

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029012.D
 Acq On : 3 Oct 2017 19:21
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 8 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Quant Time: Oct 05 01:39:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

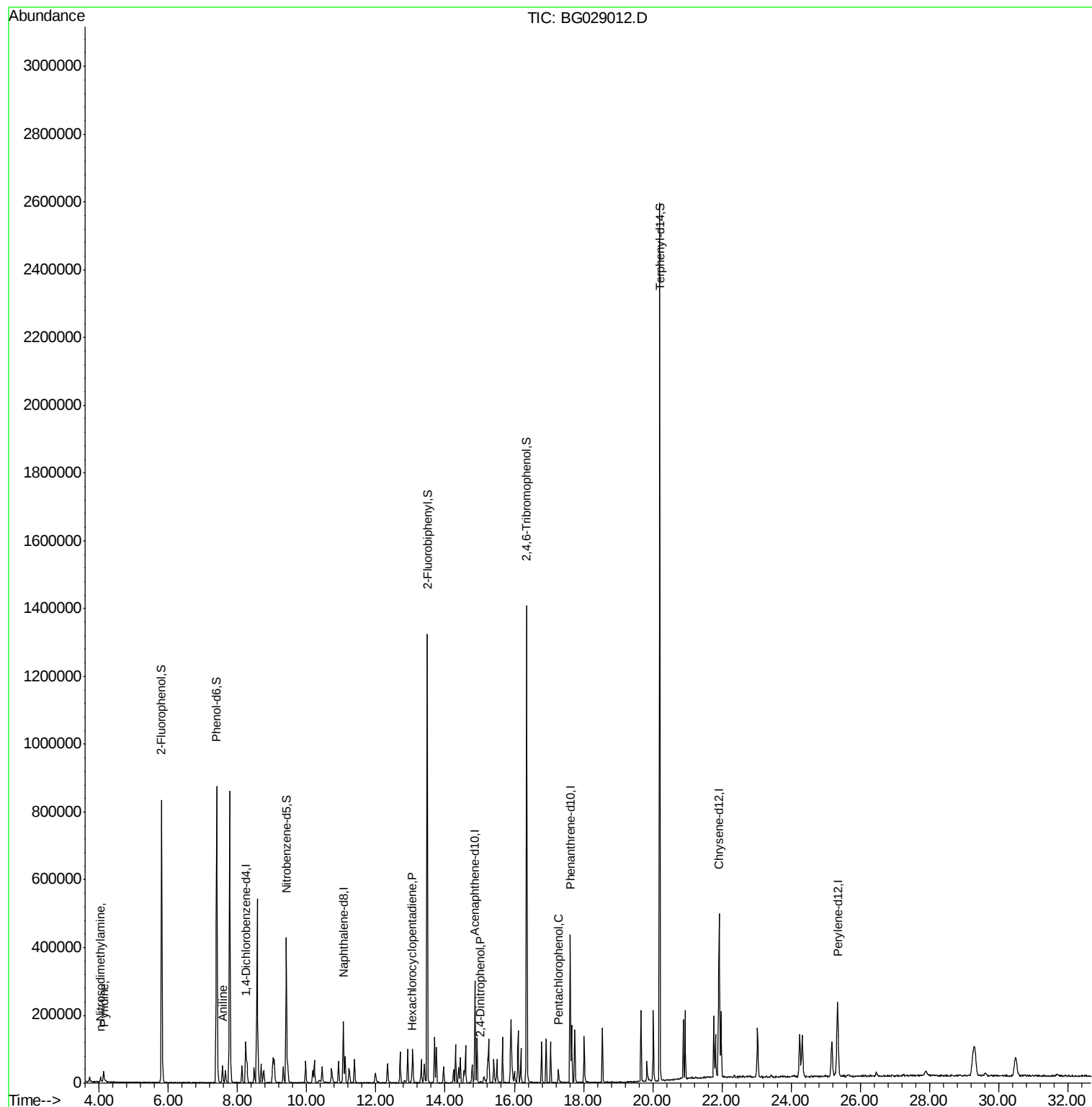
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	33754	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	142819	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	100346	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	261621	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	293408	20.00	ng	-0.10
86) Perylene-d12	25.35	264	273313	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	361341	176.64	ng	-0.10
7) Phenol-d6	7.40	99	493069	160.09	ng	-0.09
23) Nitrobenzene-d5	9.41	82	272499	91.27	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	291860	175.86	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	704659	93.64	ng	-0.08
78) Terphenyl-d14	20.21	244	1184272	86.08	ng	-0.08
Target Compounds						
3) Pyridine	4.13	79	18765	7.941	ng	93
4) n-Nitrosodimethylamine	4.04	42	8756	8.146	ng	# 76
6) Aniline	7.57	93	31185	8.700	ng	93
40) Hexachlorocyclopentadiene	13.04	237	4092	9.913	ng	97
53) 2,4-Dinitrophenol	15.03	184	1196	9.092	ng	89
69) Pentachlorophenol	17.27	266	9513	5.495	ng	89

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

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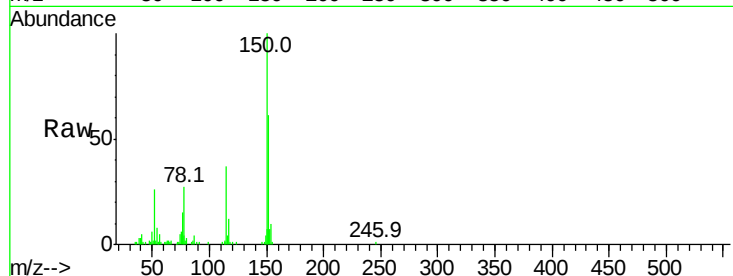


#1

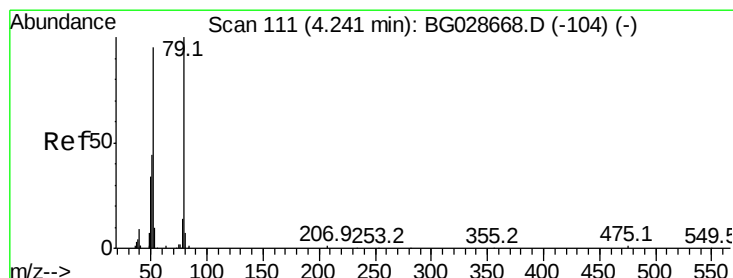
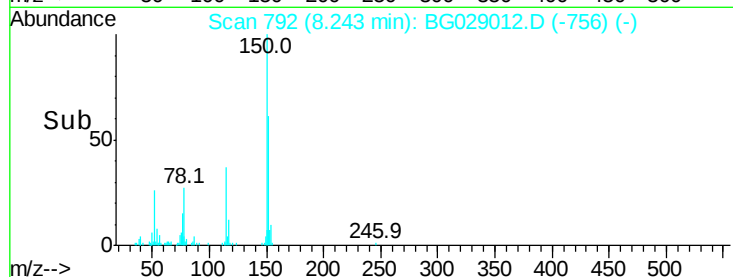
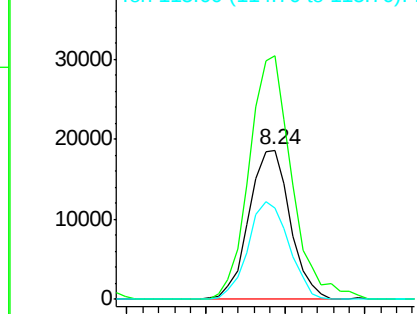
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.24 min Scan# 792
Delta R.T. -0.09 min
Lab File: BG029012.D
Acq: 3 Oct 2017 19:21

