

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101218\
 Data File : BG037302.D
 Acq On : 12 Oct 2018 22:15
 Operator : JU/SJ
 Sample : J5457-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KG-SOIL

Quant Time: Oct 13 00:17:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

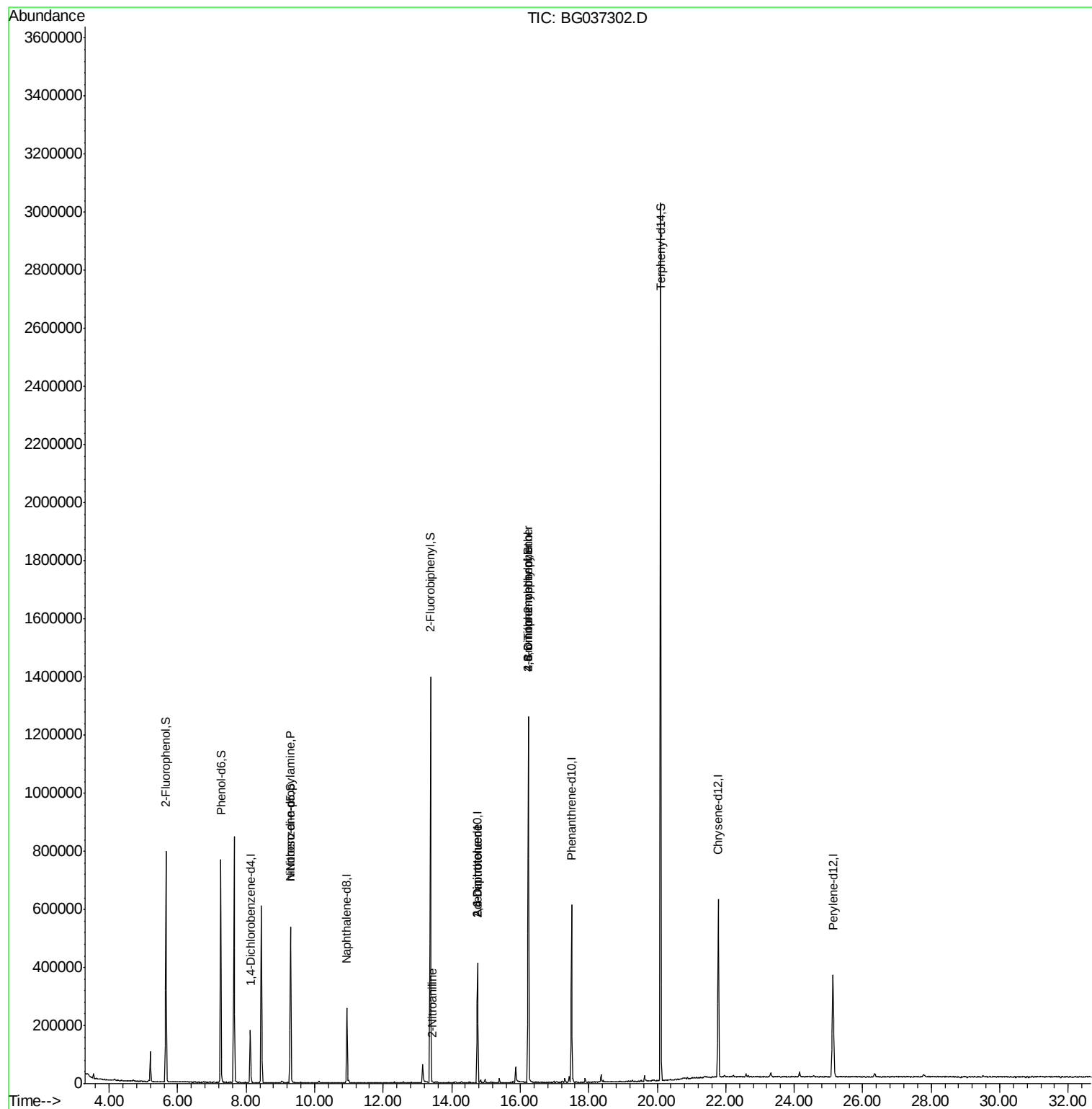
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	52532	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	220784	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	146460	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	385749	20.00	ng	-0.01
76) Chrysene-d12	21.79	240	378327	20.00	ng	-0.01
87) Perylene-d12	25.13	264	381378	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	368658	123.51	ng	0.00
7) Phenol-d6	7.26	99	471093	103.98	ng	0.00
23) Nitrobenzene-d5	9.29	82	323376	96.29	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	223333	155.49	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	747979	76.70	ng	0.00
79) Terphenyl-d14	20.10	244	1417973	78.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	41342	12.053	ng	# 75
48) 2-Nitroaniline	13.45	65	57	5.775	ng	# 7
51) 2,6-Dinitrotoluene	14.75	165	18554	12.278	ng	# 23
57) 2,4-Dinitrotoluene	14.75	165	18554	11.161	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.24	198	878	6.583	ng	# 74
67) 4-Bromophenyl-phenylether	16.24	248	16836	4.044	ng	# 1

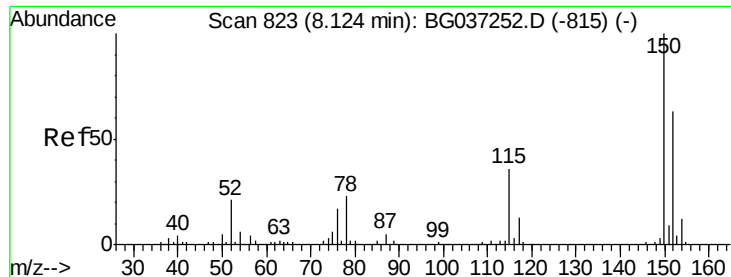
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 11 13:59:58 2018
Response via : Initial Calibration



