

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027932.D
 Acq On : 14 Jul 2017 19:40
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 8PPM LOD
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 14 23:17:23 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 16:10:34 2017
 Response via : Initial Calibration

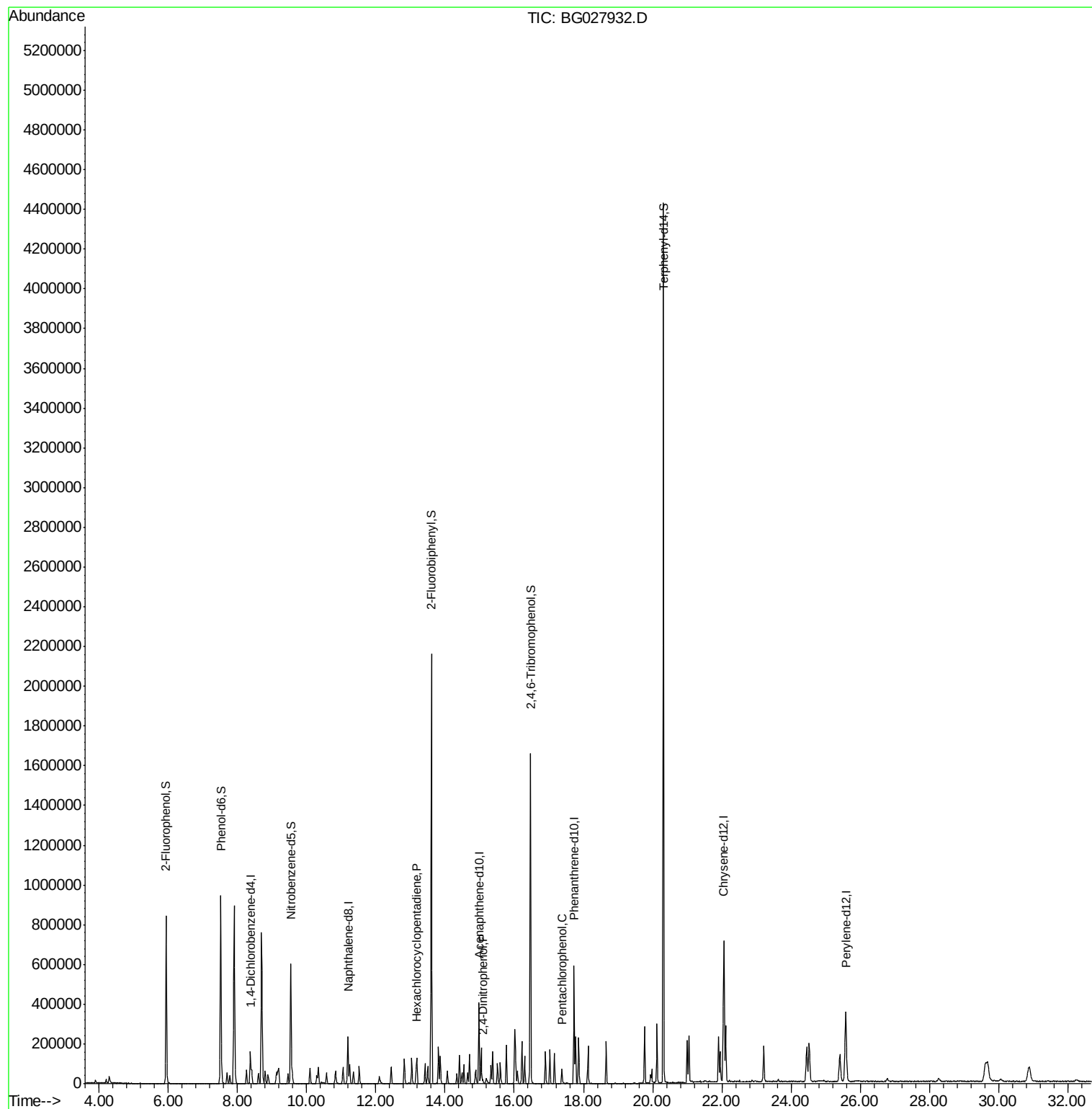
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	48196	20.00	ng	0.00
21) Naphthalene-d8	11.19	136	210546	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	148487	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	391343	20.00	ng	0.00
75) Chrysene-d12	22.06	240	476015	20.00	ng	0.00
86) Perylene-d12	25.58	264	439510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	380575	141.24	ng	0.00
7) Phenol-d6	7.52	99	523262	134.79	ng	0.00
23) Nitrobenzene-d5	9.54	82	374235	99.32	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	358562	162.94	ng	0.00
44) 2-Fluorobiphenyl	13.60	172	1180401	104.84	ng	0.00
78) Terphenyl-d14	20.31	244	2010241	95.49	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	13.16	237	16178	5.905	ng	91
53) 2,4-Dinitrophenol	15.09	184	8028	11.199	ng	# 74
69) Pentachlorophenol	17.38	266	17423	10.868	ng	87

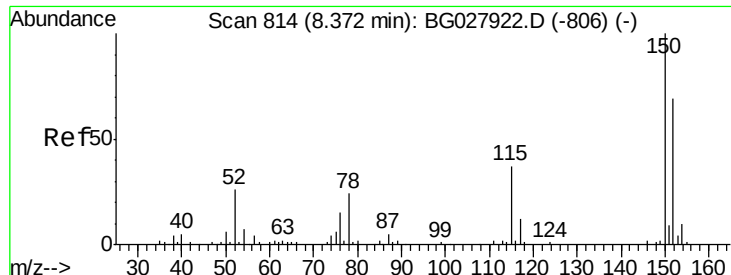
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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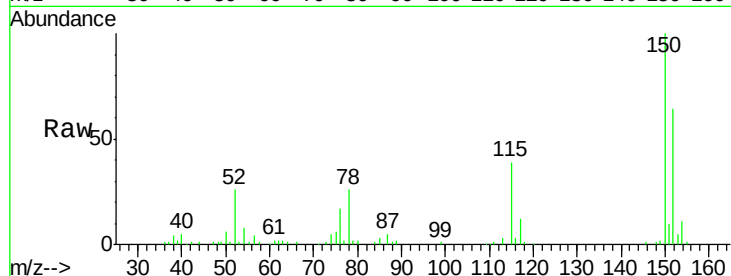


