

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
 Data File : BG029317.D
 Acq On : 18 Oct 2017 1:29
 Operator : SJ/JU
 Sample : I5905-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS-9601

Quant Time: Oct 18 04:07:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

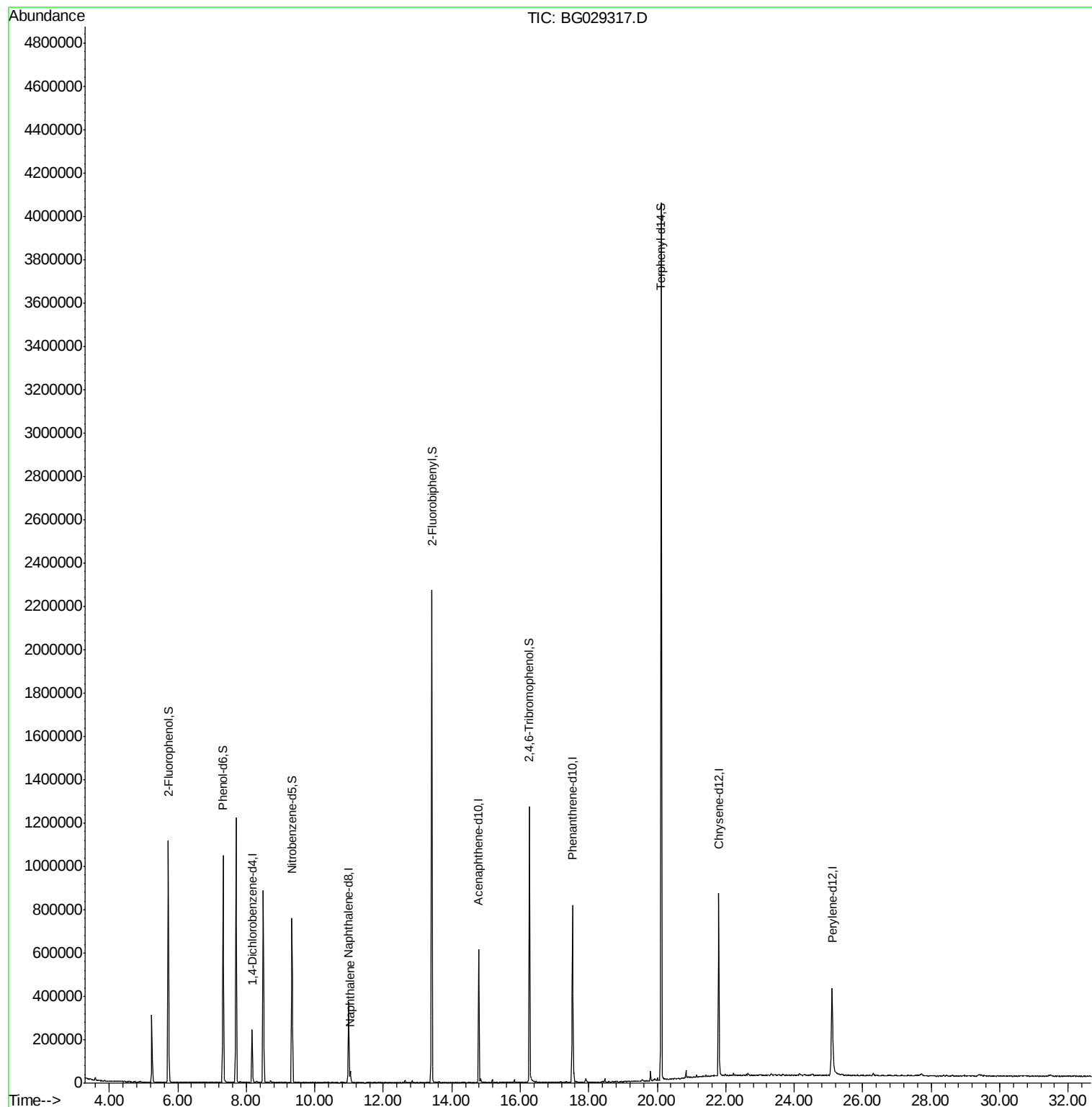
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	71190	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	334636	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	215555	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	496854	20.00	ng	0.00
75) Chrysene-d12	21.80	240	518546	20.00	ng	0.00
86) Perylene-d12	25.10	264	497868	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	506693	118.90	ng	0.00
7) Phenol-d6	7.32	99	634655	106.10	ng	0.00
23) Nitrobenzene-d5	9.33	82	454755	86.36	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	260929	93.76	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1222987	83.21	ng	0.00
78) Terphenyl-d14	20.11	244	1817204	79.72	ng	0.00
Target Compounds						
31) Naphthalene	11.04	128	44893	2.692	ng	Qvalue 99