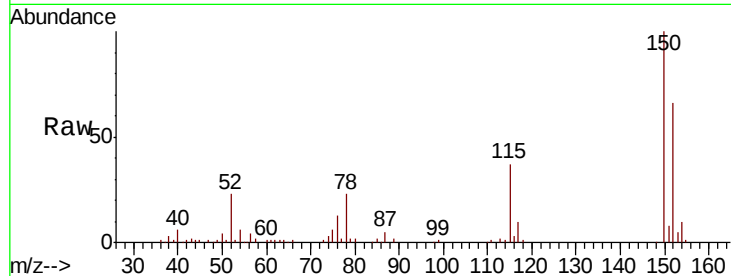


#1

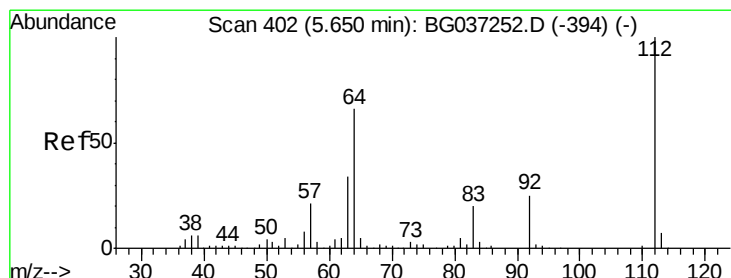
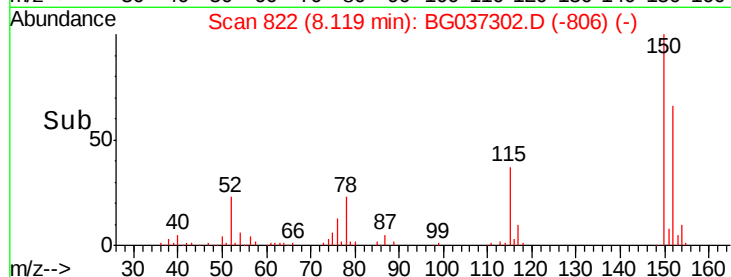
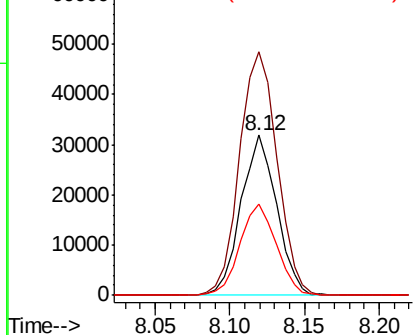
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG037302.D
Acq: 12 Oct 2018 22:15

Instrument :
BNA_G
ClientSampleId :
KG-SOIL

Tgt Ion:152 Resp: 52532
Ion Ratio Lower Upper
152 100
150 152.1 126.0 189.0
115 57.0 45.5 68.3



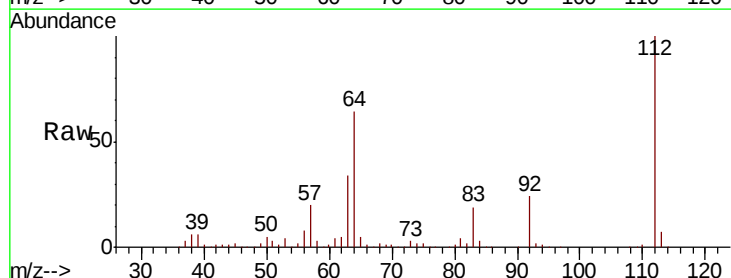
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



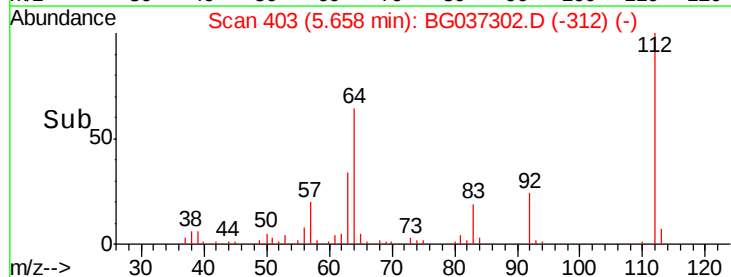
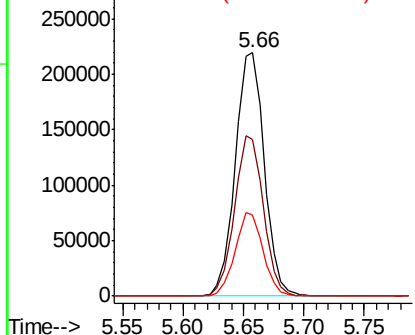
#5

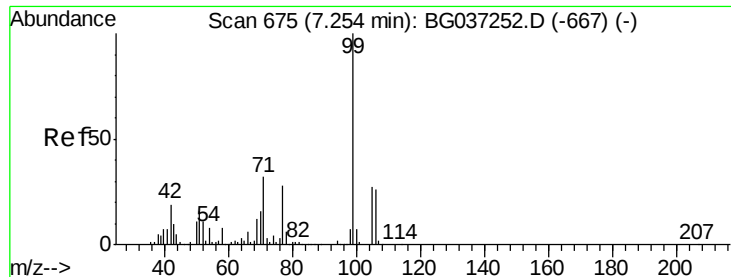
2-Fluorophenol
Concen: 123.506 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037302.D
Acq: 12 Oct 2018 22:15

Tgt Ion:112 Resp: 368658
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 33.6 27.3 40.9



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





#7

Phenol-d6

Concen: 103.979 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

Instrument :

BNA_G

ClientSampleId :

KG-SOIL

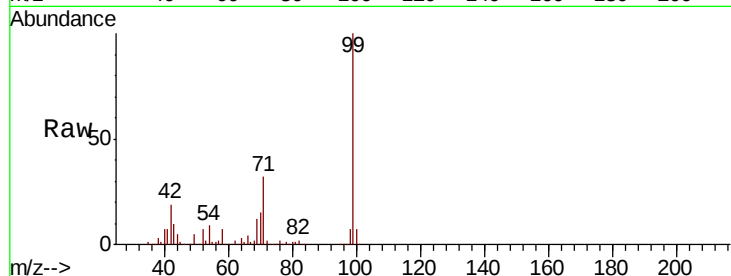
Tgt Ion: 99 Resp: 471093

Ion Ratio Lower Upper

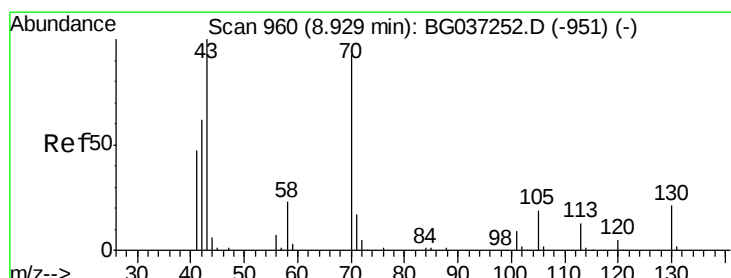
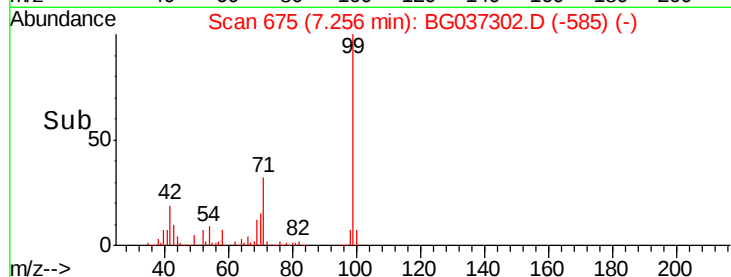
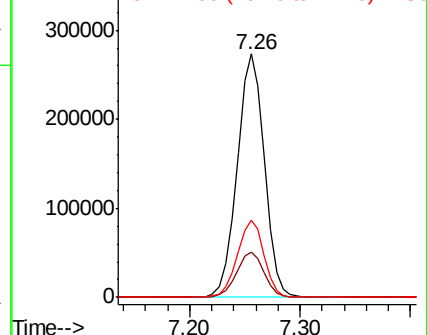
99 100

