

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042653.D
 Acq On : 1 Sep 2019 4:42
 Operator : HP/JU
 Sample : K4547-24
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 05:46:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

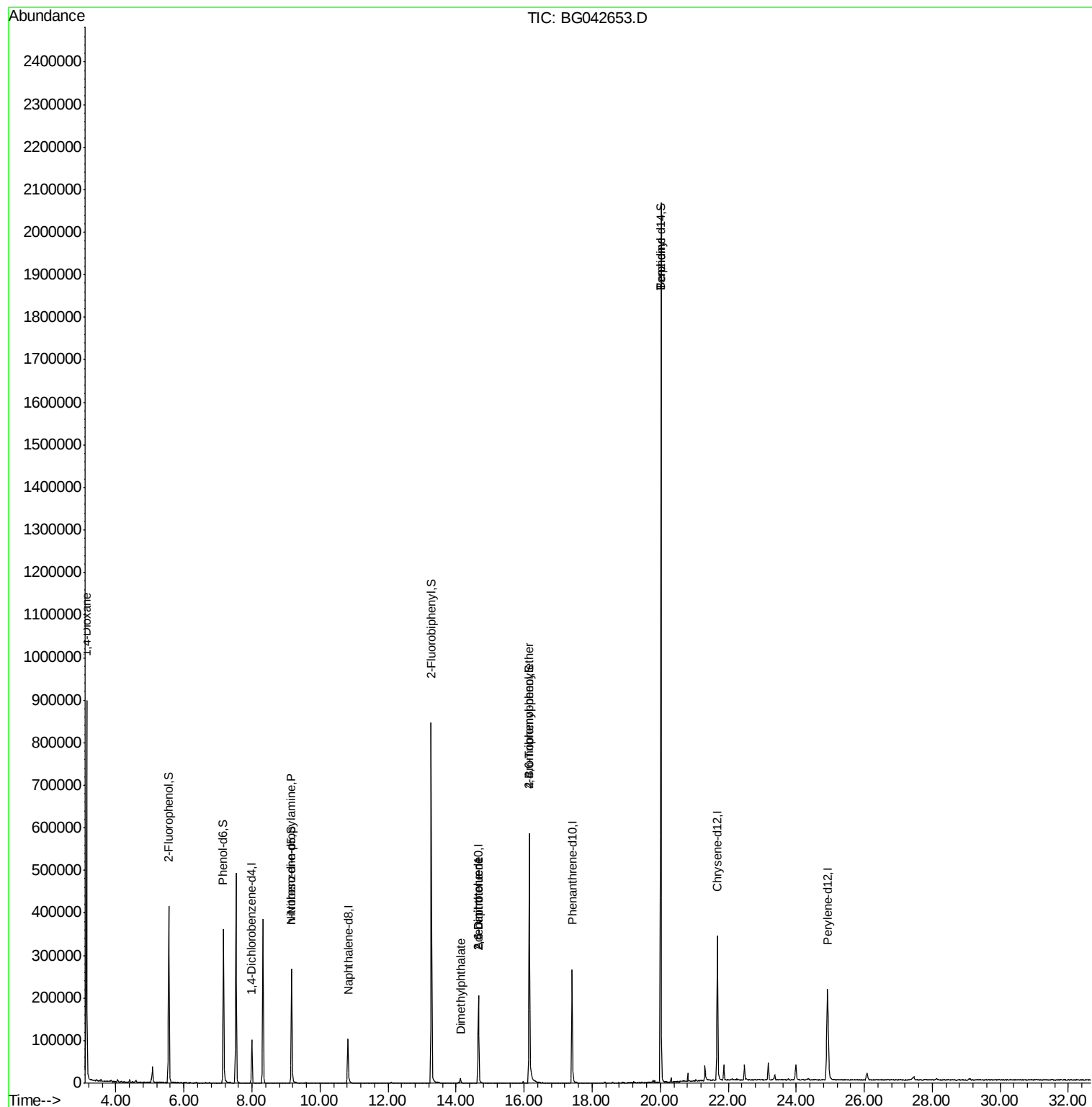
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	33358	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	123548	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	90058	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	217276	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	243021	20.00	ng	-0.02
87) Perylene-d12	24.91	264	279262	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	209749	127.35	ng	0.00
7) Phenol-d6	7.16	99	242817	109.14	ng	-0.01
23) Nitrobenzene-d5	9.16	82	174668	97.70	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	181922	142.12	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	543196	102.01	ng	-0.01
79) Terphenyl-d14	20.02	244	1135185	100.99	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	9543	13.884	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	23107	16.031	ng	# 75
50) Dimethylphthalate	14.12	163	14440	2.222	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	11453	7.604	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11453	5.310	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12510	4.539	ng	# 1
77) Benzidine	20.01	184	14042	2.015	ng	# 91

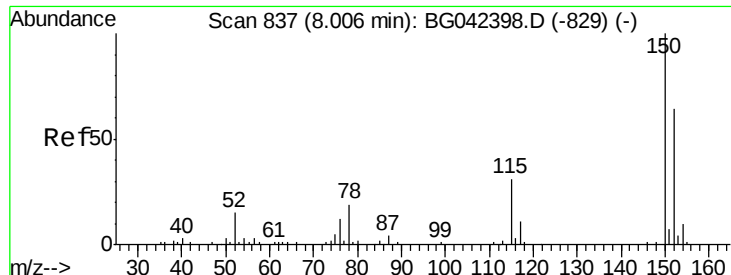
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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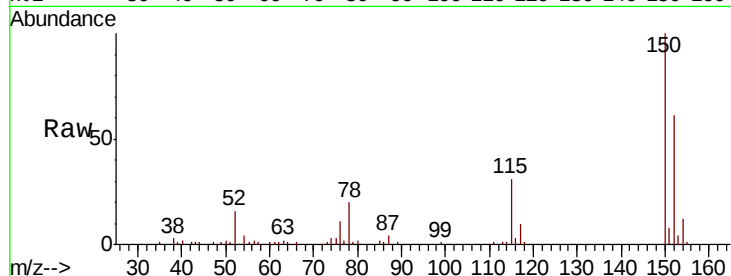


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042653.D
Acq: 1 Sep 2019 4:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	125.4	188.0
115	51.1	38.5	57.7

