

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033200.D
 Acq On : 16 Mar 2018 15:29
 Operator : SJ/JU
 Sample : J1926-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

Quant Time: Mar 17 05:29:50 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

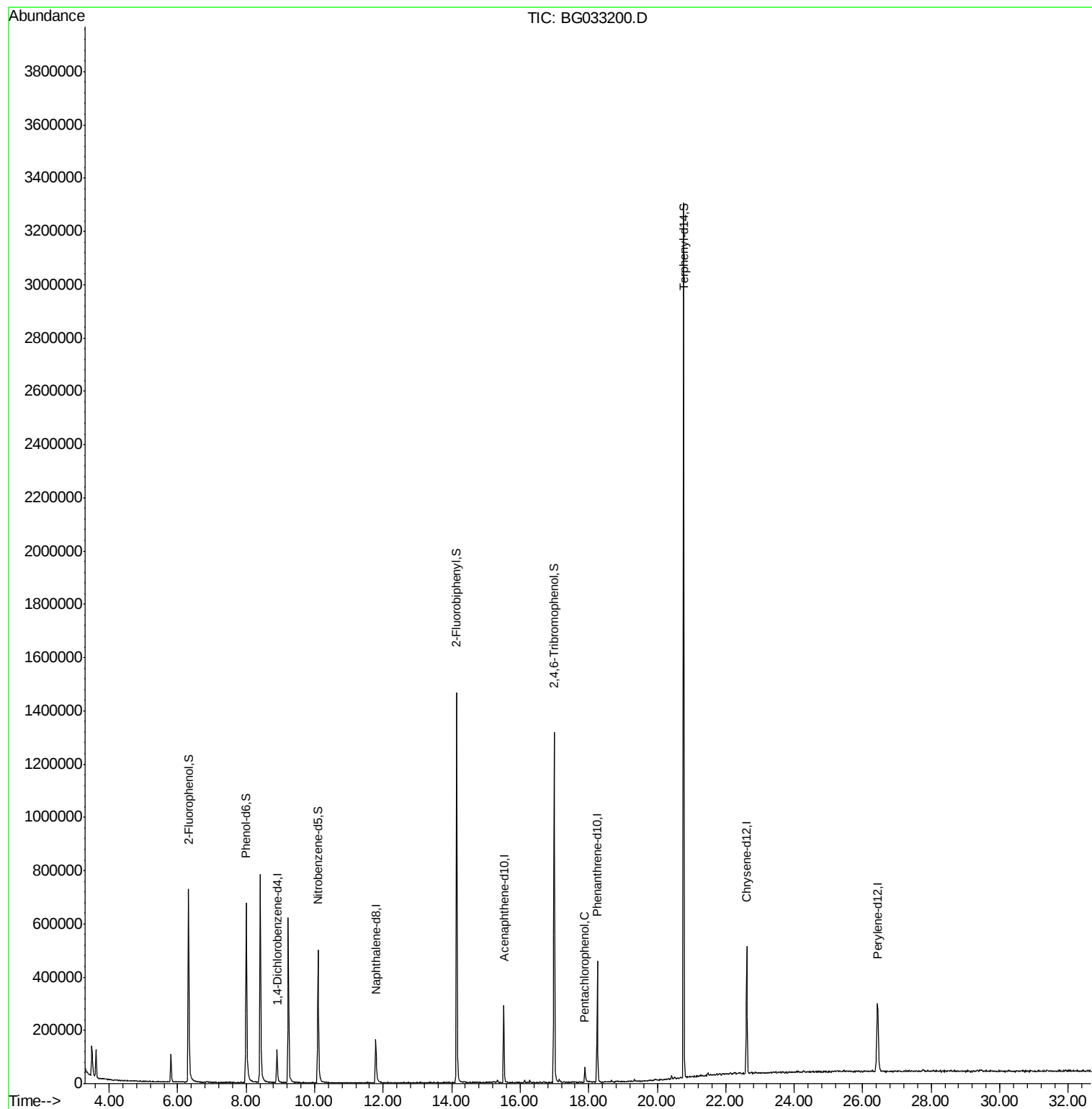
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	41371	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	158998	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110695	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	308552	20.00	ng	0.00
75) Chrysene-d12	22.61	240	325433	20.00	ng	0.00
86) Perylene-d12	26.44	264	345149	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	357385	138.20	ng	0.00
7) Phenol-d6	8.00	99	477299	132.42	ng	0.00
23) Nitrobenzene-d5	10.10	82	369772	152.48	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	265619	228.21	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	813199	105.95	ng	0.00
78) Terphenyl-d14	20.77	244	1572170	108.54	ng	0.00
Target Compounds						
69) Pentachlorophenol	17.89	266	14033	6.319	ng	Qvalue 90

