

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
 Data File : BG033721.D
 Acq On : 10 Apr 2018 19:54
 Operator : SJ/JU
 Sample : J2283-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 11 03:32:22 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

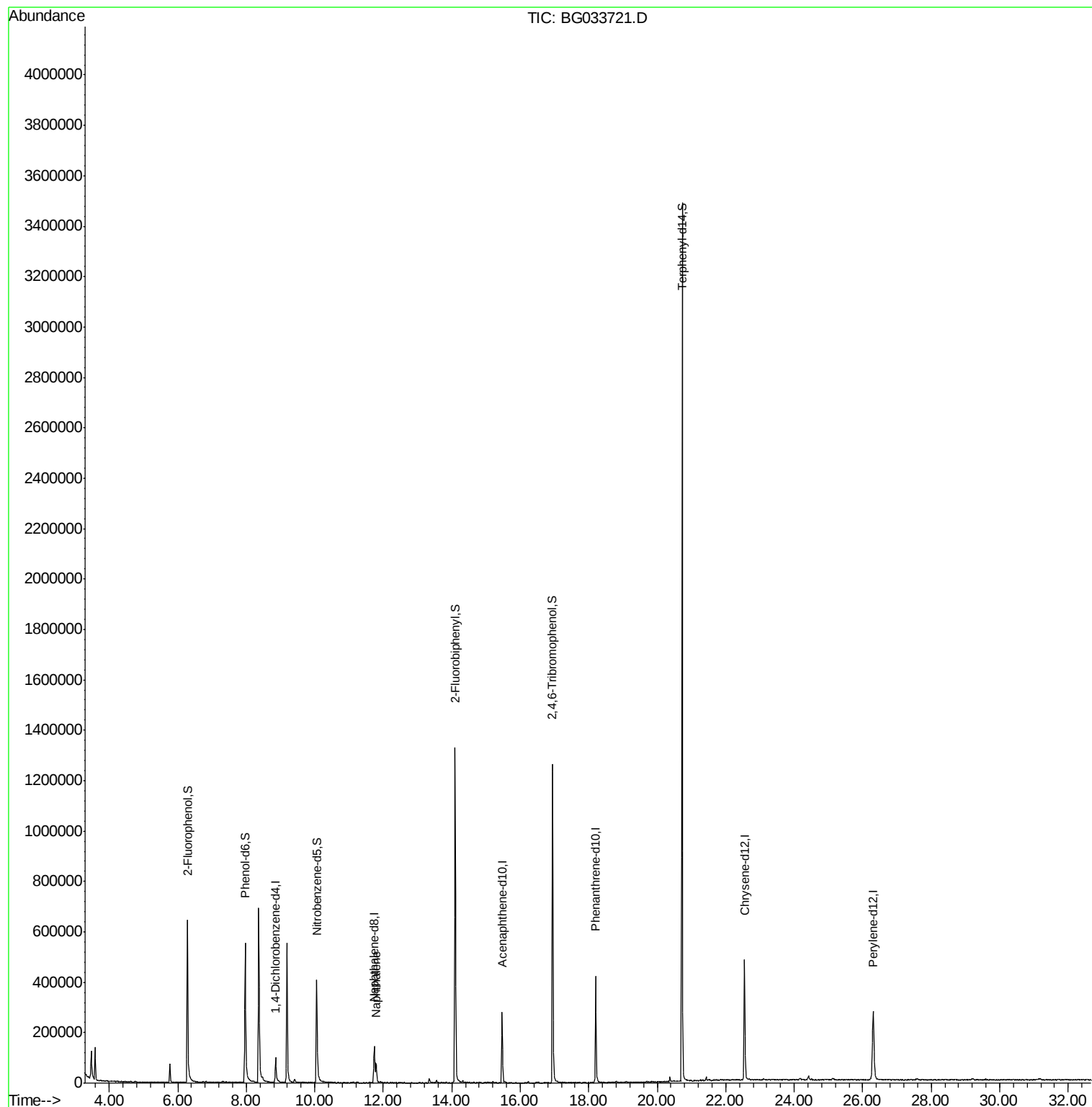
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	35224	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	144342	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	104233	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	295203	20.00	ng	0.00
75) Chrysene-d12	22.55	240	341127	20.00	ng	0.00
86) Perylene-d12	26.31	264	368634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	302633	161.10	ng	0.00
7) Phenol-d6	7.97	99	394613	122.26	ng	0.00
23) Nitrobenzene-d5	10.06	82	331809	105.61	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	258199	165.63	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	736384	101.99	ng	0.00
78) Terphenyl-d14	20.73	244	1739261	109.04	ng	0.00
Target Compounds						
31) Naphthalene	11.79	128	77069	10.304	ng	Qvalue 97