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion:152 Resp: 33754
Ion Ratio Lower Upper
152 100
150 163.3 114.0 171.0
115 60.8 48.1 72.1



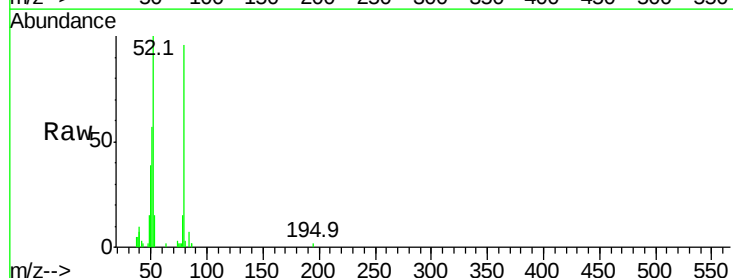
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



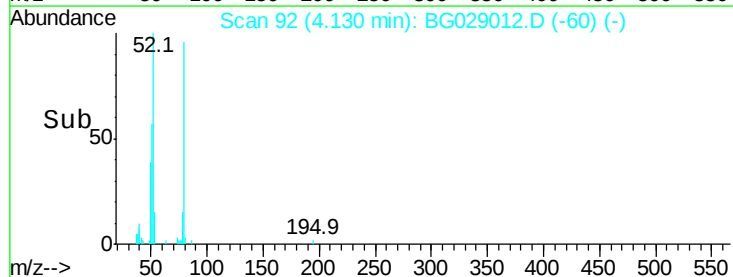
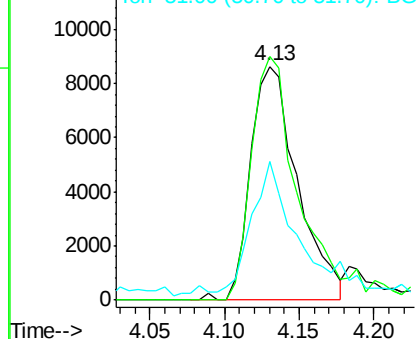
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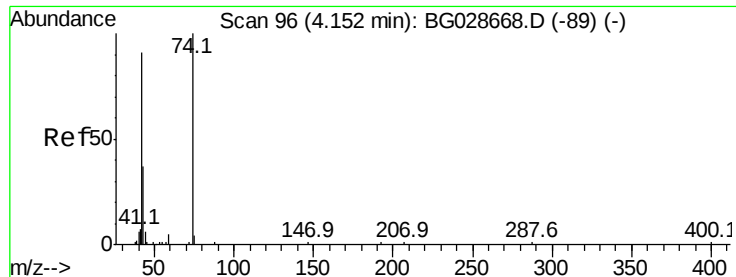
Pyridine
Concen: 7.941 ng
RT: 4.13 min Scan# 92
Delta R.T. -0.11 min
Lab File: BG029012.D
Acq: 3 Oct 2017 19:21

Tgt Ion: 79 Resp: 18765
Ion Ratio Lower Upper
79 100
52 104.1 77.8 116.6
51 59.3 43.2 64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



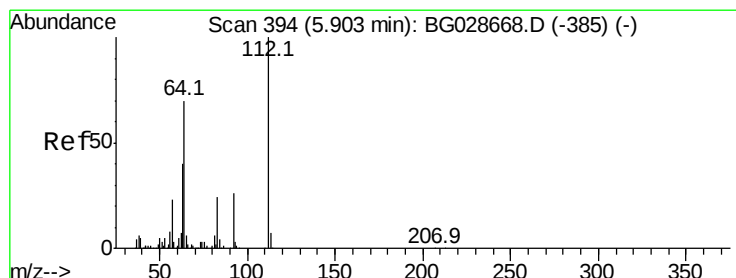
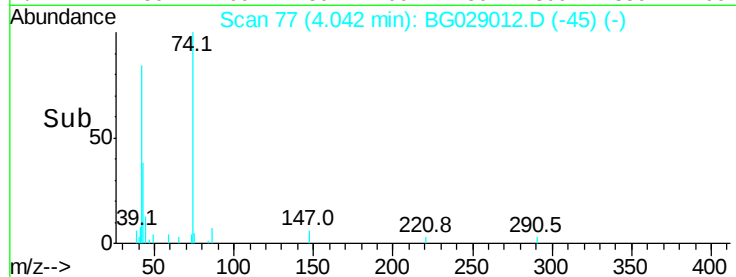
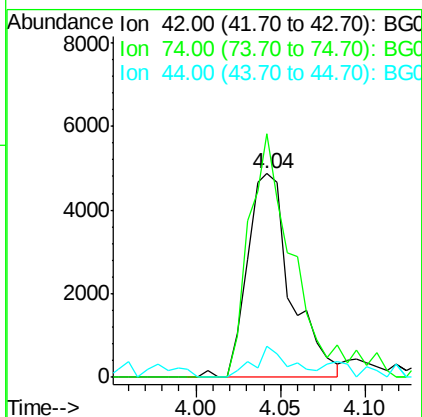
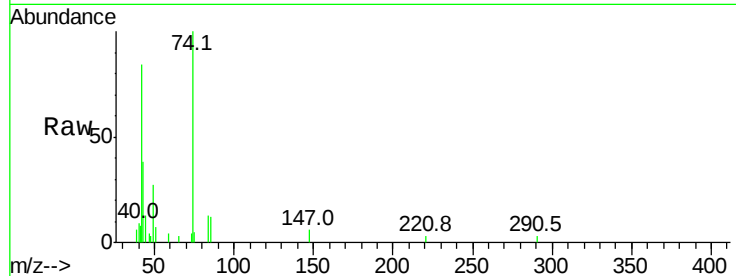


#4

n-Nitrosodimethylamine
 Concen: 8.146 ng
 RT: 4.04 min Scan# 77
 Delta R.T. -0.11 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

