

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033189.D
 Acq On : 15 Mar 2018 22:55
 Operator : SJ/JU
 Sample : J1926-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

Quant Time: Mar 16 05:59:54 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

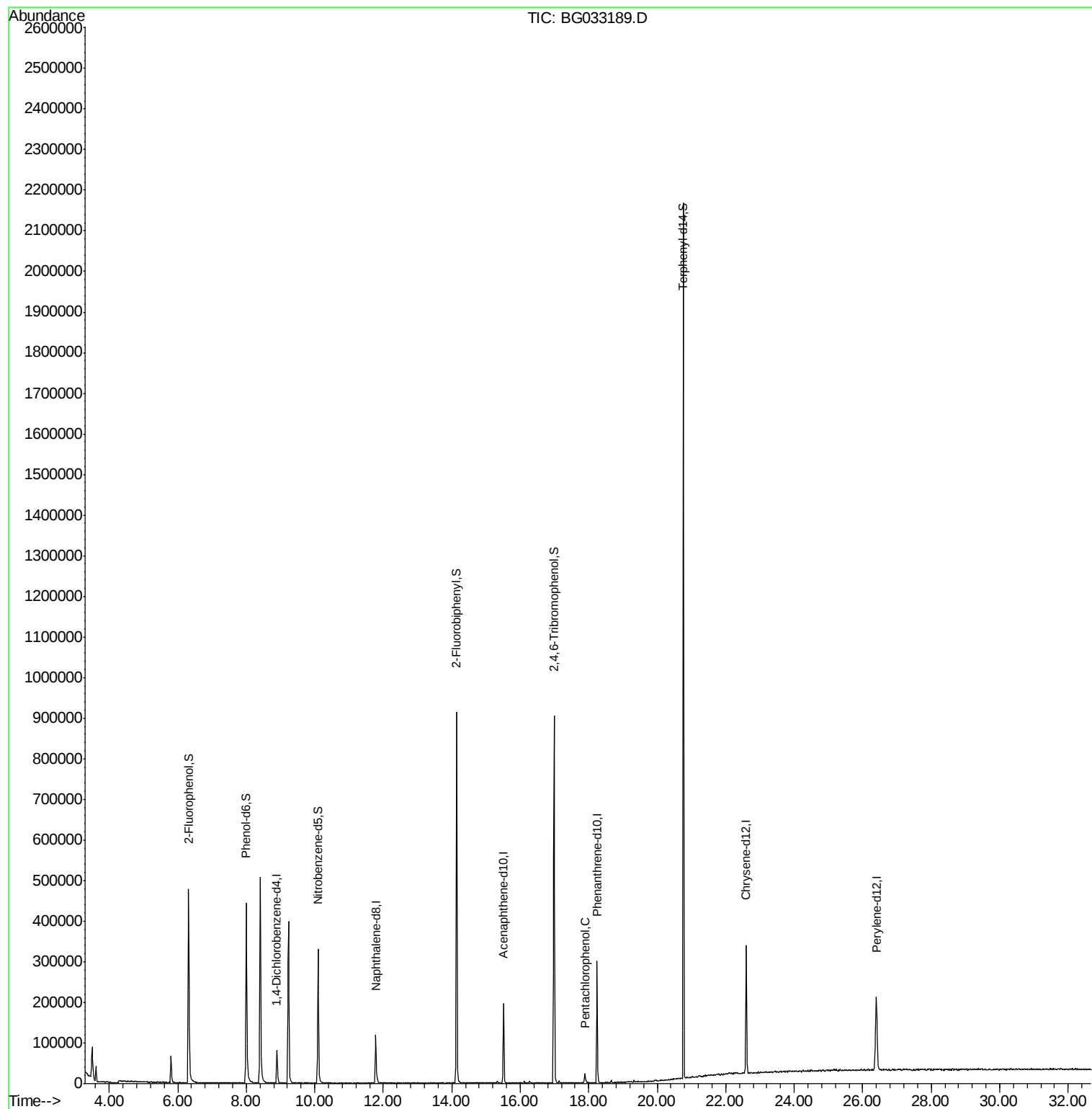
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	27155	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	118318	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	71175	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	191387	20.00	ng	0.00
75) Chrysene-d12	22.60	240	209121	20.00	ng	-0.01
86) Perylene-d12	26.40	264	226791	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	256155	150.92	ng	0.00
7) Phenol-d6	8.00	99	315124	133.20	ng	-0.01
23) Nitrobenzene-d5	10.10	82	225987	127.00	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	192960	257.84	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	518959	105.16	ng	0.00
78) Terphenyl-d14	20.76	244	1017194	109.28	ng	0.00
Target Compounds						
69) Pentachlorophenol	17.89	266	6267	4.549	ng	Qvalue 93

