

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029009.D
 Acq On : 3 Oct 2017 17:24
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 05 01:27:33 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	32676	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	133708	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	99948	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	256242	20.00	ng	-0.08
75) Chrysene-d12	21.92	240	291781	20.00	ng	-0.11
86) Perylene-d12	25.35	264	281122	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	302579	152.79	ng	-0.10
7) Phenol-d6	7.39	99	417388	139.99	ng	-0.09
23) Nitrobenzene-d5	9.41	82	228406	81.72	ng	-0.09
41) 2,4,6-Tribromophenol	16.35	330	262565	158.83	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	624065	83.26	ng	-0.08
78) Terphenyl-d14	20.20	244	1083144	79.16	ng	-0.08

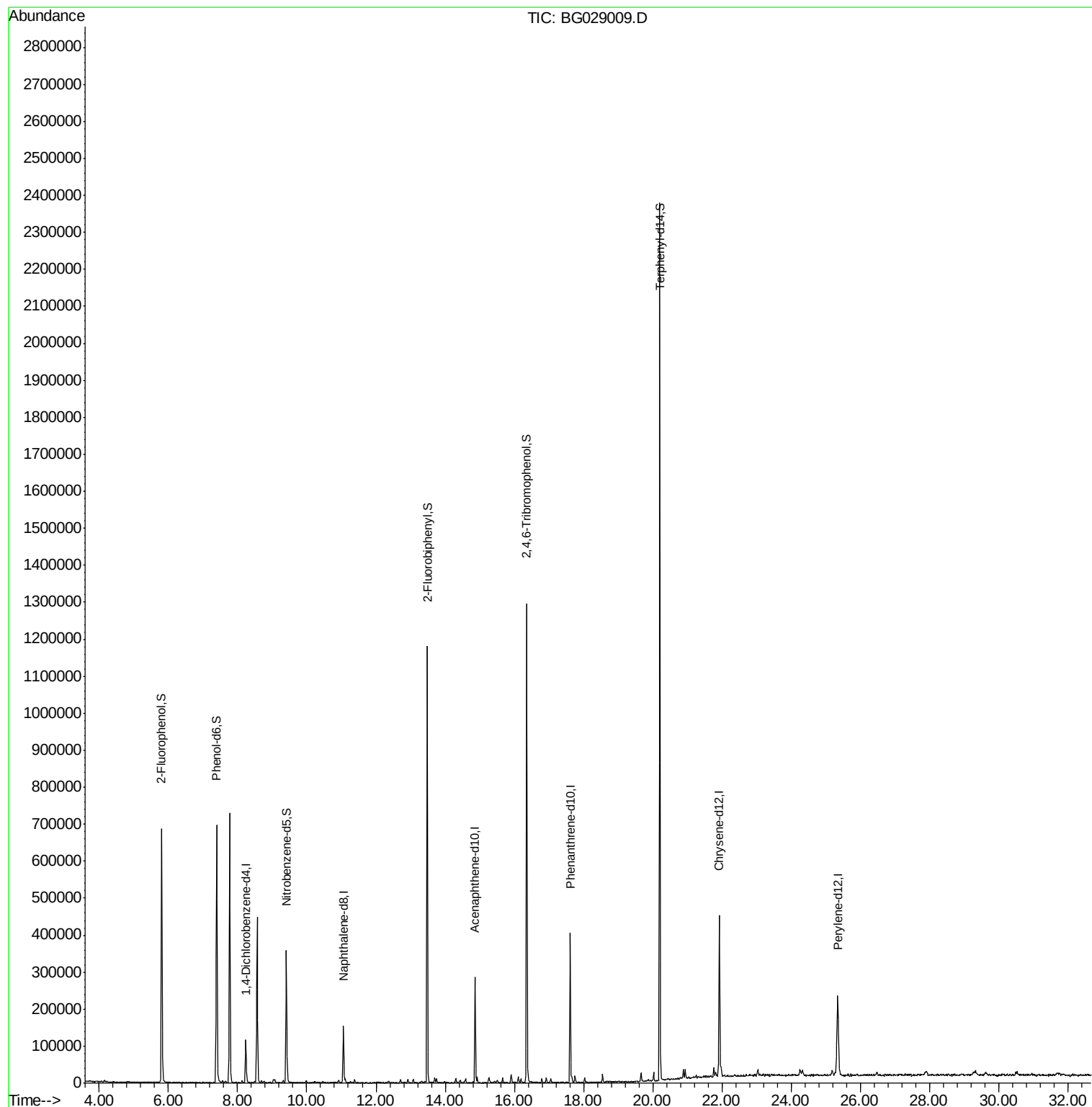
Target Compounds Qvalue

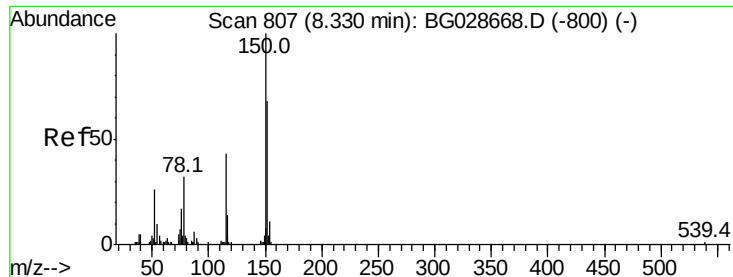
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG029009.D

Acq: 3 Oct 2017 17:24

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

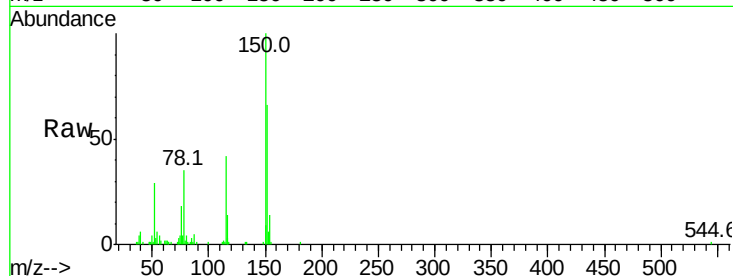
Tot Ion:152 Resp: 32676

Ion Ratio Lower Upper

152 100

150 150.9 114.0 171.0

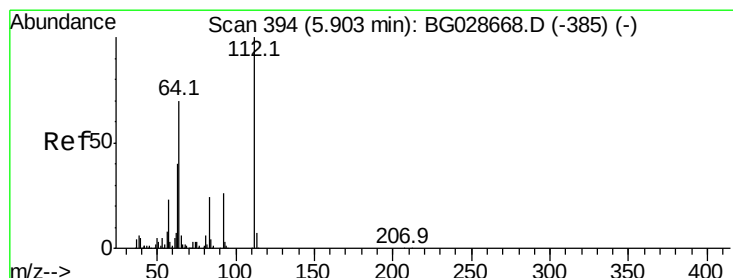
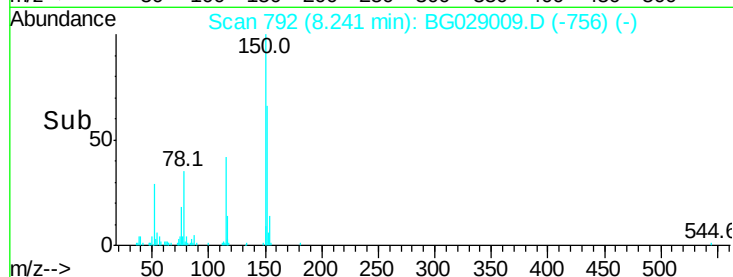
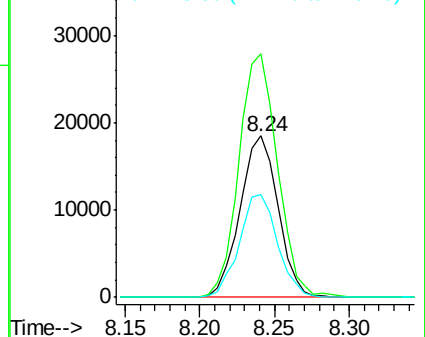
115 63.7 48.1 72.1



