

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
 Data File : BG039999.D
 Acq On : 19 Mar 2019 10:23
 Operator : JU/SJ
 Sample : K1687-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 11:17:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

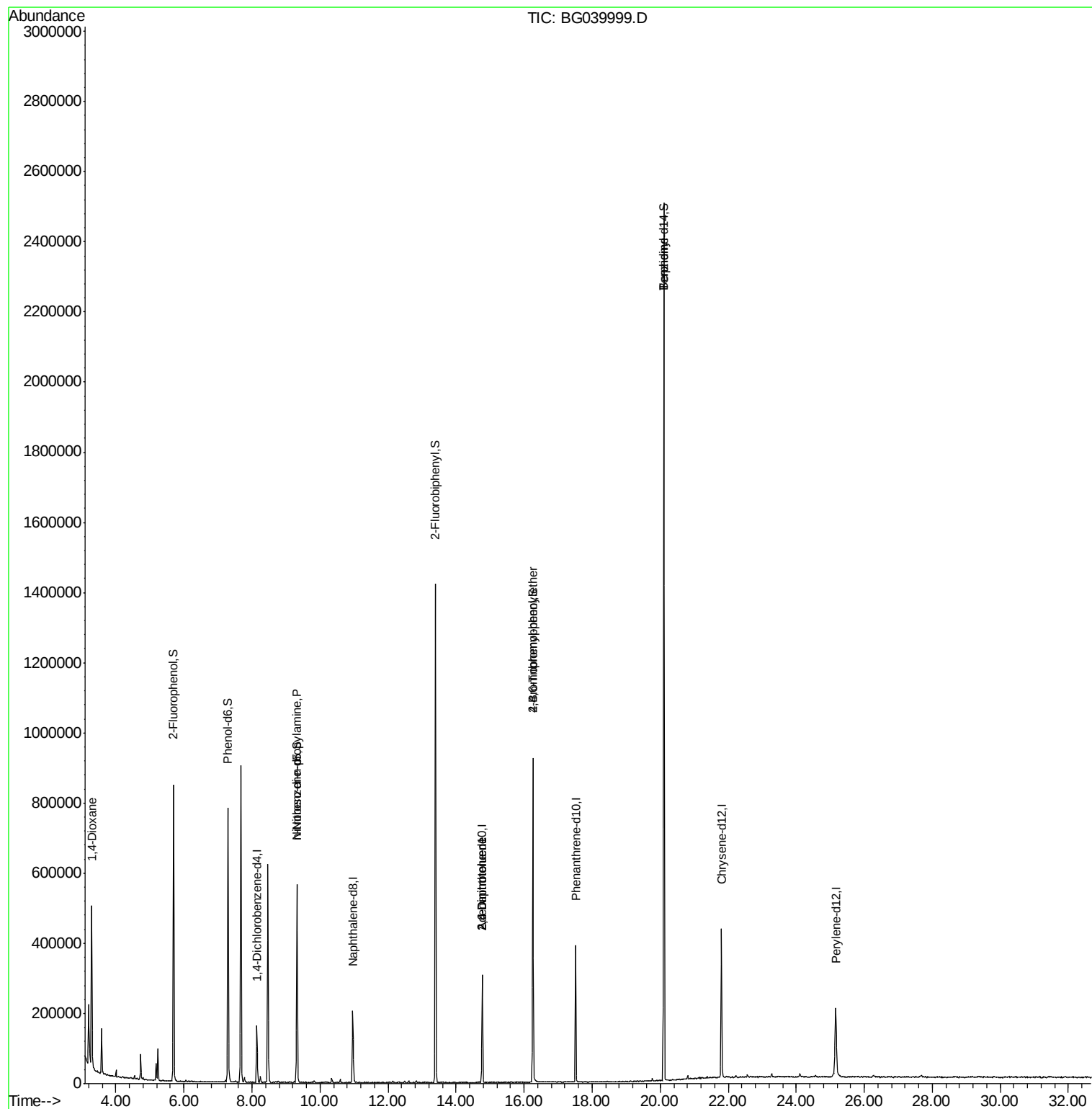
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43162	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	170895	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	105312	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	243967	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	265511	20.00	ng	-0.03
87) Perylene-d12	25.16	264	251590	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	341731	135.07	ng	-0.01
7) Phenol-d6	7.29	99	433245	114.85	ng	-0.02
23) Nitrobenzene-d5	9.32	82	339105	107.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	158928	129.47	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	737812	99.75	ng	-0.02
79) Terphenyl-d14	20.11	244	1172168	97.20	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	4487	3.842	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	44174	16.269	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	14411	7.719	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	14411	5.494	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	12299	4.504	ng	# 1
77) Benzidine	20.11	184	21895	2.599	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Instrument :

BNA_G

ClientSampled :

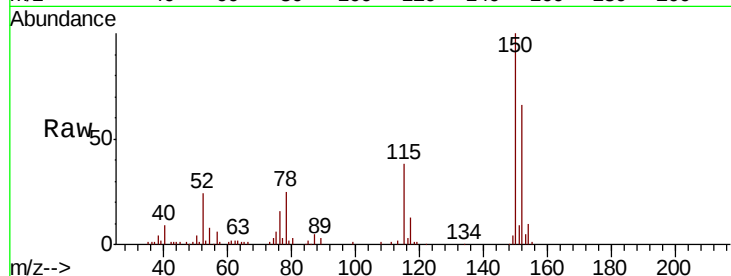
Tot Ion:152 Resp: 43162

Ion Ratio Lower Upper

152 100

150 152.4 123.7 185.5

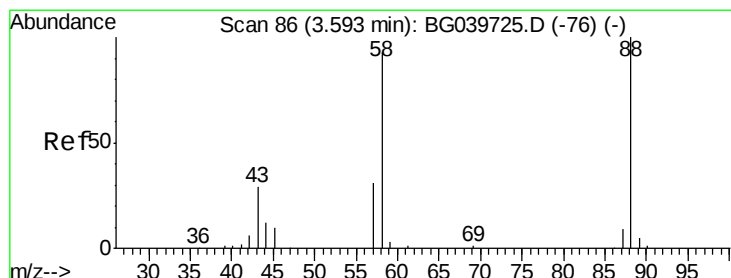
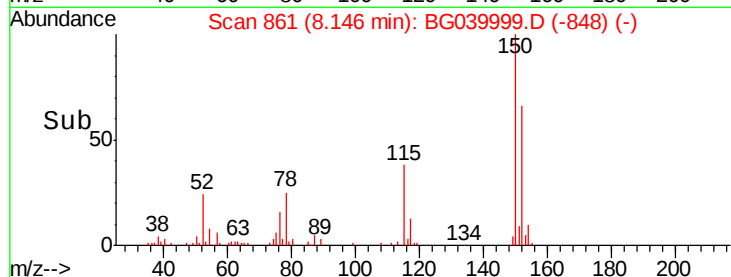
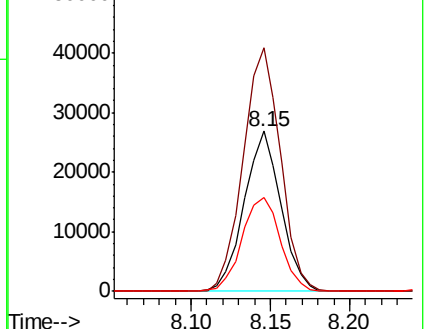
115 58.4 45.9 68.9



