

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033218.D
 Acq On : 17 Mar 2018 5:00
 Operator : SJ/JU
 Sample : J1931-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1488-SOIL

Quant Time: Mar 19 04:03:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

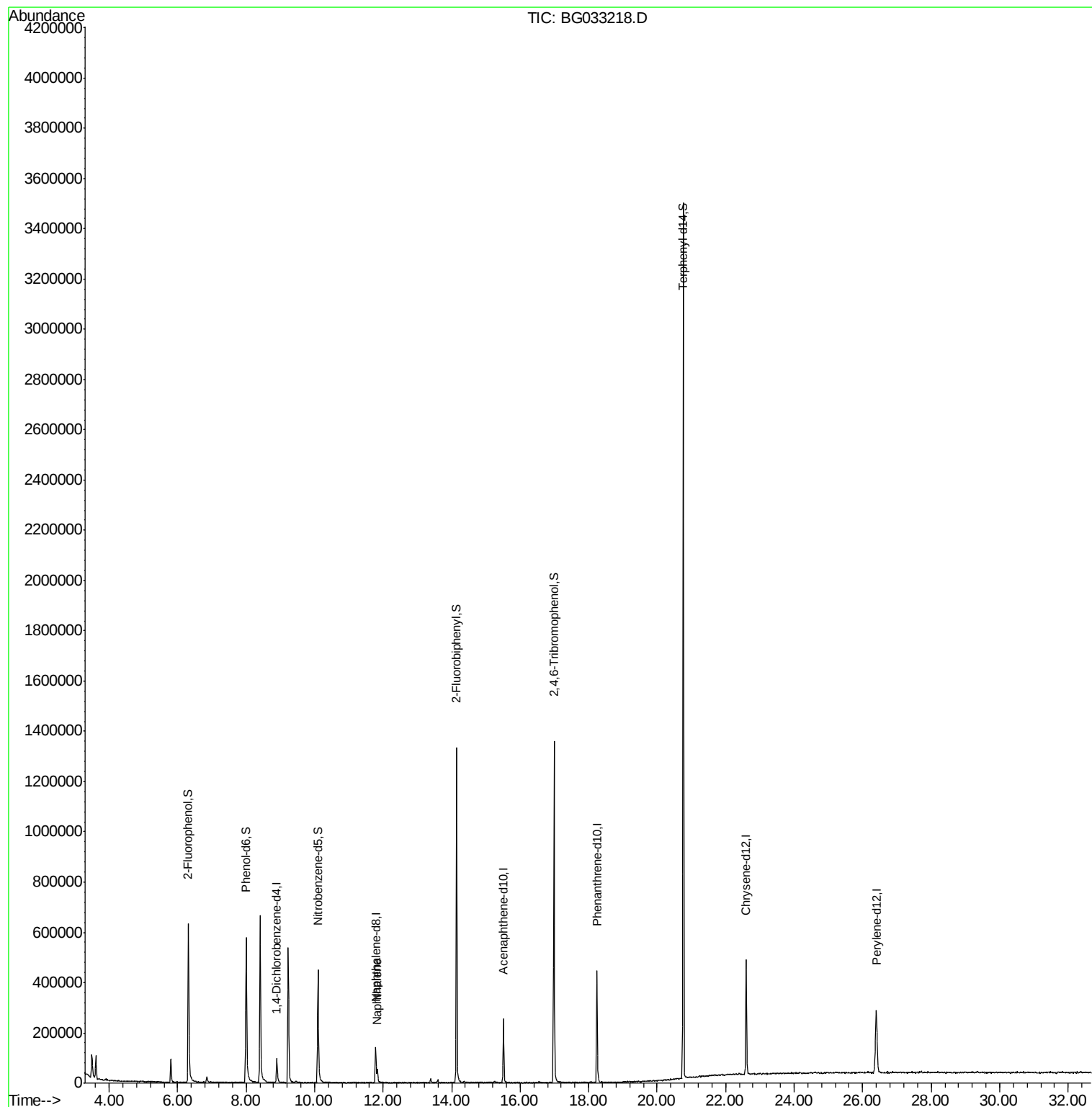
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	34824	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	136143	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	100728	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	297821	20.00	ng	0.00
75) Chrysene-d12	22.60	240	319591	20.00	ng	-0.01
86) Perylene-d12	26.40	264	340619	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	307903	141.45	ng	0.00
7) Phenol-d6	8.00	99	425664	140.30	ng	-0.01
23) Nitrobenzene-d5	10.09	82	340995	163.46	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	289536	273.37	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	761173	108.99	ng	0.00
78) Terphenyl-d14	20.76	244	1679808	118.09	ng	0.00
Target Compounds						
31) Naphthalene	11.83	128	48226	6.779	ng	Qvalue # 95

