

Data File : BG042266.D
Acq On : 16 Aug 2019 19:14
Operator : HP/JU
Sample : K4372-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-COMPOSITE

Quant Time: Aug 17 00:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

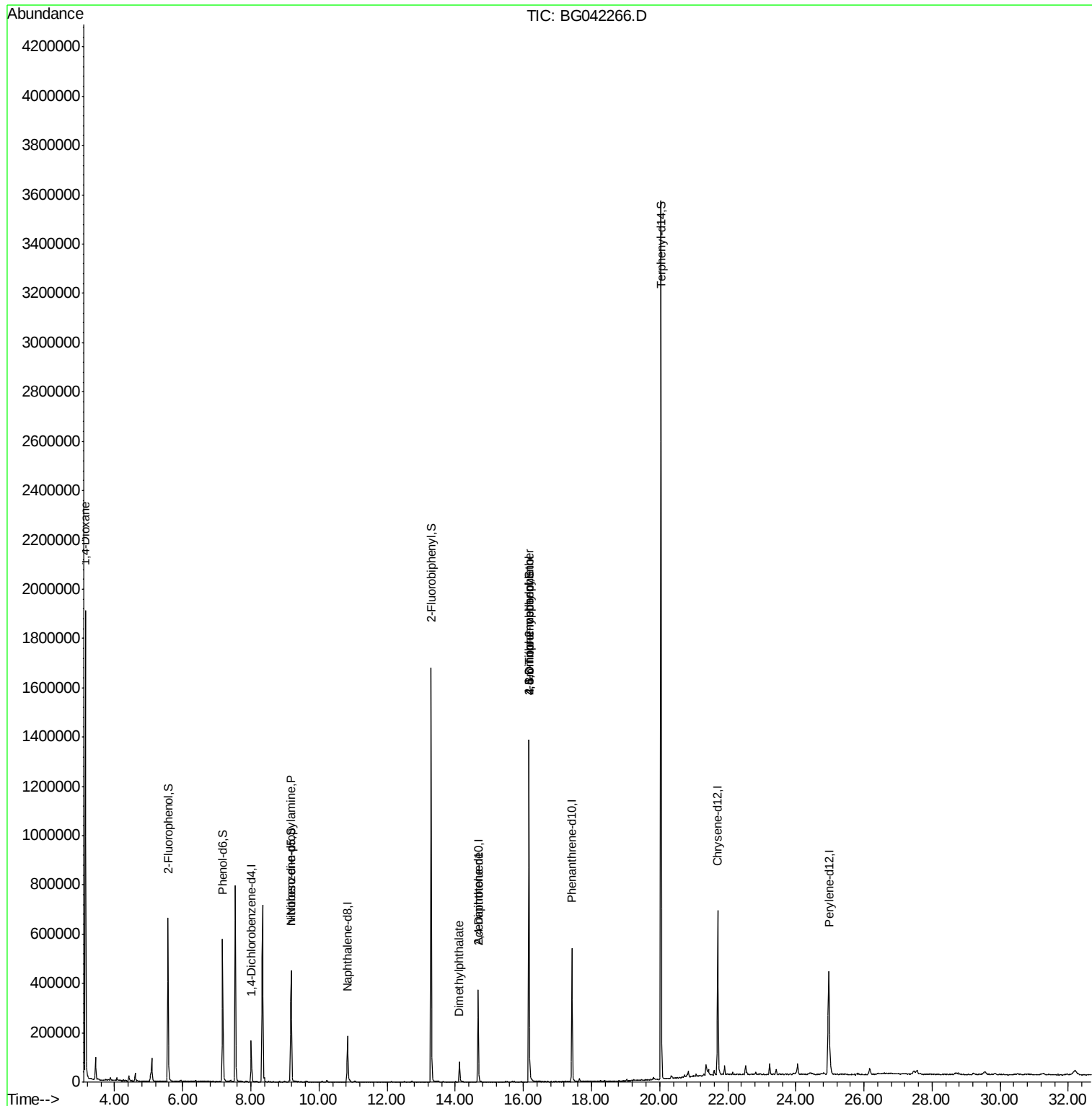
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	55347	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	206979	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	152016	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	370225	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	433155	20.00	ng	-0.03
87) Perylene-d12	24.97	264	501488	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	342512	120.40	ng	-0.02
7) Phenol-d6	7.17	99	399825	104.25	ng	-0.02
23) Nitrobenzene-d5	9.18	82	306950	102.05	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	336475	194.87	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	960684	111.46	ng	-0.03
79) Terphenyl-d14	20.04	244	1837385	97.06	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	17662	13.191	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	38750	13.917	ng	# 67
50) Dimethylphthalate	14.12	163	79735	7.680	ng	# 99
57) 2,4-Dinitrotoluene	14.67	165	19838	6.645	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	831	7.245	ng	# 22
67) 4-Bromophenyl-phenylether	16.17	248	22807	5.001	ng	# 1

