

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
 Data File : BG045141.D
 Acq On : 23 Apr 2020 14:32
 Operator : CG/JU
 Sample : L2358-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL-TF

Quant Time: Apr 23 15:09:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	93669	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	374372	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	268809	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	599028	20.00	ng	0.00
76) Chrysene-d12	21.65	240	515036	20.00	ng	0.00
87) Perylene-d12	24.83	264	554497	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	382135	67.35	ng	0.00
7) Phenol-d6	7.17	99	630911	74.84	ng	0.00
23) Nitrobenzene-d5	9.16	82	435101	53.03	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	341193	82.16	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1044735	56.99	ng	0.00
79) Terphenyl-d14	20.00	244	1556640	65.88	ng	0.00

Target Compounds

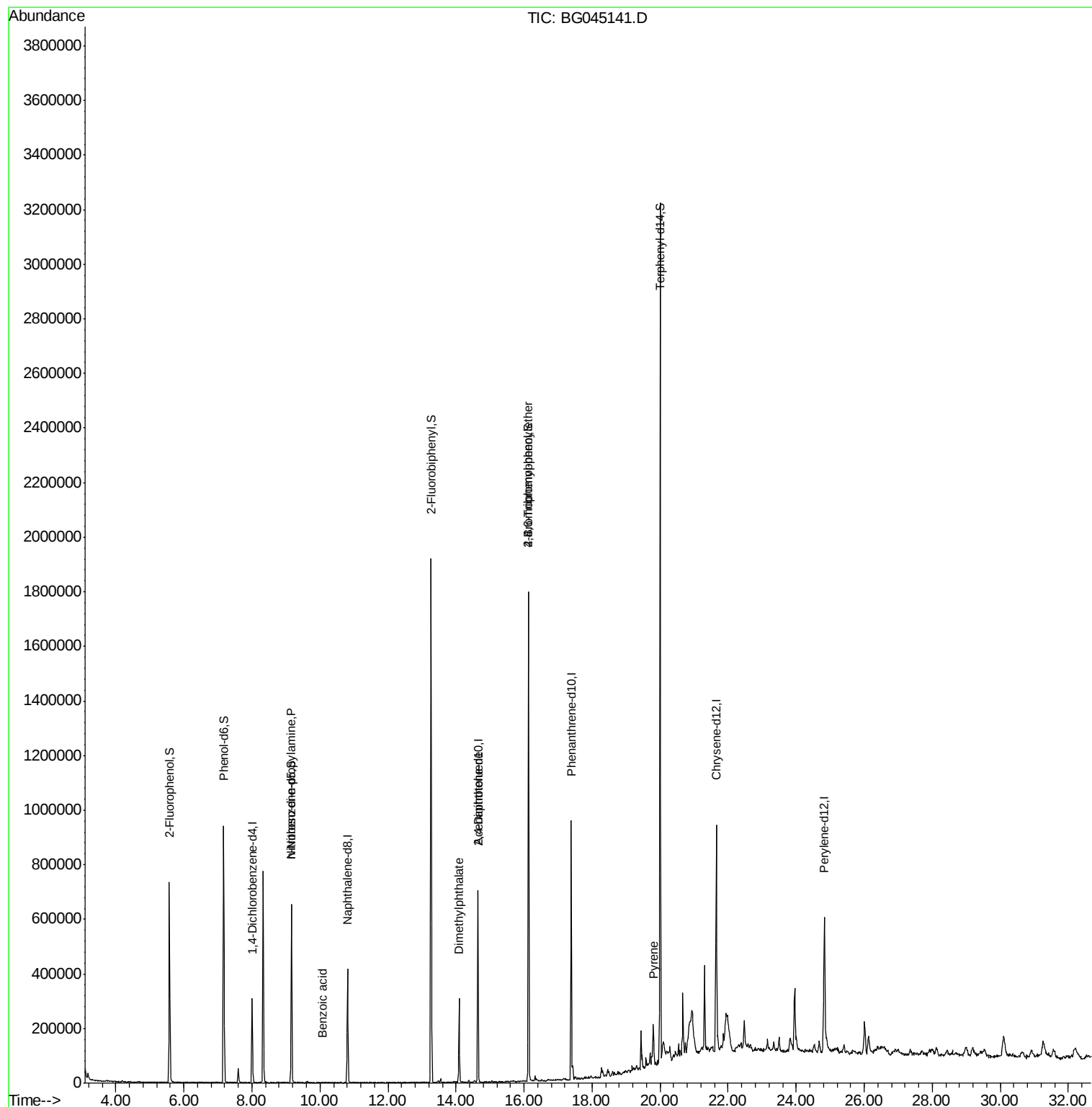
						Qvalue
9) Benzaldehyde	7.17	77	1340	Below Cal	#	14
19) n-Nitroso-di-n-propylamine	9.16	70	58612	9.832 ng	#	78
32) Benzoic acid	10.06	122	77	6.388 ng	#	1
50) Dimethylphthalate	14.09	163	209711	9.581 ng		100
57) 2,4-Dinitrotoluene	14.64	165	35753	4.997 ng	#	22
67) 4-Bromophenyl-phenylether	16.13	248	23355	3.022 ng	#	1
69) Atrazine	17.05	200	53	Below Cal	#	1
74) Di-n-butylphthalate	18.34	149	2895	Below Cal	#	76
75) Fluoranthene	19.44	202	85966	Below Cal		99
77) Benzidine	20.00	184	29906	Below Cal	#	89
78) Pyrene	19.80	202	86344	2.432 ng		96

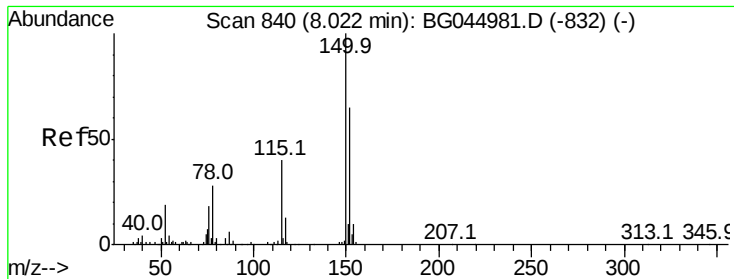
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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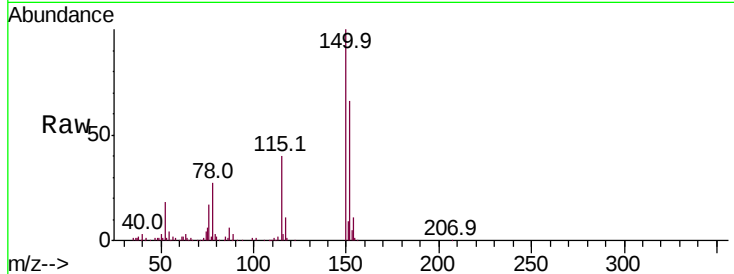


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG045141.D
Acq: 23 Apr 2020 14:32

Instrument :
BNA_G
ClientSampleId :
NCC-TOPSOIL-TF

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	123.6	185.4
115	61.4	49.1	73.7

