

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036377.D
 Acq On : 23 Aug 2018 13:30
 Operator : JU/SJ
 Sample : J4580-04
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RN-SOIL

Quant Time: Aug 23 14:11:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

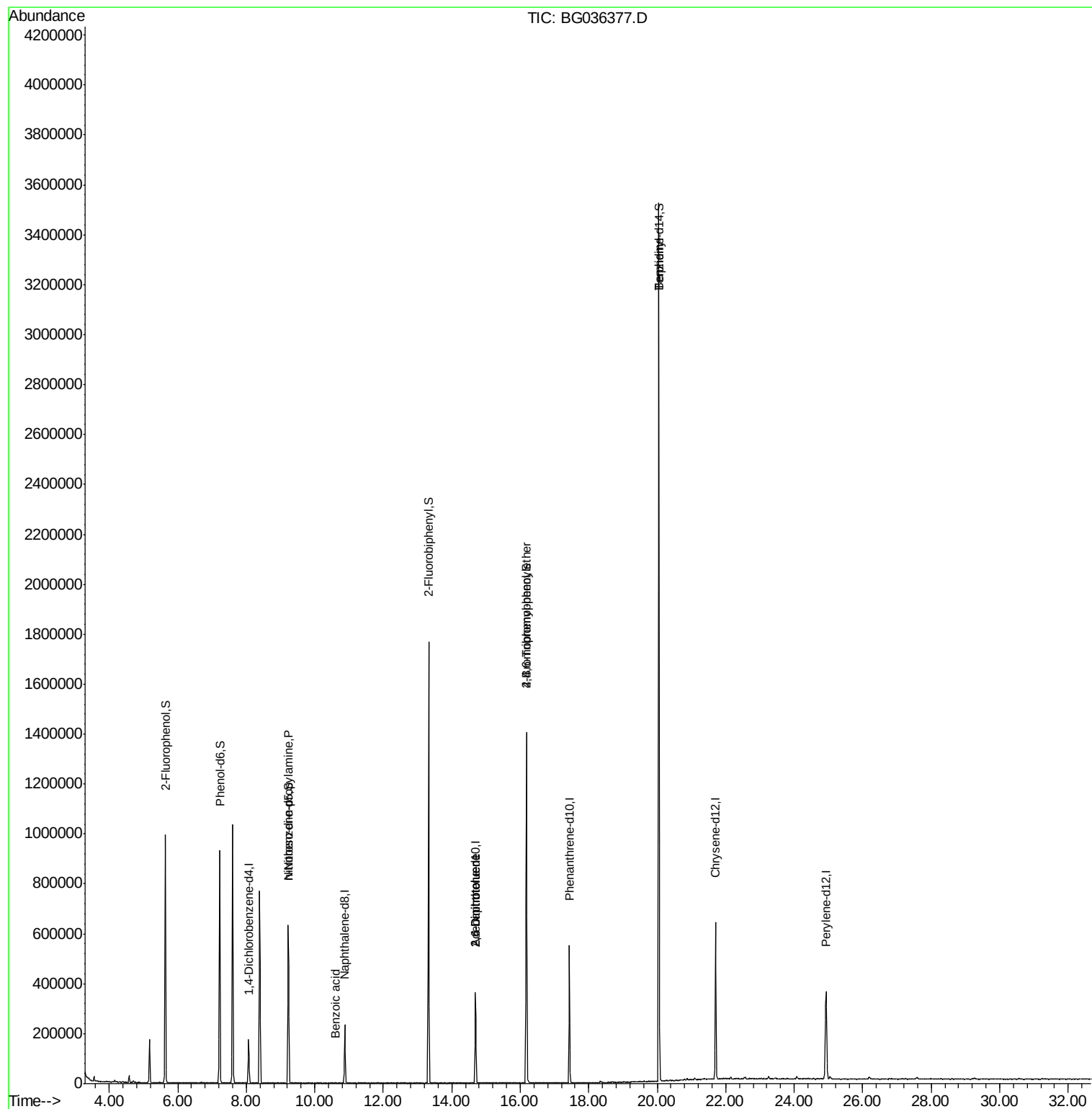
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	47675	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	195045	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	127973	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	334459	20.00	ng	0.00
75) Chrysene-d12	21.70	240	388938	20.00	ng	0.00
86) Perylene-d12	24.93	264	384709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	409185	136.15	ng	0.00
7) Phenol-d6	7.22	99	514286	119.52	ng	0.00
23) Nitrobenzene-d5	9.23	82	377429	104.99	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	247084	161.81	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	861048	96.07	ng	0.00
78) Terphenyl-d14	20.05	244	1647983	99.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	50649	15.749	ng	# 72
32) Benzoic acid	10.59	122	57	4.504	ng	# 1
50) 2,6-Dinitrotoluene	14.69	165	16471	7.660	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	16471	5.877	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	17527	4.476	ng	# 1
76) Benzidine	20.05	184	29413	2.370	ng	# 94

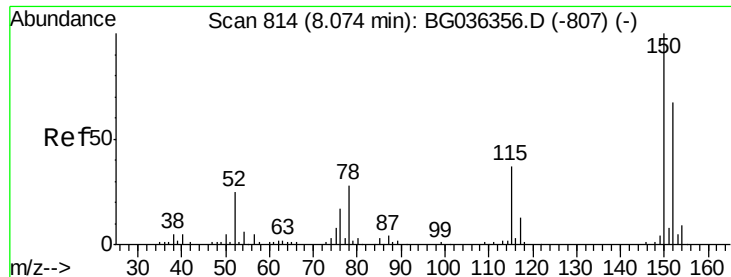
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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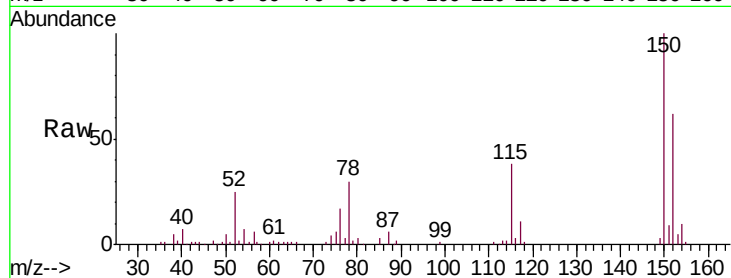


