

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081018\
 Data File : BG036293.D
 Acq On : 11 Aug 2018 8:31
 Operator : JU/SJ
 Sample : J4417-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL/CUTTINGS

Quant Time: Aug 13 00:48:42 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

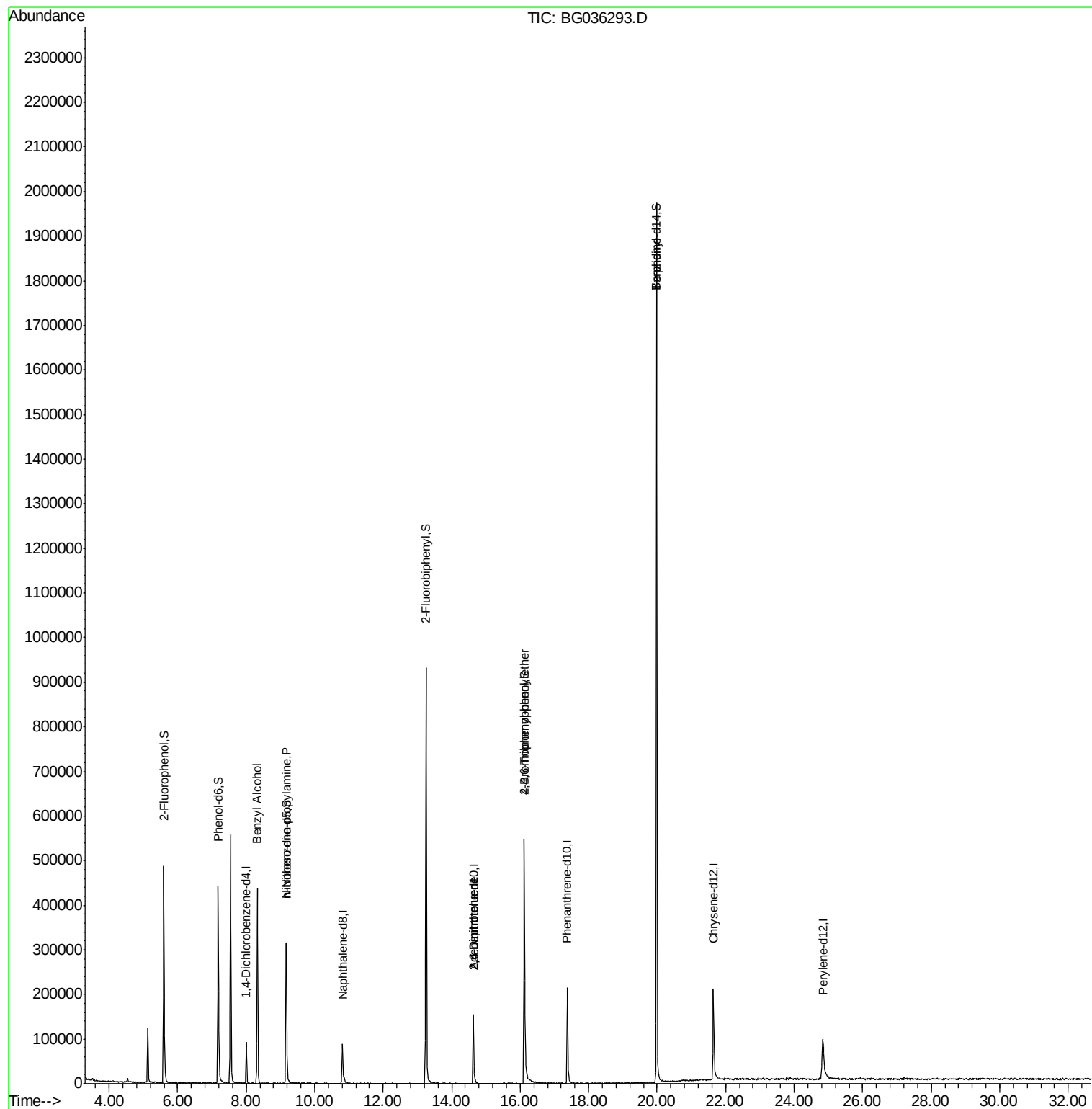
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	25637	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	91156	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	63837	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	173669	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	185177	20.00	ng	-0.02
86) Perylene-d12	24.84	264	151622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	222236	143.92	ng	-0.01
7) Phenol-d6	7.18	99	282139	122.46	ng	-0.01
23) Nitrobenzene-d5	9.16	82	241043	110.46	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	131937	156.80	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	546933	114.78	ng	-0.02
78) Terphenyl-d14	19.98	244	1056548	125.77	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.32	79	4642	2.219	ng	# 47
19) n-Nitroso-di-n-propylamine	9.17	70	34105	17.579	ng	# 67
50) 2,6-Dinitrotoluene	14.63	165	8750	7.682	ng	# 23
56) 2,4-Dinitrotoluene	14.63	165	8750	5.355	ng	# 21
66) 4-Bromophenyl-phenylether	16.13	248	9981	4.954	ng	# 1
76) Benzidine	19.98	184	19069	3.917	ng	# 90

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

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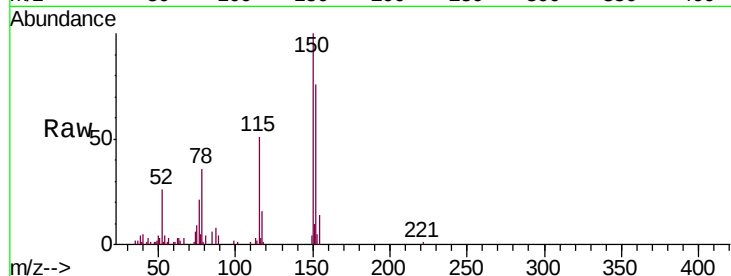


