

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036153.D
 Acq On : 7 Aug 2018 8:32
 Operator : JU/SJ
 Sample : J4333-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Quant Time: Aug 07 10:44:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

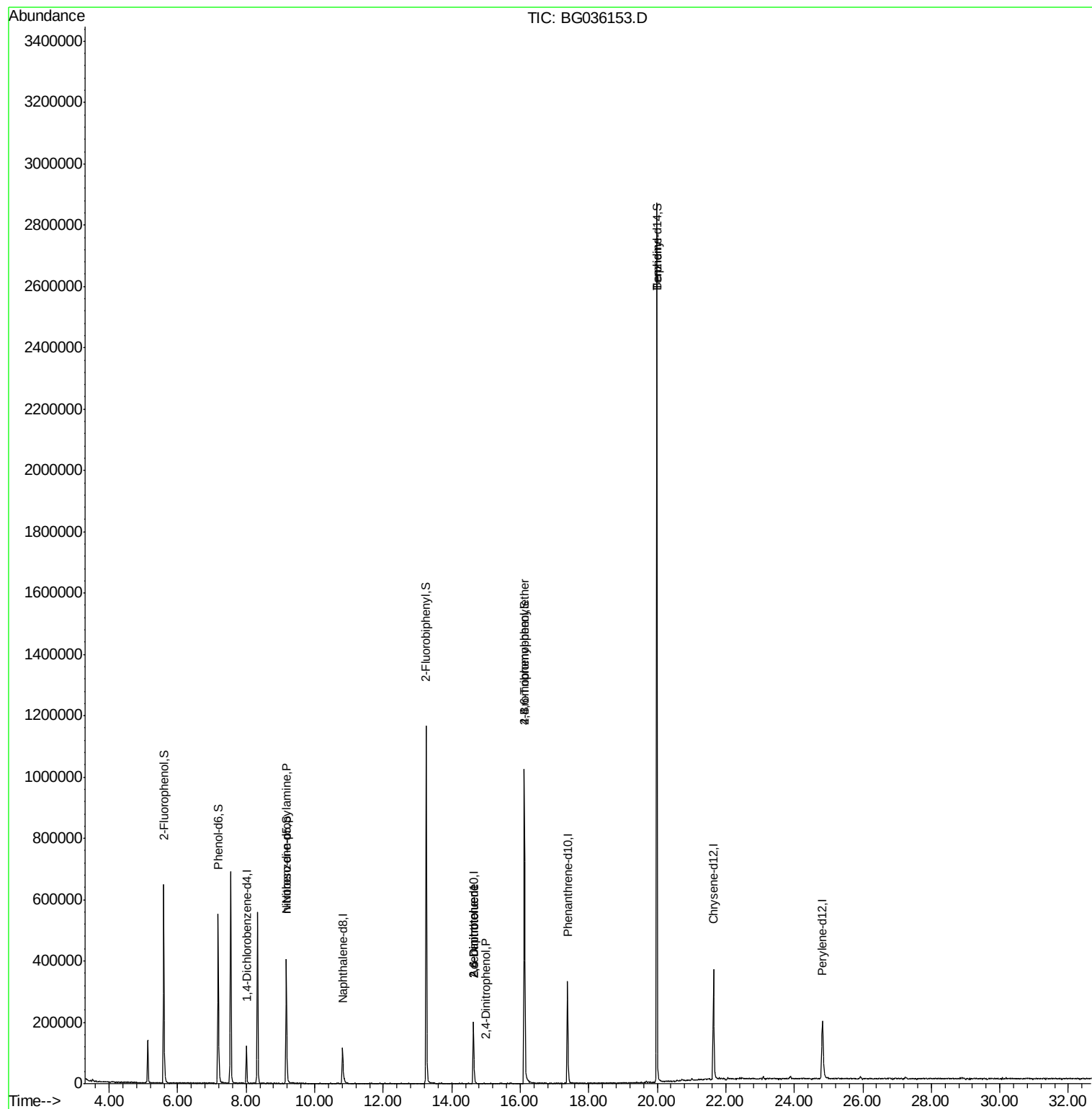
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	34712	20.00	ng	-0.02
21) Naphthalene-d8	10.82	136	119192	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	79002	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	247942	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	268609	20.00	ng	-0.02
86) Perylene-d12	24.83	264	251354	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	280914	134.36	ng	-0.01
7) Phenol-d6	7.19	99	354409	113.61	ng	-0.01
23) Nitrobenzene-d5	9.17	82	299373	104.93	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	214656	206.14	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	664580	112.70	ng	-0.02
78) Terphenyl-d14	19.99	244	1385953	113.74	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	40944	15.587	ng	# 67
50) 2,6-Dinitrotoluene	14.63	165	10766	7.638	ng	# 22
53) 2,4-Dinitrophenol	15.00	184	78	6.681	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	10766	5.324	ng	# 20
66) 4-Bromophenyl-phenylether	16.12	248	18017	6.263	ng	# 1
76) Benzidine	19.99	184	24860	3.520	ng	# 89

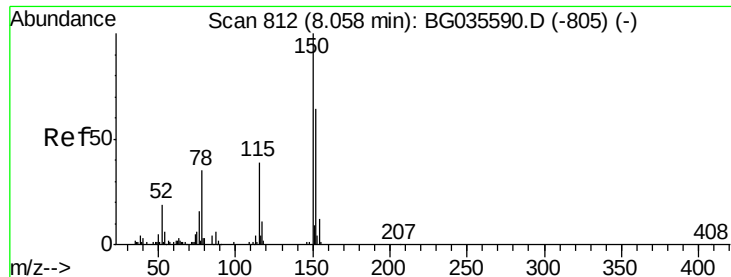
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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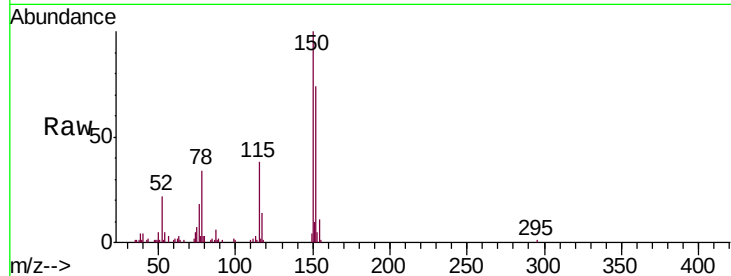


