

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041217\
 Data File : BG026637.D
 Acq On : 12 Apr 2017 15:07
 Operator : SJ/MA
 Sample : I2621-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSRE

Quant Time: Apr 13 06:41:05 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	147539	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	578228	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	125416	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	571812	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	157054	20.00	ng	-0.02
86) Perylene-d12	24.81	264	2458m	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1076267	129.48	ng	0.00
7) Phenol-d6	7.19	99	669838	60.02	ng	-0.01
23) Nitrobenzene-d5	9.19	82	812928	84.53	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	624817	435.04	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	2113514	236.33	ng	-0.02
78) Terphenyl-d14	19.97	244	2348406	363.14	ng	-0.02

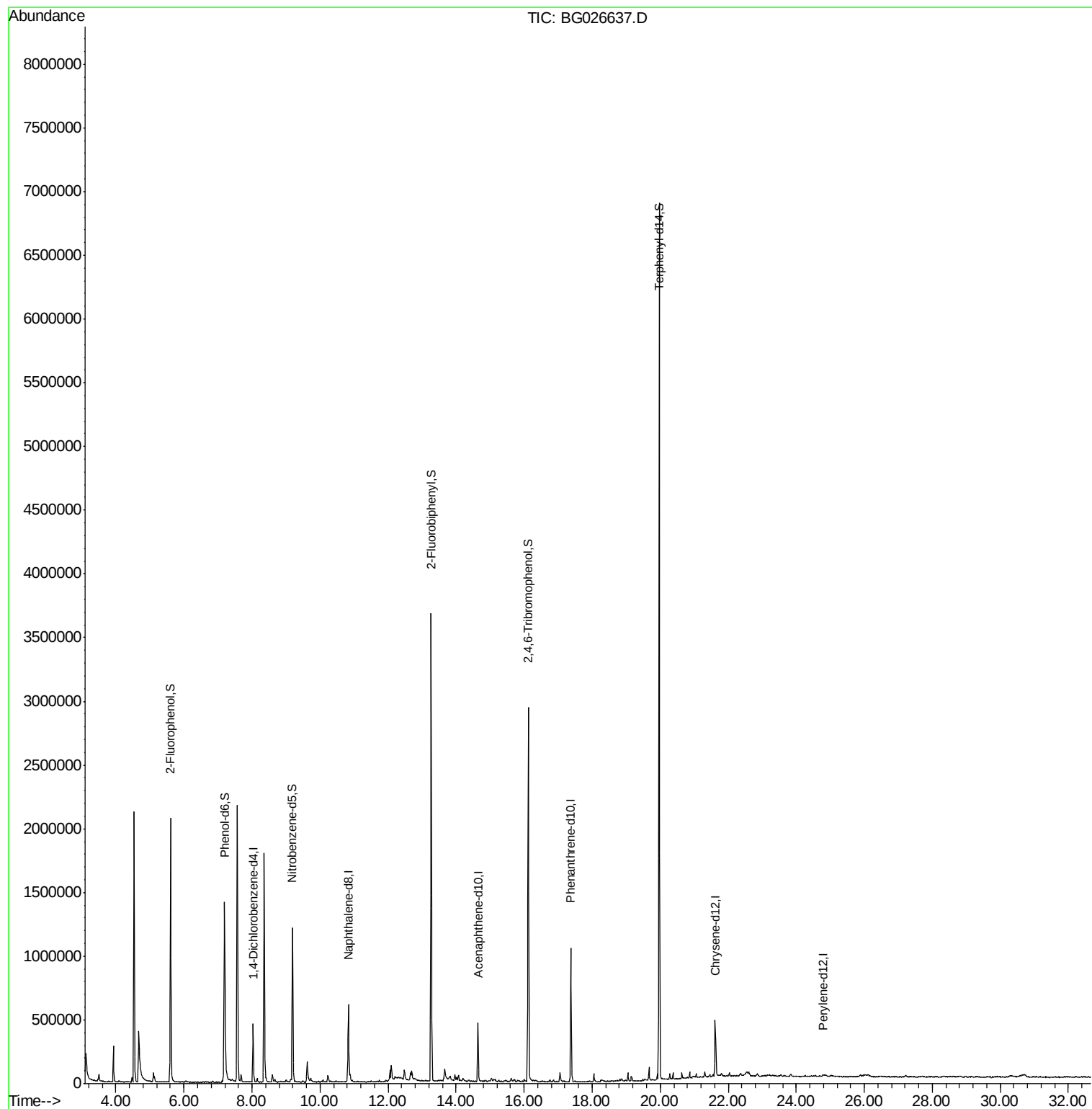
Target Compounds Qvalue

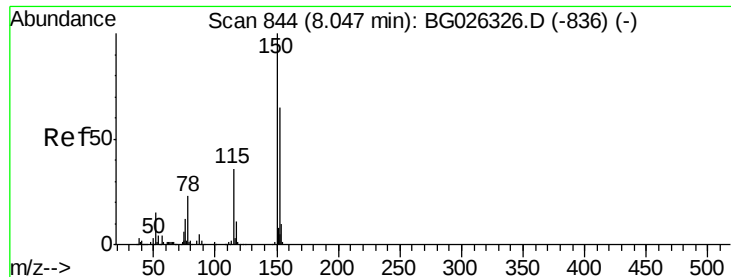
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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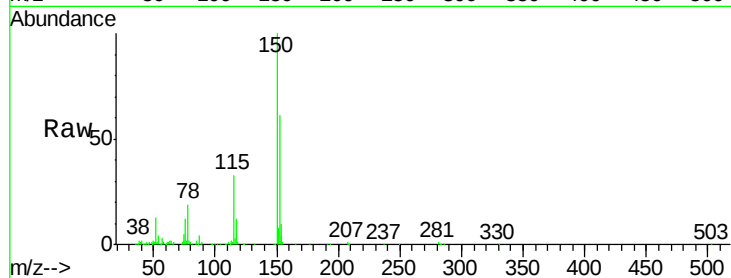


#1

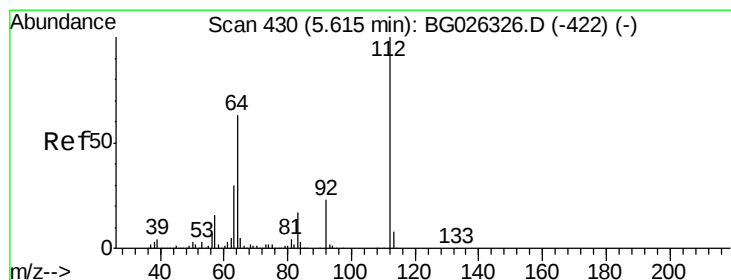
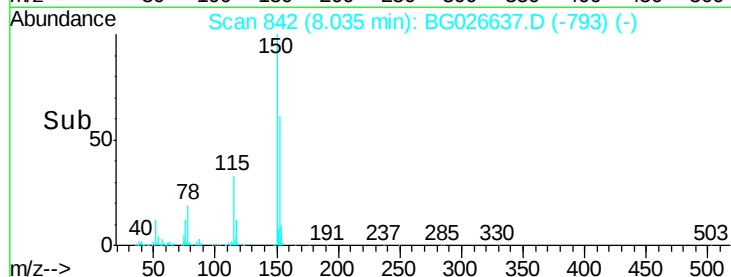
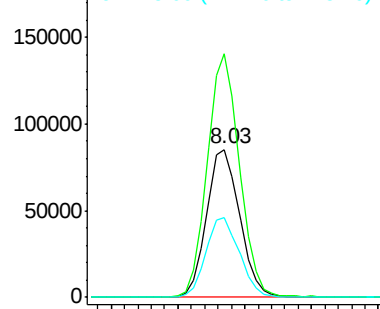
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 842
Delta R.T. -0.01 min
Lab File: BG026637.D
Acq: 12 Apr 2017 15:07

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSRE

Tot Ion:152 Resp: 147539
Ion Ratio Lower Upper
152 100
150 164.5 114.0 171.0
115 54.1 48.1 72.1



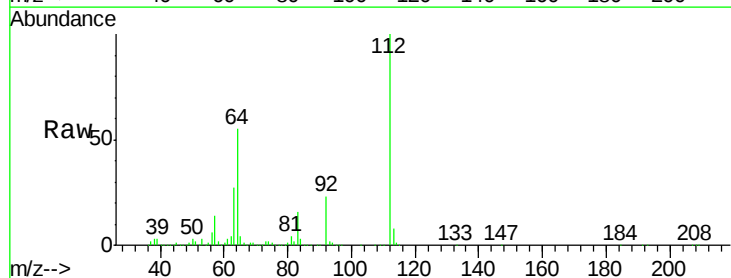
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



