

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030419\
 Data File : BG039753.D
 Acq On : 5 Mar 2019 6:13
 Operator : JU/SJ
 Sample : PB117574TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117574TB

Quant Time: Mar 05 07:10:31 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

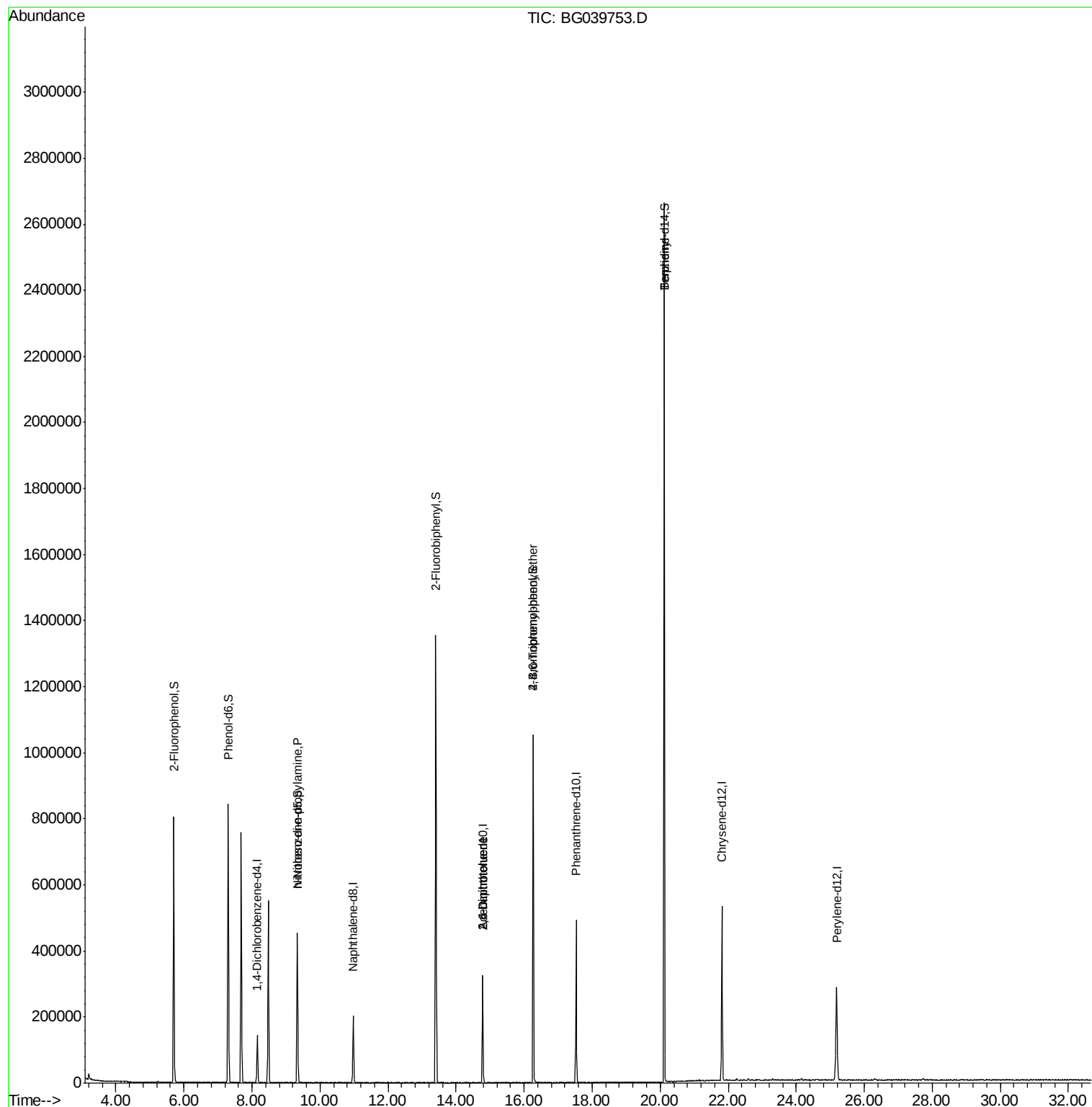
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	40197	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	168265	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	116335	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	304857	20.00	ng	0.00
76) Chrysene-d12	21.82	240	326216	20.00	ng	-0.01
87) Perylene-d12	25.19	264	323981	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	335636	142.45	ng	0.00
7) Phenol-d6	7.30	99	471936	134.33	ng	-0.01
23) Nitrobenzene-d5	9.33	82	274038	88.08	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	184736	136.24	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	709206	86.80	ng	-0.01
79) Terphenyl-d14	20.12	244	1243845	83.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	35385	13.993	ng	# 69
51) 2,6-Dinitrotoluene	14.78	165	15124	7.334	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	15124	5.219	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	14206	4.163	ng	# 1
77) Benzidine	20.12	184	20708	2.000	ng	# 90

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

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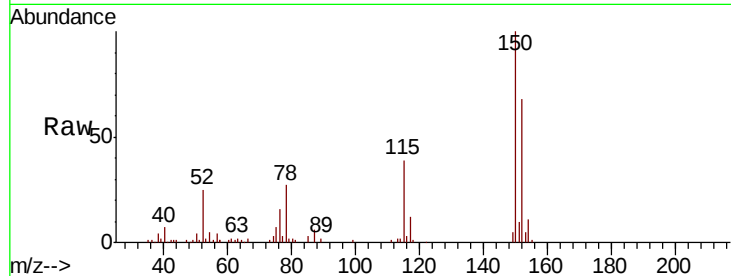