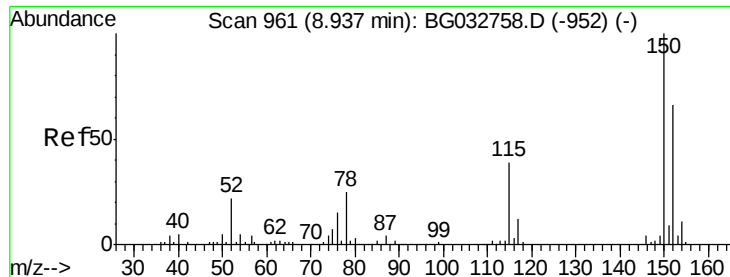
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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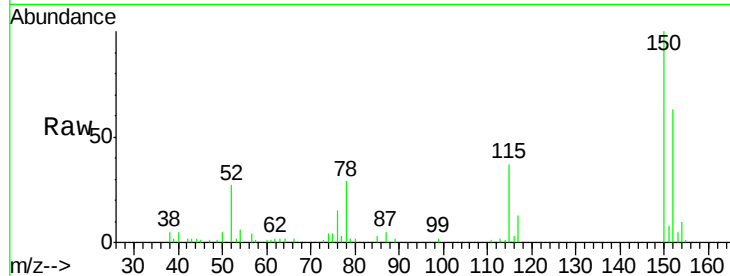


#1

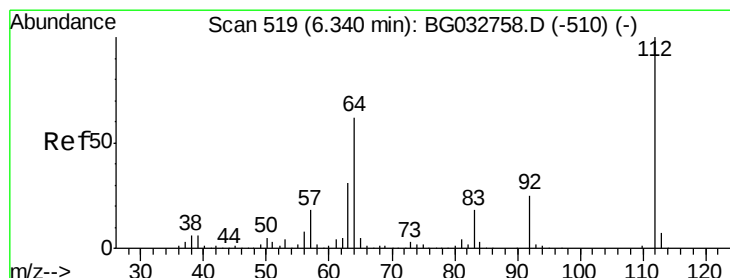
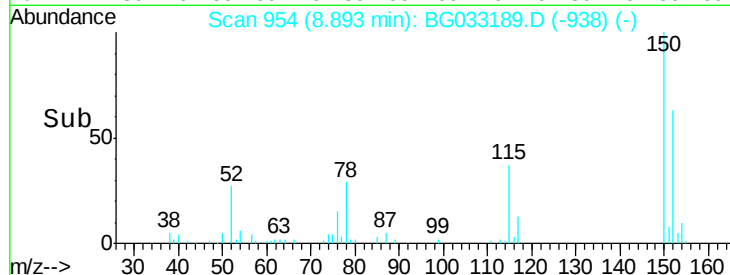
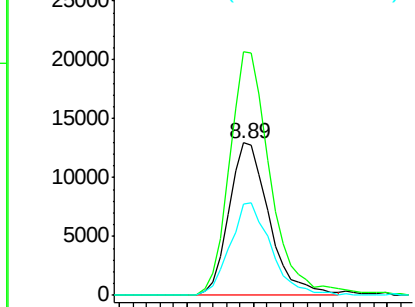
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion:152 Resp: 27155
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 59.8 53.0 79.4



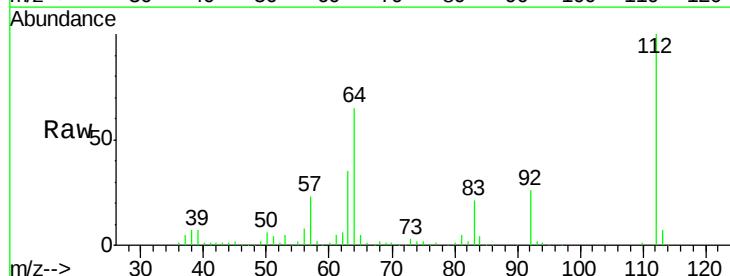
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



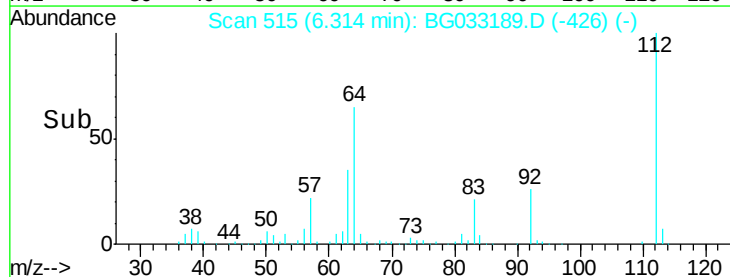
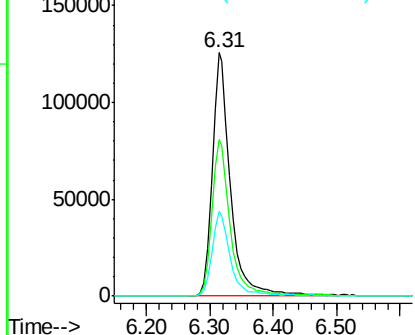
#5

