

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029010.D
 Acq On : 3 Oct 2017 18:03
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 05 01:33:26 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

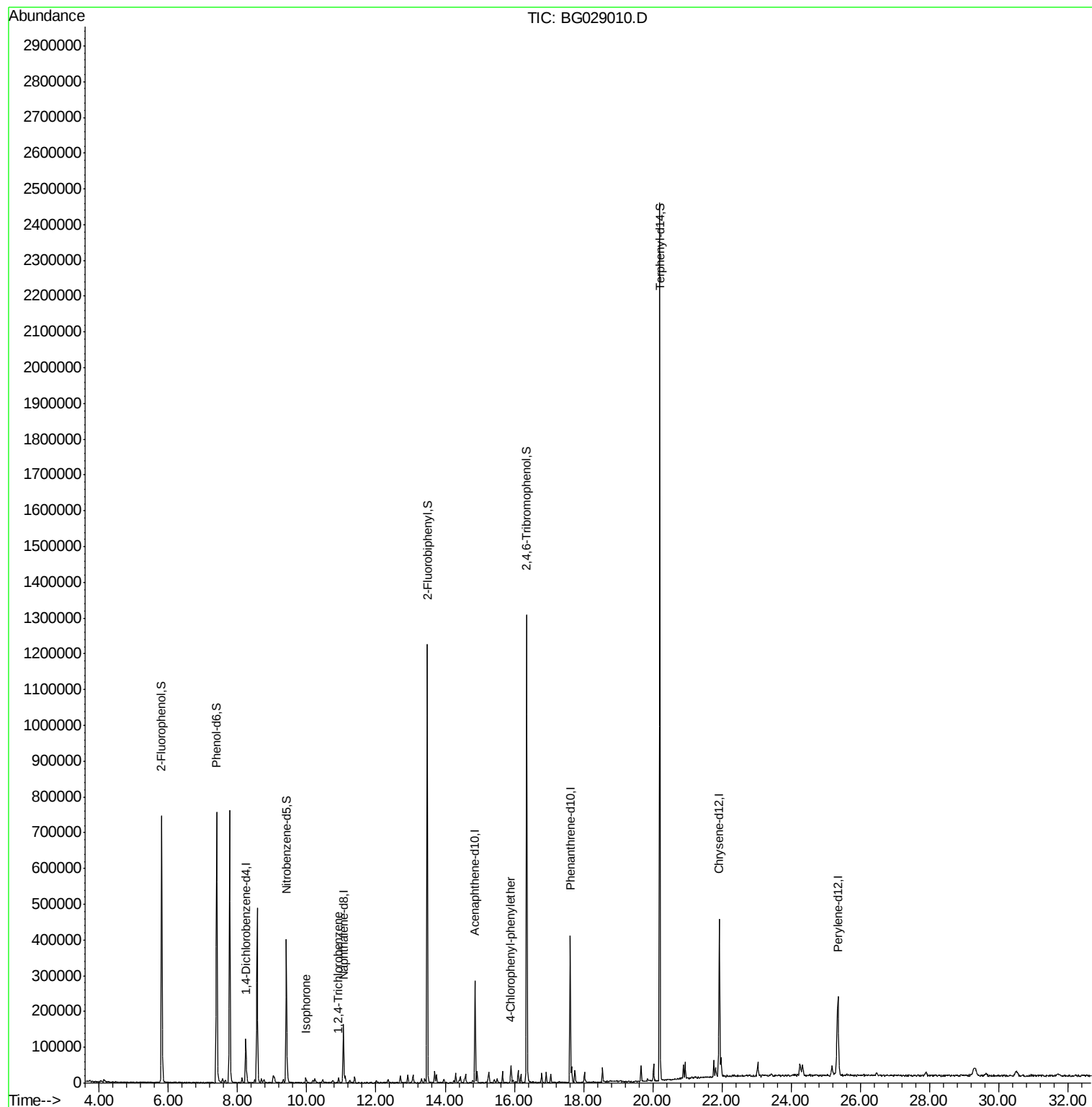
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	34396	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	137047	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	100450	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	256010	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	291096	20.00	ng	-0.11
86) Perylene-d12	25.35	264	279166	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	336211	161.29	ng	-0.10
7) Phenol-d6	7.40	99	450889	143.66	ng	-0.09
23) Nitrobenzene-d5	9.41	82	249290	87.02	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	268252	161.46	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	646736	85.85	ng	-0.08
78) Terphenyl-d14	20.20	244	1093092	80.08	ng	-0.08
Target Compounds						
25) Isophorone	9.98	82	11714	2.021	ng	# 91
30) 1,2,4-Trichlorobenzene	10.92	180	5892	2.103	ng	# 96
60) 4-Chlorophenyl-phenylether	15.89	204	9607	2.013	ng	# 88