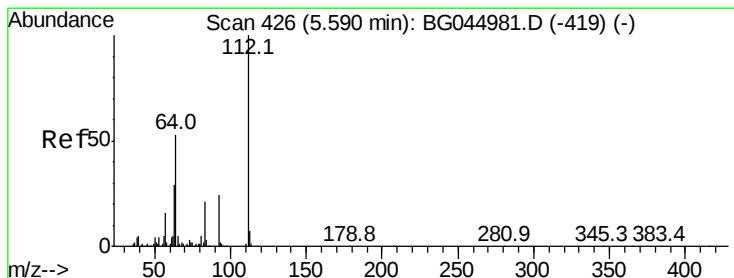
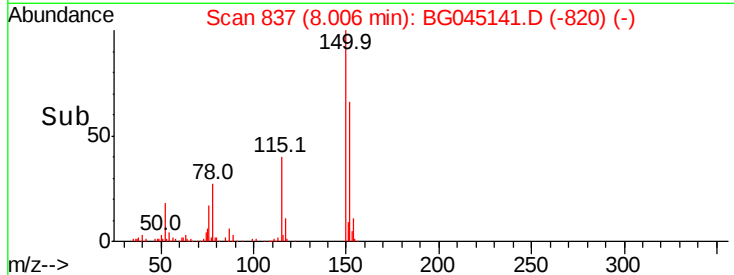
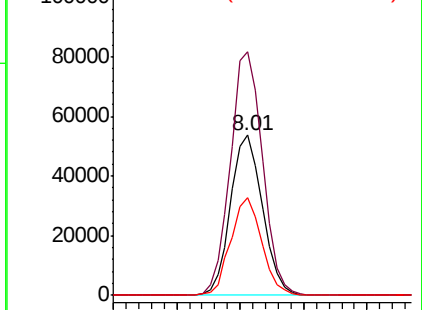


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

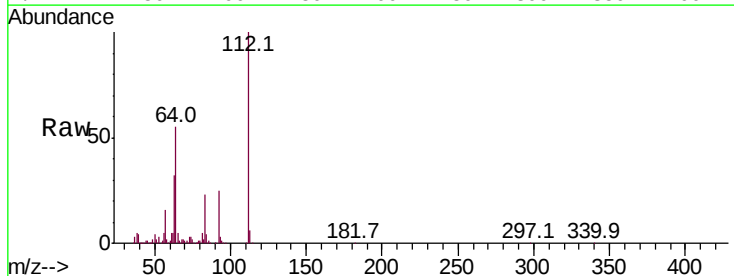
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 67.353 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045141.D
Acq: 23 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.4	63.6
63	32.0	23.1	34.7

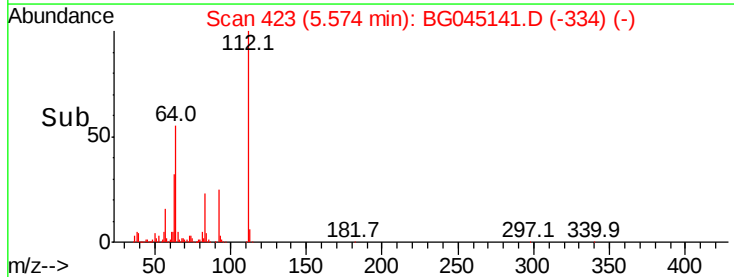
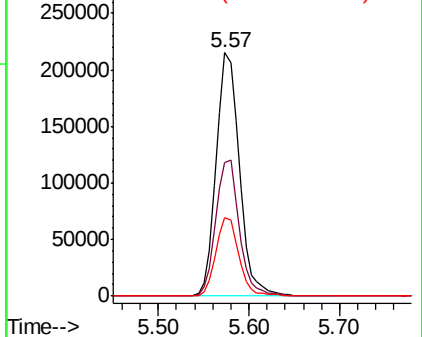


Abundance

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: 74.844 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

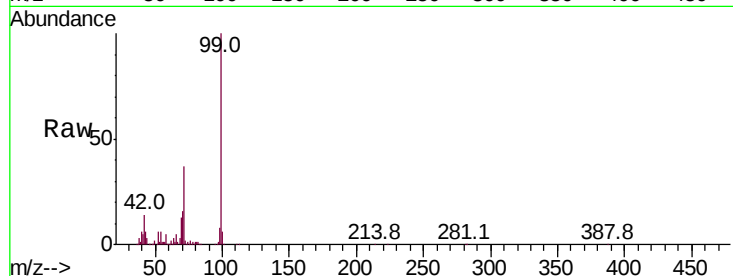
Tot Ion: 99 Resp: 630911

Ion Ratio Lower Upper

99 100

42 13.5 11.3 16.9

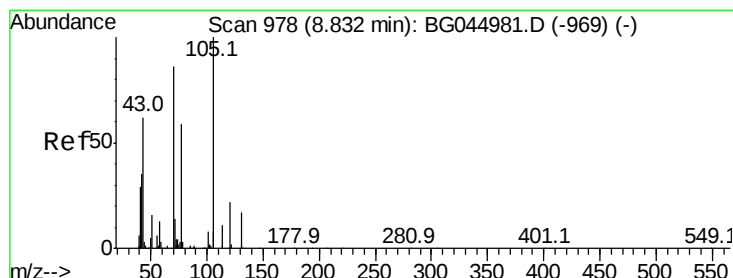
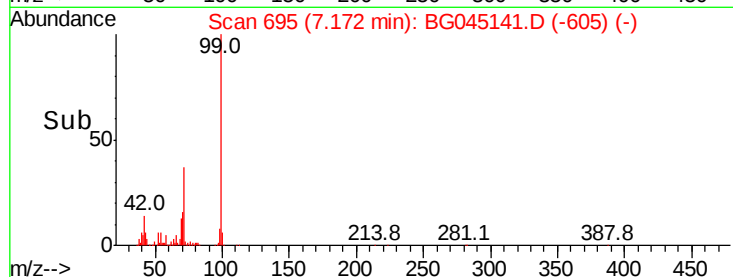
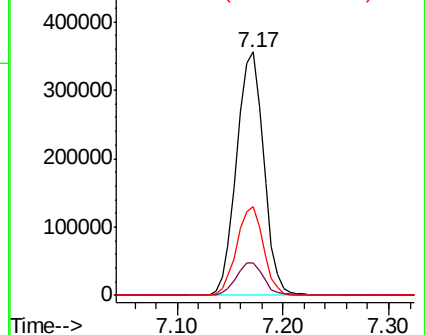
71 36.5 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.832 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Tgt Ion: 70 Resp: 58612

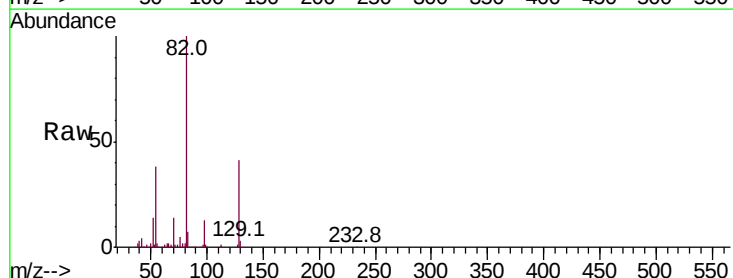
Ion Ratio Lower Upper

70 100

42 32.8 33.3 49.9#

101 0.0 7.8 11.8#

130 2.2 15.8 23.6#

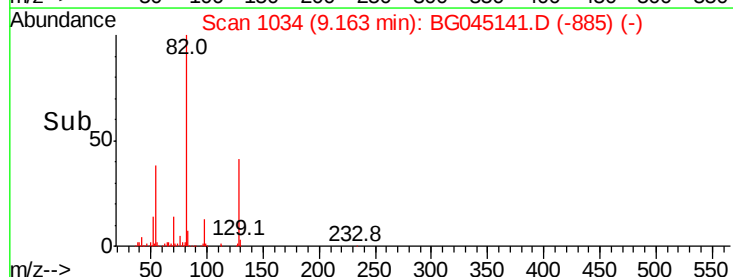
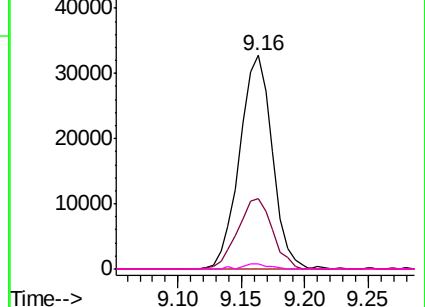


