

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041117\
 Data File : BG026634.D
 Acq On : 12 Apr 2017 2:23
 Operator : SJ/MA
 Sample : I2621-01
 Misc : For Confirmation
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 12 06:51:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

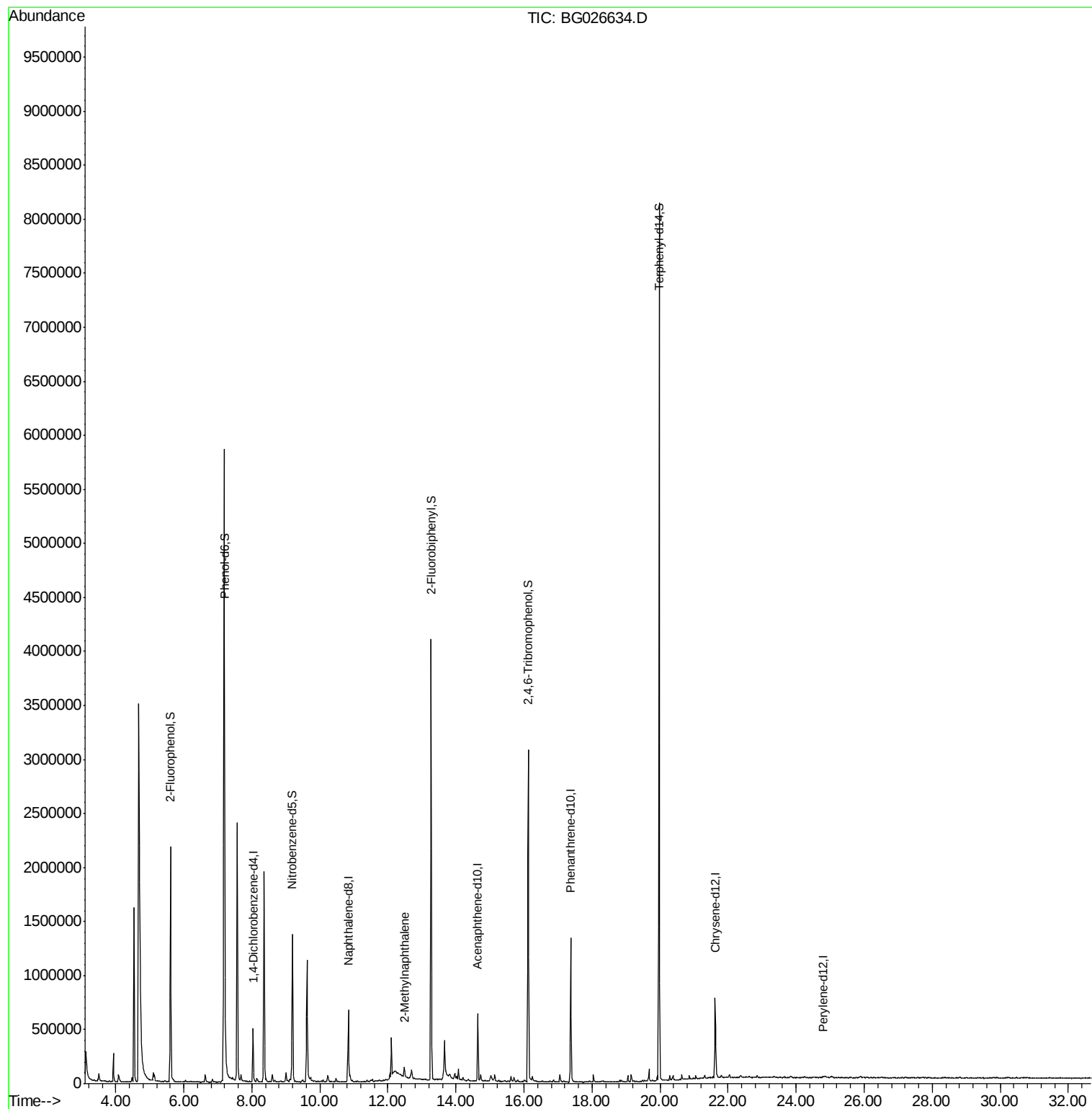
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	160810	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	639243	20.00	ng	-0.01
38) Acenaphthene-d10	14.64	164	169057	20.00	ng	-0.01
63) Phenanthrene-d10	17.37	188	755645	20.00	ng	-0.01
75) Chrysene-d12	21.62	240	257635	20.00	ng	-0.02
86) Perylene-d12	24.80	264	1737	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1167613	128.87	ng	0.00
7) Phenol-d6	7.20	99	825650	67.88	ng	0.00
23) Nitrobenzene-d5	9.19	82	873700	82.18	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	682386	352.47	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	2305834	191.28	ng	-0.01
78) Terphenyl-d14	19.97	244	3060404	288.49	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	12.49	142	47980	2.03	ng	Qvalue # 86