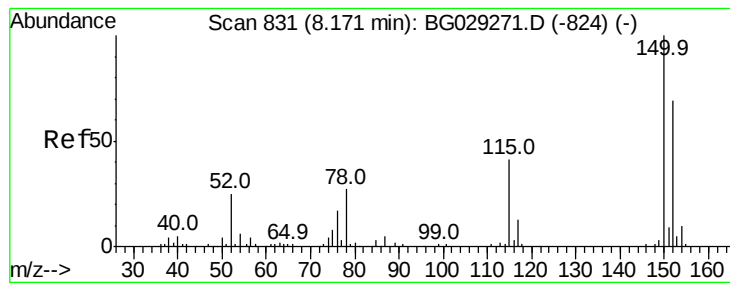
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\
Data File : BG029317.D
Acq On : 18 Oct 2017 1:29
Operator : SJ/JU
Sample : I5905-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS-9601

Quant Time: Oct 18 04:07:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 17:32:15 2017
Response via : Initial Calibration



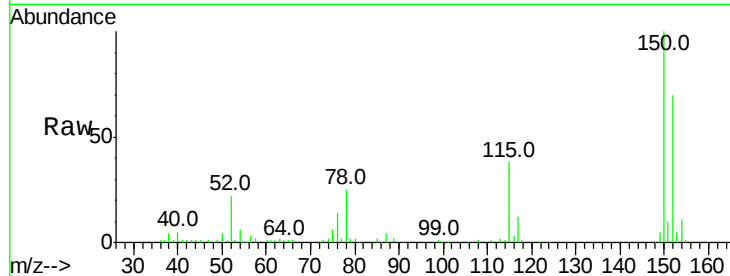


#1

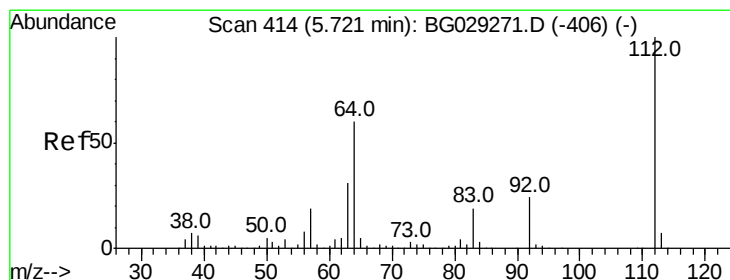
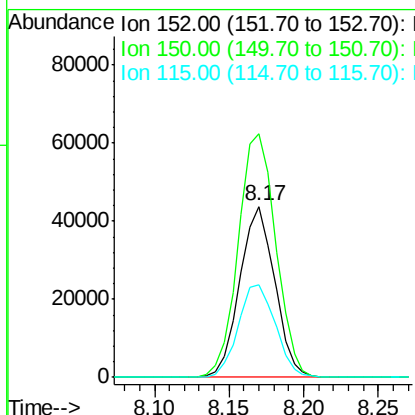
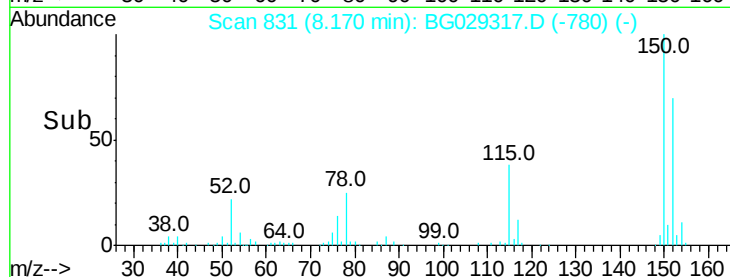
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG029317.D
Acq: 18 Oct 2017 1:29

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS-9601

Tot Ion:152 Resp: 71190
Ion Ratio Lower Upper
152 100
150 142.4 126.6 189.8
115 54.4 53.0 79.4



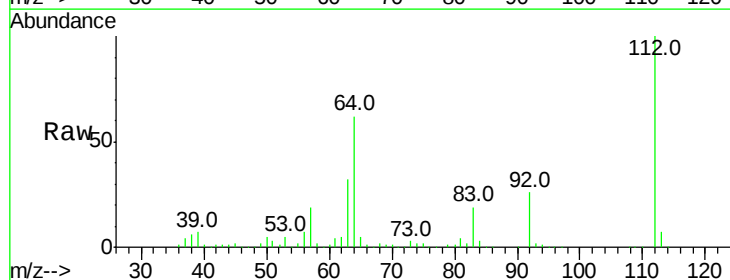
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



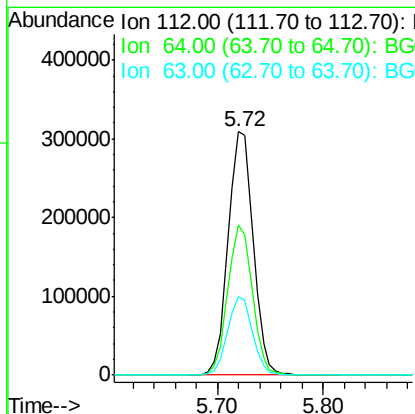
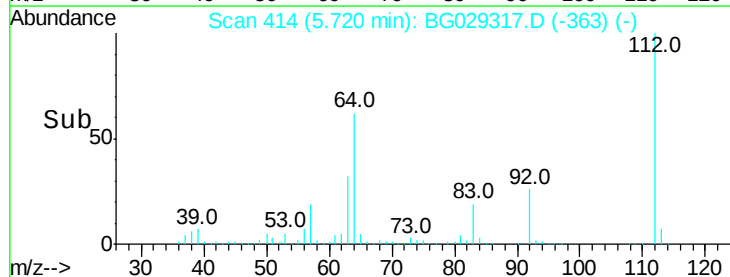
#5