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

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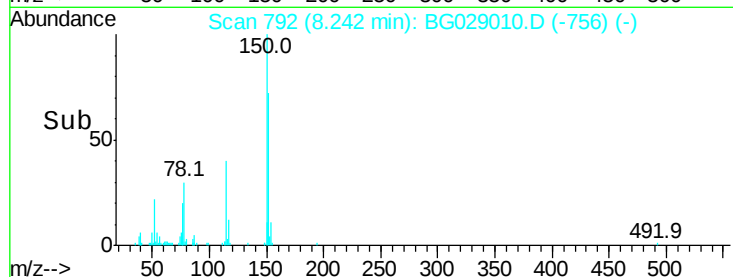
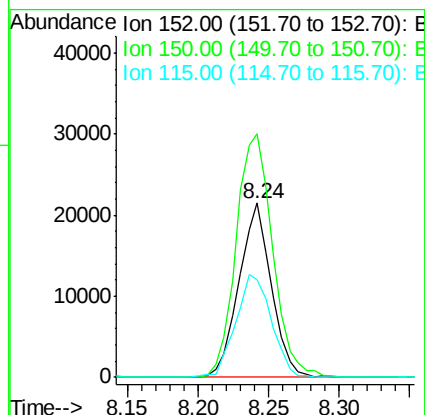
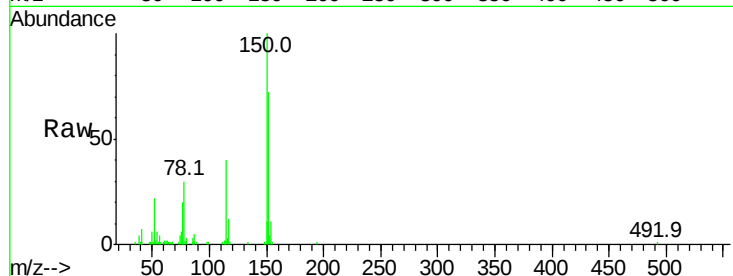


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.24 min Scan# 792
Delta R.T. -0.09 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

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BNA_G
ClientSampleId :
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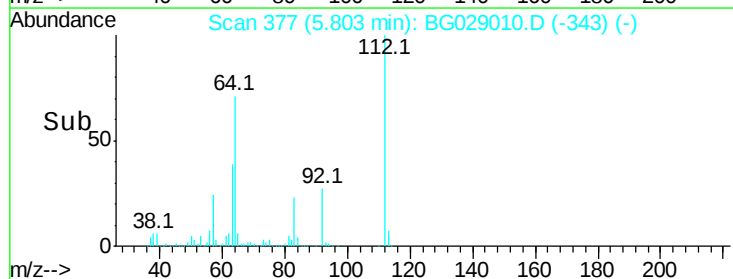
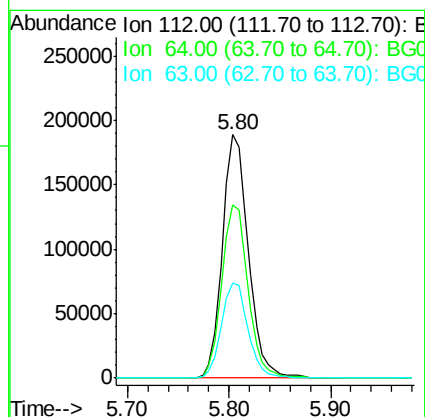
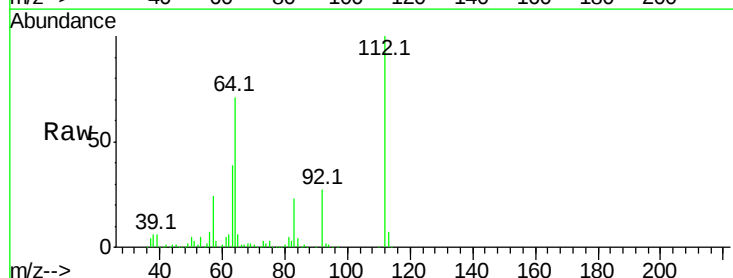
Tot Ion	Ratio	Lower	Upper
152	100		
150	139.8	114.0	171.0
115	56.0	48.1	72.1

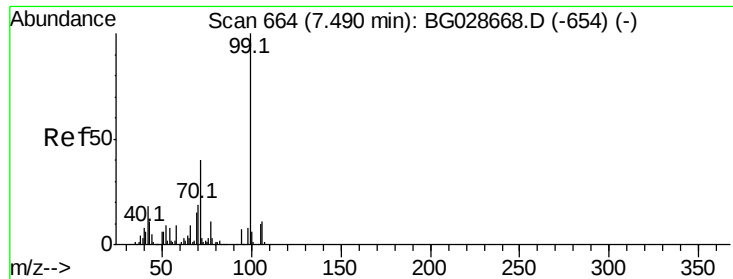


#5

2-Fluorophenol
Concen: 161.288 ng
RT: 5.80 min Scan# 377
Delta R.T. -0.10 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	61.8	92.6
63	39.3	37.2	55.8