#1

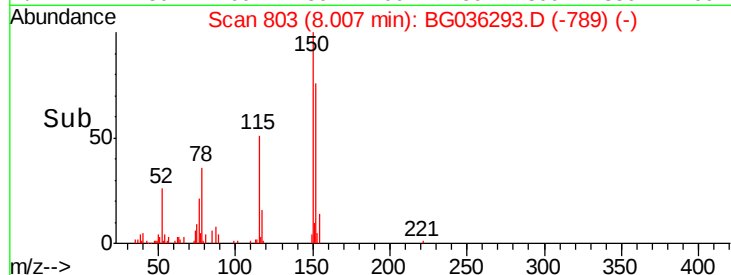
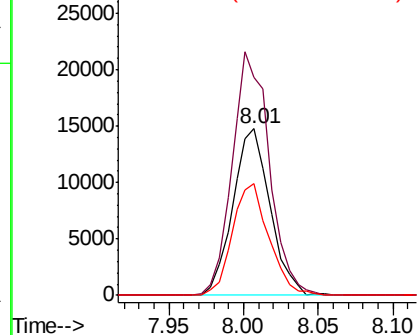
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036293.D
Acq: 11 Aug 2018 8:31

Instrument :
BNA_G
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	131.2	126.6	189.8
115	67.2	53.0	79.4



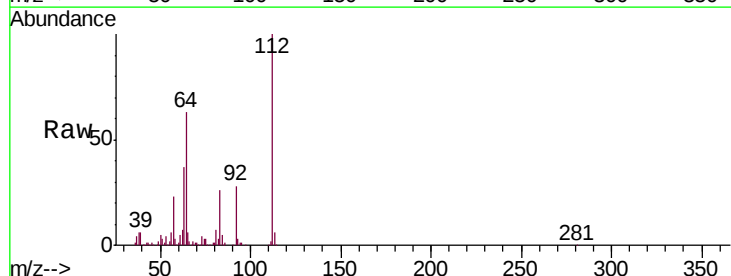
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



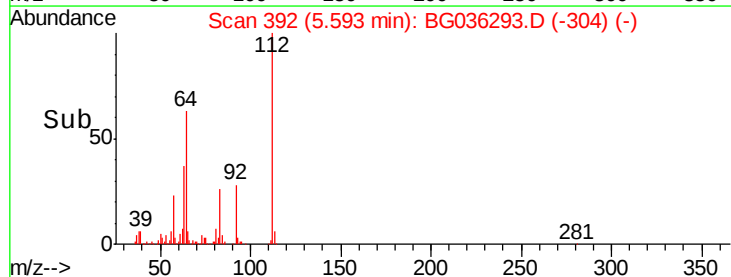
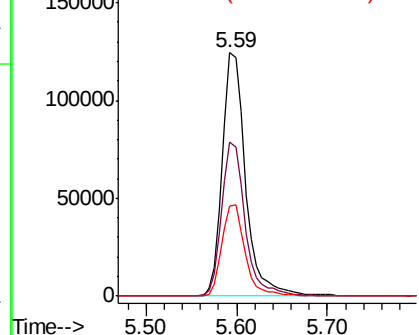
#5

2-Fluorophenol
Concen: 143.919 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036293.D
Acq: 11 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 122.462 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

Instrument :

BNA_G

ClientSampleId :

SOIL/CUTTINGS

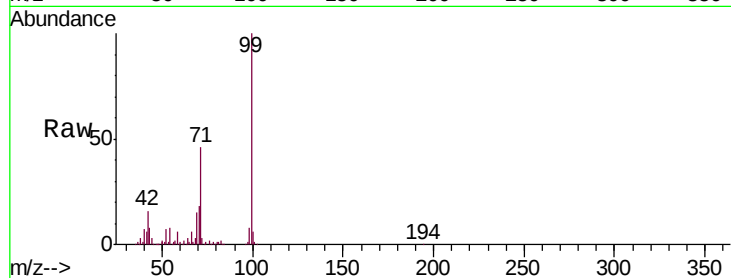
Tgt Ion: 99 Resp: 282139

Ion Ratio Lower Upper

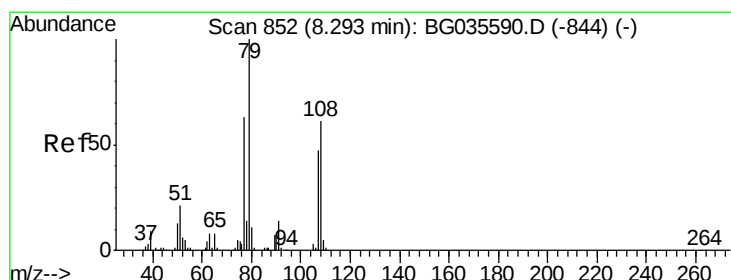
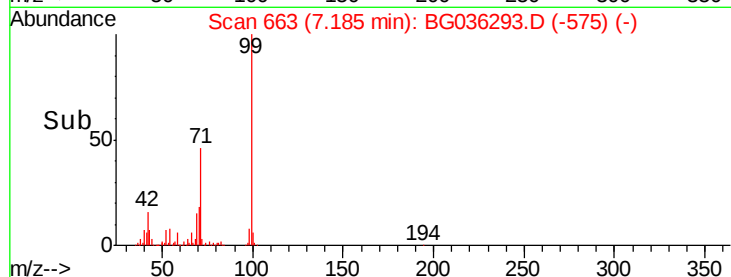
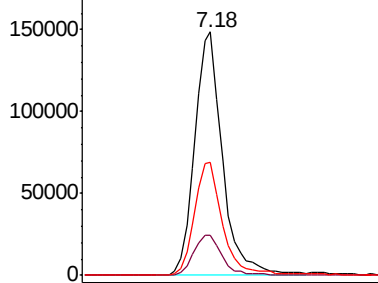
99 100

42 16.2 14.1 21.1

71 46.3 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
200000
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.219 ng