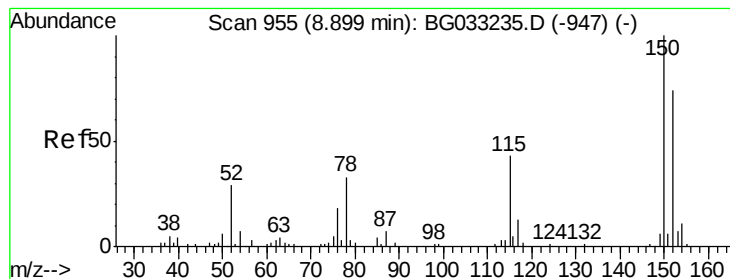
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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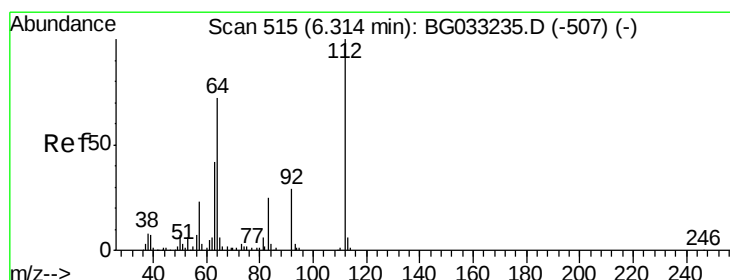
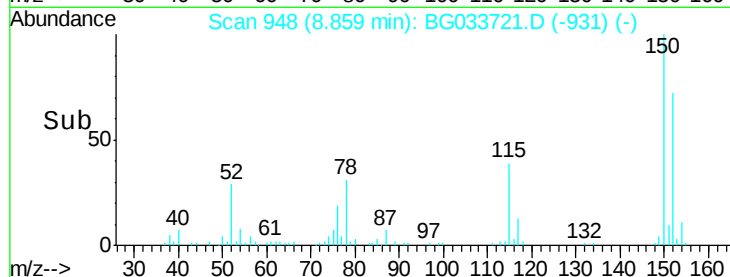
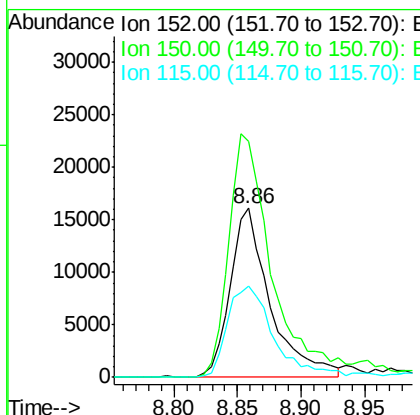
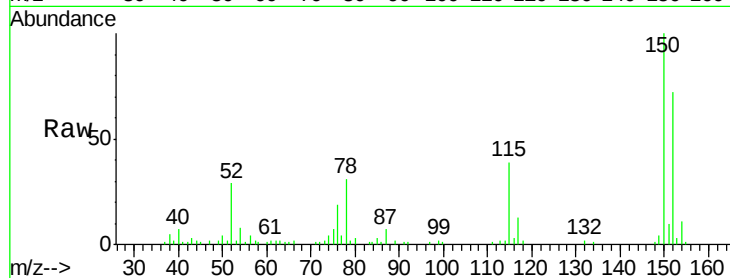




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.86 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

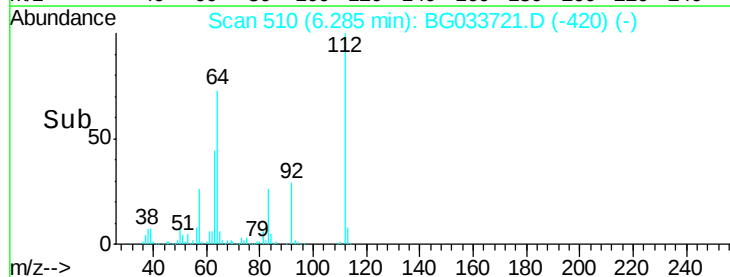
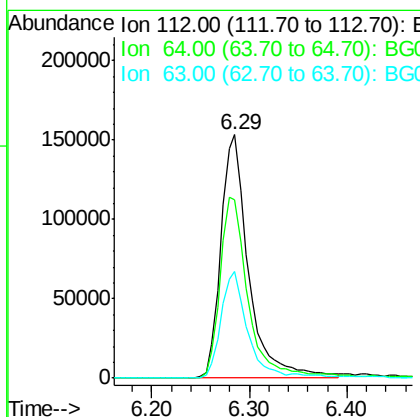
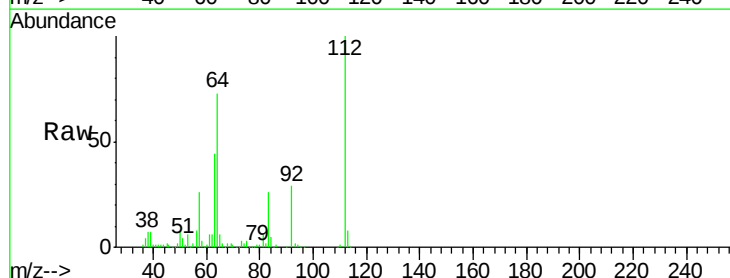
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

