

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102317\
 Data File : BG029411.D
 Acq On : 23 Oct 2017 22:51
 Operator : SJ/JU
 Sample : I6044-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NF-SOIL

Quant Time: Oct 24 06:56:00 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

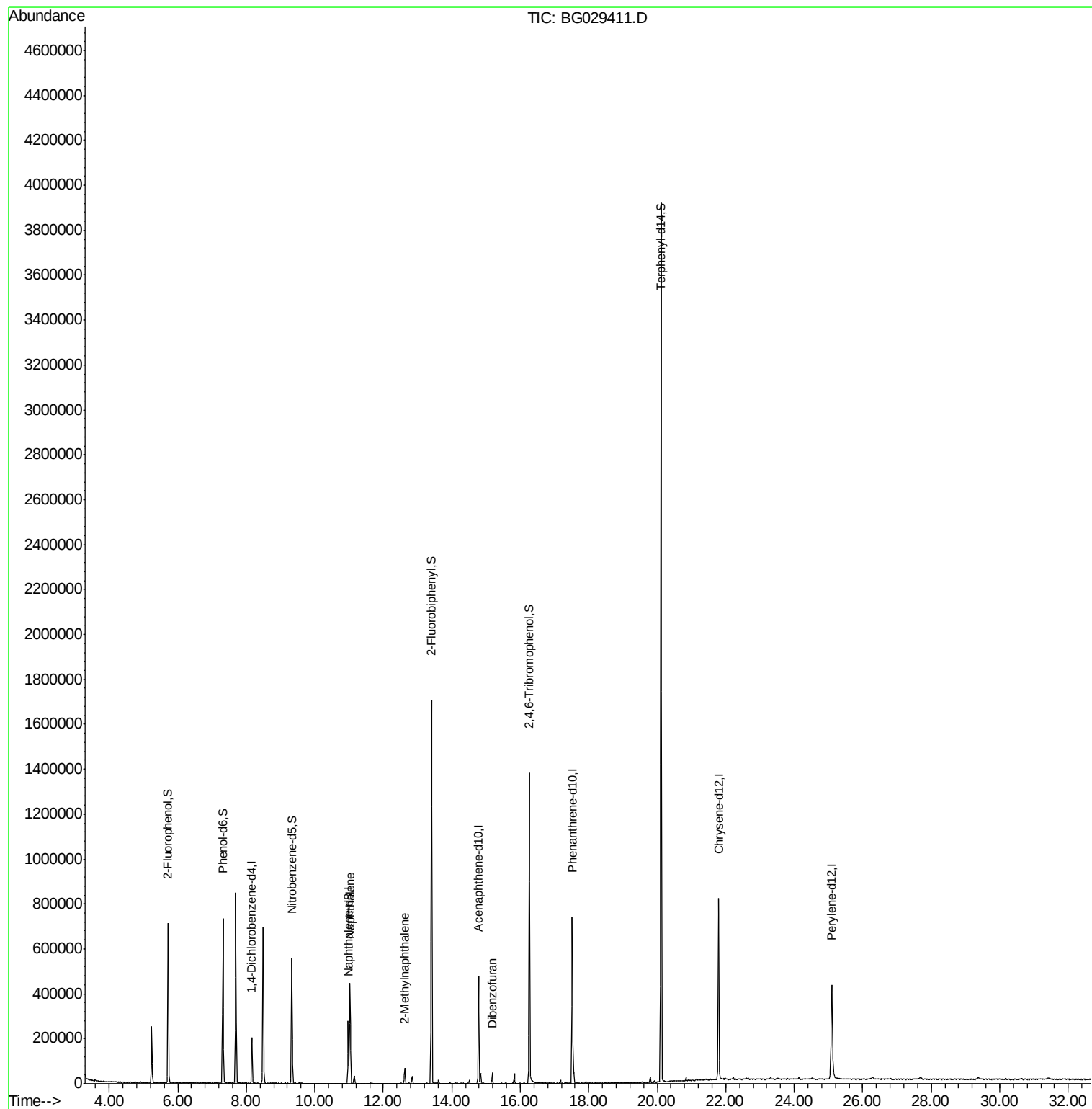
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	56796	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	245740	20.00	ng	-0.01
38) Acenaphthene-d10	14.78	164	171870	20.00	ng	-0.01
63) Phenanthrene-d10	17.52	188	457421	20.00	ng	-0.01
75) Chrysene-d12	21.79	240	514455	20.00	ng	-0.01
86) Perylene-d12	25.09	264	503673	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	326469	96.03	ng	0.00
7) Phenol-d6	7.32	99	442226	92.67	ng	0.00
23) Nitrobenzene-d5	9.33	82	337423	87.26	ng	-0.01
41) 2,4,6-Tribromophenol	16.27	330	290220	130.79	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	938568	80.09	ng	-0.01
78) Terphenyl-d14	20.11	244	1762868	77.95	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.03	128	377227	30.801	ng	99
37) 2-Methylnaphthalene	12.62	142	32175	3.605	ng	88
54) Dibenzofuran	15.18	168	34012	2.171	ng	98

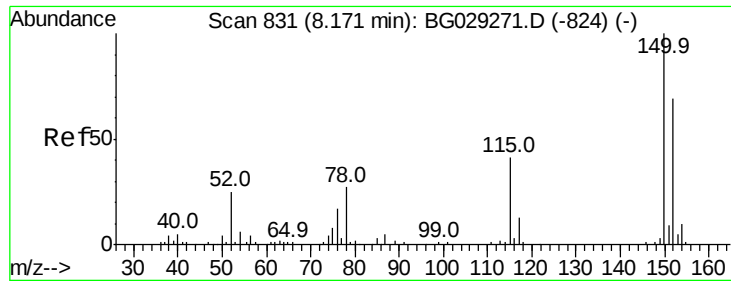
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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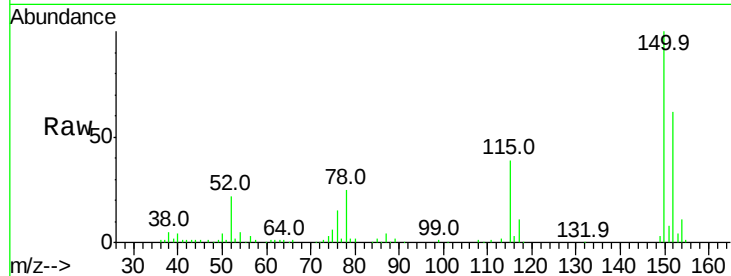