#7

Phenol-d6

Concen: 143.662 ng

RT: 7.40 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029010.D

Acq: 3 Oct 2017 18:03

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

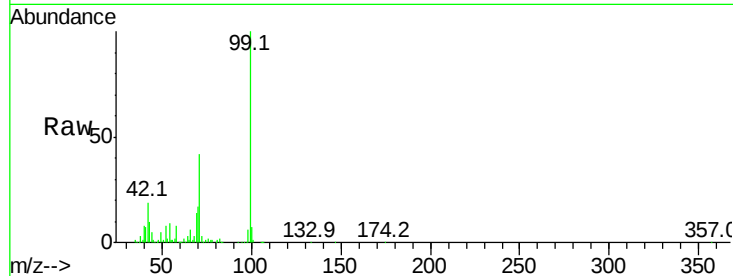
Tot Ion: 99 Resp: 450889

Ion Ratio Lower Upper

99 100

42 19.0 20.5 30.7#

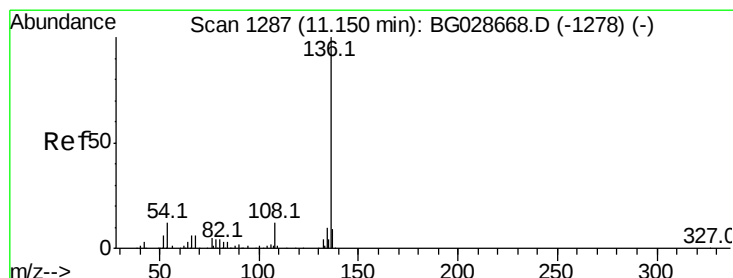
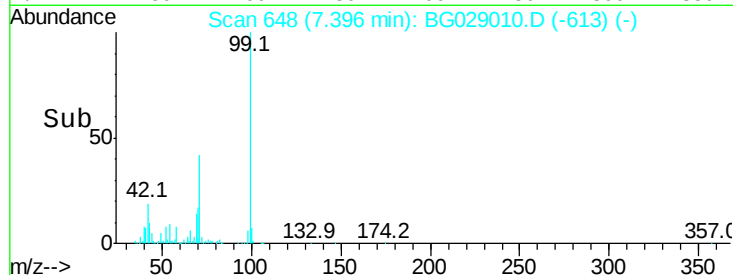
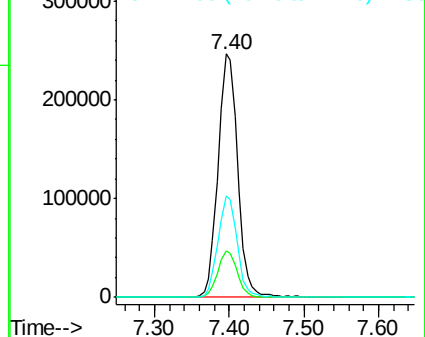
71 41.8 37.6 56.4



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# 1271

Delta R.T. -0.09 min

Lab File: BG029010.D

Acq: 3 Oct 2017 18:03

Tgt Ion: 136 Resp: 137047

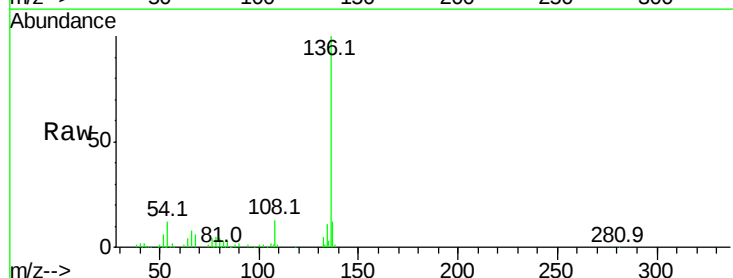
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 12.1 9.3 13.9

68 5.6 5.1 7.7

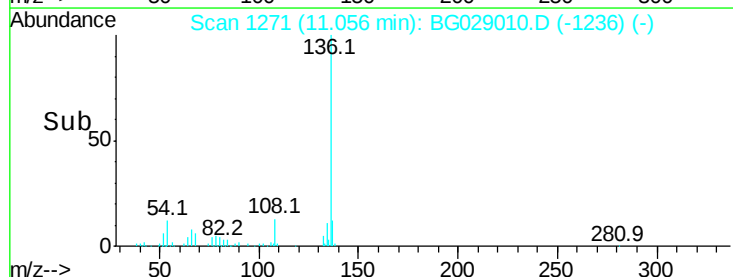
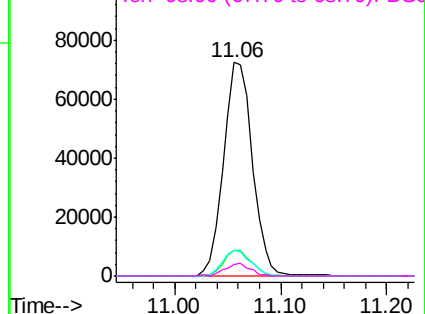


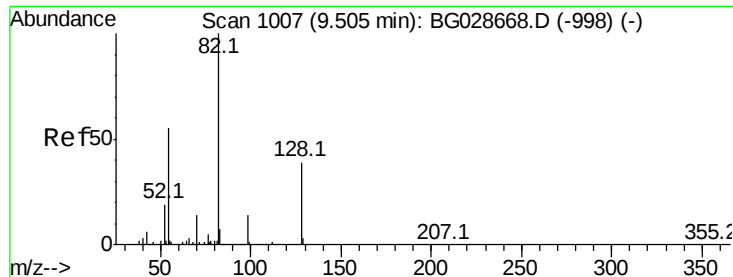
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