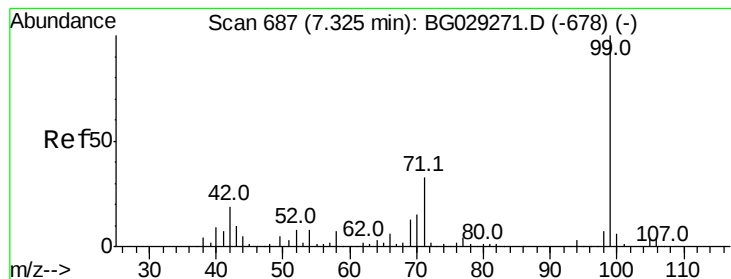
2-Fluorophenol
Concen: 118.901 ng
RT: 5.72 min Scan# 414
Delta R.T. -0.00 min
Lab File: BG029317.D
Acq: 18 Oct 2017 1:29

Tgt Ion:112 Resp: 506693
Ion Ratio Lower Upper
112 100
64 61.8 56.3 84.5
63 32.1 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: 106.101 ng

RT: 7.32 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-9601

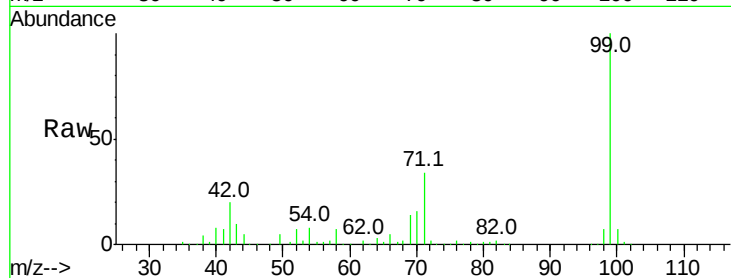
Tot Ion: 99 Resp: 634655

Ion Ratio Lower Upper

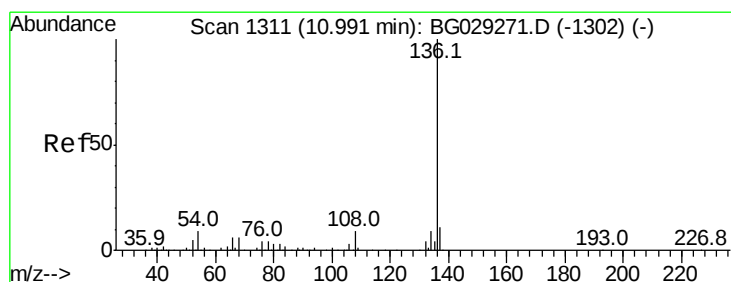
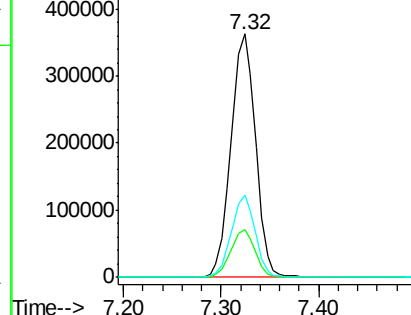
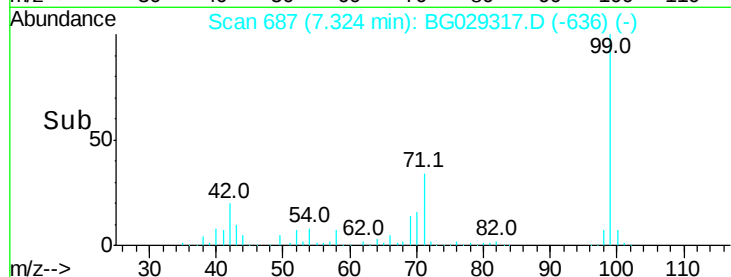
99 100

42 19.8 14.1 21.1

71 33.9 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: 10.98 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