42 18.7 15.0 22.4

71 31.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.053 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.37 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

Tgt Ion: 70 Resp: 41342

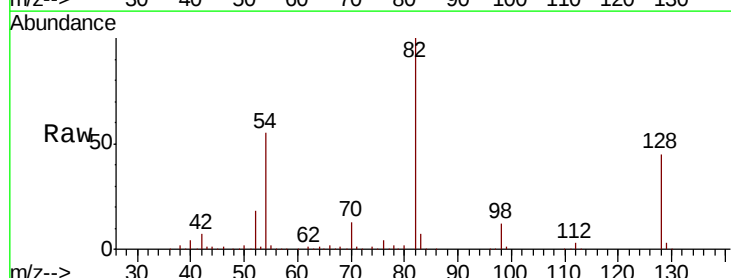
Ion Ratio Lower Upper

70 100

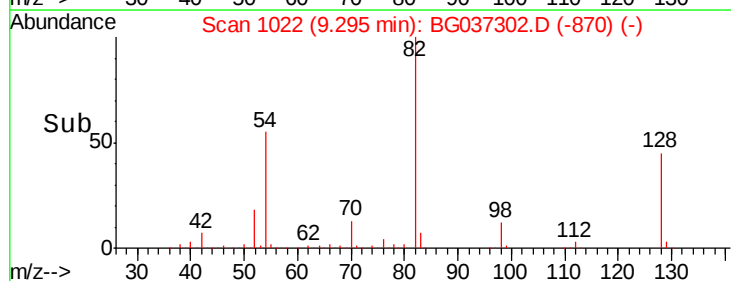
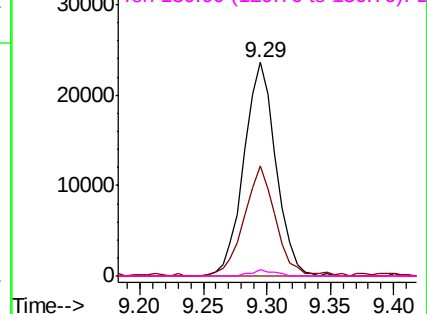
42 51.6 53.9 80.9#

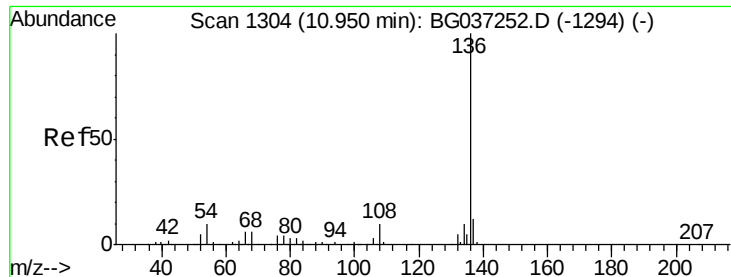
101 0.0 8.2 12.2#

130 2.9 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

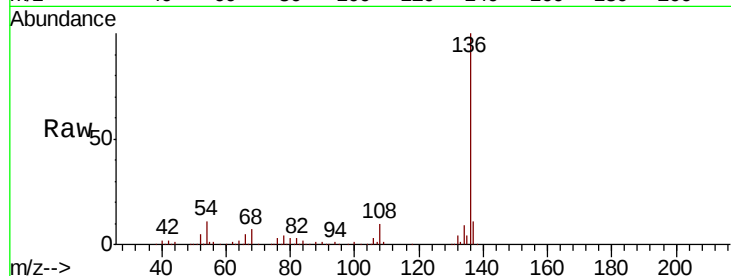




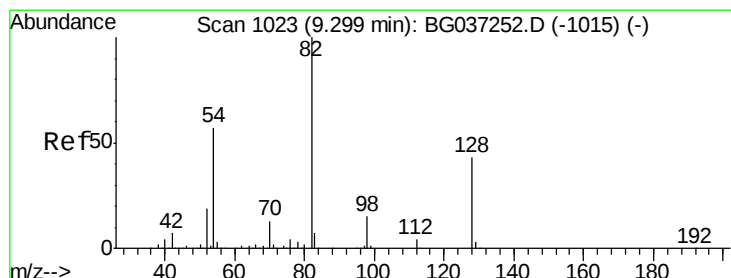
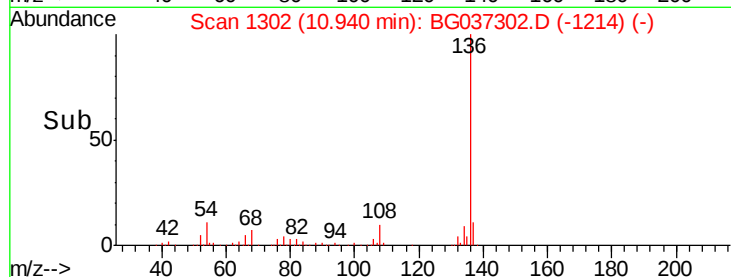
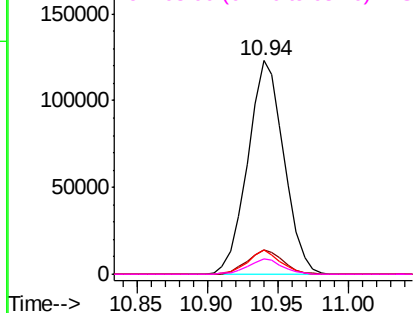
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037302.D
Acq: 12 Oct 2018 22:15

Instrument :
BNA_G
ClientSampleId :
KG-SOIL

Tgt Ion:	136	Resp:	220784
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	11.3	7.9	11.9
68	7.1	4.8	7.2