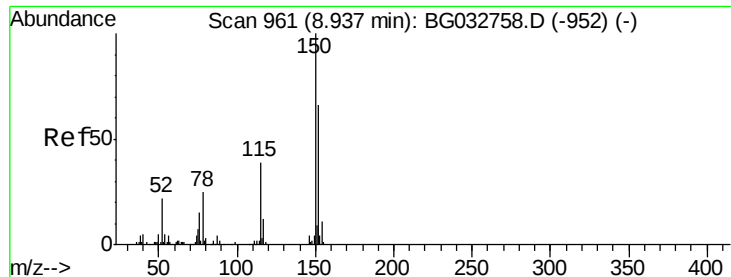
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
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Response via : Initial Calibration



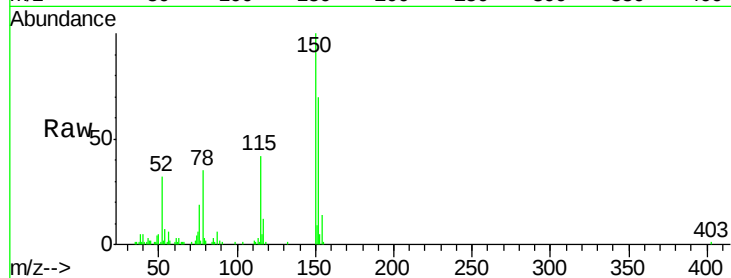


#1

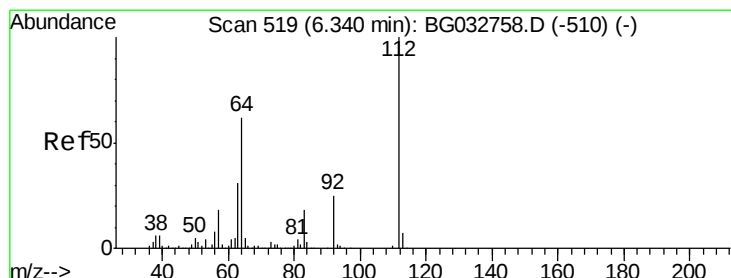
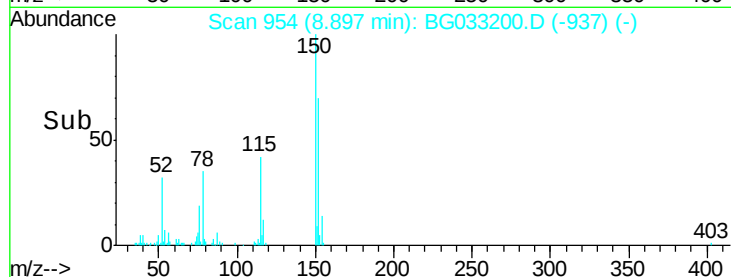
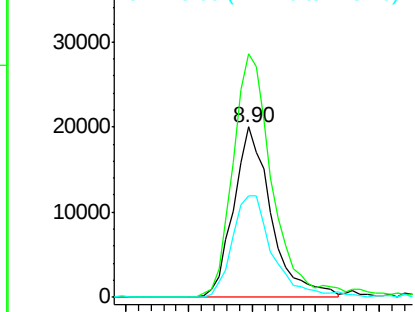
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion:152 Resp: 41371
Ion Ratio Lower Upper
152 100
150 142.7 126.6 189.8
115 59.4 53.0 79.4



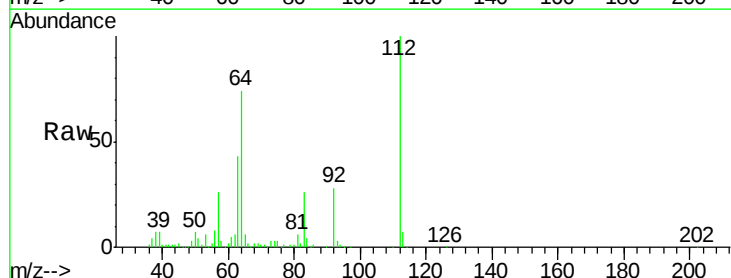
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



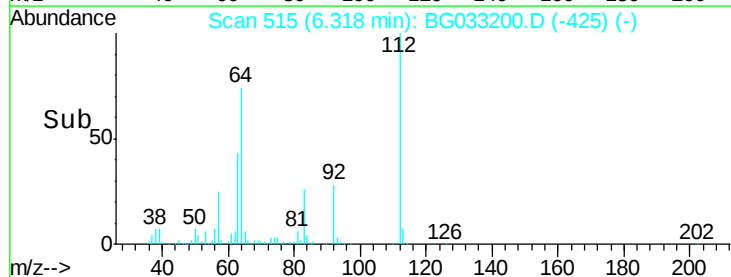
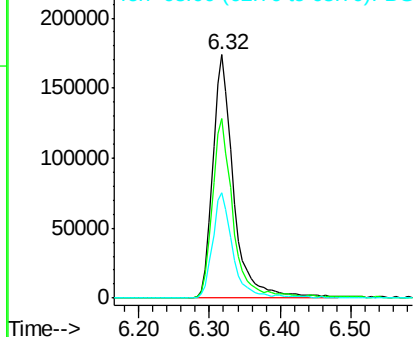
#5

