

Data File : BG038821.D
Acq On : 22 Dec 2018 17:13
Operator : JU/SJ
Sample : J6518-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
337-SOIL

Quant Time: Dec 24 03:57:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	30125	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	127563	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	88240	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	200696	20.00	ng	0.00
76) Chrysene-d12	21.72	240	202527	20.00	ng	0.00
87) Perylene-d12	25.03	264	215518	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	242909	143.02	ng	0.01
7) Phenol-d6	7.22	99	308687	132.39	ng	0.02
23) Nitrobenzene-d5	9.24	82	239977	96.11	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	176721	145.32	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	658382	102.36	ng	0.00
79) Terphenyl-d14	20.04	244	1082133	116.28	ng	0.00

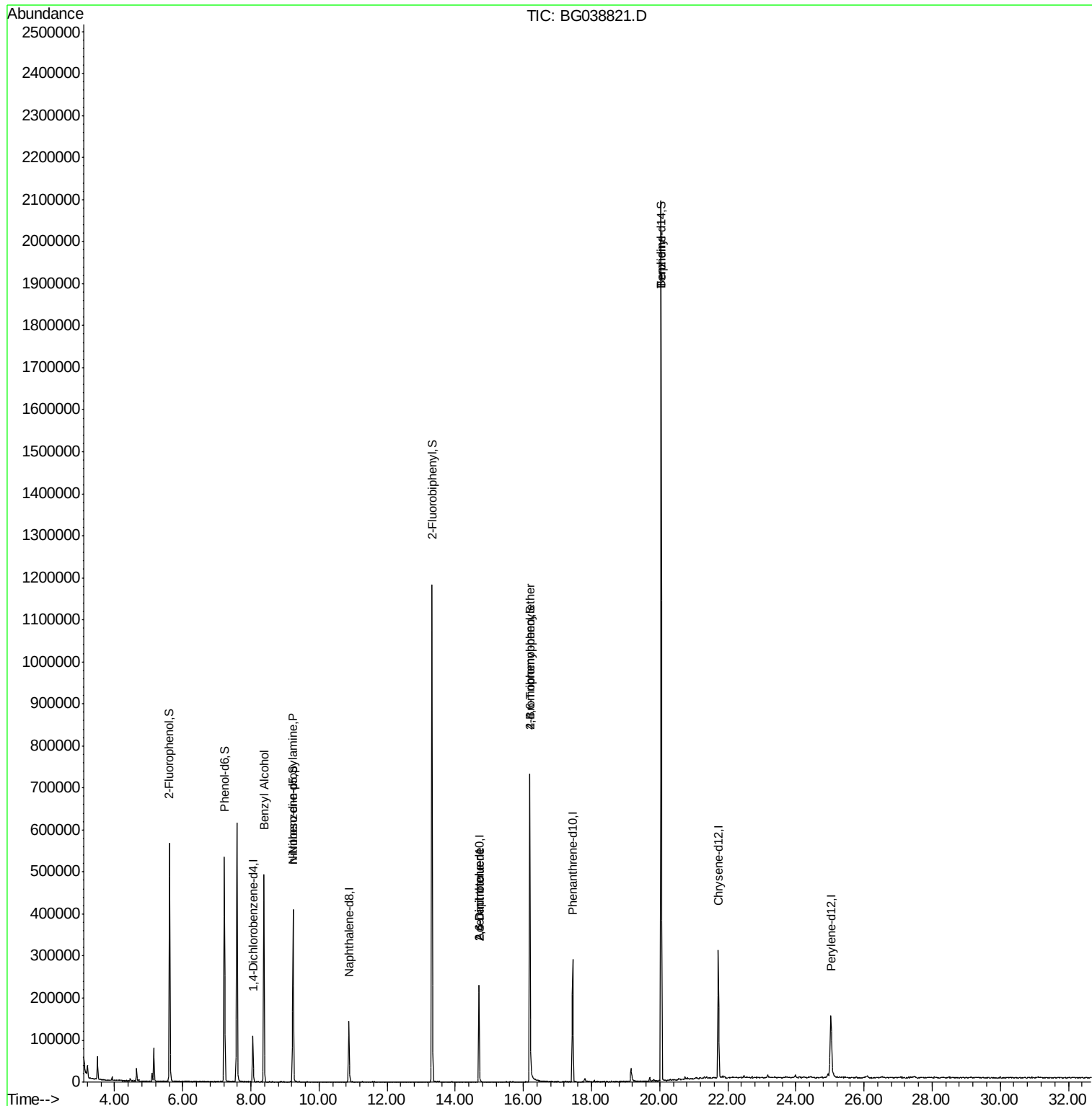
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.38	79	3872	2.128	ng	# 44
19) n-Nitroso-di-n-propylamine	9.24	70	32489	19.839	ng	# 67
51) 2,6-Dinitrotoluene	14.70	165	11636	7.126	ng	# 21
57) 2,4-Dinitrotoluene	14.70	165	11636	5.059	ng	# 22
67) 4-Bromophenyl-phenylether	16.18	248	11249	4.589	ng	# 1
77) Benzidine	20.04	184	18224	3.043	ng	# 94

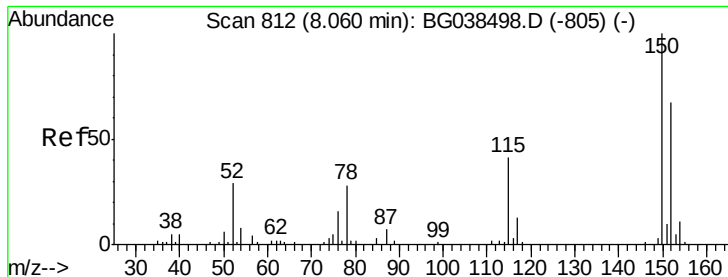
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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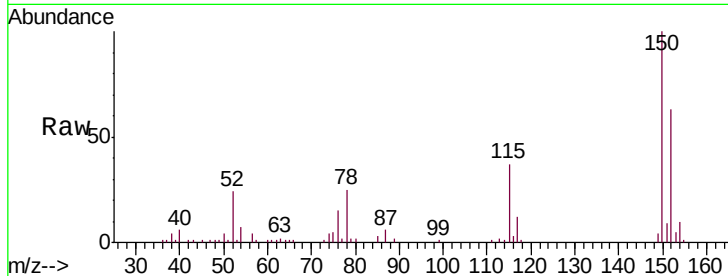