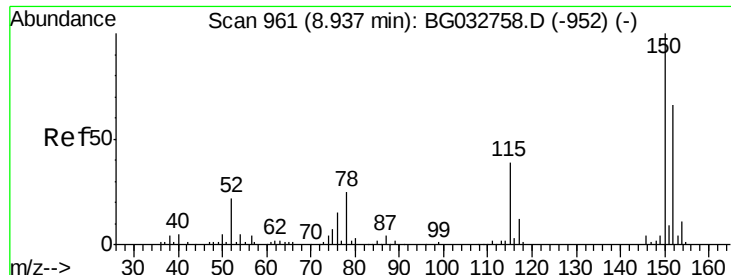
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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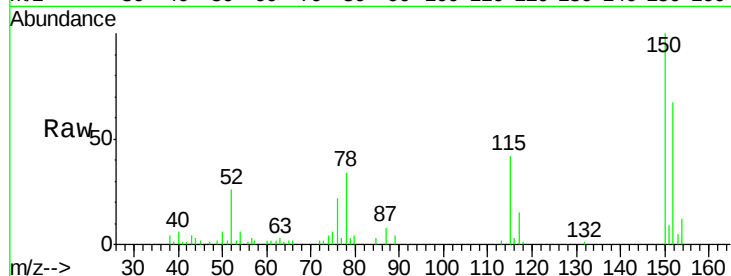


#1

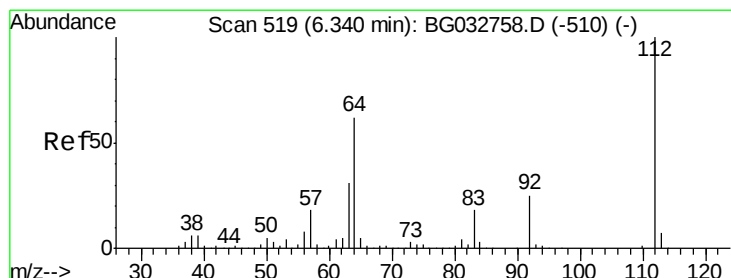
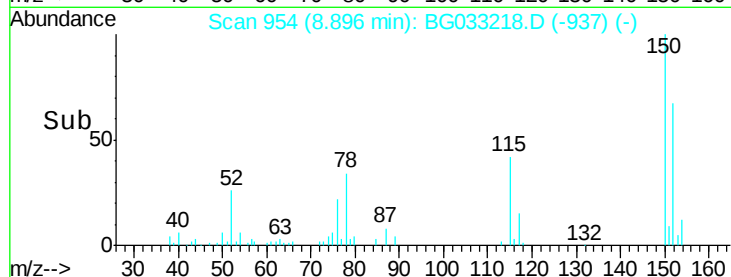
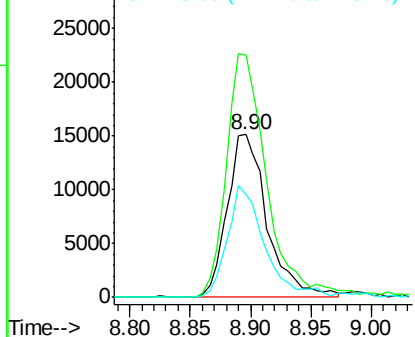
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampleId :
1488-SOIL

Tot Ion:152 Resp: 34824
Ion Ratio Lower Upper
152 100
150 149.6 126.6 189.8
115 63.1 53.0 79.4



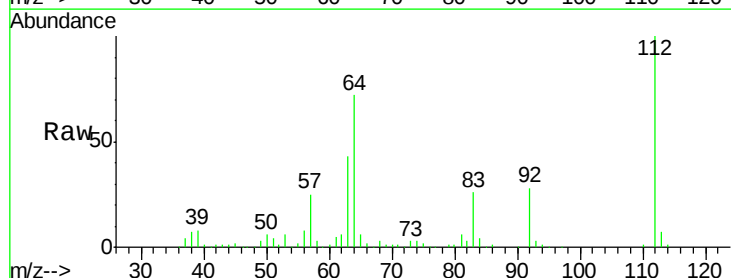
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



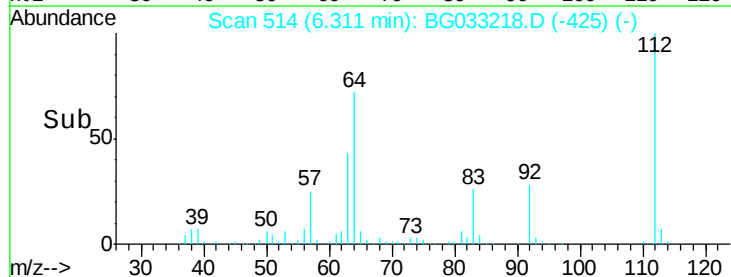
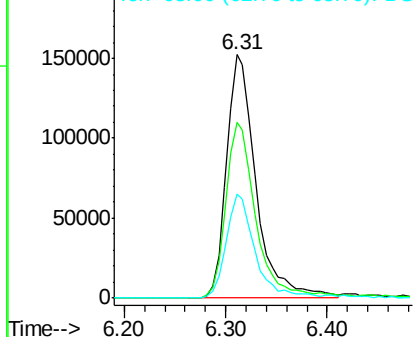
#5