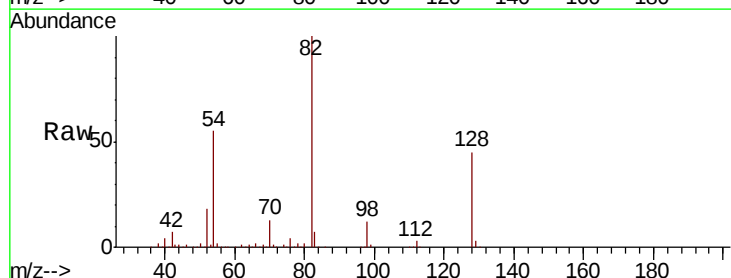


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

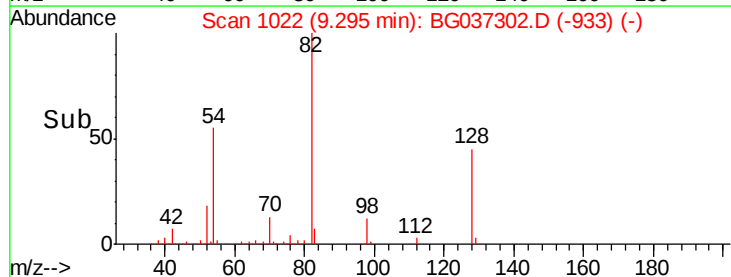
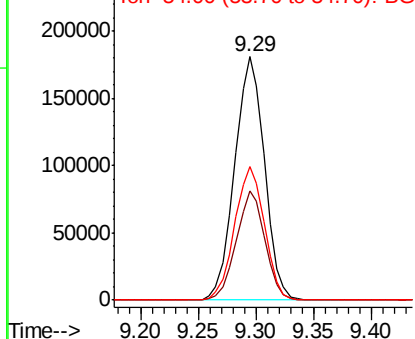


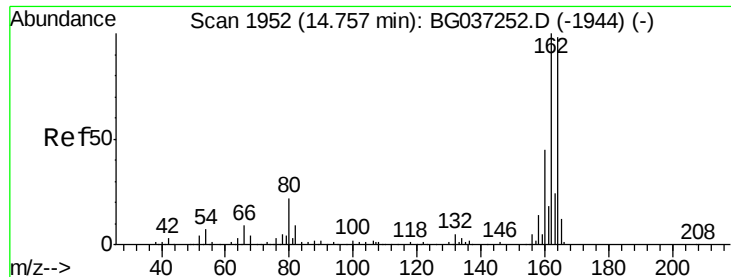
#23
Nitrobenzene-d5
Concen: 96.295 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG037302.D
Acq: 12 Oct 2018 22:15

Tgt Ion:	82	Resp:	323376
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	55.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

Instrument :

BNA_G

ClientSampleId :

KG-SOIL

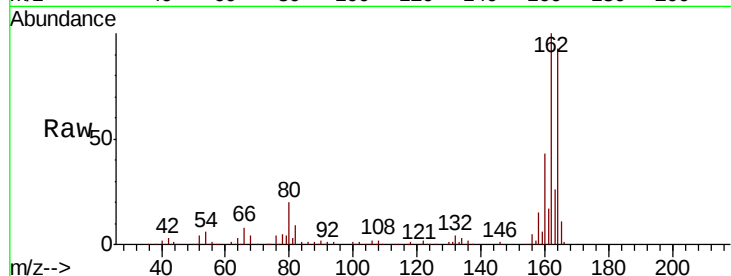
Tgt Ion:164 Resp: 146460

Ion Ratio Lower Upper

164 100

162 107.5 81.3 121.9

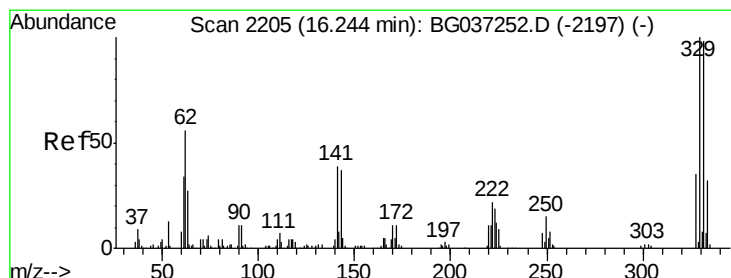
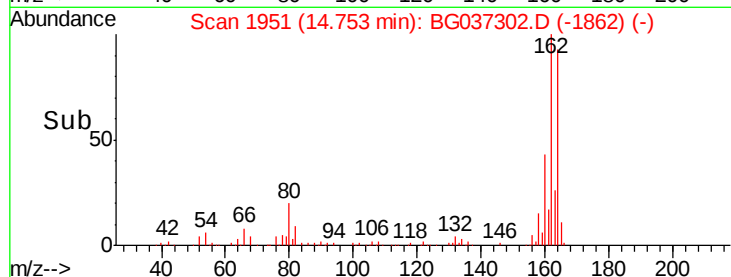
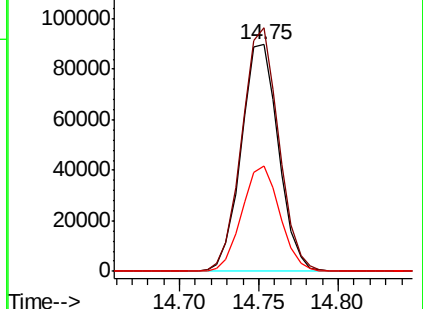
160 46.4 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 155.485 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

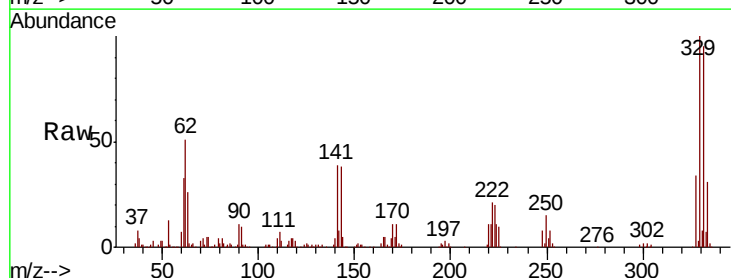
Tgt Ion:330 Resp: 223333

Ion Ratio Lower Upper

330 100

332 96.0 78.4 117.6

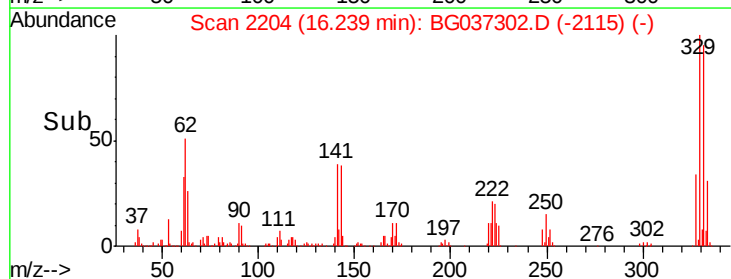
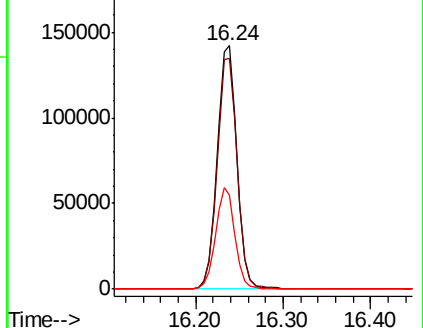
141 40.6 32.2 48.2