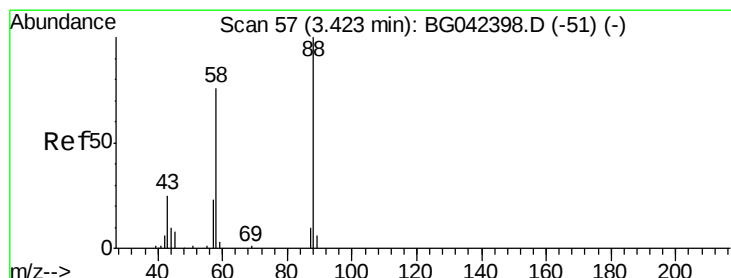
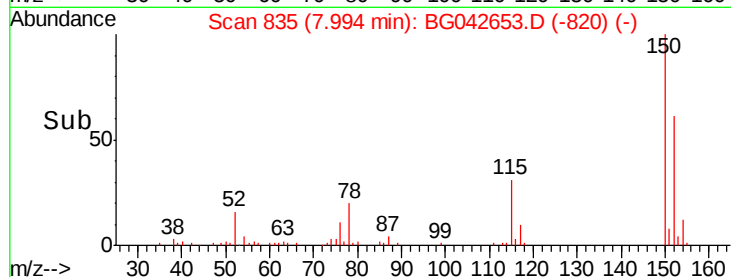
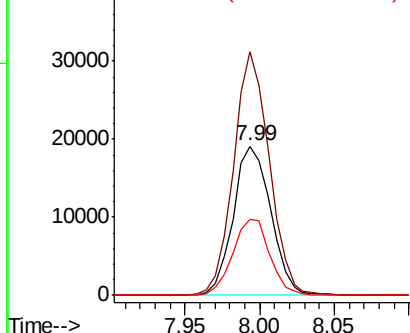


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

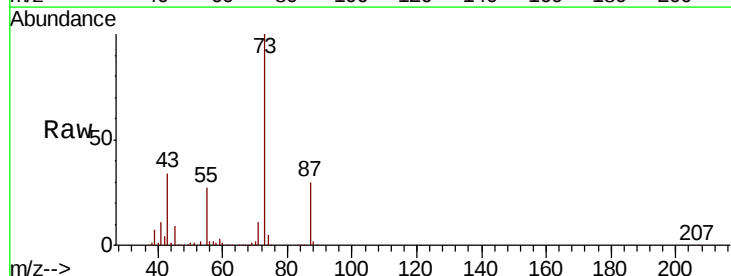
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 13.884 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042653.D
Acq: 1 Sep 2019 4:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.3	58.3	87.5#
43	1984.6	20.2	30.2#

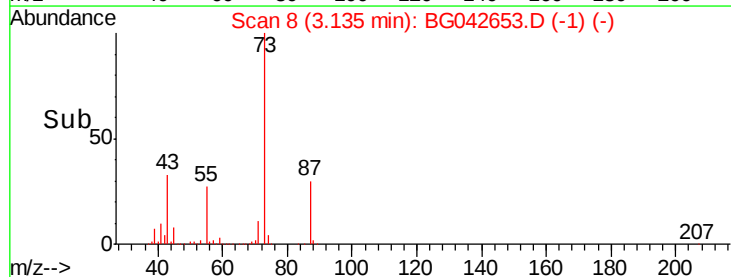
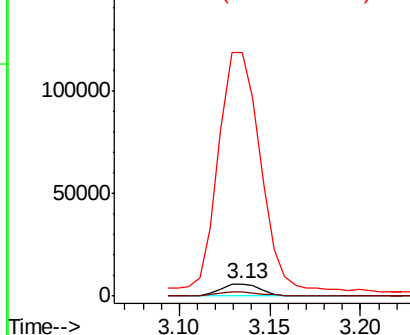


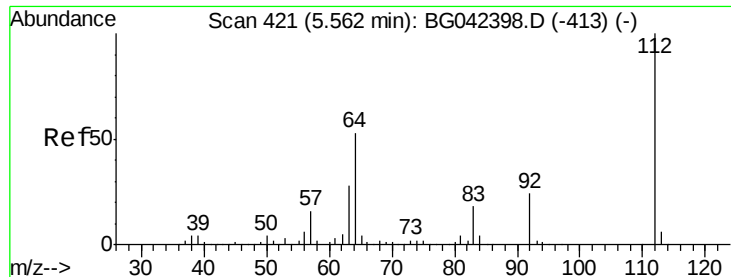
Abundance

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: 127.347 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

Instrument :

BNA_G

ClientSampled :

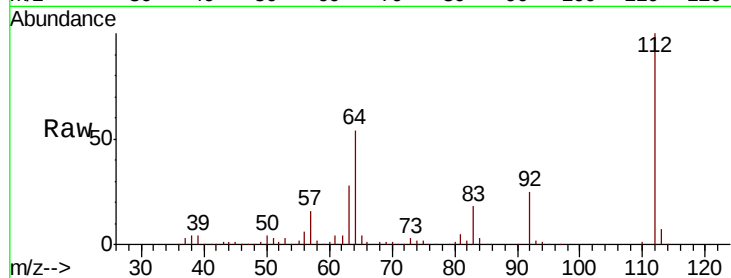
Tot Ion: 112 Resp: 209749

Ion Ratio Lower Upper

112 100

64 53.5 42.8 64.2

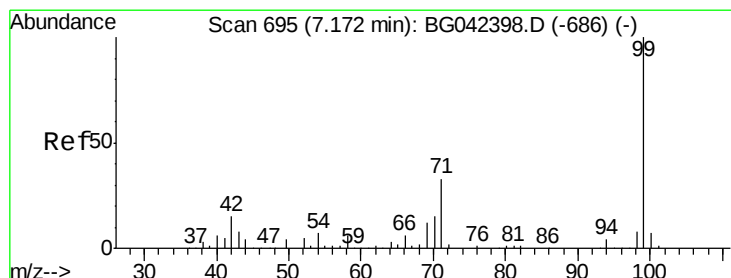
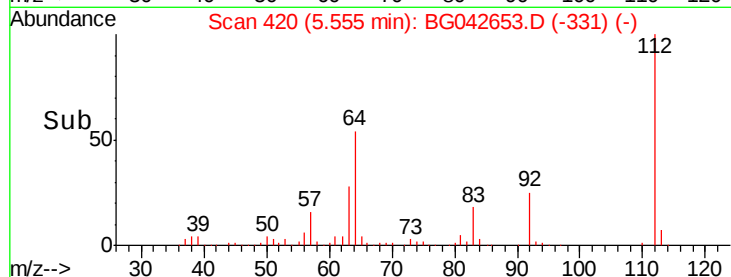
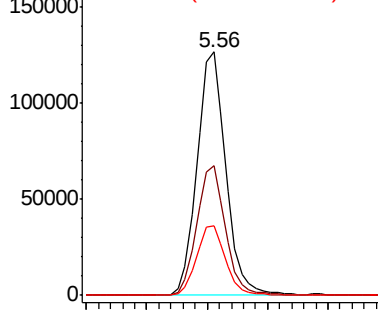
63 28.4 22.7 34.1



