

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043053.D
 Acq On : 5 Oct 2019 13:38
 Operator : JU
 Sample : PB123649TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123649TB

Quant Time: Oct 06 23:52:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

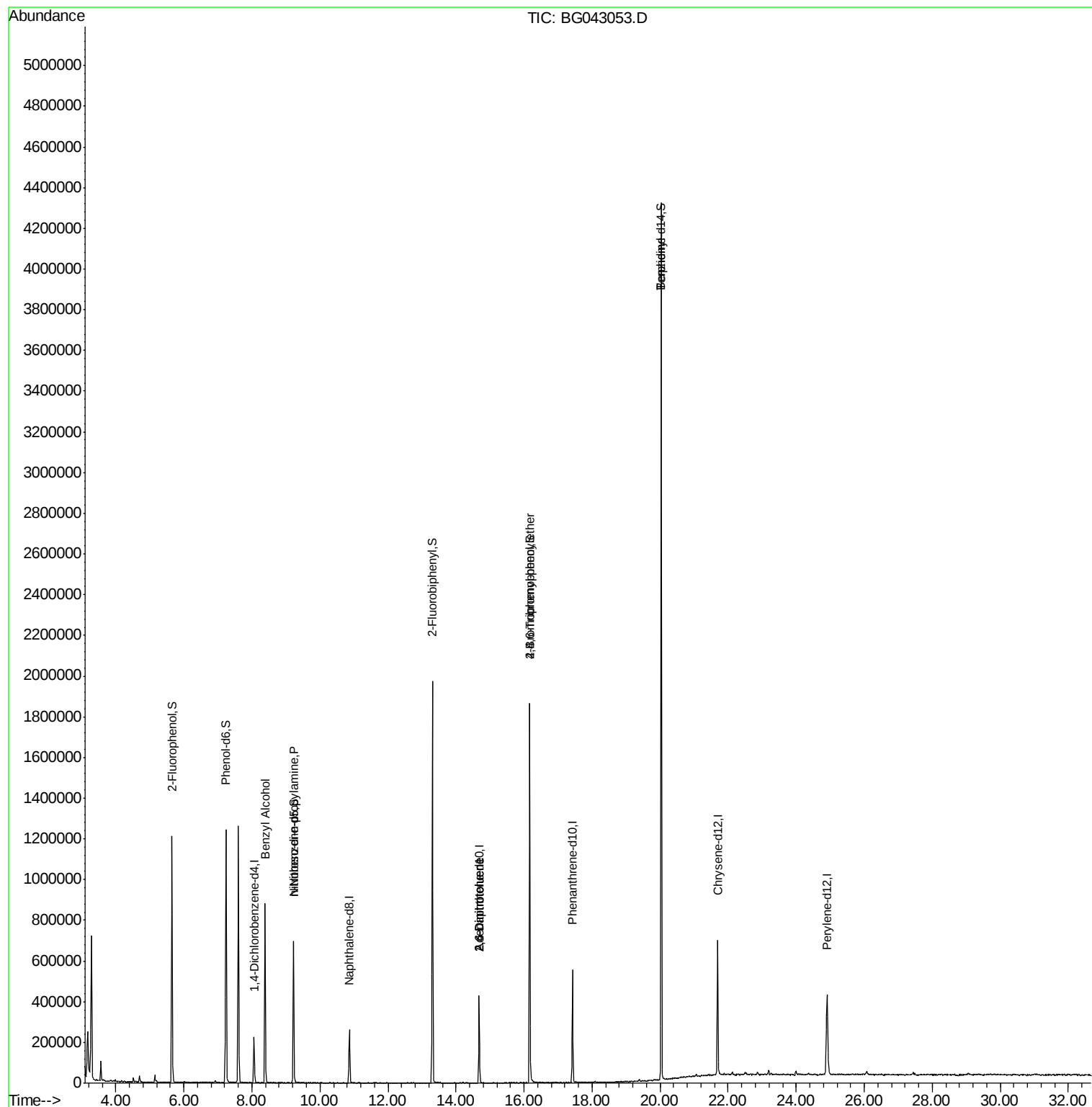
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	67011	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	225592	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	157262	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	375169	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	411969	20.00	ng	-0.02
87) Perylene-d12	24.90	264	463270	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	523966	139.54	ng	0.00
7) Phenol-d6	7.24	99	710890	131.47	ng	0.00
23) Nitrobenzene-d5	9.22	82	447090	96.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	405506	149.95	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1053410	97.11	ng	-0.02
79) Terphenyl-d14	20.03	244	2057046	106.40	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.38	79	8171	2.010	ng	# 50
19) n-Nitroso-di-n-propylamine	9.22	70	61272	17.257	ng	# 69
51) 2,6-Dinitrotoluene	14.68	165	20420	8.138	ng	# 23
57) 2,4-Dinitrotoluene	14.68	165	20420	5.557	ng	# 27
67) 4-Bromophenyl-phenylether	16.17	248	27638	5.870	ng	# 1
77) Benzidine	20.03	184	34522	3.347	ng	# 89

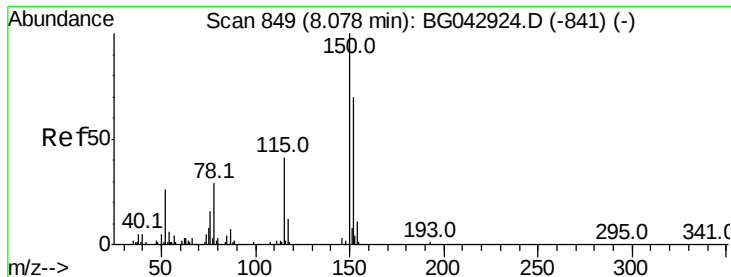
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



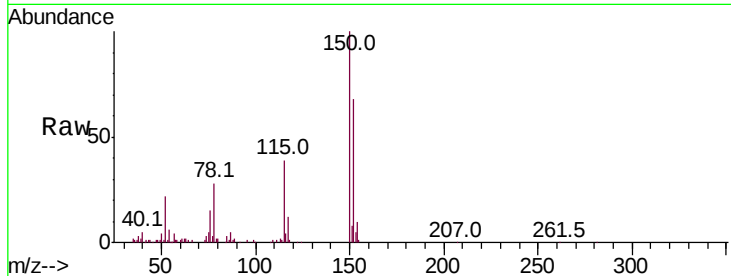


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

Instrument :
BNA_G
ClientSampleId :
PB123649TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.4	115.0	172.4
115	56.7	47.0	70.6