#1

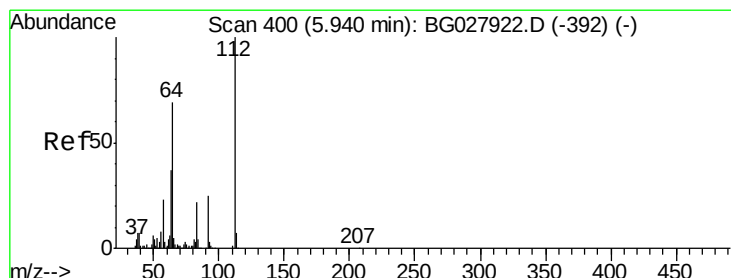
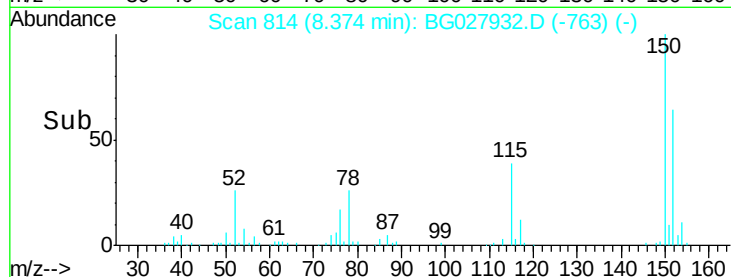
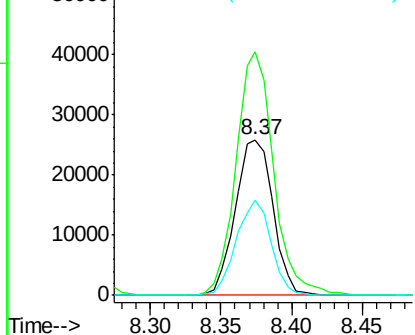
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.37 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG027932.D
Acq: 14 Jul 2017 19:40

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:152 Resp: 48196
Ion Ratio Lower Upper
152 100
150 156.4 114.0 171.0
115 61.3 48.1 72.1



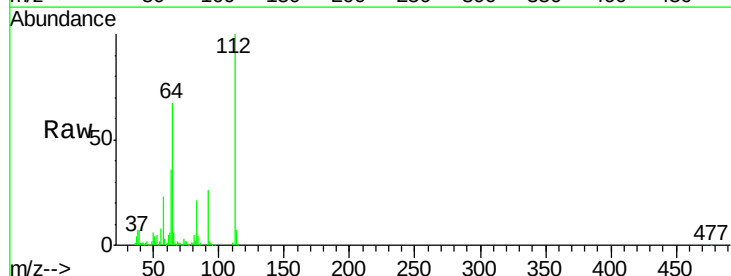
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



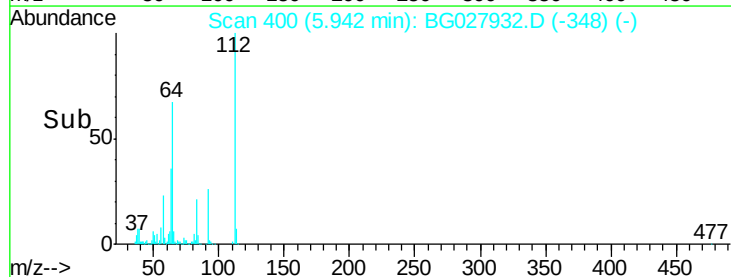
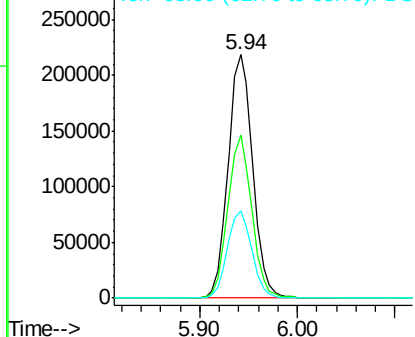
#5

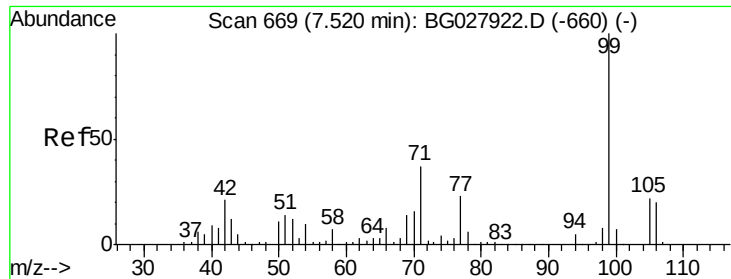
2-Fluorophenol
Concen: 141.242 ng
RT: 5.94 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG027932.D
Acq: 14 Jul 2017 19:40

Tgt Ion:112 Resp: 380575
Ion Ratio Lower Upper
112 100
64 66.7 61.8 92.6
63 35.9 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: 134.791 ng