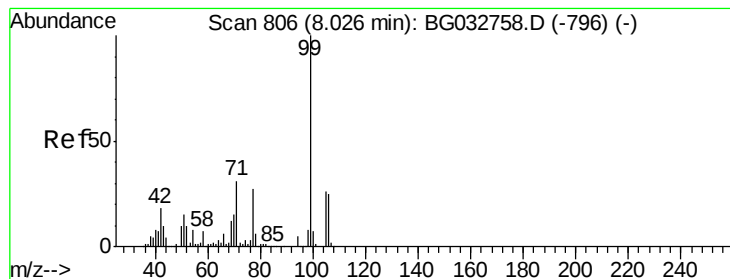
2-Fluorophenol
Concen: 141.454 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Tgt Ion:112 Resp: 307903
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 42.6 30.1 45.1



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: 140.297 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

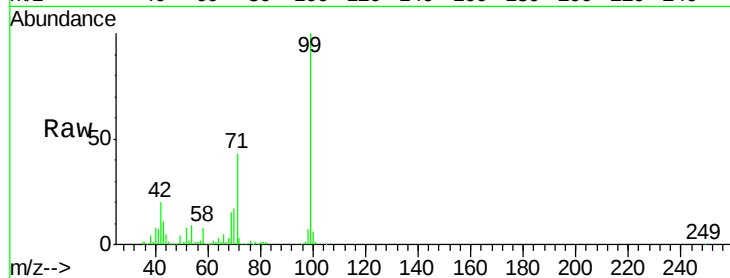
Tot Ion: 99 Resp: 425664

Ion Ratio Lower Upper

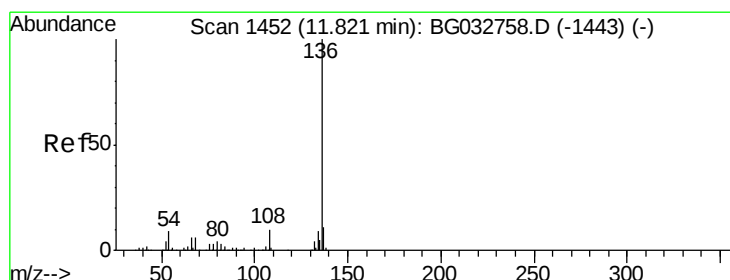
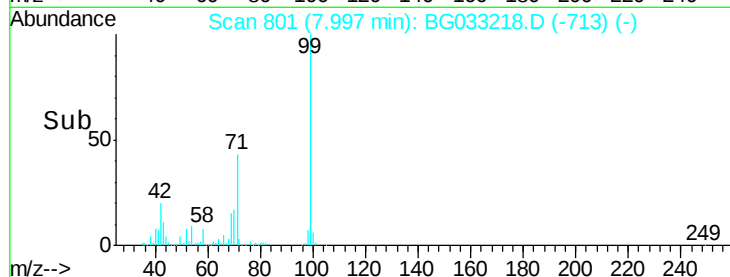
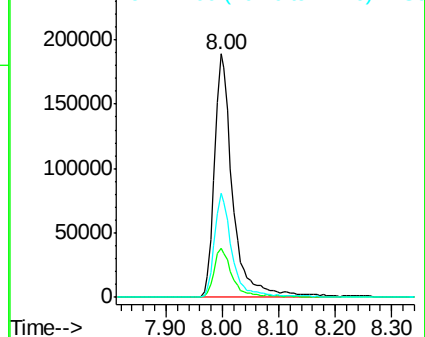
99 100

42 20.2 14.1 21.1

71 42.5 26.1 39.1#



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: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Tgt Ion: 136 Resp: 136143

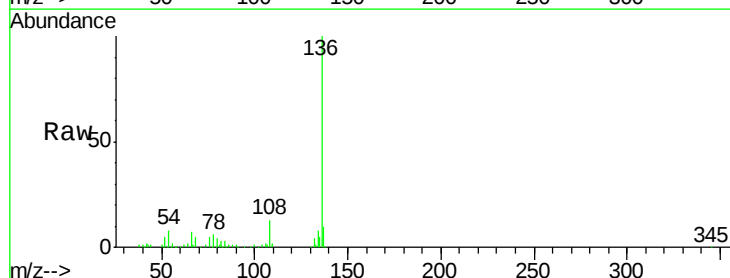
Ion Ratio Lower Upper

136 100

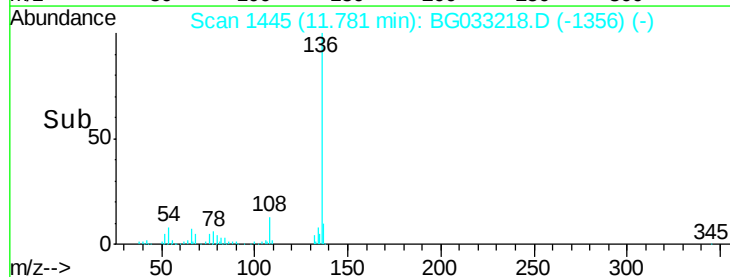
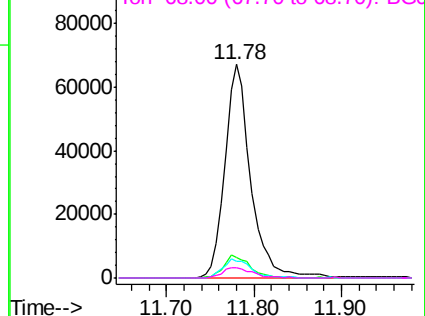
137 9.6 9.2 13.8