#1

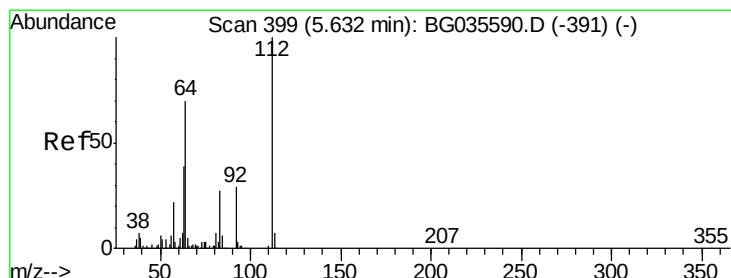
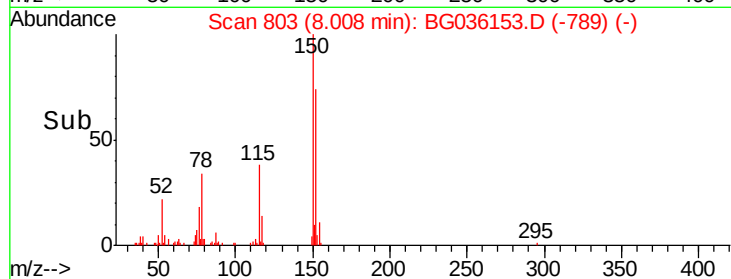
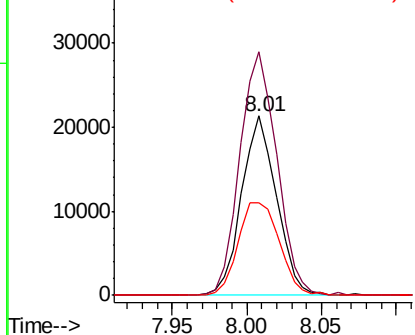
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036153.D
Acq: 7 Aug 2018 8:32

Instrument :
BNA_G
ClientSampleId :
SOIL-2

Tgt Ion:152 Resp: 34712
Ion Ratio Lower Upper
152 100
150 135.8 126.6 189.8
115 51.4 53.0 79.4#



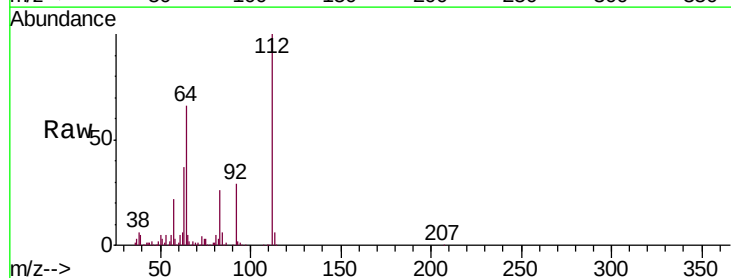
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



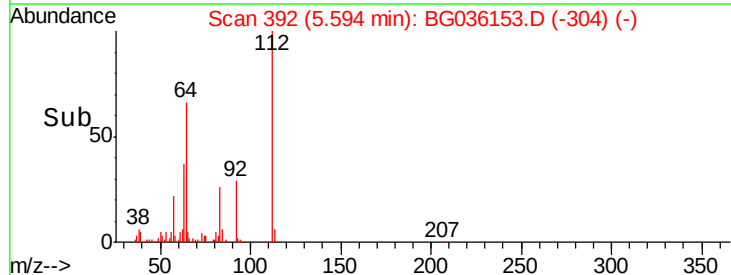
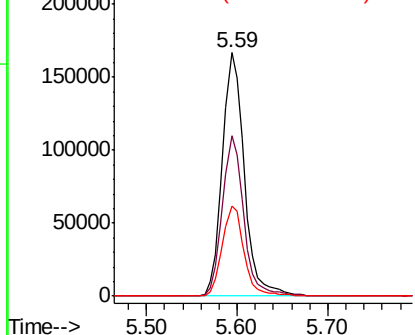
#5

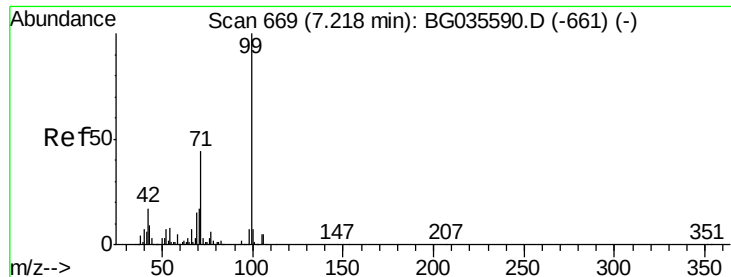
2-Fluorophenol
Concen: 134.358 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036153.D
Acq: 7 Aug 2018 8:32

Tgt Ion:112 Resp: 280914
Ion Ratio Lower Upper
112 100
64 66.0 56.3 84.5
63 37.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.613 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

Instrument :

BNA_G

ClientSampleId :

SOIL-2

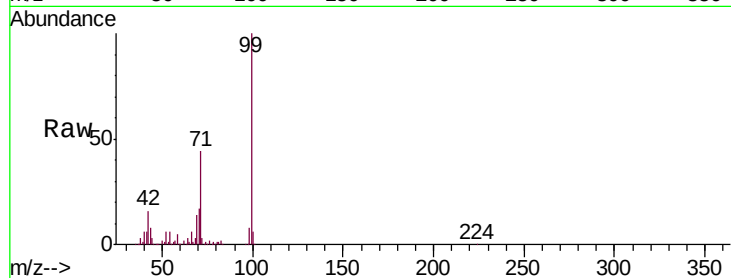
Tgt Ion: 99 Resp: 354409

Ion Ratio Lower Upper

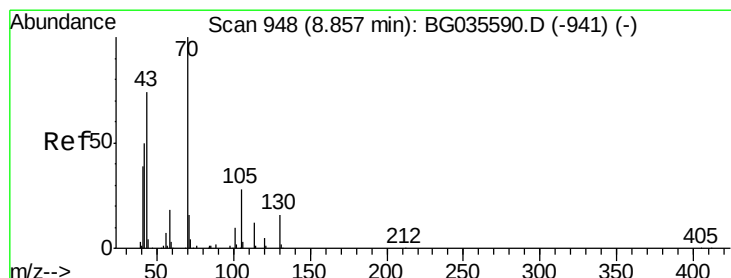
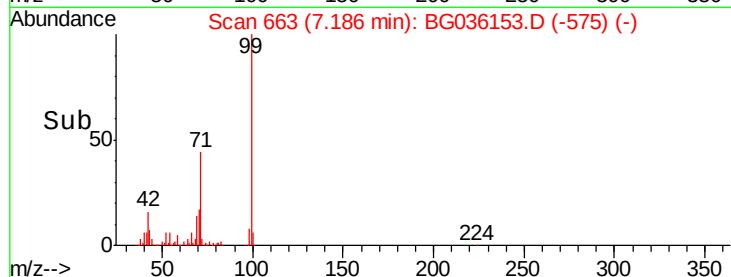
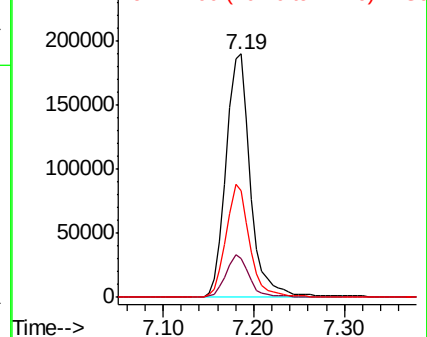
99 100