RT: 7.52 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

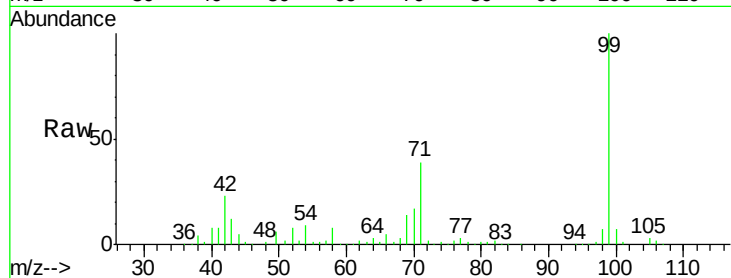
Tgt Ion: 99 Resp: 523262

Ion Ratio Lower Upper

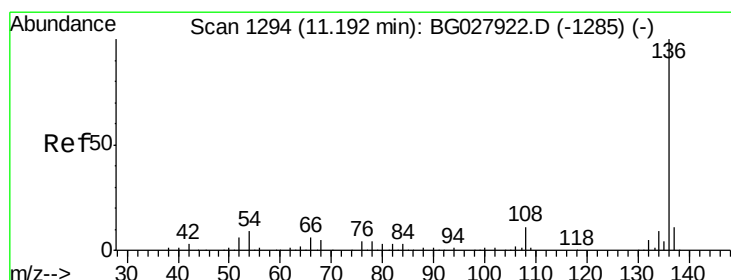
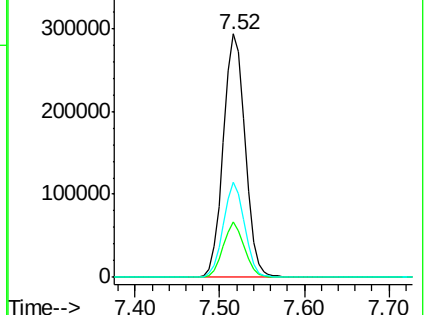
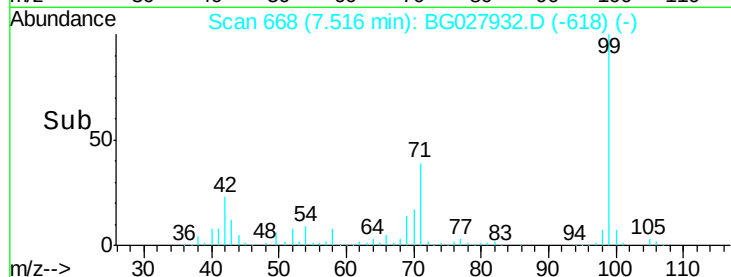
99 100

42 22.5 20.5 30.7

71 38.9 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: 11.19 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Tgt Ion: 136 Resp: 210546

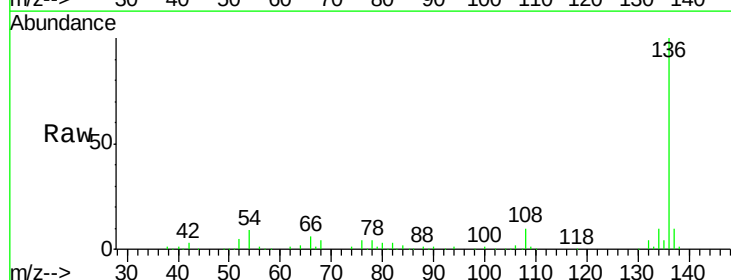
Ion Ratio Lower Upper

136 100

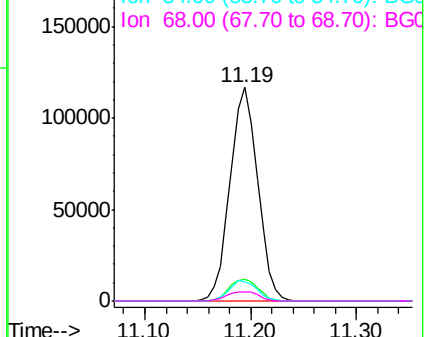
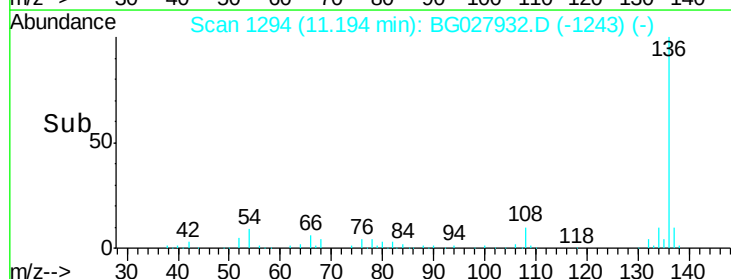
137 10.3 8.9 13.3