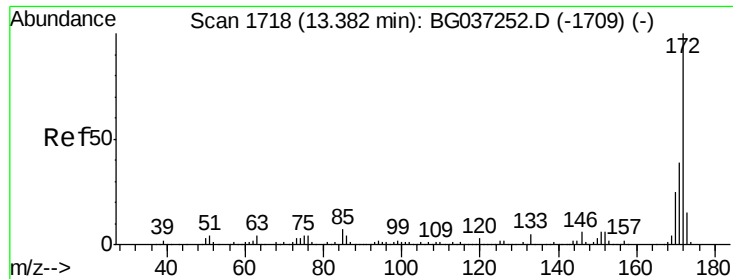


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

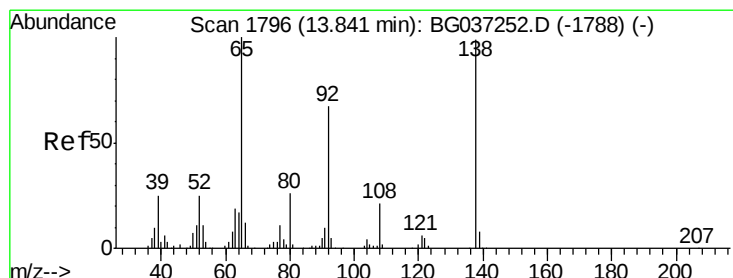
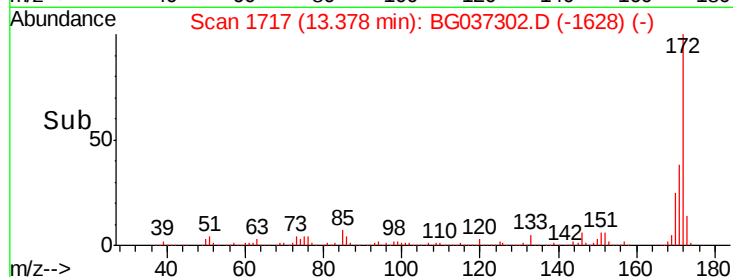
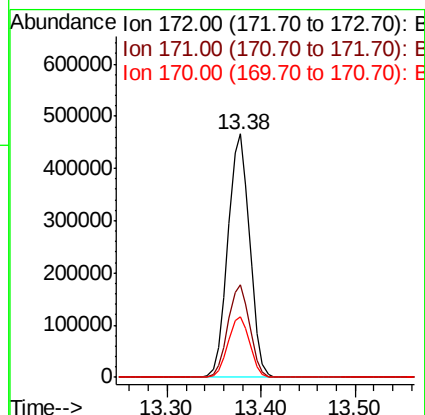
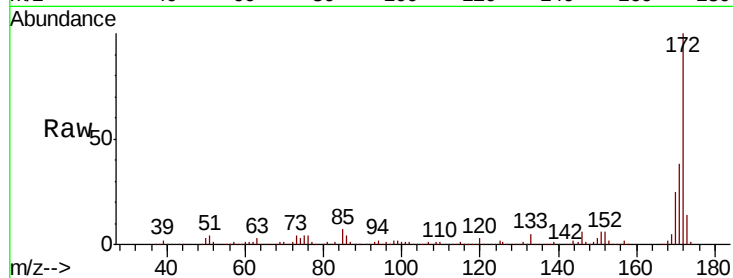




#45
 2-Fluorobiphenyl
 Concen: 76.696 ng
 RT: 13.38 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

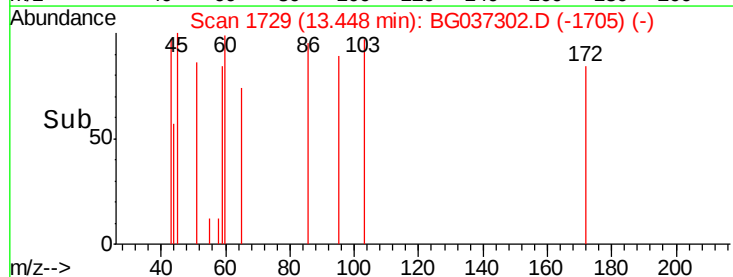
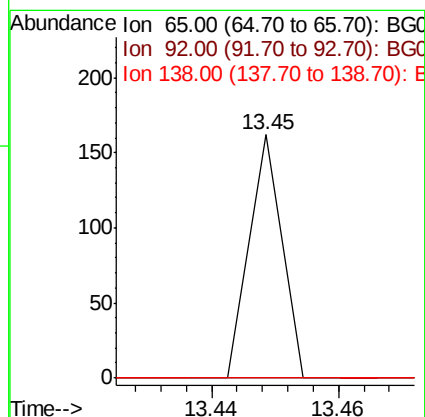
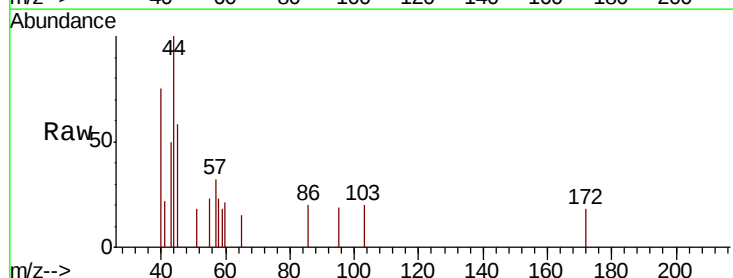
Instrument :
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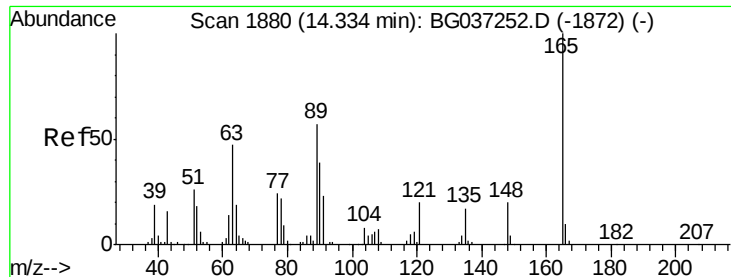
Tgt Ion:	172	Resp:	747979
Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	24.7	20.2	30.2



#48
 2-Nitroaniline
 Concen: 5.775 ng
 RT: 13.45 min Scan# 1729
 Delta R.T. -0.39 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