42 15.8 14.1 21.1

71 43.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.587 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

Tgt Ion: 70 Resp: 40944

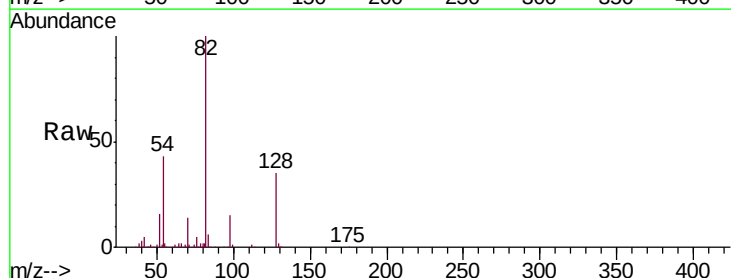
Ion Ratio Lower Upper

70 100

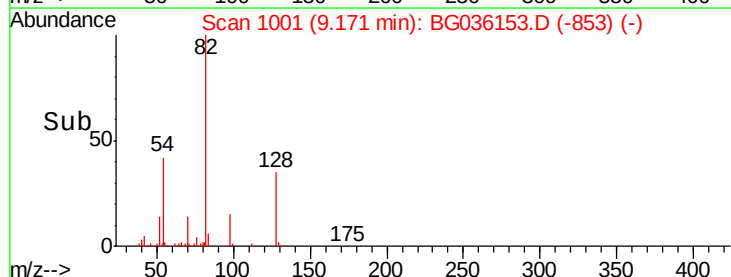
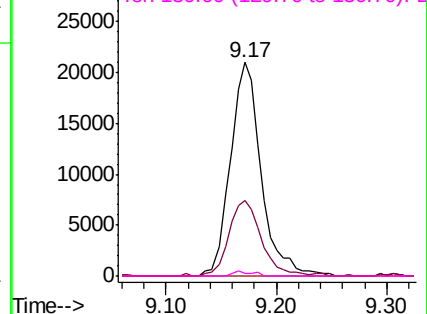
42 35.6 49.1 73.7#

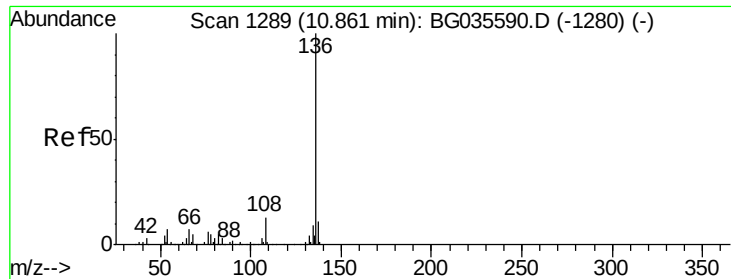
101 0.0 8.5 12.7#

130 1.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

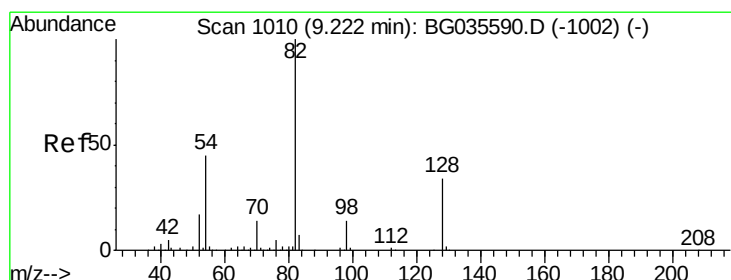
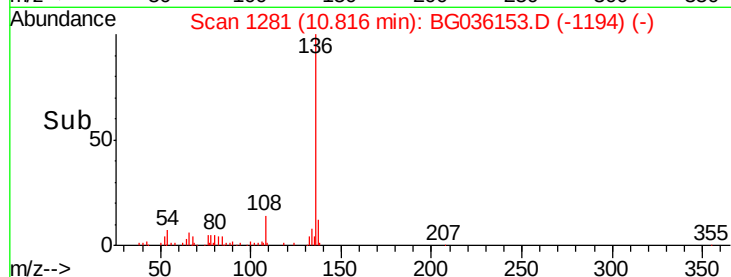
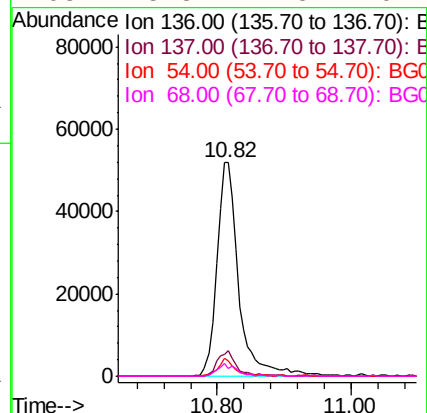
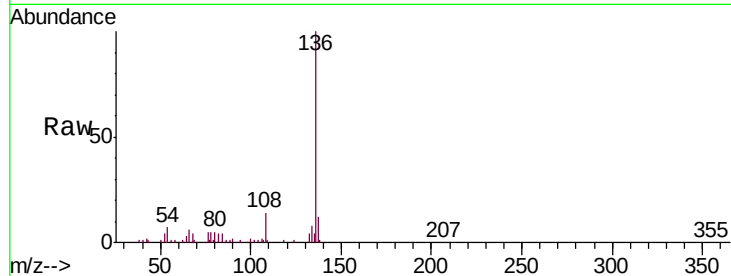




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036153.D
Acq: 7 Aug 2018 8:32

