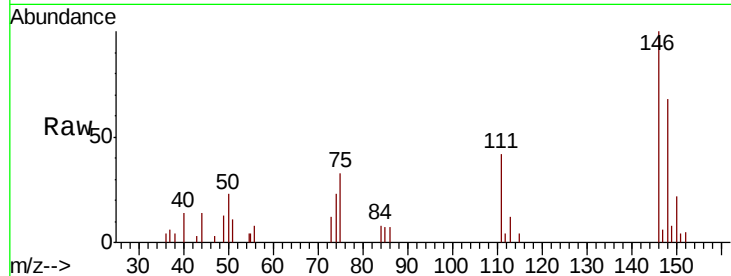
#13
 1,4-Dichlorobenzene
 Concen: 1.933 ng m
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.3	51.0	76.6
111	41.6	32.4	48.6

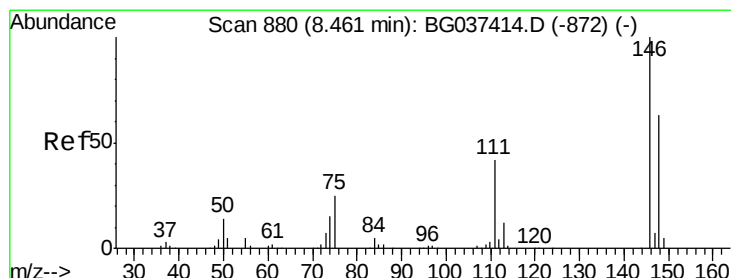
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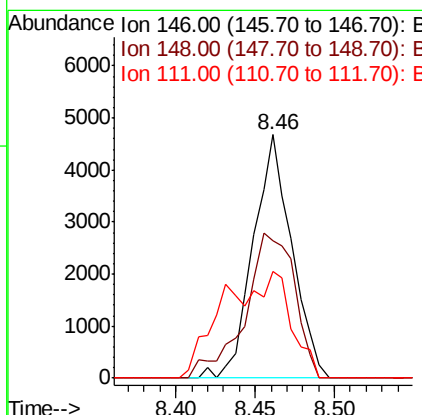
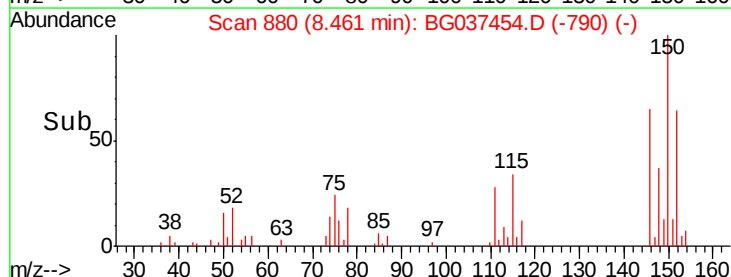
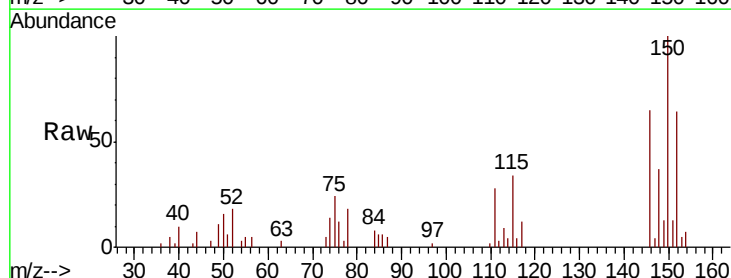
Sohil

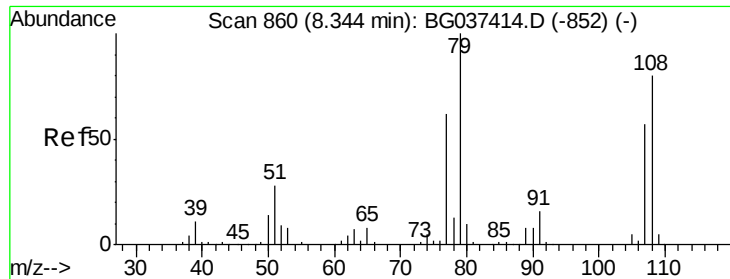
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#14
 1,2-Dichlorobenzene
 Concen: 2.013 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	56.6	50.4	75.6
111	43.7	34.6	51.8





#15

Benzyl Alcohol

Concen: 1.796 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

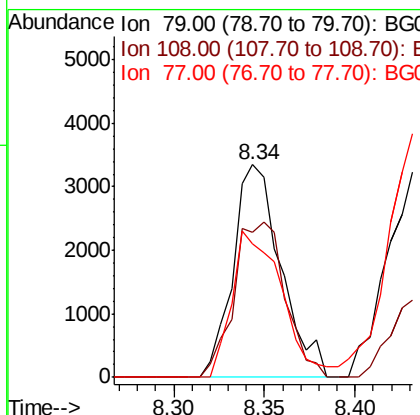
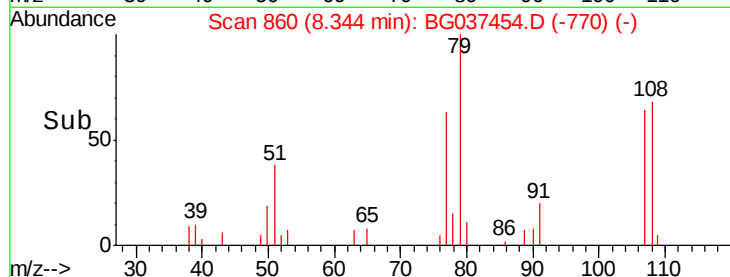
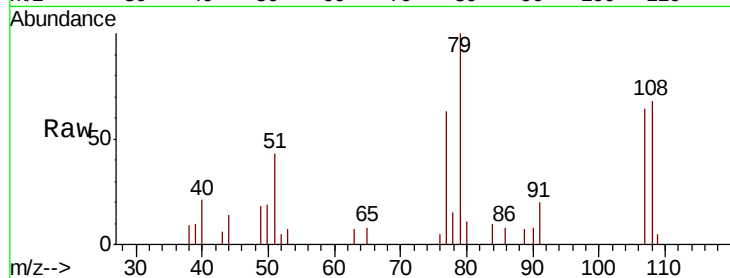
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	6145
Ion	Ratio	Lower	Upper
79	100		
108	68.1	65.8	98.8
77	62.8	52.9	79.3

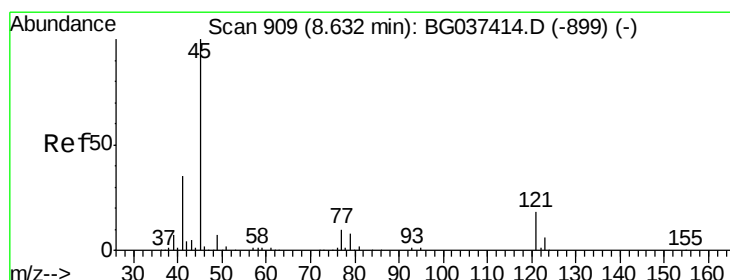
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.999 ng

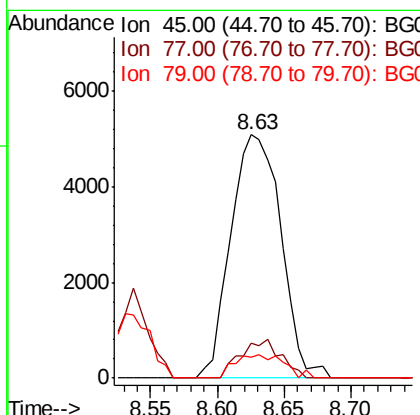
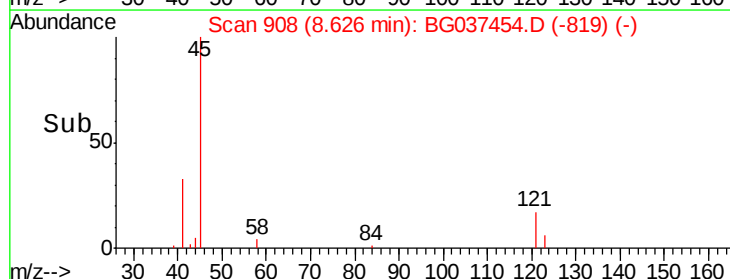
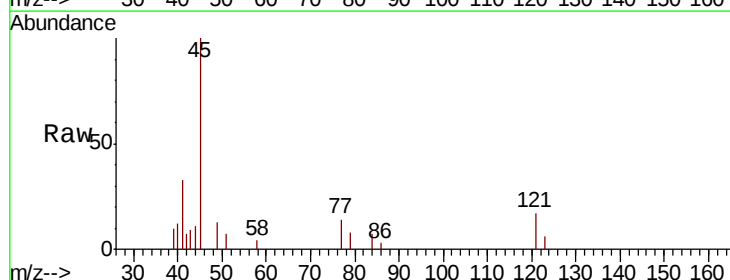
RT: 8.63 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	45	Resp:	13272
Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	30.0
79	8.4	0.0	29.0





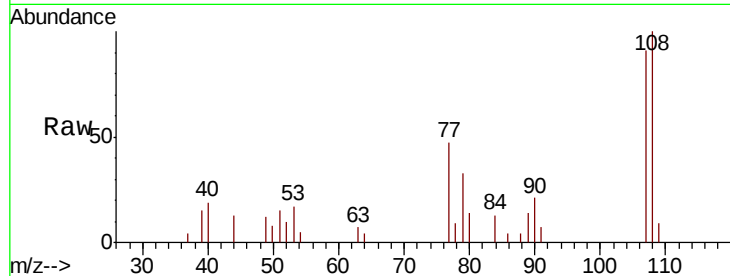
#17
2-Methylphenol
Concen: 1.994 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	6440		
108	109.6	87.9	131.9	
77	51.2	35.1	52.7	
79	36.3	34.5	51.7	

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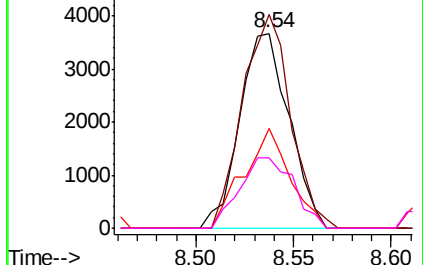
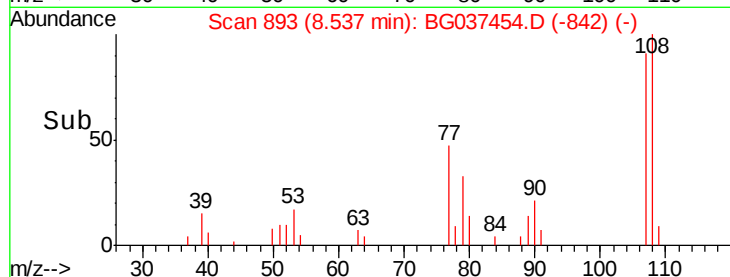
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

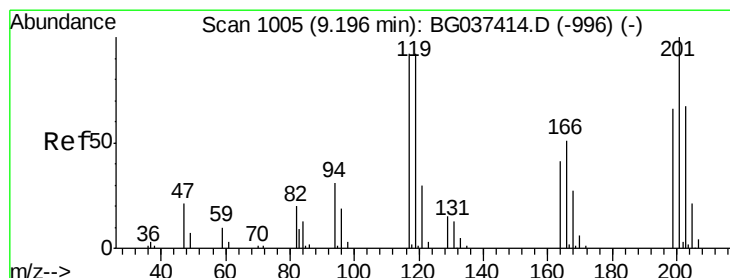
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



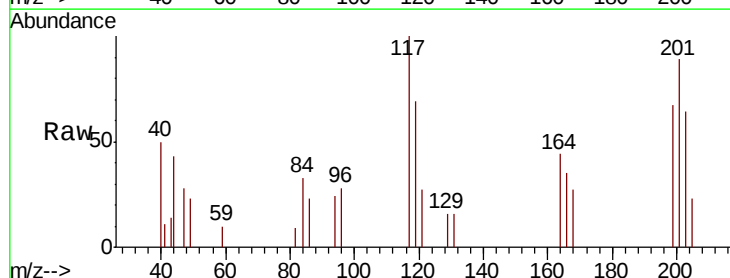
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#18
Hexachloroethane
Concen: 1.896 ng
RT: 9.20 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2637		
119	68.9	74.6	111.8#	
201	88.6	80.8	121.2	

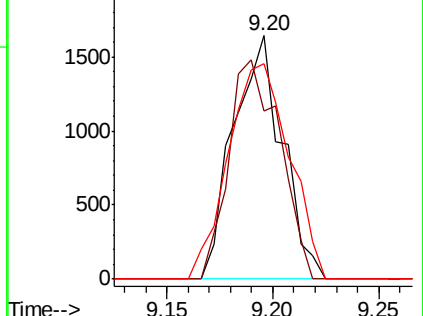
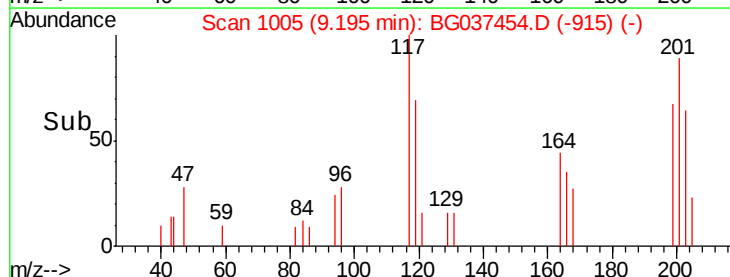


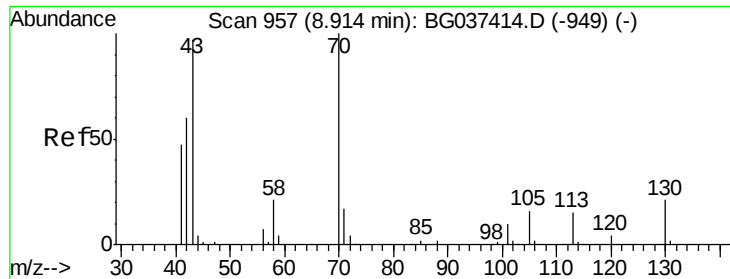
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





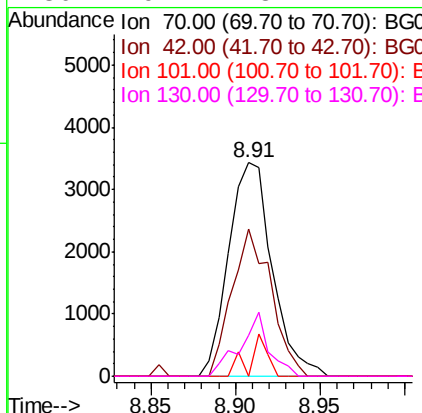
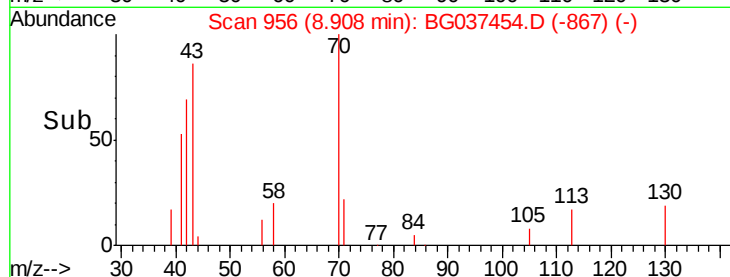
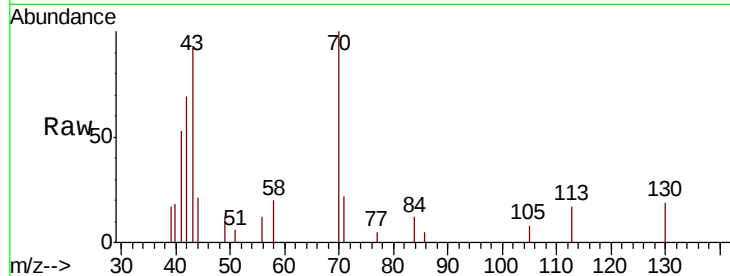
#19
n-Nitroso-di-n-propylamine
Concen: 1.940 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
70	100		
42	69.0	53.9	80.9
101	0.0	8.2	12.2
130	19.4	18.2	27.4

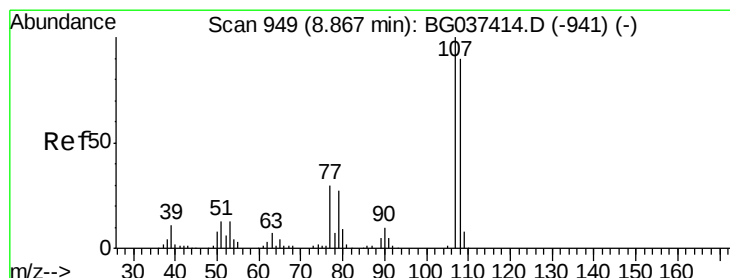
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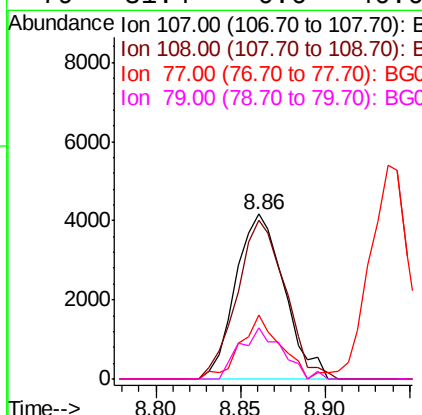
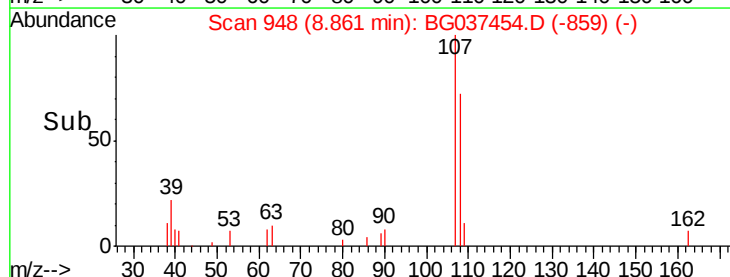
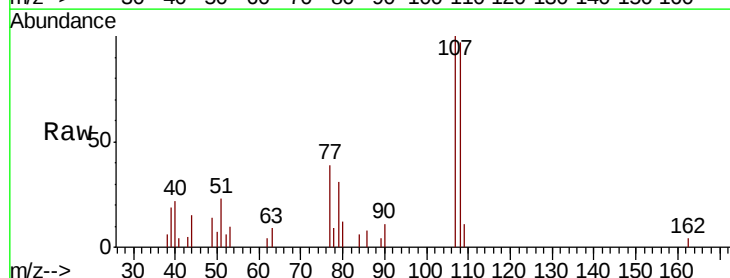
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#20
3+4-Methylphenols
Concen: 1.798 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.6	69.9	109.9
77	38.7	11.2	51.2
79	31.4	6.6	46.6





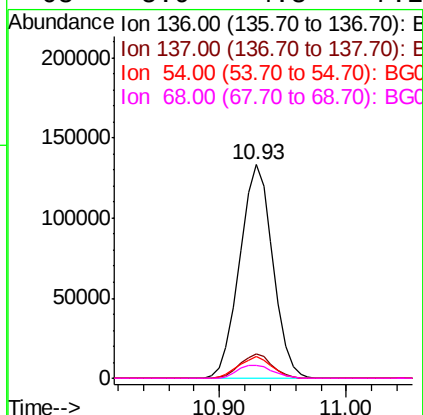
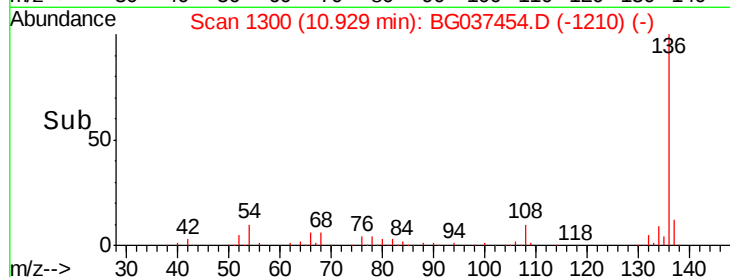
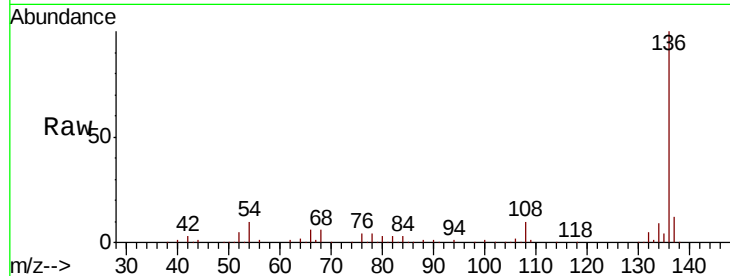
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	241057		
137	11.6	9.6	14.4	
54	10.0	7.9	11.9	
68	5.9	4.8	7.2	

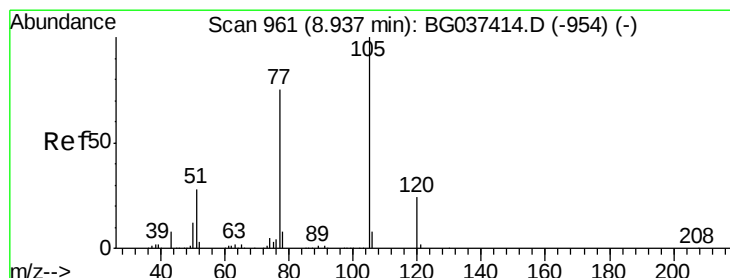
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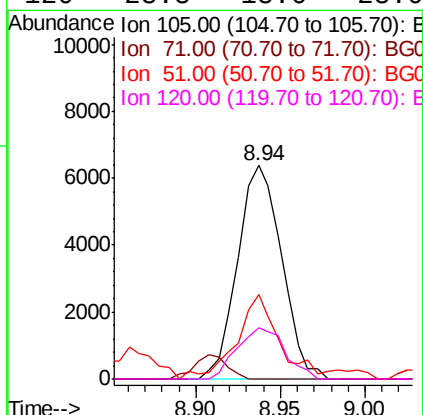
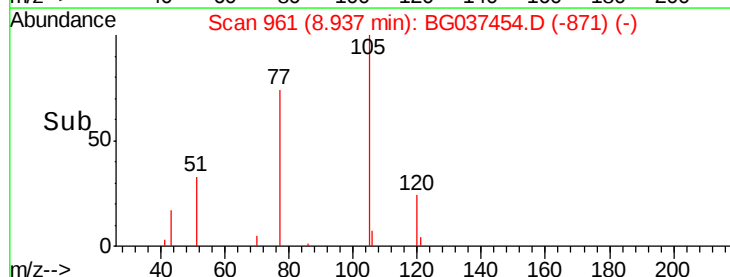
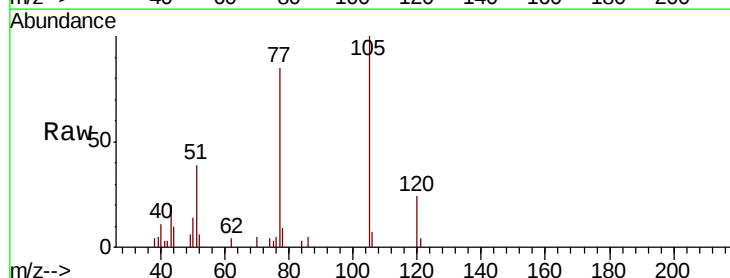
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#22
Acetophenone
Concen: 1.917 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	11591		
71	0.0	1.2	1.8#	
51	39.3	25.0	37.6#	
120	23.8	18.6	28.0	





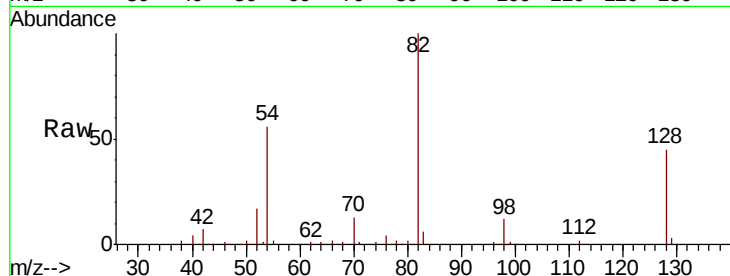
#23
Nitrobenzene-d5
Concen: 82.426 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	354690		
128	45.3	34.6	51.8	
54	55.6	45.3	67.9	

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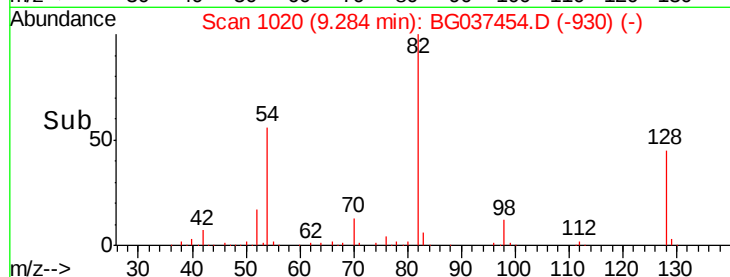
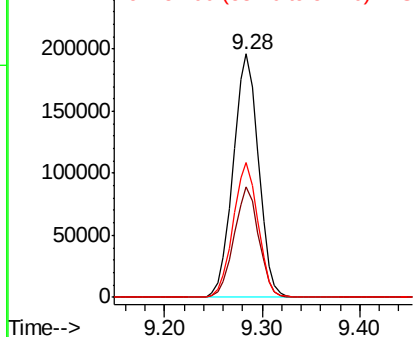