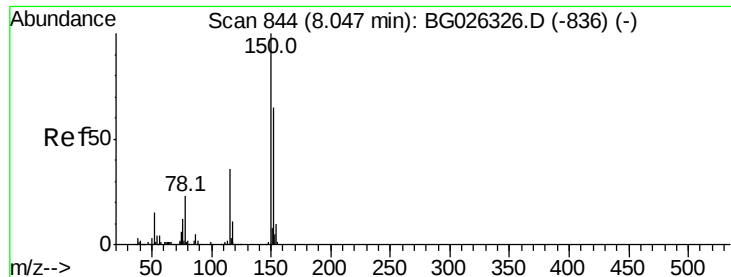
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

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ClientSampleId :

SOIL-CUTTINGS

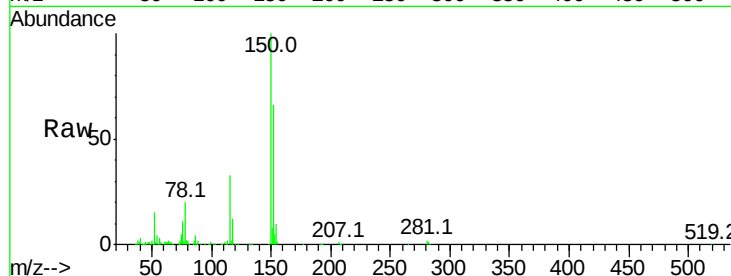
Tot Ion:152 Resp: 160810

Ion Ratio Lower Upper

152 100

150 152.5 114.0 171.0

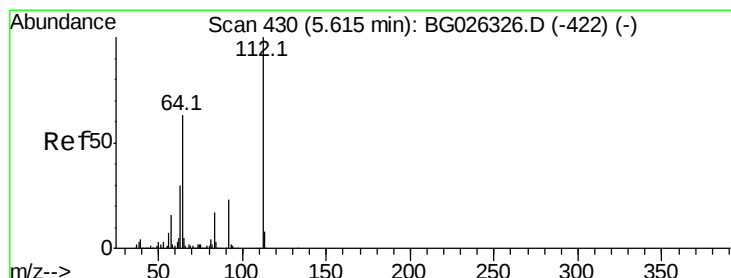
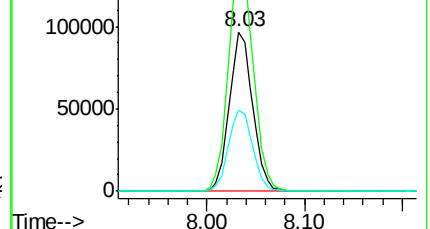
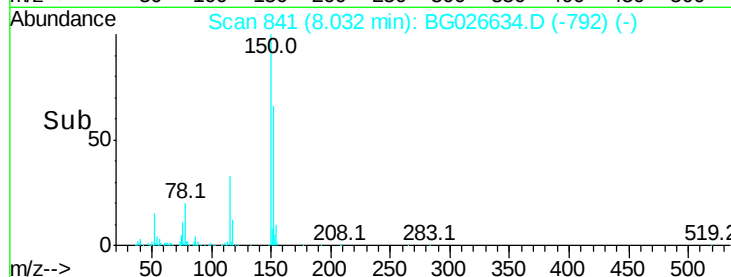
115 50.8 48.1 72.1



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: 128.87 ng

RT: 5.61 min Scan# 429

Delta R.T. -0.00 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

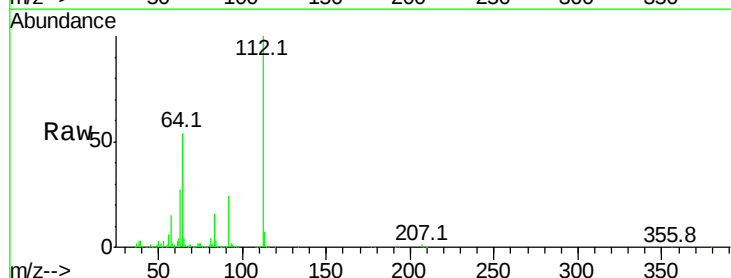
Tgt Ion:112 Resp: 1167613

Ion Ratio Lower Upper

112 100

64 54.2 61.8 92.6#

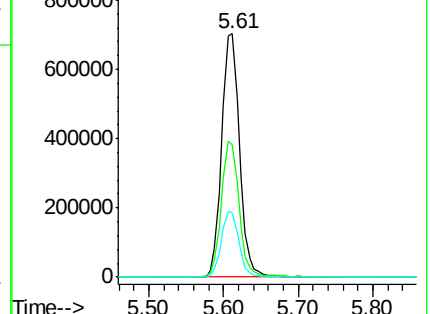
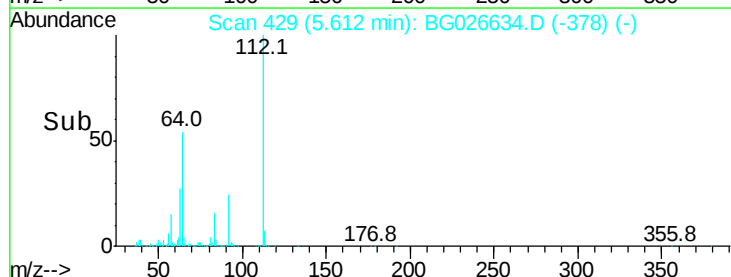
63 26.5 37.2 55.8#