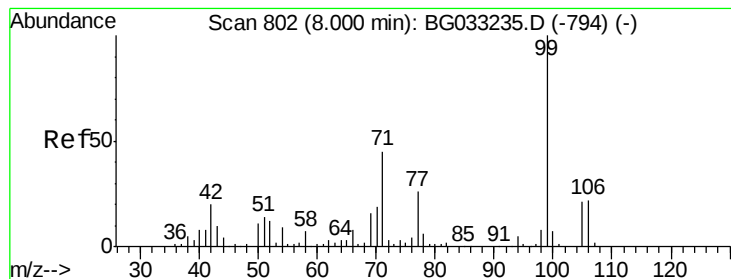
Tot Ion:152 Resp: 35224
 Ion Ratio Lower Upper
 152 100
 150 139.7 126.6 189.8
 115 54.4 53.0 79.4



#5
 2-Fluorophenol
 Concen: 161.104 ng
 RT: 6.29 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

Tgt Ion:112 Resp: 302633
 Ion Ratio Lower Upper
 112 100
 64 73.2 56.3 84.5
 63 43.9 30.1 45.1





#7

Phenol-d6

Concen: 122.261 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033721.D

Acq: 10 Apr 2018 19:54

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

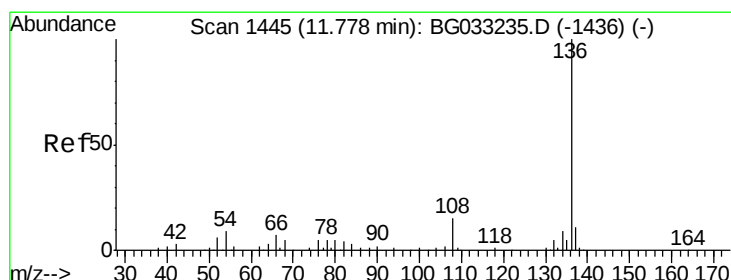
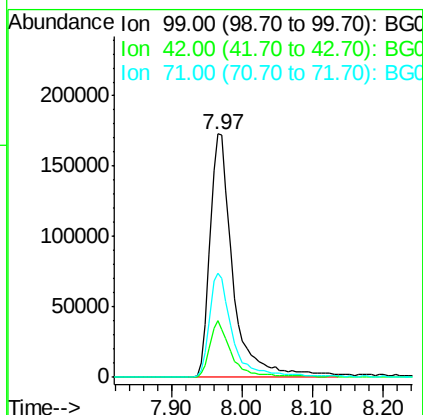
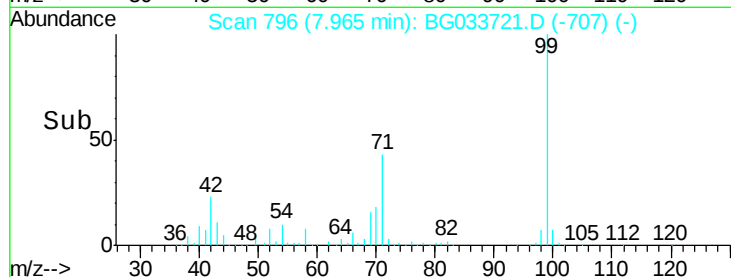
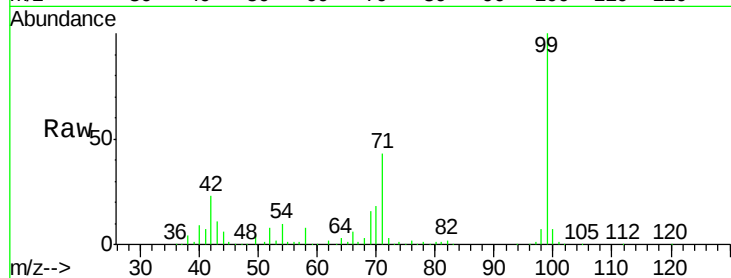
Tot Ion: 99 Resp: 394613