Abundance

Ion 82.00 (81.70 to 82.70): BGC

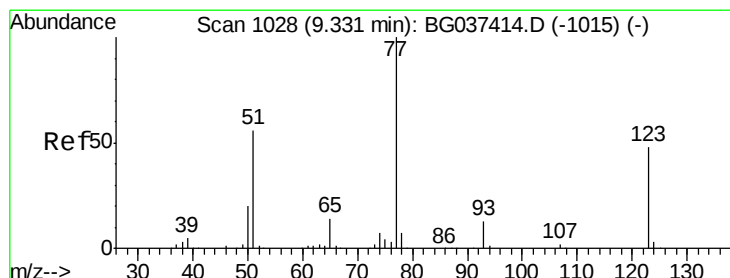
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



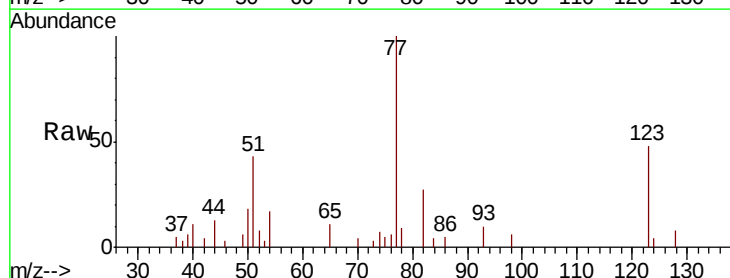
Sohil

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#24
Nitrobenzene
Concen: 2.082 ng
RT: 9.32 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	9305		
123	47.5	33.6	50.4	
65	11.4	11.3	16.9	

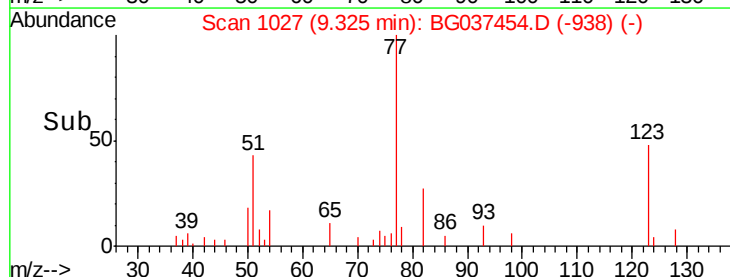
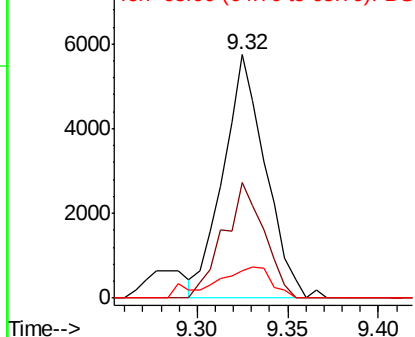


Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 1.997 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

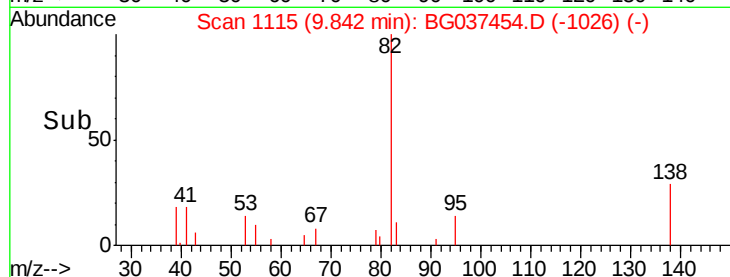
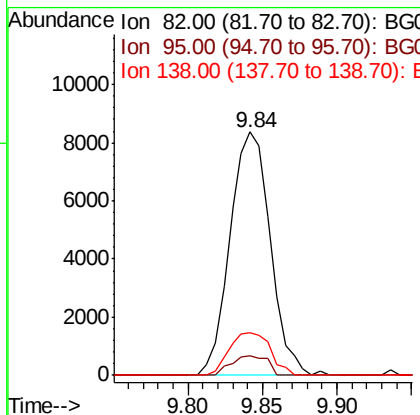
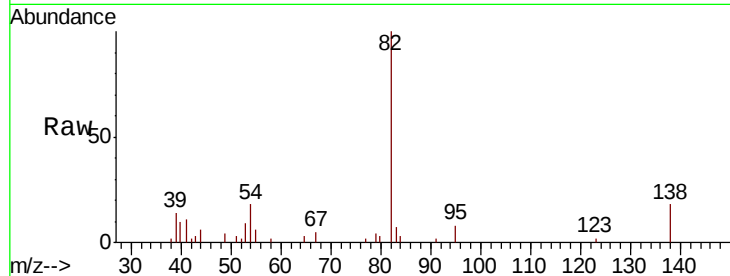
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 15701
 Ion Ratio Lower Upper
 82 100
 95 8.3 5.3 7.9#
 138 17.8 13.3 19.9

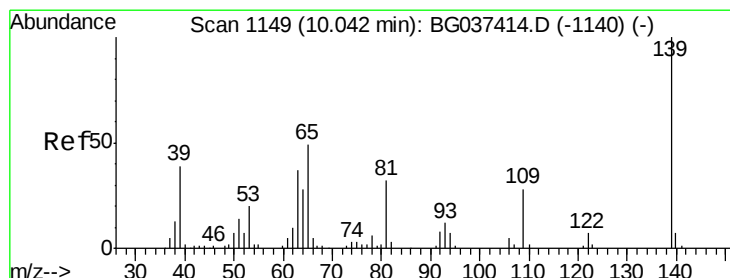
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#26

2-Nitrophenol

Concen: 1.598 ng

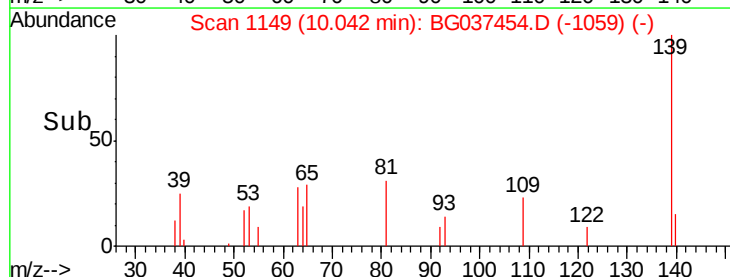
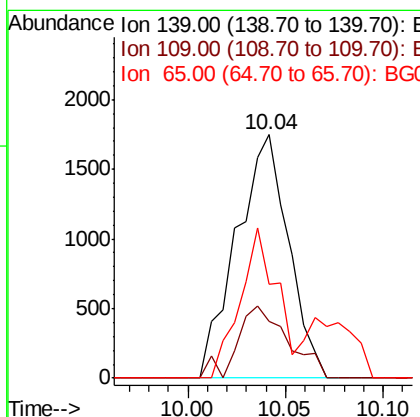
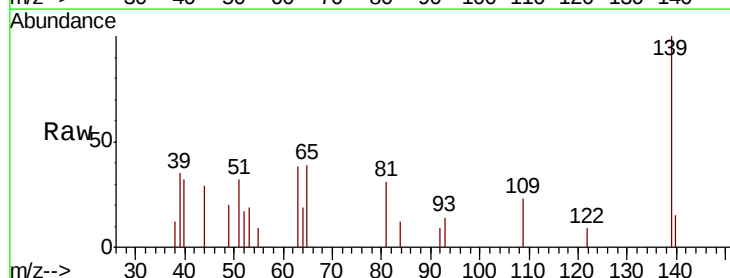
RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion: 139 Resp: 3218
 Ion Ratio Lower Upper
 139 100
 109 23.4 23.3 34.9
 65 38.6 39.8 59.8#





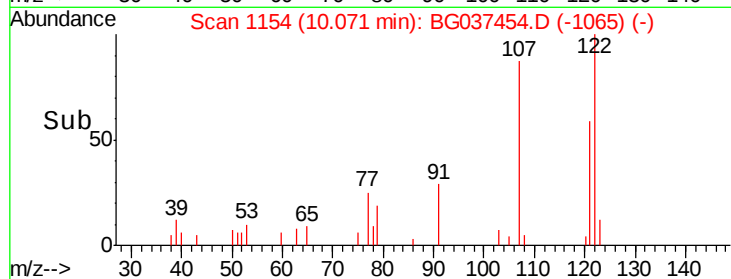
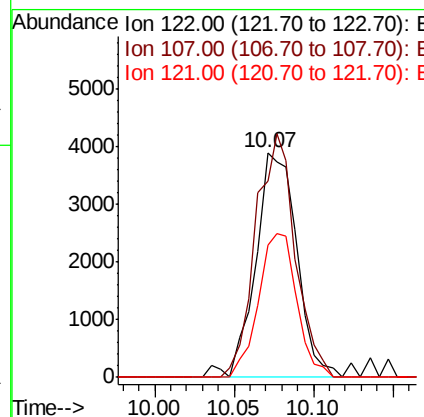
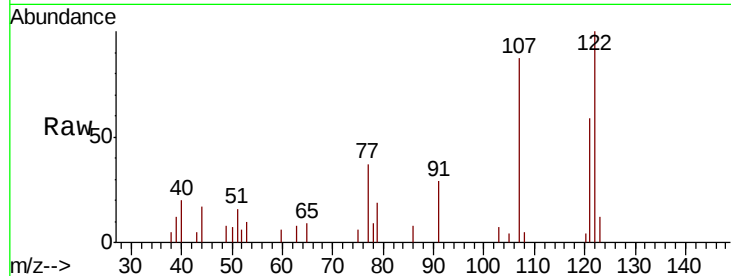
#27
2,4-Dimethylphenol
Concen: 1.964 ng
RT: 10.07 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 122 Resp: 7062
Ion Ratio Lower Upper
122 100
107 87.3 94.2 141.2#
121 58.9 47.3 70.9

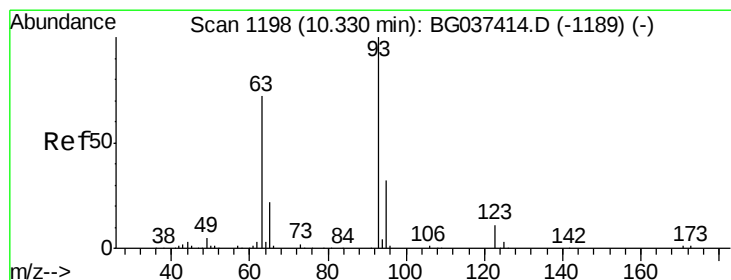
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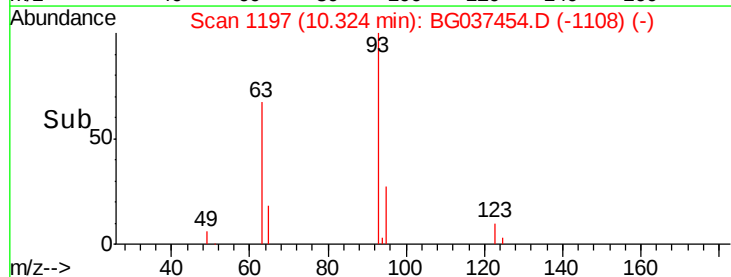
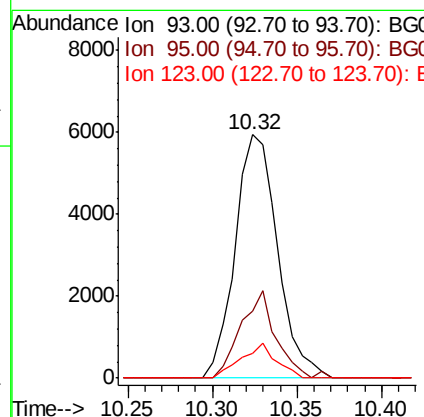
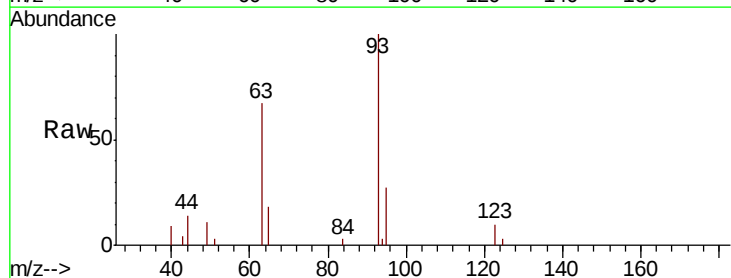
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#28
bis(2-Chloroethoxy)methane
Concen: 2.017 ng
RT: 10.32 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion: 93 Resp: 10391
Ion Ratio Lower Upper
93 100
95 27.4 24.6 37.0
123 10.2 9.1 13.7





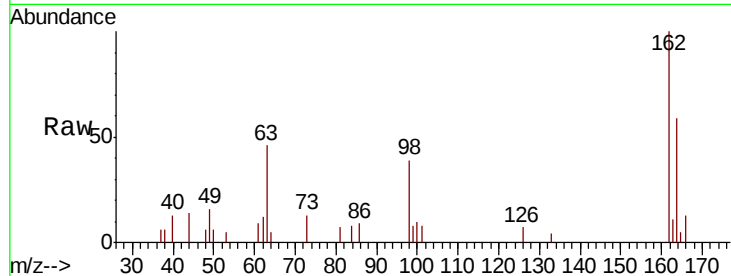
#29
2,4-Dichlorophenol
Concen: 1.742 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.2	83.2
98	39.0	16.0	56.0

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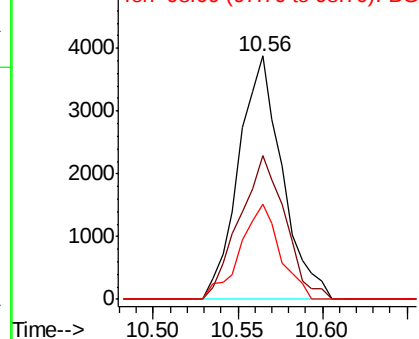


Abundance

Ion 162.00 (161.70 to 162.70): E

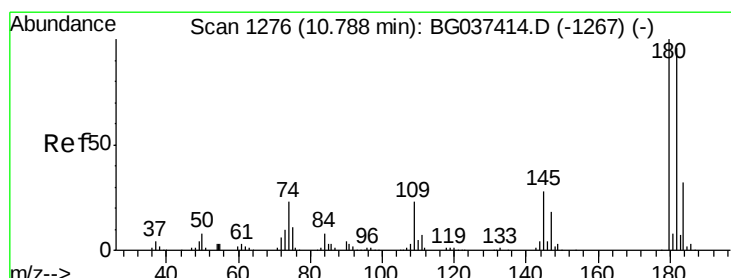
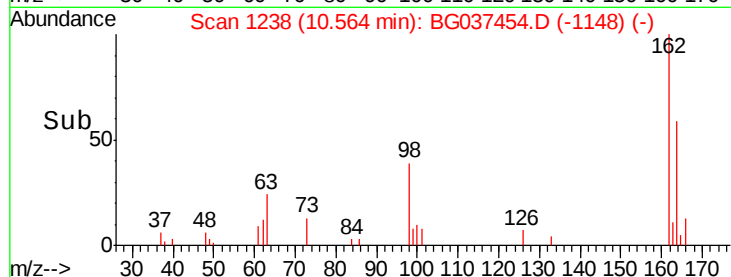
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



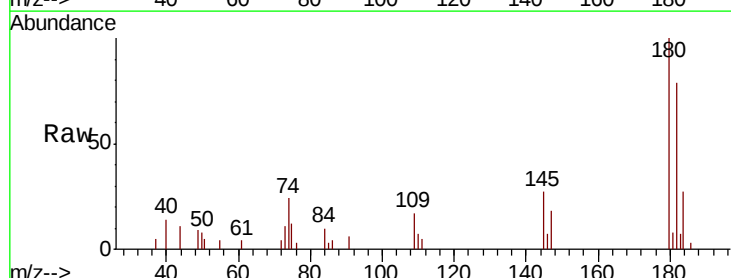
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#30
1,2,4-Trichlorobenzene
Concen: 1.976 ng
RT: 10.78 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.4	77.7	116.5
145	26.8	23.3	34.9

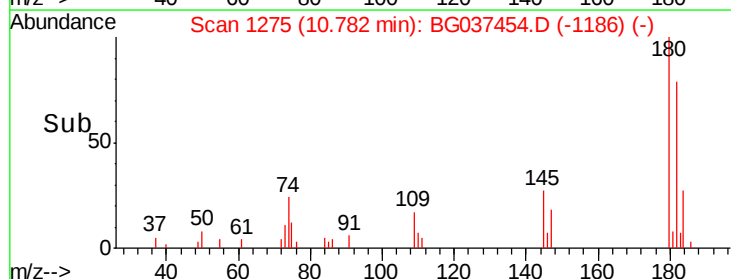
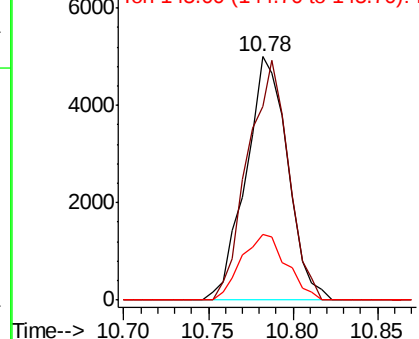


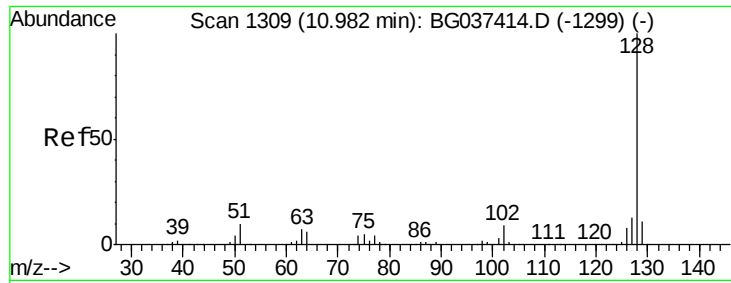
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





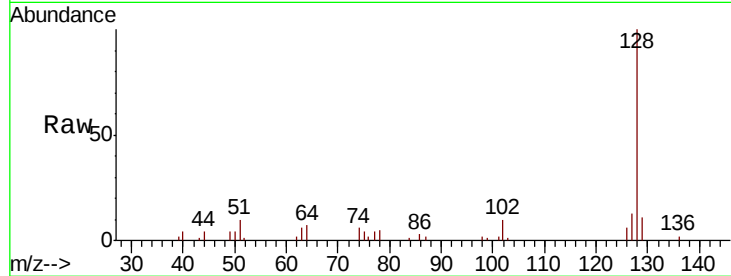
#31
Naphthalene
Concen: 2.256 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	11.1	16.7

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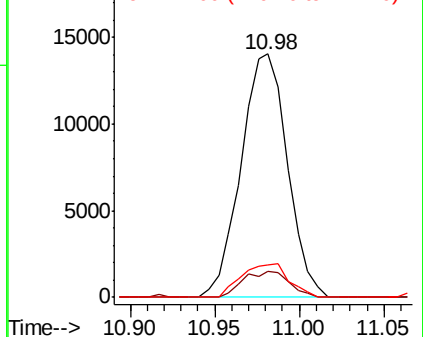


Abundance

Ion 128.00 (127.70 to 128.70): E

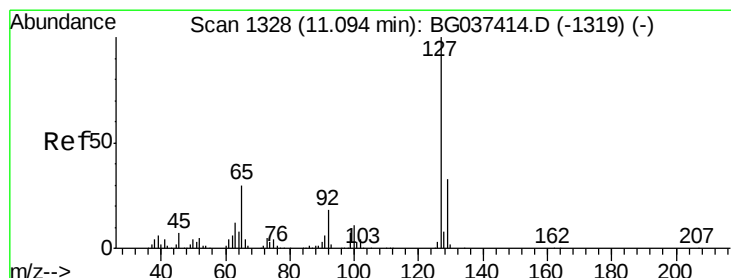
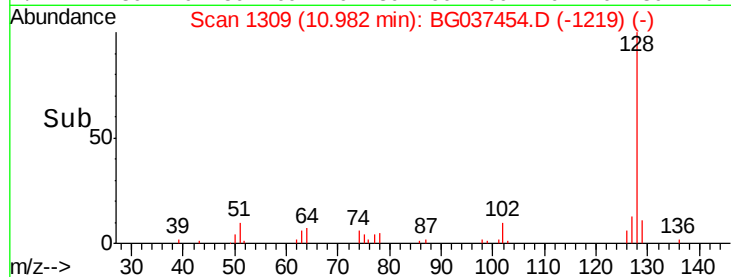
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



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#33
4-Chloroaniline
Concen: 1.197 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.6	27.1	40.7
65	22.5	26.6	39.8#
92	16.4	16.4	24.6#

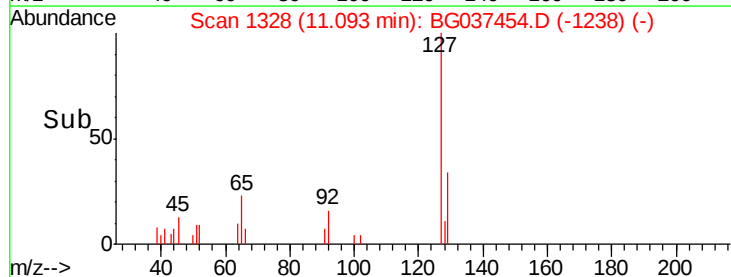
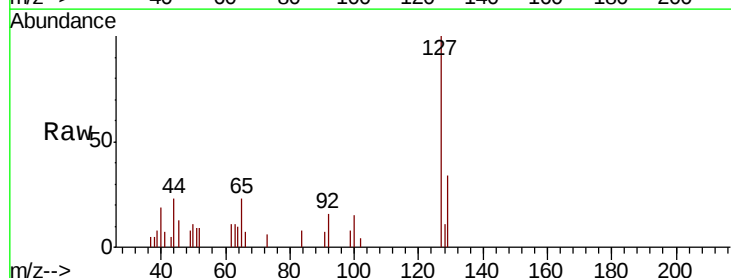
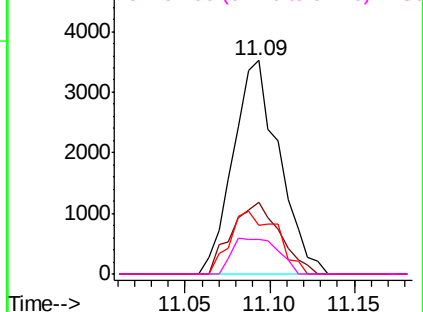
Abundance

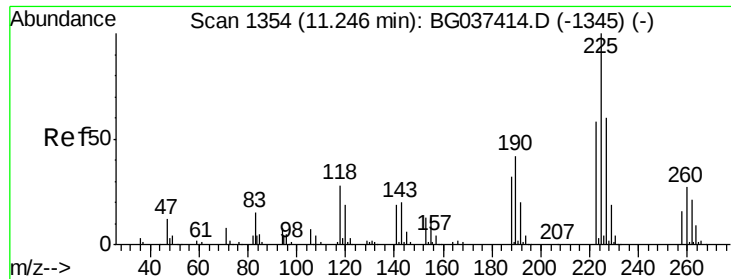
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#34

Hexachlorobutadiene

Concen: 1.735 ng

RT: 11.25 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BG037454.D

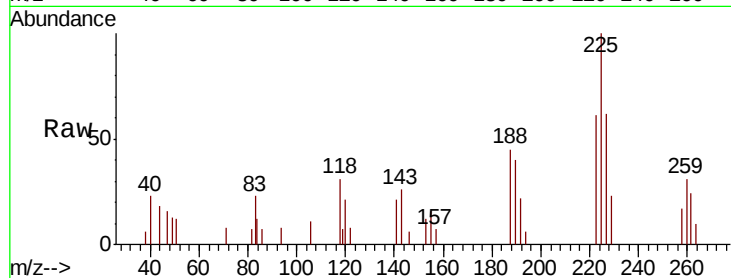
Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

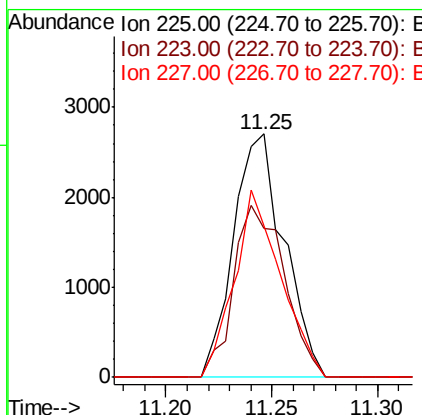
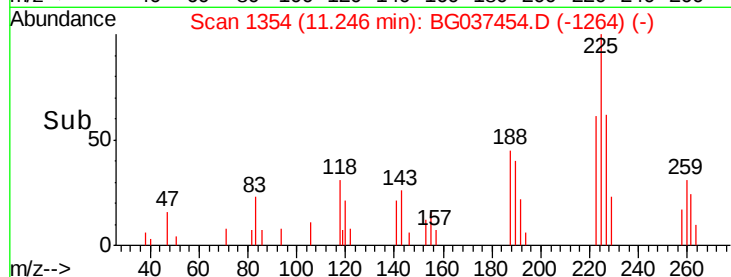
MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:	225	Resp:	4476
Ion Ratio	Lower	Upper	
225	100		
223	61.0	48.2	72.4
227	62.2	51.6	77.4