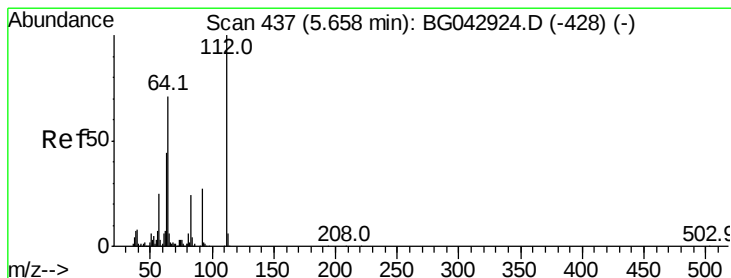
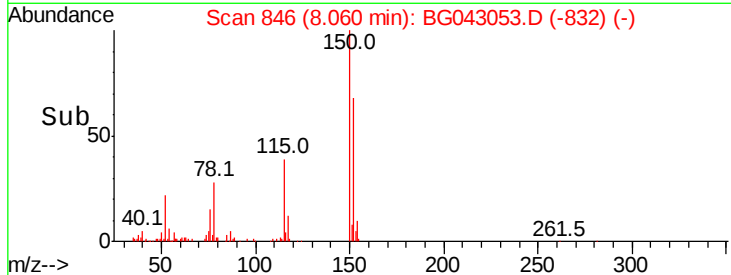
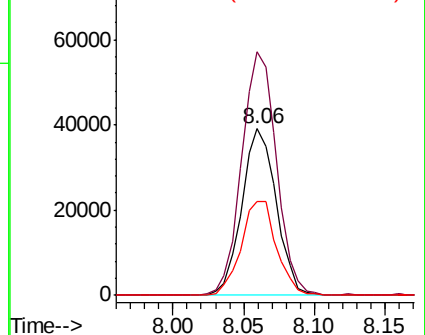


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

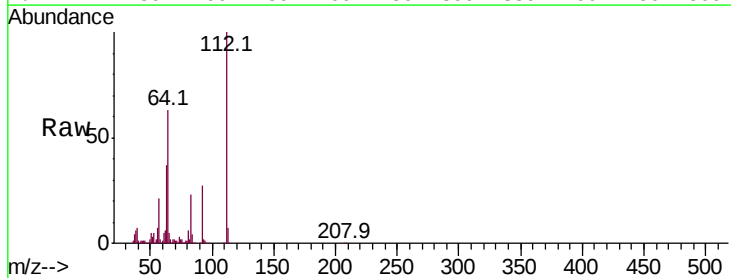
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.541 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	56.6	84.8
63	37.5	35.1	52.7

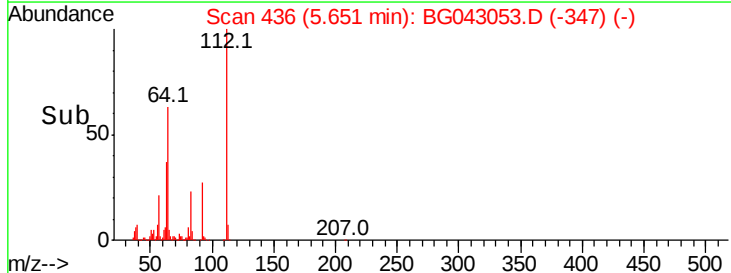
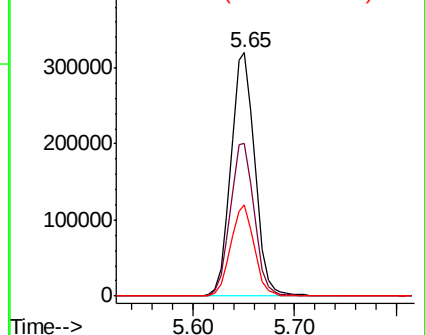


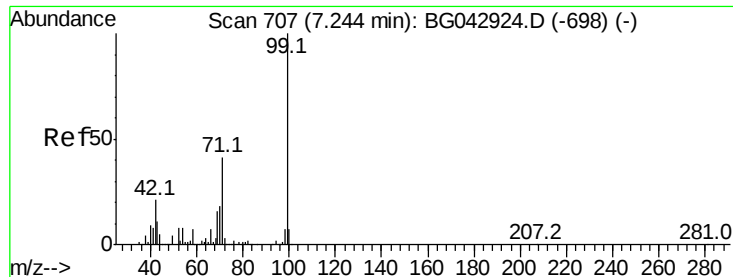
Abundance

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: 131.469 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Instrument :

BNA_G

ClientSampleId :

PB123649TB

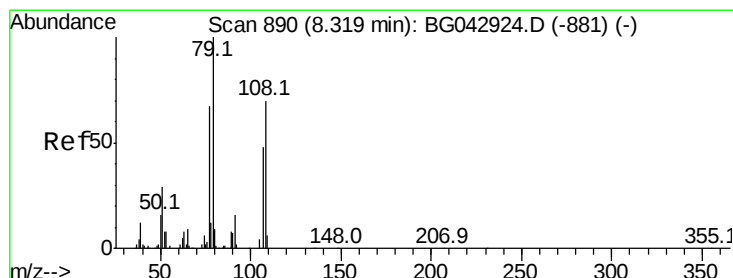
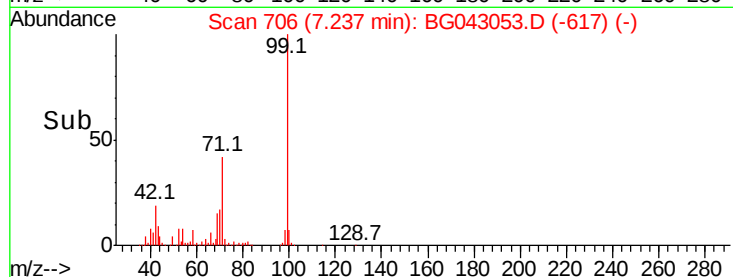
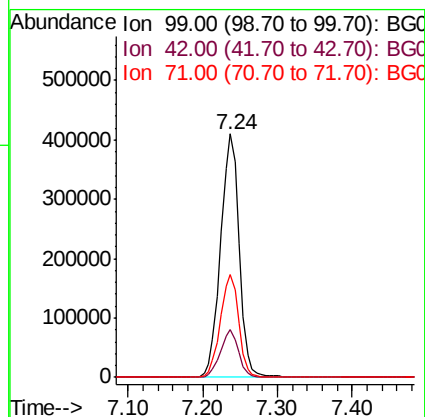
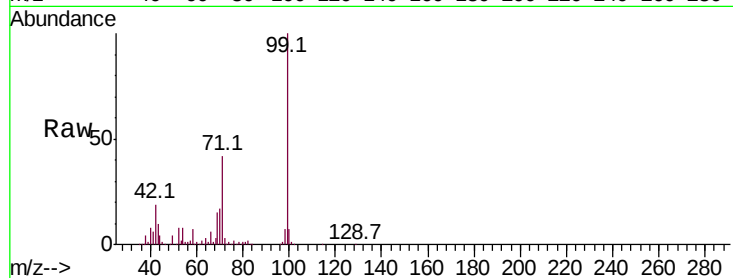
Tot Ion: 99 Resp: 710890

