

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043321.D
 Acq On : 23 Oct 2019 23:10
 Operator : JU
 Sample : K5495-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE

Quant Time: Oct 24 06:53:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

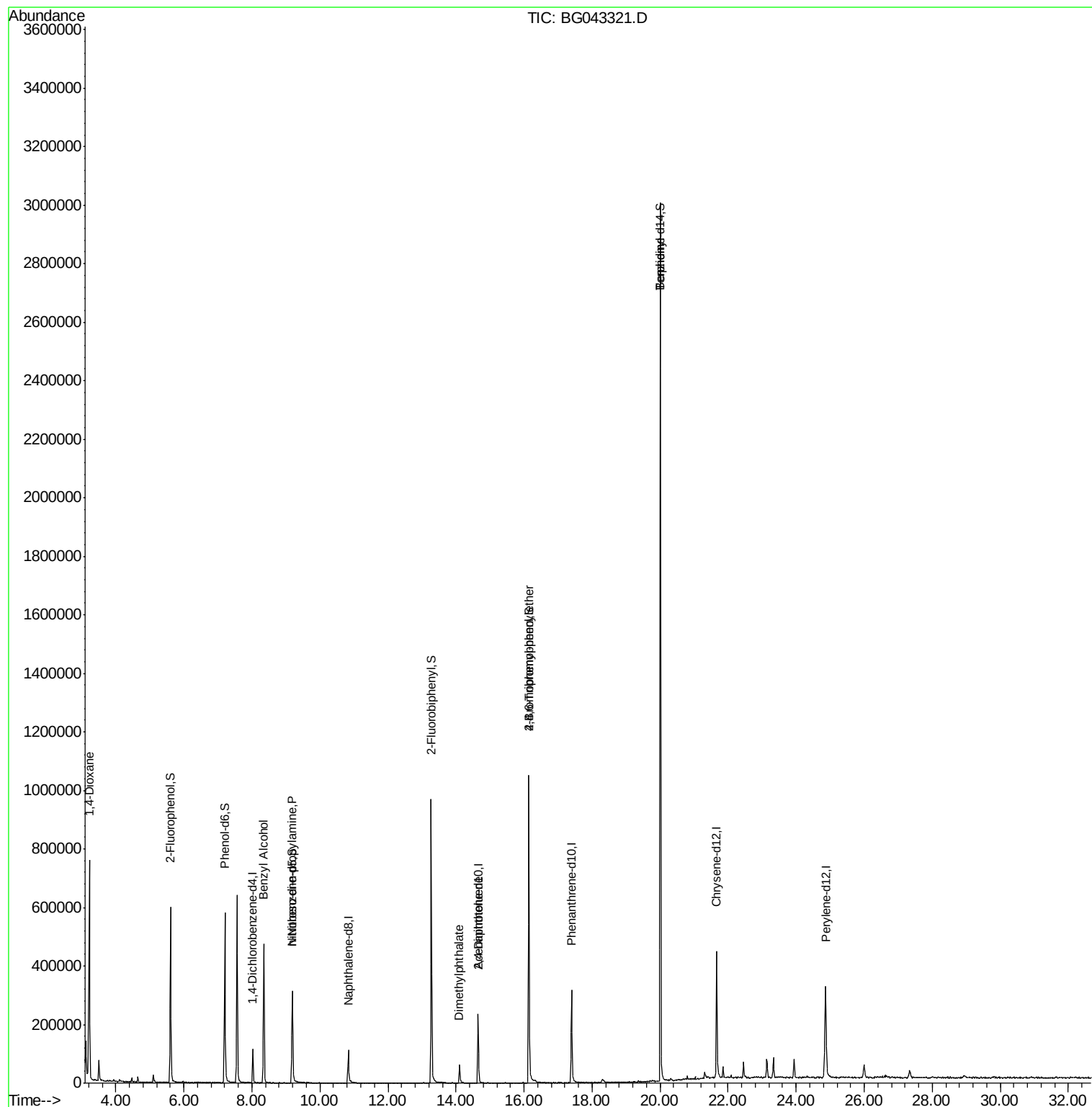
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	34449	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	115099	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	94853	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	243341	20.00	ng	0.00
76) Chrysene-d12	21.66	240	308001	20.00	ng	0.00
87) Perylene-d12	24.86	264	345220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	275866	146.74	ng	0.00
7) Phenol-d6	7.20	99	359937	133.07	ng	0.00
23) Nitrobenzene-d5	9.19	82	228183	102.21	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	263345	145.89	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	603601	87.93	ng	0.00
79) Terphenyl-d14	20.01	244	1570667	95.67	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	8507	11.612	ng	# 1
15) Benzyl Alcohol	8.35	79	4007	2.109	ng	# 54
19) n-Nitroso-di-n-propylamine	9.18	70	31416	17.975	ng	# 77
50) Dimethylphthalate	14.10	163	55844	7.601	ng	# 94
57) 2,4-Dinitrotoluene	14.65	165	11926	5.228	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	17254	5.269	ng	# 1
77) Benzidine	20.01	184	25156	4.058	ng	# 80

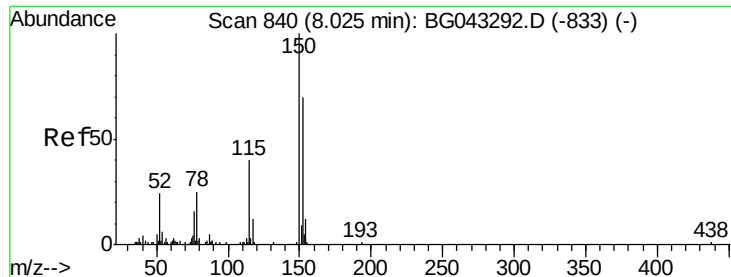
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 16:37:43 2019
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: BG043321.D

Acq: 23 Oct 2019 23:10

Instrument :

BNA_G

ClientSampleId :