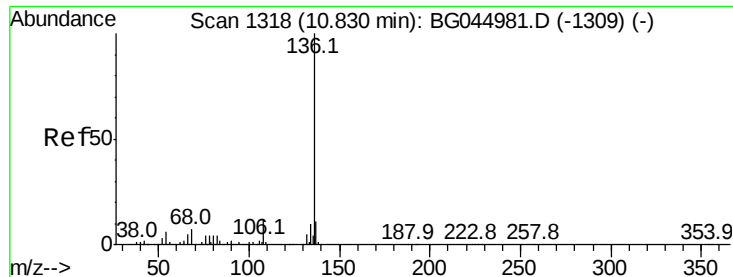
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

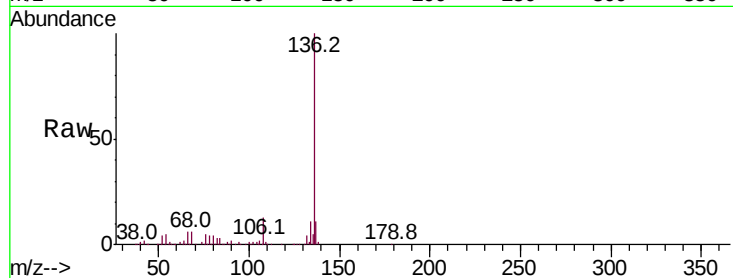




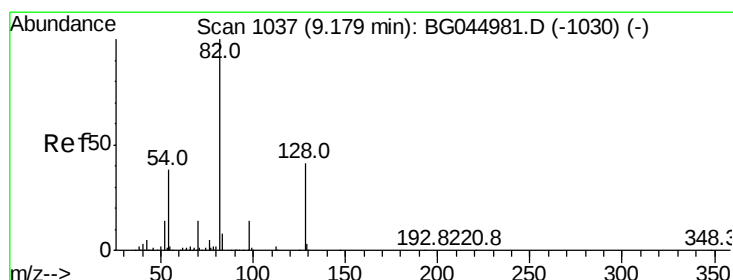
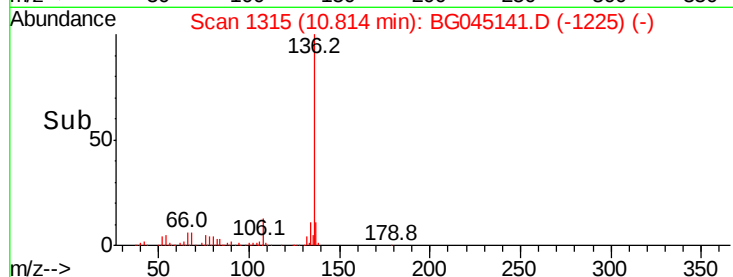
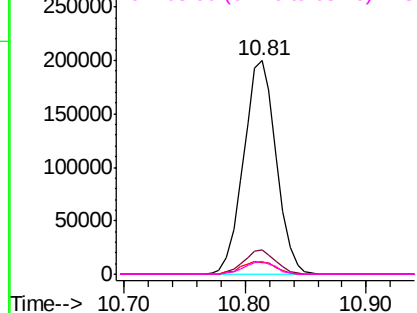
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG045141.D
Acq: 23 Apr 2020 14:32

Instrument :
BNA_G
ClientSampleId :
NCC-TOPSOIL-TF

Tot Ion:136	Resp:	374372
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.6	13.0
54 5.5	4.8	7.2
68 5.9	5.2	7.8

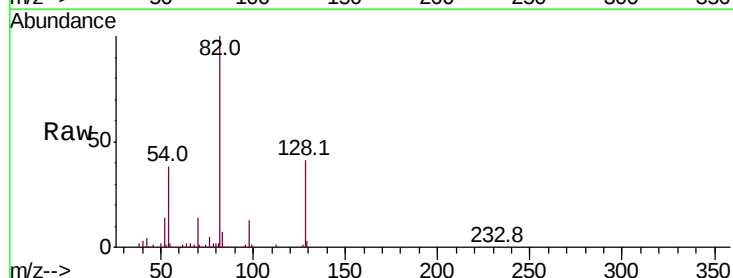


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

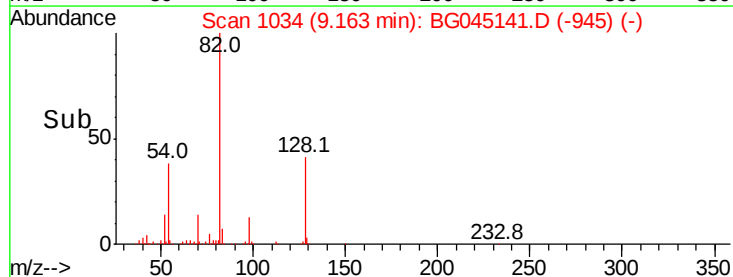
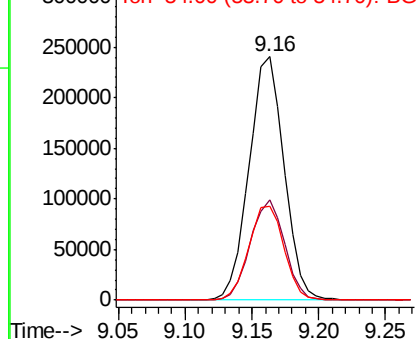


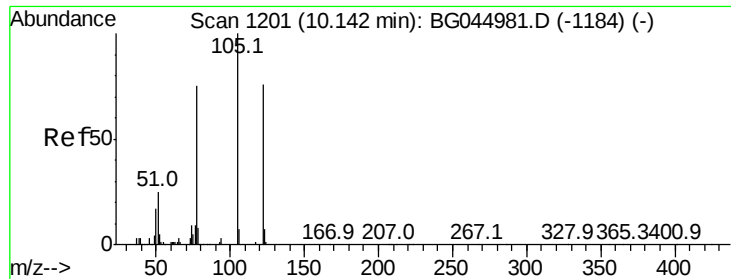
#23
Nitrobenzene-d5
Concen: 53.031 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BG045141.D
Acq: 23 Apr 2020 14:32

Tgt Ion: 82	Resp: 435101
Ion Ratio	Lower Upper
82 100	
128 40.9	33.0 49.4
54 38.4	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: 6.388 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.08 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

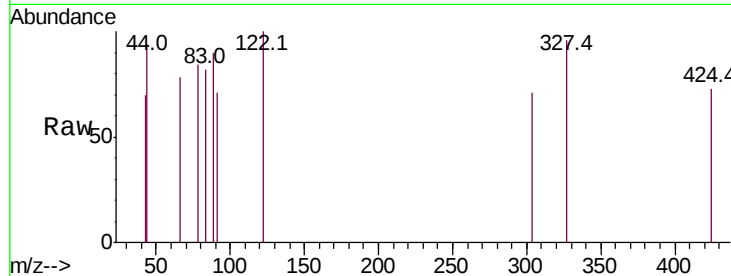
Tot Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

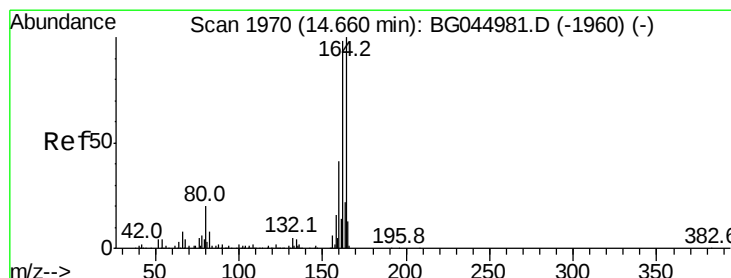
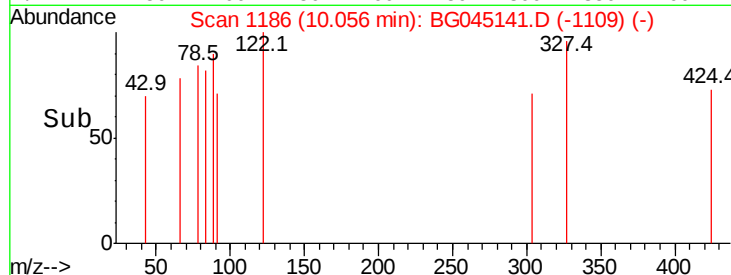
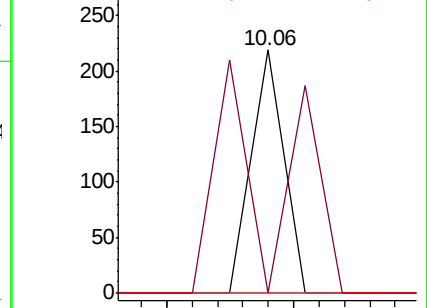
77 0.0 78.8 118.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

