

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042020\
 Data File : BG045092.D
 Acq On : 20 Apr 2020 12:27
 Operator : CG/JU
 Sample : L2308-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL

Quant Time: Apr 20 13:04:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 13:03:14 2020
 Response via : Initial Calibration

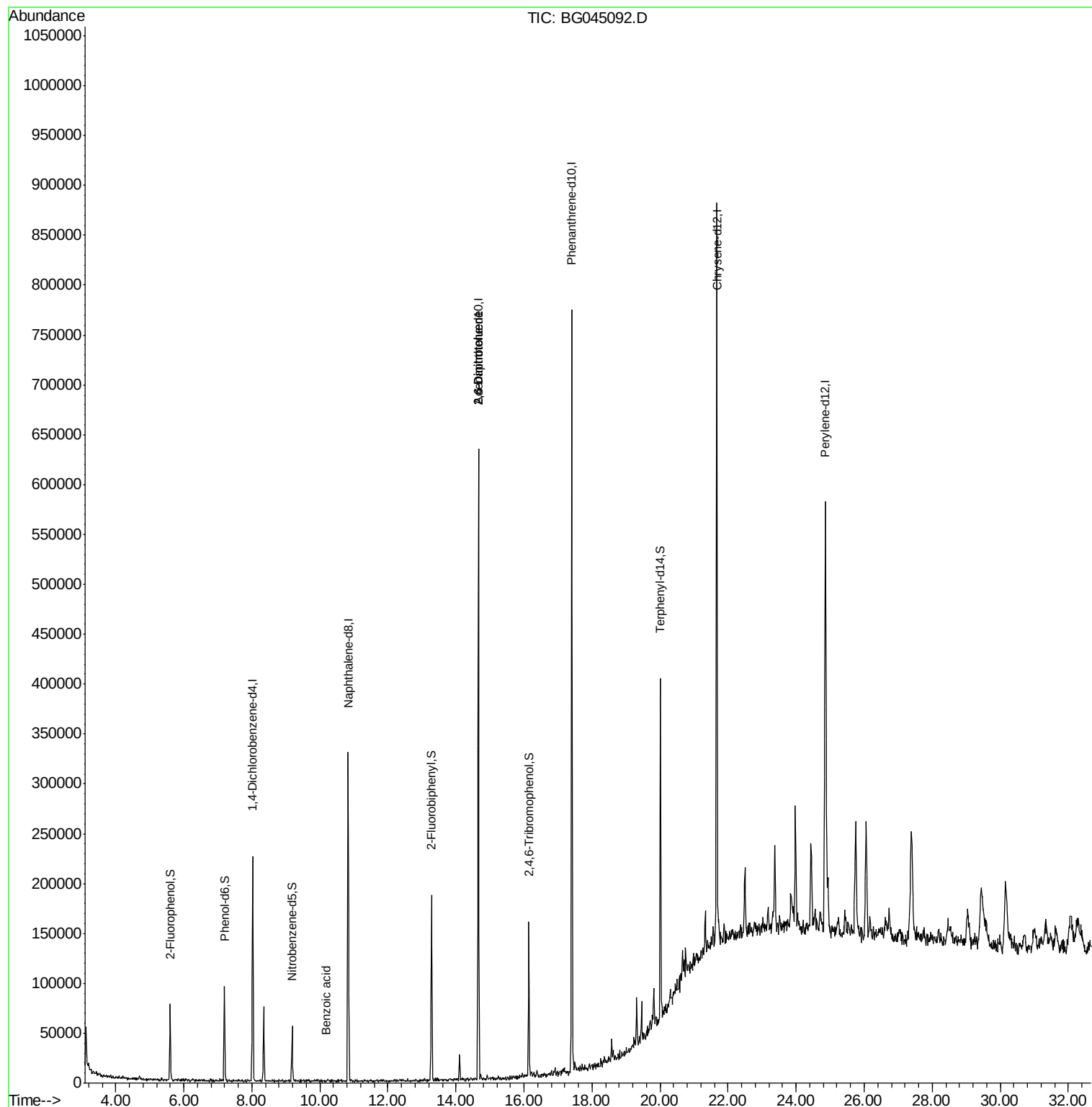
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	65164	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	303729	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	233427	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	510617	20.00	ng	0.00
76) Chrysene-d12	21.67	240	467749	20.00	ng	0.00
87) Perylene-d12	24.86	264	497291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	36714	9.30	ng	0.00
7) Phenol-d6	7.19	99	63093	10.76	ng	0.00
23) Nitrobenzene-d5	9.18	82	39454	5.93	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	30677	8.51	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	106883	6.71	ng	0.00
79) Terphenyl-d14	20.01	244	177273	8.26	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	63	Below Cal	#	49
32) Benzoic acid	10.18	122	128	6.403 ng	#	1
51) 2,6-Dinitrotoluene	14.66	165	29256	6.882 ng	#	25
57) 2,4-Dinitrotoluene	14.66	165	29256	4.709 ng	#	22
69) Atrazine	16.85	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	4876	Below Cal	#	92
77) Benzidine	19.60	184	178	Below Cal	#	1

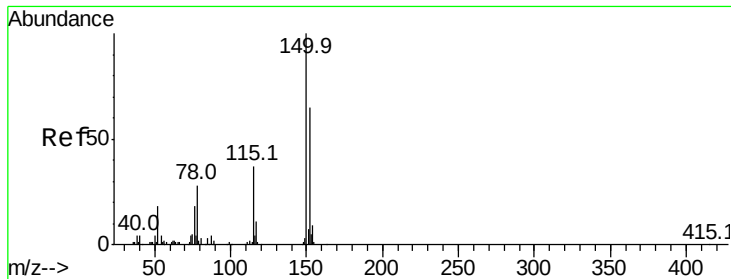
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

