

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
 Data File : BG043339.D
 Acq On : 25 Oct 2019 14:50
 Operator : JU
 Sample : PB124305BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124305BL

Quant Time: Oct 25 15:30:30 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

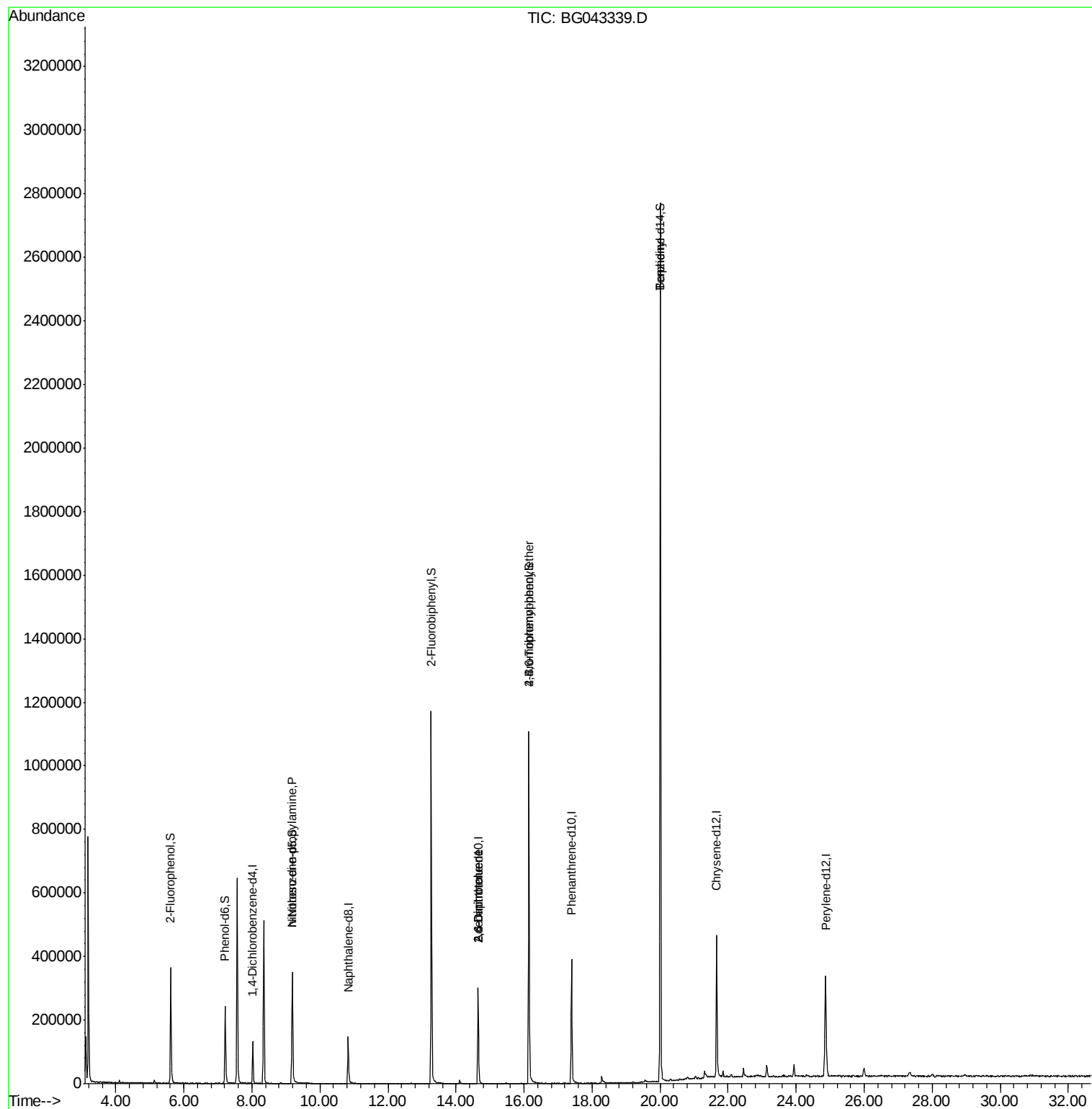
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	41442	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	146094	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	116078	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	280504	20.00	ng	0.00
76) Chrysene-d12	21.66	240	308011	20.00	ng	0.00
87) Perylene-d12	24.87	264	355463	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	178310	78.84	ng	0.01
7) Phenol-d6	7.22	99	158046	48.57	ng	0.01
23) Nitrobenzene-d5	9.18	82	241544	85.24	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	280600	127.03	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	709398	84.45	ng	0.00
79) Terphenyl-d14	20.01	244	1469938	89.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	34216	16.273	ng	# 73
51) 2,6-Dinitrotoluene	14.65	165	15073	7.717	ng	# 23
57) 2,4-Dinitrotoluene	14.65	165	15073	5.400	ng	# 24
67) 4-Bromophenyl-phenylether	16.15	248	18464	4.891	ng	# 1
77) Benzidine	20.01	184	22052	3.557	ng	# 89

