

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
 Data File : BG039981.D
 Acq On : 18 Mar 2019 22:33
 Operator : JU/SJ
 Sample : K1903-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-6

Quant Time: Mar 19 07:51:11 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

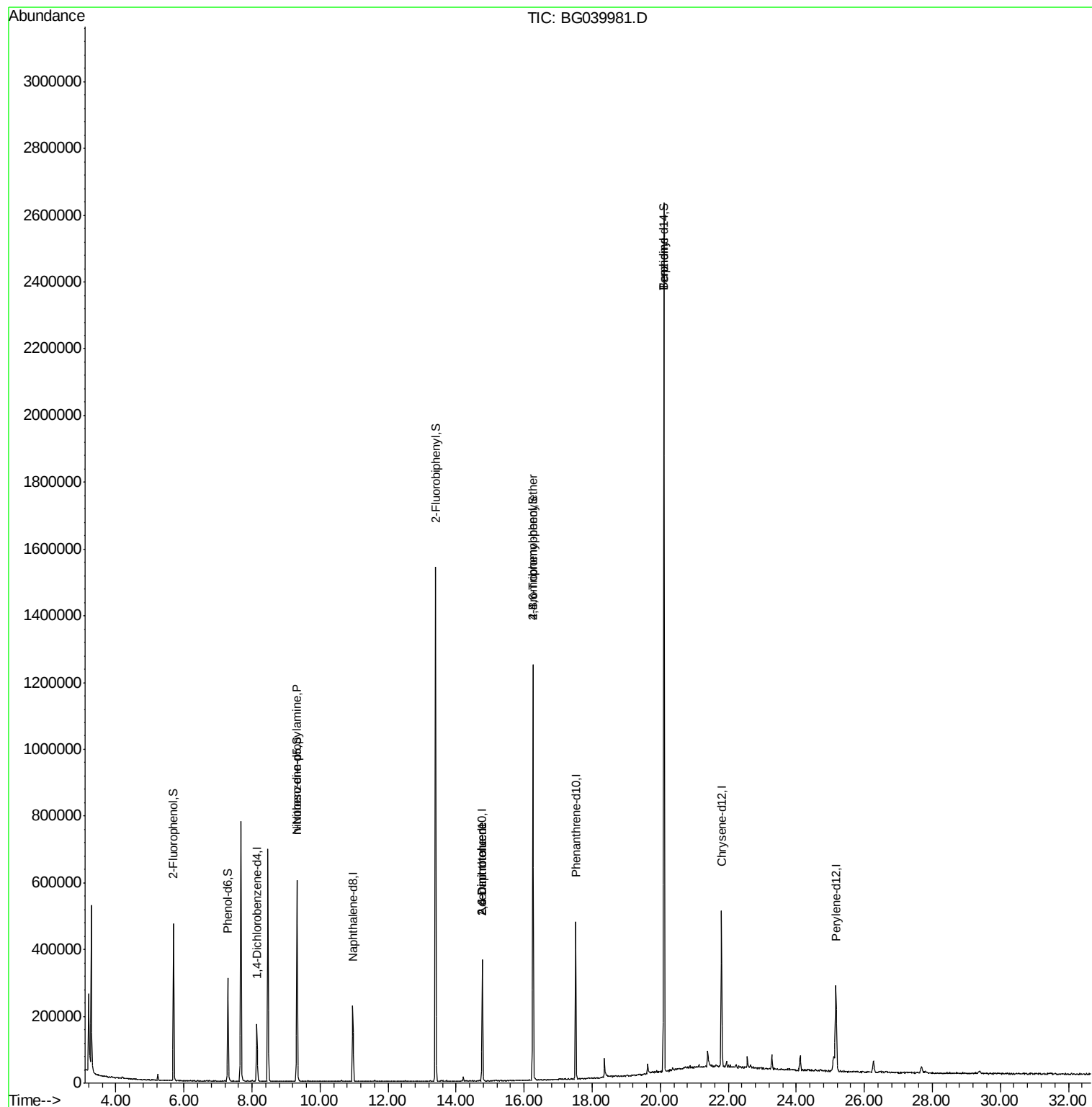
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	46598	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	189379	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123736	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	281935	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	289534	20.00	ng	-0.03
87) Perylene-d12	25.17	264	293075	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	188329	68.95	ng	-0.02
7) Phenol-d6	7.29	99	171842	42.19	ng	-0.02
23) Nitrobenzene-d5	9.33	82	348967	99.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	208839	144.80	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	815601	93.85	ng	-0.02
79) Terphenyl-d14	20.11	244	1191360	90.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	48339	16.490	ng	# 65
51) 2,6-Dinitrotoluene	14.77	165	15809	7.207	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	15809	5.129	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	16369	5.187	ng	# 1
77) Benzidine	20.11	184	22558	2.455	ng	# 95

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

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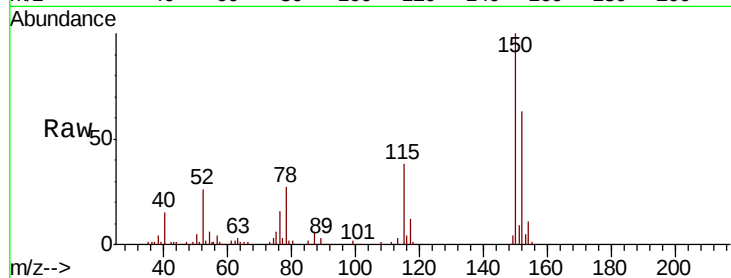