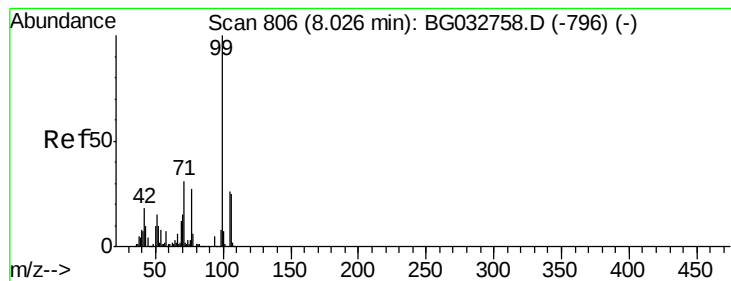
2-Fluorophenol
Concen: 138.204 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion:112 Resp: 357385
Ion Ratio Lower Upper
112 100
64 73.7 56.3 84.5
63 43.4 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: 132.421 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

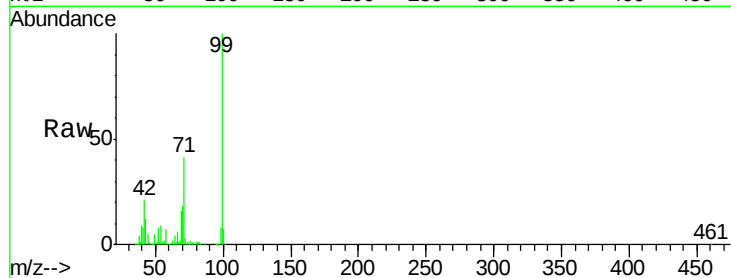
Tot Ion: 99 Resp: 477299

Ion Ratio Lower Upper

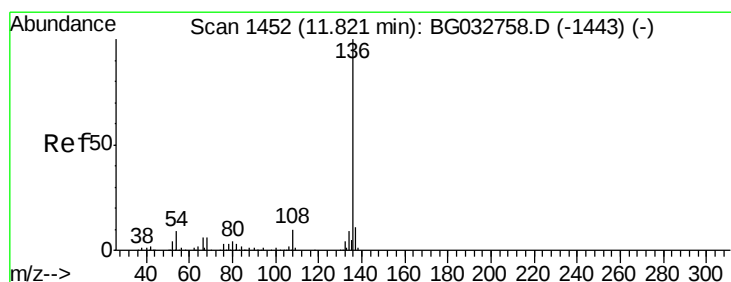
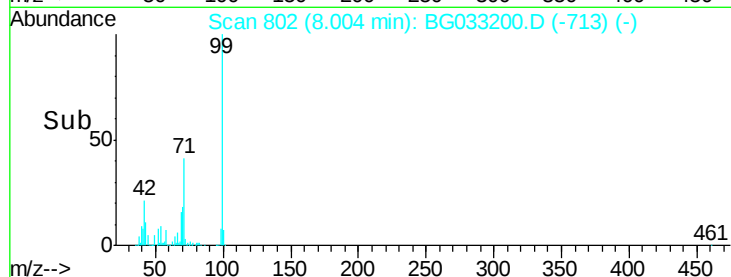
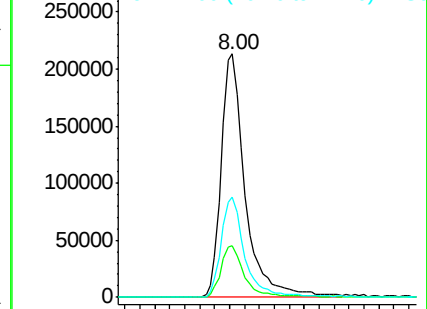
99 100