#1

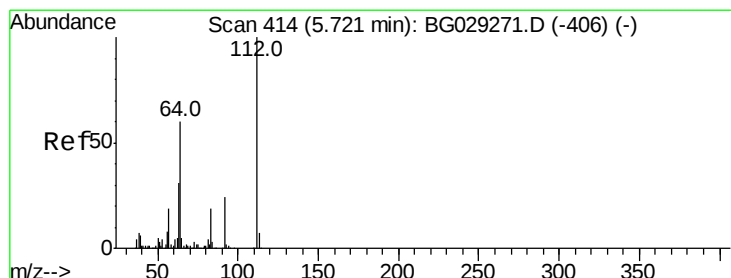
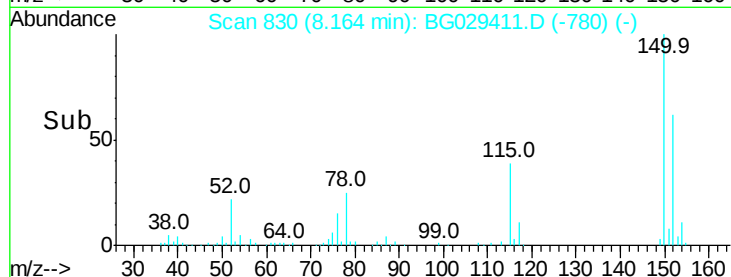
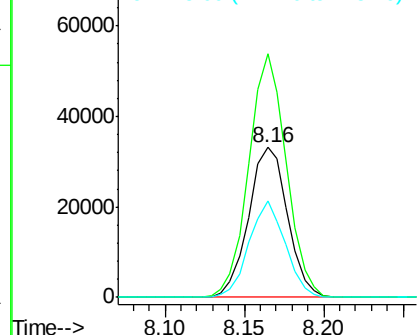
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.01 min
Lab File: BG029411.D
Acq: 23 Oct 2017 22:51

Instrument :
BNA_G
ClientSampleId :
NF-SOIL

Tot Ion:152 Resp: 56796
Ion Ratio Lower Upper
152 100
150 162.2 126.6 189.8
115 64.0 53.0 79.4



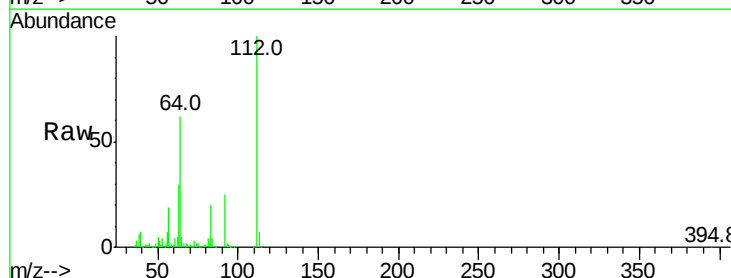
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



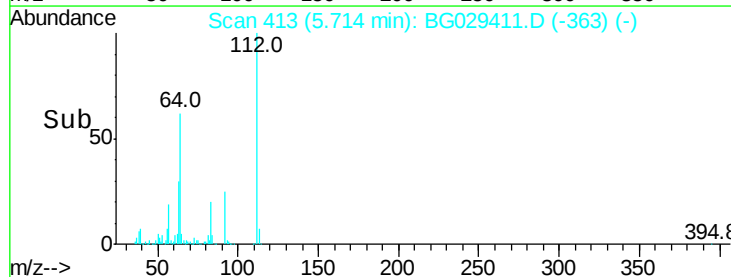
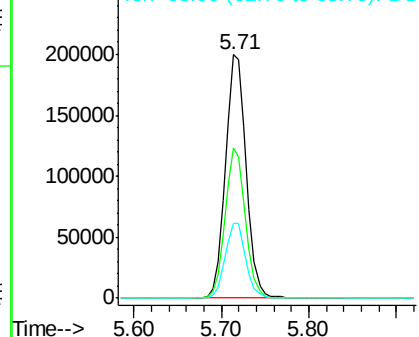
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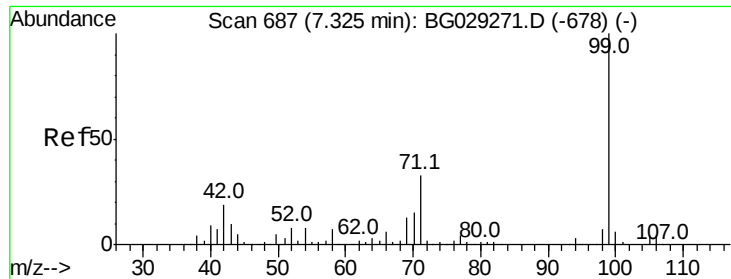
2-Fluorophenol
Concen: 96.025 ng
RT: 5.71 min Scan# 413
Delta R.T. -0.01 min
Lab File: BG029411.D
Acq: 23 Oct 2017 22:51

Tgt Ion:112 Resp: 326469
Ion Ratio Lower Upper
112 100
64 61.5 56.3 84.5
63 30.4 30.1 45.1



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: 92.667 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

Instrument :

BNA_G

ClientSampleId :