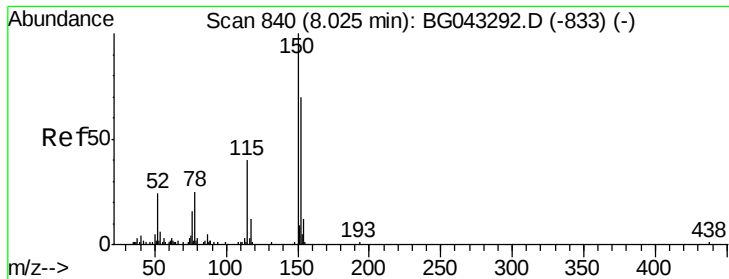
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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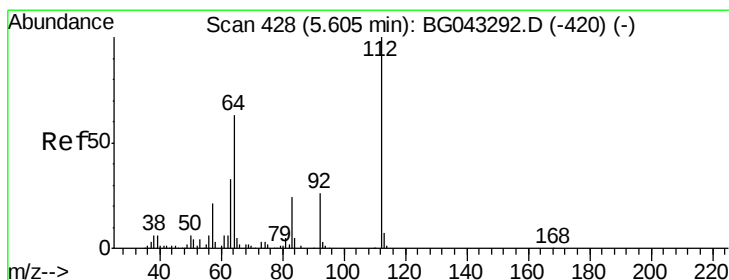
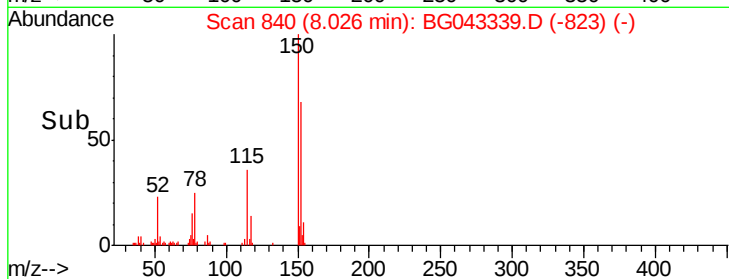
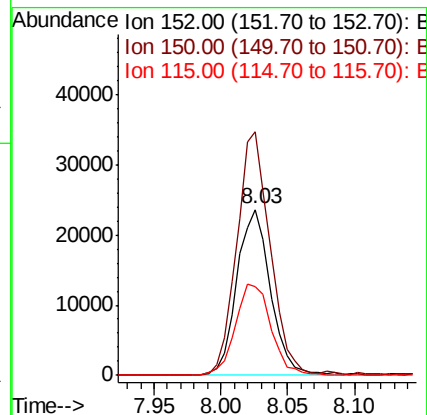
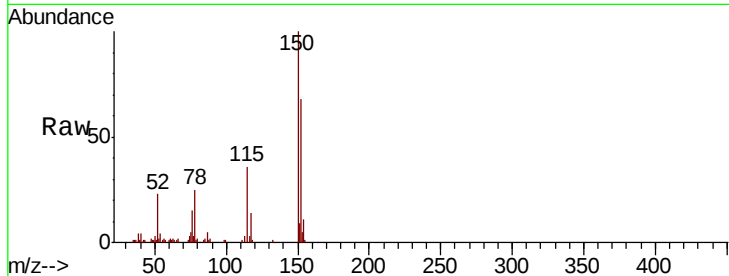


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG043339.D
Acq: 25 Oct 2019 14:50

Instrument :
BNA_G
ClientSampleId :
PB124305BL

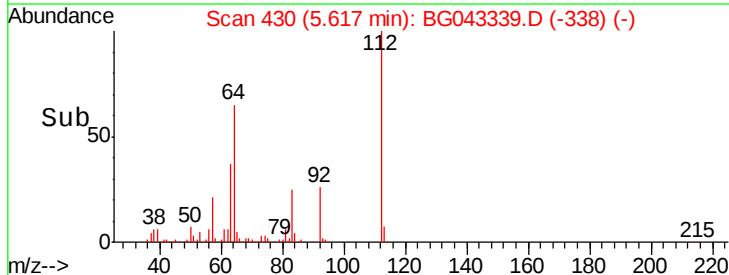
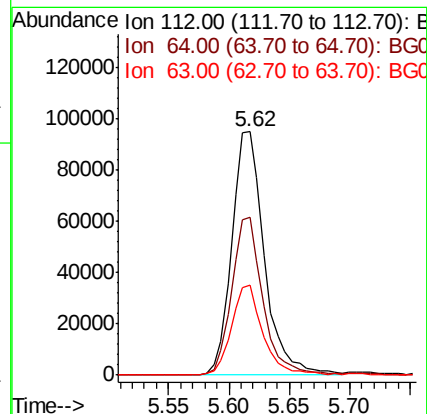
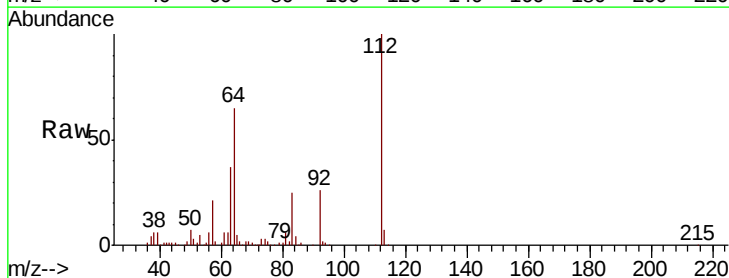
Tot Ion:152 Resp: 41442
Ion Ratio Lower Upper
152 100
150 146.9 113.6 170.4
115 53.5 45.9 68.9

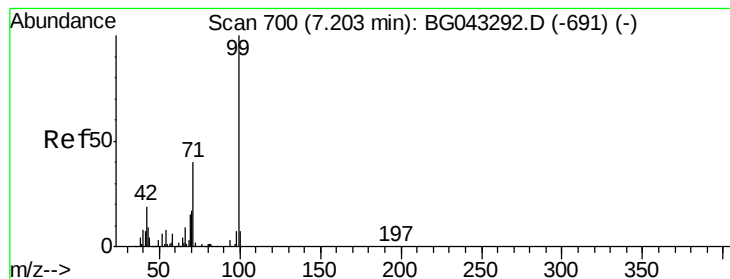


#5

2-Fluorophenol
Concen: 78.844 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043339.D
Acq: 25 Oct 2019 14:50

Tgt Ion:112 Resp: 178310
Ion Ratio Lower Upper
112 100
64 64.7 50.2 75.2
63 36.9 26.7 40.1





#7

Phenol-d6

Concen: 48.572 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

Instrument :

BNA_G

ClientSampleId :