Ion Ratio Lower Upper

99 100

42 23.3 14.1 21.1#

71 42.7 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033721.D

Acq: 10 Apr 2018 19:54

Tgt Ion: 136 Resp: 144342

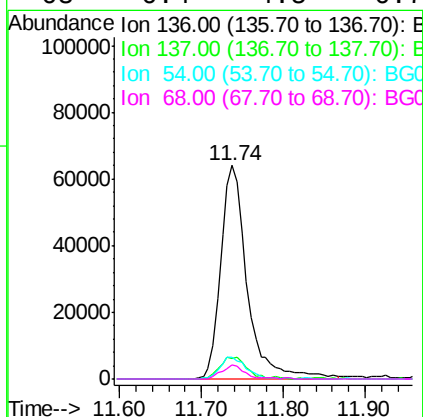
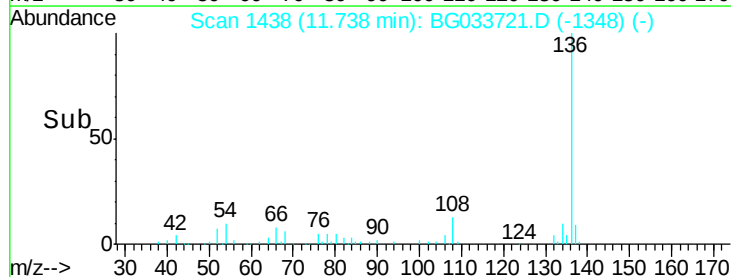
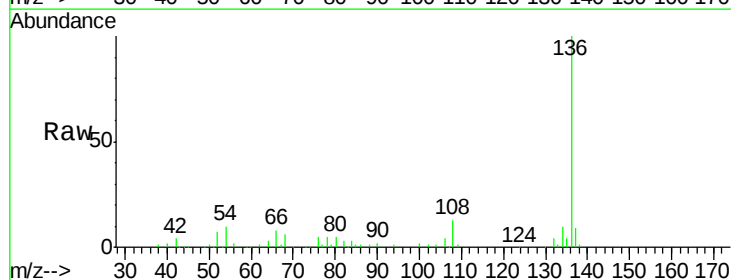
Ion Ratio Lower Upper

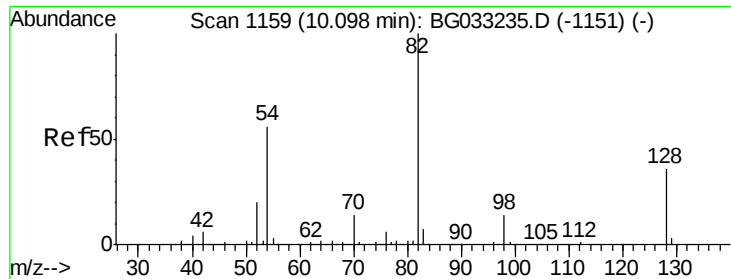
136 100

137 9.5 9.2 13.8

54 10.1 10.3 15.5#

68 6.4 4.5 6.7

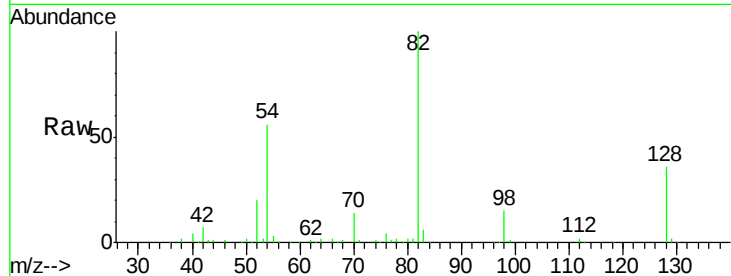




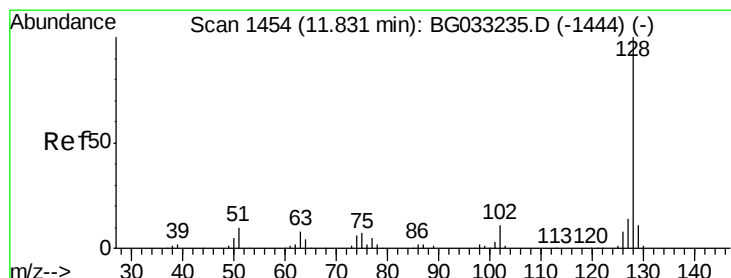
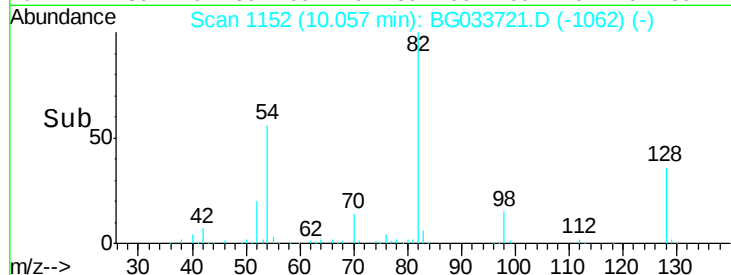
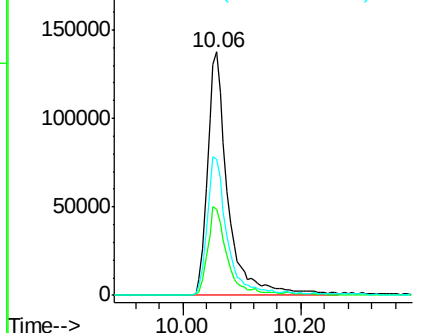
#23
 Nitrobenzene-d5
 Concen: 105.615 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion: 82 Resp: 331809
 Ion Ratio Lower Upper
 82 100
 128 35.7 29.7 44.5
 54 55.7 43.1 64.7

