

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032117\
 Data File : BG026364.D
 Acq On : 21 Mar 2017 18:43
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 8 PPB
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 13:26:42 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

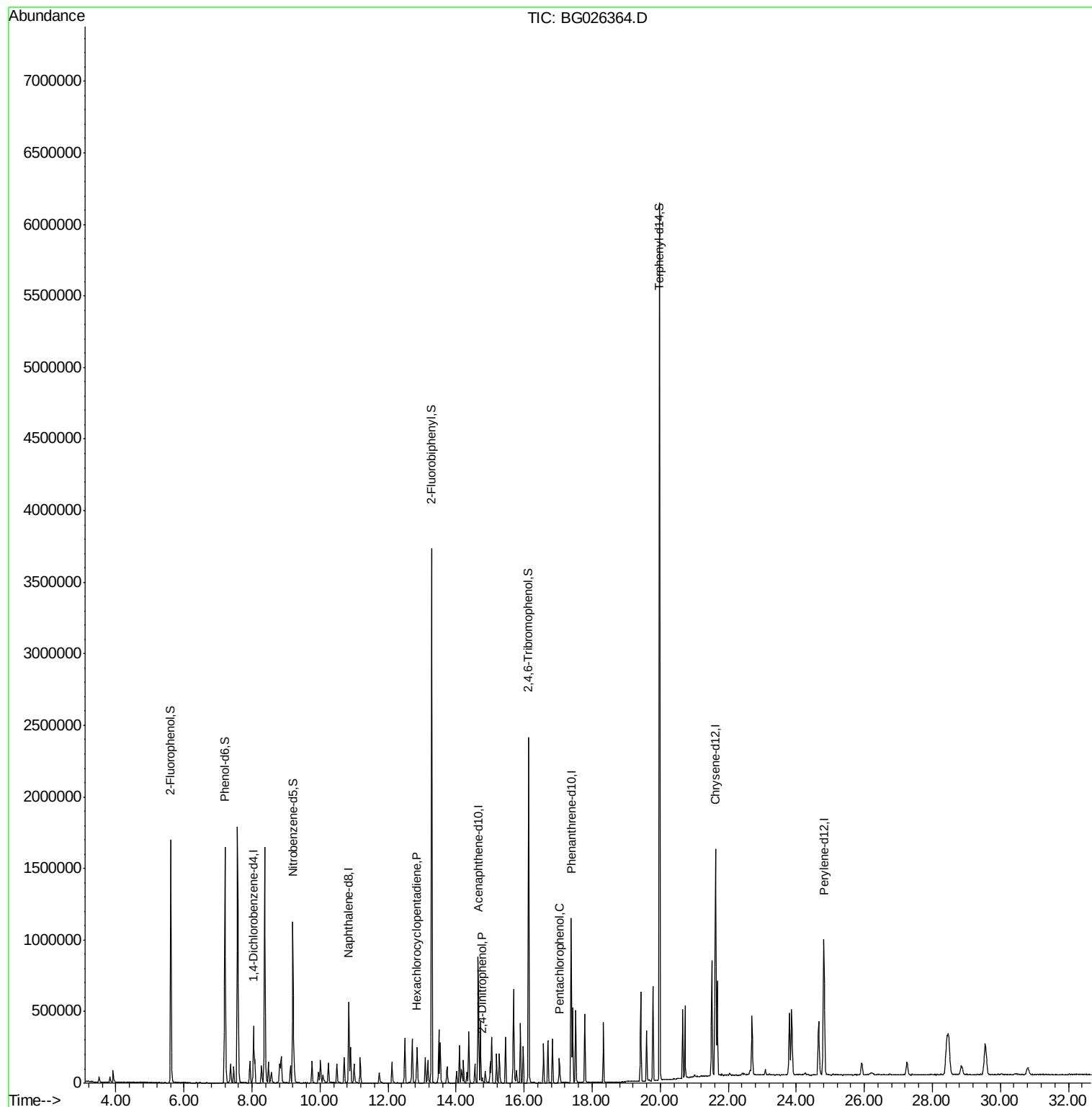
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	125212	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	542784	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	312993	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	740537	20.00	ng	0.00
75) Chrysene-d12	21.63	240	905081	20.00	ng	0.00
86) Perylene-d12	24.81	264	885348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	896185	127.04	ng	0.00
7) Phenol-d6	7.21	99	1162448	122.74	ng	0.00
23) Nitrobenzene-d5	9.20	82	729907	80.86	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	494718	138.02	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1970755	88.30	ng	0.00
78) Terphenyl-d14	19.98	244	2737227	73.45	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.84	237	31003	6.25	ng	Qvalue 98
53) 2,4-Dinitrophenol	14.76	184	12627	3.95	ng	# 82
69) Pentachlorophenol	17.04	266	36811	6.96	ng	94

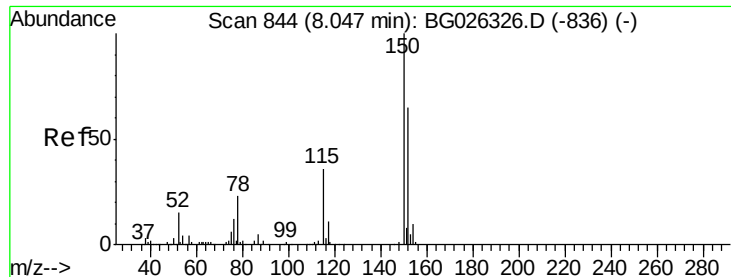
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

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BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

