

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041720\
 Data File : BG045037.D
 Acq On : 17 Apr 2020 17:46
 Operator : CG/JU
 Sample : L2298-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 17 18:34:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	48161	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	207186	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	164323	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	417839	20.00	ng	0.00
76) Chrysene-d12	21.66	240	404551	20.00	ng	0.00
87) Perylene-d12	24.85	264	404145	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	528144	181.05	ng	0.00
7) Phenol-d6	7.18	99	758081	174.91	ng	0.00
23) Nitrobenzene-d5	9.18	82	547816	120.65	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	500806	197.28	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1369238	122.18	ng	0.00
79) Terphenyl-d14	20.01	244	2439848	131.45	ng	0.00

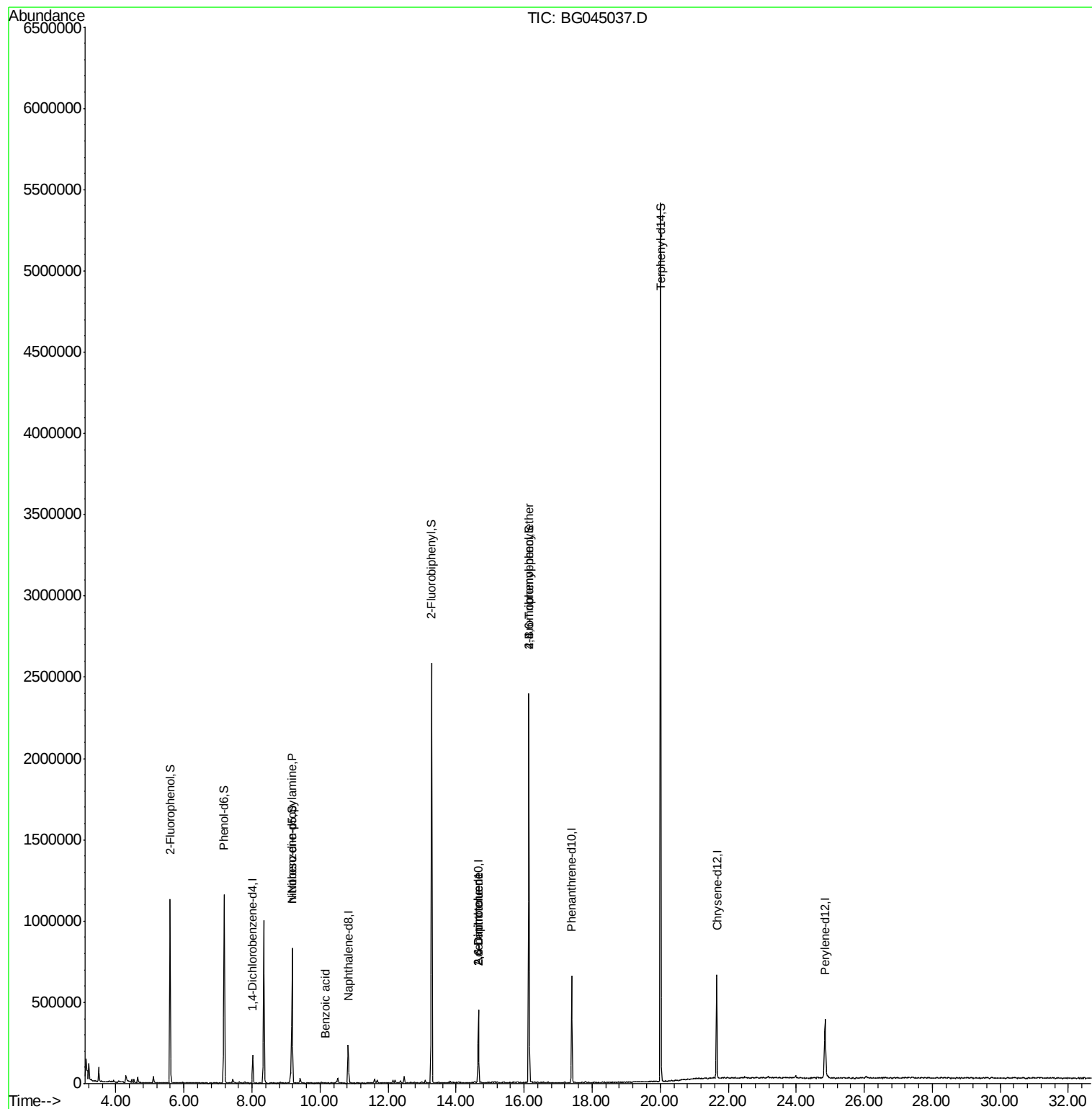
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1656	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	76236	24.872	ng	83
32) Benzoic acid	10.15	122	316	6.480	ng	67
51) 2,6-Dinitrotoluene	14.65	165	21254	7.102	ng	24
57) 2,4-Dinitrotoluene	14.65	165	21254	4.860	ng	22
67) 4-Bromophenyl-phenylether	16.14	248	34001	6.308	ng	1
69) Atrazine	16.79	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	3964	Below Cal		99
75) Fluoranthene	19.44	202	349	Below Cal		62
77) Benzidine	20.01	184	48737	Below Cal	#	82

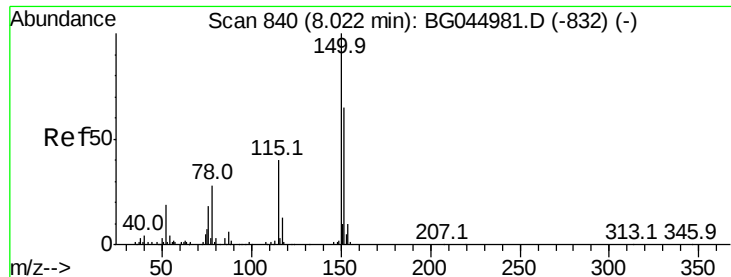
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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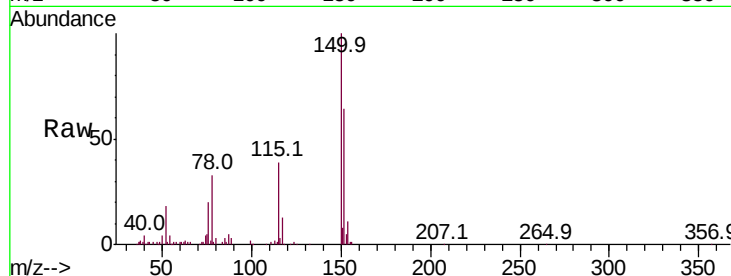


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.6	185.4
115	60.1	49.1	73.7

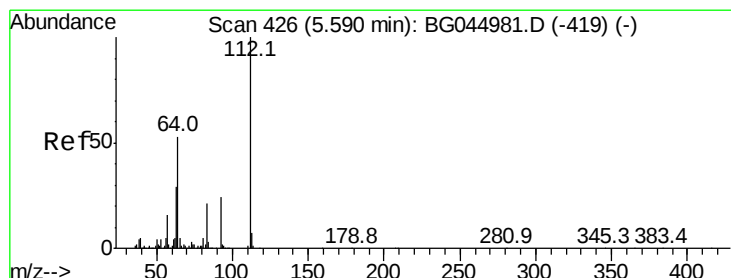
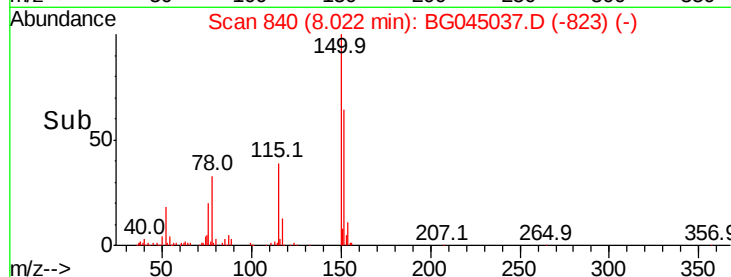
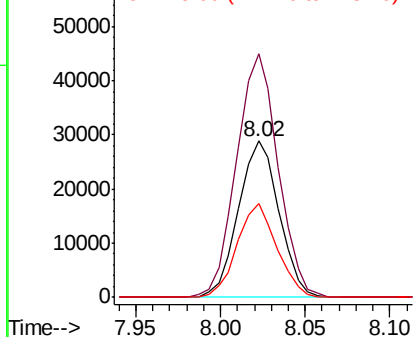