#1

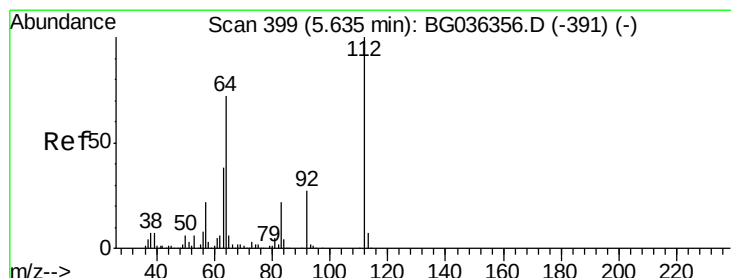
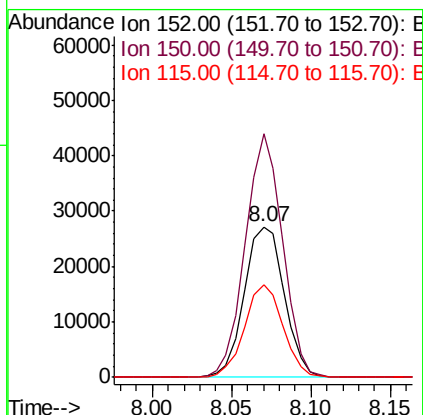
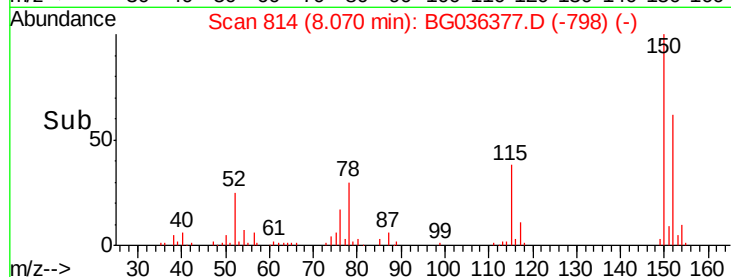
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Instrument :
BNA_G
ClientSampleId :
RN-SOIL

Tgt Ion:152 Resp: 47675
Ion Ratio Lower Upper
152 100
150 161.9 119.5 179.3
115 61.8 44.5 66.7



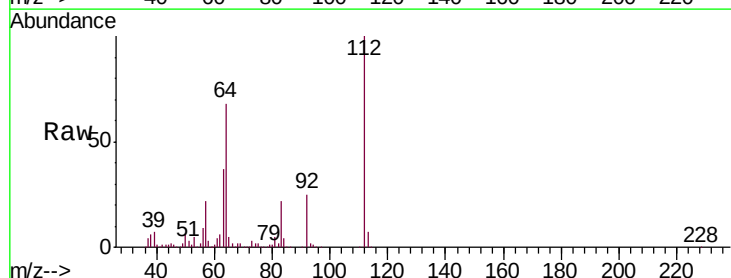
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



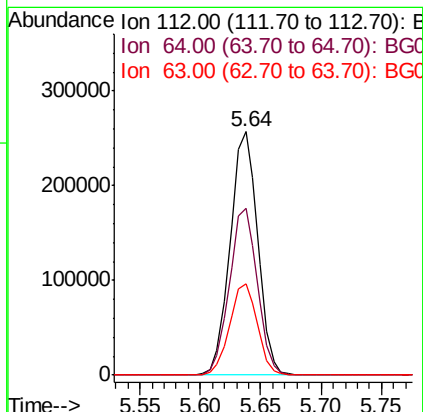
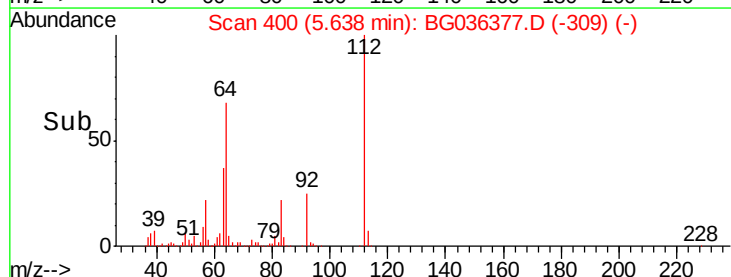
#5

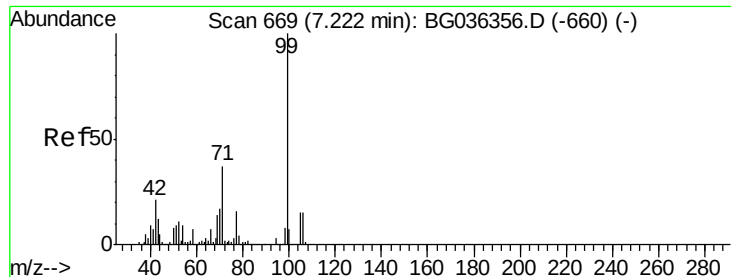
2-Fluorophenol
Concen: 136.149 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Tgt Ion:112 Resp: 409185
Ion Ratio Lower Upper
112 100
64 68.4 57.2 85.8
63 37.5 30.8 46.2



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: 119.517 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

Instrument :

BNA_G

ClientSampleId :

RN-SOIL

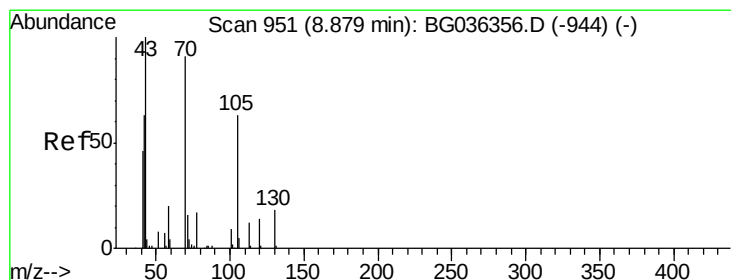
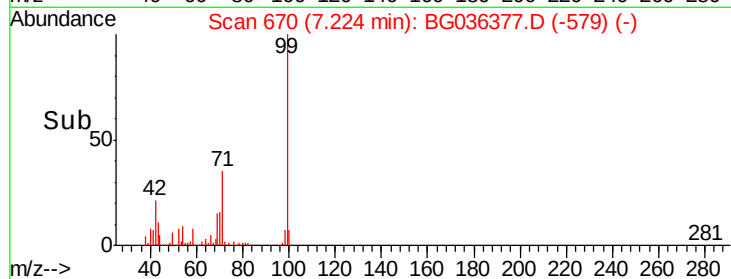
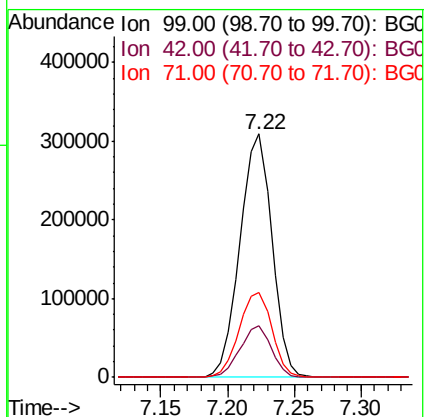
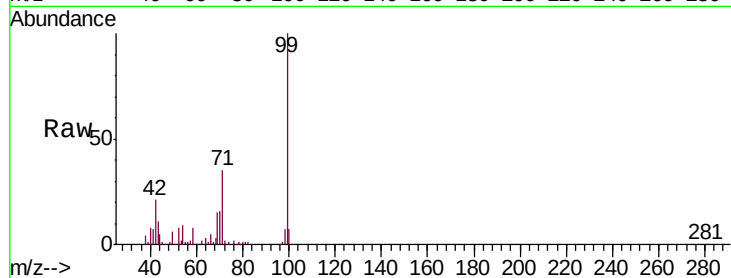
Tgt Ion: 99 Resp: 514286