PB124305BL

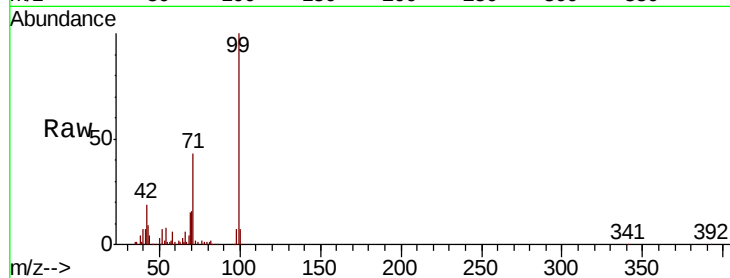
Tot Ion: 99 Resp: 158046

Ion Ratio Lower Upper

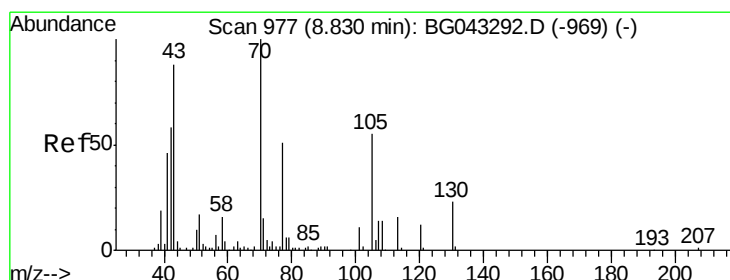
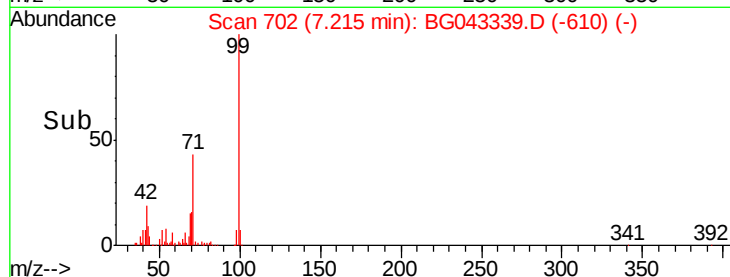
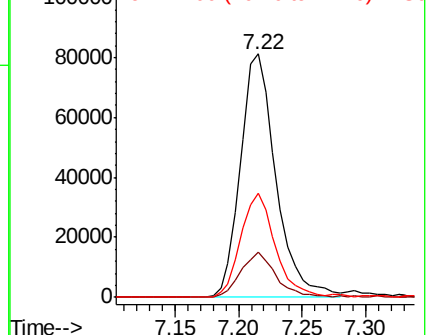
99 100

42 18.8 14.9 22.3

71 42.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.273 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

Tgt Ion: 70 Resp: 34216

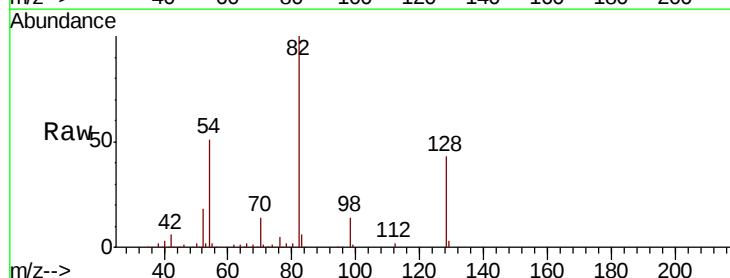
Ion Ratio Lower Upper

70 100

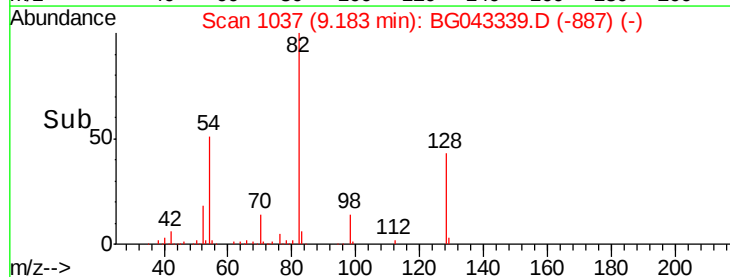
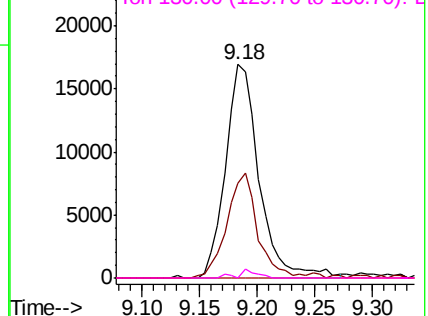
42 44.6 46.2 69.2#

101 0.0 8.6 13.0#

130 0.0 18.6 27.8#



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: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

Instrument :

BNA_G

ClientSampleId :

PB124305BL

Tot Ion:136 Resp: 146094

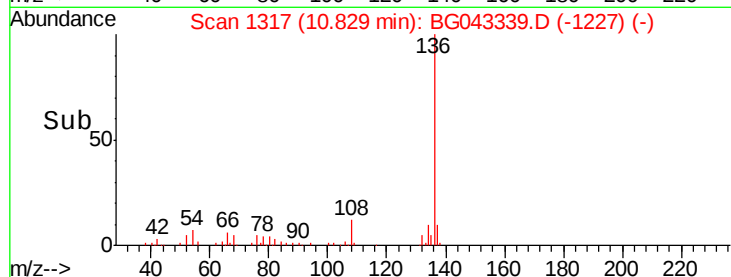
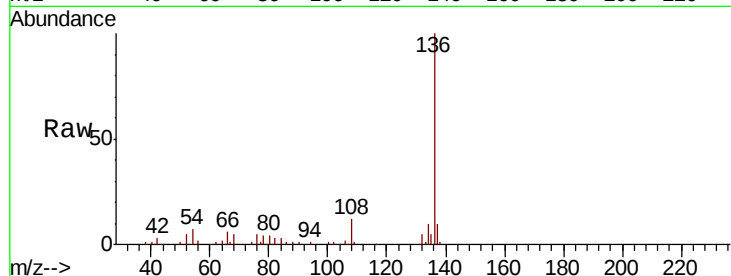
Ion Ratio Lower Upper