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

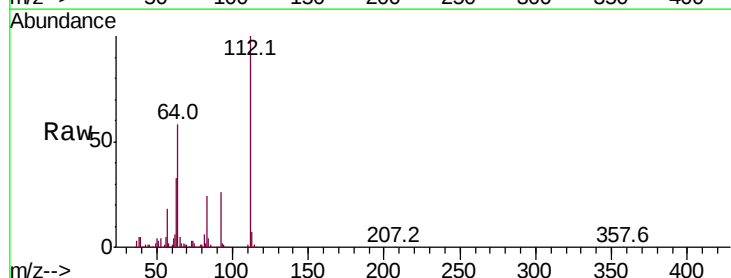
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 181.046 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	42.4	63.6
63	33.0	23.1	34.7

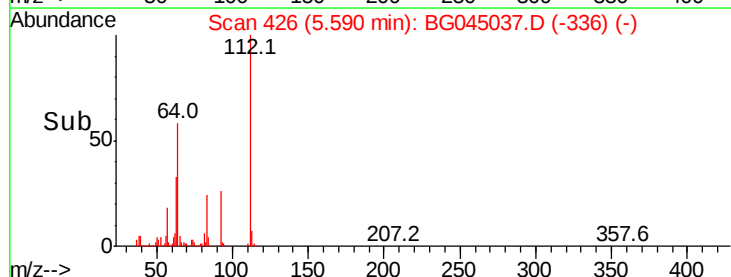
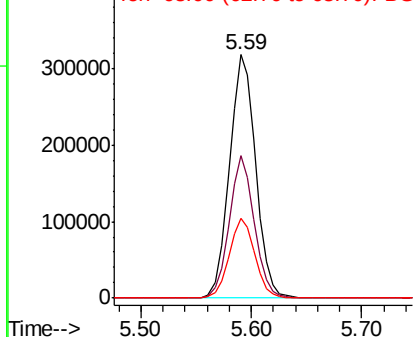


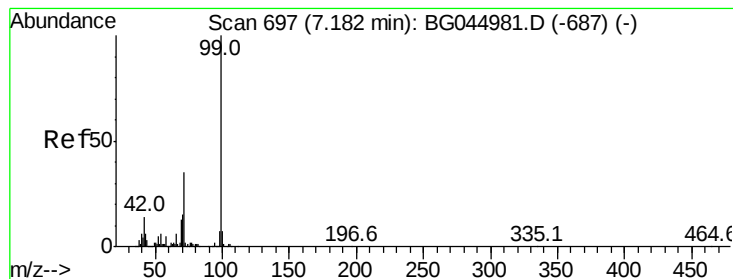
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 174.907 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

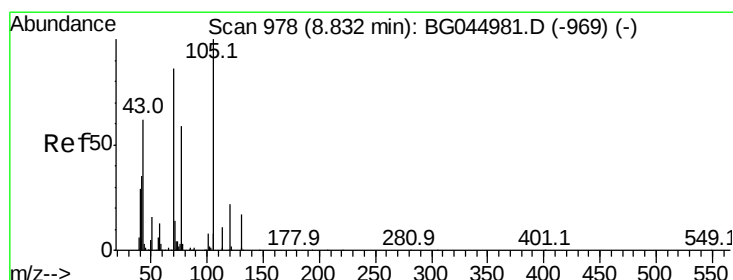
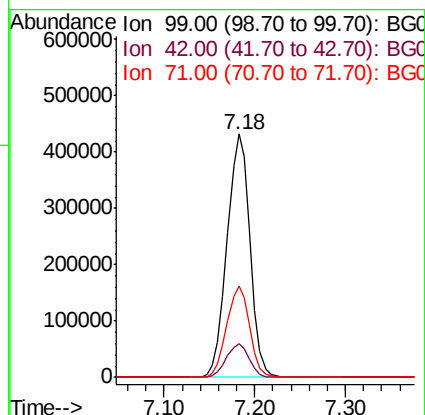
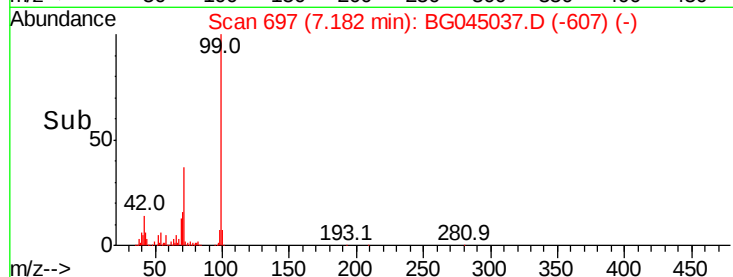
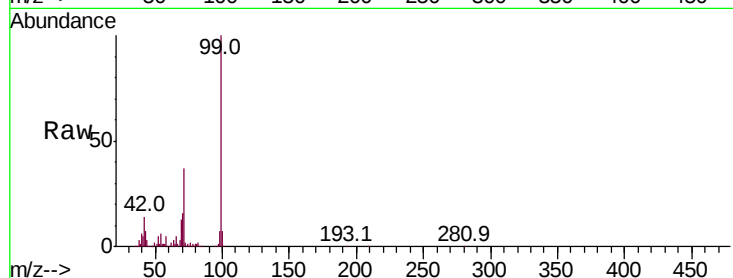
Tot Ion: 99 Resp: 758081

Ion Ratio Lower Upper

99 100

42 14.0 11.3 16.9

71 37.4 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 24.872 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Tgt Ion: 70 Resp: 76236

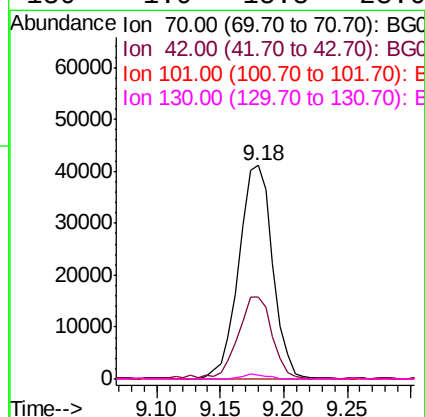
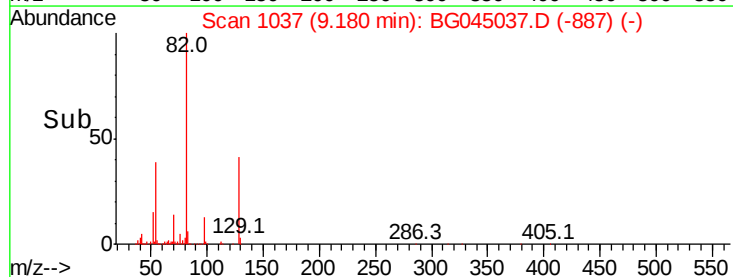
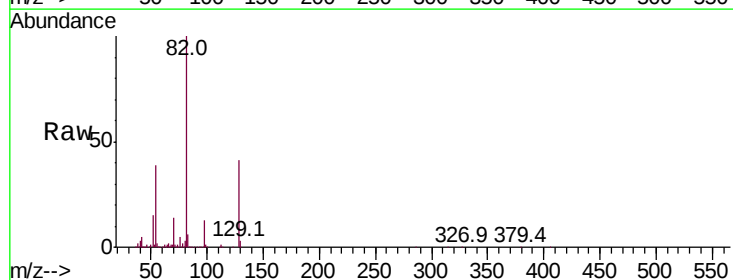
Ion Ratio Lower Upper