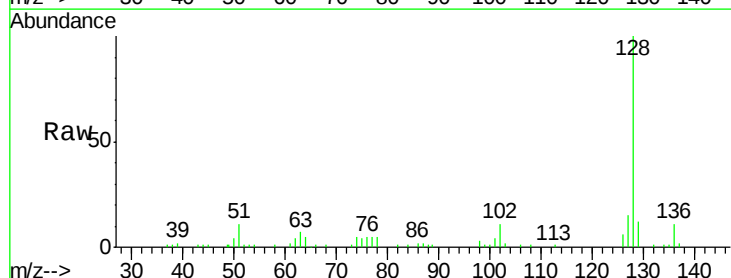


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

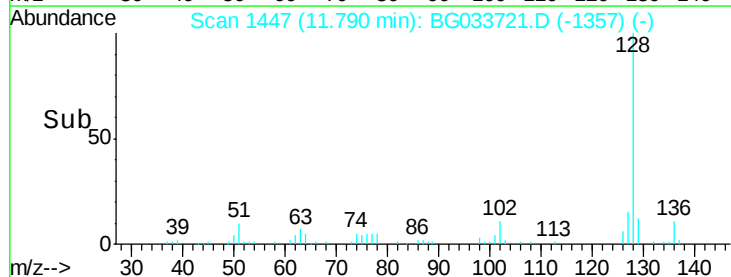
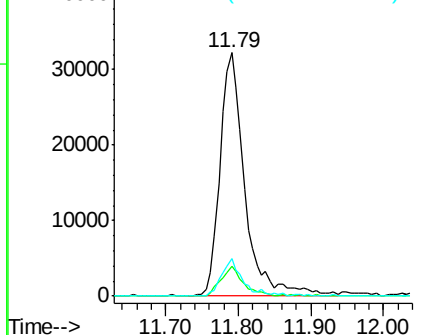


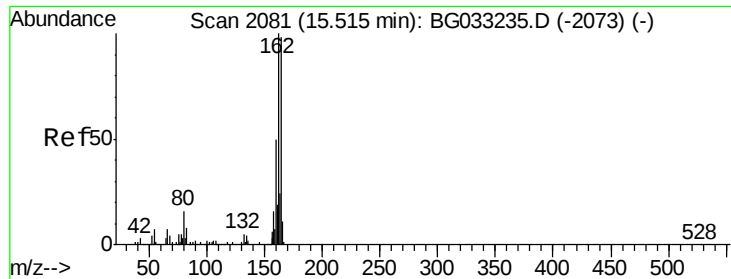
#31
 Naphthalene
 Concen: 10.304 ng
 RT: 11.79 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

Tgt Ion: 128 Resp: 77069
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.6 12.8
 127 15.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC

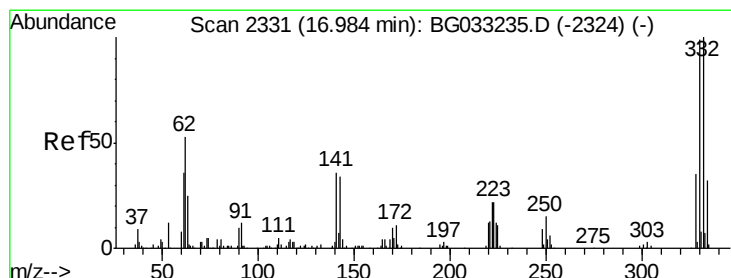
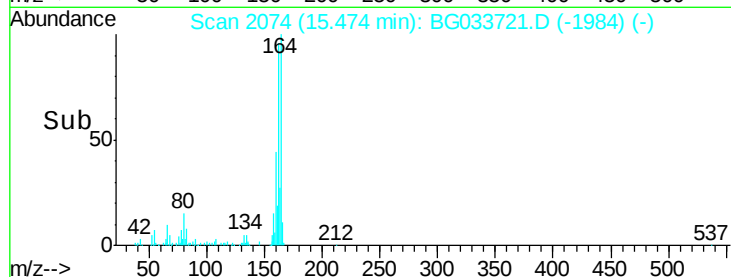
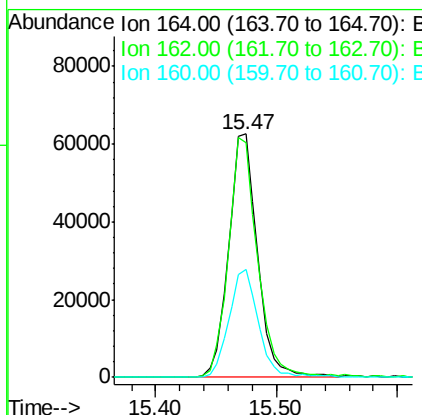
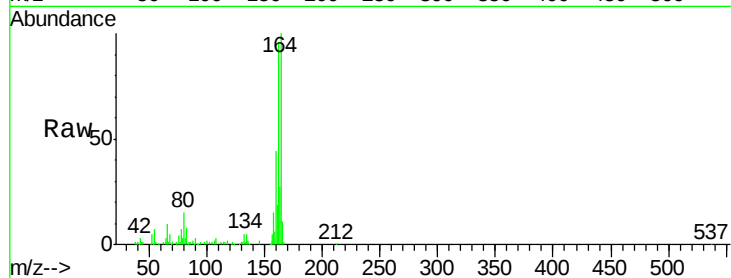