WASTE

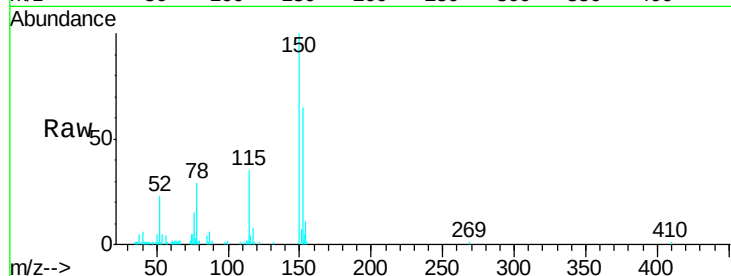
Tgt Ion:152 Resp: 34449

Ion Ratio Lower Upper

152 100

150 152.9 113.6 170.4

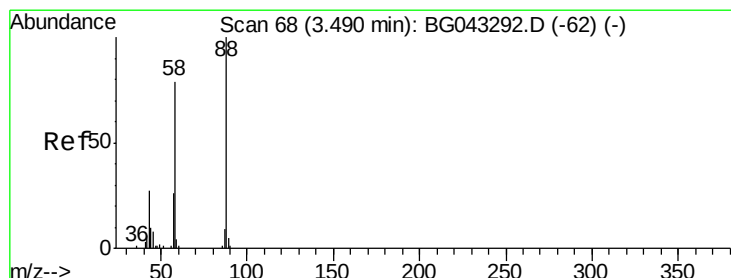
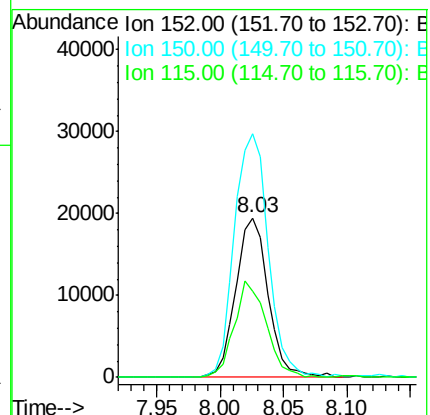
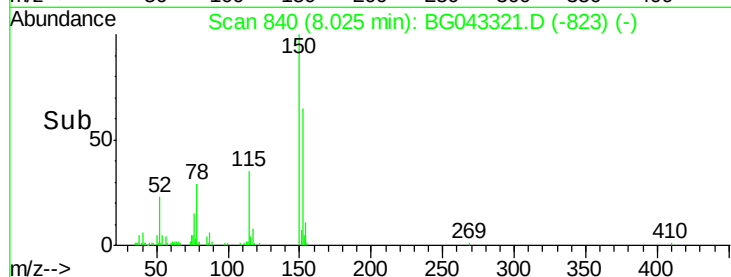
115 54.0 45.9 68.9



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: 11.612 ng

RT: 3.22 min Scan# 22

Delta R.T. -0.27 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

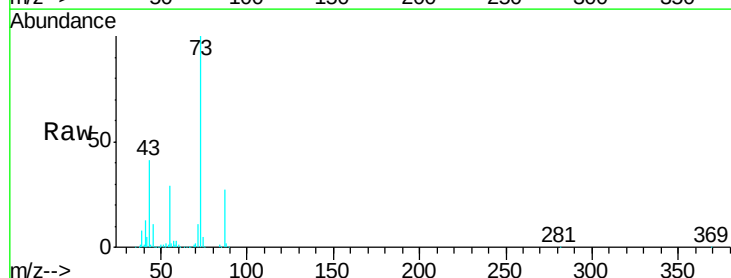
Tgt Ion: 88 Resp: 8507

Ion Ratio Lower Upper

88 100

58 43.9 60.2 90.2#

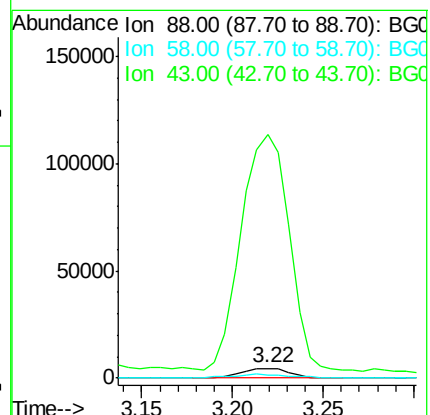
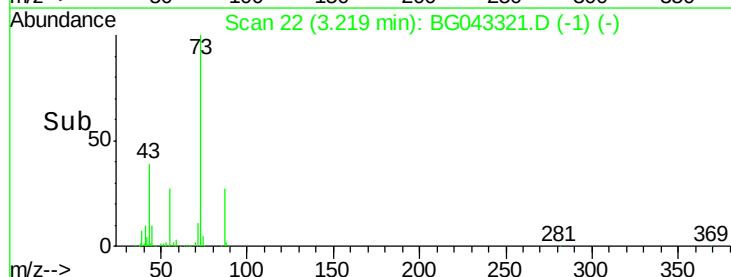
43 2377.9 22.7 34.1#

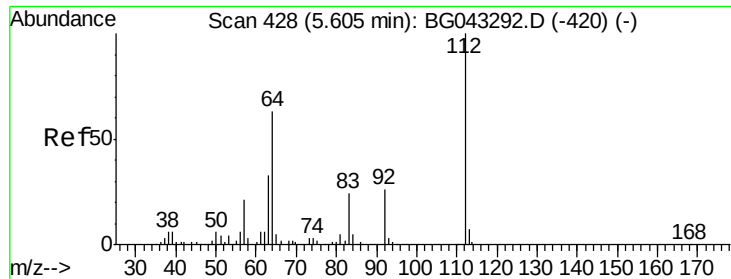


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 146.742 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

Instrument :

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ClientSampleId :

WASTE

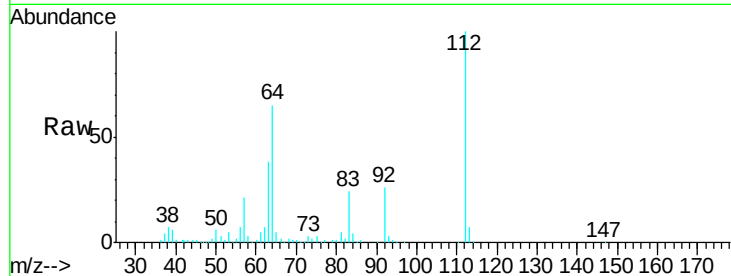
Tgt Ion: 112 Resp: 275866

Ion Ratio Lower Upper

112 100

64 64.5 50.2 75.2

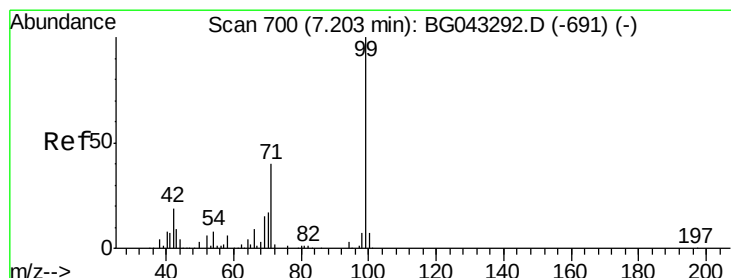
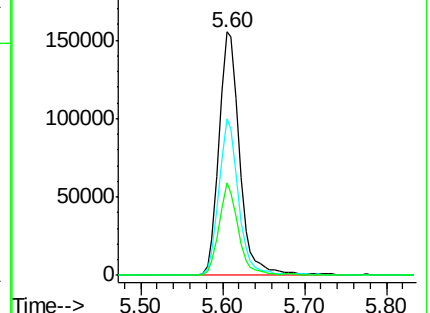
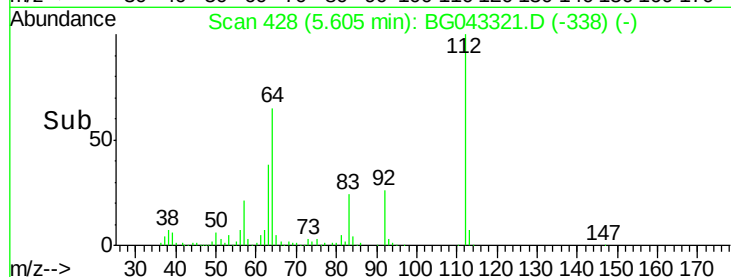
63 38.0 26.7 40.1