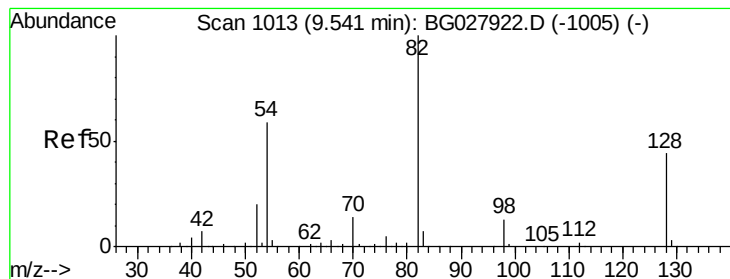
54 9.1 9.3 13.9#

68 4.5 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: 99.315 ng

RT: 9.54 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

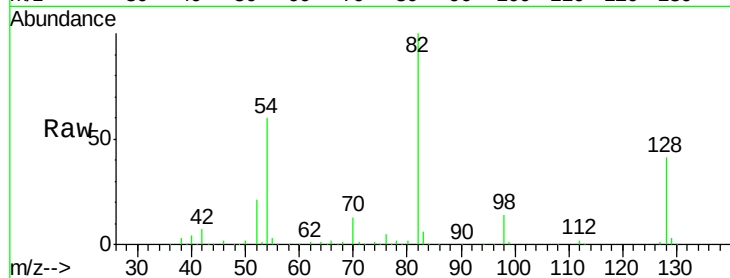
Tgt Ion: 82 Resp: 374235

Ion Ratio Lower Upper

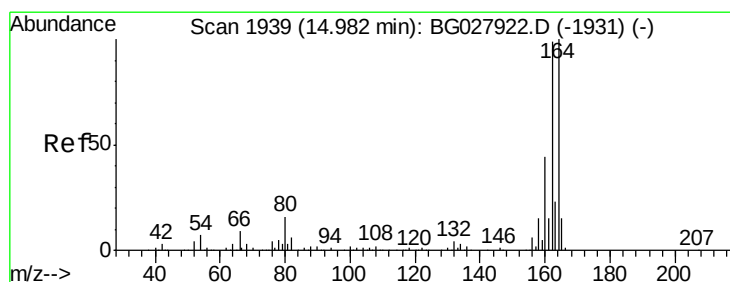
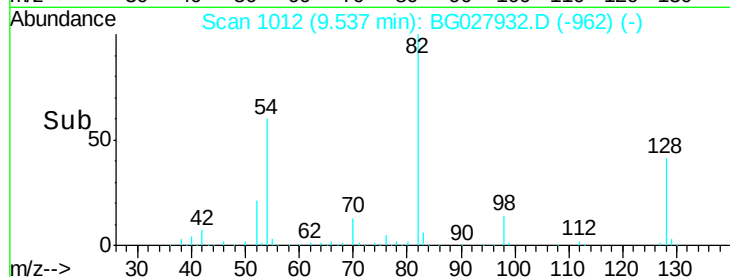
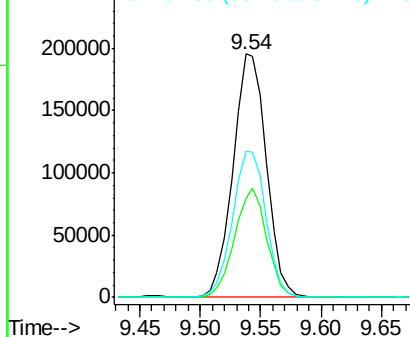
82 100

128 40.8 26.4 39.6#

54 59.8 49.4 74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.98 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

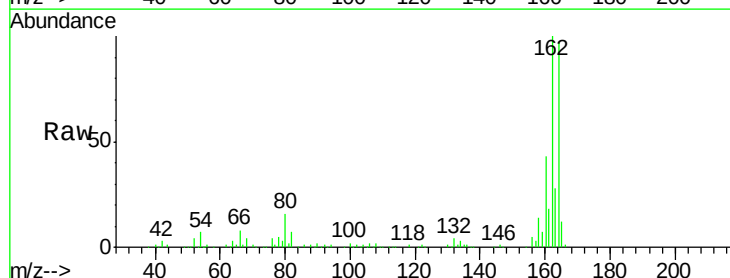
Tgt Ion: 164 Resp: 148487

Ion Ratio Lower Upper

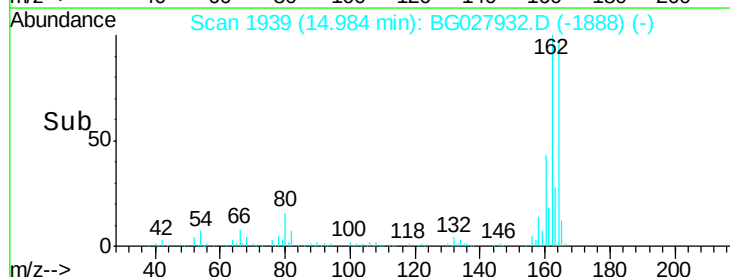
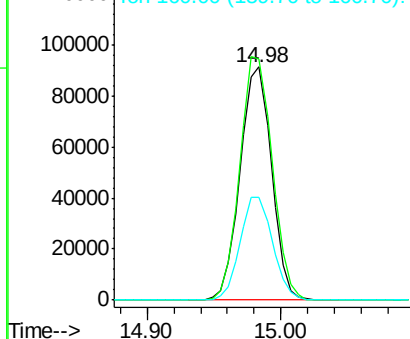
164 100