136 100

137 10.0 8.2 12.2

54 6.9 5.4 8.2

68 5.0 3.3 4.9#

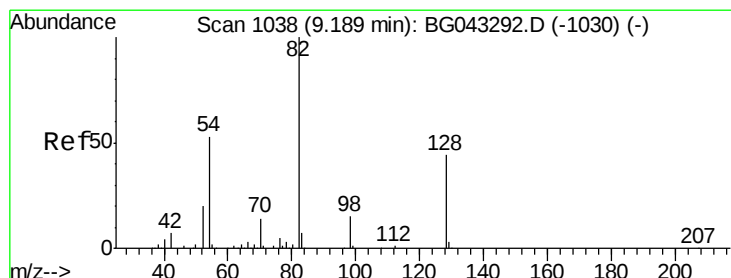
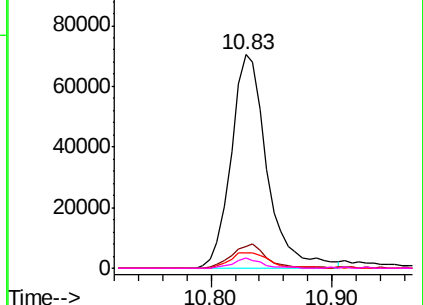


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.237 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

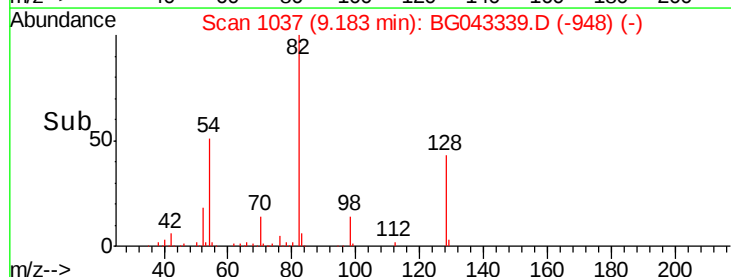
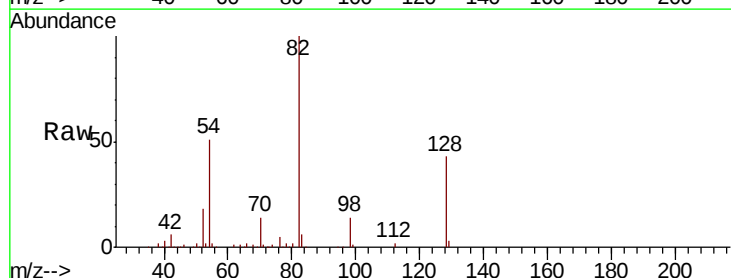
Tgt Ion: 82 Resp: 241544

Ion Ratio Lower Upper

82 100

128 43.0 35.3 52.9

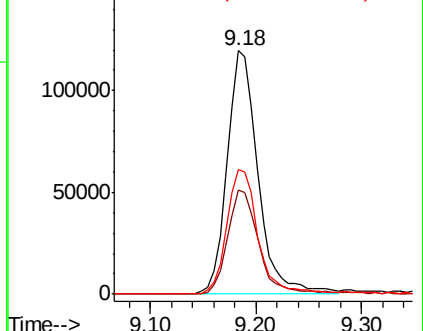
54 51.2 42.3 63.5

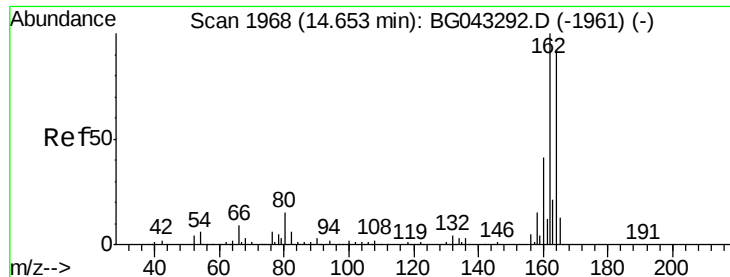


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG043339.D

Acq: 25 Oct 2019 14:50

Instrument :

BNA_G

ClientSampleId :

PB124305BL

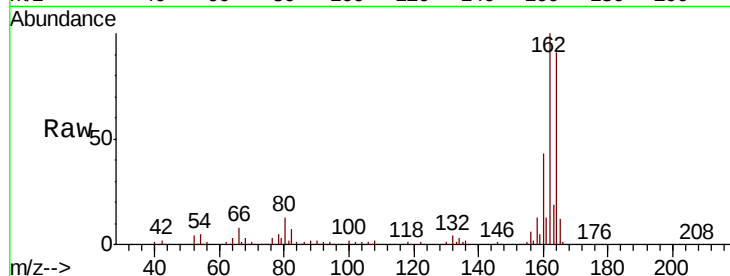
Tot Ion:164 Resp: 116078

Ion Ratio Lower Upper

164 100

162 109.4 87.0 130.4

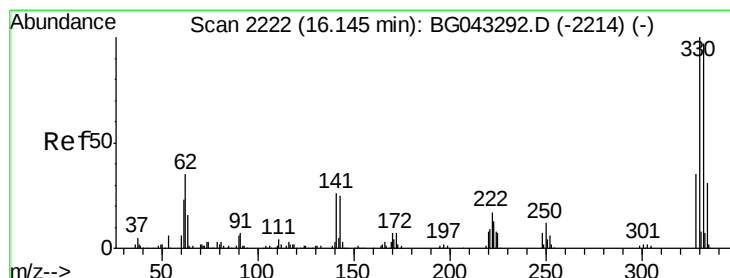
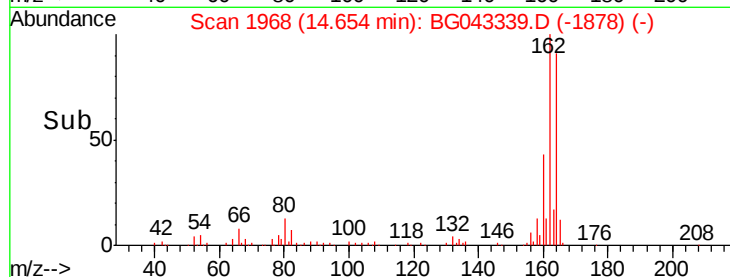
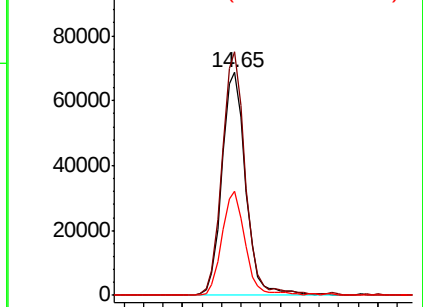
160 46.8 35.5 53.3