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BG033721.D
Acq: 10 Apr 2018 19:54

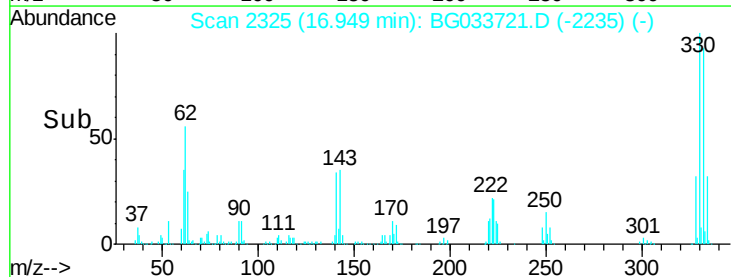
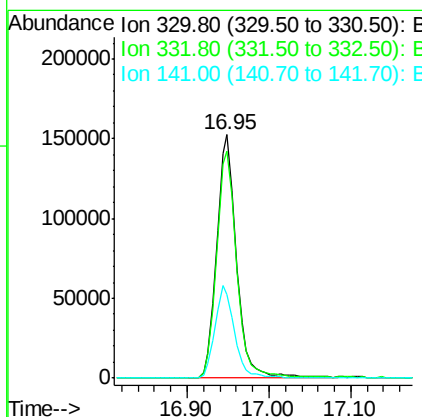
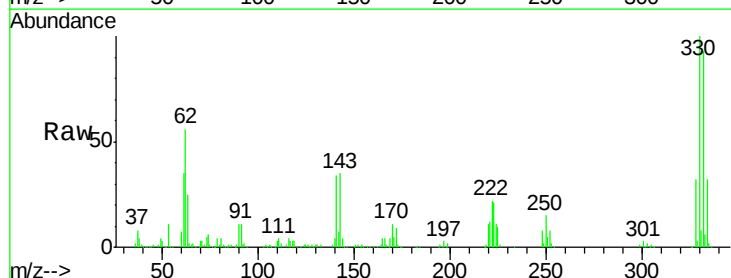
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:164 Resp: 104233
Ion Ratio Lower Upper
164 100
162 96.4 78.8 118.2
160 44.4 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 165.626 ng
RT: 16.95 min Scan# 2325
Delta R.T. 0.00 min
Lab File: BG033721.D
Acq: 10 Apr 2018 19:54

Tgt Ion:330 Resp: 258199
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.6
141 37.3 25.2 37.8