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: 133.074 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

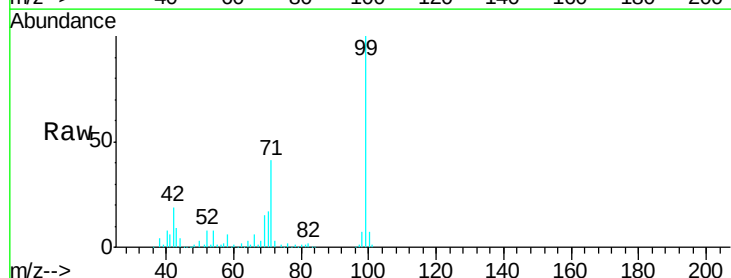
Tgt Ion: 99 Resp: 359937

Ion Ratio Lower Upper

99 100

42 19.0 14.9 22.3

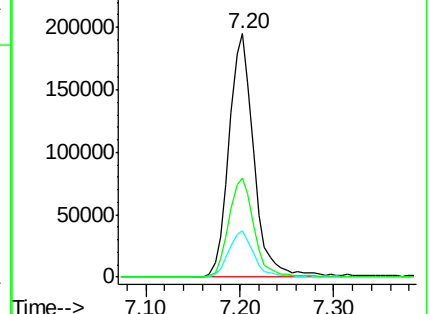
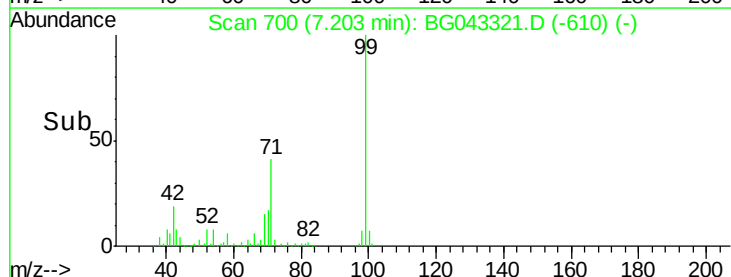
71 40.6 32.2 48.2

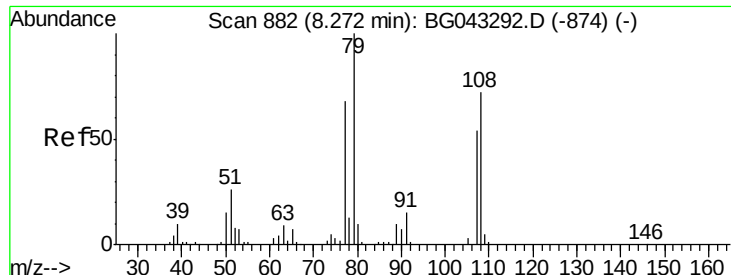


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

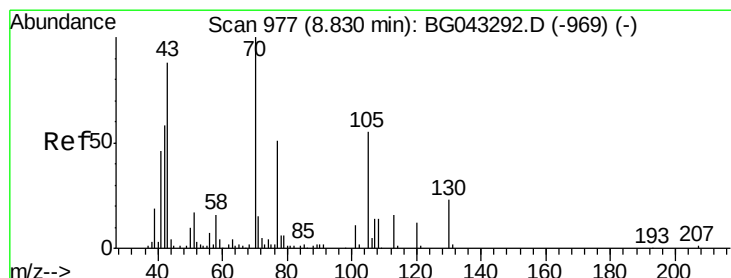
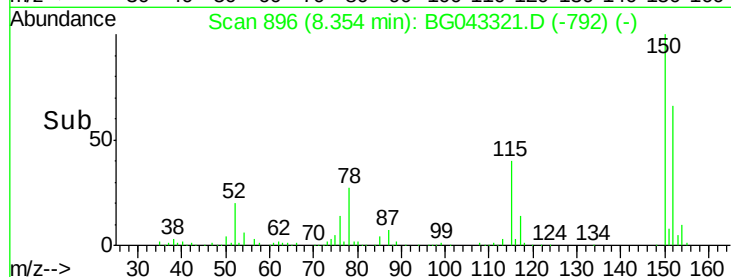
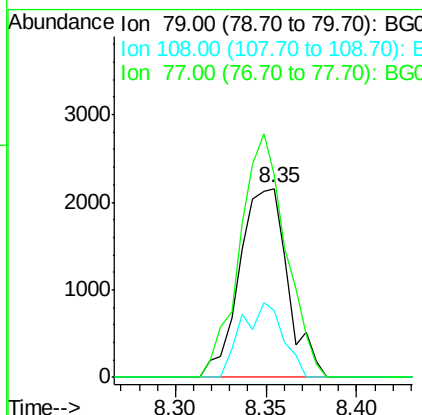
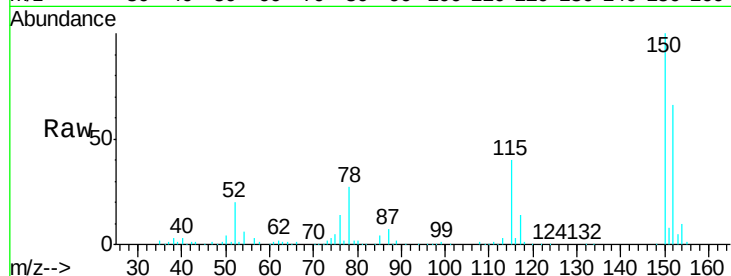




#15
Benzyl Alcohol
Concen: 2.109 ng
RT: 8.35 min Scan# 896
Delta R.T. 0.08 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

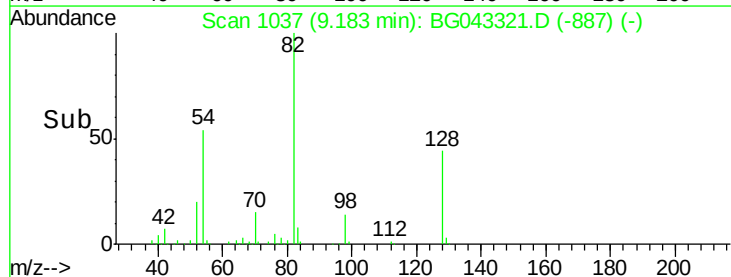
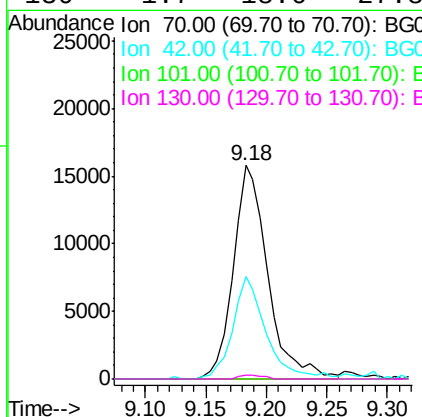
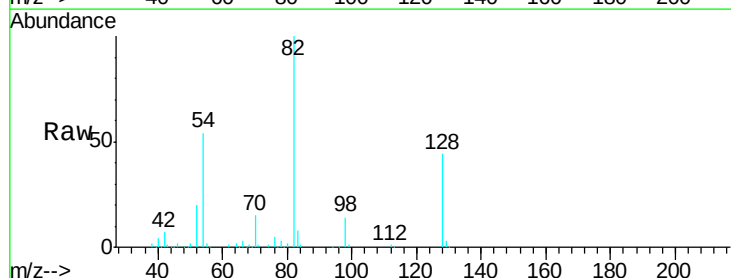
Instrument :
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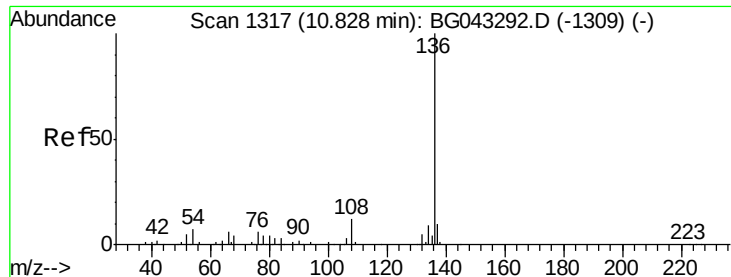
Tgt Ion: 79 Resp: 4007
Ion Ratio Lower Upper
79 100
108 35.8 57.3 85.9#
77 107.5 54.6 81.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.975 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Tgt Ion: 70 Resp: 31416
Ion Ratio Lower Upper
70 100
42 48.2 46.2 69.2
101 0.0 8.6 13.0#
130 1.7 18.6 27.8#