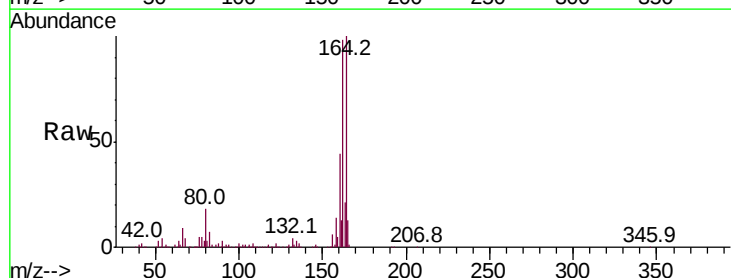
Tgt Ion:164 Resp: 268809

Ion Ratio Lower Upper

164 100

162 97.7 78.7 118.1

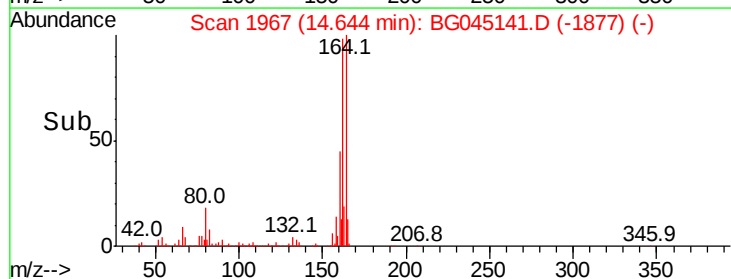
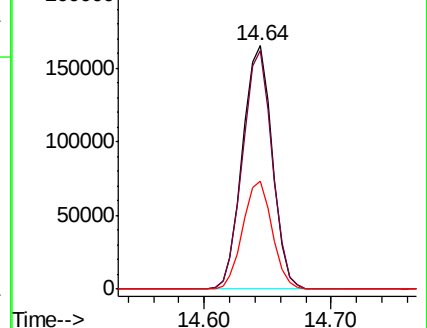
160 44.5 32.8 49.2

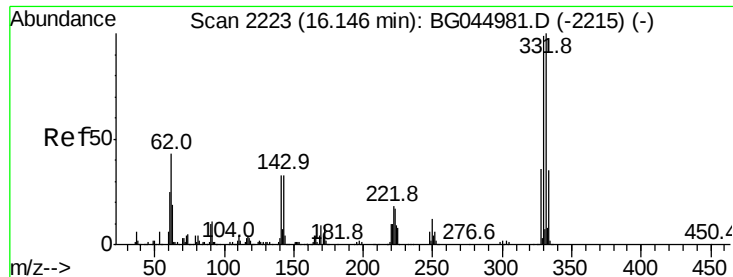


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

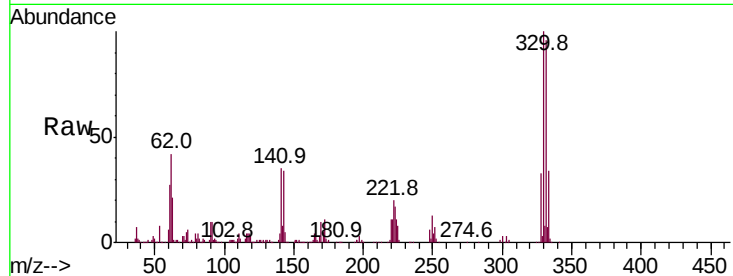




#42
 2,4,6-Tribromophenol
 Concen: 82.161 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG045141.D
 Acq: 23 Apr 2020 14:32

Instrument :
 BNA_G
 ClientSampleId :
 NCC-TOPSOIL-TF

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	35.0	27.1	40.7

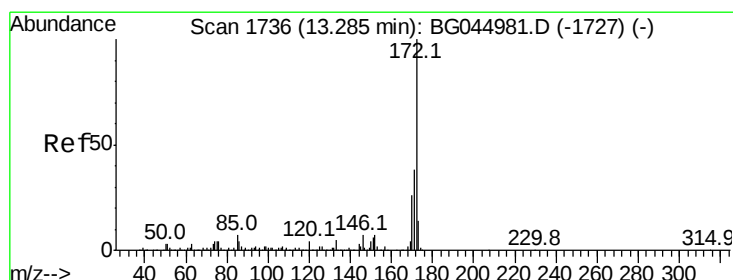
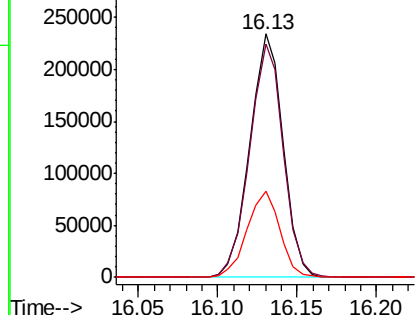
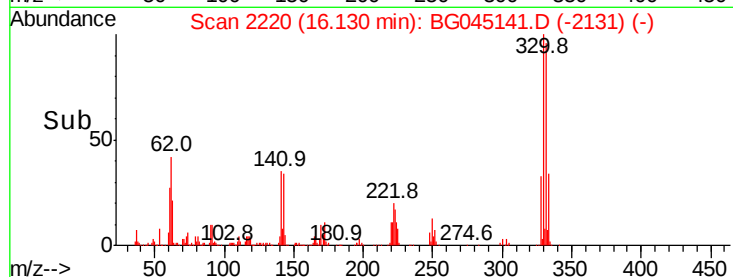


Abundance

Ion 329.80 (329.50 to 330.50): E

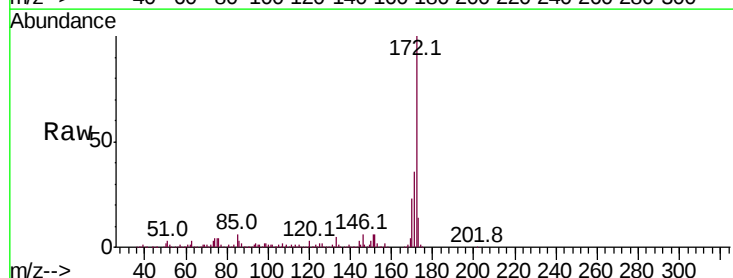
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.989 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045141.D
 Acq: 23 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	23.2	20.5	30.7

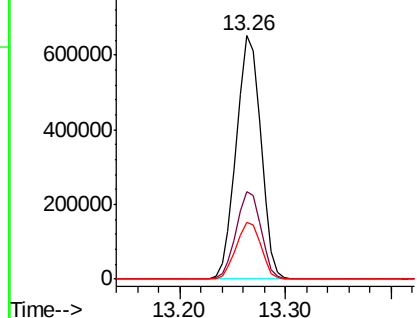
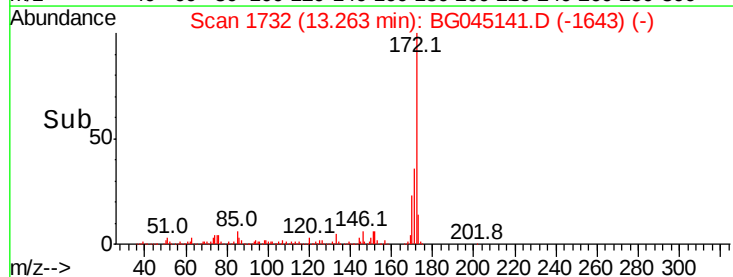