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: 127.028 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

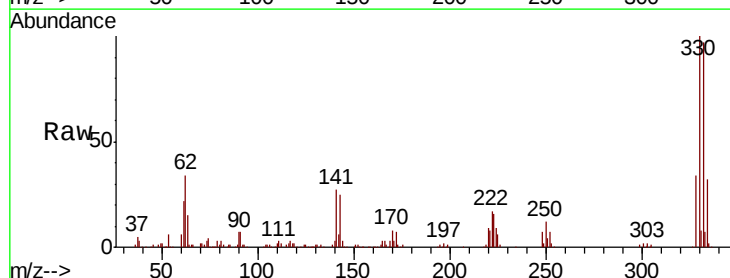
Tgt Ion:330 Resp: 280600

Ion Ratio Lower Upper

330 100

332 95.7 76.4 114.6

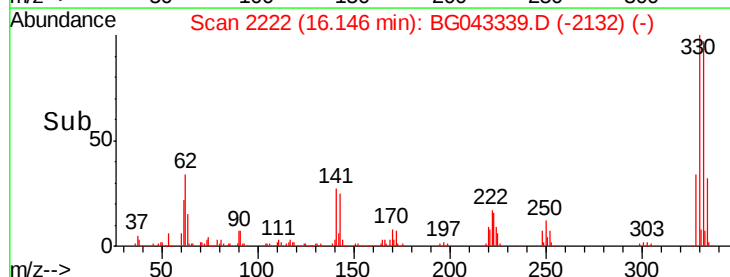
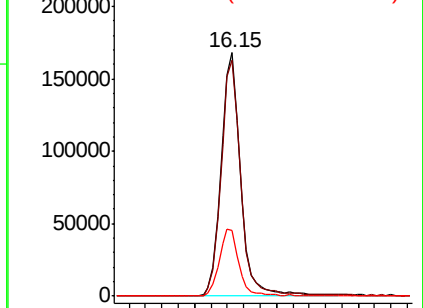
141 27.3 21.4 32.0



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

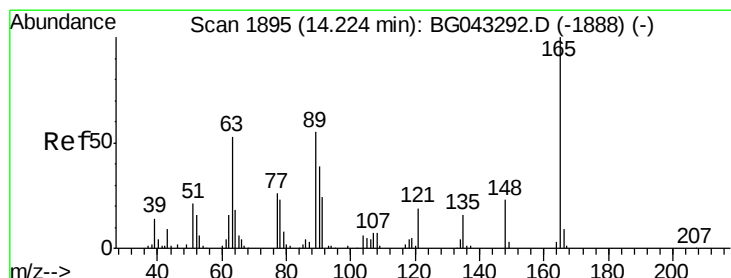
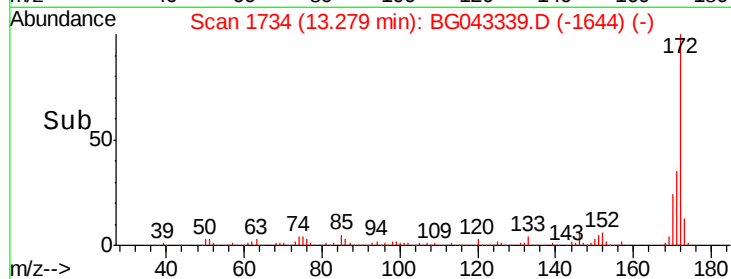
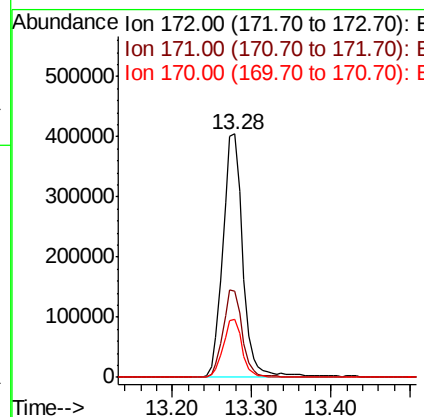
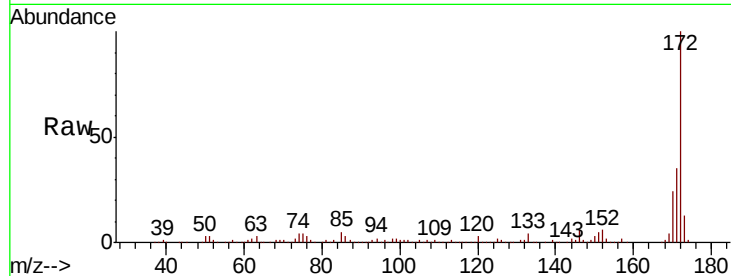




#45
 2-Fluorobiphenyl
 Concen: 84.447 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG043339.D
 Acq: 25 Oct 2019 14:50

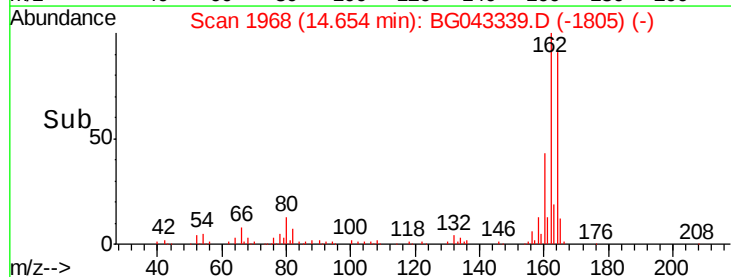
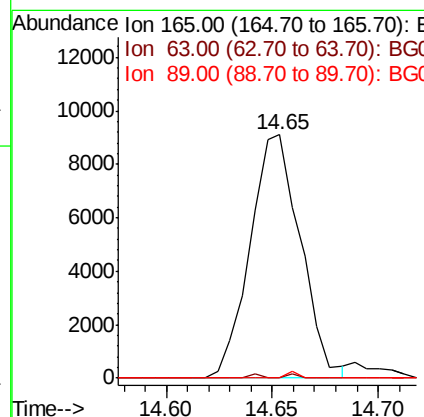
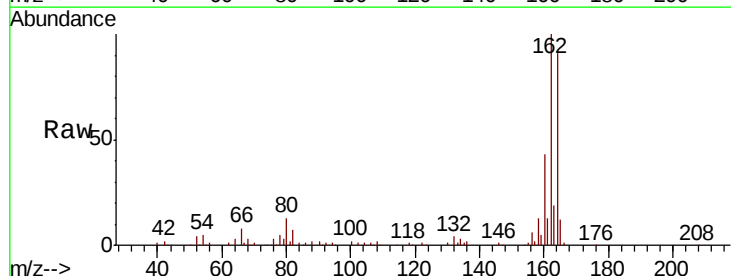
Instrument :
 BNA_G
 ClientSampleId :
 PB124305BL