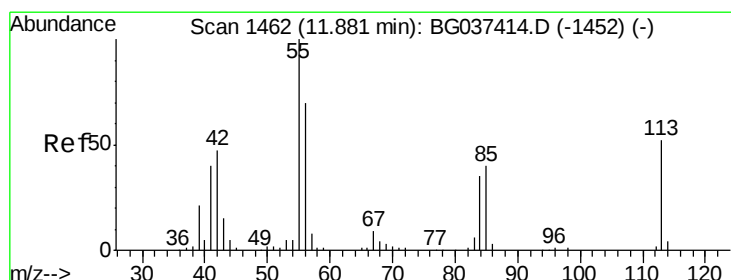
Manual Integrations
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#35

Caprolactam

Concen: 1.082 ng m

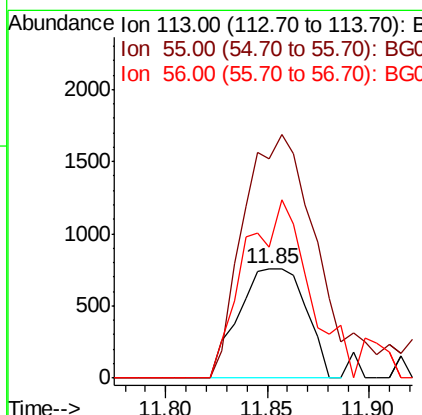
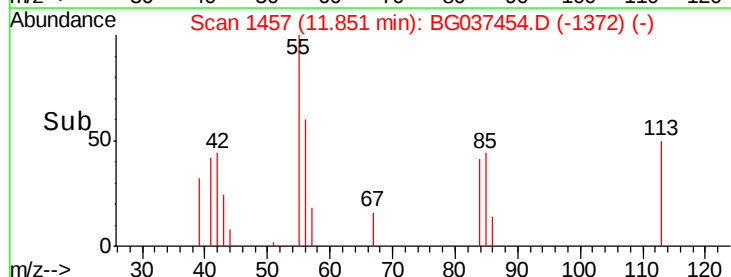
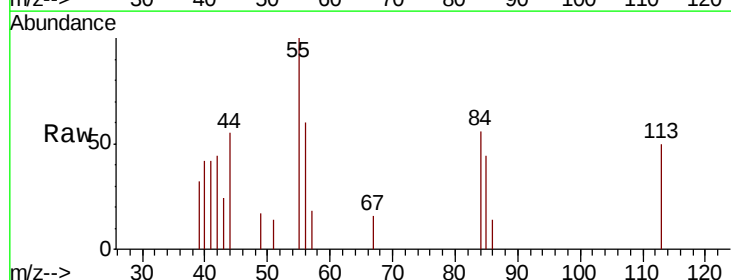
RT: 11.85 min Scan# 1457

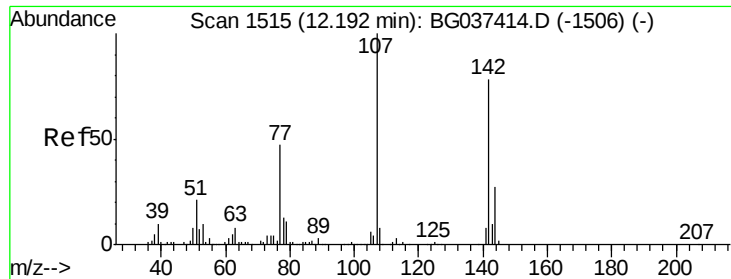
Delta R.T. -0.03 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	113	Resp:	1737
Ion Ratio	Lower	Upper	
113	100		
55	199.2	176.6	216.6
56	118.8	128.3	168.3#





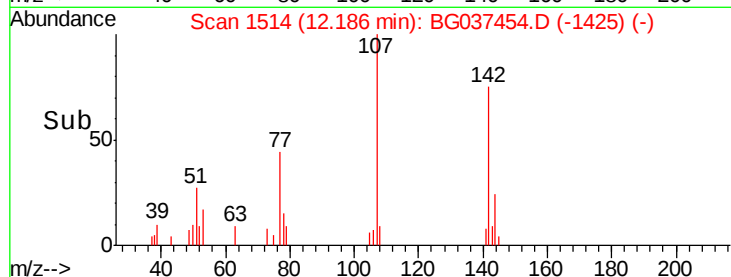
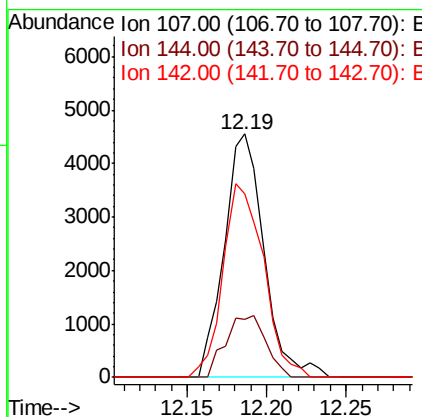
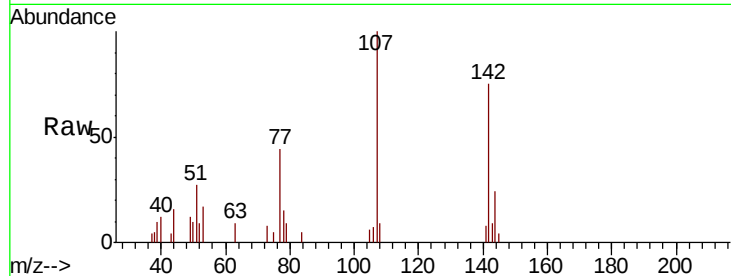
#36
 4-Chloro-3-methylphenol
 Concen: 1.755 ng
 RT: 12.19 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.7	20.7	31.1
142	75.3	64.4	96.6

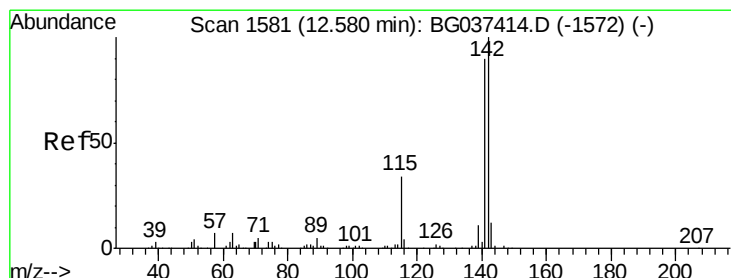
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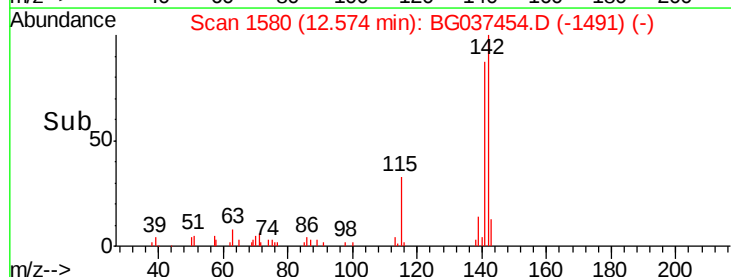
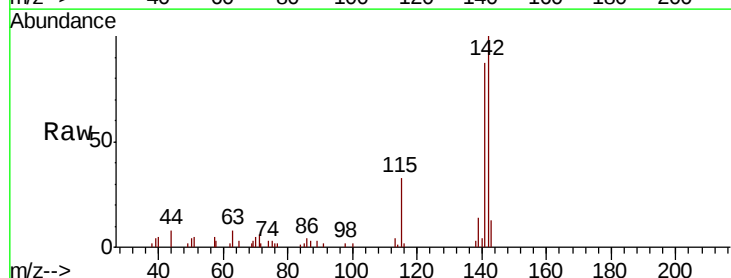
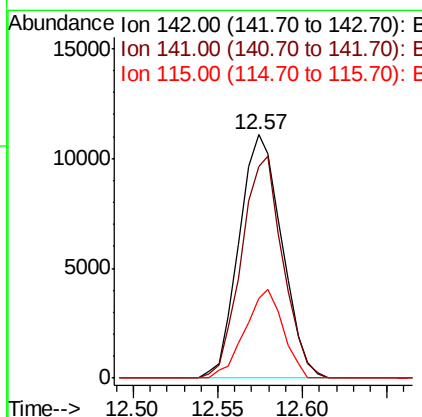
Sohil

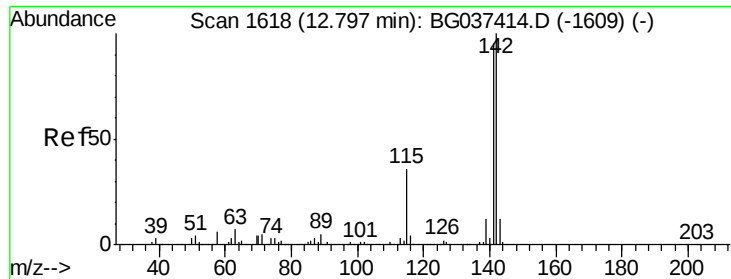
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#37
 2-Methylnaphthalene
 Concen: 2.255 ng
 RT: 12.57 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.9	107.9
115	32.7	27.8	41.8





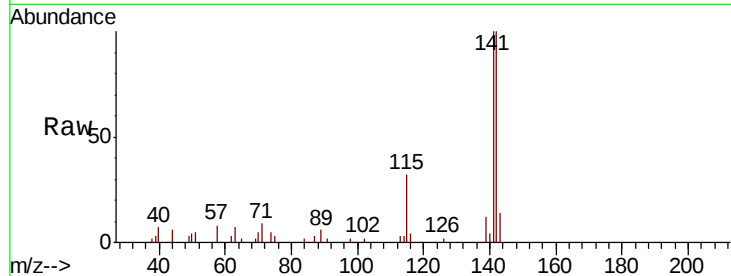
#38
1-Methylnaphthalene
Concen: 2.149 ng
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	18015		
141	99.8	75.2	112.8	
116	4.5	3.3	4.9	

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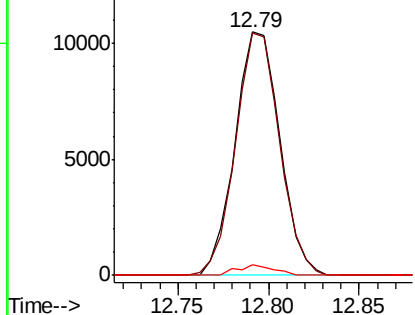


Abundance

Ion 142.00 (141.70 to 142.70): E

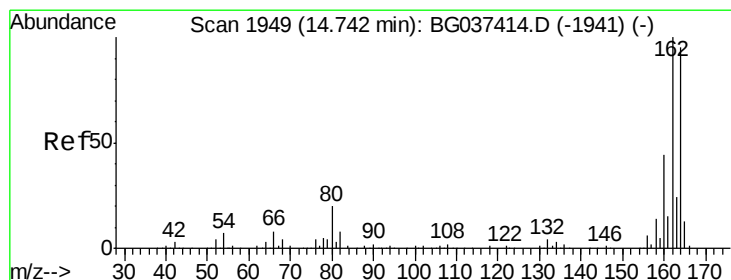
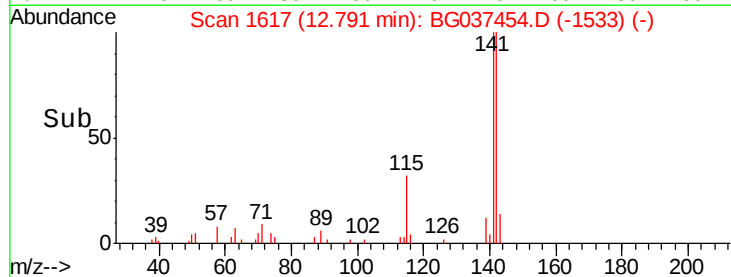
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

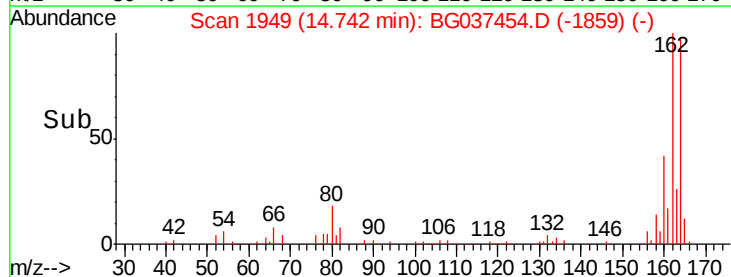
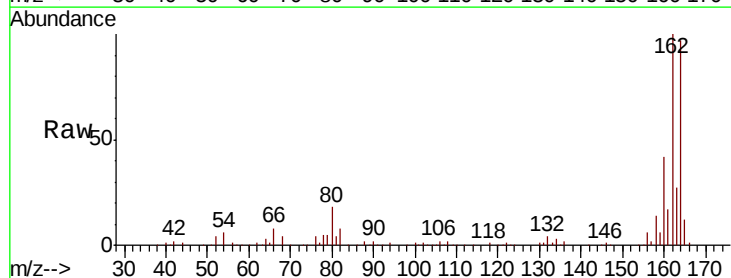
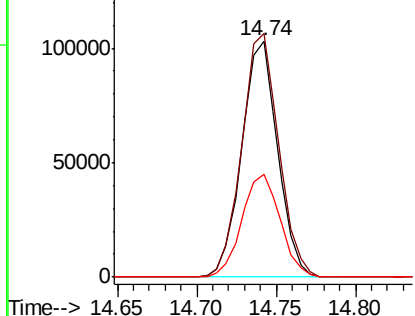
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161971		
162	103.1	81.3	121.9	
160	43.4	36.3	54.5	

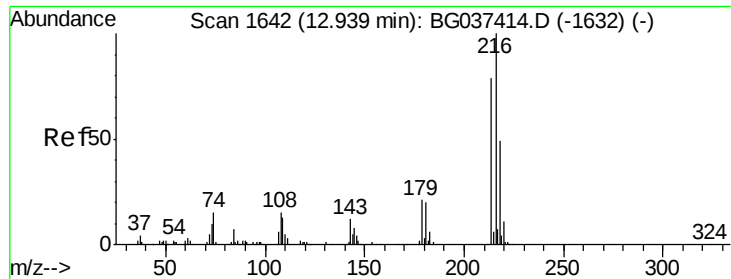
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





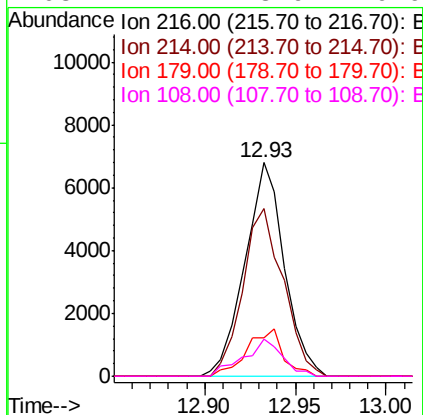
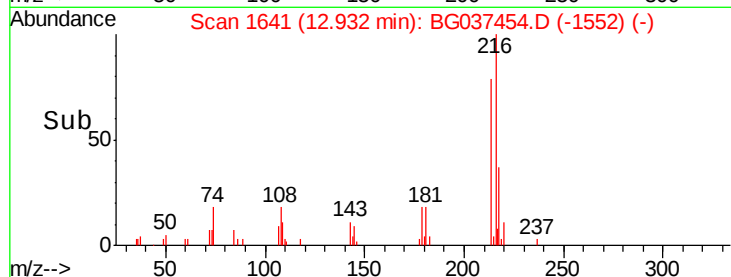
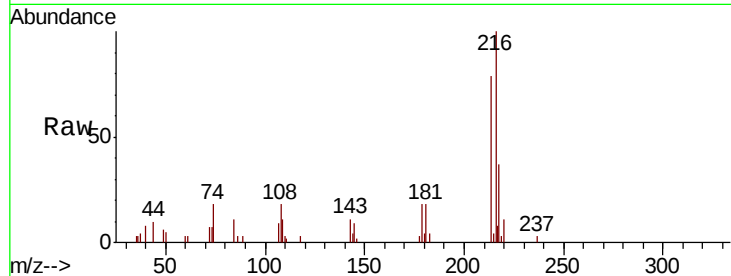
#40
1,2,4,5-Tetrachlorobenzene
Concen: 1.963 ng
RT: 12.93 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.8	95.6
179	20.4	17.4	26.0
108	17.2	13.9	20.9

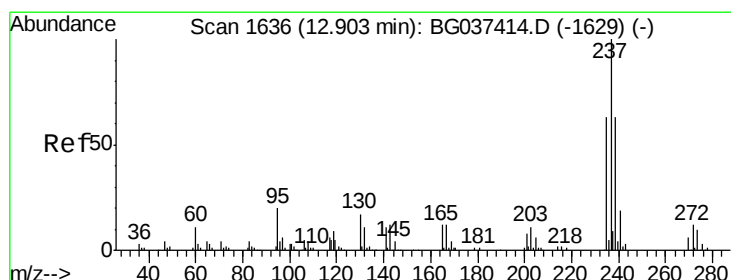
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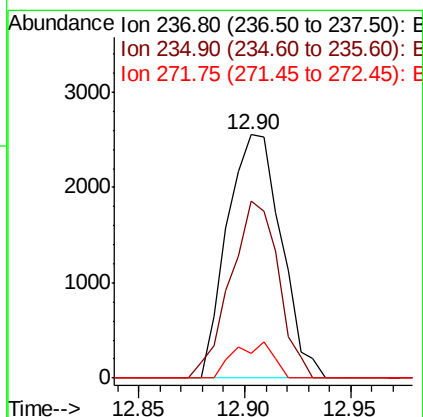
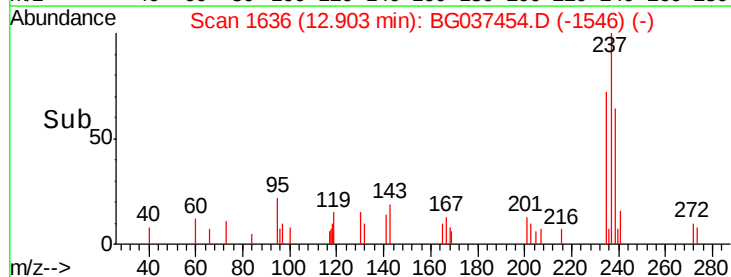
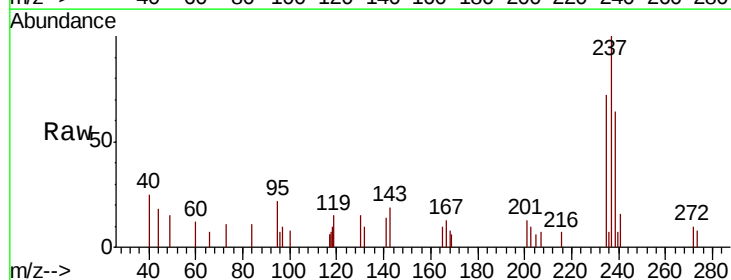
Sohil

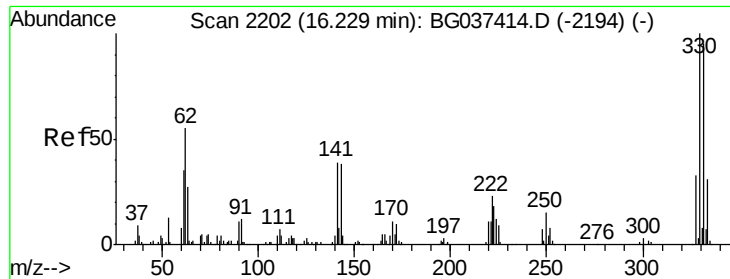
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#41
Hexachlorocyclopentadiene
Concen: 1.811 ng
RT: 12.90 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
237	100		
235	72.5	42.5	82.5
272	10.2	0.0	31.6





#42

2,4,6-Tribromophenol

Concen: 132.656 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

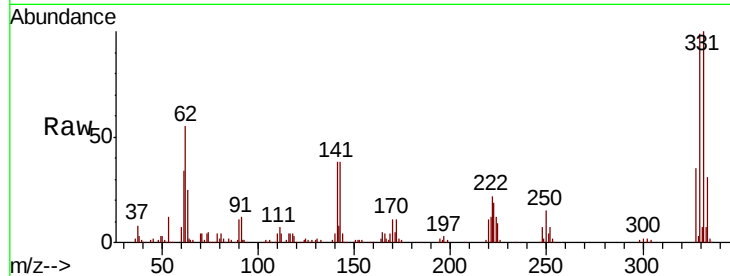
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	330	Resp:	234350
Ion Ratio	Lower	Upper	
330	100		
332	97.6	78.4	117.6
141	40.8	32.2	48.2

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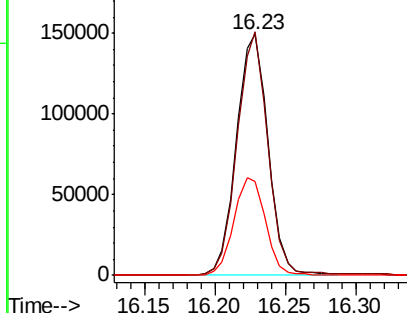
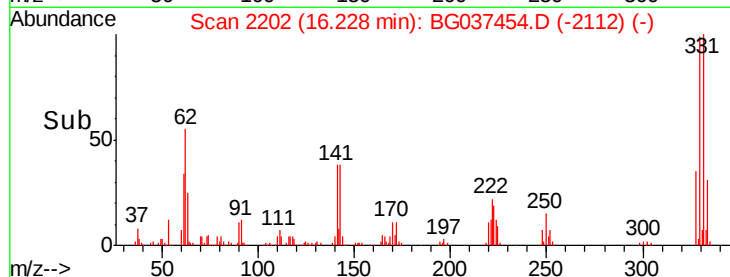


Abundance

Ion 329.80 (329.50 to 330.50): E

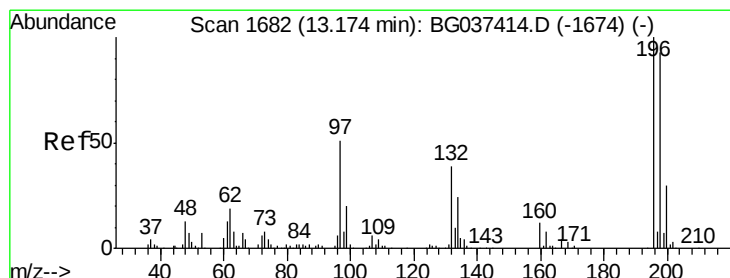
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



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#43

2,4,6-Trichlorophenol

Concen: 1.609 ng

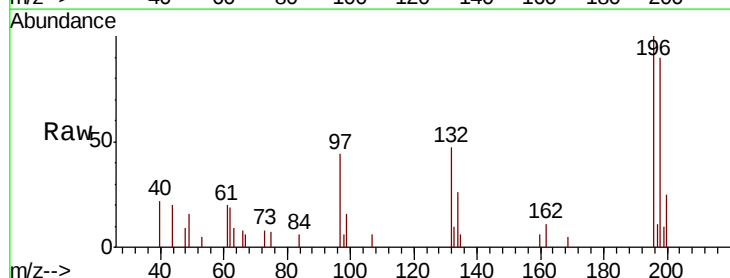
RT: 13.17 min Scan# 1682

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	196	Resp:	5616
Ion Ratio	Lower	Upper	
196	100		
198	90.0	76.4	114.6
200	25.0	24.9	37.3

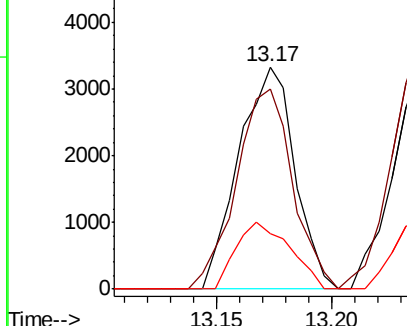
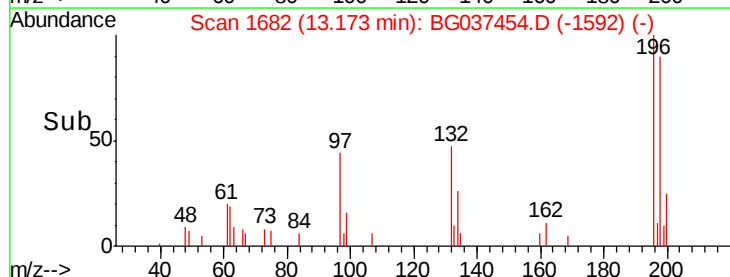