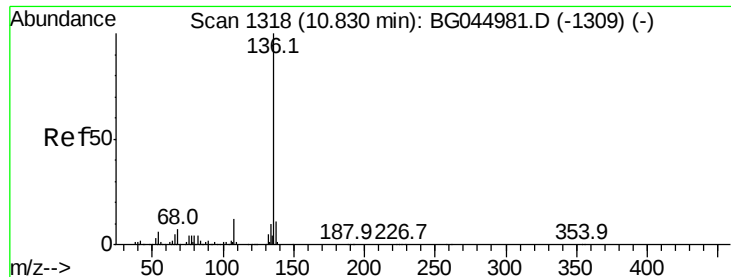
70 100

42 38.5 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

Tot Ion:136 Resp: 207186

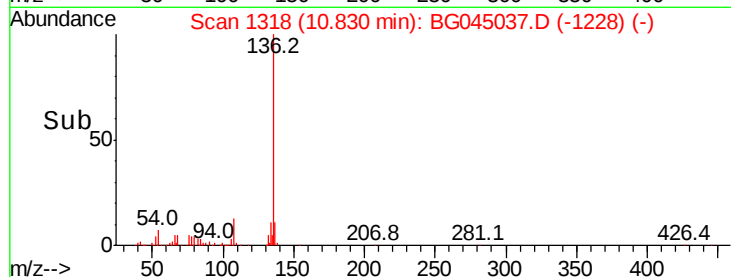
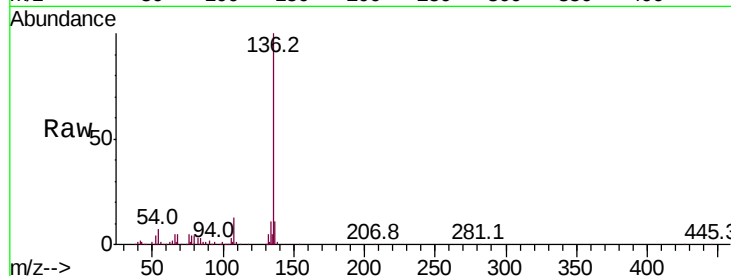
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.3 4.8 7.2#

68 5.2 5.2 7.8#

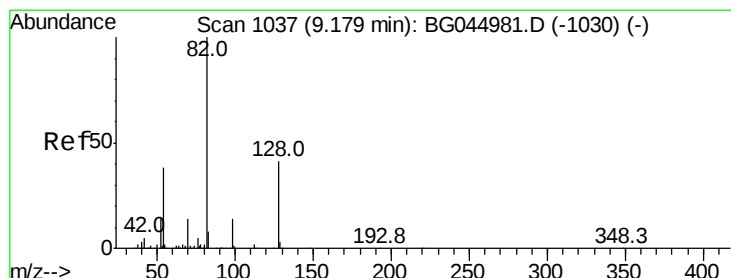
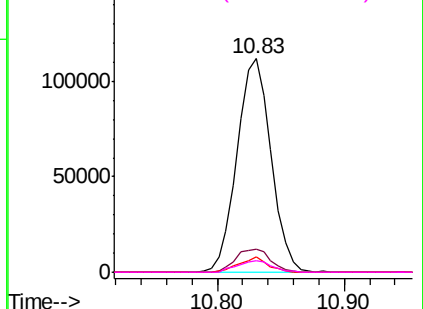


Abundance Ion 136.00 (135.70 to 136.70): E

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: 120.646 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

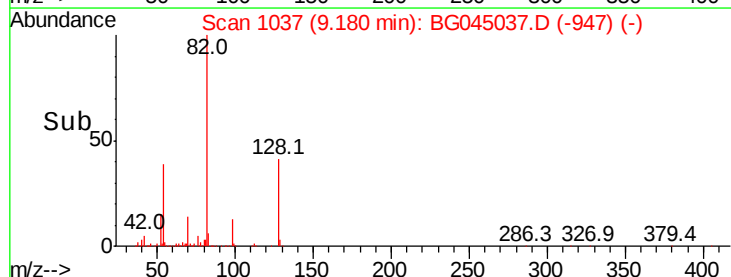
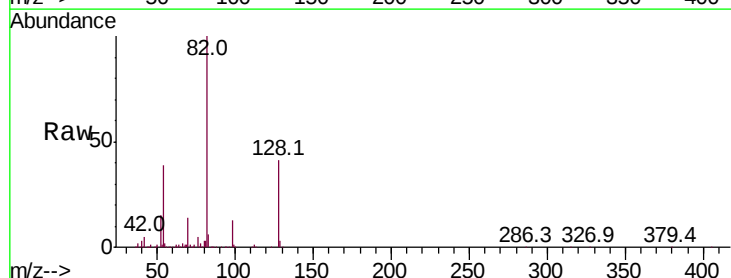
Tgt Ion: 82 Resp: 547816