(#) = 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# 838

Delta R.T. -0.03 min

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SOIL-COMPOSITE

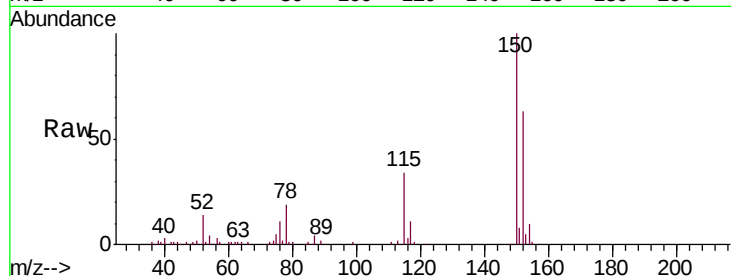
Tgt Ion:152 Resp: 55347

Ion Ratio Lower Upper

152 100

150 157.7 126.9 190.3

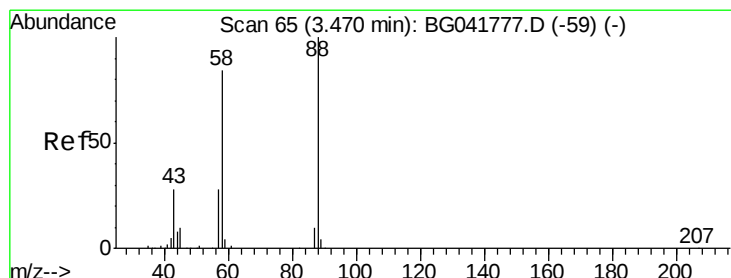
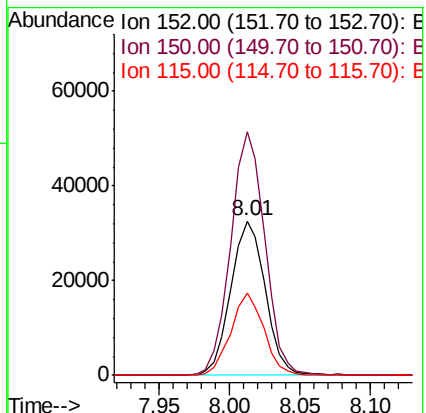
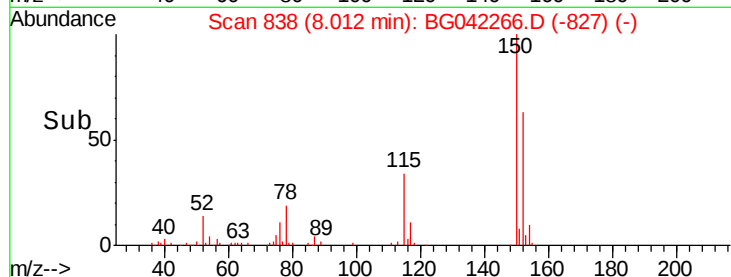
115 53.0 45.0 67.6



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



#2

1,4-Dioxane

Concen: 13.191 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

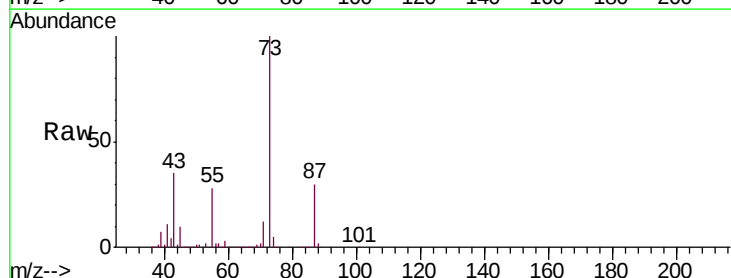
Tgt Ion: 88 Resp: 17662

Ion Ratio Lower Upper

88 100

58 28.0 76.2 114.2#

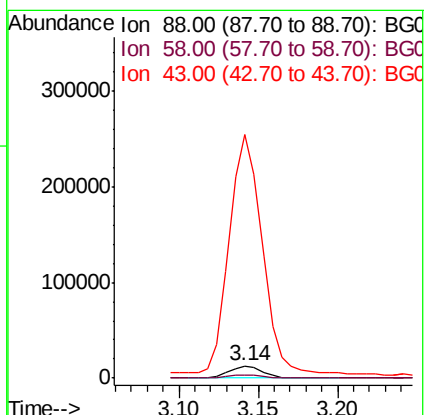
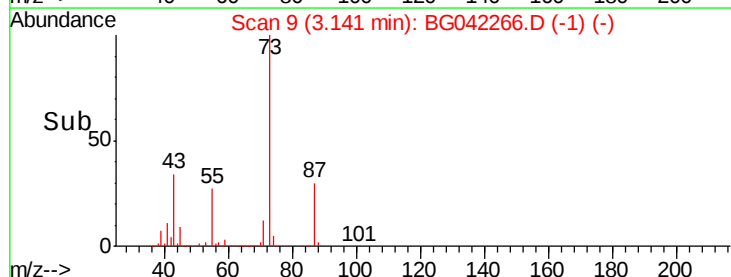
43 2100.7 27.2 40.8#

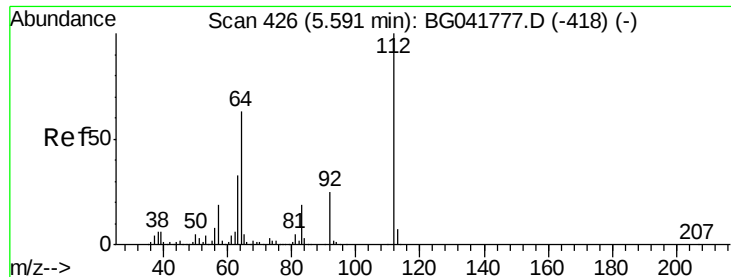


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 120.404 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

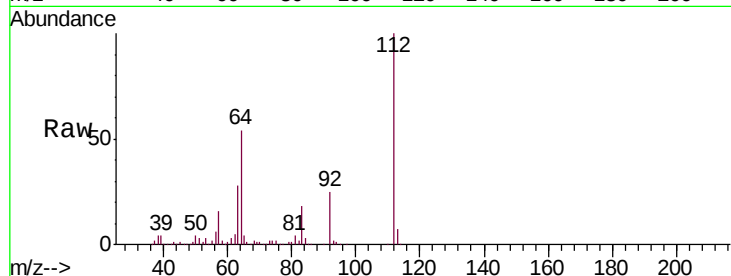
Tgt Ion: 112 Resp: 342512

Ion Ratio Lower Upper

112 100

64 54.0 55.4 83.2#

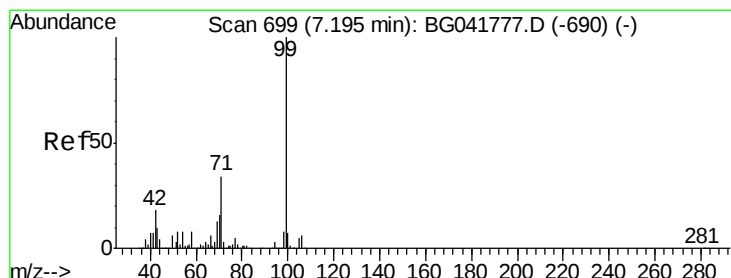
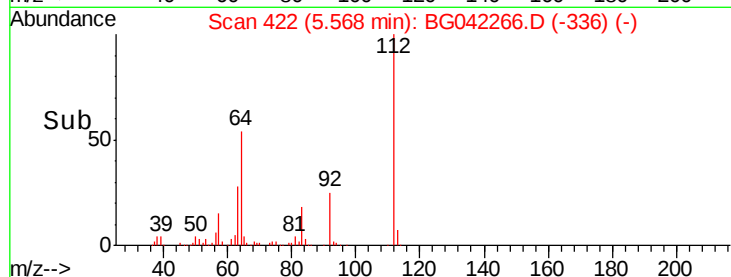
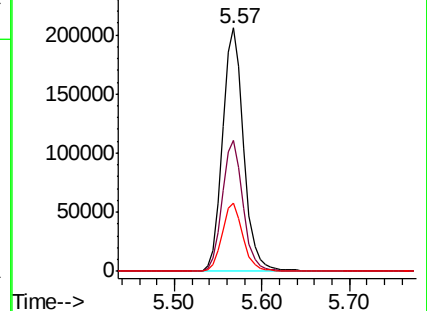
63 28.3 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 104.254 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