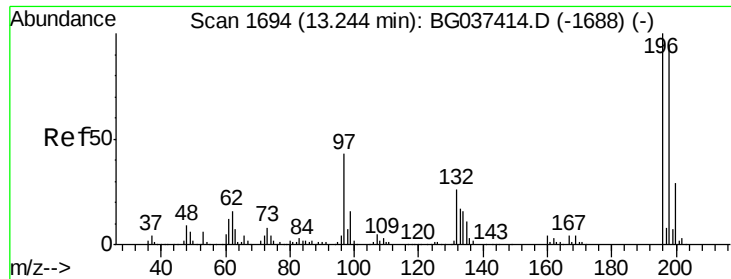
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





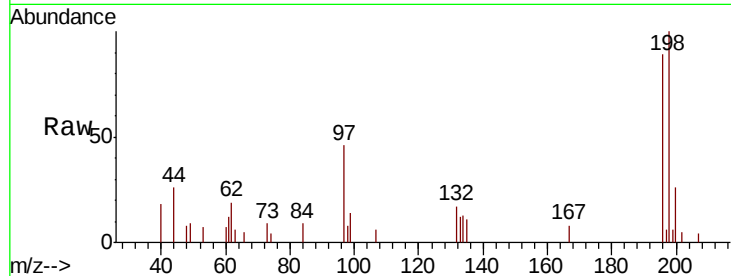
#44
 2,4,5-Trichlorophenol
 Concen: 1.638 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	6224		
198	112.9	74.2	111.2#	
97	51.9	34.1	51.1#	
132	19.0	20.2	30.4#	

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Abundance

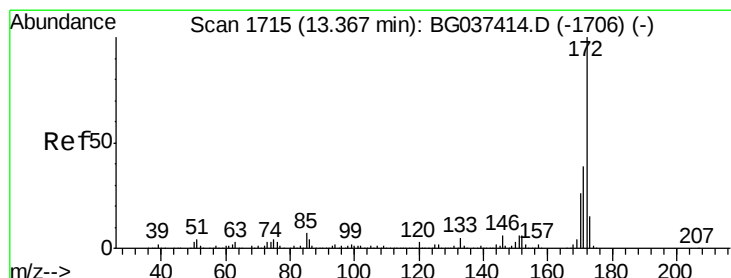
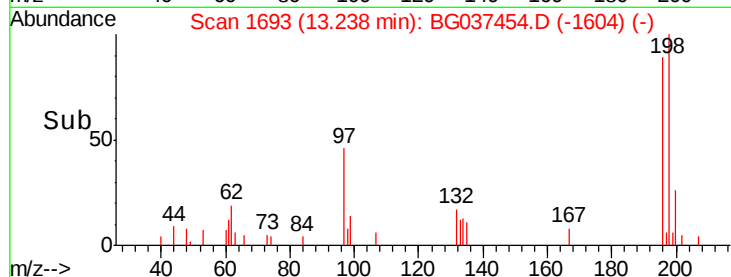
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

Time-->



#45
 2-Fluorobiphenyl
 Concen: 81.118 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	871306		
171	37.9	31.0	46.4	
170	24.8	20.2	30.2	

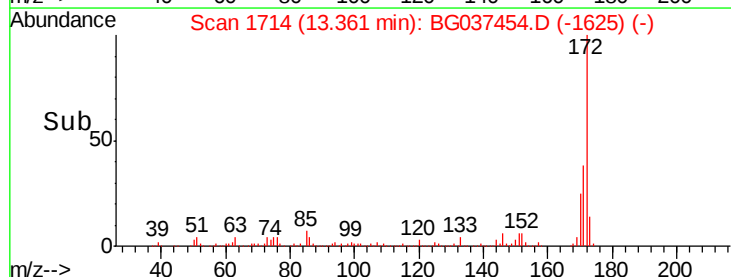
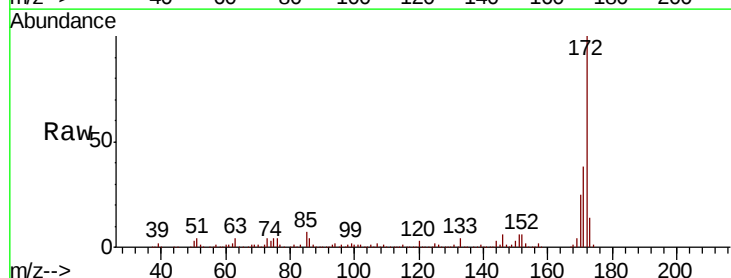
Abundance

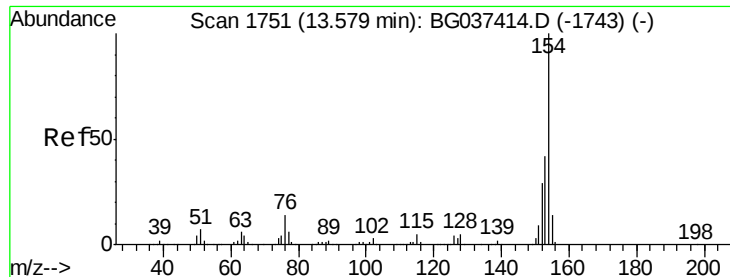
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time-->





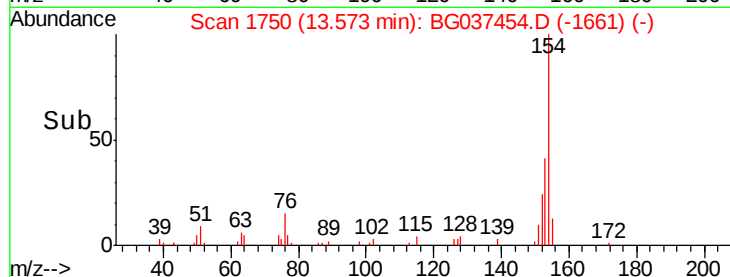
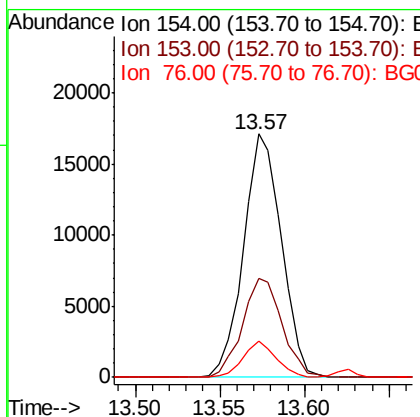
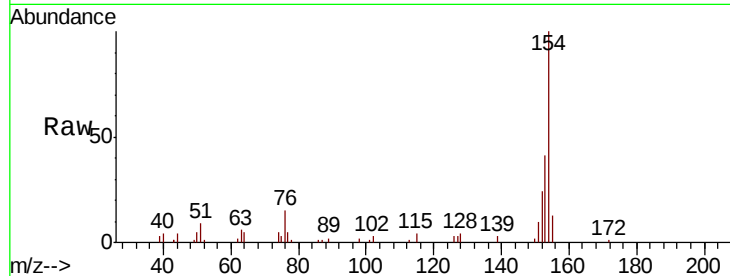
#46
1,1'-Biphenyl
Concen: 1.987 ng
RT: 13.57 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26653		
153	40.6	22.1	62.1	
76	14.7	0.0	33.2	

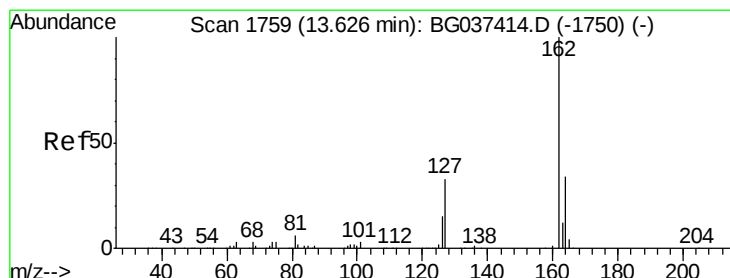
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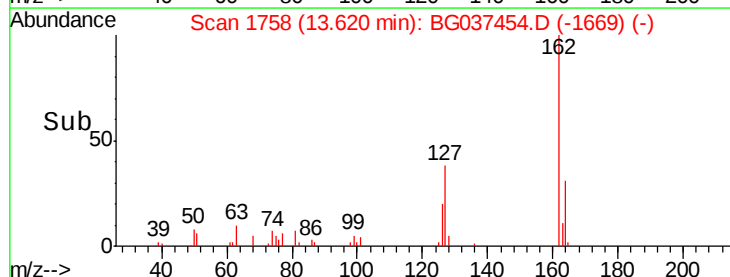
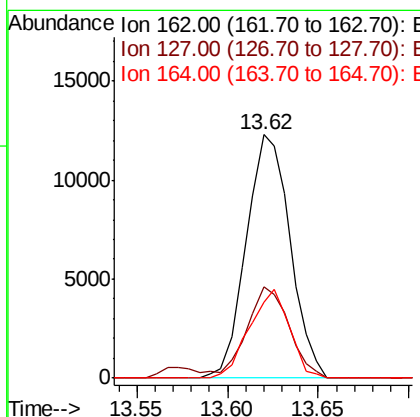
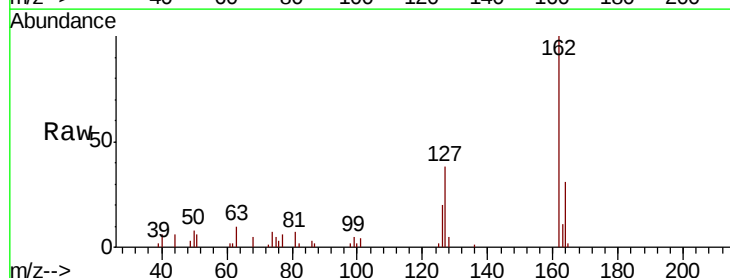
Sohil

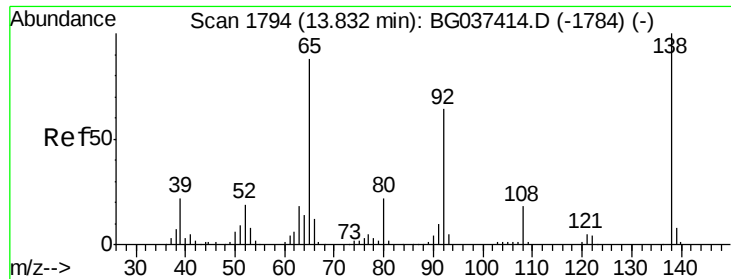
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#47
2-Chloronaphthalene
Concen: 2.033 ng
RT: 13.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	20631		
127	37.7	30.5	45.7	
164	31.1	26.4	39.6	





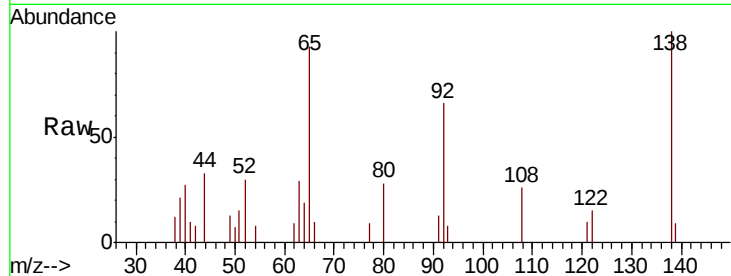
#48
2-Nitroaniline
Concen: 1.495 ng
RT: 13.83 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

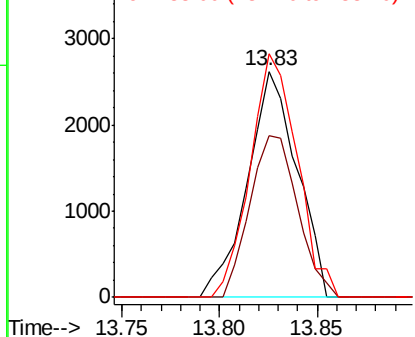
Tgt Ion: 65 Resp: 4600
Ion Ratio Lower Upper
65 100
92 71.6 53.2 79.8
138 107.7 79.3 118.9

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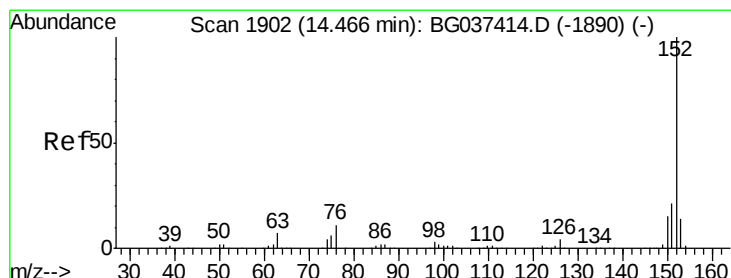
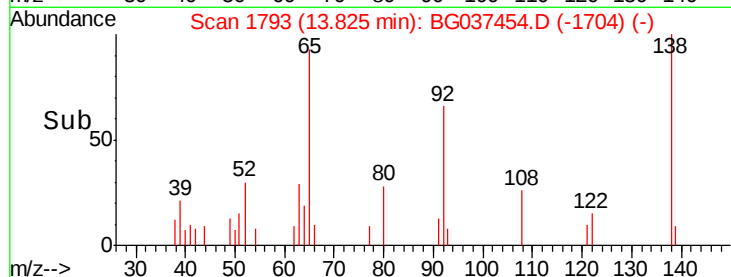


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



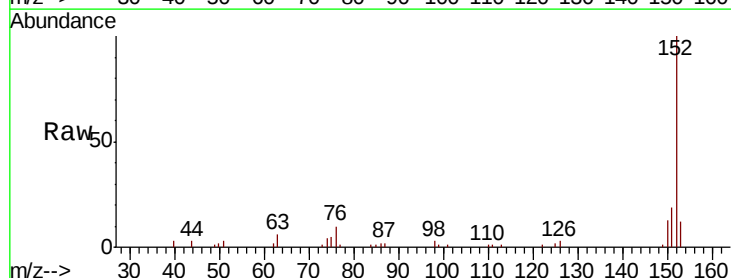
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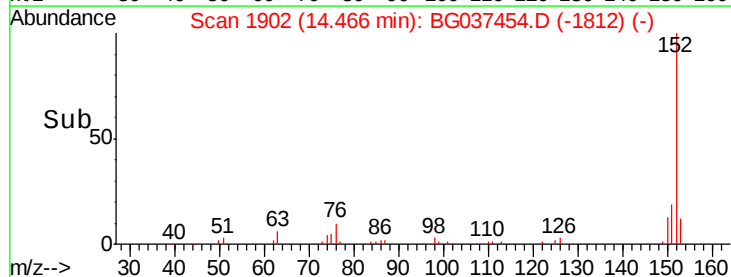
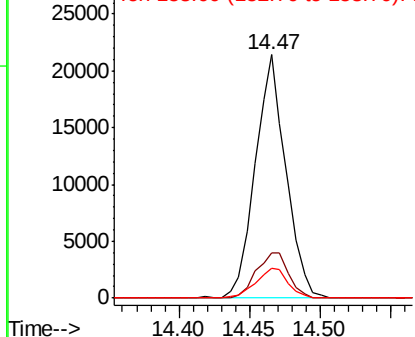


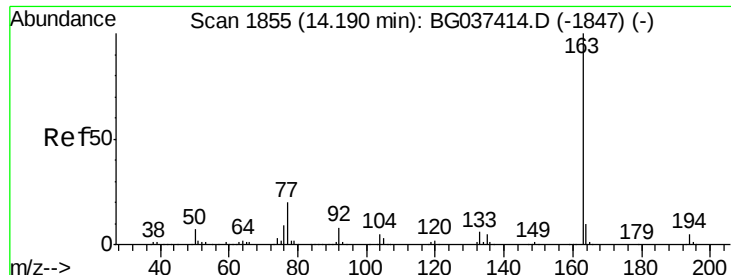
#49
Acenaphthylene
Concen: 2.140 ng
RT: 14.47 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion: 152 Resp: 32668
Ion Ratio Lower Upper
152 100
151 18.7 17.1 25.7
153 12.5 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





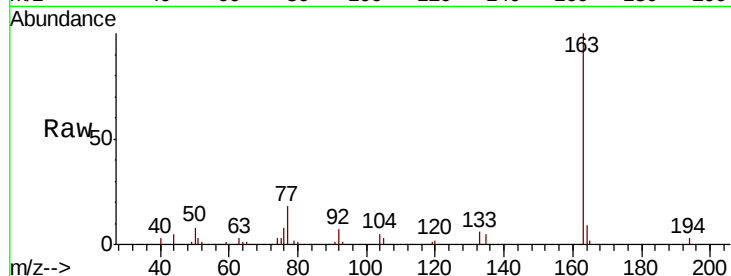
#50
Dimethylphthalate
Concen: 2.096 ng
RT: 14.18 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26261		
194	3.4	3.5	5.3#	
164	9.5	8.5	12.7	

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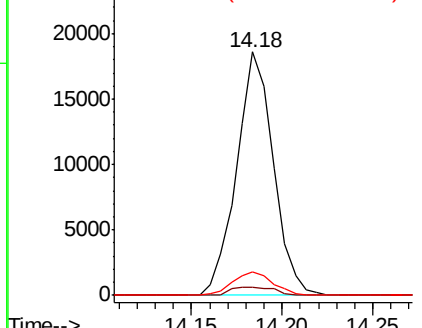


Abundance

Ion 163.00 (162.70 to 163.70): E

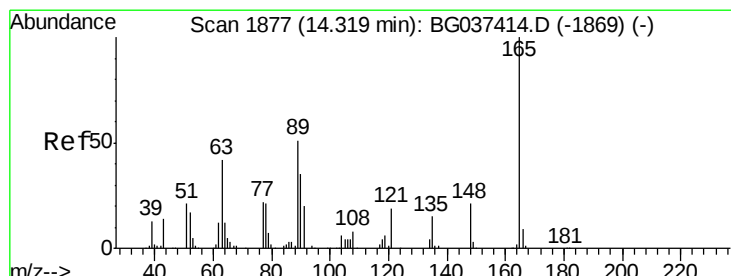
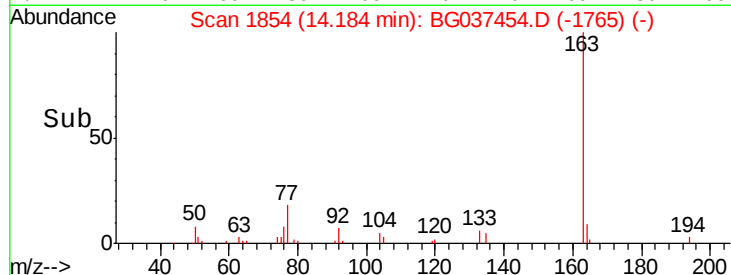
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



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#51
2,6-Dinitrotoluene
Concen: 1.576 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

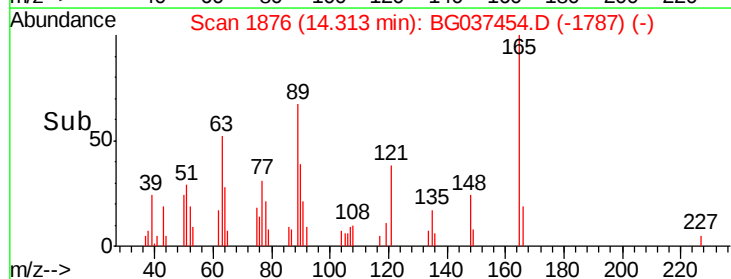
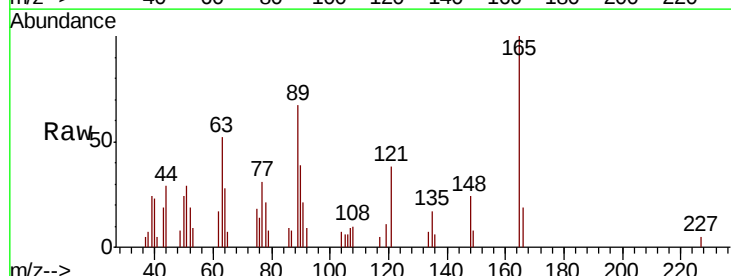
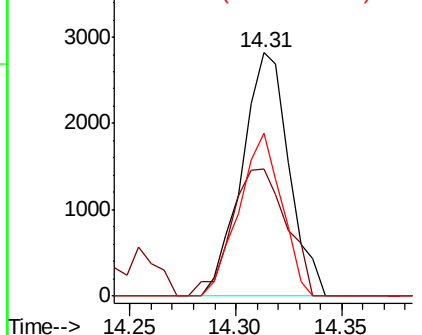
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	4369		
63	52.1	43.4	65.2	
89	66.9	45.8	68.6	

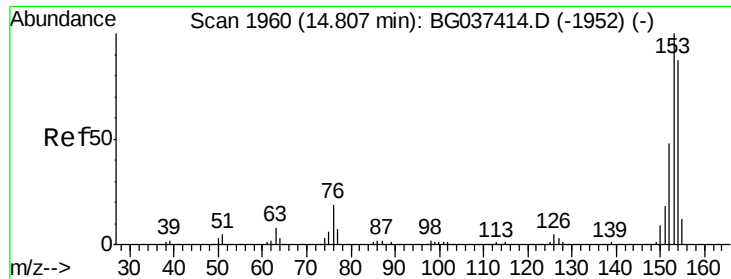
Abundance

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: 2.106 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037454.D

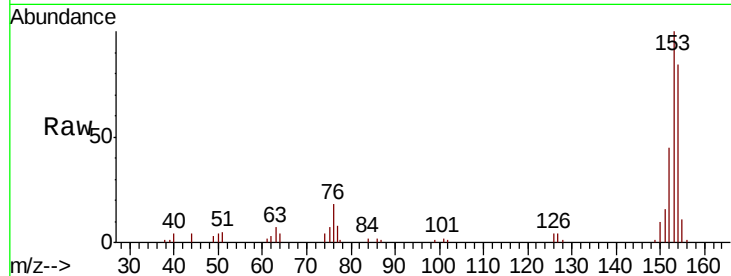
Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

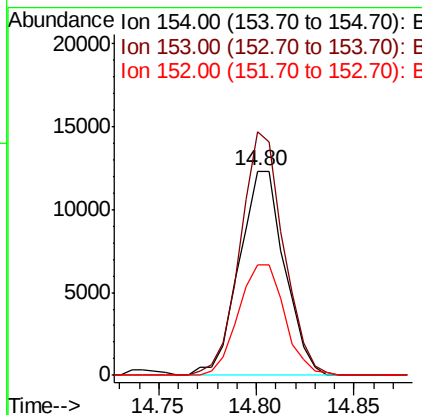
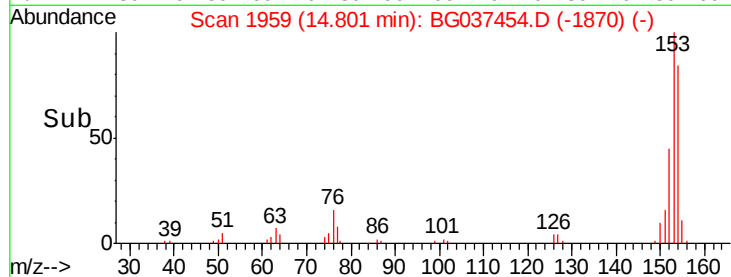
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	119.1	93.4	140.0
152	53.8	44.7	67.1

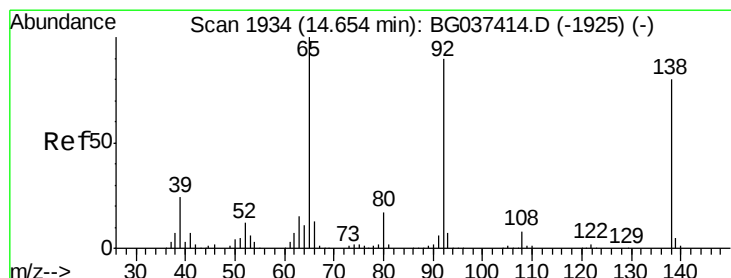
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#53

3-Nitroaniline

Concen: 1.295 ng

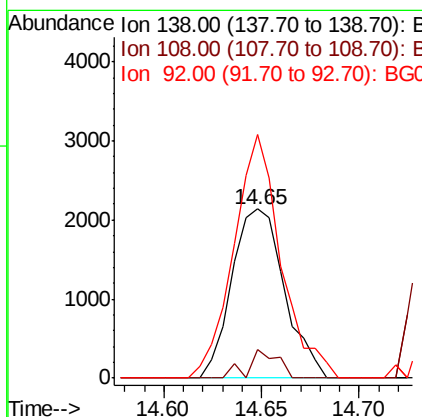
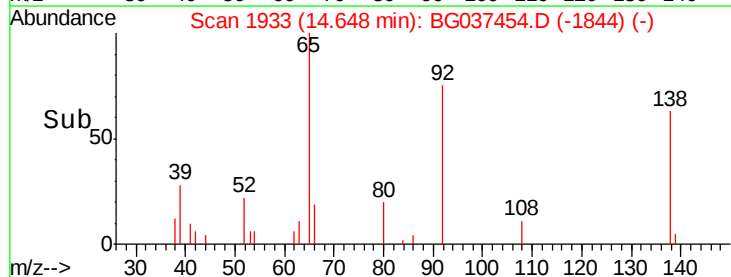
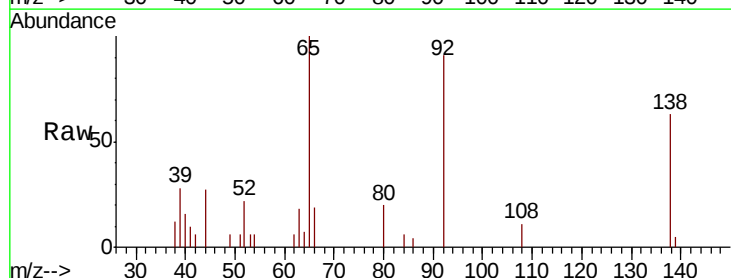
RT: 14.65 min Scan# 1933