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: 109.140 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

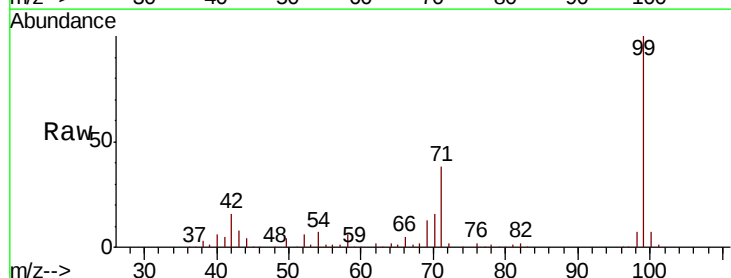
Tgt Ion: 99 Resp: 242817

Ion Ratio Lower Upper

99 100

42 15.5 12.0 18.0

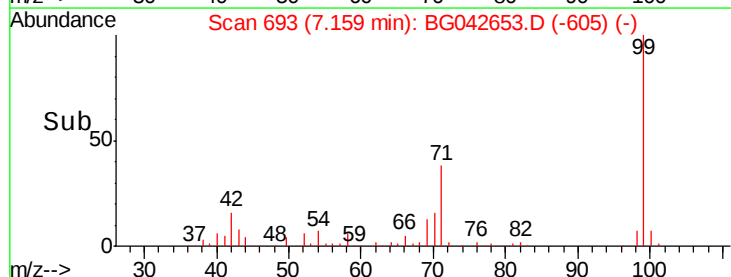
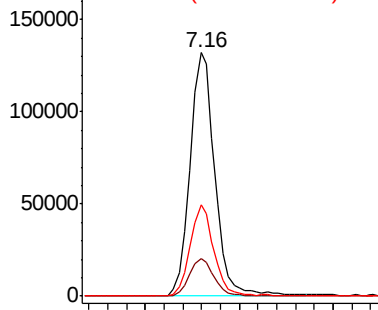
71 37.7 26.3 39.5

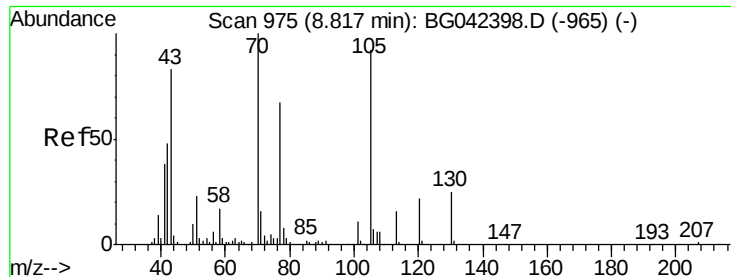


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 16.031 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 23107

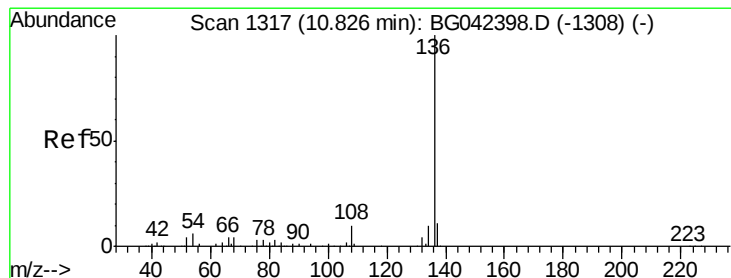
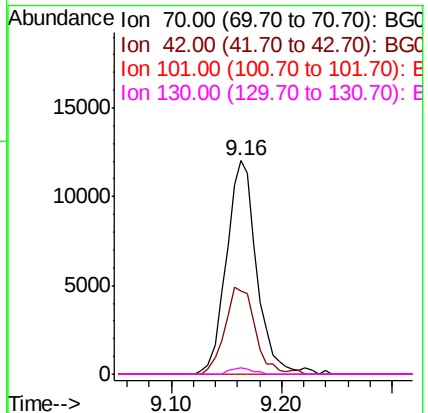
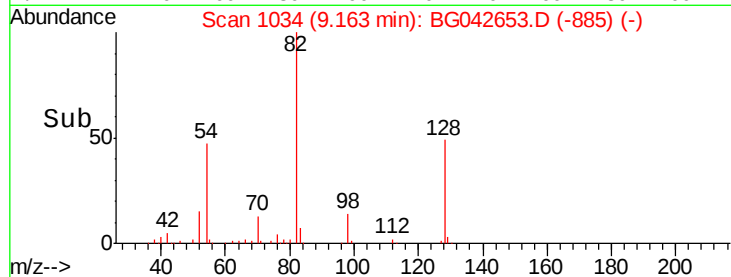
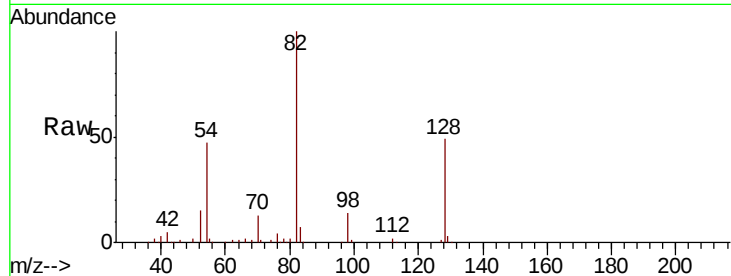
Ion Ratio Lower Upper