#1

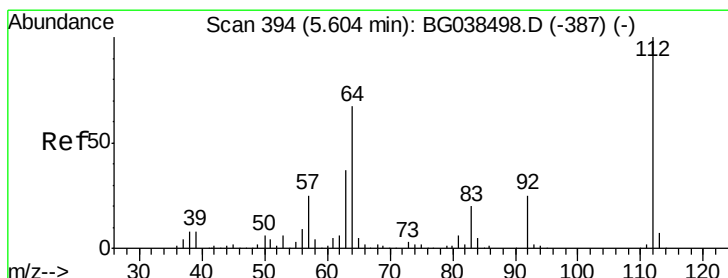
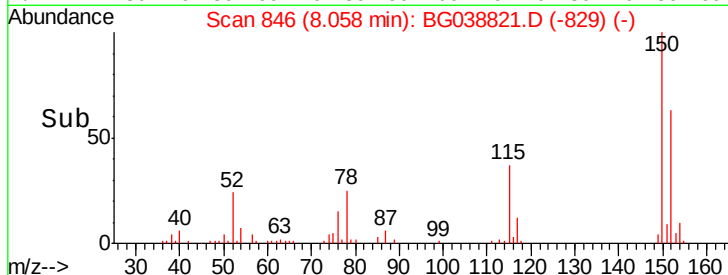
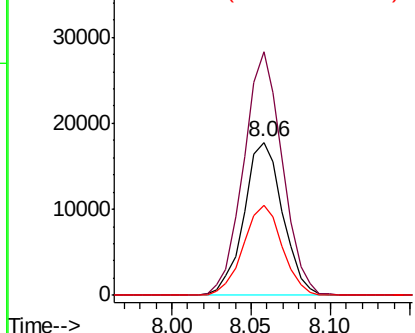
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

Instrument :
BNA_G
ClientSampleId :
337-SOIL

Tgt Ion:152 Resp: 30125
Ion Ratio Lower Upper
152 100
150 159.1 119.5 179.3
115 59.0 49.6 74.4



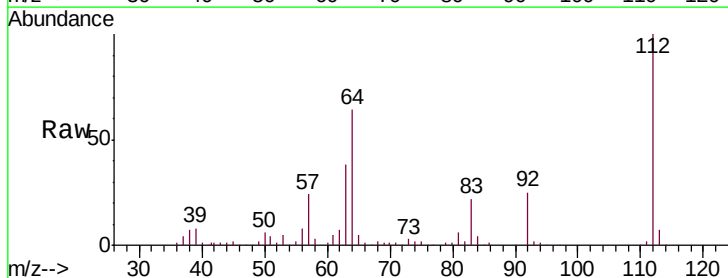
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



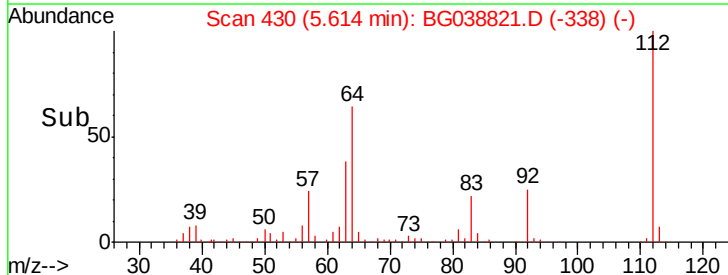
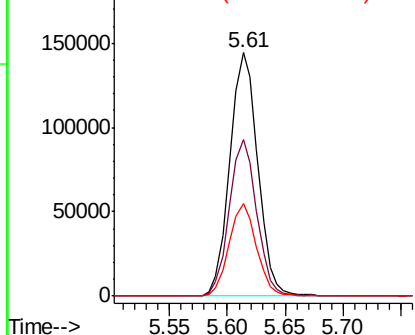
#5

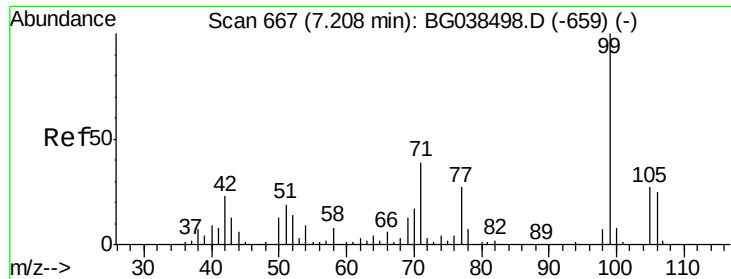
2-Fluorophenol
Concen: 143.016 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

Tgt Ion:112 Resp: 242909
Ion Ratio Lower Upper
112 100
64 64.5 53.4 80.2
63 38.2 29.3 43.9



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





#7

Phenol-d6

Concen: 132.389 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.02 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

Instrument :

BNA_G

ClientSampleId :

337-SOIL

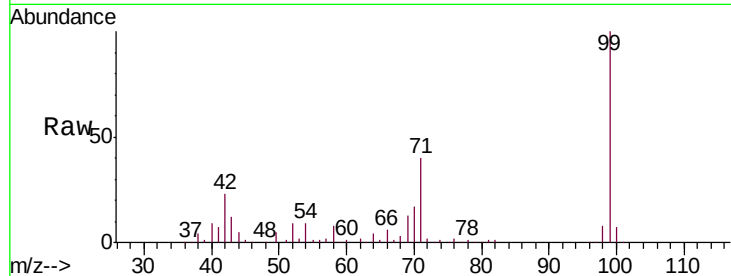
Tgt Ion: 99 Resp: 308687

Ion Ratio Lower Upper

99 100

42 23.5 18.5 27.7

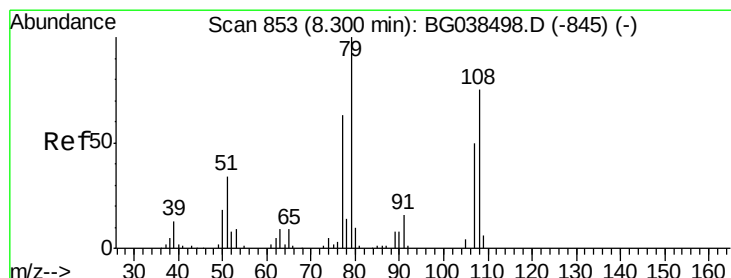
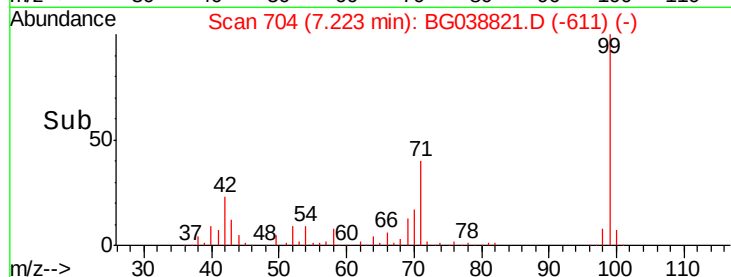
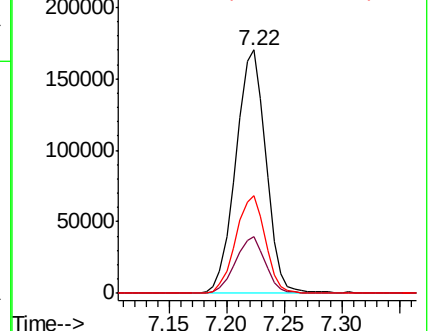
71 40.3 31.1 46.7