Ion Ratio Lower Upper

82 100

128 40.6 33.0 49.4

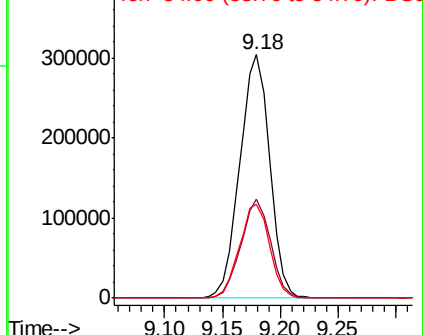
54 38.7 30.4 45.6

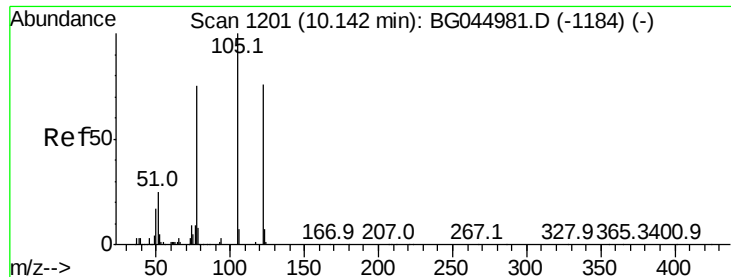


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.480 ng

RT: 10.15 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

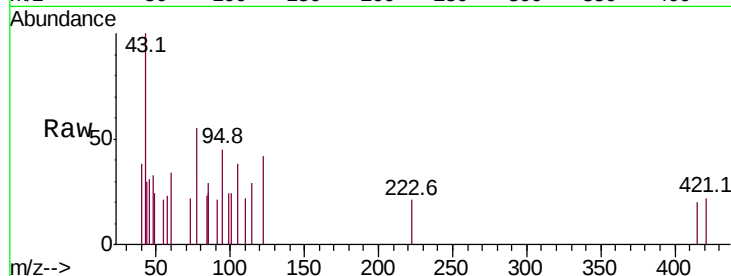
Tot Ion:122 Resp: 316

Ion Ratio Lower Upper

122 100

105 89.5 108.4 148.4#

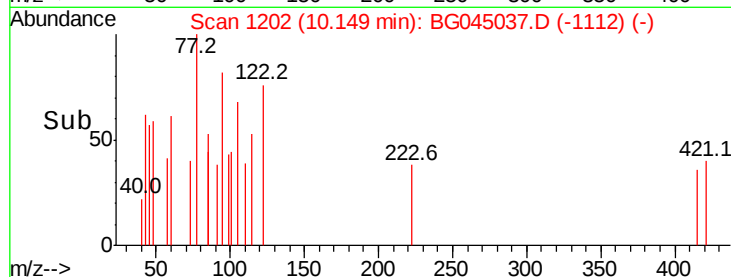
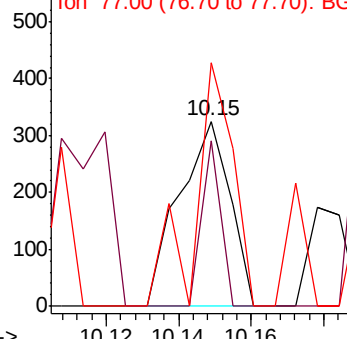
77 131.7 78.8 118.8#



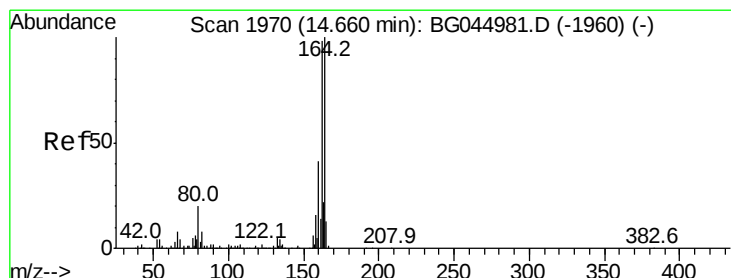
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

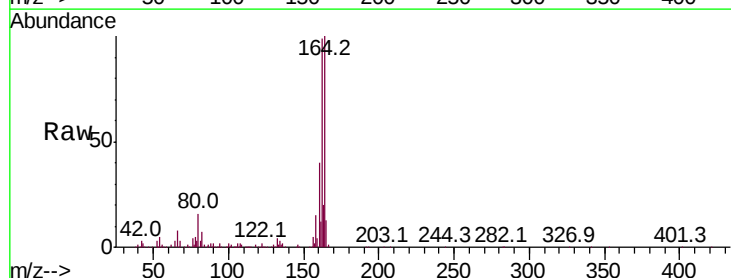
Tgt Ion:164 Resp: 164323

Ion Ratio Lower Upper

164 100

162 98.5 78.7 118.1

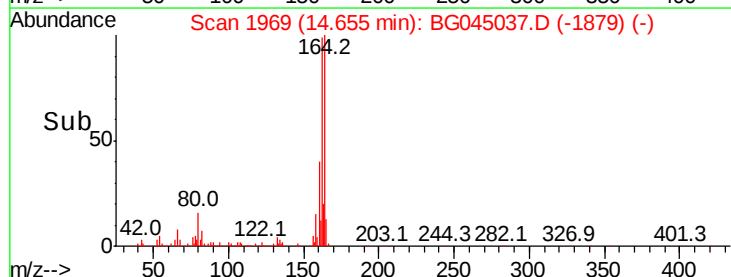
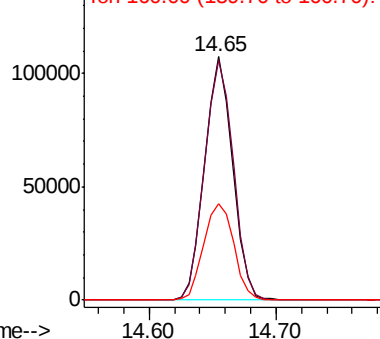
160 39.7 32.8 49.2



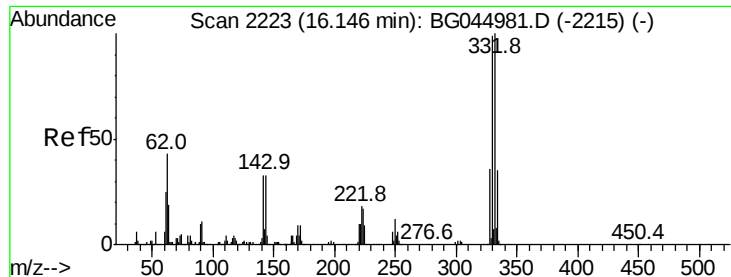
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



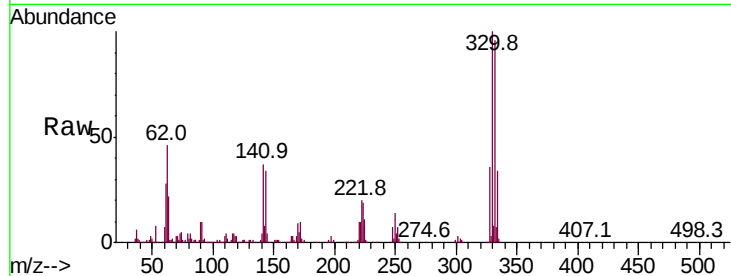
Time-->



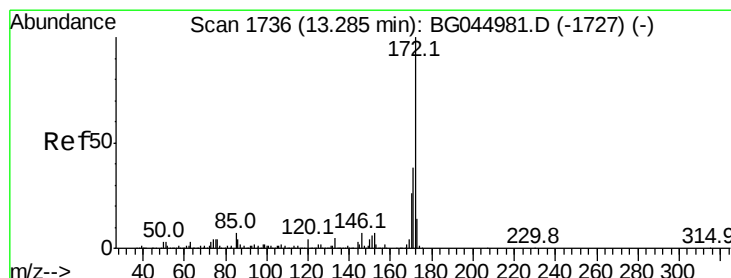
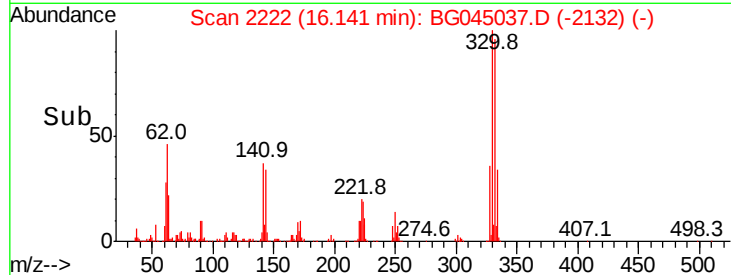
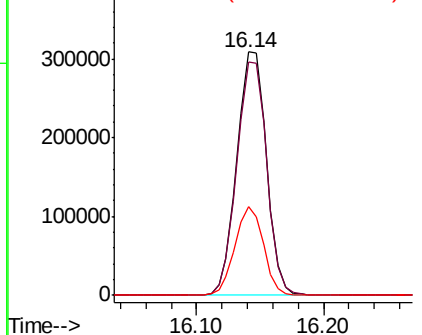
#42
2,4,6-Tribromophenol
Concen: 197.278 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:330 Resp: 500806
Ion Ratio Lower Upper
330 100
332 96.8 79.1 118.7
141 35.2 27.1 40.7