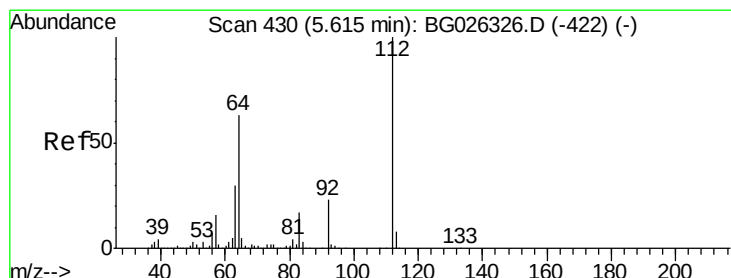
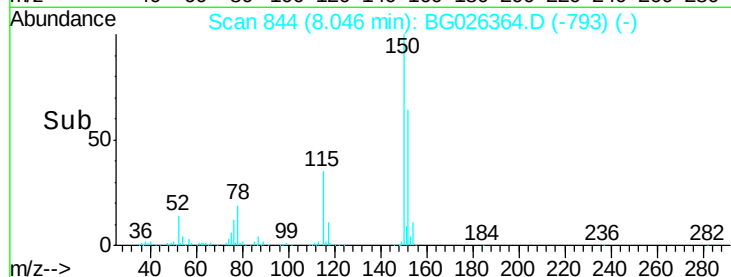
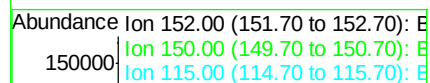
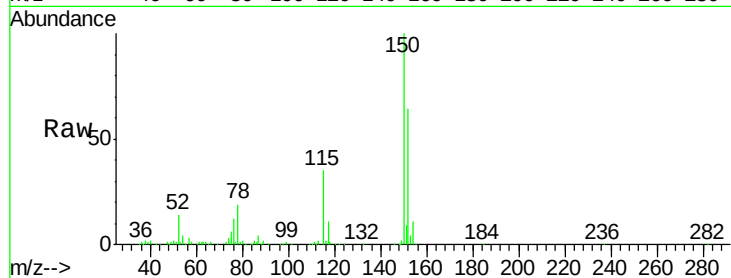
Tgt Ion:152 Resp: 125212

Ion Ratio Lower Upper

152 100

150 155.7 114.0 171.0

115 55.1 48.1 72.1



#5

2-Fluorophenol

Concen: 127.04 ng

RT: 5.61 min Scan# 430

Delta R.T. -0.00 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

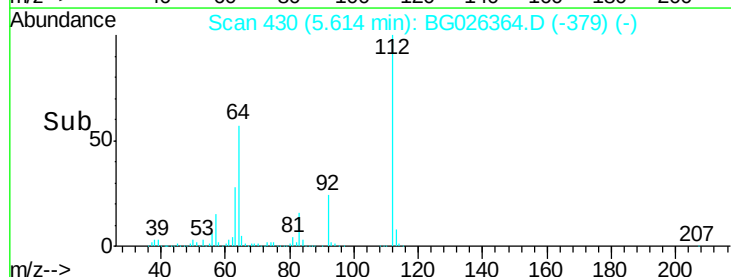
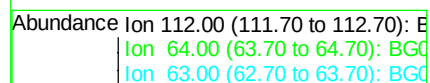
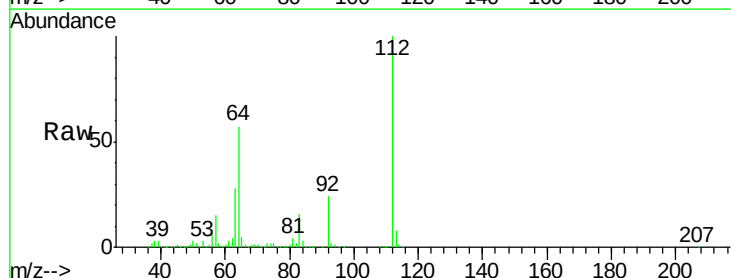
Tgt Ion:112 Resp: 896185