70 100

42 38.9 38.8 58.2

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

Tgt Ion: 136 Resp: 123548

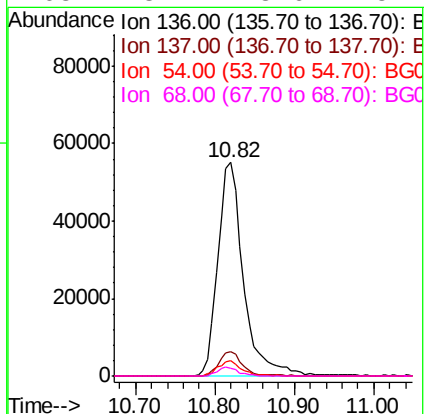
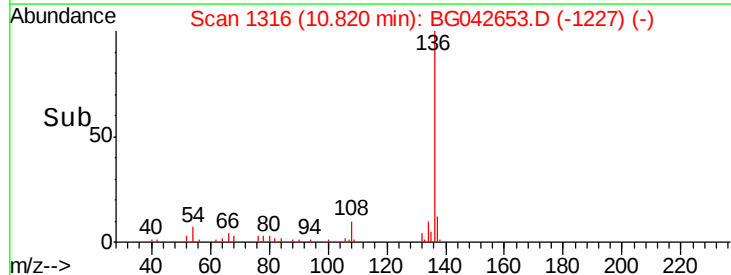
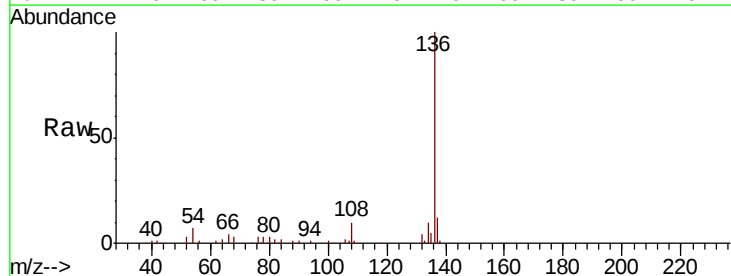
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 7.2 4.9 7.3

68 3.4 3.6 5.4#

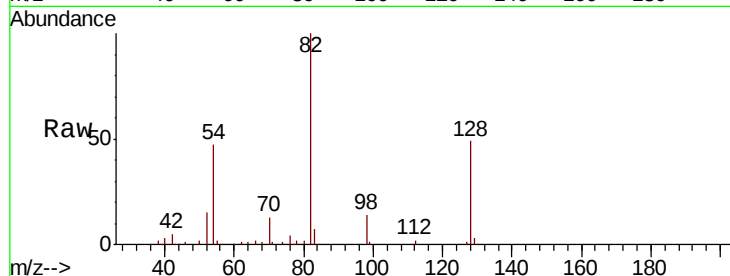




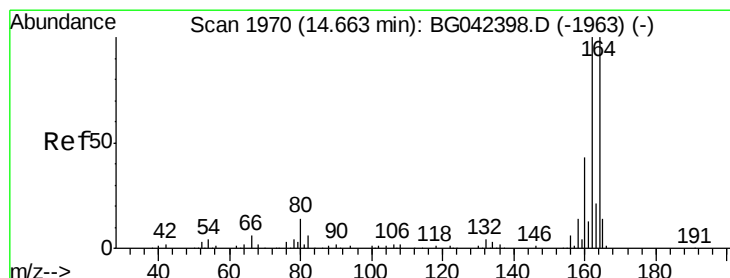
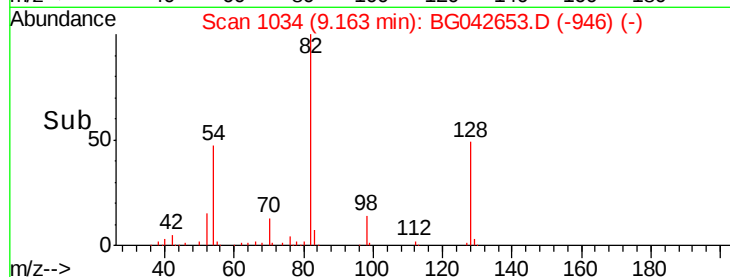
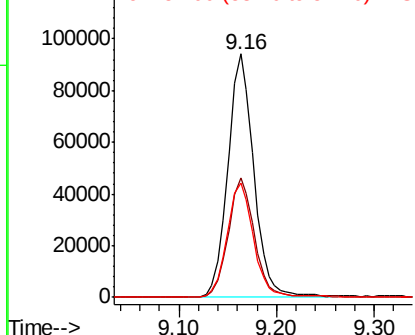
#23
Nitrobenzene-d5
Concen: 97.697 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042653.D
Acq: 1 Sep 2019 4:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 174668
Ion Ratio Lower Upper
82 100
128 49.0 40.7 61.1
54 47.0 36.3 54.5

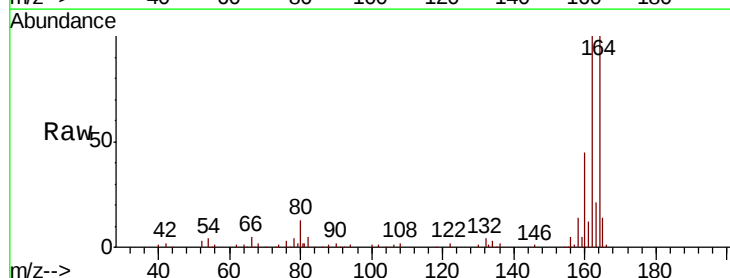


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

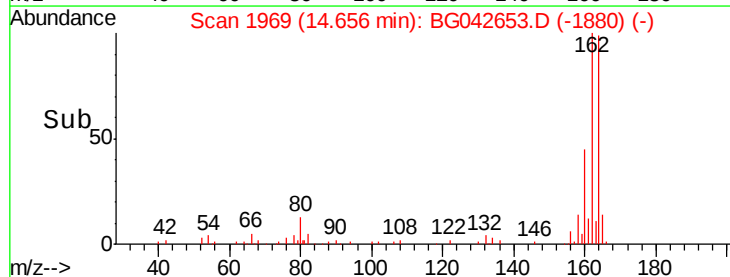
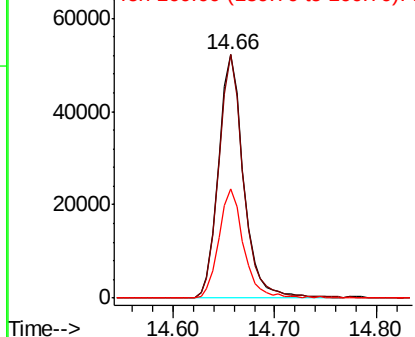


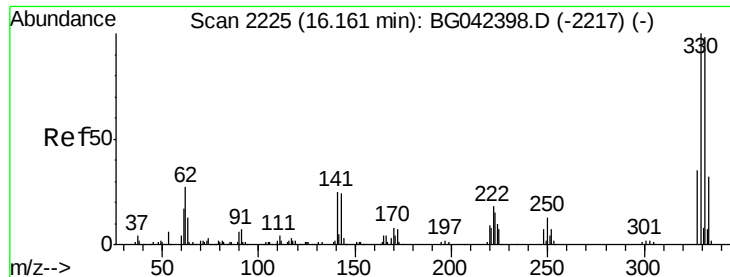
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042653.D
Acq: 1 Sep 2019 4:42

Tgt Ion:164 Resp: 90058
Ion Ratio Lower Upper
164 100
162 100.1 79.9 119.9
160 44.9 34.3 51.5