Tgt Ion:	65	Resp:	57
Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.2	79.8#
138	0.0	79.3	118.9#

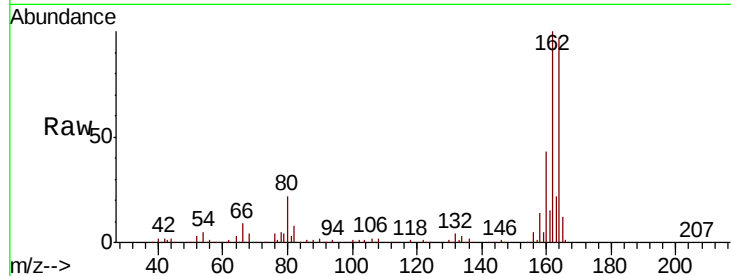




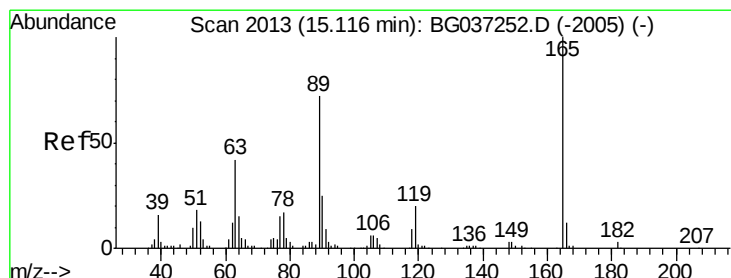
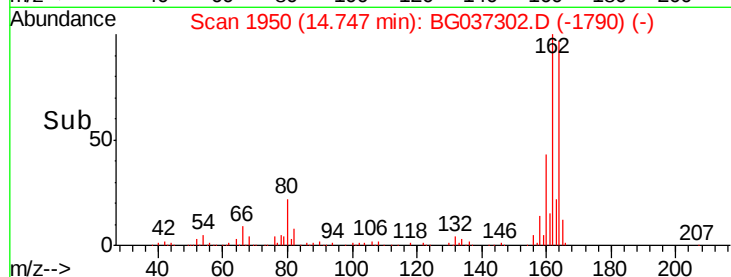
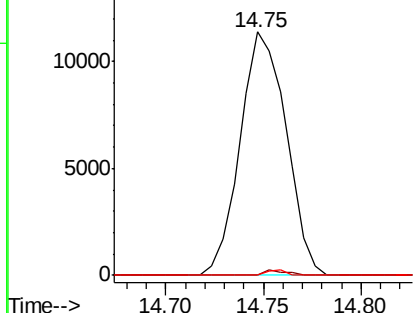
#51
 2,6-Dinitrotoluene
 Concen: 12.278 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

Instrument :
 BNA_G
 ClientSampleId :
 KG-SOIL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



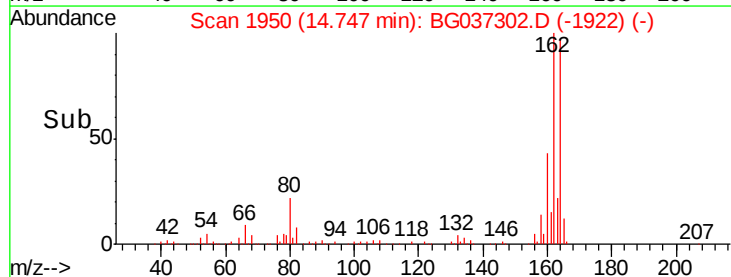
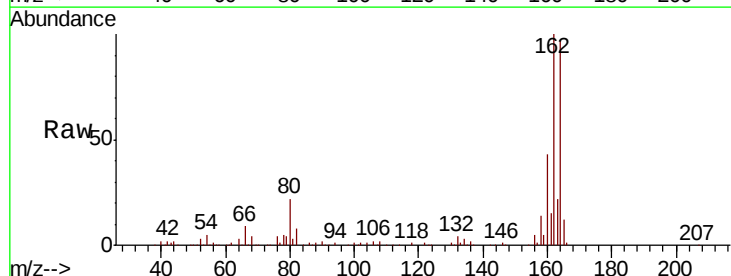
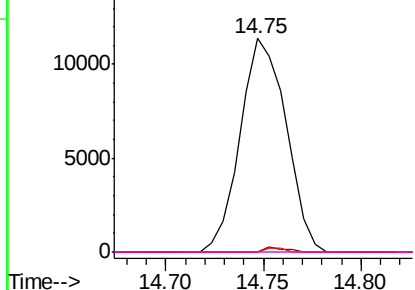
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

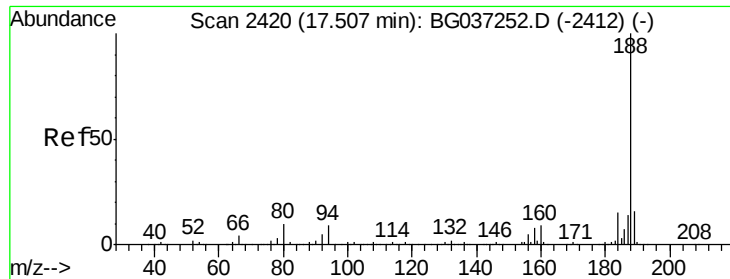


#57
 2,4-Dinitrotoluene
 Concen: 11.161 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#

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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

Instrument :

BNA_G

ClientSampleId :