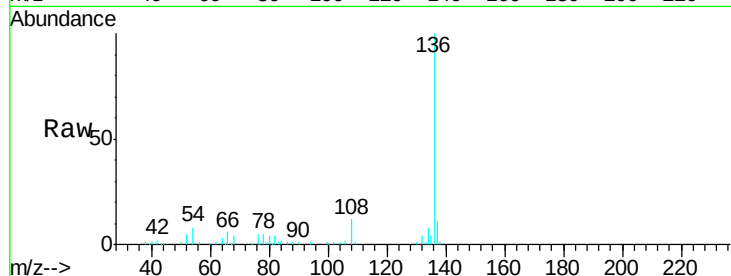




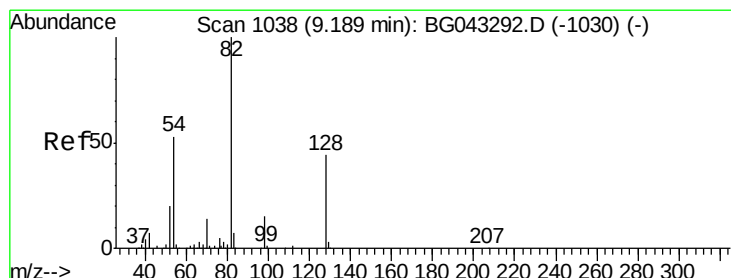
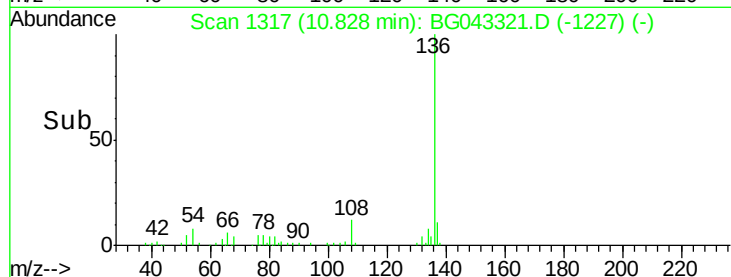
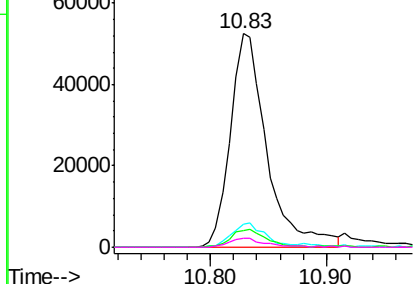
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Instrument :
BNA_G
ClientSampleId :
WASTE

Tgt Ion:	136	Resp:	115099
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	7.8	5.4	8.2
68	4.4	3.3	4.9

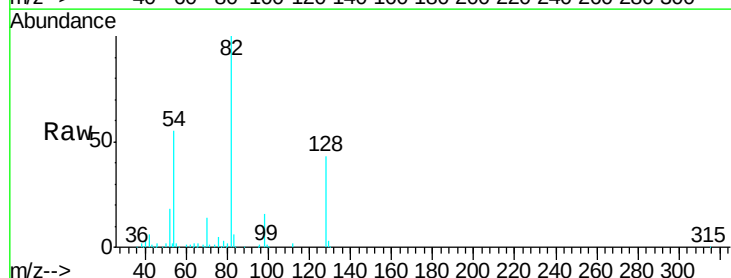


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

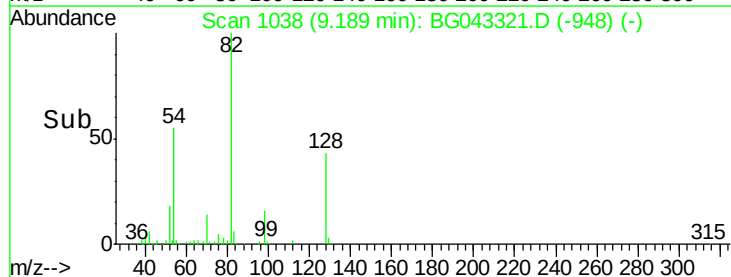
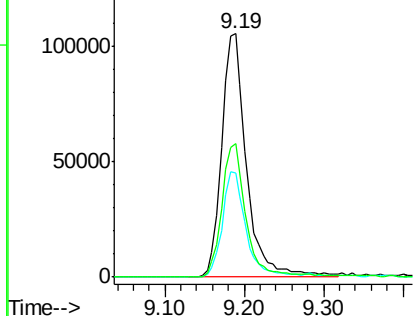


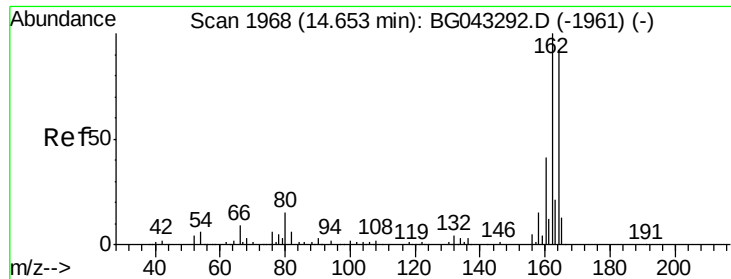
#23
Nitrobenzene-d5
Concen: 102.206 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Tgt Ion:	82	Resp:	228183
Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.3	52.9
54	54.7	42.3	63.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

Instrument :

BNA_G

ClientSampleId :

