

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045058.D
 Acq On : 18 Apr 2020 9:05
 Operator : CG/JU
 Sample : L2325-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-4-POST-DIRT-BAG

Quant Time: Apr 18 09:41:58 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	63004	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	275027	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	212615	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	496436	20.00	ng	0.00
76) Chrysene-d12	21.66	240	459823	20.00	ng	0.00
87) Perylene-d12	24.85	264	503583	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	278441	72.96	ng	0.00
7) Phenol-d6	7.18	99	300326	52.97	ng	0.00
23) Nitrobenzene-d5	9.18	82	505199	83.82	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	454387	138.34	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1250953	86.27	ng	0.00
79) Terphenyl-d14	20.01	244	2091614	99.14	ng	0.00

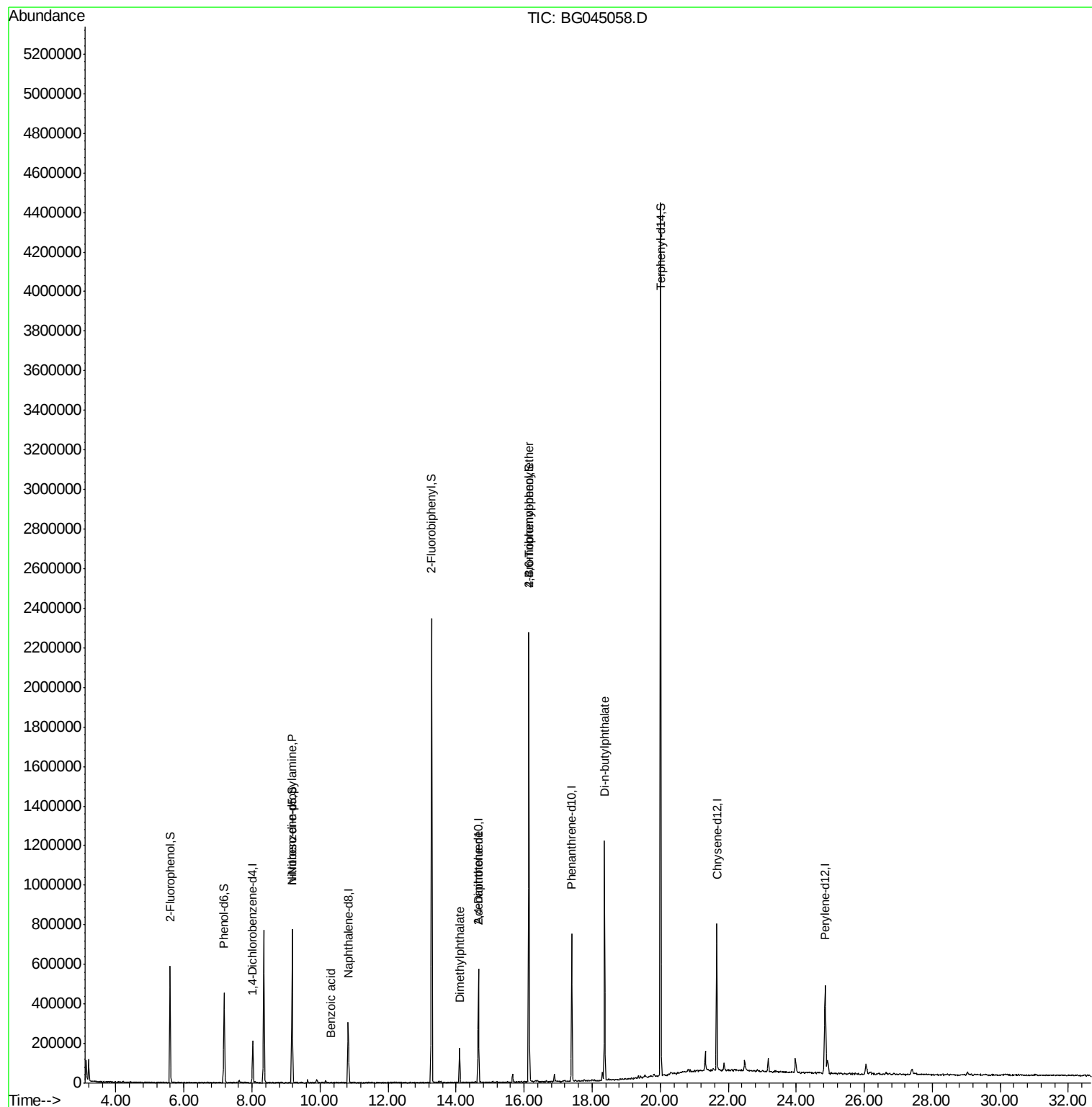
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	832	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	68029	16.966 ng	#	78
32) Benzoic acid	10.32	122	67	6.391 ng	#	1
50) Dimethylphthalate	14.10	163	118873	6.866 ng	#	99
57) 2,4-Dinitrotoluene	14.65	165	28781	5.086 ng	#	21
67) 4-Bromophenyl-phenylether	16.15	248	32259	5.037 ng	#	1
69) Atrazine	16.86	200	111	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	886872	29.249 ng		99
75) Fluoranthene	19.45	202	4188	Below Cal		96
77) Benzidine	20.01	184	42673	Below Cal	#	88

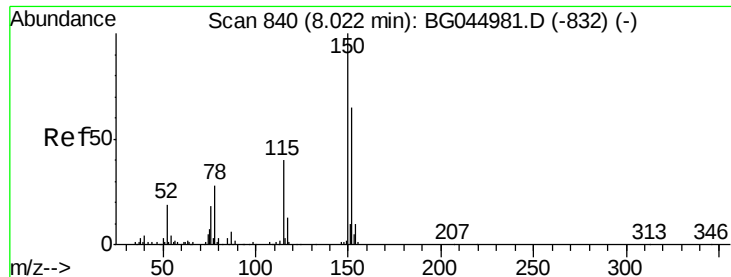
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045058.D

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Instrument :

BNA_G

ClientSampleId :

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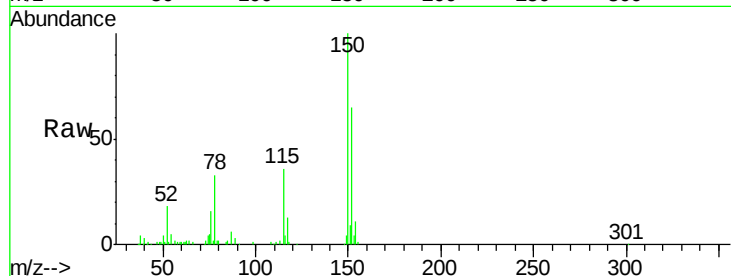
Tot Ion:152 Resp: 63004

Ion Ratio Lower Upper

152 100

150 155.0 123.6 185.4

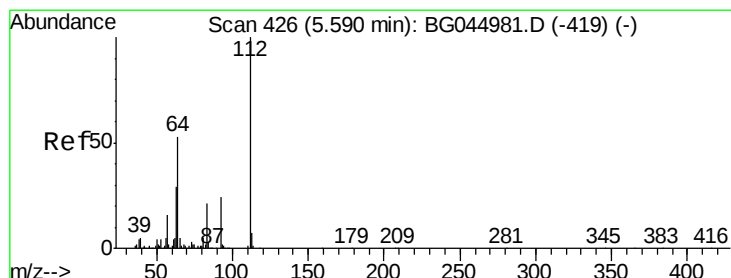
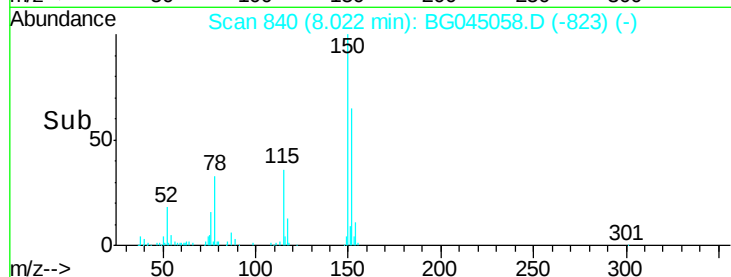
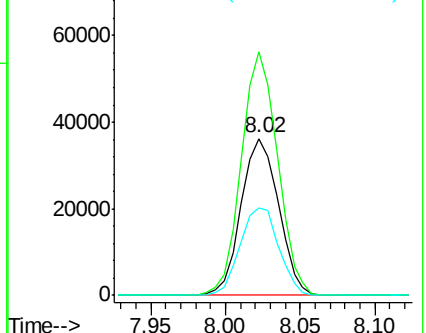
115 55.6 49.1 73.7