#1

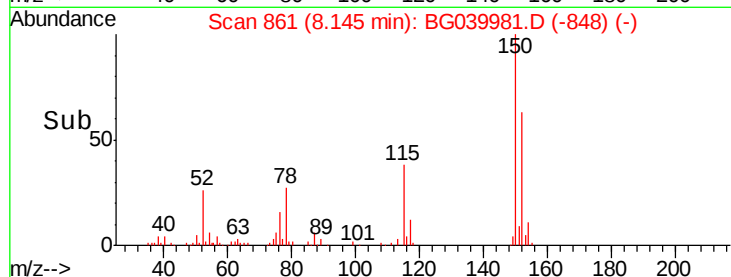
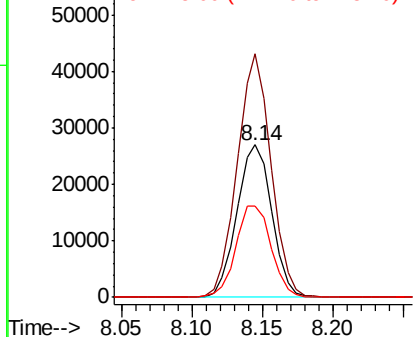
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Instrument :
BNA_G
ClientSampleId :
TW-6

Tgt Ion:152 Resp: 46598
Ion Ratio Lower Upper
152 100
150 159.9 123.7 185.5
115 60.3 45.9 68.9



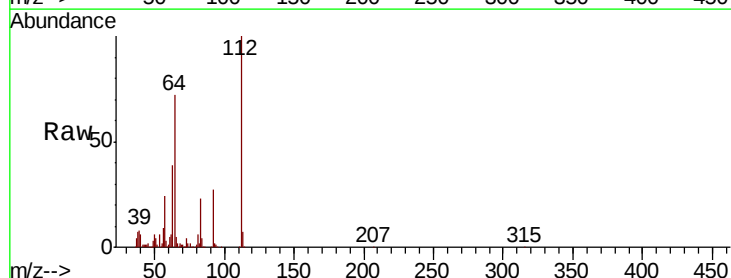
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



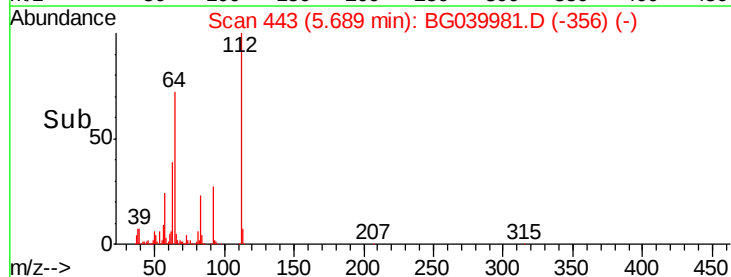
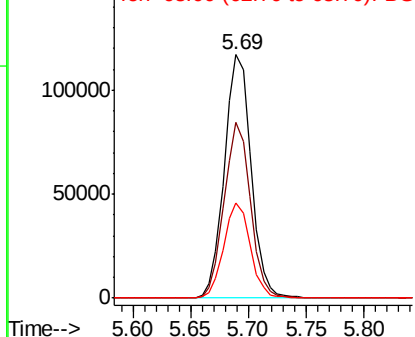
#5

2-Fluorophenol
Concen: 68.950 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Tgt Ion:112 Resp: 188329
Ion Ratio Lower Upper
112 100
64 72.1 57.8 86.8
63 39.2 29.8 44.6



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: 42.194 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

Instrument :

BNA_G

ClientSampleId :

TW-6

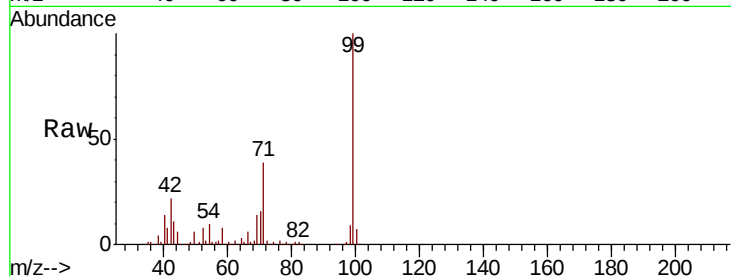
Tgt Ion: 99 Resp: 171842

Ion Ratio Lower Upper

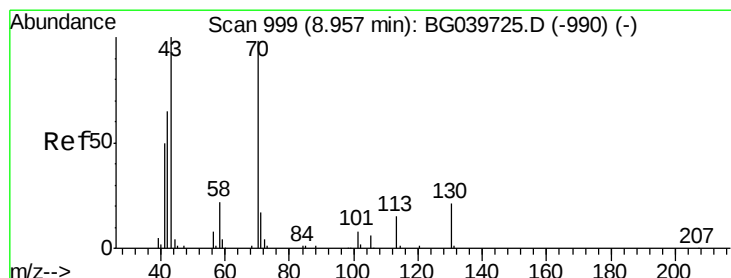
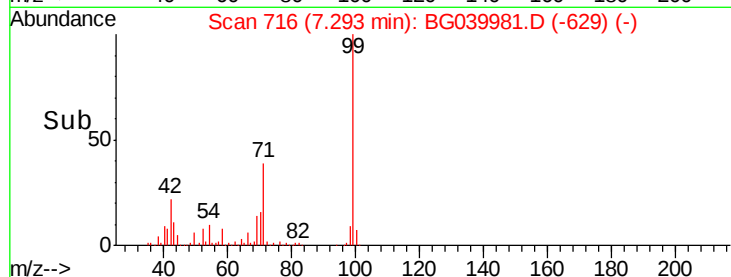
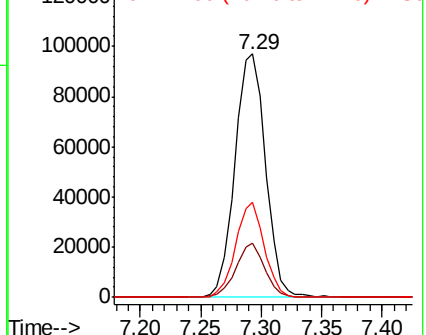
99 100