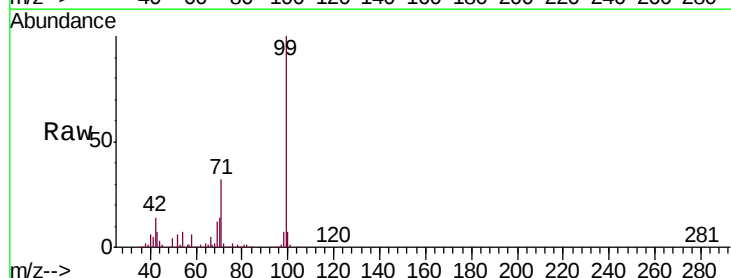
Tgt Ion: 99 Resp: 399825

Ion Ratio Lower Upper

99 100

42 14.2 17.6 26.4#

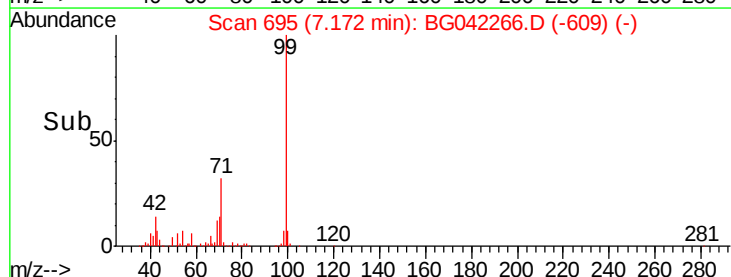
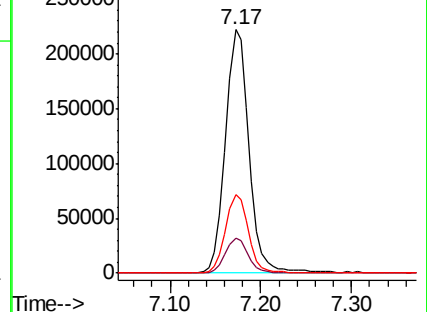
71 32.0 27.8 41.6

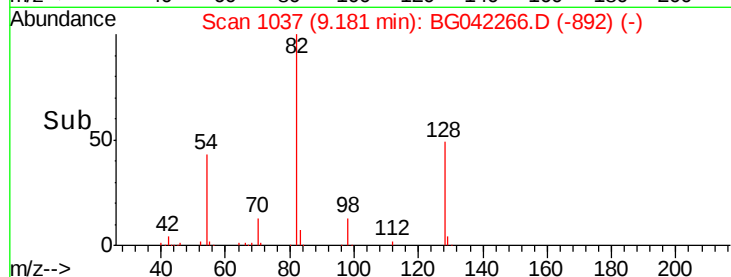
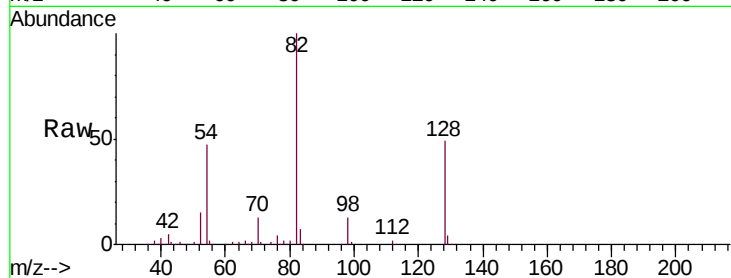
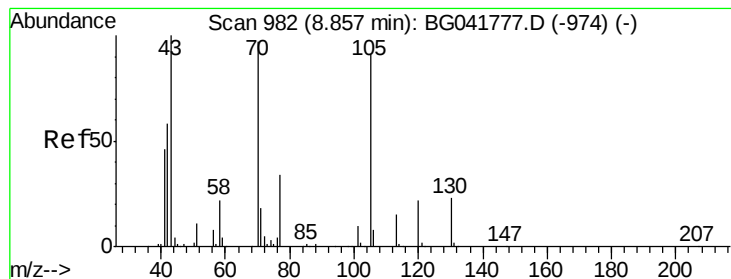


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.917 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.32 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

Tgt Ion: 70 Resp: 38750

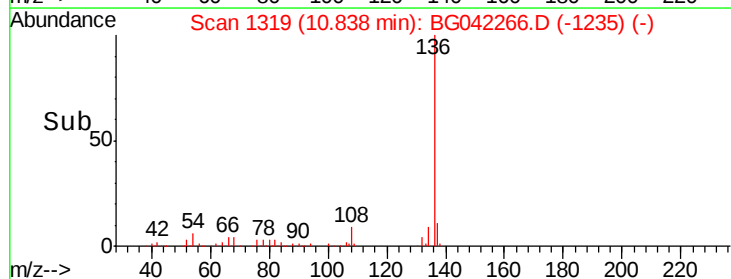
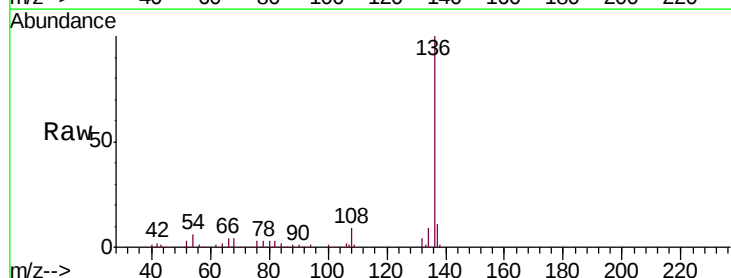
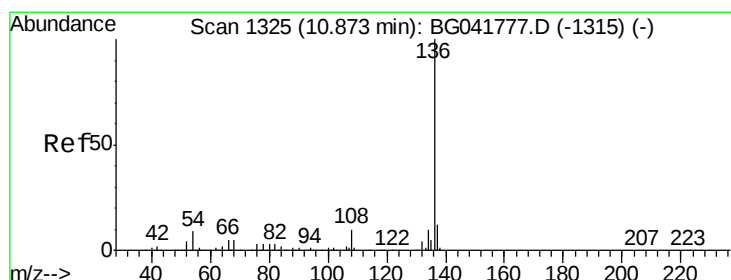
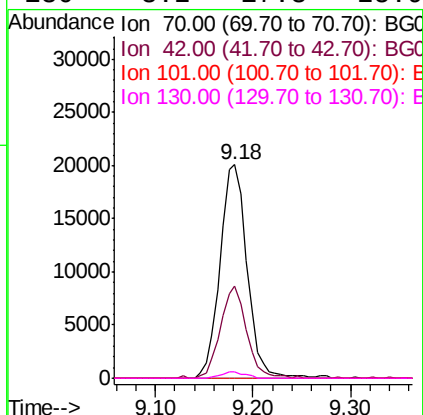
Ion Ratio Lower Upper