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: 152.794 ng

RT: 5.80 min Scan# 377

Delta R.T. -0.10 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

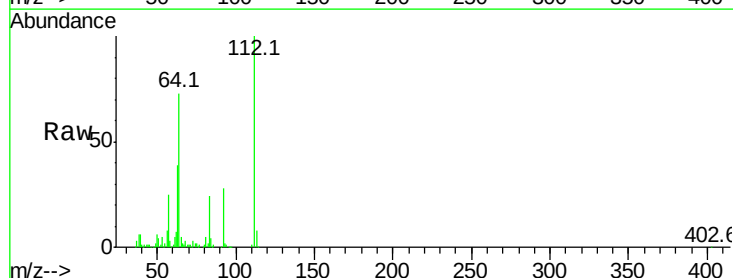
Tgt Ion:112 Resp: 302579

Ion Ratio Lower Upper

112 100

64 72.6 61.8 92.6

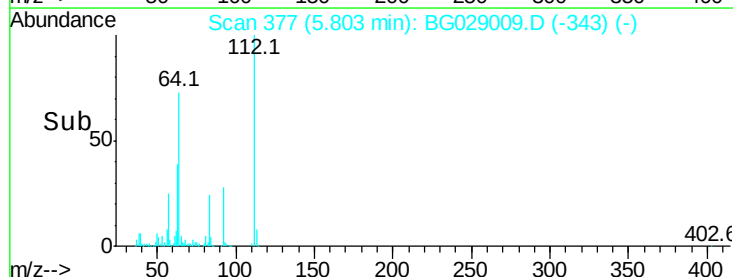
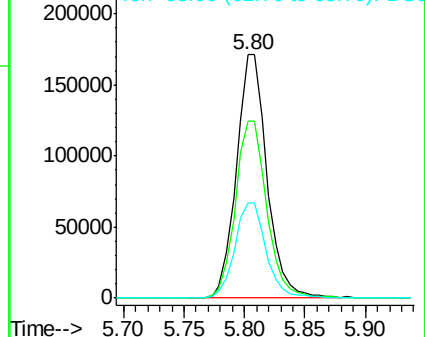
63 39.2 37.2 55.8

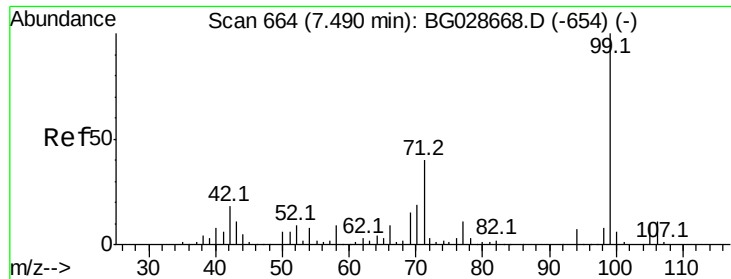


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.988 ng

RT: 7.39 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

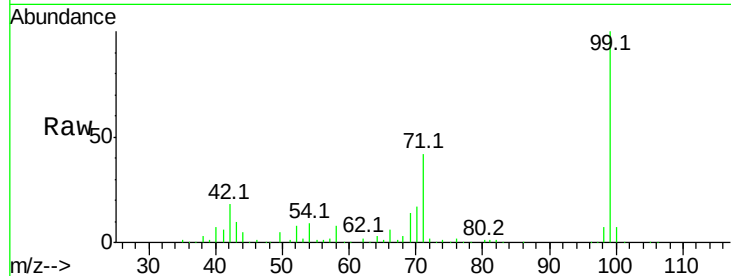
Tot Ion: 99 Resp: 417388

Ion Ratio Lower Upper

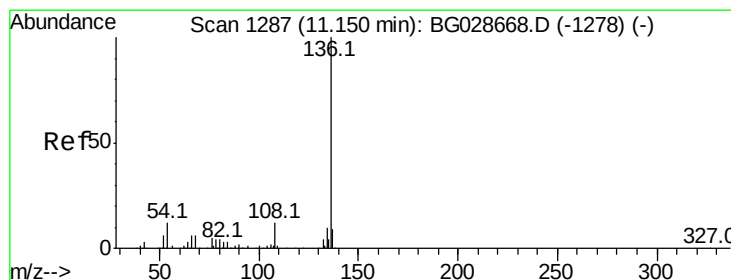
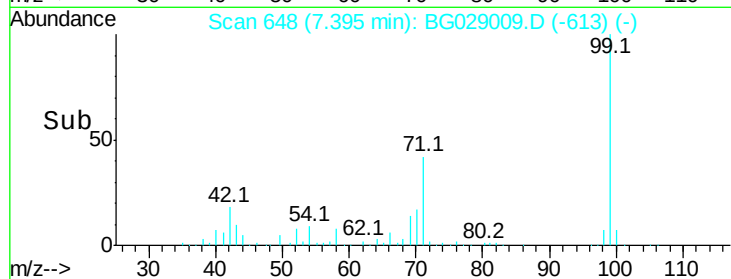
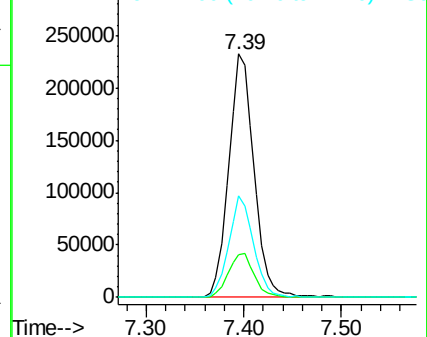
99 100