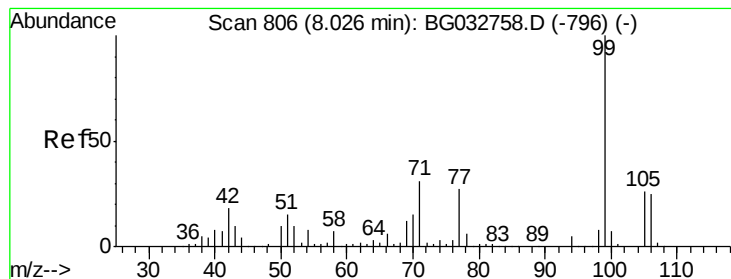
2-Fluorophenol
Concen: 150.915 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion:112 Resp: 256155
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 34.7 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: 133.196 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

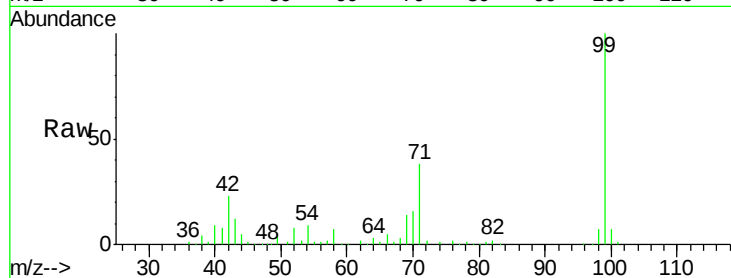
Tot Ion: 99 Resp: 315124

Ion Ratio Lower Upper

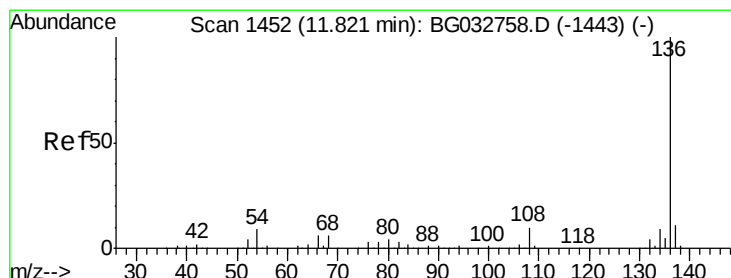
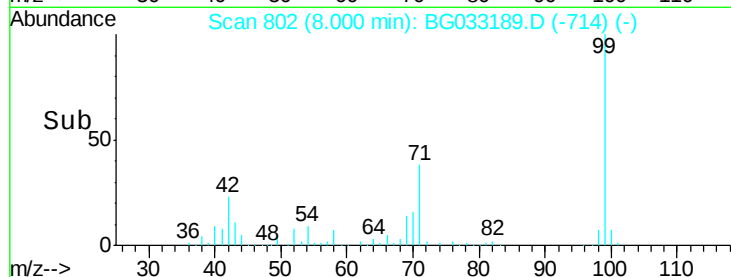
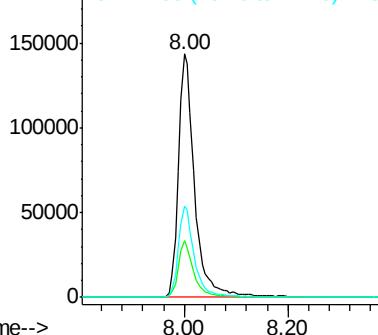
99 100