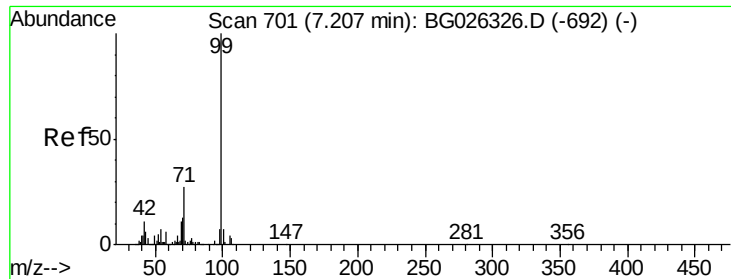
Ion Ratio Lower Upper

112 100

64 56.7 61.8 92.6#

63 27.7 37.2 55.8#





#7

Phenol-d6

Concen: 122.74 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

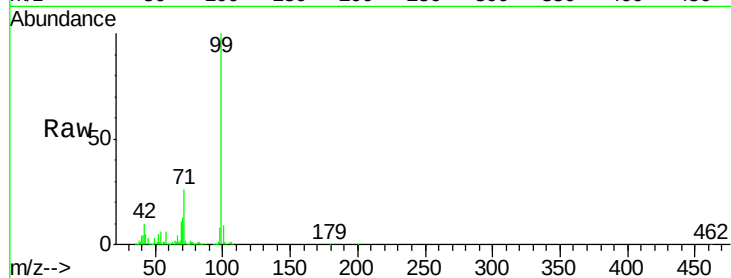
Tgt Ion: 99 Resp: 1162448

Ion Ratio Lower Upper

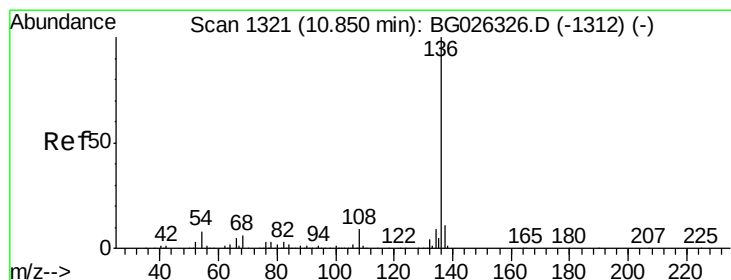
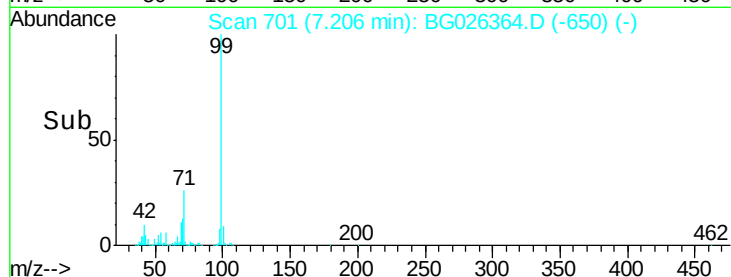
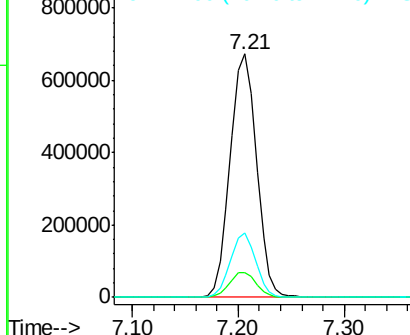
99 100

42 10.4 20.5 30.7#

71 26.4 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: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

Tgt Ion: 136 Resp: 542784

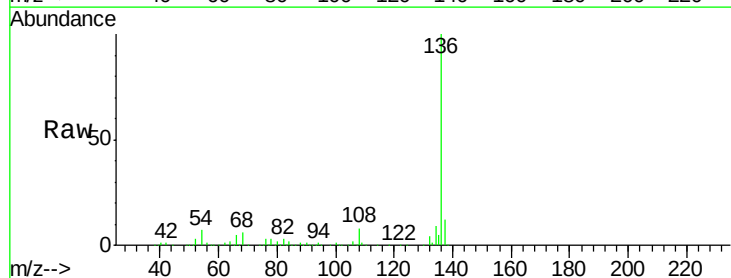
Ion Ratio Lower Upper

136 100

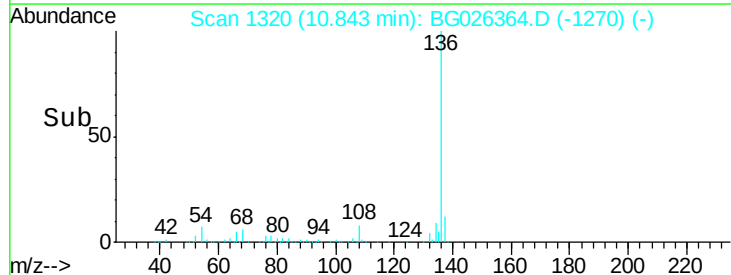
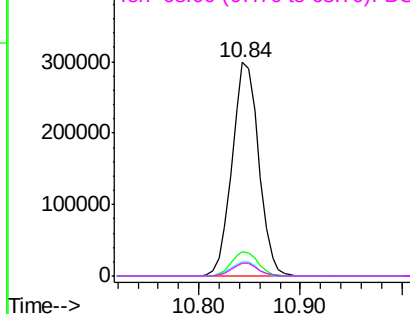
137 11.6 8.9 13.3

