

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037424.D
 Acq On : 18 Oct 2018 17:58
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 19 07:53:45 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

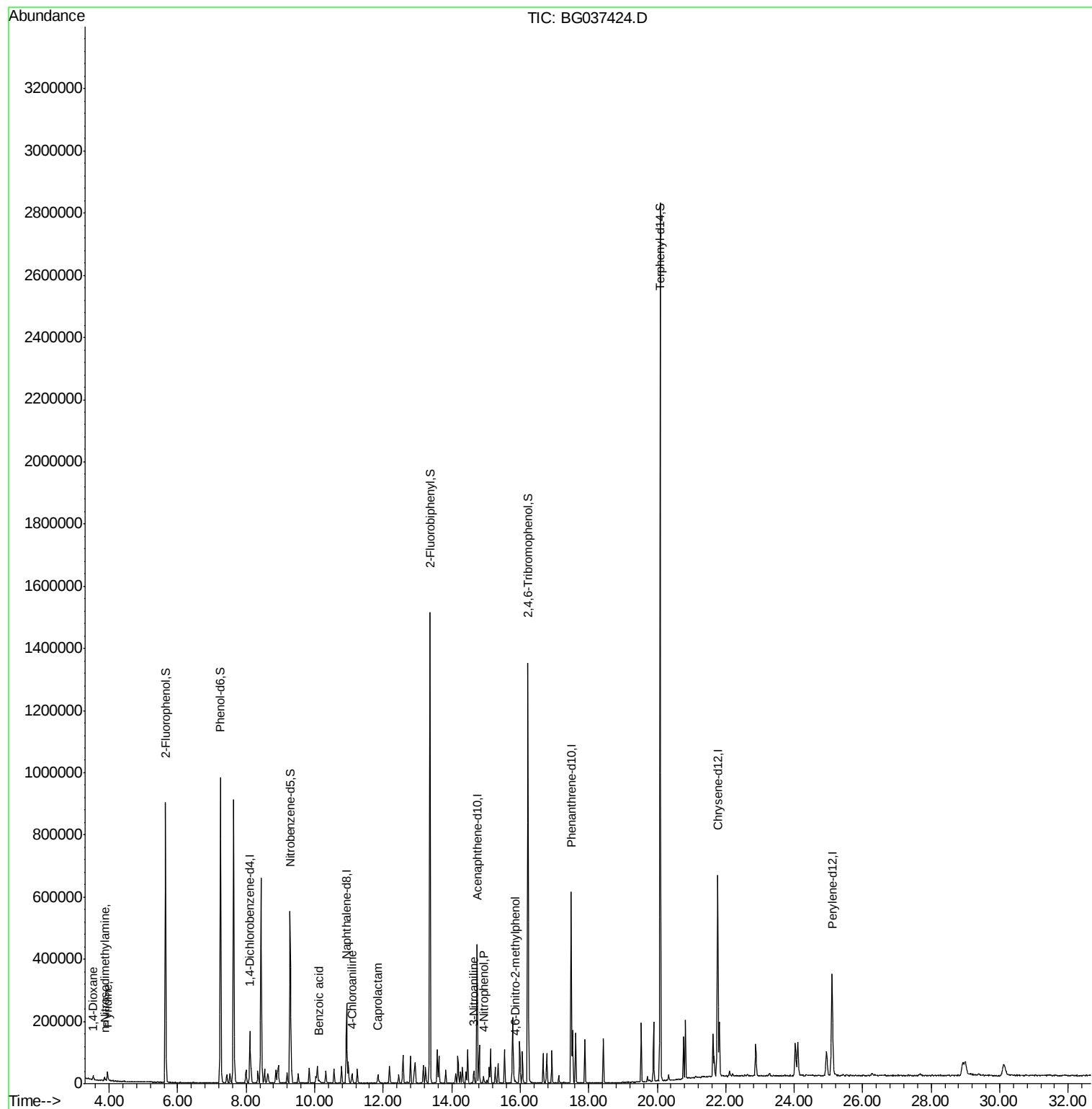
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	49244	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	233457	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	154222	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	384995	20.00	ng	0.00
76) Chrysene-d12	21.77	240	362068	20.00	ng	0.00
87) Perylene-d12	25.11	264	366074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	419780	142.52	ng	0.00
7) Phenol-d6	7.24	99	611802	137.36	ng	0.00
23) Nitrobenzene-d5	9.28	82	345697	82.95	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	240411	142.92	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	838482	81.98	ng	0.00
79) Terphenyl-d14	20.09	244	1337937	78.96	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.54	88	6672	4.467	ng	# 81
3) Pyridine	3.95	79	17974	4.774	ng	# 90
4) n-Nitrosodimethylamine	3.87	42	7782	5.803	ng	# 96
32) Benzoic acid	10.12	122	2523	1.115	ng	# 84
33) 4-Chloroaniline	11.09	127	17495	3.247	ng	# 95
35) Caprolactam	11.84	113	6685	4.299	ng	# 76
53) 3-Nitroaniline	14.65	138	11182	3.816	ng	# 93
56) 4-Nitrophenol	14.93	139	6918	3.190	ng	# 84
65) 4,6-Dinitro-2-methylphenol	15.85	198	2595	9.564	ng	# 95

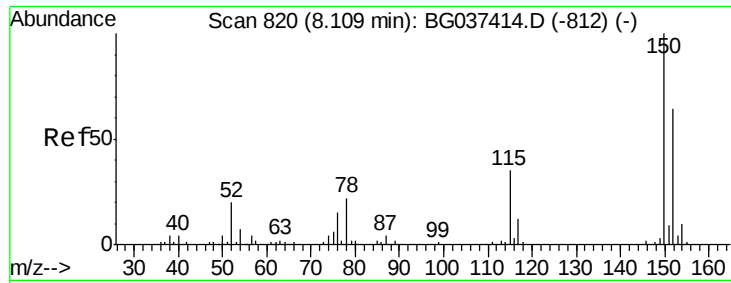
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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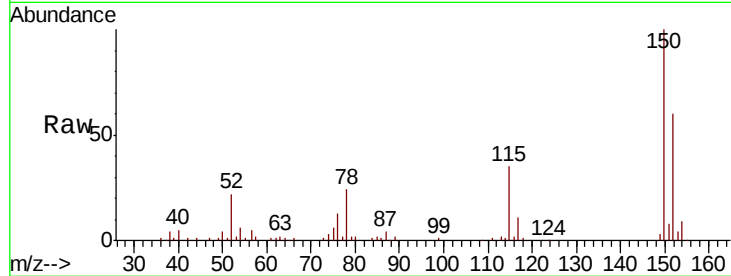