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

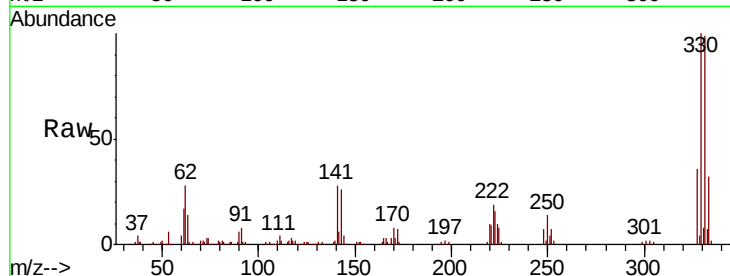




#42
 2,4,6-Tribromophenol
 Concen: 142.124 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	332	141
Resp:	181922		
Ion Ratio	100	97.3	26.8
Lower		77.4	21.4
Upper		116.0	32.0

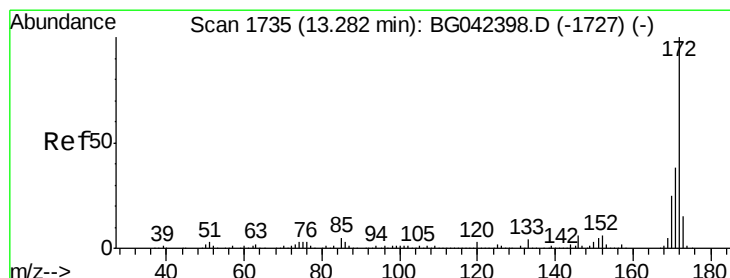
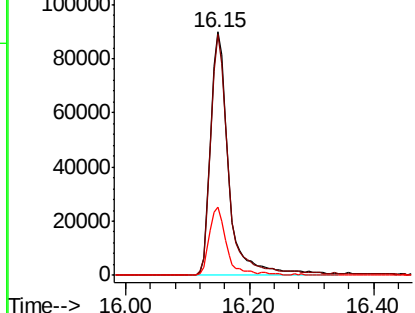
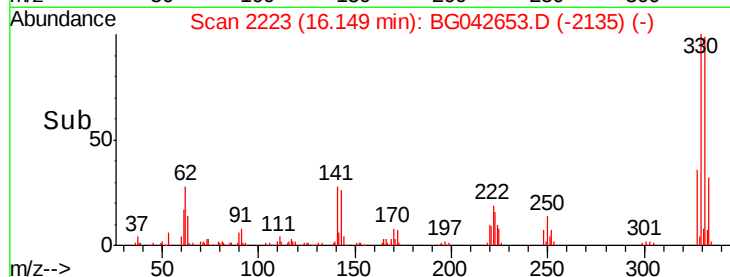


Abundance

Ion 329.80 (329.50 to 330.50): E

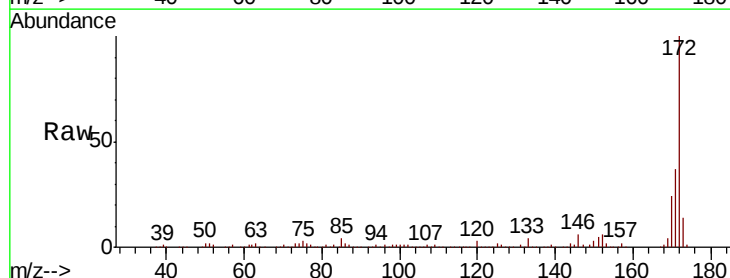
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.012 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Tgt Ion	172	171	170
Resp:	543196		
Ion Ratio	100	36.7	23.5
Lower		30.5	20.2
Upper		45.7	30.2

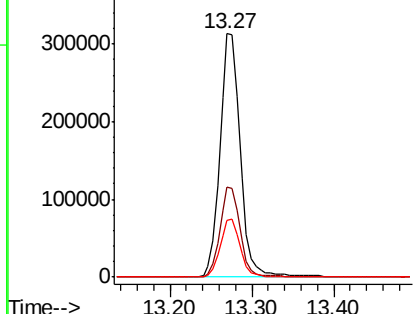
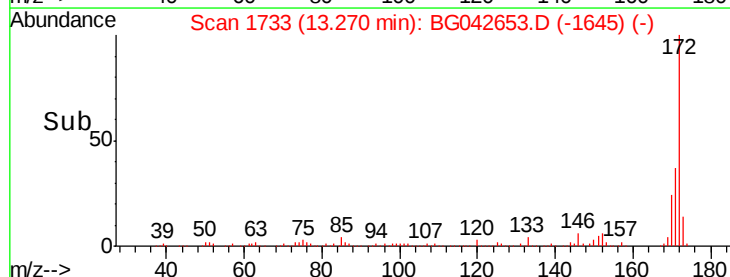


Abundance

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: 2.222 ng

RT: 14.12 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

Instrument :

BNA_G

ClientSampleId :

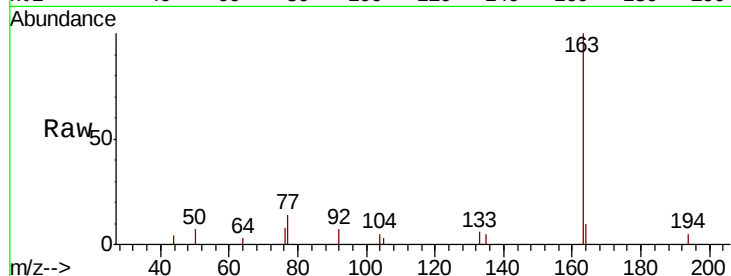
Tot Ion:163 Resp: 14440

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

164 10.4 8.8 13.2

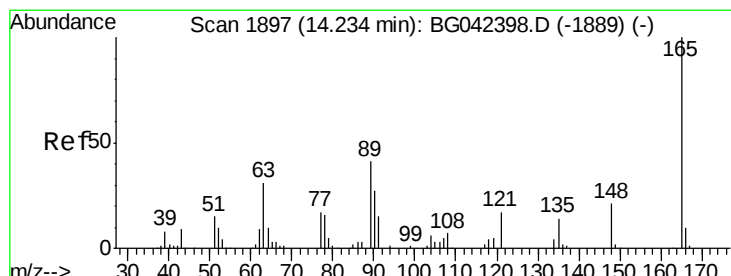
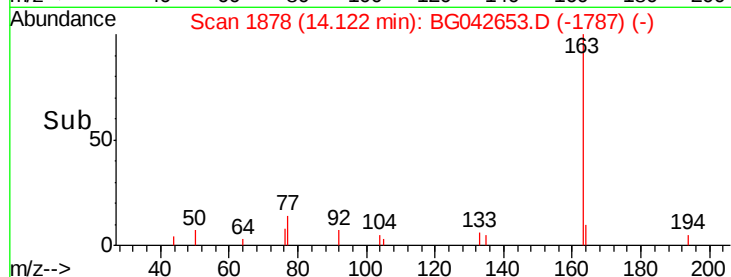
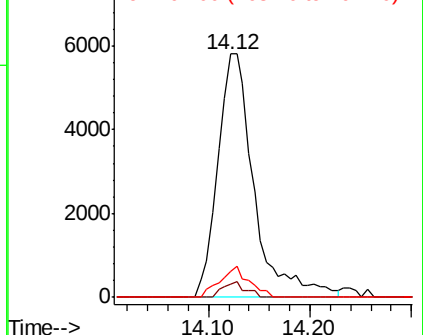


