

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110719\
 Data File : BG043559.D
 Acq On : 8 Nov 2019 4:32
 Operator : JU
 Sample : PB124608TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124608TB

Quant Time: Nov 08 05:46:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	34915	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	122723	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	88005	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	222045	20.00	ng	0.00
76) Chrysene-d12	21.65	240	212167	20.00	ng	0.00
87) Perylene-d12	24.85	264	245141	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	254912	133.79	ng	0.02
7) Phenol-d6	7.21	99	327252	119.37	ng	0.02
23) Nitrobenzene-d5	9.17	82	215206	90.41	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	221481	132.25	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	560517	88.01	ng	0.00
79) Terphenyl-d14	19.99	244	1118474	98.90	ng	0.00

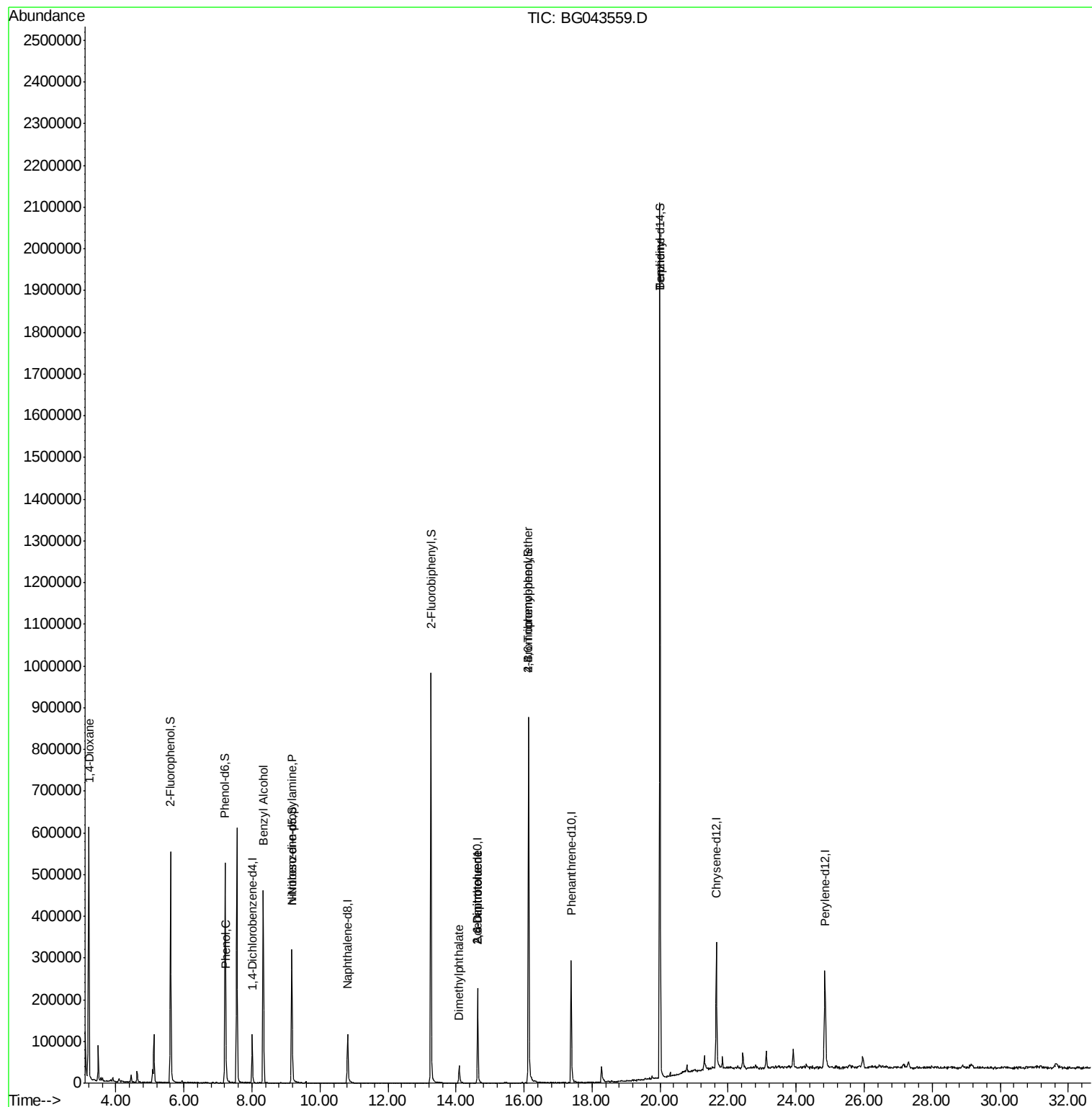
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	7261	9.779	ng	# 1
10) Phenol	7.24	94	8636	3.447	ng	# 92
15) Benzyl Alcohol	8.33	79	4047	2.102	ng	# 63
19) n-Nitroso-di-n-propylamine	9.17	70	30792	17.383	ng	# 79
50) Dimethylphthalate	14.09	163	38638	5.668	ng	# 93
51) 2,6-Dinitrotoluene	14.63	165	11441	7.726	ng	# 25
57) 2,4-Dinitrotoluene	14.63	165	11442	5.406	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	14704	4.921	ng	# 1
77) Benzidine	19.99	184	16105	3.772	ng	# 81

(#) = 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: BG043559.D

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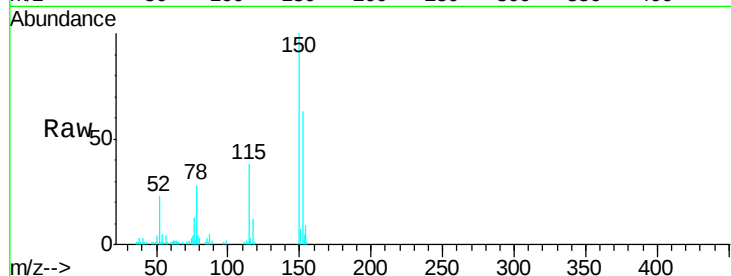
Tgt Ion:152 Resp: 34915

Ion Ratio Lower Upper

152 100

150 158.1 129.4 194.0

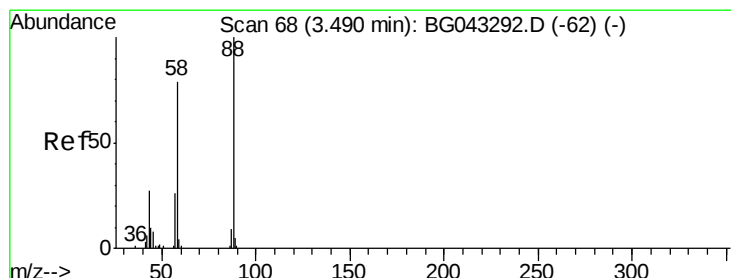
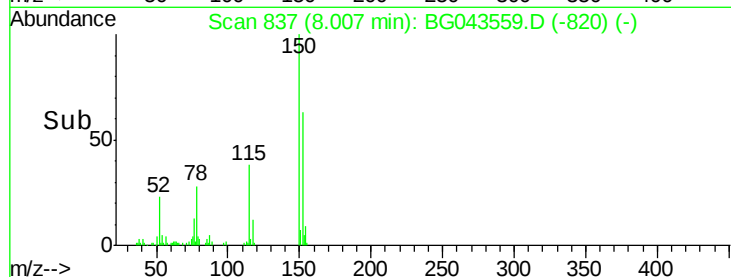
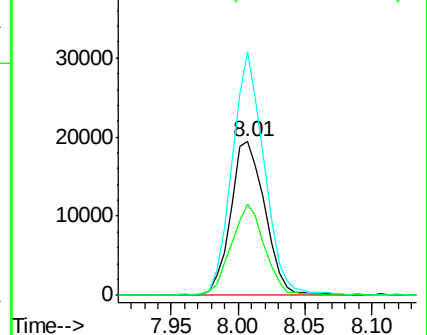
115 59.4 48.8 73.2