KG-SOIL

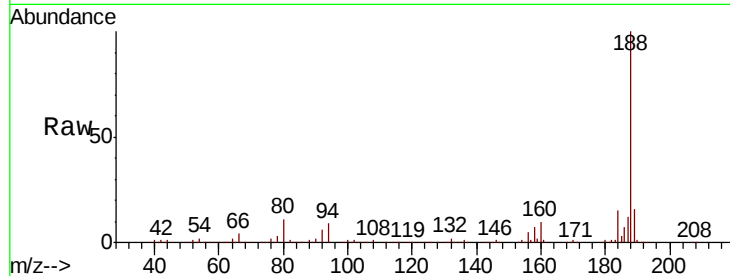
Tgt Ion:188 Resp: 385749

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

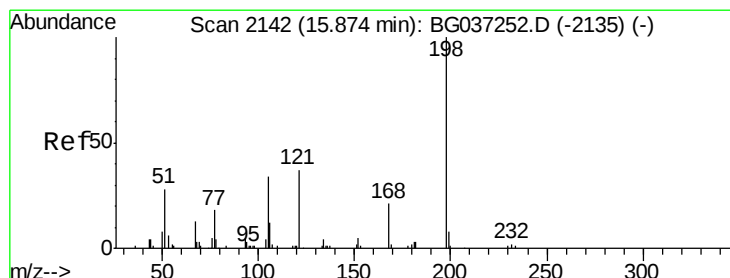
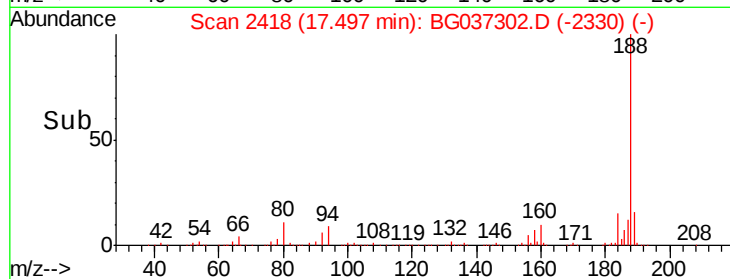
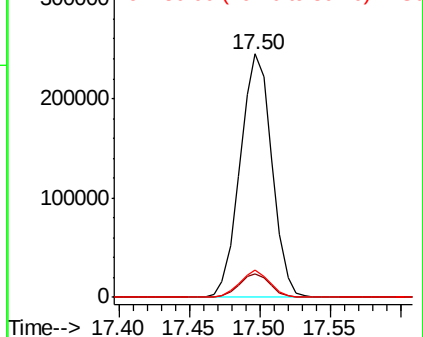
80 11.1 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.583 ng

RT: 16.24 min Scan# 2204

Delta R.T. 0.37 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

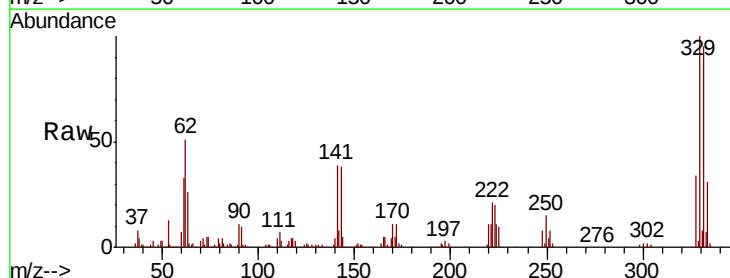
Tgt Ion:198 Resp: 878

Ion Ratio Lower Upper

198 100

51 22.6 22.7 62.7#

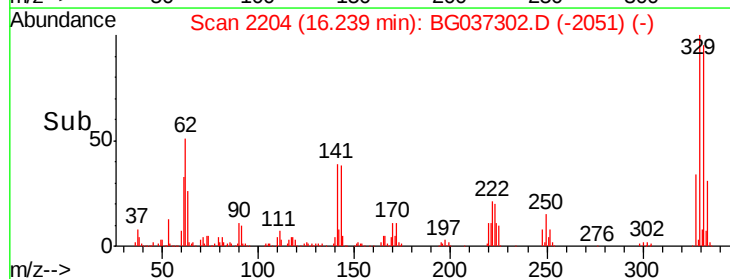
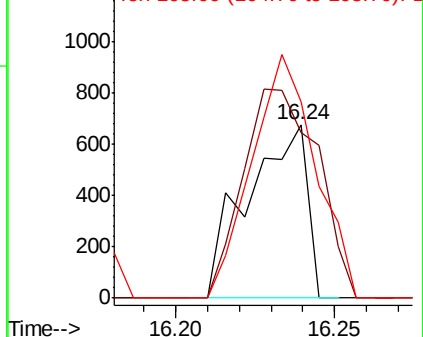
105 26.8 19.7 59.7

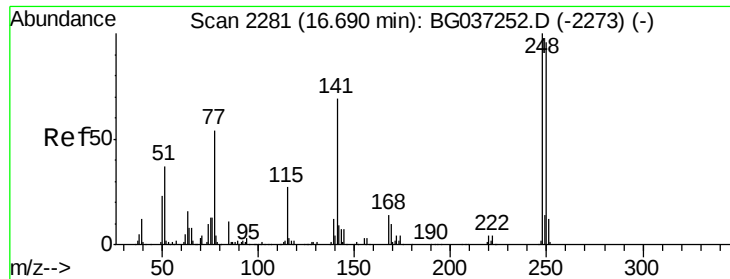


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

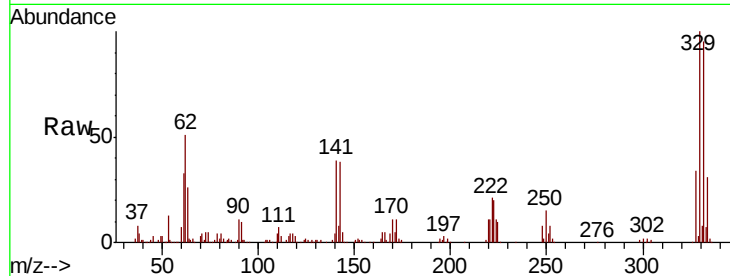




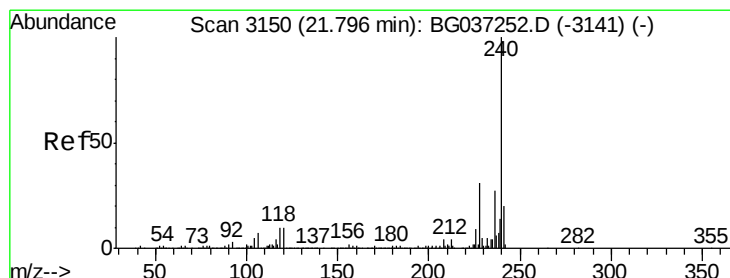
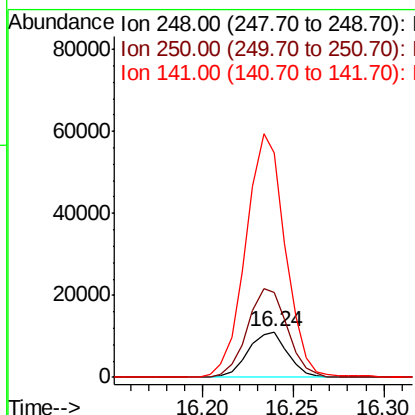
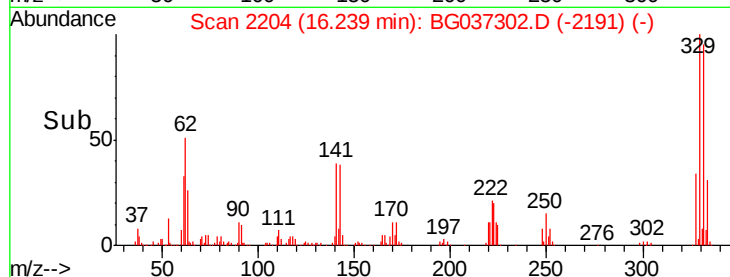
#67
 4-Bromophenyl-phenylether
 Concen: 4.044 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