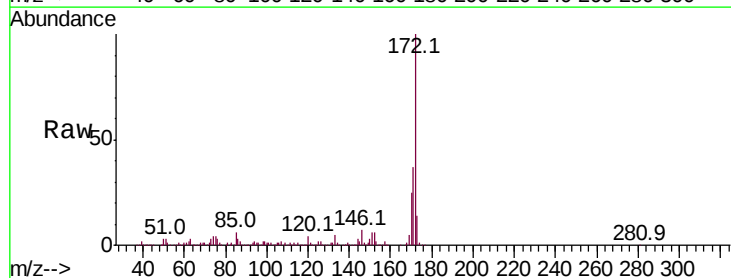


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

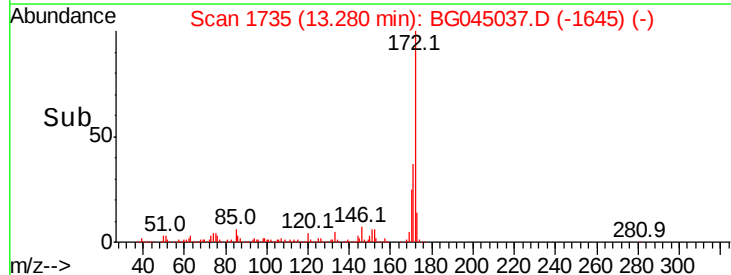
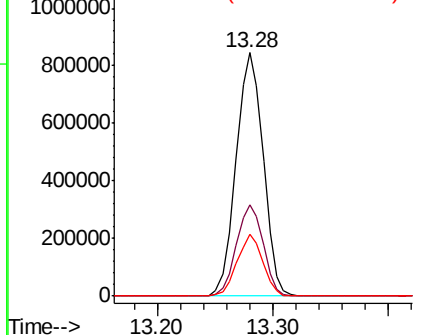


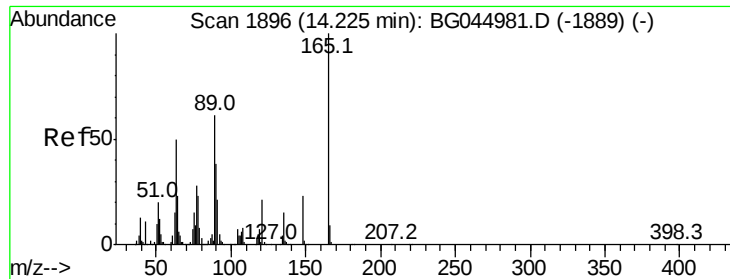
#45
2-Fluorobiphenyl
Concen: 122.182 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

Tgt Ion:172 Resp: 1369238
Ion Ratio Lower Upper
172 100
171 37.3 30.6 46.0
170 25.4 20.5 30.7



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





#51

2,6-Dinitrotoluene

Concen: 7.102 ng

RT: 14.65 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

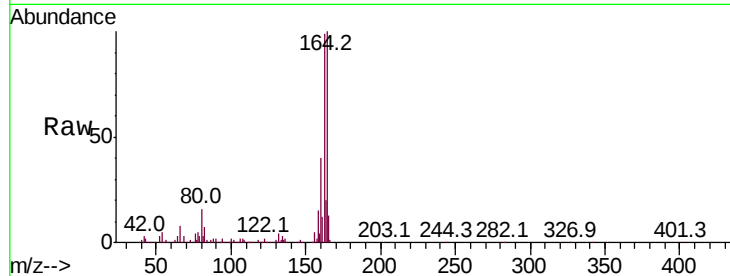
Tot Ion:165 Resp: 21254

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

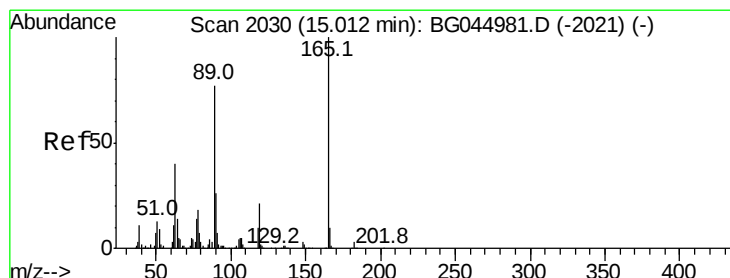
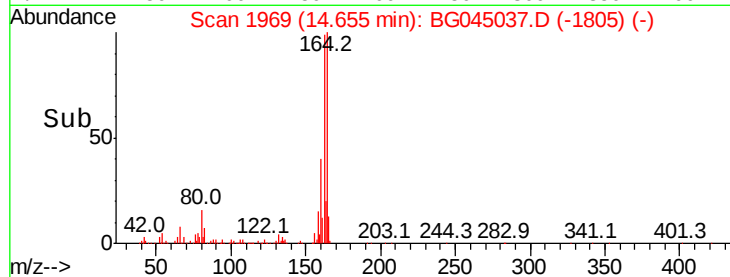
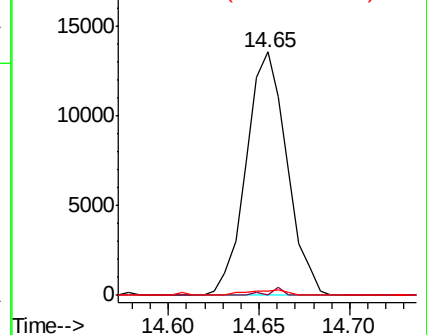
89 1.7 49.1 73.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.860 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Tgt Ion:165 Resp: 21254

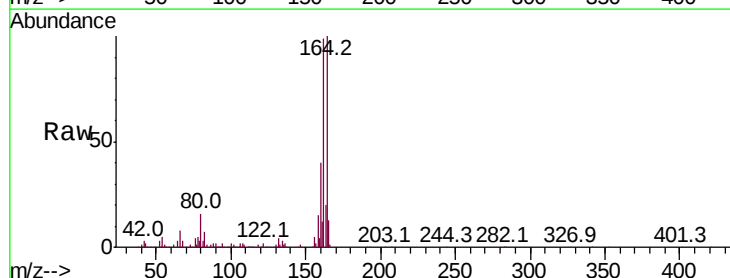
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#

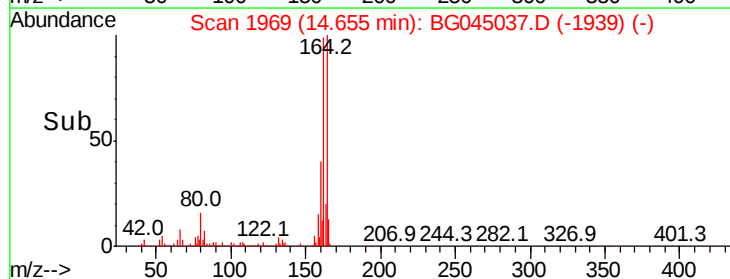
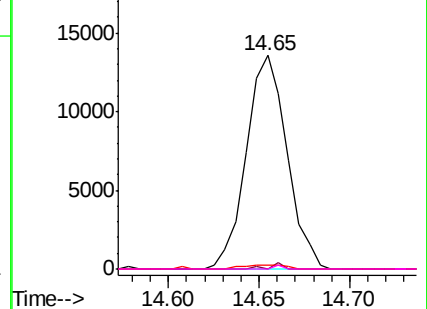