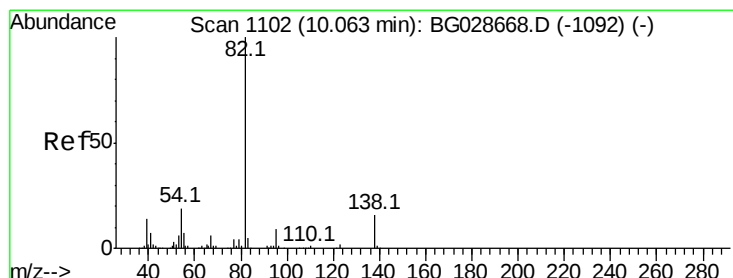
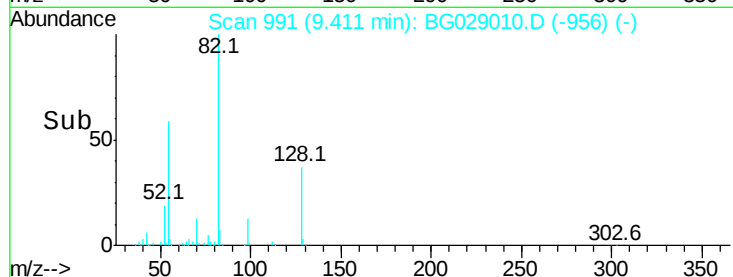
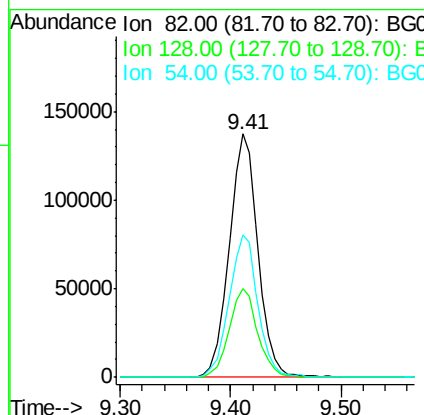
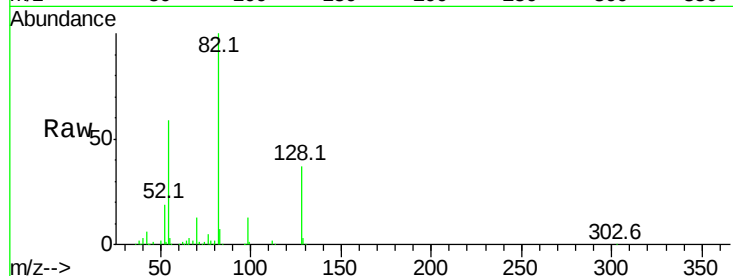




#23
Nitrobenzene-d5
Concen: 87.017 ng
RT: 9.41 min Scan# 991
Delta R.T. -0.09 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

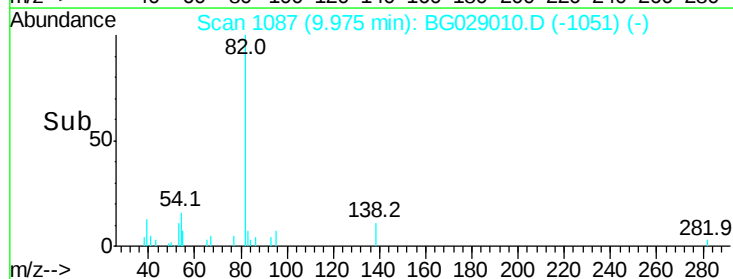
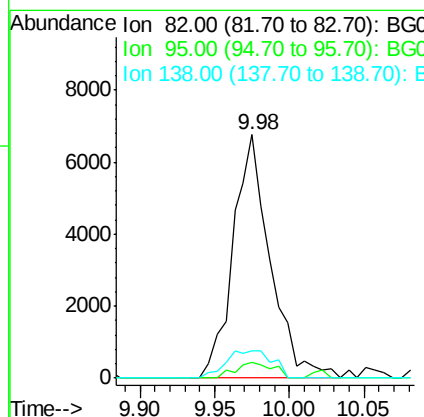
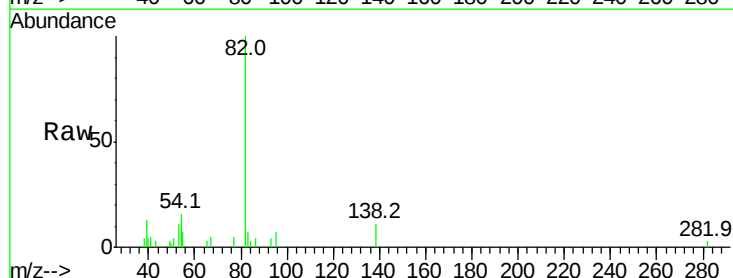
Instrument :
BNA_G
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LOD-SOIL-01-QT4-2017

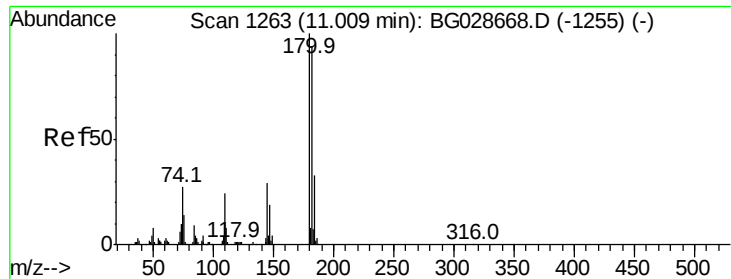
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	26.4	39.6
54	58.6	49.4	74.2



#25
Isophorone
Concen: 2.021 ng
RT: 9.98 min Scan# 1087
Delta R.T. -0.09 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.6	7.5	11.3#
138	11.4	12.3	18.5#