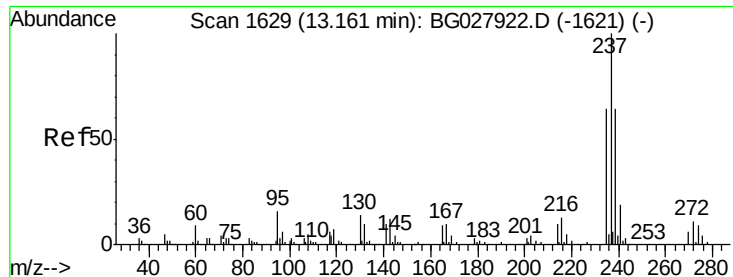
162 103.3 85.1 127.7

160 44.0 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#40

Hexachlorocyclopentadiene

Concen: 5.905 ng

RT: 13.16 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

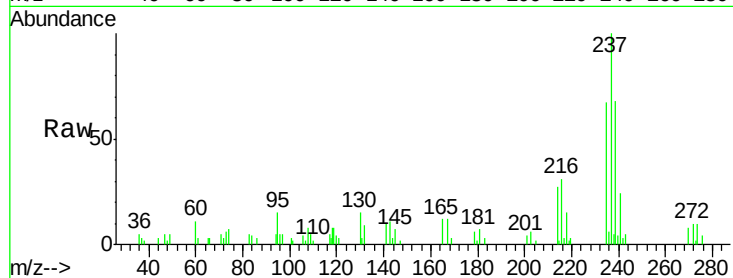
Tgt Ion: 237 Resp: 16178

Ion Ratio Lower Upper

237 100

235 66.6 39.4 79.4

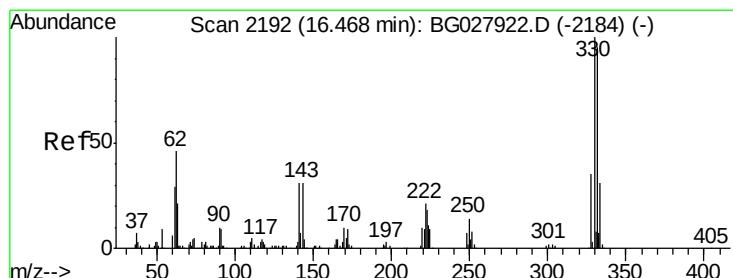
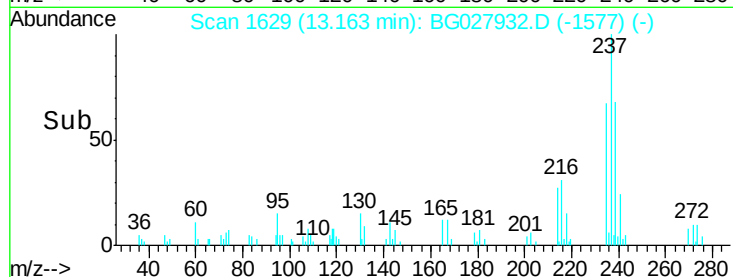
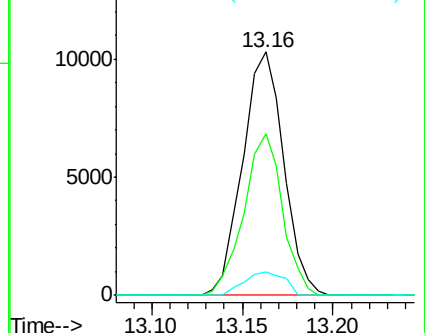
272 9.6 0.0 32.0



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: 162.943 ng

RT: 16.47 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

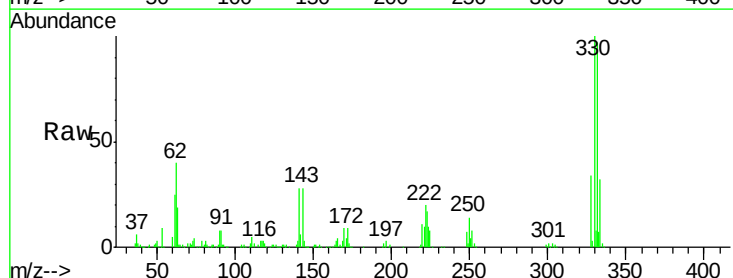
Tgt Ion: 330 Resp: 358562

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

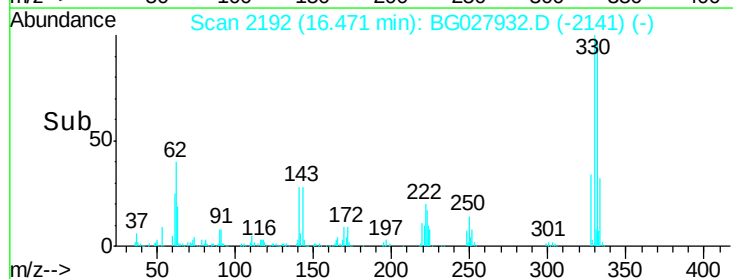
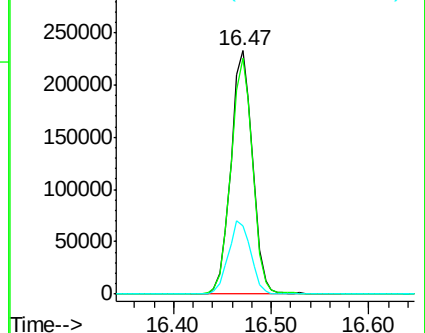
141 30.9 32.1 48.1#