42 22.1 18.2 27.2

71 39.1 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: 16.490 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

Tgt Ion: 70 Resp: 48339

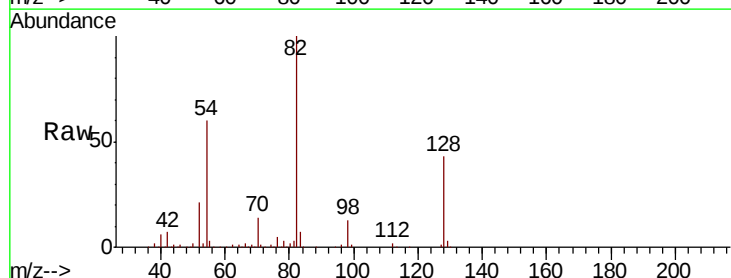
Ion Ratio Lower Upper

70 100

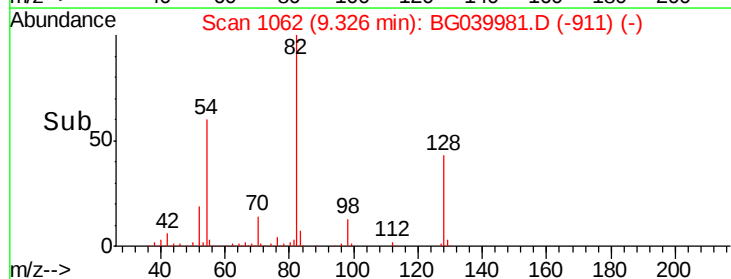
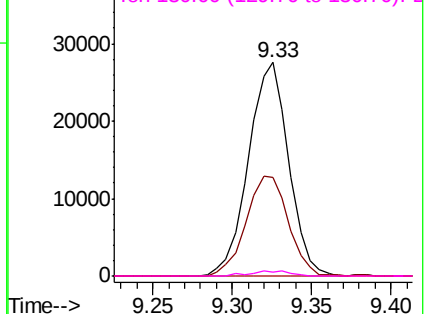
42 46.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#



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

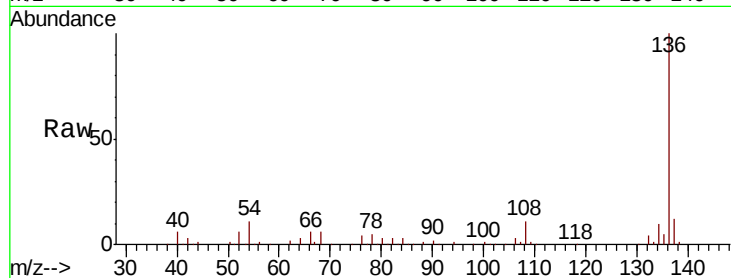




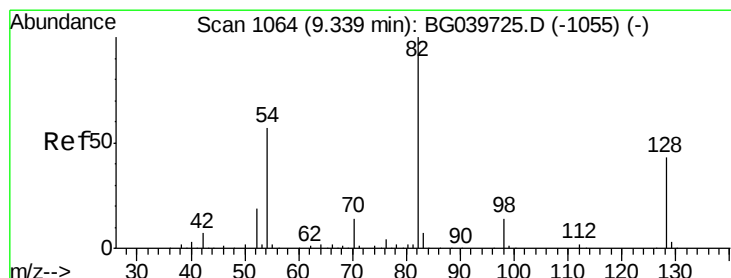
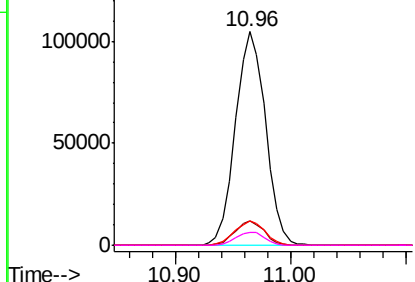
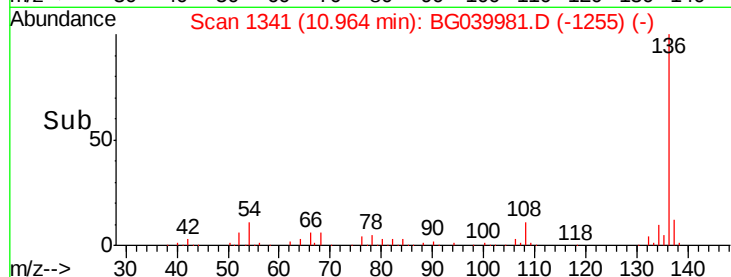
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Instrument :
BNA_G
ClientSampleId :
TW-6

Tgt Ion:	136	Resp:	189379
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.2	9.4	14.2
68	6.1	4.2	6.4