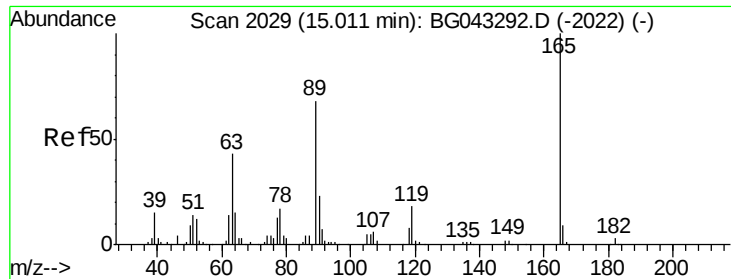
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.8	18.8	28.2



#51
 2,6-Dinitrotoluene
 Concen: 7.717 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043339.D
 Acq: 25 Oct 2019 14:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.1	70.7#
89	0.0	43.7	65.5#

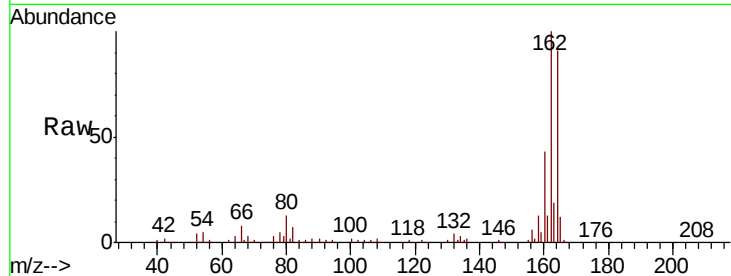




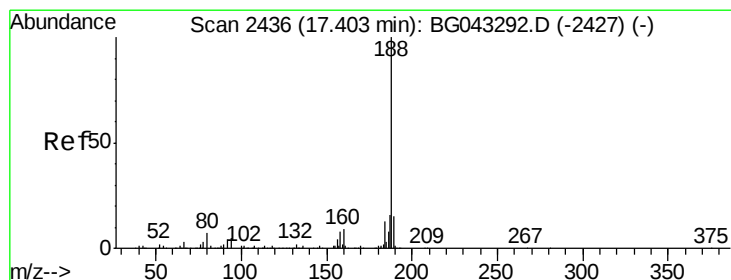
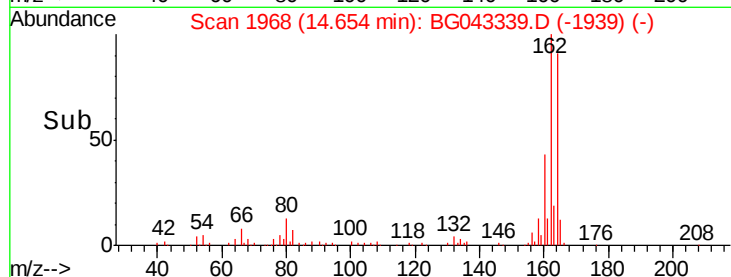
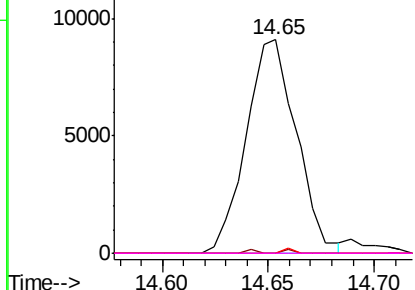
#57
 2,4-Dinitrotoluene
 Concen: 5.400 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043339.D
 Acq: 25 Oct 2019 14:50

Instrument :
 BNA_G
 ClientSampled :
 PB124305BL

Tot Ion:165 Resp: 15073
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.6#
 89 0.0 54.1 81.1#
 182 0.0 2.2 3.2#

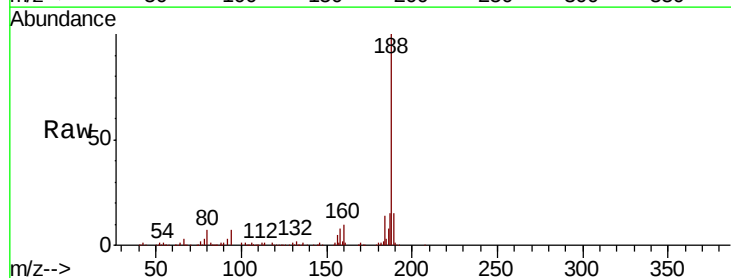


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

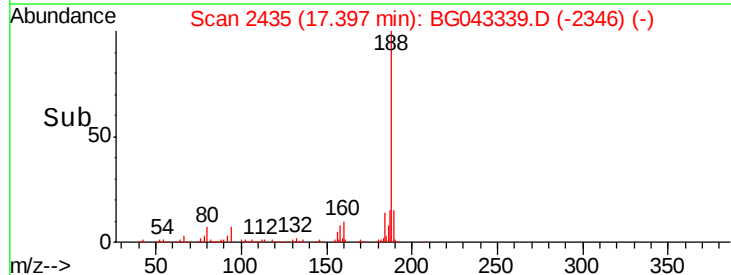
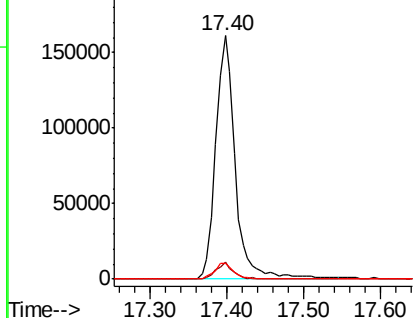