Tgt Ion: 136 Resp: 334636

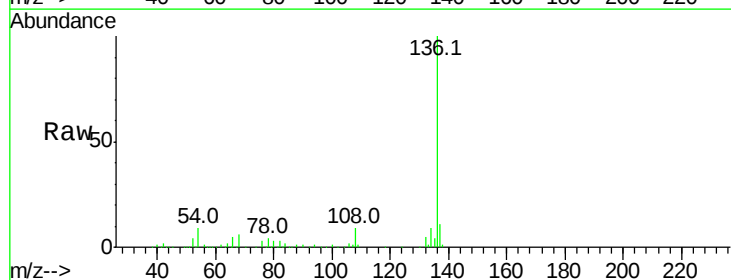
Ion Ratio Lower Upper

136 100

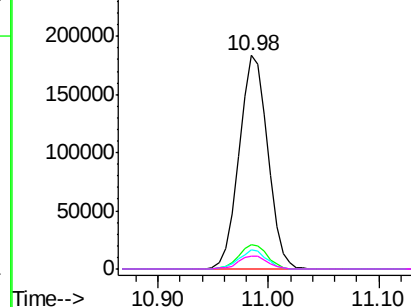
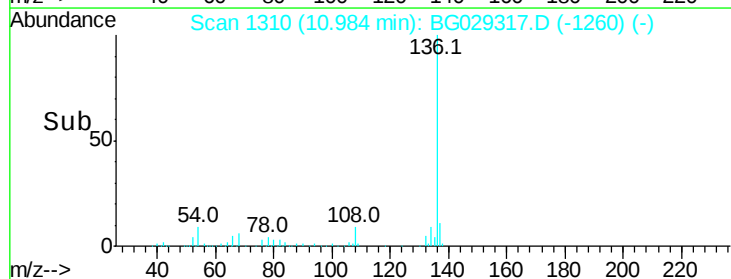
137 11.4 9.2 13.8

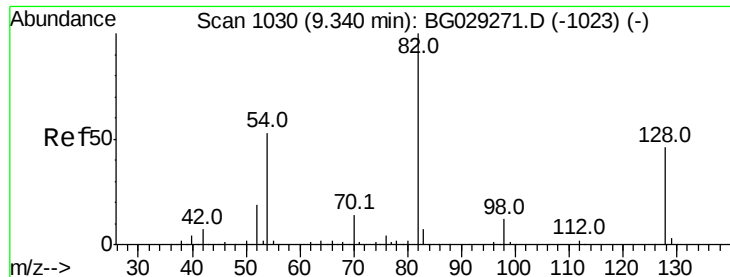
54 8.8 10.3 15.5#

68 6.1 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

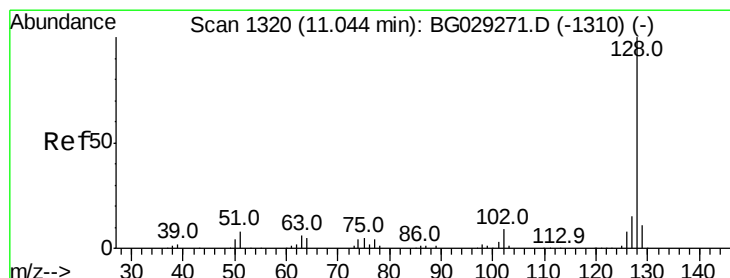
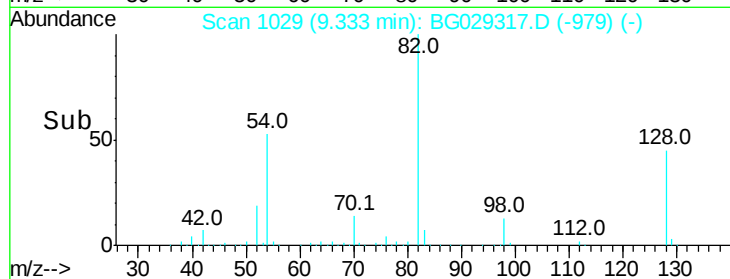
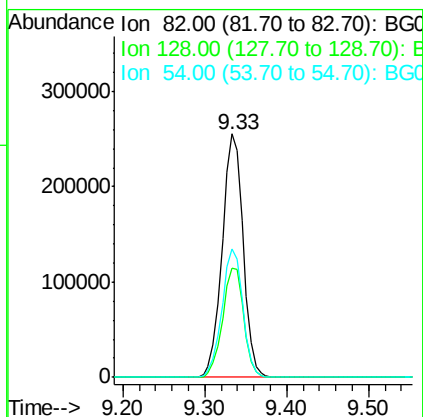
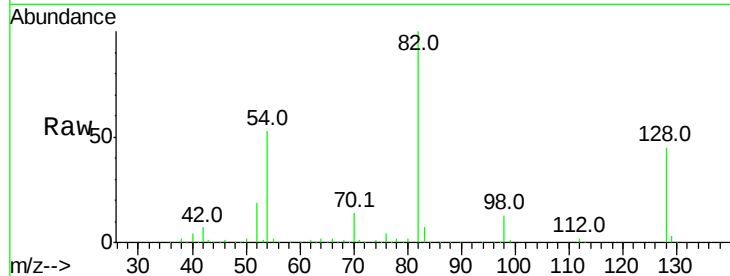




#23
 Nitrobenzene-d5
 Concen: 86.358 ng
 RT: 9.33 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG029317.D
 Acq: 18 Oct 2017 1:29