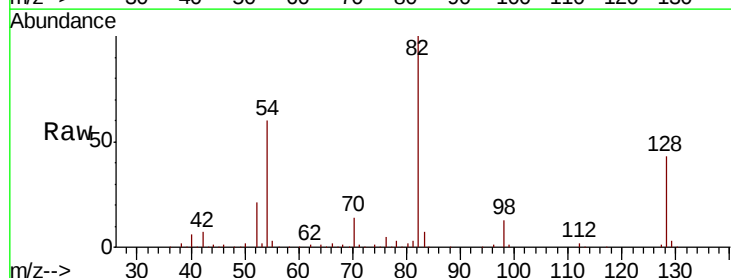


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

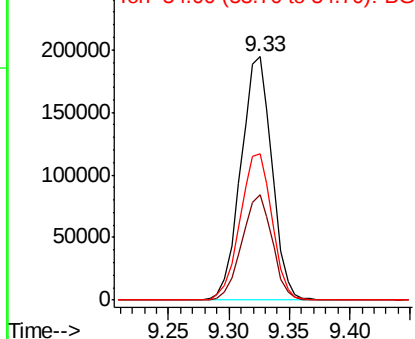
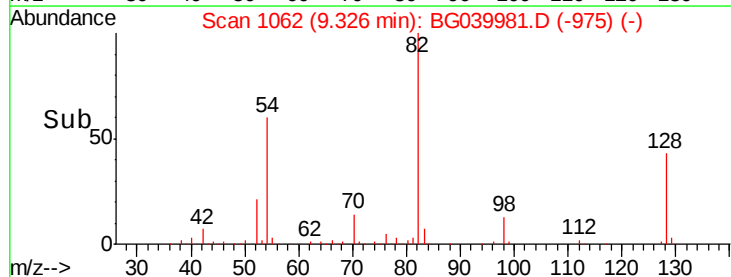


#23
Nitrobenzene-d5
Concen: 99.660 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Tgt Ion:	82	Resp:	348967
Ion	Ratio	Lower	Upper
82	100		
128	43.4	31.3	46.9
54	60.0	50.9	76.3



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: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

Instrument :

BNA_G

ClientSampleId :

TW-6

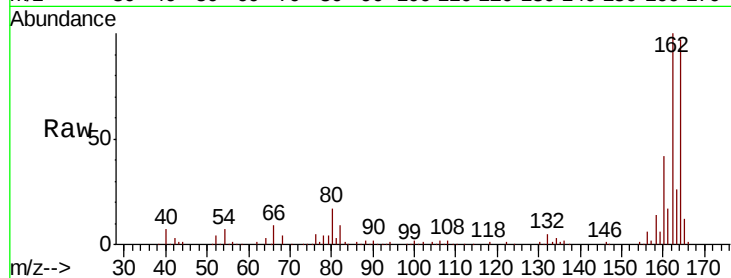
Tgt Ion:164 Resp: 123736

Ion Ratio Lower Upper

164 100

162 103.3 81.6 122.4

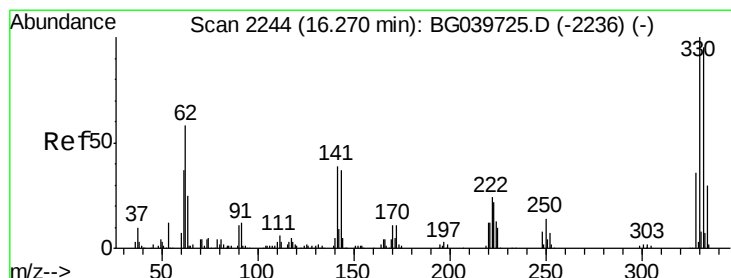
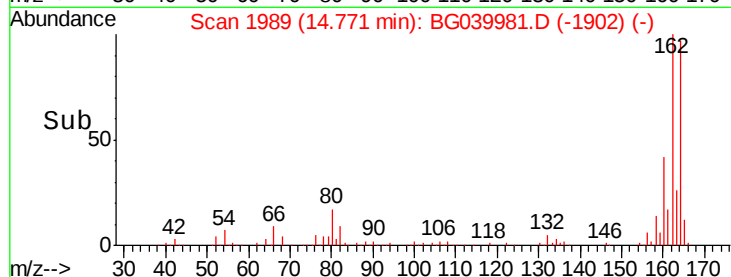
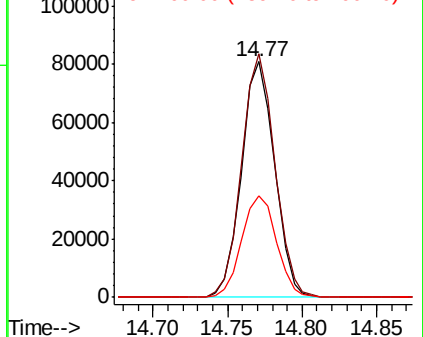
160 43.2 34.2 51.2



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: 144.802 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

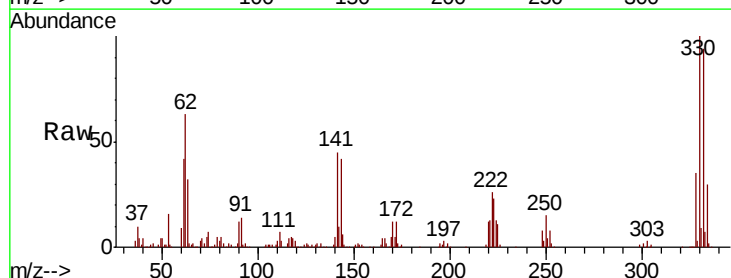
Tgt Ion:330 Resp: 208839

Ion Ratio Lower Upper

330 100

332 94.7 75.7 113.5

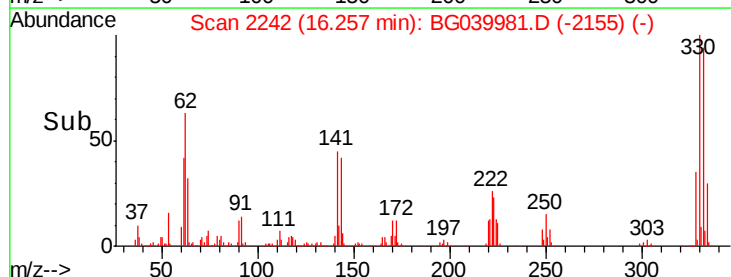
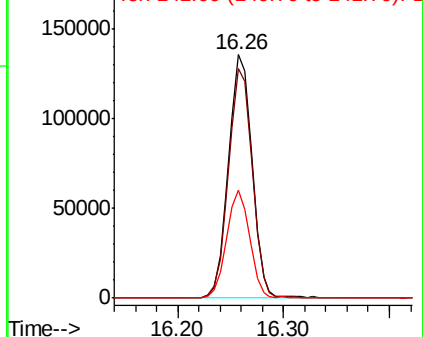
141 43.8 35.6 53.4