#1

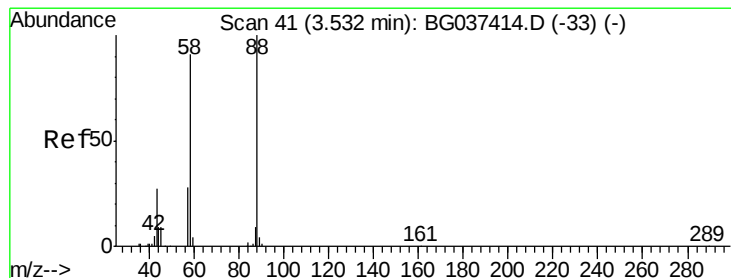
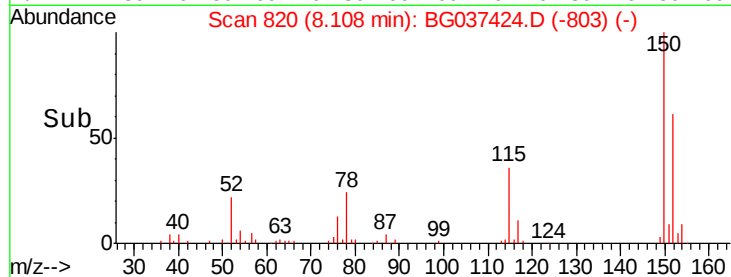
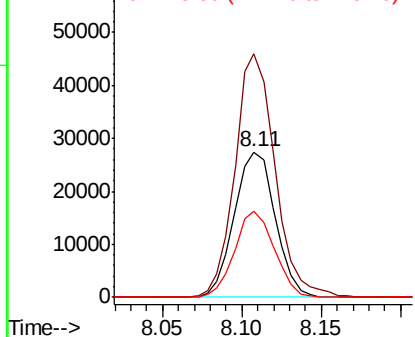
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

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

Tot Ion:152 Resp: 49244
Ion Ratio Lower Upper
152 100
150 167.2 126.0 189.0
115 59.1 45.5 68.3



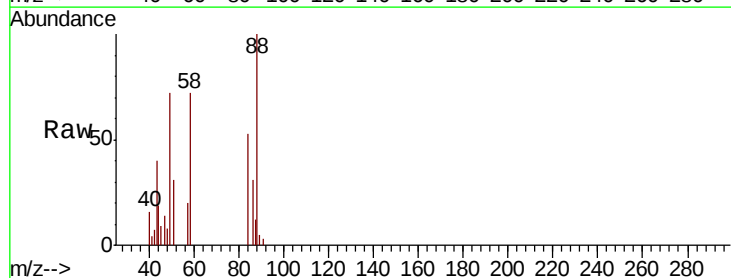
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



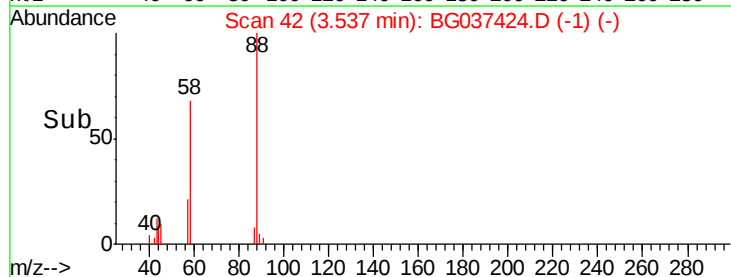
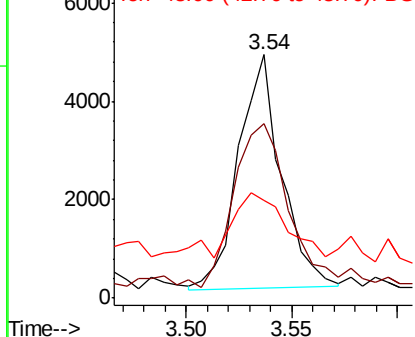
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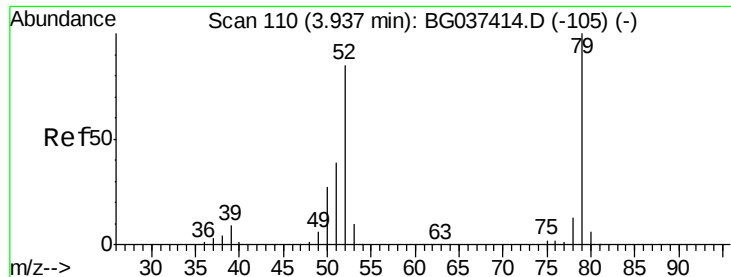
1,4-Dioxane
Concen: 4.467 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion: 88 Resp: 6672
Ion Ratio Lower Upper
88 100
58 114.0 74.4 111.6#
43 38.0 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

Pvridine

Concen: 4.774 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

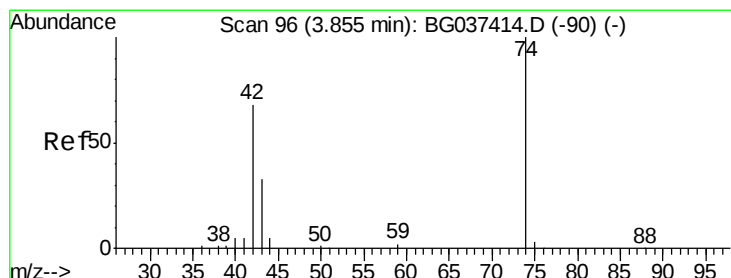
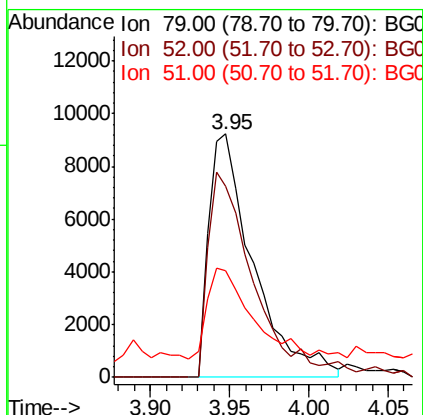
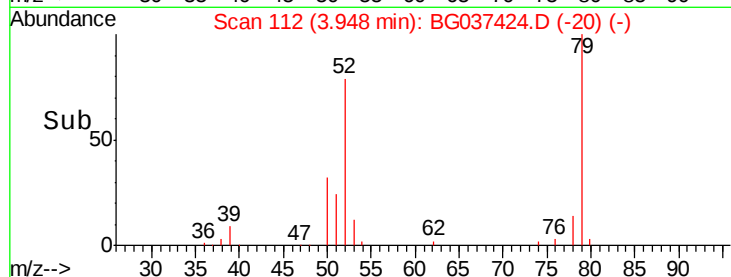
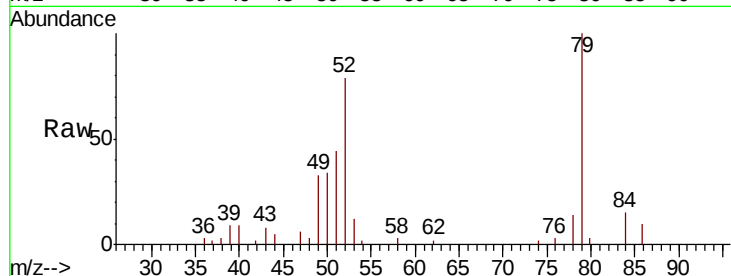
Tot Ion: 79 Resp: 17974