Ion Ratio Lower Upper

99 100

42 19.5 17.2 25.8

71 42.2 33.1 49.7



#15

Benzyl Alcohol

Concen: 2.010 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.06 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

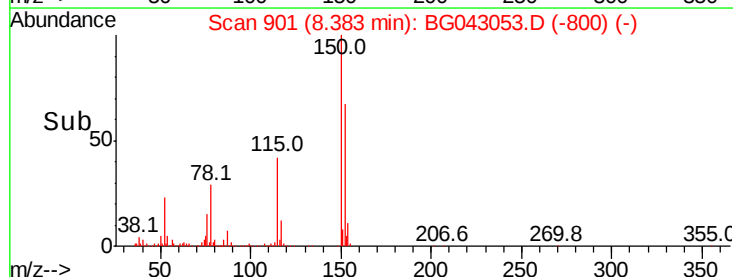
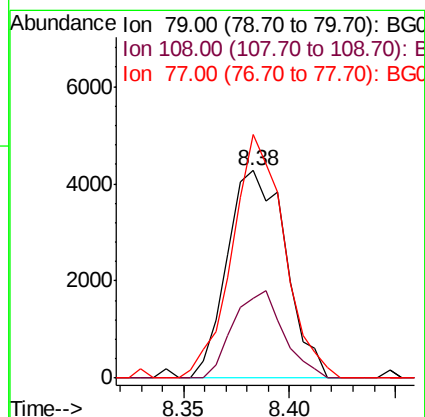
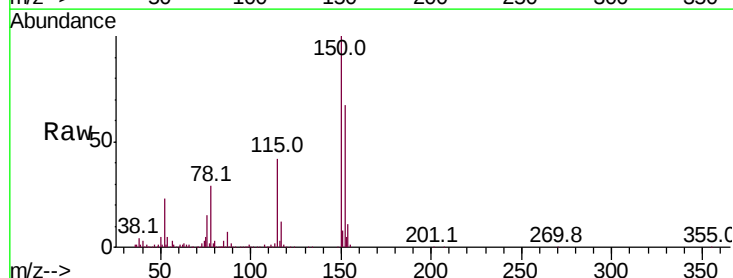
Tgt Ion: 79 Resp: 8171

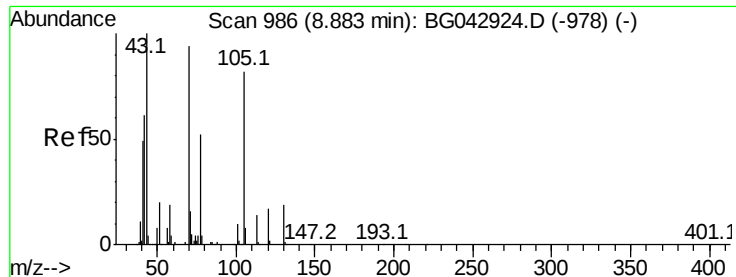
Ion Ratio Lower Upper

79 100

108 38.7 55.7 83.5#

77 117.4 53.3 79.9#

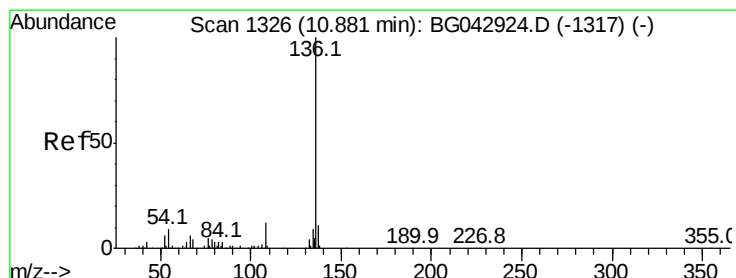
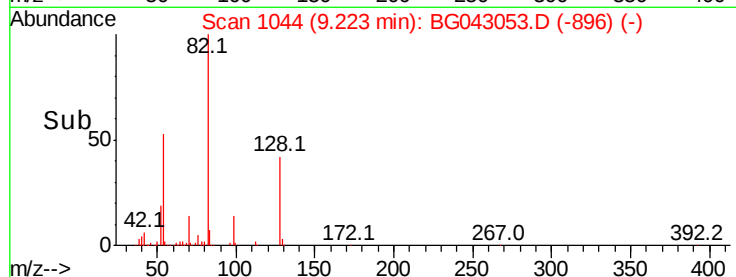
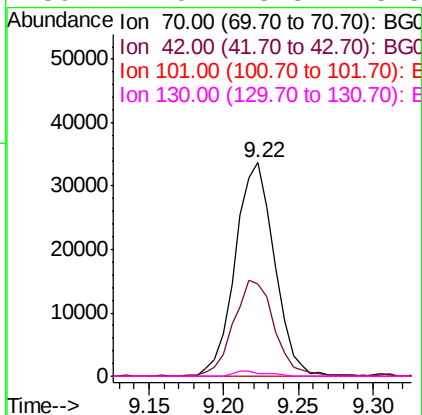
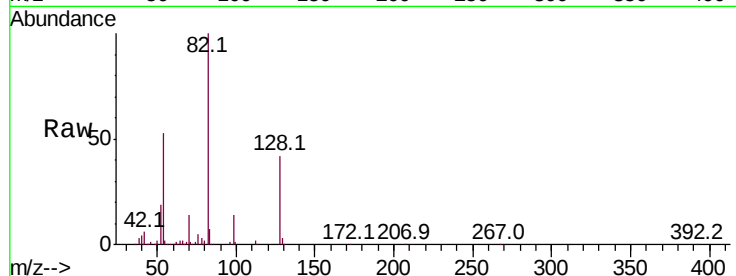




#19
n-Nitroso-di-n-propylamine
Concen: 17.257 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