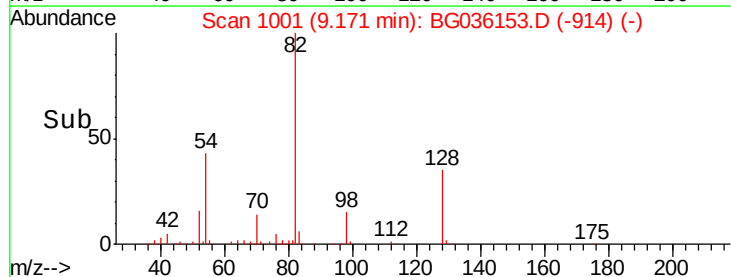
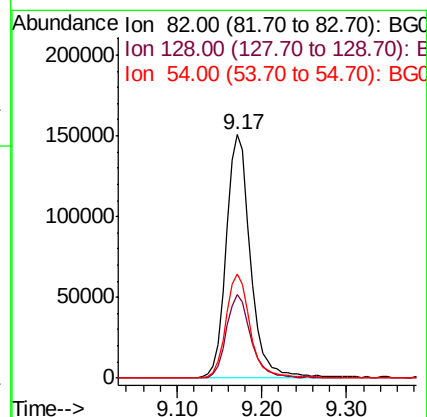
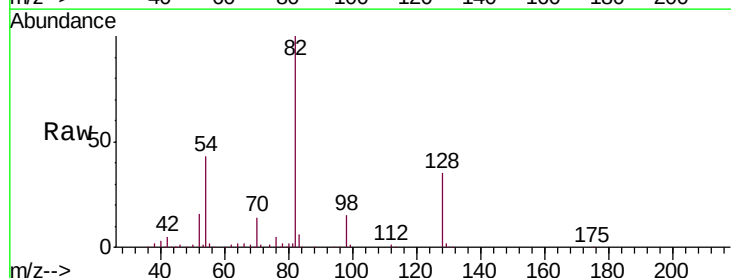
Instrument :
BNA_G
ClientSampleId :
SOIL-2

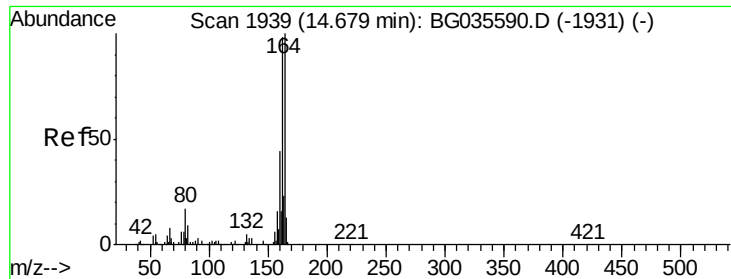
Tgt Ion:	136	Resp:	119192
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	7.1	10.3	15.5#
68	3.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 104.925 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036153.D
Acq: 7 Aug 2018 8:32

Tgt Ion:	82	Resp:	299373
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	42.5	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

Instrument :

BNA_G

ClientSampleId :

SOIL-2

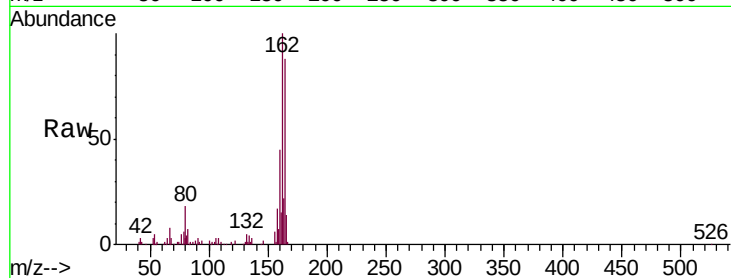
Tgt Ion:164 Resp: 79002

Ion Ratio Lower Upper

164 100

162 113.2 78.8 118.2

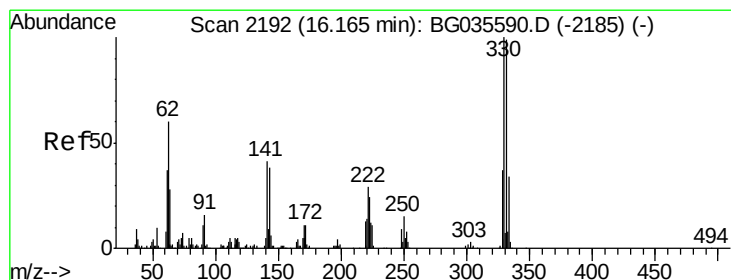
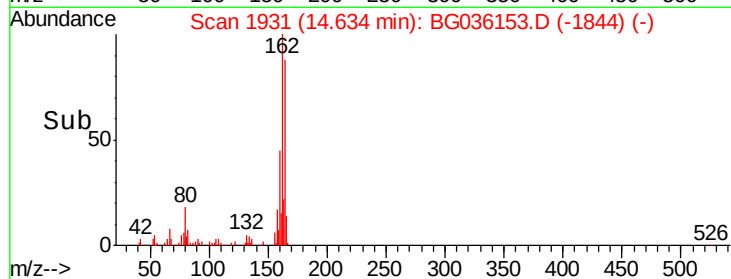
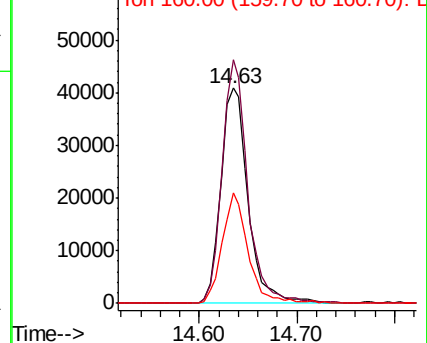
160 51.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 206.143 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

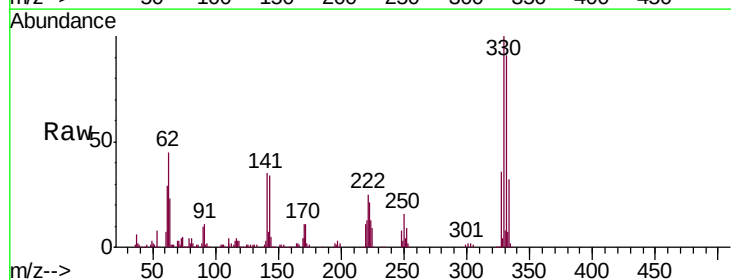
Tgt Ion:330 Resp: 214656

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

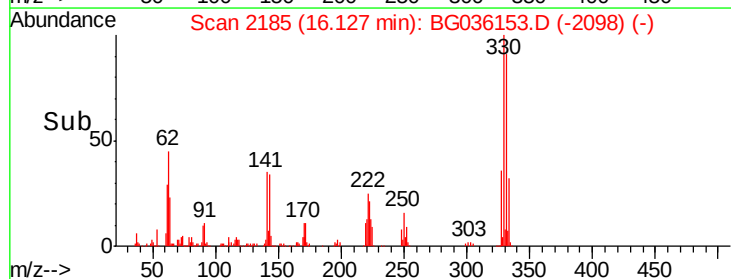
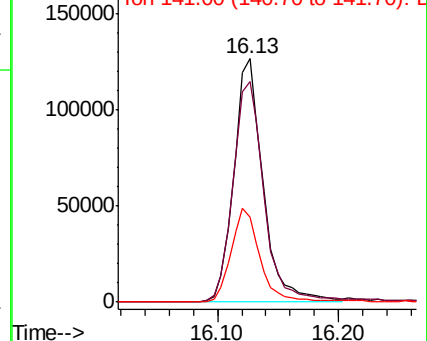
141 37.7 25.2 37.8