Ion Ratio Lower Upper

79 100

52 78.5 74.2 111.2

51 43.6 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 5.803 ng

RT: 3.87 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

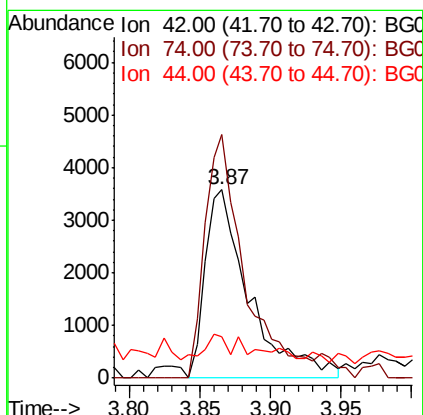
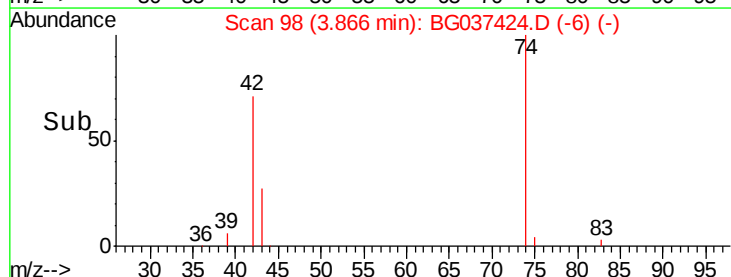
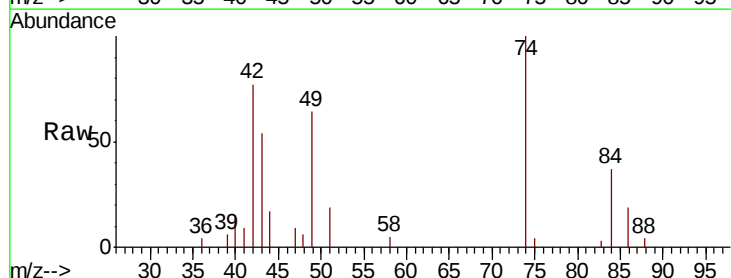
Tgt Ion: 42 Resp: 7782

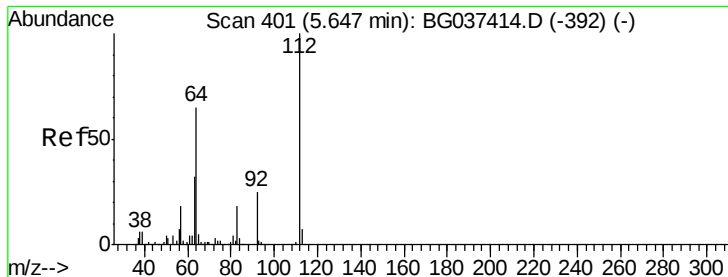
Ion Ratio Lower Upper

42 100

74 129.1 102.0 153.0

44 22.0 9.6 14.4#





#5

2-Fluorophenol

Concen: 142.517 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

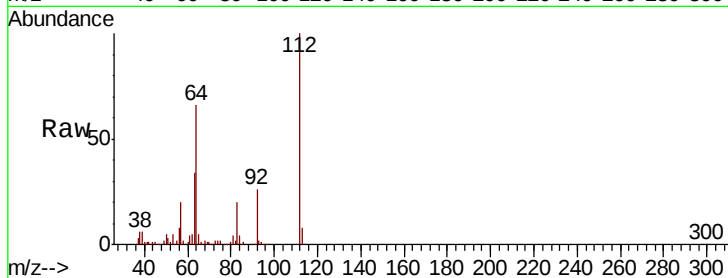
Tot Ion:112 Resp: 419780

Ion Ratio Lower Upper

112 100

64 65.9 53.1 79.7

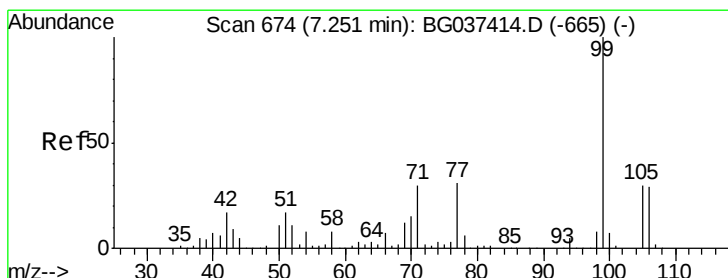
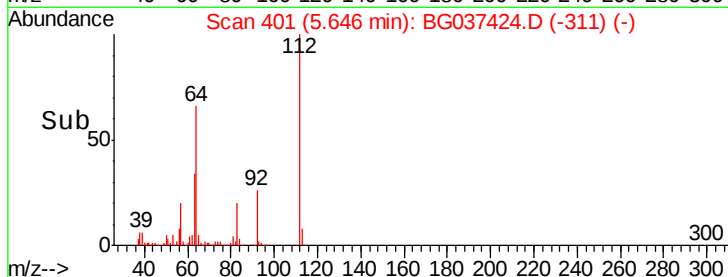
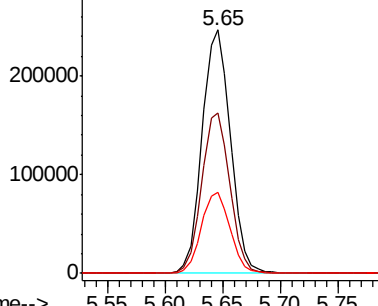
63 33.5 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 137.362 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

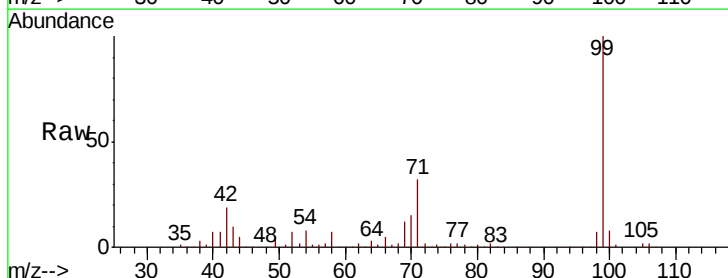
Tgt Ion: 99 Resp: 611802

Ion Ratio Lower Upper

99 100

42 18.6 15.0 22.4

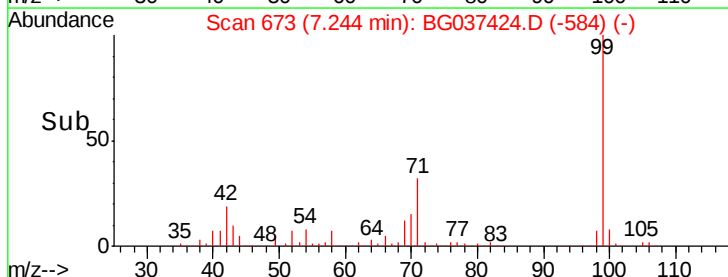
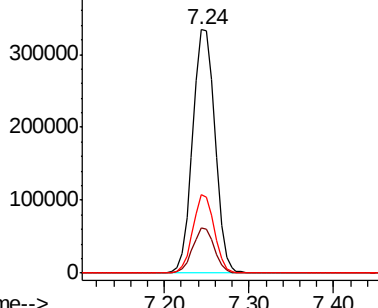
71 32.2 25.5 38.3