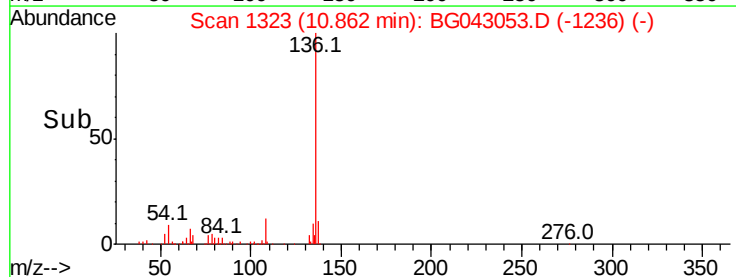
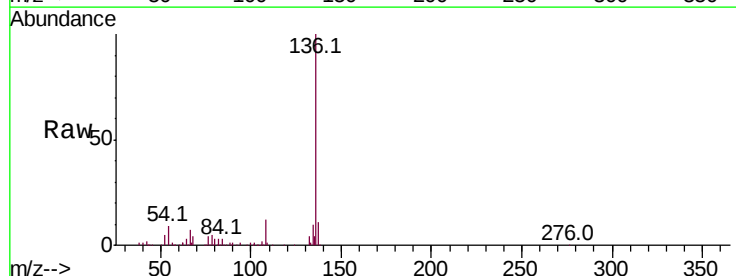
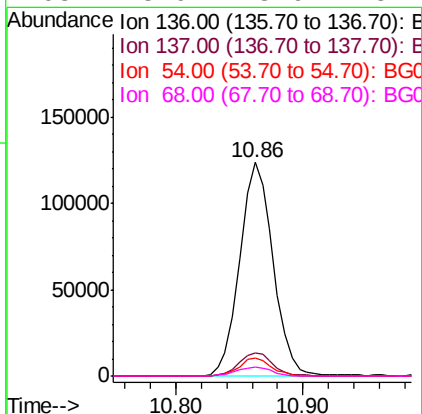
Instrument :
BNA_G
ClientSampleId :
PB123649TB

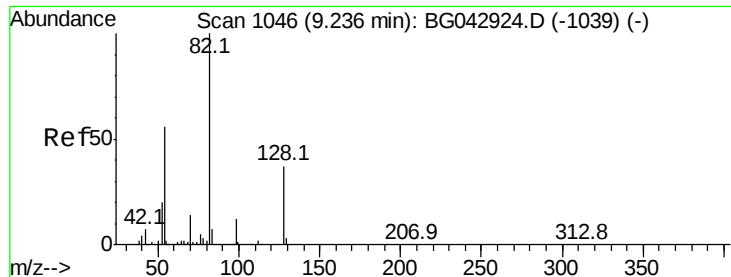
Tot Ion: 70 Resp: 61272
Ion Ratio Lower Upper
70 100
42 43.0 52.6 79.0#
101 0.0 8.7 13.1#
130 1.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

Tgt Ion: 136 Resp: 225592
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 8.6 7.4 11.2
68 3.9 3.6 5.4

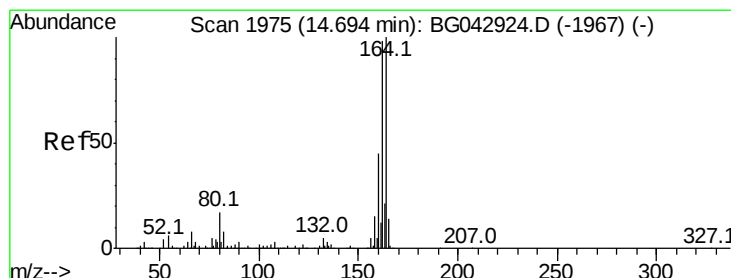
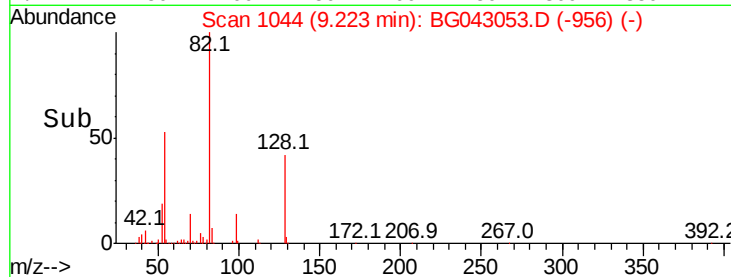
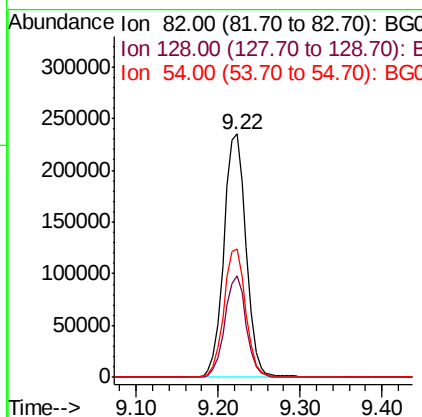
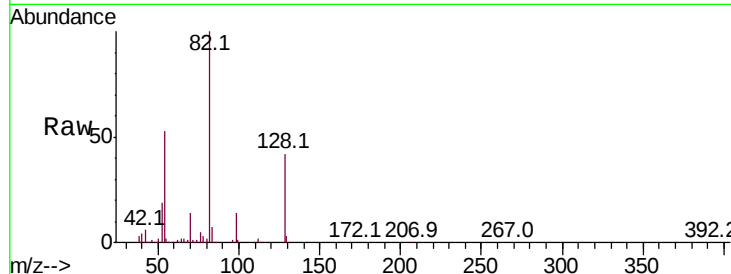




#23
Nitrobenzene-d5
Concen: 96.328 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

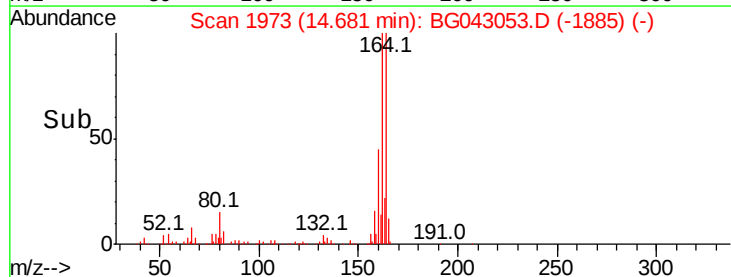
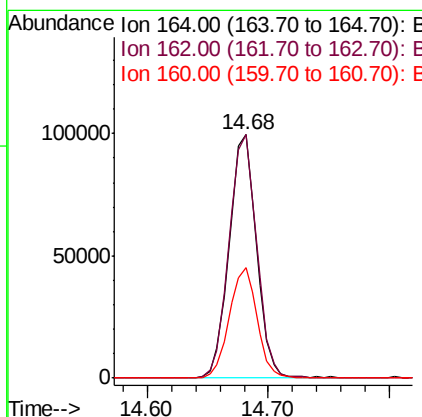
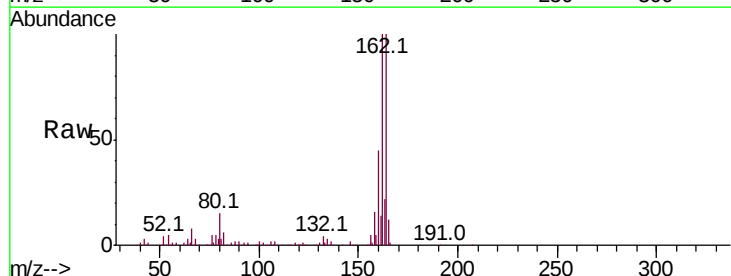
Instrument :
BNA_G
ClientSampleId :
PB123649TB