42 17.7 20.5 30.7#

71 42.0 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: 20.000 ng

RT: 11.06 min Scan# 1272

Delta R.T. -0.09 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

Tgt Ion:136 Resp: 133708

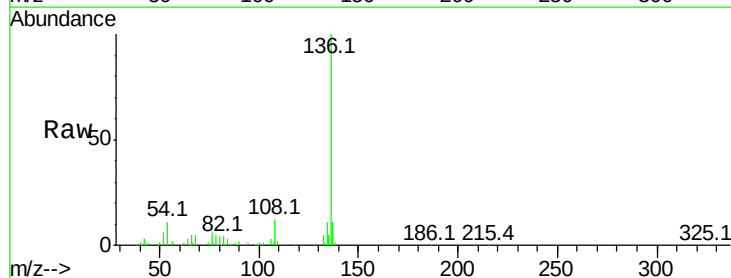
Ion Ratio Lower Upper

136 100

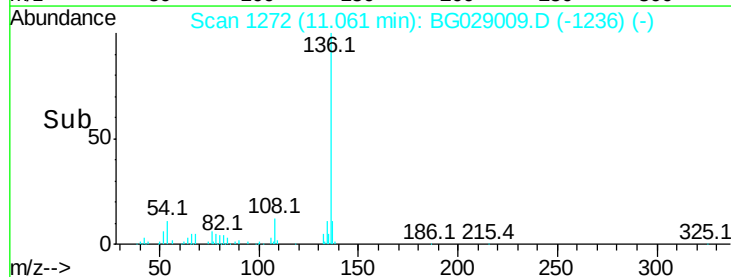
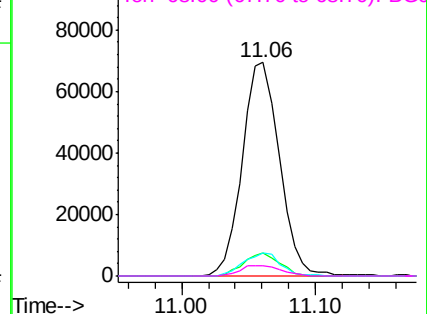
137 11.0 8.9 13.3

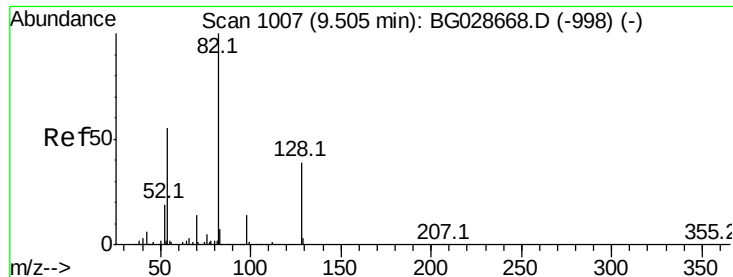
54 10.7 9.3 13.9

68 5.0 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: 81.718 ng

RT: 9.41 min Scan# 991

Delta R.T. -0.09 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

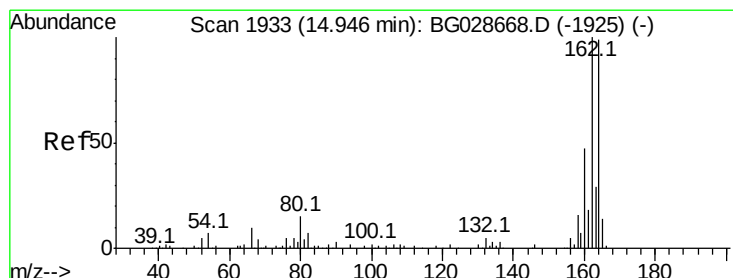
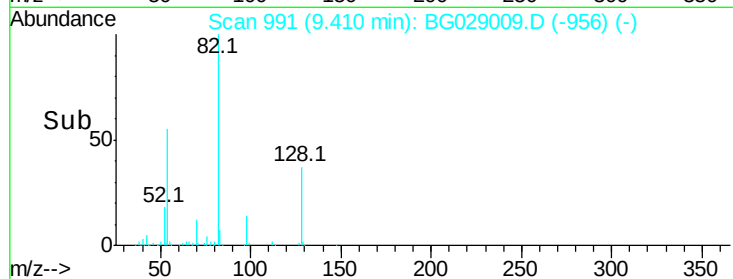
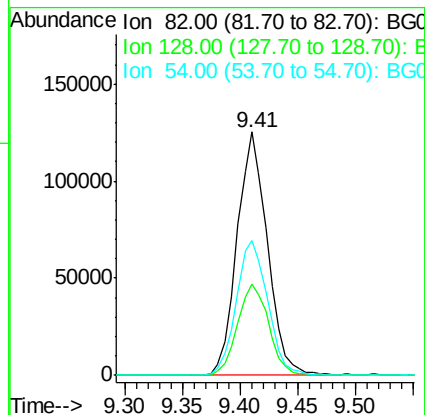
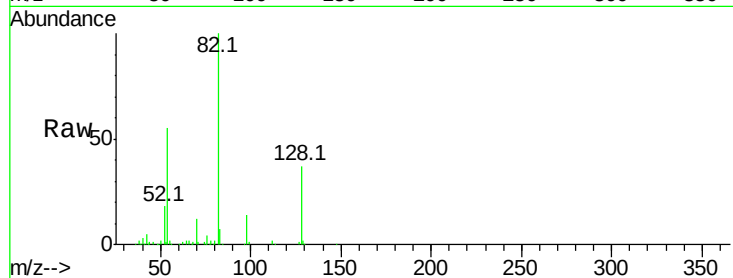
Tot Ion: 82 Resp: 228406