WASTE

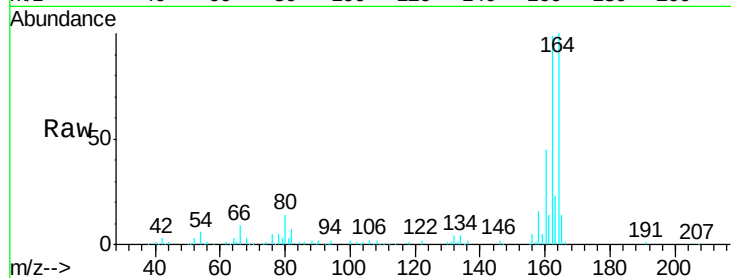
Tgt Ion:164 Resp: 94853

Ion Ratio Lower Upper

164 100

162 99.4 87.0 130.4

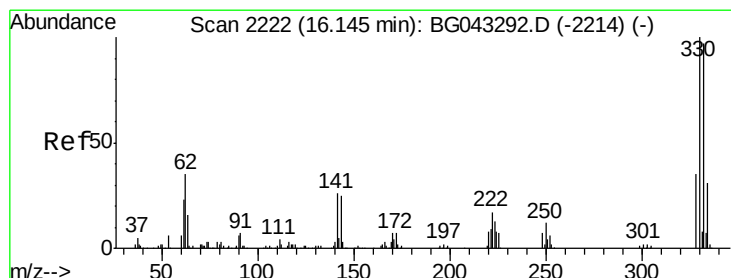
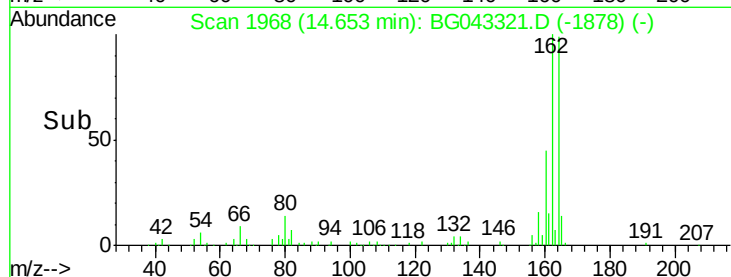
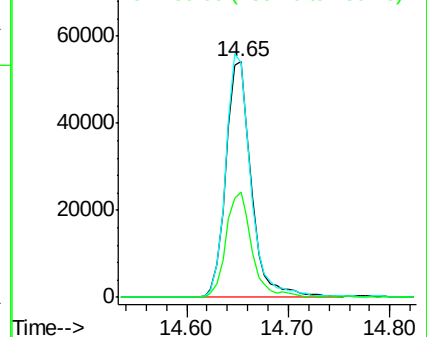
160 44.6 35.5 53.3



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: 145.893 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

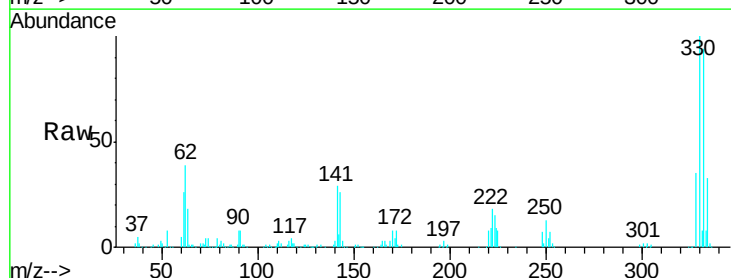
Tgt Ion:330 Resp: 263345

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

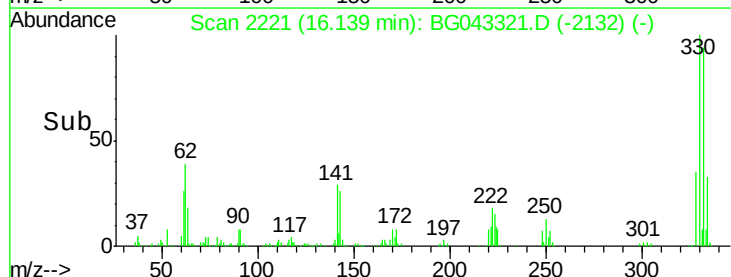
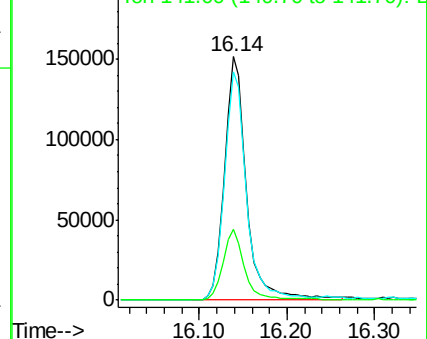
141 27.9 21.4 32.0

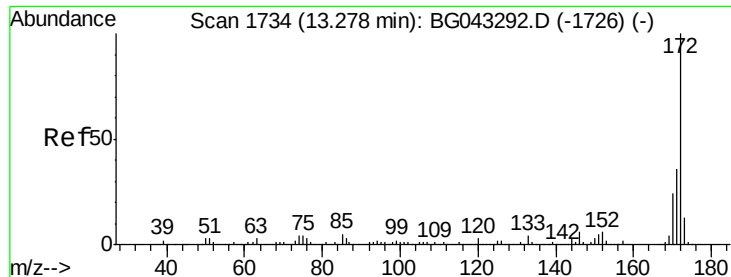


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

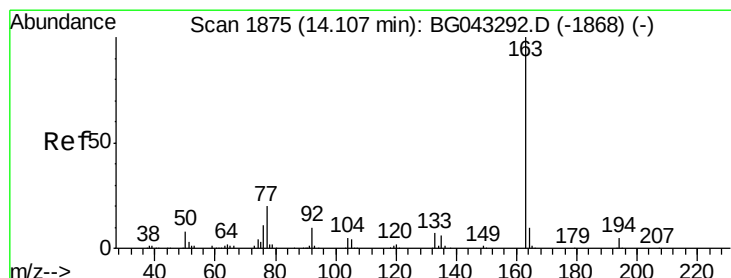
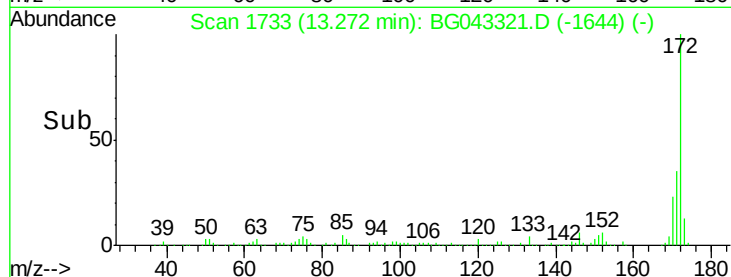
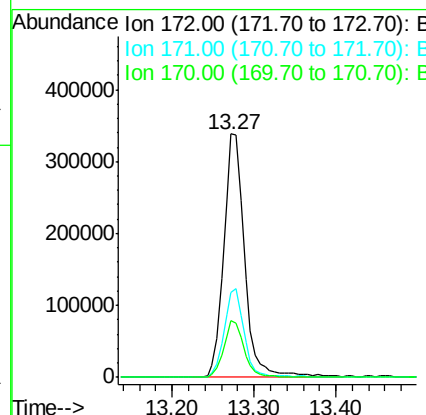
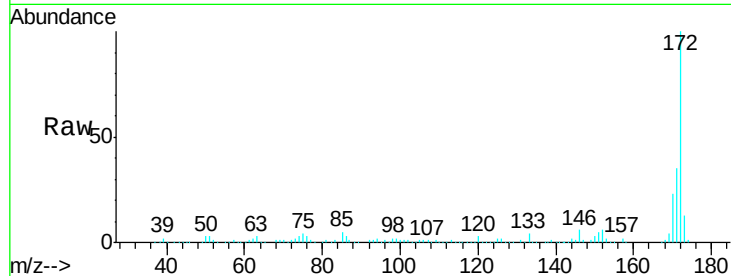