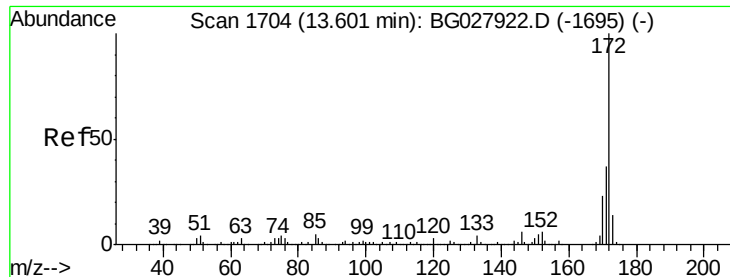


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

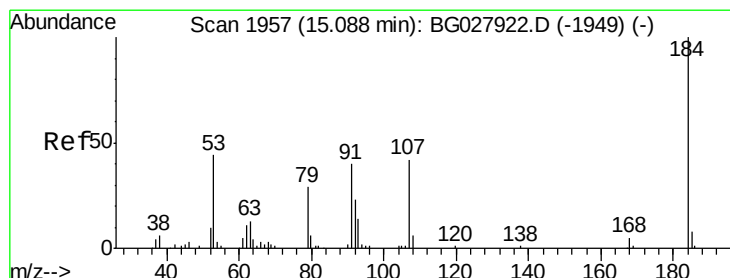
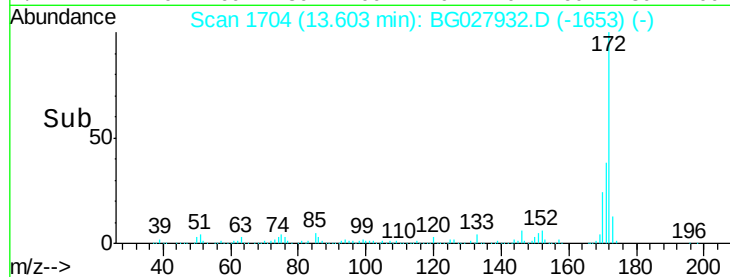
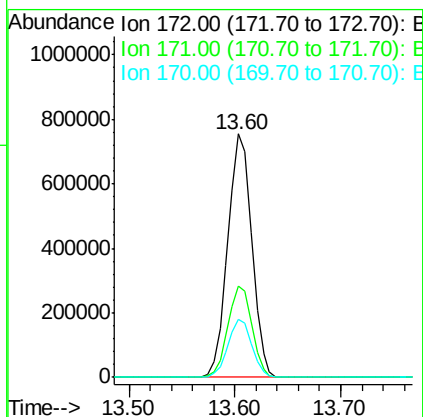
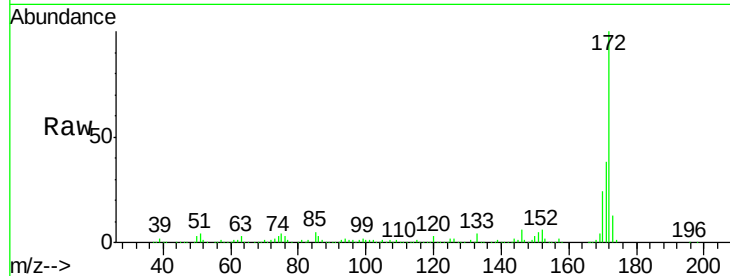




#44
 2-Fluorobiphenyl
 Concen: 104.839 ng
 RT: 13.60 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: BG027932.D
 Acq: 14 Jul 2017 19:40

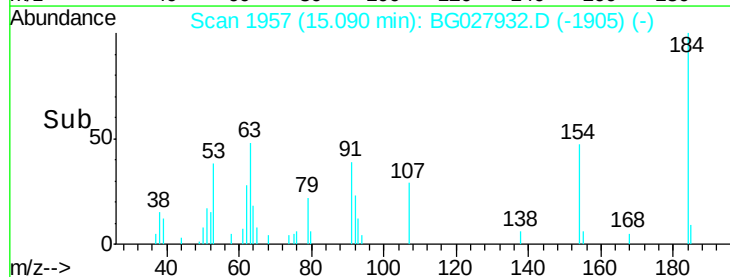
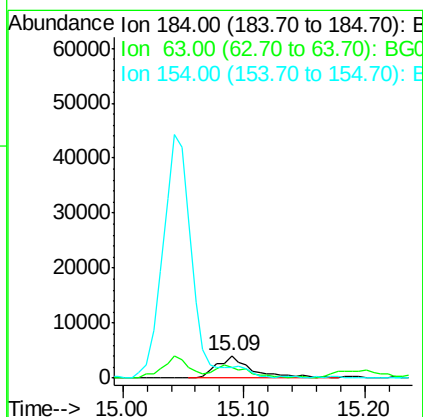
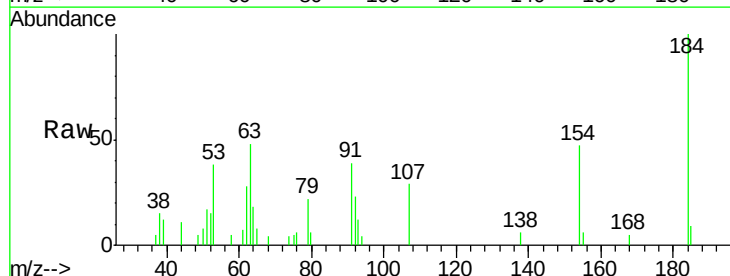
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

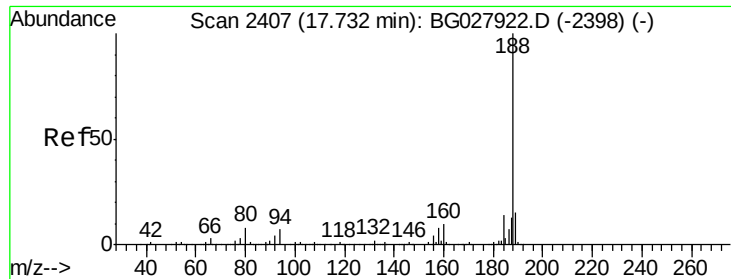
Tgt Ion:172 Resp: 1180401
 Ion Ratio Lower Upper
 172 100
 171 37.5 32.2 48.2
 170 23.8 21.8 32.6



#53
 2,4-Dinitrophenol
 Concen: 11.199 ng
 RT: 15.09 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: BG027932.D
 Acq: 14 Jul 2017 19:40

Tgt Ion:184 Resp: 8028
 Ion Ratio Lower Upper
 184 100
 63 48.0 52.7 79.1#
 154 47.4 57.3 85.9#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.73 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