RT: 8.32 min Scan# 857

Delta R.T. 0.06 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

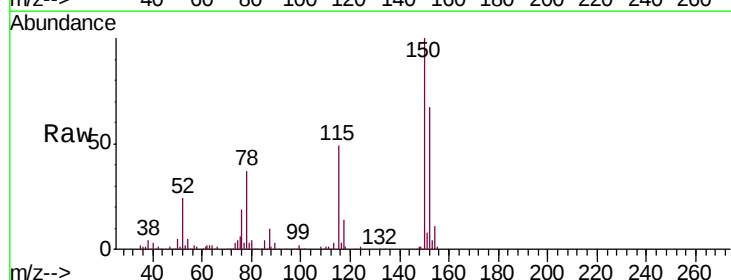
Tgt Ion: 79 Resp: 4642

Ion Ratio Lower Upper

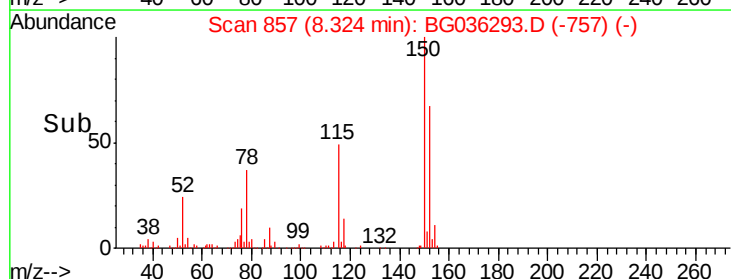
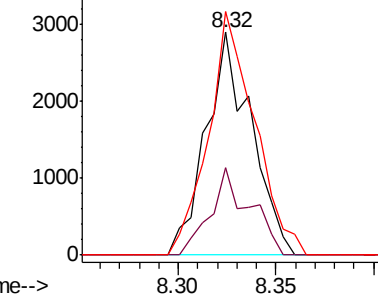
79 100

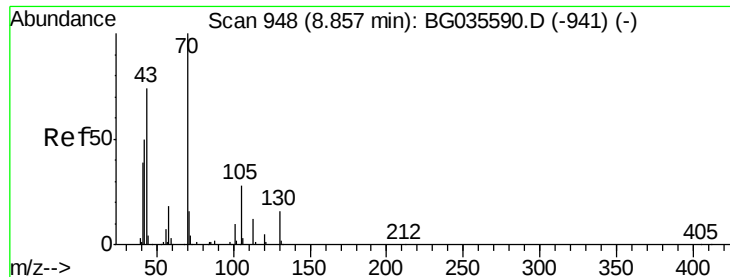
108 39.2 57.2 85.8#

77 109.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
4000
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

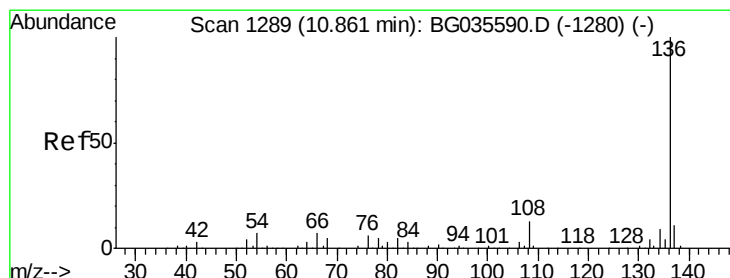
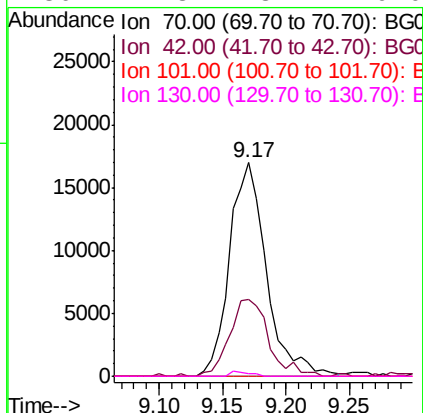
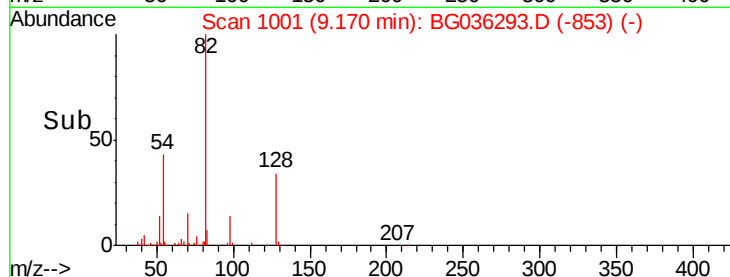
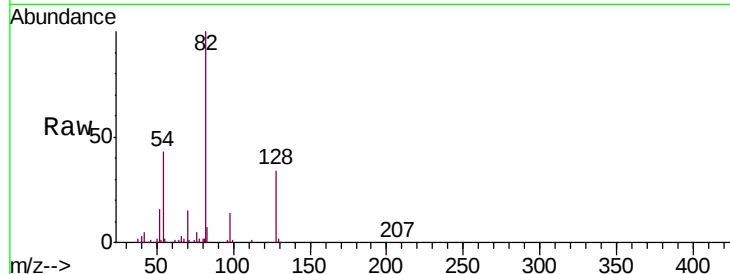




#19
n-Nitroso-di-n-propylamine
Concen: 17.579 ng
RT: 9.17 min Scan# 1001
Delta R.T. 0.34 min
Lab File: BG036293.D
Acq: 11 Aug 2018 8:31

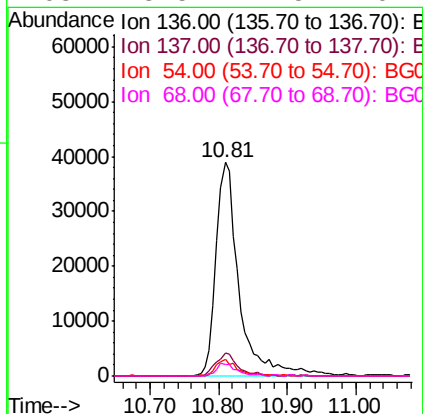
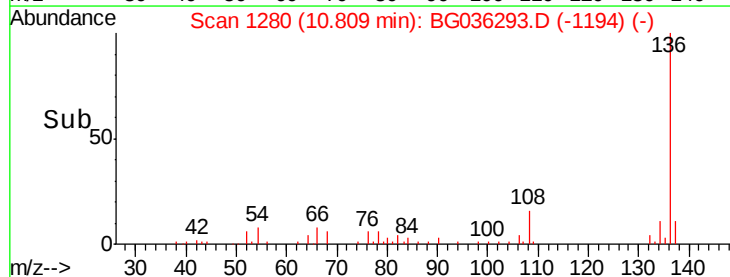
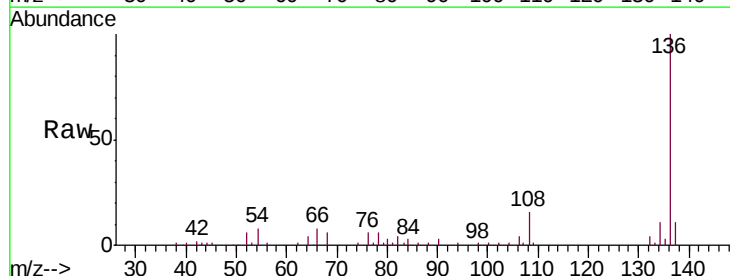
Instrument :
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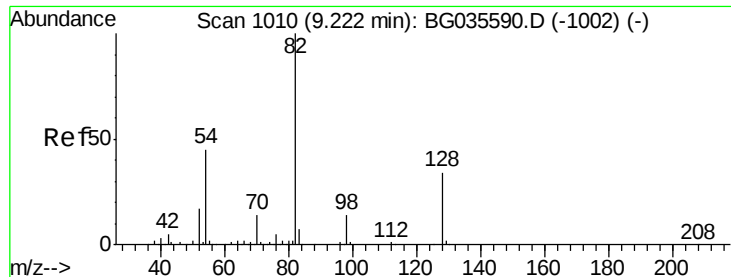
Tgt Ion: 70 Resp: 34105
Ion Ratio Lower Upper
70 100
42 35.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036293.D
Acq: 11 Aug 2018 8:31