Ion Ratio Lower Upper

99 100

42 21.0 16.5 24.7

71 34.8 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.749 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

Tgt Ion: 70 Resp: 50649

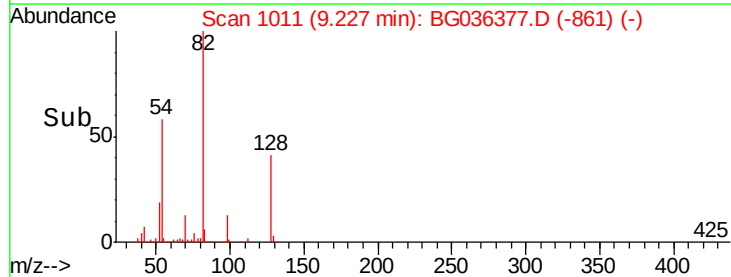
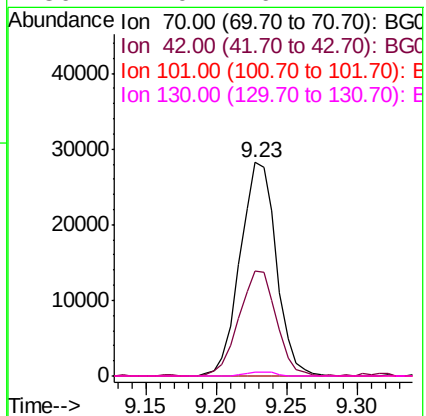
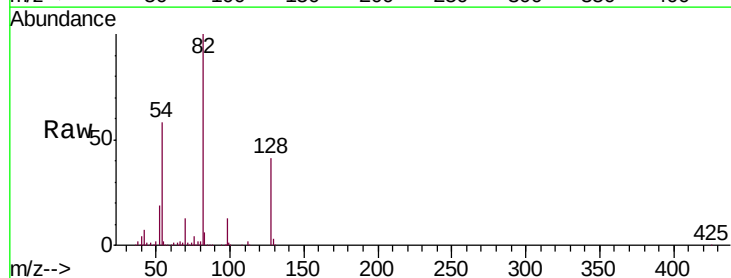
Ion Ratio Lower Upper

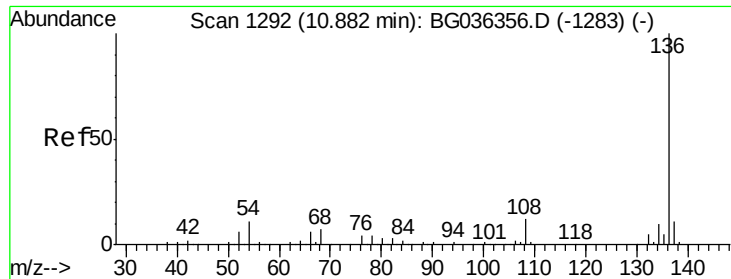
70 100

42 49.4 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 16.2 24.2#

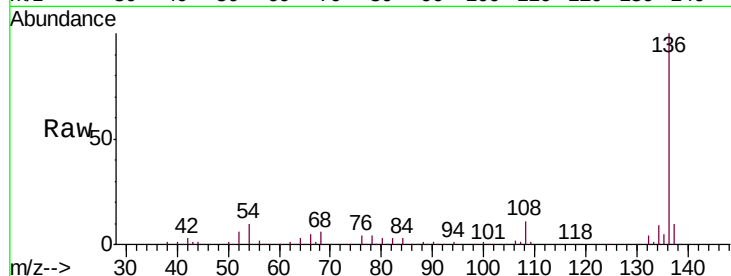




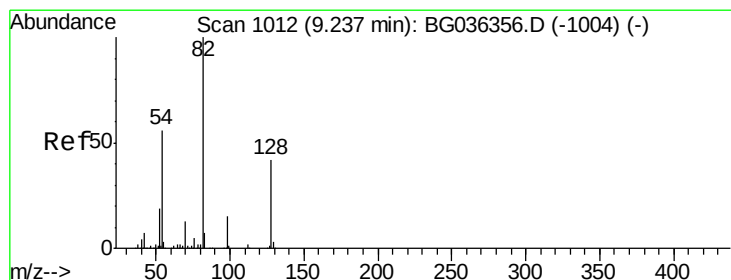
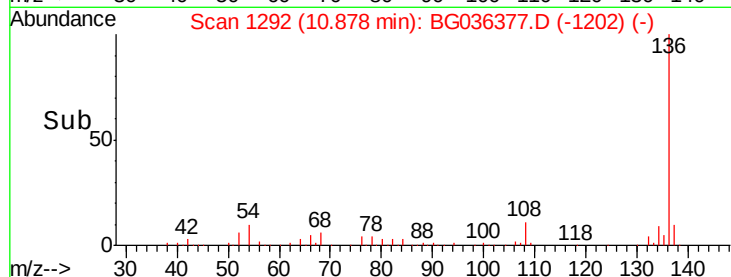
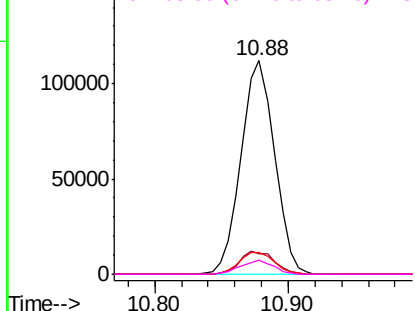
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Instrument :
BNA_G
ClientSampleId :
RN-SOIL

Tgt Ion:	136	Resp:	195045
Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.8	13.2
54	9.9	9.2	13.8
68	6.4	5.8	8.6