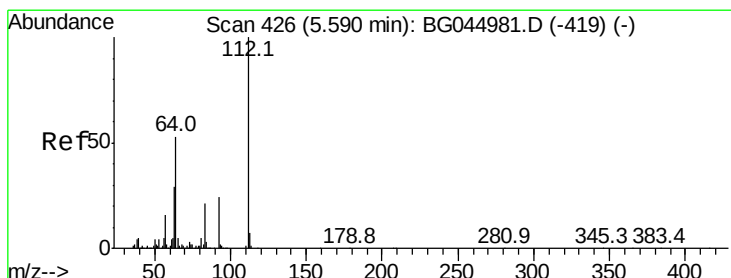
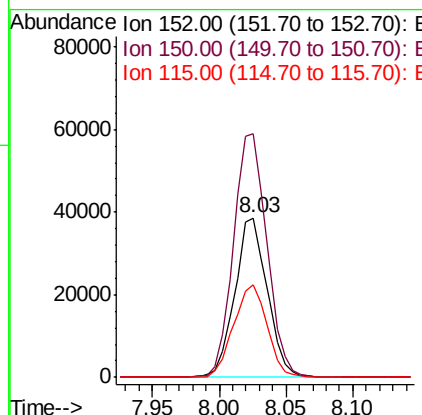
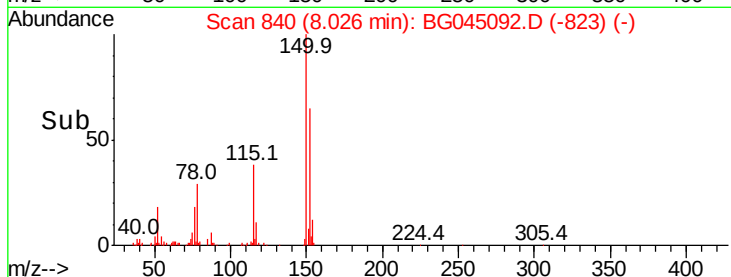
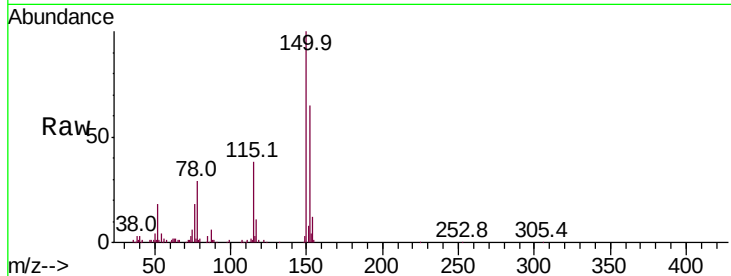




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

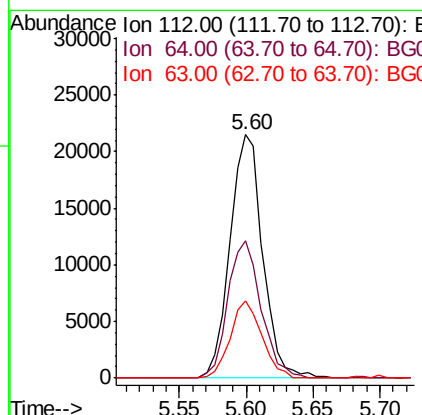
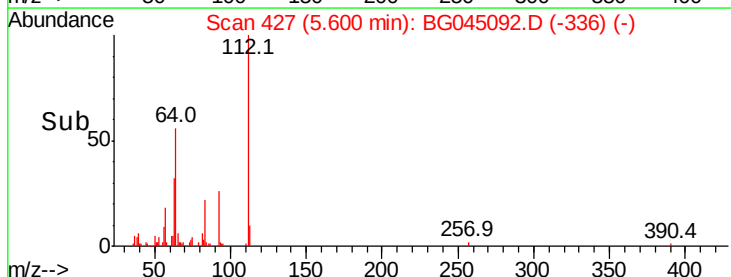
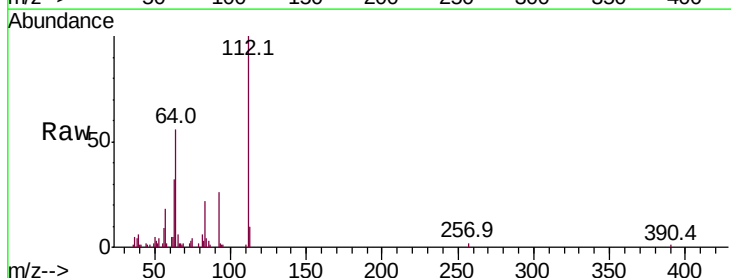
Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL

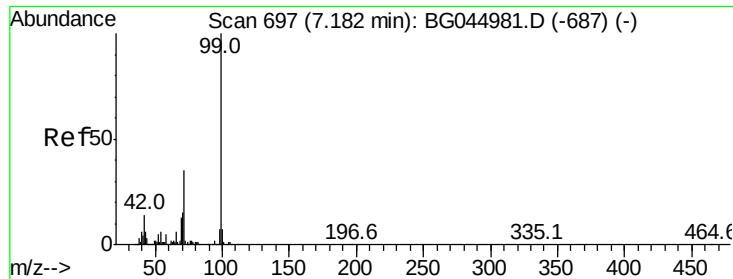
Tot Ion:	152	Resp:	65164
Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.6	185.4
115	58.1	49.1	73.7



#5
 2-Fluorophenol
 Concen: 9.302 ng
 RT: 5.60 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

Tgt Ion:	112	Resp:	36714
Ion	Ratio	Lower	Upper
112	100		
64	56.2	42.4	63.6
63	31.8	23.1	34.7





#7

Phenol-d6

Concen: 10.759 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL

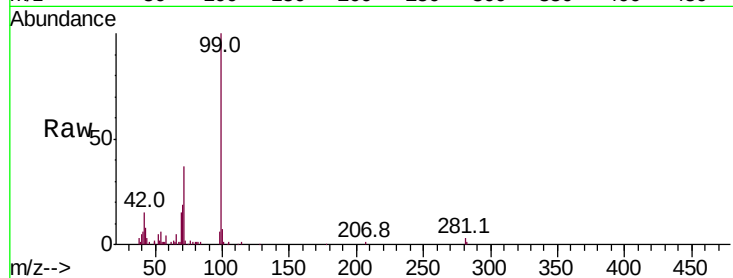
Tot Ion: 99 Resp: 63093

Ion Ratio Lower Upper

99 100

42 14.8 11.3 16.9

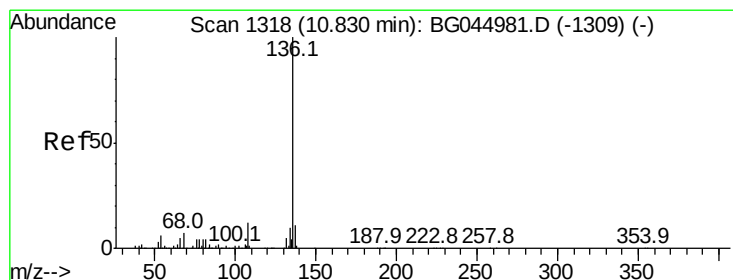
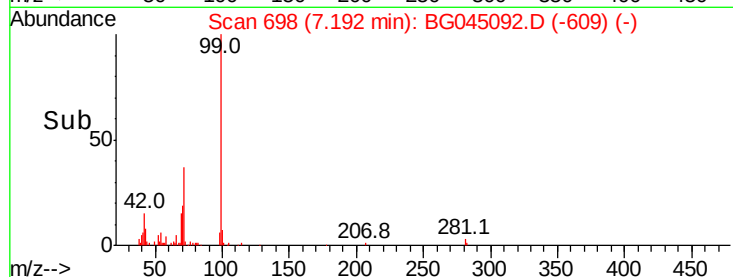
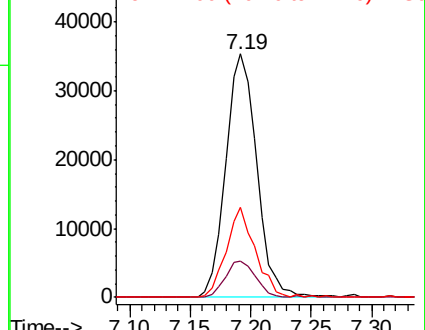
71 37.2 28.3 42.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Tgt Ion: 136 Resp: 303729