#1

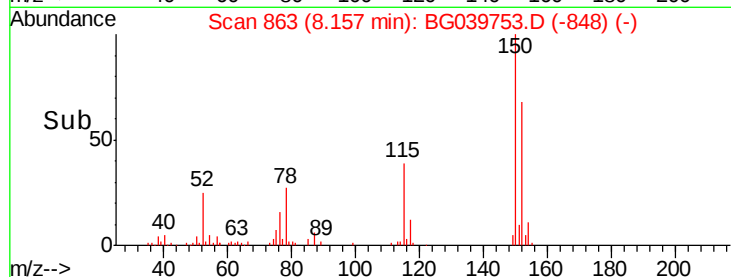
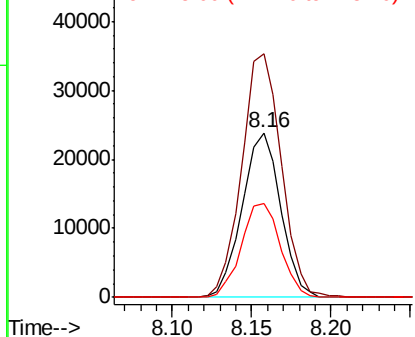
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039753.D
Acq: 5 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :
PB117574TB

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.1	123.7	185.5
115	57.3	45.9	68.9



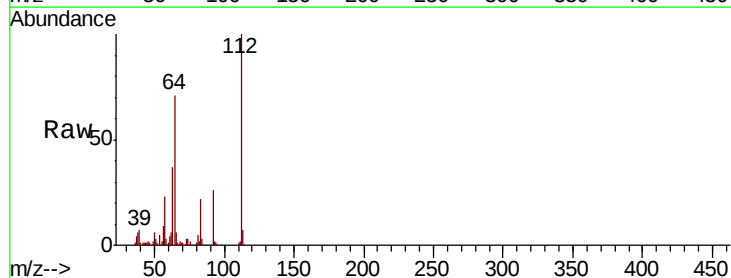
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



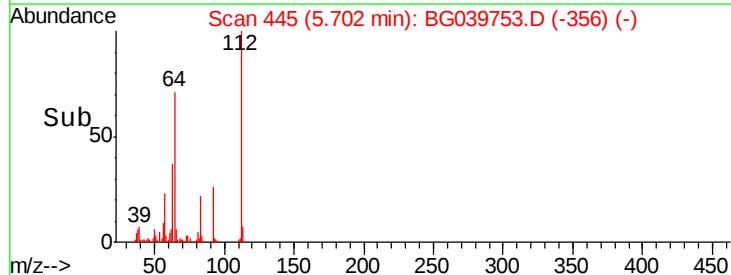
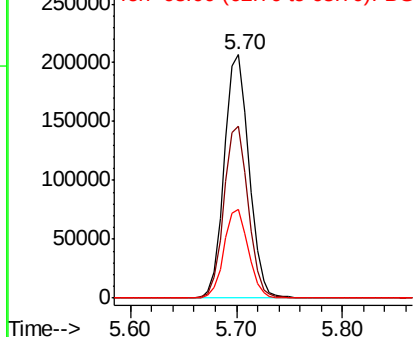
#5

2-Fluorophenol
Concen: 142.448 ng
RT: 5.70 min Scan# 445
Delta R.T. -0.01 min
Lab File: BG039753.D
Acq: 5 Mar 2019 6:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	57.8	86.8
63	36.5	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 134.331 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

PB117574TB

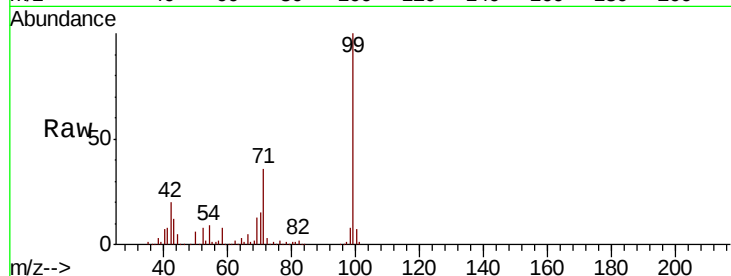
Tgt Ion: 99 Resp: 471936

Ion Ratio Lower Upper

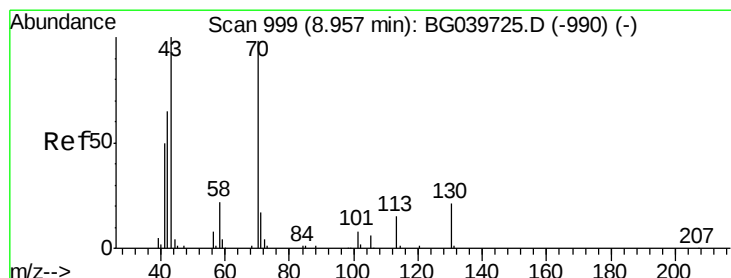
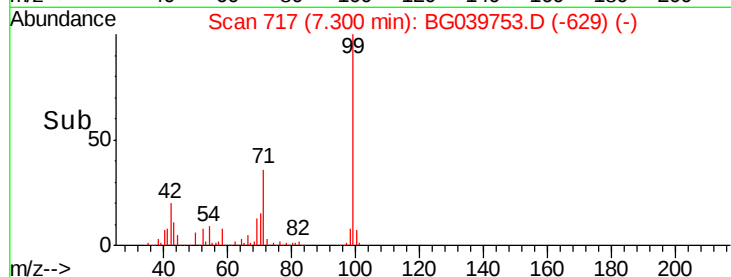
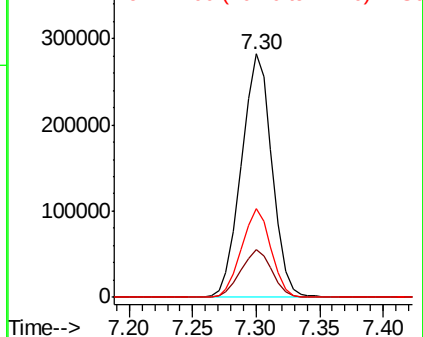
99 100