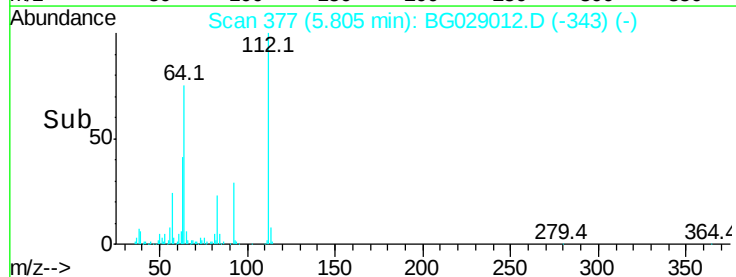
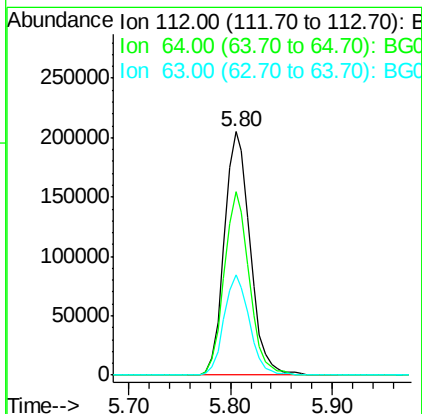
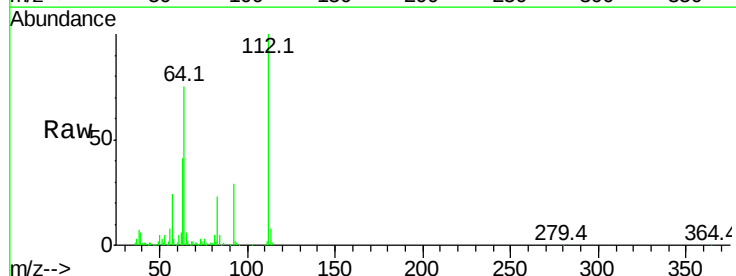
Tot Ion	Ratio	Lower	Upper
42	100		
74	119.5	76.7	115.1#
44	15.0	6.1	9.1#

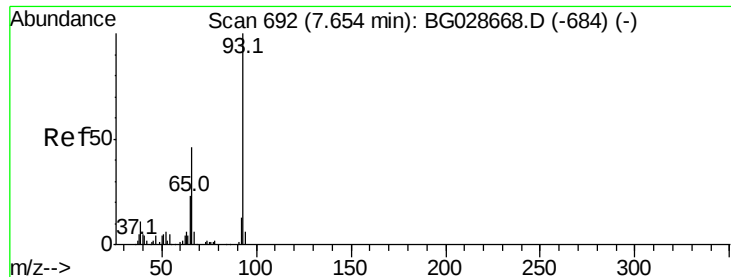


#5

2-Fluorophenol
 Concen: 176.640 ng
 RT: 5.80 min Scan# 377
 Delta R.T. -0.10 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.2	61.8	92.6
63	41.1	37.2	55.8





#6

Aniline

Concen: 8.700 ng

RT: 7.57 min Scan# 677

Delta R.T. -0.09 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

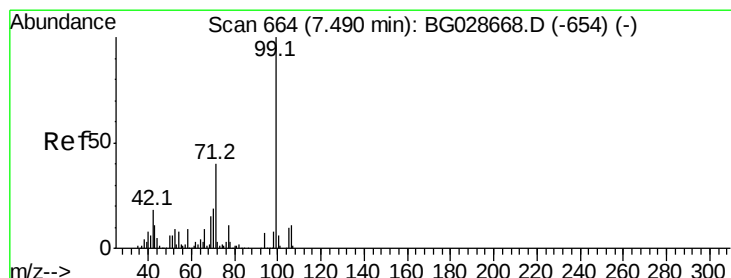
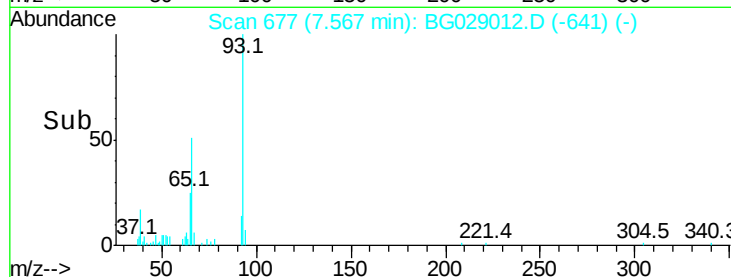
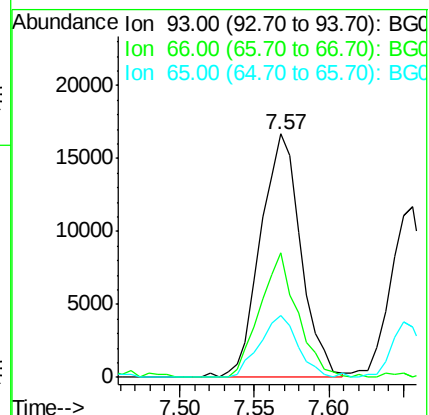
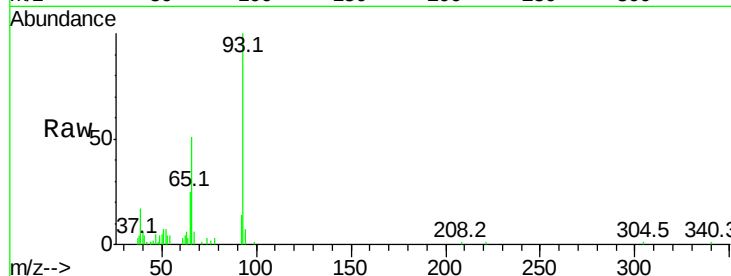
Tot Ion: 93 Resp: 31185