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: 3.842 ng

RT: 3.29 min Scan# 34

Delta R.T. -0.32 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

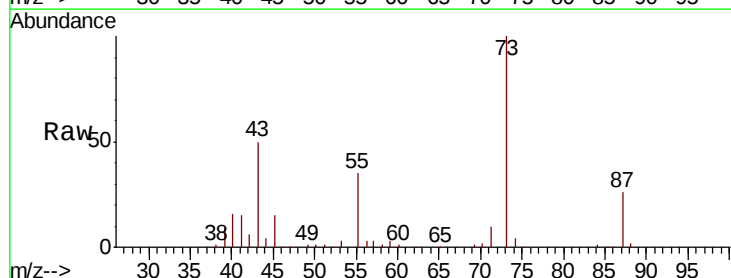
Tgt Ion: 88 Resp: 4487

Ion Ratio Lower Upper

88 100

58 39.4 81.1 121.7#

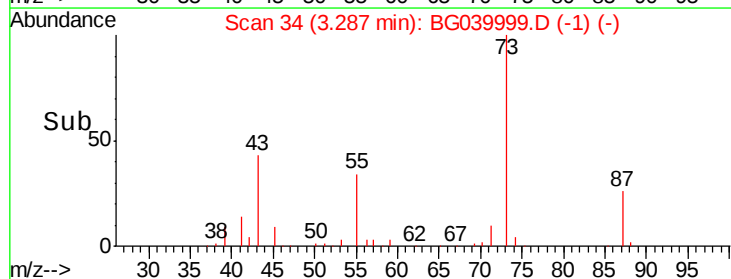
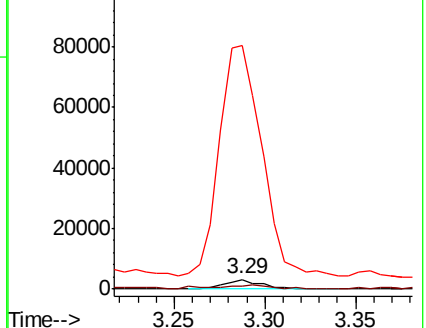
43 2829.0 31.4 47.0#

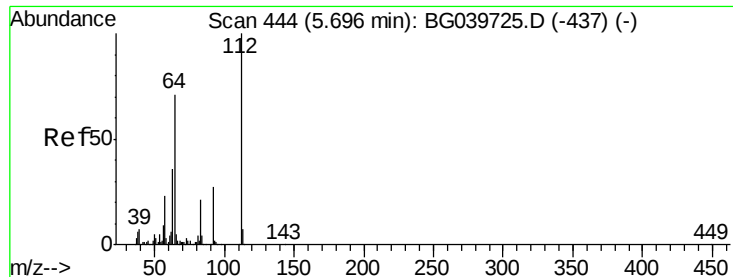


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.072 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Instrument :

BNA_G

ClientSampled :

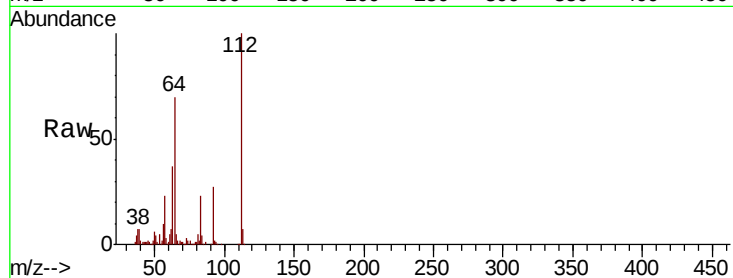
Tot Ion:112 Resp: 341731

Ion Ratio Lower Upper

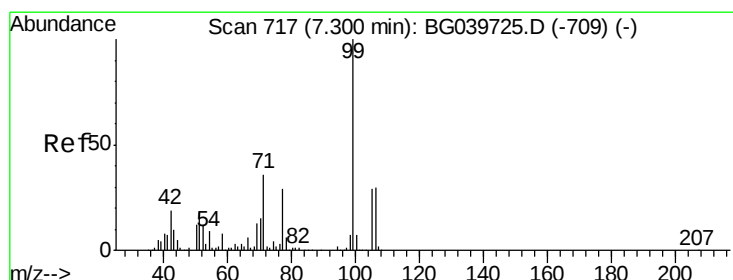
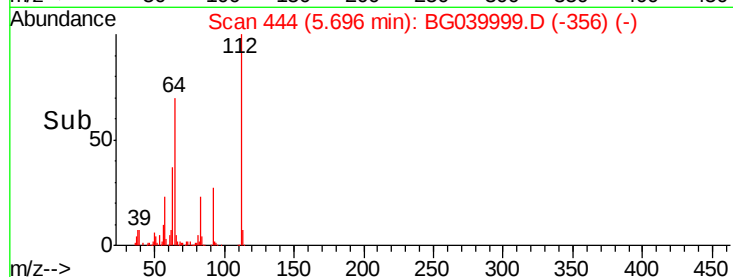
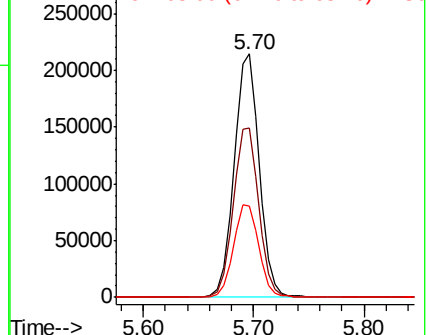
112 100

64 69.6 57.8 86.8

63 37.3 29.8 44.6



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: 114.847 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