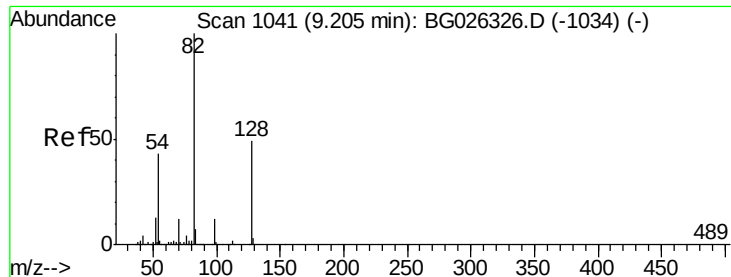
54 6.7 9.3 13.9#

68 6.3 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

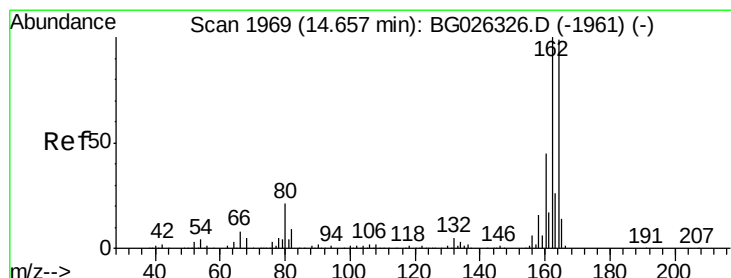
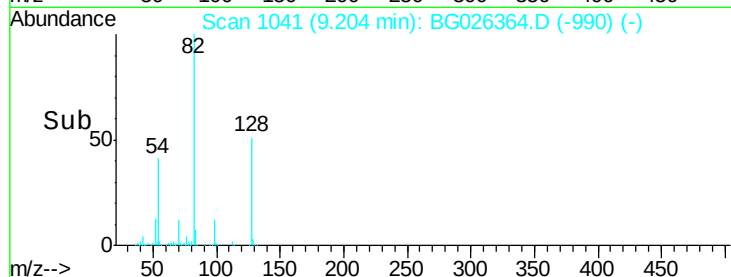
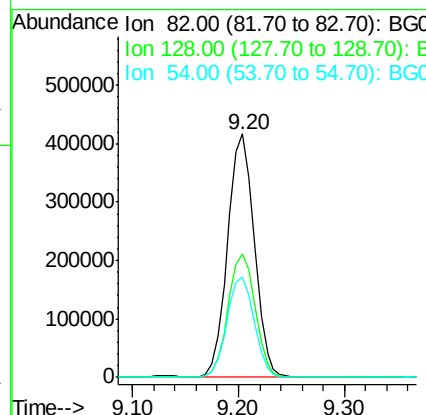
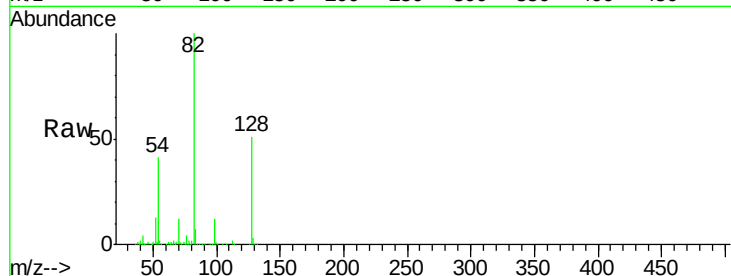




#23
 Nitrobenzene-d5
 Concen: 80.86 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG026364.D
 Acq: 21 Mar 2017 18:43

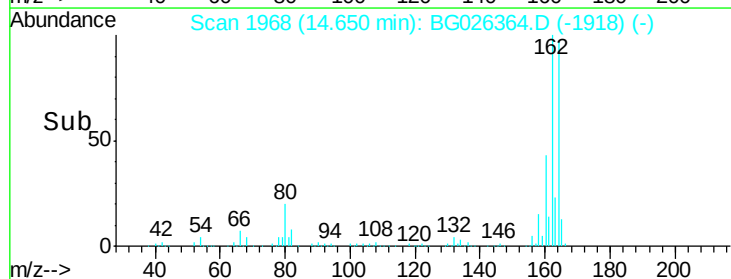
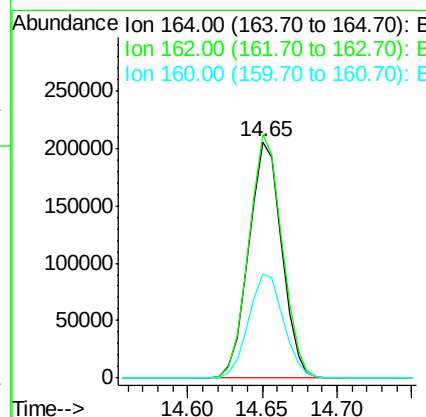
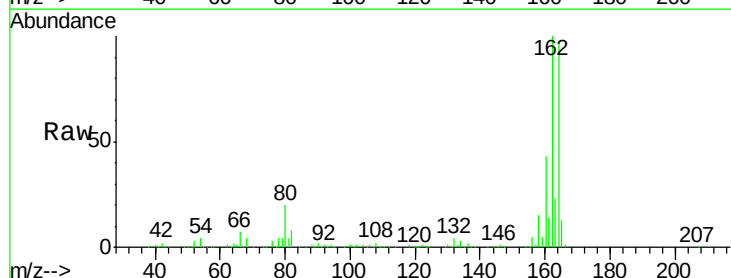
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

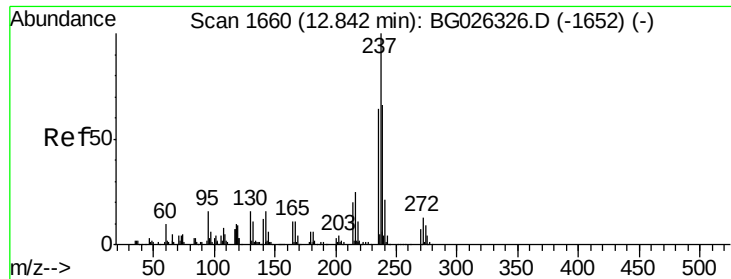
Tgt Ion: 82 Resp: 729907
 Ion Ratio Lower Upper
 82 100
 128 50.8 26.4 39.6#
 54 41.0 49.4 74.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG026364.D
 Acq: 21 Mar 2017 18:43

Tgt Ion: 164 Resp: 312993
 Ion Ratio Lower Upper
 164 100
 162 103.0 85.1 127.7
 160 44.3 34.7 52.1