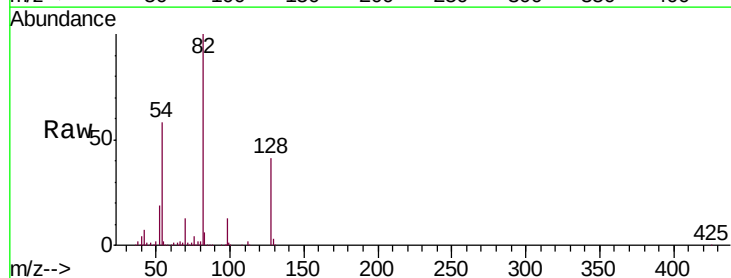


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

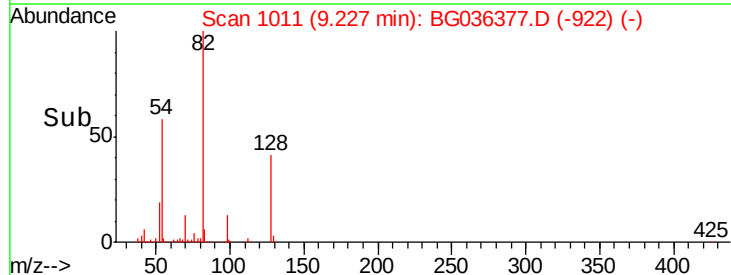
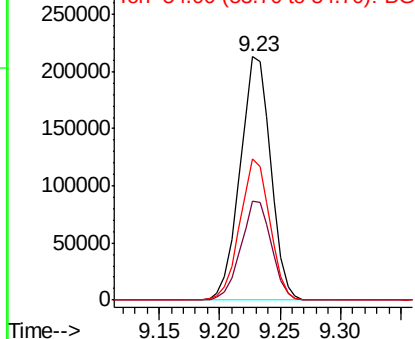


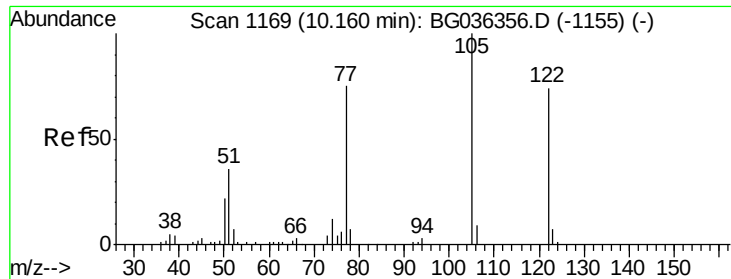
#23
Nitrobenzene-d5
Concen: 104.991 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Tgt Ion:	82	Resp:	377429
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.3	49.9
54	57.9	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

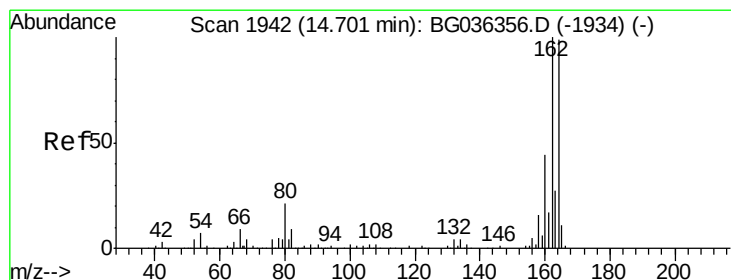
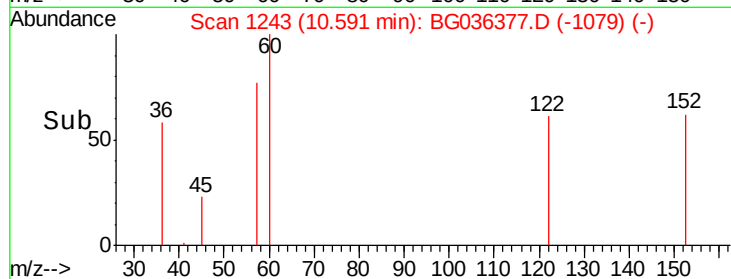
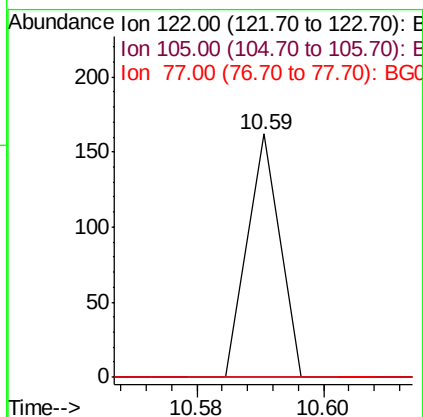
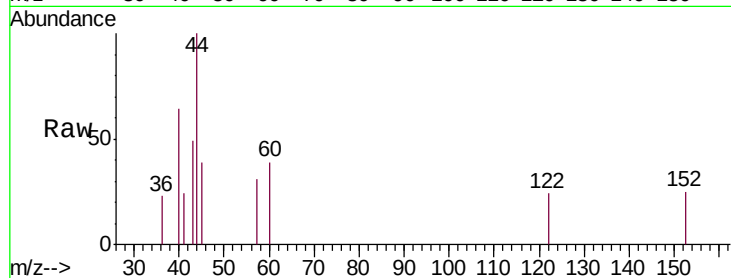




#32
Benzoic acid
Concen: 4.504 ng
RT: 10.59 min Scan# 1243
Delta R.T. 0.43 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

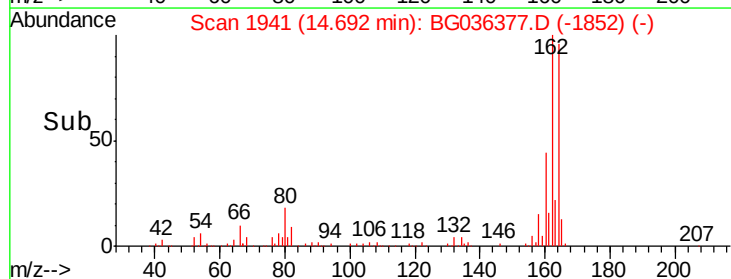
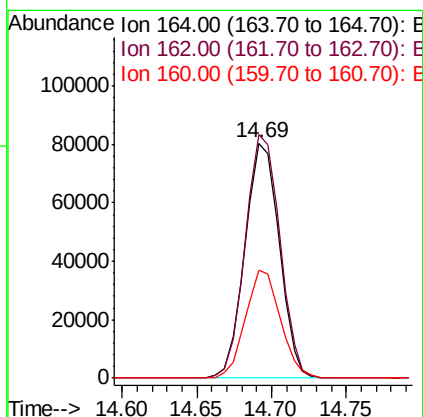
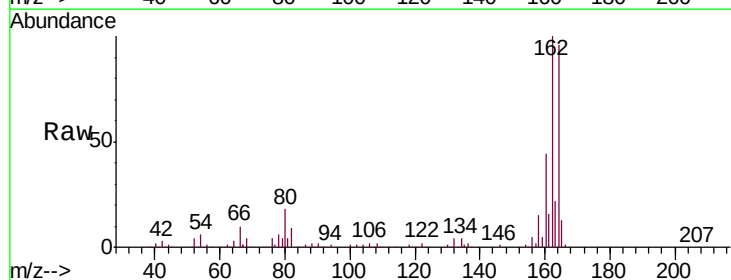
Instrument :
BNA_G
ClientSampleId :
RN-SOIL