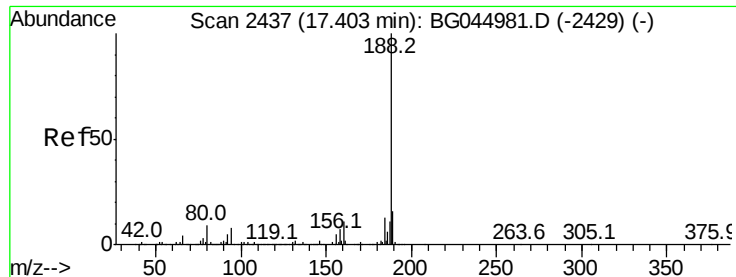
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

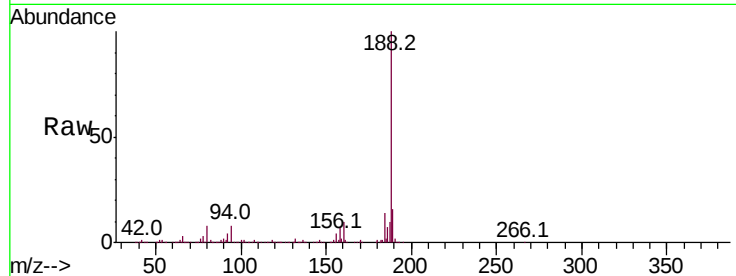
Tot Ion:188 Resp: 417839

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

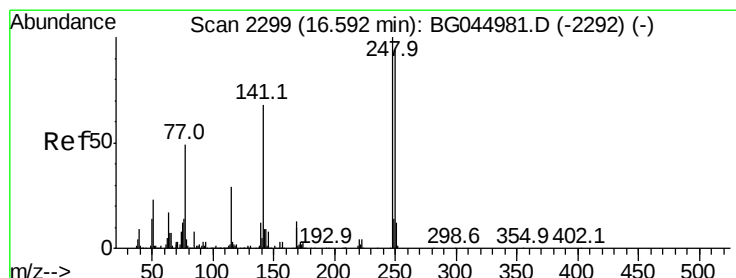
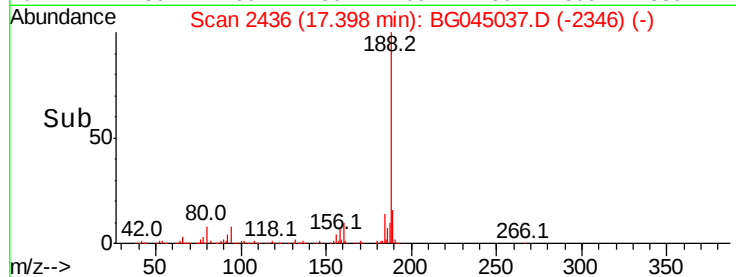
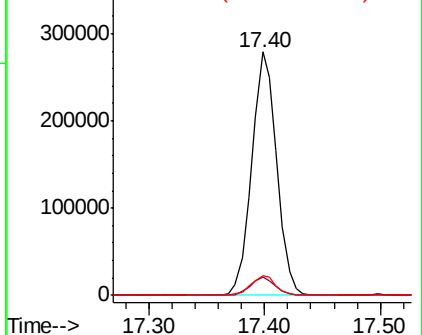
80 7.9 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 6.308 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

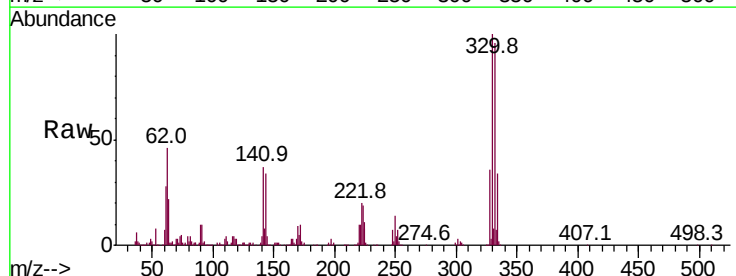
Tgt Ion:248 Resp: 34001

Ion Ratio Lower Upper

248 100

250 192.5 75.4 113.2#

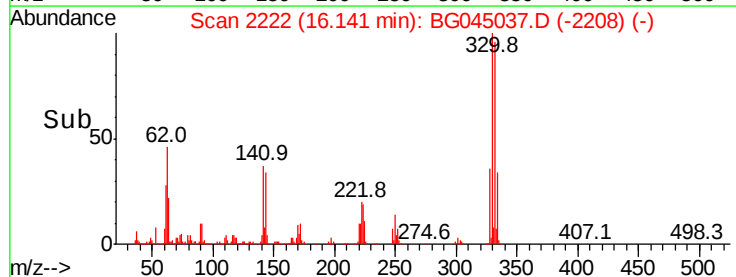
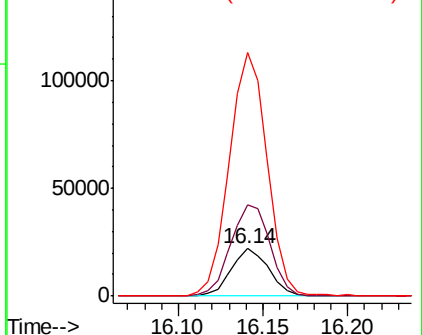
141 513.3 54.4 81.6#

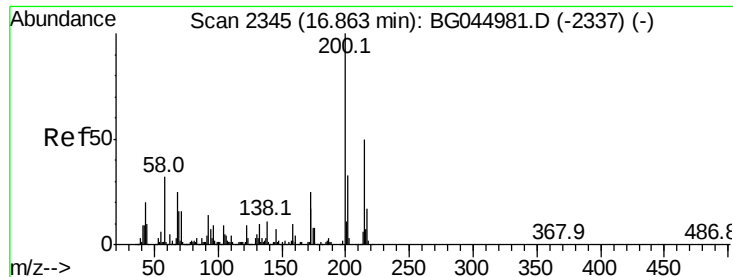


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.79 min Scan# 2333

Delta R.T. -0.07 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

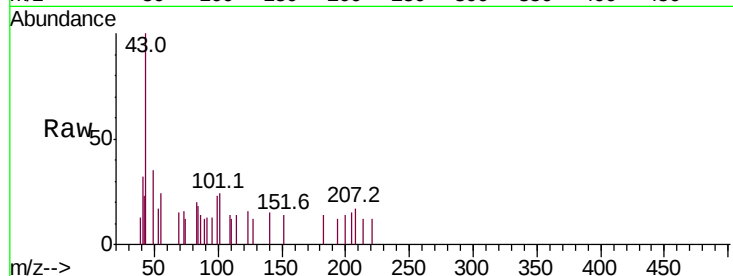
BNA_G

ClientSampleId :

SOIL-CUTTINGS

Tot Ion:200 Resp: 62

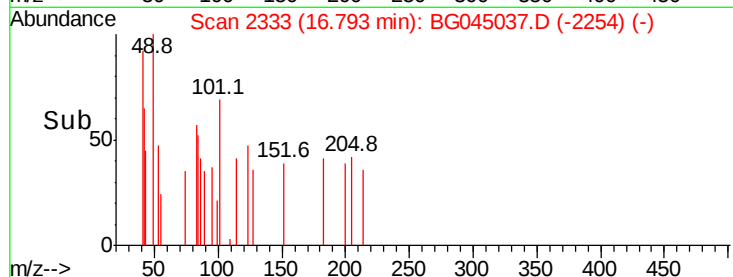
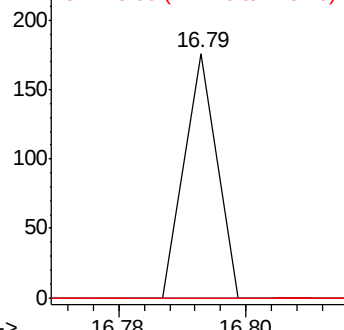
Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#