42 21.2 14.1 21.1#

71 41.3 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: BG033200.D

Acq: 16 Mar 2018 15:29

Tgt Ion: 136 Resp: 158998

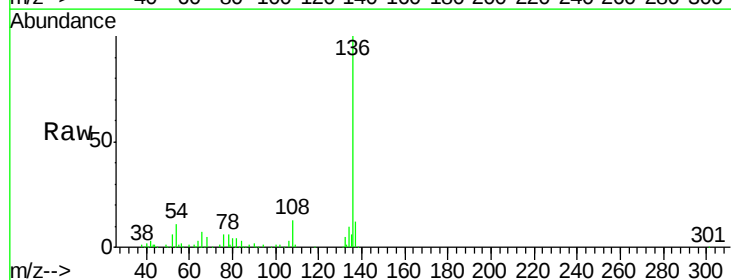
Ion Ratio Lower Upper

136 100

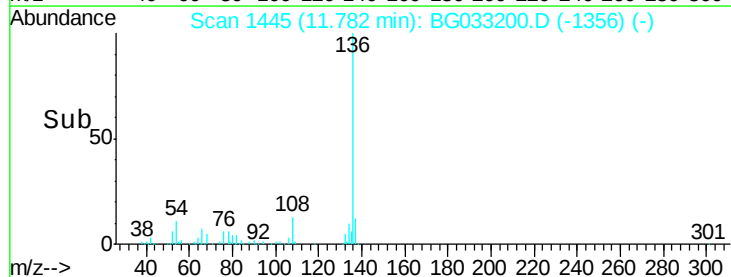
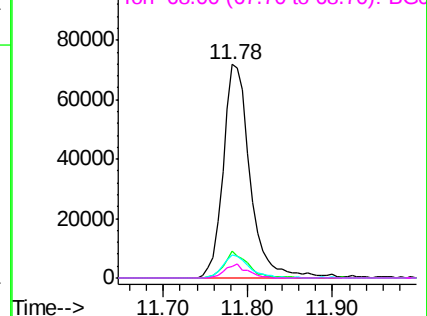
137 12.3 9.2 13.8

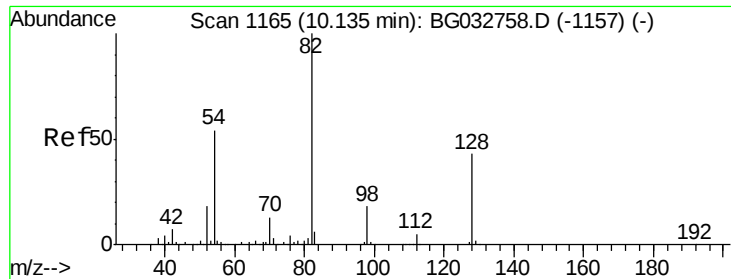
54 10.8 10.3 15.5

68 5.4 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: 152.480 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

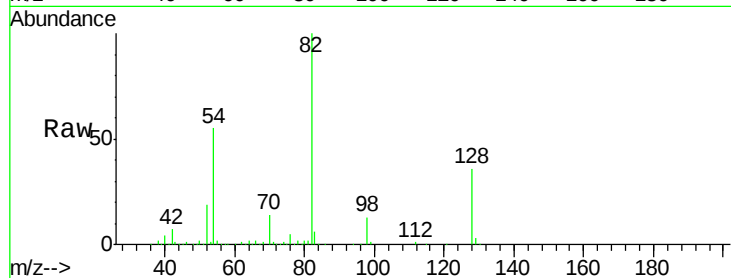
Tot Ion: 82 Resp: 369772

Ion Ratio Lower Upper

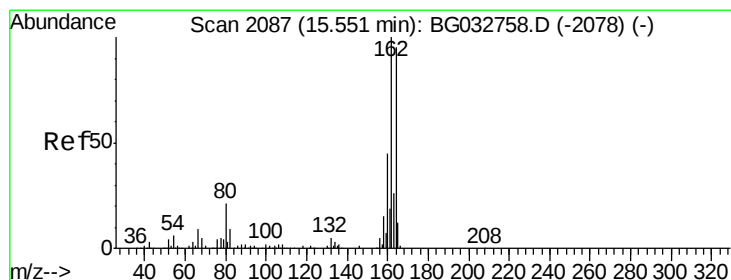
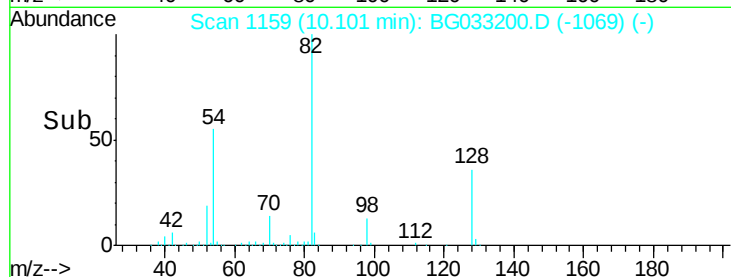
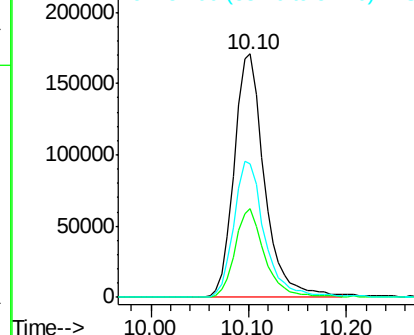
82 100