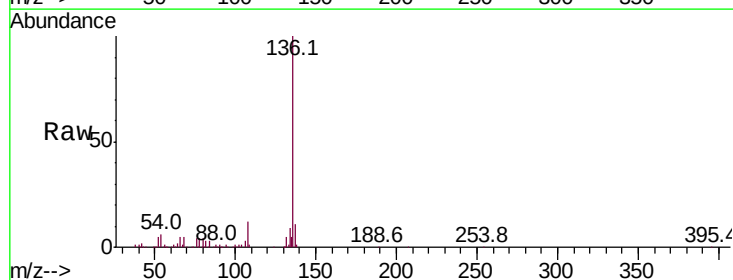
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 5.8 4.8 7.2

68 5.2 5.2 7.8#

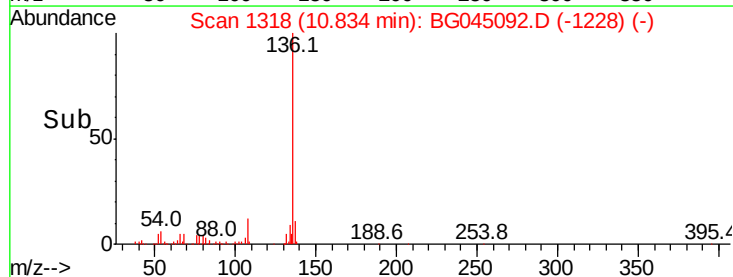
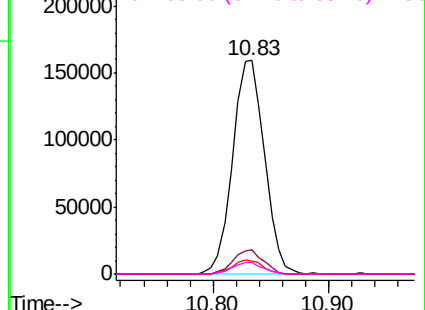


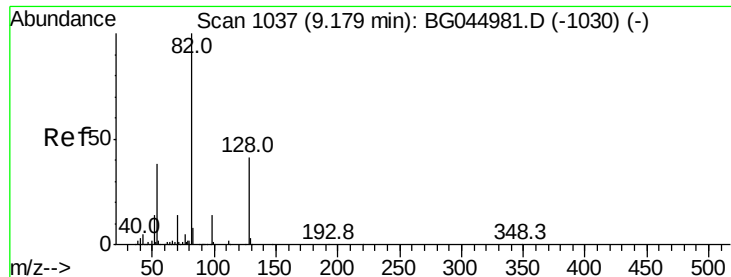
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

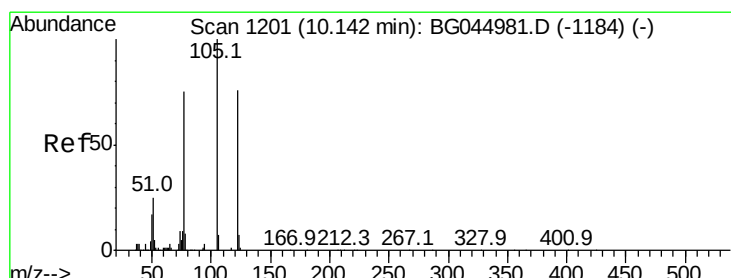
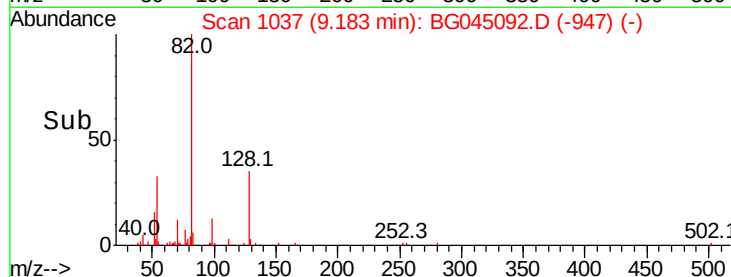
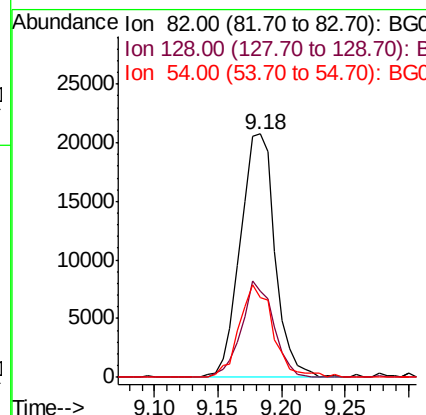
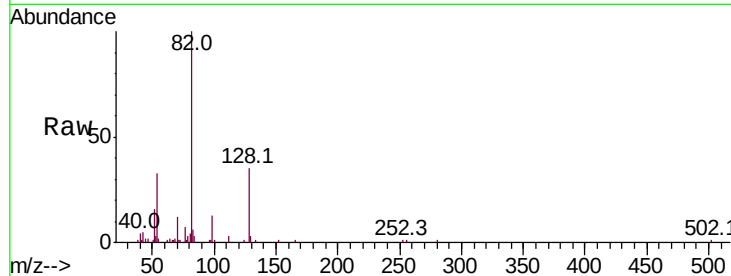




#23
 Nitrobenzene-d5
 Concen: 5.927 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

