

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031419\
 Data File : BG039931.D
 Acq On : 14 Mar 2019 19:01
 Operator : JU/SJ
 Sample : K1894-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW11-GW

Quant Time: Mar 15 08:10:22 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

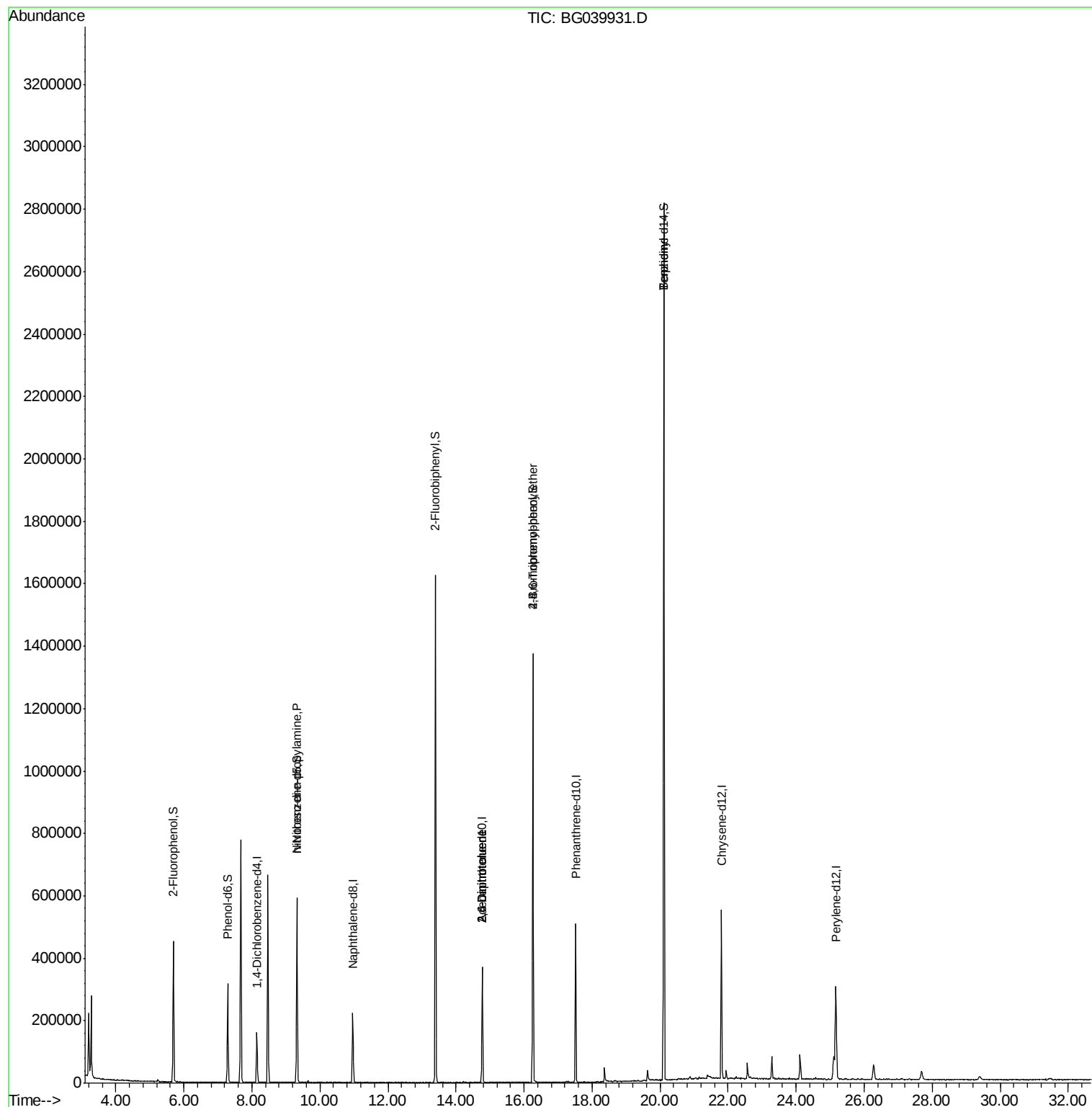
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44699	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	189387	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	128684	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	322411	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	324016	20.00	ng	-0.03
87) Perylene-d12	25.17	264	327714	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	190643	72.76	ng	-0.02
7) Phenol-d6	7.29	99	179431	45.93	ng	-0.02
23) Nitrobenzene-d5	9.32	82	346143	98.85	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	233275	155.53	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	856386	94.76	ng	-0.02
79) Terphenyl-d14	20.11	244	1329896	90.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	45471	16.171	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	17096	7.494	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	17096	5.334	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	17838	4.943	ng	# 1
77) Benzidine	20.11	184	24257	2.359	ng	# 93