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: 9.779 ng

RT: 3.20 min Scan# 19

Delta R.T. -0.27 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

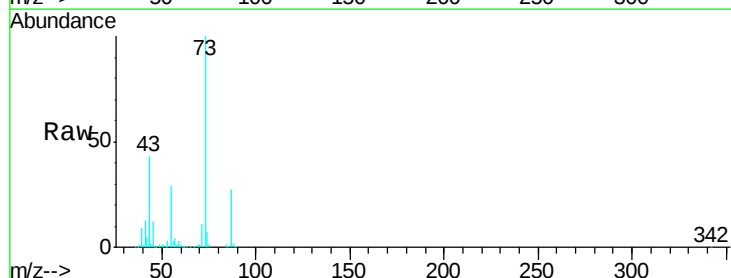
Tgt Ion: 88 Resp: 7261

Ion Ratio Lower Upper

88 100

58 49.7 62.7 94.1#

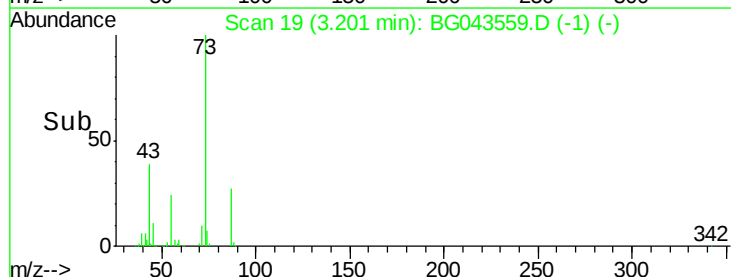
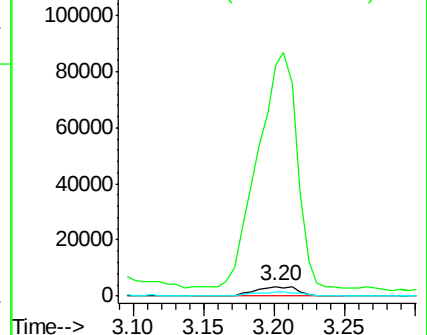
43 2272.9 23.7 35.5#

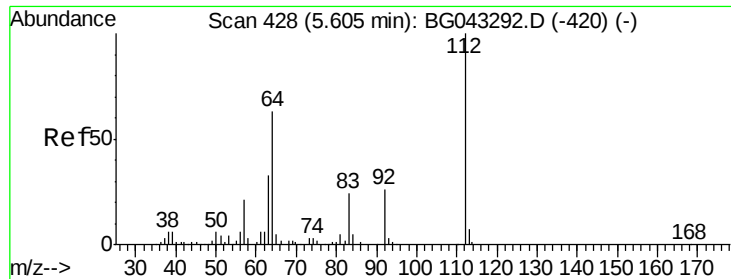


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.786 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.02 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

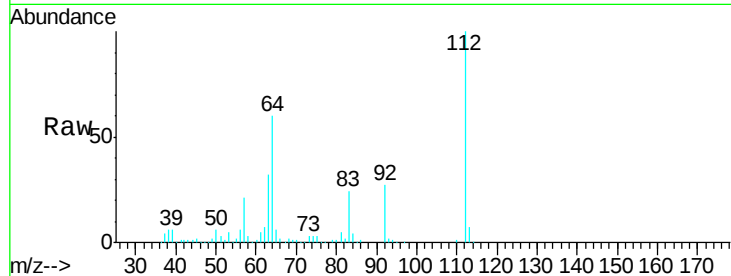
Instrument :

BNA_G

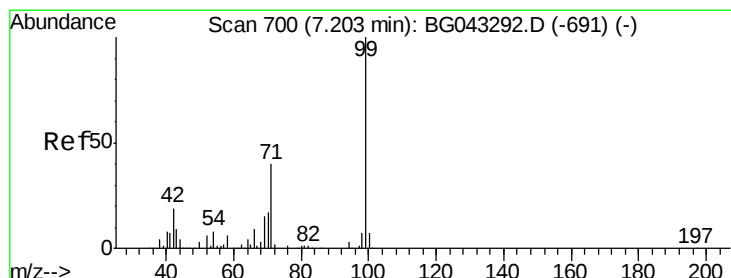
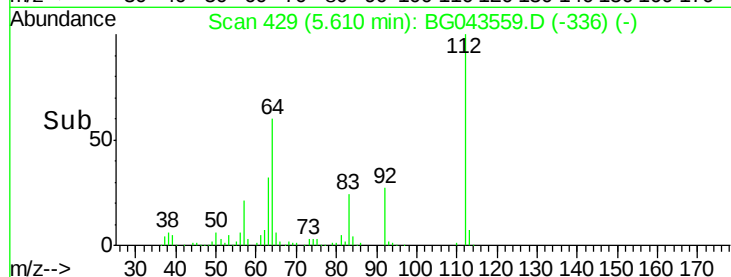
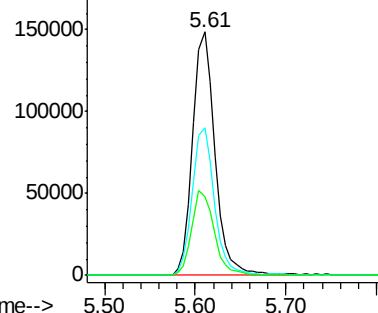
ClientSampleId :

PB124608TB

Tgt Ion:	112	Resp:	254912
Ion	Ratio	Lower	Upper
112	100		
64	60.4	50.0	75.0
63	32.4	26.6	40.0



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: 119.375 ng

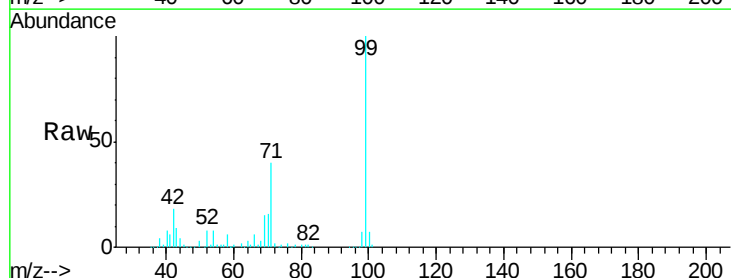
RT: 7.21 min Scan# 702

Delta R.T. 0.02 min

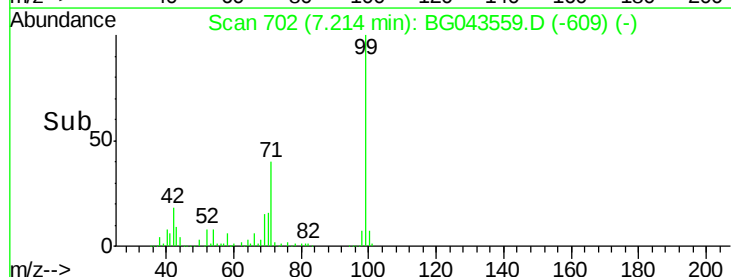
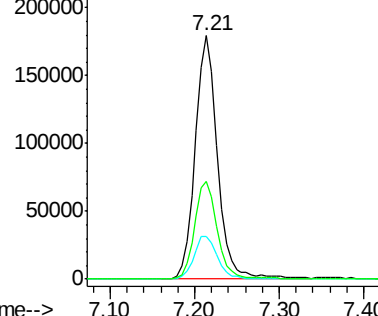
Lab File: BG043559.D