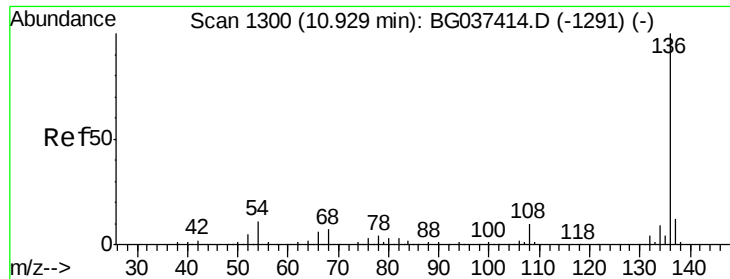


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

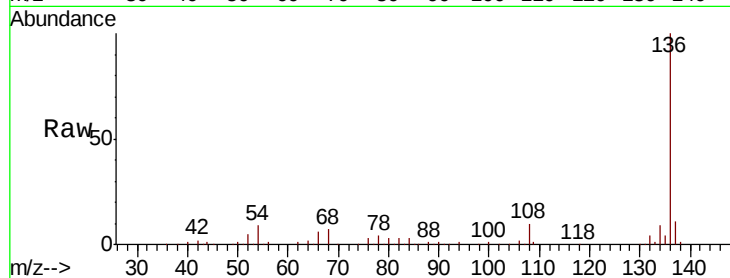




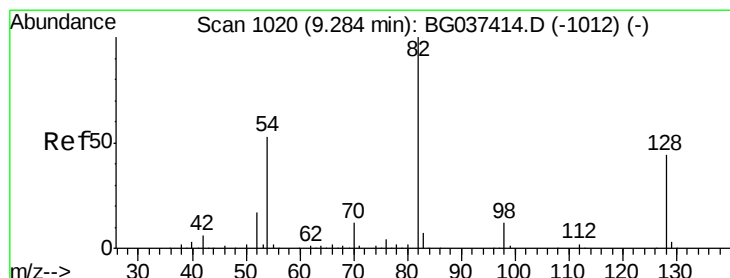
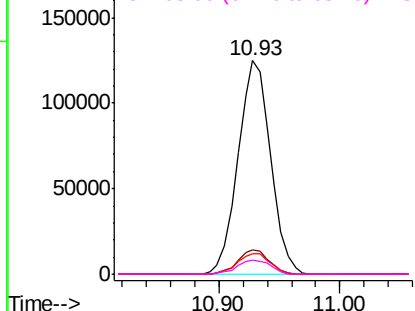
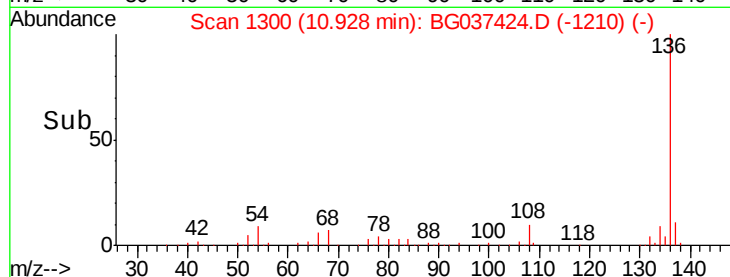
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

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

Tot Ion:136	Resp:	233457
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.6	14.4
54 9.5	7.9	11.9
68 6.8	4.8	7.2

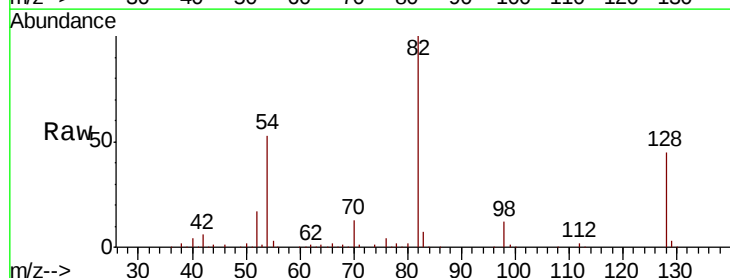


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

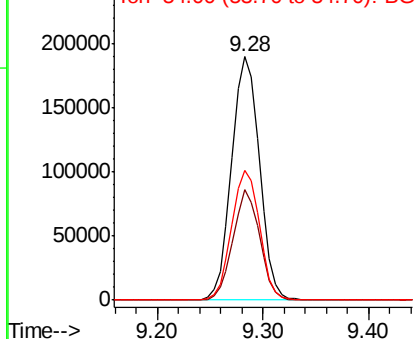
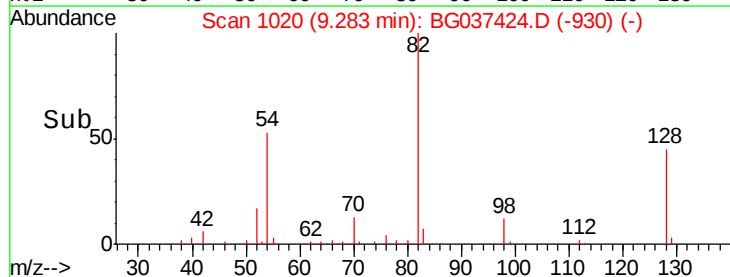


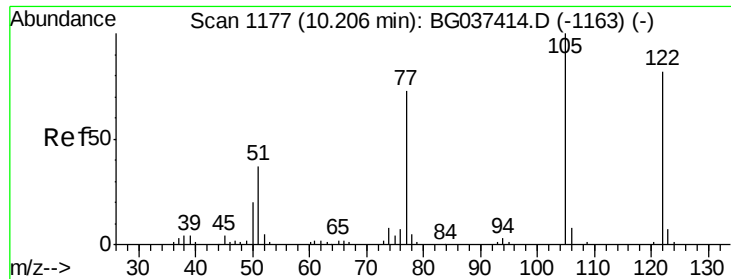
#23
Nitrobenzene-d5
Concen: 82.951 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt	Ion: 82	Resp:	345697
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.6	51.8
54	53.3	45.3	67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

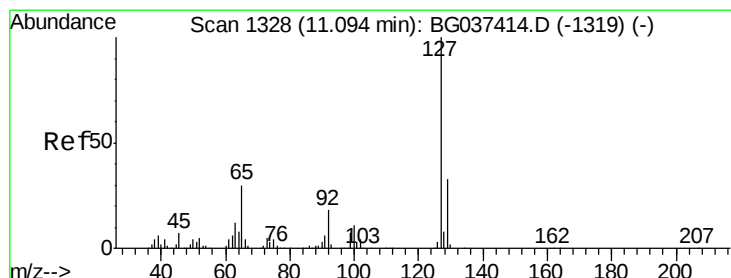
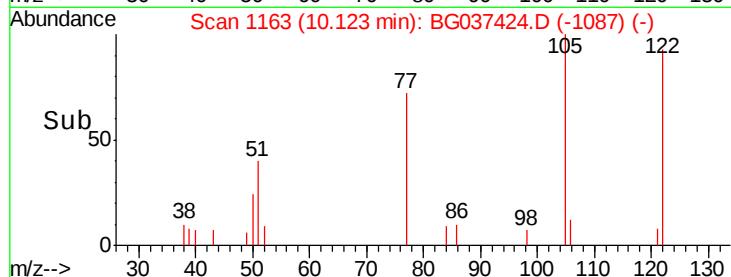
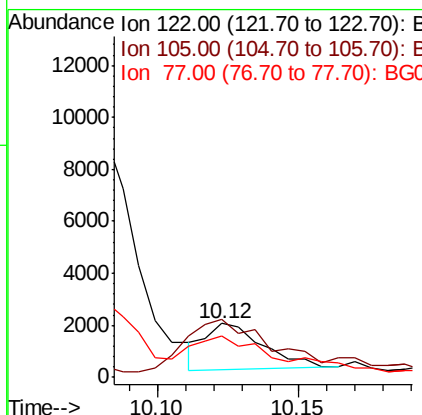
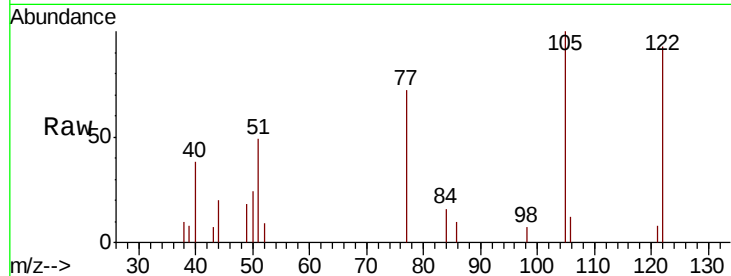