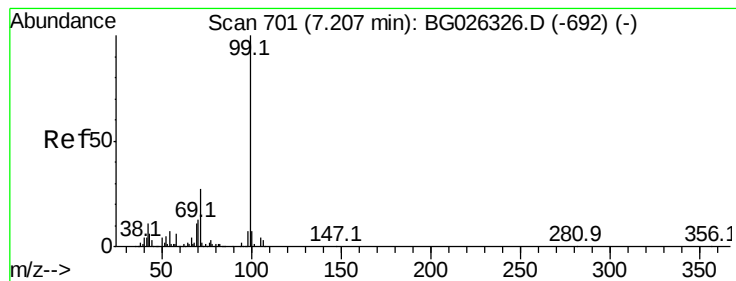


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 67.88 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

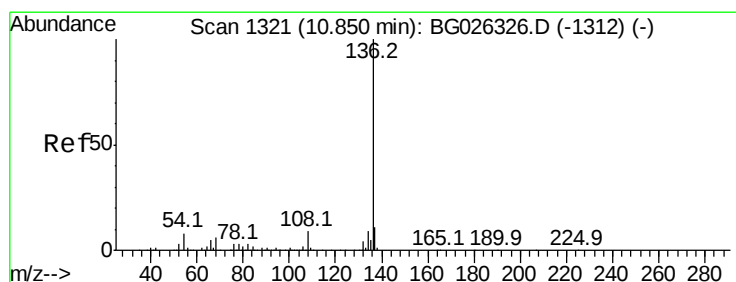
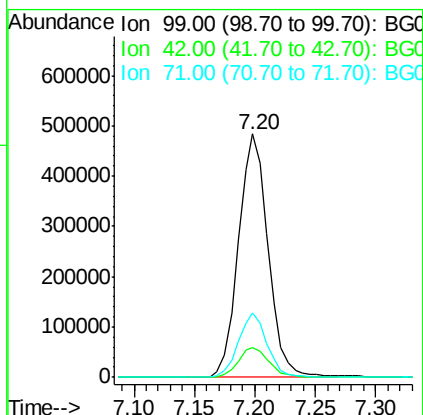
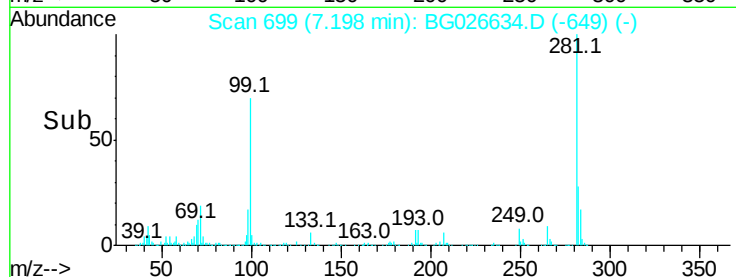
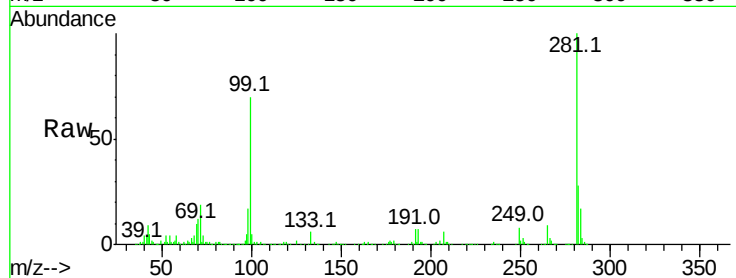
Tot Ion: 99 Resp: 825650