42 19.7 18.2 27.2

71 36.5 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: 13.993 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

Tgt Ion: 70 Resp: 35385

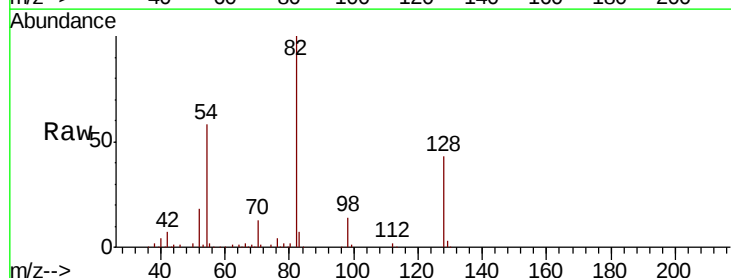
Ion Ratio Lower Upper

70 100

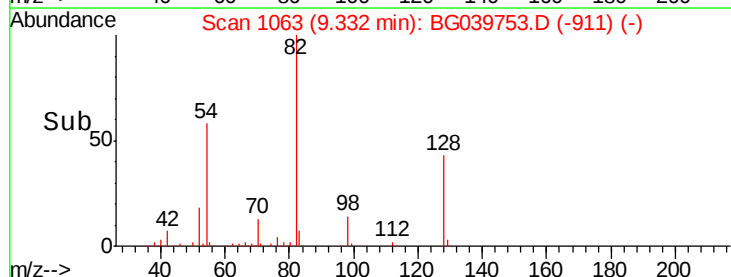
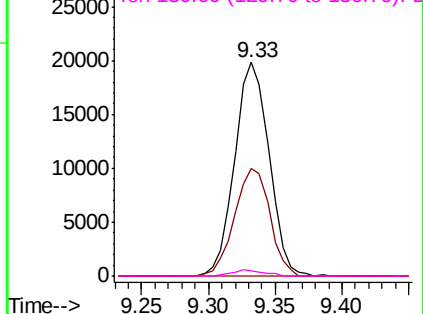
42 50.6 60.4 90.6#

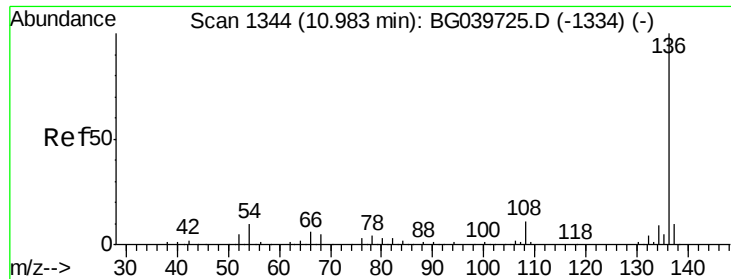
101 0.0 7.5 11.3#

130 2.6 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

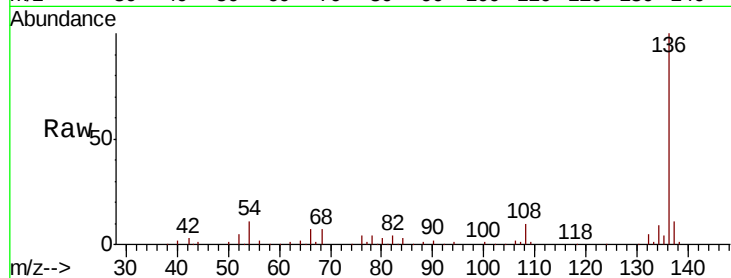




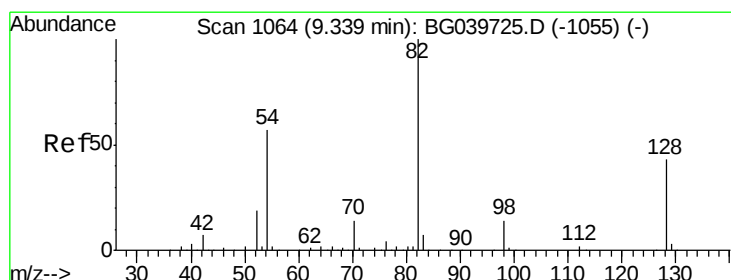
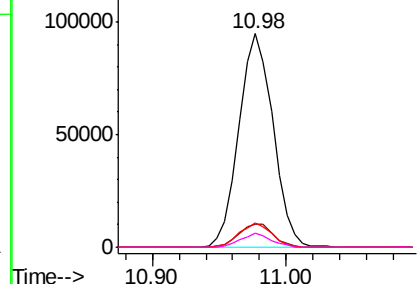
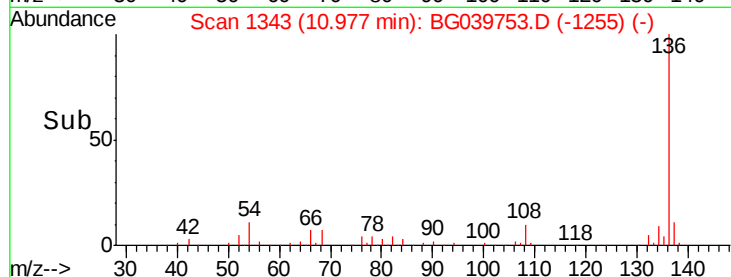
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039753.D
Acq: 5 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :
PB117574TB

Tgt Ion:	136	Resp:	168265
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.3	9.4	14.2
68	6.7	4.2	6.4#