#32
Benzoic acid
Concen: 1.115 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

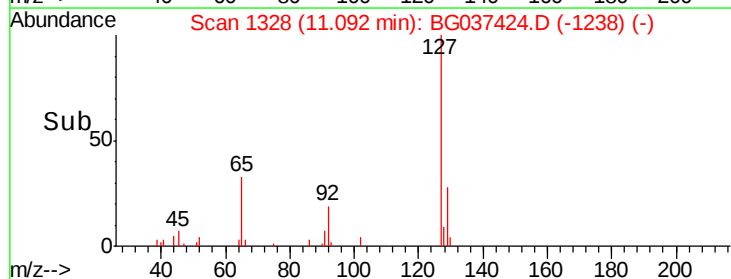
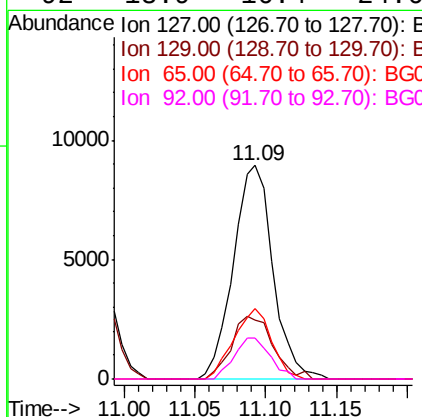
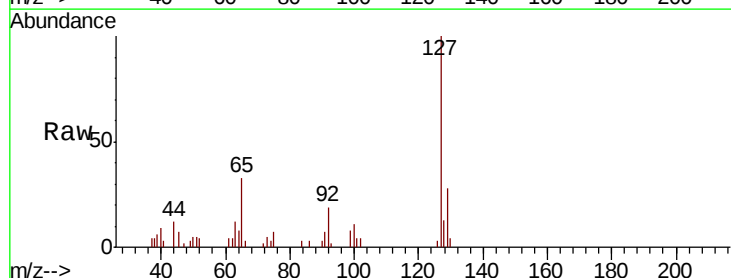
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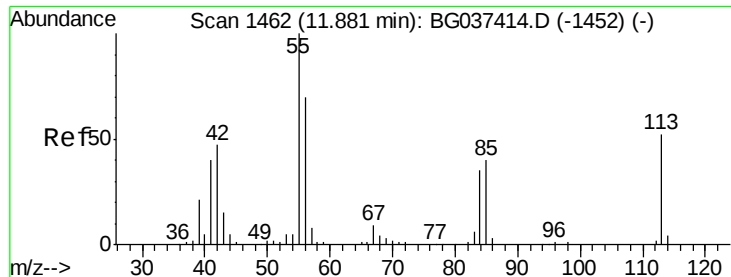
Tot Ion:122 Resp: 2523
Ion Ratio Lower Upper
122 100
105 107.6 106.7 146.7
77 77.3 72.2 112.2



#33
4-Chloroaniline
Concen: 3.247 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:127 Resp: 17495
Ion Ratio Lower Upper
127 100
129 27.5 27.1 40.7
65 33.0 26.6 39.8
92 18.9 16.4 24.6





#35

Caprolactam

Concen: 4.299 ng

RT: 11.84 min Scan# 1456

Delta R.T. -0.04 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

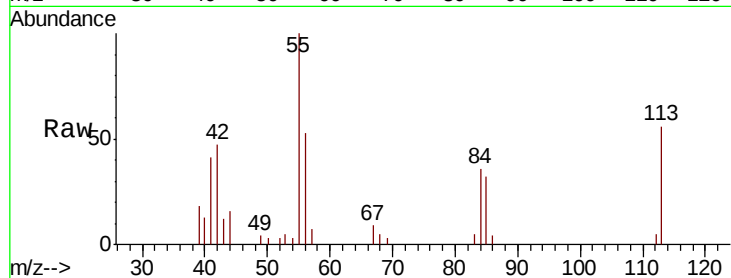
Tot Ion:113 Resp: 6685

Ion Ratio Lower Upper

113 100

55 179.9 176.6 216.6

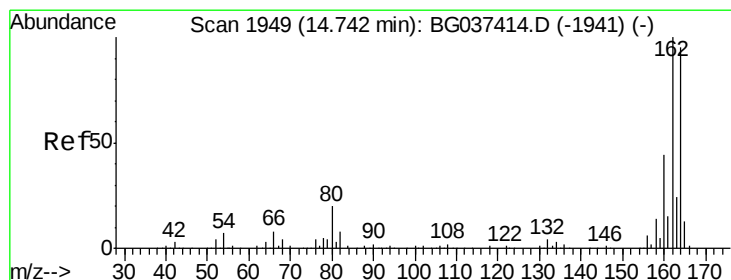
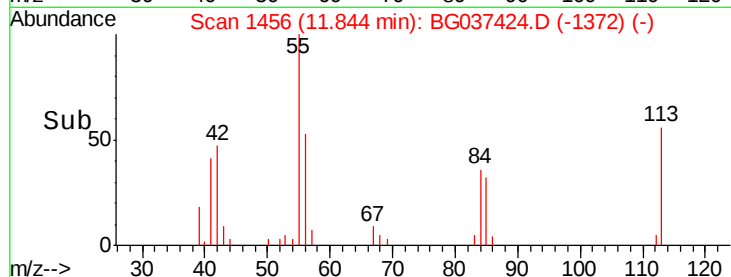
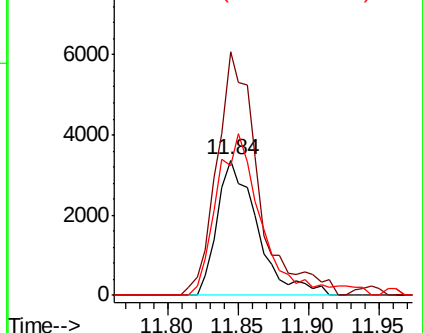
56 95.7 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

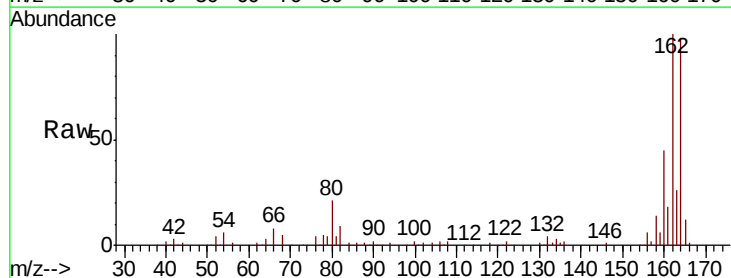
Tgt Ion:164 Resp: 154222

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

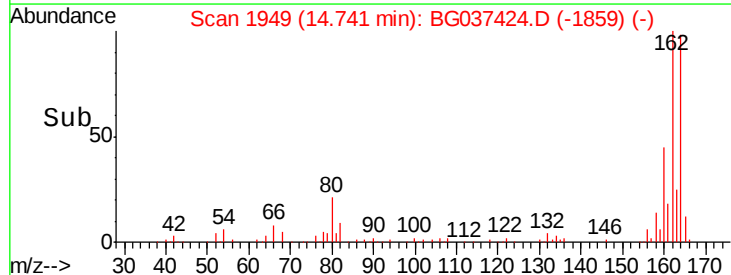
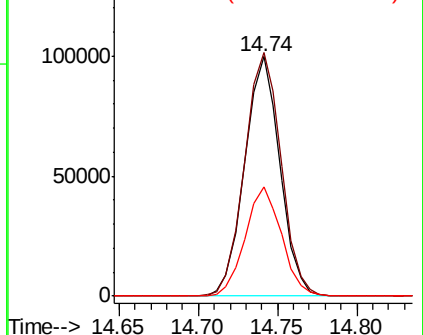
160 45.7 36.3 54.5