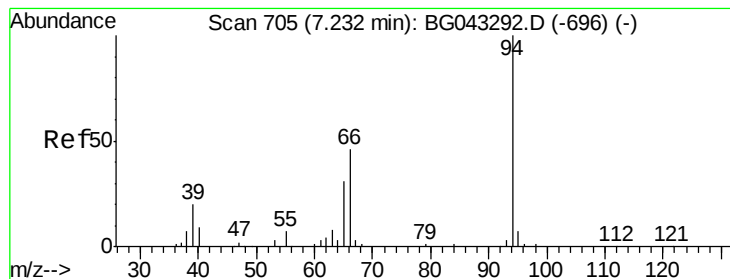
Acq: 8 Nov 2019 4:32

Tgt Ion:	99	Resp:	327252
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	21.8
71	39.9	32.5	48.7



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





#10

Phenol

Concen: 3.447 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.02 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

Instrument :

BNA_G

ClientSampleId :

PB124608TB

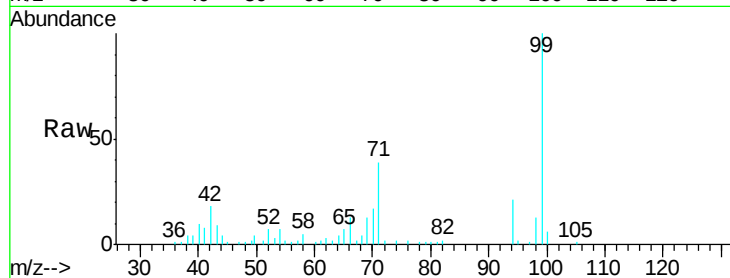
Tgt Ion: 94 Resp: 8636

Ion Ratio Lower Upper

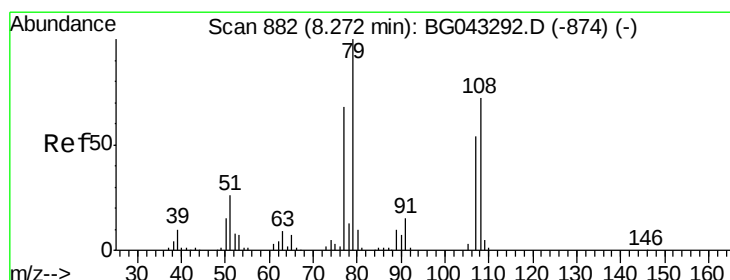
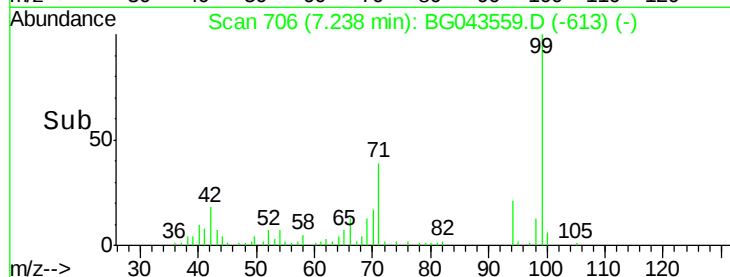
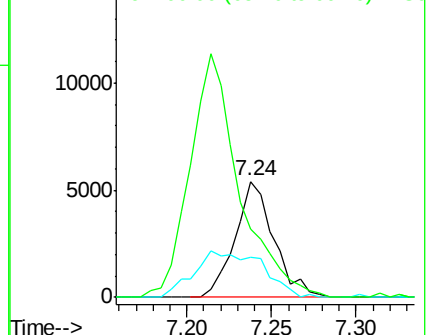
94 100

65 34.2 12.6 52.6

66 58.8 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.102 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.08 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

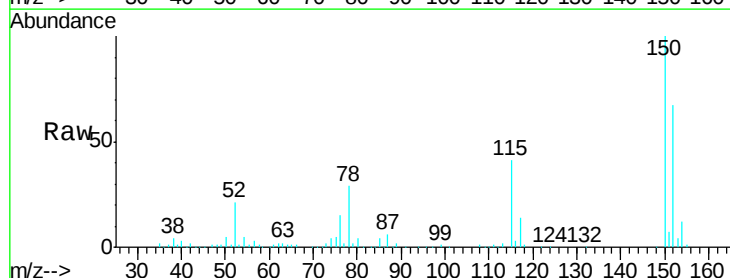
Tgt Ion: 79 Resp: 4047

Ion Ratio Lower Upper

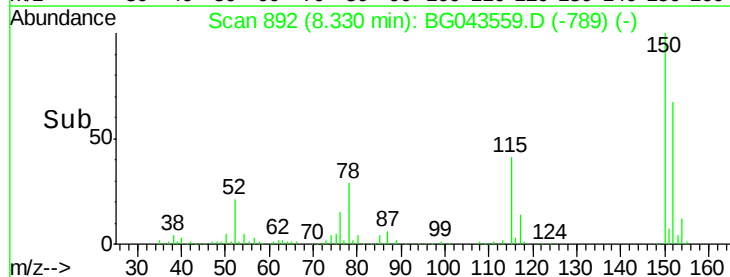
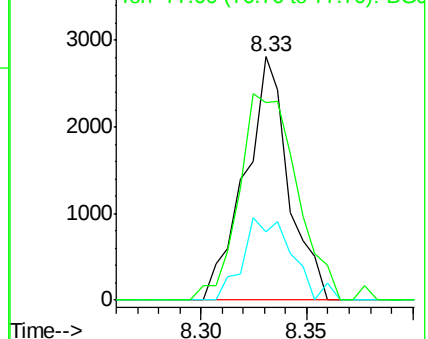
79 100

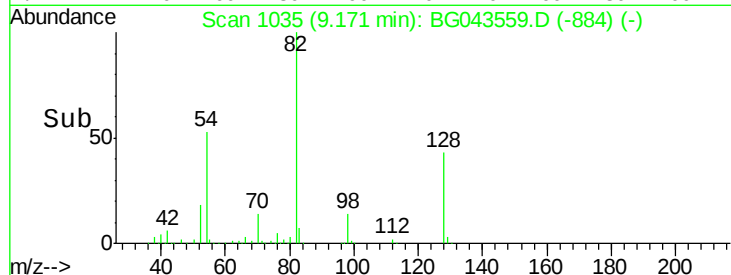
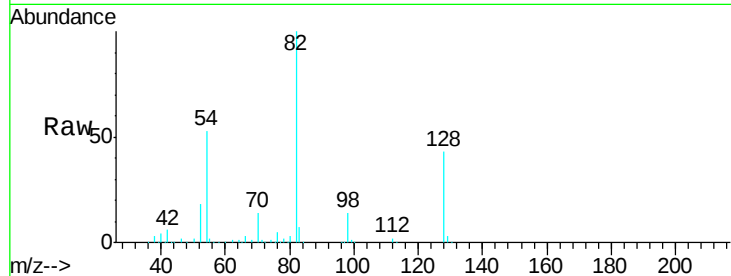
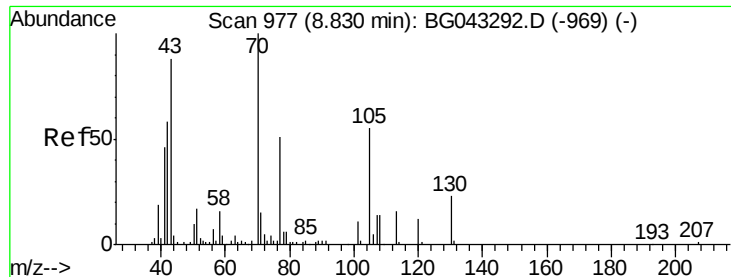
108 27.8 53.6 80.4#