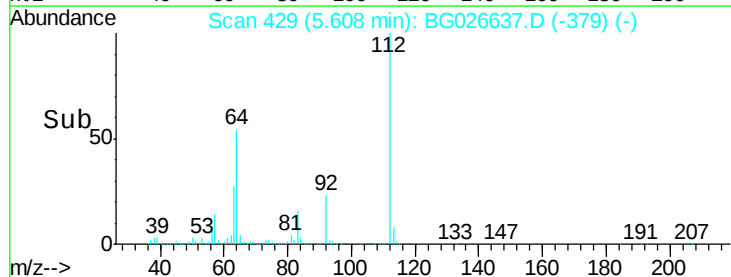
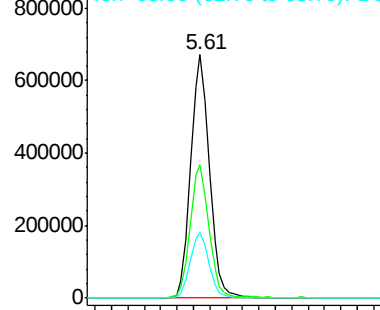
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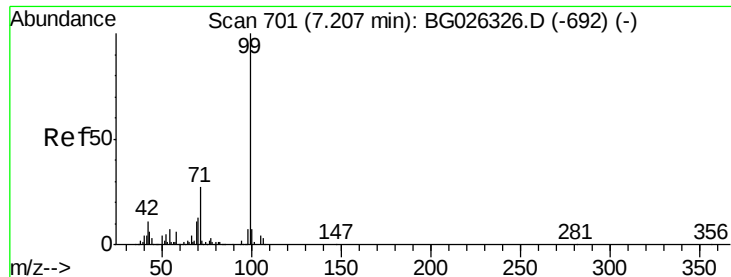
2-Fluorophenol
Concen: 129.48 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG026637.D
Acq: 12 Apr 2017 15:07

Tgt Ion:112 Resp: 1076267
Ion Ratio Lower Upper
112 100
64 54.7 61.8 92.6#
63 27.0 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 60.02 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSRE

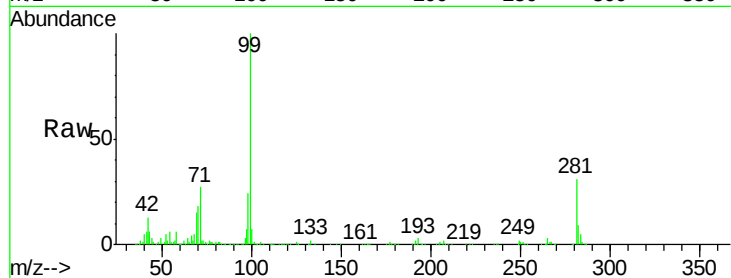
Tot Ion: 99 Resp: 669838

Ion Ratio Lower Upper

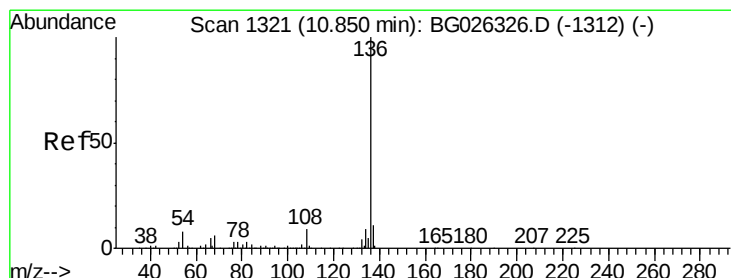
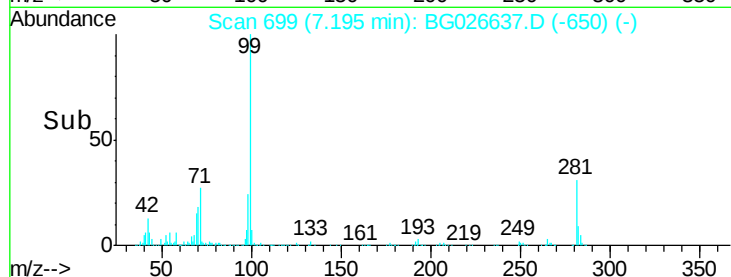
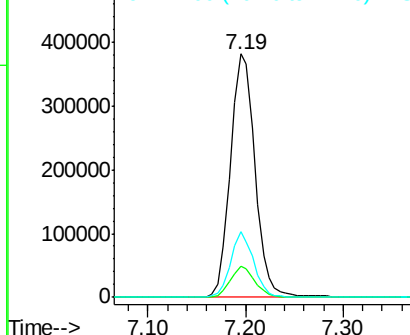
99 100

42 12.6 20.5 30.7#

71 27.0 37.6 56.4#



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: 20.00 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