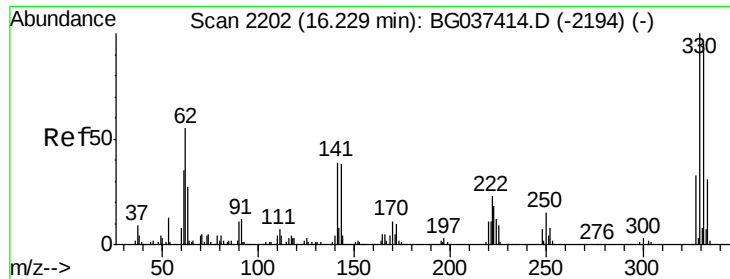


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

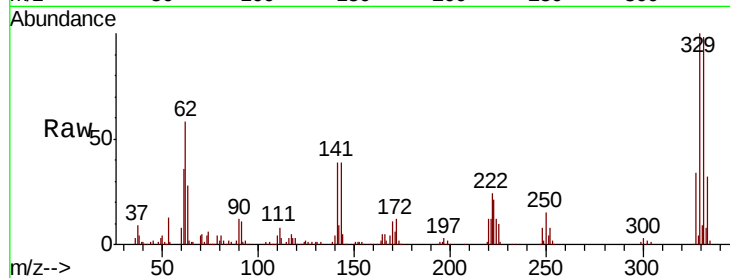




#42
 2,4,6-Tribromophenol
 Concen: 142.925 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	78.4	117.6
141	40.1	32.2	48.2

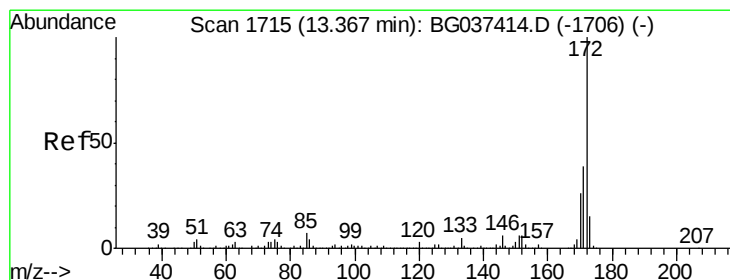
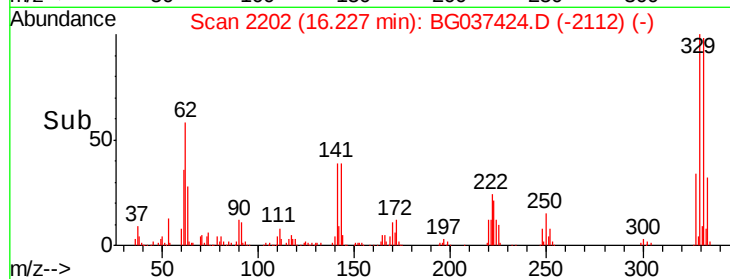
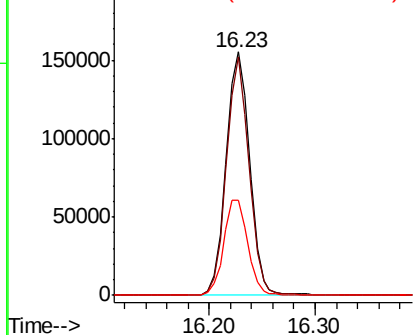


Abundance

Ion 329.80 (329.50 to 330.50): E

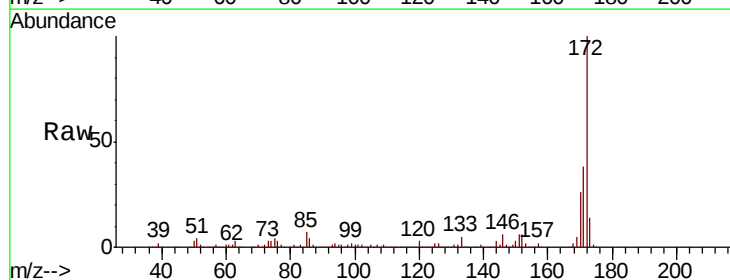
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.985 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.4
170	25.7	20.2	30.2

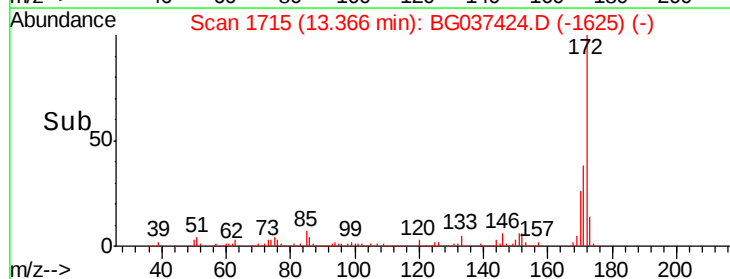
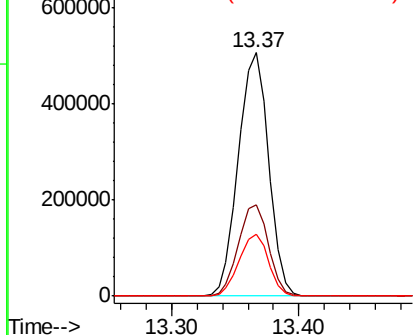