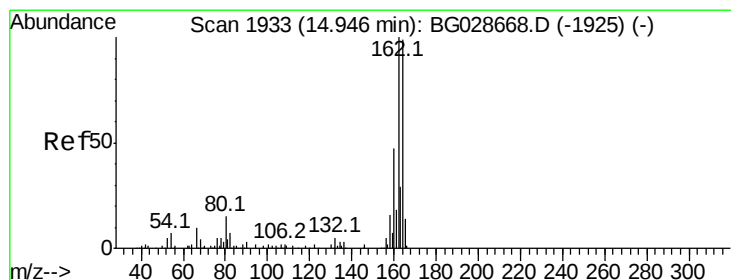
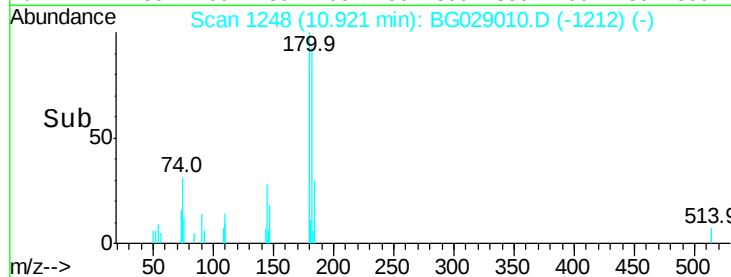
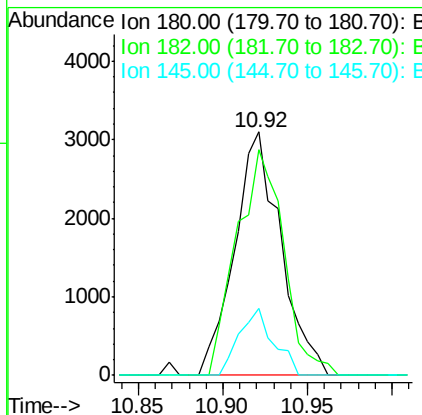
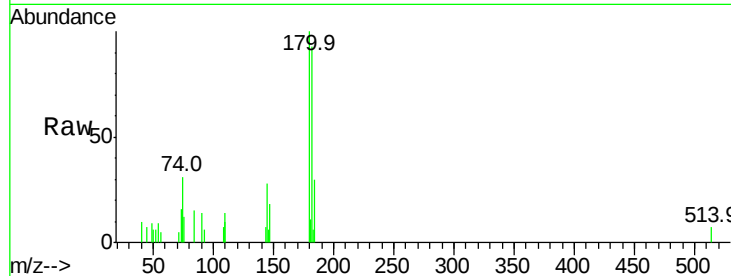




#30
 1,2,4-Trichlorobenzene
 Concen: 2.103 ng
 RT: 10.92 min Scan# 1248
 Delta R.T. -0.09 min
 Lab File: BG029010.D
 Acq: 3 Oct 2017 18:03

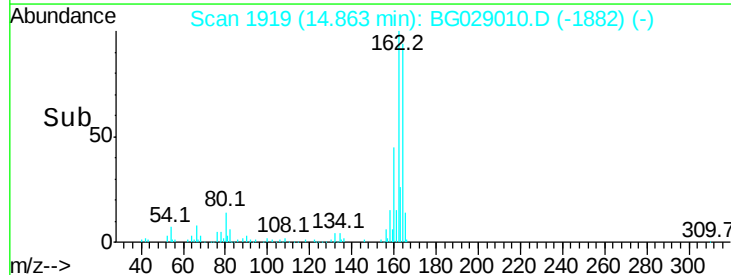
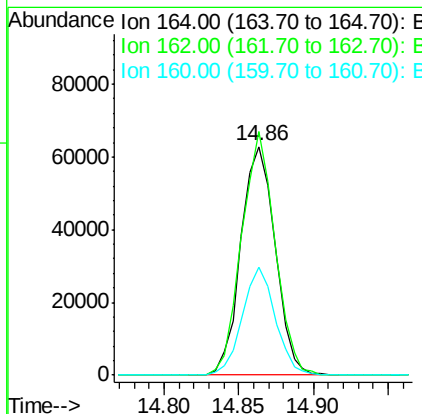
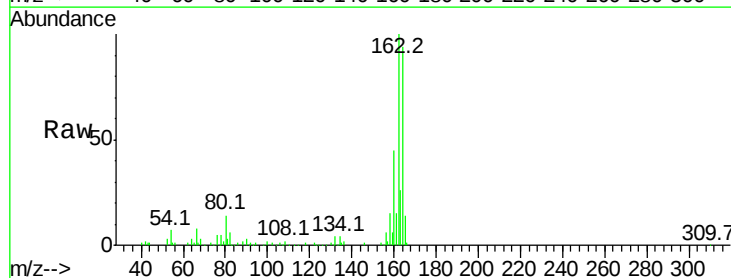
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

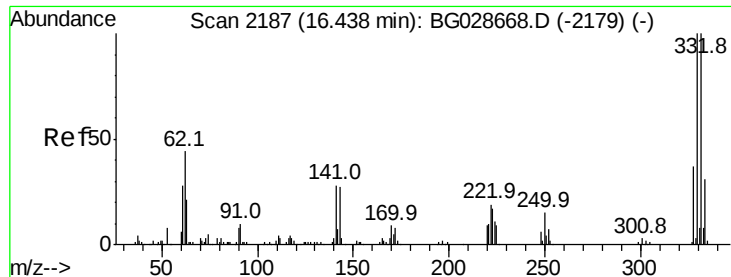
Tot Ion:180 Resp: 5892
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.0 115.4
 145 27.6 23.4 35.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1919
 Delta R.T. -0.08 min
 Lab File: BG029010.D
 Acq: 3 Oct 2017 18:03

Tgt Ion:164 Resp: 100450
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.1 127.7
 160 47.5 34.7 52.1