NF-SOIL

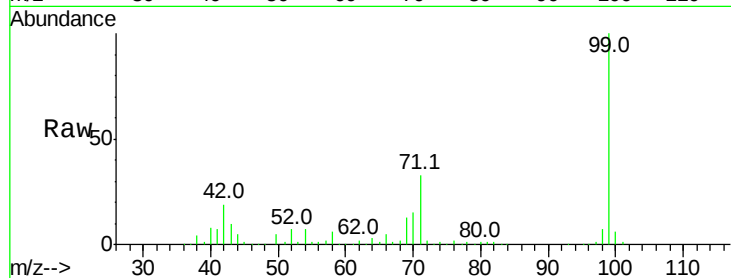
Tot Ion: 99 Resp: 442226

Ion Ratio Lower Upper

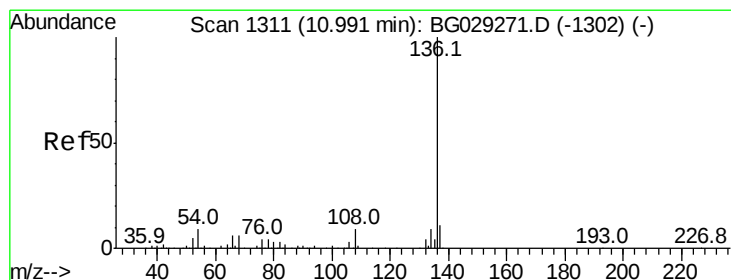
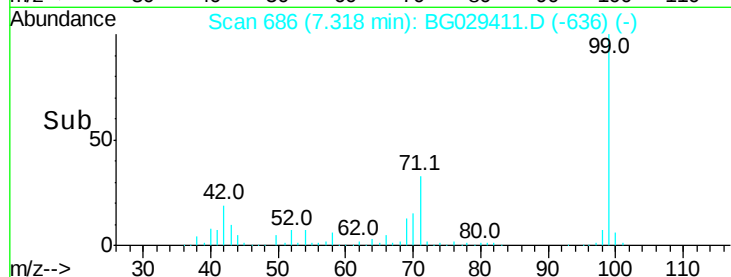
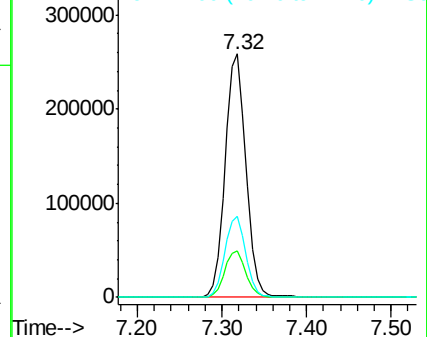
99 100

42 19.1 14.1 21.1

71 33.3 26.1 39.1



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: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

Tgt Ion: 136 Resp: 245740

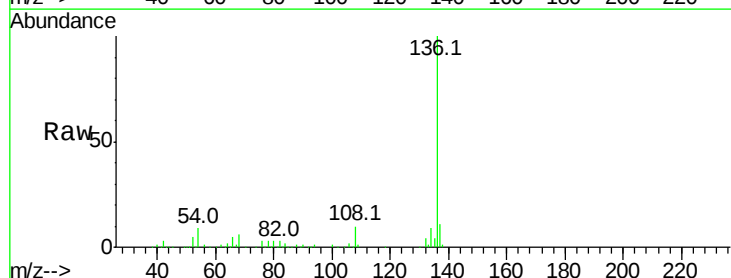
Ion Ratio Lower Upper

136 100

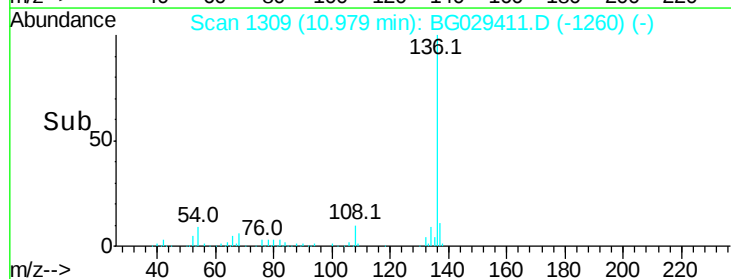
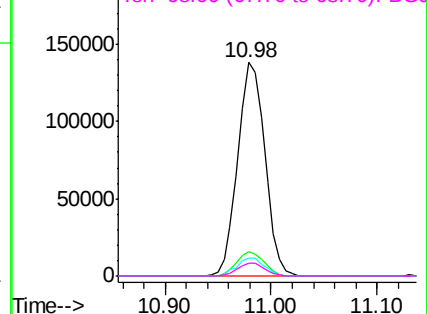
137 11.3 9.2 13.8