Ion Ratio Lower Upper

99 100

42 12.5 20.5 30.7#

71 26.7 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

Tgt Ion: 136 Resp: 639243

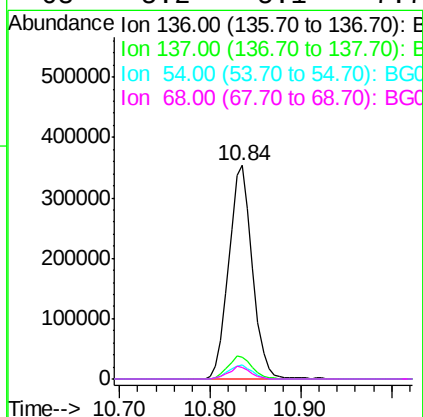
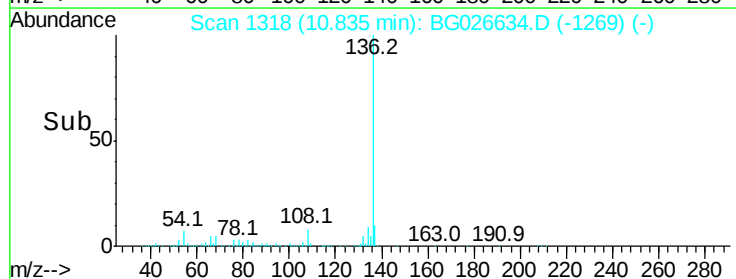
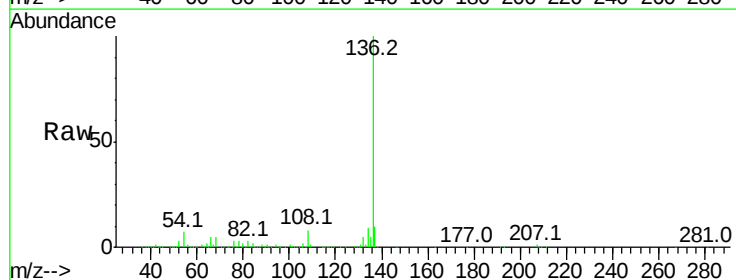
Ion Ratio Lower Upper

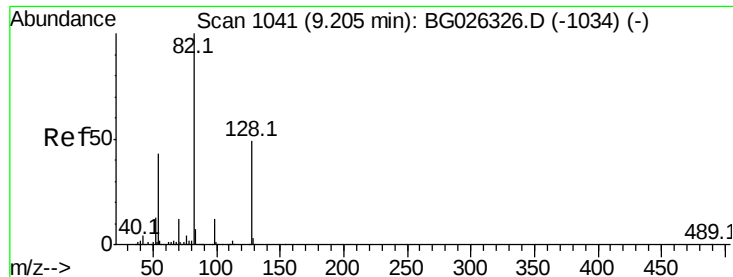
136 100

137 10.2 8.9 13.3

54 6.7 9.3 13.9#

68 5.2 5.1 7.7

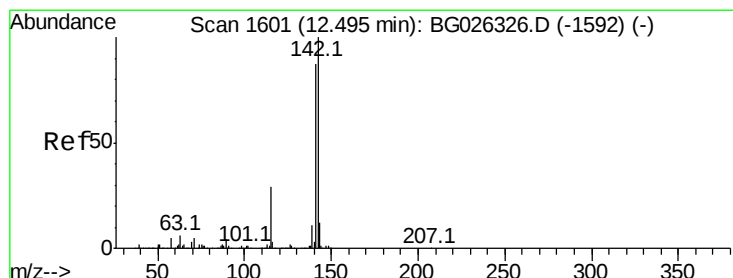
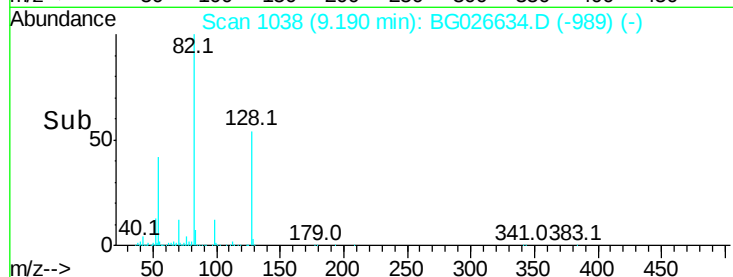
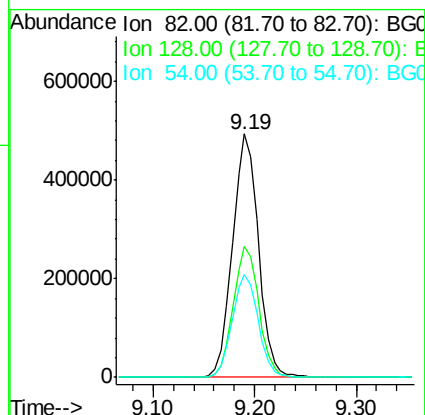
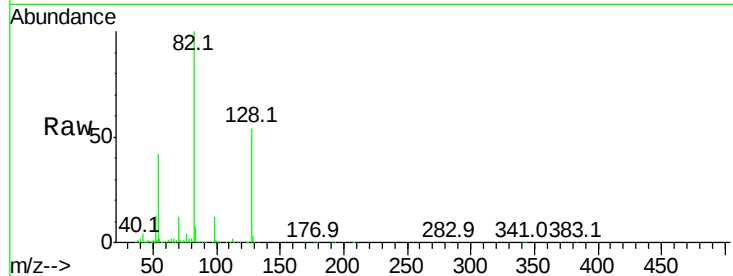




#23
 Nitrobenzene-d5
 Concen: 82.18 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BG026634.D
 Acq: 12 Apr 2017 2:23