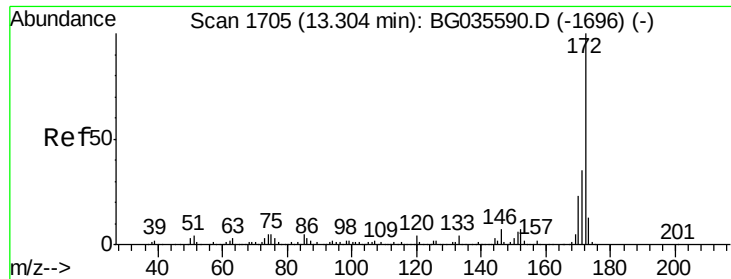


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

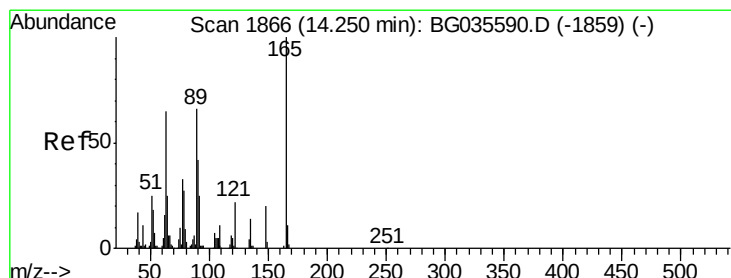
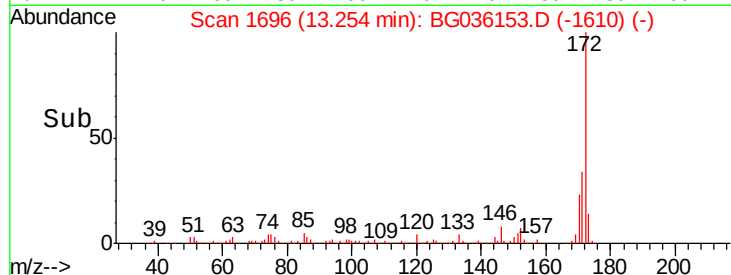
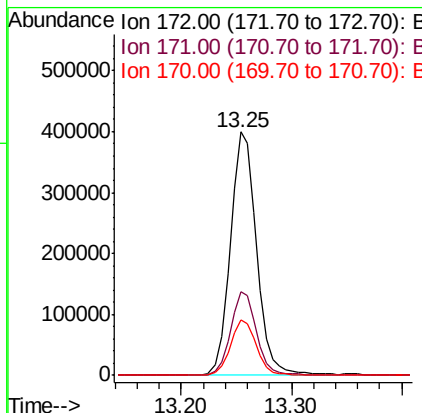
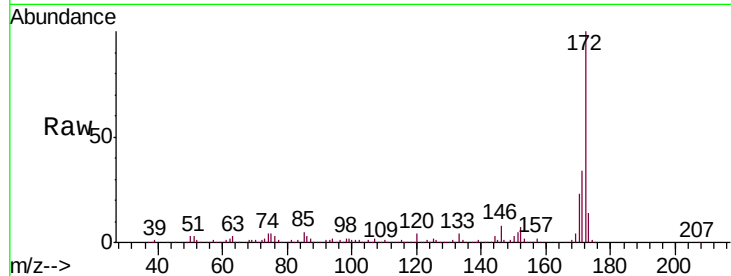




#44
 2-Fluorobiphenyl
 Concen: 112.702 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

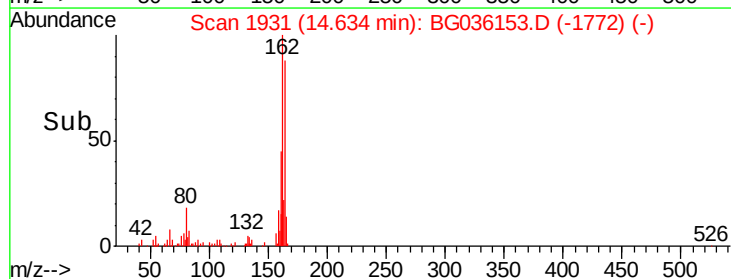
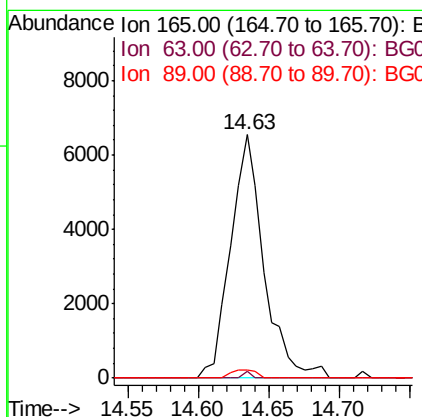
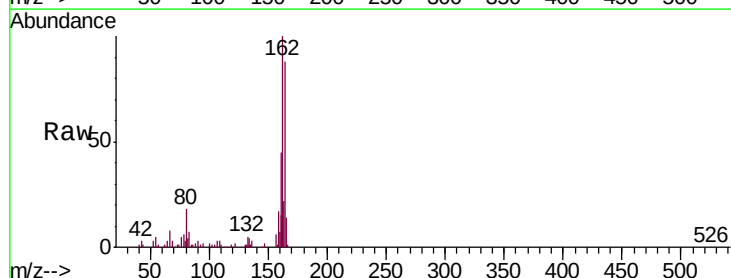
Instrument :
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 SOIL-2

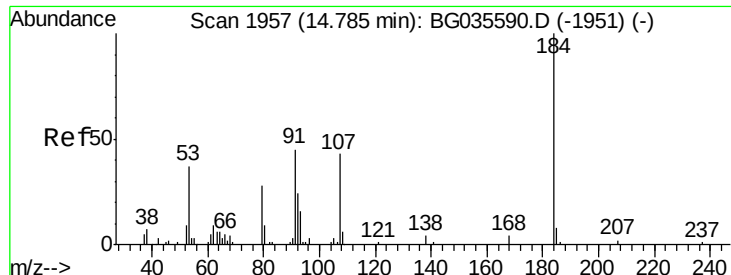
Tgt Ion:172 Resp: 664580
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.638 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.41 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

Tgt Ion:165 Resp: 10766
 Ion Ratio Lower Upper
 165 100
 63 2.9 52.7 79.1#
 89 3.1 49.2 73.8#