77 81.0 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

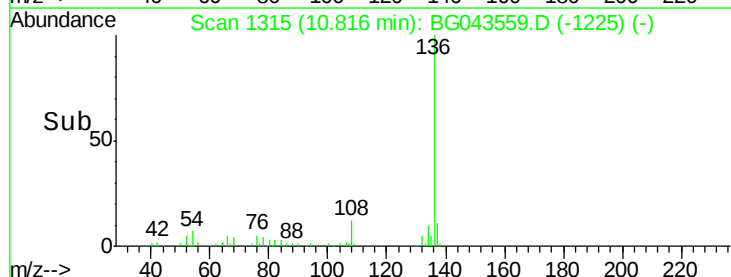
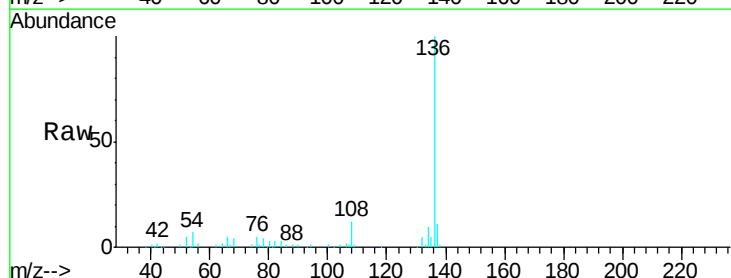
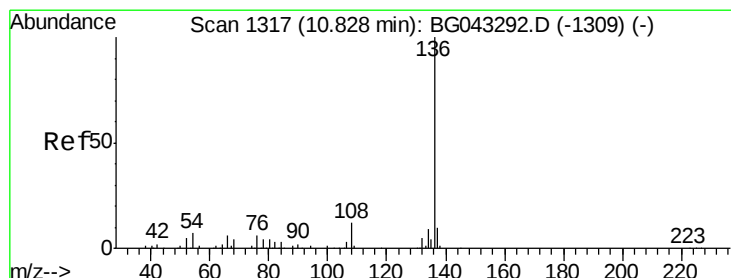
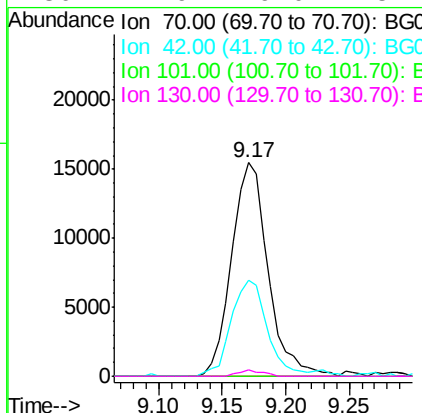




#19
n-Nitroso-di-n-propylamine
Concen: 17.383 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

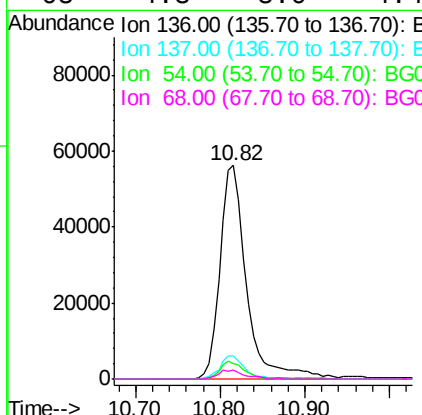
Instrument :
BNA_G
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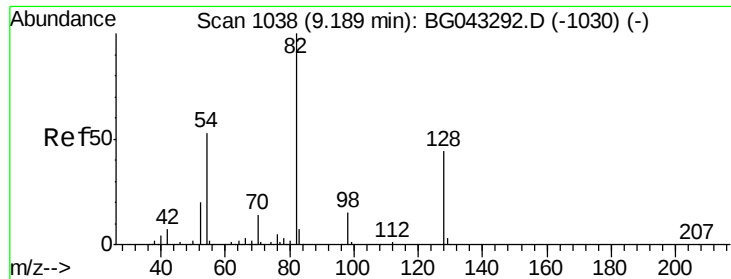
Tgt Ion: 70 Resp: 30792
Ion Ratio Lower Upper
70 100
42 45.2 41.4 62.2
101 0.0 7.9 11.9#
130 2.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Tgt Ion: 136 Resp: 122723
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.0 5.4 8.2
68 4.3 3.0 4.4

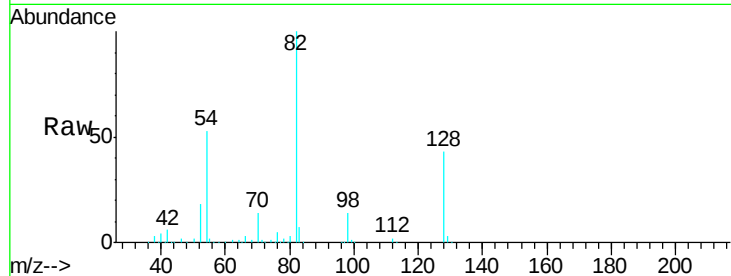




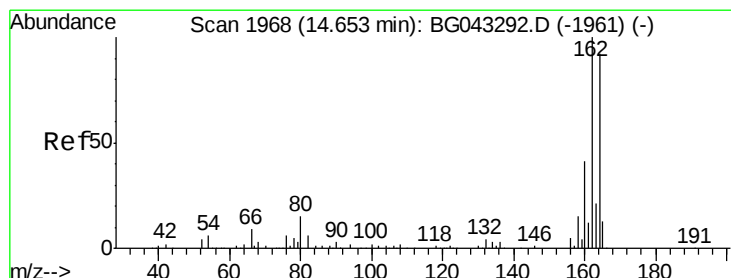
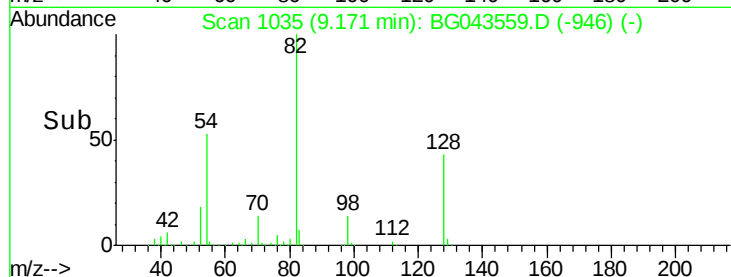
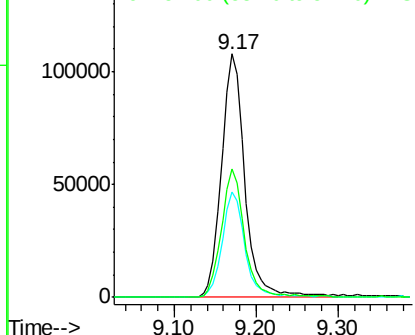
#23
 Nitrobenzene-d5
 Concen: 90.406 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

Instrument :
 BNA_G
 ClientSampleId :
 PB124608TB

Tgt Ion: 82 Resp: 215206
 Ion Ratio Lower Upper
 82 100
 128 43.5 35.0 52.6
 54 52.6 40.2 60.2