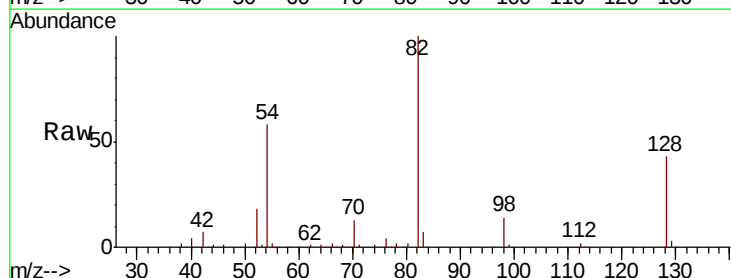


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

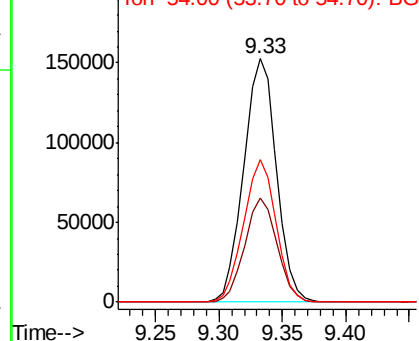
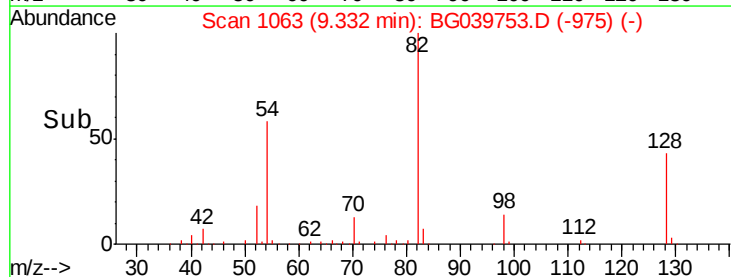


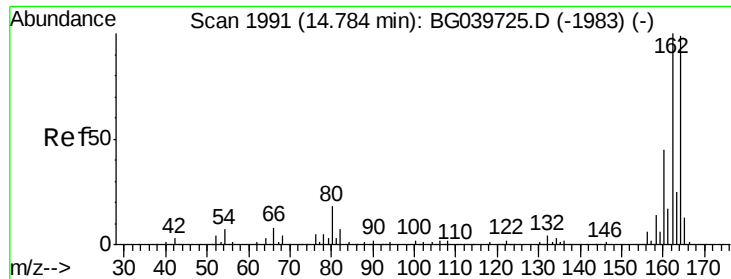
#23
Nitrobenzene-d5
Concen: 88.082 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039753.D
Acq: 5 Mar 2019 6:13

Tgt Ion:	82	Resp:	274038
Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.3	46.9
54	58.4	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: 14.78 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

PB117574TB

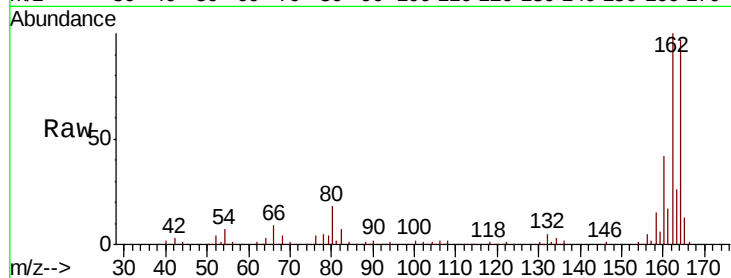
Tgt Ion:164 Resp: 116335

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

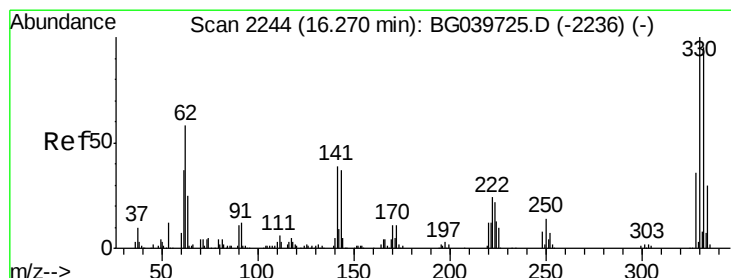
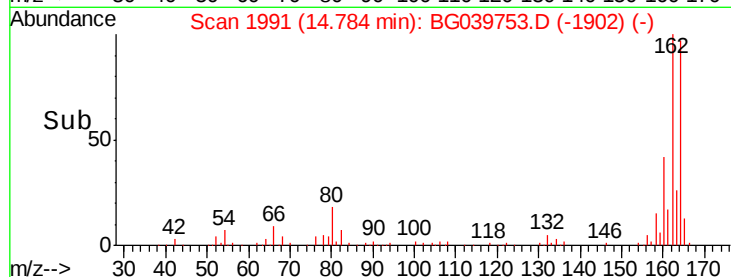
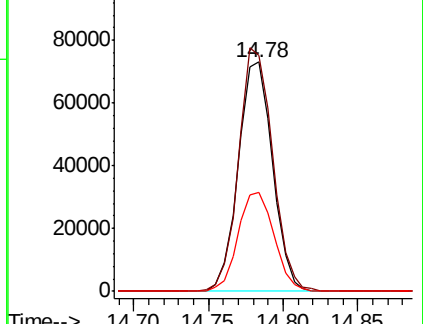
160 43.0 34.2 51.2



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: 136.239 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