42 23.3 14.1 21.1#

71 37.5 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# 1446

Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Tgt Ion: 136 Resp: 118318

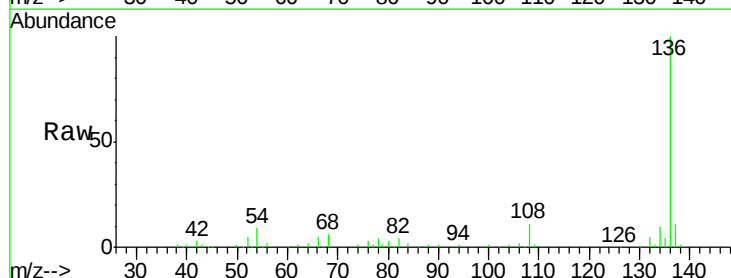
Ion Ratio Lower Upper

136 100

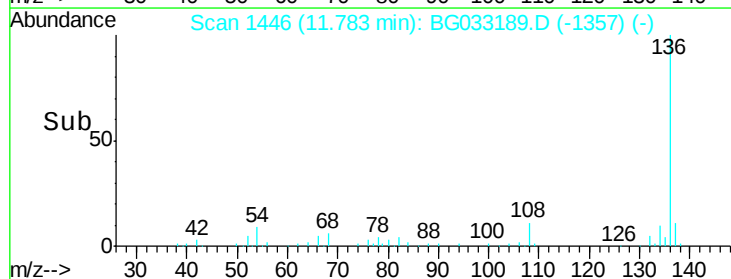
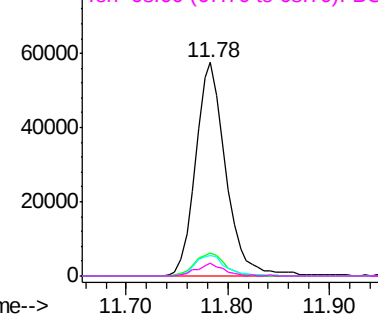
137 10.8 9.2 13.8

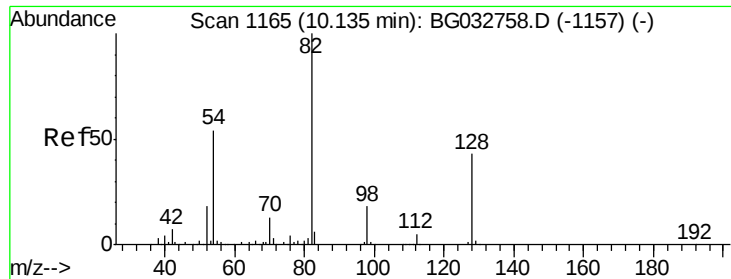
54 9.4 10.3 15.5#

68 6.2 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: 127.000 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

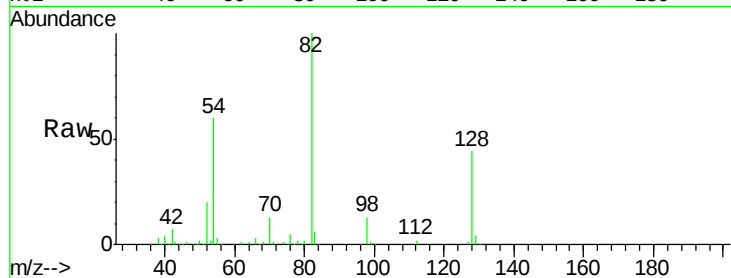
BNA_G

ClientSampleId :

SOIL-RBR200032

Tot Ion: 82 Resp: 225987

Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.7	44.5
54	59.9	43.1	64.7

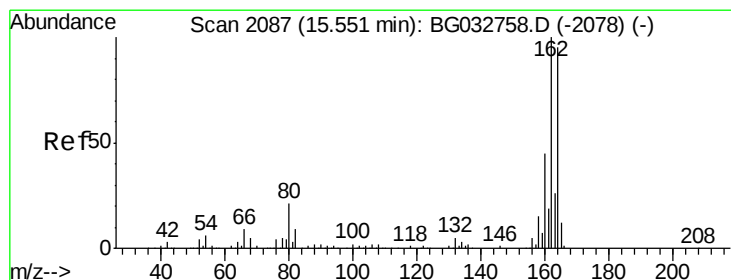
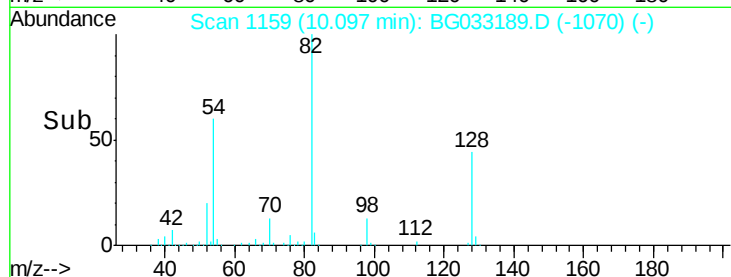
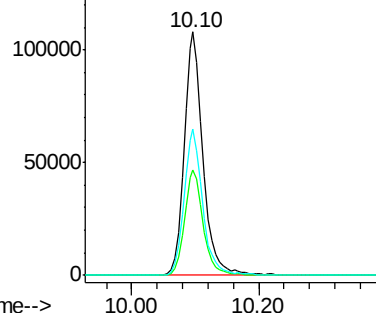