Ion Ratio Lower Upper

82 100

128 37.3 26.4 39.6

54 55.5 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: BG029009.D

Acq: 3 Oct 2017 17:24

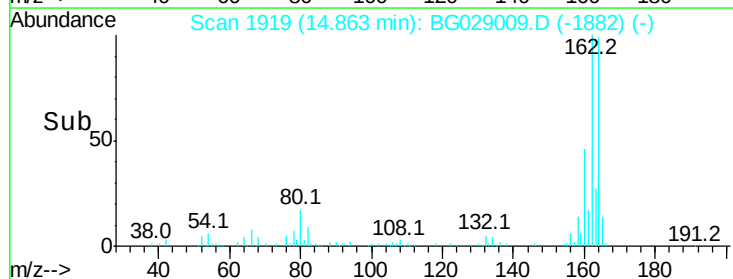
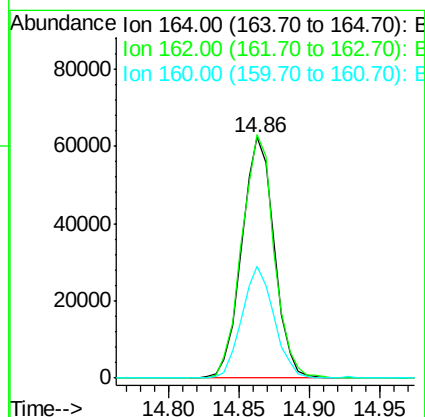
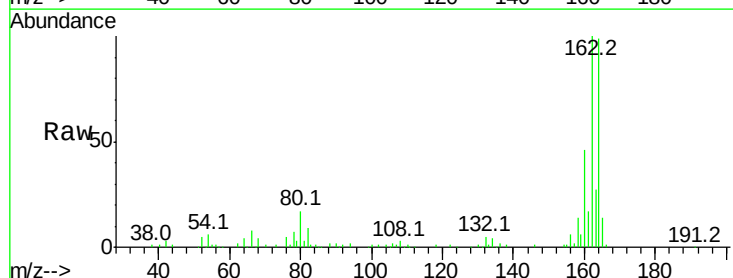
Tgt Ion:164 Resp: 99948