Tgt Ion: 136 Resp: 578228

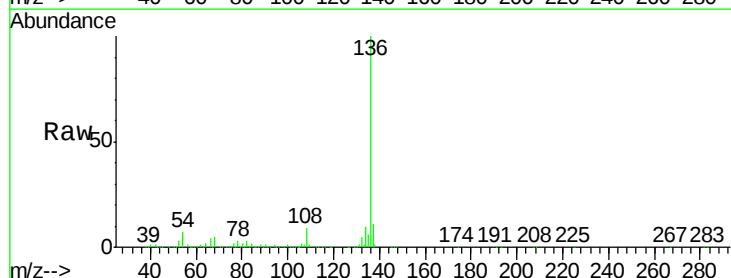
Ion Ratio Lower Upper

136 100

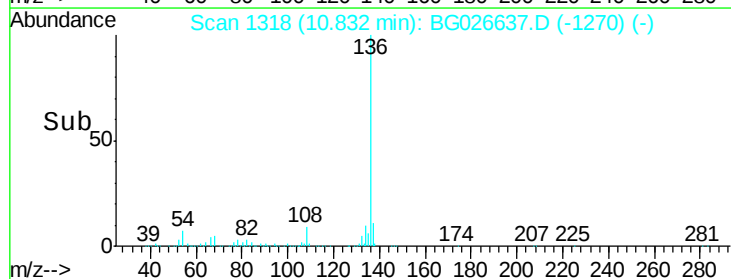
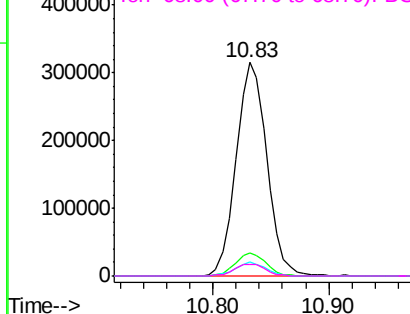
137 11.0 8.9 13.3

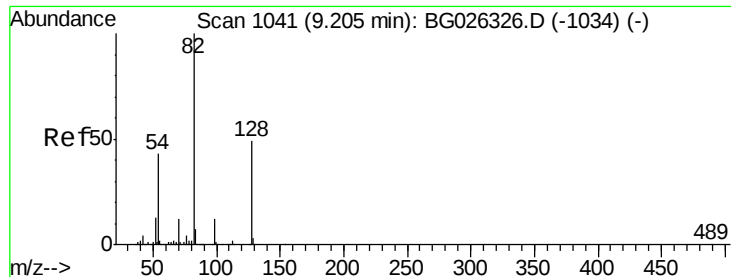
54 6.5 9.3 13.9#

68 5.3 5.1 7.7



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

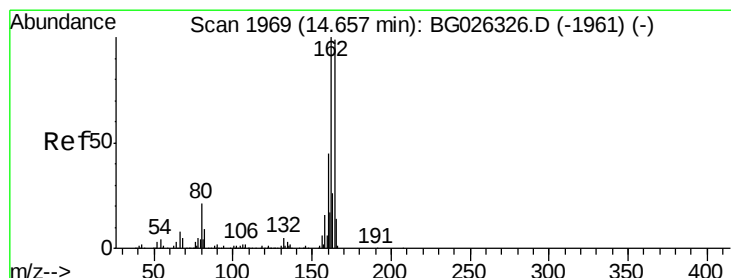
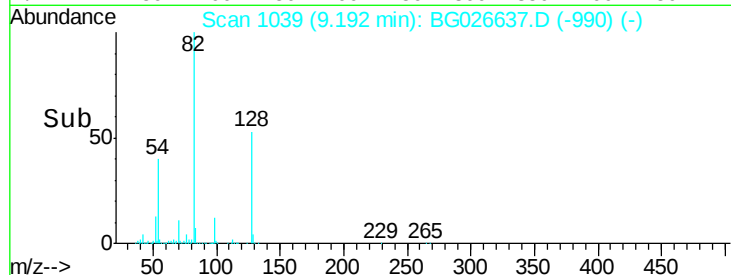
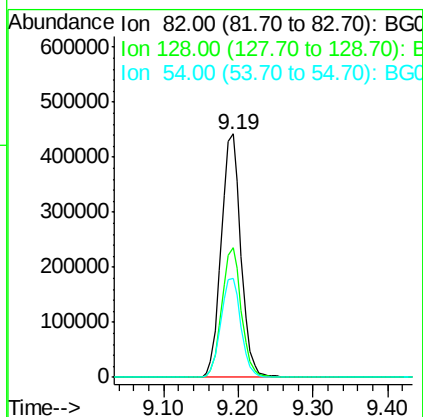
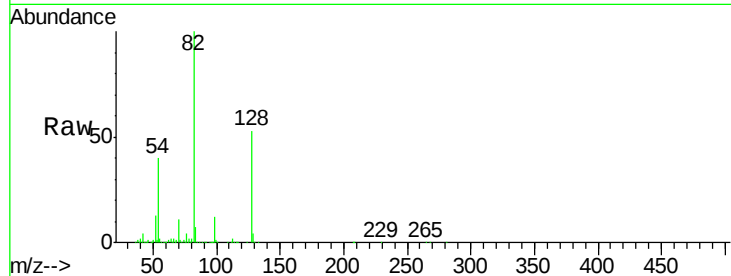