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: 72.962 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

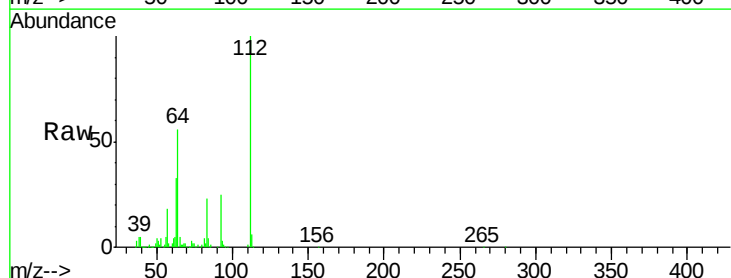
Tgt Ion:112 Resp: 278441

Ion Ratio Lower Upper

112 100

64 56.1 42.4 63.6

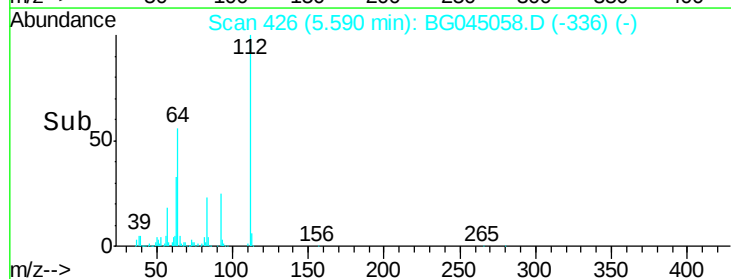
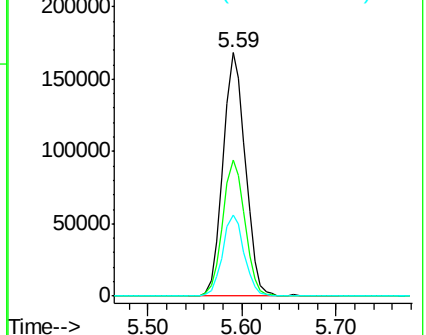
63 33.2 23.1 34.7

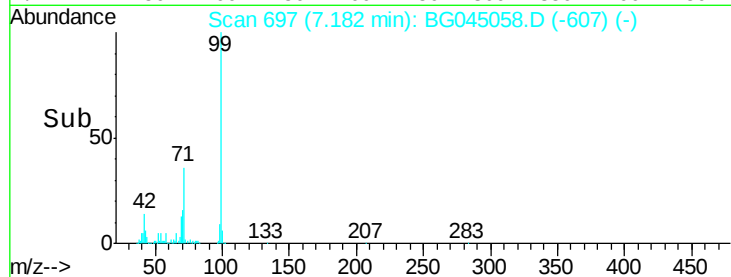
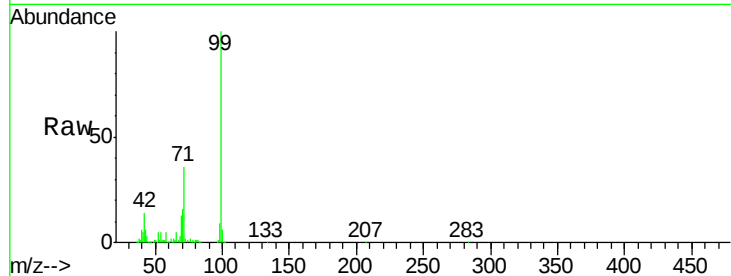
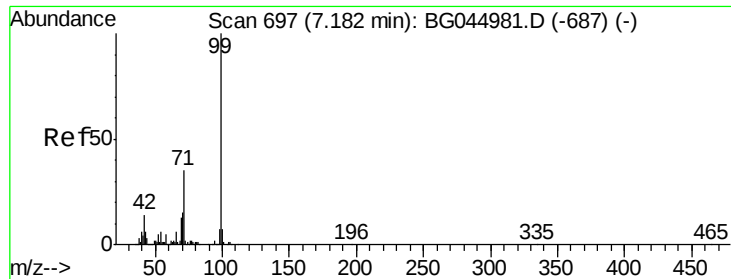


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 52.968 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Instrument :

BNA_G

ClientSampleId :

MH-4-POST-DIRT-BAG

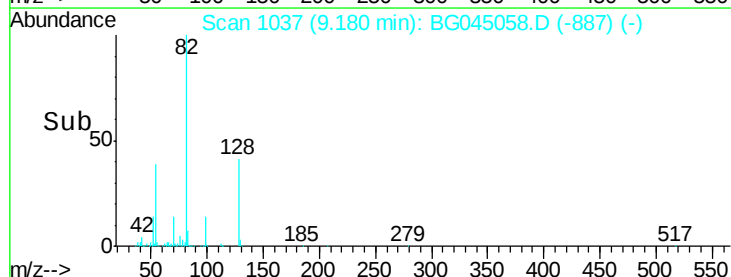
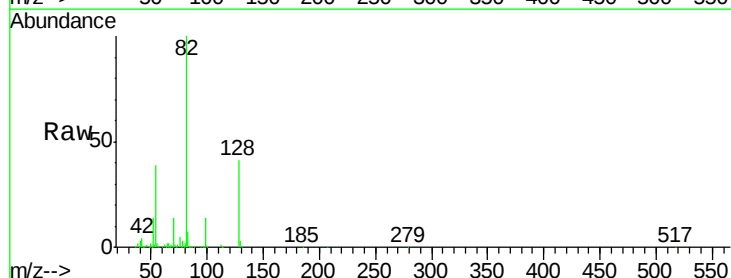
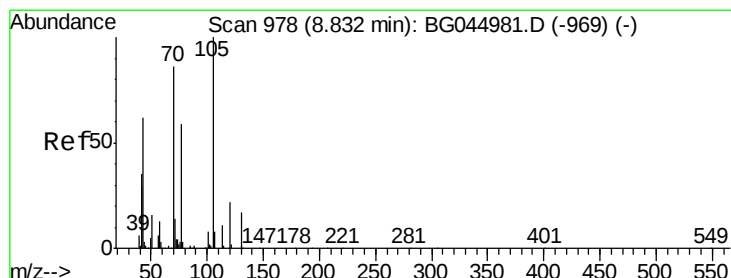
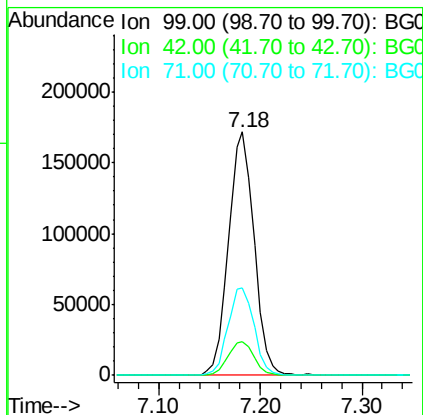
Tot Ion: 99 Resp: 300326