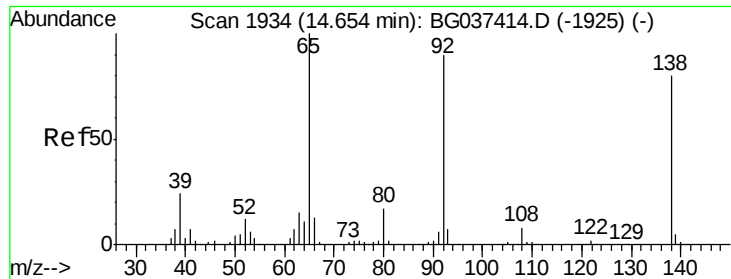
Abundance

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





#53

3-Nitroaniline

Concen: 3.816 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

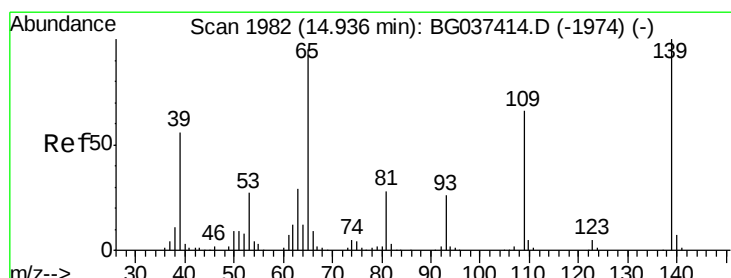
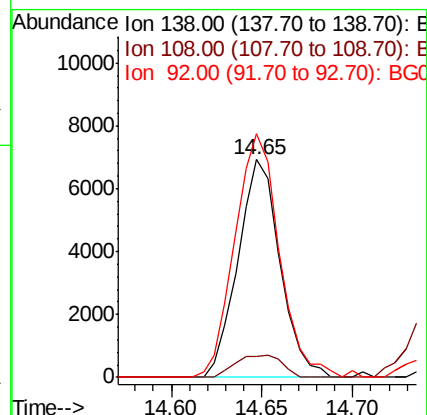
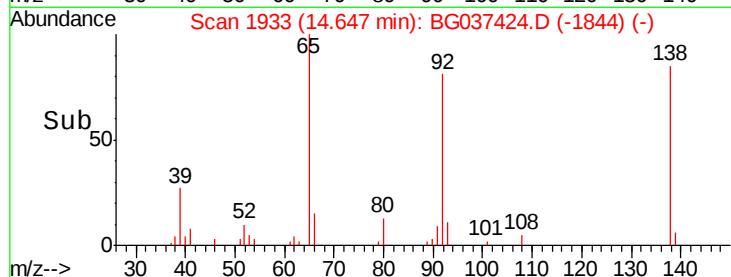
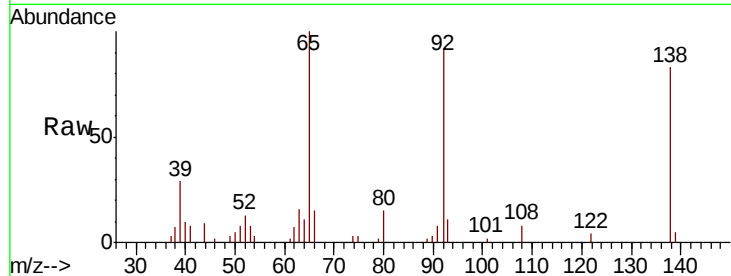
Tot Ion:138 Resp: 11182

Ion Ratio Lower Upper

138 100

108 9.5 11.0 16.6#

92 111.8 95.2 142.8



#56

4-Nitrophenol

Concen: 3.190 ng

RT: 14.93 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

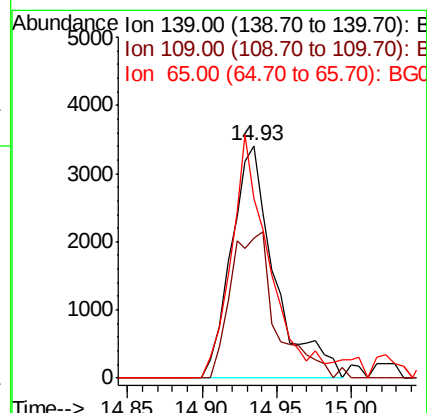
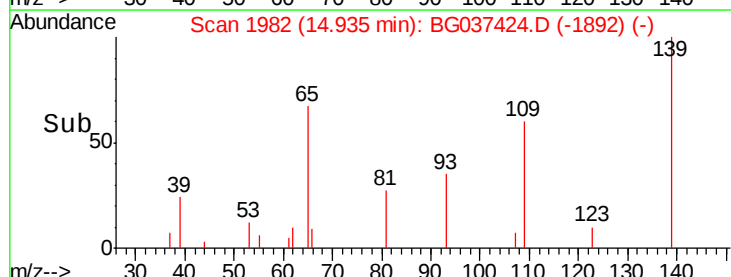
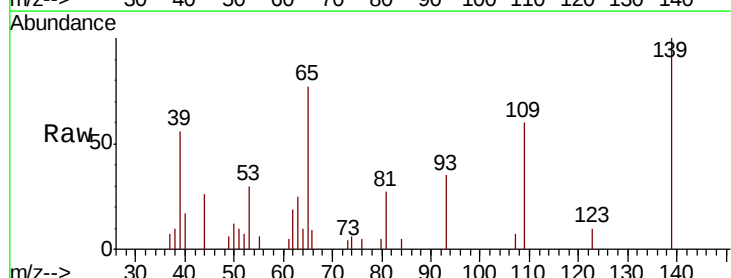
Tgt Ion:139 Resp: 6918

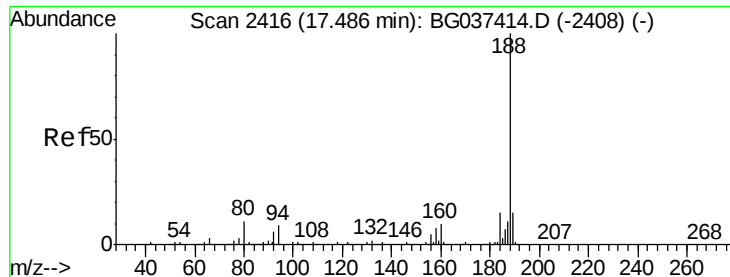
Ion Ratio Lower Upper

139 100

109 60.2 49.5 89.5

65 77.2 76.8 116.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

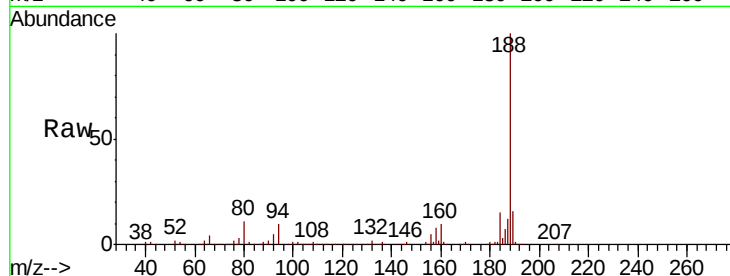
Tot Ion:188 Resp: 384995

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

80 11.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

300000

200000

100000

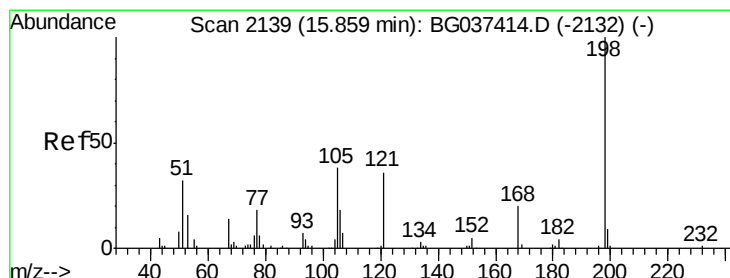
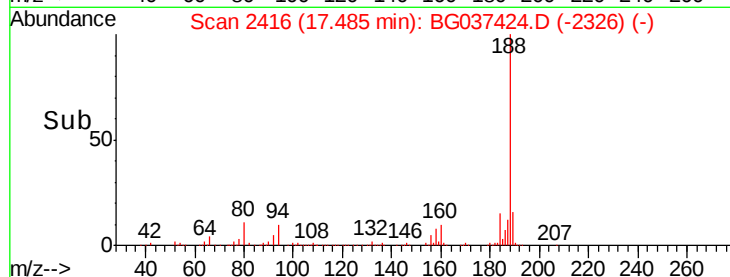
0

17.48

17.40

17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 9.564 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