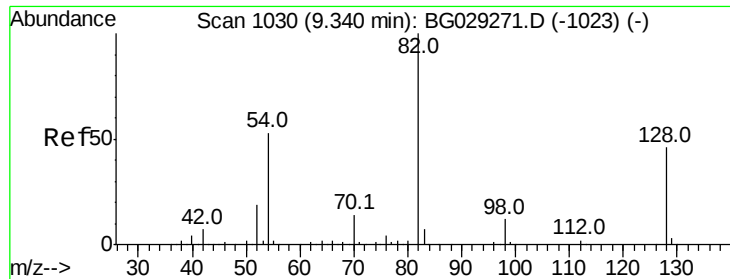
54 8.7 10.3 15.5#

68 5.9 4.5 6.7



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

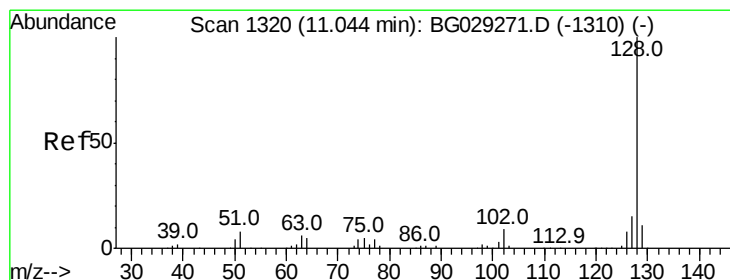
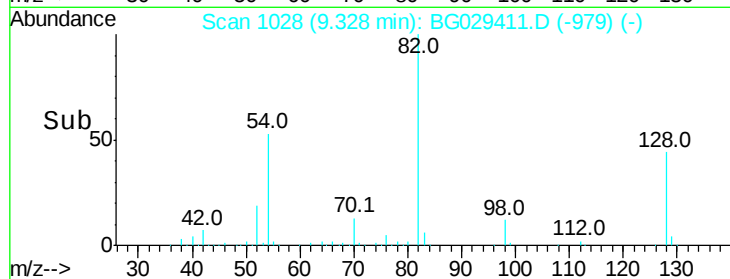
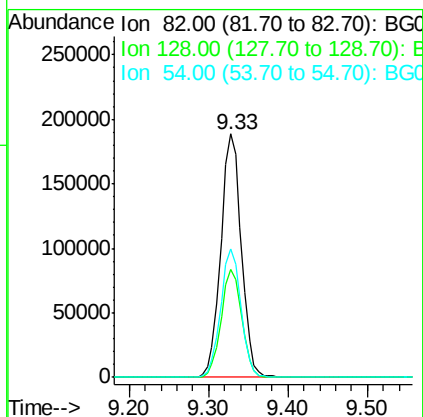
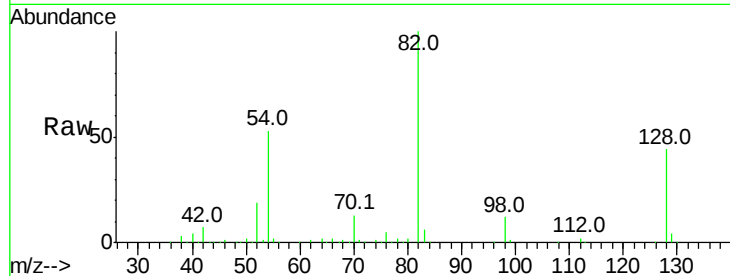




#23
 Nitrobenzene-d5
 Concen: 87.256 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BG029411.D
 Acq: 23 Oct 2017 22:51

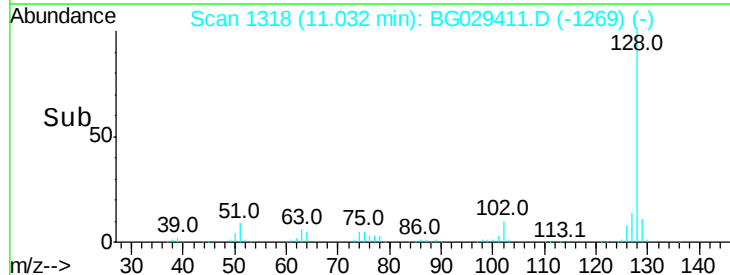
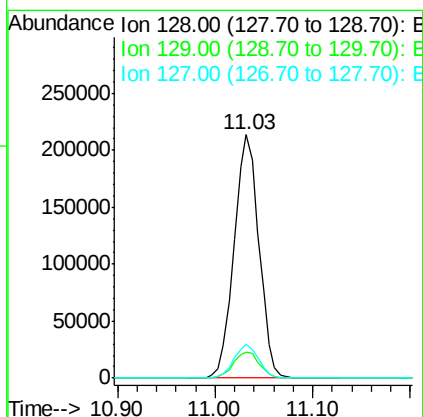
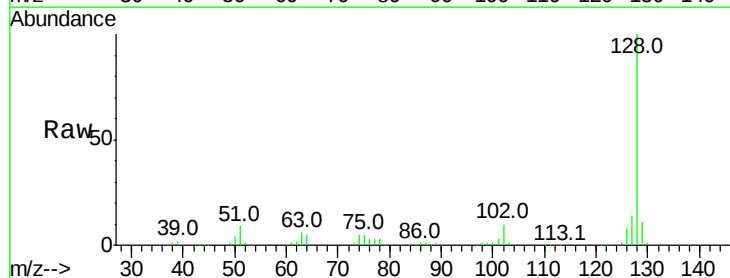
Instrument :
 BNA_G
 ClientSampleId :
 NF-SOIL

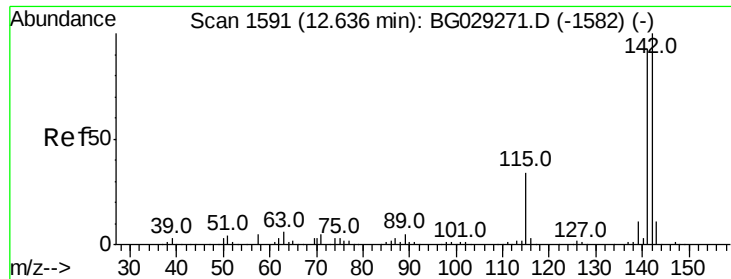
Tot Ion: 82 Resp: 337423
 Ion Ratio Lower Upper
 82 100
 128 44.4 29.7 44.5
 54 52.6 43.1 64.7



#31
 Naphthalene
 Concen: 30.801 ng
 RT: 11.03 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BG029411.D
 Acq: 23 Oct 2017 22:51

Tgt Ion: 128 Resp: 377227
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 12.8
 127 13.8 11.6 17.4