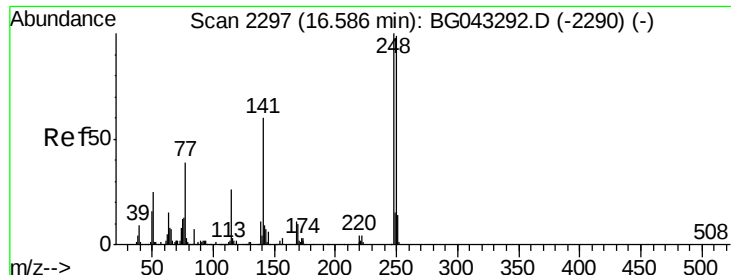
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043339.D
 Acq: 25 Oct 2019 14:50

Tgt Ion:188 Resp: 280504
 Ion Ratio Lower Upper
 188 100
 94 7.1 4.2 6.2#
 80 6.6 5.2 7.8



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

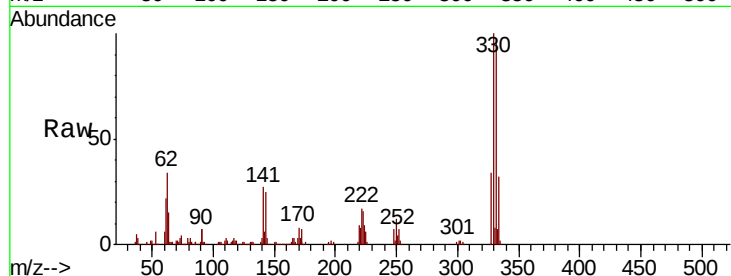




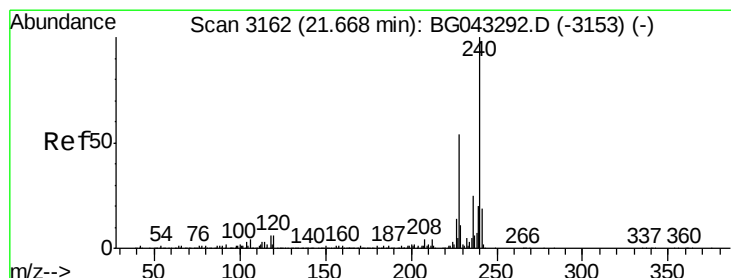
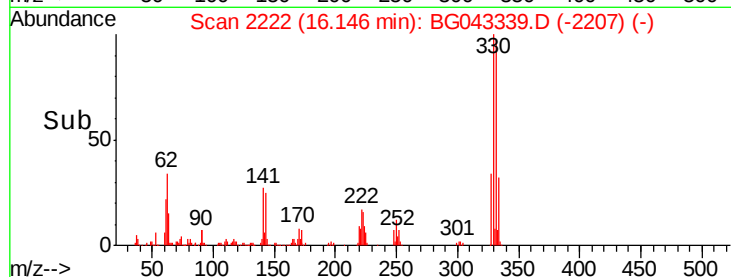
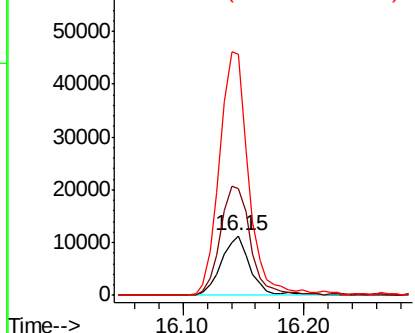
#67
4-Bromophenyl-phenylether
Concen: 4.891 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043339.D
Acq: 25 Oct 2019 14:50

Instrument :
BNA_G
ClientSampleId :
PB124305BL

Tot Ion:248 Resp: 18464
Ion Ratio Lower Upper
248 100
250 178.9 79.3 118.9#
141 404.3 47.9 71.9#

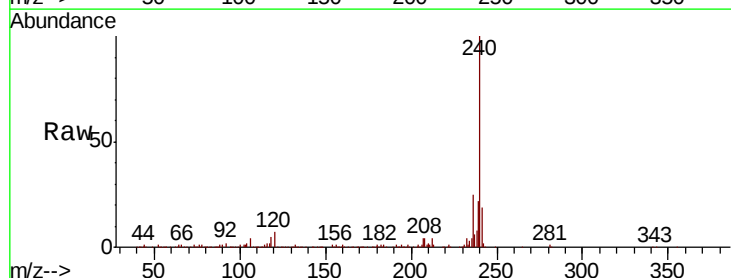


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

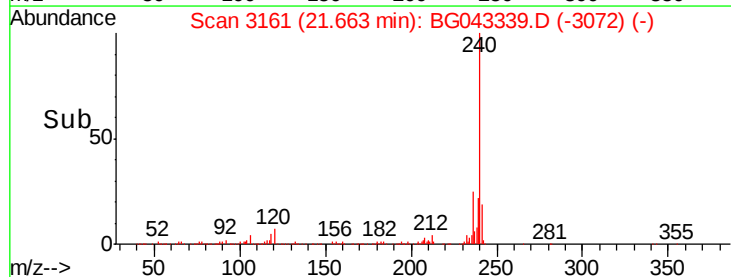
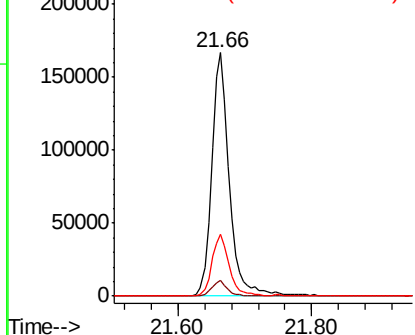


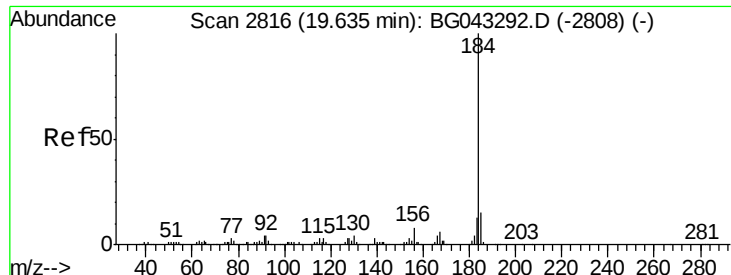
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043339.D
Acq: 25 Oct 2019 14:50