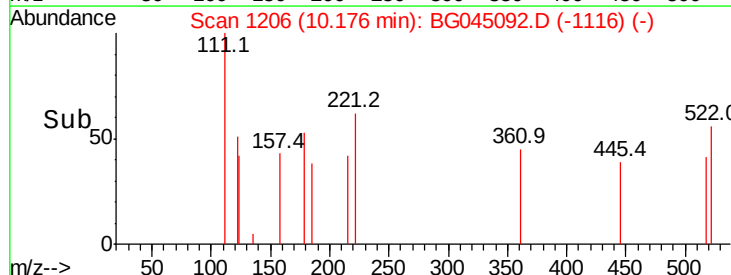
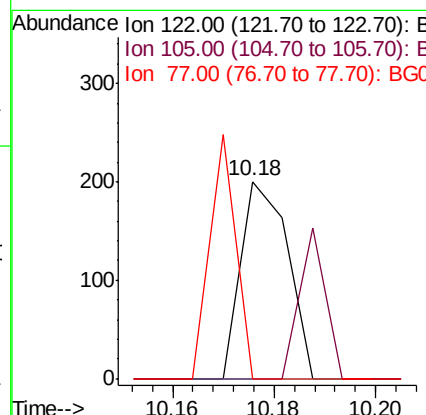
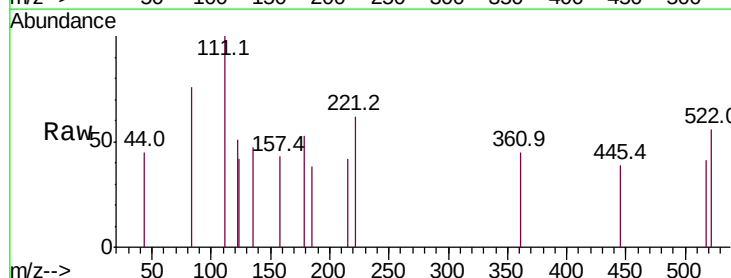
Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL

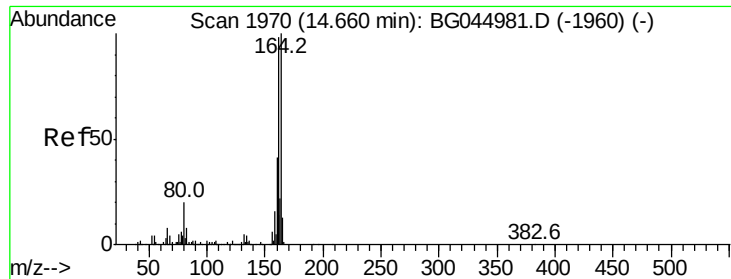
Tot Ion	82	Resp	39454
Ion Ratio	100	Lower	Upper
128	35.3	33.0	49.4
54	32.5	30.4	45.6



#32
 Benzoic acid
 Concen: 6.403 ng
 RT: 10.18 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

Tgt Ion	122	Resp	128
Ion Ratio	100	Lower	Upper
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

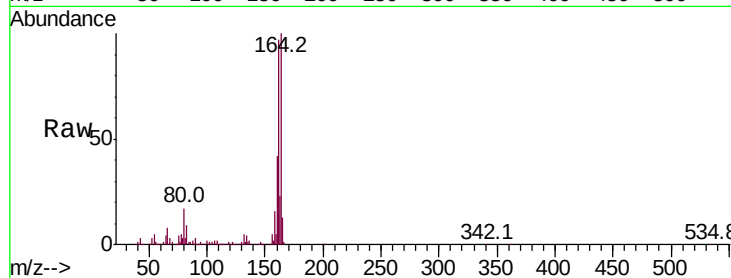
BNA_G

ClientSampleId :

NCC-TOPSOIL

Tot Ion:164 Resp: 233427

Ion	Ratio	Lower	Upper
164	100		
162	96.8	78.7	118.1
160	42.3	32.8	49.2



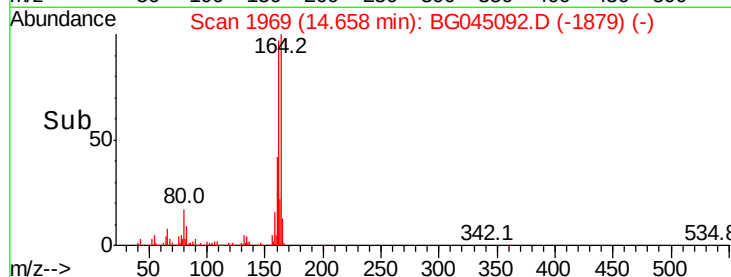
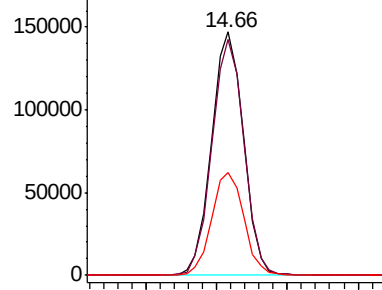
Abundance

Ion 164.00 (163.70 to 164.70): E

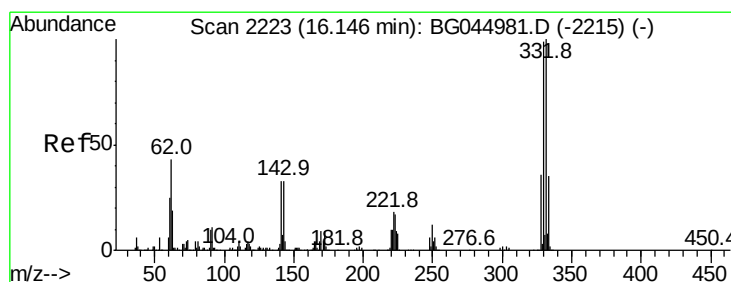
200000

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: 8.507 ng

RT: 16.14 min Scan# 2222

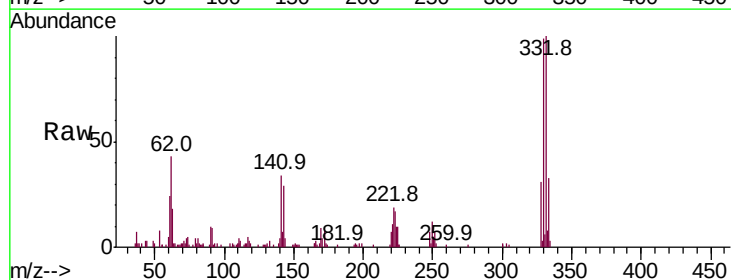
Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Tgt Ion:330 Resp: 30677

Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.1	118.7
141	34.3	27.1	40.7



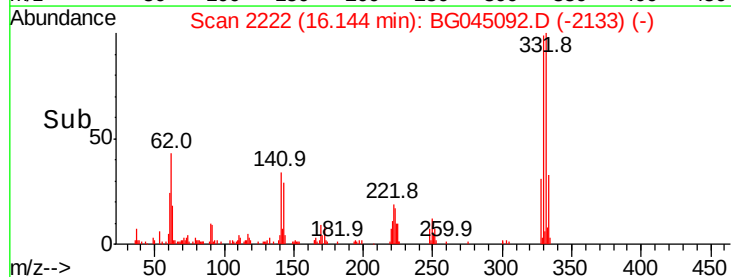
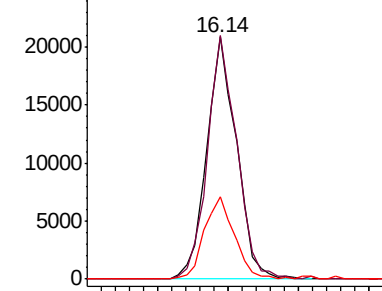
Abundance

Ion 329.80 (329.50 to 330.50): E

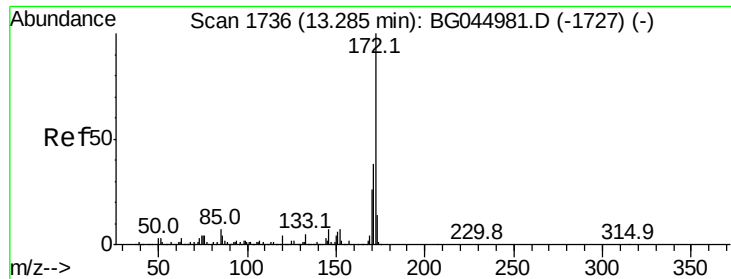
25000

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



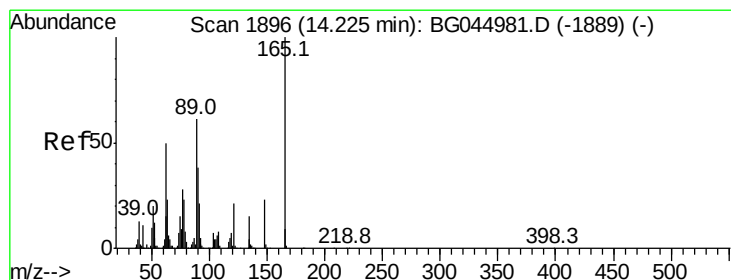
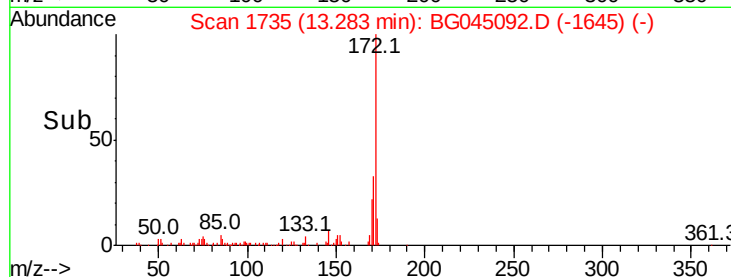
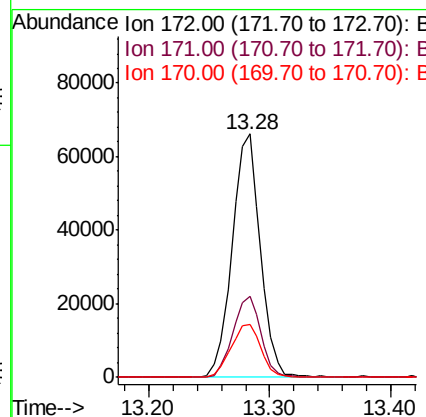
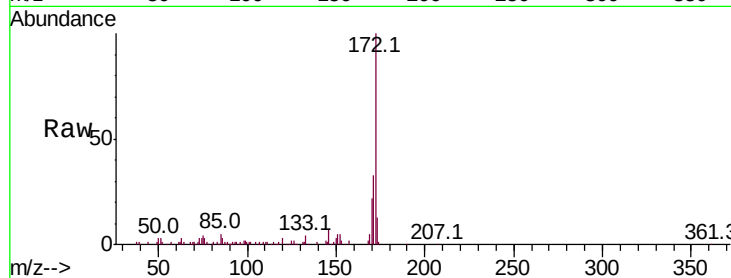
Time-->



#45
 2-Fluorobiphenyl
 Concen: 6.714 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

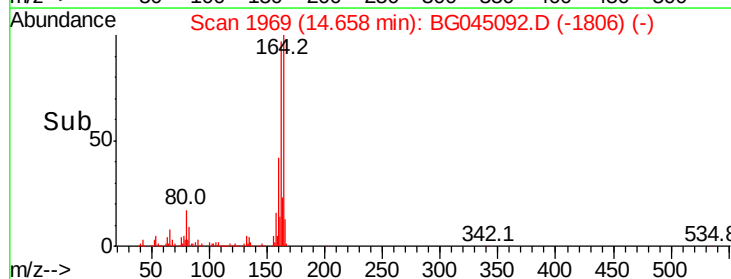
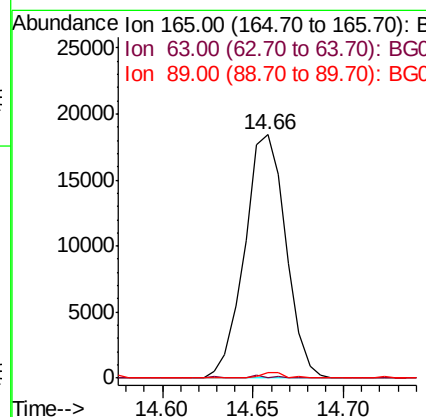
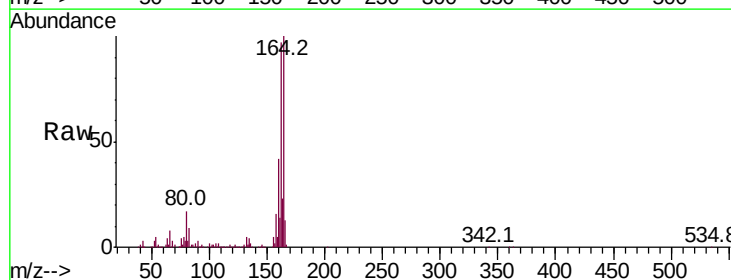
Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL

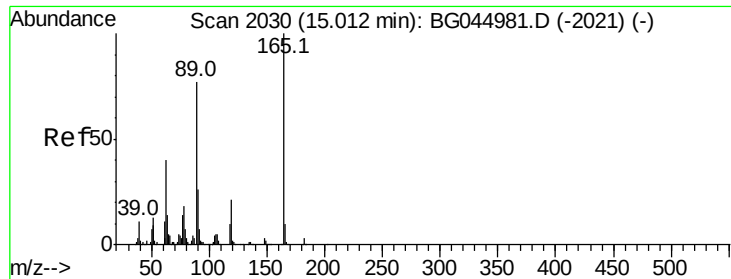
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.6	46.0
170	22.0	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 6.882 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045092.D
 Acq: 20 Apr 2020 12:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.4	49.1	73.7#