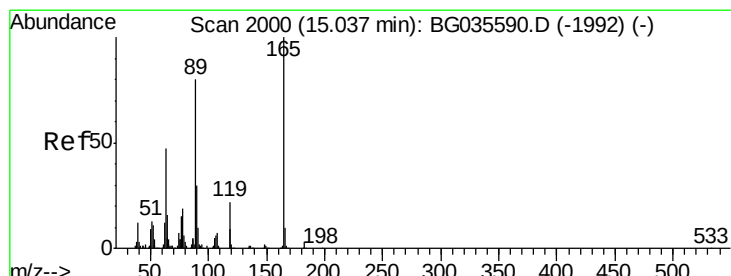
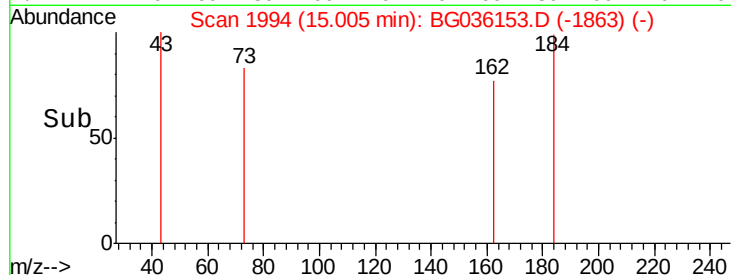
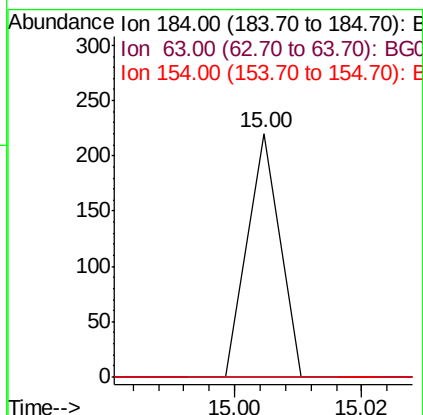
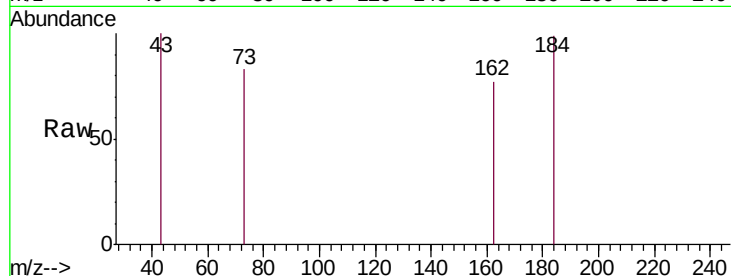




#53
 2,4-Dinitrophenol
 Concen: 6.681 ng
 RT: 15.00 min Scan# 1994
 Delta R.T. 0.24 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

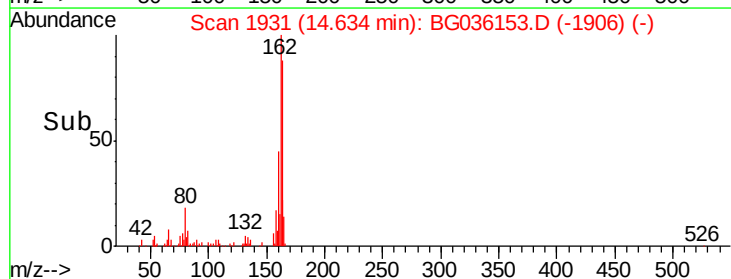
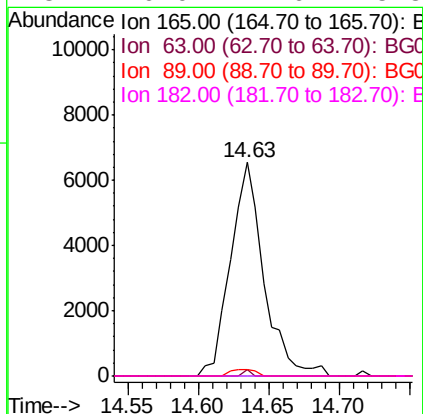
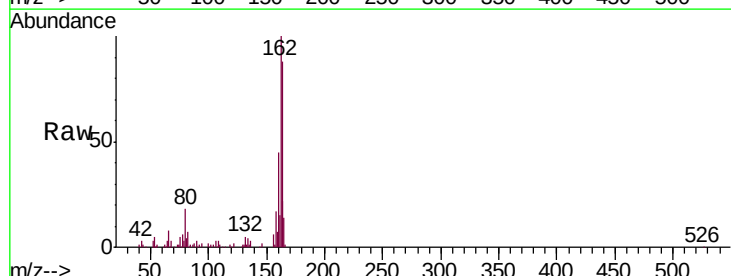
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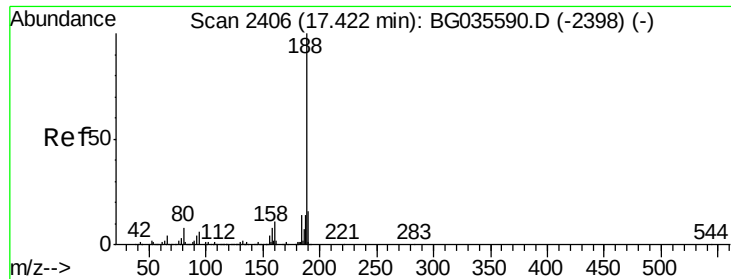
Tgt Ion:184 Resp: 78
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.324 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

Tgt Ion:165 Resp: 10766
 Ion Ratio Lower Upper
 165 100
 63 2.9 42.0 63.0#
 89 3.1 66.9 100.3#
 182 0.0 2.6 3.8#