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

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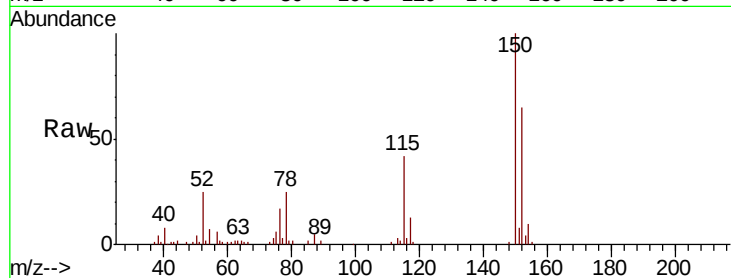


#1

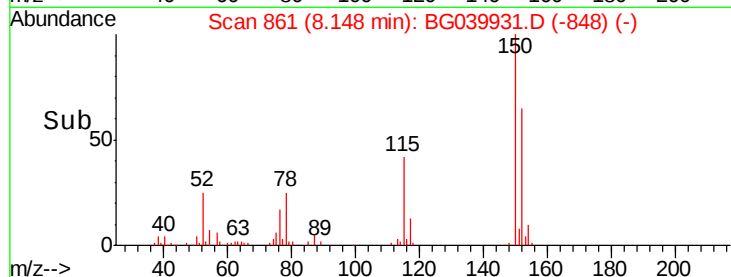
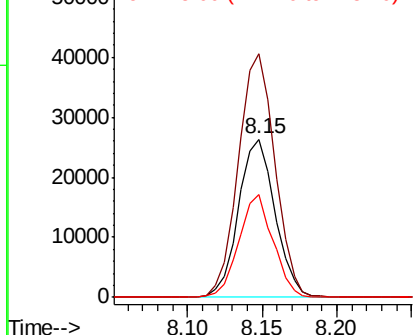
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW11-GW

Tot Ion:152 Resp: 44699
Ion Ratio Lower Upper
152 100
150 153.6 123.7 185.5
115 65.1 45.9 68.9



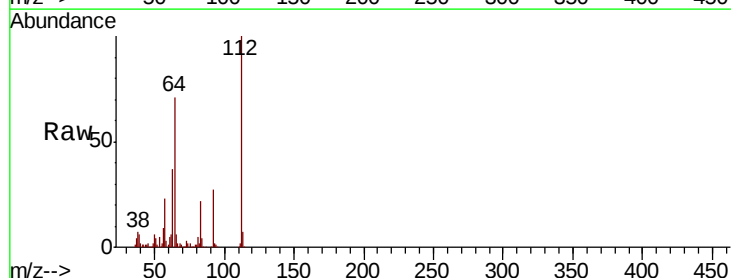
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



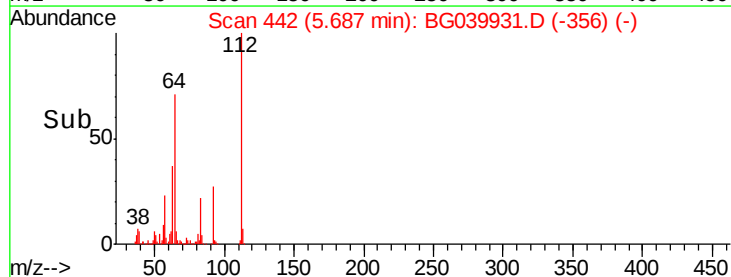
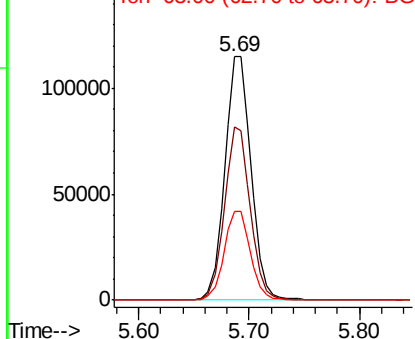
#5