Ion Ratio Lower Upper

93 100

66 51.0 35.4 53.2

65 25.4 21.2 31.8



#7

Phenol-d6

Concen: 160.090 ng

RT: 7.40 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

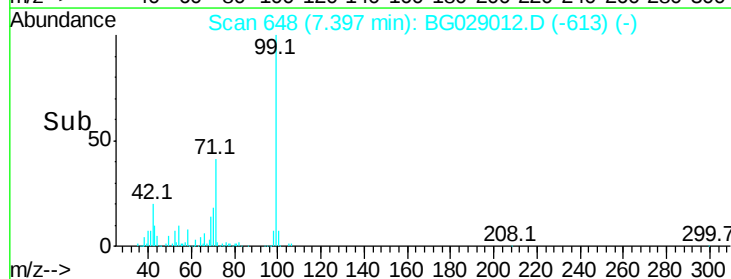
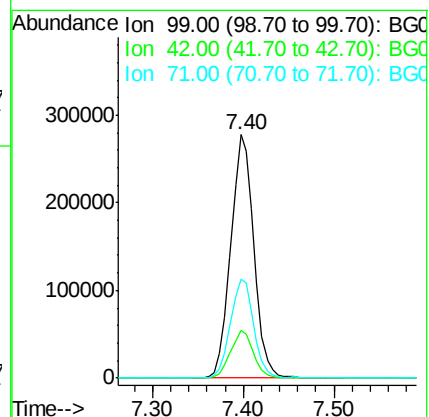
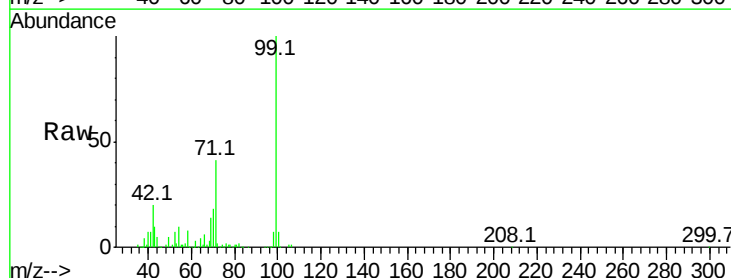
Tgt Ion: 99 Resp: 493069

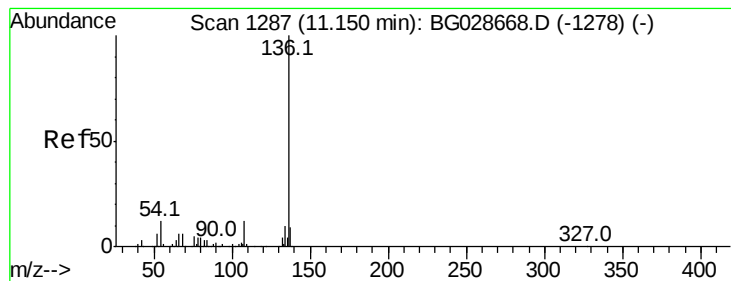
Ion Ratio Lower Upper

99 100

42 19.7 20.5 30.7#

71 40.9 37.6 56.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.06 min Scan# 1271

Delta R.T. -0.09 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:136 Resp: 142819

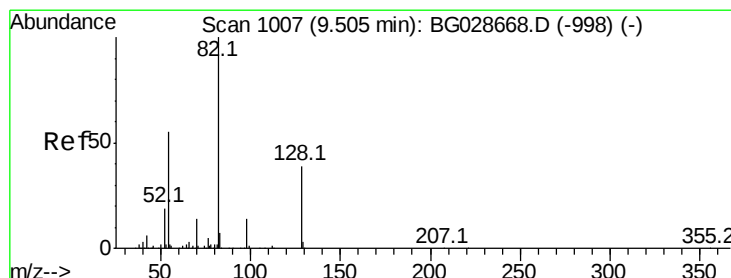
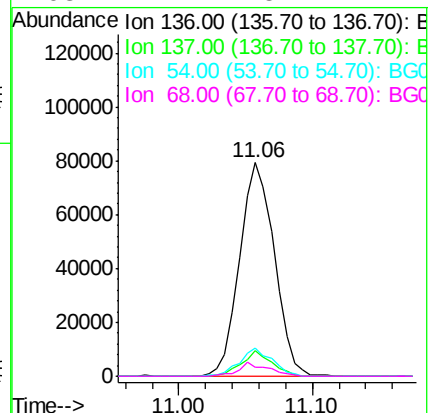
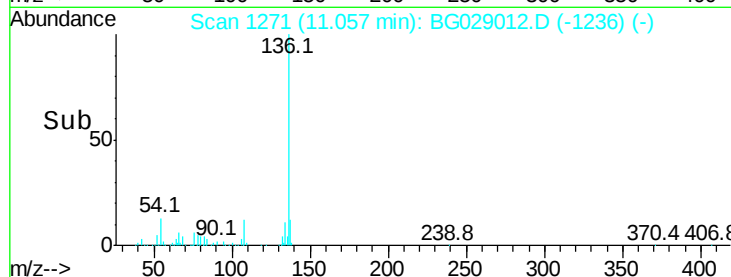
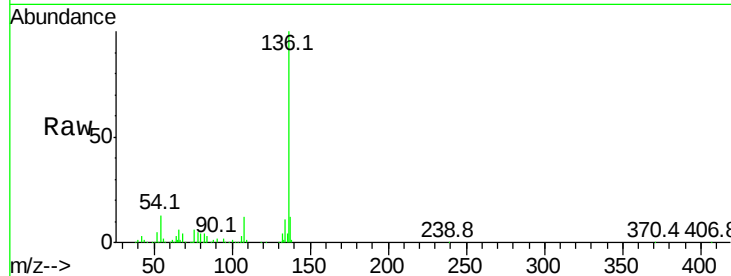
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 13.0 9.3 13.9

68 4.4 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 91.274 ng

RT: 9.41 min Scan# 991

Delta R.T. -0.09 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

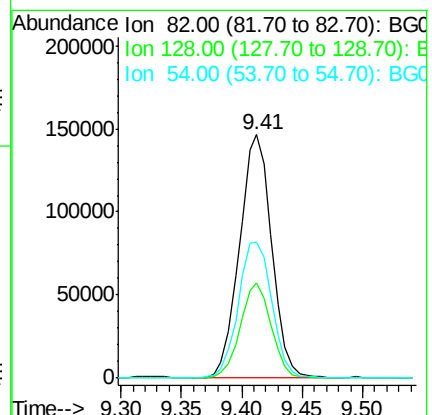
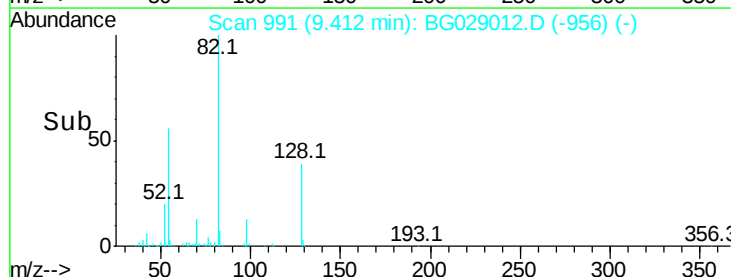
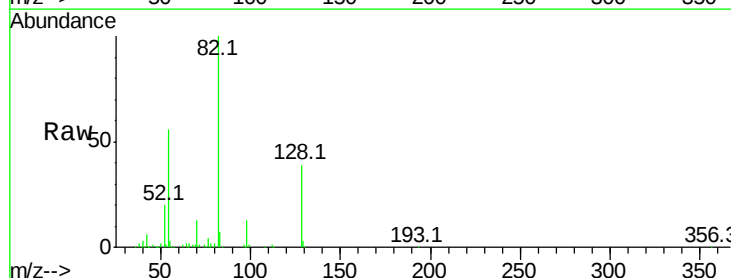
Tgt Ion: 82 Resp: 272499