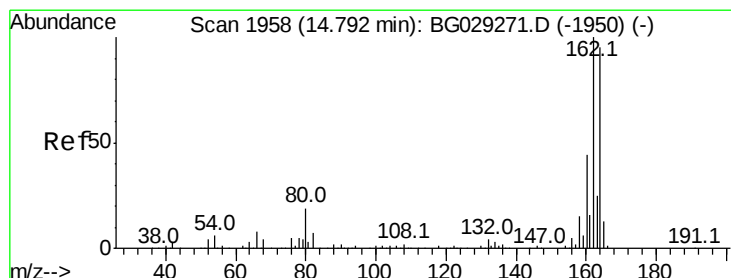
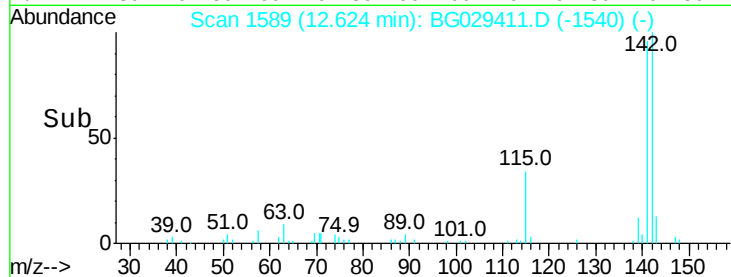
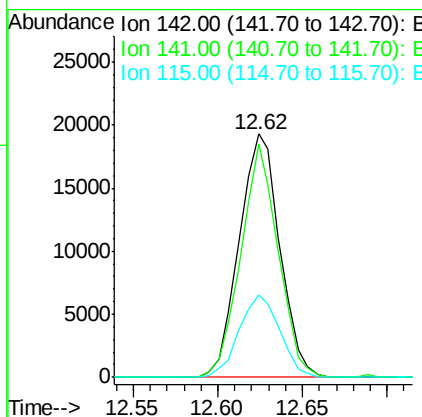
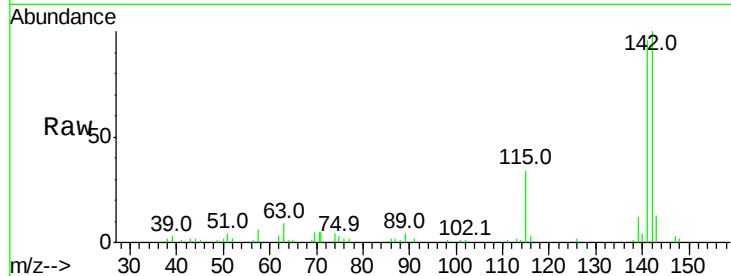




#37
2-Methylnaphthalene
Concen: 3.605 ng
RT: 12.62 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029411.D
Acq: 23 Oct 2017 22:51

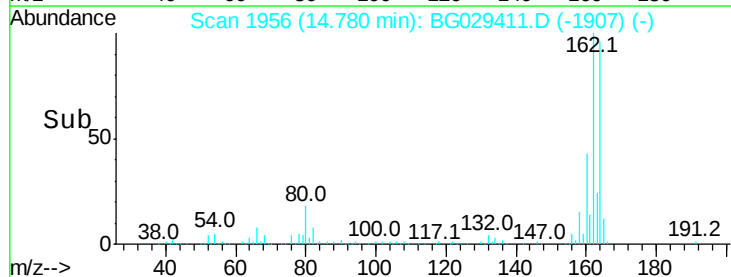
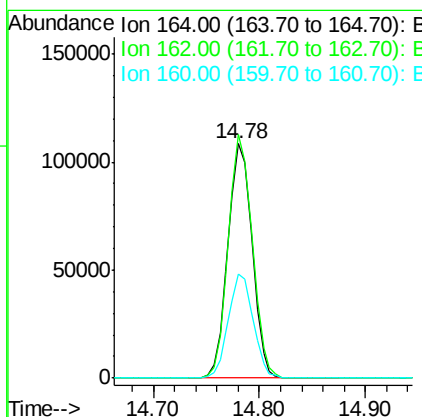
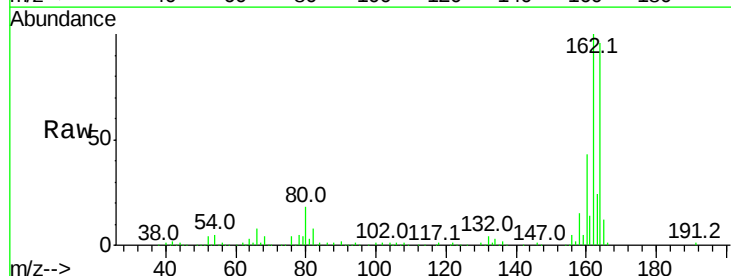
Instrument :
BNA_G
ClientSampleId :
NF-SOIL

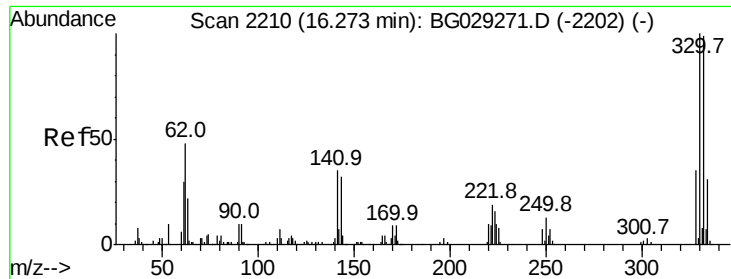
Tot Ion:142 Resp: 32175
Ion Ratio Lower Upper
142 100
141 96.0 67.1 100.7
115 33.8 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG029411.D
Acq: 23 Oct 2017 22:51

Tgt Ion:164 Resp: 171870
Ion Ratio Lower Upper
164 100
162 103.8 78.8 118.2
160 44.4 35.4 53.0