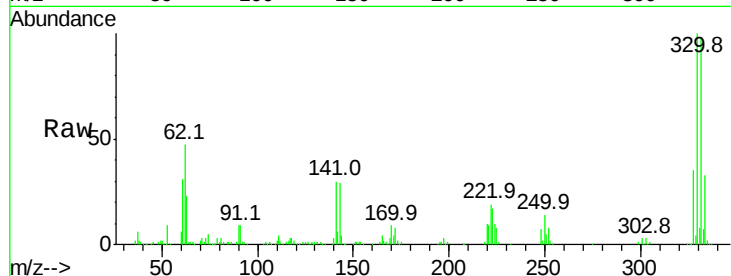




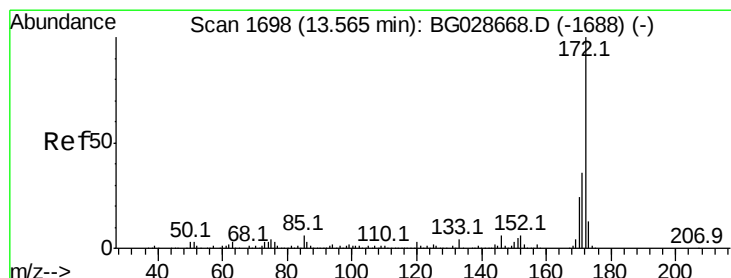
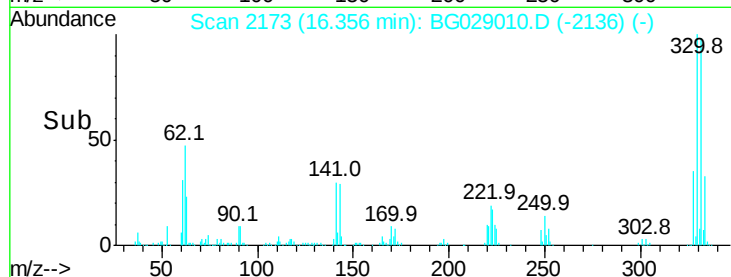
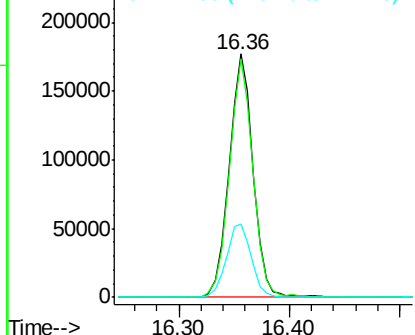
#41
 2,4,6-Tribromophenol
 Concen: 161.463 ng
 RT: 16.36 min Scan# 2173
 Delta R.T. -0.08 min
 Lab File: BG029010.D
 Acq: 3 Oct 2017 18:03

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

Tot Ion:330 Resp: 268252
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 31.3 32.1 48.1#

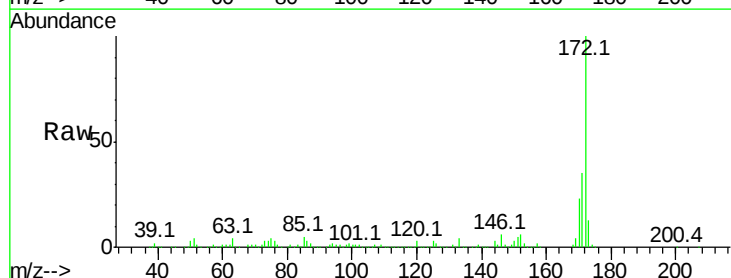


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

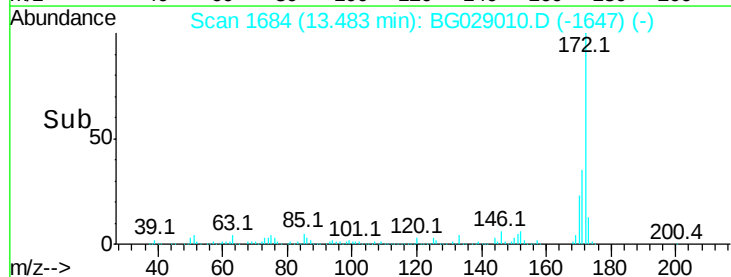
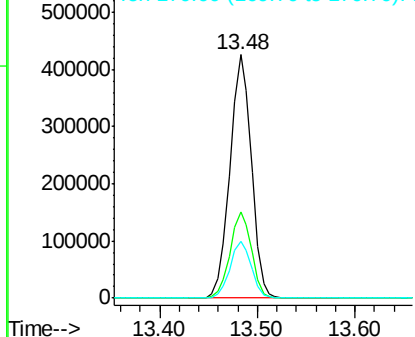


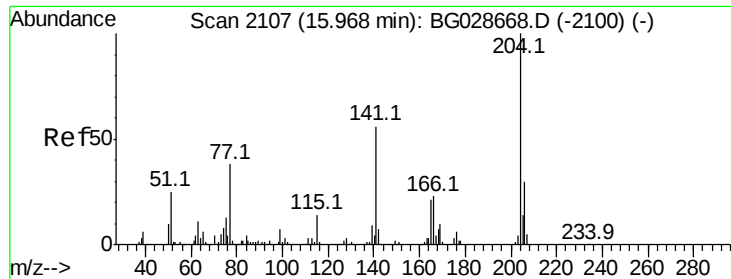
#44
 2-Fluorobiphenyl
 Concen: 85.851 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029010.D
 Acq: 3 Oct 2017 18:03