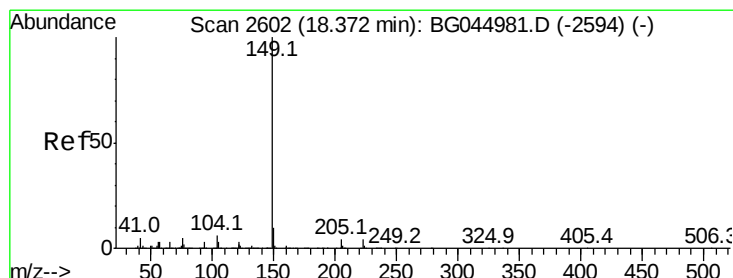
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

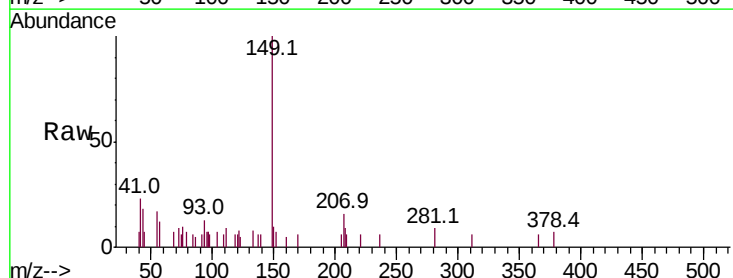
Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Tgt Ion:149 Resp: 3964

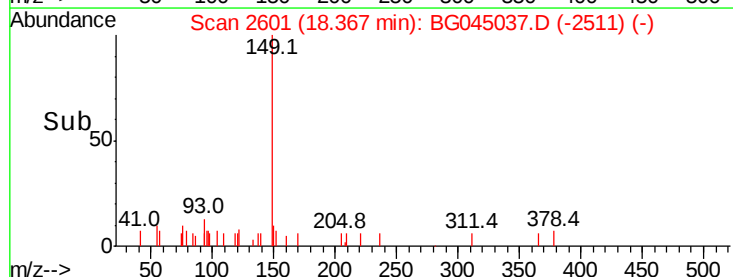
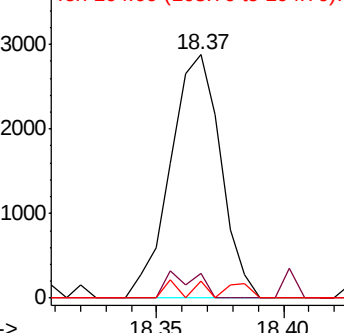
Ion	Ratio	Lower	Upper
149	100		
150	10.4	8.2	12.2
104	7.0	4.8	7.2



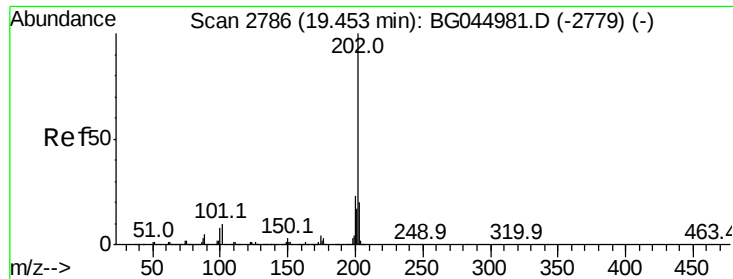
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



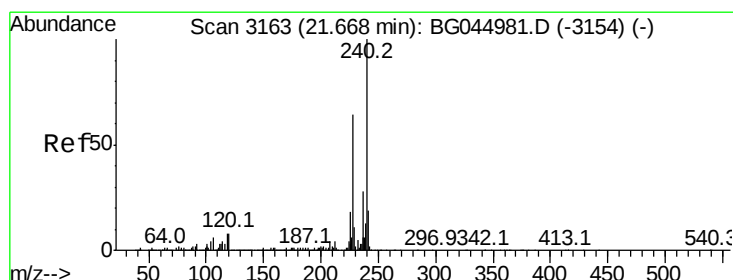
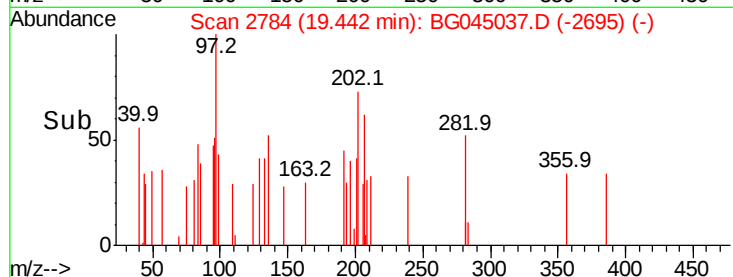
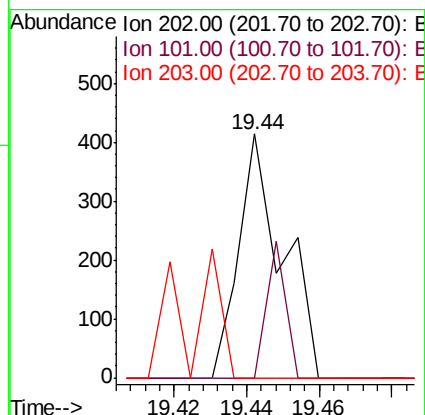
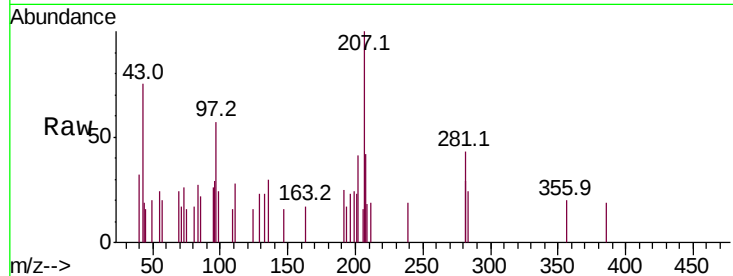
Time-->



#75
Fluoranthene
Concen: Below Cal
RT: 19.44 min Scan# 2784
Delta R.T. -0.01 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

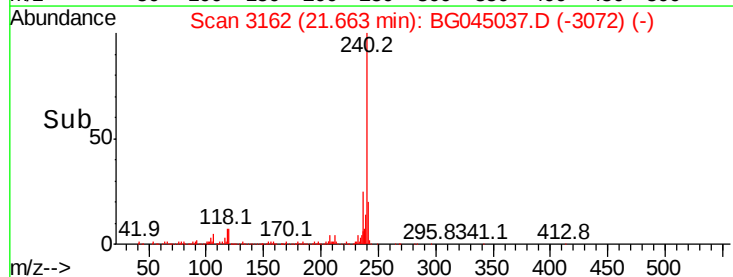
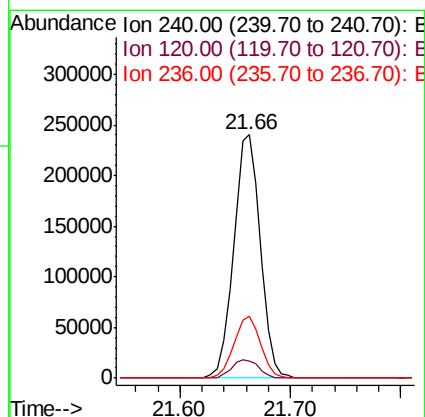
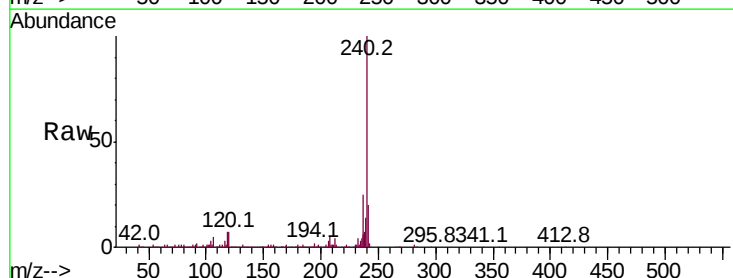
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