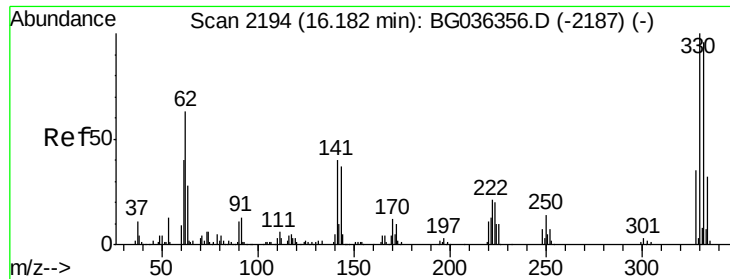
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Tgt Ion:164 Resp: 127973
Ion Ratio Lower Upper
164 100
162 103.7 80.7 121.1
160 46.1 35.3 52.9

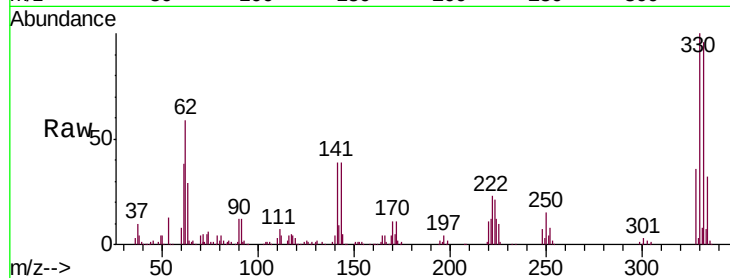




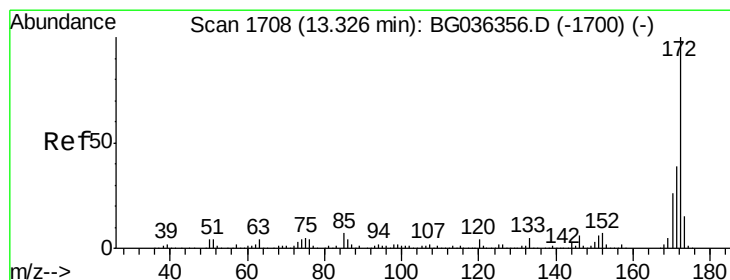
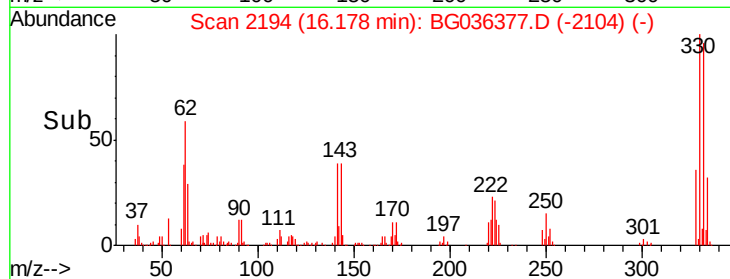
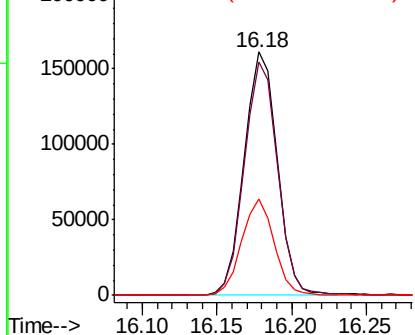
#41
 2,4,6-Tribromophenol
 Concen: 161.810 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036377.D
 Acq: 23 Aug 2018 13:30

Instrument :
 BNA_G
 ClientSampleId :
 RN-SOIL

Tgt Ion:330 Resp: 247084
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.2
 141 38.9 30.7 46.1

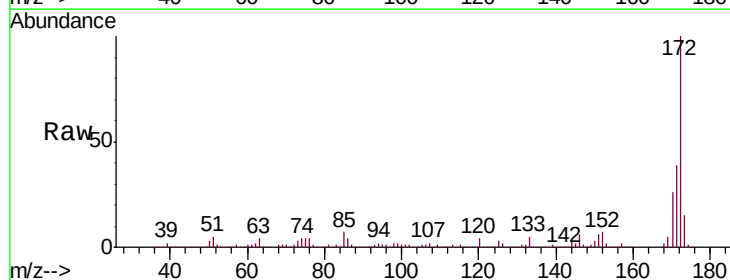


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

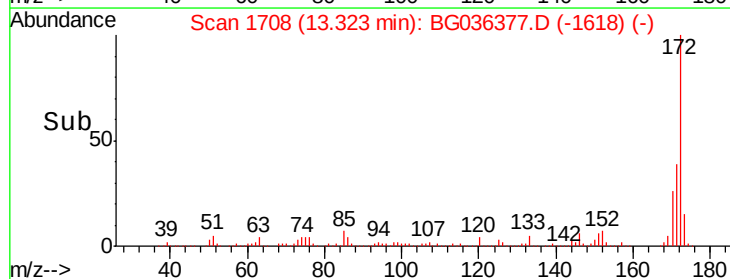
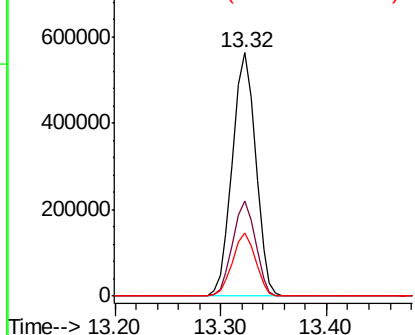


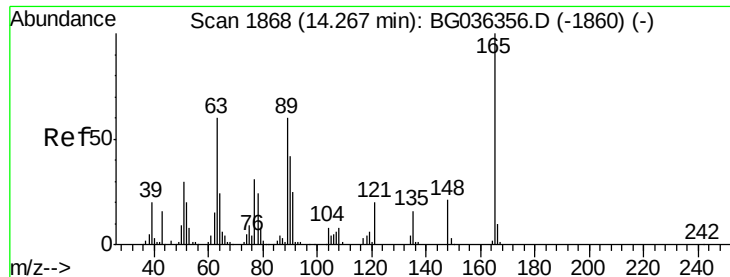
#44
 2-Fluorobiphenyl
 Concen: 96.069 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036377.D
 Acq: 23 Aug 2018 13:30