#45
2-Fluorobiphenyl
Concen: 87.932 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

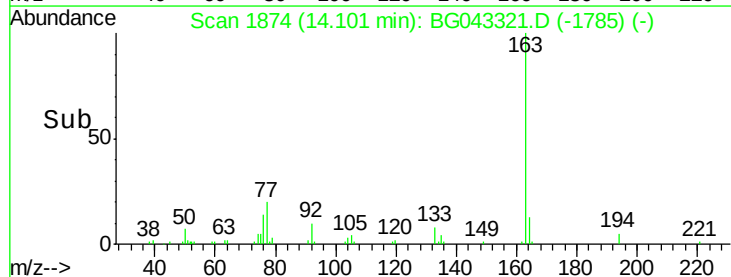
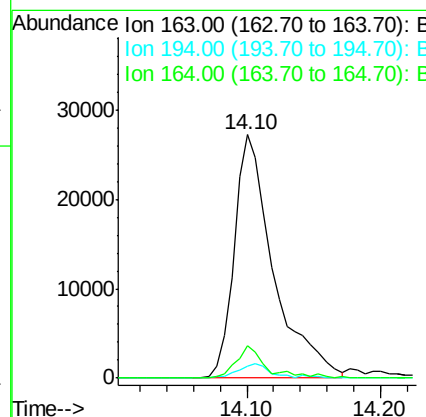
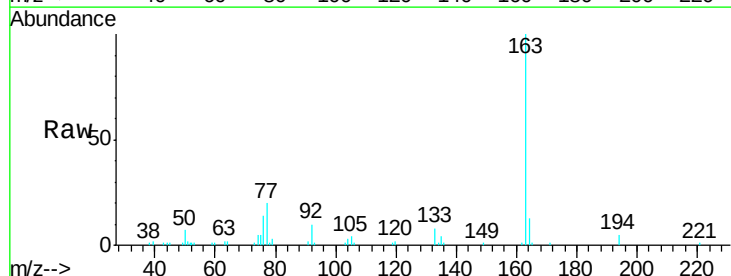
Instrument :
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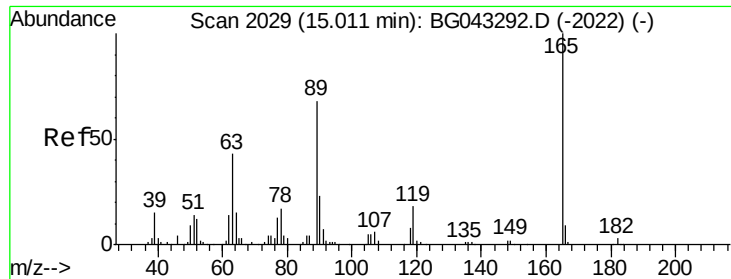
Tgt Ion:172 Resp: 603601
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.5 18.8 28.2



#50
Dimethylphthalate
Concen: 7.601 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Tgt Ion:163 Resp: 55844
Ion Ratio Lower Upper
163 100
194 4.7 3.7 5.5
164 13.4 8.1 12.1#

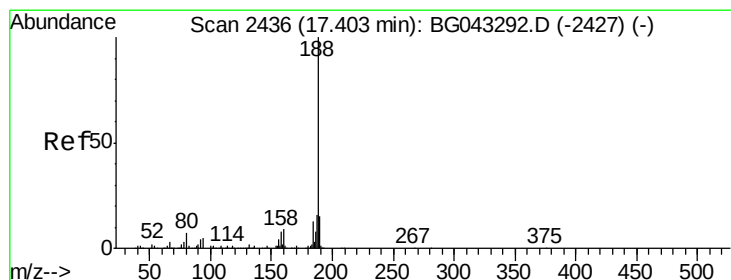
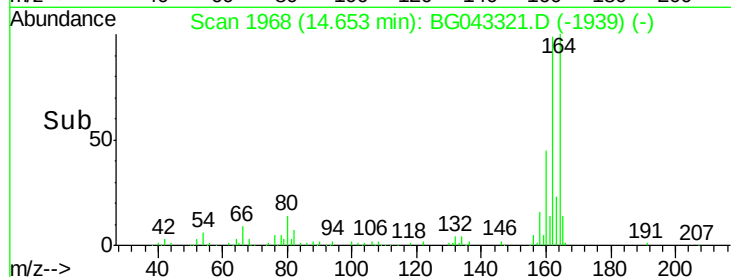
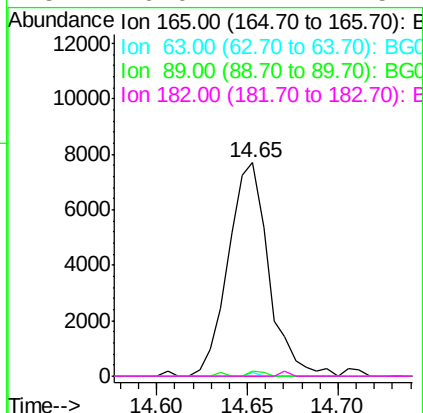
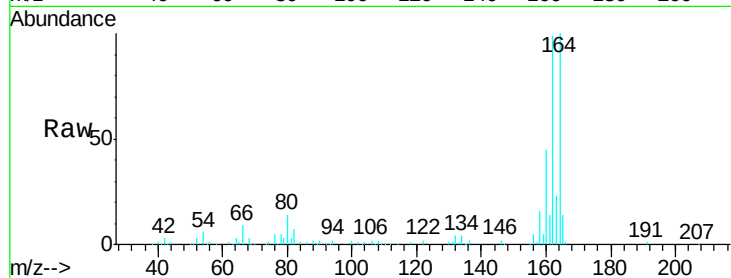




#57
 2,4-Dinitrotoluene
 Concen: 5.228 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043321.D
 Acq: 23 Oct 2019 23:10