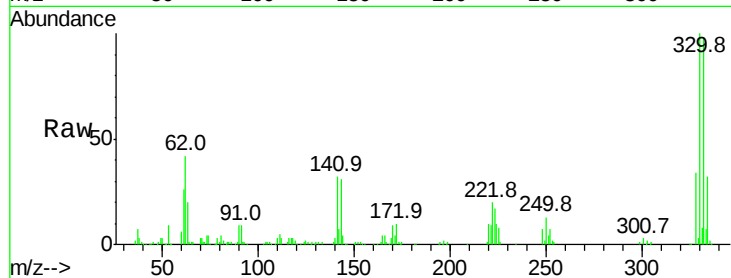




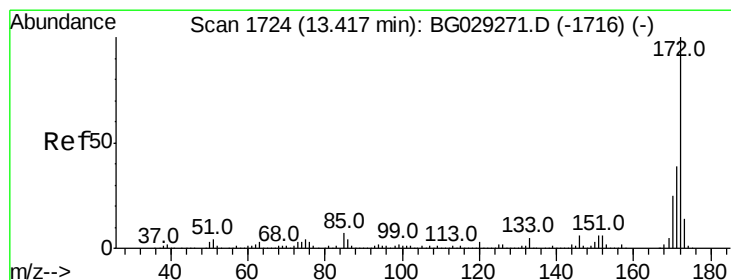
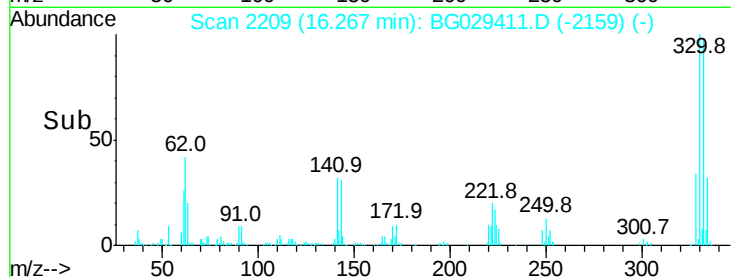
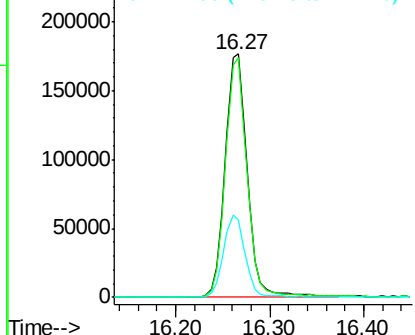
#41
 2,4,6-Tribromophenol
 Concen: 130.788 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG029411.D
 Acq: 23 Oct 2017 22:51

Instrument :
 BNA_G
 ClientSampleId :
 NF-SOIL

Tot Ion:330 Resp: 290220
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 33.3 25.2 37.8

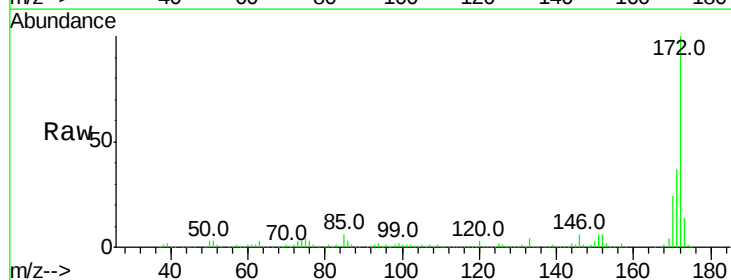


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

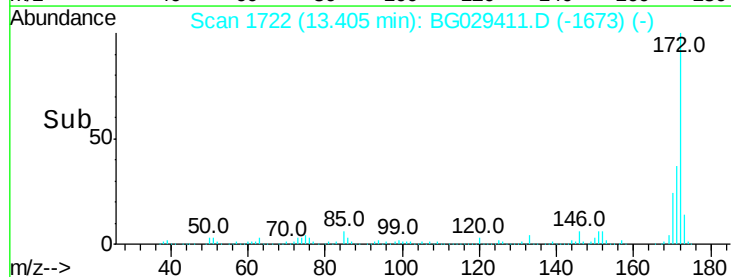
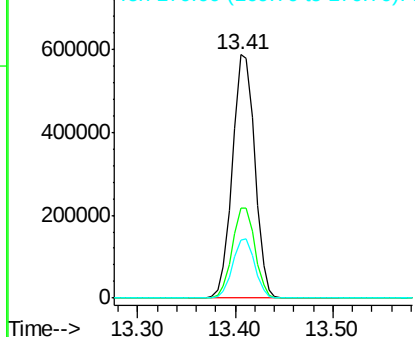


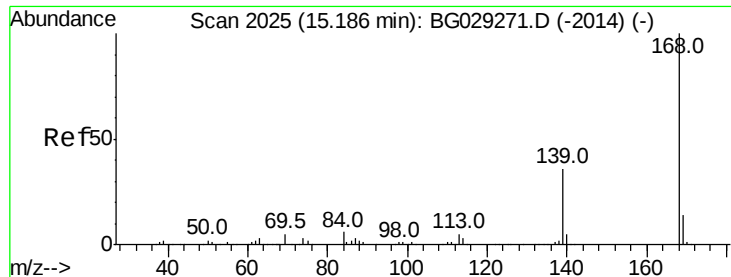
#44
 2-Fluorobiphenyl
 Concen: 80.093 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG029411.D
 Acq: 23 Oct 2017 22:51

Tgt Ion:172 Resp: 938568
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 23.8 19.5 29.3



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





#54

Dibenzenofuran

Concen: 2.171 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

Instrument :

BNA_G

ClientSampleId :