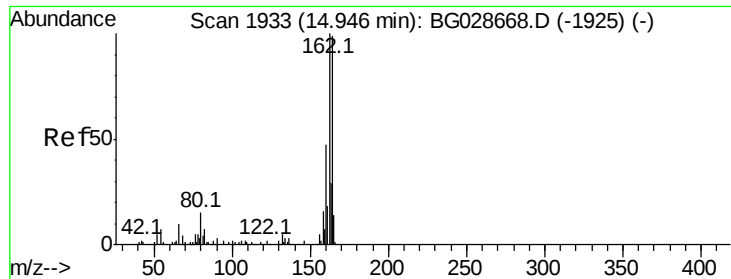
Ion Ratio Lower Upper

82 100

128 39.0 26.4 39.6

54 56.1 49.4 74.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

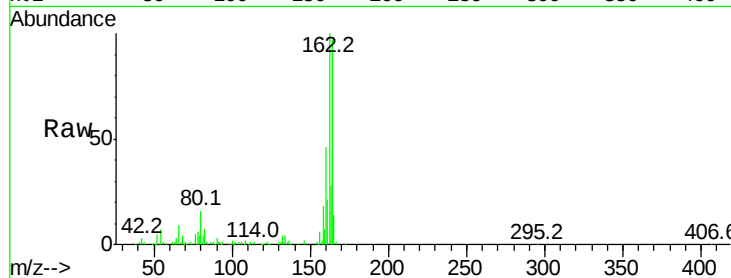
Tot Ion:164 Resp: 100346

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

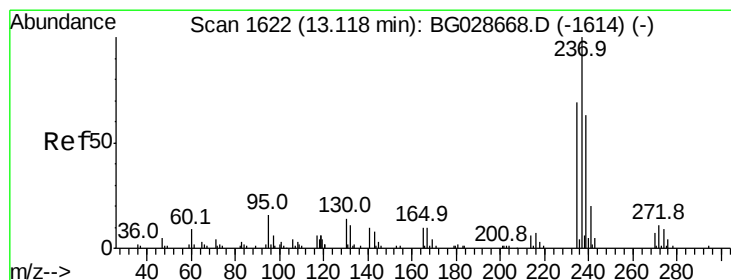
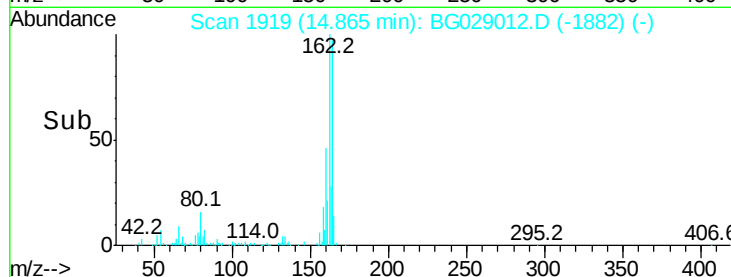
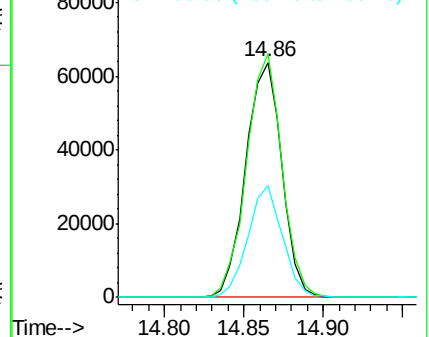
160 47.6 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 9.913 ng

RT: 13.04 min Scan# 1608

Delta R.T. -0.08 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

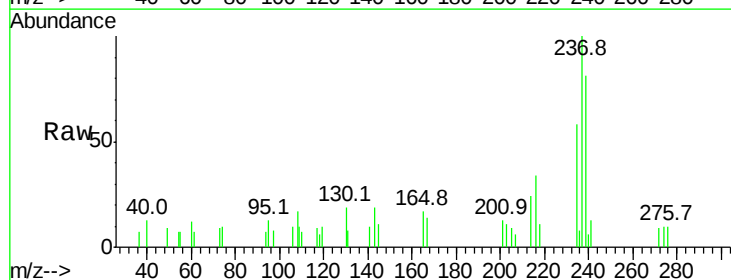
Tgt Ion:237 Resp: 4092

Ion Ratio Lower Upper

237 100

235 58.0 39.4 79.4

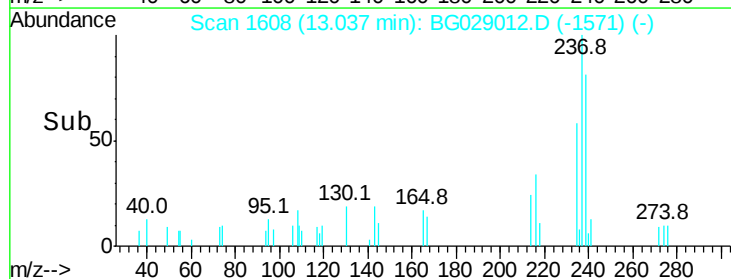
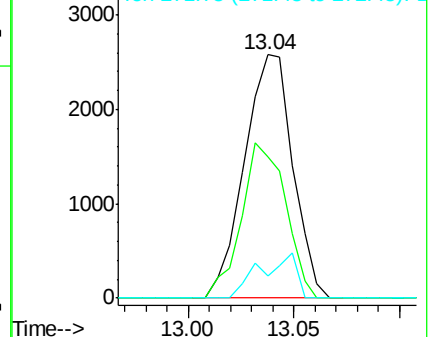
272 9.2 0.0 32.0