#23
Nitrobenzene-d5
Concen: 84.53 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BG026637.D
Acq: 12 Apr 2017 15:07

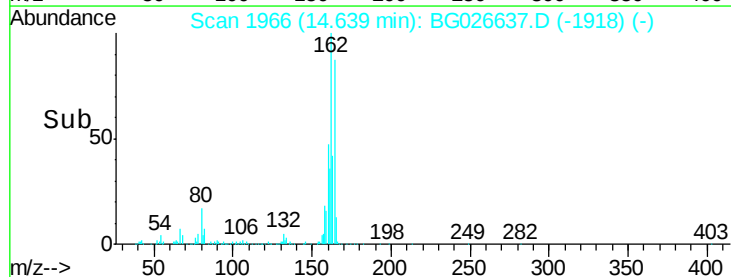
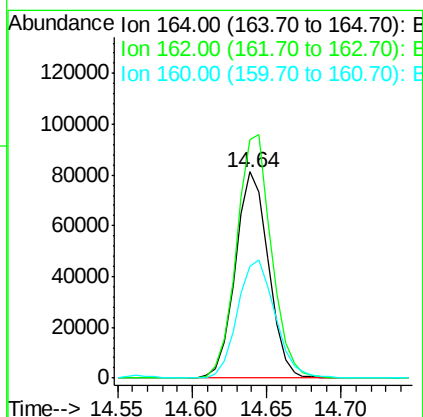
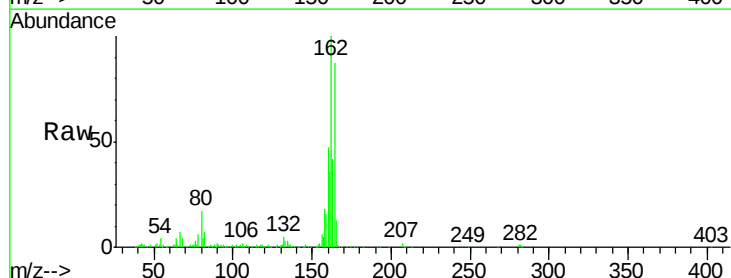
Instrument :
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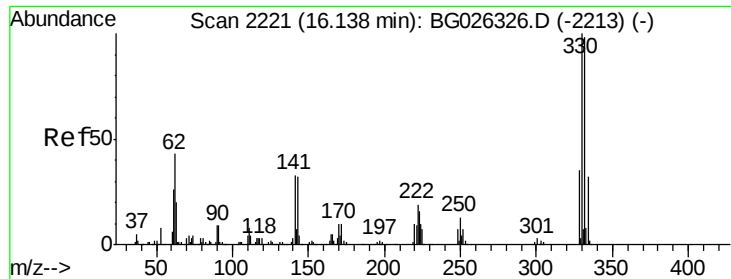
Tot Ion: 82 Resp: 812928
Ion Ratio Lower Upper
82 100
128 53.5 26.4 39.6#
54 40.4 49.4 74.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BG026637.D
Acq: 12 Apr 2017 15:07

Tgt Ion: 164 Resp: 125416
Ion Ratio Lower Upper
164 100
162 115.5 85.1 127.7
160 54.4 34.7 52.1#