2-Fluorophenol
Concen: 72.762 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.02 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

Tgt Ion:112 Resp: 190643
Ion Ratio Lower Upper
112 100
64 71.0 57.8 86.8
63 36.7 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: 45.929 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW11-GW

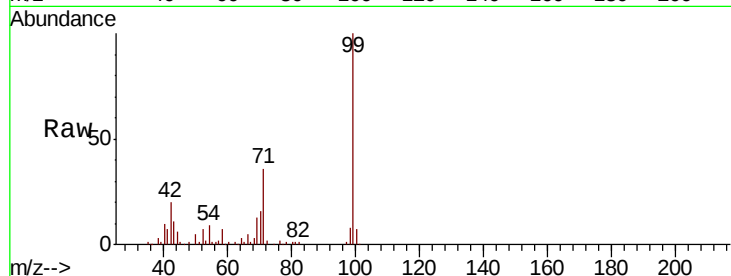
Tot Ion: 99 Resp: 179431

Ion Ratio Lower Upper

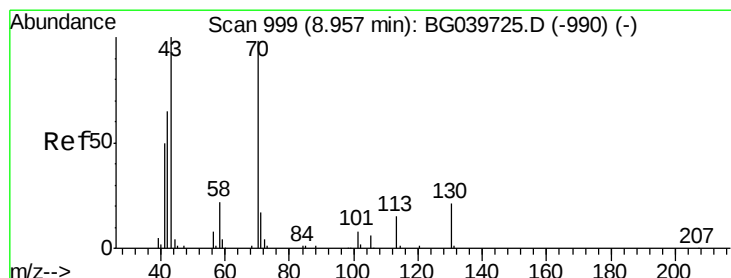
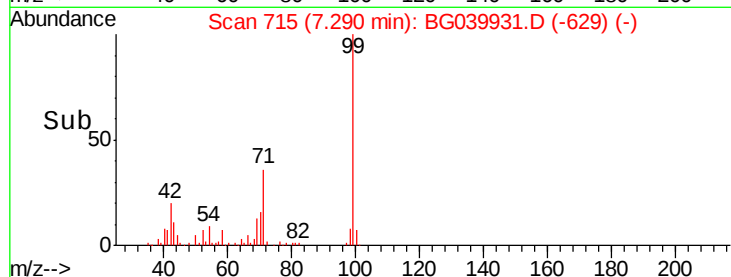
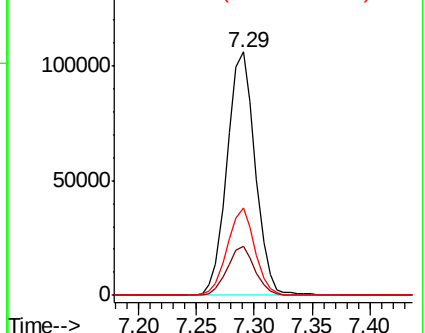
99 100

42 19.9 18.2 27.2

71 35.7 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: 16.171 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