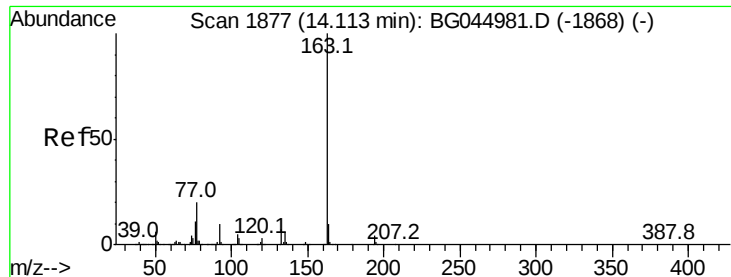
Abundance

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





#50

Dimethylphthalate

Concen: 9.581 ng

RT: 14.09 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

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ClientSampleId :

NCC-TOPSOIL-TF

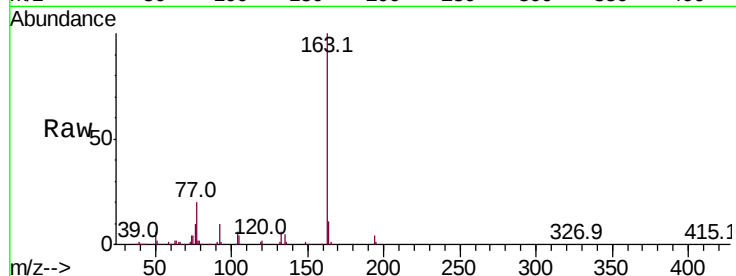
Tot Ion:163 Resp: 209711

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

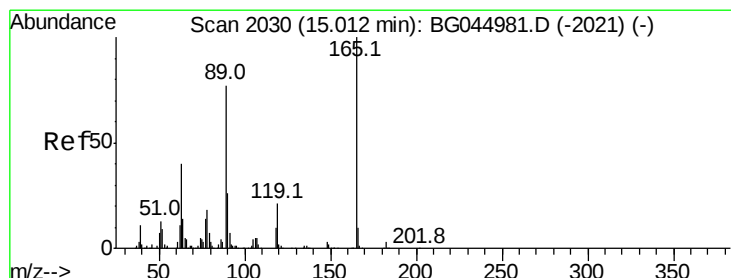
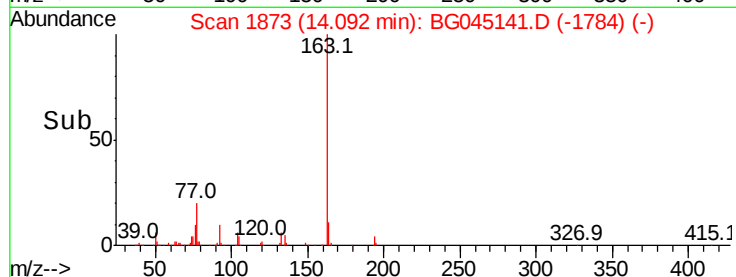
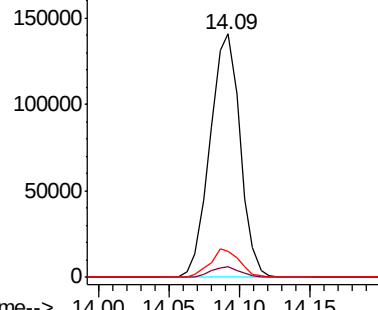
164 10.5 8.2 12.4



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: 4.997 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.36 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Tgt Ion:165 Resp: 35753

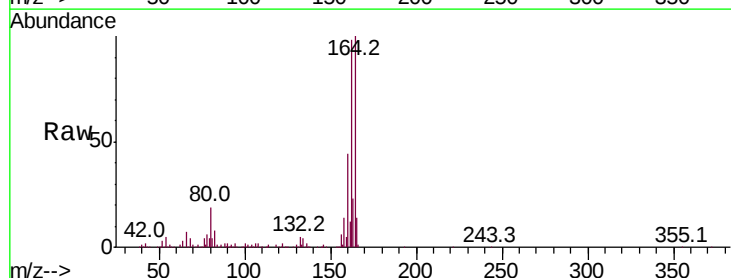
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.2 61.7 92.5#

182 0.0 2.0 3.0#

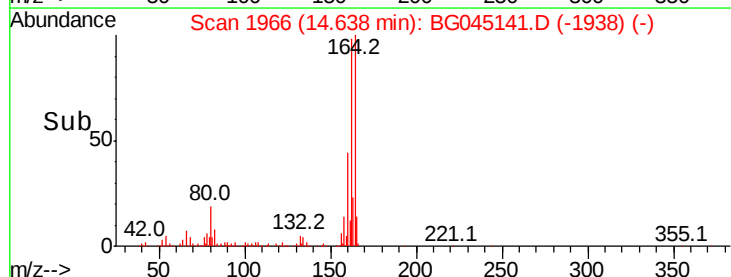
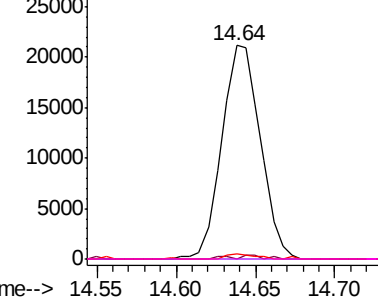


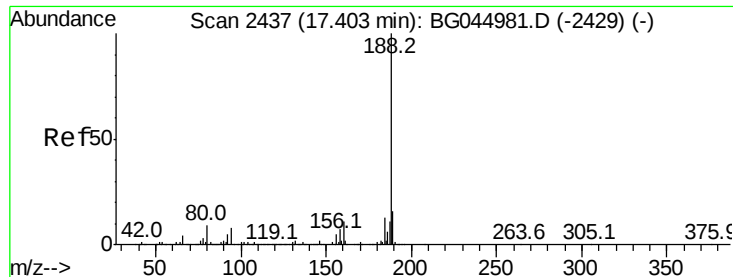
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

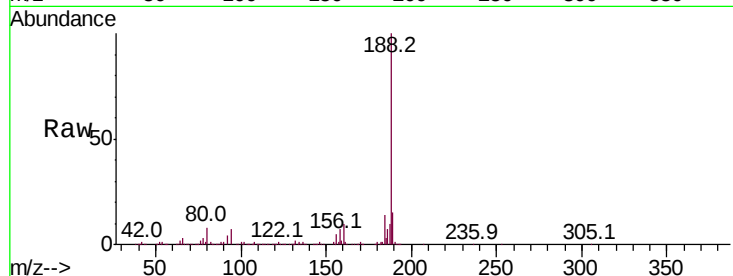
Tot Ion:188 Resp: 599028

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

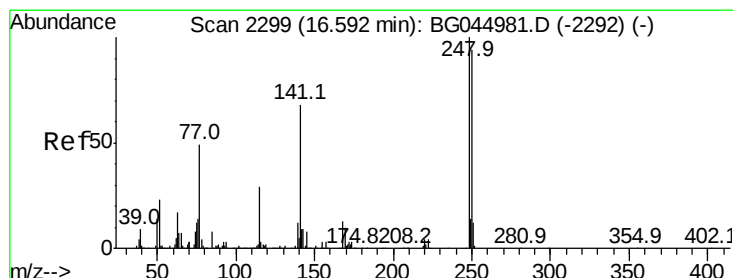
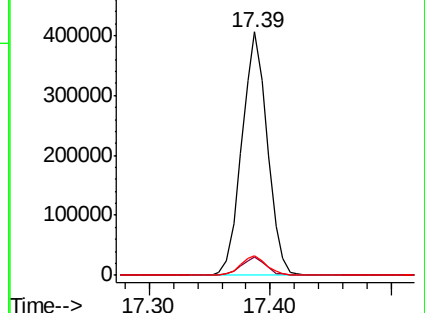
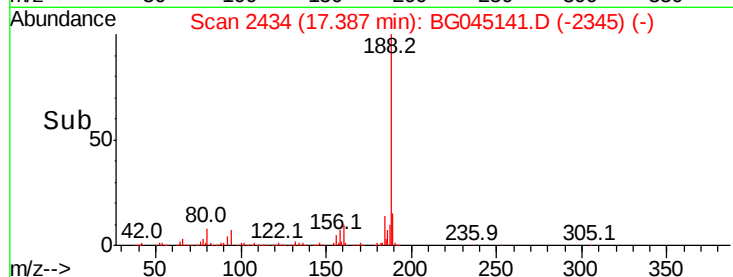
80 7.8 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.022 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.45 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