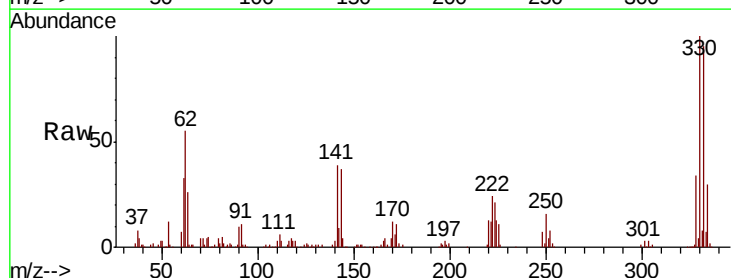
Tgt Ion:330 Resp: 184736

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

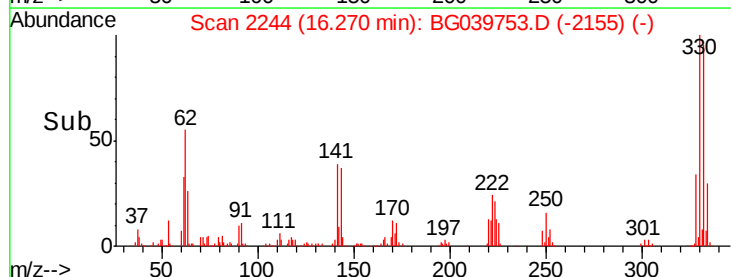
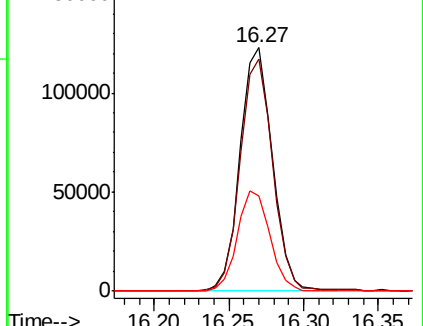
141 41.4 35.6 53.4



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

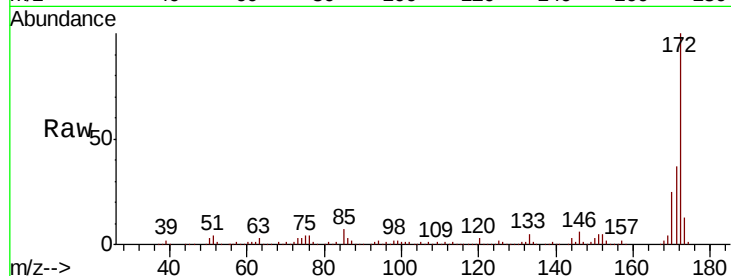




#45
 2-Fluorobiphenyl
 Concen: 86.800 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :
 PB117574TB

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	24.8	20.2	30.4

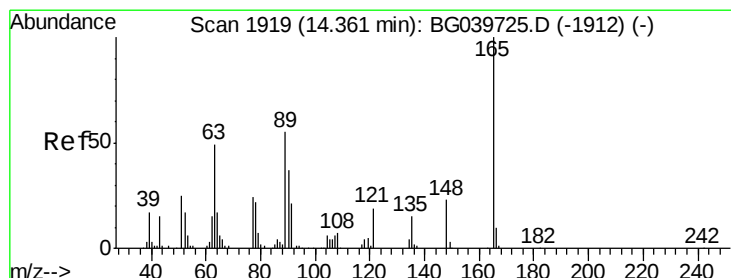
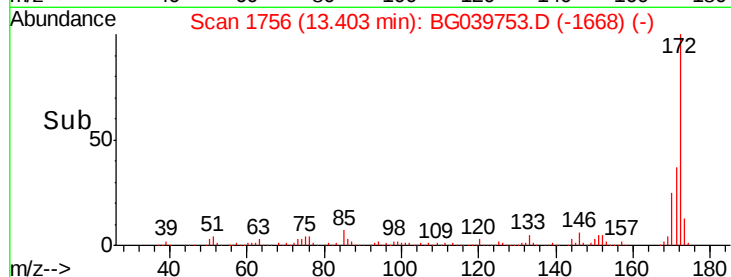
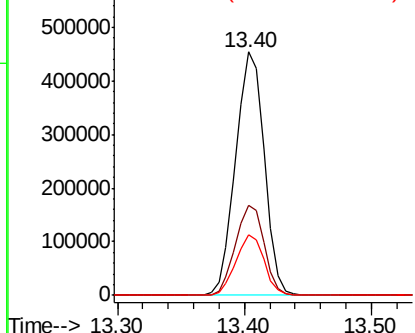


Abundance

Ion 172.00 (171.70 to 172.70): E

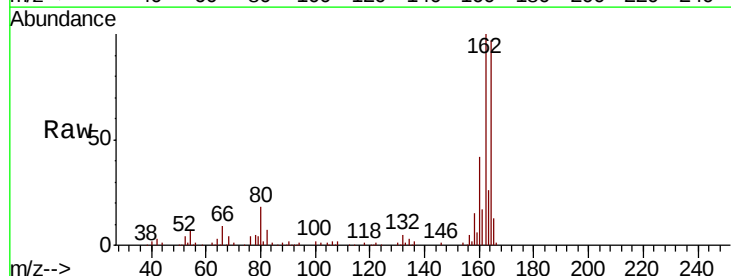
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 7.334 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	47.0	70.6#
89	1.6	45.8	68.8#

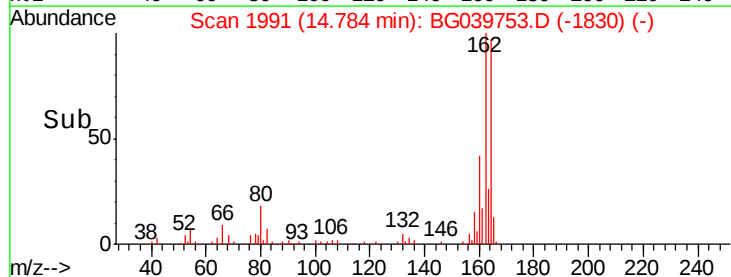
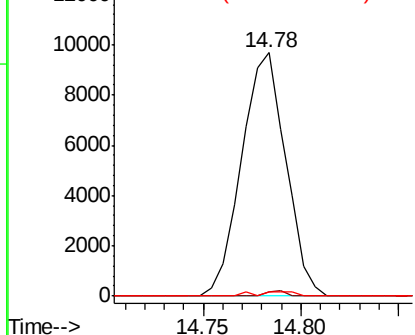