#57

2,4-Dinitrotoluene

Concen: 4.709 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL

Tot Ion:165 Resp: 29256

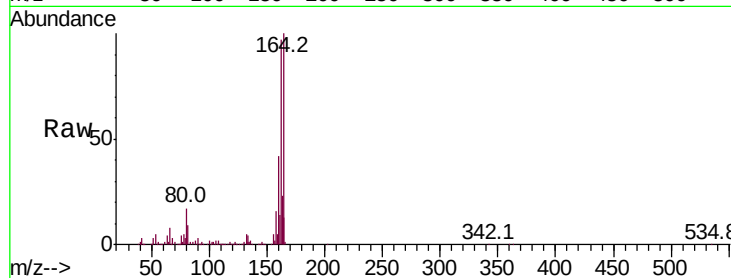
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.4 61.7 92.5#

182 0.0 2.0 3.0#

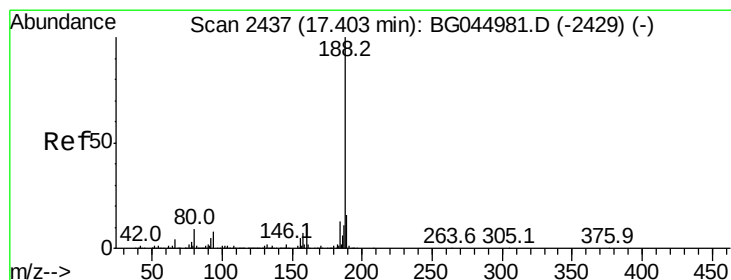
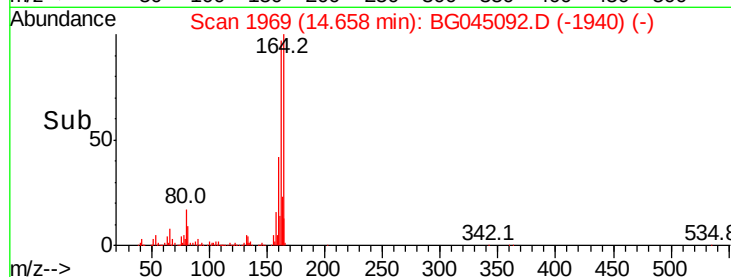
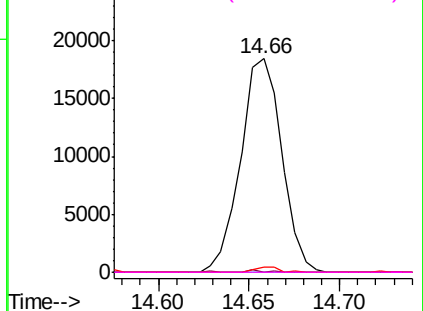


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

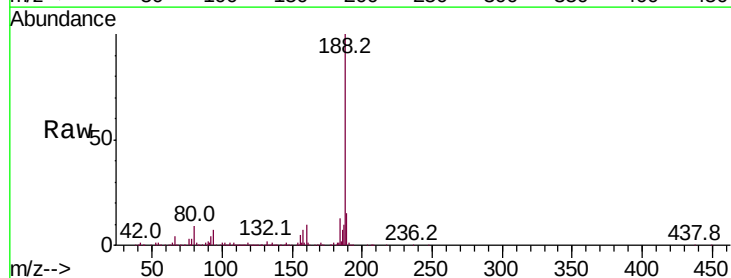
Tgt Ion:188 Resp: 510617

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

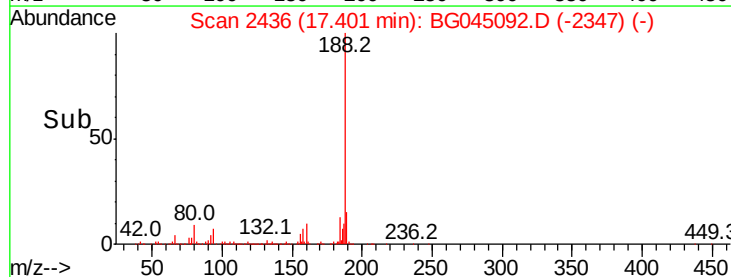
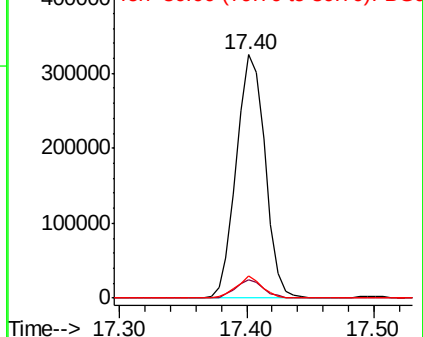
80 8.9 7.0 10.6