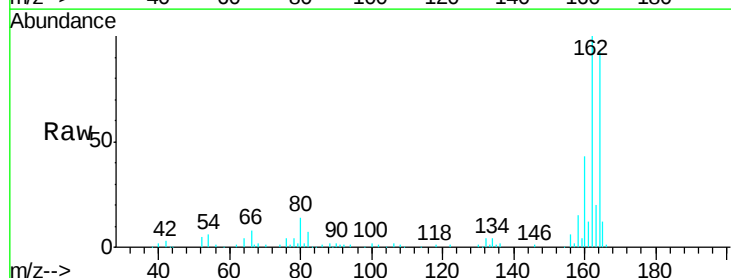


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

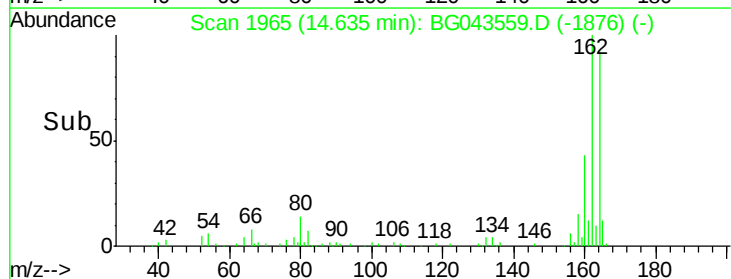
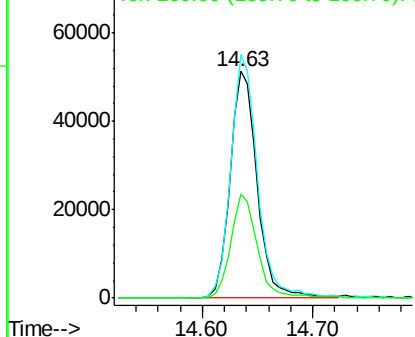


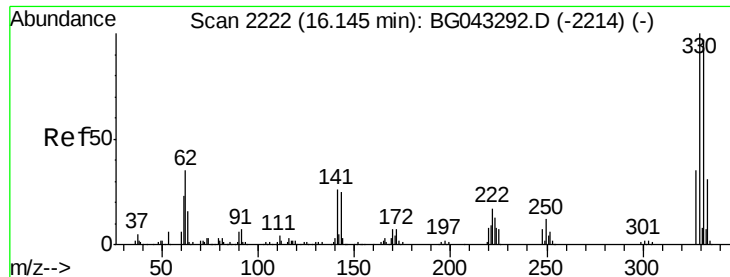
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

Tgt Ion: 164 Resp: 88005
 Ion Ratio Lower Upper
 164 100
 162 107.5 83.5 125.3
 160 46.0 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

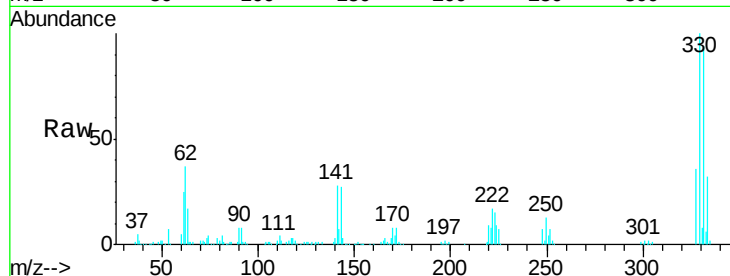




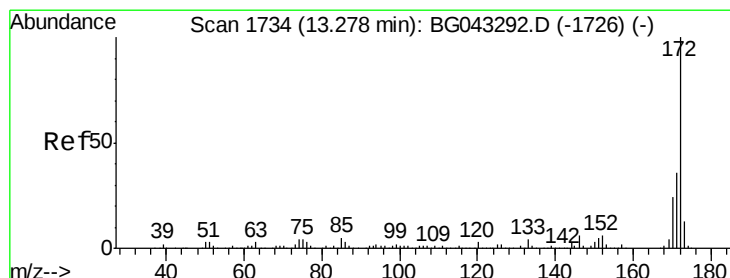
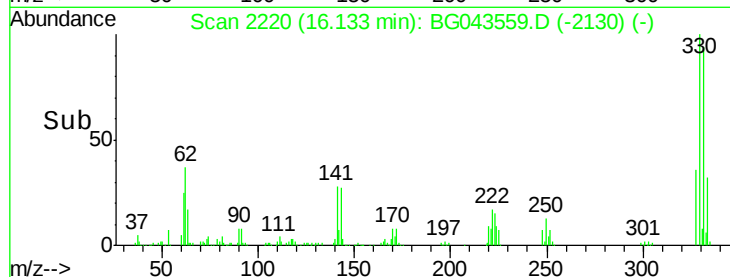
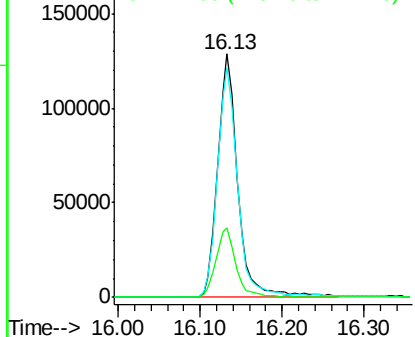
#42
 2,4,6-Tribromophenol
 Concen: 132.248 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

Instrument :
 BNA_G
 ClientSampleId :
 PB124608TB

Tgt Ion:330 Resp: 221481
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.4 116.0
 141 28.4 22.8 34.2

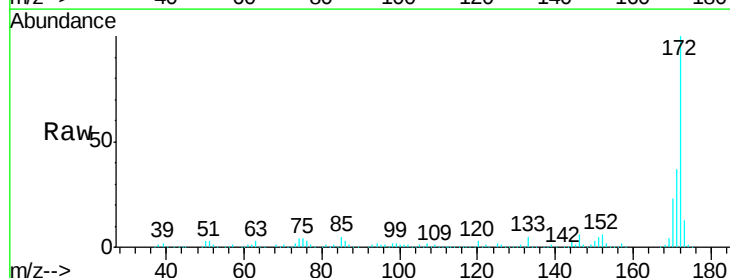


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

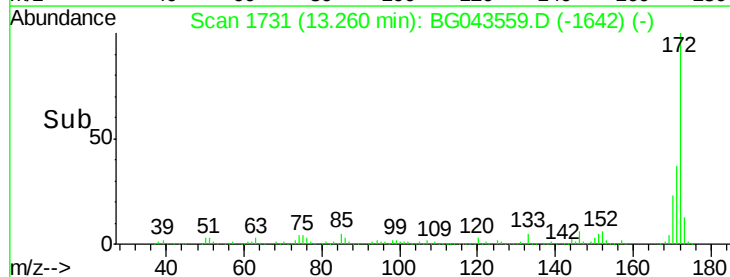
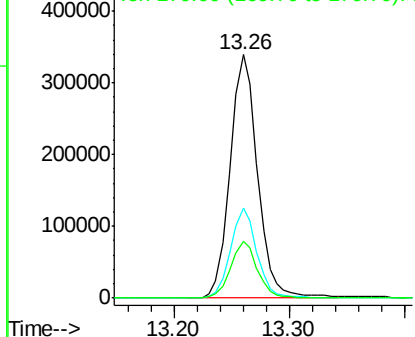


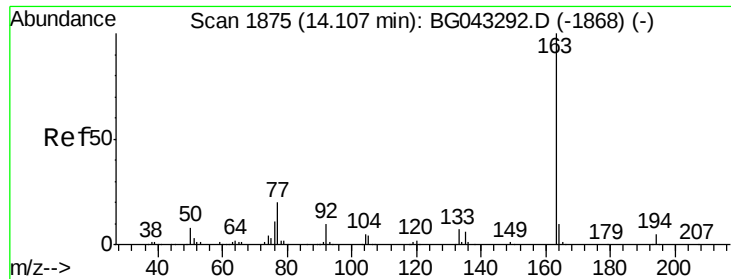
#45
 2-Fluorobiphenyl
 Concen: 88.009 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