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

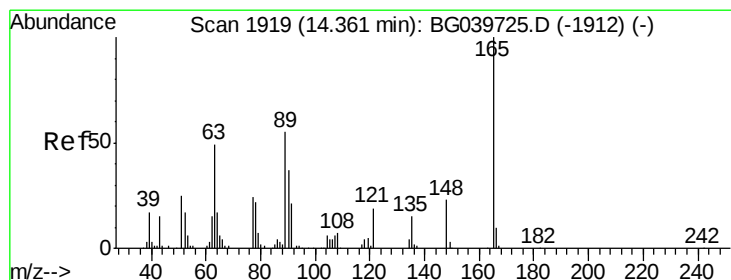
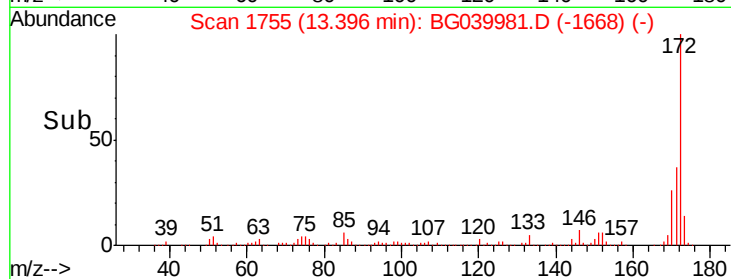
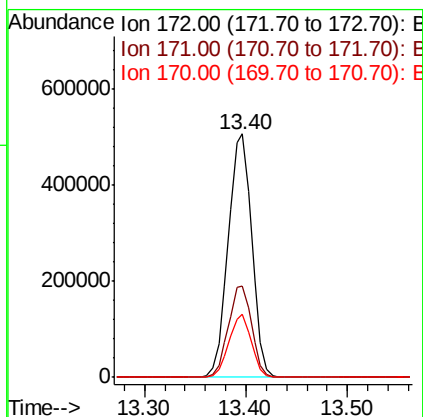
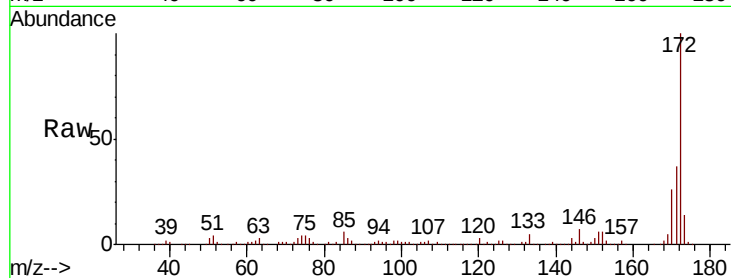




#45
 2-Fluorobiphenyl
 Concen: 93.851 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039981.D
 Acq: 18 Mar 2019 22:33

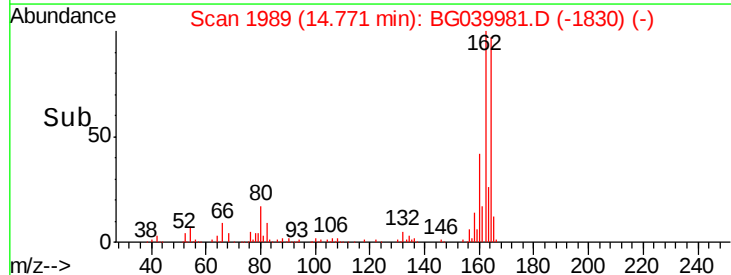
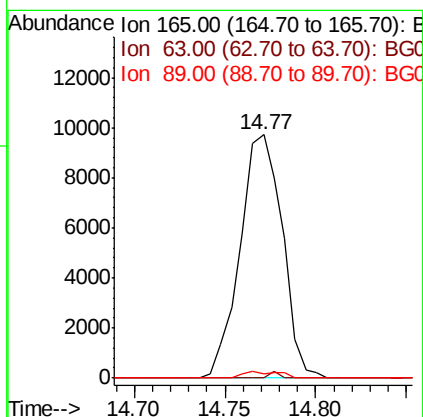
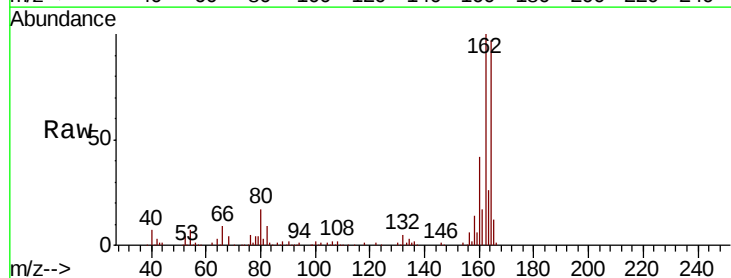
Instrument :
 BNA_G
 ClientSampleId :
 TW-6

Tgt Ion:172 Resp: 815601
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 25.7 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.207 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039981.D
 Acq: 18 Mar 2019 22:33