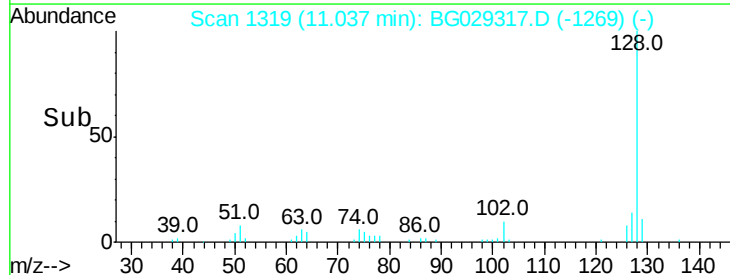
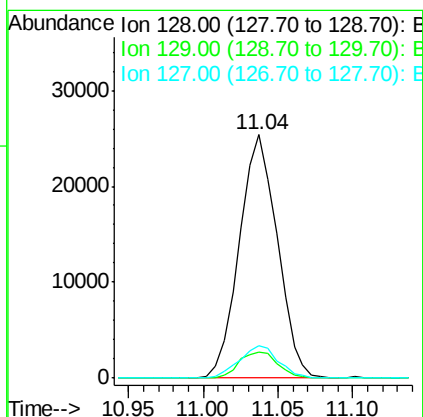
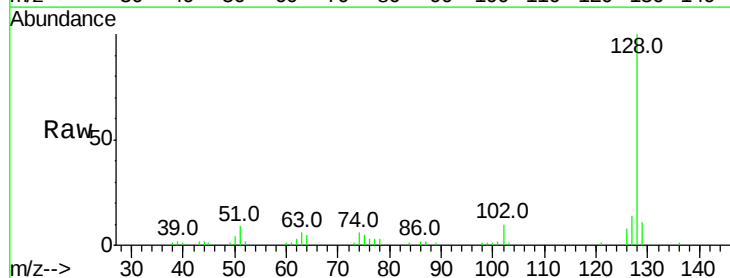
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS-9601

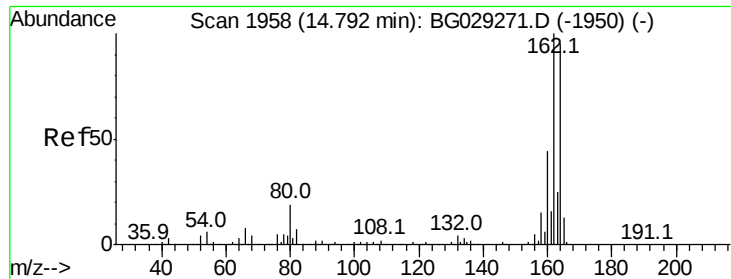
Tot Ion: 82 Resp: 454755
 Ion Ratio Lower Upper
 82 100
 128 45.1 29.7 44.5#
 54 52.7 43.1 64.7



#31
 Naphthalene
 Concen: 2.692 ng
 RT: 11.04 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BG029317.D
 Acq: 18 Oct 2017 1:29

Tgt Ion: 128 Resp: 44893
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.6 12.8
 127 13.5 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-9601

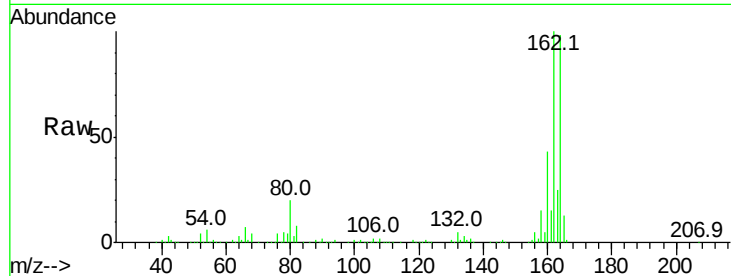
Tot Ion:164 Resp: 215555

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

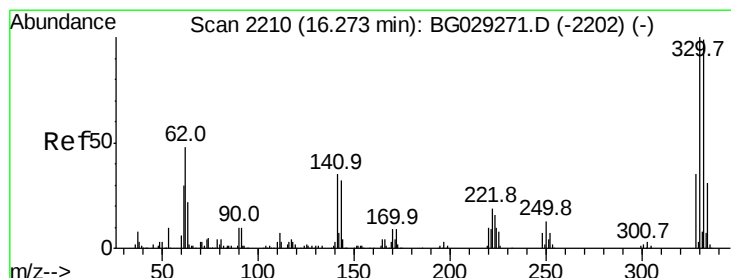
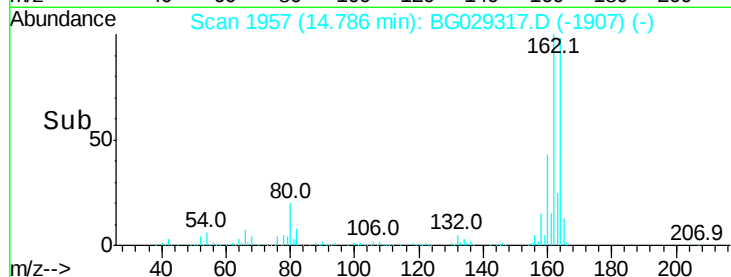
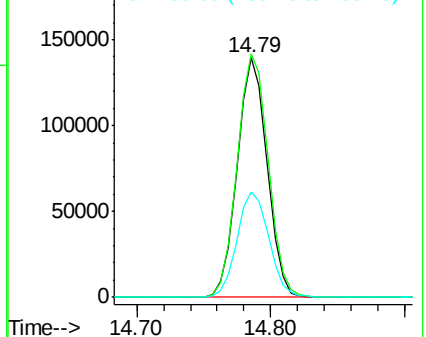
160 43.8 35.4 53.0