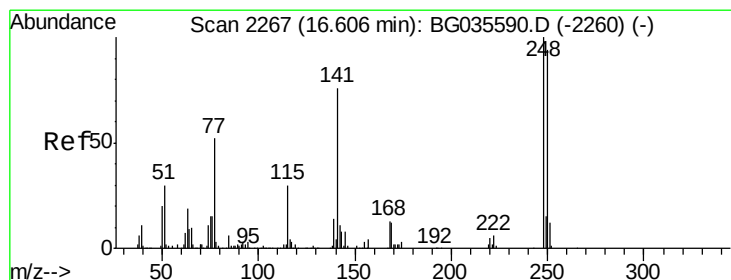
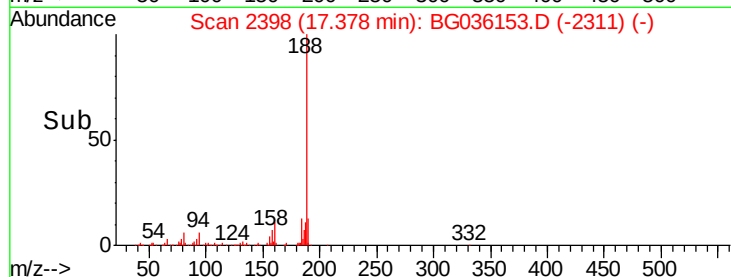
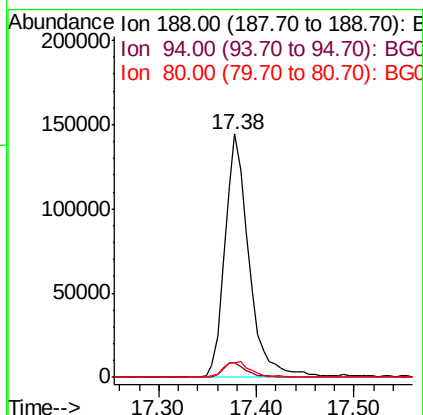
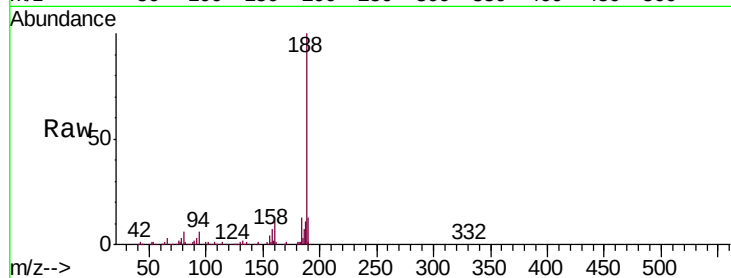




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

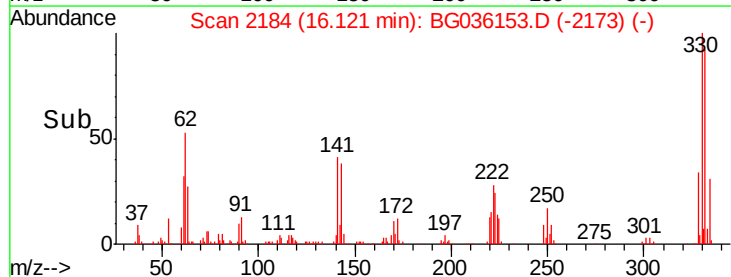
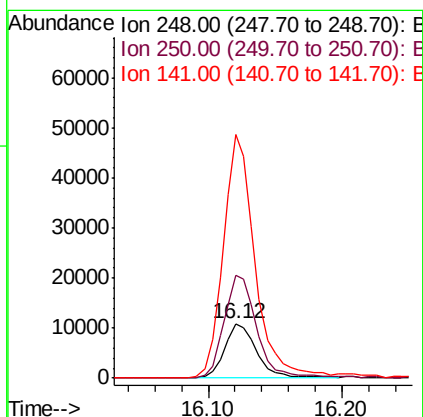
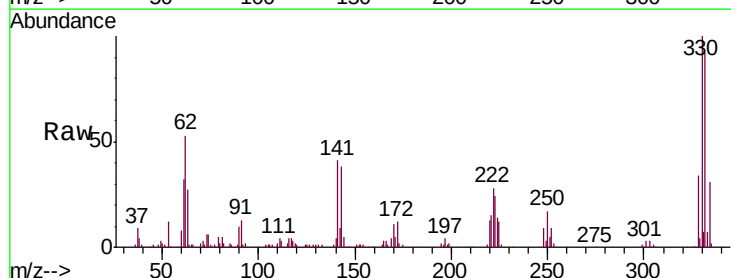
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

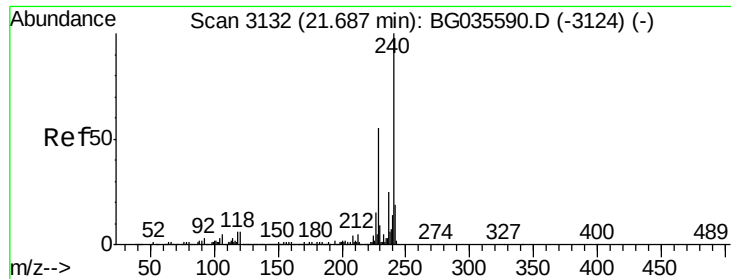
Tgt Ion:188 Resp: 247942
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 5.9 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 6.263 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.46 min
 Lab File: BG036153.D
 Acq: 7 Aug 2018 8:32

Tgt Ion:248 Resp: 18017
 Ion Ratio Lower Upper
 248 100
 250 189.8 77.1 115.7#
 141 449.4 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3123

Delta R.T. -0.02 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

Instrument :

BNA_G

ClientSampleId :

SOIL-2

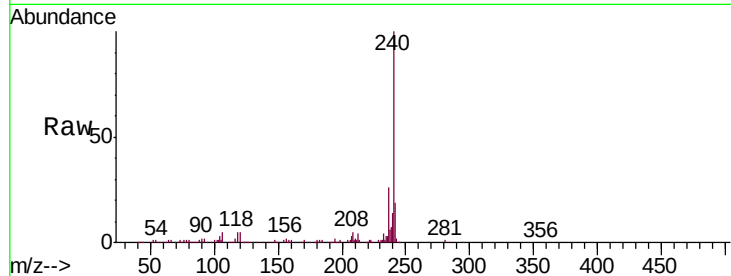
Tgt Ion:240 Resp: 268609

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

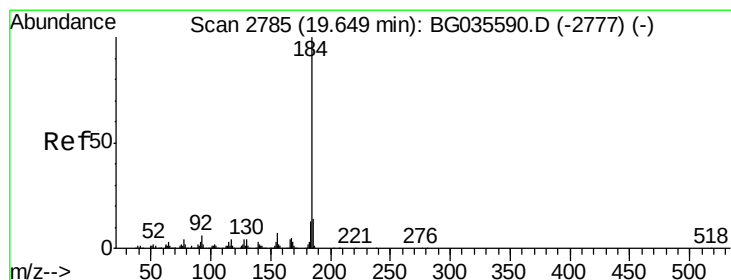
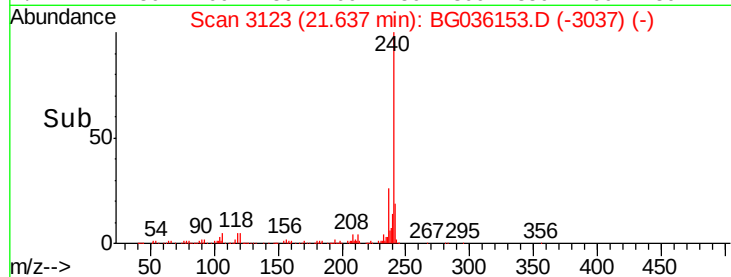
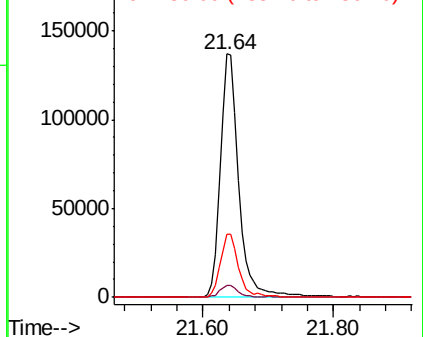
236 26.1 20.9 31.3