Abundance

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: 15.51 min Scan# 2081

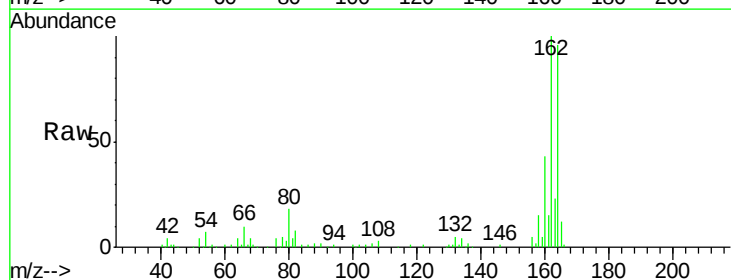
Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Tgt Ion: 164 Resp: 71175

Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	44.2	35.4	53.0

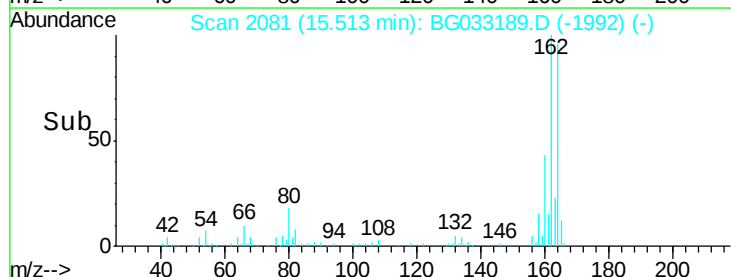
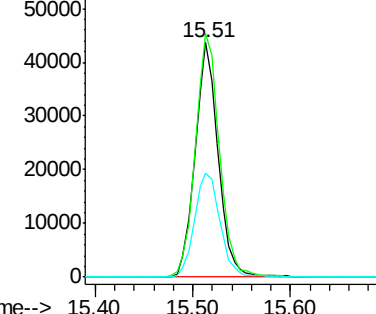


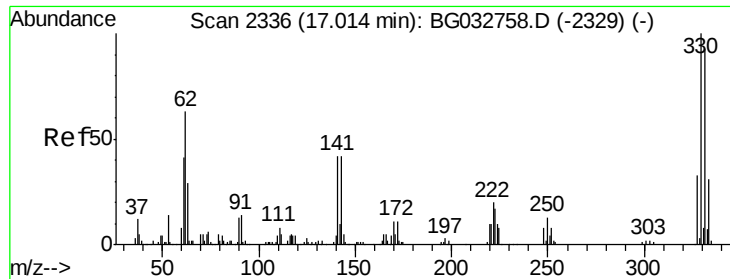
Abundance

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

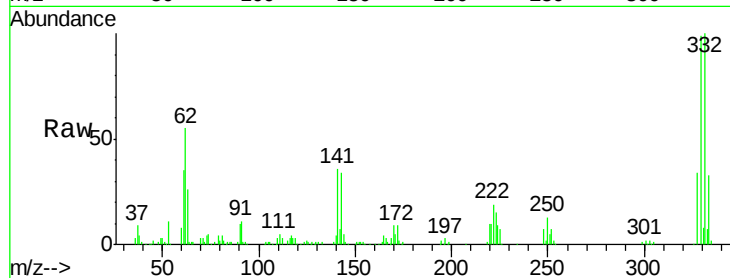




#41
 2,4,6-Tribromophenol
 Concen: 257.837 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-RBR200032

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	36.0	25.2	37.8

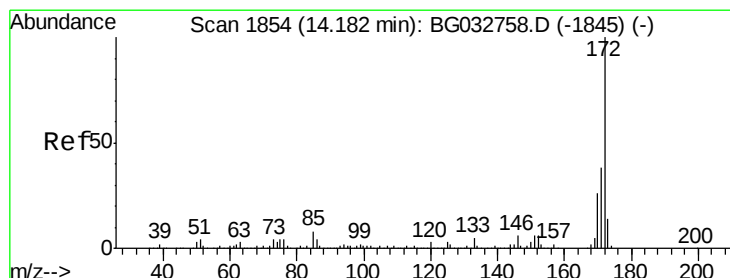
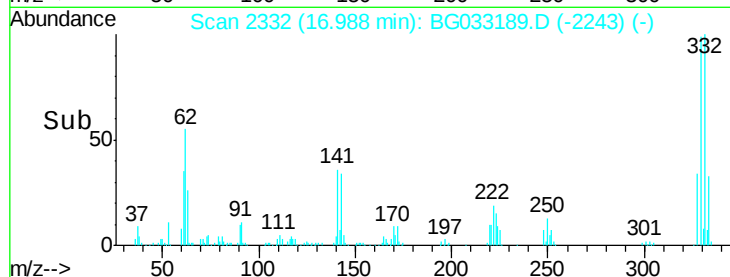
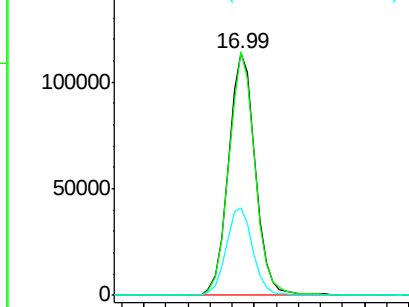