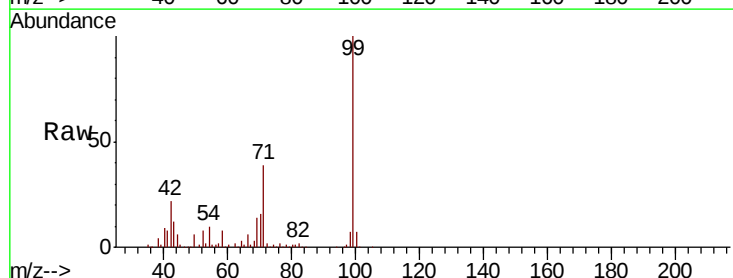
Tgt Ion: 99 Resp: 433245

Ion Ratio Lower Upper

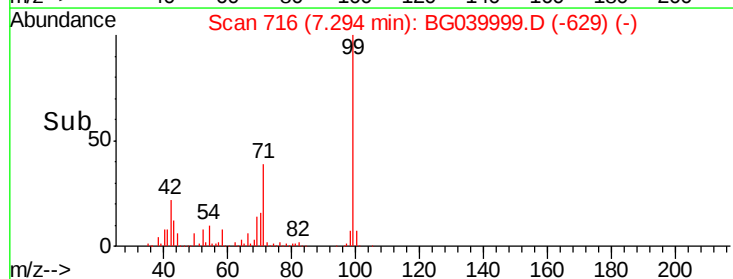
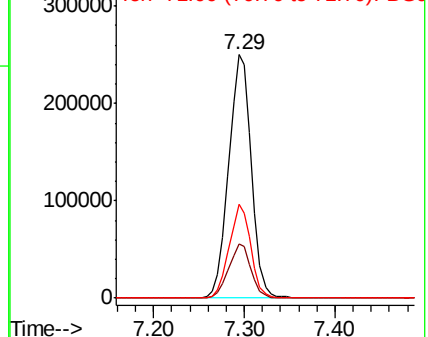
99 100

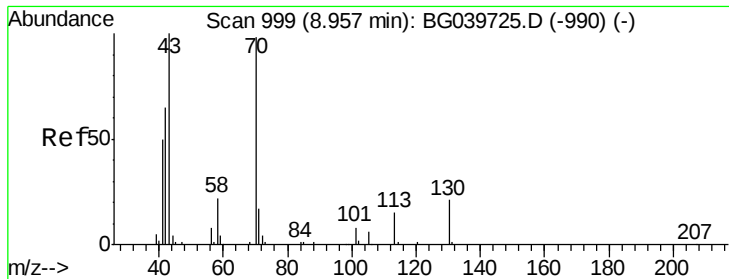
42 22.0 18.2 27.2

71 38.8 28.0 42.0



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

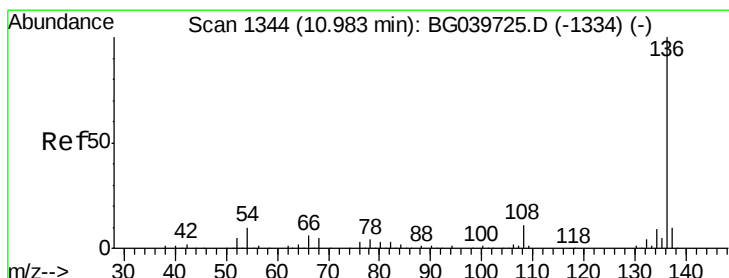
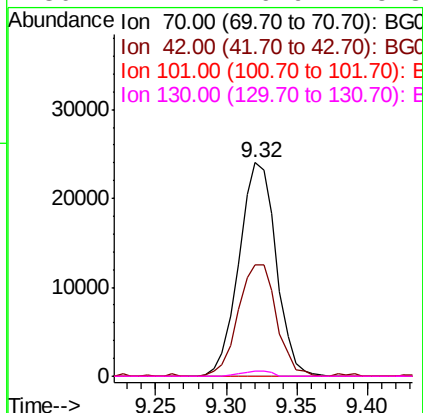
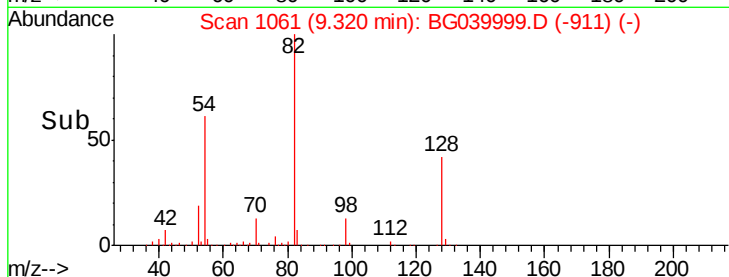
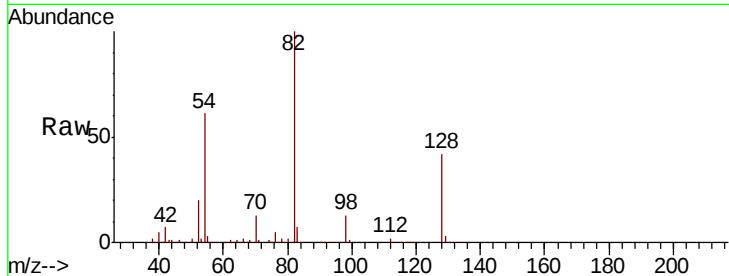




#19
n-Nitroso-di-n-propylamine
Concen: 16.269 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG039999.D
Acq: 19 Mar 2019 10:23

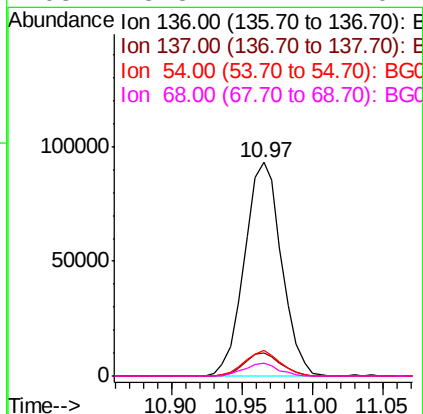
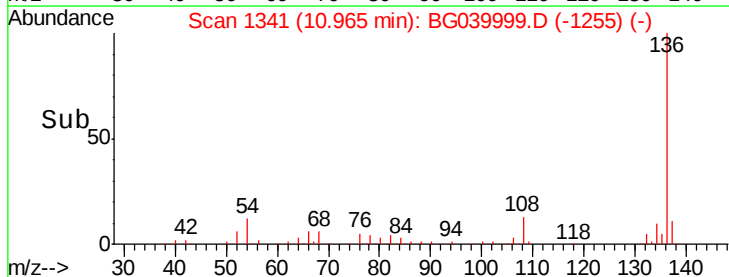
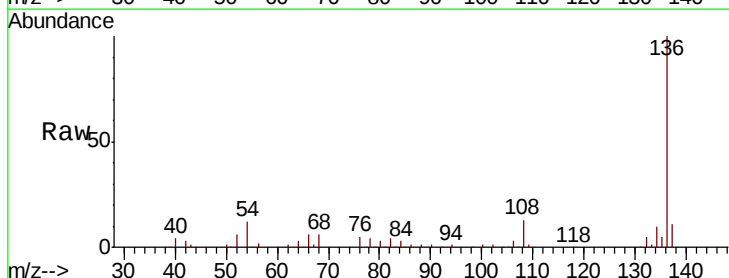
Instrument :
BNA_G
ClientSampleId :