Abundance

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

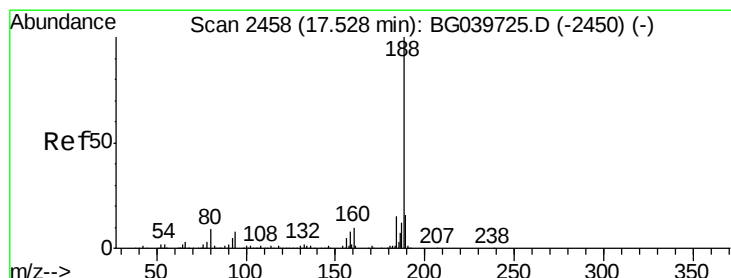
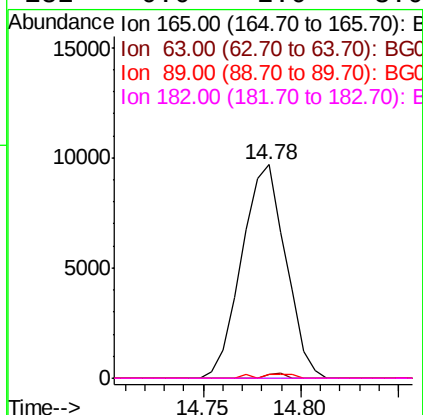
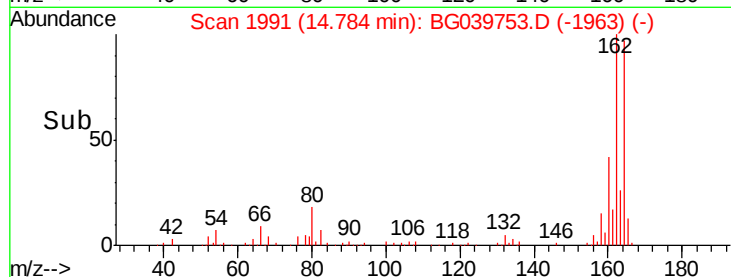
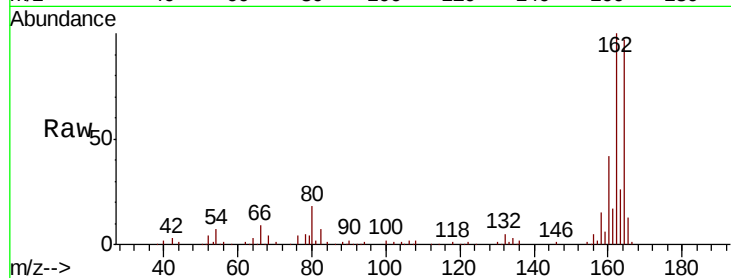




#57
 2,4-Dinitrotoluene
 Concen: 5.219 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.37 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

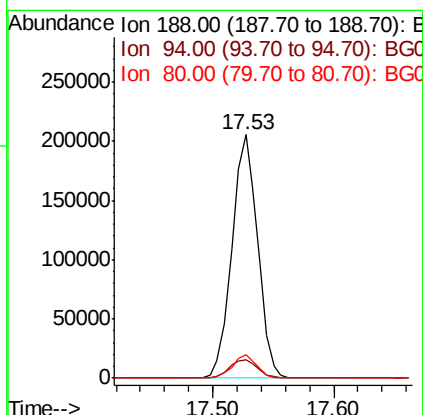
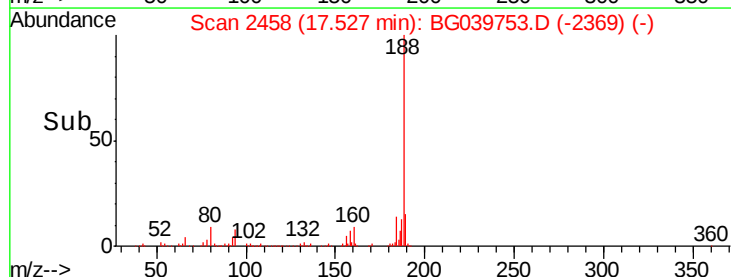
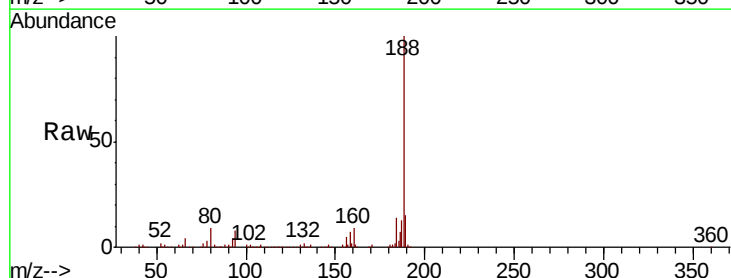
Instrument :
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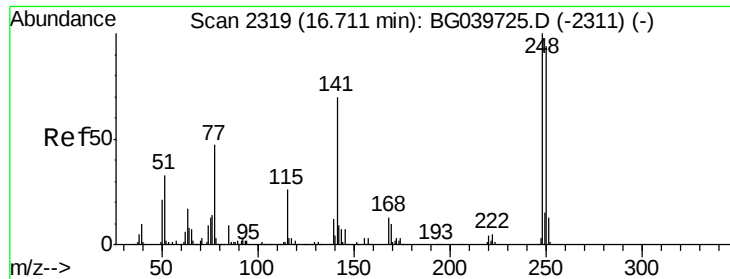
Tgt Ion:	165	Resp:	15124
Ion	Ratio	Lower	Upper
165	100		
63	1.9	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

Tgt Ion:	188	Resp:	304857
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.4	8.1	12.1