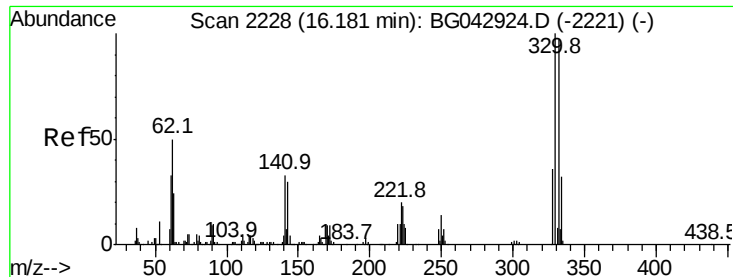
Tot Ion	82	Resp	447090
Ion	Ratio	Lower	Upper
82	100		
128	41.7	29.5	44.3
54	52.8	44.6	67.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG043053.D
Acq: 5 Oct 2019 13:38

Tgt Ion	164	Resp	157262
Ion	Ratio	Lower	Upper
164	100		
162	100.1	78.5	117.7
160	45.4	35.9	53.9

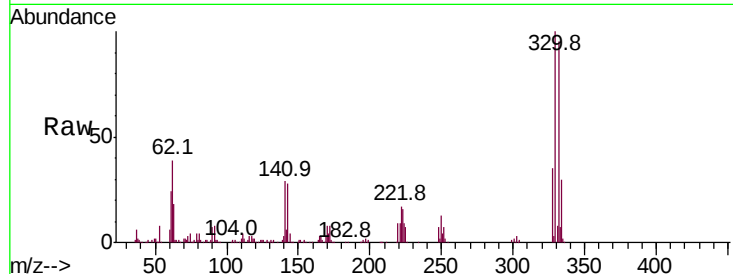




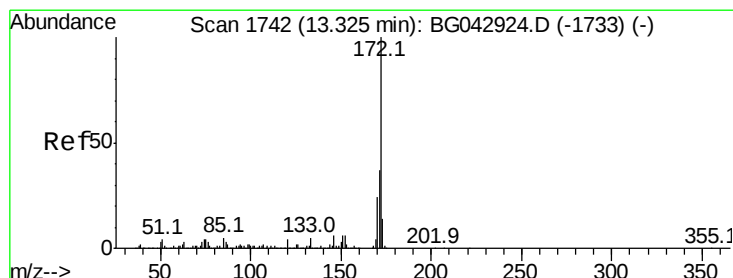
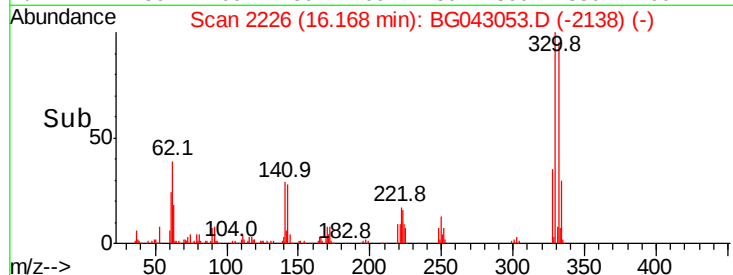
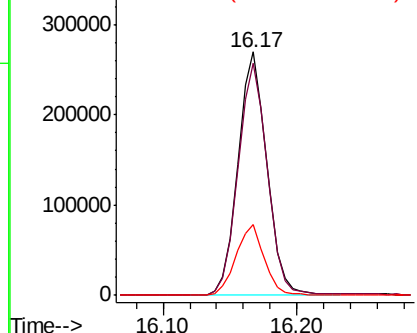
#42
 2,4,6-Tribromophenol
 Concen: 149.953 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG043053.D
 Acq: 5 Oct 2019 13:38

Instrument :
 BNA_G
 ClientSampleId :
 PB123649TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.2
141	28.8	26.0	39.0

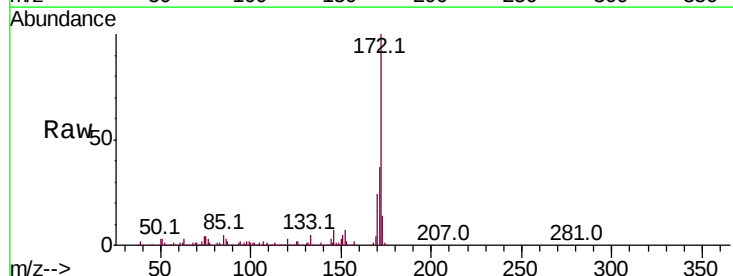


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

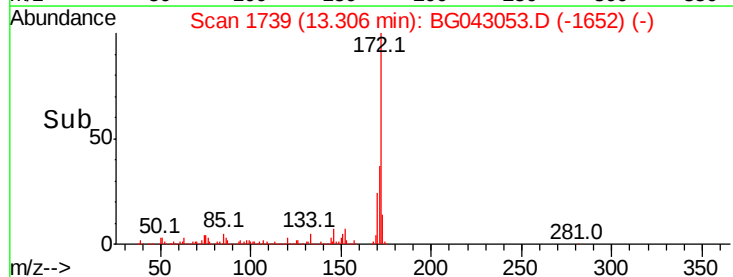
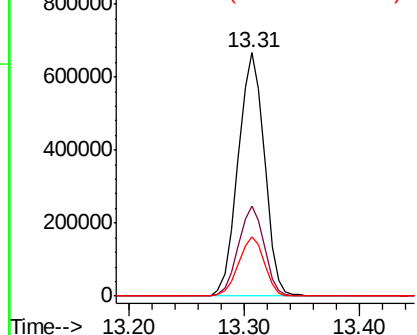


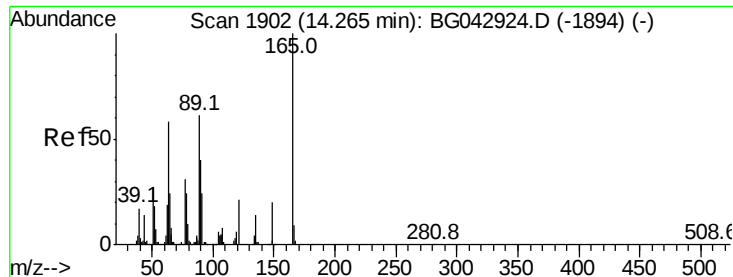
#45
 2-Fluorobiphenyl
 Concen: 97.107 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG043053.D
 Acq: 5 Oct 2019 13:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.4	19.6	29.4