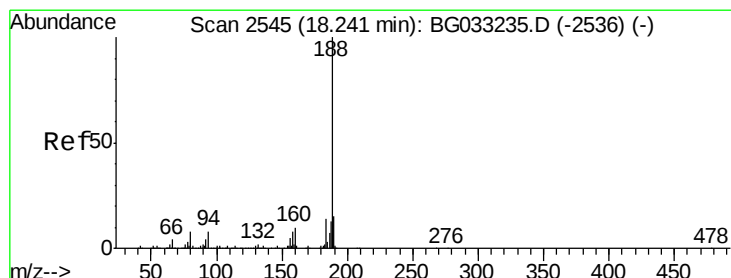
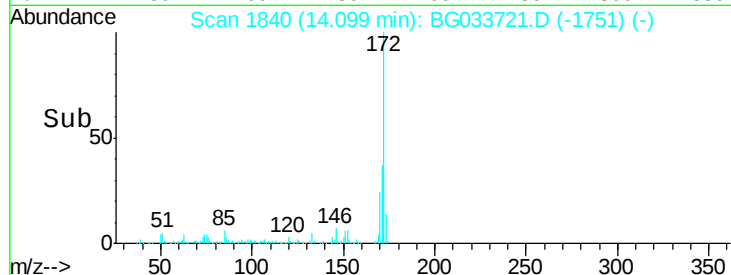
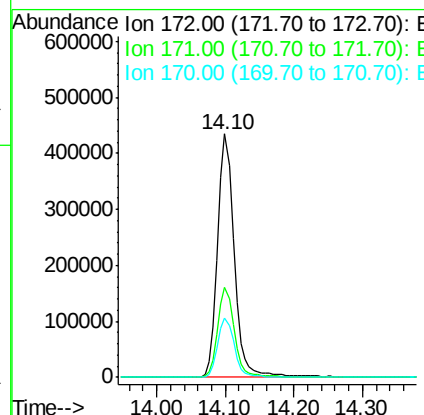
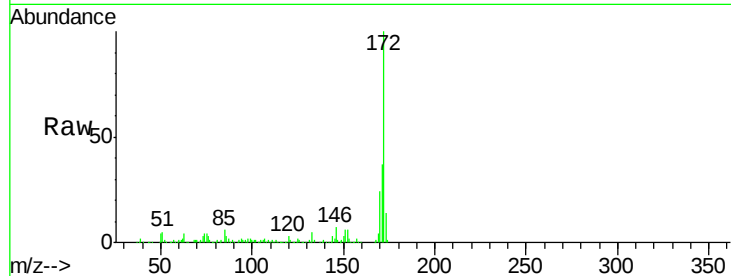




#44
 2-Fluorobiphenyl
 Concen: 101.990 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

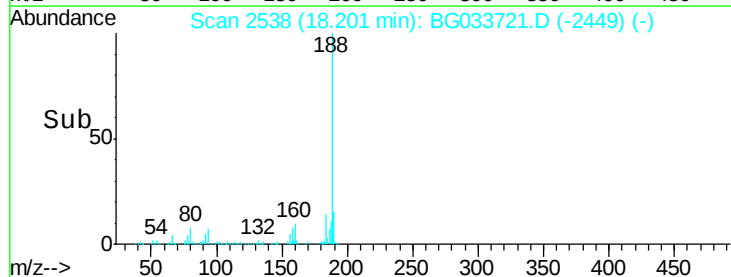
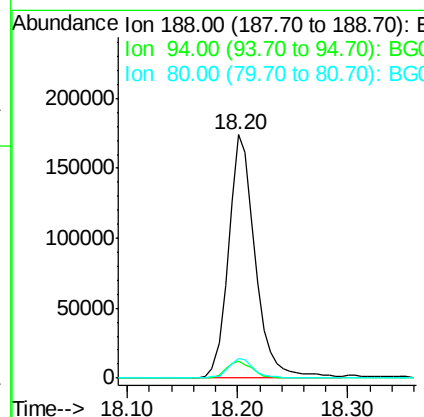
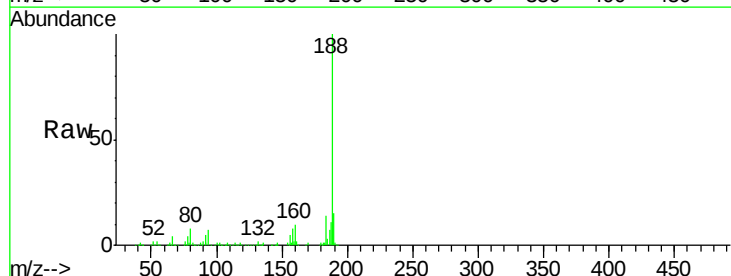
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

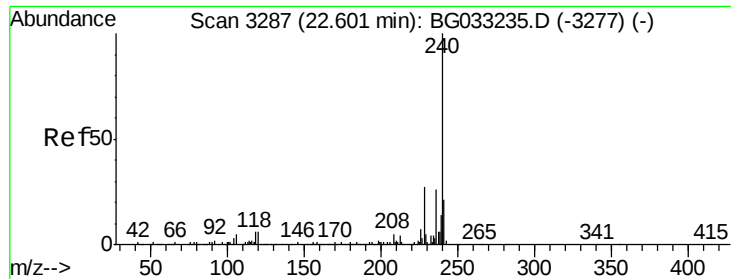
Tot Ion:172 Resp: 736384
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 24.5 19.5 29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.00 min
 Lab File: BG033721.D
 Acq: 10 Apr 2018 19:54

Tgt Ion:188 Resp: 295203
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 8.1 7.7 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033721.D