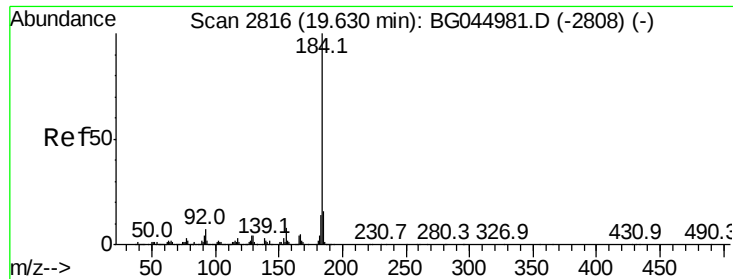
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045037.D
Acq: 17 Apr 2020 17:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.6	10.0
236	25.4	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

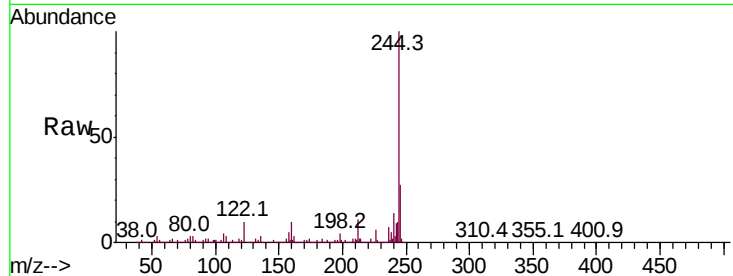
Tot Ion:184 Resp: 48737

Ion Ratio Lower Upper

184 100

185 17.4 12.6 19.0

183 0.0 11.3 16.9#

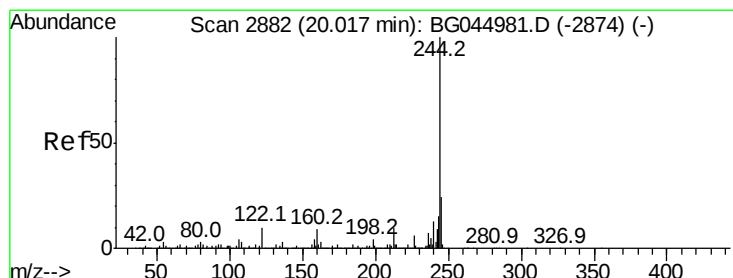
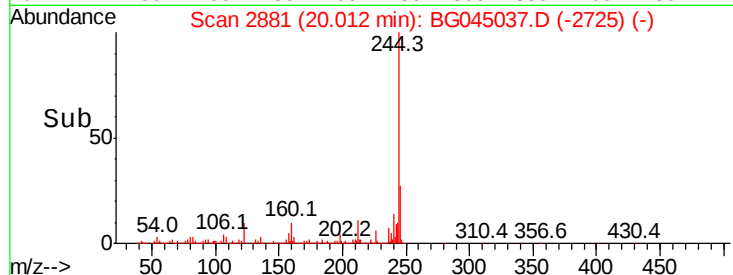
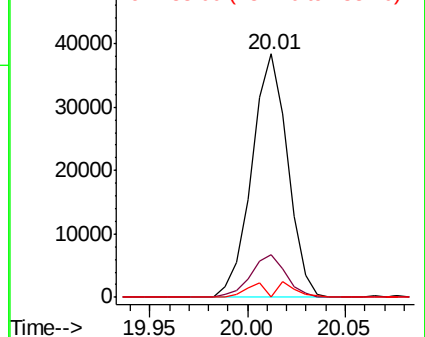


Abundance

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



#79

Terphenyl-d14

Concen: 131.450 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

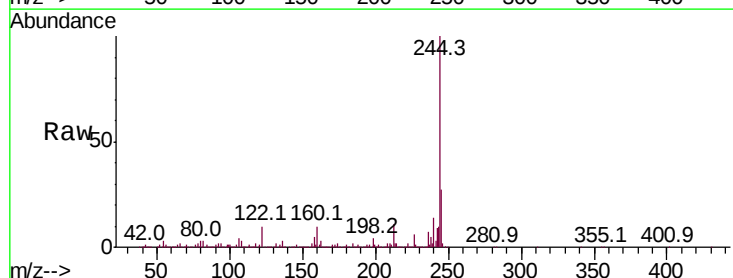
Tgt Ion:244 Resp: 2439848

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

122 9.8 7.7 11.5

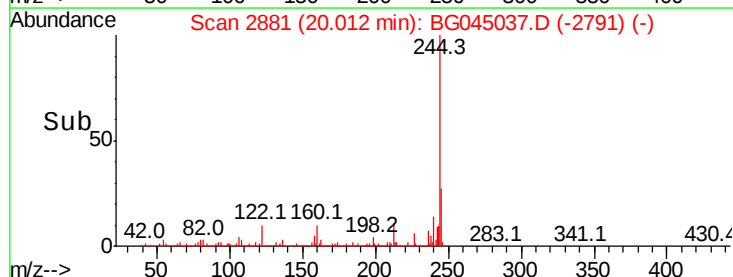
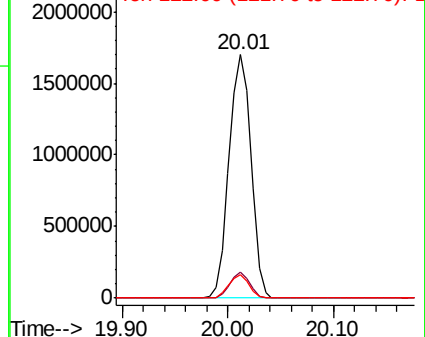


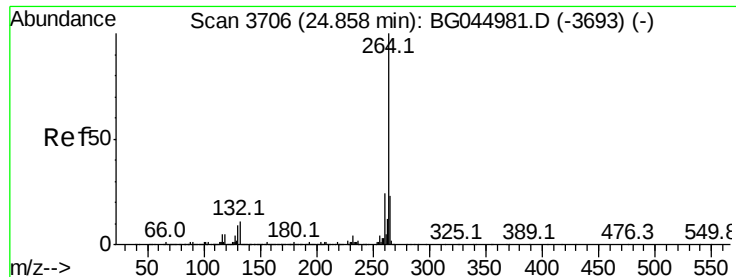
Abundance

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

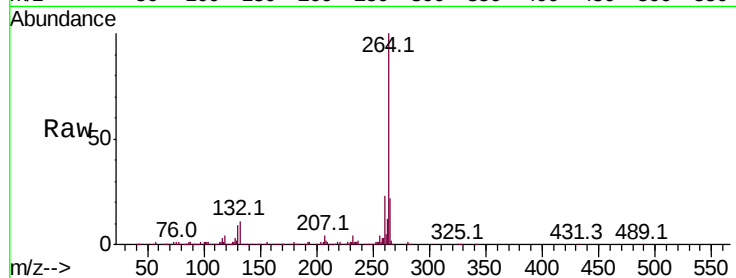




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	19.0	28.4



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