Tgt Ion:172 Resp: 646736
 Ion Ratio Lower Upper
 172 100
 171 35.3 32.2 48.2
 170 23.4 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

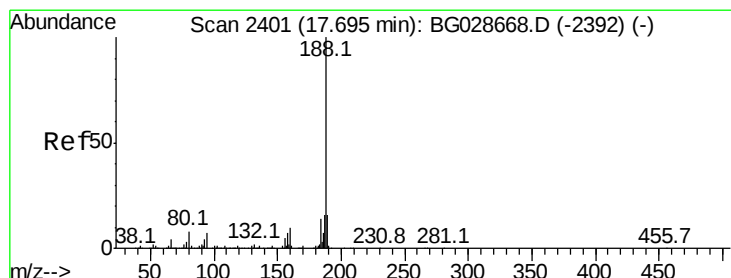
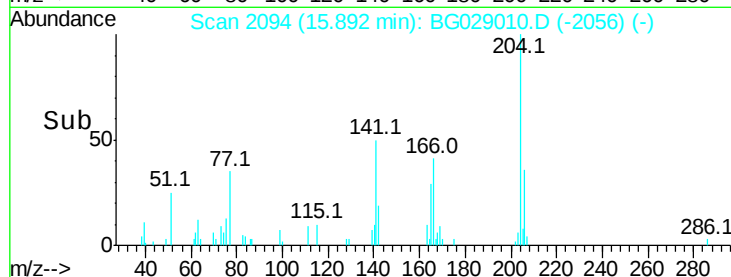
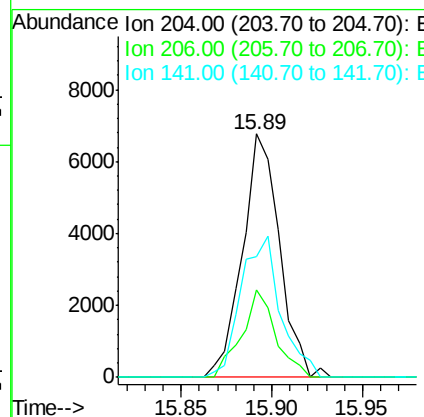
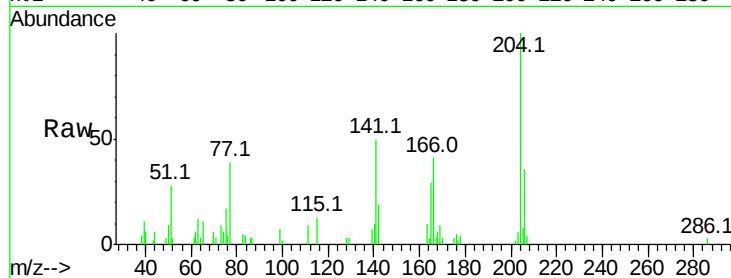




#60
4-Chlorophenyl-phenylether
Concen: 2.013 ng
RT: 15.89 min Scan# 2094
Delta R.T. -0.08 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

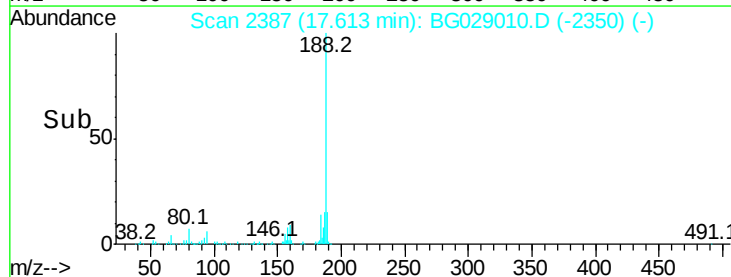
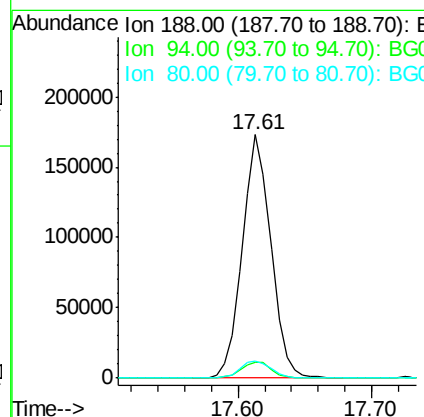
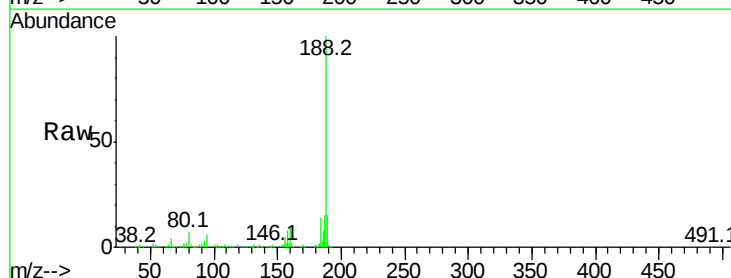
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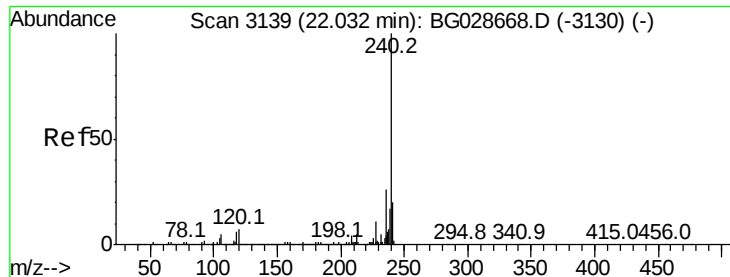
Tot Ion:204 Resp: 9607
Ion Ratio Lower Upper
204 100
206 35.7 30.1 45.1
141 49.8 50.6 76.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.61 min Scan# 2387
Delta R.T. -0.08 min
Lab File: BG029010.D
Acq: 3 Oct 2017 18:03