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





#51

2,6-Dinitrotoluene

Concen: 8.138 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.42 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Instrument :

BNA_G

ClientSampleId :

PB123649TB

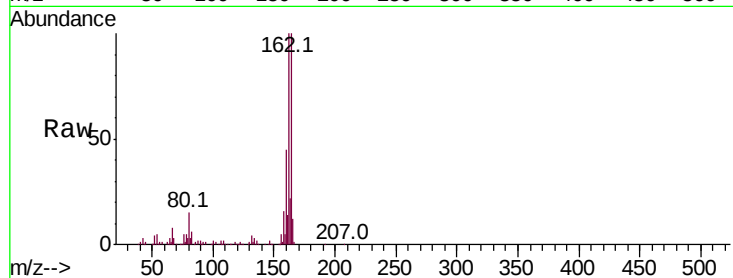
Tot Ion:165 Resp: 20420

Ion Ratio Lower Upper

165 100

63 1.8 50.3 75.5#

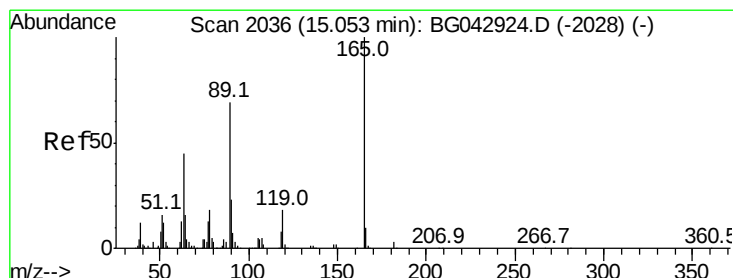
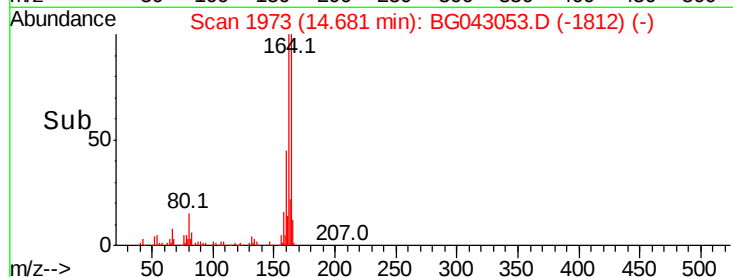
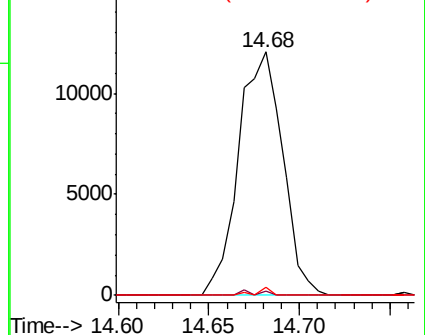
89 3.4 48.9 73.3#



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: 5.557 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Tgt Ion:165 Resp: 20420

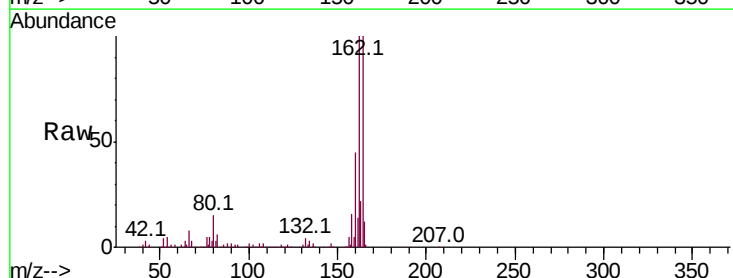
Ion Ratio Lower Upper

165 100

63 1.8 36.5 54.7#

89 3.4 55.5 83.3#

182 0.0 2.4 3.6#

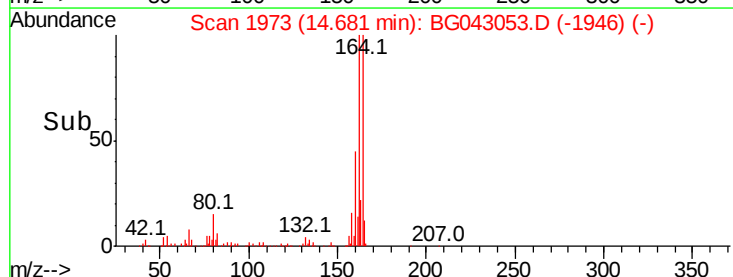
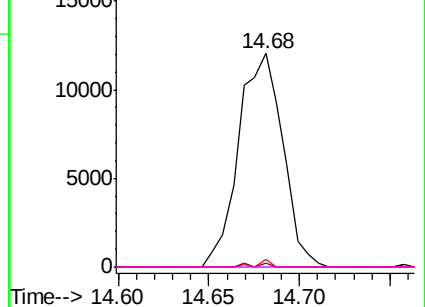


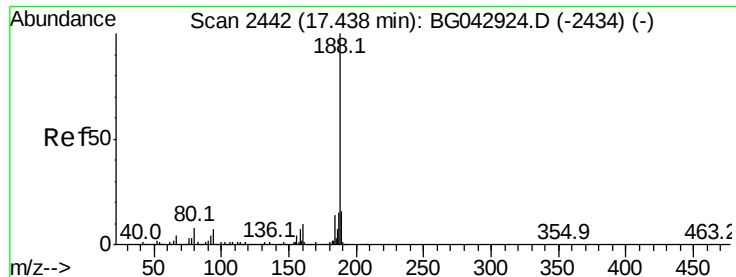
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Instrument :

BNA_G

ClientSampleId :