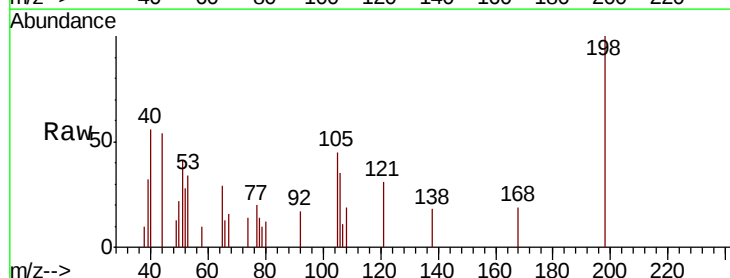
Tgt Ion:198 Resp: 2595

Ion Ratio Lower Upper

198 100

51 40.9 22.7 62.7

105 44.8 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

3000

2000

1000

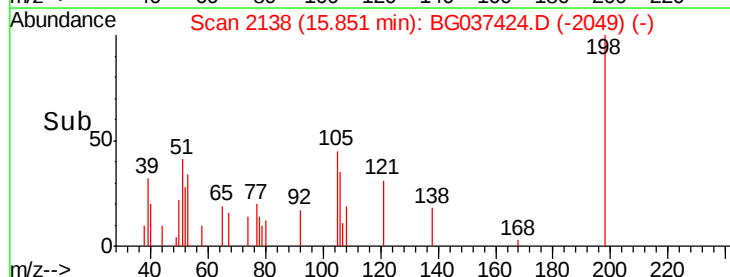
0

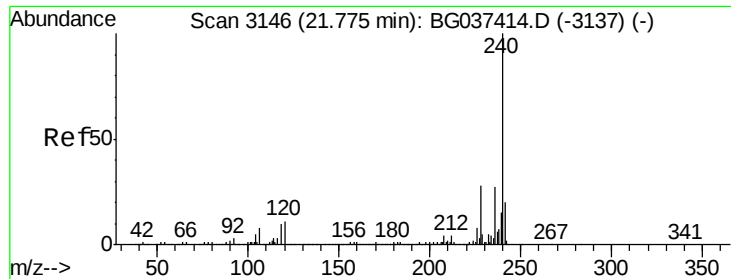
15.85

15.80

15.90

Time-->

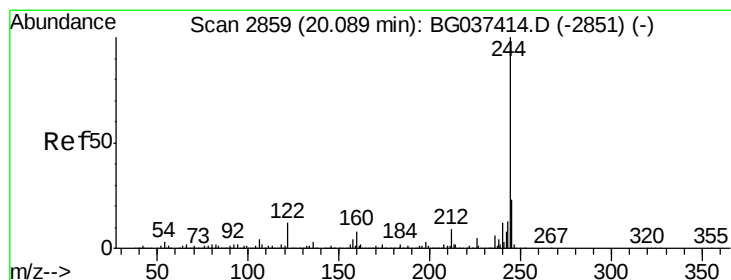
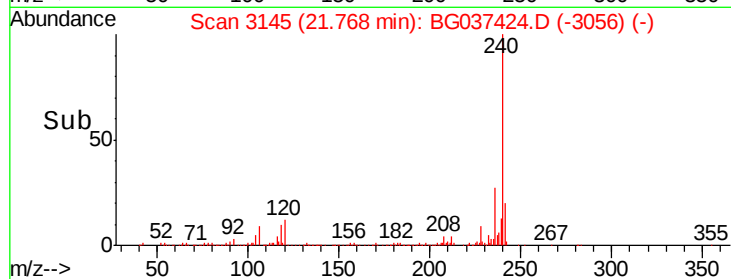
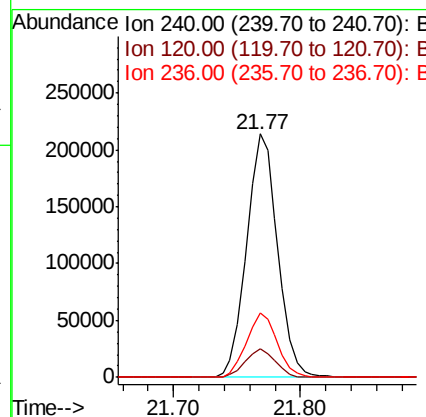
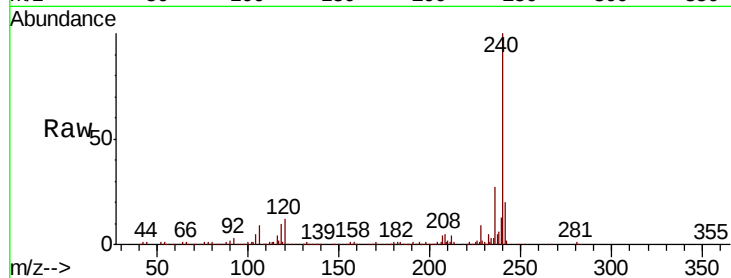




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

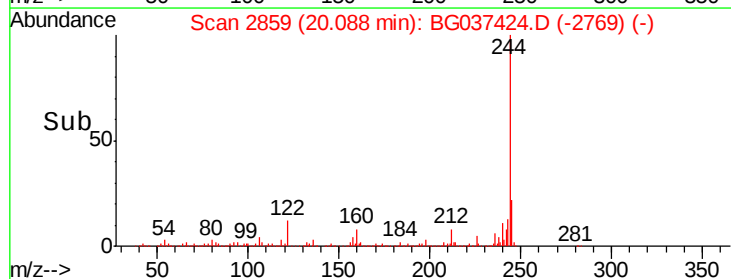
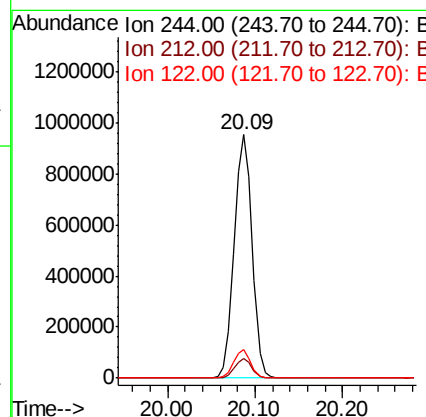
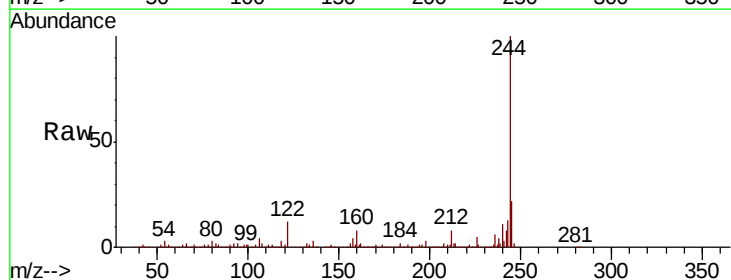
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

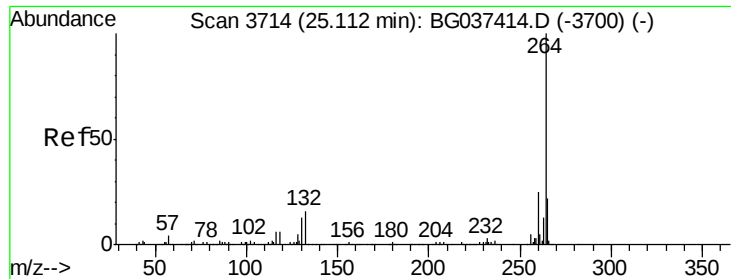
Tot Ion:240 Resp: 362068
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.1 12.1
 236 26.5 21.4 32.0



#79
 Terphenyl-d14
 Concen: 78.959 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion:244 Resp: 1337937
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 11.5 9.0 13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.8	17.9	26.9