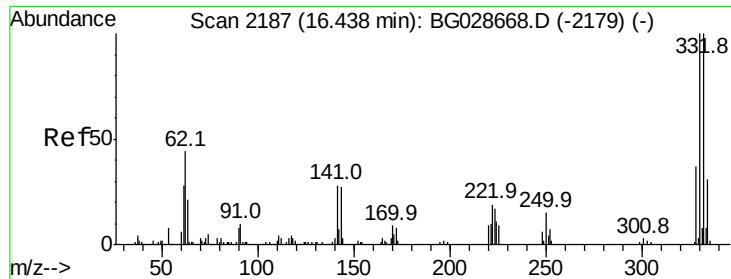
Ion Ratio Lower Upper

164 100

162 101.2 85.1 127.7

160 46.5 34.7 52.1

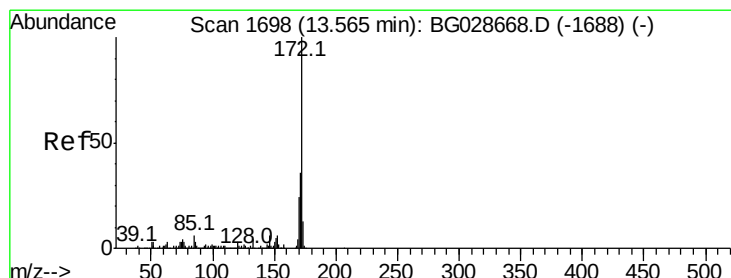
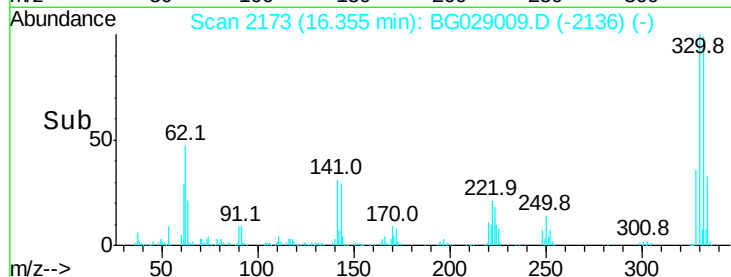
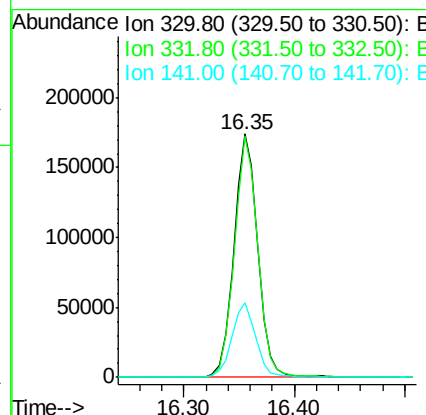
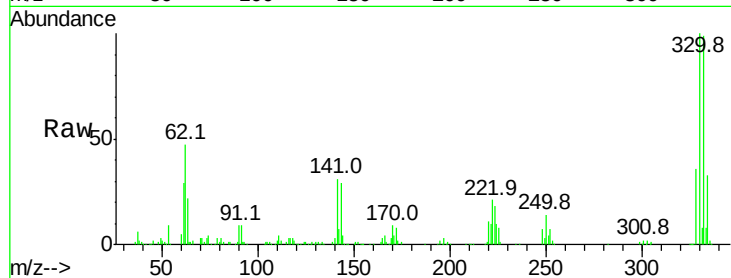




#41
 2,4,6-Tribromophenol
 Concen: 158.834 ng
 RT: 16.35 min Scan# 2173
 Delta R.T. -0.08 min
 Lab File: BG029009.D
 Acq: 3 Oct 2017 17:24

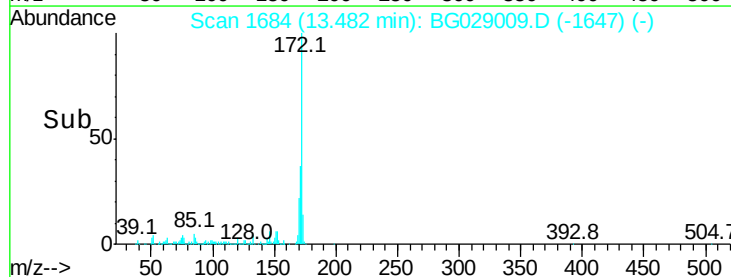
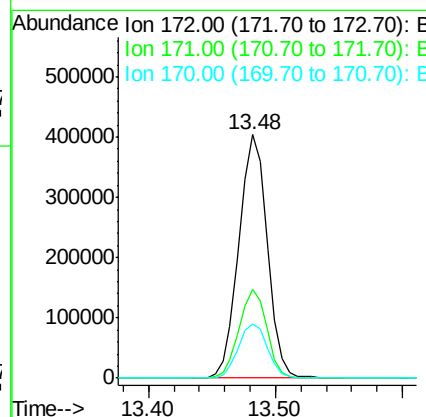
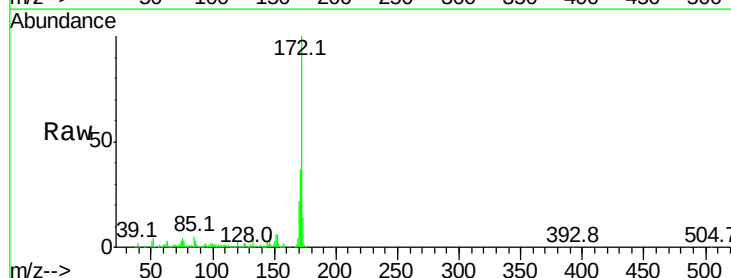
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

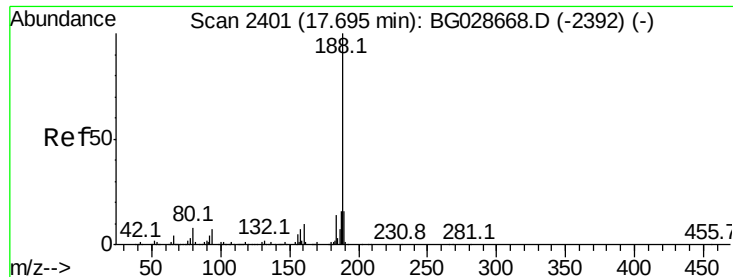
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	30.6	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 83.258 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029009.D
 Acq: 3 Oct 2017 17:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	32.2	48.2
170	22.4	21.8	32.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