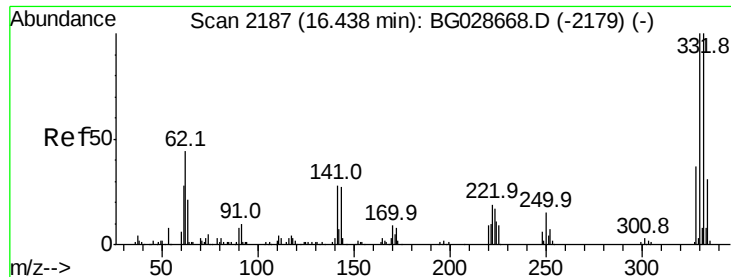


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 175.855 ng

RT: 16.36 min Scan# 2173

Delta R.T. -0.08 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

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LOD-SOIL-01-QT4-2017

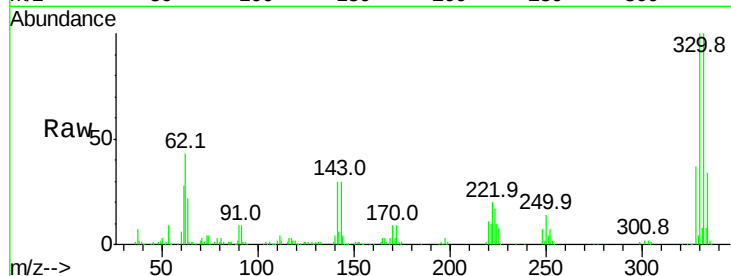
Tot Ion:330 Resp: 291860

Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

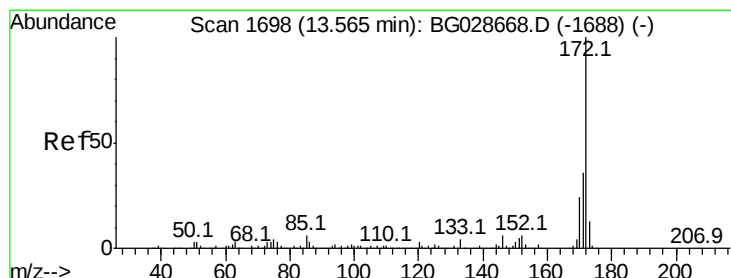
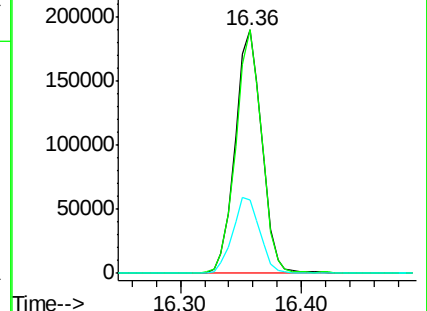
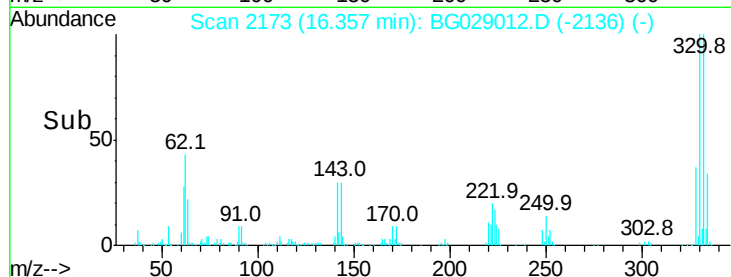
141 31.8 32.1 48.1#



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: 93.637 ng

RT: 13.48 min Scan# 1684

Delta R.T. -0.08 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

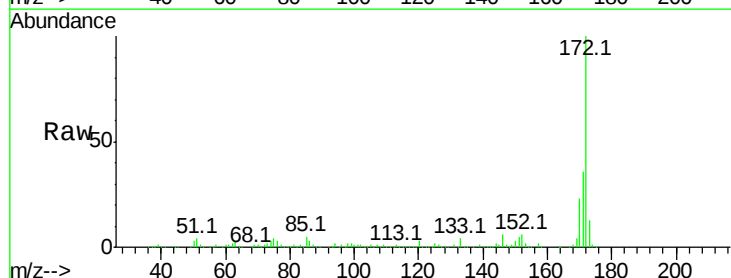
Tgt Ion:172 Resp: 704659

Ion Ratio Lower Upper

172 100

171 36.2 32.2 48.2

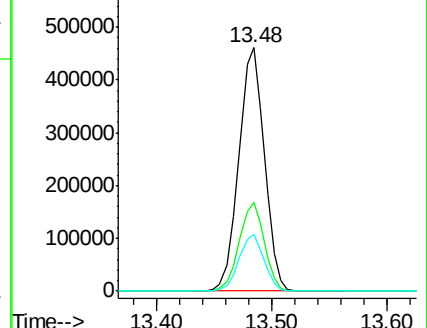
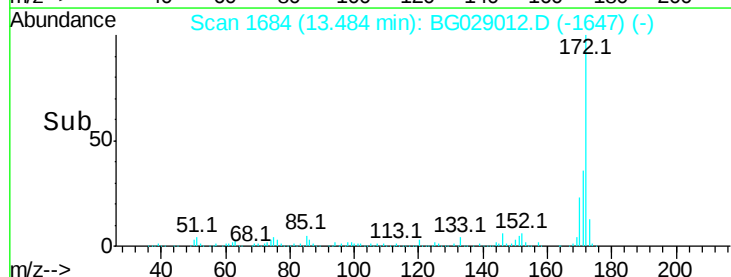
170 23.1 21.8 32.6

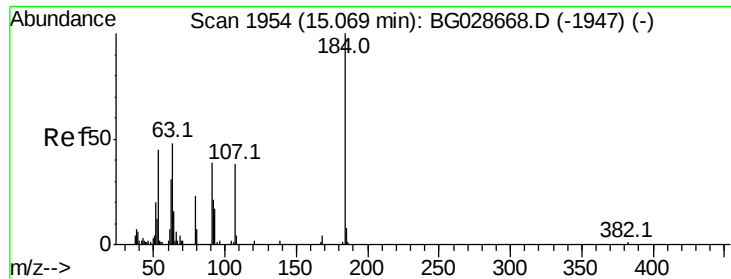


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

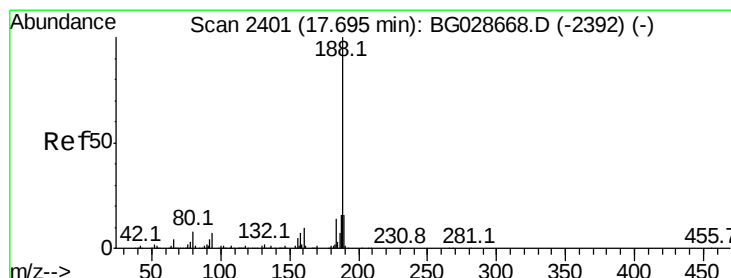
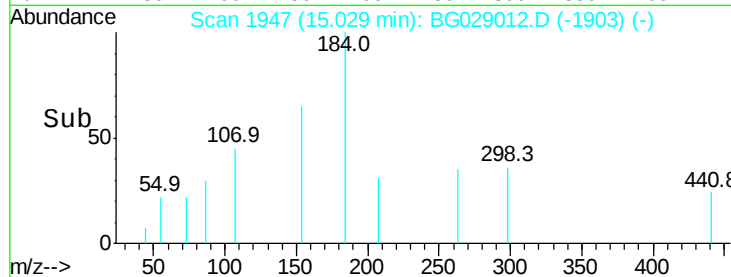
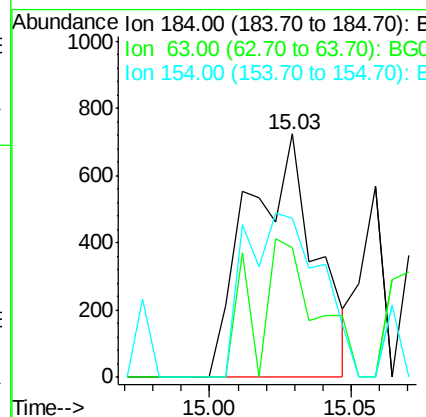
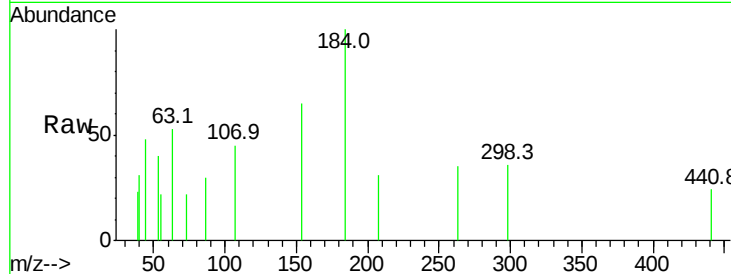