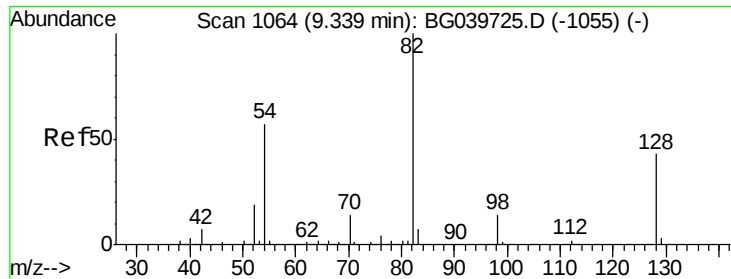
Tot Ion: 70 Resp: 44174
Ion Ratio Lower Upper
70 100
42 51.9 60.4 90.6#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039999.D
Acq: 19 Mar 2019 10:23

Tgt Ion:136 Resp: 170895
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 12.1 9.4 14.2
68 5.8 4.2 6.4

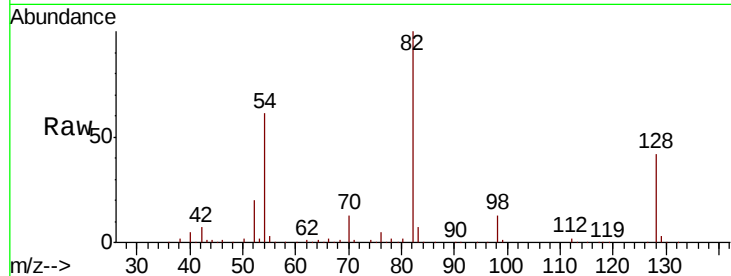




#23
Nitrobenzene-d5
Concen: 107.318 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039999.D
Acq: 19 Mar 2019 10:23

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	339105
Ion Ratio	Lower	Upper	
82	100		
128	42.3	31.3	46.9
54	61.2	50.9	76.3

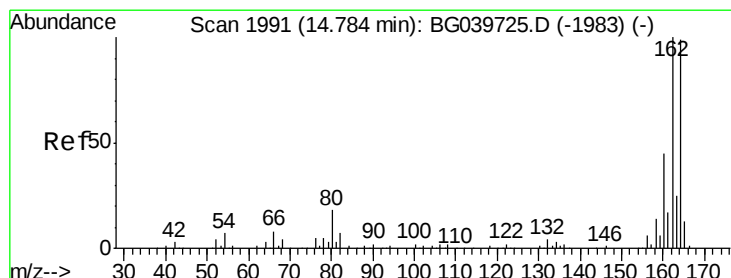
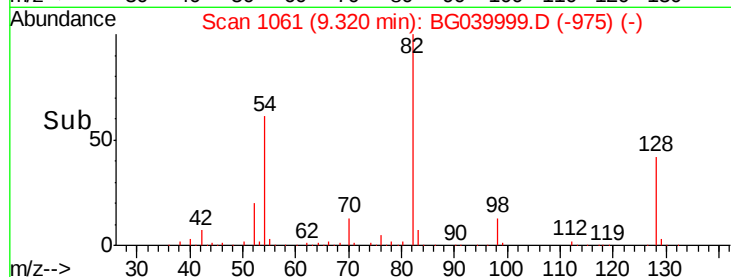
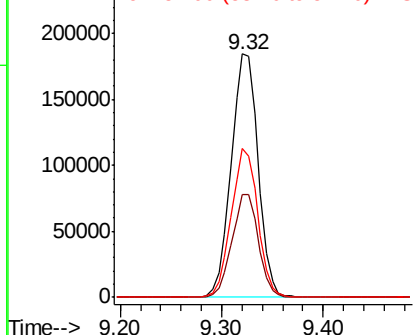


Abundance

Ion 82.00 (81.70 to 82.70): BGC

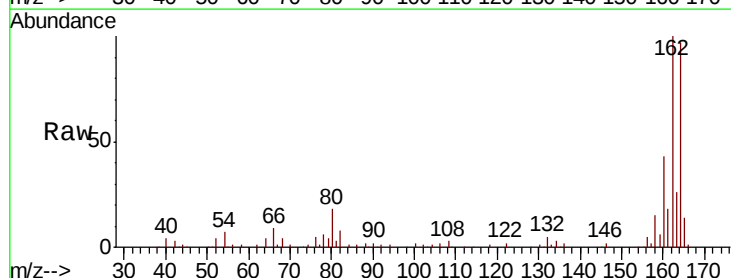
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039999.D
Acq: 19 Mar 2019 10:23

Tgt Ion	164	Resp	105312
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.6	122.4
160	44.1	34.2	51.2

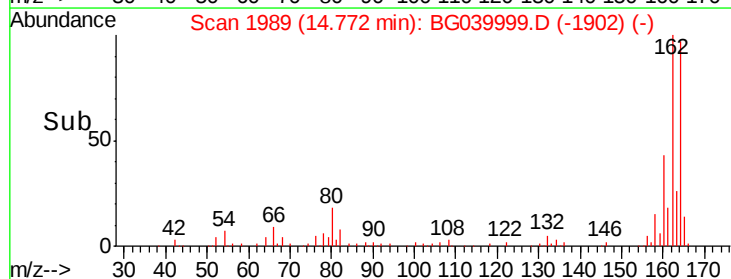
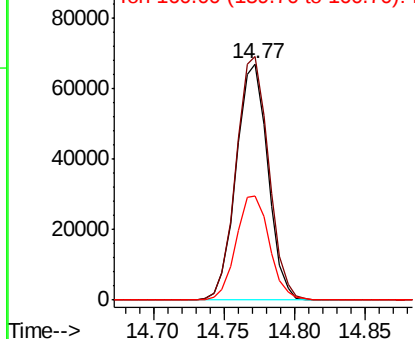