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: 93.757 ng

RT: 16.27 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

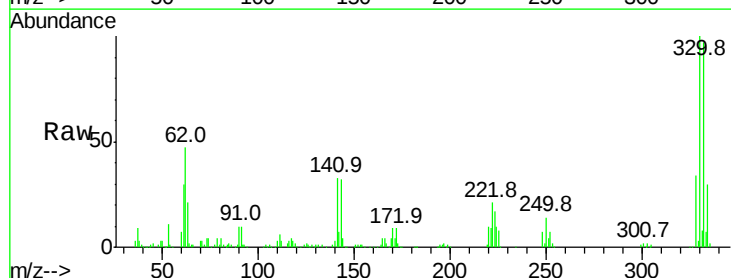
Tgt Ion:330 Resp: 260929

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

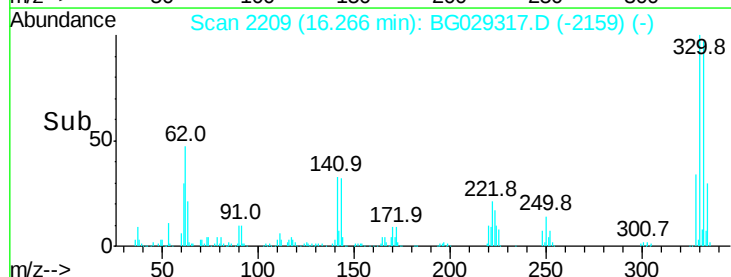
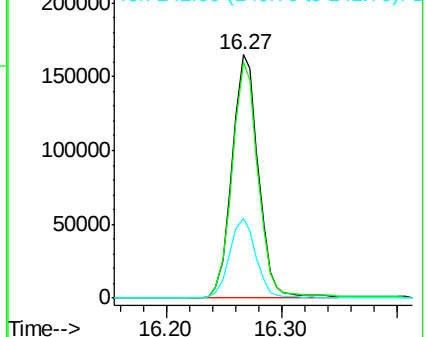
141 33.2 25.2 37.8

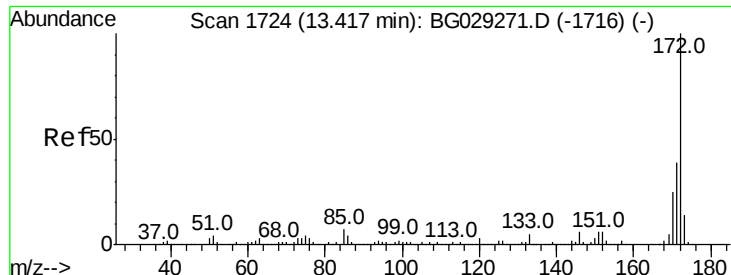


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



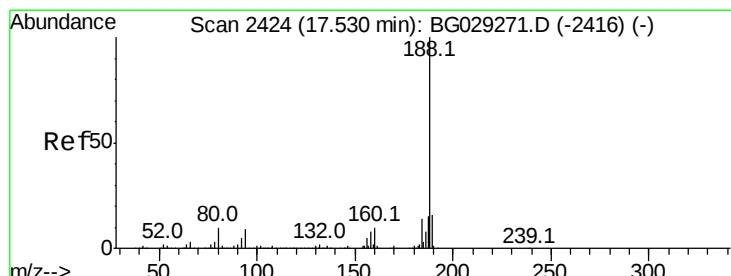
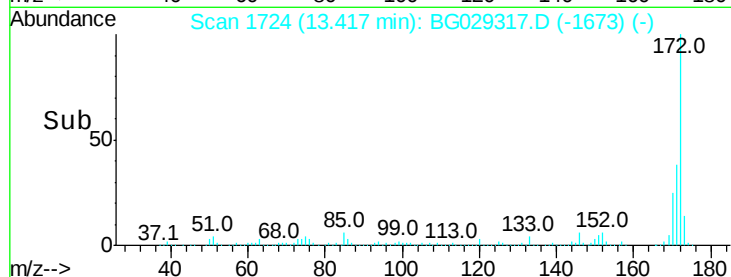
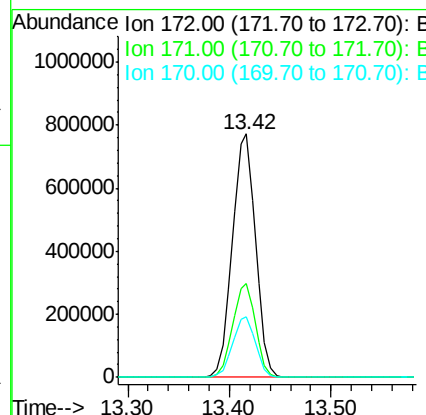
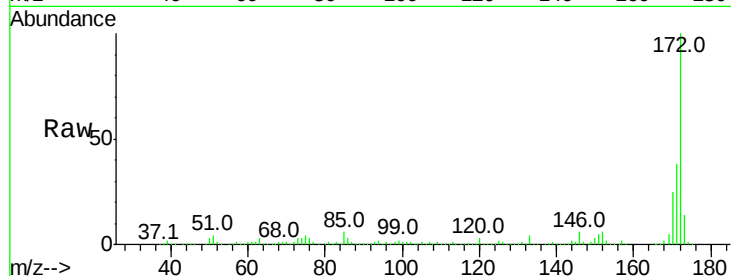