128 36.5 29.7 44.5

54 55.1 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

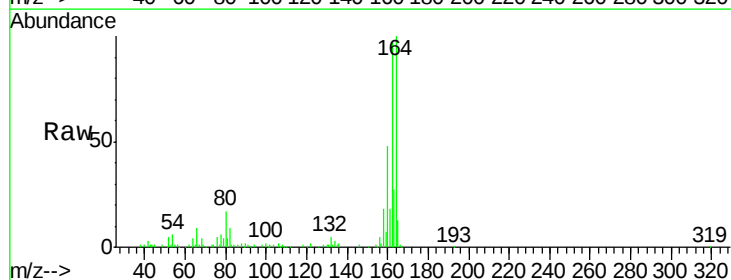
Tgt Ion: 164 Resp: 110695

Ion Ratio Lower Upper

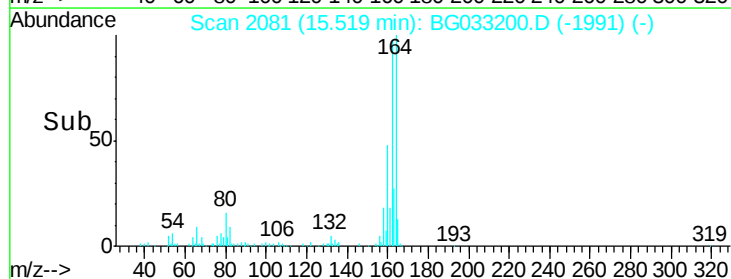
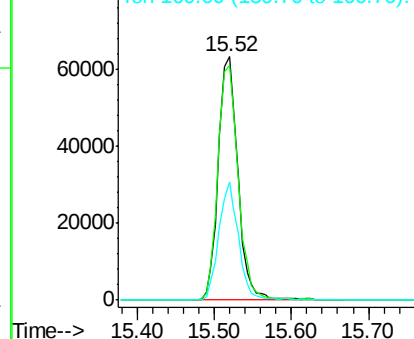
164 100

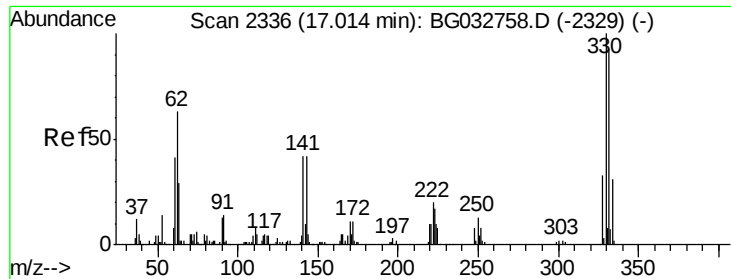
162 96.5 78.8 118.2

160 48.4 35.4 53.0



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

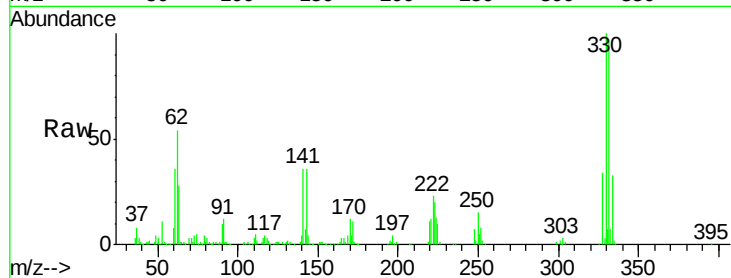




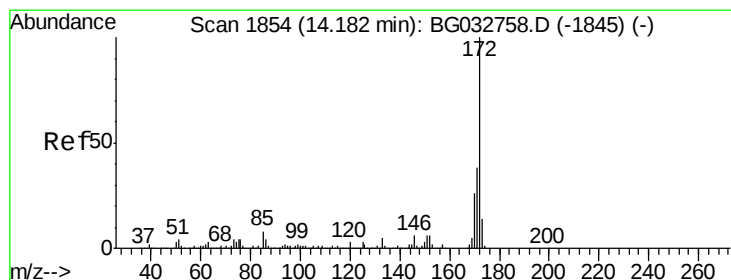
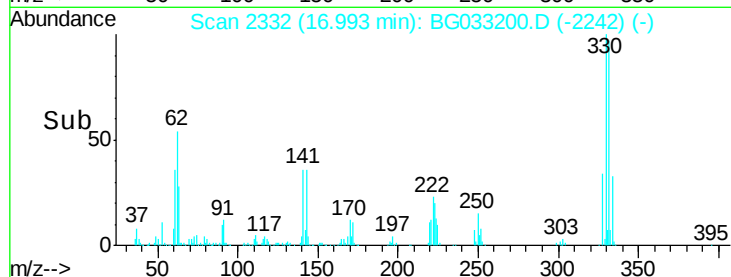
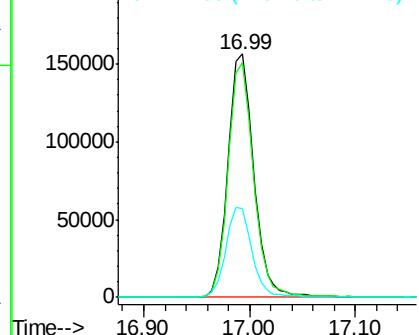
#41
 2,4,6-Tribromophenol
 Concen: 228.211 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	37.7	25.2	37.8