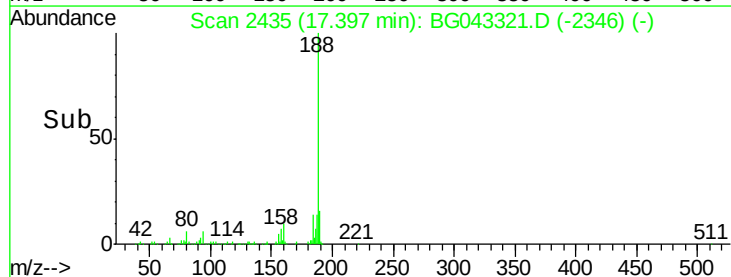
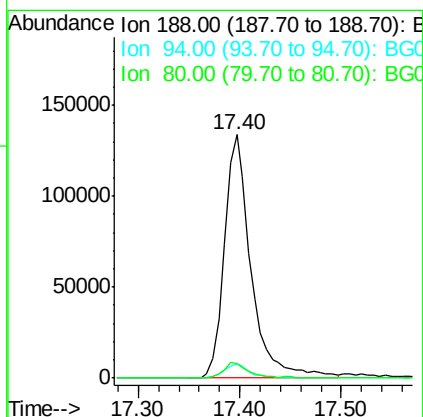
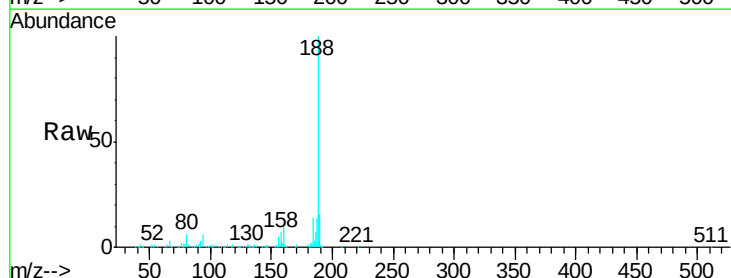
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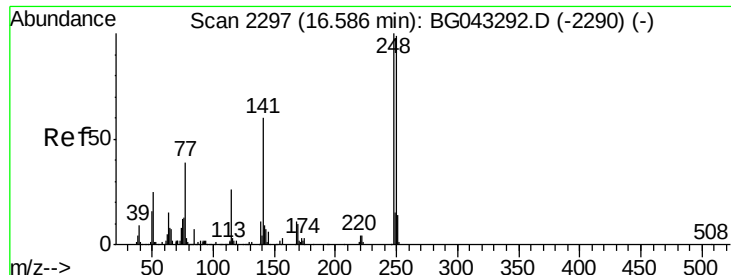
Tgt Ion:165 Resp: 11926
 Ion Ratio Lower Upper
 165 100
 63 2.0 35.0 52.6#
 89 2.6 54.1 81.1#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043321.D
 Acq: 23 Oct 2019 23:10

Tgt Ion:188 Resp: 243341
 Ion Ratio Lower Upper
 188 100
 94 6.2 4.2 6.2
 80 6.1 5.2 7.8

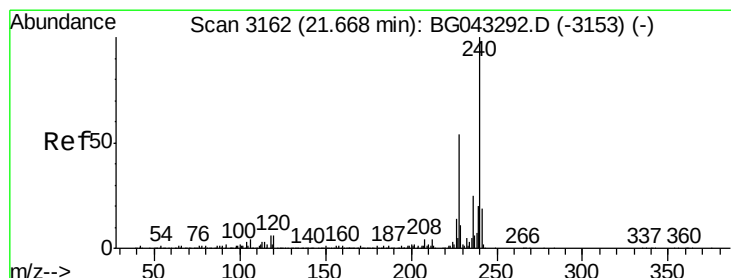
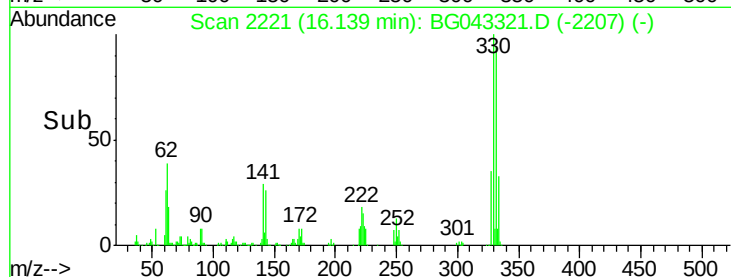
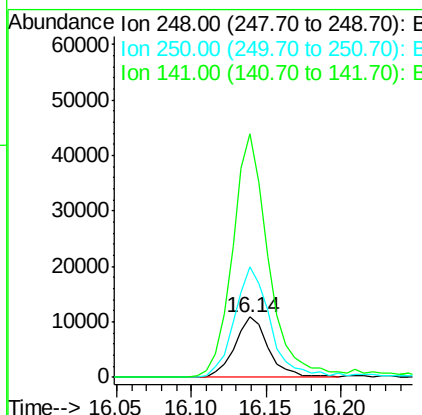
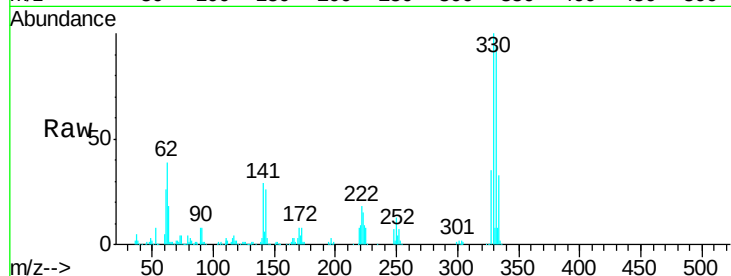




#67
4-Bromophenyl-phenylether
Concen: 5.269 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

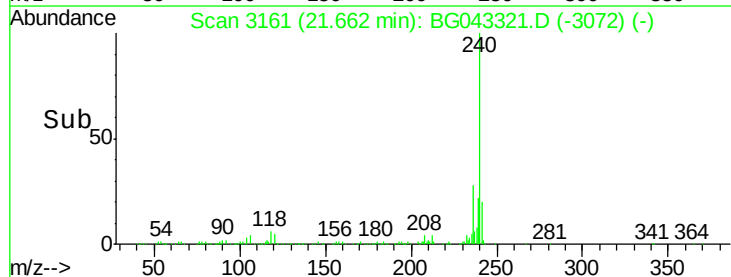
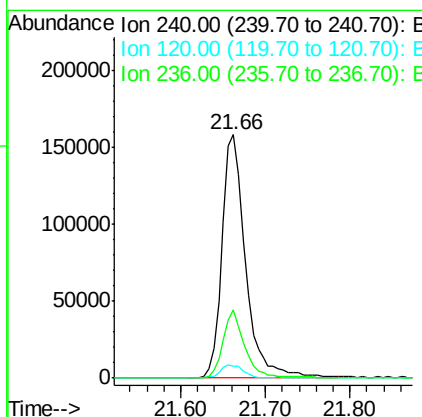
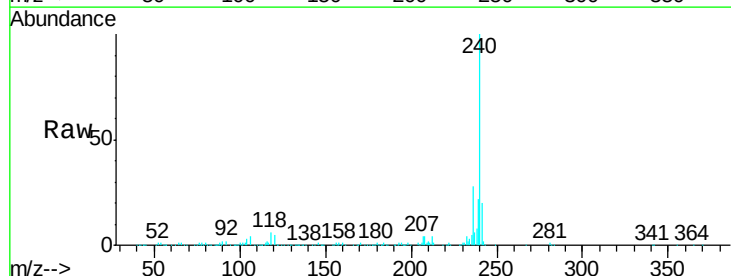
Instrument :
BNA_G
ClientSampleId :
WASTE