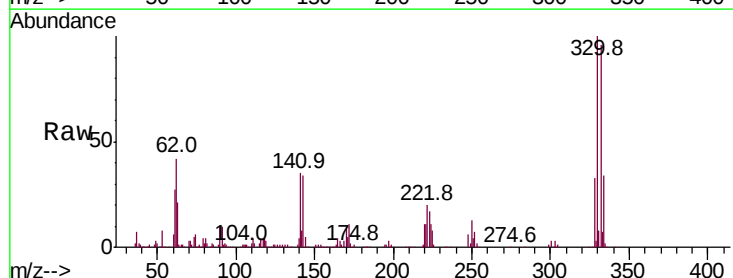
Tgt Ion:248 Resp: 23355

Ion Ratio Lower Upper

248 100

250 207.0 75.4 113.2#

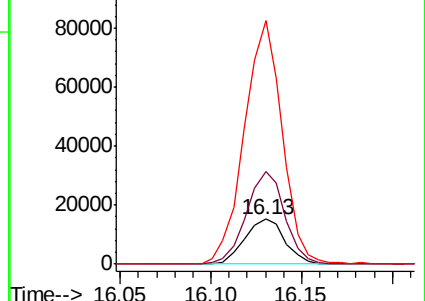
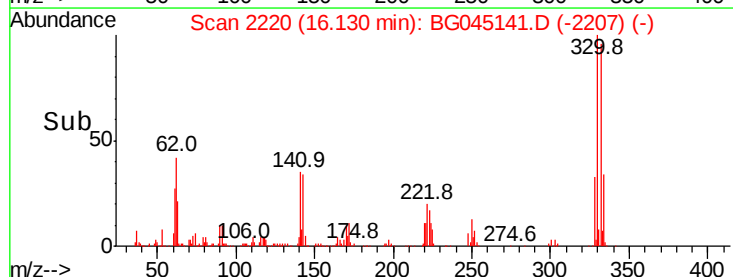
141 542.7 54.4 81.6#

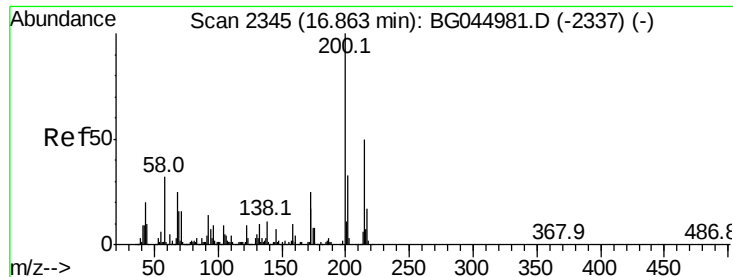


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.05 min Scan# 2377

Delta R.T. 0.21 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

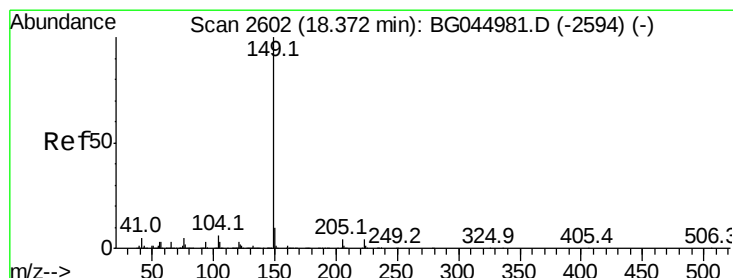
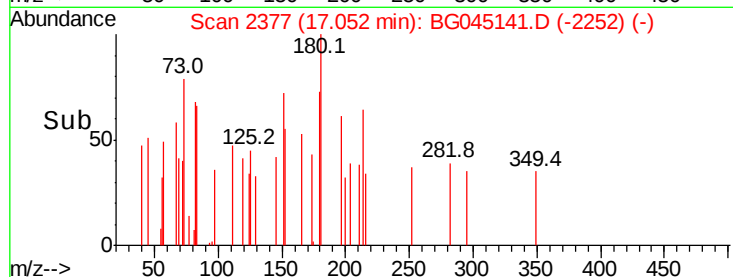
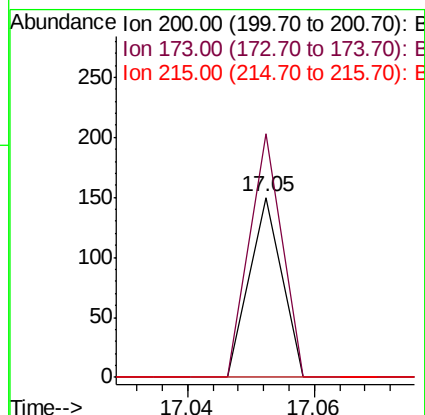
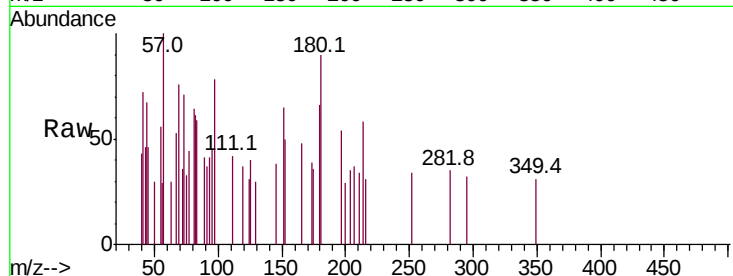
Tot Ion:200 Resp: 53

Ion Ratio Lower Upper

200 100

173 135.3 4.5 44.5#

215 0.0 30.0 70.0#



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

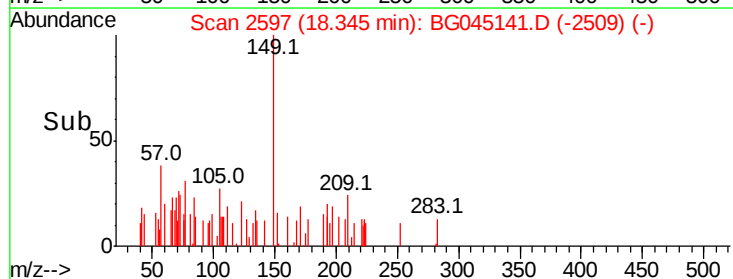
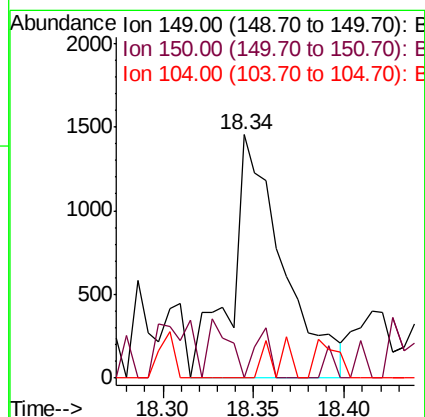
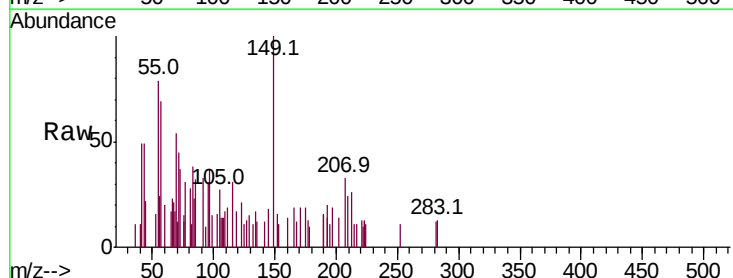
Tgt Ion:149 Resp: 2895