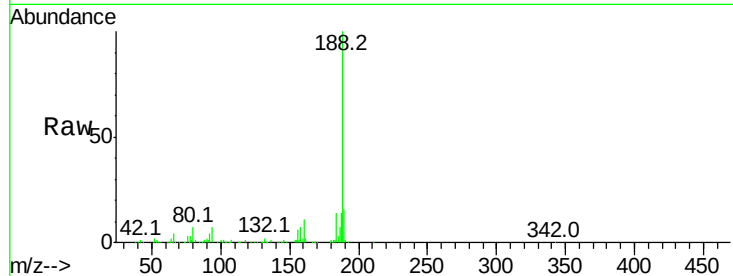
Tot Ion:188 Resp: 256242

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.8

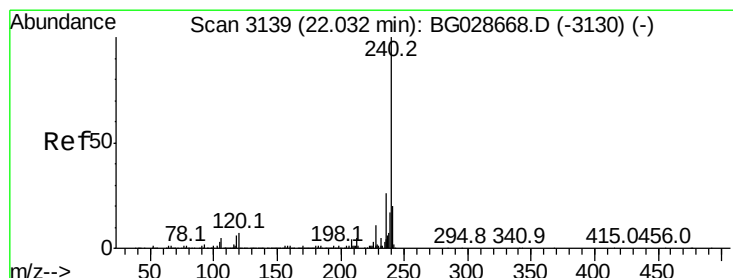
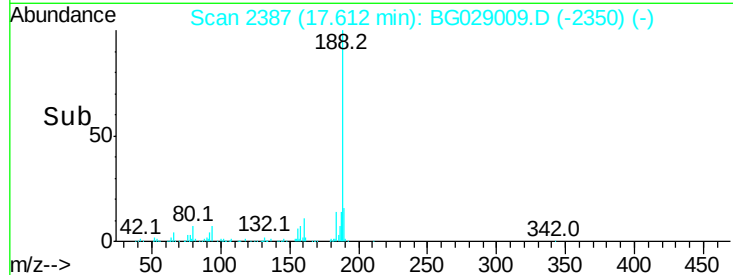
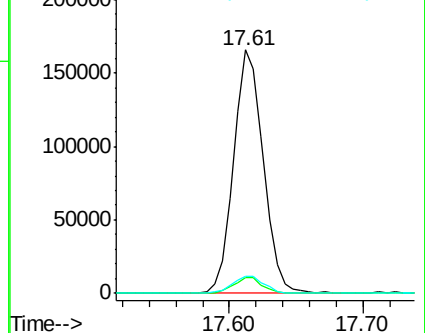
80 7.2 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.92 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

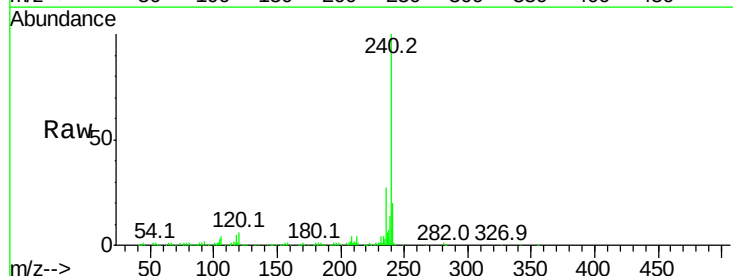
Tgt Ion:240 Resp: 291781

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

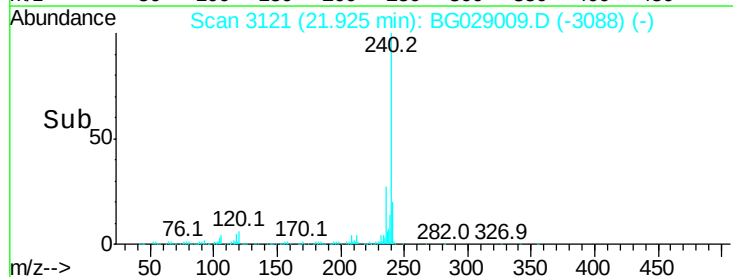
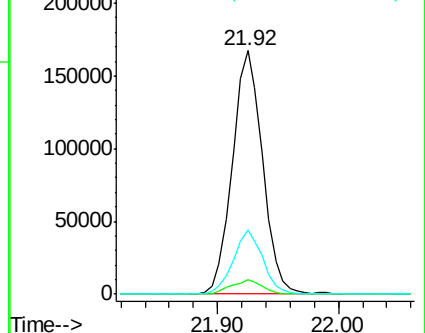
236 26.6 22.2 33.4