Tgt Ion: 70 Resp: 45471

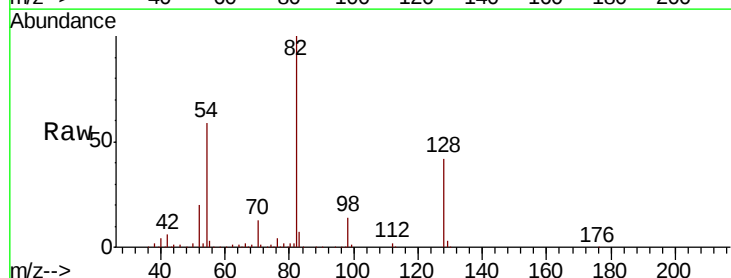
Ion Ratio Lower Upper

70 100

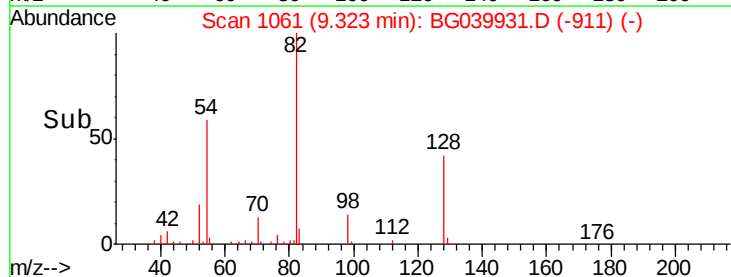
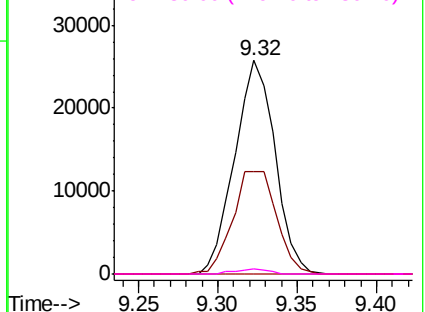
42 48.1 60.4 90.6#

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

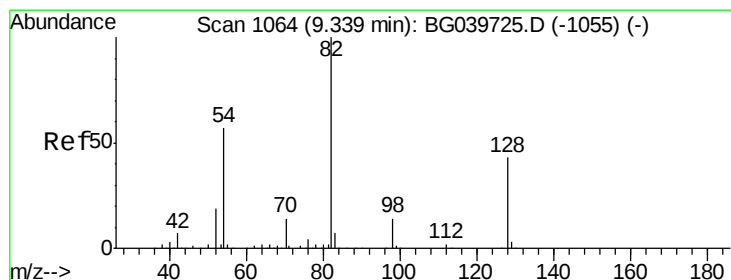
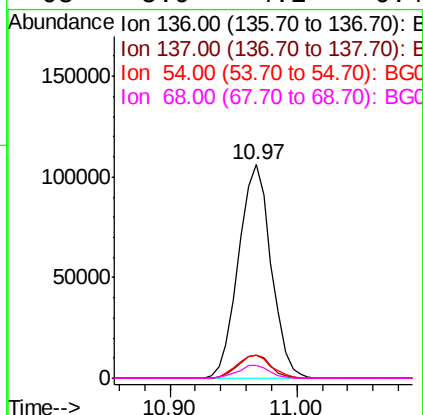
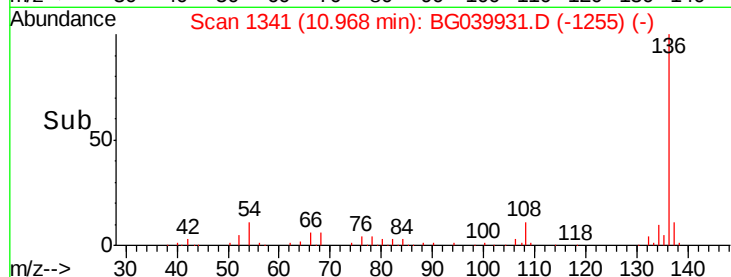
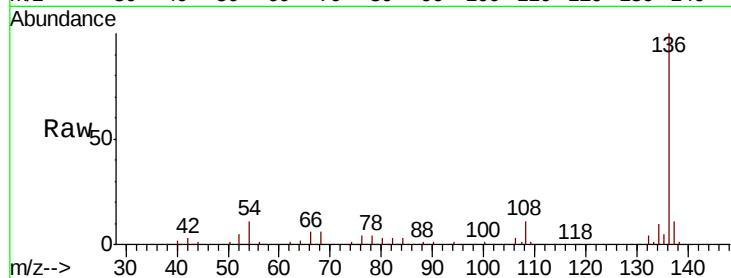