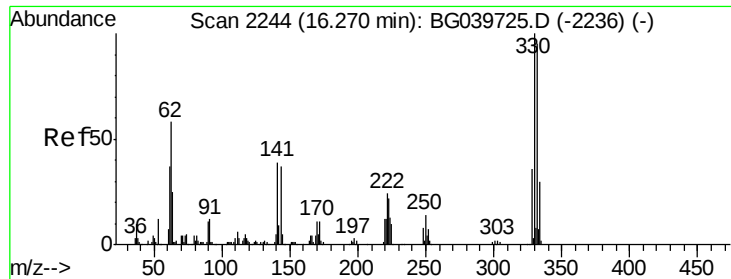
Abundance

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

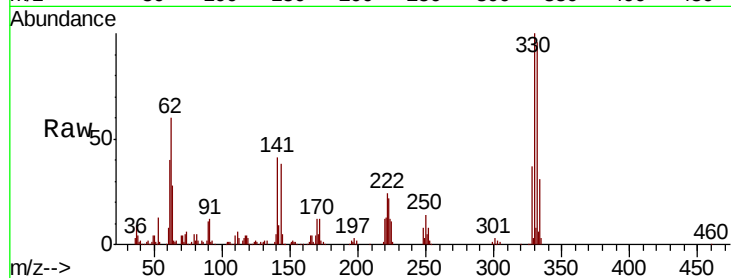




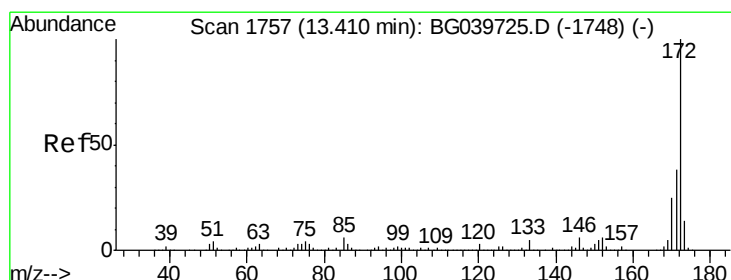
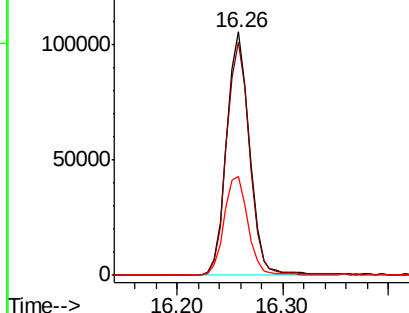
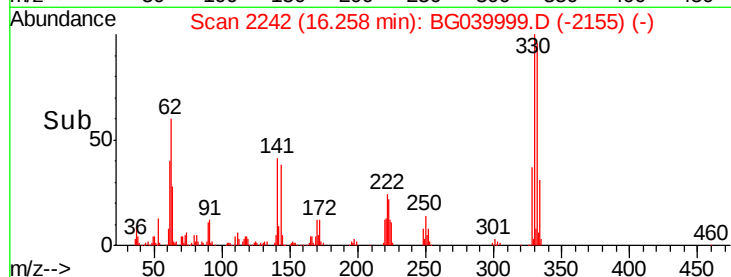
#42
 2,4,6-Tribromophenol
 Concen: 129.474 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039999.D
 Acq: 19 Mar 2019 10:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.7	113.5
141	42.3	35.6	53.4

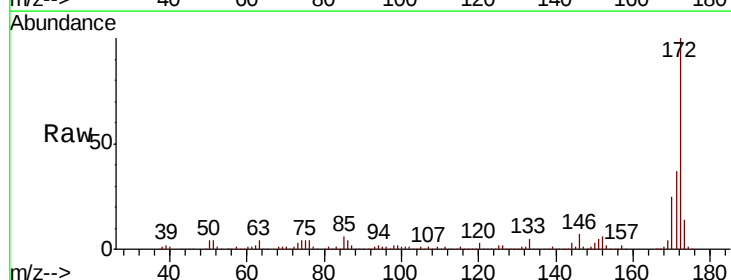


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

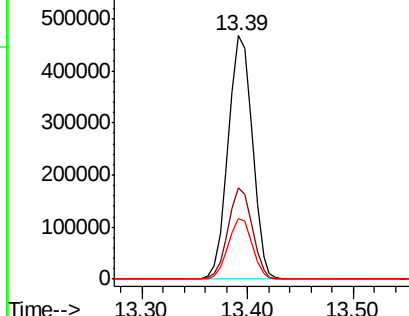
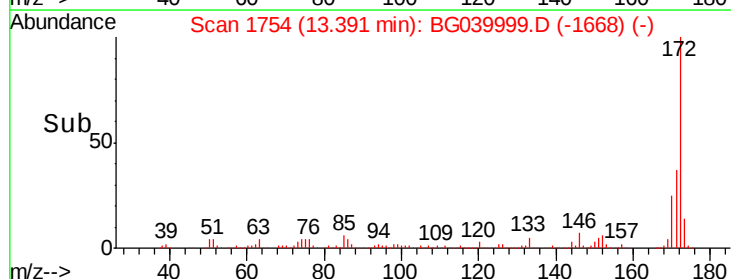


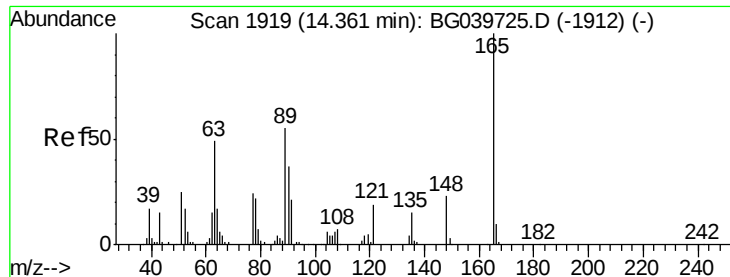
#45
 2-Fluorobiphenyl
 Concen: 99.753 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039999.D
 Acq: 19 Mar 2019 10:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	24.7	20.2	30.4



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: 7.719 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Instrument :

BNA_G

ClientSampleId :