NF-SOIL

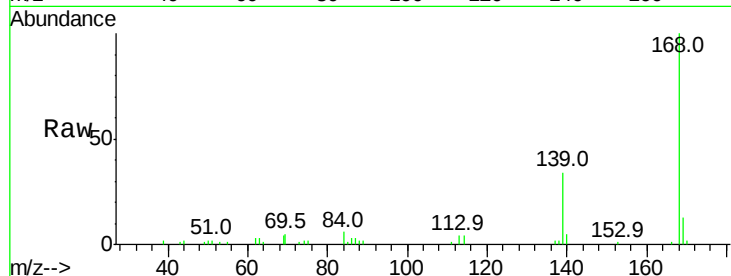
Tot Ion:168 Resp: 34012

Ion Ratio Lower Upper

168 100

139 34.3 28.6 43.0

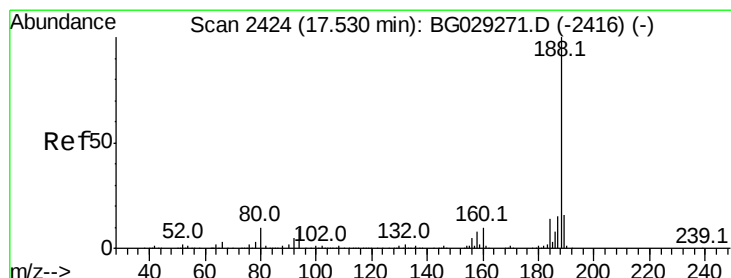
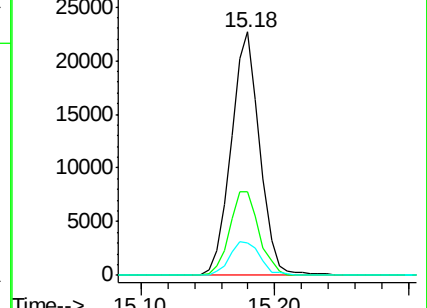
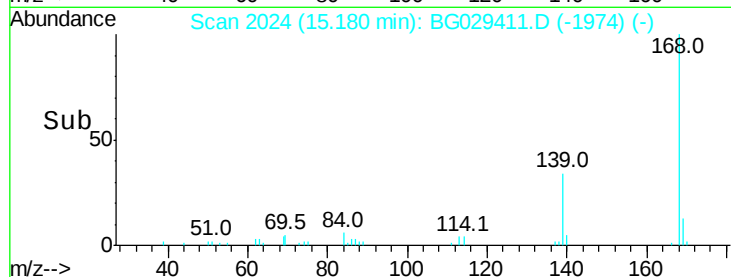
169 13.4 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

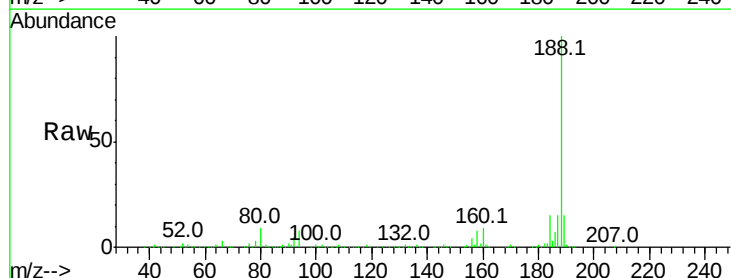
Tgt Ion:188 Resp: 457421

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

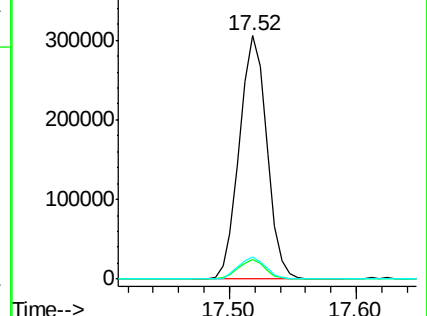
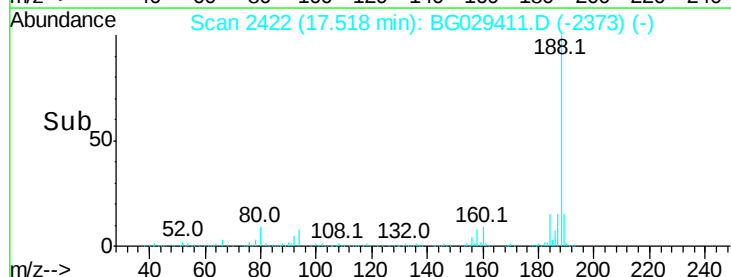
80 9.2 7.7 11.5

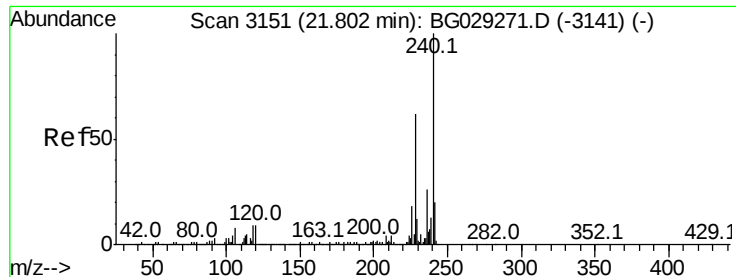


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

Instrument :

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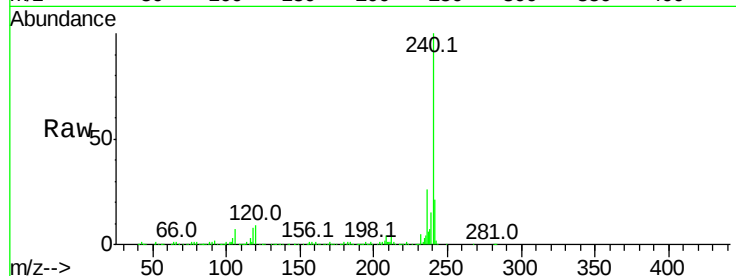
Tot Ion:240 Resp: 514455