Instrument :
 BNA_G
 ClientSampleId :
 KG-SOIL

Tgt Ion:248 Resp: 16836
 Ion Ratio Lower Upper
 248 100
 250 185.8 77.0 115.6#
 141 380.4 55.5 83.3#

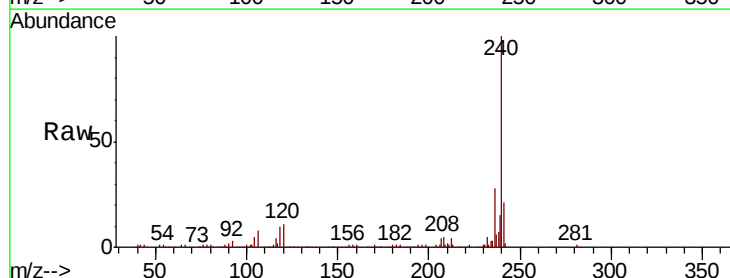


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

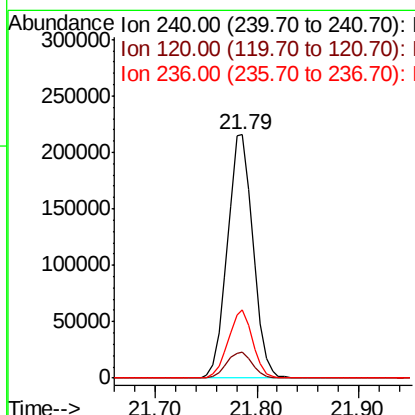
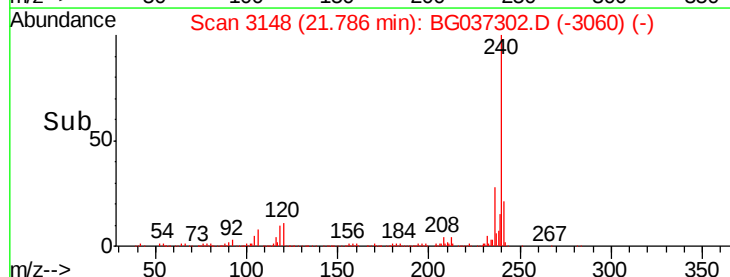


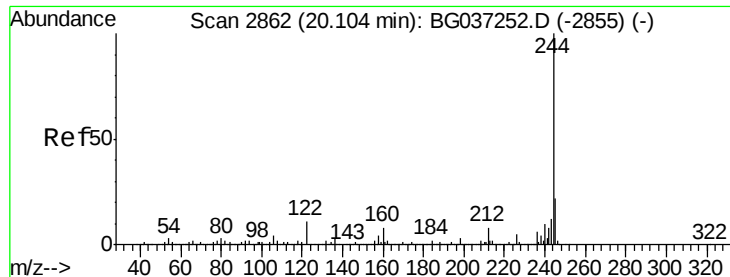
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037302.D
 Acq: 12 Oct 2018 22:15

Tgt Ion:240 Resp: 378327
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.1 12.1
 236 28.3 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 78.699 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

Instrument :

BNA_G

ClientSampleId :

KG-SOIL

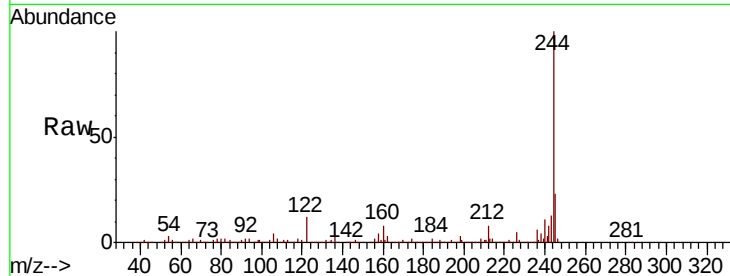
Tgt Ion:244 Resp: 1417973

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

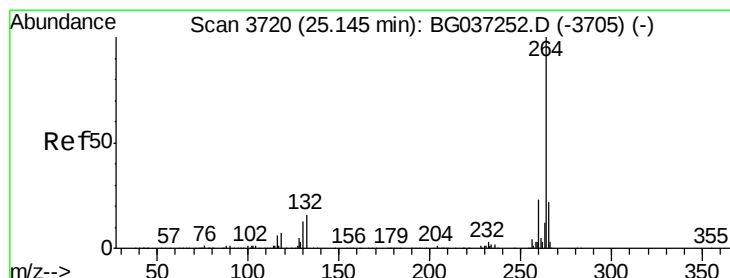
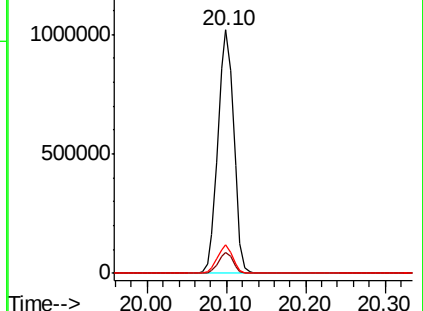
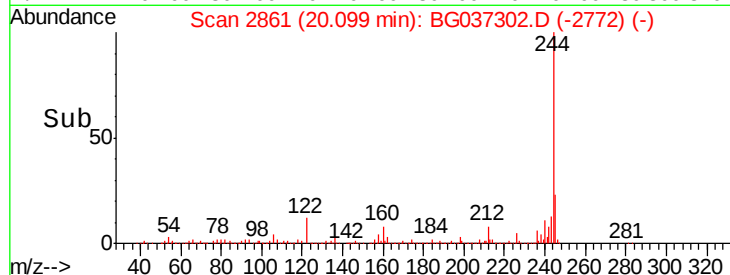
122 11.7 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3717

Delta R.T. -0.02 min

Lab File: BG037302.D

Acq: 12 Oct 2018 22:15

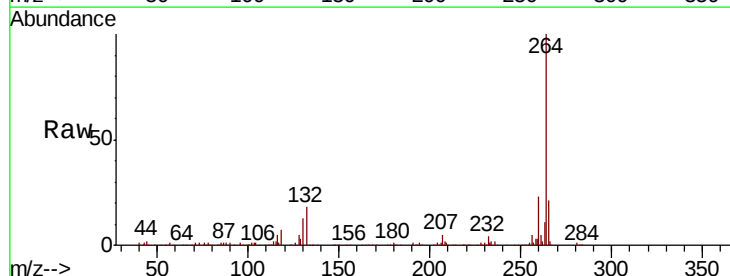
Tgt Ion:264 Resp: 381378

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 20.9 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