Abundance

Ion 329.80 (329.50 to 330.50): E

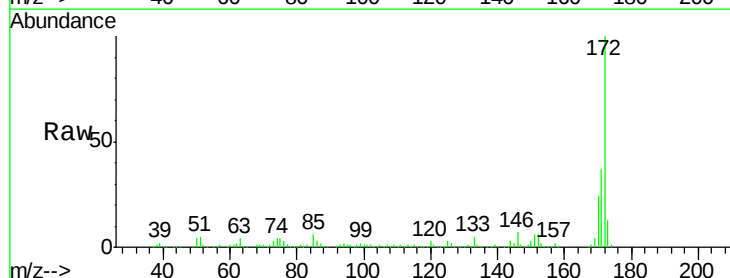
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 105.159 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.7	19.5	29.3

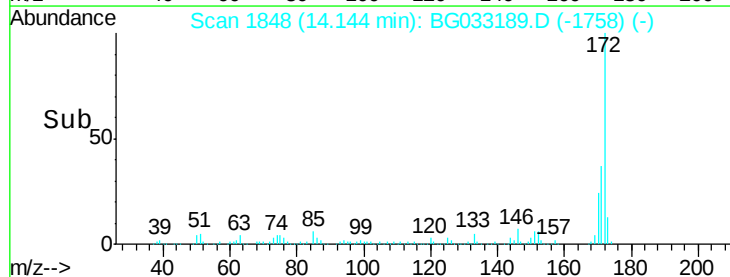
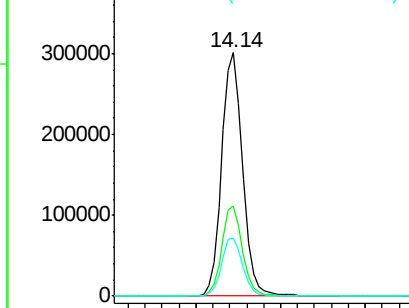


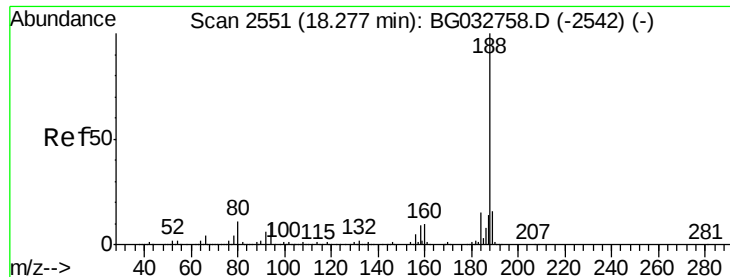
Abundance

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: 18.24 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