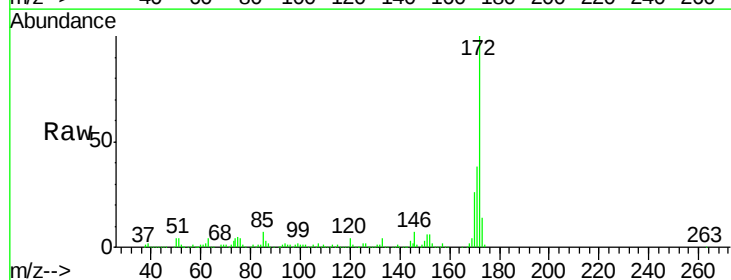


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

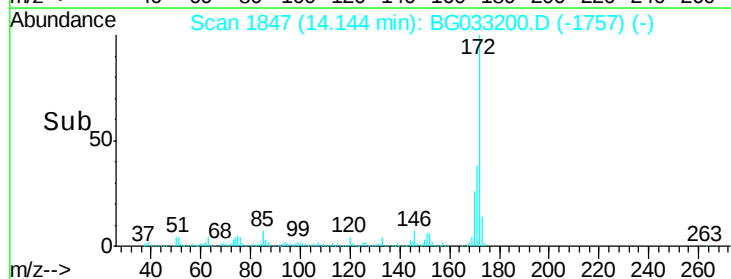
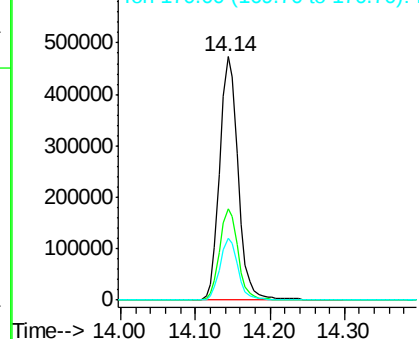


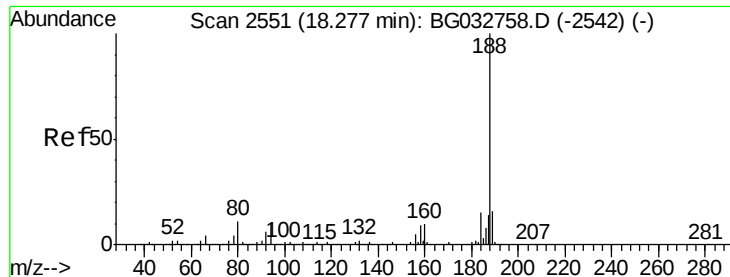
#44
 2-Fluorobiphenyl
 Concen: 105.952 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG033200.D
 Acq: 16 Mar 2018 15:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	25.6	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

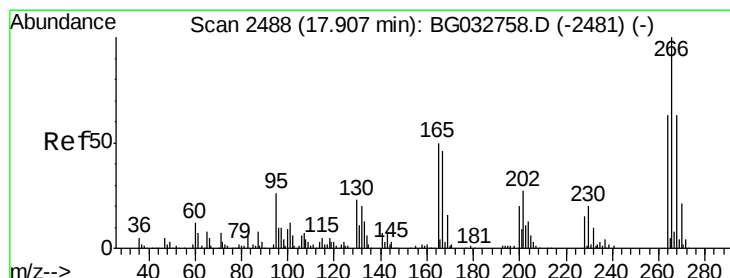
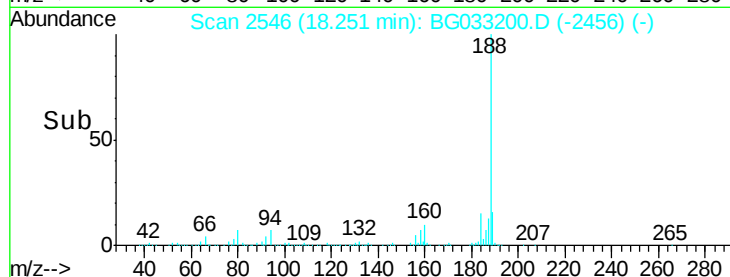
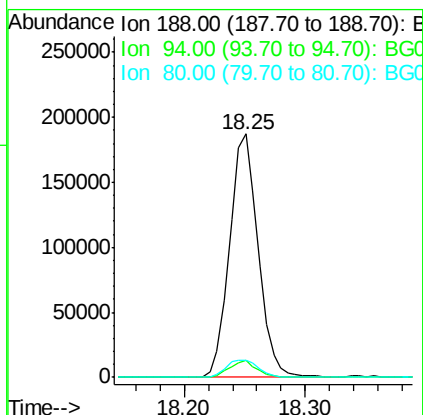
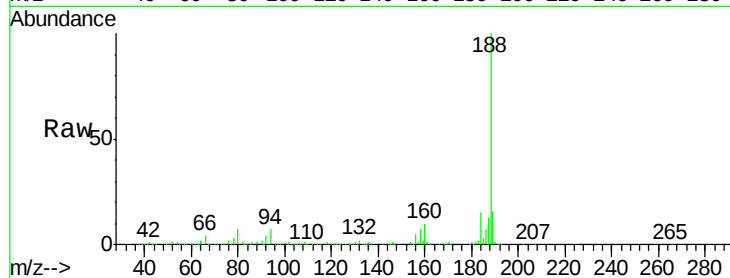