70 100

42 43.5 55.8 83.6#

101 0.0 8.1 12.1#

130 3.2 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Tgt Ion: 136 Resp: 206979

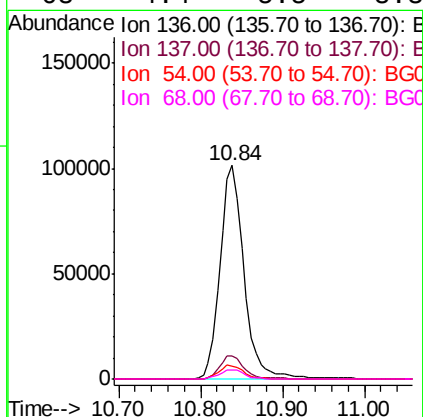
Ion Ratio Lower Upper

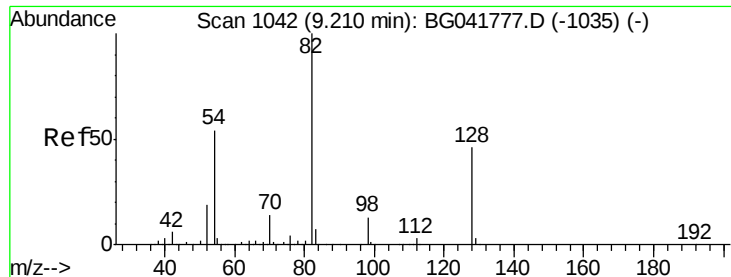
136 100

137 10.5 9.2 13.8

54 5.9 8.7 13.1#

68 4.4 5.5 8.3#

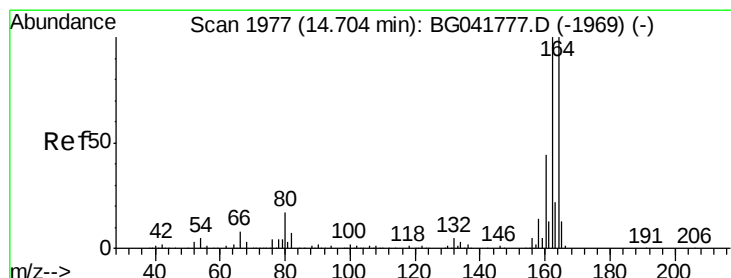
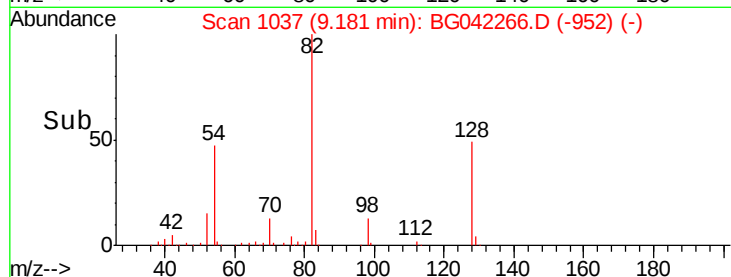
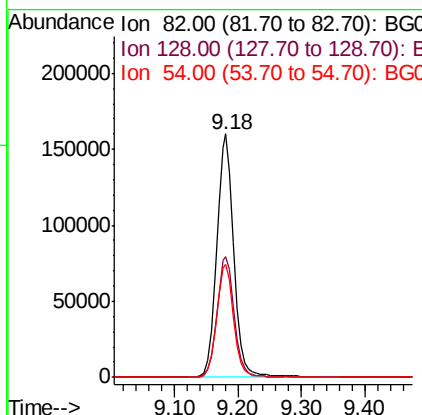
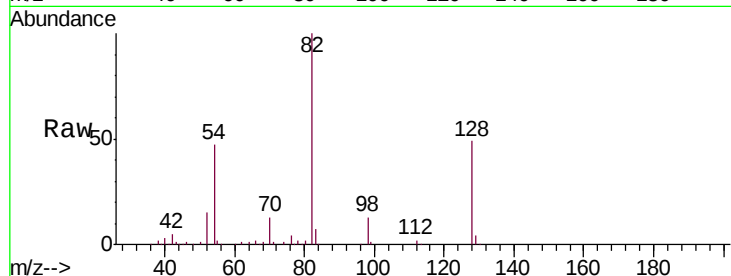




#23
 Nitrobenzene-d5
 Concen: 102.054 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042266.D
 Acq: 16 Aug 2019 19:14

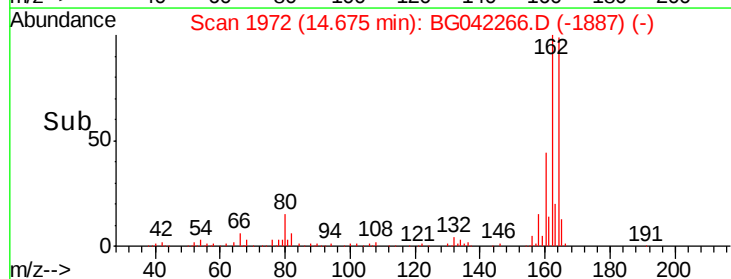
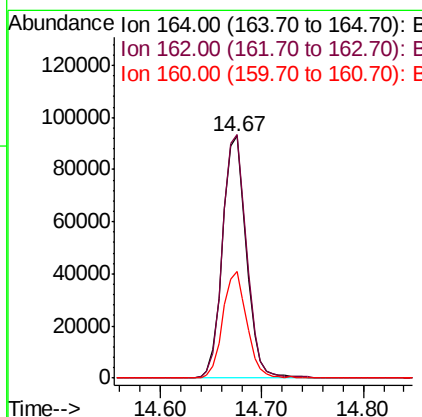
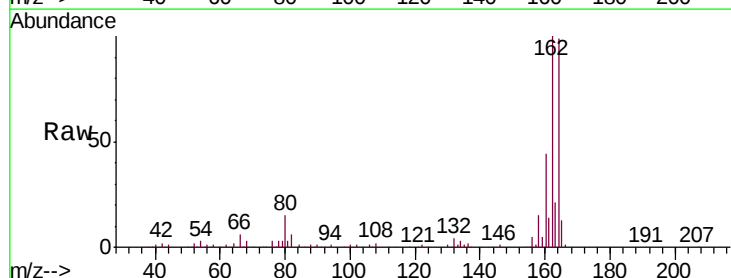
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMPOSITE

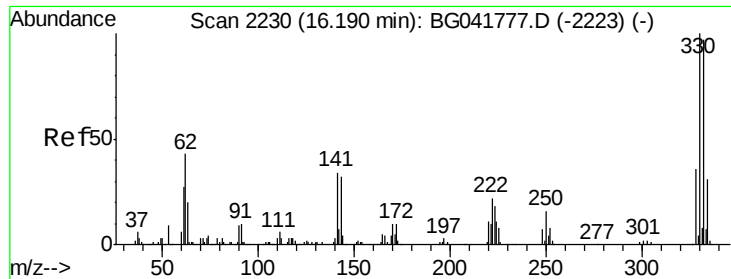
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	35.1	52.7
54	46.6	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.03 min
 Lab File: BG042266.D
 Acq: 16 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.6	119.4
160	43.9	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 194.867 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

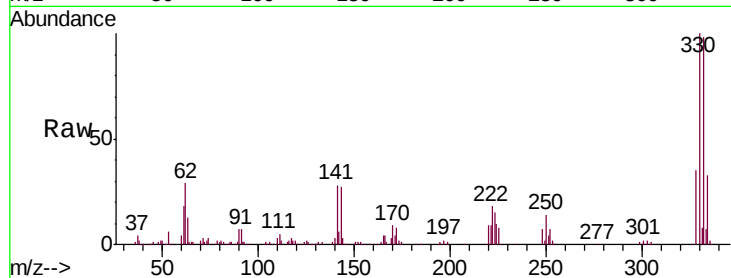
Tgt Ion:330 Resp: 336475

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

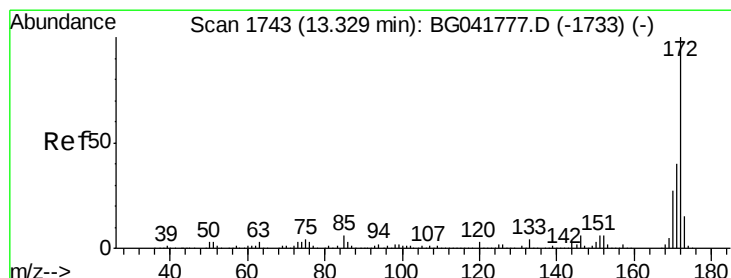
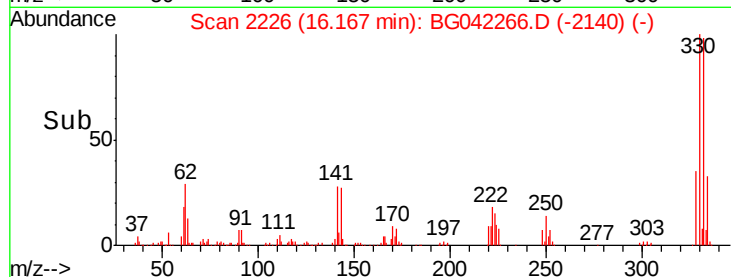
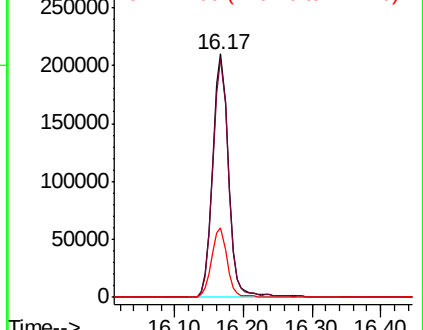
141 28.0 31.9 47.9#



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



#45

2-Fluorobiphenyl

Concen: 111.461 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.03 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

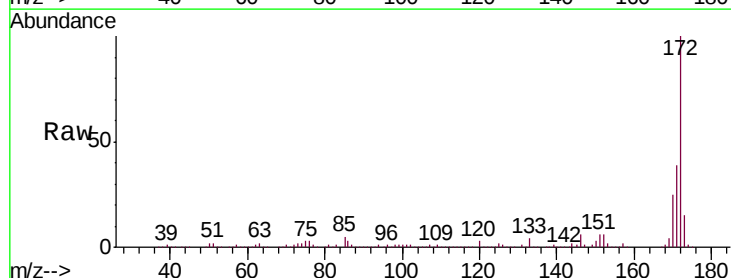
Tgt Ion:172 Resp: 960684

Ion Ratio Lower Upper

172 100

171 38.7 35.0 52.4

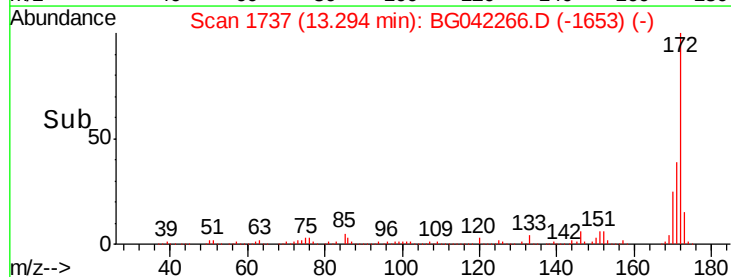
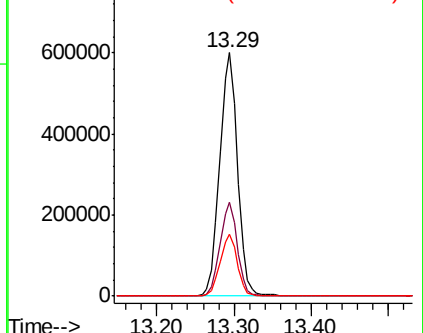
170 25.3 23.5 35.3

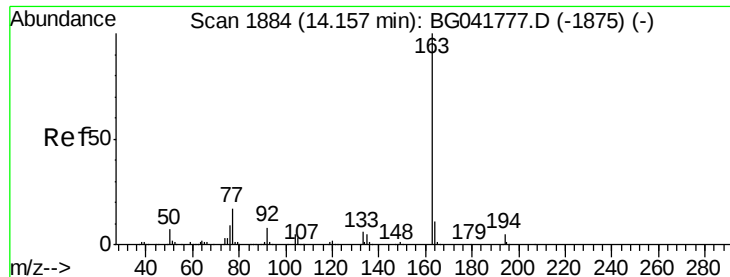


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.680 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.03 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