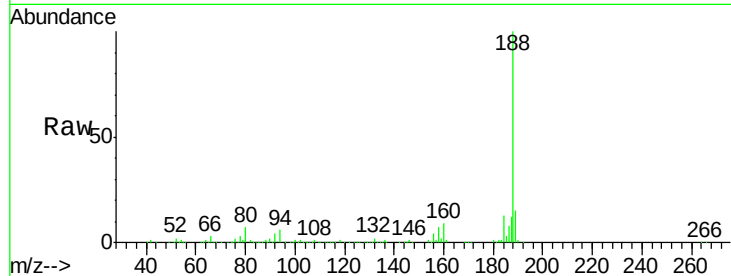
Tgt Ion:188 Resp: 391343

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

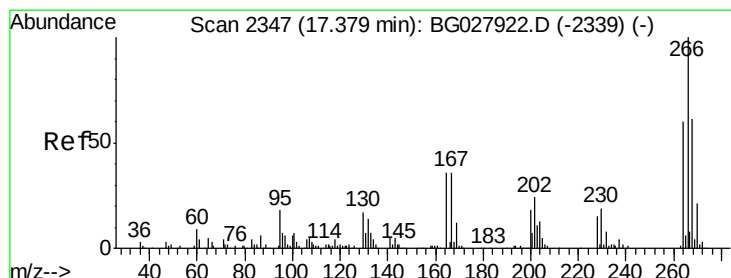
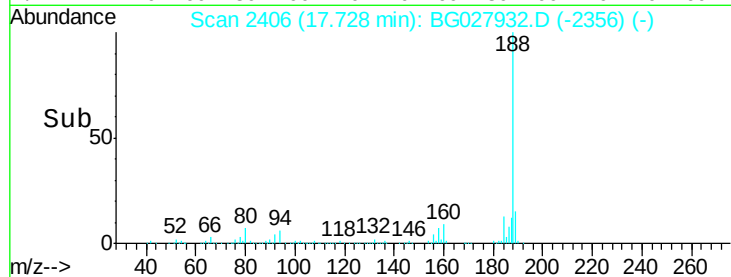
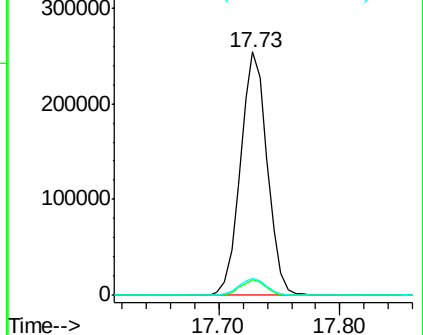
80 7.1 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Pentachlorophenol

Concen: 10.868 ng

RT: 17.38 min Scan# 2346

Delta R.T. -0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

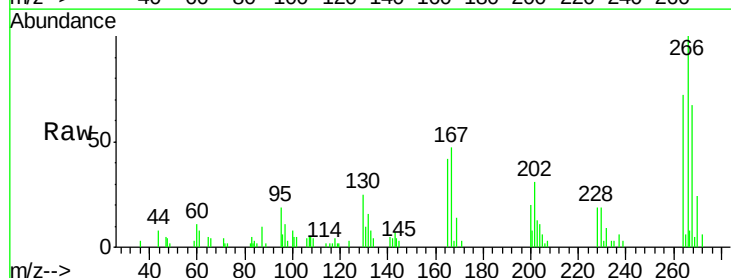
Tgt Ion:266 Resp: 17423

Ion Ratio Lower Upper

266 100

268 71.9 48.6 72.8

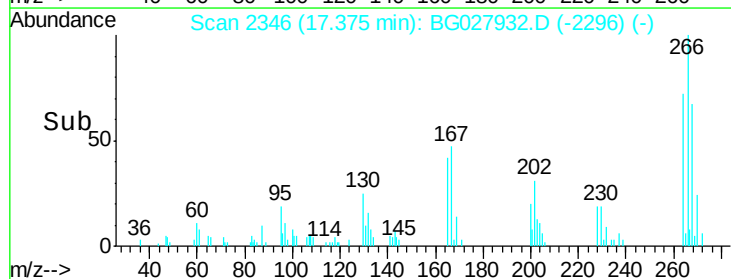
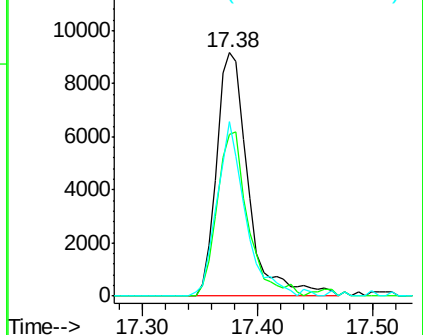
264 71.9 50.1 75.1

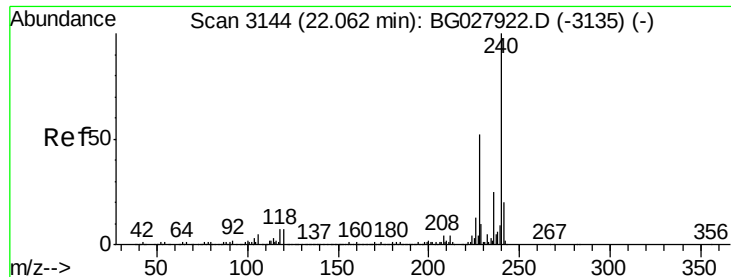


Abundance Ion 265.70 (265.40 to 266.40): E

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: 22.06 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

Instrument :