#44
 2-Fluorobiphenyl
 Concen: 83.213 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG029317.D
 Acq: 18 Oct 2017 1:29

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS-9601

Tot Ion:172 Resp: 1222987

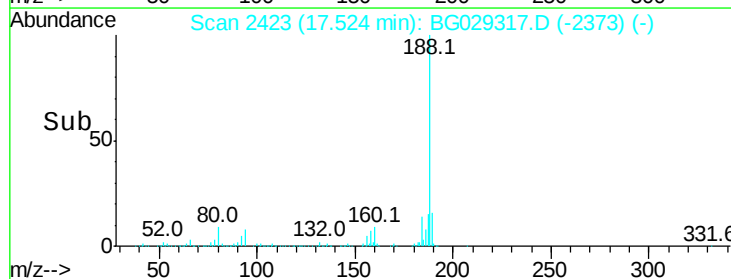
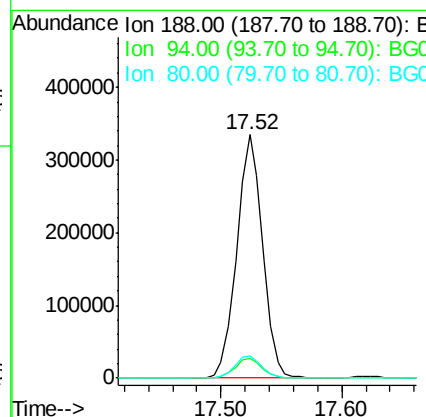
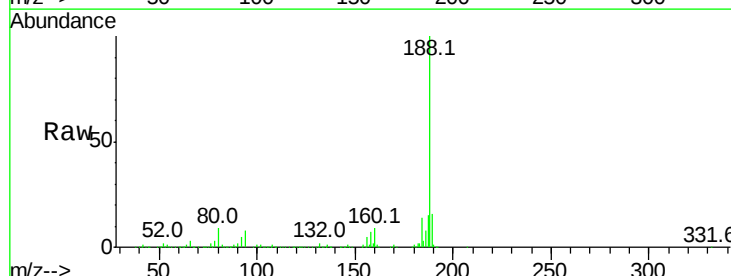
Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.1	19.5	29.3

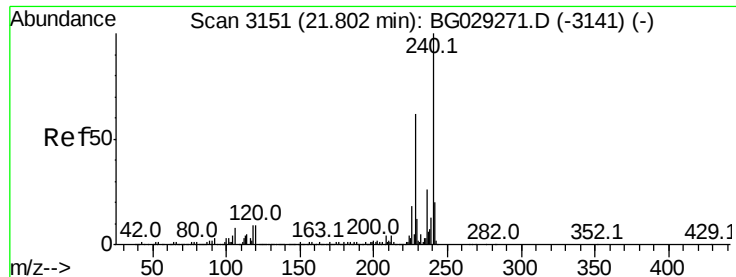


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG029317.D
 Acq: 18 Oct 2017 1:29

Tgt Ion:188 Resp: 496854

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.3	7.7	11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-9601