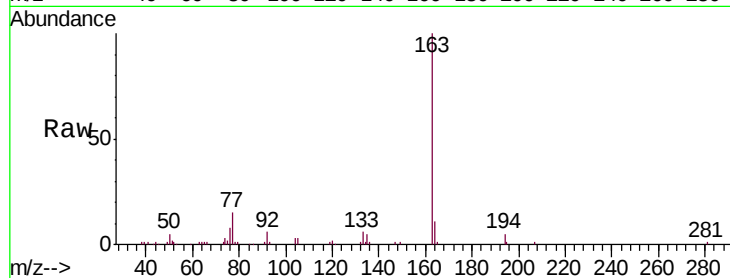
Tgt Ion:163 Resp: 79735

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

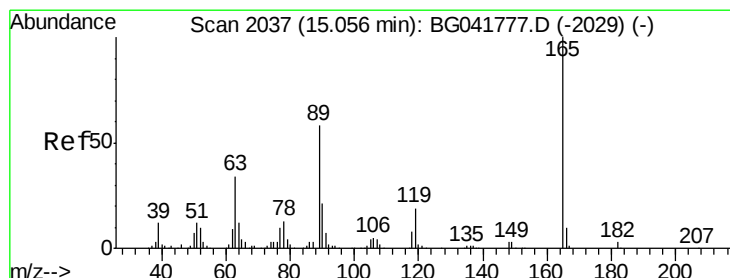
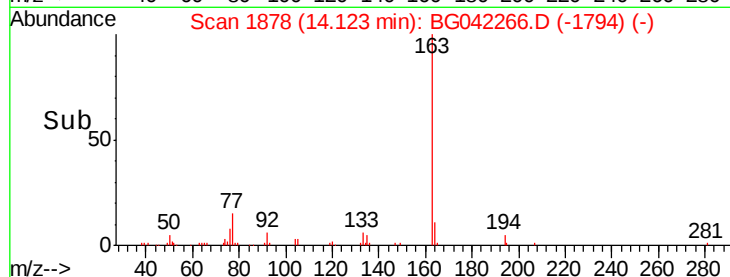
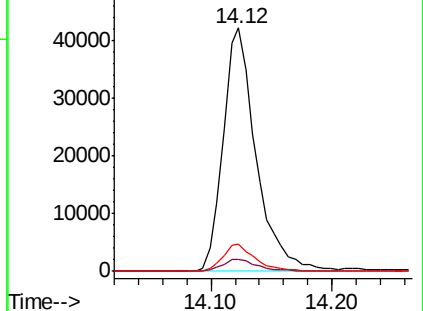
164 11.5 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.645 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Tgt Ion:165 Resp: 19838

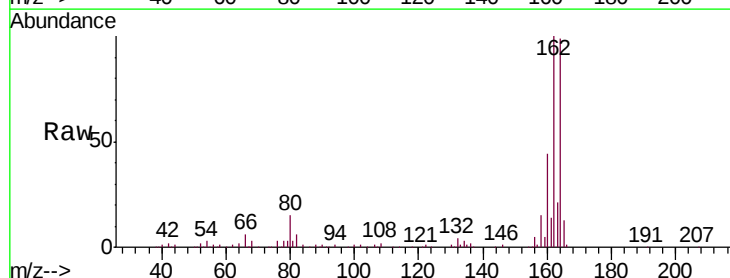
Ion Ratio Lower Upper

165 100

63 0.0 31.7 47.5#

89 1.4 50.2 75.4#

182 0.0 2.6 4.0#

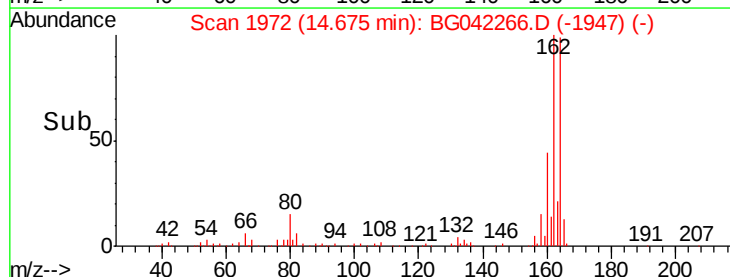
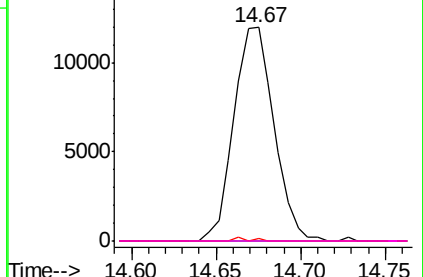


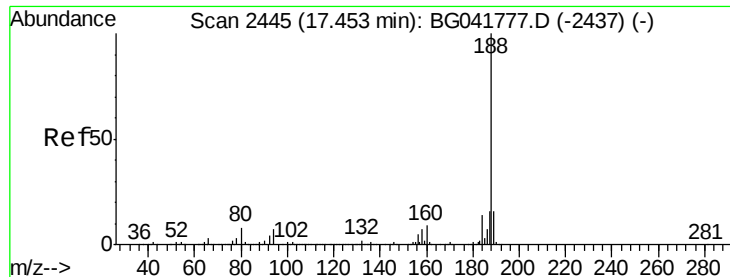
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.03 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