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



#76

Benzidine

Concen: 3.520 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

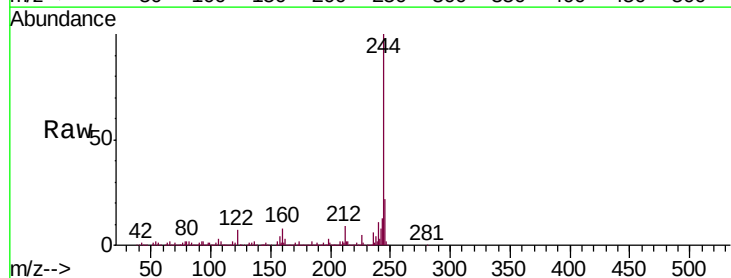
Tgt Ion:184 Resp: 24860

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

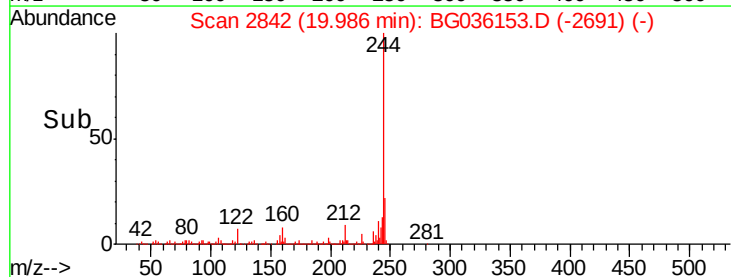
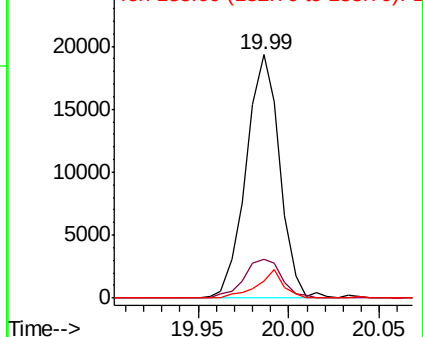
183 7.0 10.6 16.0#

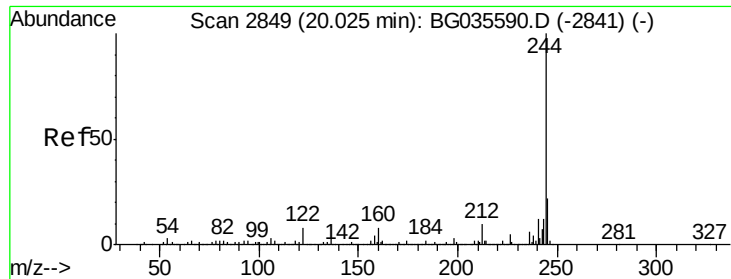


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 113.736 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

Instrument :

BNA_G

ClientSampled :

SOIL-2

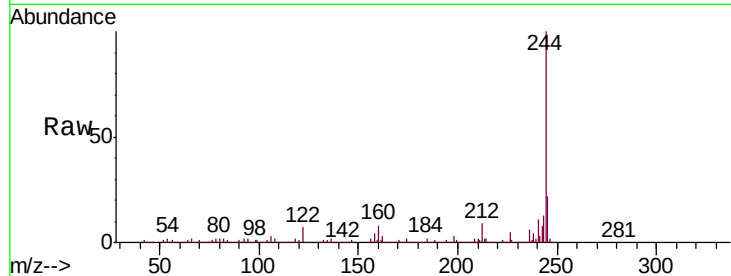
Tgt Ion:244 Resp: 1385953

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

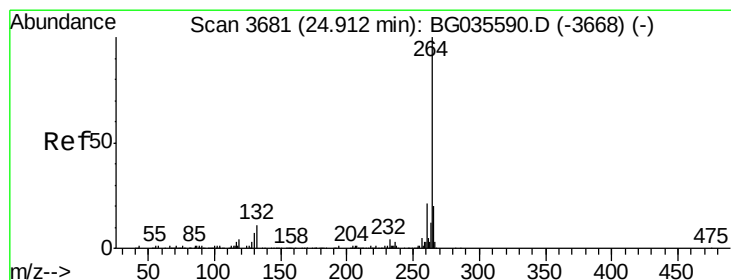
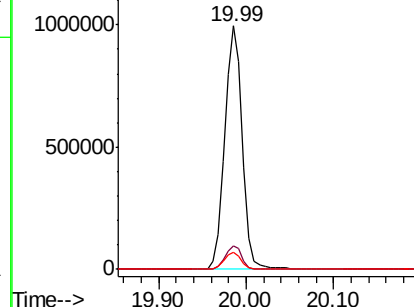
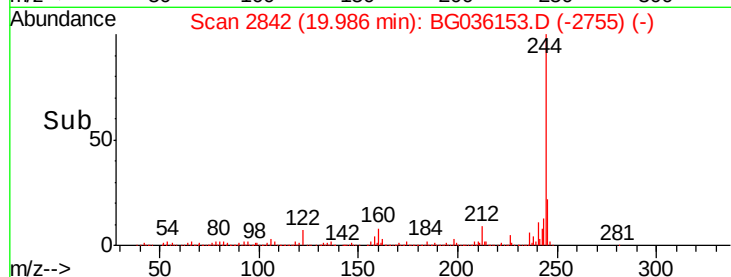
122 6.8 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036153.D

Acq: 7 Aug 2018 8:32

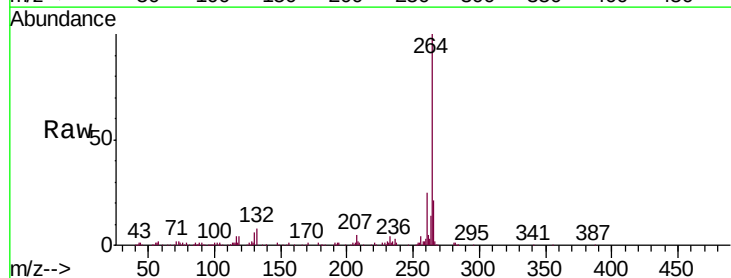
Tgt Ion:264 Resp: 251354

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 21.3 17.7 26.5



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