Tgt Ion:240 Resp: 308011
Ion Ratio Lower Upper
240 100
120 6.6 4.6 7.0
236 25.2 20.2 30.4



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: 3.557 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

Instrument :

BNA_G

ClientSampleId :

PB124305BL

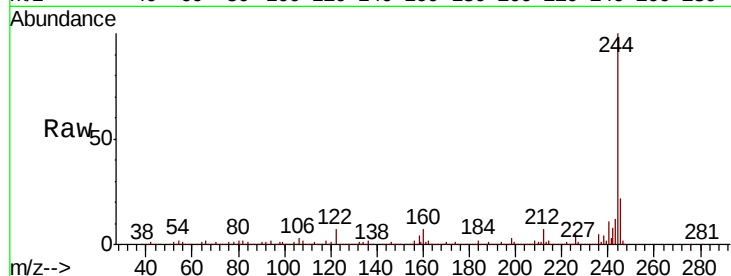
Tot Ion:184 Resp: 22052

Ion Ratio Lower Upper

184 100

185 19.8 11.8 17.6#

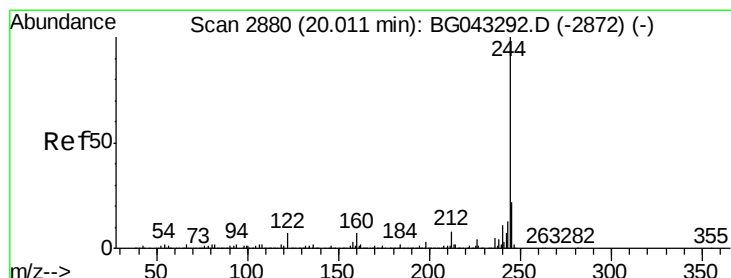
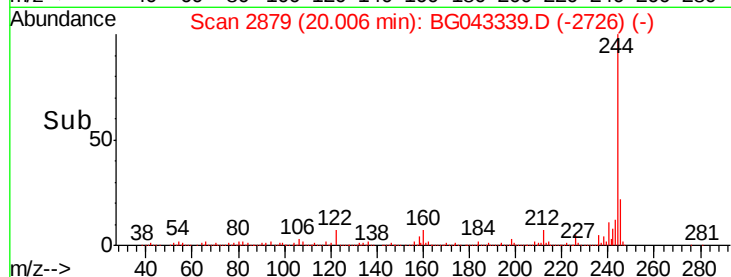
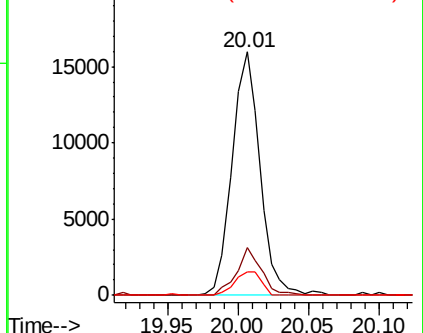
183 9.6 10.6 16.0#



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: 89.532 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043339.D

Acq: 25 Oct 2019 14:50

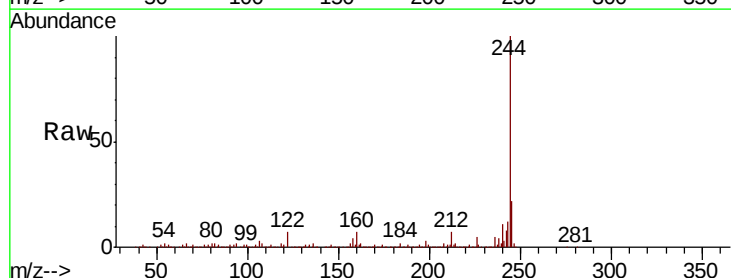
Tgt Ion:244 Resp: 1469938

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

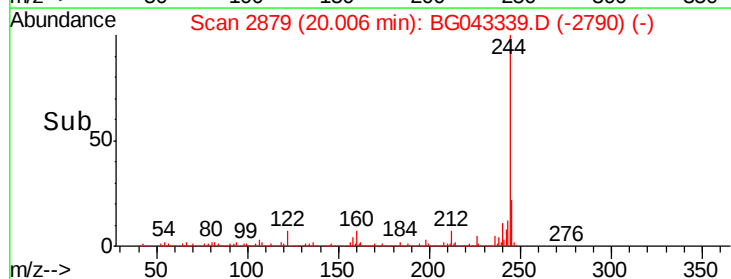
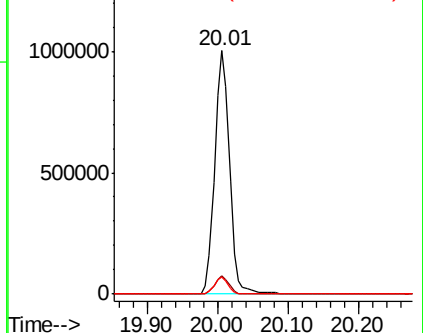
122 7.3 5.3 7.9

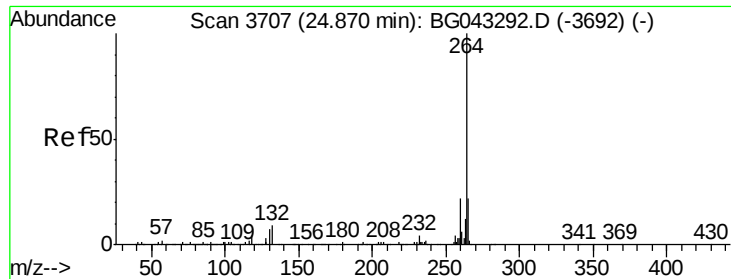


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.87 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043339.D
Acq: 25 Oct 2019 14:50

Instrument :
BNA_G
ClientSampleId :
PB124305BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	23.0	17.4	26.2