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LOD-SOIL-01-QT3-2017

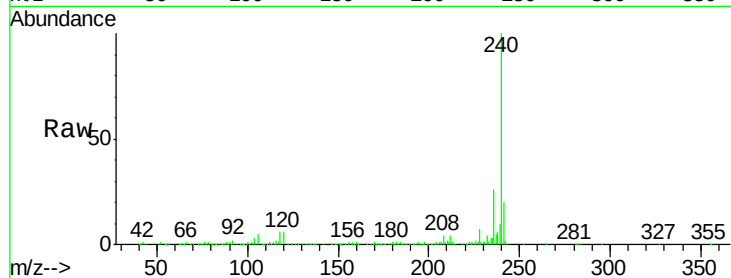
Tgt Ion:240 Resp: 476015

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

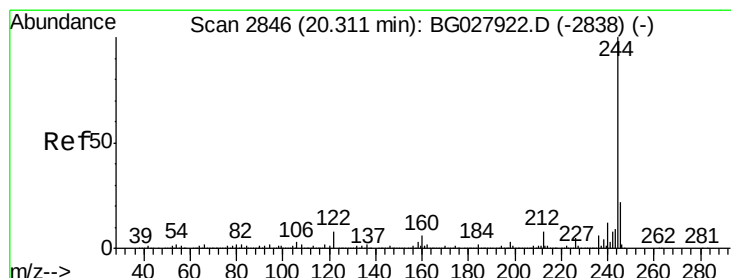
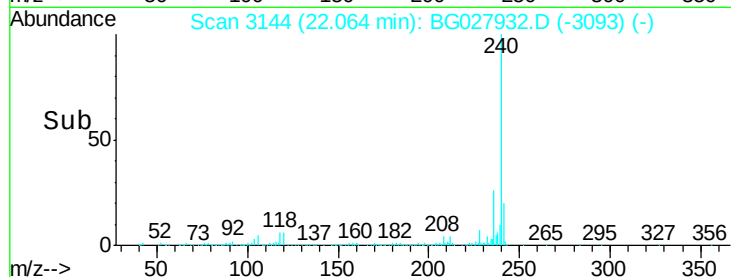
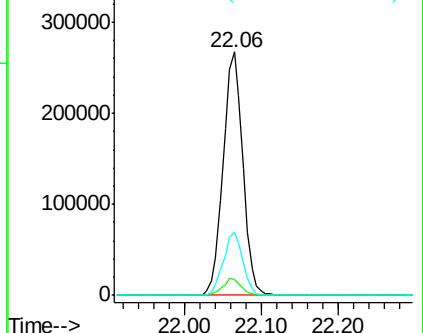
236 26.1 22.2 33.4



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: 95.486 ng

RT: 20.31 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BG027932.D

Acq: 14 Jul 2017 19:40

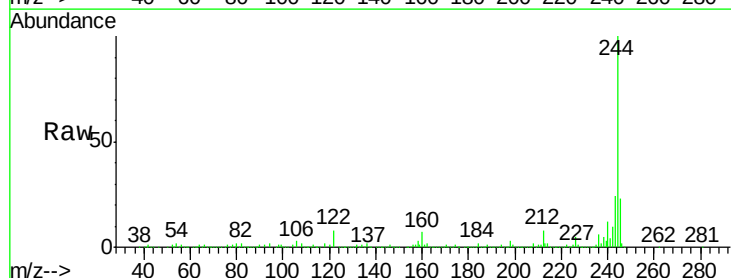
Tgt Ion:244 Resp: 2010241

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

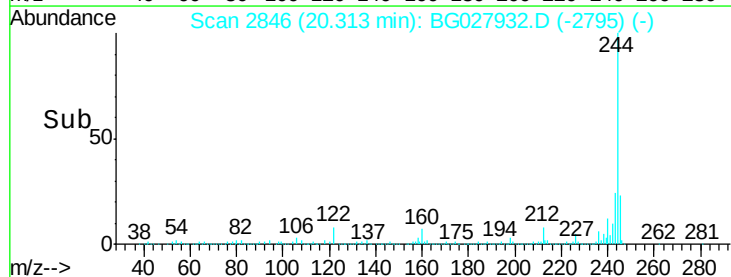
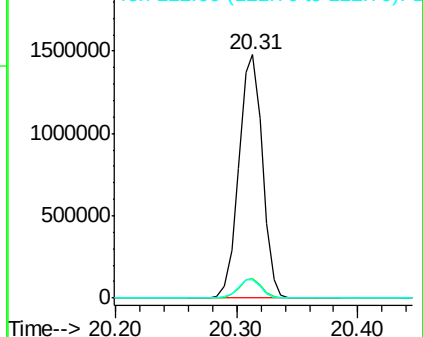
122 7.7 8.6 12.8#

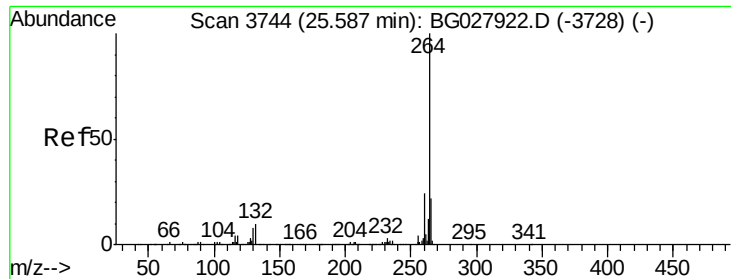


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

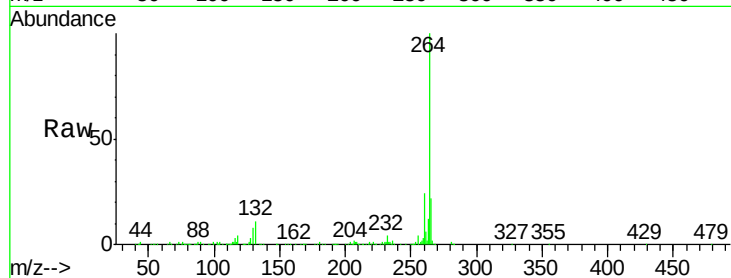




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.58 min Scan# 3743
Delta R.T. -0.00 min
Lab File: BG027932.D
Acq: 14 Jul 2017 19:40

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	21.8	32.8
265	22.2	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