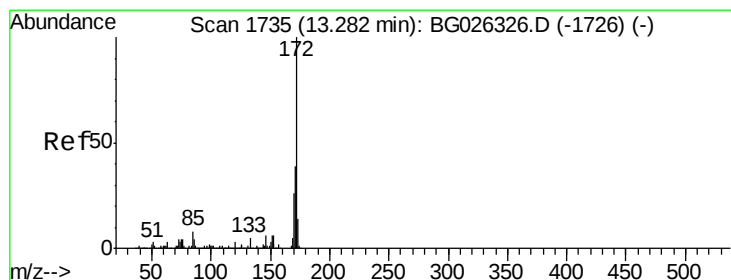
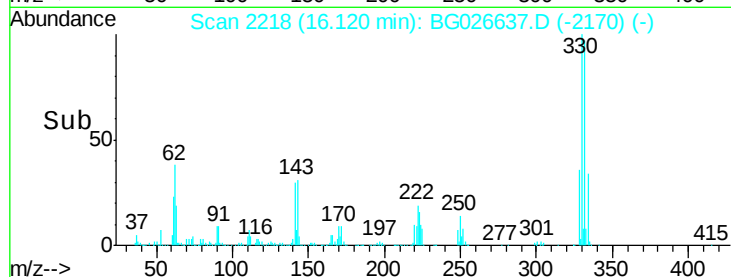
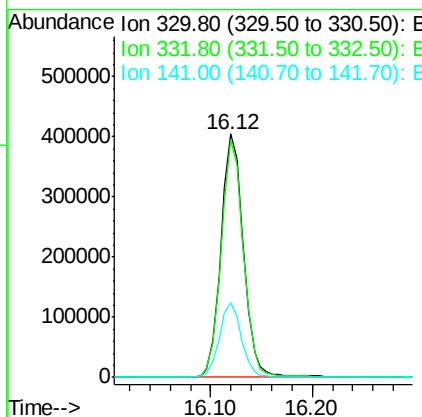
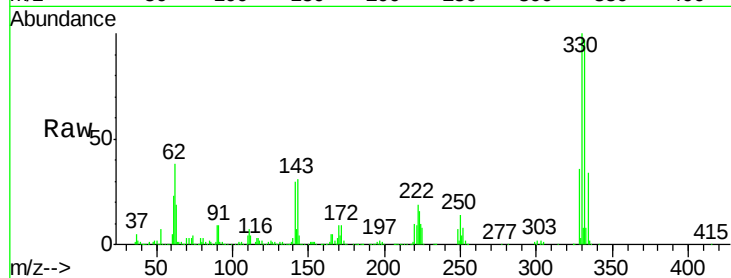




#41
 2,4,6-Tribromophenol
 Concen: 435.04 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.02 min
 Lab File: BG026637.D
 Acq: 12 Apr 2017 15:07

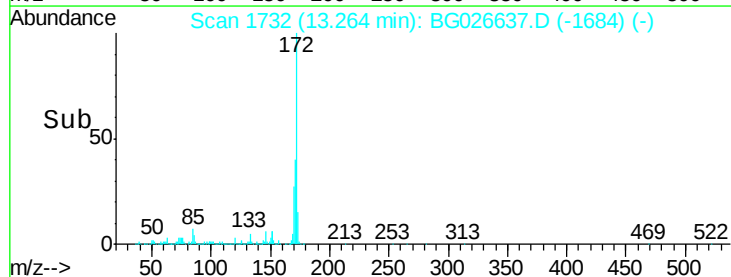
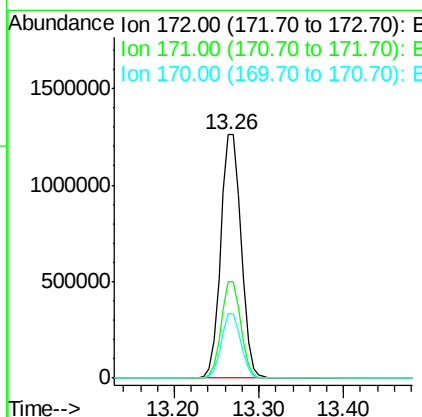
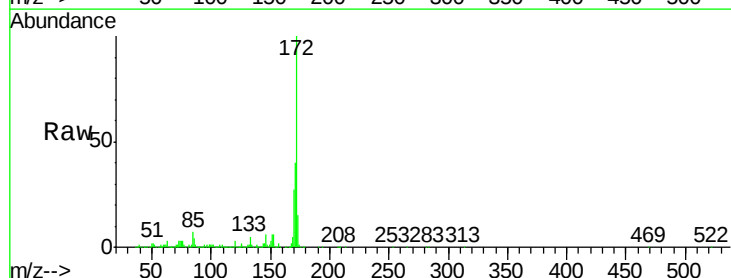
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSRE

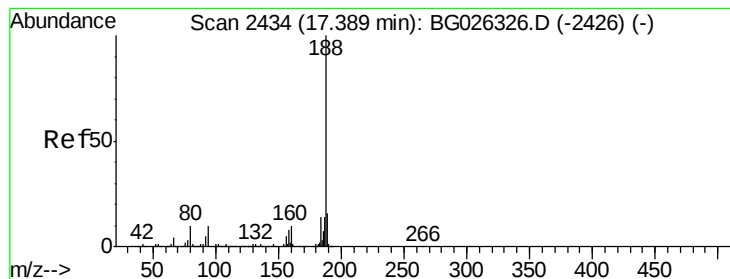
Tot Ion:330 Resp: 624817
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 30.2 32.1 48.1#



#44
 2-Fluorobiphenyl
 Concen: 236.33 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: BG026637.D
 Acq: 12 Apr 2017 15:07