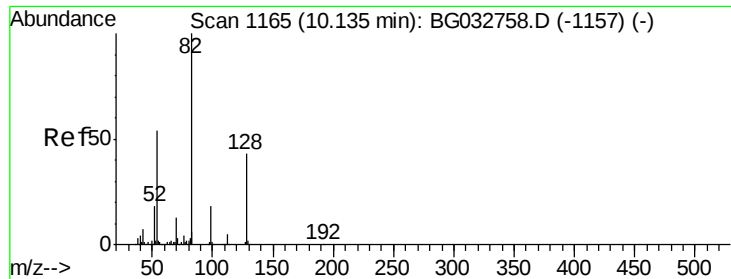
54 8.0 10.3 15.5#

68 5.0 4.5 6.7



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





#23

Nitrobenzene-d5

Concen: 163.455 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampleId :

1488-SOIL

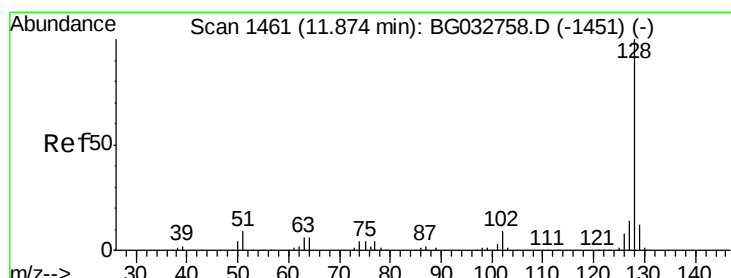
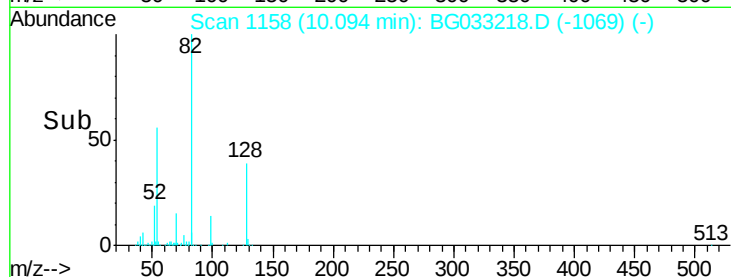
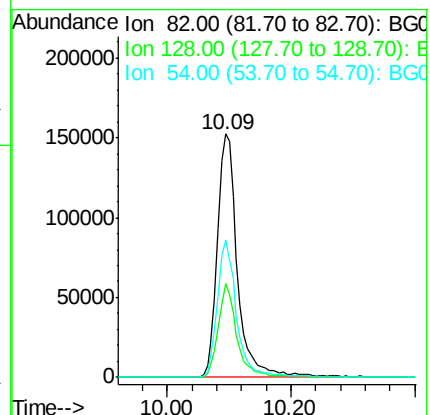
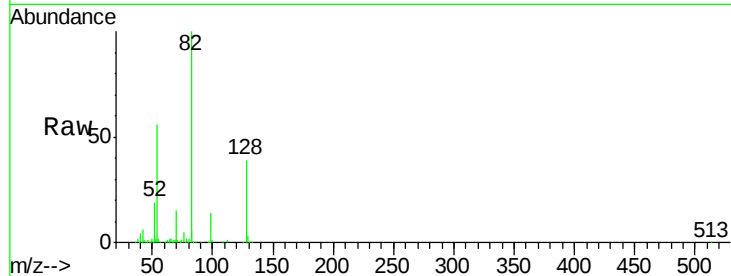
Tot Ion: 82 Resp: 340995