Tgt Ion: 136 Resp: 91156
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.6 10.3 15.5#
68 5.5 4.5 6.7

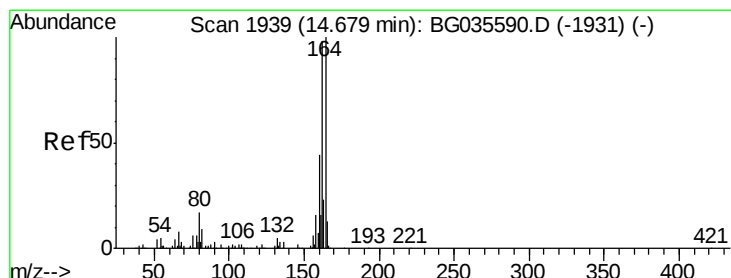
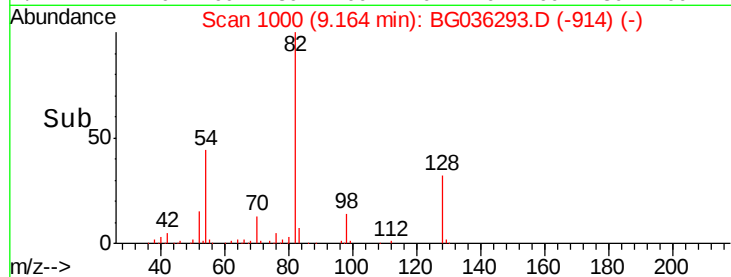
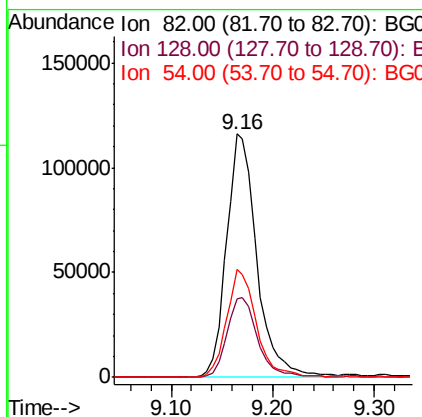
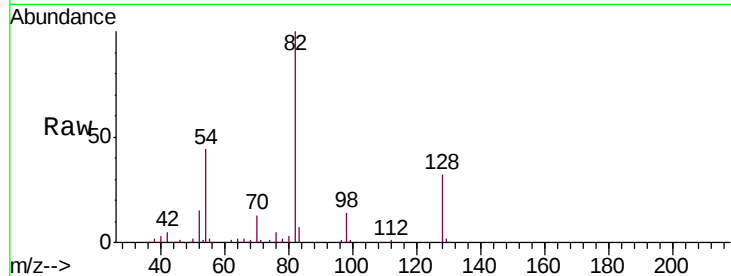




#23
 Nitrobenzene-d5
 Concen: 110.465 ng
 RT: 9.16 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

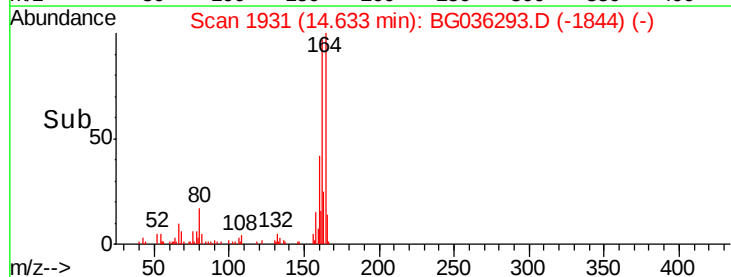
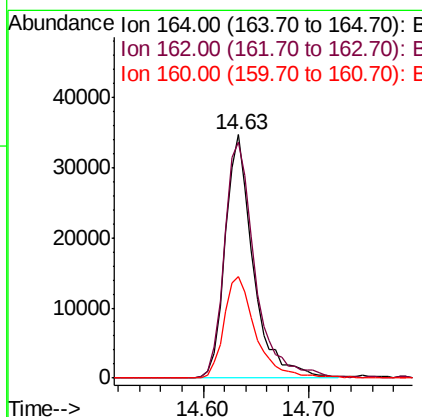
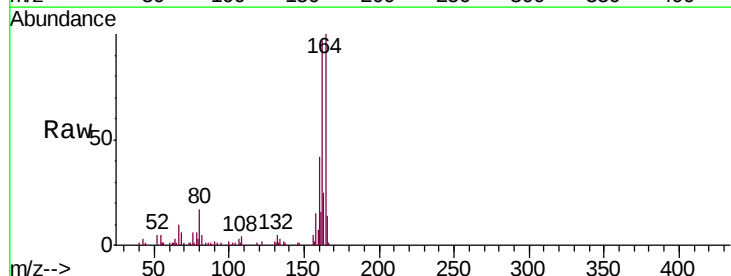
Instrument :
 BNA_G
 ClientSampleId :
 SOIL/CUTTINGS