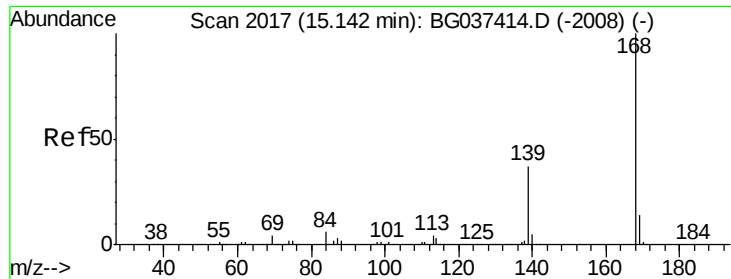
Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
138	100		
108	16.7	11.0	16.6#
92	143.9	95.2	142.8#





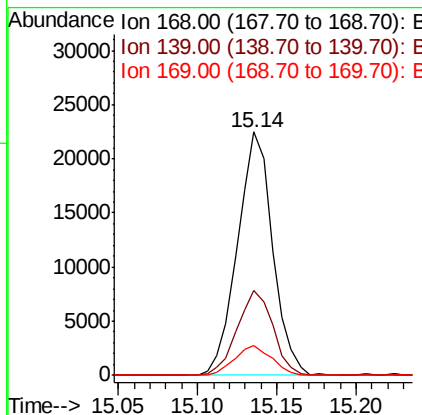
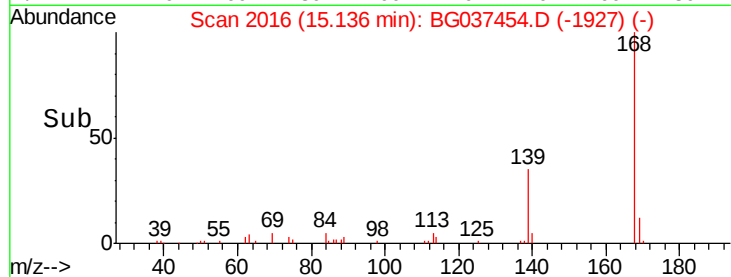
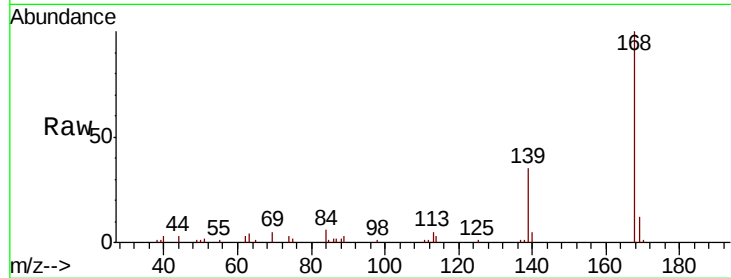
#55
Dibenzenofuran
Concen: 2.210 ng
RT: 15.14 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	168	Resp:	34423
Ion Ratio	Lower	Upper	
168	100		
139	35.1	29.4	44.0
169	12.2	11.0	16.6

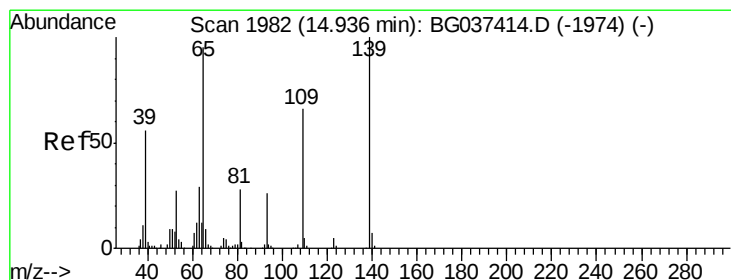
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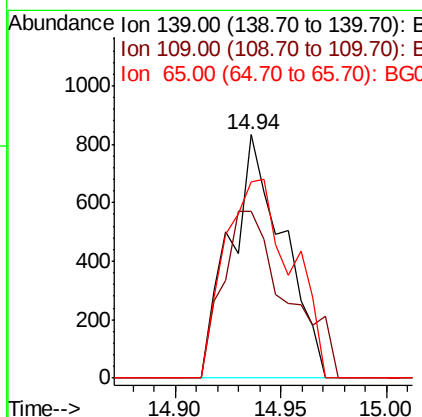
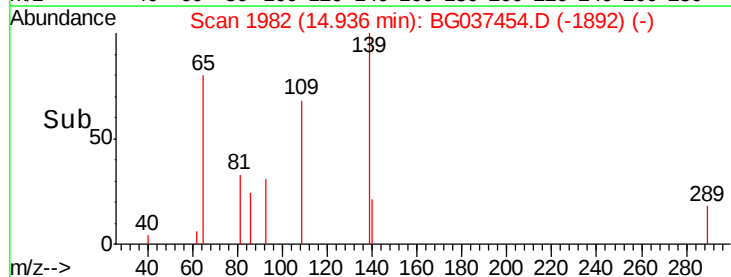
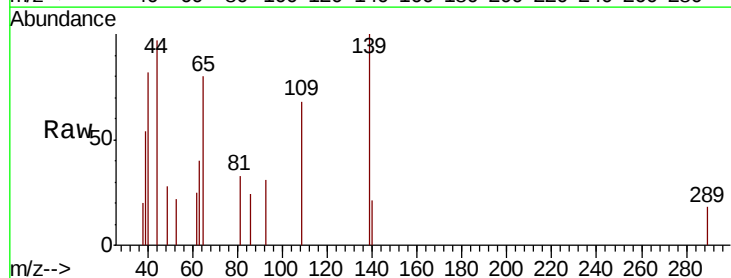
Sohil

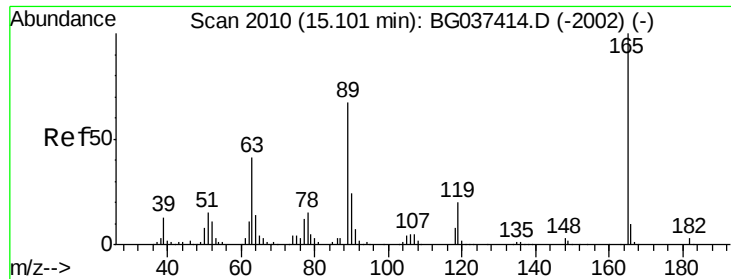
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#56
4-Nitrophenol
Concen: 0.641 ng
RT: 14.94 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:	139	Resp:	1460
Ion Ratio	Lower	Upper	
139	100		
109	68.4	49.5	89.5
65	80.4	76.8	116.8





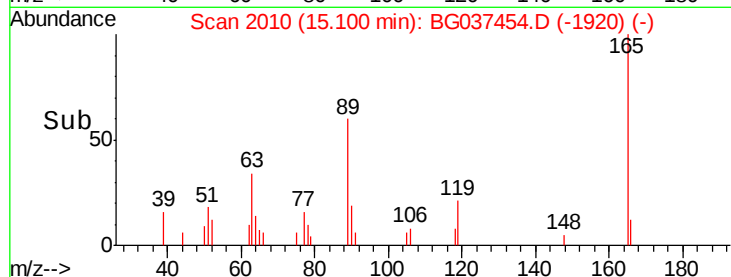
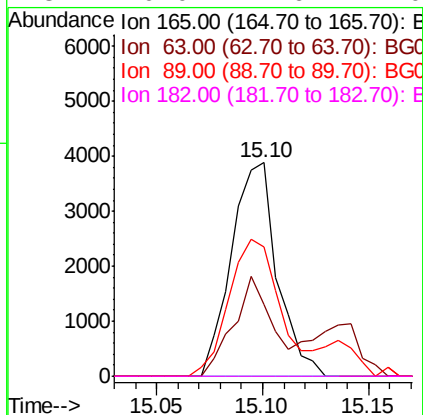
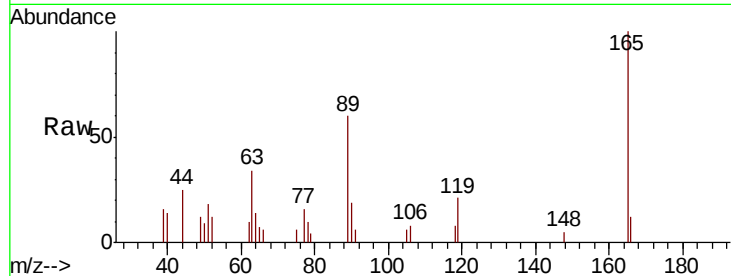
#57
2,4-Dinitrotoluene
Concen: 1.604 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	5837		
63	33.6	33.4	50.0	
89	60.3	57.2	85.8	
182	0.0	2.6	4.0	

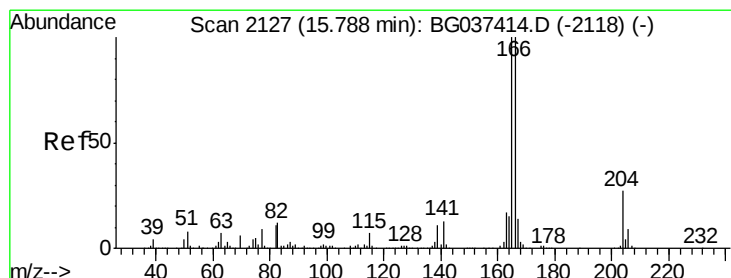
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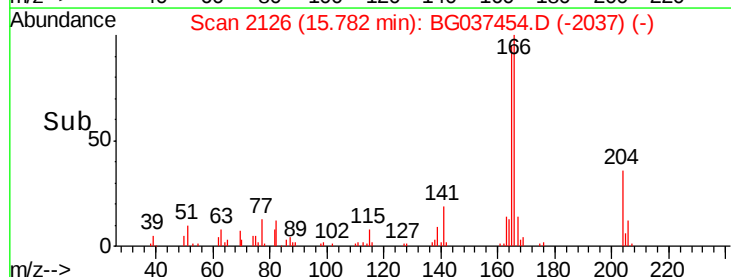
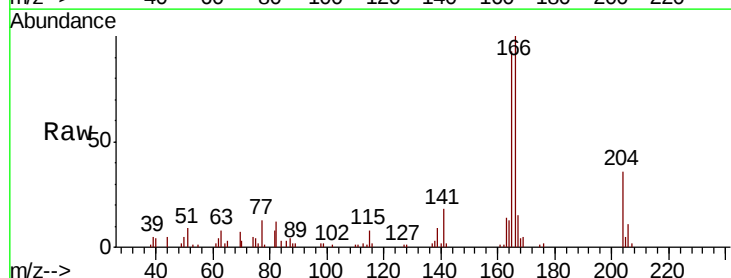
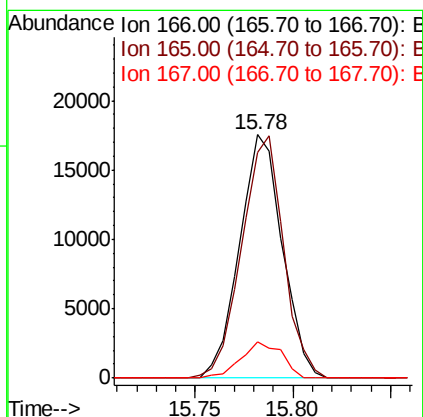
Sohil

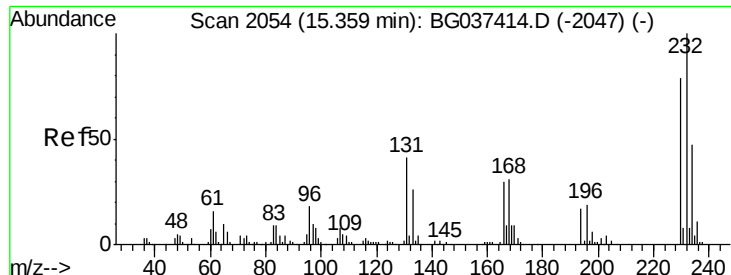
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#58
Fluorene
Concen: 2.286 ng
RT: 15.78 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26661		
165	92.7	79.0	118.6	
167	15.1	11.3	16.9	





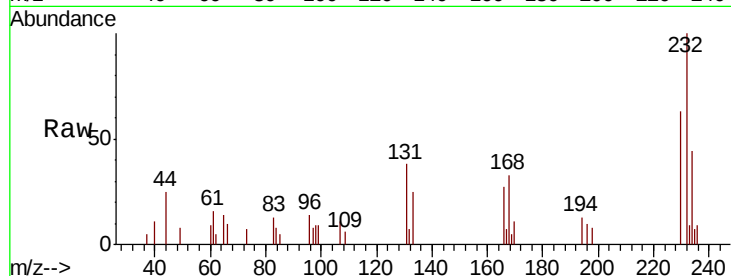
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 1.503 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.6	33.7	50.5
130	0.0	2.1	3.1
166	27.4	24.6	36.8

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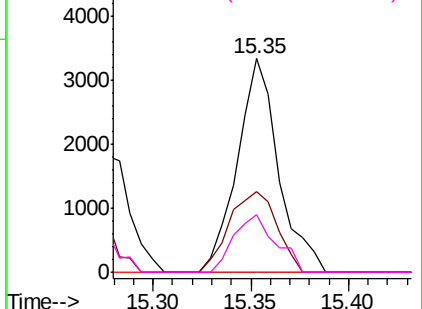
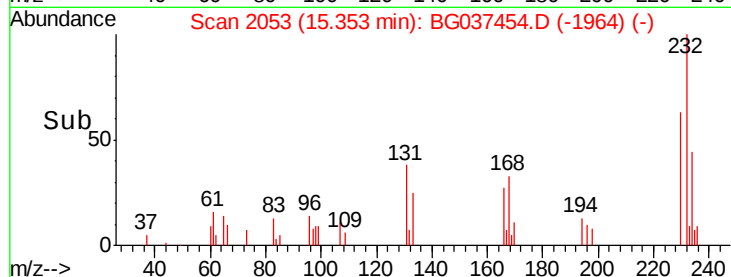
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

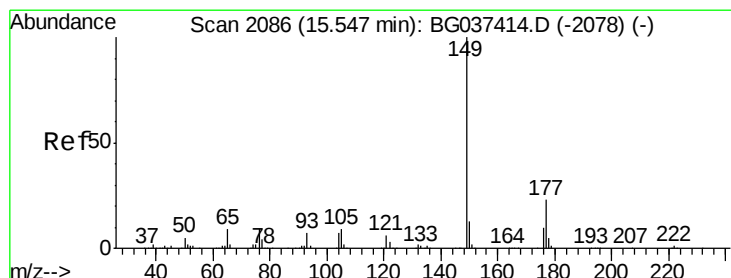
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



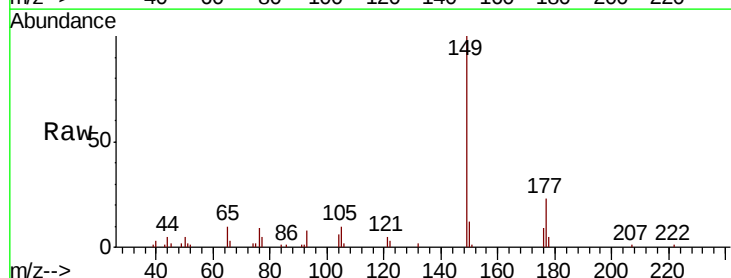
Sohil

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#60
 Diethylphthalate
 Concen: 1.980 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	11.9	10.0	15.0

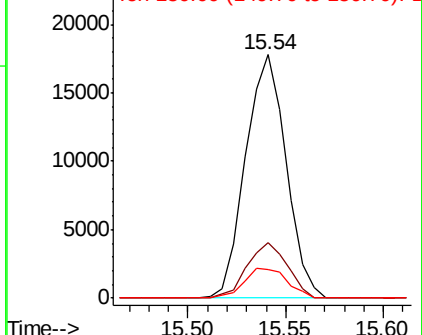
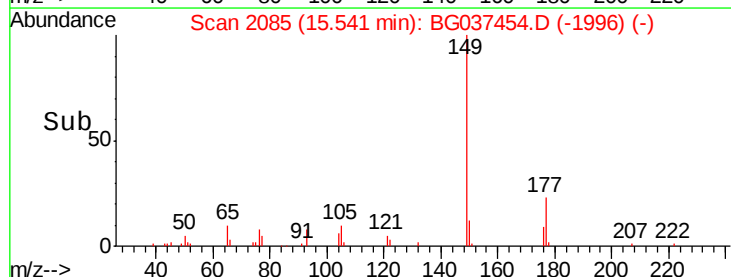


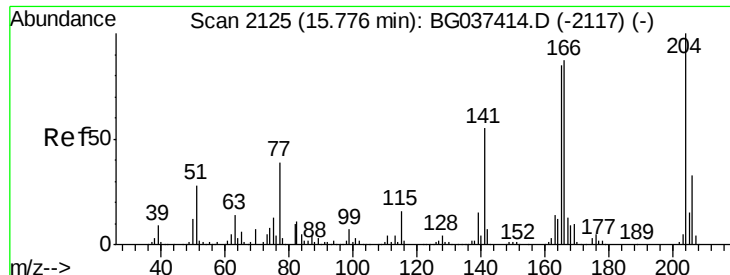
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





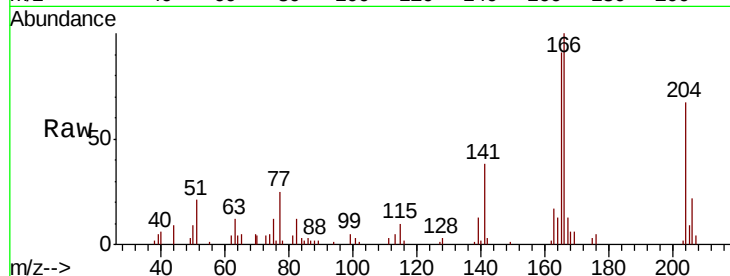
#61
 4-Chlorophenyl-phenylether
 Concen: 1.904 ng
 RT: 15.78 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	39.8
141	57.6	45.4	68.2

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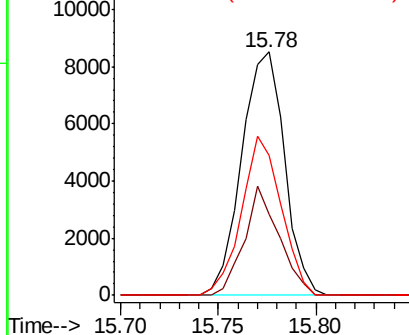


Abundance

Ion 204.00 (203.70 to 204.70): E

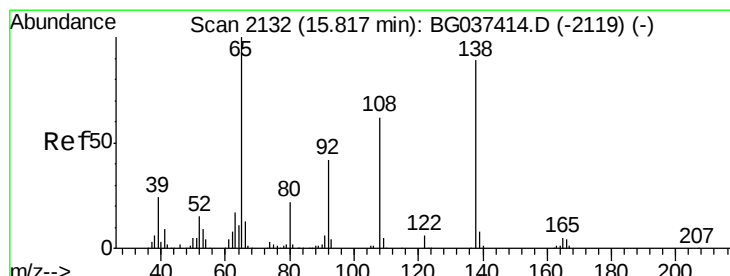
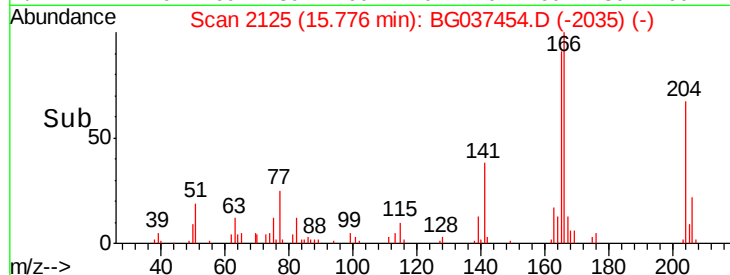
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



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#62
 4-Nitroaniline
 Concen: 1.550 ng
 RT: 15.81 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

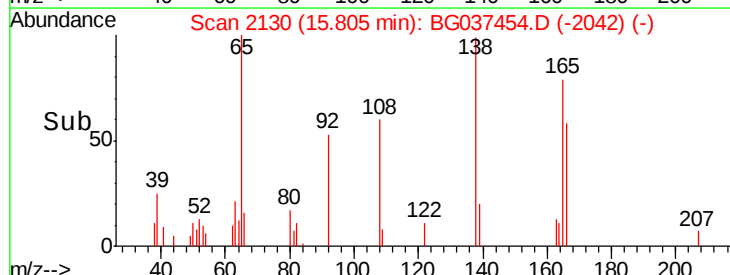
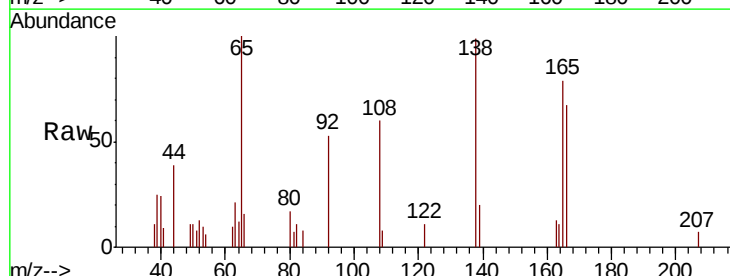
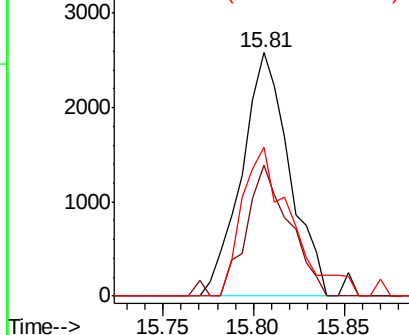
Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.5	36.4	76.4
108	61.0	60.1	100.1

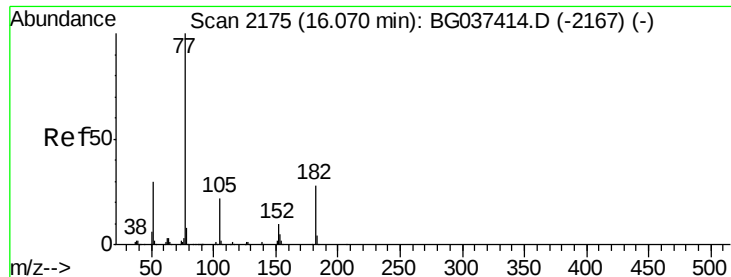
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





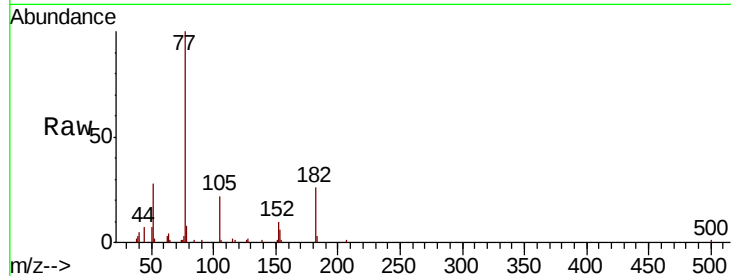
#63
Azobenzene
Concen: 2.068 ng
RT: 16.06 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.0	8.0	48.0
105	21.6	1.3	41.3
51	27.6	10.7	50.7

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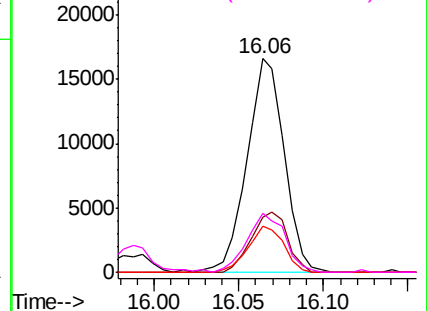


Abundance Ion 77.00 (76.70 to 77.70): BG037454.D (-2167) (-)

Ion 182.00 (181.70 to 182.70): BG037454.D (-2167) (-)