Tgt Ion:172 Resp: 2113514
 Ion Ratio Lower Upper
 172 100
 171 39.7 32.2 48.2
 170 26.6 21.8 32.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSRE

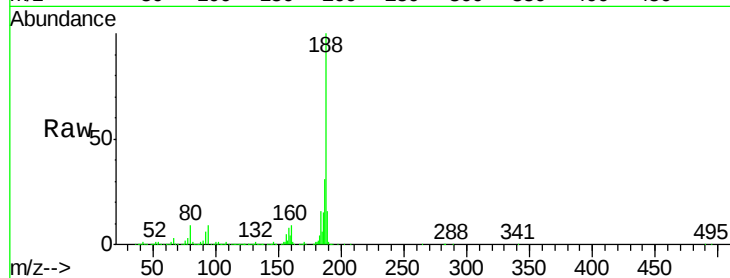
Tot Ion:188 Resp: 571812

Ion Ratio Lower Upper

188 100

94 9.2 5.8 8.8#

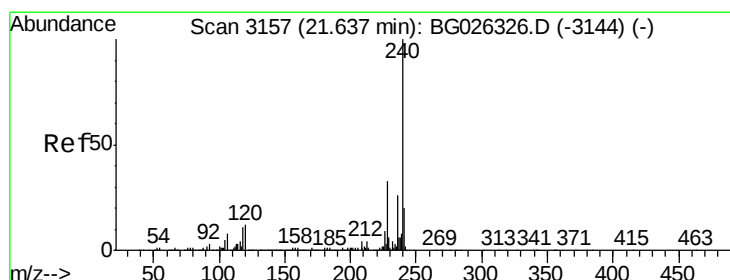
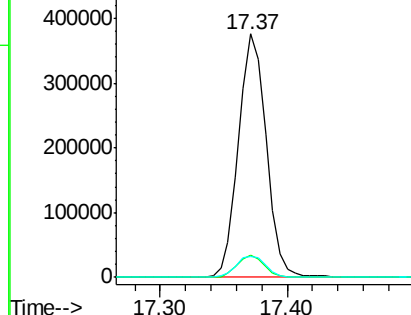
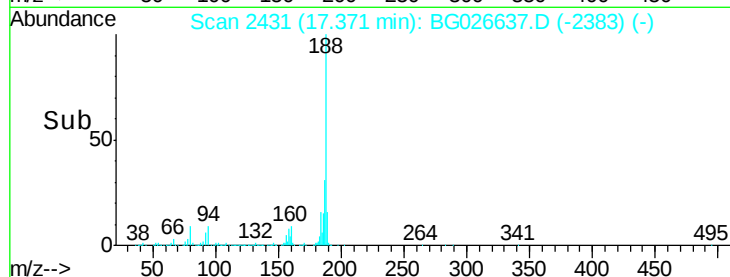
80 8.7 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

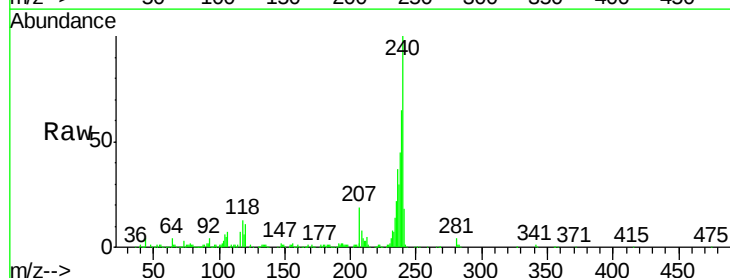
Tgt Ion:240 Resp: 157054

Ion Ratio Lower Upper

240 100

120 10.8 5.7 8.5#

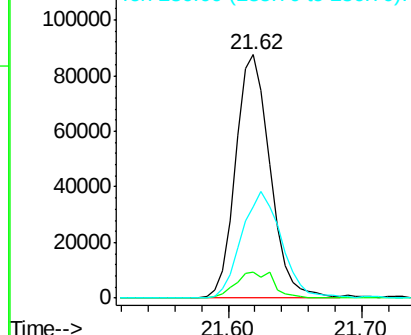
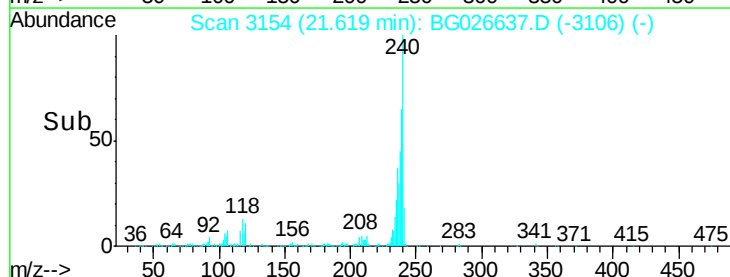
236 37.4 22.2 33.4#