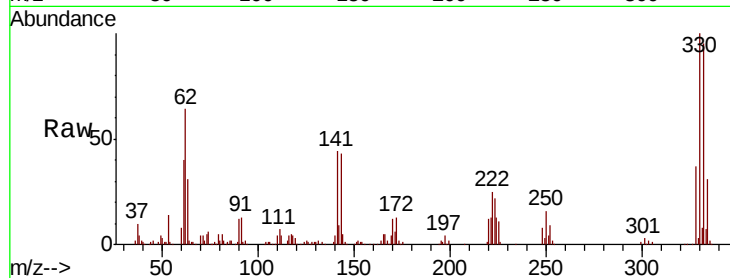




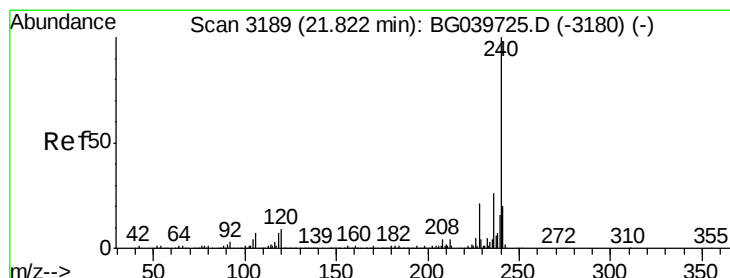
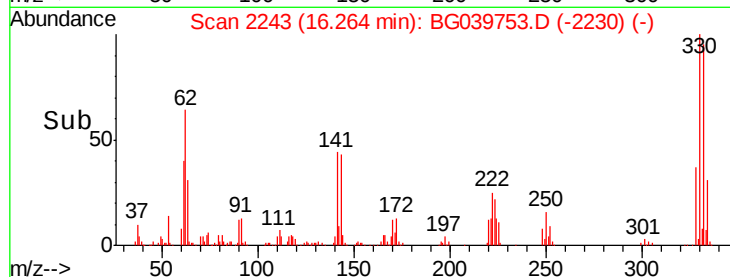
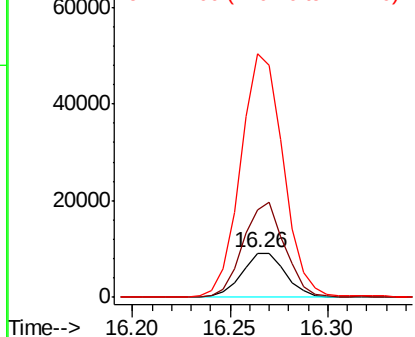
#67
 4-Bromophenyl-phenylether
 Concen: 4.163 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :
 PB117574TB

Tgt Ion:248 Resp: 14206
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.6 116.4#
 141 554.1 63.9 95.9#

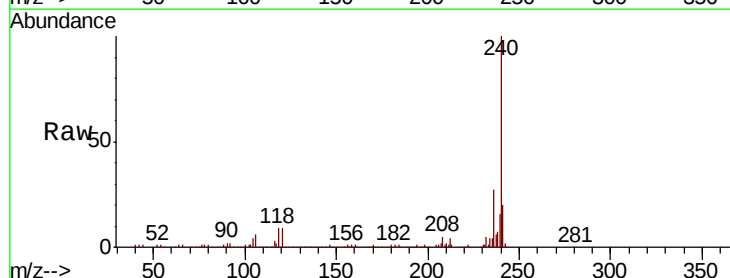


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

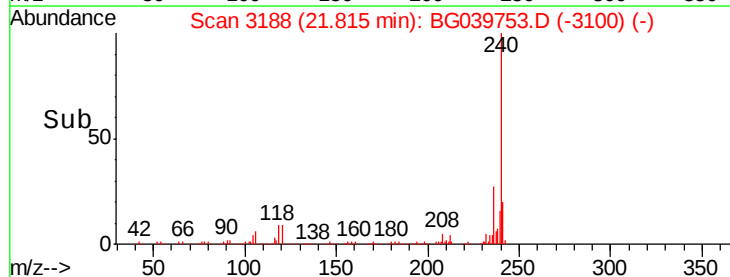
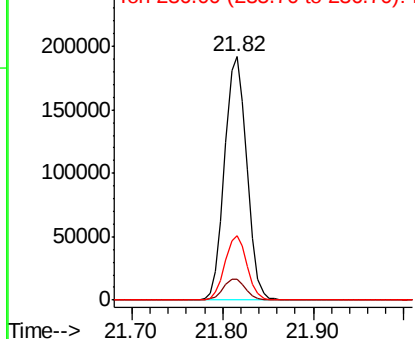


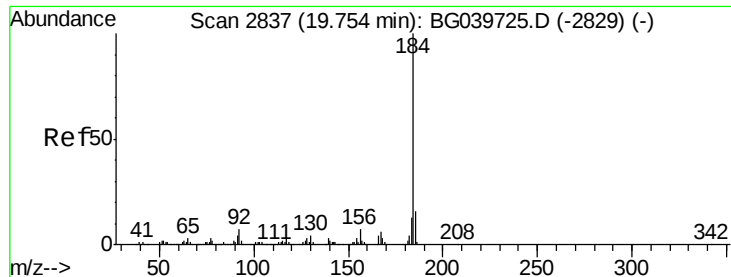
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG039753.D
 Acq: 5 Mar 2019 6:13

Tgt Ion:240 Resp: 326216
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 26.5 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: 2.000 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