Tgt Ion:165 Resp: 15809
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.0 45.8 68.8#

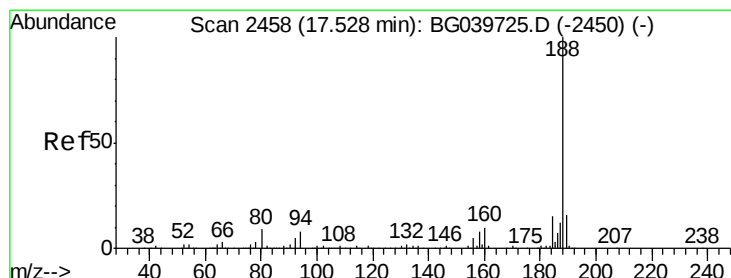
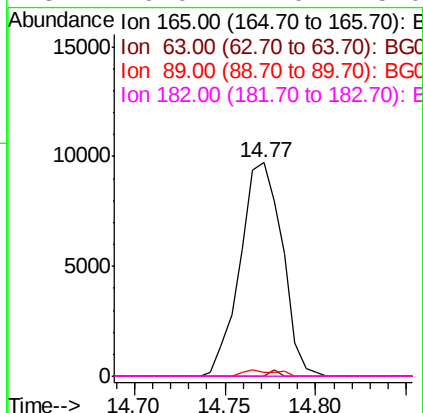
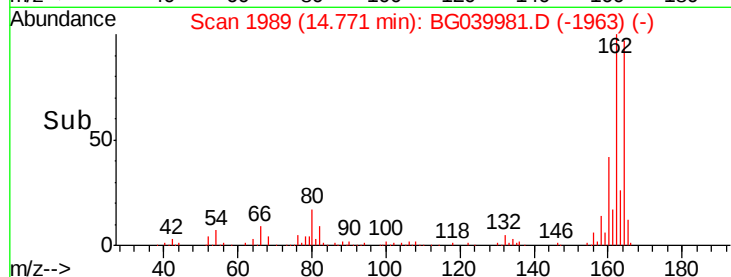
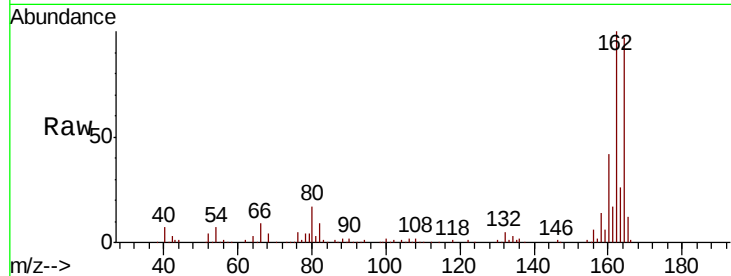




#57
 2,4-Dinitrotoluene
 Concen: 5.129 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039981.D
 Acq: 18 Mar 2019 22:33

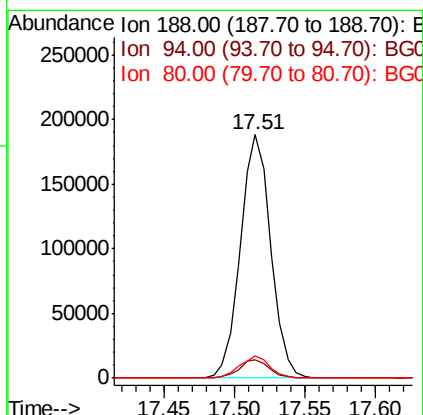
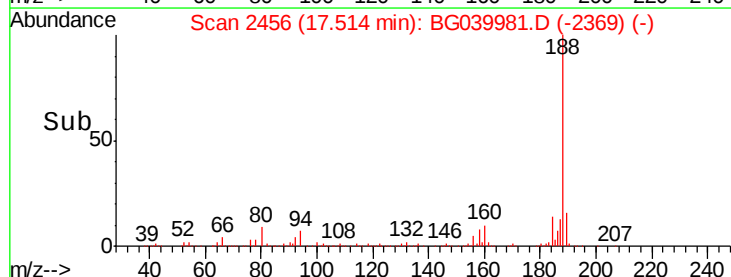
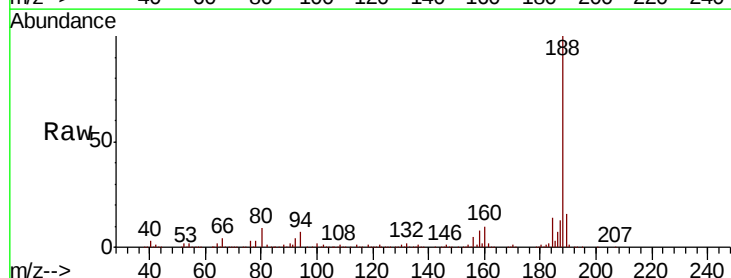
Instrument :
 BNA_G
 ClientSampleId :
 TW-6

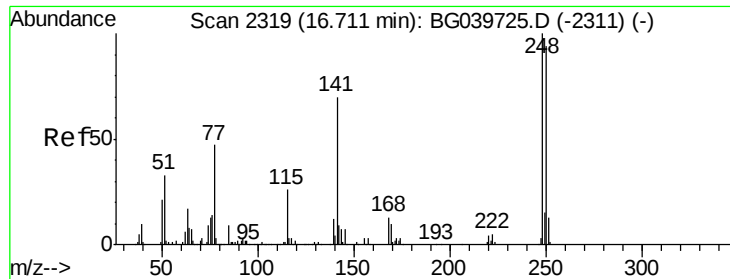
Tgt Ion:	165	Resp:	15809
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039981.D
 Acq: 18 Mar 2019 22:33