Ion Ratio Lower Upper

240 100

120 8.8 6.8 10.2

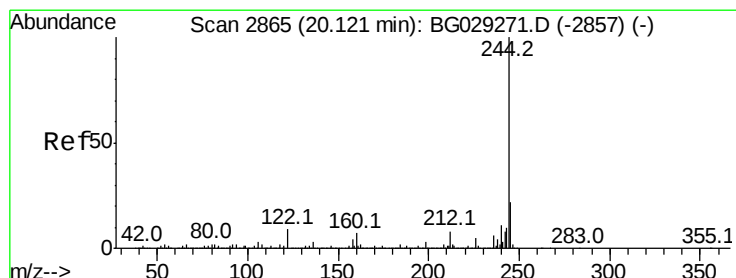
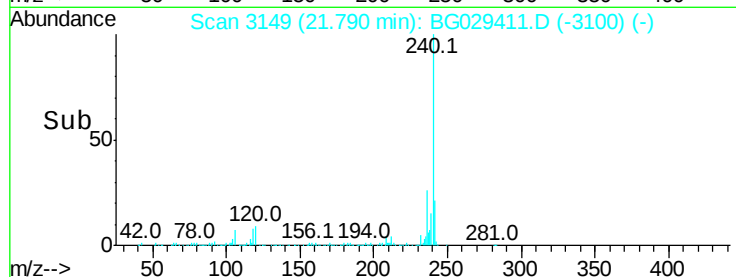
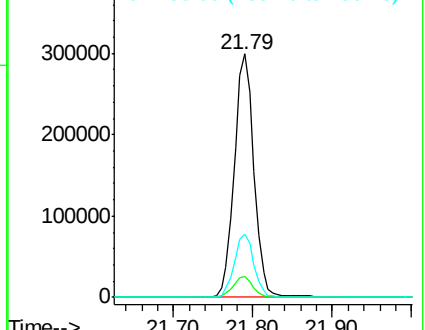
236 26.0 20.9 31.3



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: 77.954 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029411.D

Acq: 23 Oct 2017 22:51

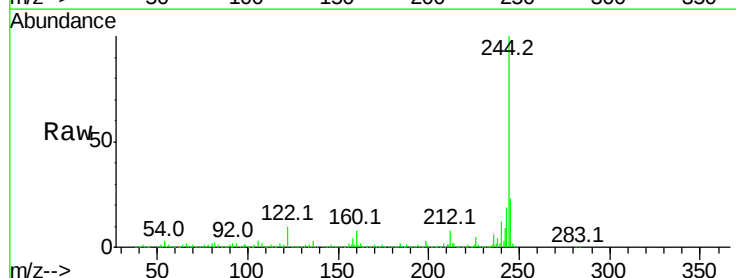
Tgt Ion:244 Resp: 1762868

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

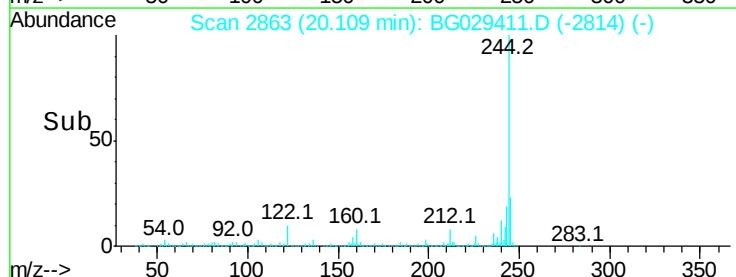
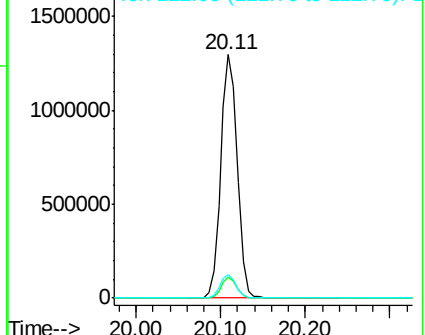
122 9.7 7.0 10.4

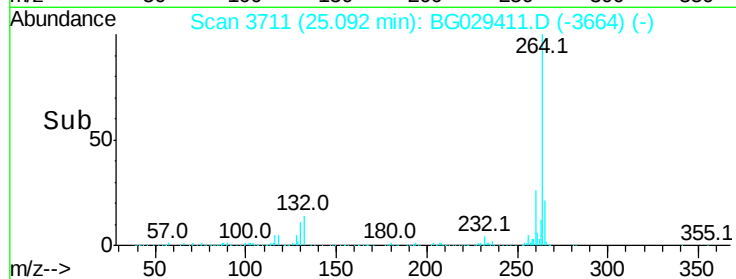
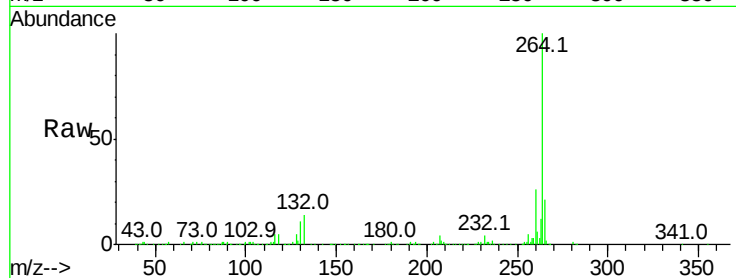
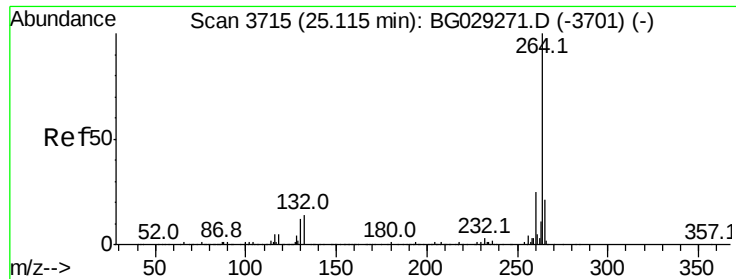


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.09 min Scan# 3711
 Delta R.T. -0.02 min
 Lab File: BG029411.D
 Acq: 23 Oct 2017 22:51

Instrument :
 BNA_G
 ClientSampleId :
 NF-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	17.4	26.0
265	21.5	17.7	26.5