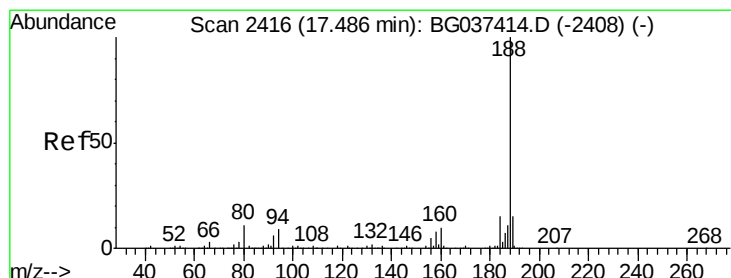
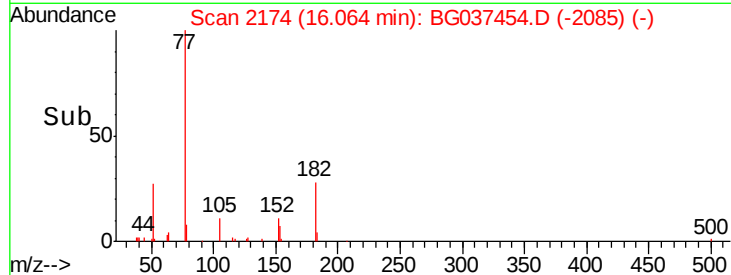
Ion 105.00 (104.70 to 105.70): BG037454.D (-2167) (-)

Ion 51.00 (50.70 to 51.70): BG037454.D (-2167) (-)



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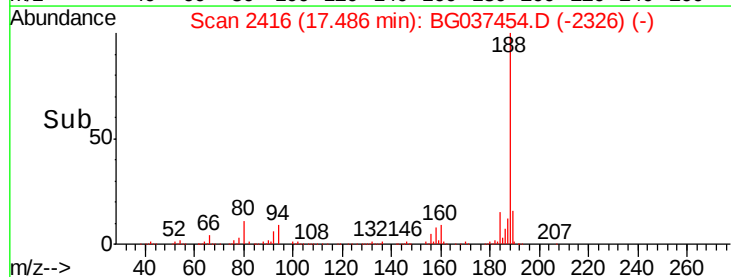
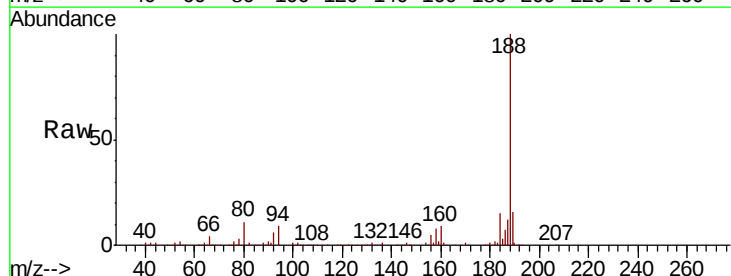
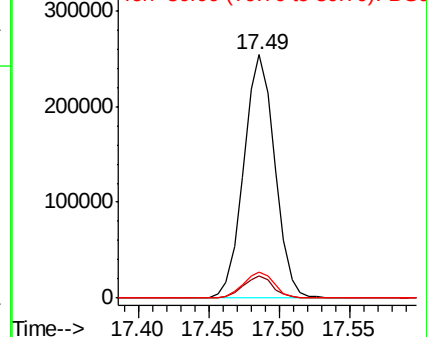
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

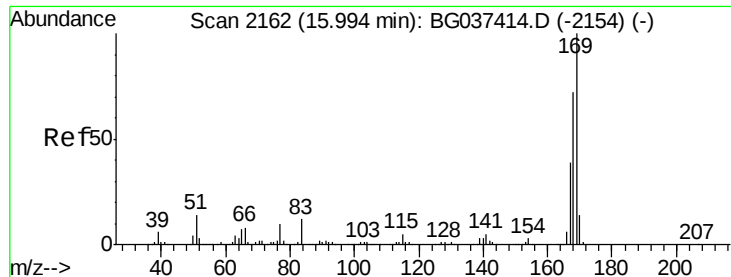
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	10.5	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): BG037414.D (-2408) (-)

Ion 94.00 (93.70 to 94.70): BG037414.D (-2408) (-)

Ion 80.00 (79.70 to 80.70): BG037414.D (-2408) (-)





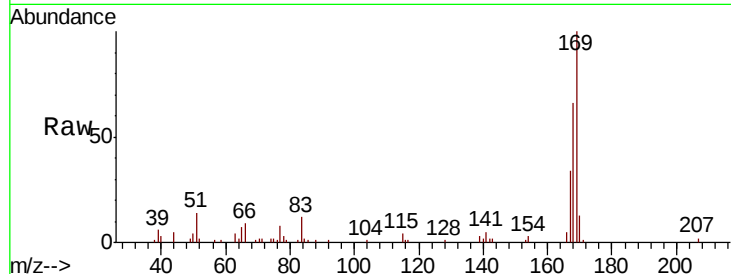
#66
 n-Nitrosodiphenylamine
 Concen: 1.931 ng
 RT: 15.99 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.2	55.7	83.5
167	34.0	31.3	46.9

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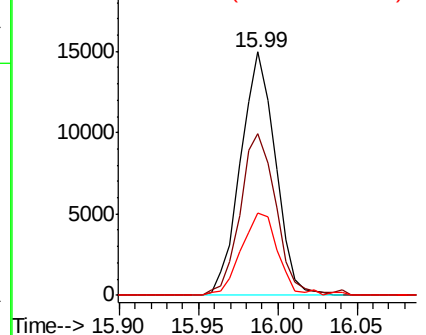


Abundance

Ion 169.00 (168.70 to 169.70): E

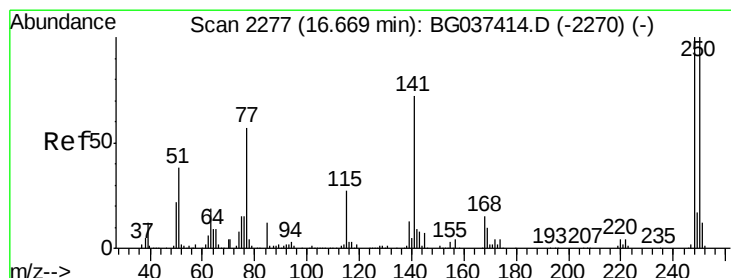
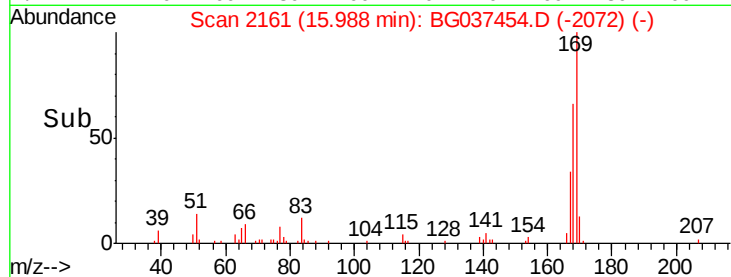
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



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#67
 4-Bromophenyl-phenylether
 Concen: 1.981 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

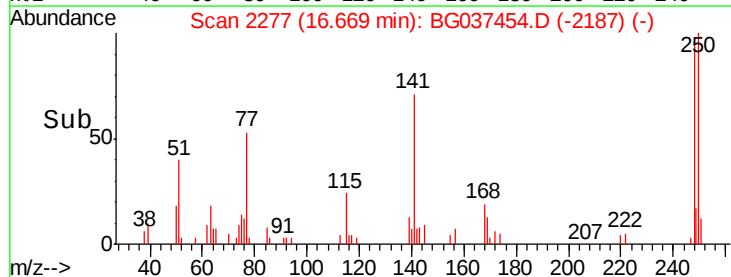
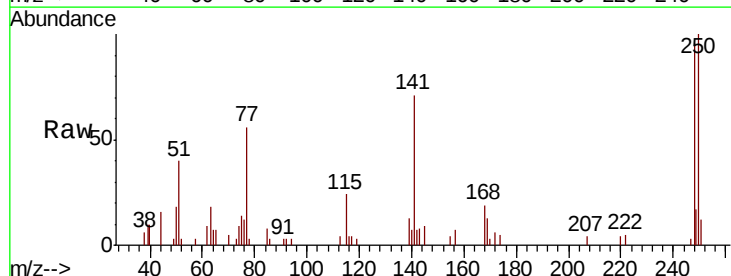
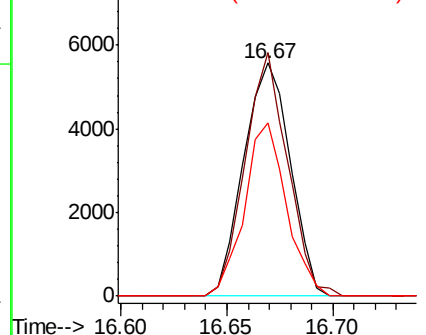
Tgt Ion	Ratio	Lower	Upper
248	100		
250	104.6	77.0	115.6
141	74.4	55.5	83.3

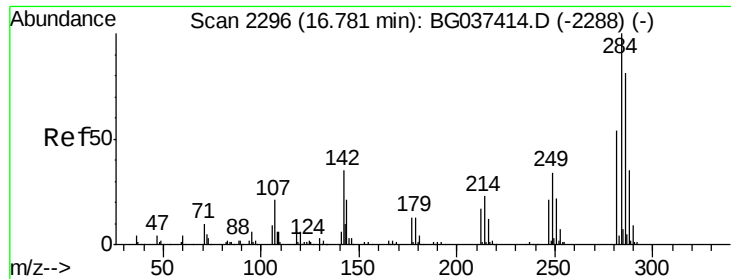
Abundance

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





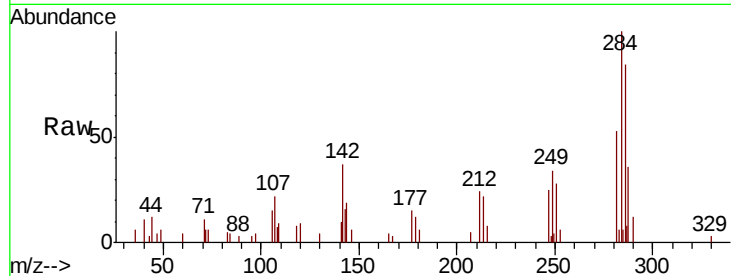
#68
Hexachlorobenzene
Concen: 1.850 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

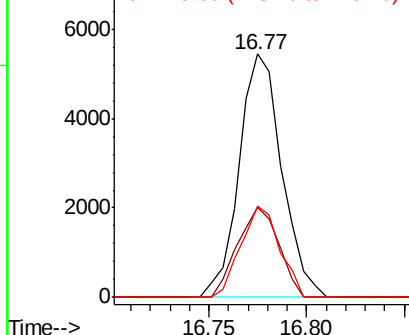
Tgt Ion	Ratio	Lower	Upper
284	100		
142	52.7	28.1	42.1
249	37.4	29.8	44.8

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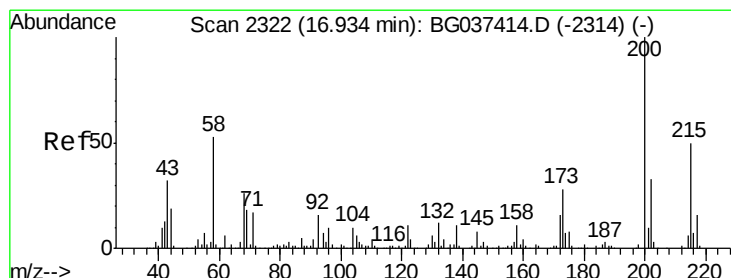
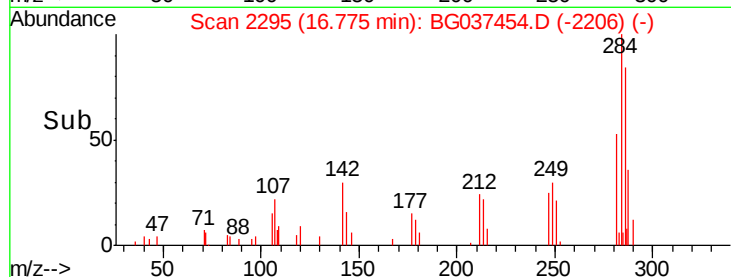


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



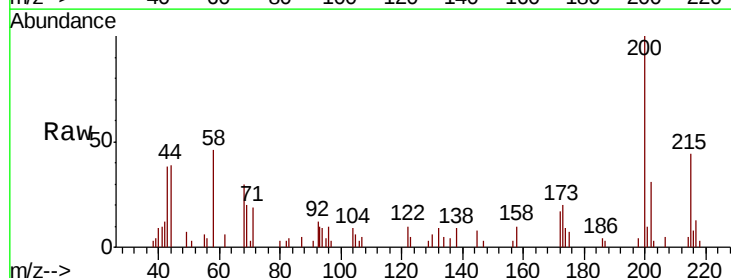
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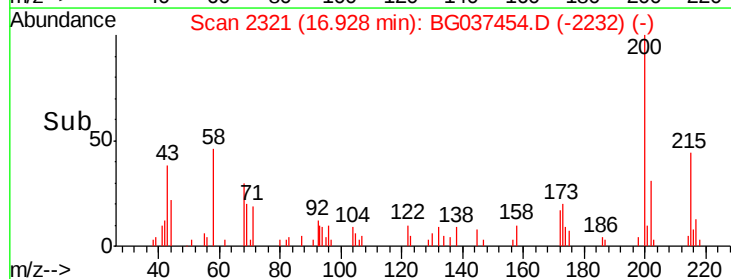
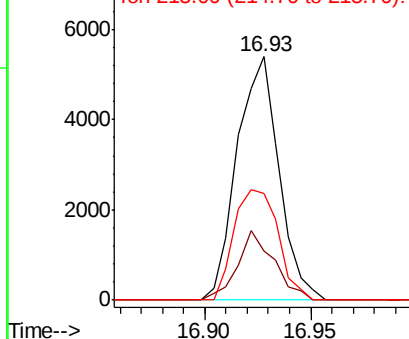


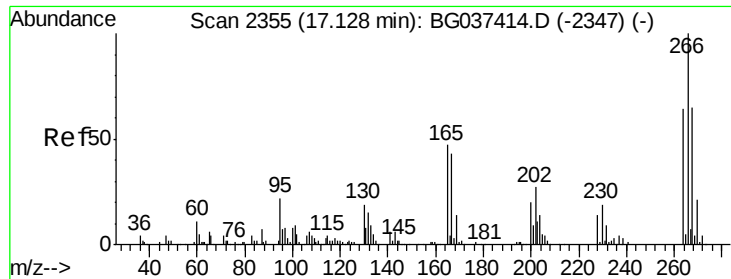
#69
Atrazine
Concen: 1.740 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
200	100		
173	20.0	6.1	46.1
215	43.8	30.8	70.8



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





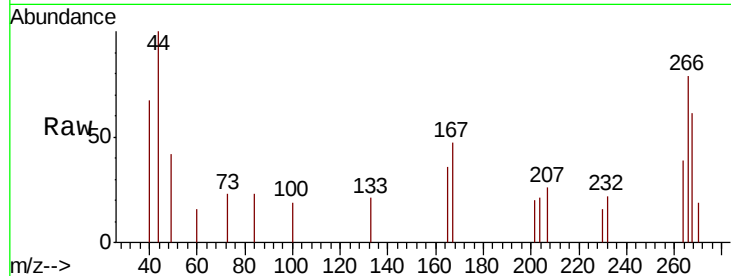
#70
 Pentachlorophenol
 Concen: 0.490 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

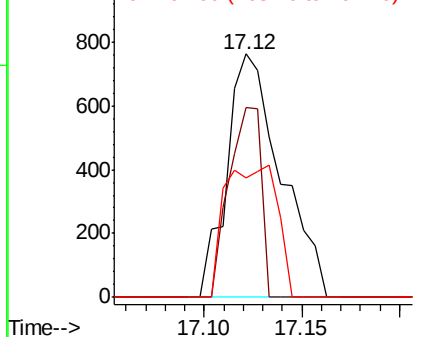
Tgt Ion	Ratio	Lower	Upper
266	100		
268	77.9	55.0	82.6
264	48.9	58.9	88.3

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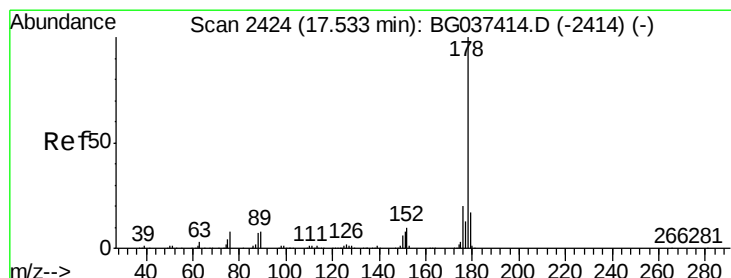
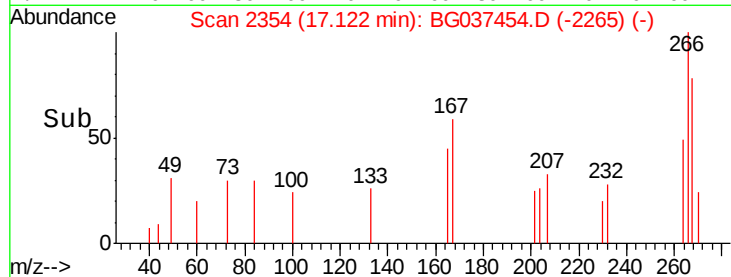


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



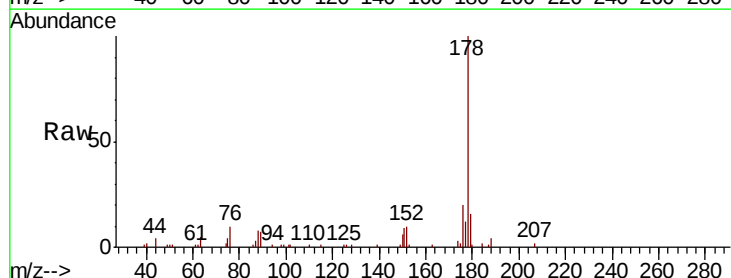
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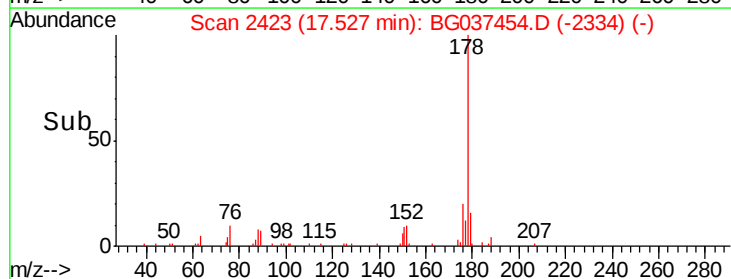
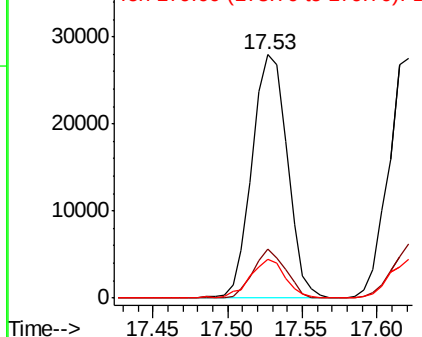


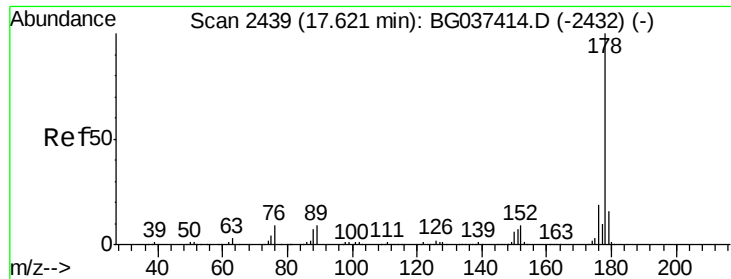
#71
 Phenanthrene
 Concen: 2.301 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.1	24.1
179	15.7	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: 2.235 ng m

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

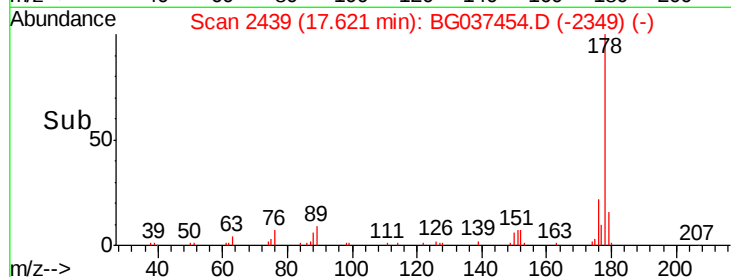
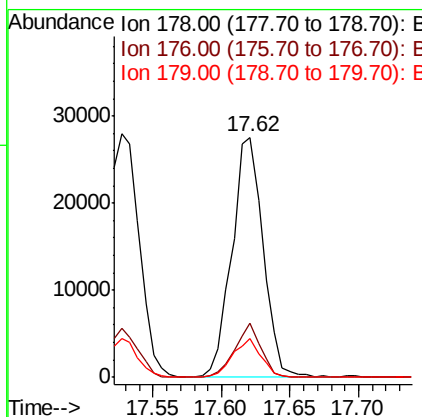
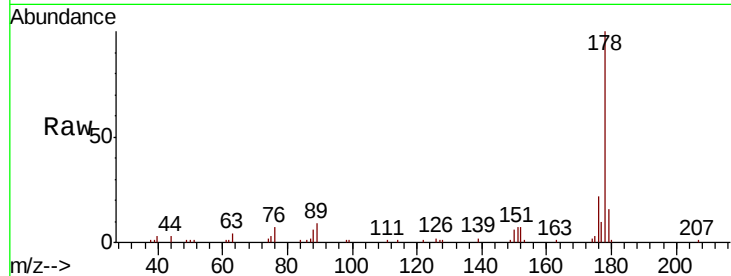
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.0	22.4#
179	15.9	12.8	19.2

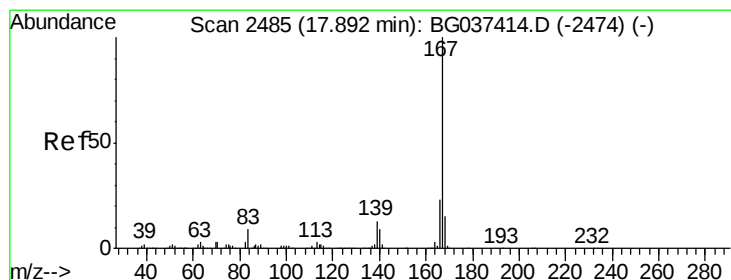
Manual Integrations
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#73

Carbazole

Concen: 1.780 ng

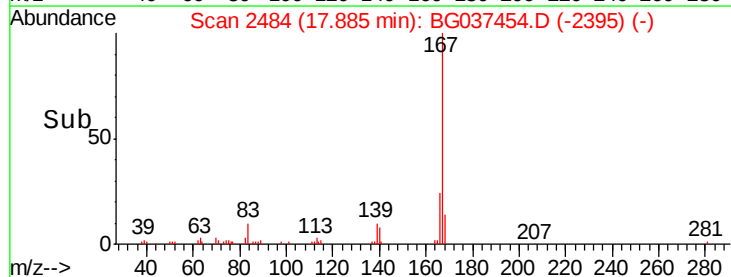
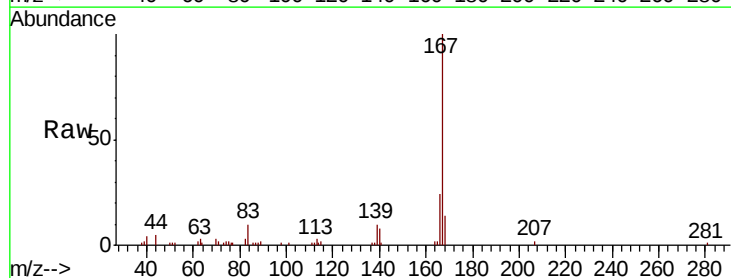
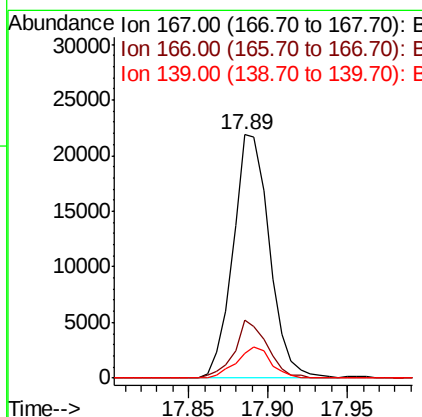
RT: 17.89 min Scan# 2484

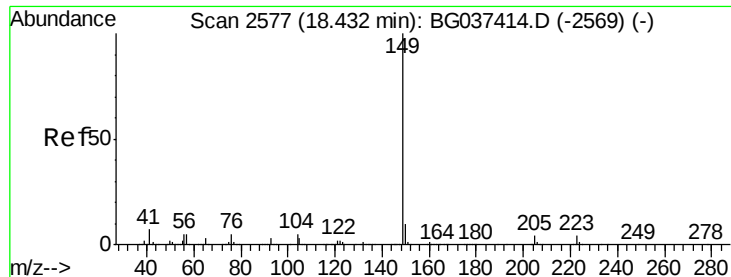
Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.3	27.5
139	10.0	10.5	15.7#