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 36.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.966 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Tgt Ion: 70 Resp: 68029

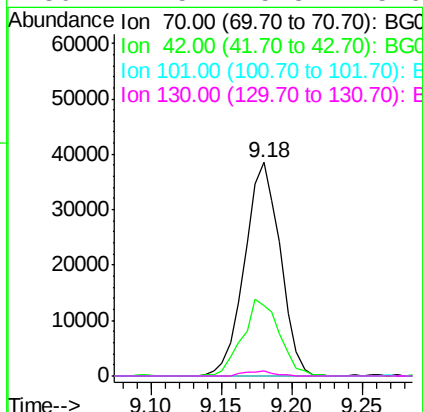
Ion Ratio Lower Upper

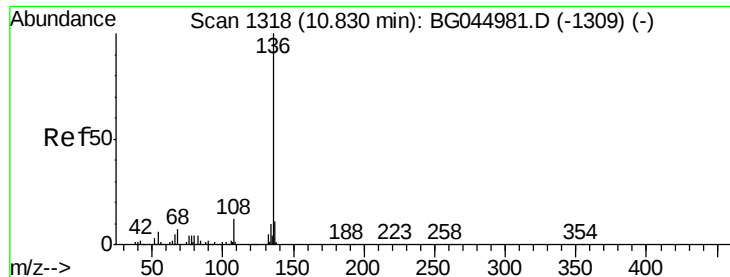
70 100

42 33.1 33.3 49.9#

101 0.0 7.8 11.8#

130 2.5 15.8 23.6#

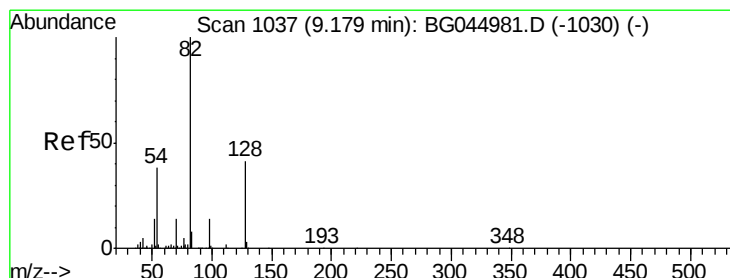
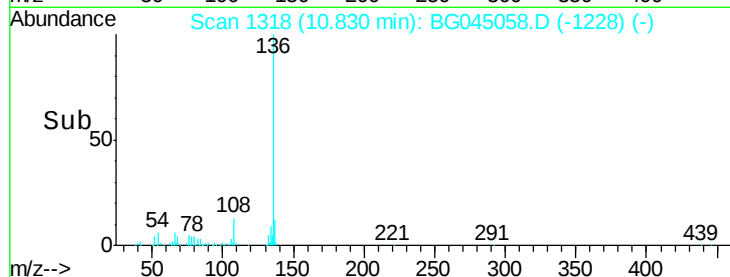
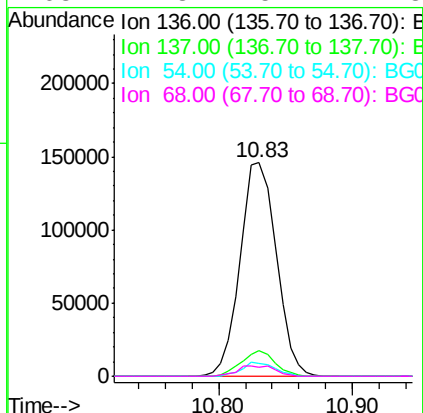
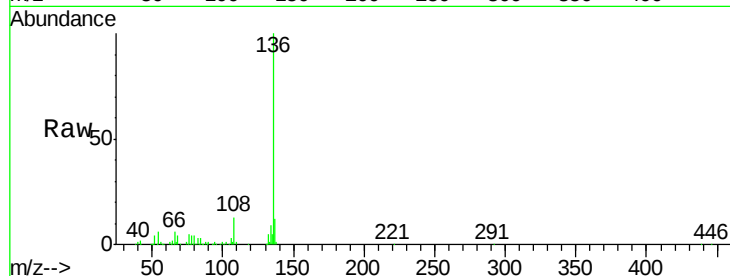




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

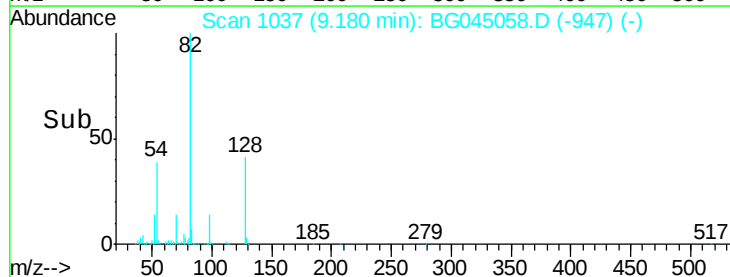
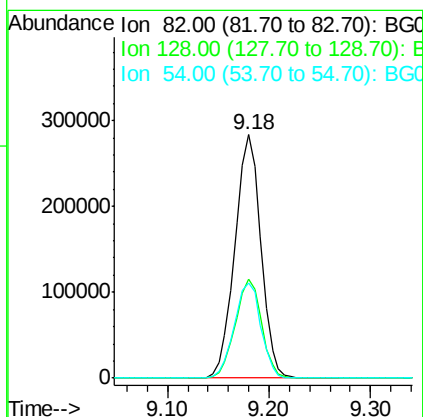
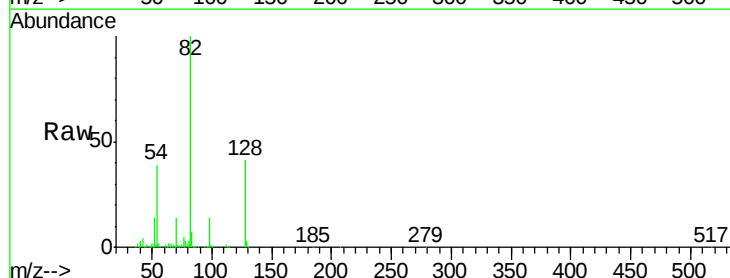
Instrument :
BNA_G
ClientSampleId :
MH-4-POST-DIRT-BAG

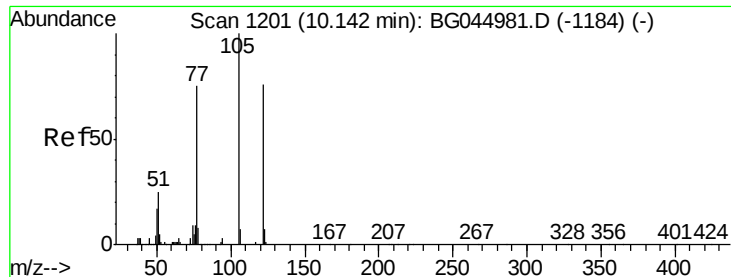
Tot Ion:136	Resp: 275027
Ion Ratio	Lower Upper
136 100	
137 11.7	8.6 13.0
54 5.9	4.8 7.2
68 4.3	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 83.816 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

Tgt	Ion: 82	Resp:	505199
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.0	49.4
54	39.3	30.4	45.6