Tgt Ion:172 Resp: 861048
 Ion Ratio Lower Upper
 172 100
 171 39.0 31.3 46.9
 170 25.9 21.0 31.6



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

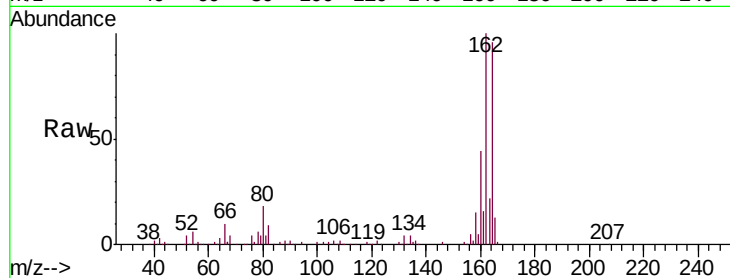




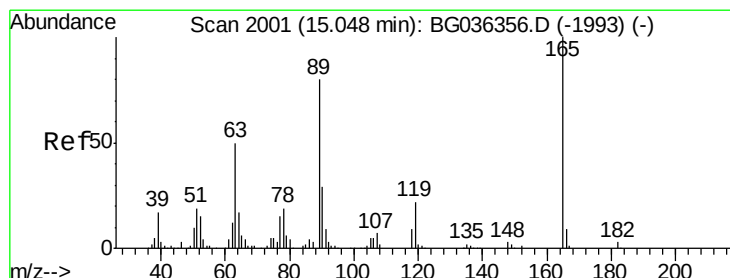
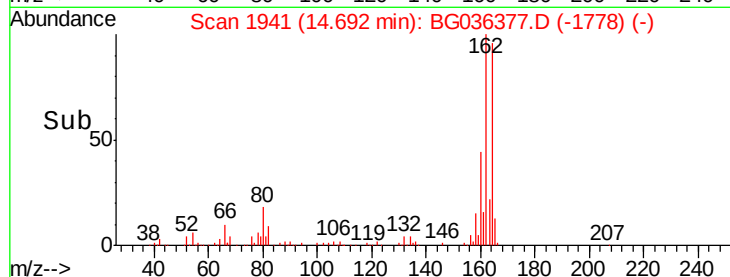
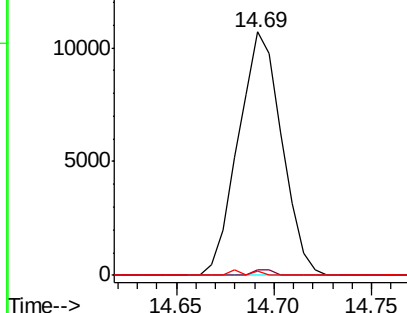
#50
 2,6-Dinitrotoluene
 Concen: 7.660 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.43 min
 Lab File: BG036377.D
 Acq: 23 Aug 2018 13:30

Instrument :
 BNA_G
 ClientSampled :
 RN-SOIL

Tgt Ion:165 Resp: 16471
 Ion Ratio Lower Upper
 165 100
 63 2.0 50.1 75.1#
 89 1.9 47.8 71.6#

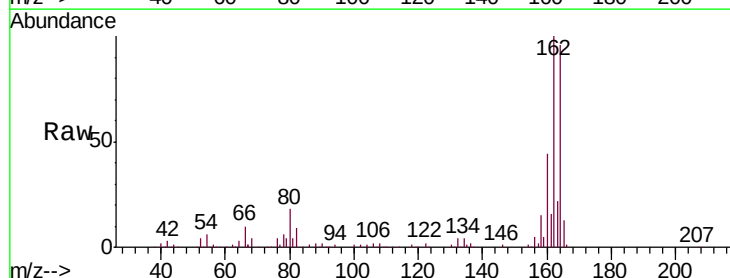


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

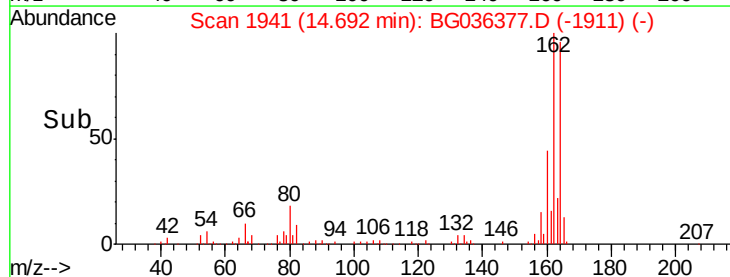
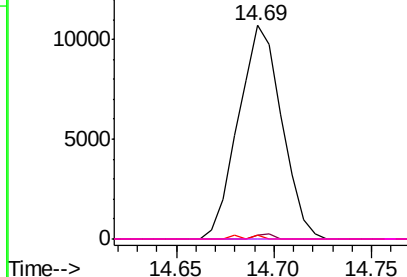


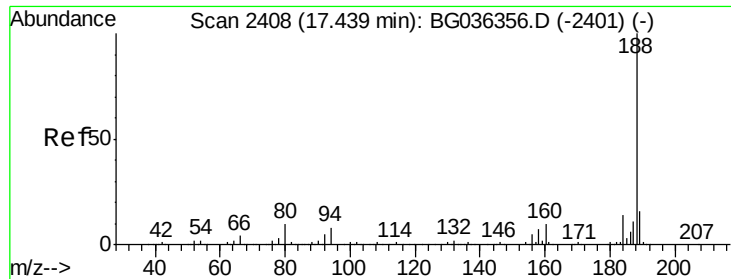
#56
 2,4-Dinitrotoluene
 Concen: 5.877 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG036377.D
 Acq: 23 Aug 2018 13:30

Tgt Ion:165 Resp: 16471
 Ion Ratio Lower Upper
 165 100
 63 2.0 40.1 60.1#
 89 1.9 63.7 95.5#
 182 0.0 2.5 3.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