Abundance

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: 7.604 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

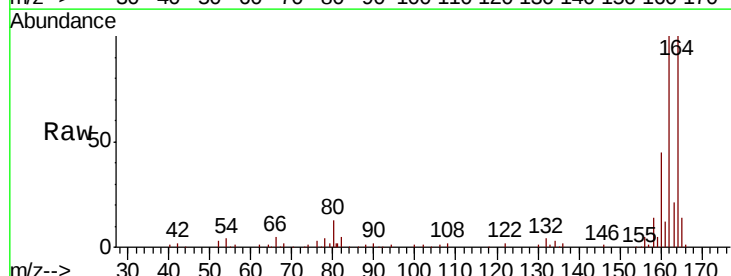
Tgt Ion:165 Resp: 11453

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 32.6 49.0#

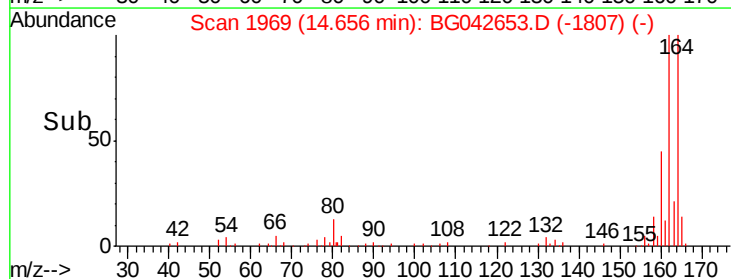
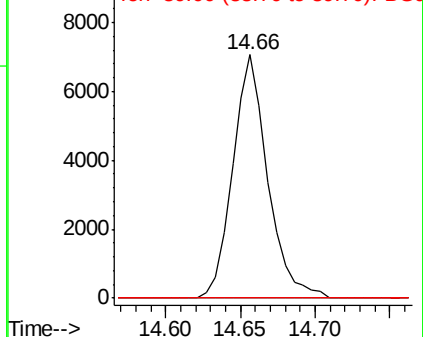


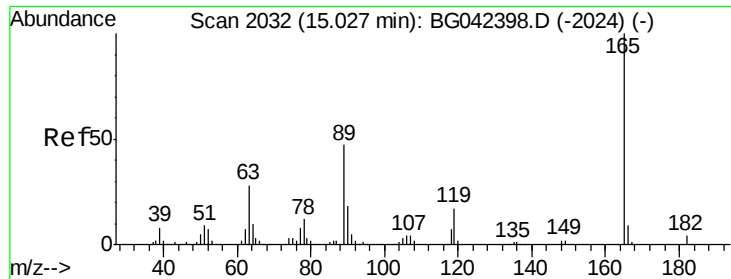
Abundance

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

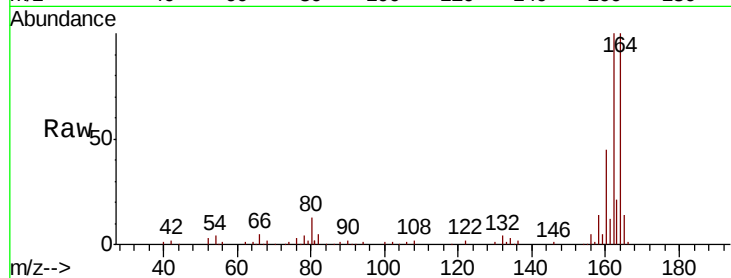




#57
 2,4-Dinitrotoluene
 Concen: 5.310 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

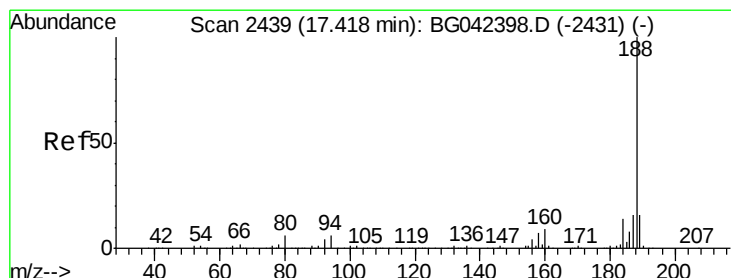
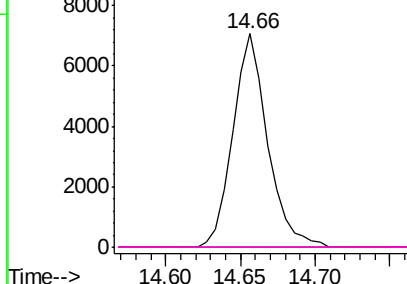
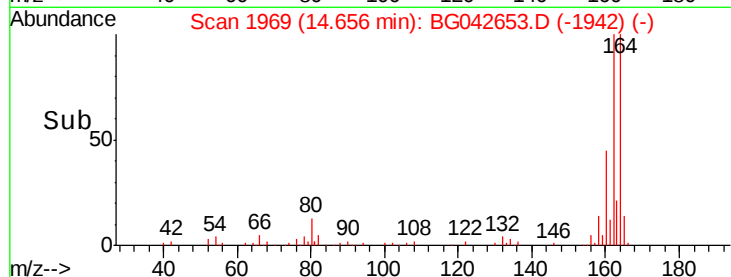


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

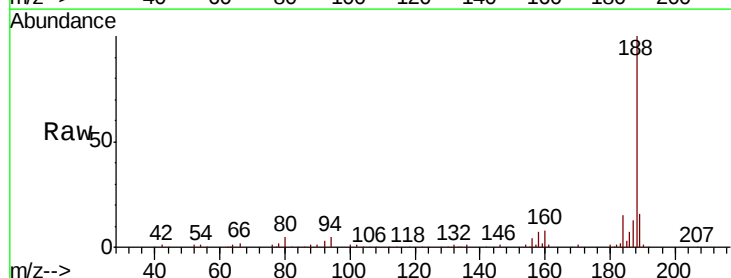
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