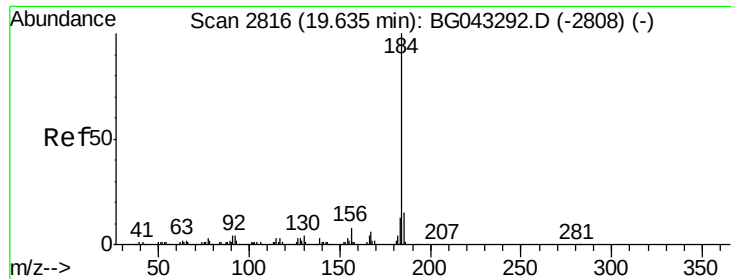
Tgt Ion:248 Resp: 17254
Ion Ratio Lower Upper
248 100
250 184.5 79.3 118.9#
141 405.3 47.9 71.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Tgt Ion:240 Resp: 308001
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 27.9 20.2 30.4





#77

Benzidine

Concen: 4.058 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

Instrument :

BNA_G

ClientSampleId :

WASTE

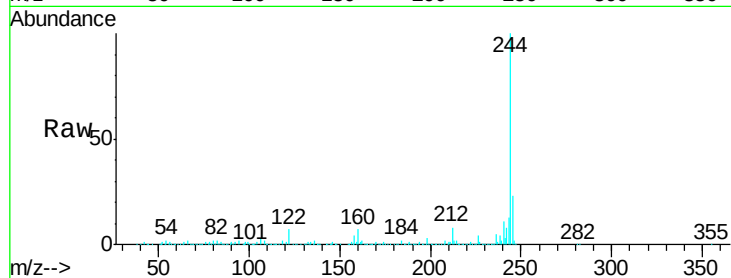
Tgt Ion:184 Resp: 25156

Ion Ratio Lower Upper

184 100

185 18.3 11.8 17.6#

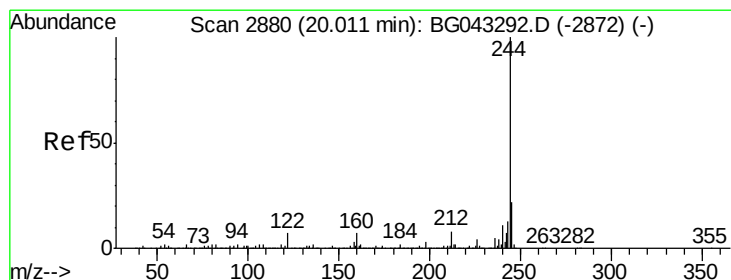
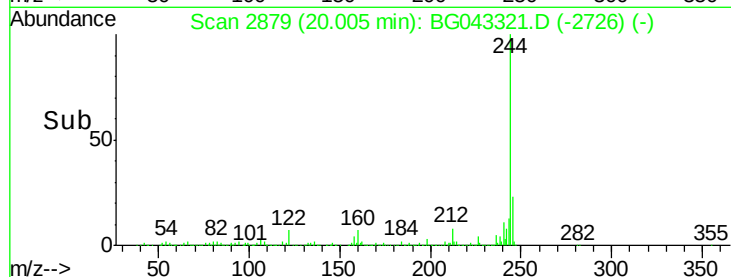
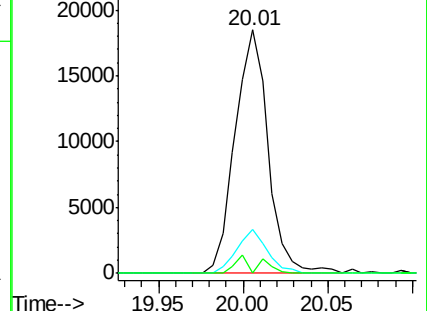
183 0.0 10.6 16.0#



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: 95.670 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043321.D

Acq: 23 Oct 2019 23:10

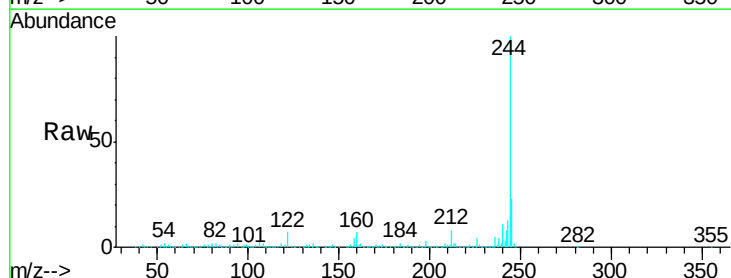
Tgt Ion:244 Resp: 1570667

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

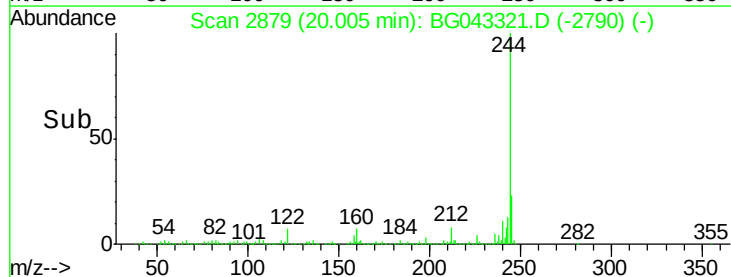
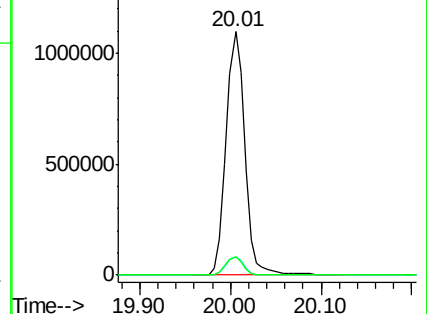
122 7.4 5.3 7.9

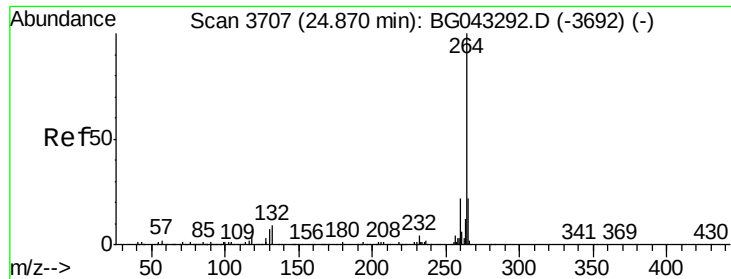


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

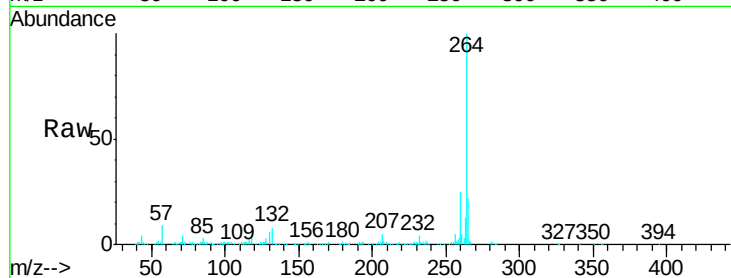




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043321.D
Acq: 23 Oct 2019 23:10

Instrument :
BNA_G
ClientSampleId :
WASTE

Tgt Ion:	264	Resp:	345220
Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.9	26.9
265	21.8	17.4	26.2



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