#40

Hexachlorocyclopentadiene

Concen: 6.25 ng

RT: 12.84 min Scan# 1660

Delta R.T. -0.00 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

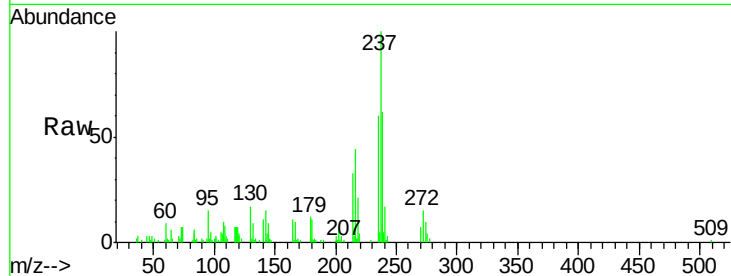
Tgt Ion: 237 Resp: 31003

Ion Ratio Lower Upper

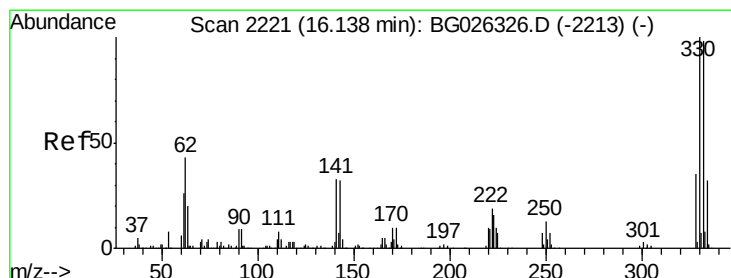
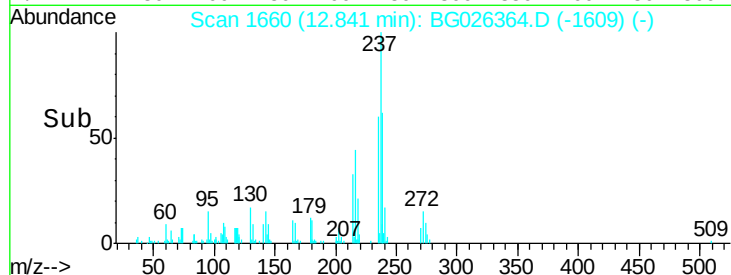
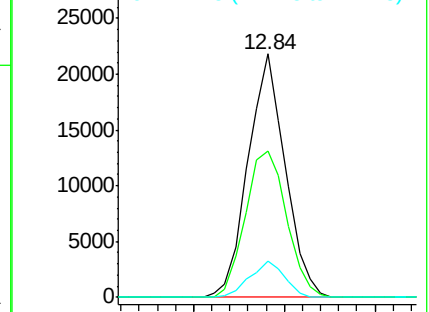
237 100

235 60.3 39.4 79.4

272 15.1 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: 138.02 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

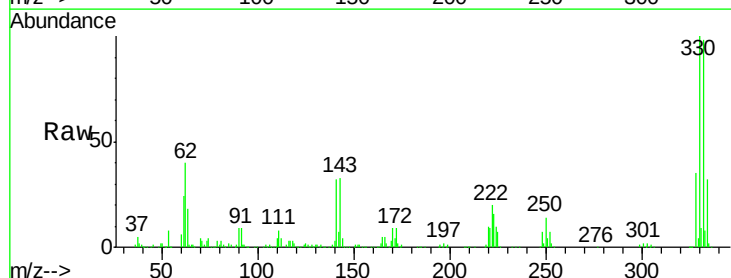
Tgt Ion: 330 Resp: 494718

Ion Ratio Lower Upper

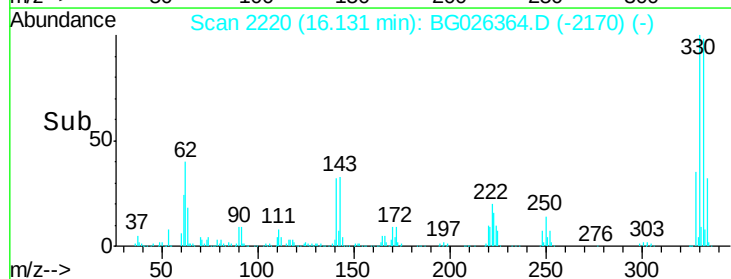
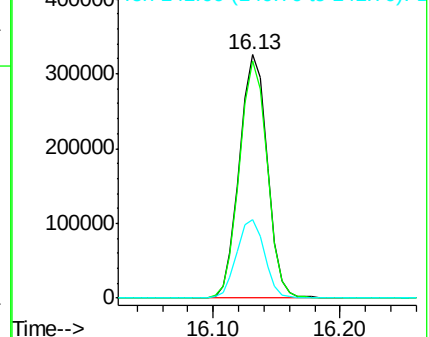
330 100