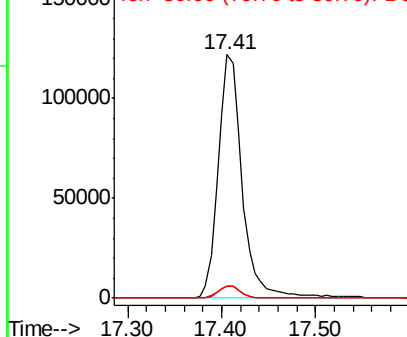
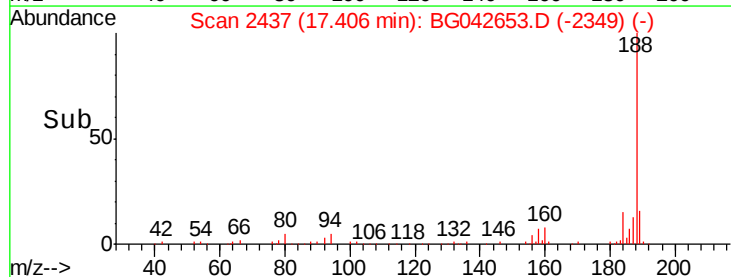
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.5	6.7
80	4.8	4.9	7.3#

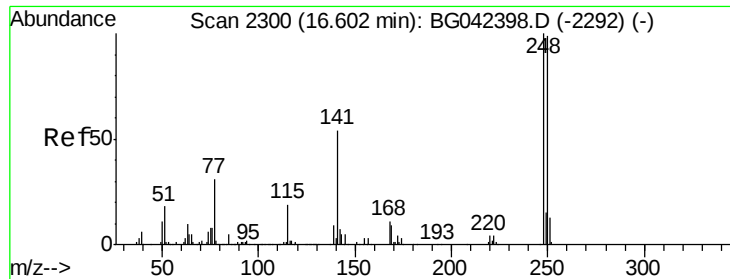


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

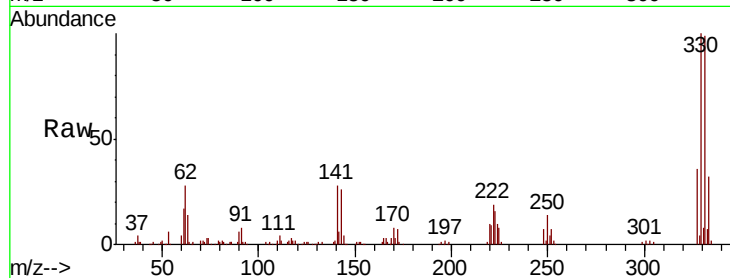




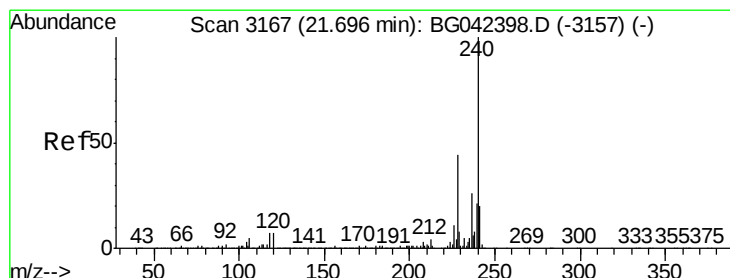
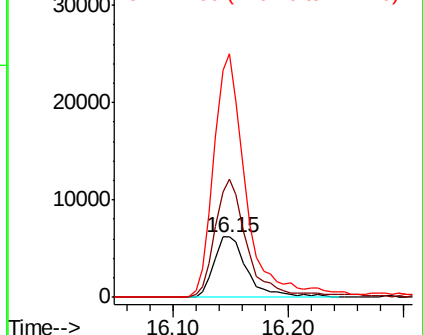
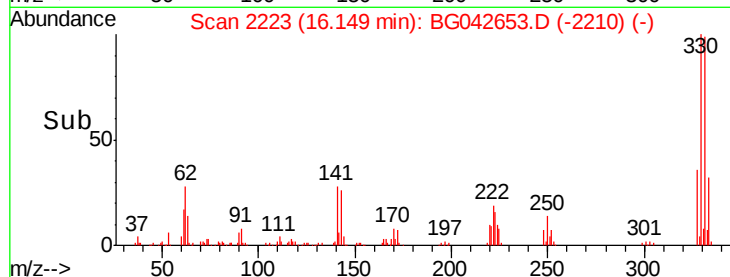
#67
 4-Bromophenyl-phenylether
 Concen: 4.539 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12510
 Ion Ratio Lower Upper
 248 100
 250 195.5 78.9 118.3#
 141 402.5 43.3 64.9#

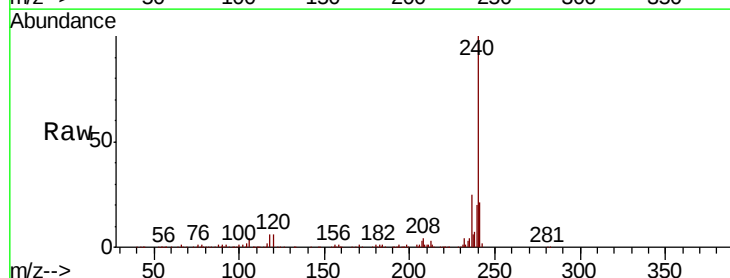


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

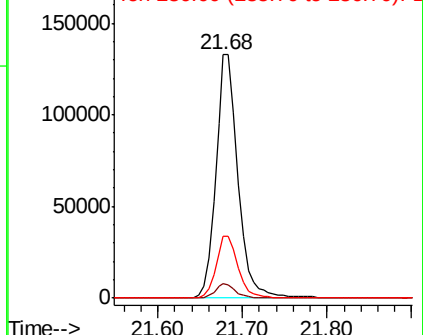
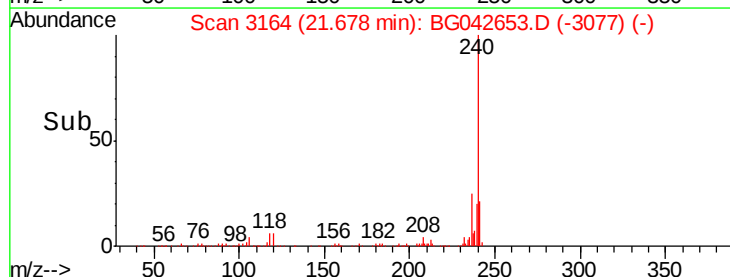