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

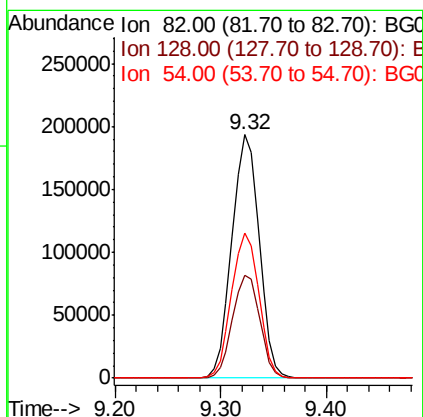
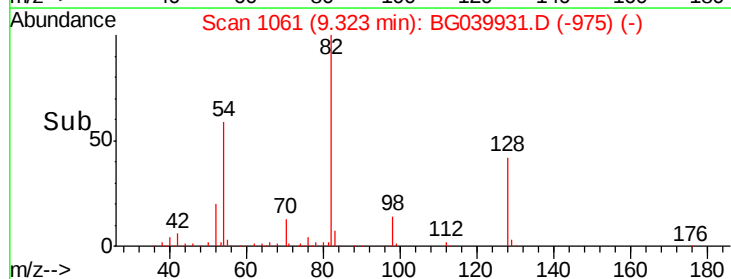
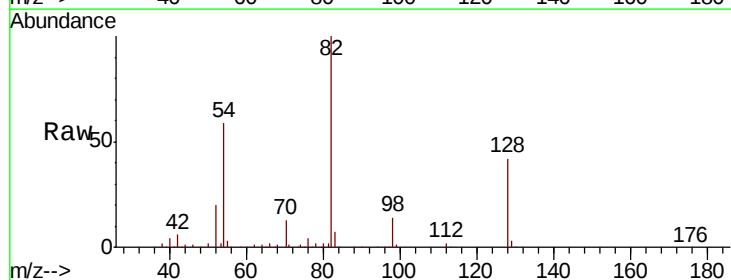
Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW11-GW

Tot Ion:136	Resp:	189387
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	10.7	9.4 14.2
68	5.9	4.2 6.4



#23
Nitrobenzene-d5
Concen: 98.850 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

Tgt Ion: 82	Resp:	346143
Ion Ratio	Lower	Upper
82	100	
128	42.2	31.3 46.9
54	59.5	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW11-GW

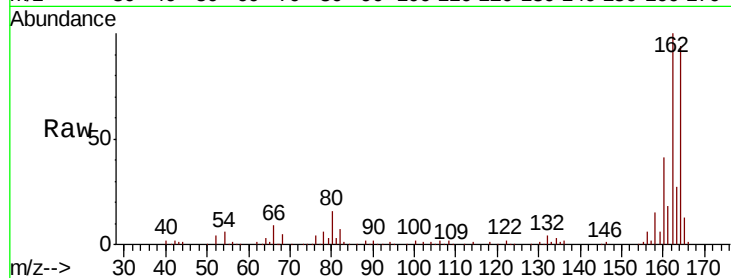
Tot Ion:164 Resp: 128684

Ion Ratio Lower Upper

164 100

162 106.8 81.6 122.4

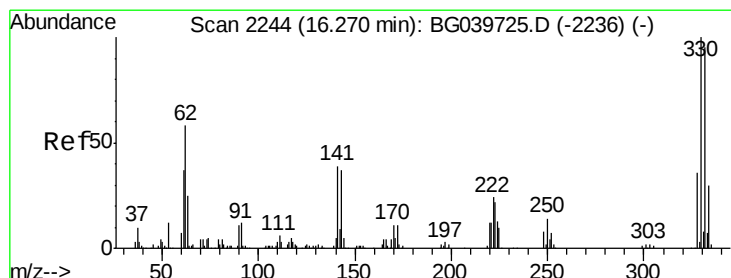
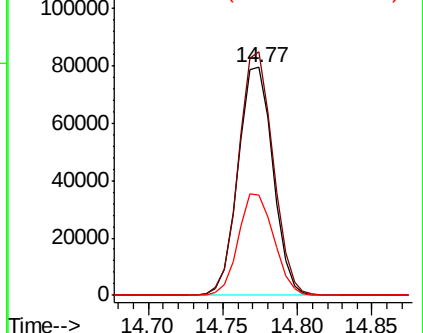
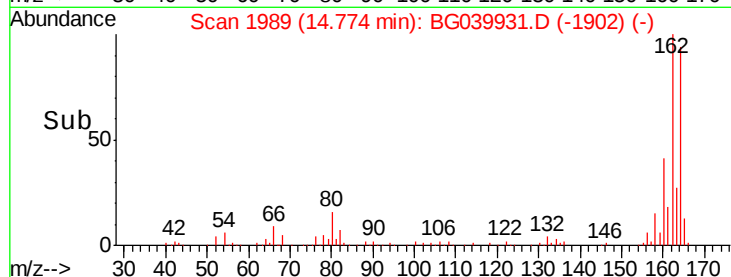
160 44.0 34.2 51.2



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: 155.526 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