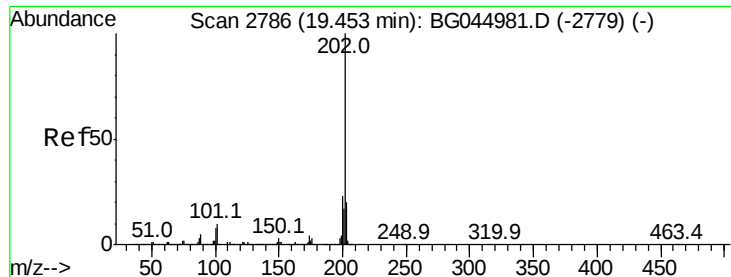
Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.8 7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

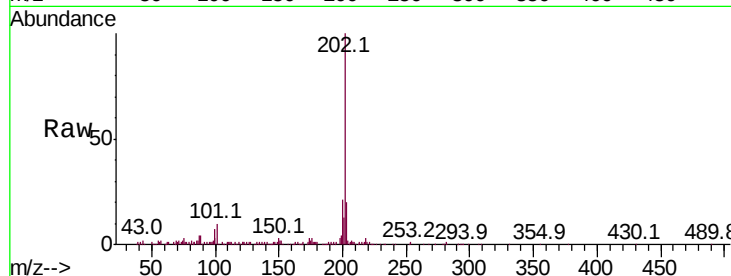
Tot Ion:202 Resp: 85966

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

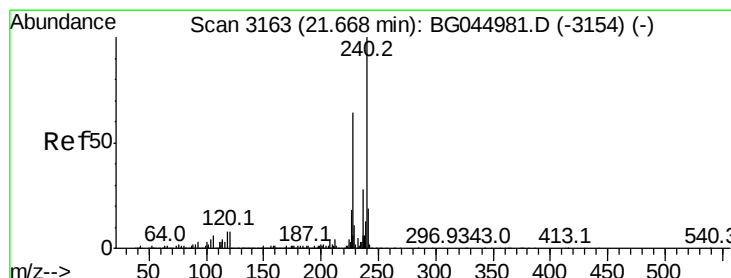
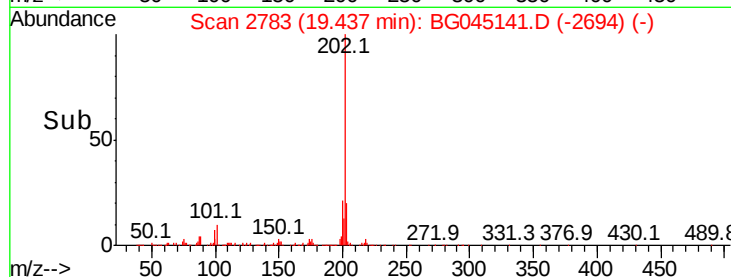
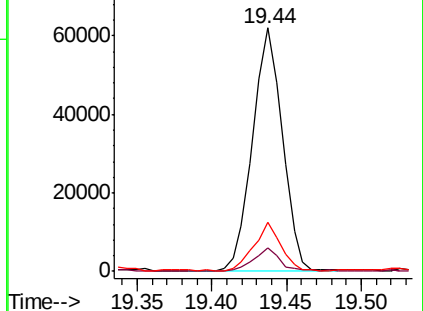
203 20.3 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

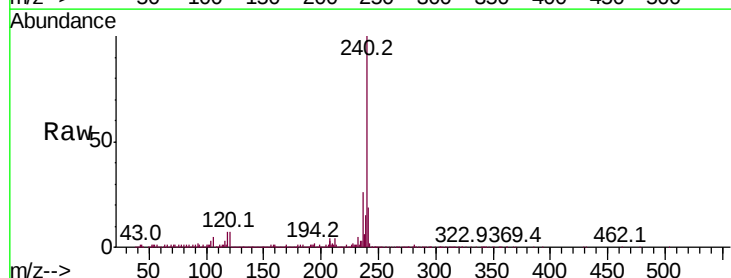
Tgt Ion:240 Resp: 515036

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

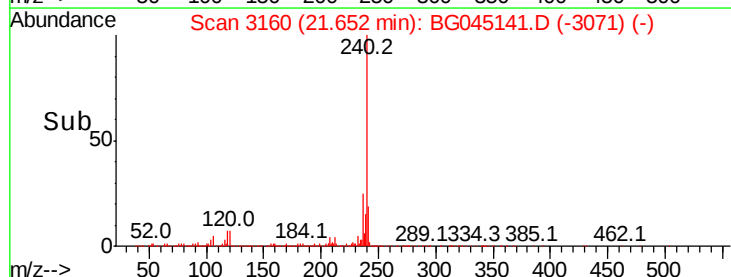
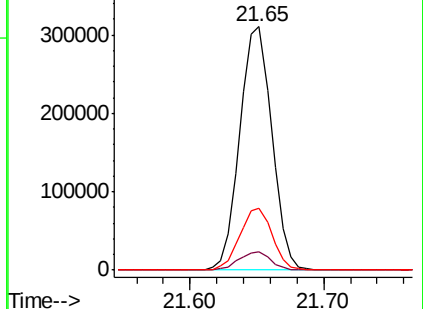
236 25.6 22.2 33.2