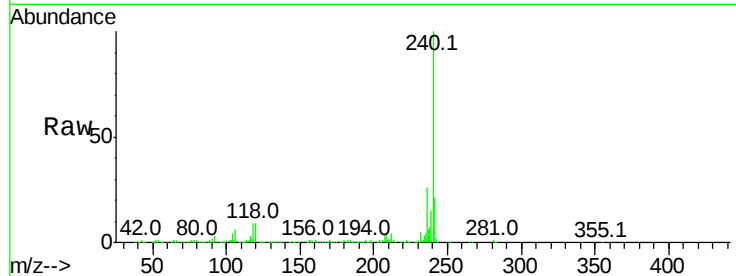
Tot Ion:240 Resp: 518546

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

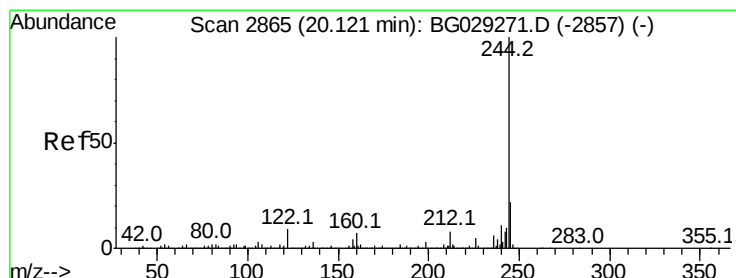
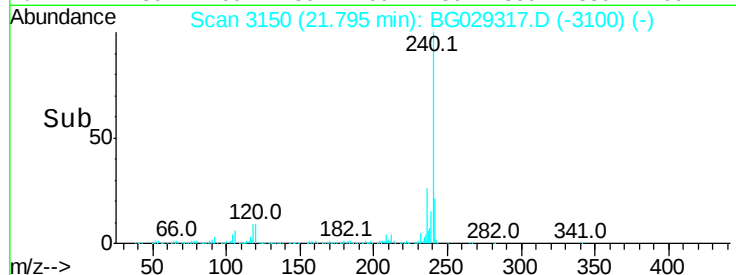
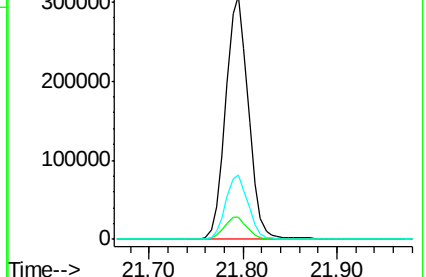
236 26.2 20.9 31.3



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: 79.723 ng

RT: 20.11 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029317.D

Acq: 18 Oct 2017 1:29

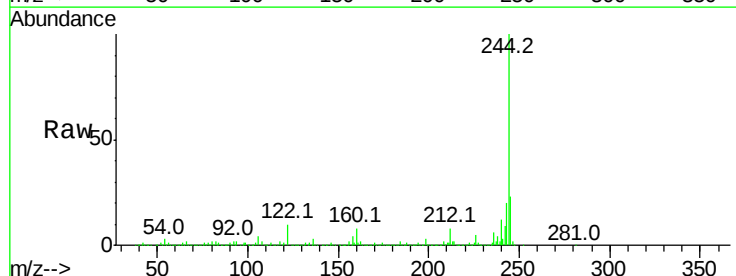
Tgt Ion:244 Resp: 1817204

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

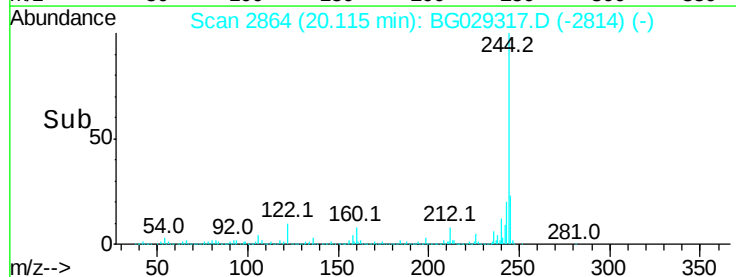
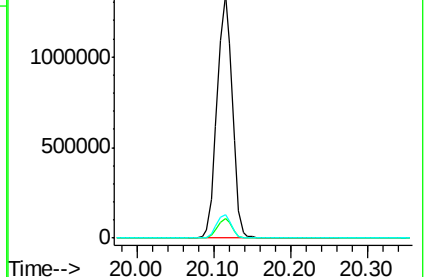
122 9.8 7.0 10.4

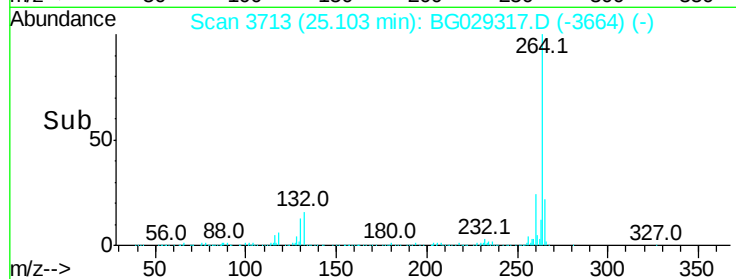
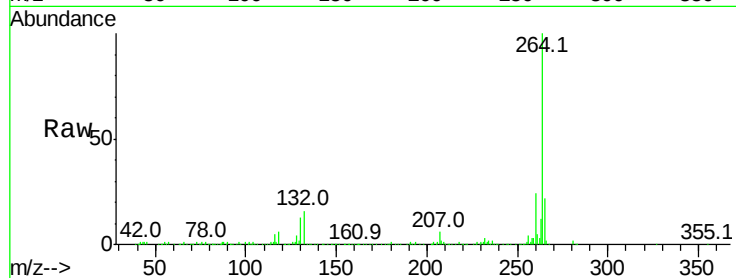
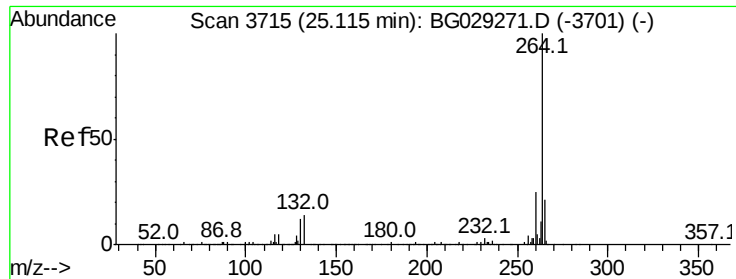


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG029317.D
Acq: 18 Oct 2017 1:29

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS-9601

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.9	17.7	26.5