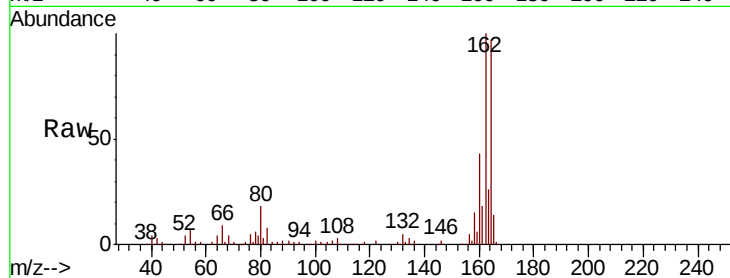
Tot Ion:165 Resp: 14411

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

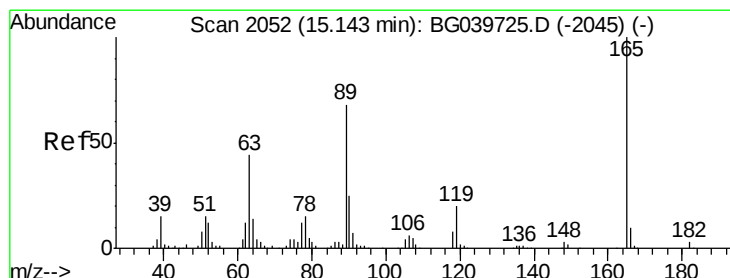
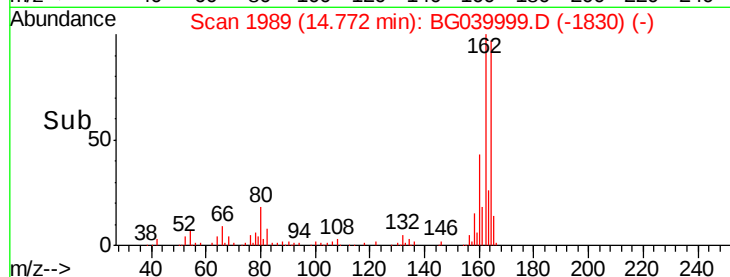
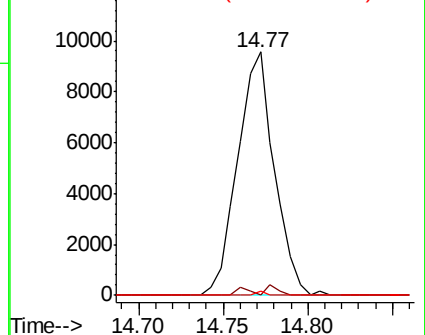
89 1.6 45.8 68.8#



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: 5.494 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Tgt Ion:165 Resp: 14411

Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.6 64.6 96.8#

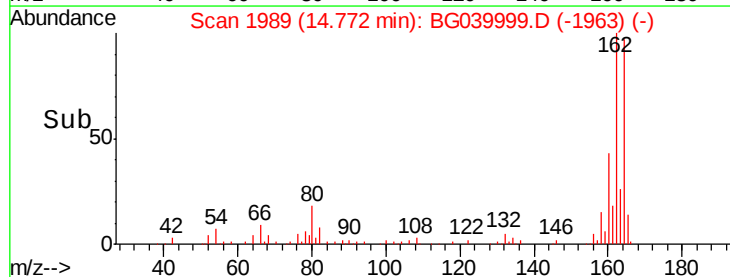
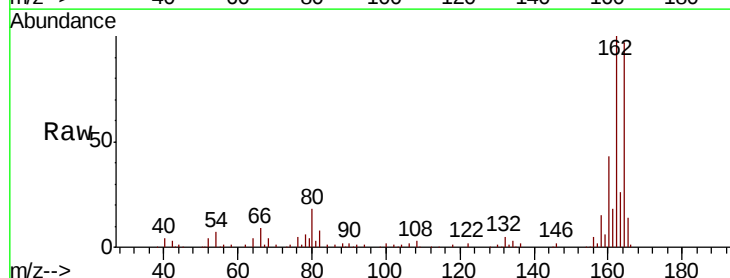
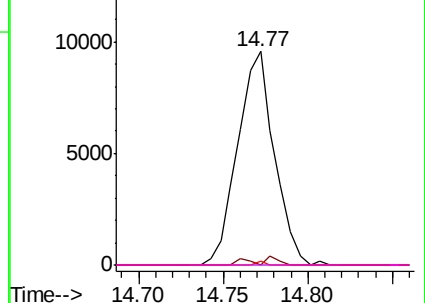
182 0.0 2.0 3.0#

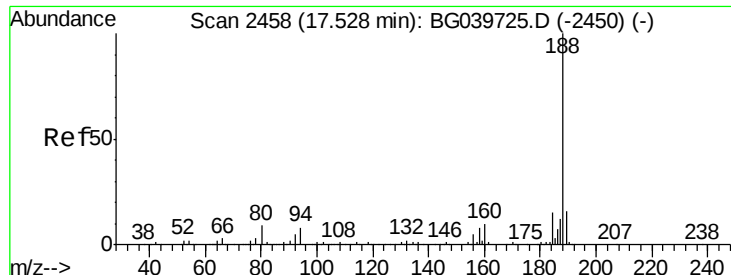
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

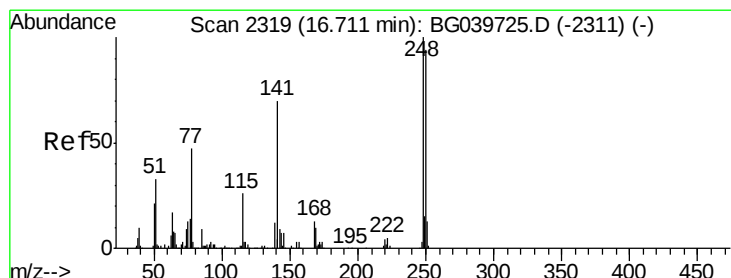
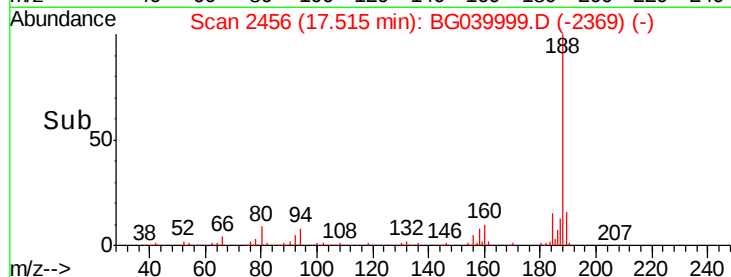
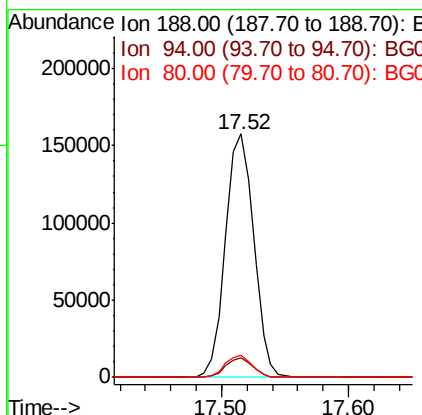
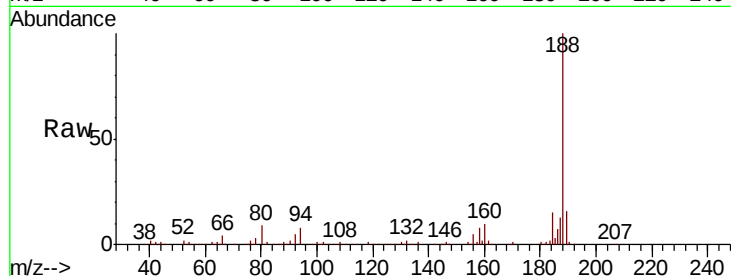