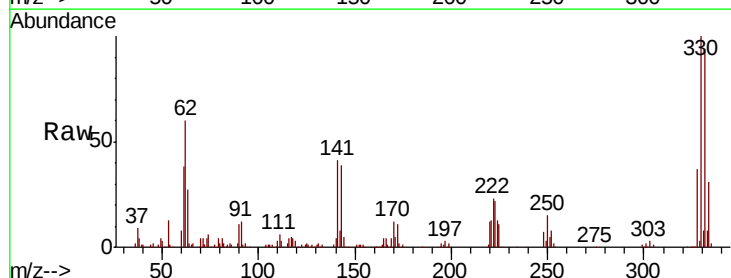
Tgt Ion:330 Resp: 233275

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

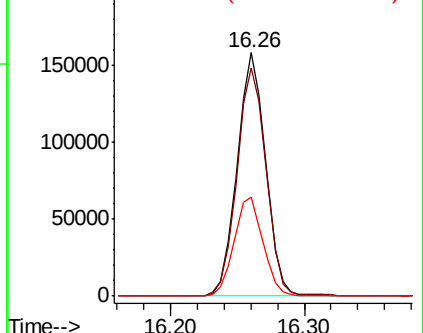
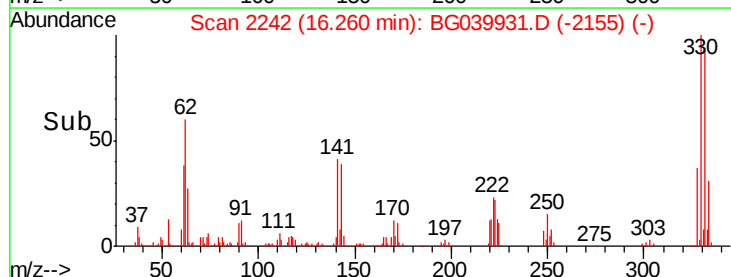
141 41.7 35.6 53.4



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

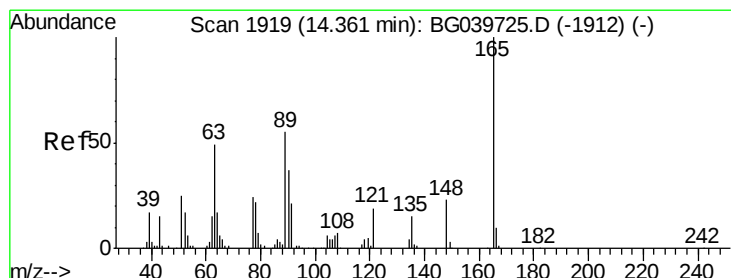
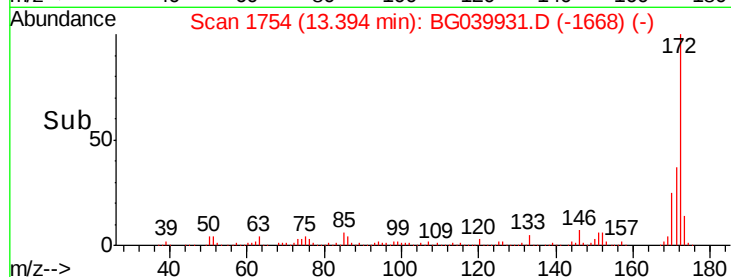
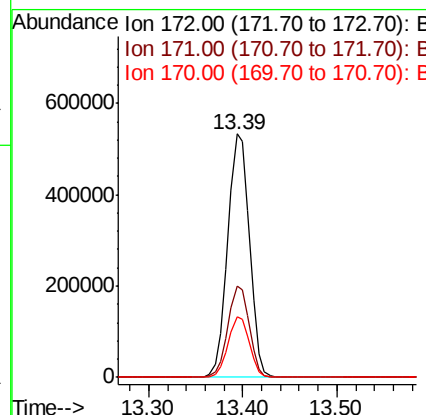
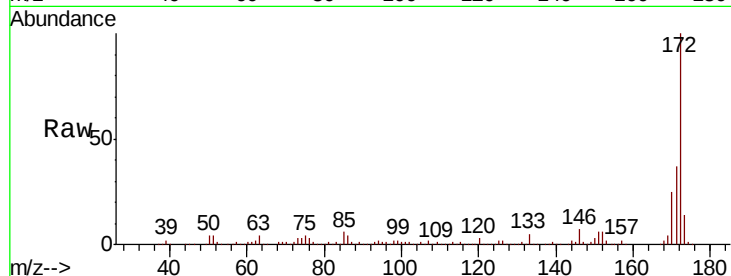