#53
 2,4-Dinitrophenol
 Concen: 9.092 ng
 RT: 15.03 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

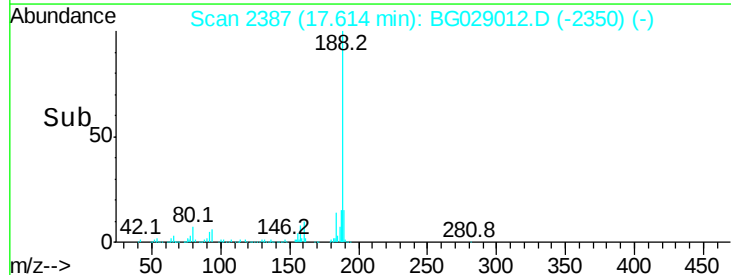
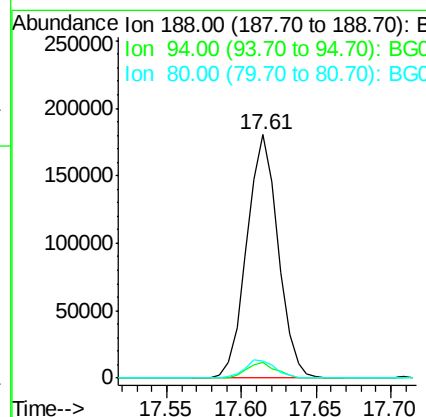
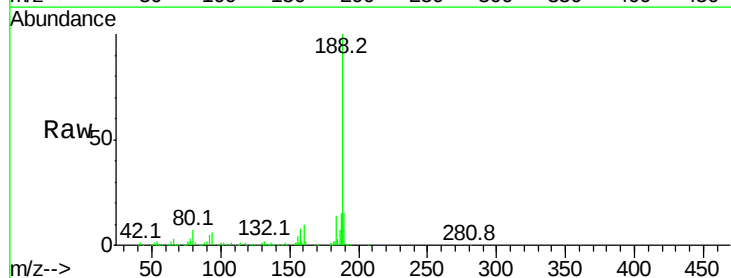
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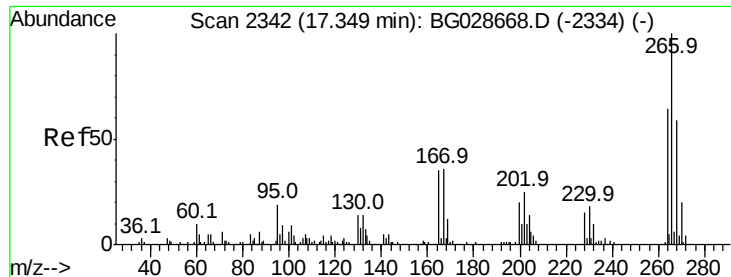
Tot Ion:184 Resp: 1196
 Ion Ratio Lower Upper
 184 100
 63 53.5 52.7 79.1
 154 65.3 57.3 85.9



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.61 min Scan# 2387
 Delta R.T. -0.08 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

Tgt Ion:188 Resp: 261621
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.8 8.8
 80 7.2 7.5 11.3#

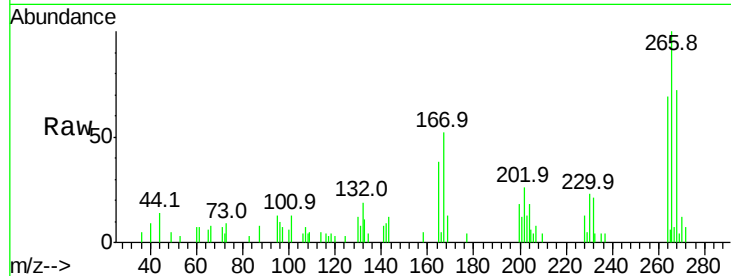




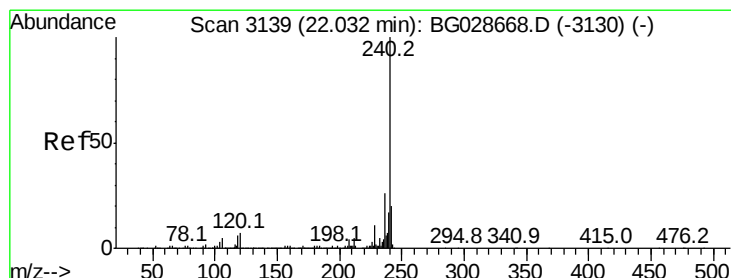
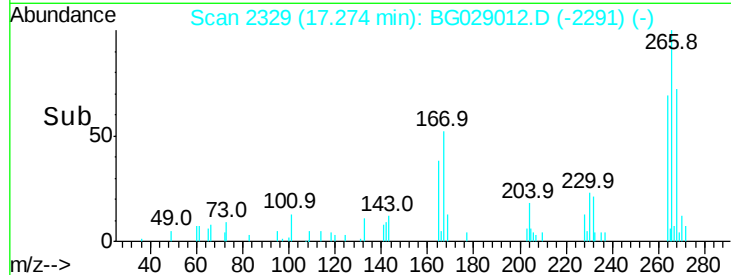
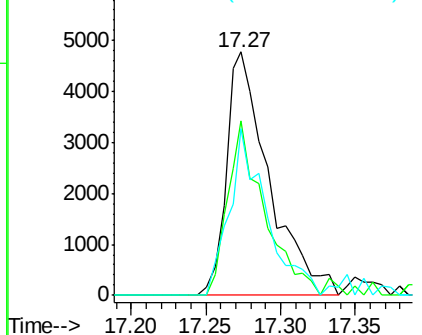
#69
 Pentachlorophenol
 Concen: 5.495 ng
 RT: 17.27 min Scan# 2329
 Delta R.T. -0.08 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion:266 Resp: 9513
 Ion Ratio Lower Upper
 266 100
 268 71.6 48.6 72.8
 264 68.6 50.1 75.1