Tgt Ion:	188	Resp:	281935
Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	9.3	8.1	12.1

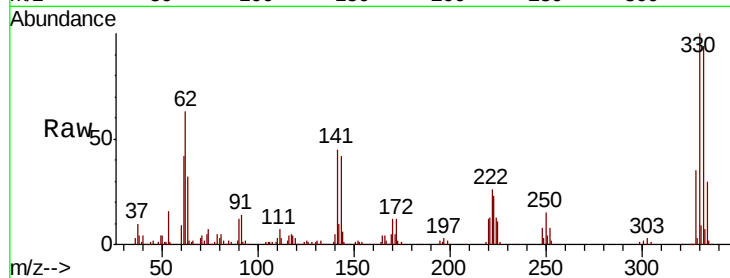




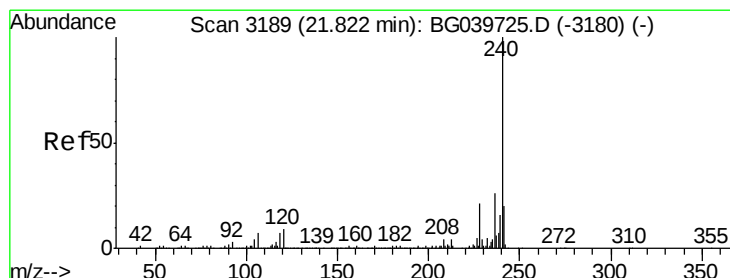
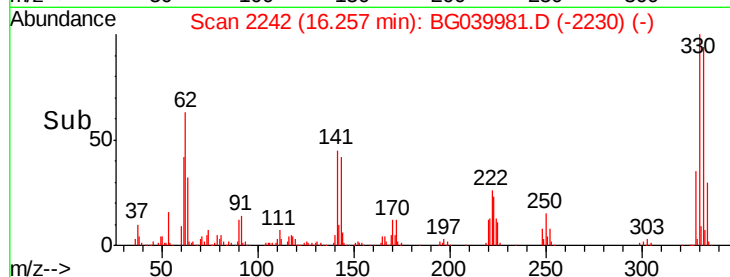
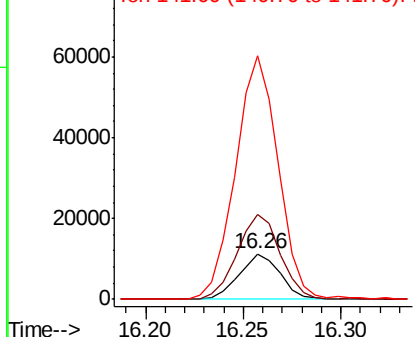
#67
4-Bromophenyl-phenylether
Concen: 5.187 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Instrument :
BNA_G
ClientSampleId :
TW-6

Tgt Ion:248 Resp: 16369
Ion Ratio Lower Upper
248 100
250 185.7 77.6 116.4#
141 534.3 63.9 95.9#

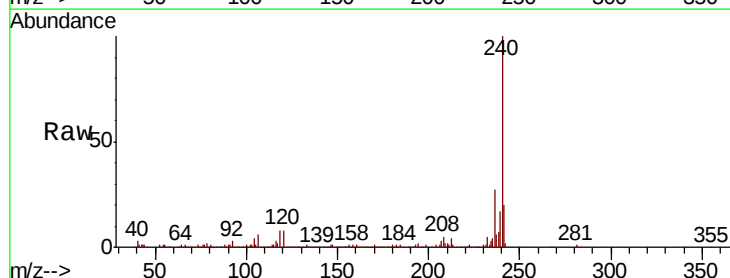


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

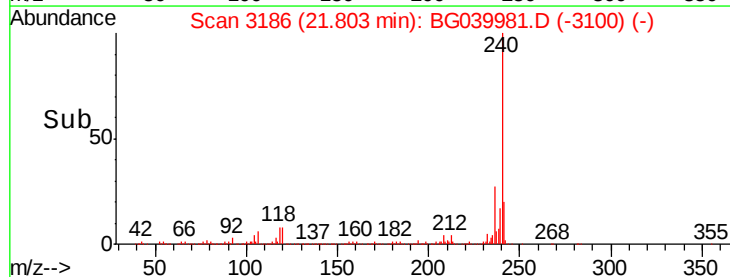
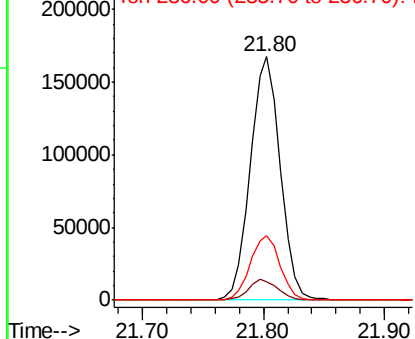


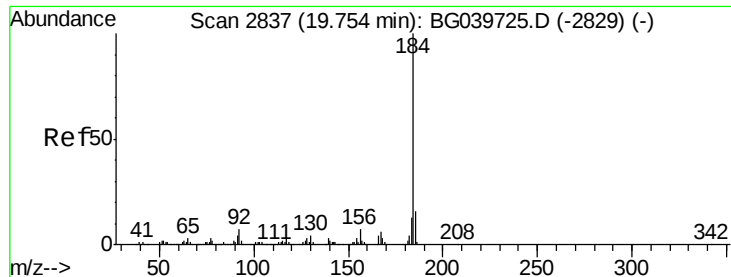
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.03 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Tgt Ion:240 Resp: 289534
Ion Ratio Lower Upper
240 100
120 7.8 7.0 10.6
236 26.7 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: 2.455 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