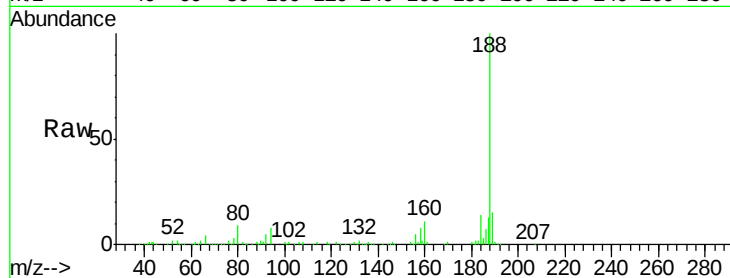
Tot Ion:188 Resp: 191387

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

80 9.4 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

150000

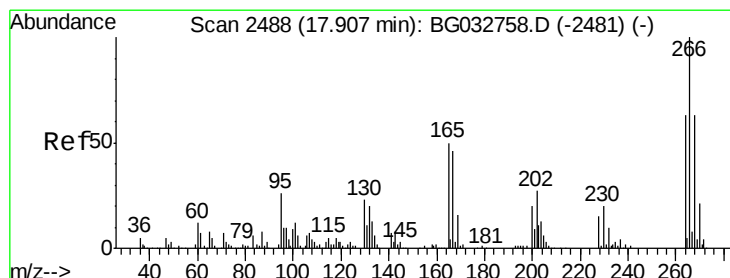
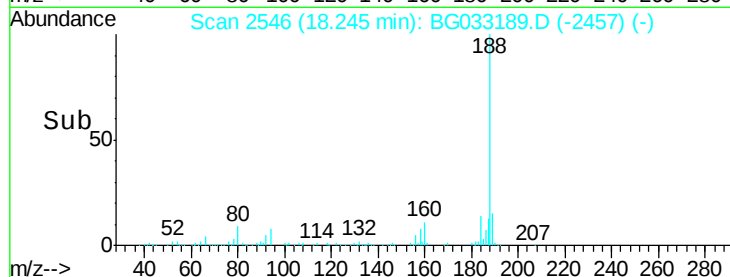
100000