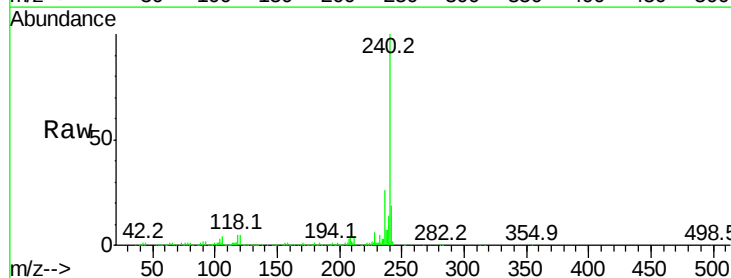


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

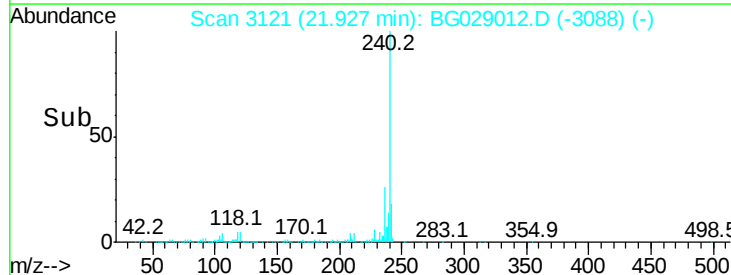
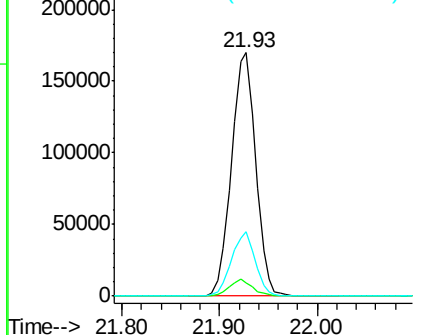


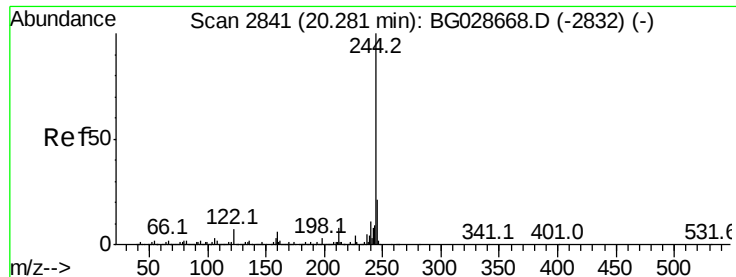
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.93 min Scan# 3121
 Delta R.T. -0.10 min
 Lab File: BG029012.D
 Acq: 3 Oct 2017 19:21

Tgt Ion:240 Resp: 293408
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.7 8.5#
 236 26.2 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: 86.076 ng

RT: 20.21 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

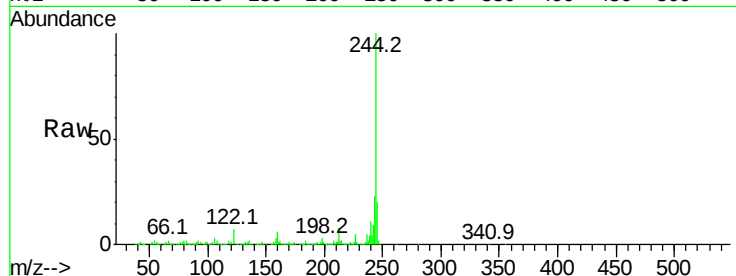
Tot Ion:244 Resp: 1184272

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

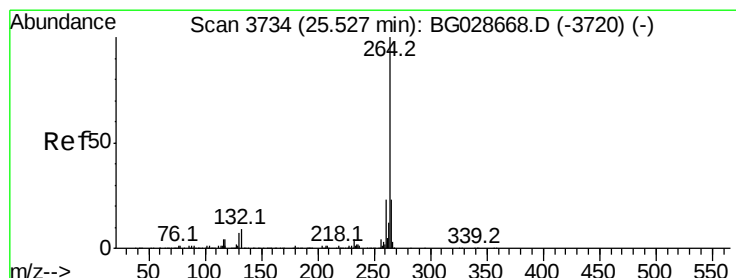
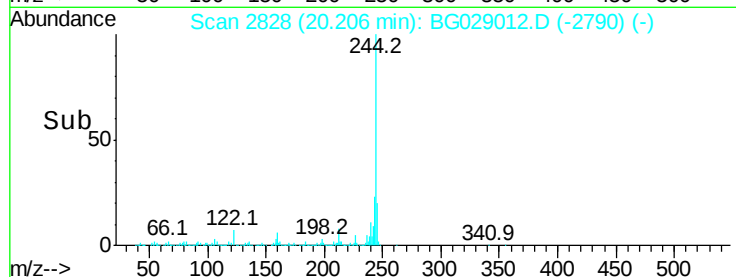
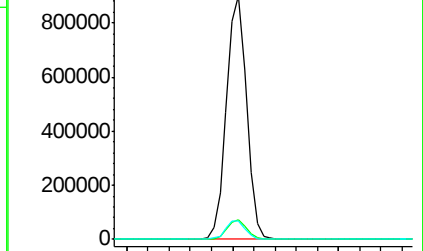
122 7.4 8.6 12.8#



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: 20.000 ng

RT: 25.35 min Scan# 3703

Delta R.T. -0.18 min

Lab File: BG029012.D

Acq: 3 Oct 2017 19:21

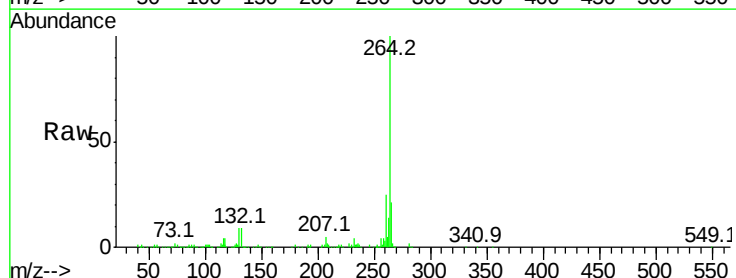
Tgt Ion:264 Resp: 273313

Ion Ratio Lower Upper

264 100

260 24.6 21.8 32.8

265 21.4 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