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



#15

Benzyl Alcohol

Concen: 2.128 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

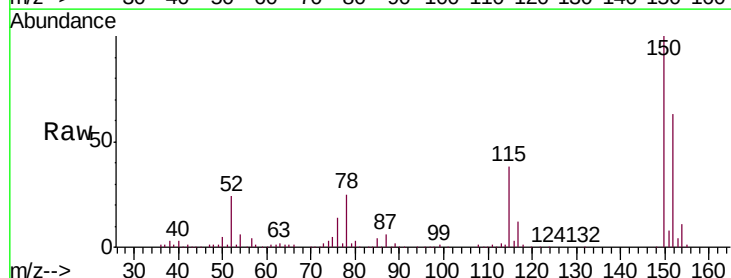
Tgt Ion: 79 Resp: 3872

Ion Ratio Lower Upper

79 100

108 44.0 60.2 90.4#

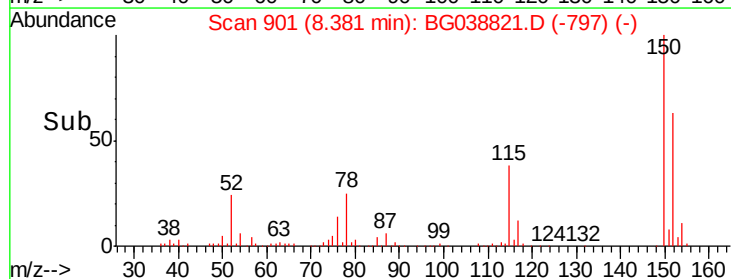
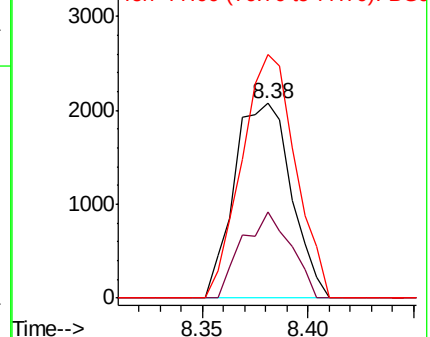
77 124.9 50.7 76.1#

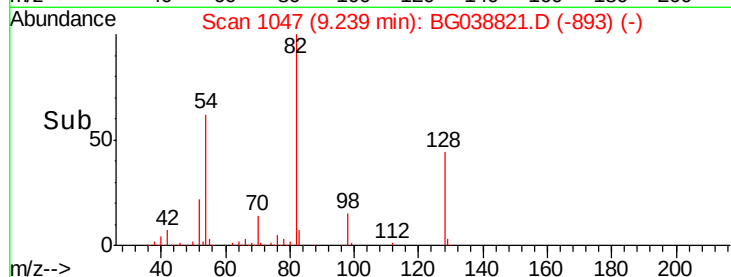
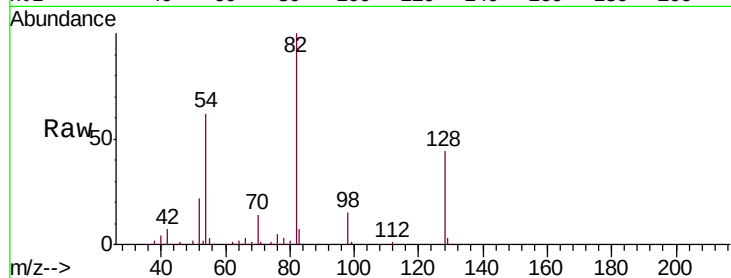
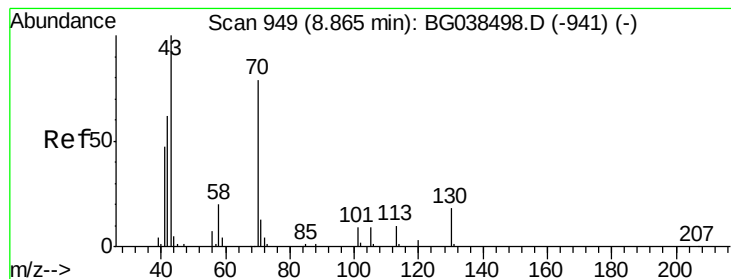


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.839 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

Instrument :

BNA_G

ClientSampleId :

337-SOIL

Tgt Ion: 70 Resp: 32489

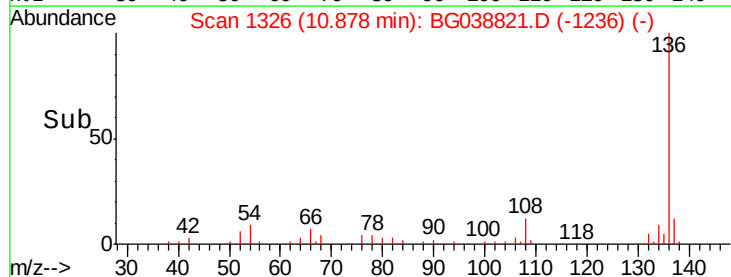
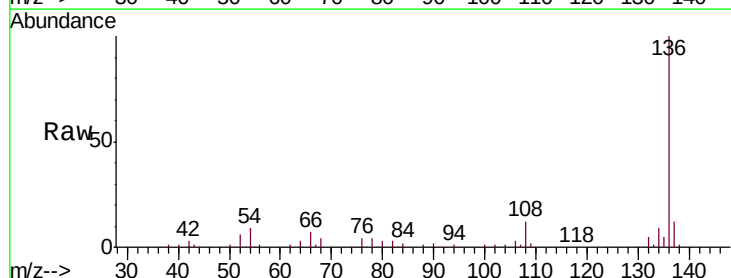
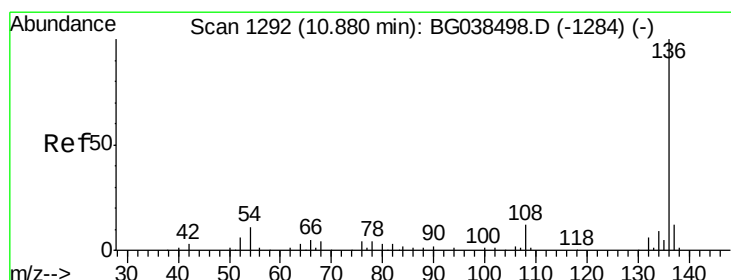
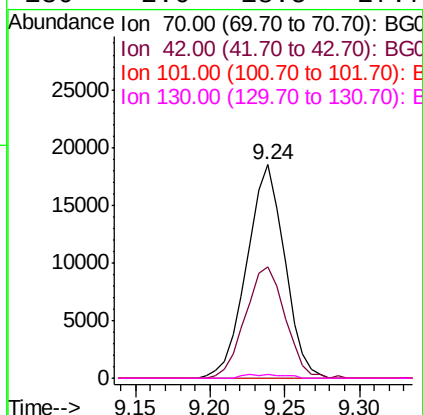
Ion Ratio Lower Upper