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

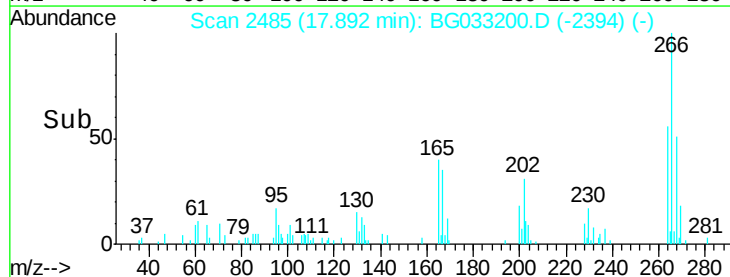
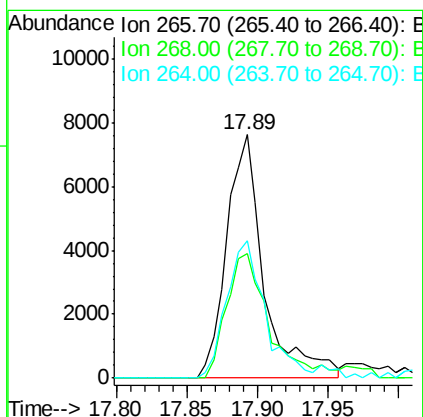
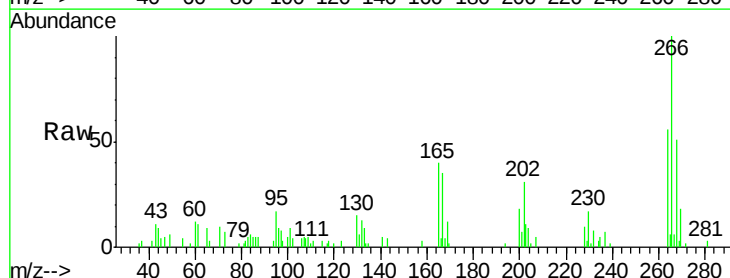
Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

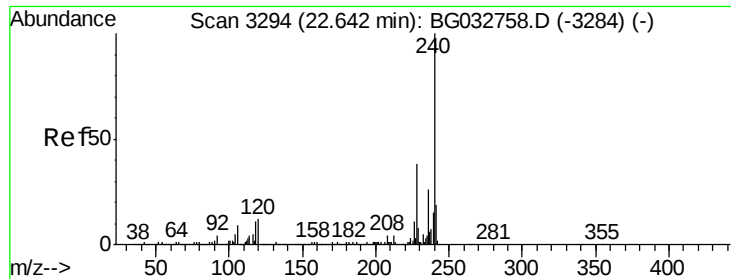
Tot Ion:188 Resp: 308552
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 6.7 7.7 11.5#



#69
Pentachlorophenol
Concen: 6.319 ng
RT: 17.89 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Tgt Ion:266 Resp: 14033
Ion Ratio Lower Upper
266 100
268 53.7 51.1 76.7
264 56.3 49.6 74.4