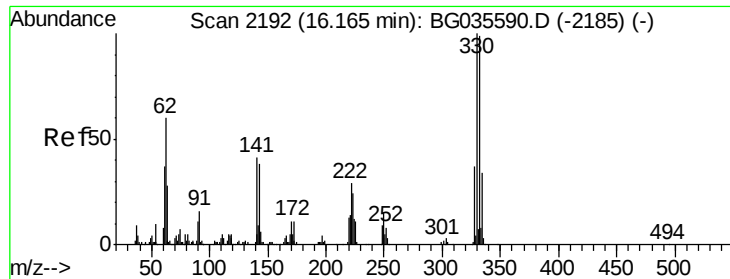
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.4	29.7	44.5
54	44.1	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	78.8	118.2
160	41.6	35.4	53.0

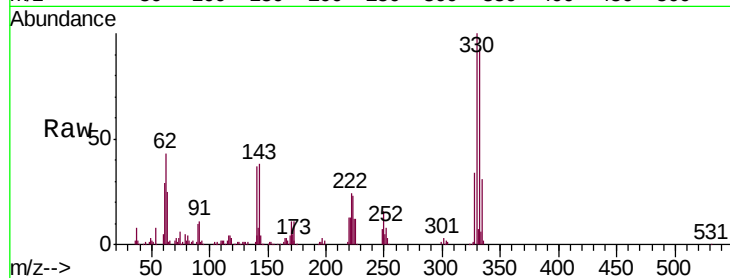




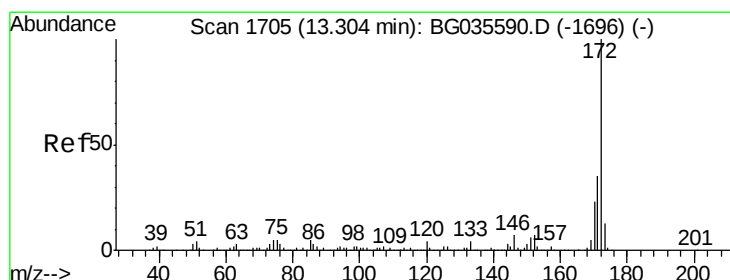
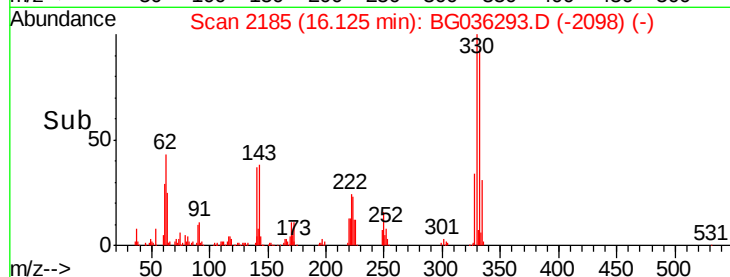
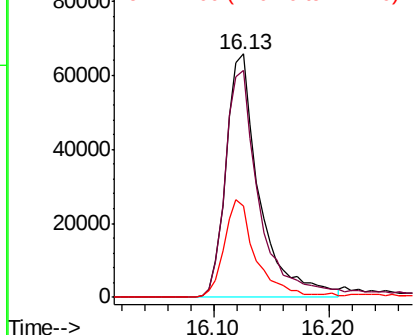
#41
 2,4,6-Tribromophenol
 Concen: 156.804 ng
 RT: 16.13 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

Instrument :
 BNA_G
 ClientSampleId :
 SOIL/CUTTINGS

Tgt Ion:330 Resp: 131937
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 37.8 25.2 37.8

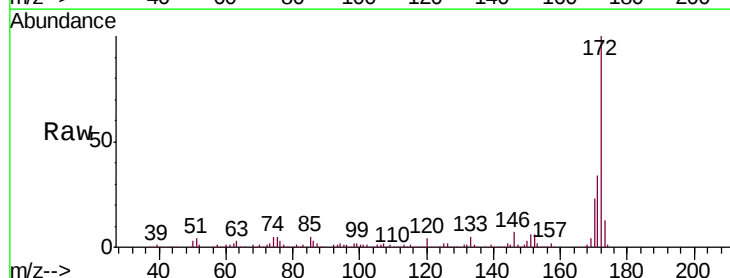


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

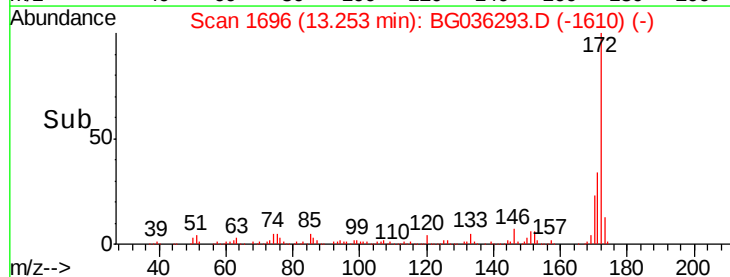
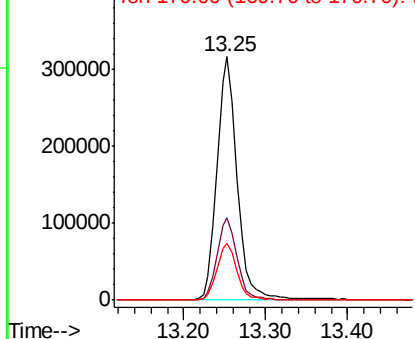


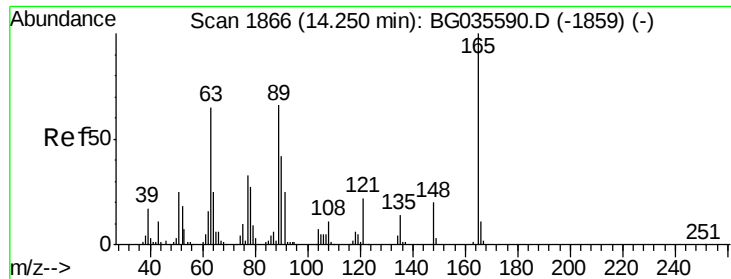
#44
 2-Fluorobiphenyl
 Concen: 114.784 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

Tgt Ion:172 Resp: 546933
 Ion Ratio Lower Upper
 172 100
 171 33.6 30.0 45.0
 170 23.2 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