#74

Di-n-butylphthalate

Concen: 1.809 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

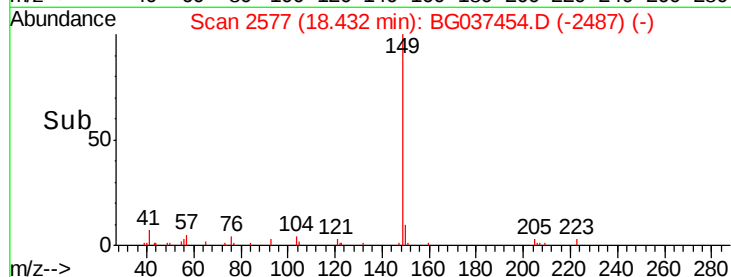
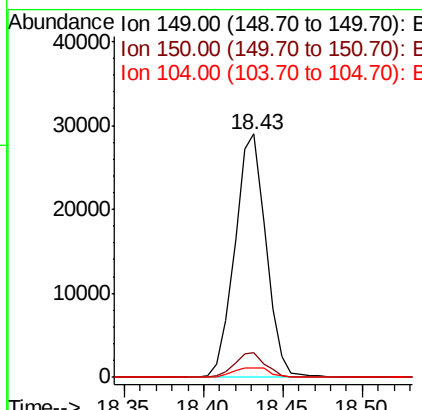
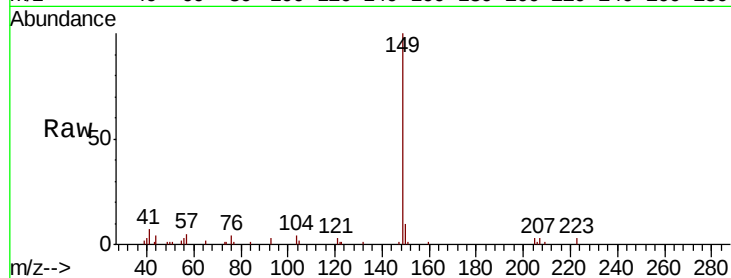
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	149	Resp:	39304
Ion Ratio	Lower	Upper	
149	100		
150	10.3	8.2	12.2
104	3.9	4.0	6.0

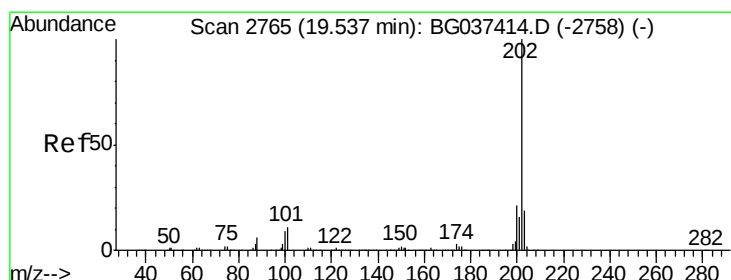
Manual Integrations
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10/22/2018 3:39:13 PM



#75

Fluoranthene

Concen: 2.140 ng

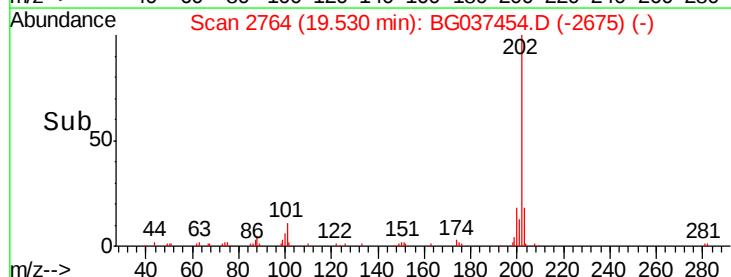
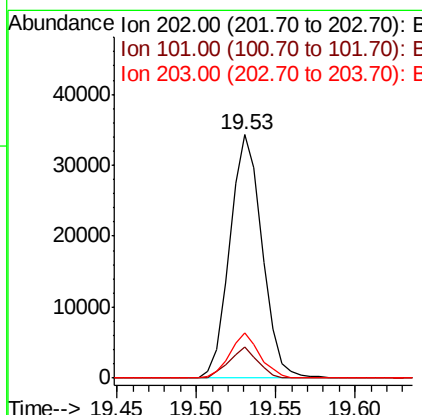
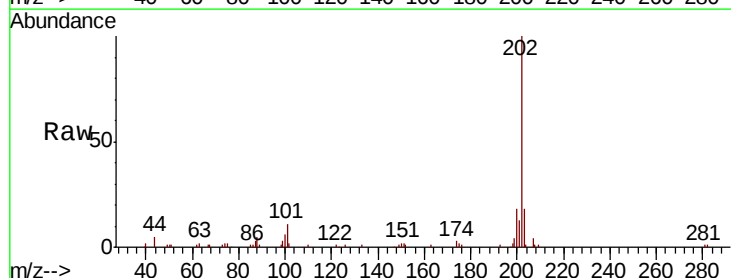
RT: 19.53 min Scan# 2764

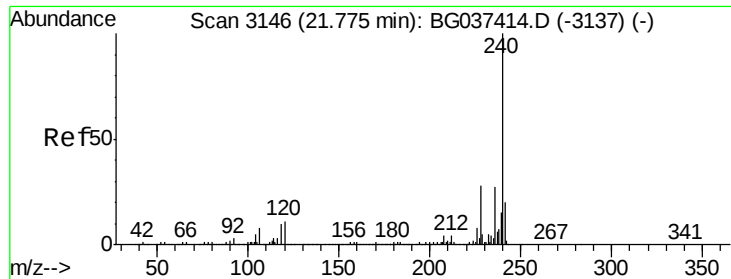
Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	202	Resp:	48300
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	30.7
203	18.4	0.0	38.5





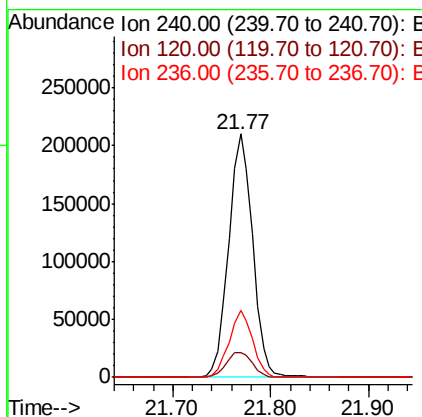
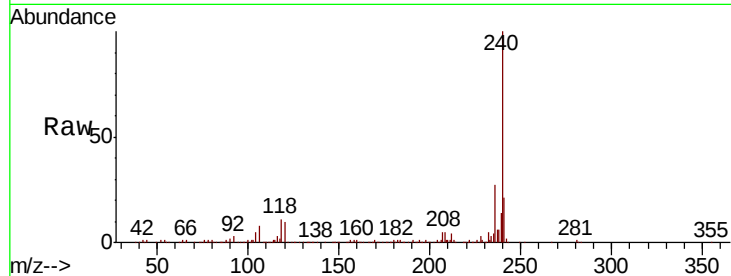
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	360291		
120	10.3	8.1	12.1	
236	27.3	21.4	32.0	

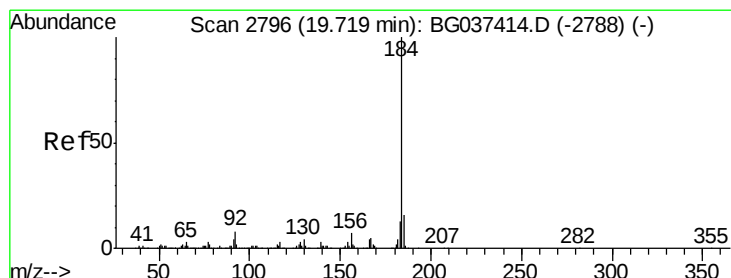
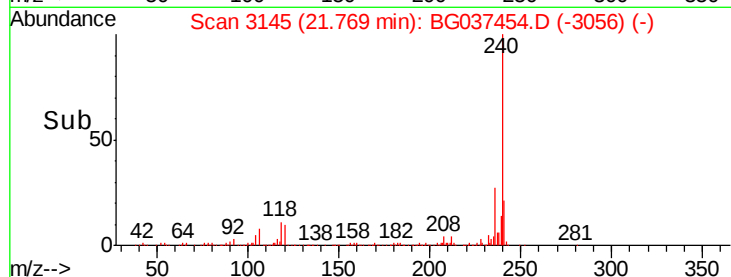
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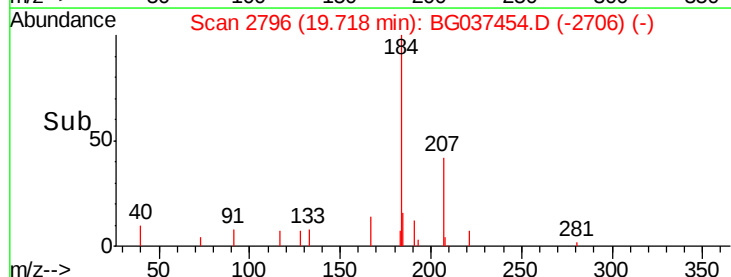
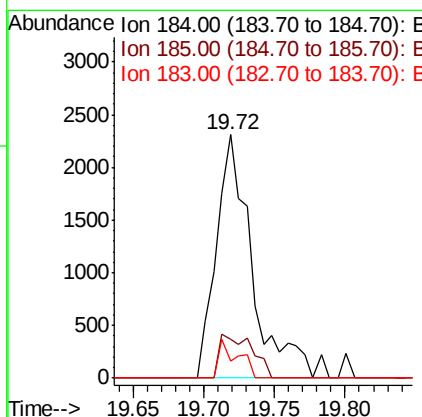
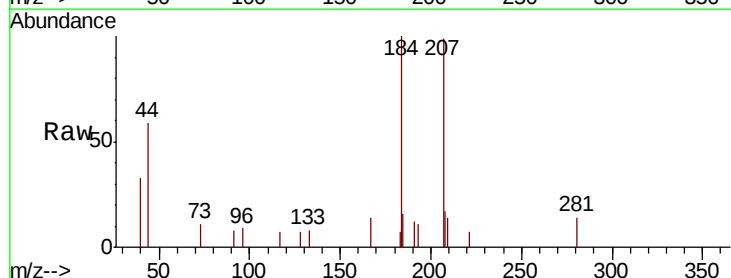
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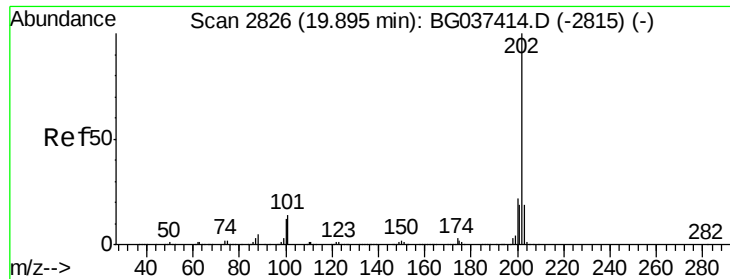
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#77
Benzidine
Concen: 0.337 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	4123		
185	16.2	12.6	18.8	
183	7.1	10.2	15.2#	





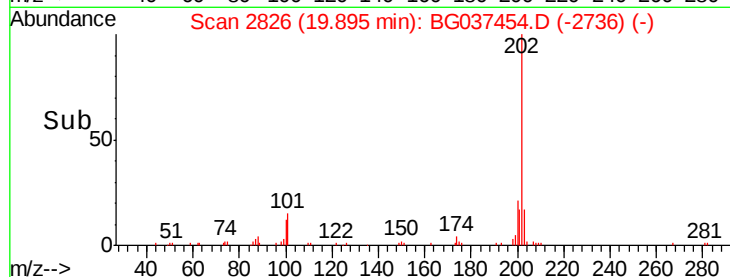
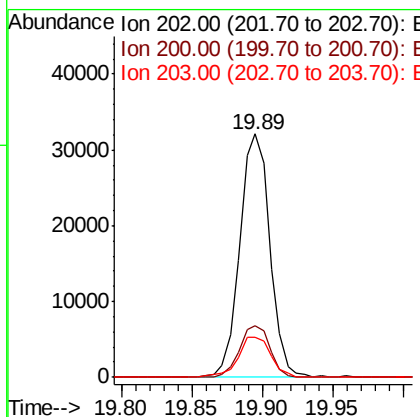
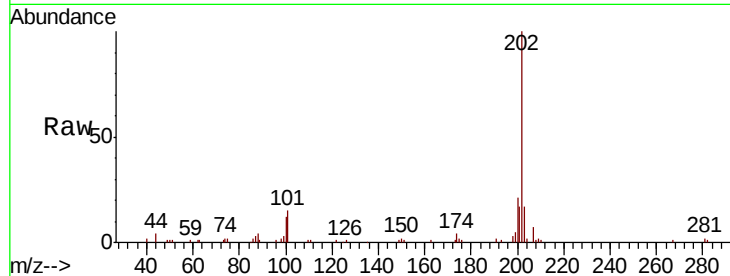
#78
 Pyrene
 Concen: 2.029 ng
 RT: 19.89 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	16.6	15.2	22.8

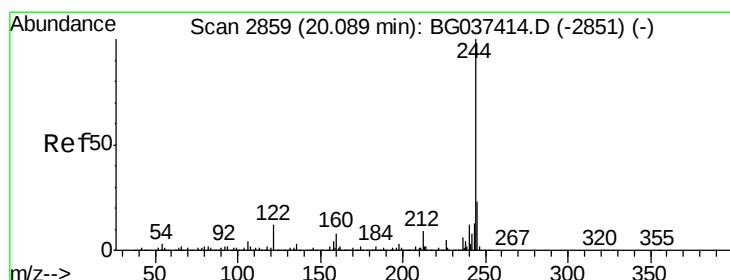
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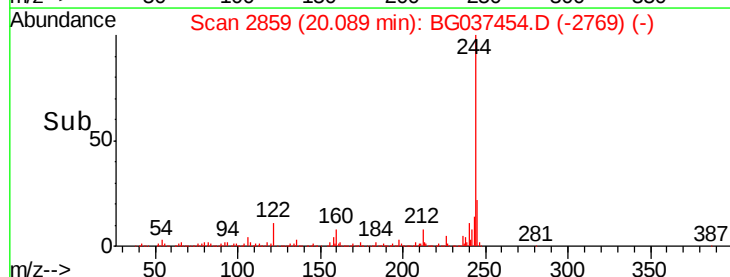
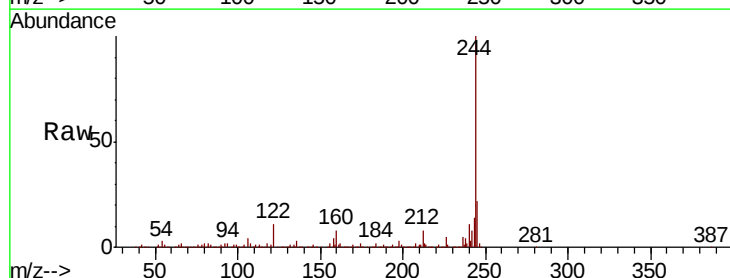
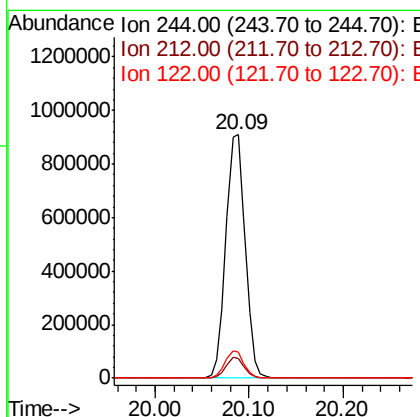
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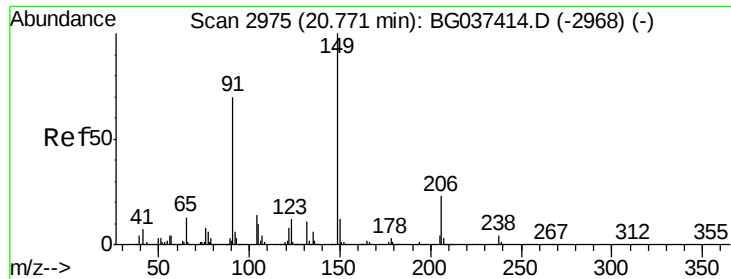
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#79
 Terphenyl-d14
 Concen: 77.293 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.8	9.0	13.4





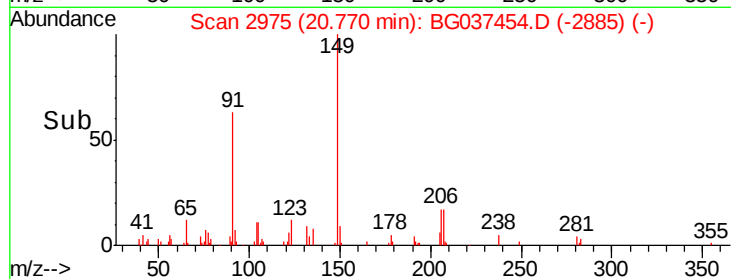
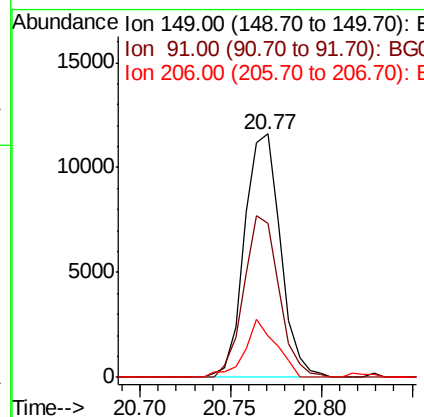
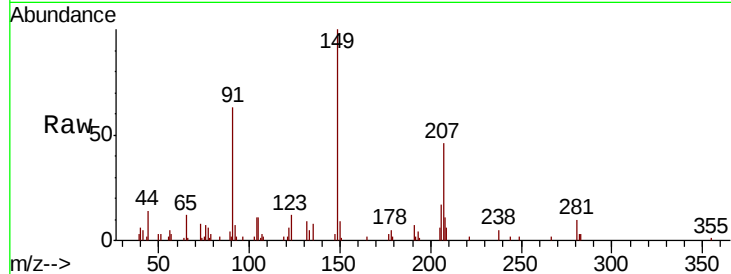
#80
Butylbenzylphthalate
Concen: 1.657 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	63.1	57.0	85.4
206	16.9	17.8	26.6

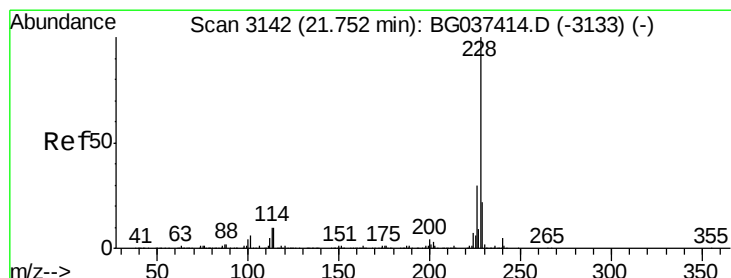
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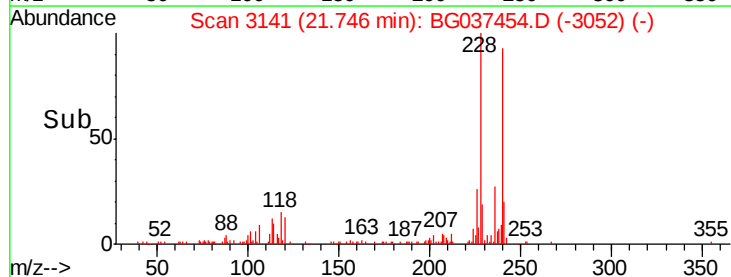
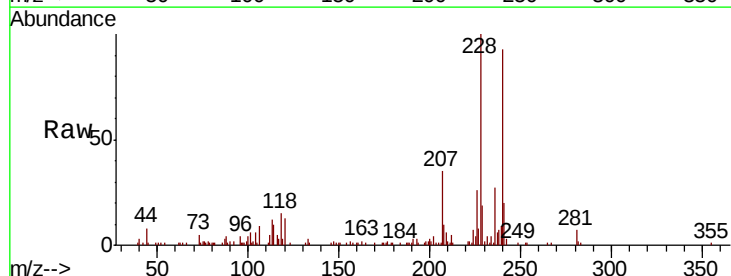
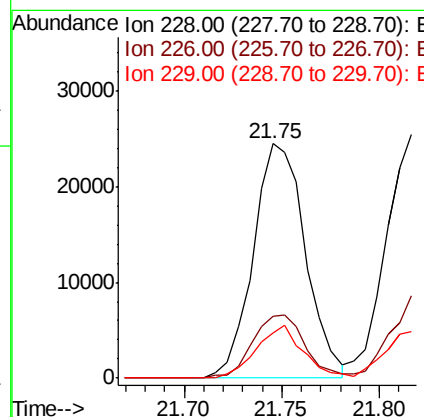
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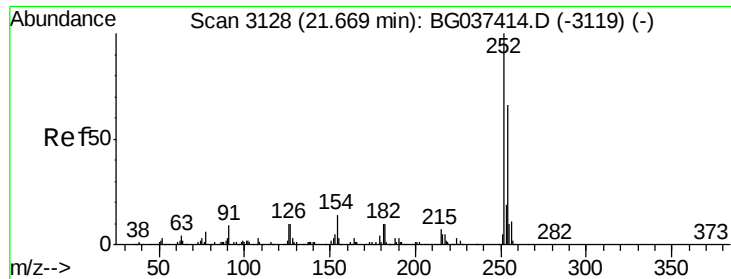
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#81
Benzo(a)anthracene
Concen: 2.118 ng
RT: 21.75 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.2	22.6	33.8
229	19.3	16.3	24.5





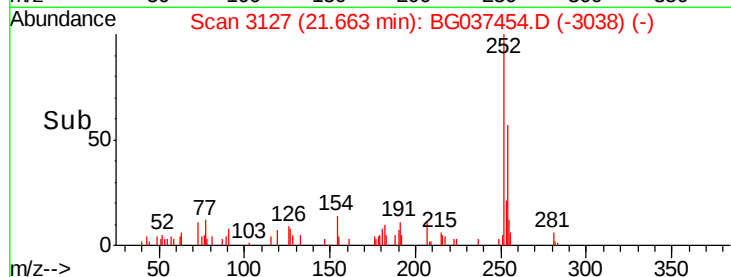
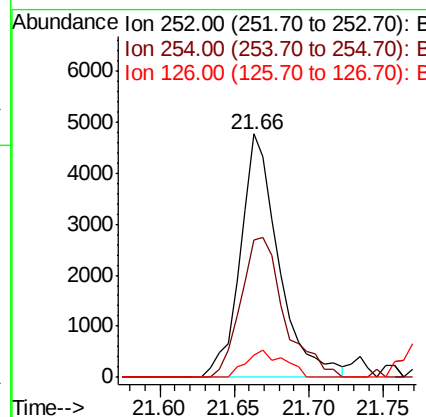
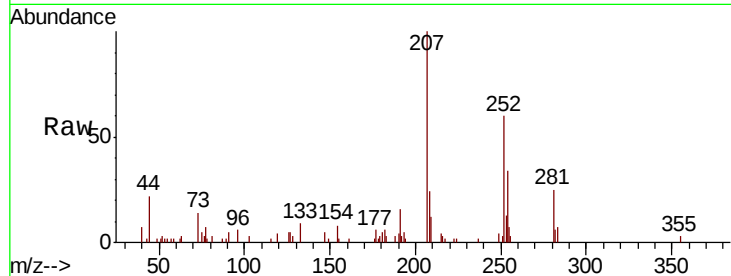
#82
 3,3'-Dichlorobenzidine
 Concen: 1.030 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
254	56.6	52.0	78.0
126	8.9	8.2	12.4