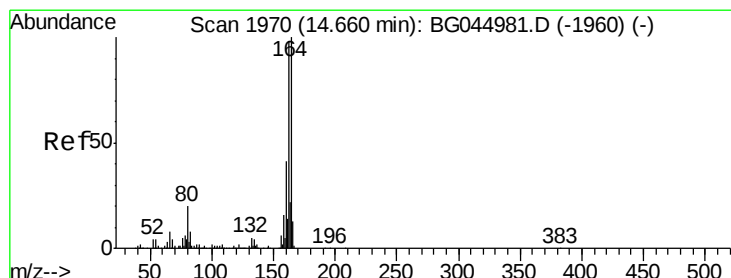
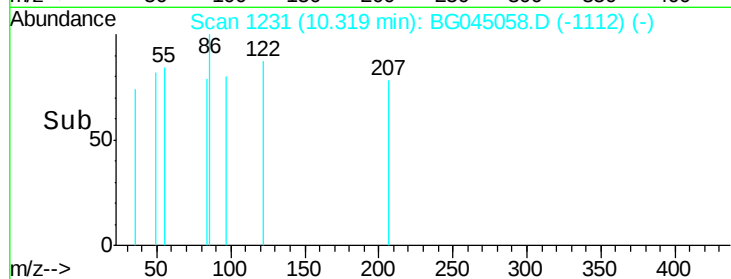
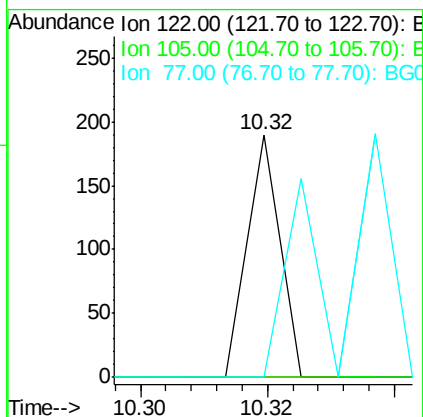
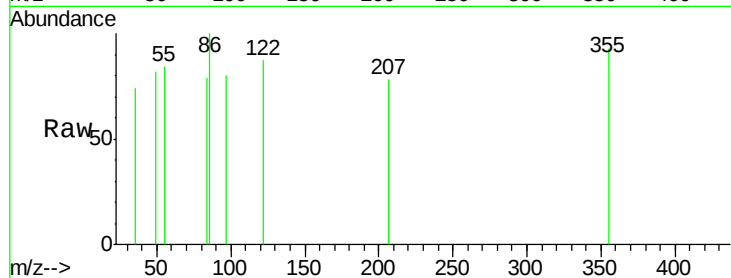




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.17 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

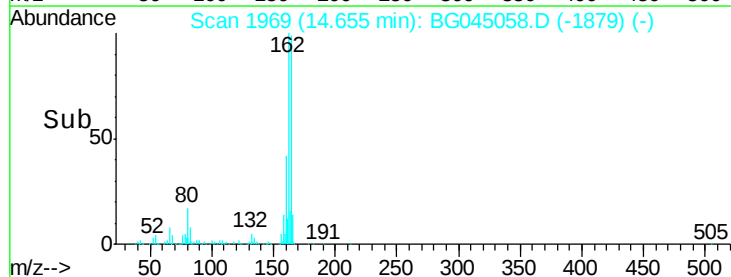
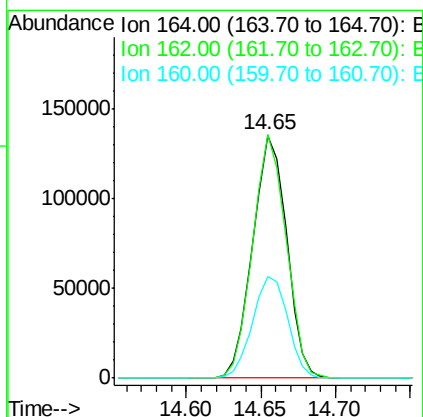
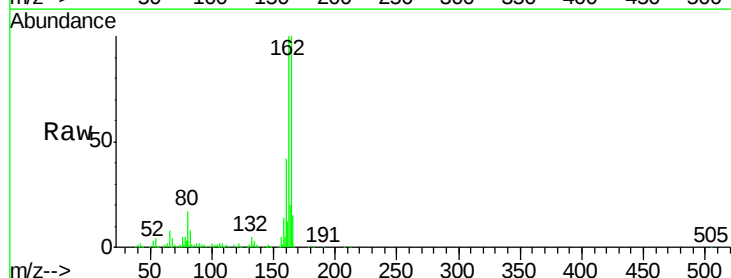
Instrument :
BNA_G
ClientSampleId :
MH-4-POST-DIRT-BAG

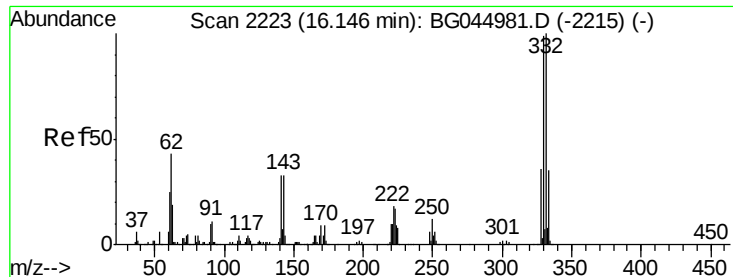
Tot Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

Tgt Ion:164 Resp: 212615
Ion Ratio Lower Upper
164 100
162 100.4 78.7 118.1
160 42.1 32.8 49.2





#42

2,4,6-Tribromophenol

Concen: 138.338 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Instrument :

BNA_G

ClientSampleId :

MH-4-POST-DIRT-BAG

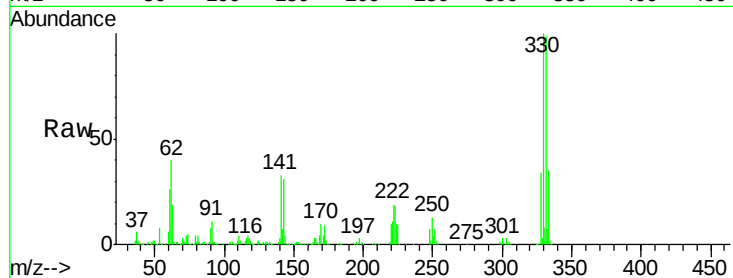
Tot Ion:330 Resp: 454387

Ion Ratio Lower Upper

330 100

332 96.4 79.1 118.7

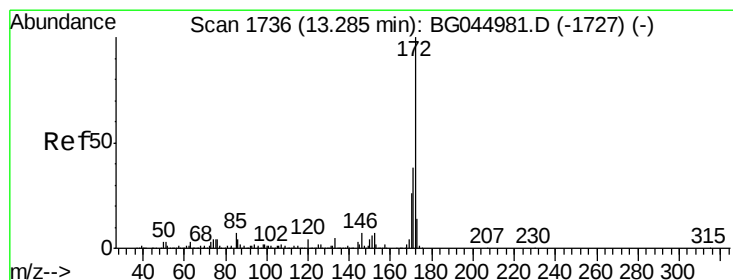
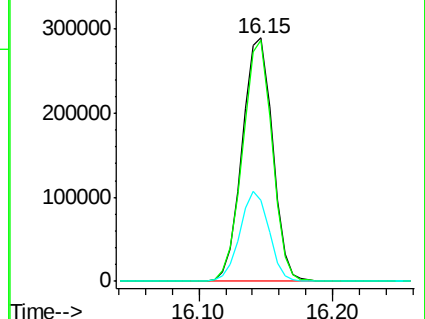
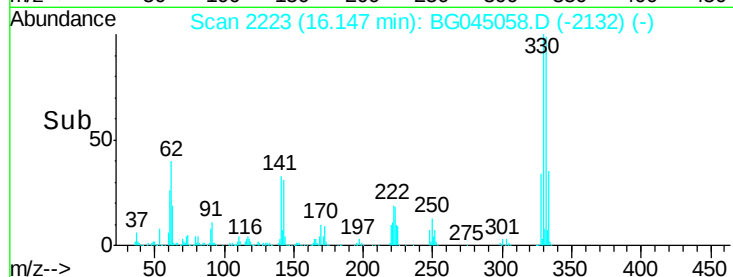
141 35.6 27.1 40.7