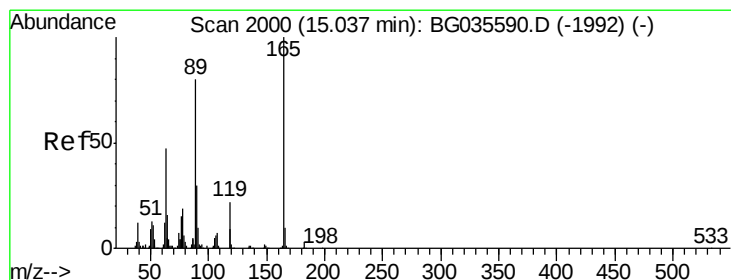
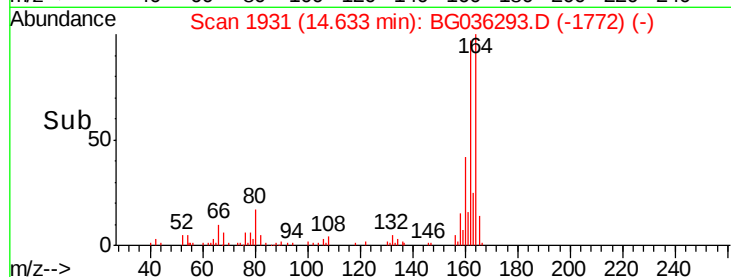
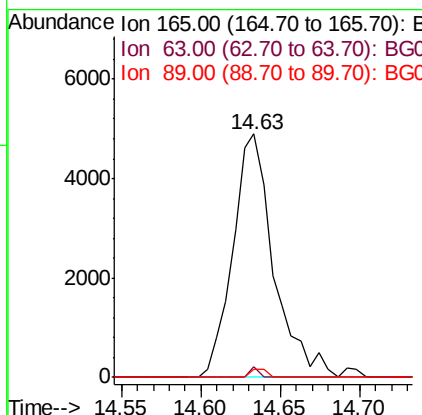
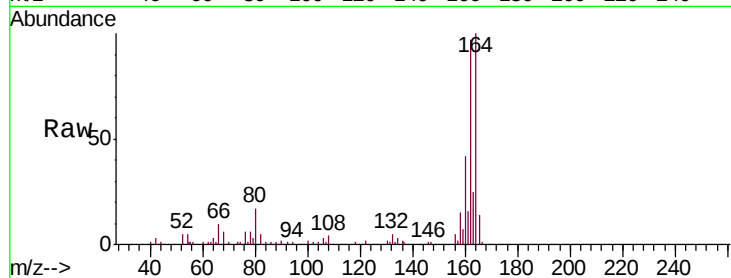




#50
 2,6-Dinitrotoluene
 Concen: 7.682 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.41 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

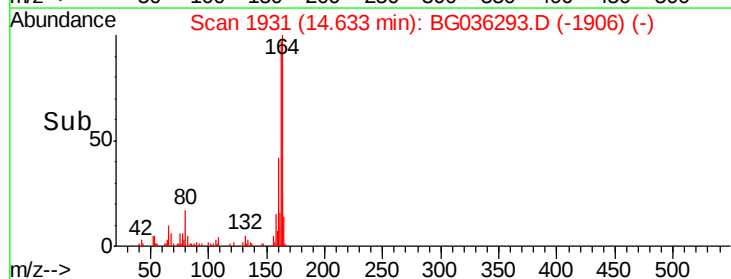
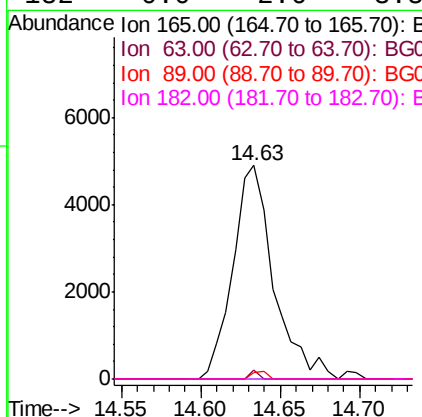
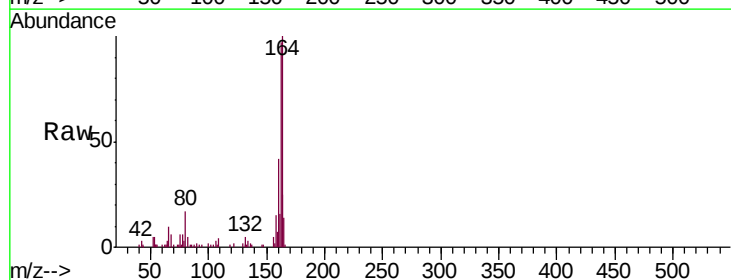
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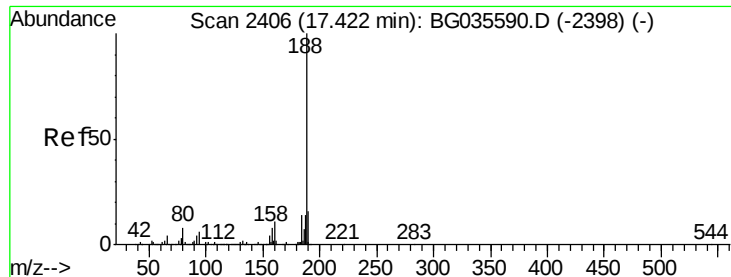
Tgt Ion:165 Resp: 8750
 Ion Ratio Lower Upper
 165 100
 63 4.1 52.7 79.1#
 89 3.3 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.355 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036293.D
 Acq: 11 Aug 2018 8:31

Tgt Ion:165 Resp: 8750
 Ion Ratio Lower Upper
 165 100
 63 4.1 42.0 63.0#
 89 3.3 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: BG036293.D

Acq: 11 Aug 2018 8:31

Instrument :

BNA_G

ClientSampleId :