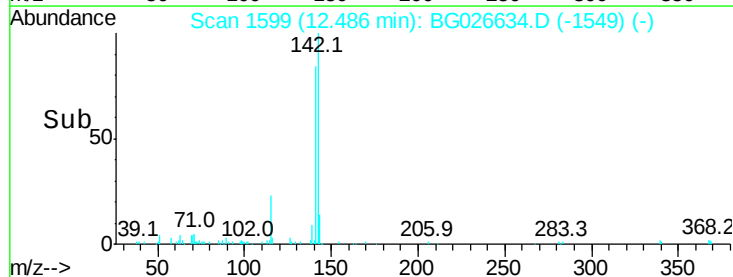
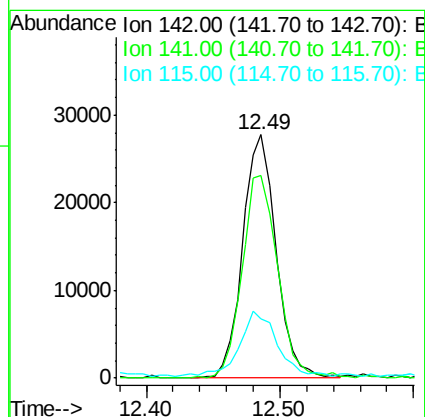
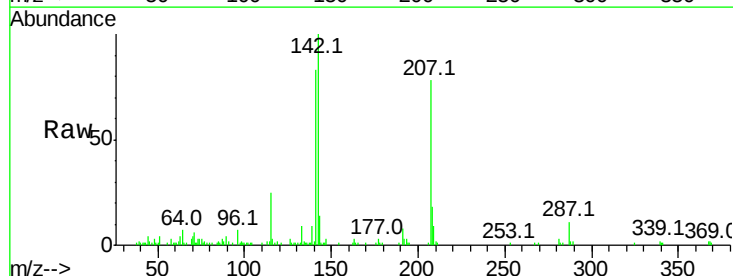
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

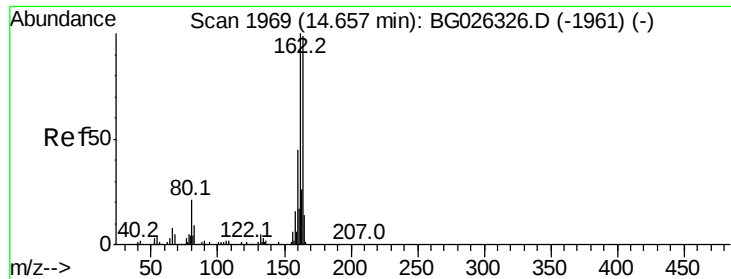
Tot Ion: 82 Resp: 873700
 Ion Ratio Lower Upper
 82 100
 128 53.9 26.4 39.6#
 54 42.1 49.4 74.2#



#37
 2-Methylnaphthalene
 Concen: 2.03 ng
 RT: 12.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BG026634.D
 Acq: 12 Apr 2017 2:23

Tgt Ion: 142 Resp: 47980
 Ion Ratio Lower Upper
 142 100
 141 83.4 70.4 105.6
 115 24.5 35.5 53.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.01 min

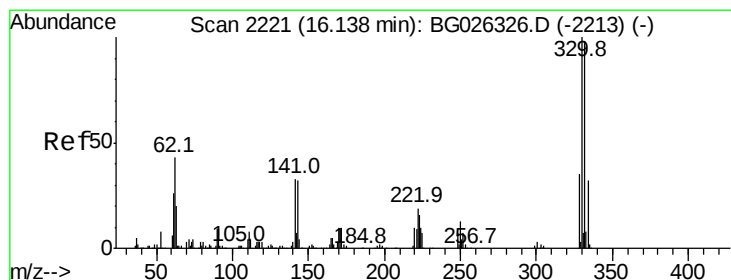
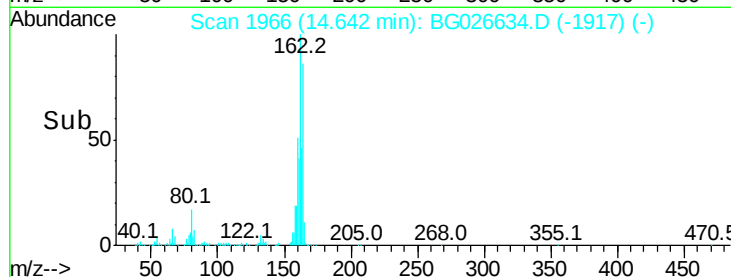
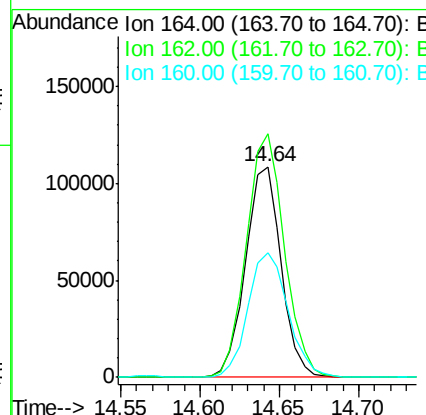
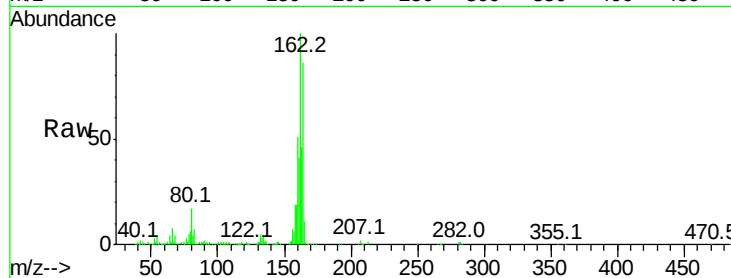
Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:164 Resp: 169057