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

54 56.2 43.1 64.7



#31

Naphthalene

Concen: 6.779 ng

RT: 11.83 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

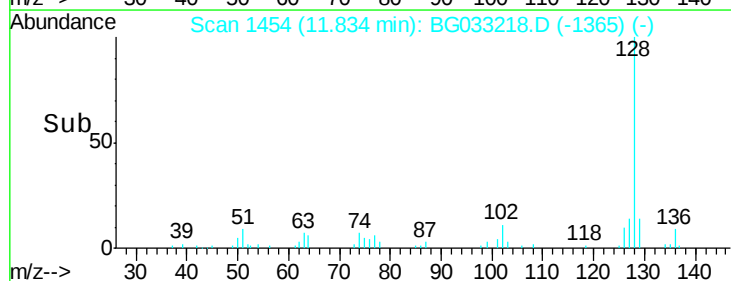
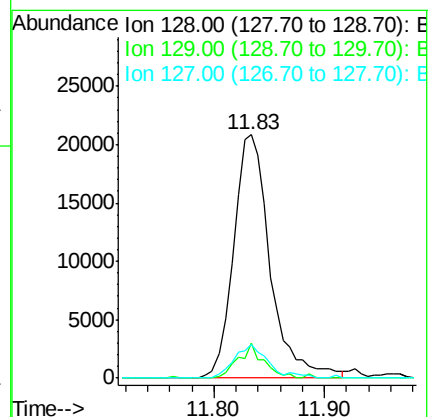
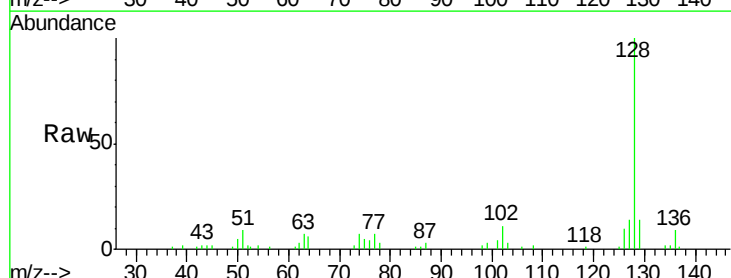
Tgt Ion: 128 Resp: 48226

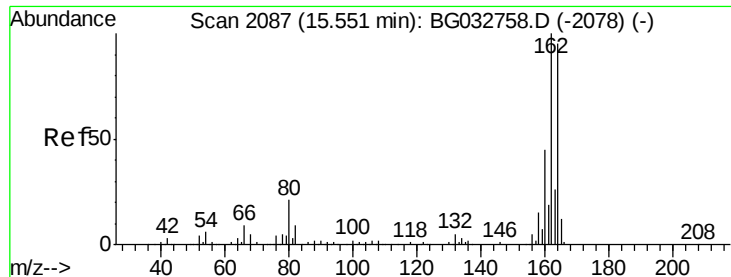
Ion Ratio Lower Upper

128 100

129 14.2 8.6 12.8#

127 13.6 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

Instrument :

BNA_G

ClientSampled :

1488-SOIL

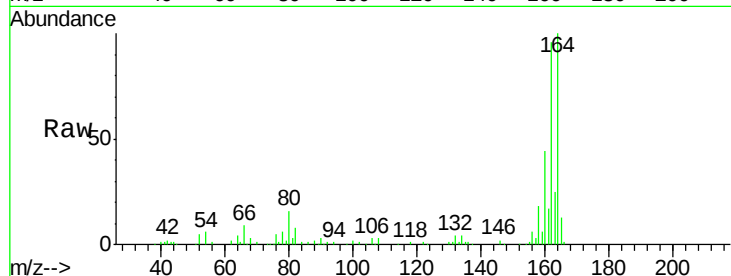
Tot Ion:164 Resp: 100728

Ion Ratio Lower Upper

164 100

162 95.8 78.8 118.2

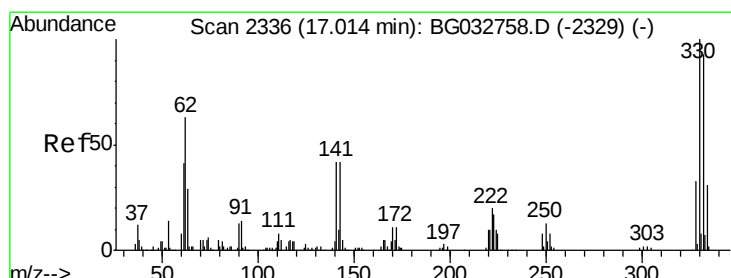
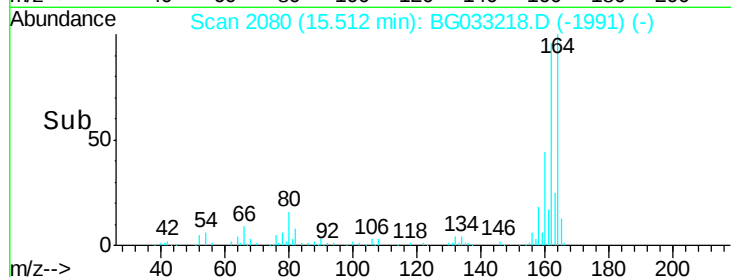
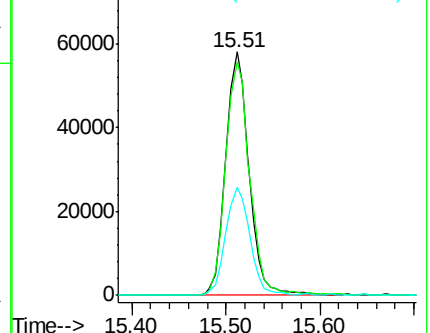
160 44.2 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 273.374 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033218.D