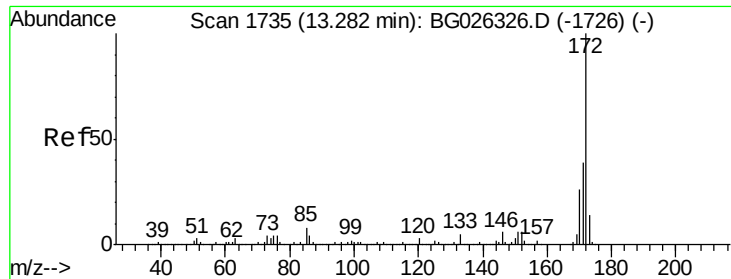
332 97.3 77.3 115.9

141 32.2 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

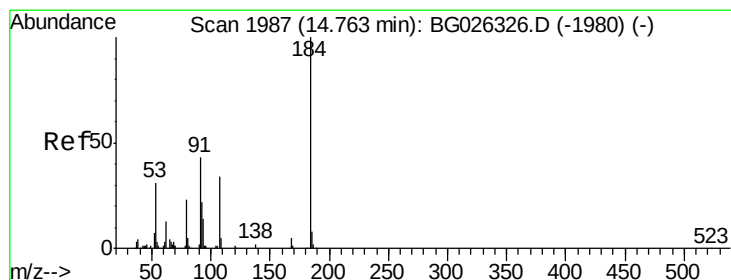
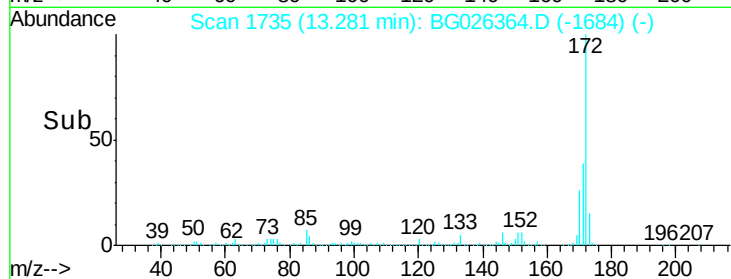
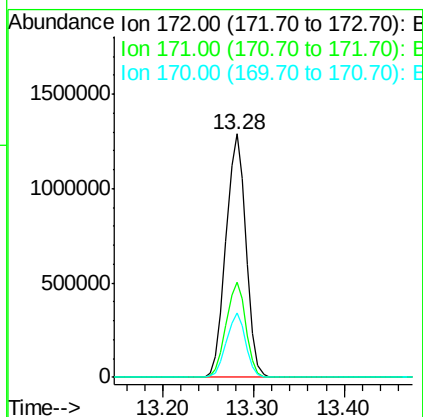
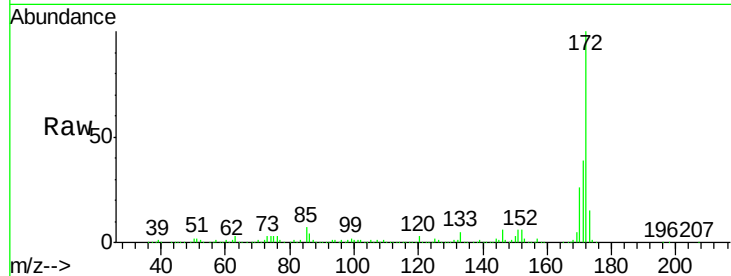




#44
 2-Fluorobiphenyl
 Concen: 88.30 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG026364.D
 Acq: 21 Mar 2017 18:43

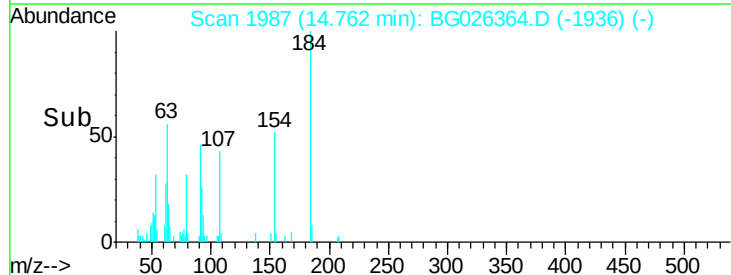
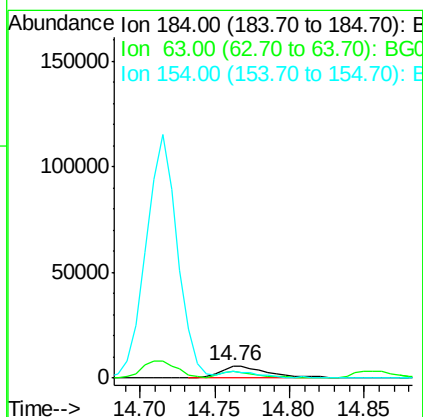
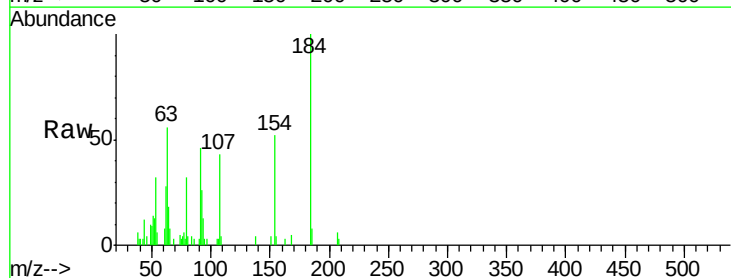
Instrument :
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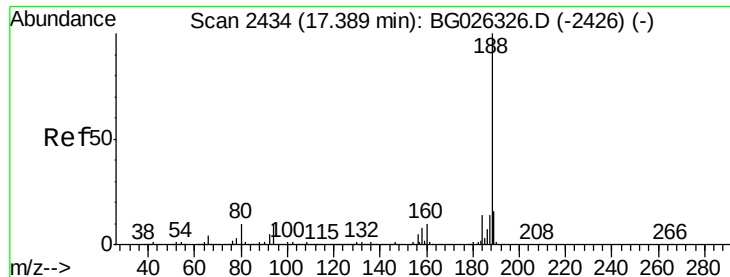
Tgt Ion:172 Resp: 1970755
 Ion Ratio Lower Upper
 172 100
 171 39.3 32.2 48.2
 170 26.2 21.8 32.6



#53
 2,4-Dinitrophenol
 Concen: 3.95 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BG026364.D
 Acq: 21 Mar 2017 18:43

Tgt Ion:184 Resp: 12627
 Ion Ratio Lower Upper
 184 100
 63 55.6 52.7 79.1
 154 52.3 57.3 85.9#