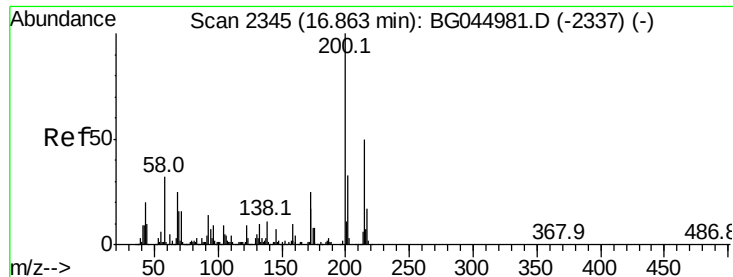


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL

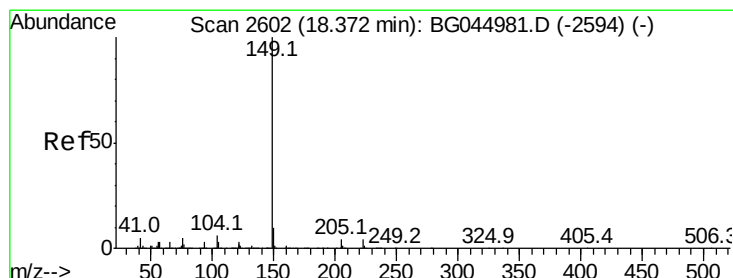
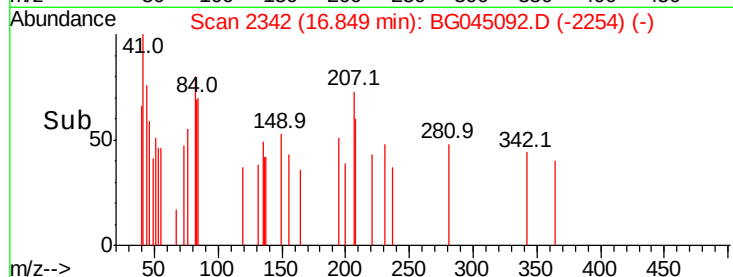
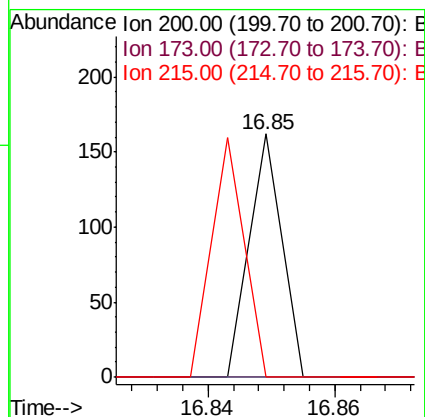
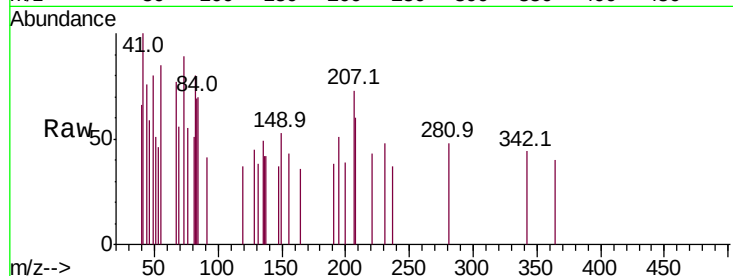
Tot Ion:200 Resp: 57

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

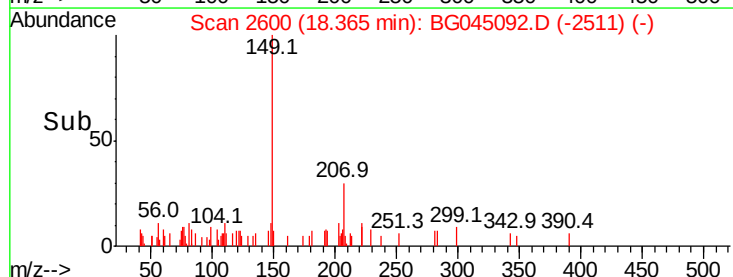
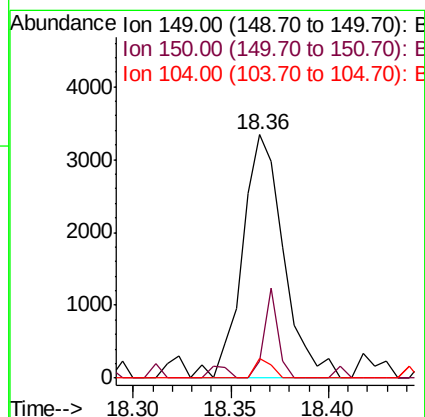
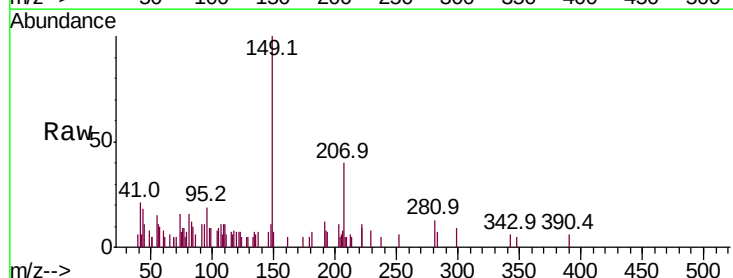
Tgt Ion:149 Resp: 4876

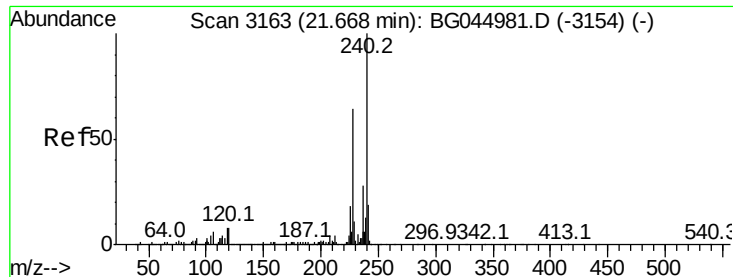
Ion Ratio Lower Upper

149 100

150 7.0 8.2 12.2#

104 8.0 4.8 7.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL

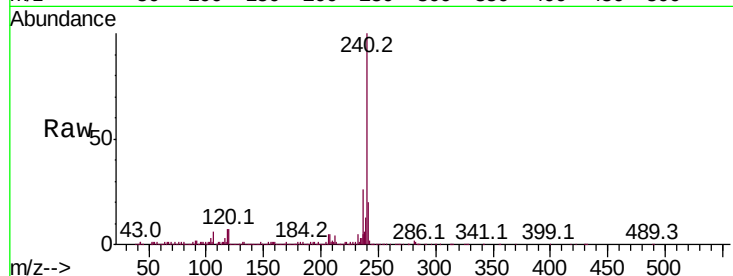
Tot Ion:240 Resp: 467749

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

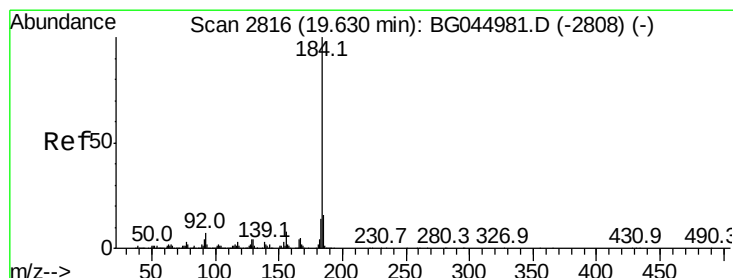
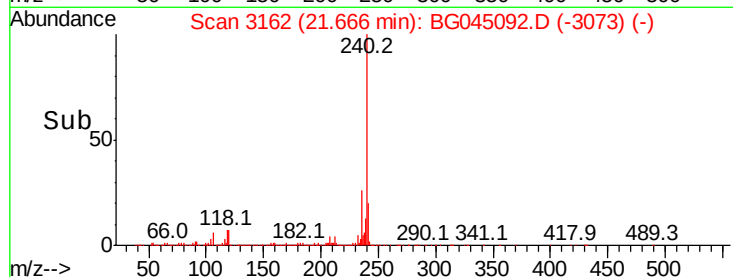
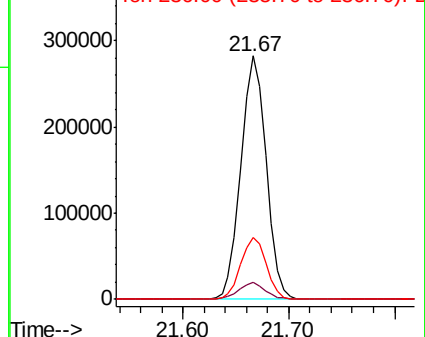
236 25.7 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.60 min Scan# 2810