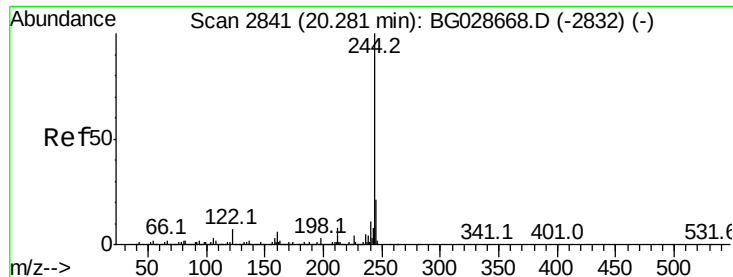


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.165 ng

RT: 20.20 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

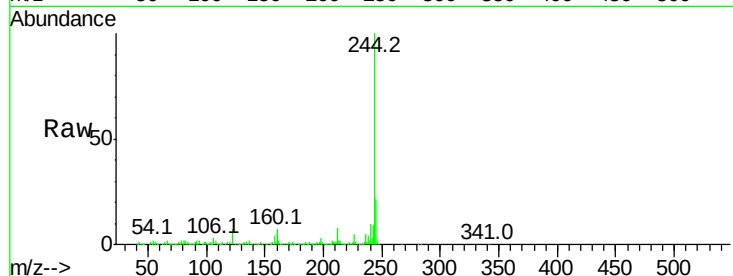
Tot Ion:244 Resp: 1083144

Ion Ratio Lower Upper

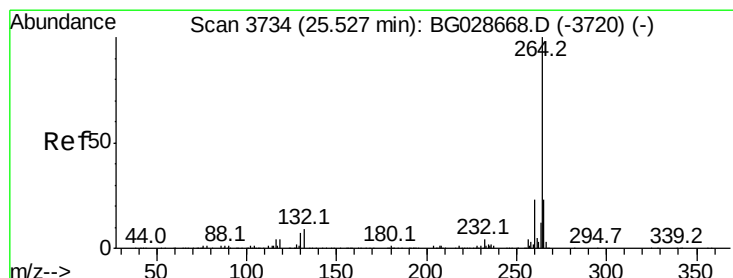
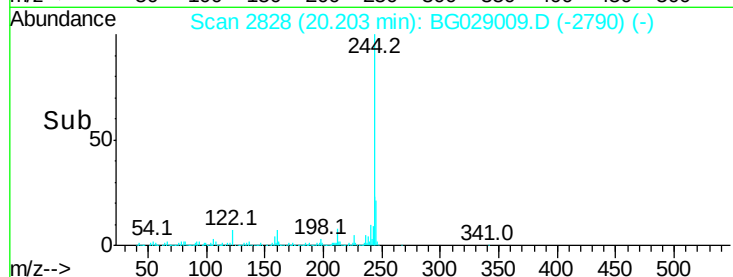
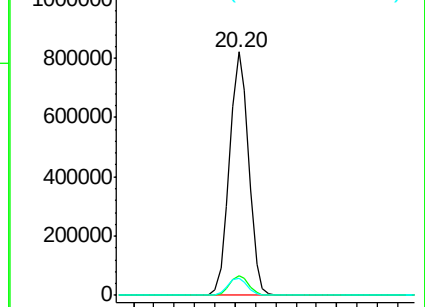
244 100

212 8.1 10.0 15.0#

122 7.2 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# 3704

Delta R.T. -0.18 min

Lab File: BG029009.D

Acq: 3 Oct 2017 17:24

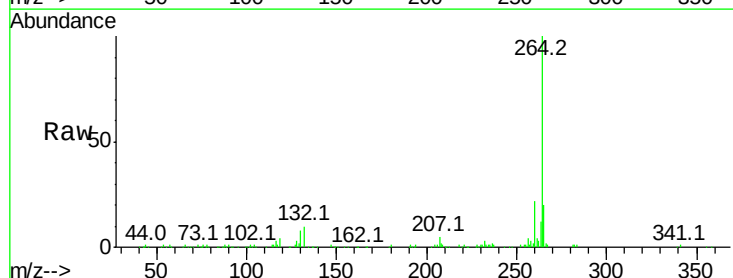
Tgt Ion:264 Resp: 281122

Ion Ratio Lower Upper

264 100

260 21.9 21.8 32.8

265 20.3 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