#45
 2-Fluorobiphenyl
 Concen: 94.755 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039931.D
 Acq: 14 Mar 2019 19:01

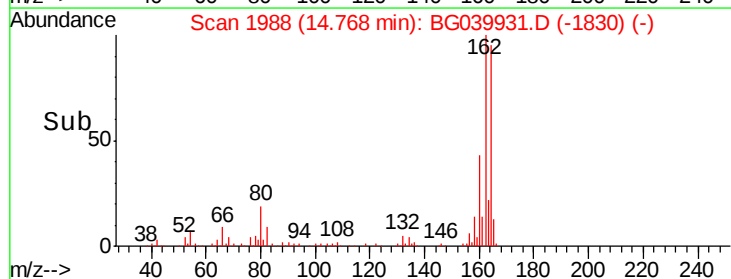
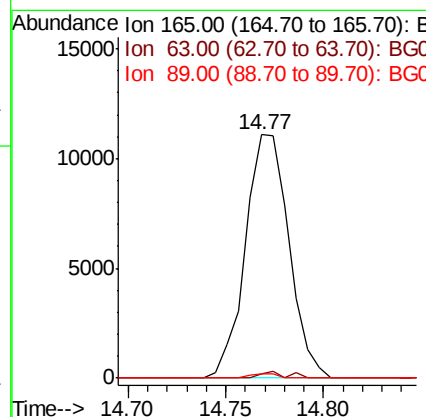
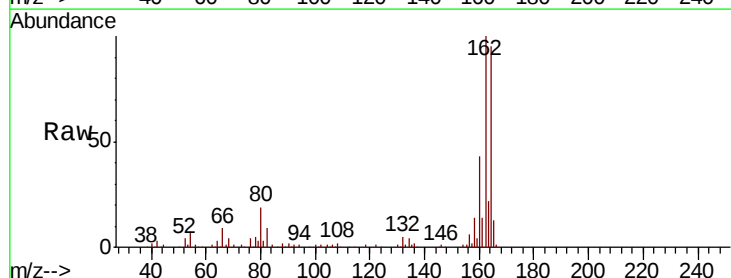
Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW11-GW

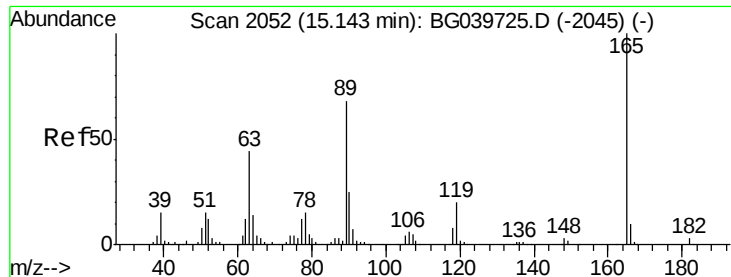
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.8	46.2
170	25.1	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.494 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG039931.D
 Acq: 14 Mar 2019 19:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	1.6	45.8	68.8#

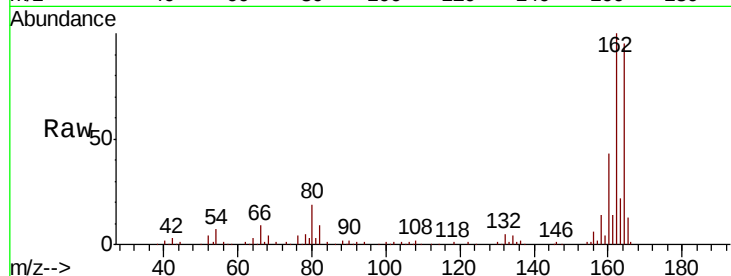




#57
 2,4-Dinitrotoluene
 Concen: 5.334 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG039931.D
 Acq: 14 Mar 2019 19:01