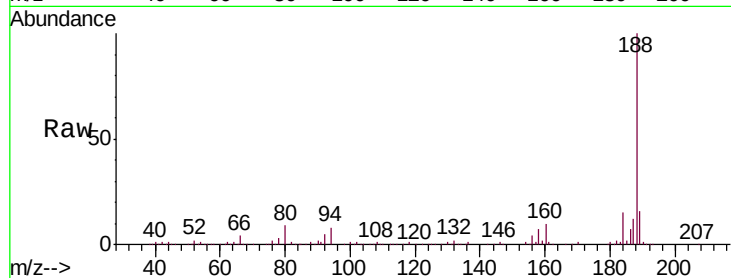




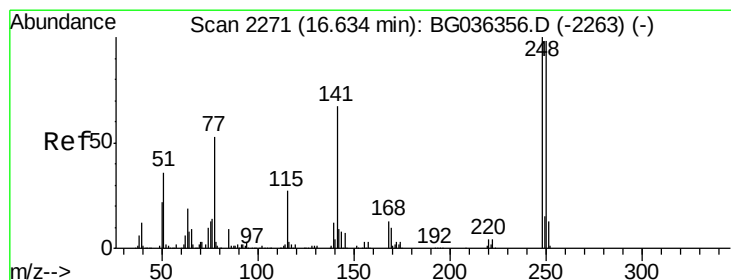
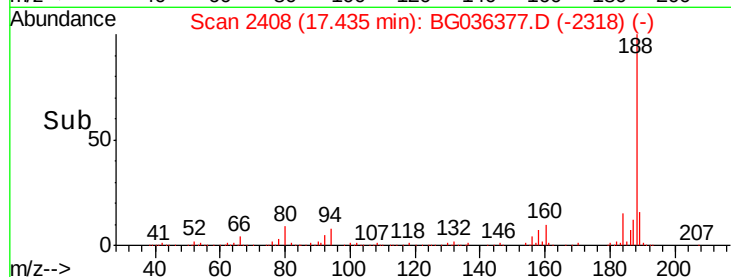
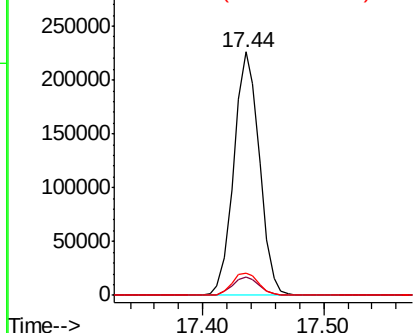
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Instrument :
BNA_G
ClientSampleId :
RN-SOIL

Tgt Ion:188 Resp: 334459
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 9.4 8.1 12.1

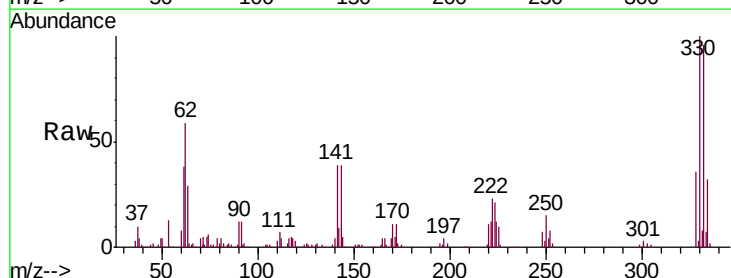


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

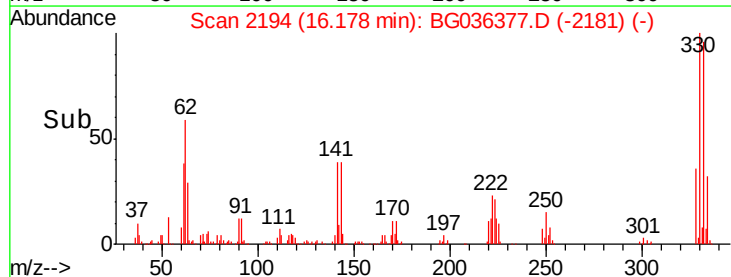
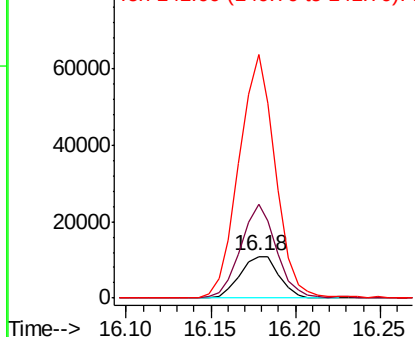


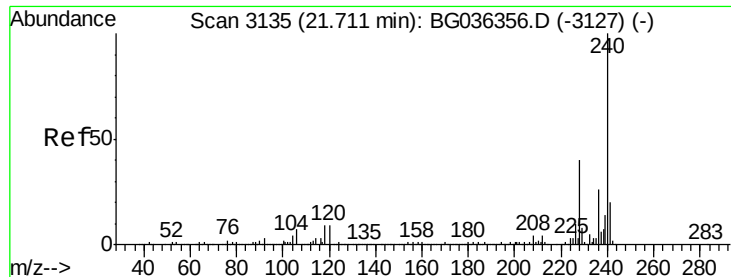
#66
4-Bromophenyl-phenylether
Concen: 4.476 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.46 min
Lab File: BG036377.D
Acq: 23 Aug 2018 13:30

Tgt Ion:248 Resp: 17527
Ion Ratio Lower Upper
248 100
250 224.0 78.1 117.1#
141 584.9 53.7 80.5#



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: 21.70 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

Instrument :

BNA_G

ClientSampleId :

RN-SOIL

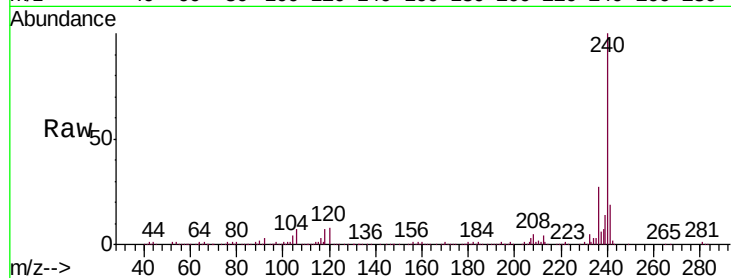
Tgt Ion:240 Resp: 388938

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

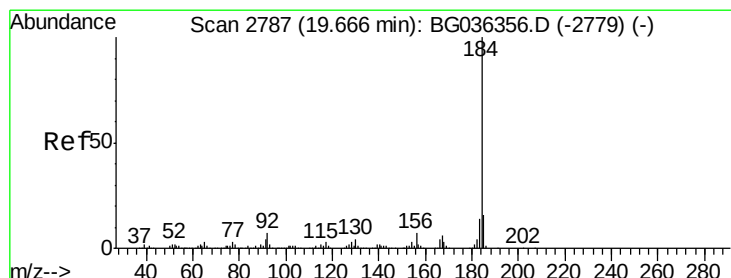
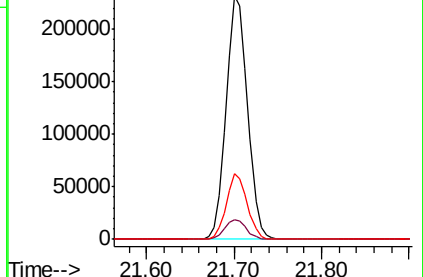
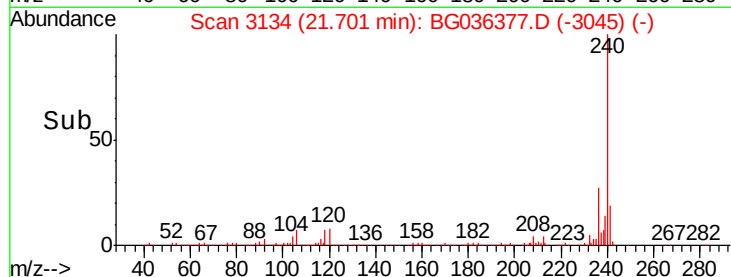
236 26.9 21.2 31.8