Ion	Ratio	Lower	Upper
164	100		
162	115.8	85.1	127.7
160	59.0	34.7	52.1#



#41

2,4,6-Tribromophenol

Concen: 352.47 ng

RT: 16.12 min Scan# 2218

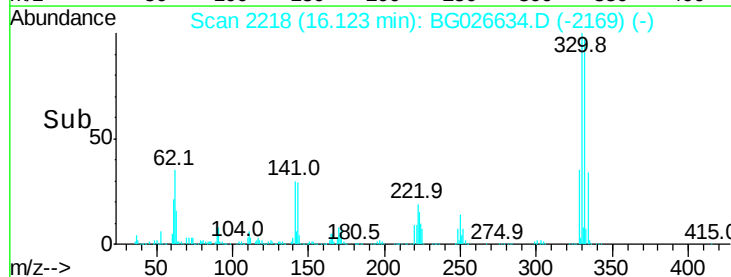
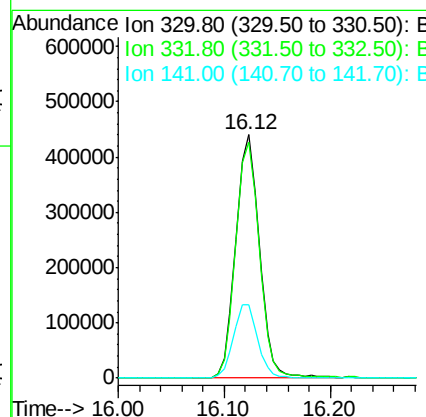
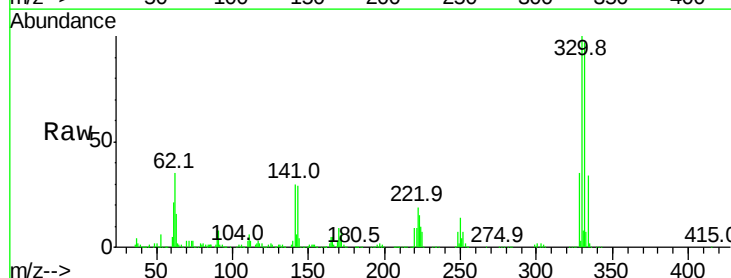
Delta R.T. -0.01 min

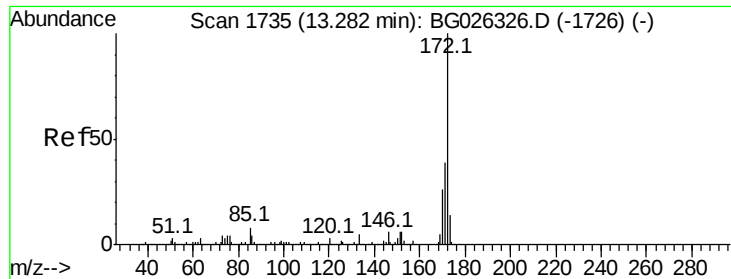
Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

Tgt Ion:330 Resp: 682386

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	30.6	32.1	48.1#

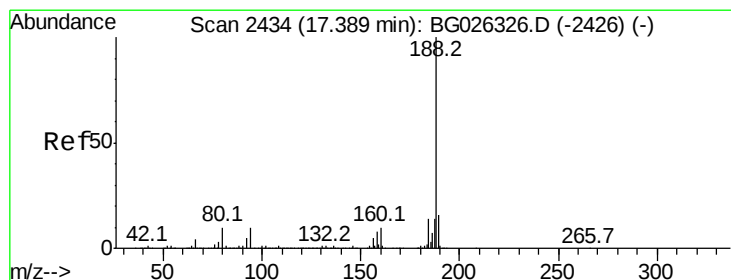
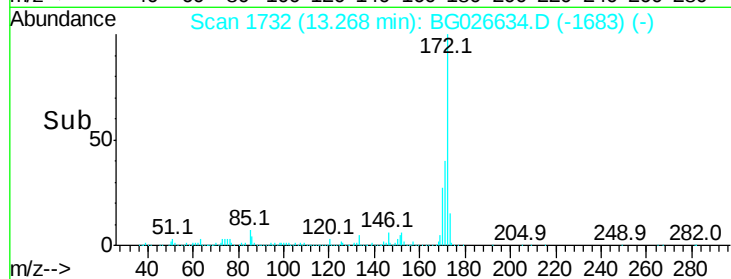
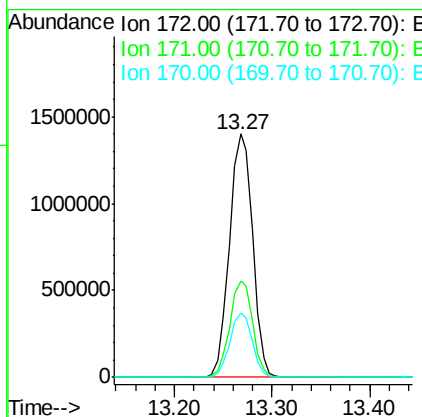
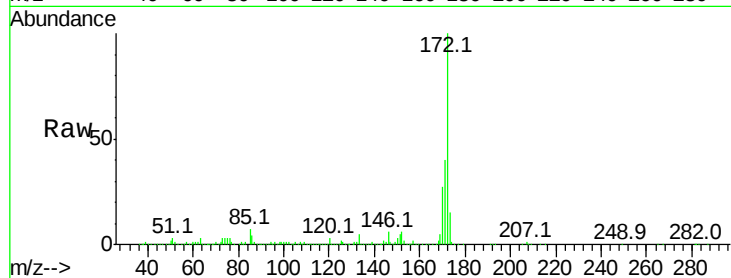