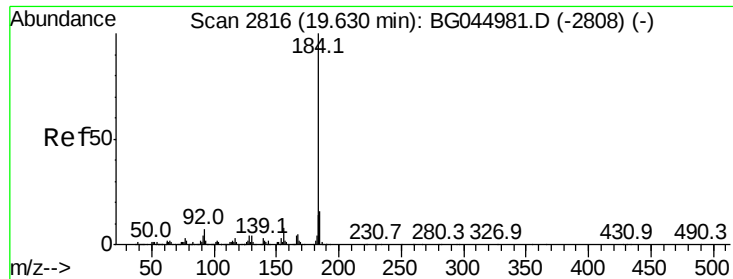


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

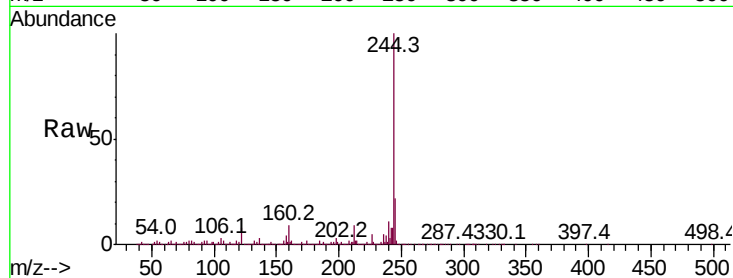
Tot Ion:184 Resp: 29906

Ion Ratio Lower Upper

184 100

185 13.4 12.6 19.0

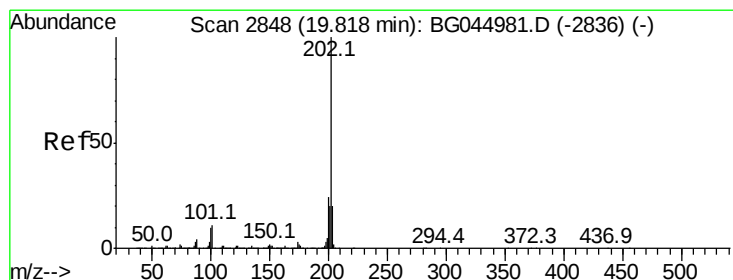
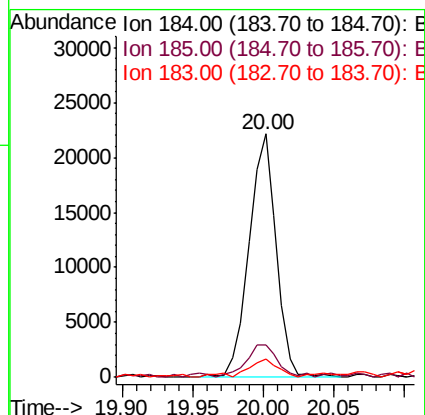
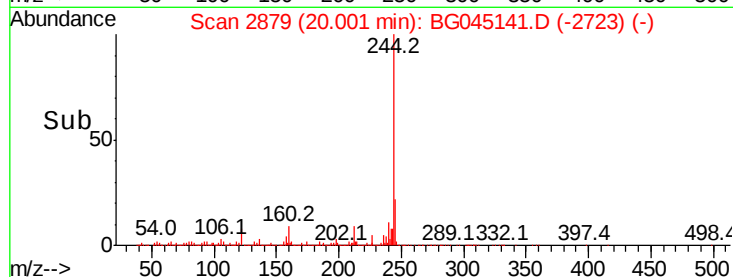
183 7.5 11.3 16.9#



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



#78

Pyrene

Concen: 2.432 ng

RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

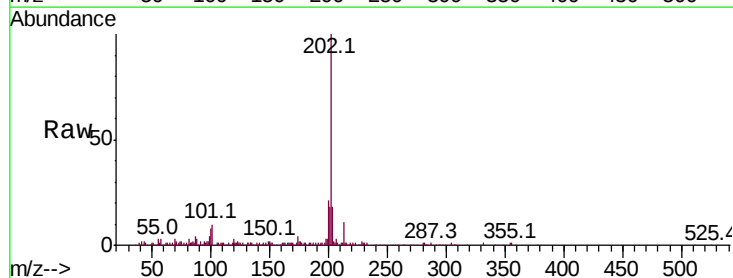
Tgt Ion:202 Resp: 86344

Ion Ratio Lower Upper

202 100

200 21.2 19.0 28.6

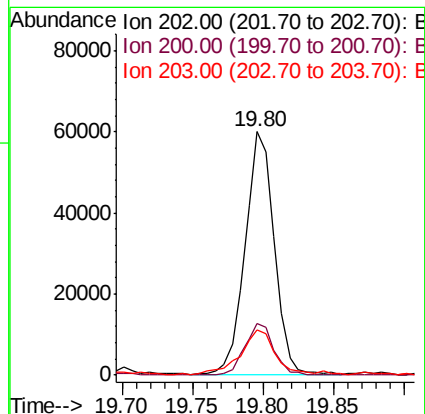
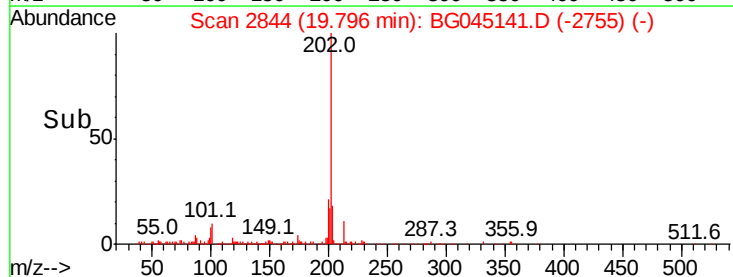
203 18.5 16.1 24.1

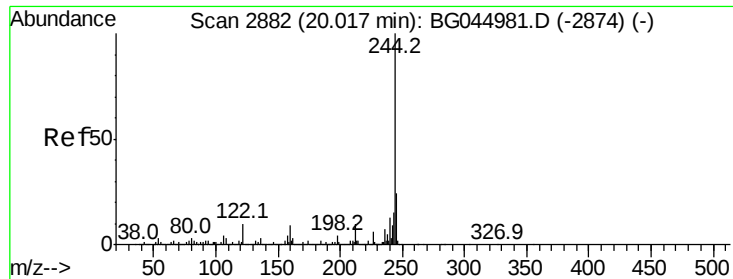


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 65.875 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

Instrument :

BNA_G

ClientSampleId :

NCC-TOPSOIL-TF

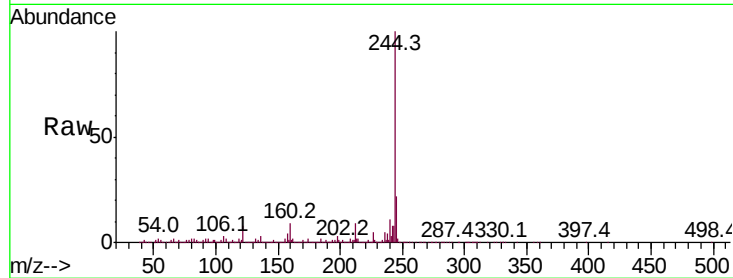
Tot Ion:244 Resp: 1556640

Ion Ratio Lower Upper

244 100

212 8.7 7.9 11.9

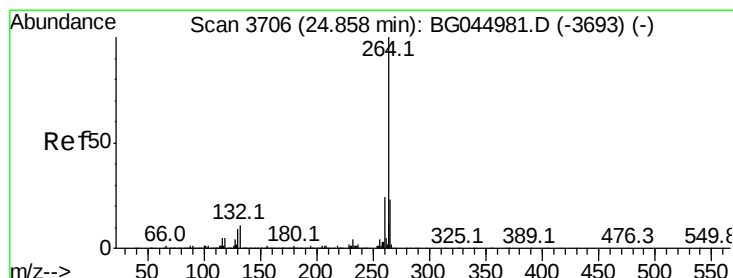
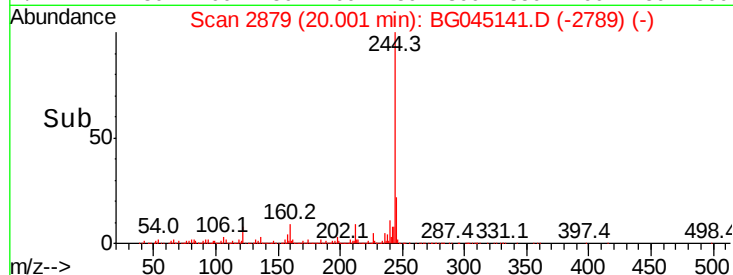
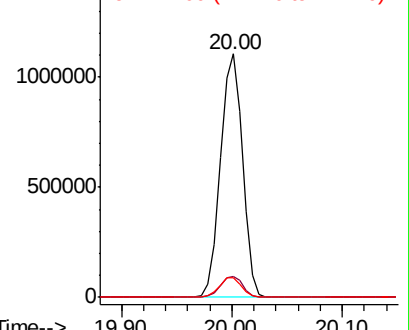
122 8.2 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

1500000 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: 24.83 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BG045141.D

Acq: 23 Apr 2020 14:32

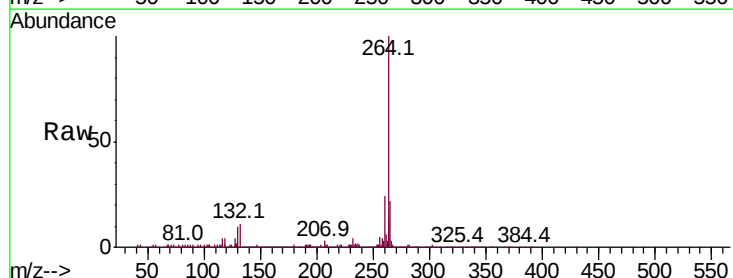
Tgt Ion:264 Resp: 554497

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.3 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

250000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