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039999.D
 Acq: 19 Mar 2019 10:23

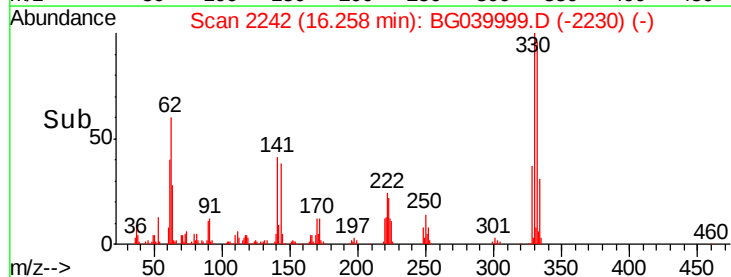
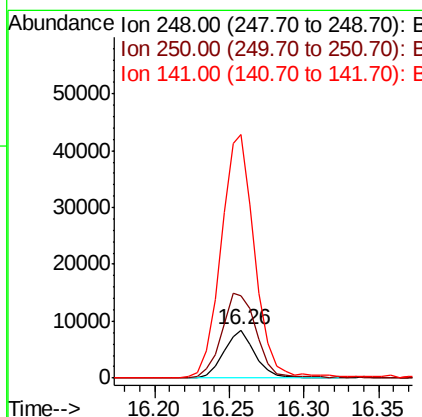
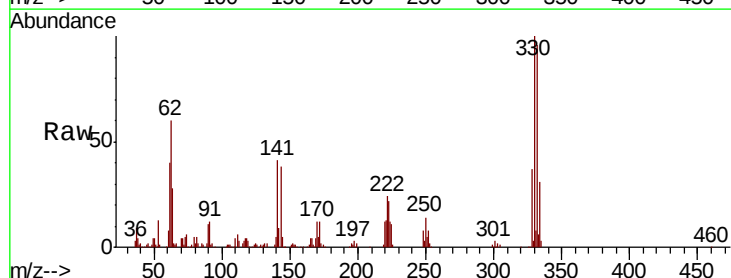
Instrument :
 BNA_G
 ClientSampleId :

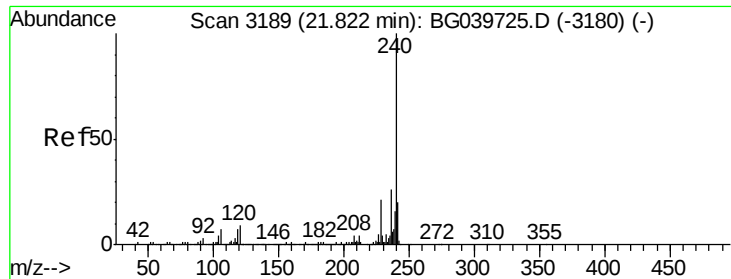
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.2	8.1	12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.504 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039999.D
 Acq: 19 Mar 2019 10:23

Tgt Ion	Ratio	Lower	Upper
248	100		
250	170.8	77.6	116.4#
141	509.0	63.9	95.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Instrument :

BNA_G

ClientSampleId :

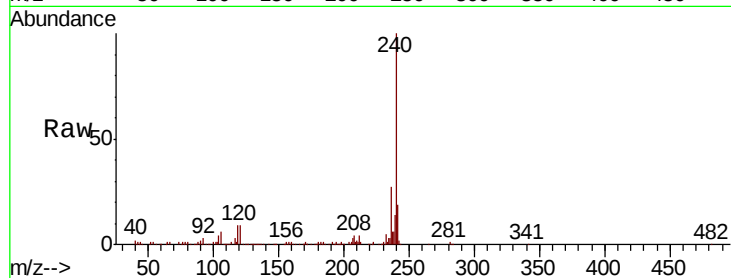
Tot Ion:240 Resp: 265511

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

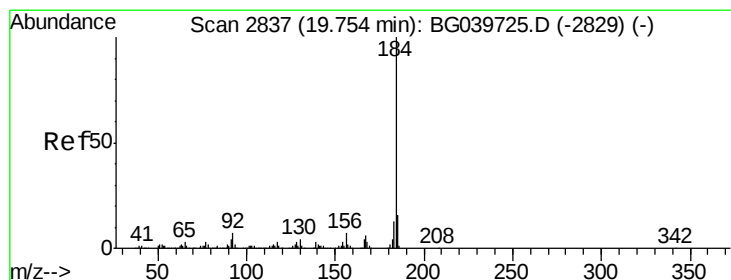
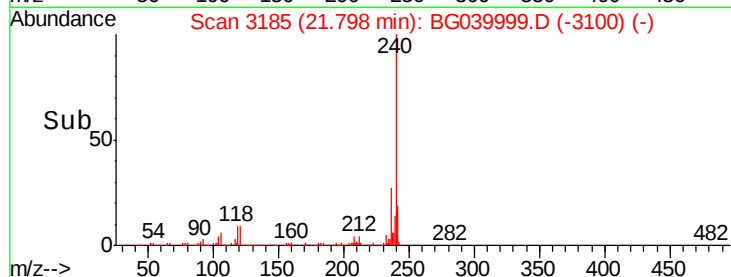
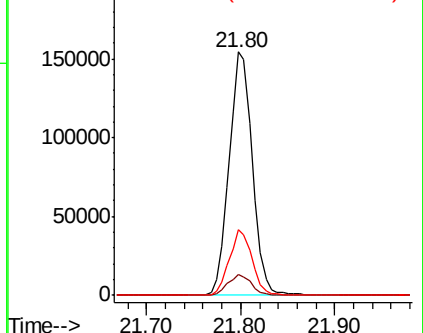
236 26.8 21.0 31.4