#44
2-Fluorobiphenyl
Concen: 191.28 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BG026634.D
Acq: 12 Apr 2017 2:23

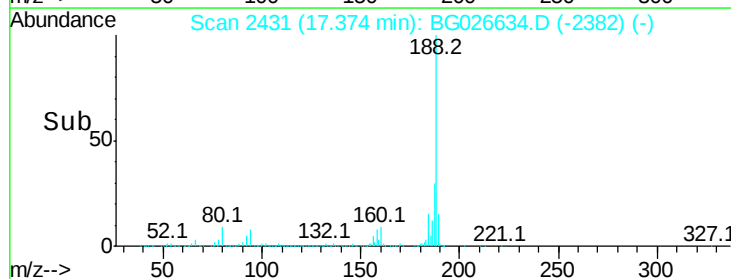
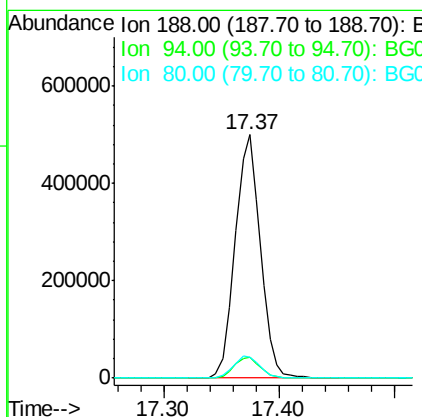
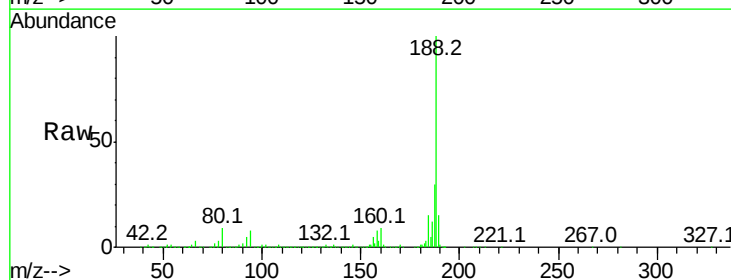
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

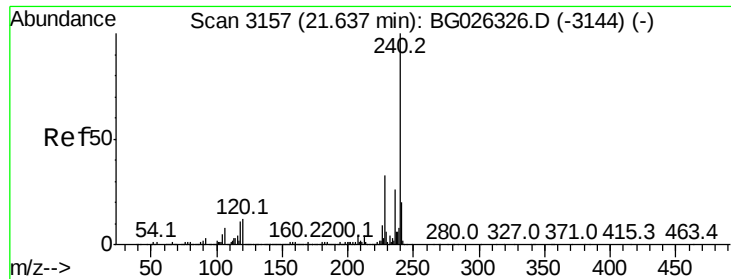
Tot Ion:172 Resp: 2305834
Ion Ratio Lower Upper
172 100
171 39.8 32.2 48.2
170 26.5 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG026634.D
Acq: 12 Apr 2017 2:23

Tgt Ion:188 Resp: 755645
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.8
80 8.6 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