Delta R.T. -0.03 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

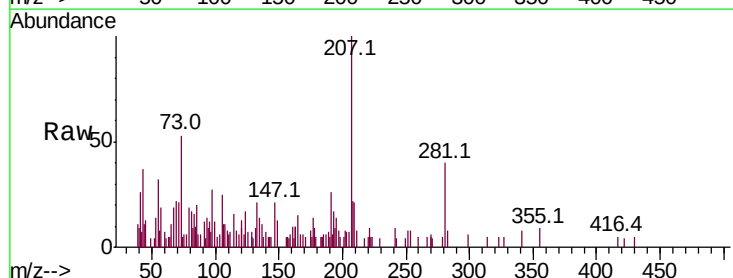
Tgt Ion:184 Resp: 178

Ion Ratio Lower Upper

184 100

185 57.6 12.6 19.0#

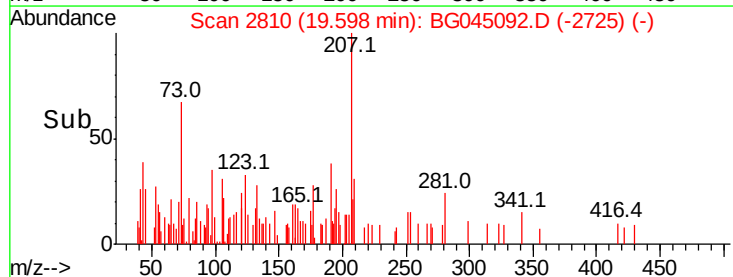
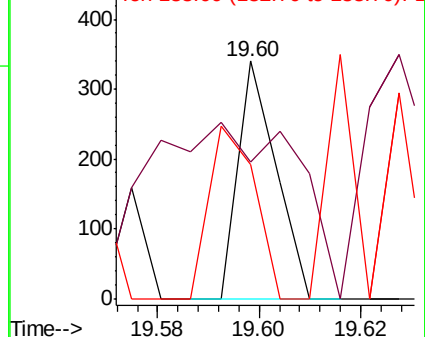
183 56.2 11.3 16.9#

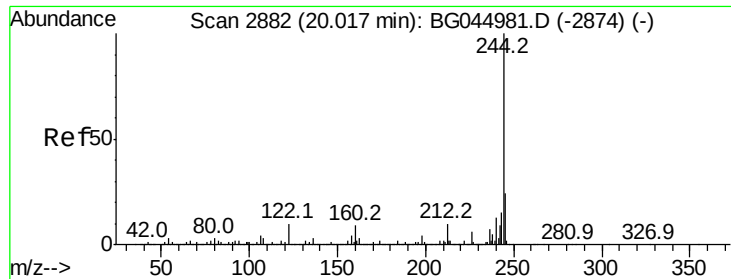


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 8.260 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL

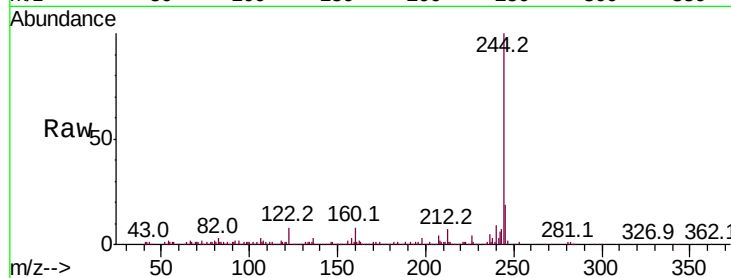
Tot Ion:244 Resp: 177273

Ion Ratio Lower Upper

244 100

212 6.8 7.9 11.9#

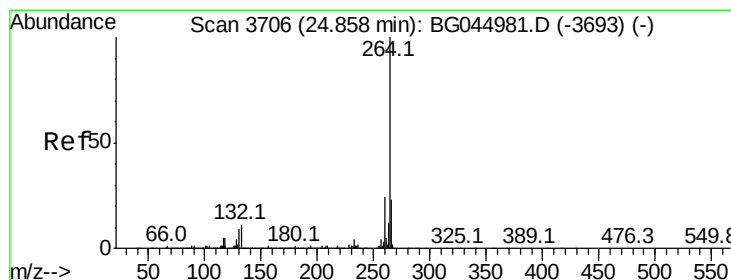
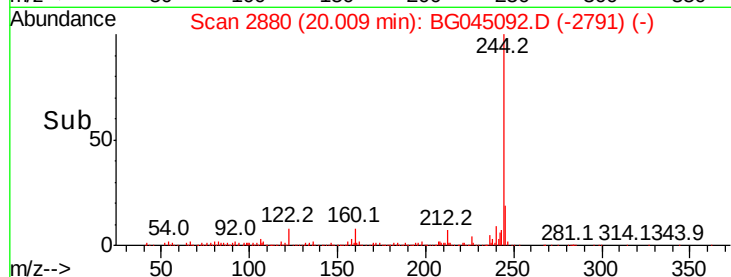
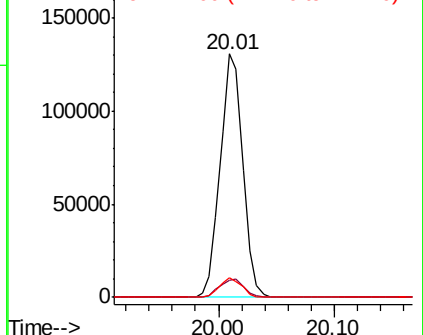
122 7.9 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BG045092.D

Acq: 20 Apr 2020 12:27

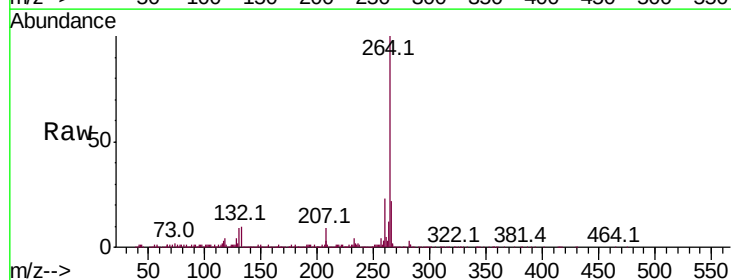
Tgt Ion:264 Resp: 497291

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.6 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