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: 86.273 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

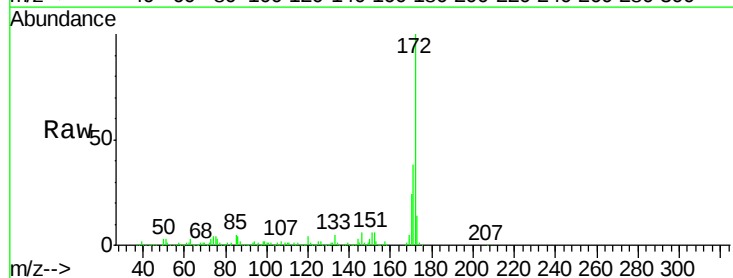
Tgt Ion:172 Resp: 1250953

Ion Ratio Lower Upper

172 100

171 38.4 30.6 46.0

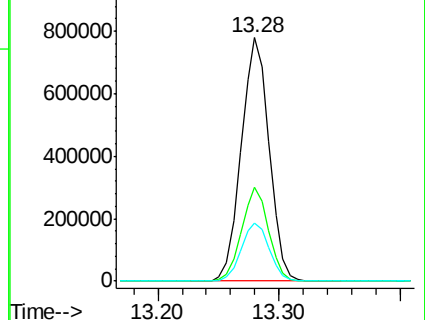
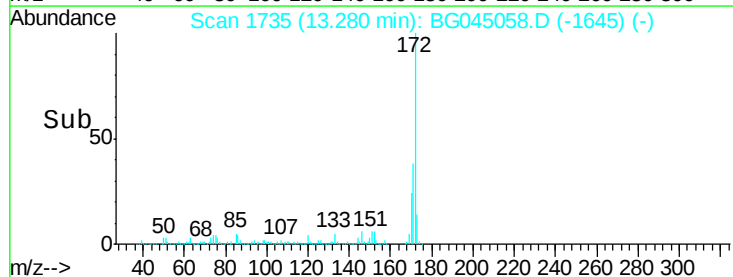
170 23.8 20.5 30.7

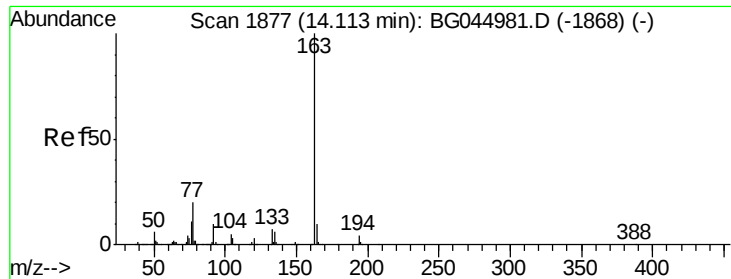


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

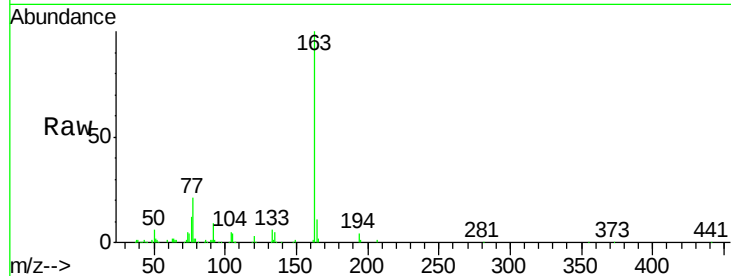




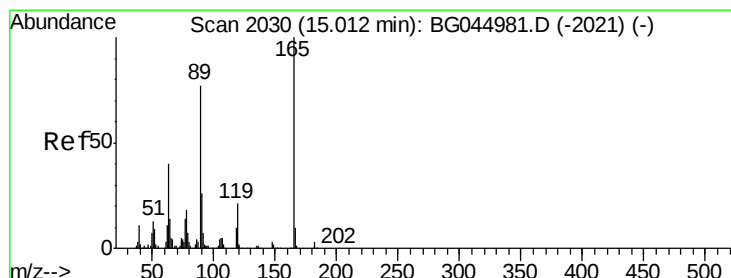
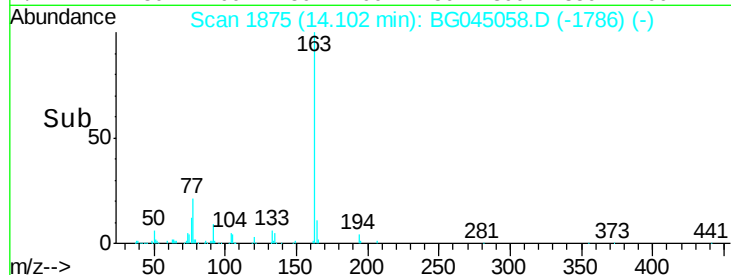
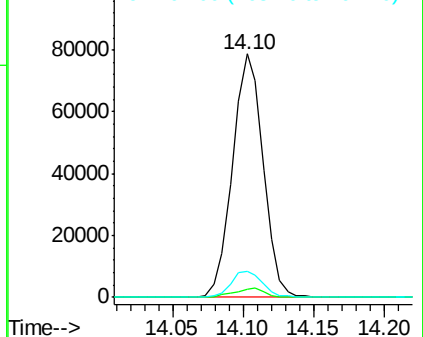
#50
Dimethylphthalate
Concen: 6.866 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

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Tot Ion:163 Resp: 118873
Ion Ratio Lower Upper
163 100
194 3.5 3.5 5.3#
164 10.7 8.2 12.4

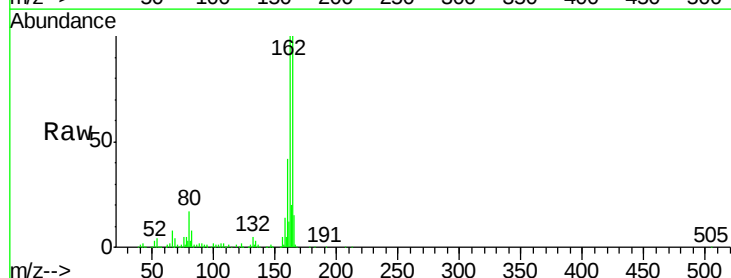


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

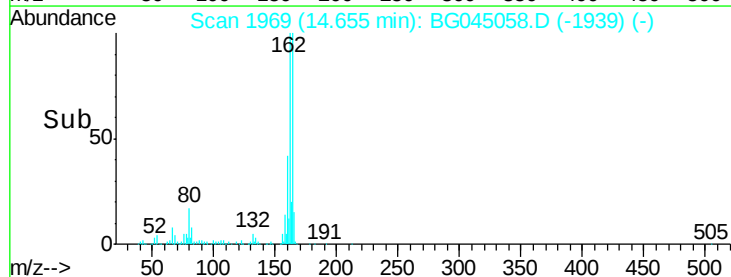
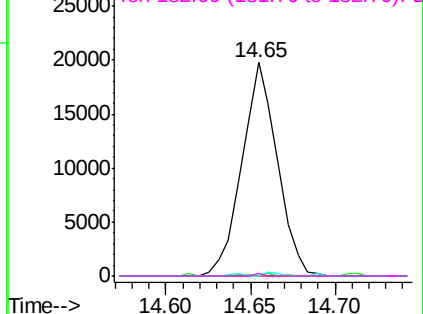