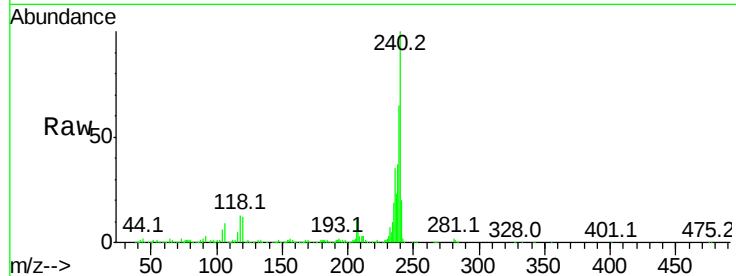
Tot Ion:240 Resp: 257635

Ion Ratio Lower Upper

240 100

120 12.1 5.7 8.5#

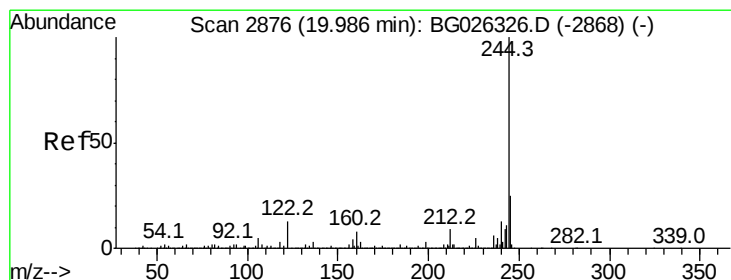
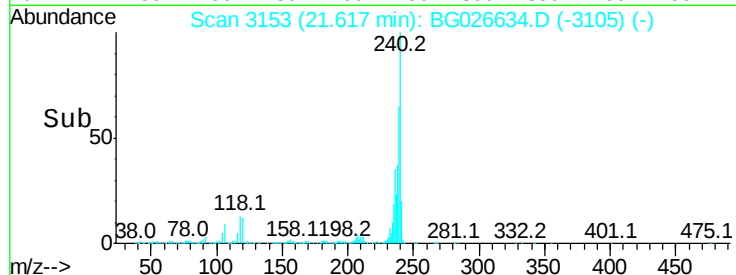
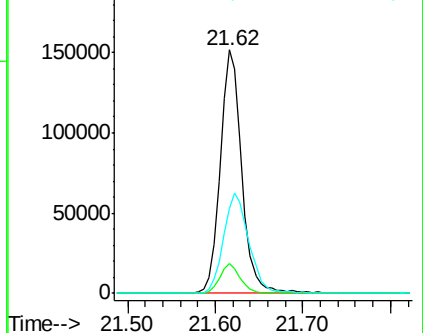
236 34.9 22.2 33.4#



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: 288.49 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BG026634.D

Acq: 12 Apr 2017 2:23

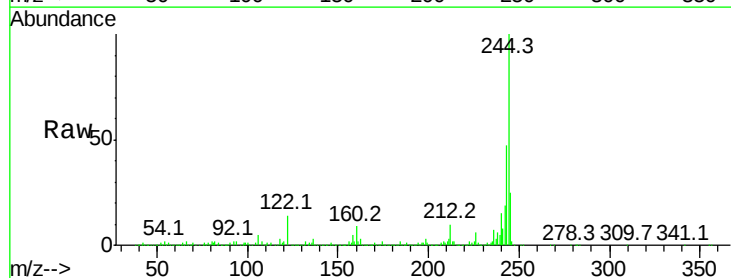
Tgt Ion:244 Resp: 3060404

Ion Ratio Lower Upper

244 100

212 9.5 10.0 15.0#

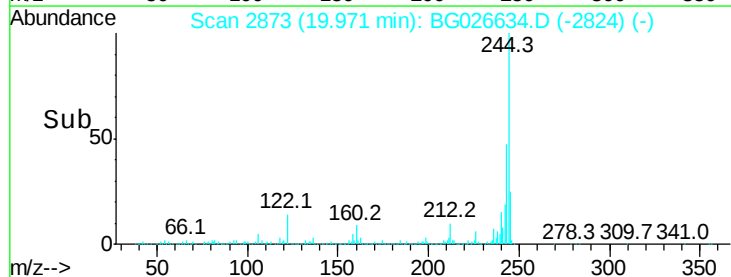
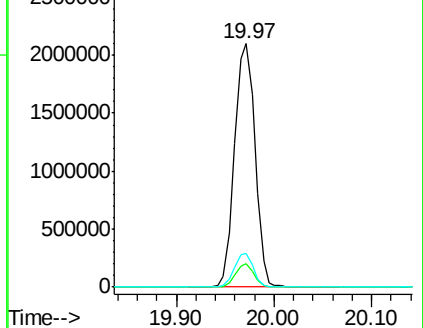
122 13.6 8.6 12.8#

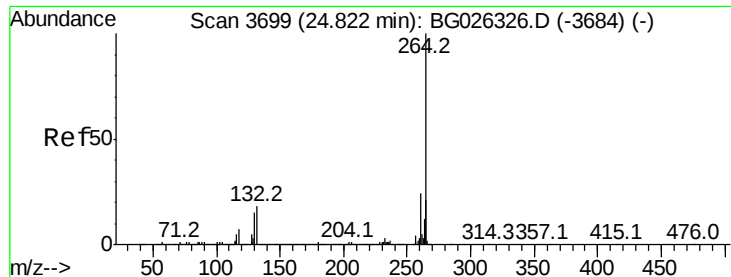


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.80 min Scan# 3695
 Delta R.T. -0.02 min
 Lab File: BG026634.D
 Acq: 12 Apr 2017 2:23

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	51.4	21.8	32.8#
265	70.8	18.2	27.4#