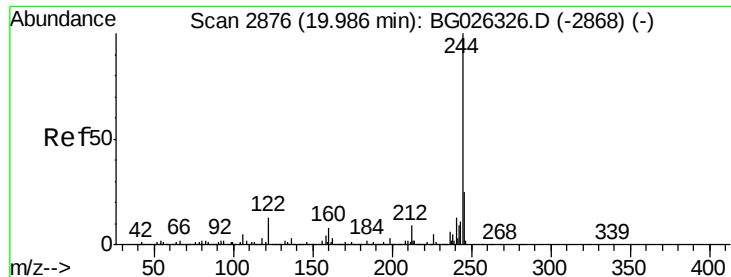


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 363.14 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

Instrument :

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ClientSampleId :

SOIL-CUTTINGSRE

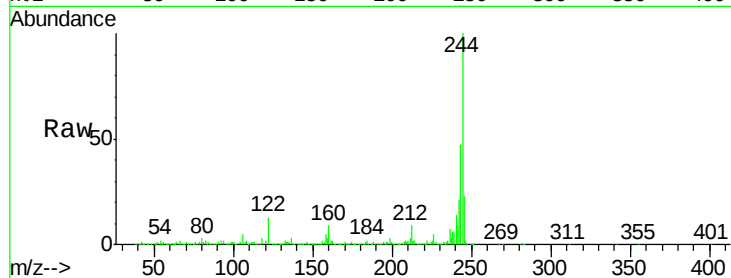
Tot Ion:244 Resp: 2348406

Ion Ratio Lower Upper

244 100

212 8.7 10.0 15.0#

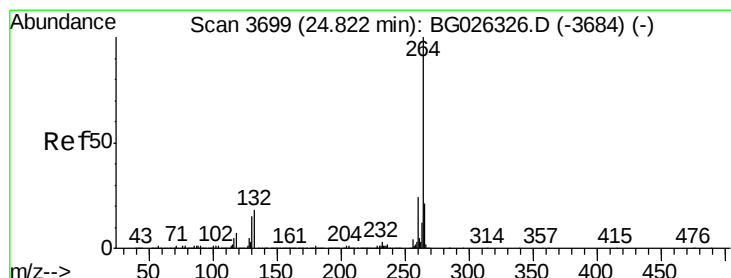
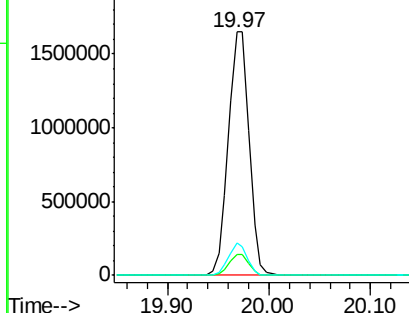
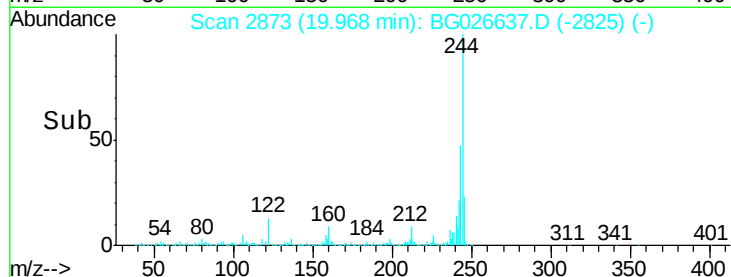
122 13.3 8.6 12.8#



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

Perylene-d12

Concen: 20.00 ng m

RT: 24.81 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BG026637.D

Acq: 12 Apr 2017 15:07

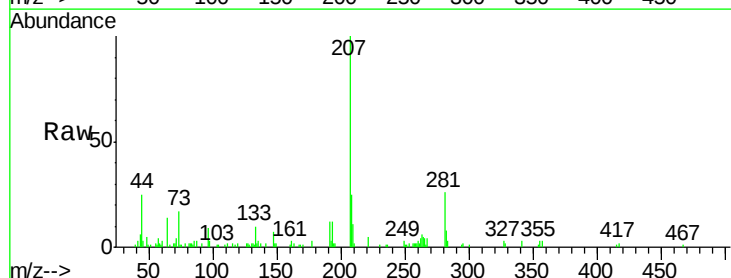
Tgt Ion:264 Resp: 2458

Ion Ratio Lower Upper

264 100

260 49.5 21.8 32.8#

265 70.9 18.2 27.4#



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