Acq: 17 Mar 2018 5:00

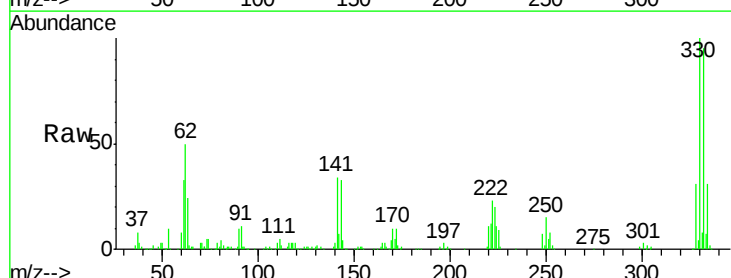
Tgt Ion:330 Resp: 289536

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

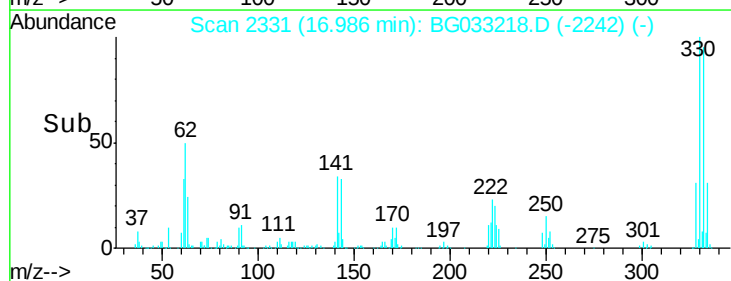
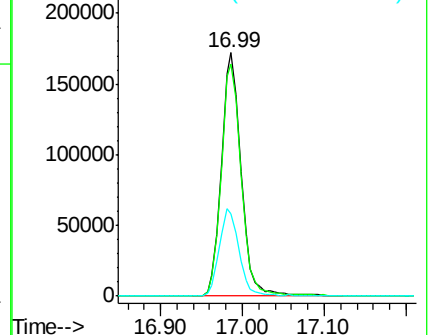
141 36.2 25.2 37.8

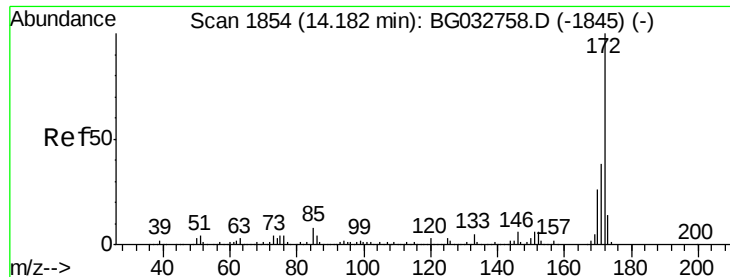


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

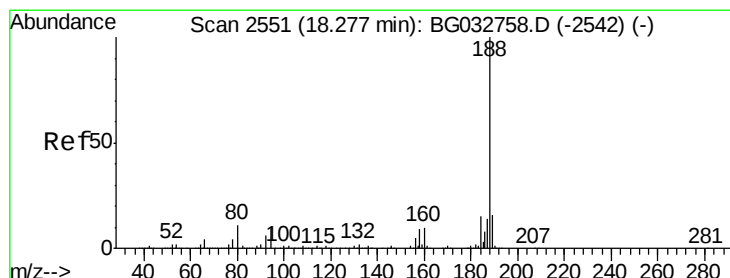
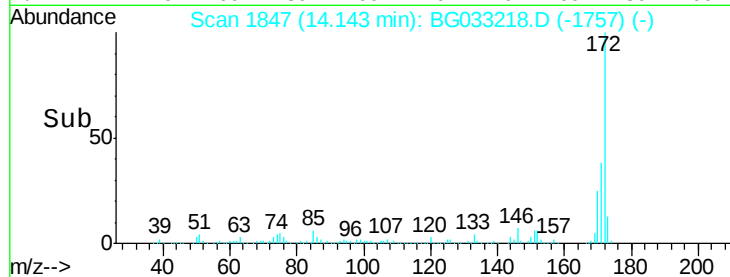
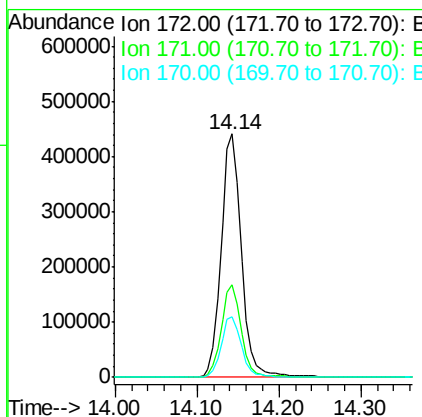
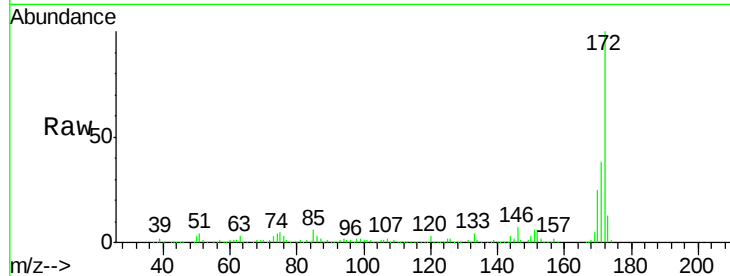




#44
 2-Fluorobiphenyl
 Concen: 108.987 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