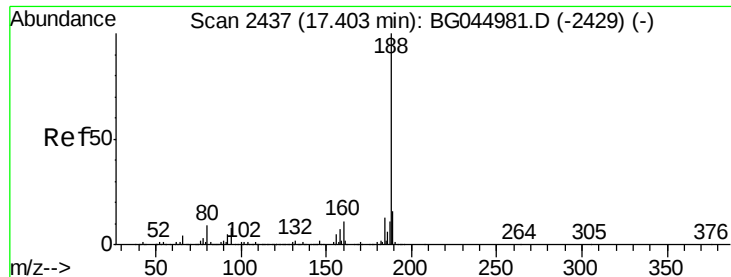
#57
2,4-Dinitrotoluene
Concen: 5.086 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.35 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

Tgt Ion:165 Resp: 28781
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 61.7 92.5#
182 1.1 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

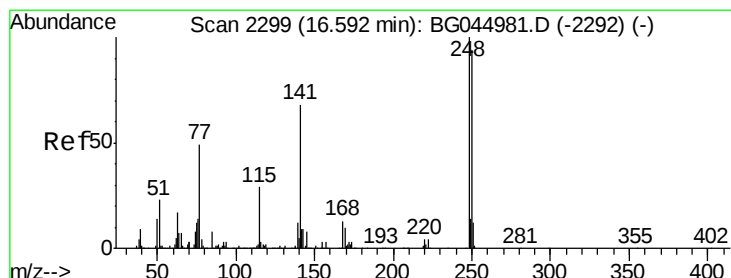
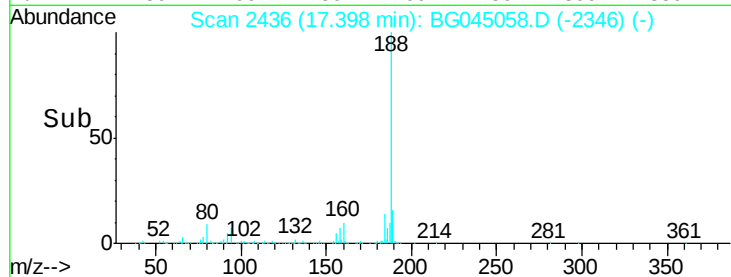
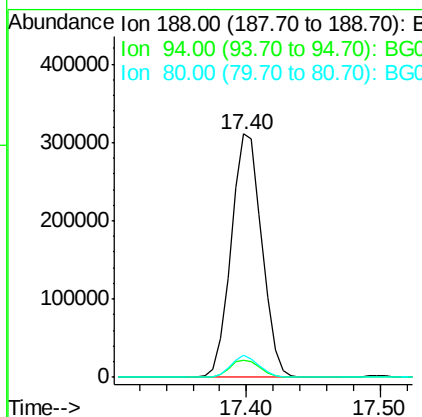
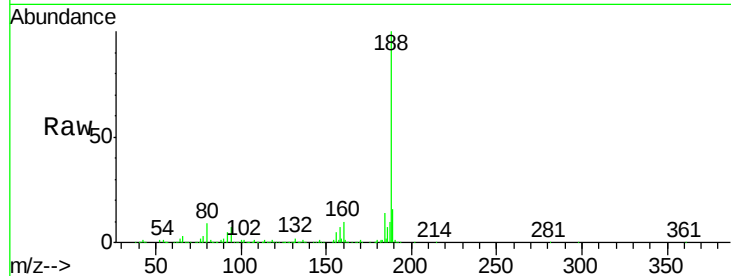




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

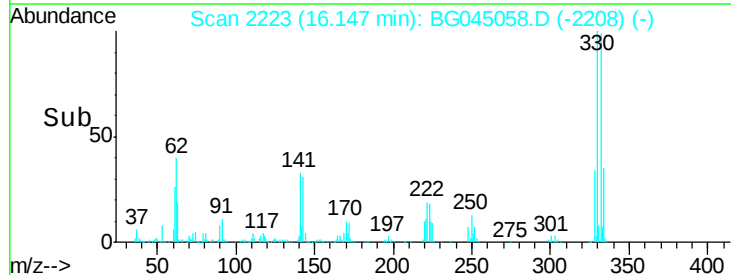
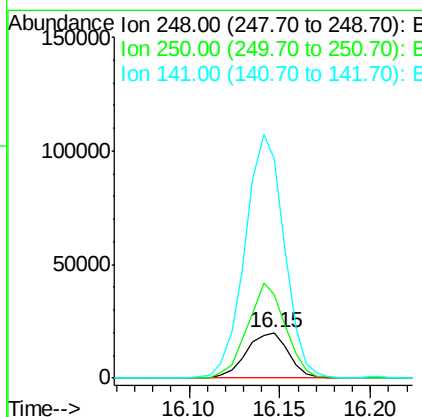
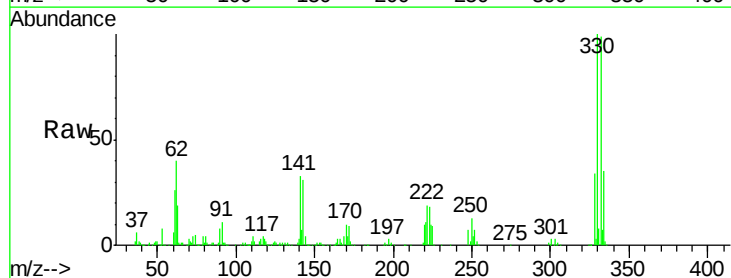
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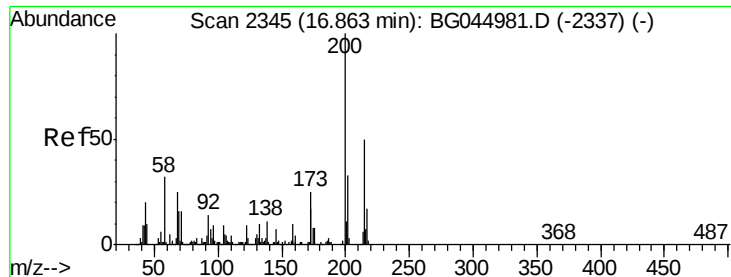
Tot Ion:188 Resp: 496436
Ion Ratio Lower Upper
188 100
94 7.2 6.2 9.4
80 9.2 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 5.037 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.44 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

Tgt Ion:248 Resp: 32259
Ion Ratio Lower Upper
248 100
250 183.8 75.4 113.2#
141 480.5 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2344

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Instrument :

BNA_G

ClientSampleId :