Tgt Ion:172 Resp: 560517
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 23.5 18.5 27.7



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

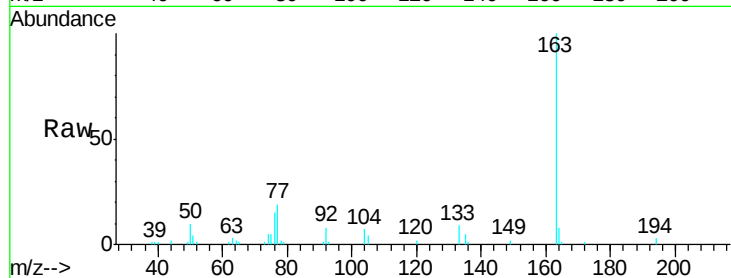




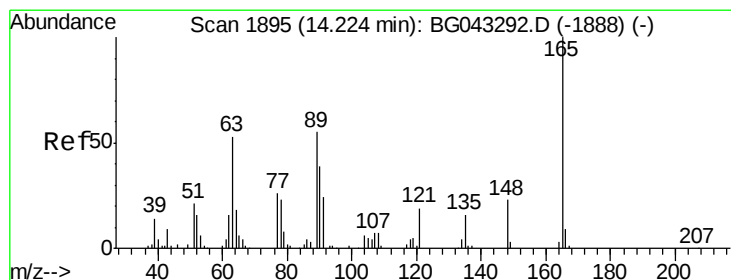
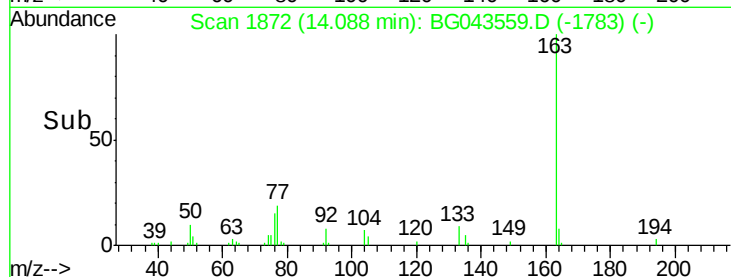
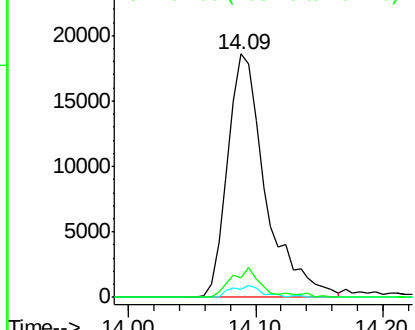
#50
Dimethylphthalate
Concen: 5.668 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Instrument :
BNA_G
ClientSampleId :
PB124608TB

Tgt Ion:163 Resp: 38638
Ion Ratio Lower Upper
163 100
194 3.1 3.8 5.6#
164 7.9 8.9 13.3#

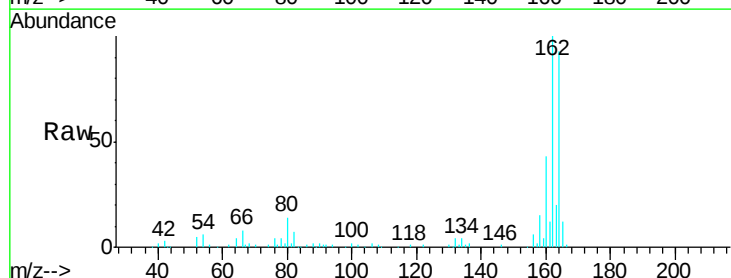


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

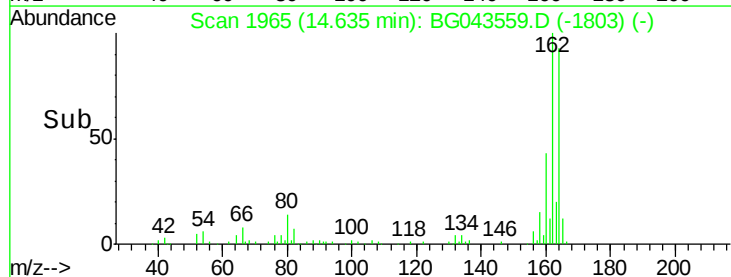
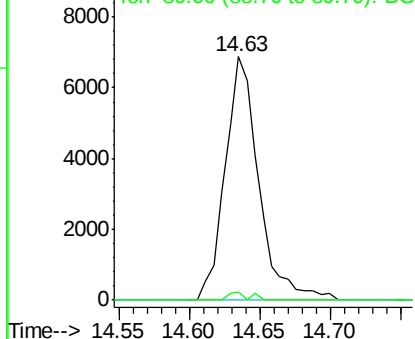


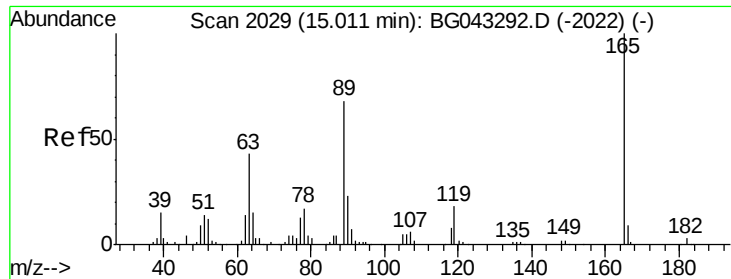
#51
2,6-Dinitrotoluene
Concen: 7.726 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.42 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Tgt Ion:165 Resp: 11441
Ion Ratio Lower Upper
165 100
63 0.0 46.6 69.8#
89 3.2 45.1 67.7#



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

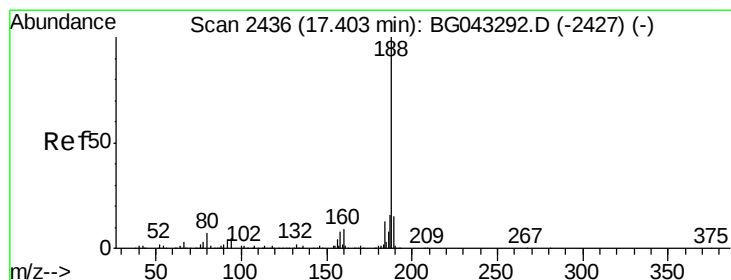
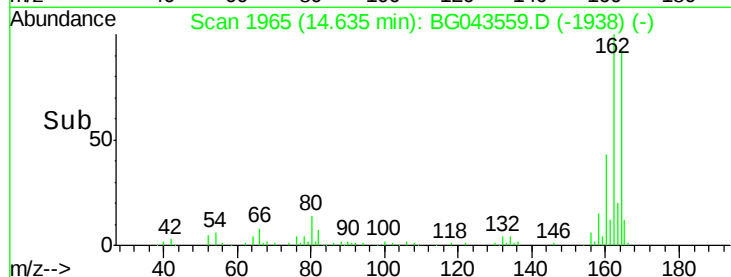
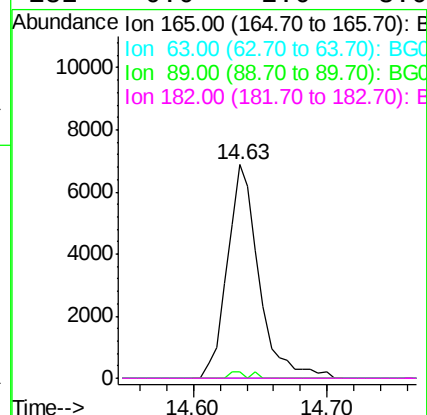
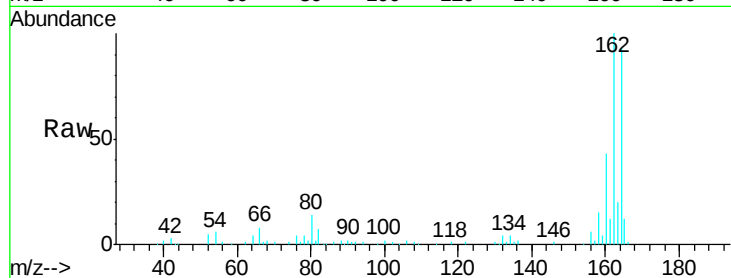