Instrument :

BNA_G

ClientSampleId :

TW-6

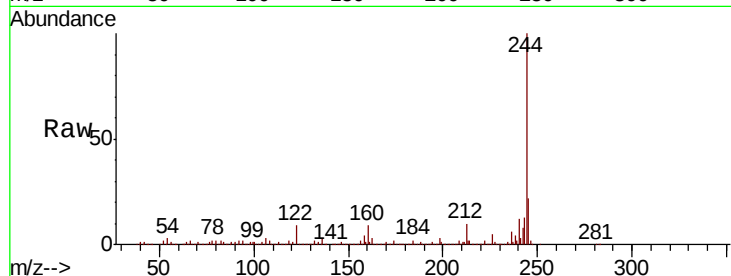
Tgt Ion:184 Resp: 22558

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

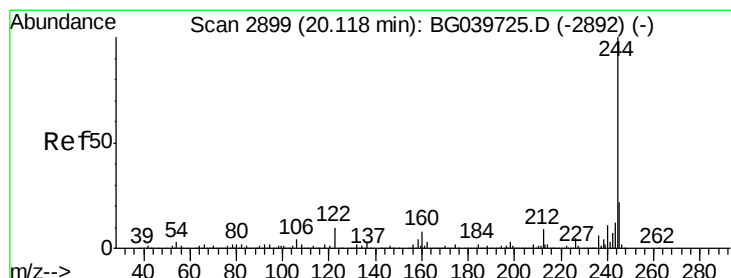
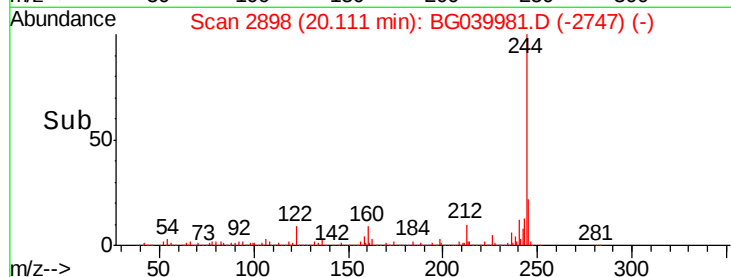
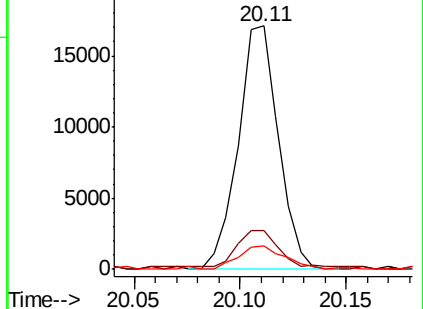
183 9.9 10.6 15.8#



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: 90.599 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039981.D

Acq: 18 Mar 2019 22:33

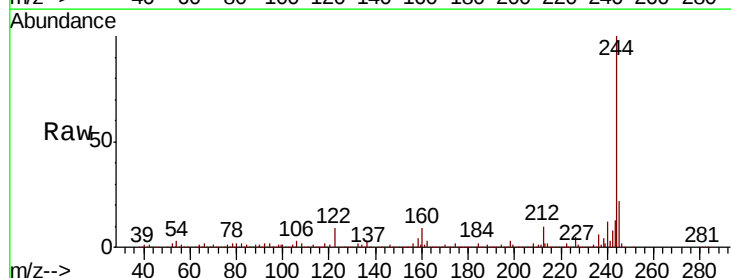
Tgt Ion:244 Resp: 1191360

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

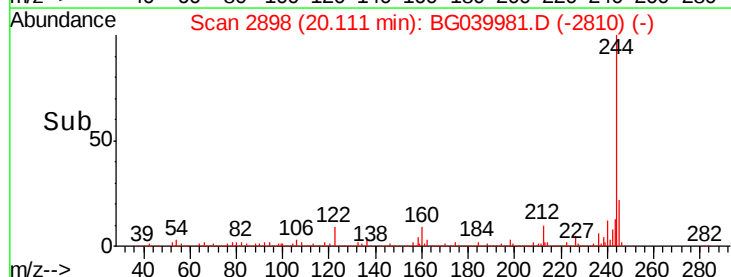
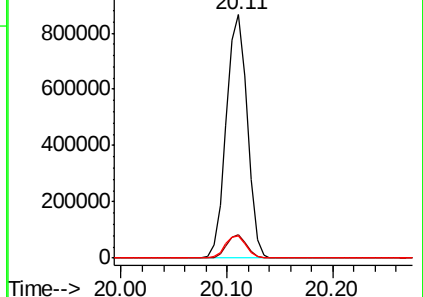
122 9.2 8.4 12.6

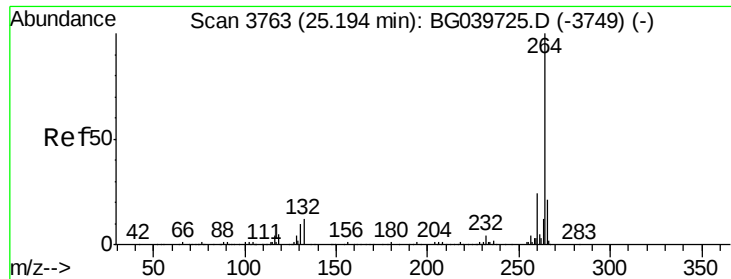


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039981.D
Acq: 18 Mar 2019 22:33

Instrument :
BNA_G
ClientSampleId :
TW-6

Tgt Ion: 264 Resp: 293075
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.4
265 22.2 18.5 27.7