50000

0

18.20 18.30

Time-->



#69

Pentachlorophenol

Concen: 4.549 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

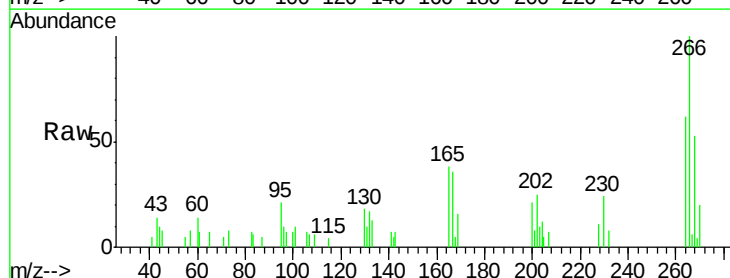
Tgt Ion:266 Resp: 6267

Ion Ratio Lower Upper

266 100

268 53.0 51.1 76.7

264 62.0 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

4000

3000

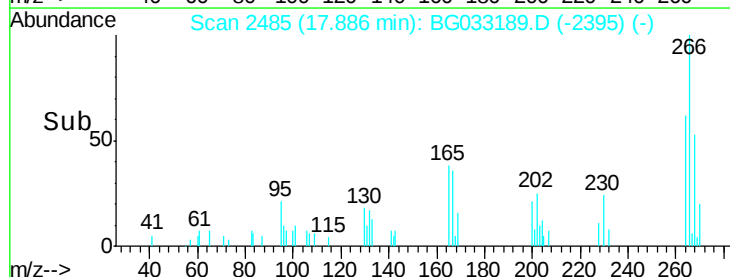
2000

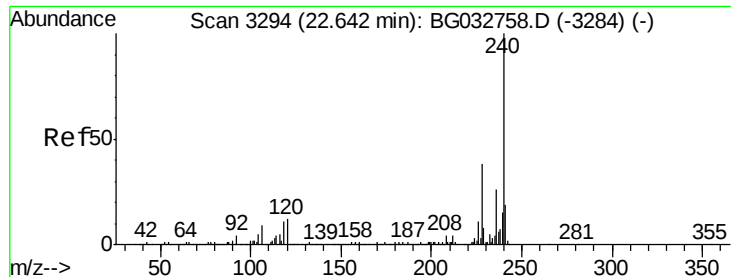
1000

0

17.85 17.90 17.95

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

SOIL-RBR200032

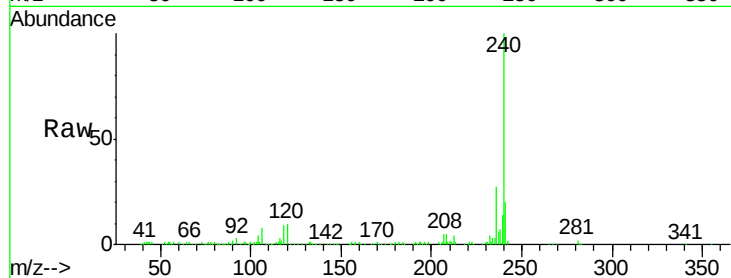
Tot Ion:240 Resp: 209121

Ion Ratio Lower Upper

240 100

120 10.1 6.8 10.2

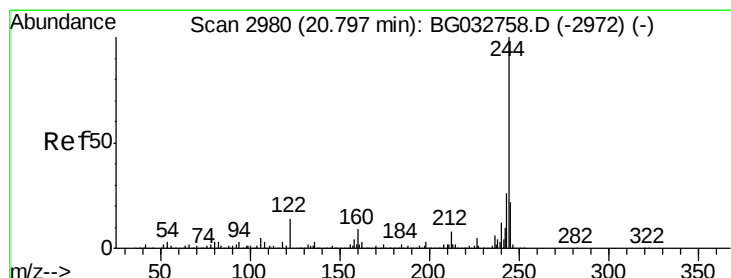
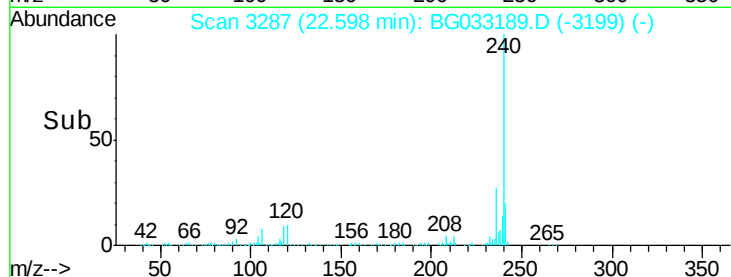
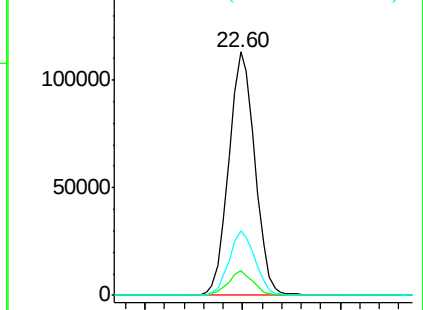
236 26.5 20.9 31.3



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: 109.284 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

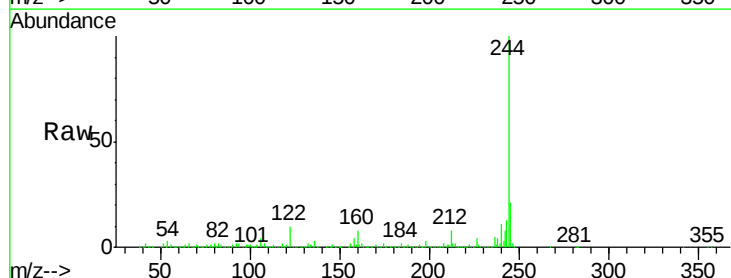
Tgt Ion:244 Resp: 1017194

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

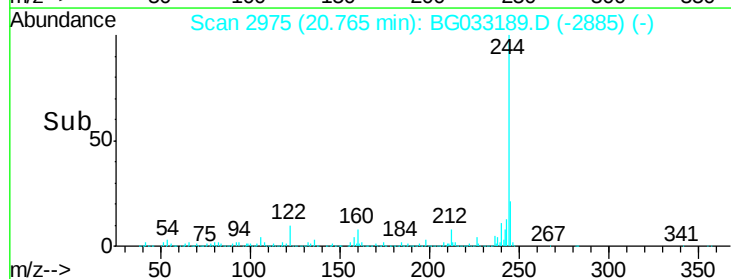
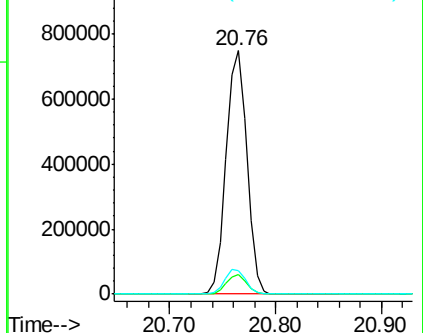
122 9.7 7.0 10.4

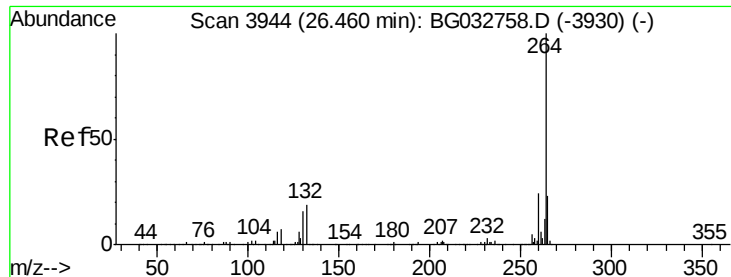


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

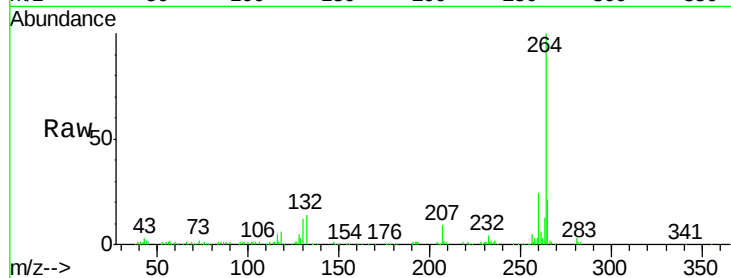




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :
SOIL-RBR200032

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.2	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