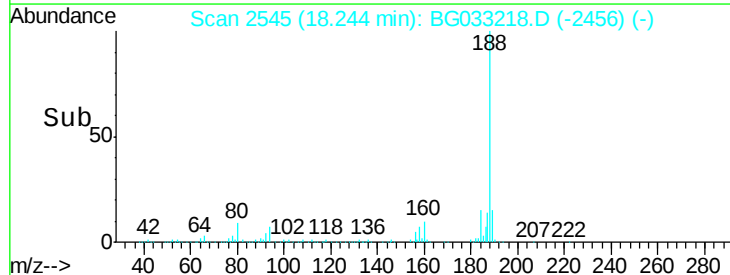
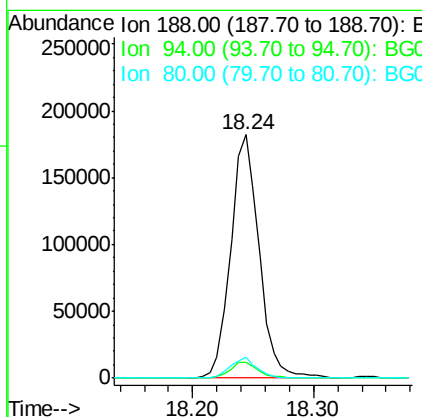
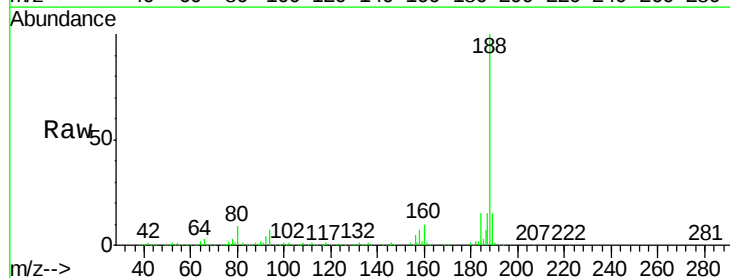
Instrument :
 BNA_G
 ClientSampleId :
 1488-SOIL

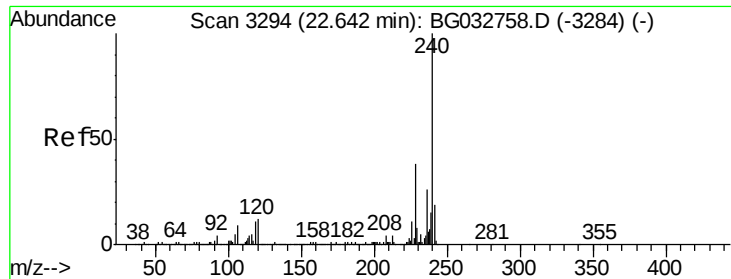
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	25.1	19.5	29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	8.5	7.7	11.5

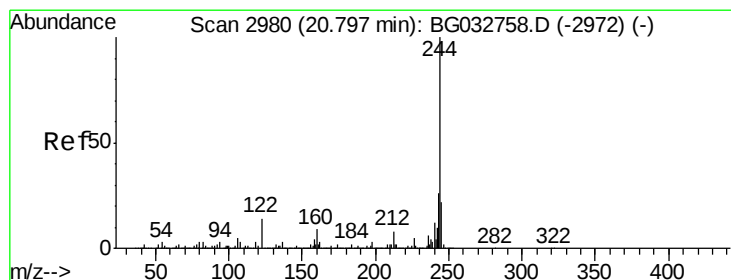
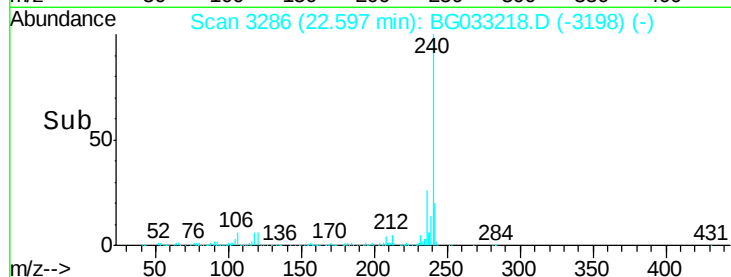
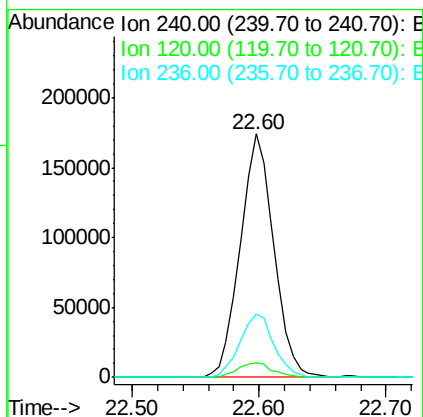
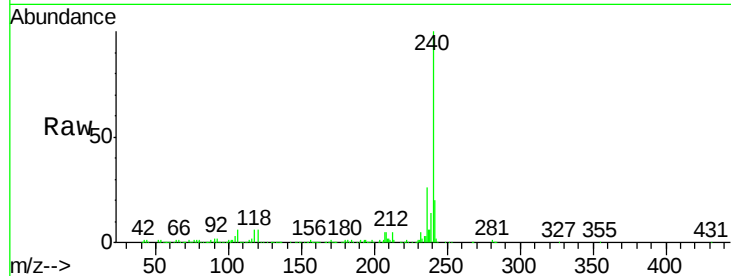