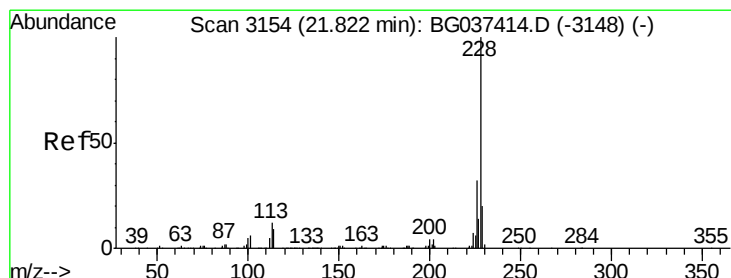
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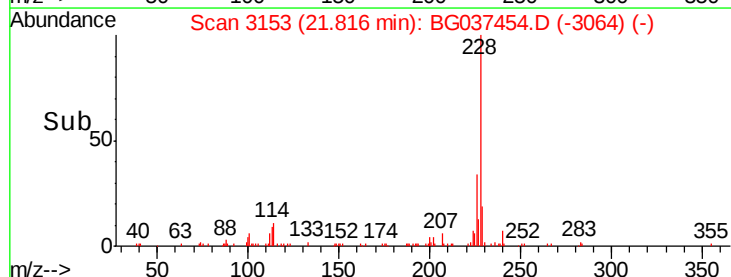
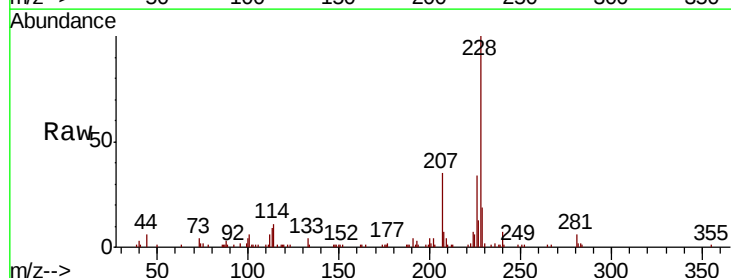
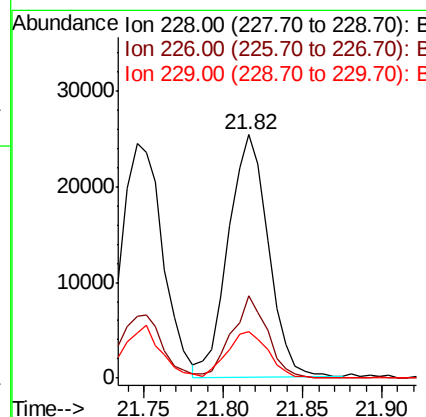
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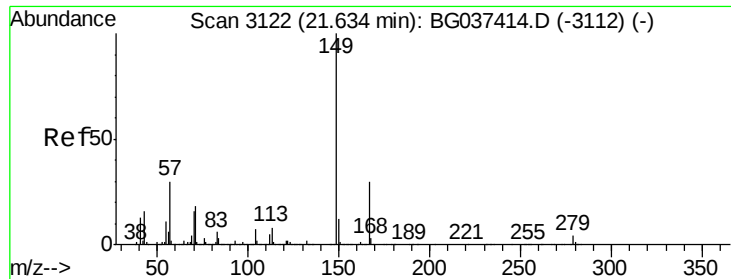
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#83
 Chrysene
 Concen: 2.148 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.7	38.5
229	18.9	16.5	24.7





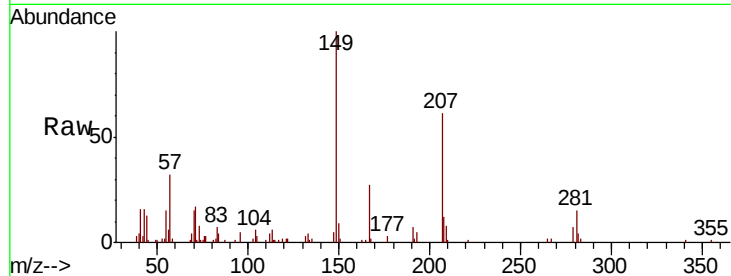
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.489 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	23.0	34.4
279	6.7	3.6	5.4#

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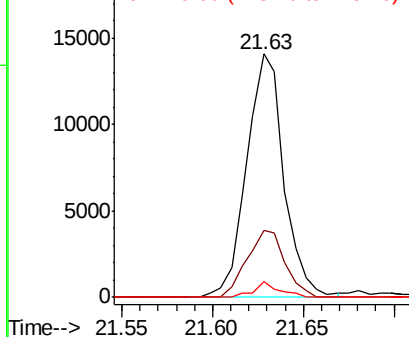


Abundance

Ion 149.00 (148.70 to 149.70): E

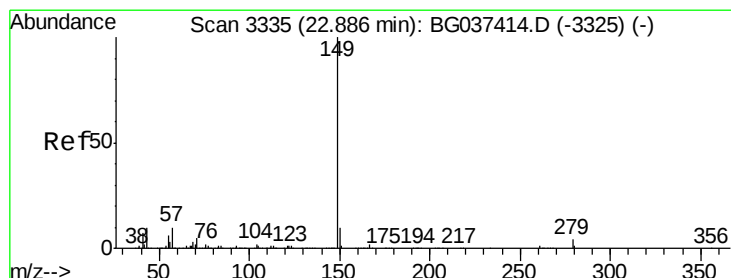
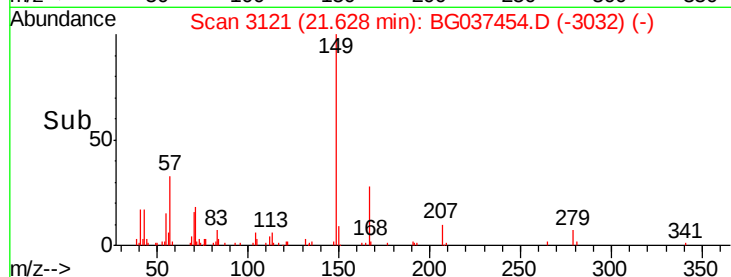
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



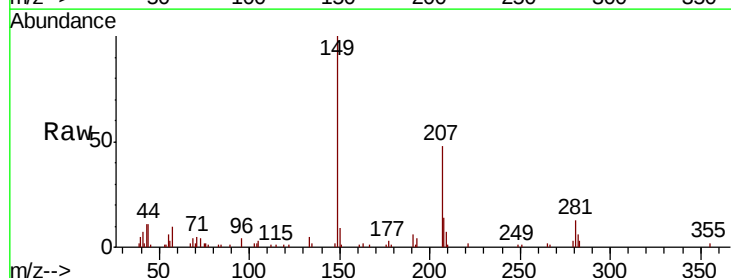
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#85
 Di-n-octyl phthalate
 Concen: 1.416 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.9	1.3	1.9#
43	12.3	8.7	13.1

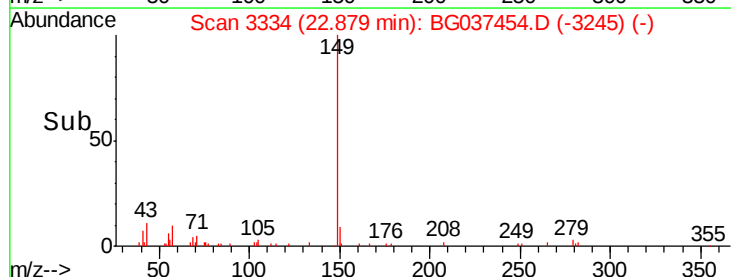
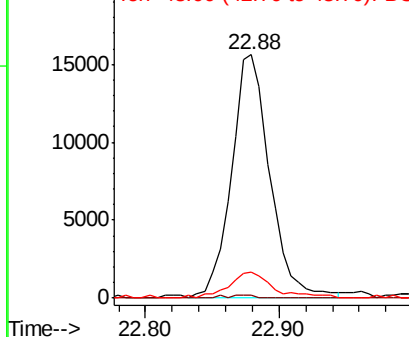


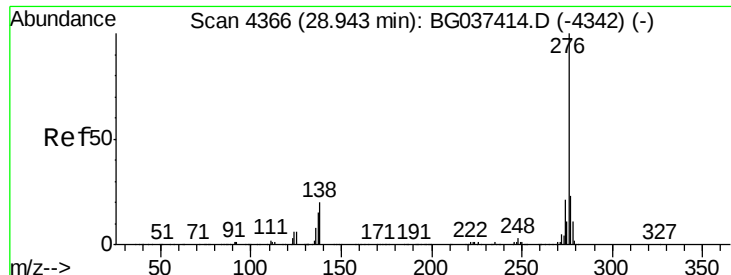
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGO





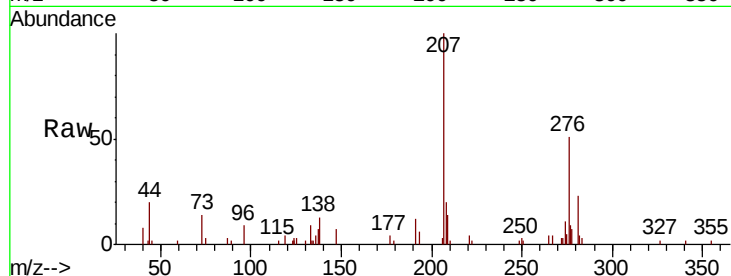
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.427 ng m
 RT: 28.93 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.7	12.0	18.0#
277	0.0	20.6	30.8#

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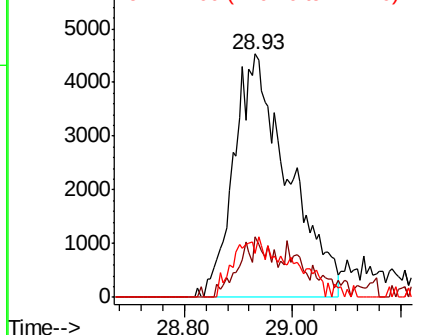


Abundance

Ion 276.00 (275.70 to 276.70): E

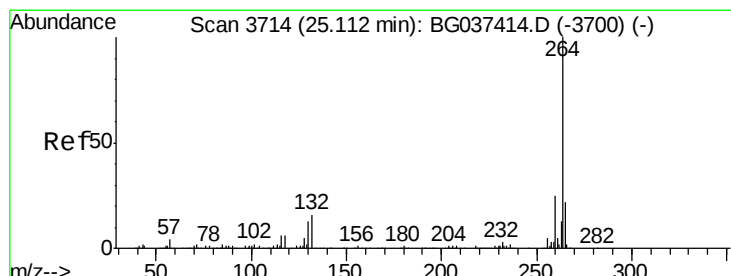
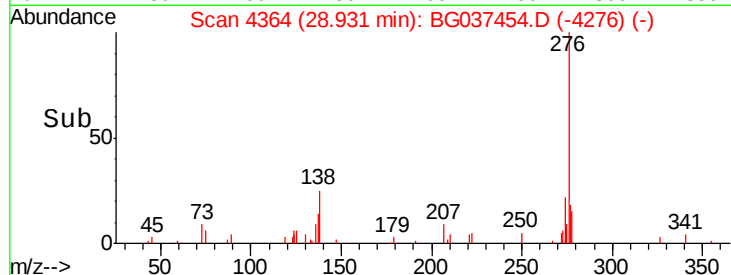
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

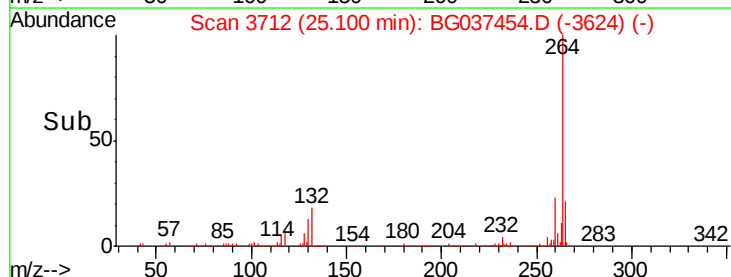
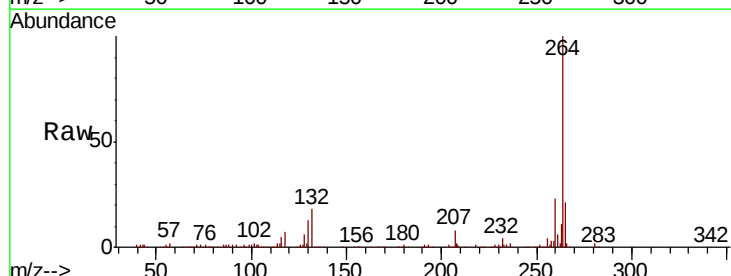
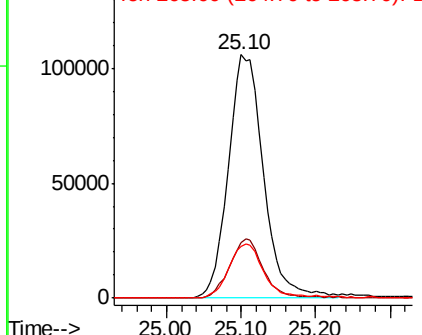
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	21.4	17.9	26.9

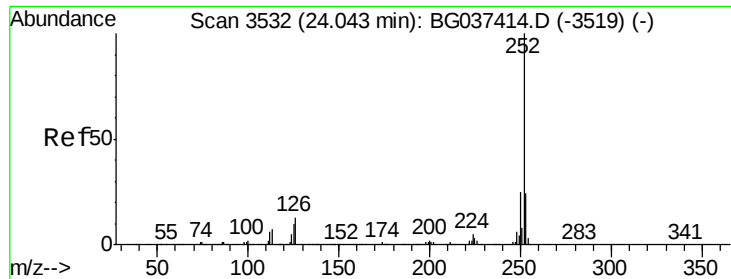
Abundance

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





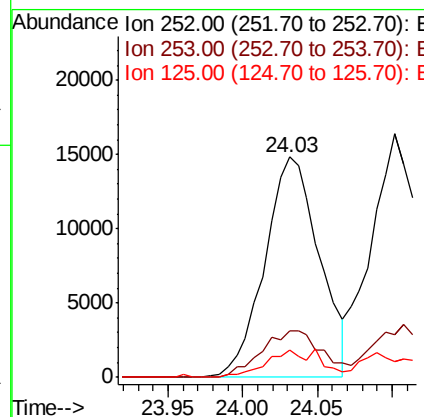
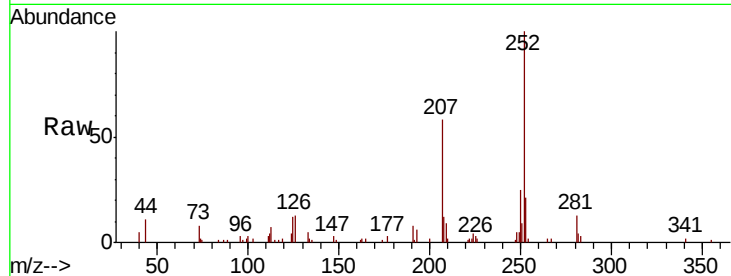
#88
Benzo(b)fluoranthene
Concen: 1.981 ng
RT: 24.03 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	12.3	7.8	11.6

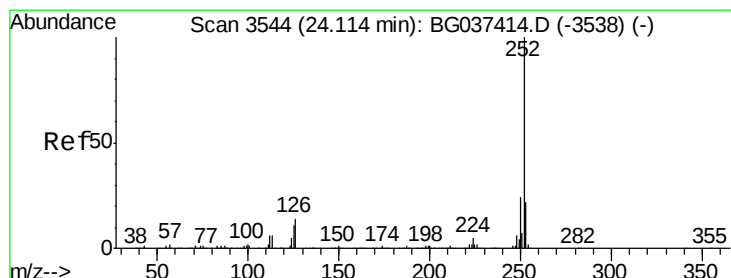
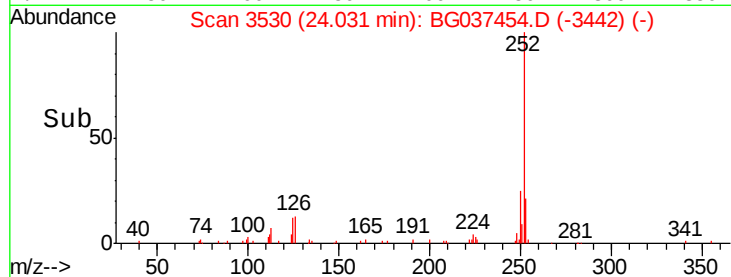
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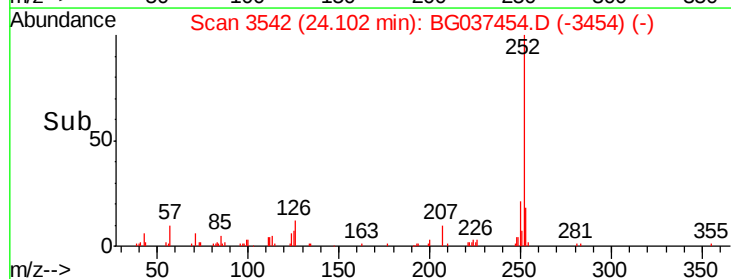
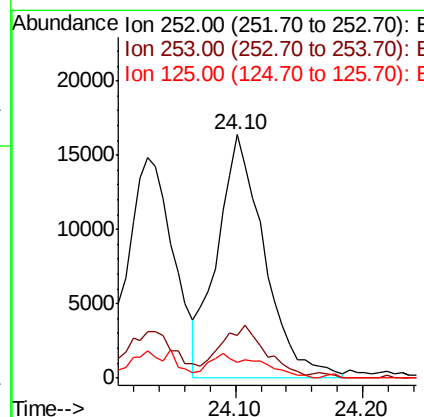
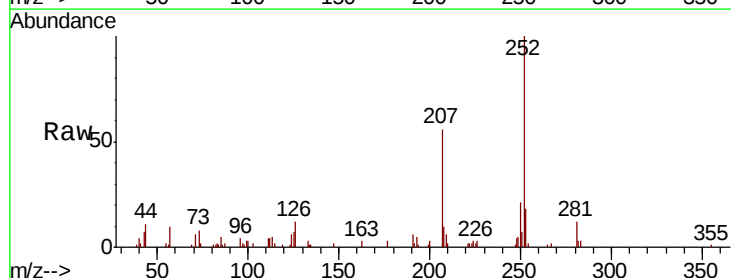
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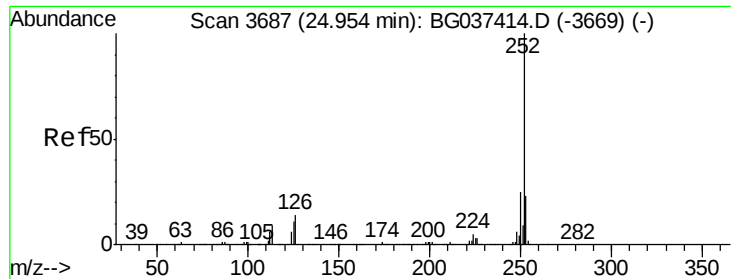
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#89
Benzo(k)fluoranthene
Concen: 2.263 ng m
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.5	17.4	26.2
125	6.6	7.4	11.0





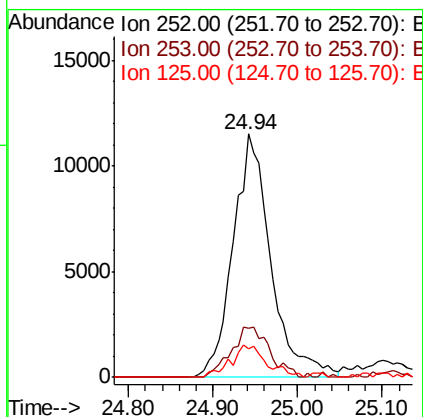
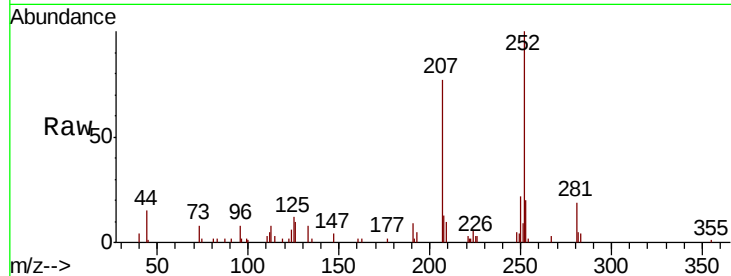
#90
Benzo(a)pyrene
Concen: 1.973 ng
RT: 24.94 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.2
125	11.9	9.0	13.6

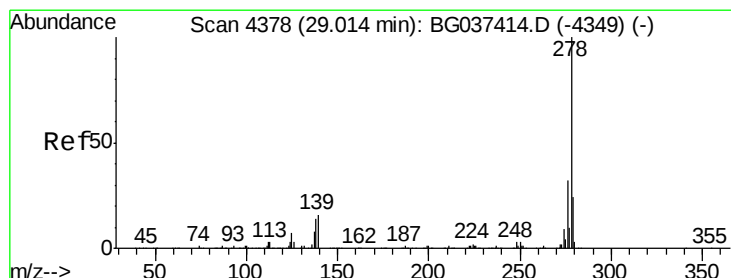
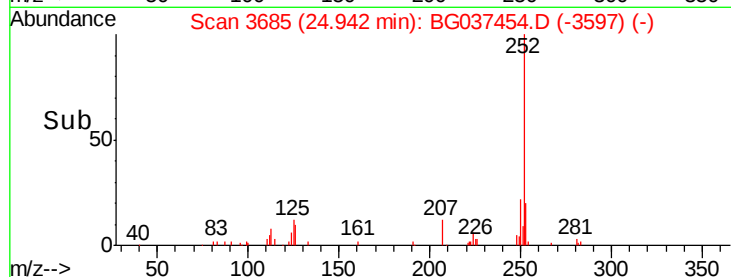
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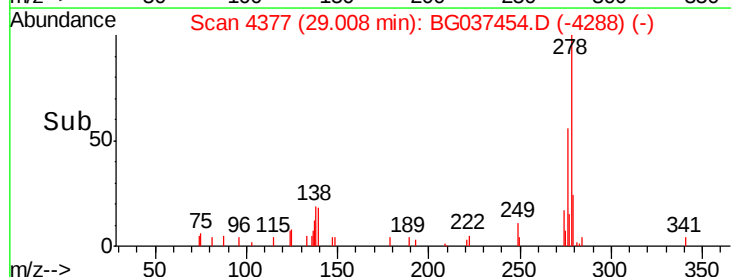
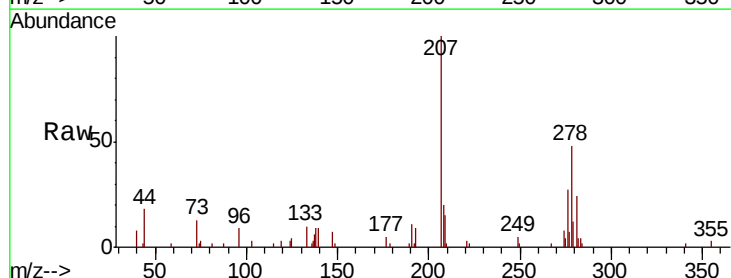
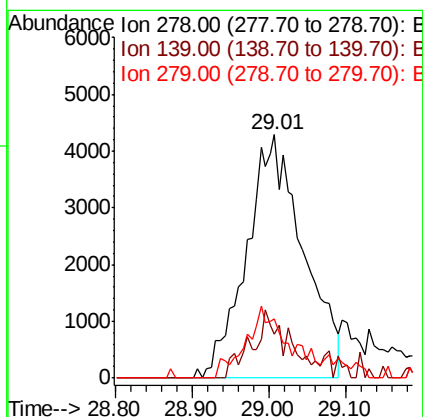
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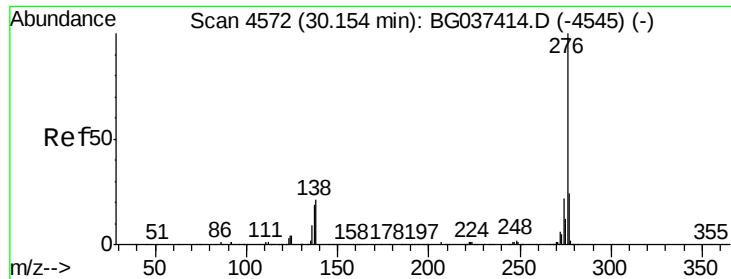
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#91
Dibenzo(a,h)anthracene
Concen: 1.316 ng
RT: 29.01 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.5	17.3#
279	24.1	18.6	27.8





#92

Benzo(g,h,i)perylene

Concen: 1.675 ng

RT: 30.12 min Scan# 4566

Delta R.T. -0.04 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

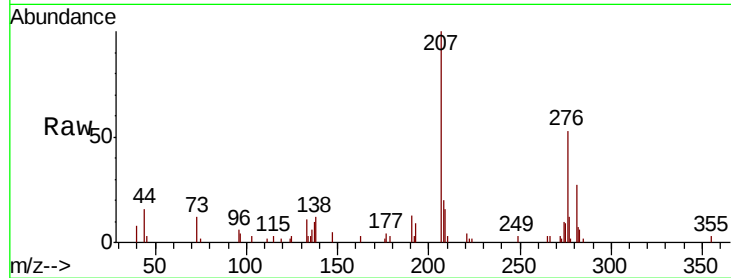
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	276	Resp:	28305
Ion Ratio		Lower	Upper
276	100		
277	22.4	18.9	28.3
138	22.2	17.2	25.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:13 PM

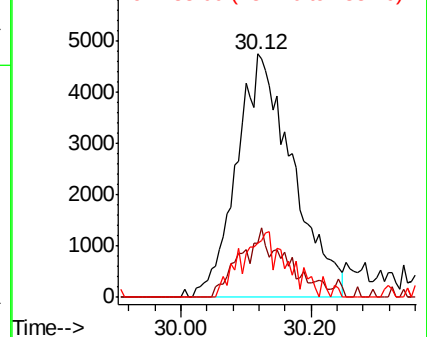
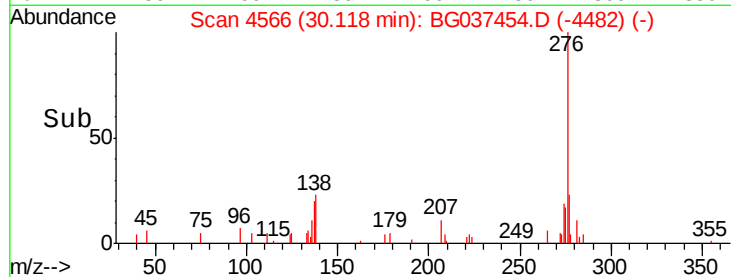


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Sohil

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