PB123649TB

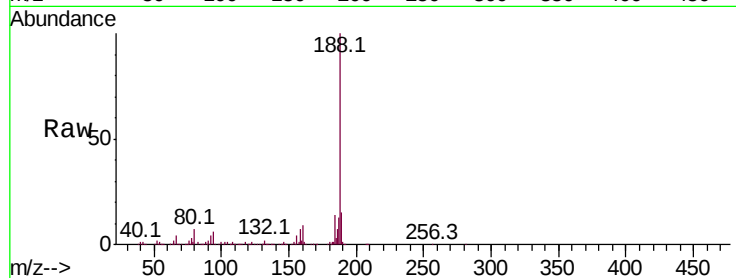
Tot Ion:188 Resp: 375169

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5#

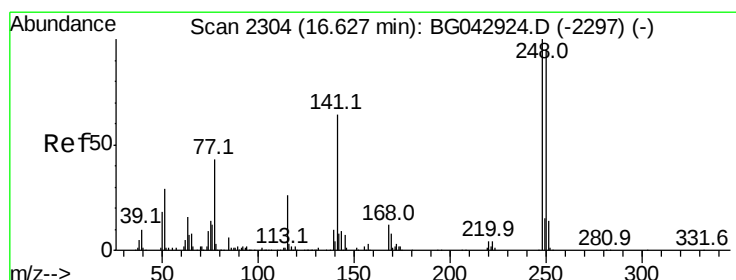
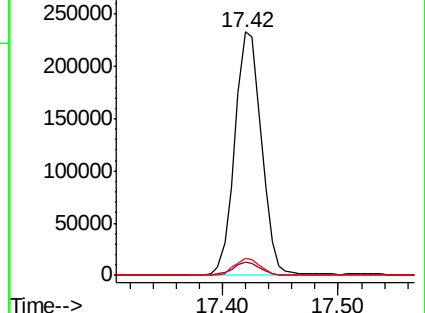
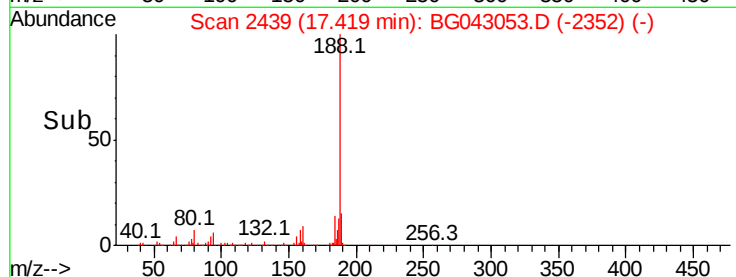
80 7.2 6.5 9.7



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: 5.870 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

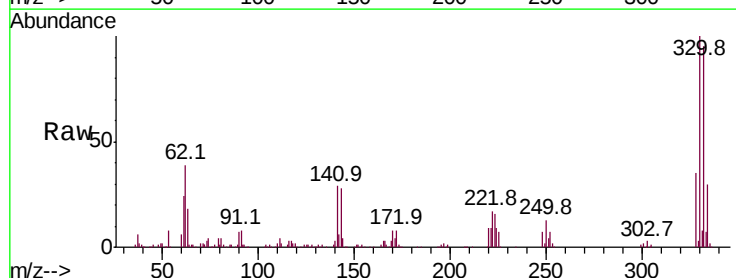
Tgt Ion:248 Resp: 27638

Ion Ratio Lower Upper

248 100

250 191.5 75.8 113.8#

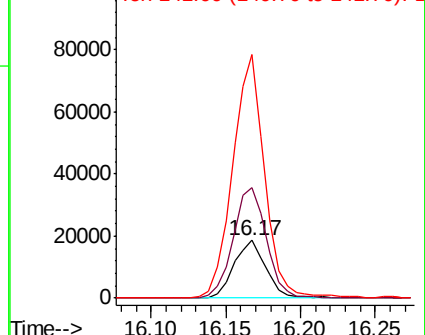
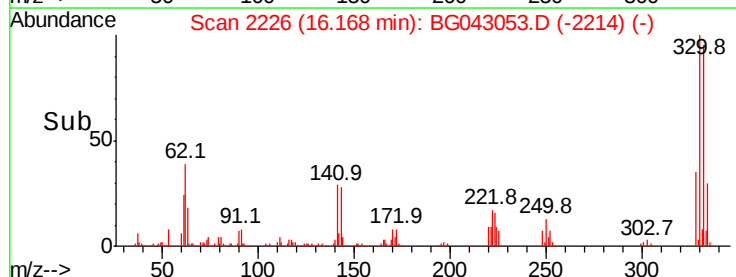
141 420.3 51.1 76.7#

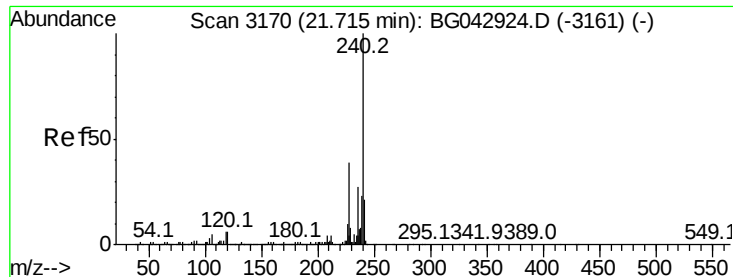


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Instrument :

BNA_G

ClientSampleId :

PB123649TB

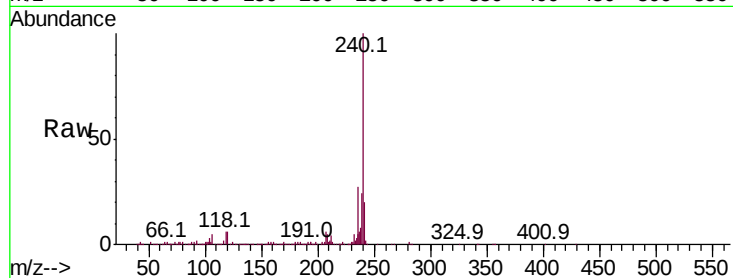
Tot Ion:240 Resp: 411969

Ion Ratio Lower Upper

240 100

120 5.7 4.8 7.2

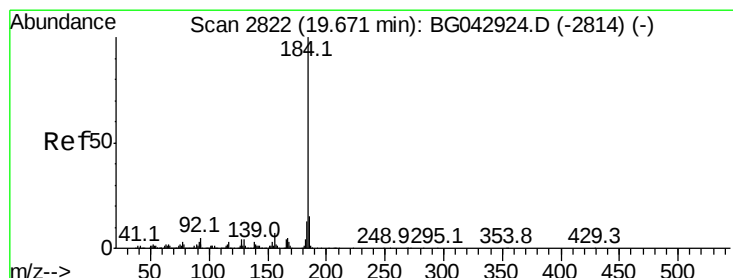
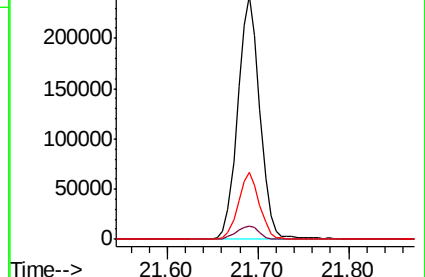
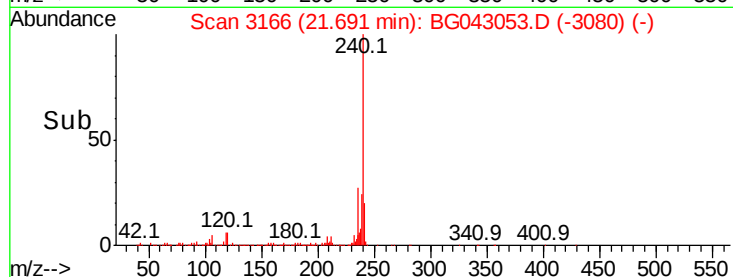
236 27.4 21.4 32.0