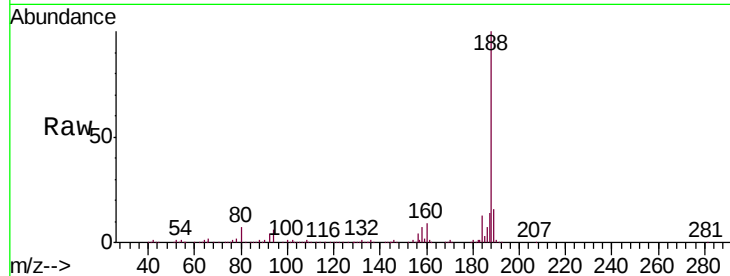
Tgt Ion:188 Resp: 370225

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

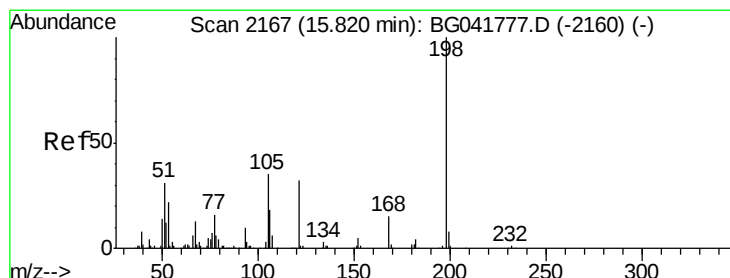
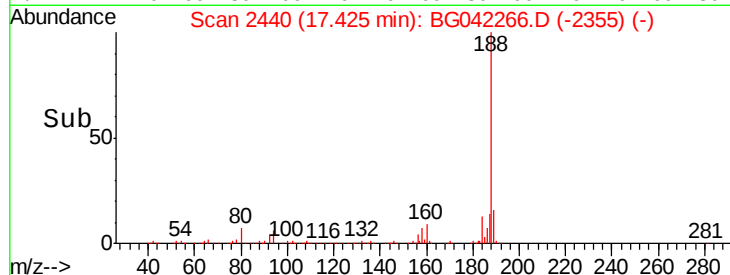
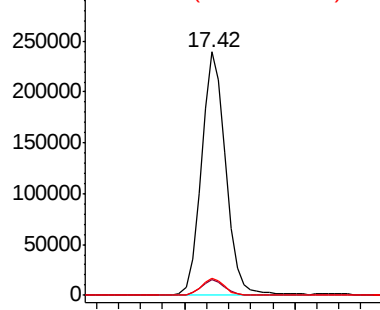
80 7.1 8.0 12.0#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.245 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.34 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

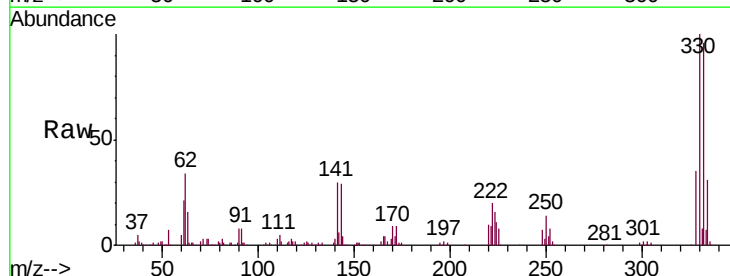
Tgt Ion:198 Resp: 831

Ion Ratio Lower Upper

198 100

51 56.1 22.3 62.3

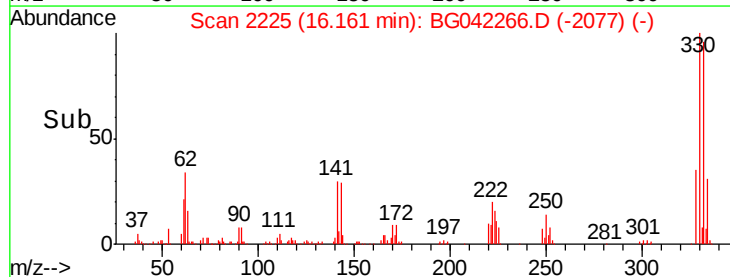
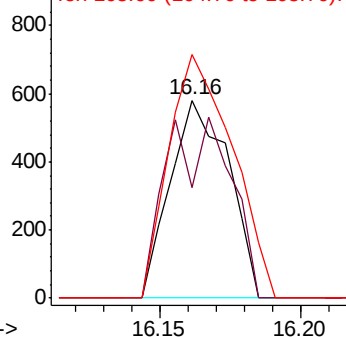
105 122.9 18.0 58.0#

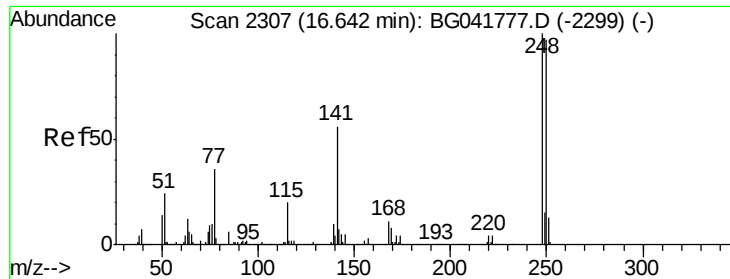


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

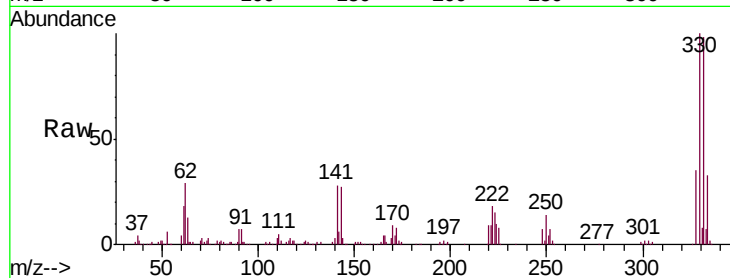




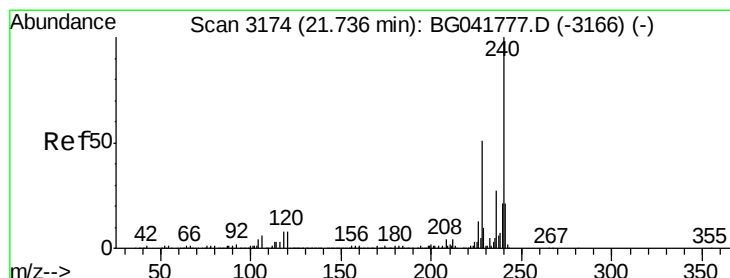
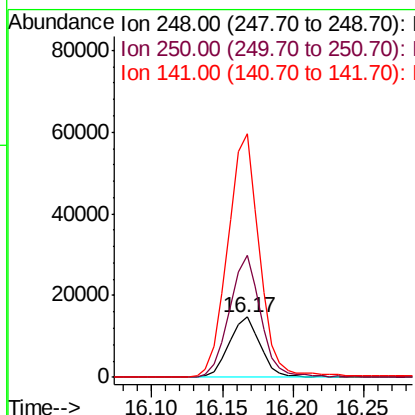
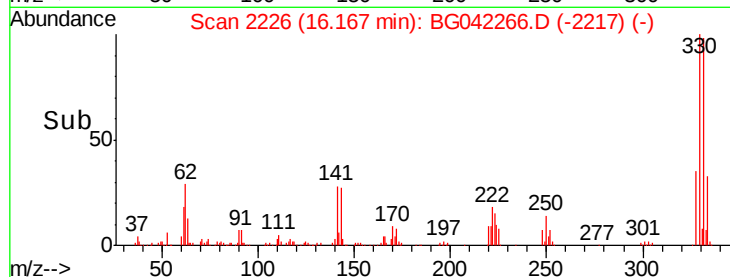
#67
 4-Bromophenyl-phenylether
 Concen: 5.001 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.48 min
 Lab File: BG042266.D
 Acq: 16 Aug 2019 19:14

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMPOSITE

Tgt Ion:248 Resp: 22807
 Ion Ratio Lower Upper
 248 100
 250 203.0 78.1 117.1#
 141 404.6 49.6 74.4#