PB117574TB

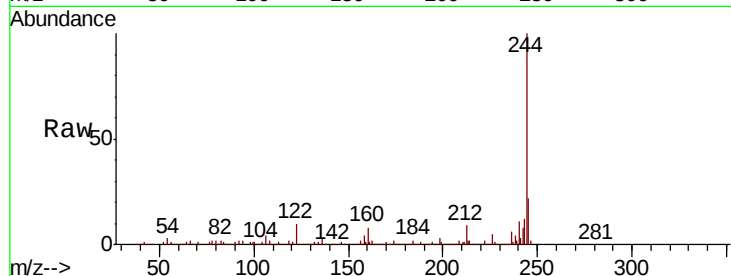
Tgt Ion:184 Resp: 20708

Ion Ratio Lower Upper

184 100

185 19.7 12.2 18.2#

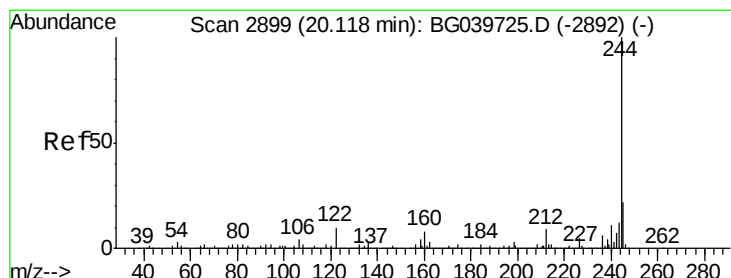
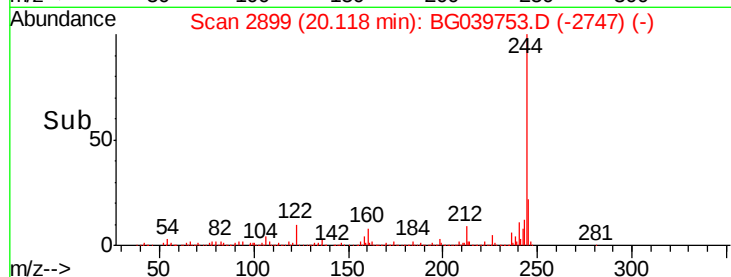
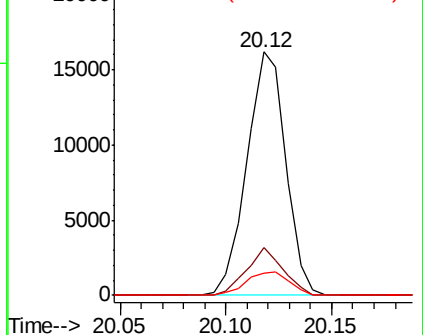
183 9.3 10.6 15.8#



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: 83.954 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039753.D

Acq: 5 Mar 2019 6:13

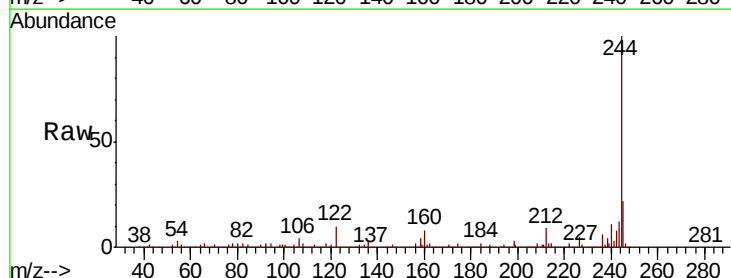
Tgt Ion:244 Resp: 1243845

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

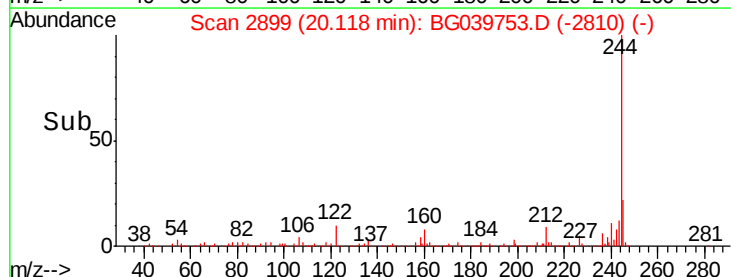
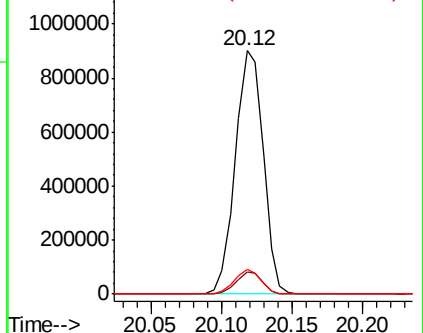
122 10.3 8.4 12.6

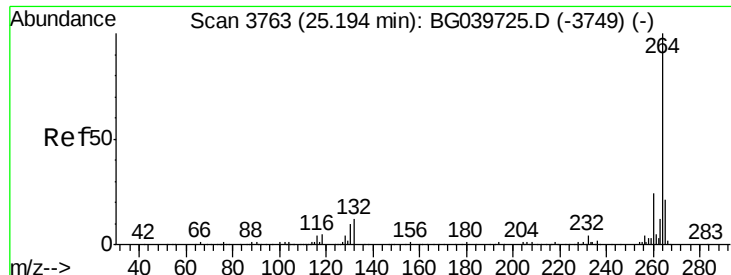


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

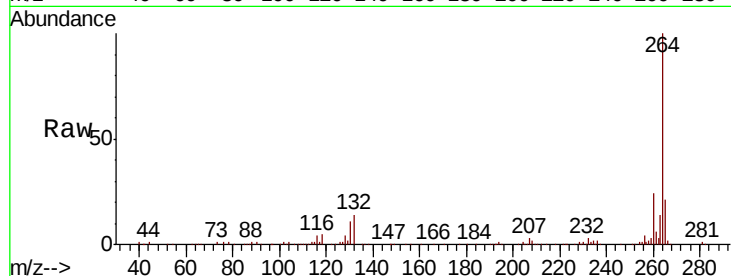




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG039753.D
Acq: 5 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :
PB117574TB

Tgt Ion:	264	Resp:	323981
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	20.5	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