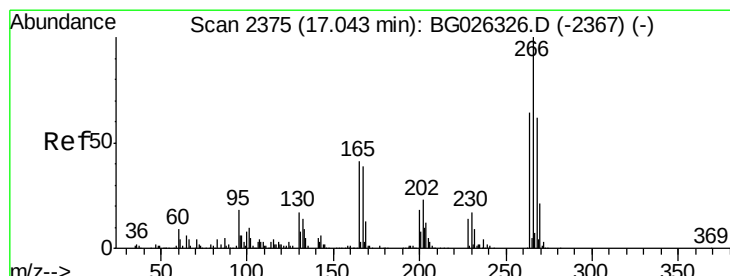
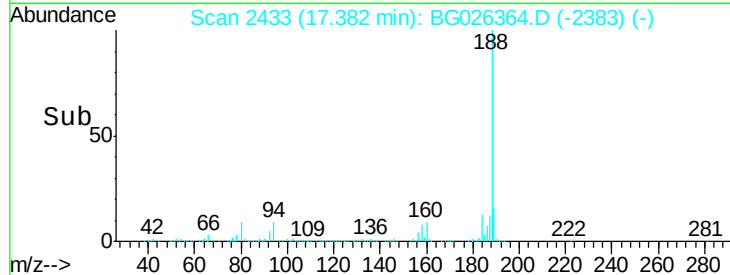
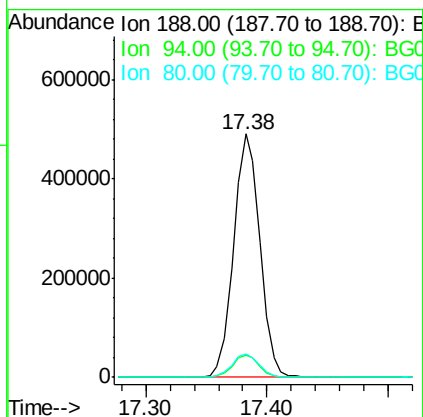
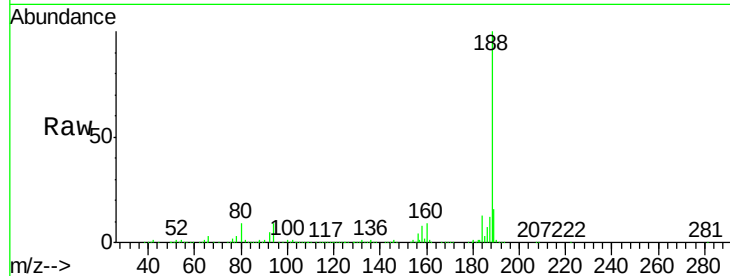




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG026364.D
Acq: 21 Mar 2017 18:43

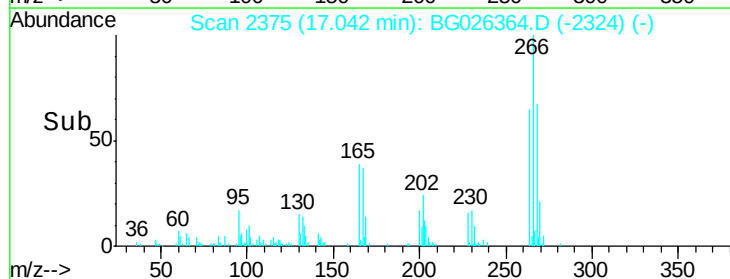
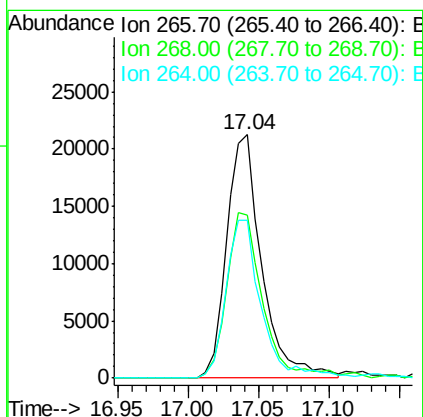
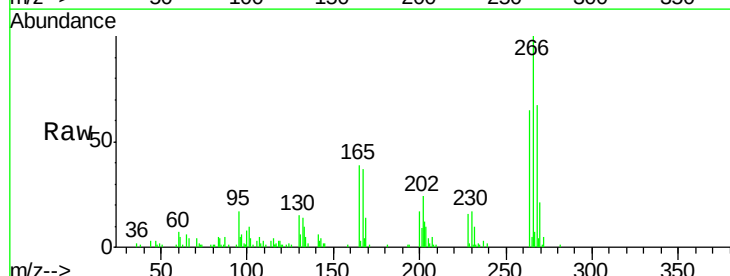
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

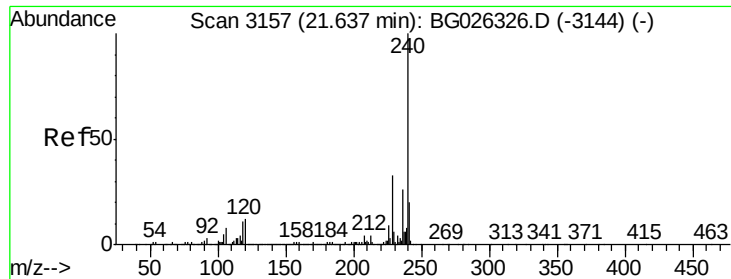
Tgt Ion:188 Resp: 740537
Ion Ratio Lower Upper
188 100
94 9.3 5.8 8.8#
80 9.4 7.5 11.3



#69
Pentachlorophenol
Concen: 6.96 ng
RT: 17.04 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BG026364.D
Acq: 21 Mar 2017 18:43

Tgt Ion:266 Resp: 36811
Ion Ratio Lower Upper
266 100
268 67.1 48.6 72.8
264 64.8 50.1 75.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