70 100

42 52.2 63.6 95.4#

101 0.0 9.2 13.8#

130 2.0 18.5 27.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

Tgt Ion: 136 Resp: 127563

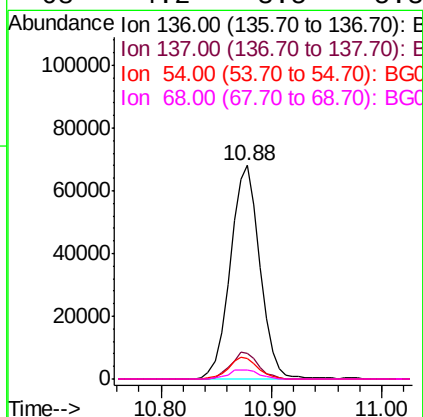
Ion Ratio Lower Upper

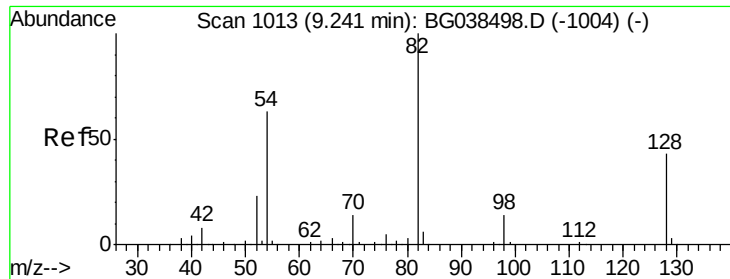
136 100

137 11.7 9.3 13.9

54 9.4 8.5 12.7

68 4.2 3.5 5.3

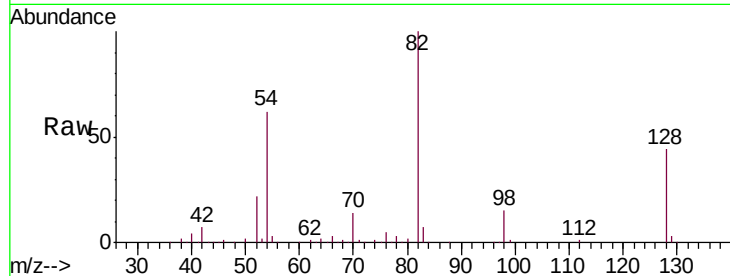




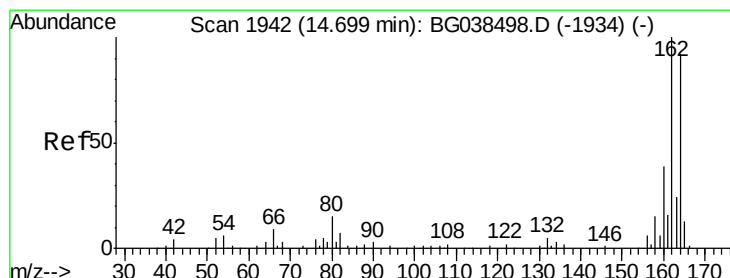
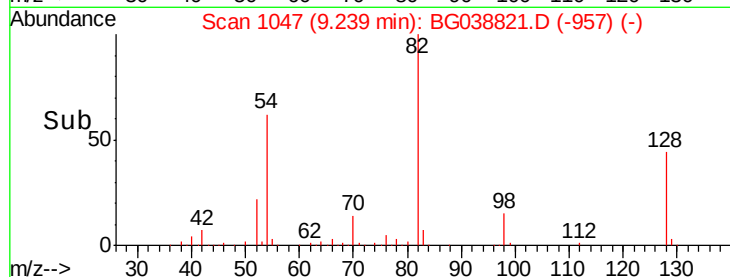
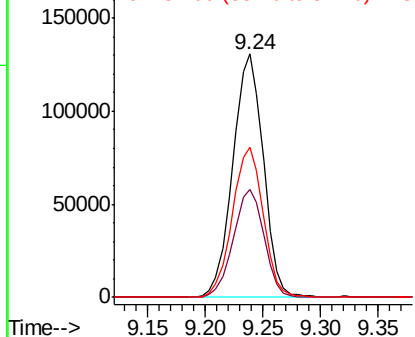
#23
Nitrobenzene-d5
Concen: 96.107 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

Instrument :
BNA_G
ClientSampleId :
337-SOIL

Tgt Ion: 82 Resp: 239977
Ion Ratio Lower Upper
82 100
128 44.2 34.6 52.0
54 61.6 50.6 76.0

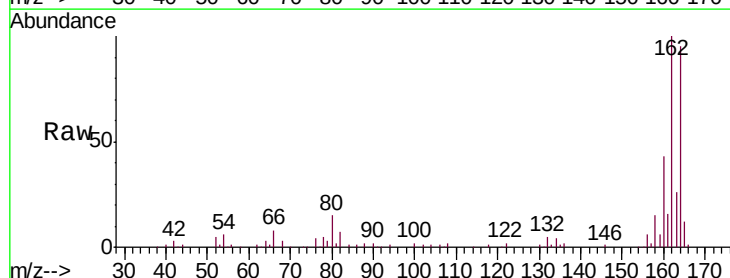


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

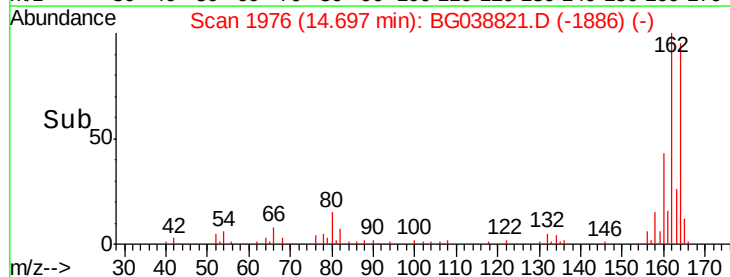
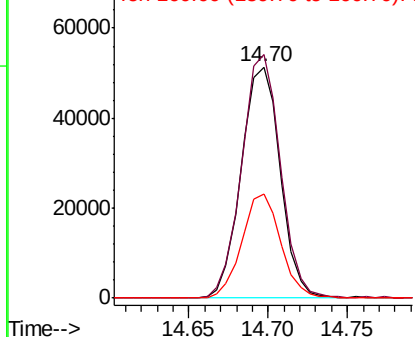