MH-4-POST-DIRT-BAG

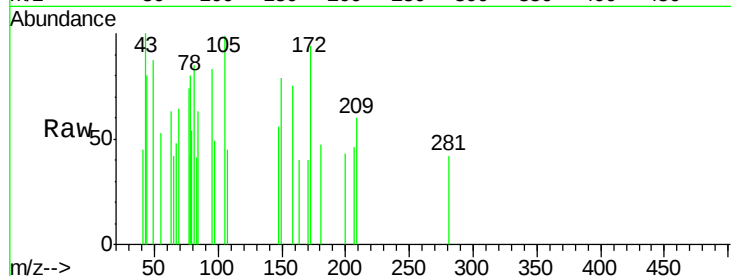
Tot Ion:200 Resp: 111

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

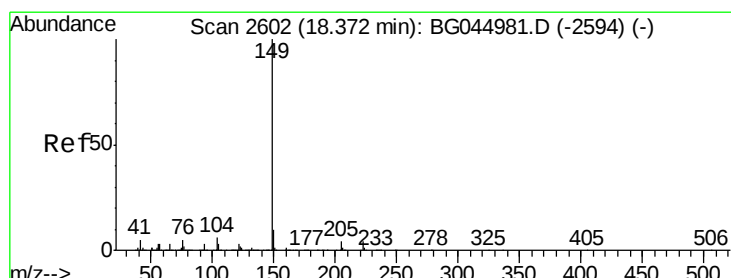
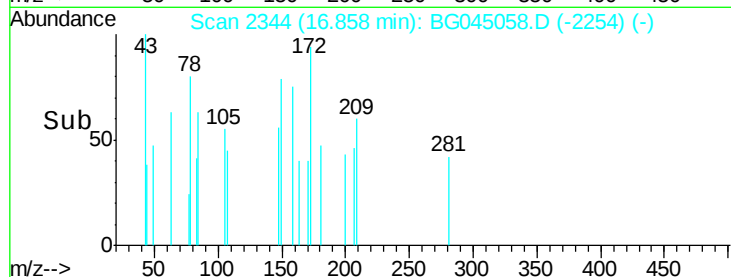
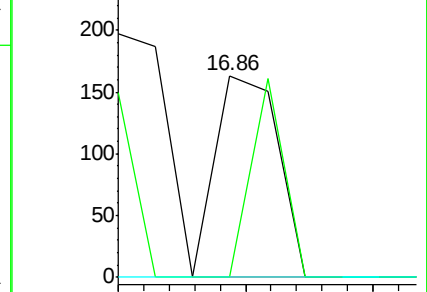
215 0.0 30.0 70.0#



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



#74

Di-n-butylphthalate

Concen: 29.249 ng

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

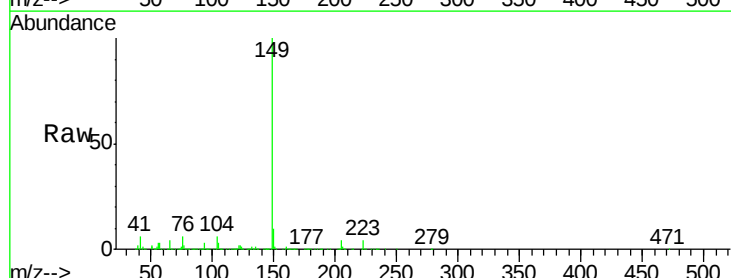
Tgt Ion:149 Resp: 886872

Ion Ratio Lower Upper

149 100

150 9.7 8.2 12.2

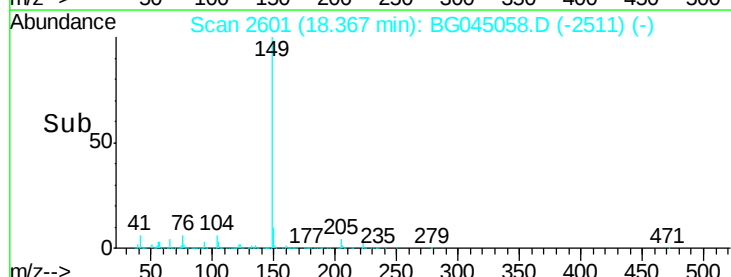
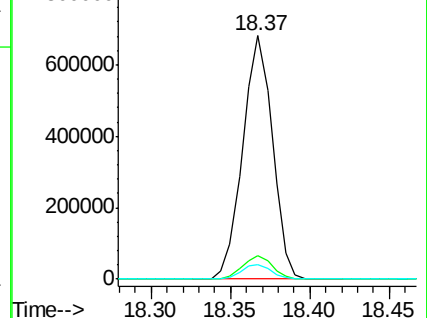
104 5.9 4.8 7.2

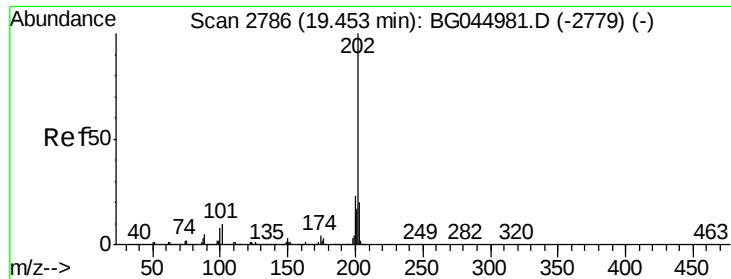


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

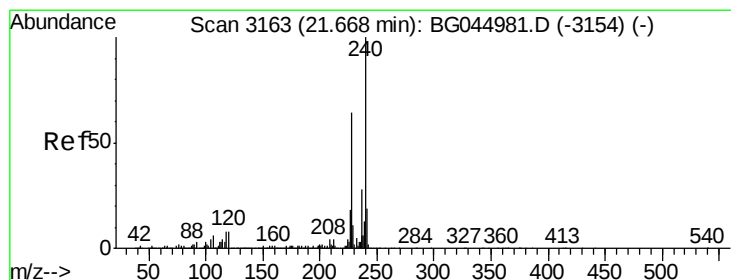
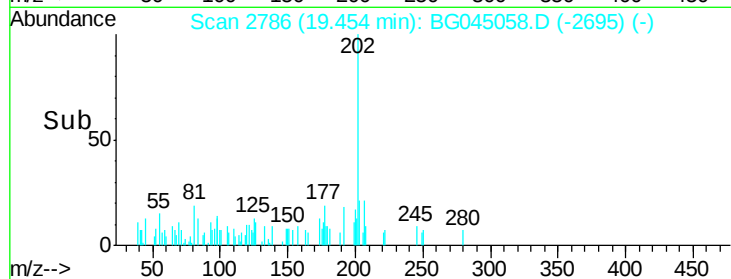
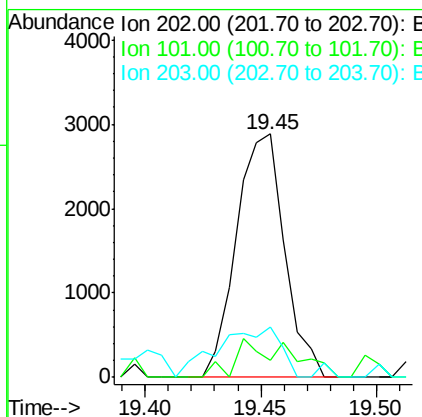
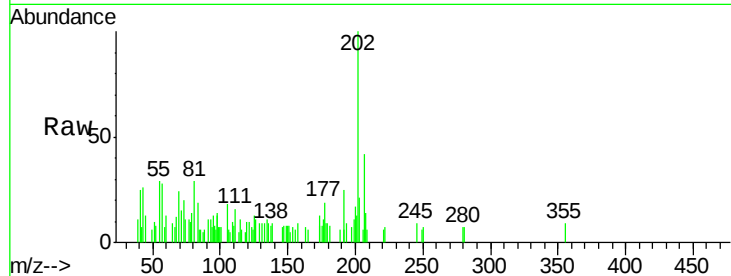
Instrument :

BNA_G

ClientSampleId :

MH-4-POST-DIRT-BAG

Tot Ion:	202	Resp:	4188
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	29.6
203	20.9	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