#57
 2,4-Dinitrotoluene
 Concen: 5.406 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

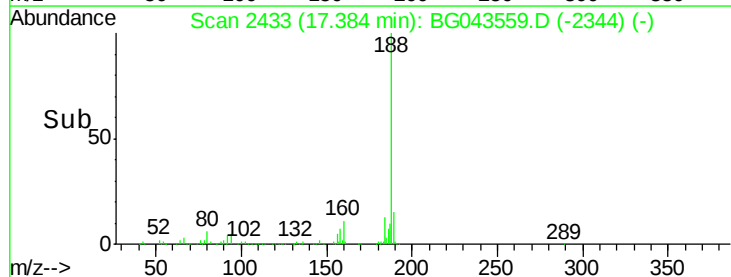
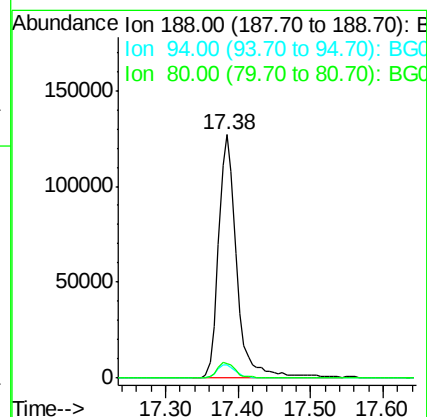
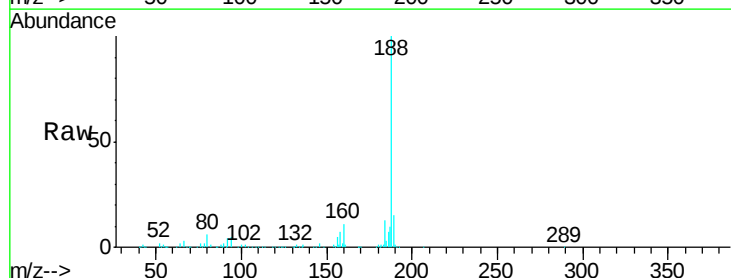
Instrument :
 BNA_G
 ClientSampleId :
 PB124608TB

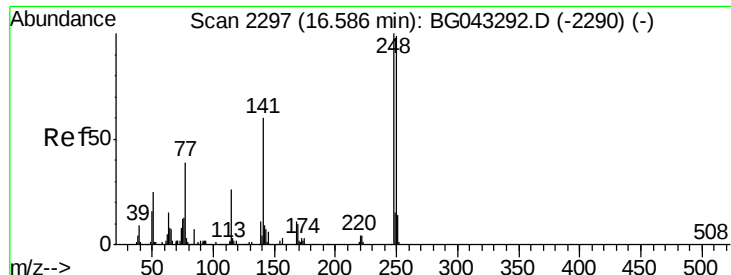
Tgt Ion:	165	Resp:	11442
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	3.2	52.2	78.4#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043559.D
 Acq: 8 Nov 2019 4:32

Tgt Ion:	188	Resp:	222045
Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.2	6.4
80	6.2	4.5	6.7

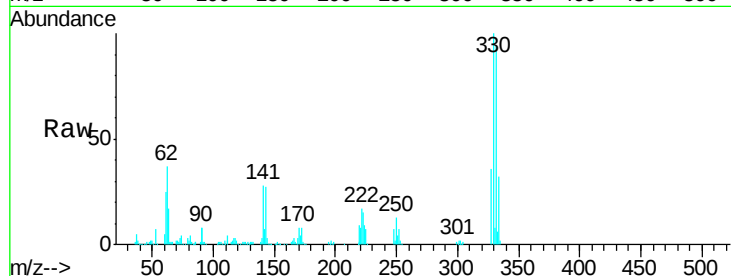




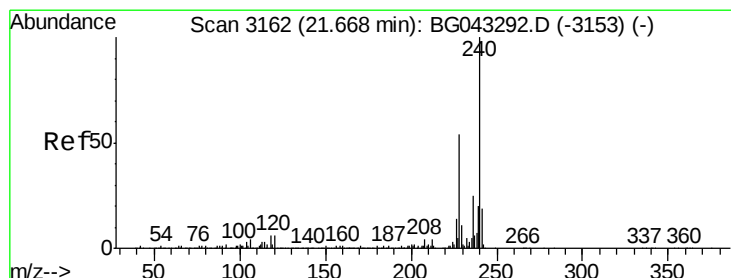
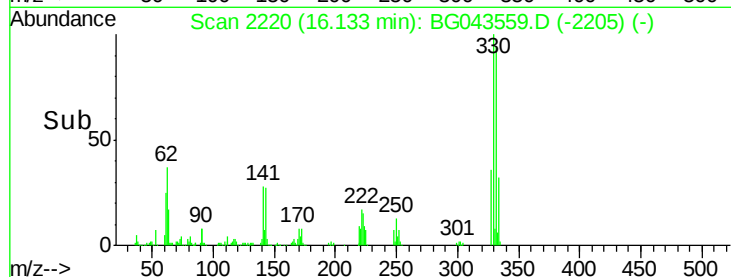
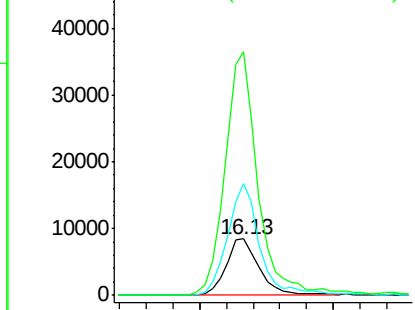
#67
4-Bromophenyl-phenylether
Concen: 4.921 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Instrument :
BNA_G
ClientSampleId :
PB124608TB

Tgt Ion:248 Resp: 14704
Ion Ratio Lower Upper
248 100
250 198.9 77.0 115.4#
141 431.5 47.5 71.3#

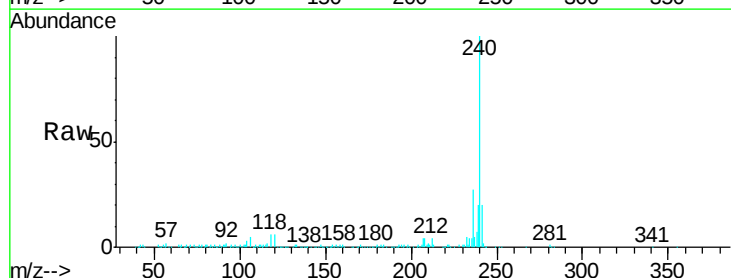


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

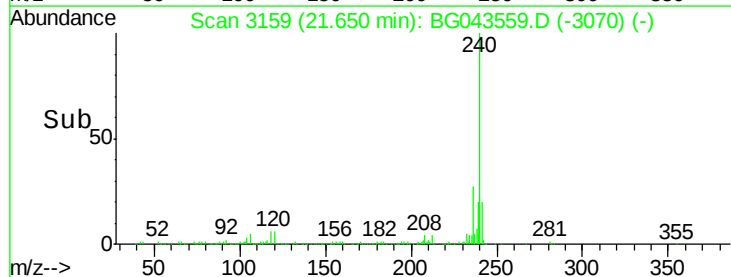
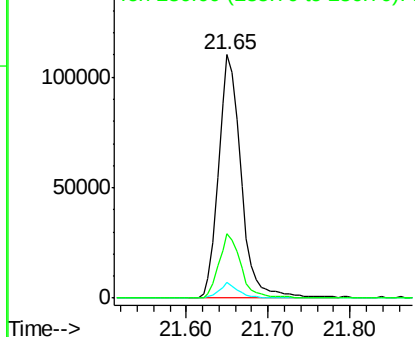