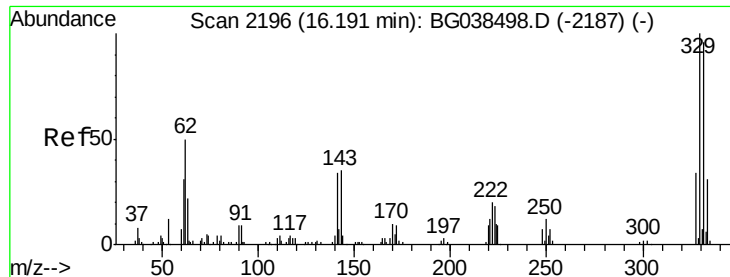
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

Tgt Ion: 164 Resp: 88240
Ion Ratio Lower Upper
164 100
162 105.5 86.6 130.0
160 45.0 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

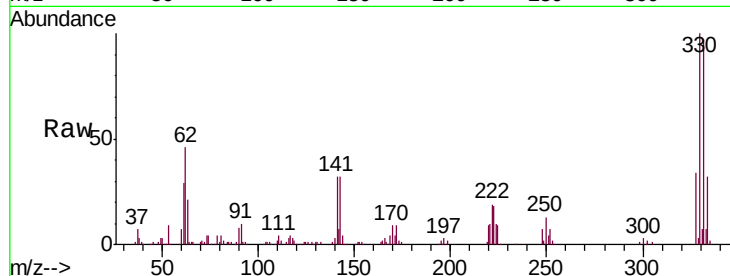




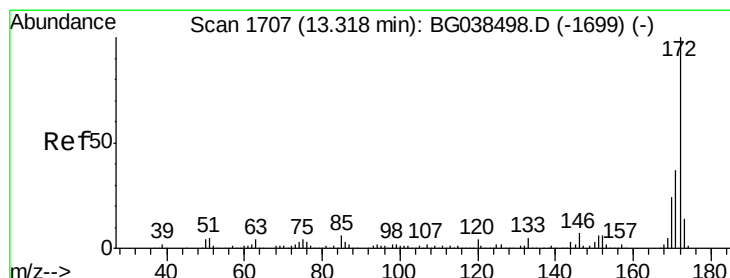
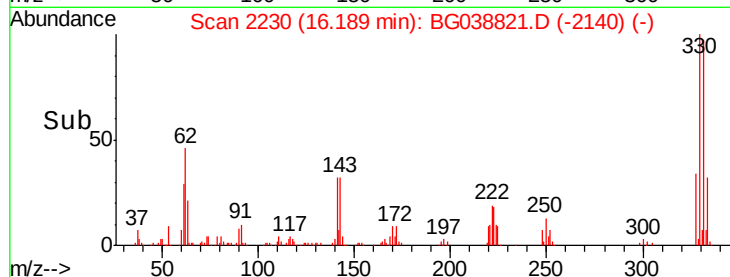
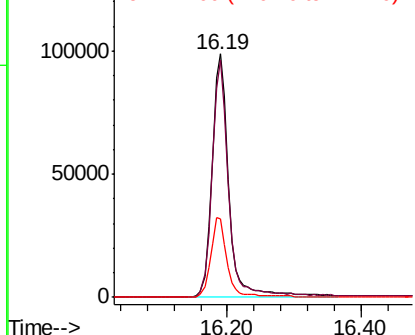
#42
 2,4,6-Tribromophenol
 Concen: 145.317 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG038821.D
 Acq: 22 Dec 2018 17:13

Instrument :
 BNA_G
 ClientSampleId :
 337-SOIL

Tgt Ion:330 Resp: 176721
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.9 115.3
 141 32.3 28.8 43.2

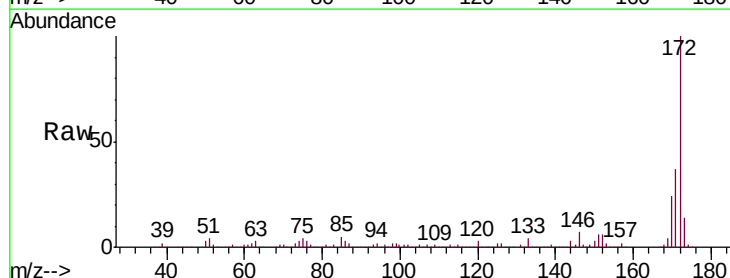


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

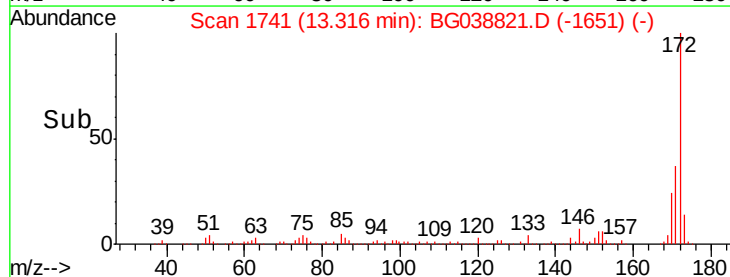
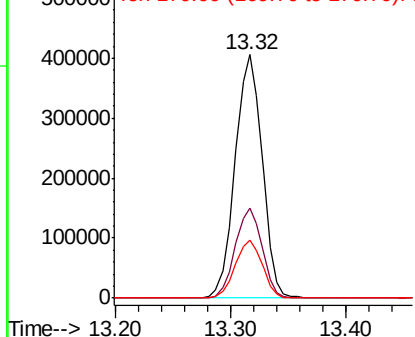


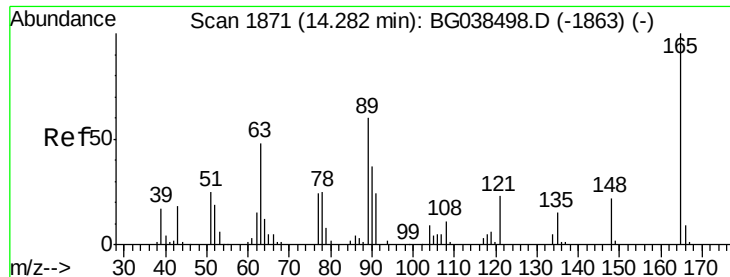
#45
 2-Fluorobiphenyl
 Concen: 102.357 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038821.D
 Acq: 22 Dec 2018 17:13

Tgt Ion:172 Resp: 658382
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 23.9 19.5 29.3