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3288

Delta R.T. 0.00 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

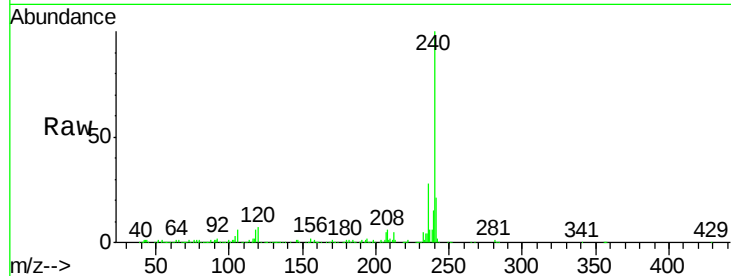
Tot Ion:240 Resp: 325433

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

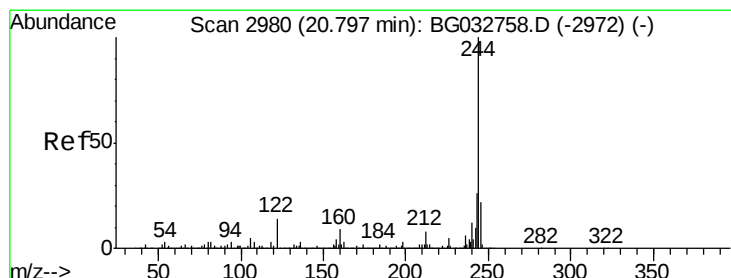
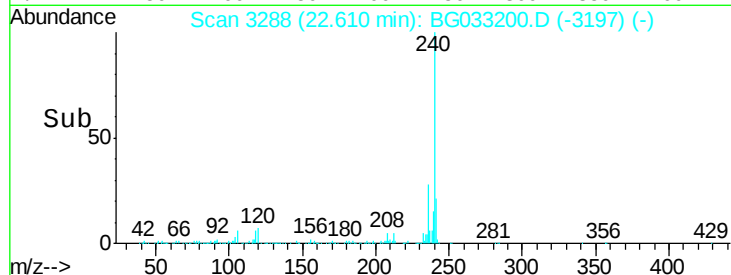
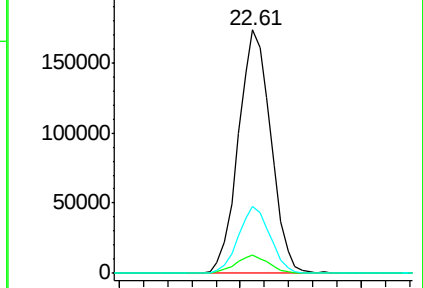
236 27.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 108.540 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.01 min

Lab File: BG033200.D

Acq: 16 Mar 2018 15:29

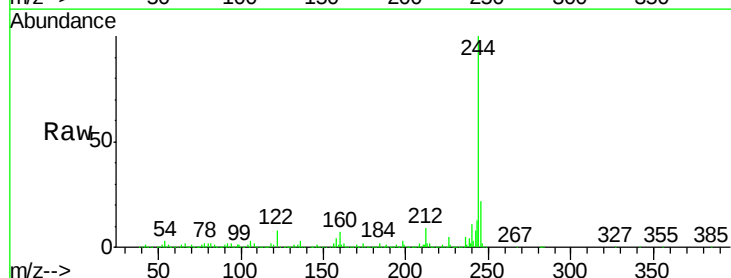
Tgt Ion:244 Resp: 1572170

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

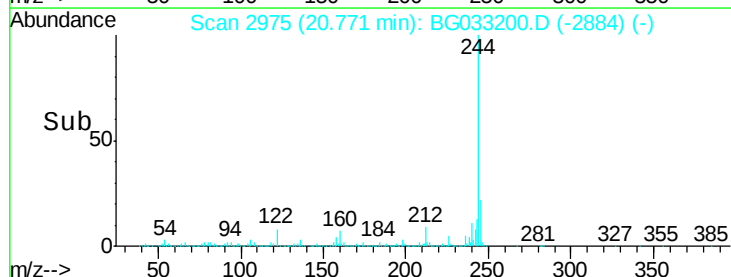
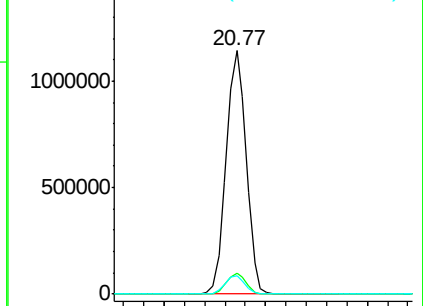
122 7.5 7.0 10.4

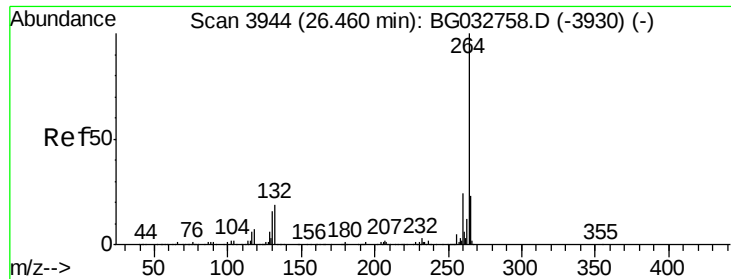


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

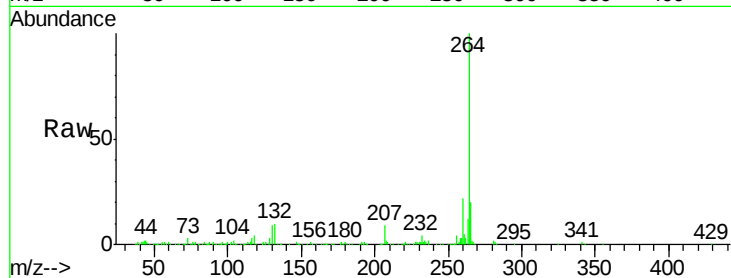




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.44 min Scan# 3939
Delta R.T. 0.03 min
Lab File: BG033200.D
Acq: 16 Mar 2018 15:29

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	20.4	17.7	26.5



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