SOIL/CUTTINGS

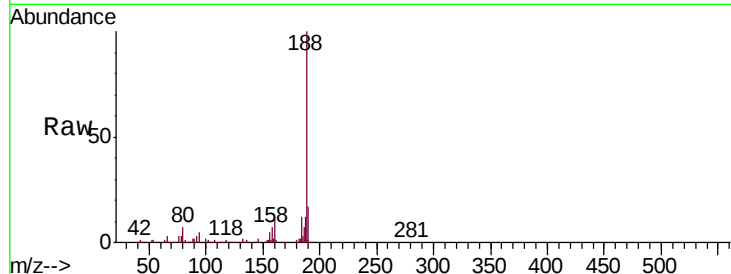
Tgt Ion:188 Resp: 173669

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

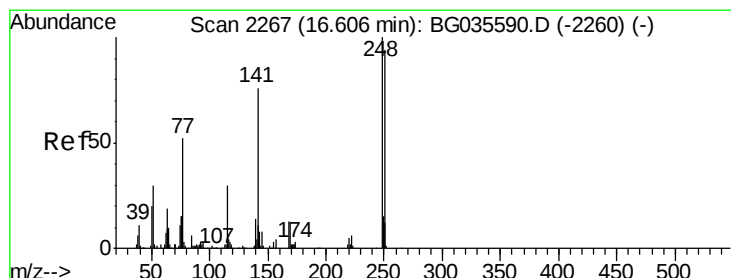
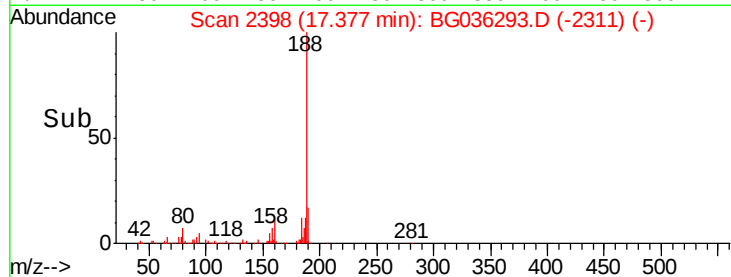
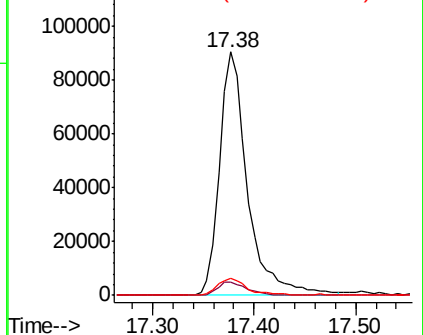
80 6.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#66

4-Bromophenyl-phenylether

Concen: 4.954 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

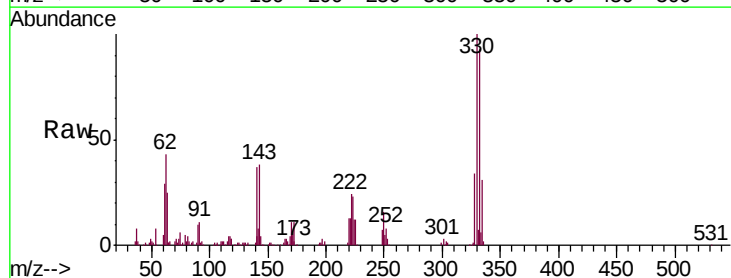
Tgt Ion:248 Resp: 9981

Ion Ratio Lower Upper

248 100

250 225.3 77.1 115.7#

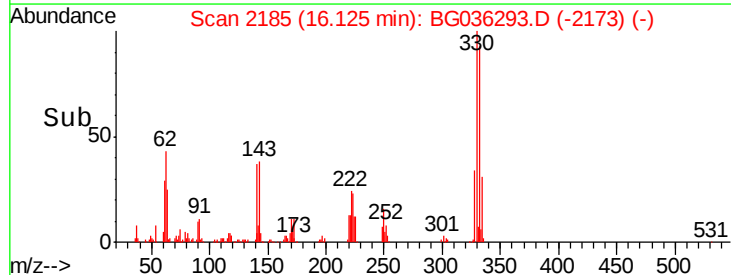
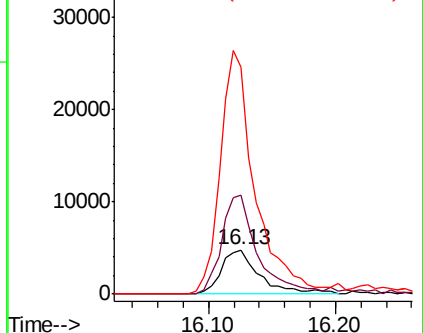
141 514.2 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036293.D

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Instrument :

BNA_G

ClientSampleId :

SOIL/CUTTINGS

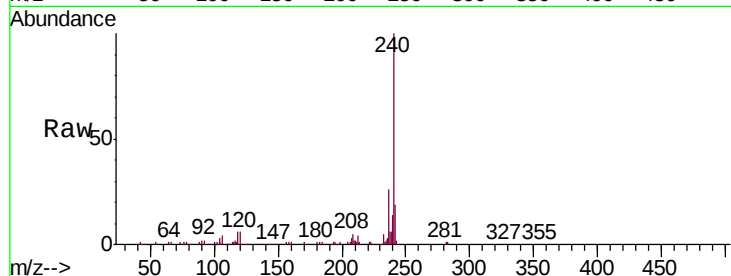
Tgt Ion:240 Resp: 185177

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

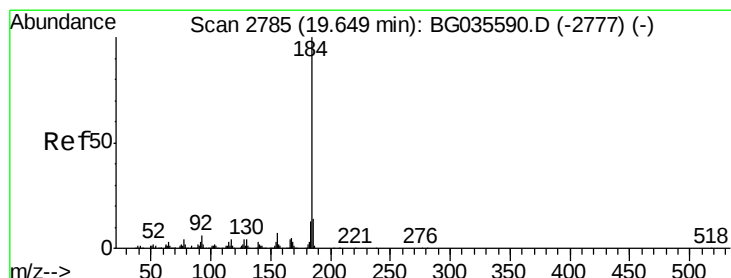
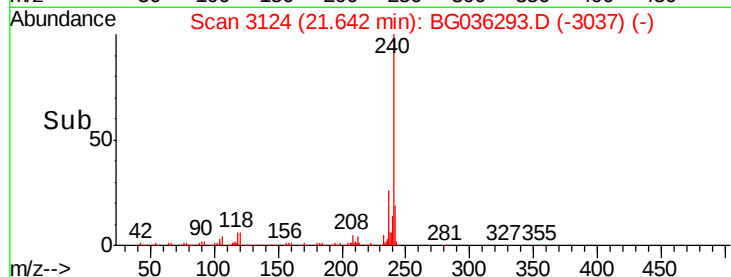
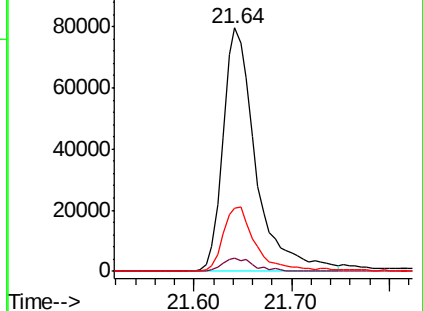
236 26.1 20.9 31.3