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3286
 Delta R.T. -0.01 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

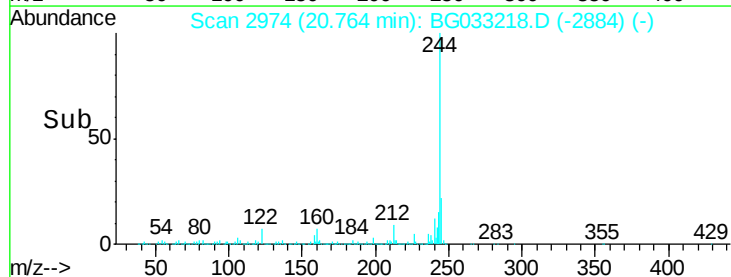
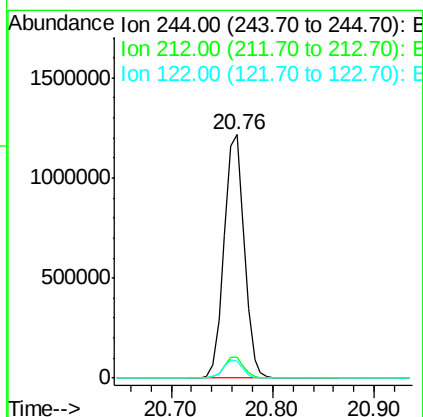
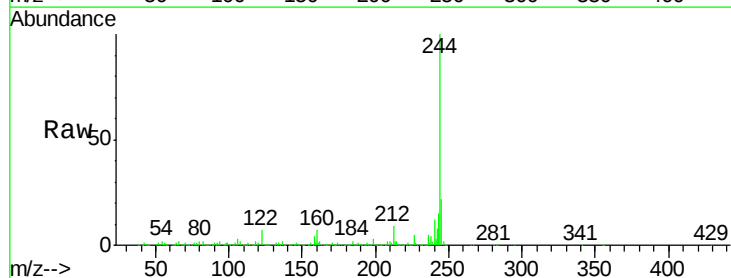
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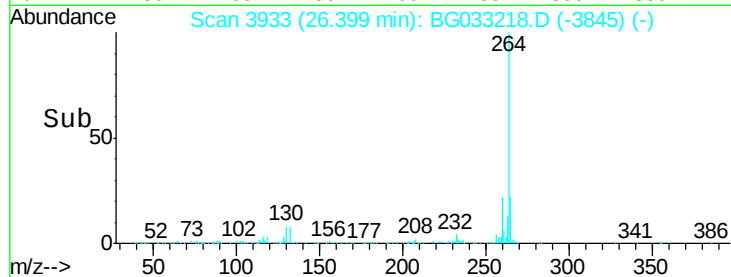
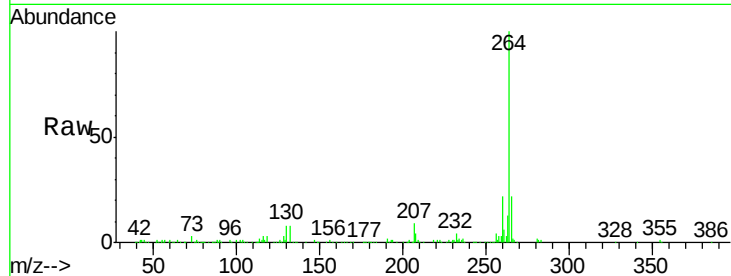
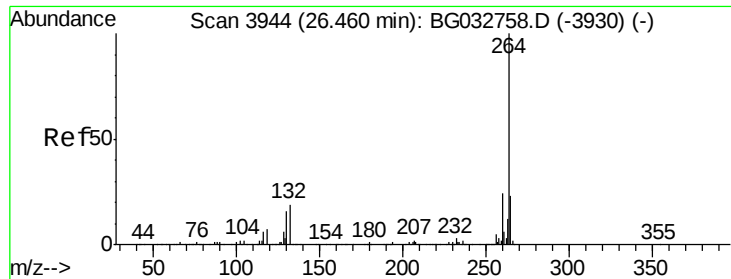
Tot Ion:240 Resp: 319591
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.8 10.2#
 236 25.7 20.9 31.3



#78
 Terphenyl-d14
 Concen: 118.091 ng
 RT: 20.76 min Scan# 2974
 Delta R.T. 0.00 min
 Lab File: BG033218.D
 Acq: 17 Mar 2018 5:00

Tgt Ion:244 Resp: 1679808
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 7.2 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3933
Delta R.T. -0.01 min
Lab File: BG033218.D
Acq: 17 Mar 2018 5:00

Instrument :
BNA_G
ClientSampleId :
1488-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	21.9	17.7	26.5