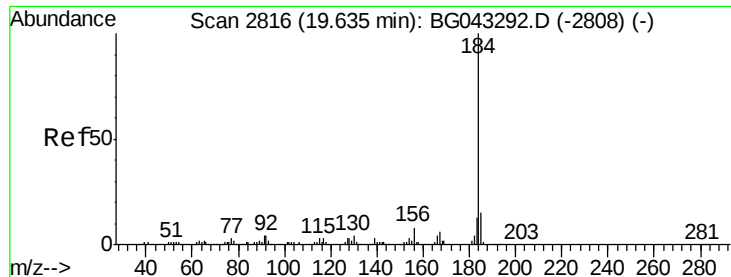
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Tgt Ion:240 Resp: 212167
Ion Ratio Lower Upper
240 100
120 6.3 4.6 6.8
236 26.6 19.8 29.8



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: 3.772 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.37 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

Instrument :

BNA_G

ClientSampleId :

PB124608TB

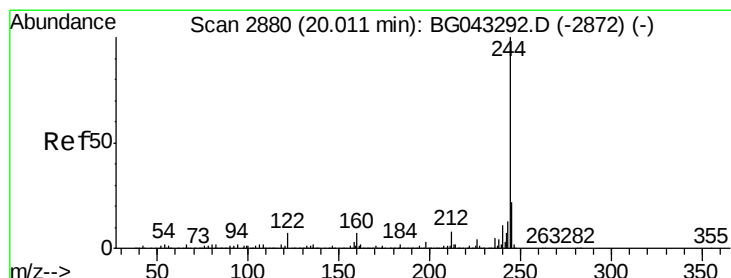
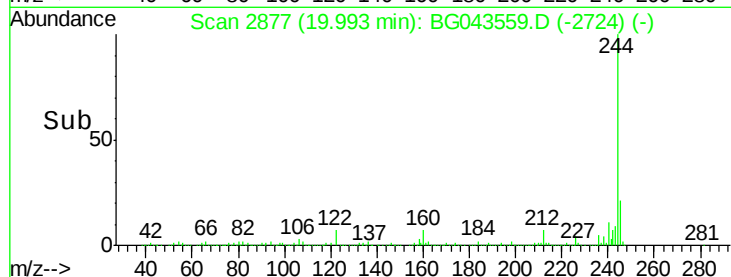
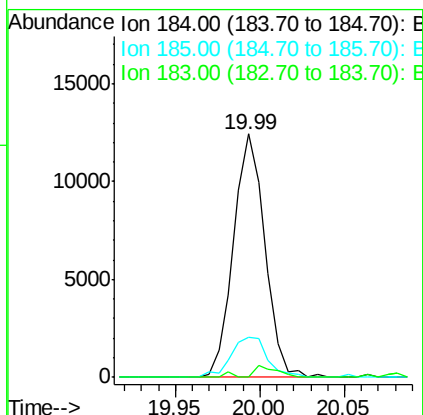
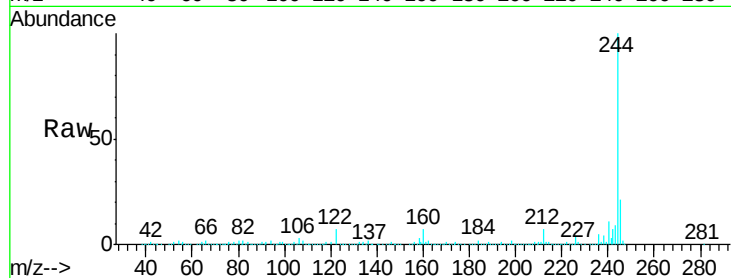
Tgt Ion:184 Resp: 16105

Ion Ratio Lower Upper

184 100

185 16.5 11.0 16.4#

183 0.0 10.0 15.0#



#79

Terphenyl-d14

Concen: 98.899 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043559.D

Acq: 8 Nov 2019 4:32

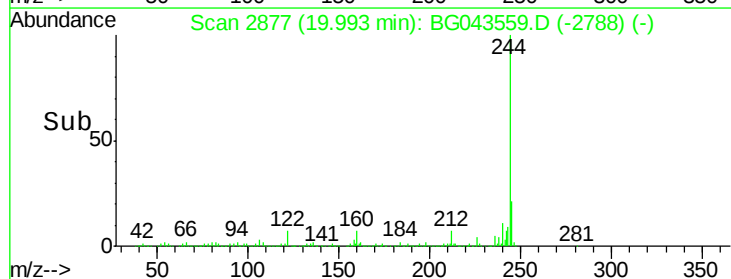
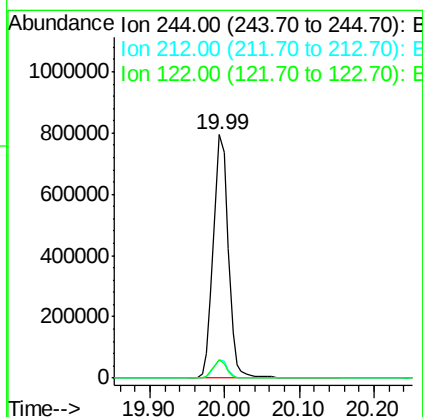
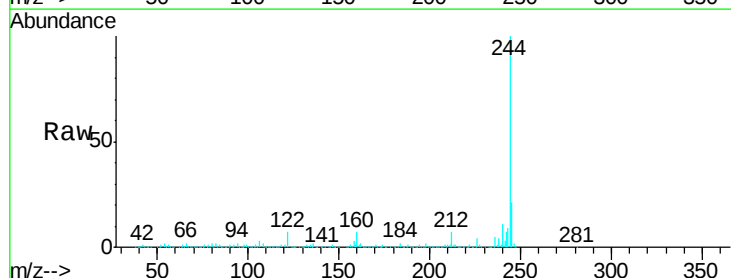
Tgt Ion:244 Resp: 1118474

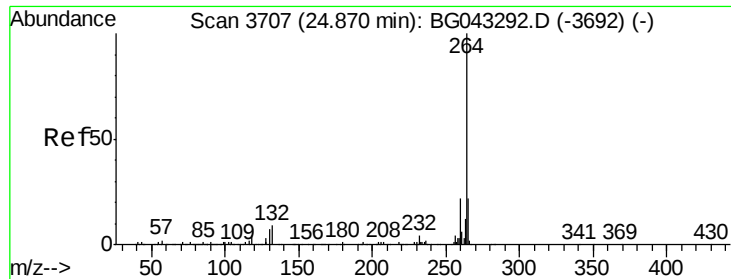
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 7.4 5.4 8.2





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3703
Delta R.T. -0.01 min
Lab File: BG043559.D
Acq: 8 Nov 2019 4:32

Instrument :
BNA_G
ClientSampleId :
PB124608TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.5	26.3
265	21.8	17.4	26.0