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

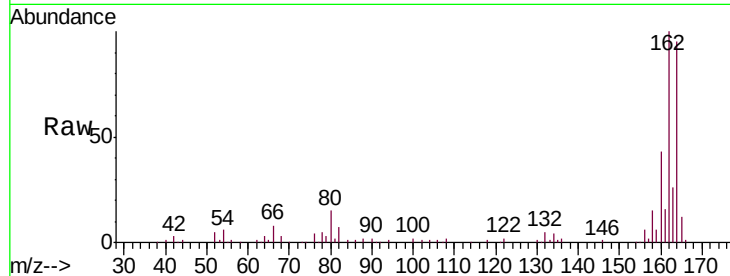




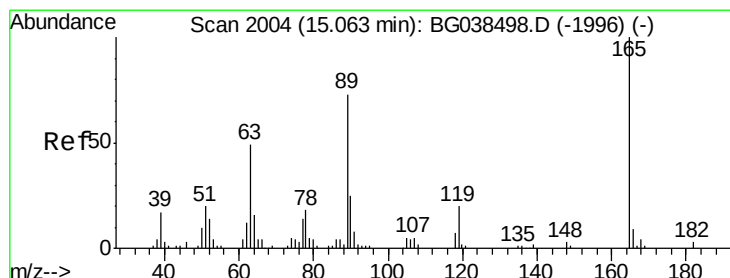
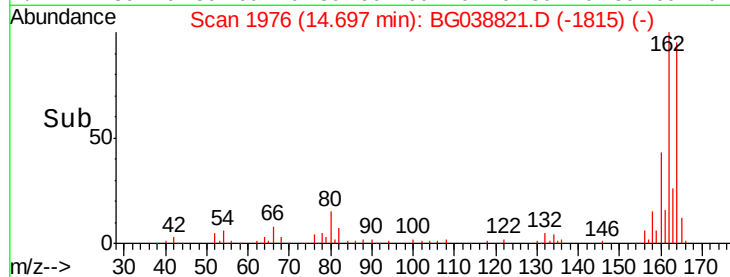
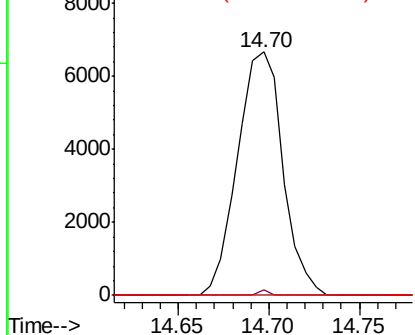
#51
 2,6-Dinitrotoluene
 Concen: 7.126 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038821.D
 Acq: 22 Dec 2018 17:13

Instrument :
 BNA_G
 ClientSampled :
 337-SOIL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	51.8	77.6#
89	0.0	47.9	71.9#



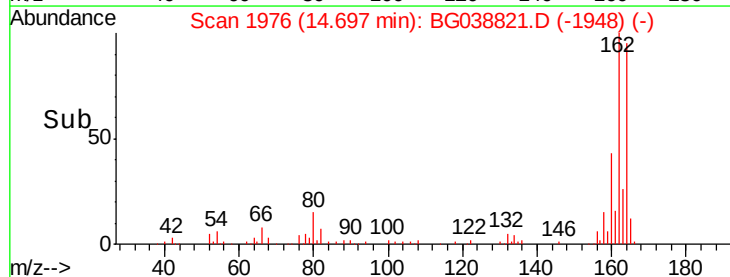
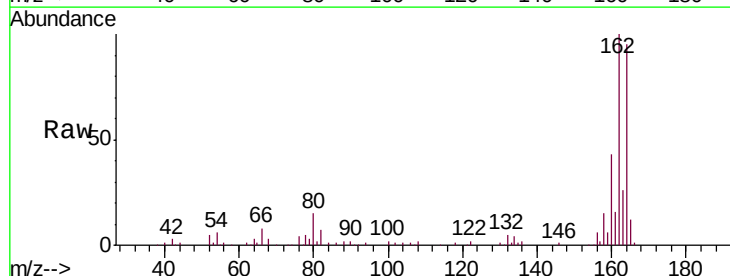
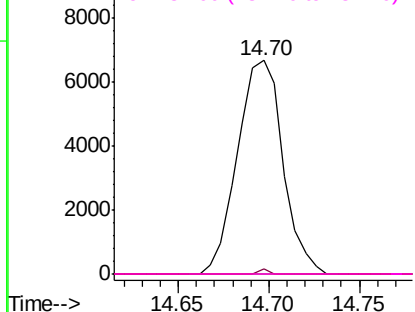
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

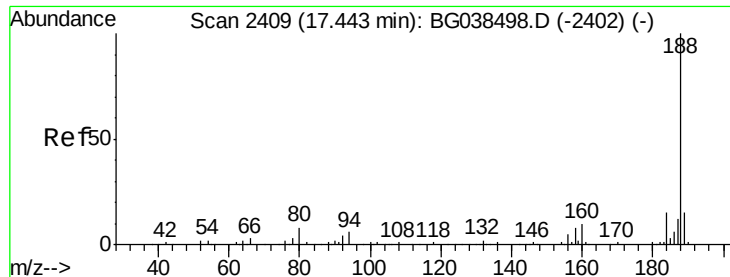


#57
 2,4-Dinitrotoluene
 Concen: 5.059 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038821.D
 Acq: 22 Dec 2018 17:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

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: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

Instrument :

BNA_G

ClientSampleId :