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: 2.370 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.38 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

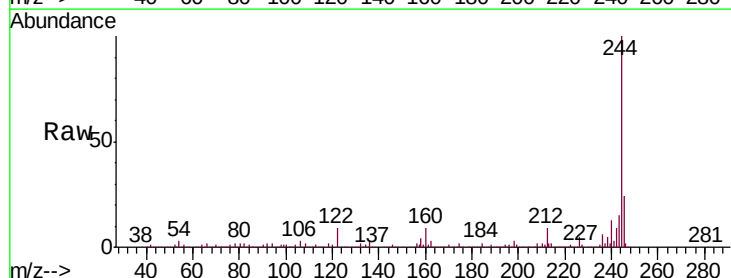
Tgt Ion:184 Resp: 29413

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

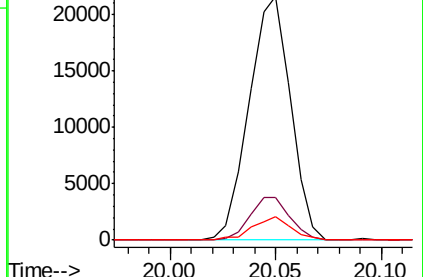
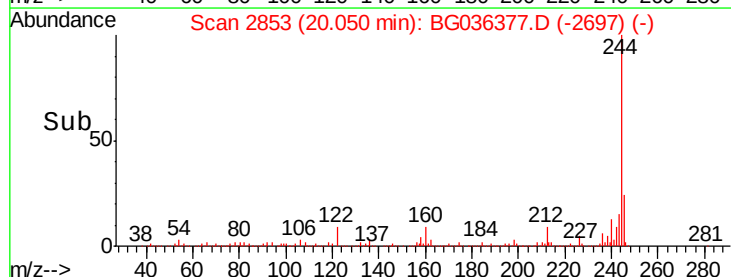
183 9.9 10.9 16.3#

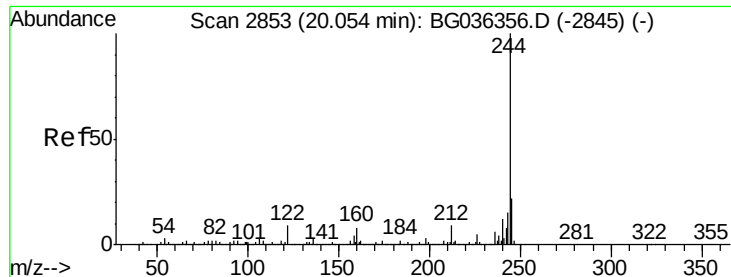


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.036 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

Instrument :

BNA_G

ClientSampleId :

RN-SOIL

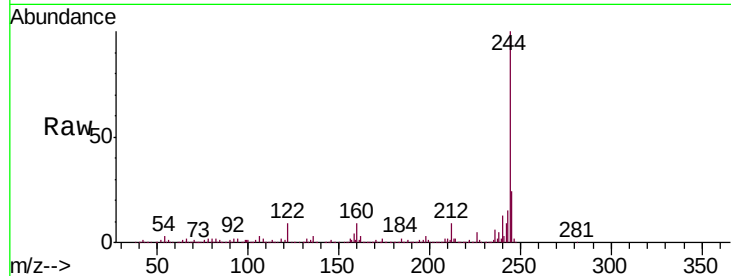
Tgt Ion:244 Resp: 1647983

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

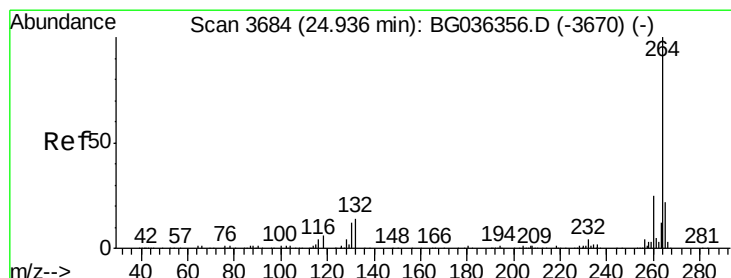
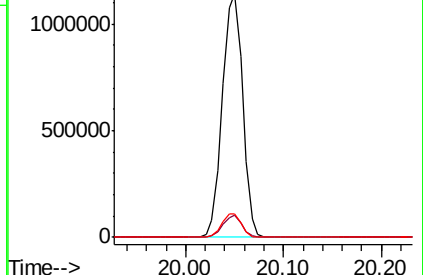
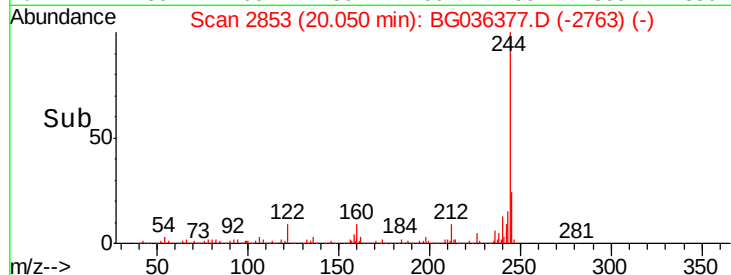
122 9.4 7.1 10.7



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: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG036377.D

Acq: 23 Aug 2018 13:30

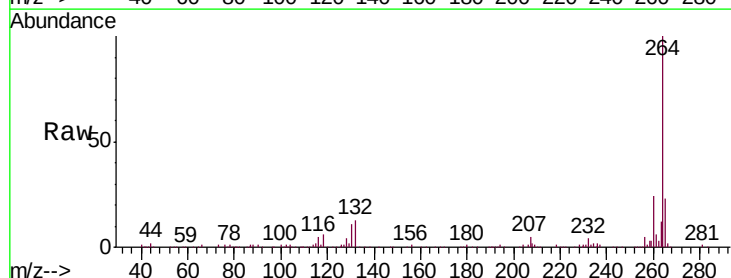
Tgt Ion:264 Resp: 384709

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 22.6 17.4 26.0



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