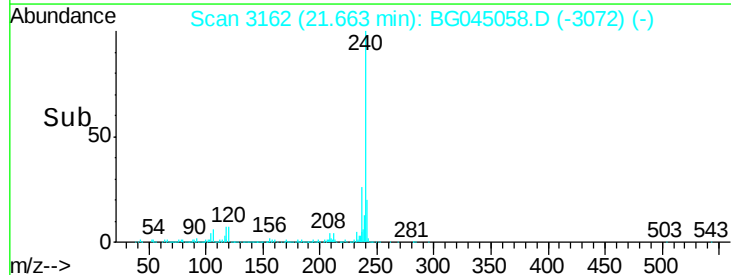
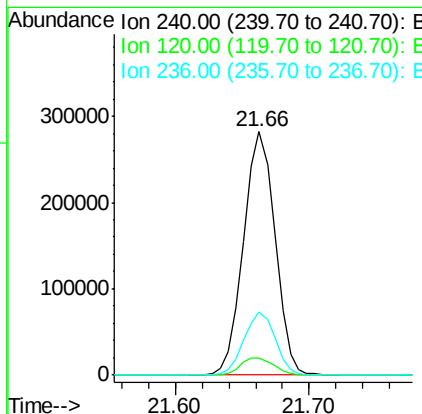
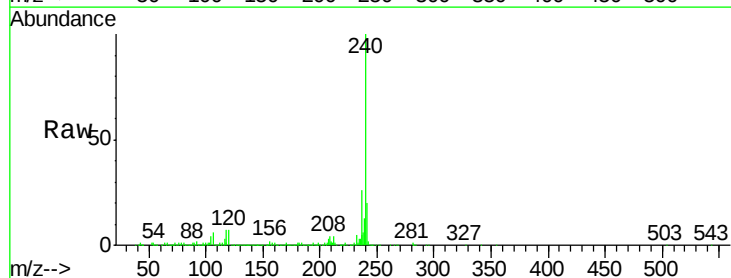
RT: 21.66 min Scan# 3162

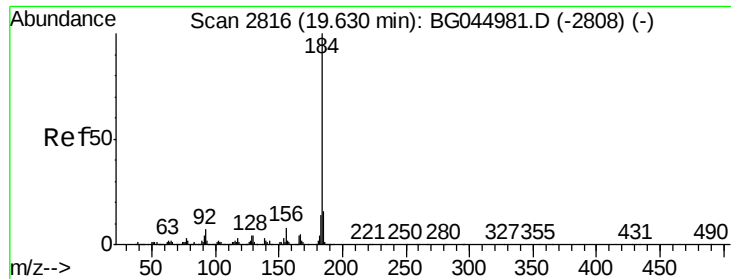
Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Tgt Ion:	240	Resp:	459823
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.6	10.0
236	25.9	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

Instrument :

BNA_G

ClientSampleId :

MH-4-POST-DIRT-BAG

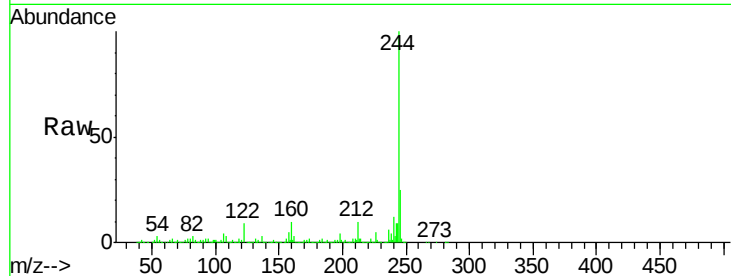
Tot Ion:184 Resp: 42673

Ion Ratio Lower Upper

184 100

185 17.7 12.6 19.0

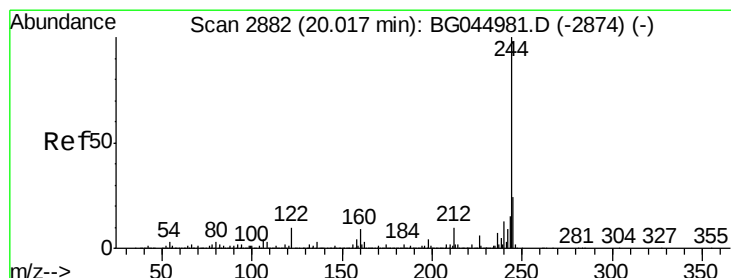
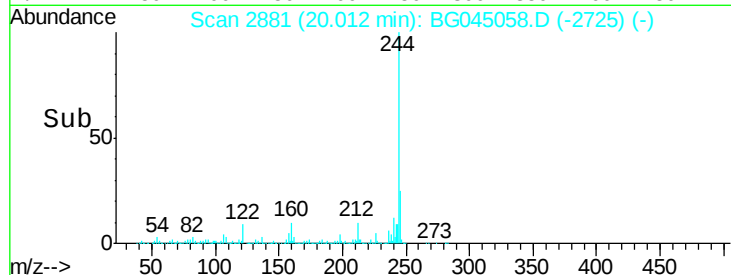
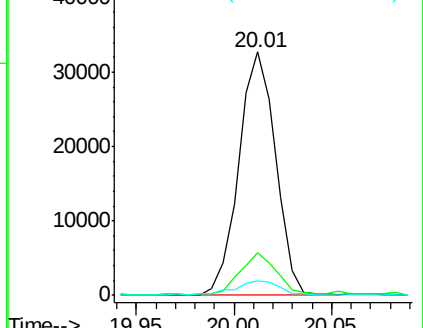
183 6.1 11.3 16.9#



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: 99.143 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045058.D

Acq: 18 Apr 2020 9:05

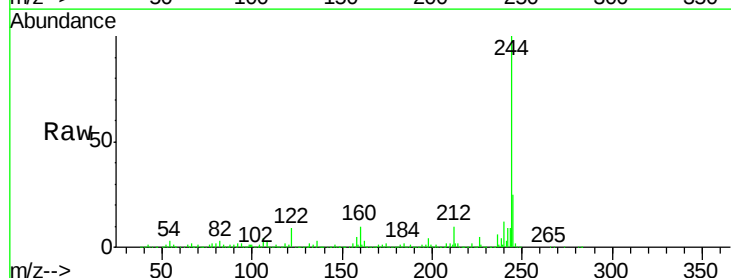
Tgt Ion:244 Resp: 2091614

Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

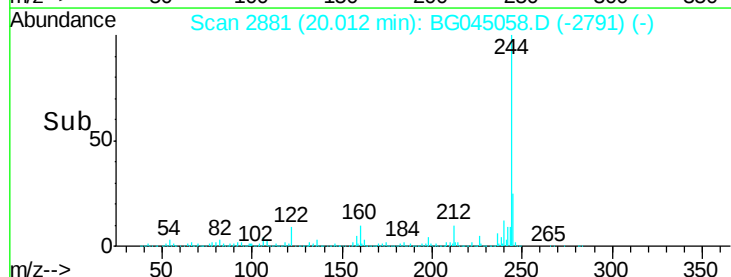
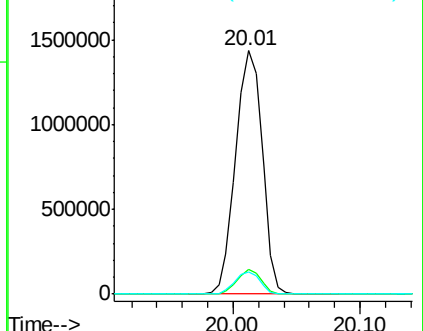
122 9.2 7.7 11.5

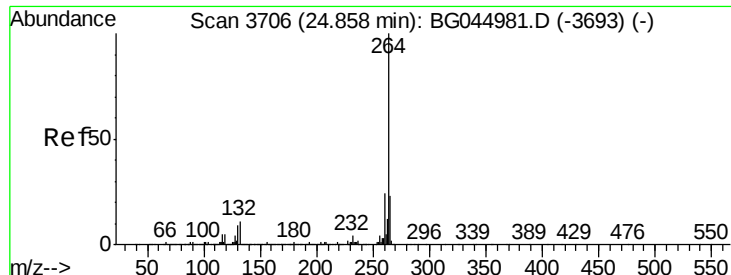


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3705
Delta R.T. -0.00 min
Lab File: BG045058.D
Acq: 18 Apr 2020 9:05

Instrument :
BNA_G
ClientSampleId :
MH-4-POST-DIRT-BAG

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.3	19.0	28.4