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: 2.599 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

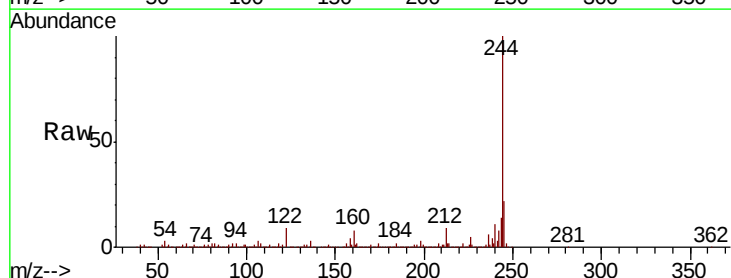
Tgt Ion:184 Resp: 21895

Ion Ratio Lower Upper

184 100

185 13.3 12.2 18.2

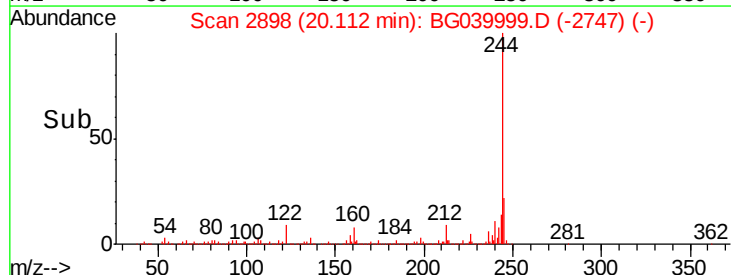
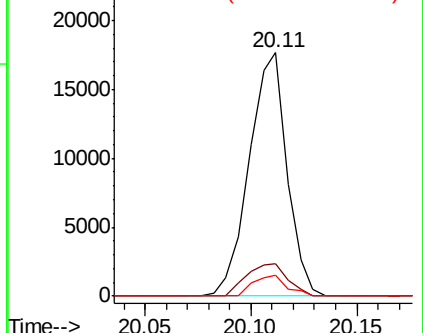
183 8.8 10.6 15.8#

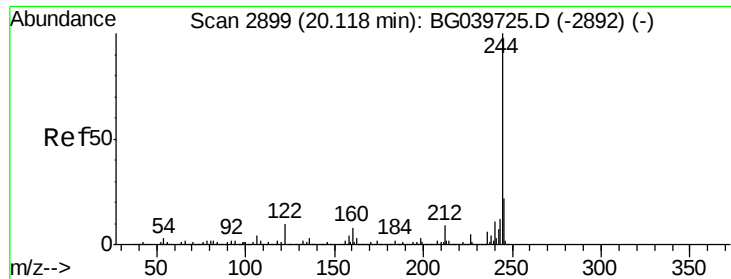


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.204 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

Instrument :

BNA_G

ClientSampleId :

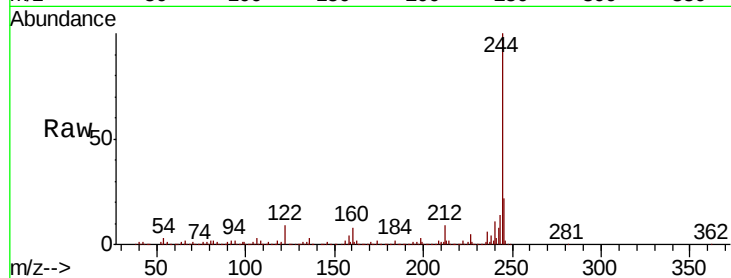
Tot Ion:244 Resp: 1172168

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

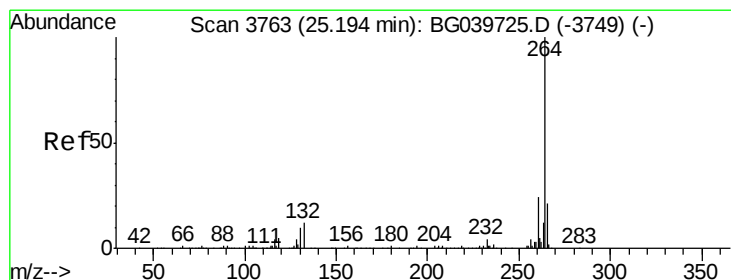
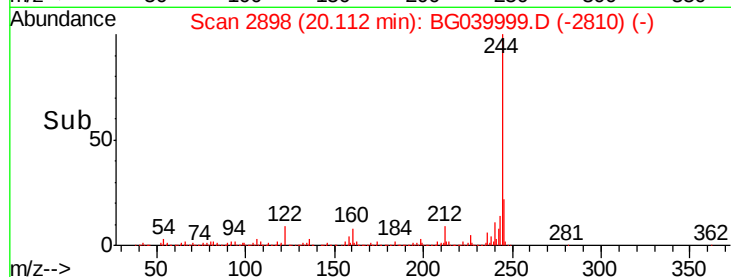
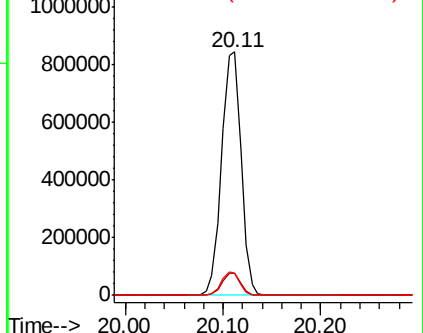
122 9.0 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG039999.D

Acq: 19 Mar 2019 10:23

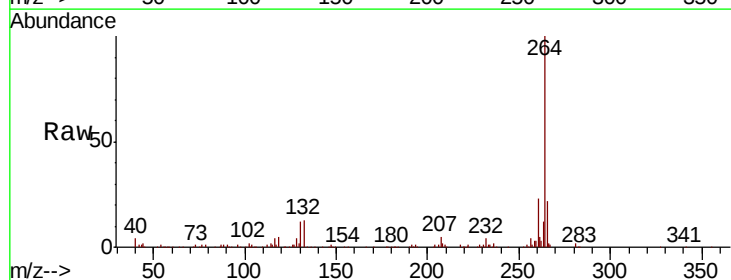
Tgt Ion:264 Resp: 251590

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 21.7 18.5 27.7



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