337-SOIL

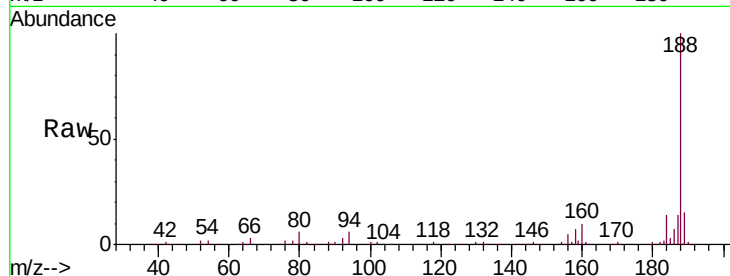
Tgt Ion:188 Resp: 200696

Ion Ratio Lower Upper

188 100

94 5.6 5.1 7.7

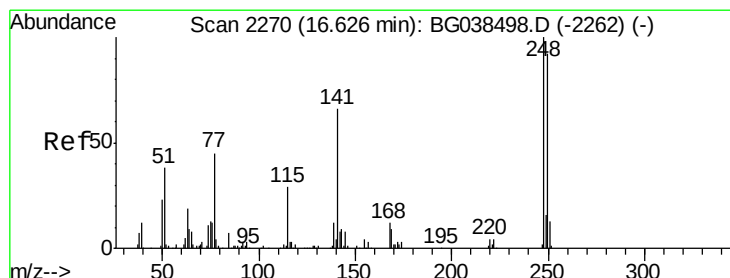
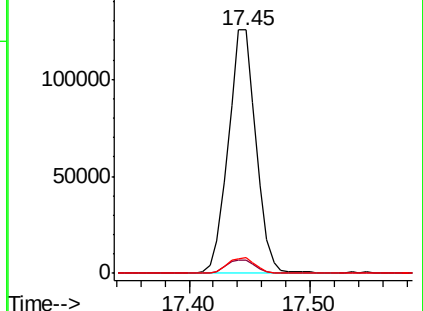
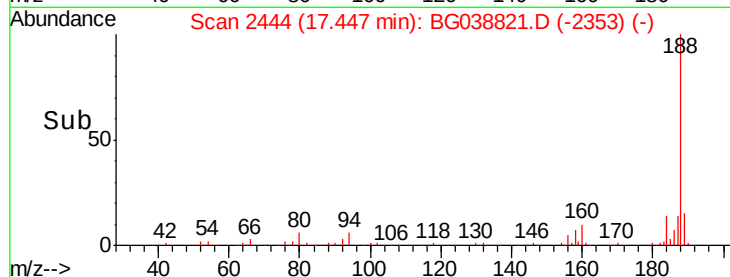
80 6.3 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.589 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

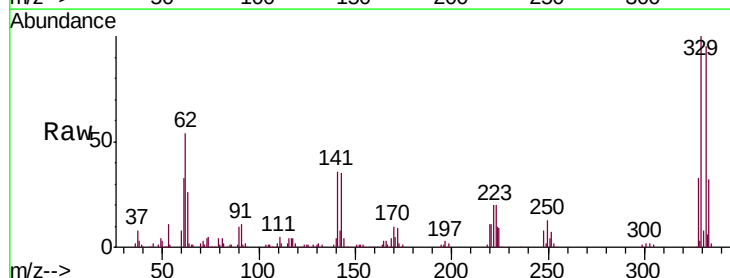
Tgt Ion:248 Resp: 11249

Ion Ratio Lower Upper

248 100

250 183.1 73.4 110.2#

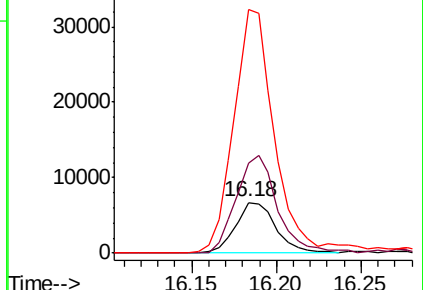
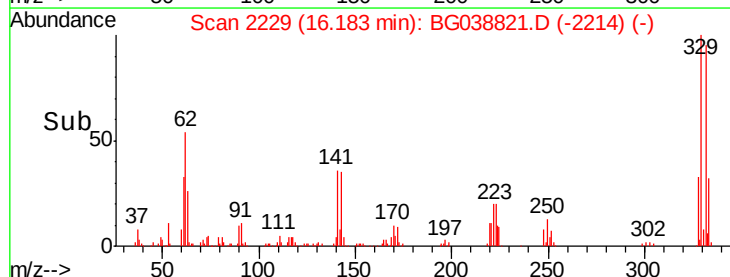
141 381.7 52.9 79.3#

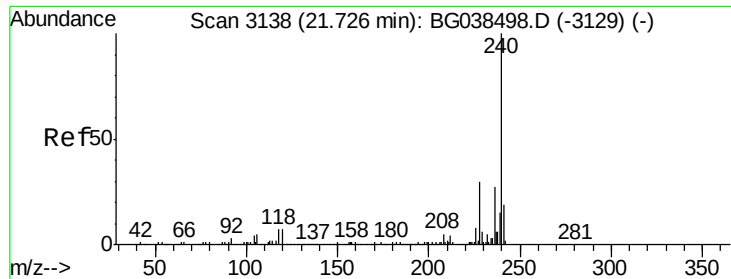


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

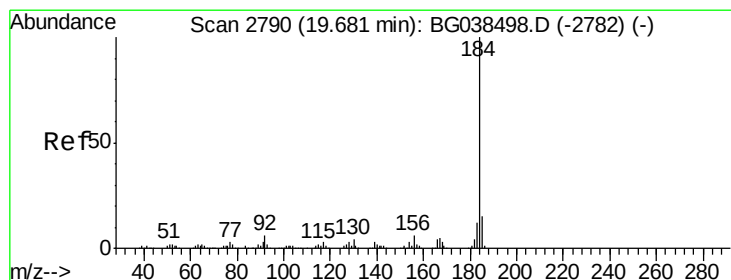
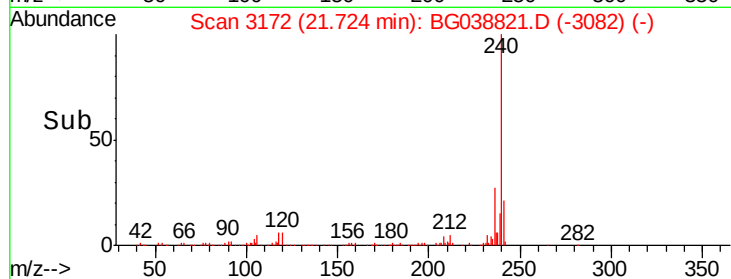
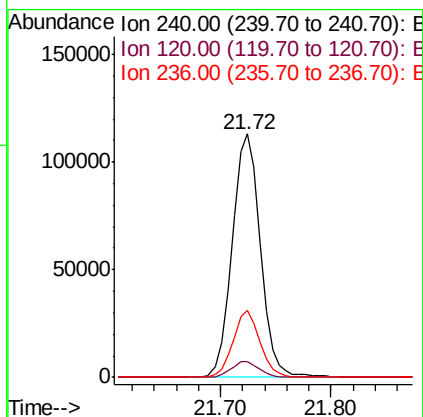
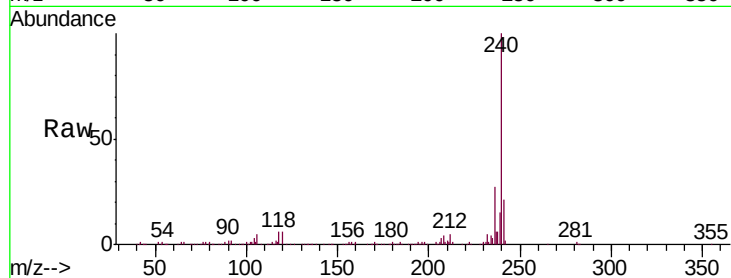