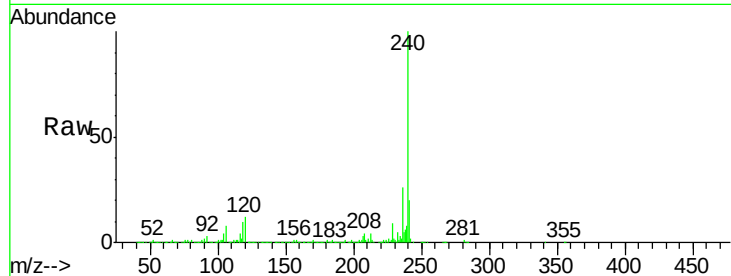
Tgt Ion:240 Resp: 905081

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

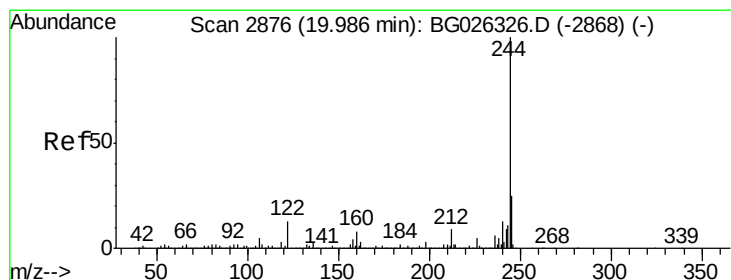
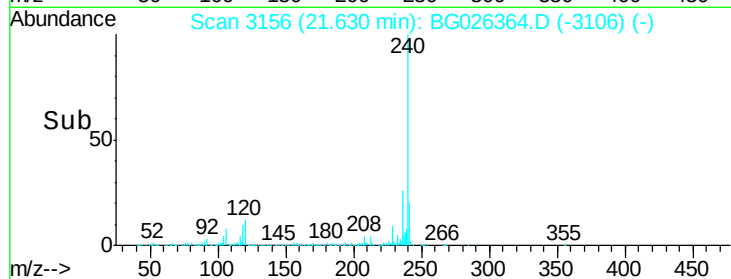
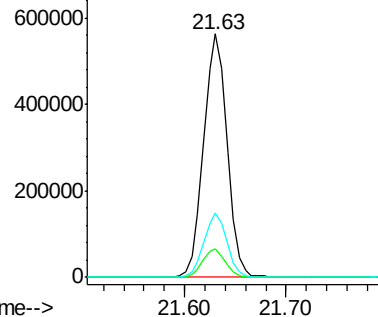
236 26.2 22.2 33.4



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: 73.45 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026364.D

Acq: 21 Mar 2017 18:43

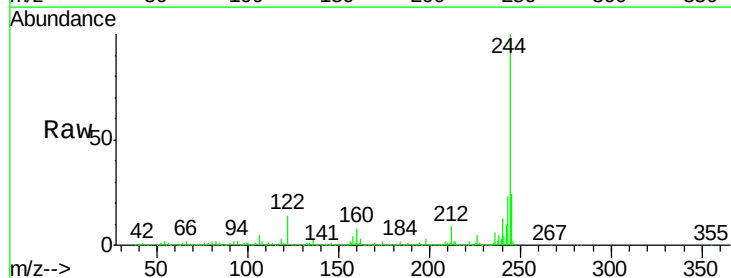
Tgt Ion:244 Resp: 2737227

Ion Ratio Lower Upper

244 100

212 8.7 10.0 15.0#

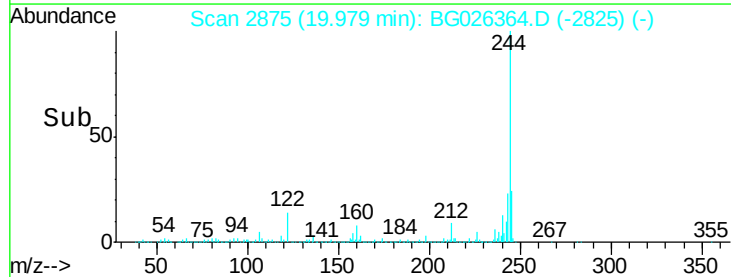
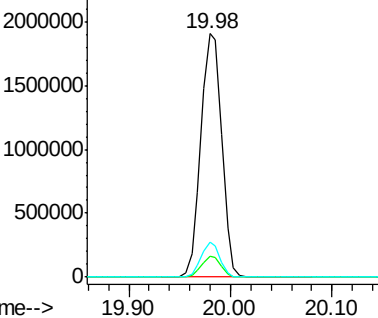
122 14.3 8.6 12.8#

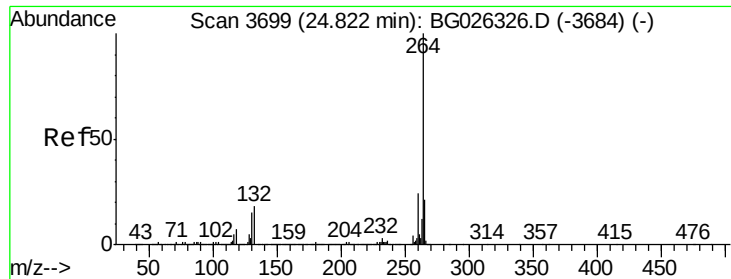


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

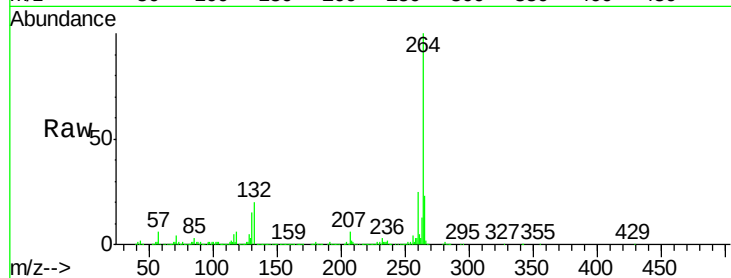




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG026364.D
Acq: 21 Mar 2017 18:43

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	21.8	32.8
265	22.7	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