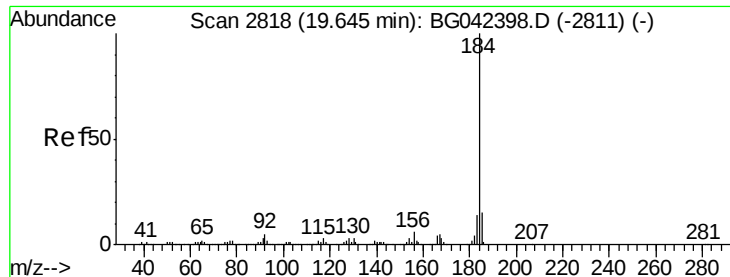
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Tgt Ion:240 Resp: 243021
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.7 8.5
 236 25.5 21.0 31.4



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: 2.015 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.37 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

Instrument :

BNA_G

ClientSampleId :

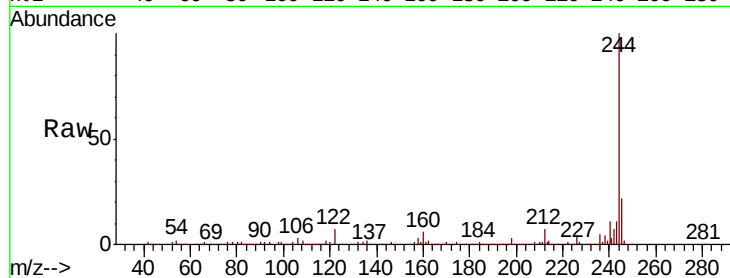
Tot Ion:184 Resp: 14042

Ion Ratio Lower Upper

184 100

185 18.1 12.2 18.4

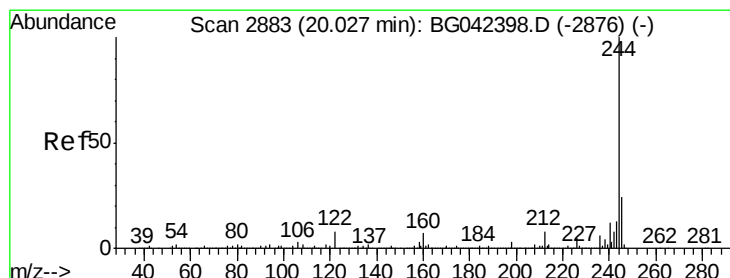
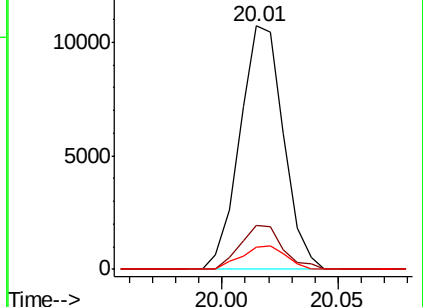
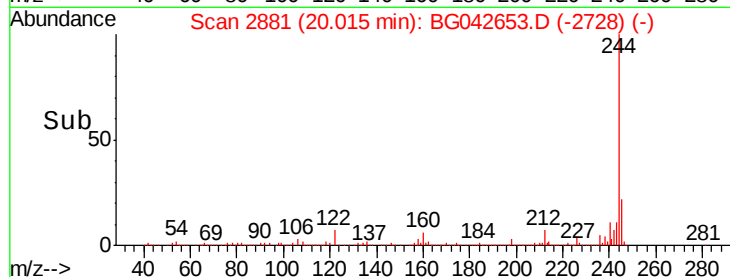
183 9.0 10.8 16.2#



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: 100.986 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042653.D

Acq: 1 Sep 2019 4:42

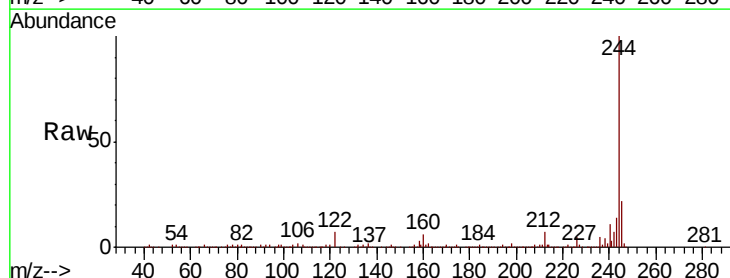
Tgt Ion:244 Resp: 1135185

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

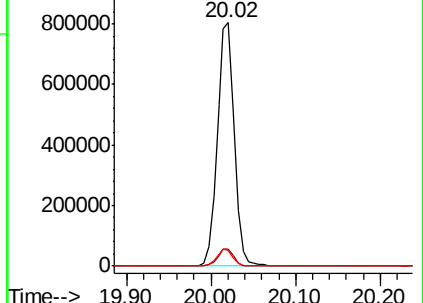
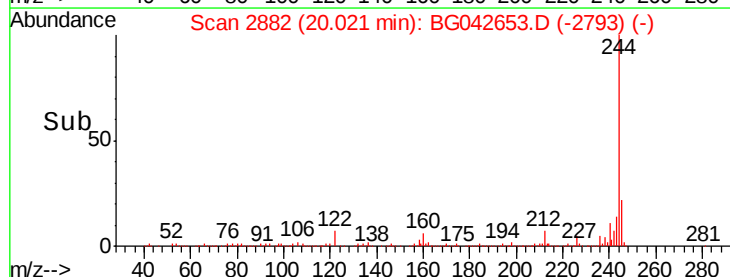
122 6.6 6.7 10.1#

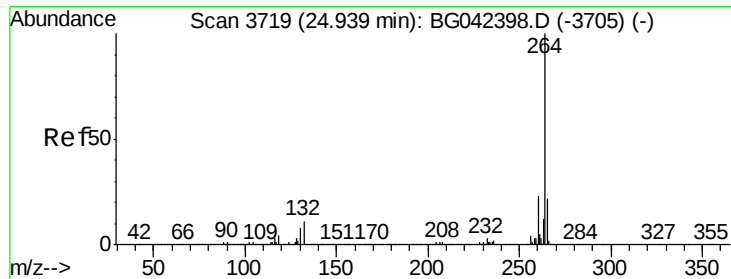


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.91 min Scan# 3715
 Delta R.T. -0.02 min
 Lab File: BG042653.D
 Acq: 1 Sep 2019 4:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	22.6	17.6	26.4