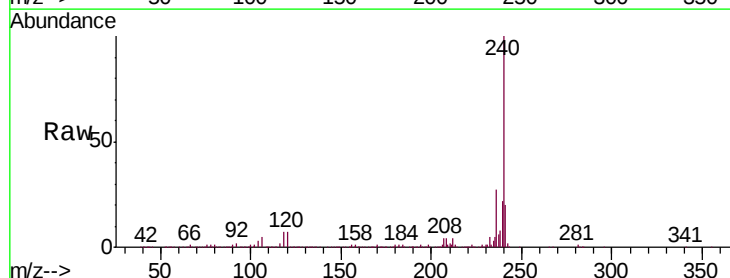


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

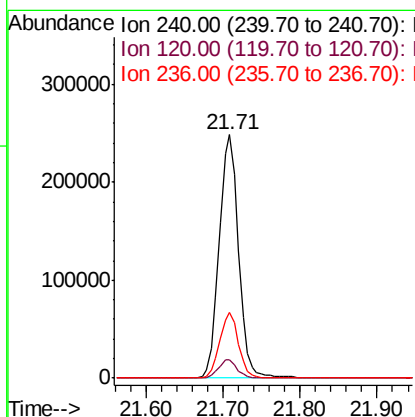
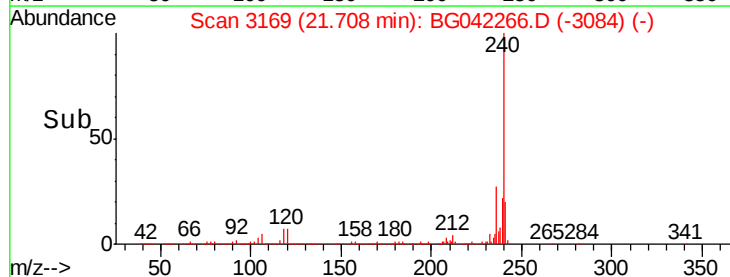


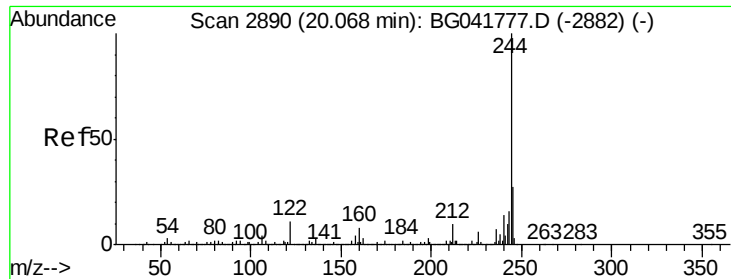
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.03 min
 Lab File: BG042266.D
 Acq: 16 Aug 2019 19:14

Tgt Ion:240 Resp: 433155
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.0 12.0#
 236 26.8 22.6 33.8



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





#79

Terphenyl-d14

Concen: 97.065 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.03 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

Instrument :

BNA_G

ClientSampleId :

SOIL-COMPOSITE

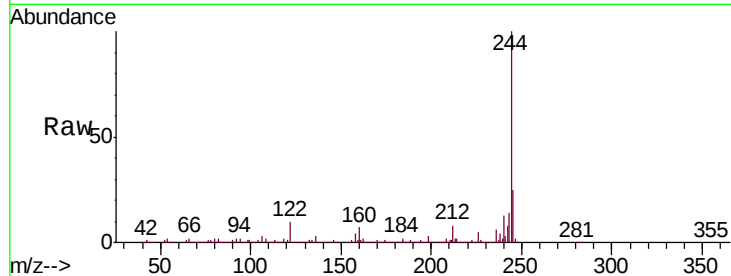
Tgt Ion:244 Resp: 1837385

Ion Ratio Lower Upper

244 100

212 8.5 9.7 14.5#

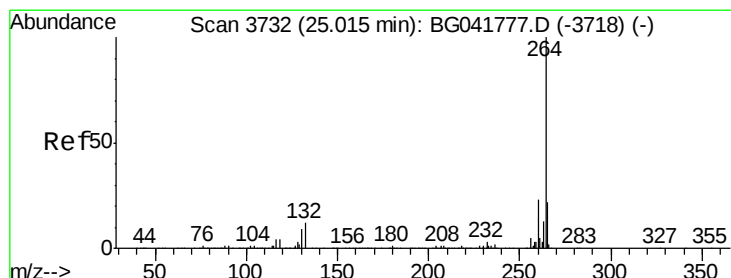
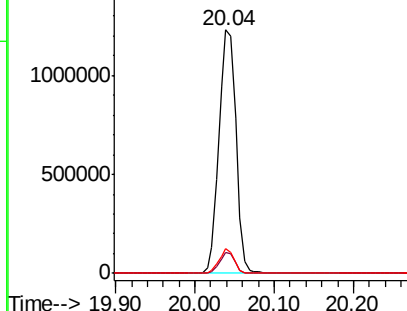
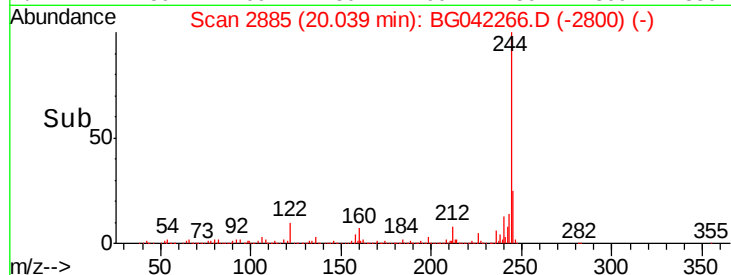
122 9.9 12.5 18.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3724

Delta R.T. -0.05 min

Lab File: BG042266.D

Acq: 16 Aug 2019 19:14

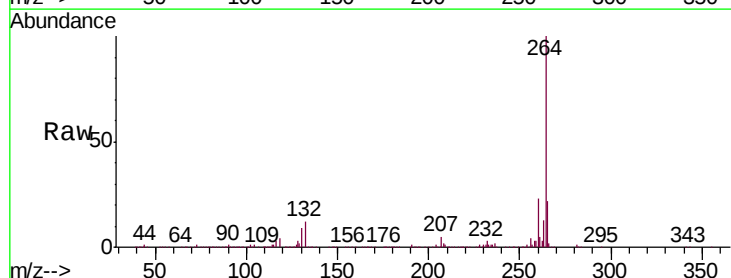
Tgt Ion:264 Resp: 501488

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 21.5 18.0 27.0



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