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

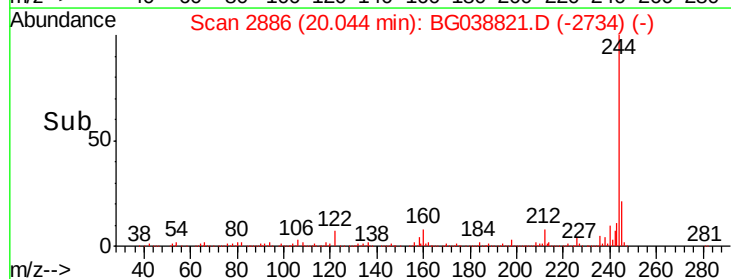
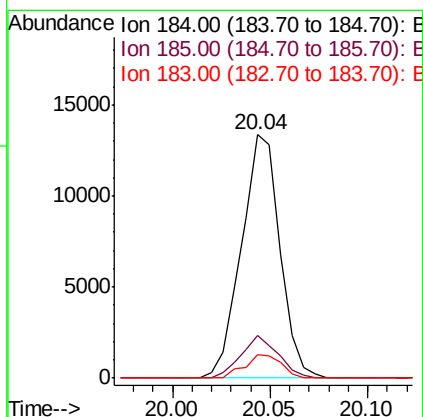
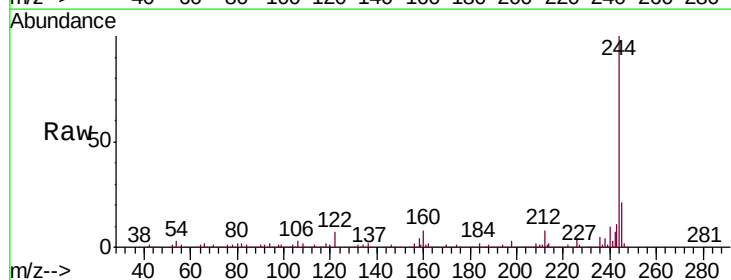
Instrument :
BNA_G
ClientSampled :
337-SOIL

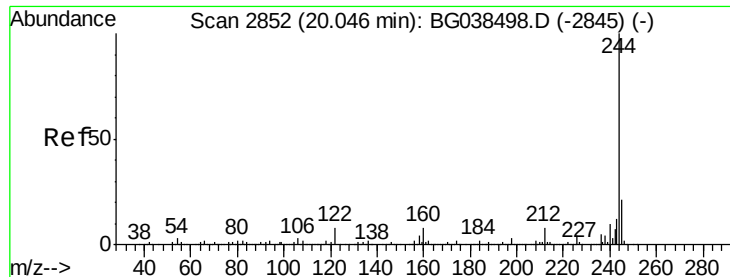
Tgt Ion:240 Resp: 202527
Ion Ratio Lower Upper
240 100
120 6.3 5.3 7.9
236 27.4 21.4 32.2



#77
Benzidine
Concen: 3.043 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038821.D
Acq: 22 Dec 2018 17:13

Tgt Ion:184 Resp: 18224
Ion Ratio Lower Upper
184 100
185 17.4 12.2 18.2
183 9.5 9.6 14.4#





#79

Terphenyl-d14

Concen: 116.285 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

Instrument :

BNA_G

ClientSampled :

337-SOIL

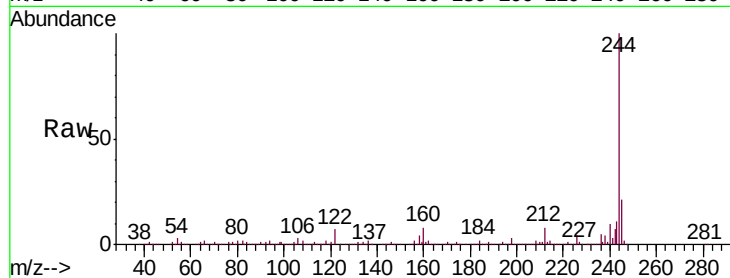
Tgt Ion:244 Resp: 1082133

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

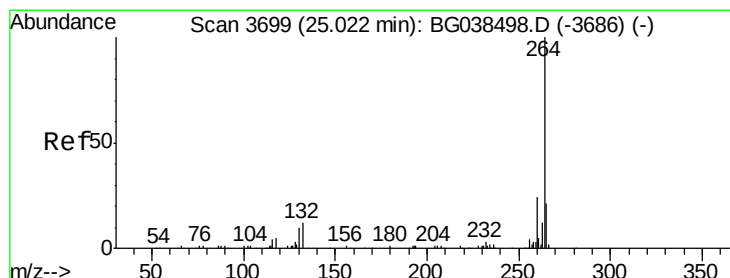
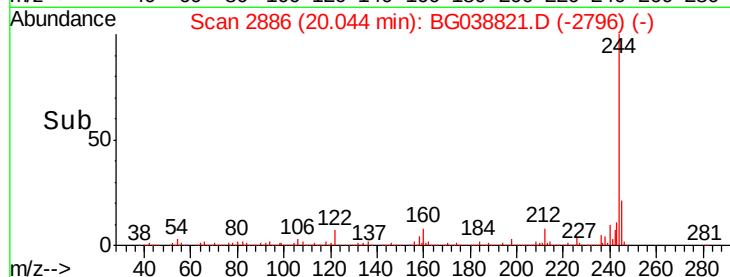
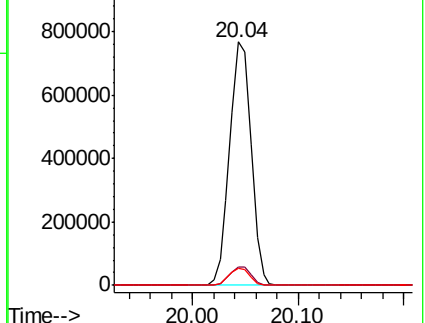
122 7.1 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038821.D

Acq: 22 Dec 2018 17:13

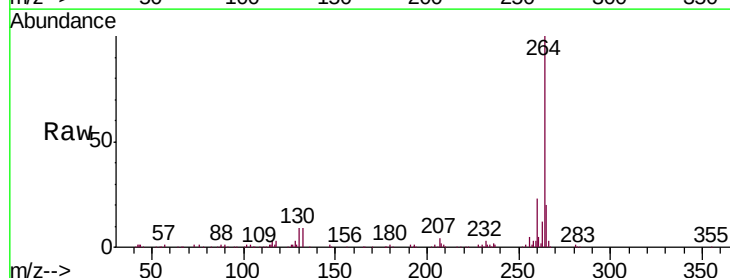
Tgt Ion:264 Resp: 215518

Ion Ratio Lower Upper

264 100

260 22.8 18.9 28.3

265 20.3 17.0 25.4



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