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: 3.347 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

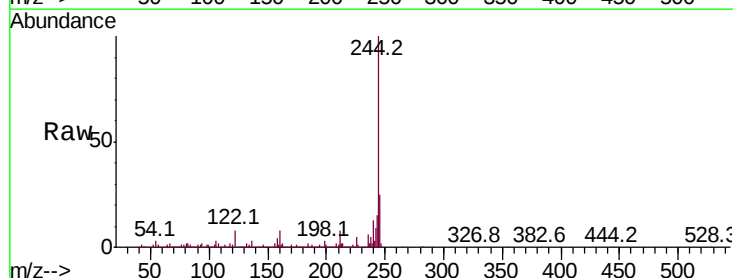
Tgt Ion:184 Resp: 34522

Ion Ratio Lower Upper

184 100

185 19.1 11.8 17.8#

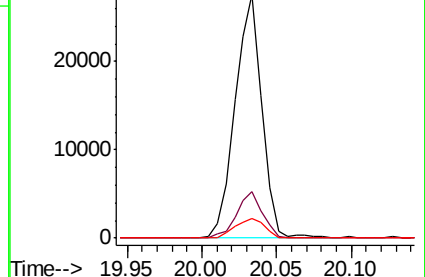
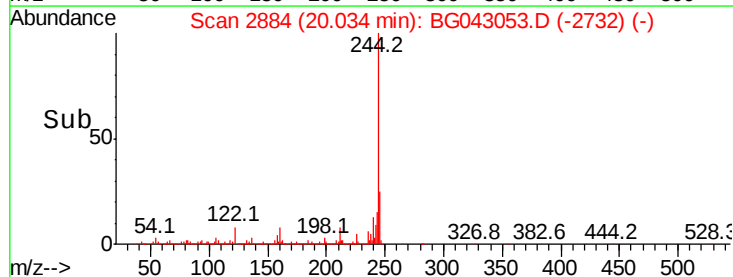
183 8.3 10.1 15.1#

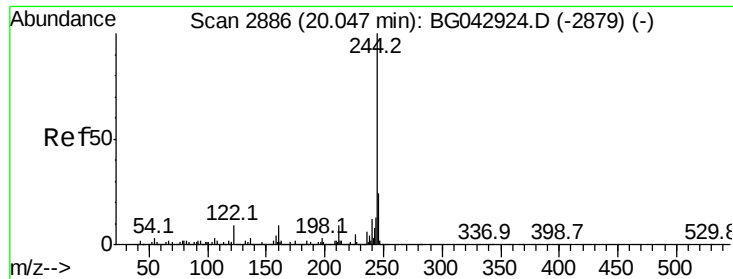


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.399 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

Instrument :

BNA_G

ClientSampleId :

PB123649TB

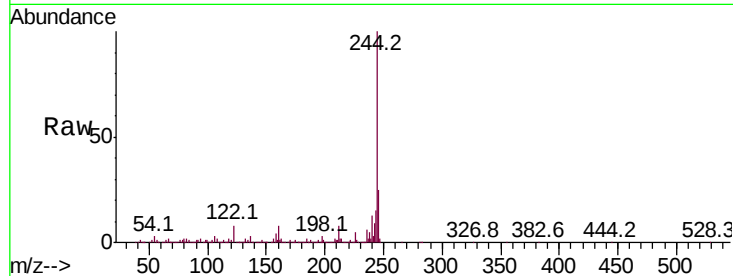
Tot Ion:244 Resp: 2057046

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.0

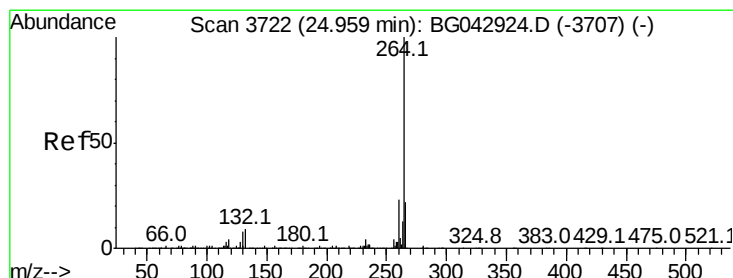
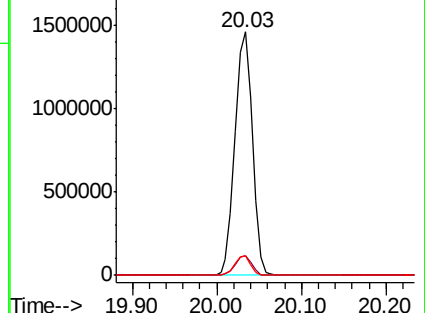
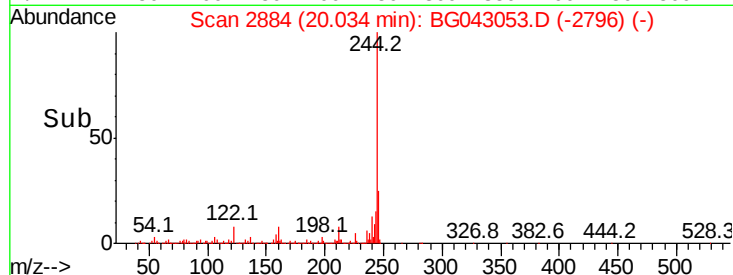
122 7.9 7.0 10.4



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: 24.90 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043053.D

Acq: 5 Oct 2019 13:38

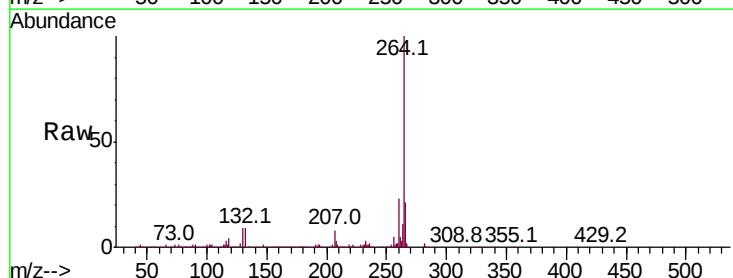
Tgt Ion:264 Resp: 463270

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

265 21.0 17.7 26.5



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