Tgt Ion:188 Resp: 256010
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.8
80 7.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.93 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029010.D

Acq: 3 Oct 2017 18:03

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

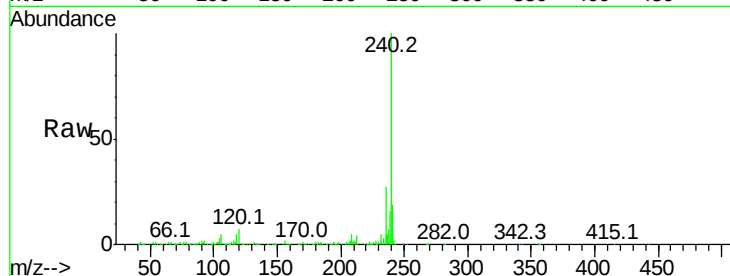
Tot Ion:240 Resp: 291096

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.7	8.5
236	26.8	22.2	33.4

240 100

120 7.3 5.7 8.5

236 26.8 22.2 33.4



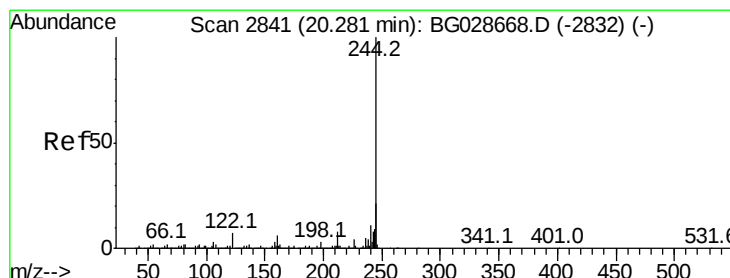
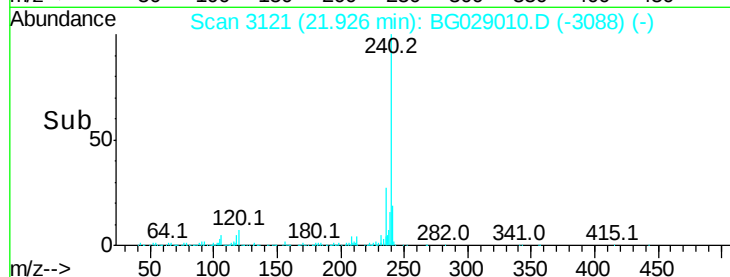
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.93

Time-->



#78

Terphenyl-d14

Concen: 80.080 ng

RT: 20.20 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029010.D

Acq: 3 Oct 2017 18:03

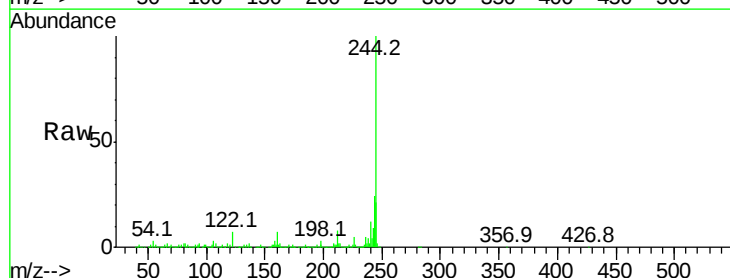
Tgt Ion:244 Resp: 1093092

Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	6.9	8.6	12.8#

244 100

212 8.0 10.0 15.0#

122 6.9 8.6 12.8#



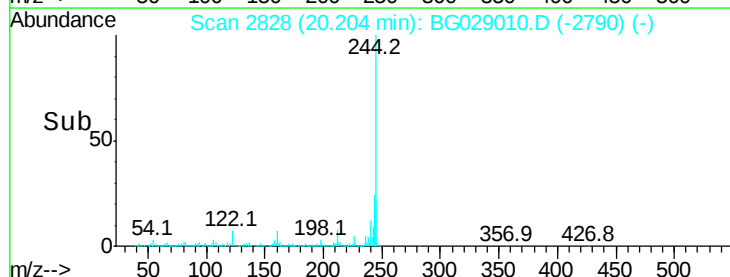
Abundance Ion 244.00 (243.70 to 244.70): E

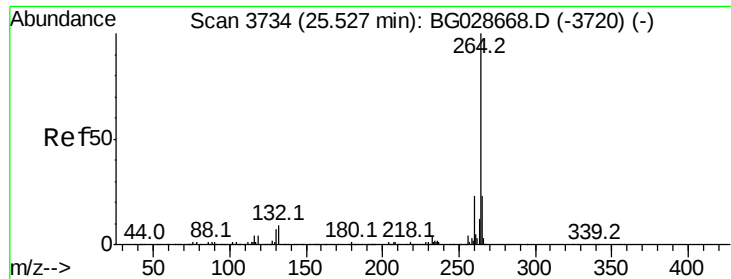
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.20

Time-->





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.35 min Scan# 3704
 Delta R.T. -0.18 min
 Lab File: BG029010.D
 Acq: 3 Oct 2017 18:03

Instrument :
 BNA_G
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Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.8	32.8
265	21.4	18.2	27.4