Acq: 10 Apr 2018 19:54

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

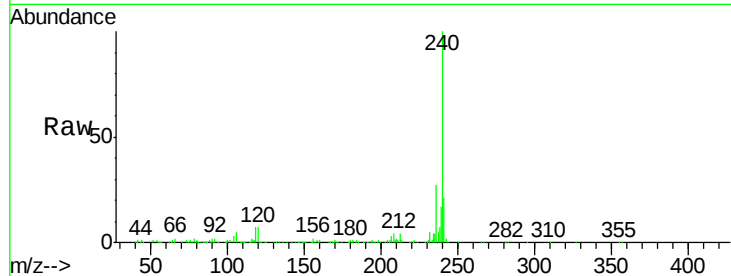
Tot Ion:240 Resp: 341127

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

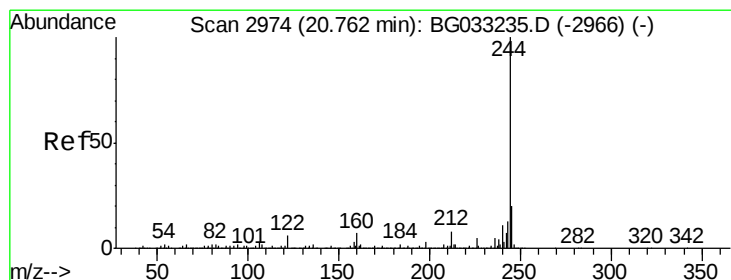
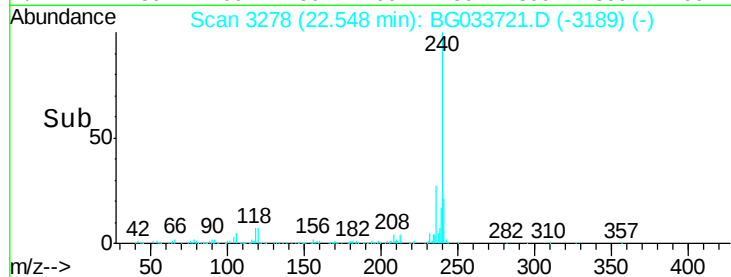
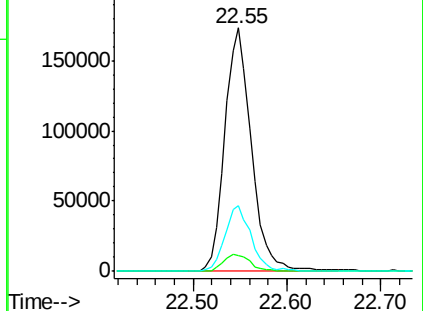
236 26.8 20.9 31.3



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: 109.038 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033721.D

Acq: 10 Apr 2018 19:54

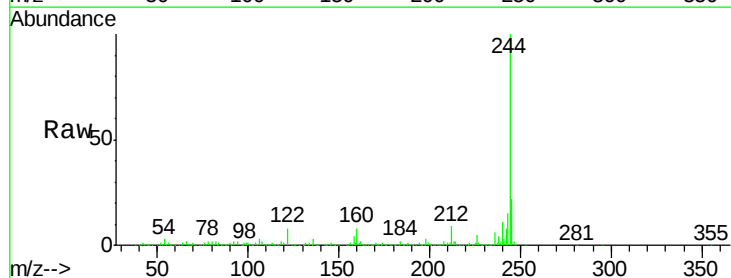
Tgt Ion:244 Resp: 1739261

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

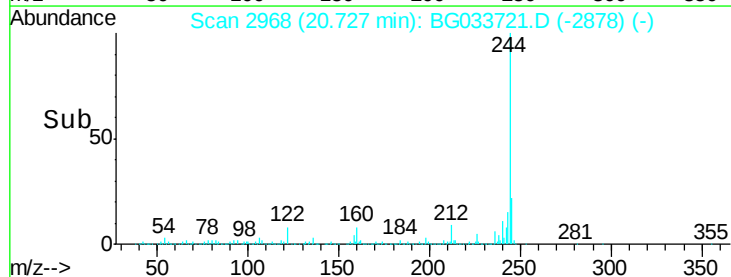
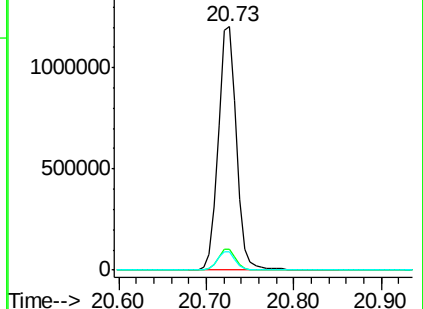
122 7.6 7.0 10.4



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: 26.31 min Scan# 3918
Delta R.T. 0.00 min
Lab File: BG033721.D
Acq: 10 Apr 2018 19:54

Instrument :
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SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.7	17.7	26.5