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: 3.917 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

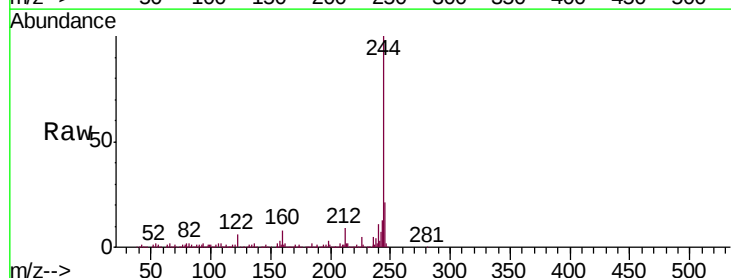
Tgt Ion:184 Resp: 19069

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

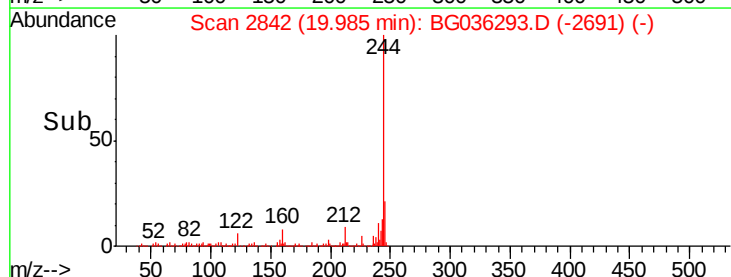
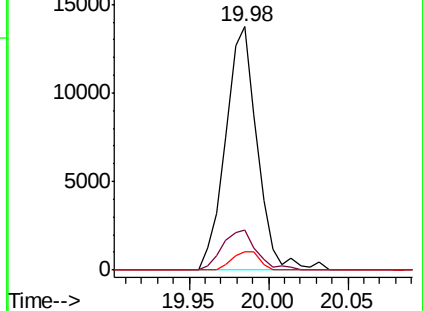
183 7.4 10.6 16.0#

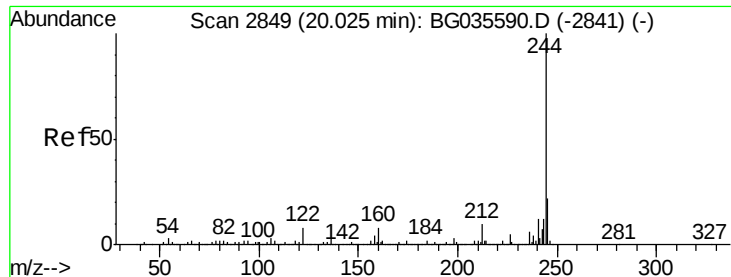


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 125.769 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

Instrument :

BNA_G

ClientSampleId :

SOIL/CUTTINGS

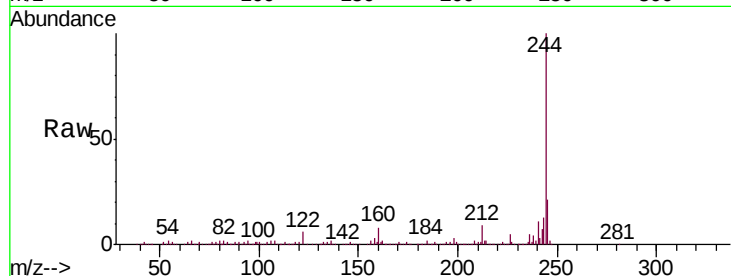
Tgt Ion:244 Resp: 1056548

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

122 6.0 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

19.98

800000

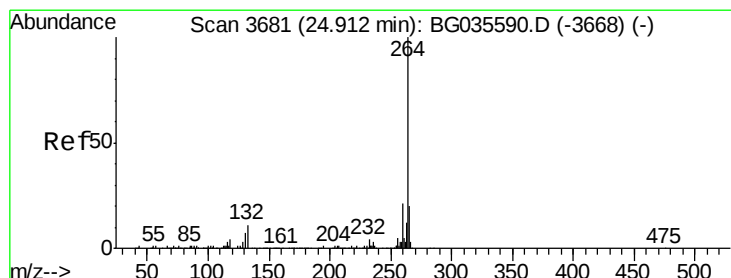
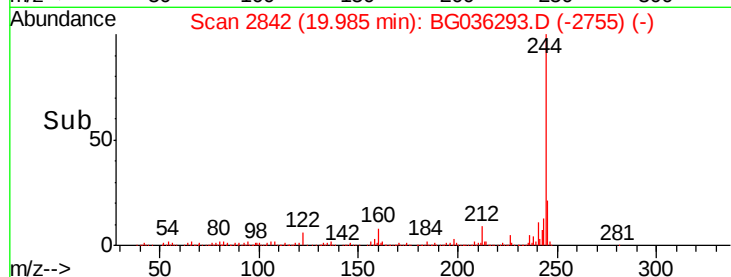
600000

400000

200000

0

Time--> 19.90 20.00 20.10



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3668

Delta R.T. -0.02 min

Lab File: BG036293.D

Acq: 11 Aug 2018 8:31

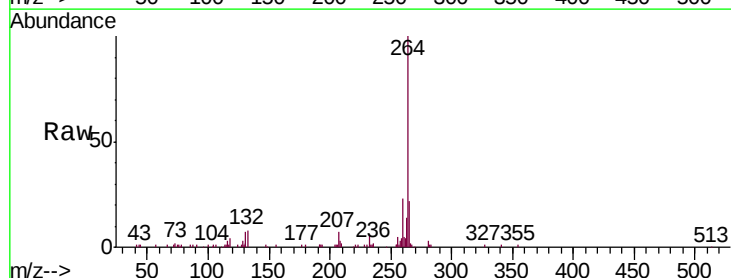
Tgt Ion:264 Resp: 151622

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.2 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

24.84

50000

40000

30000

20000

10000

0

Time--> 24.70 24.80 24.90 25.00