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW11-GW

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#

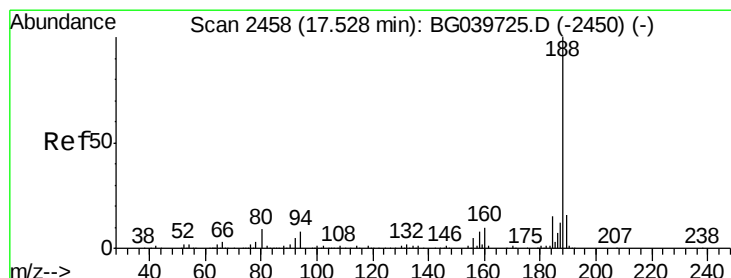
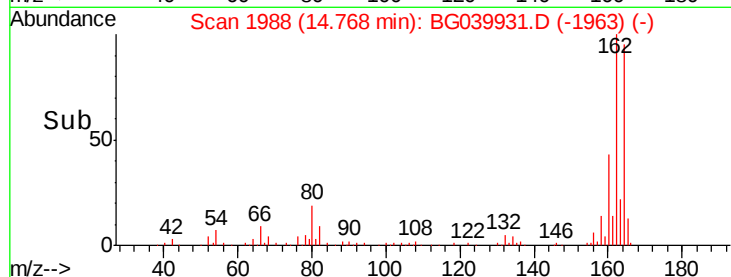
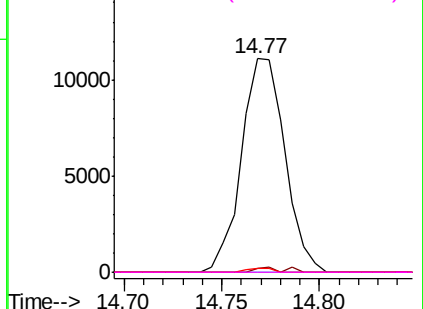


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

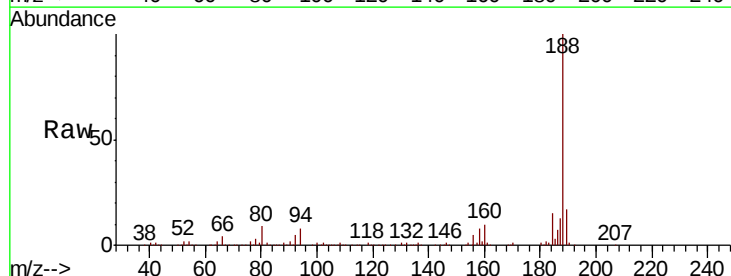
Ion 89.00 (88.70 to 89.70): BGC

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: BG039931.D
 Acq: 14 Mar 2019 19:01

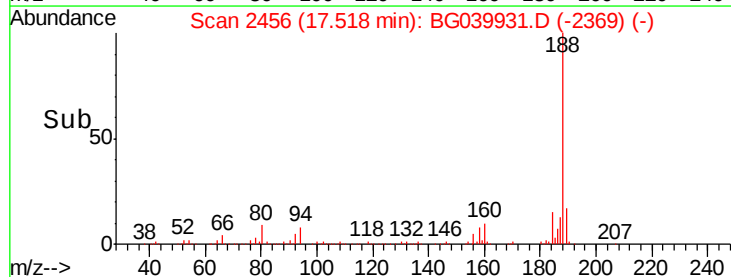
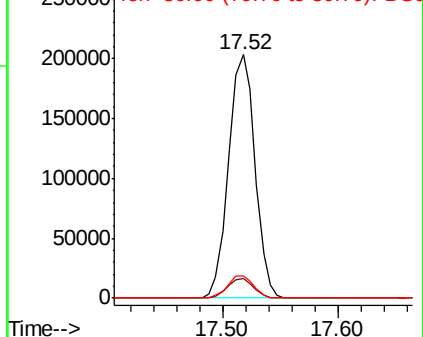
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	9.1	8.1	12.1

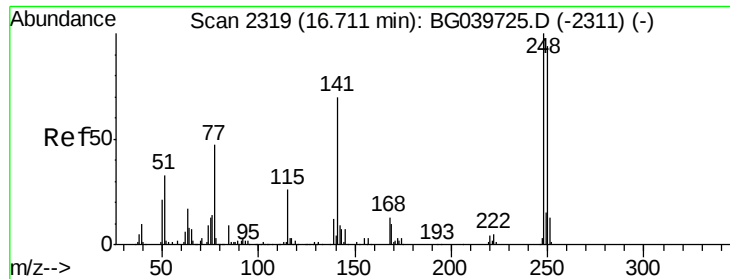


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

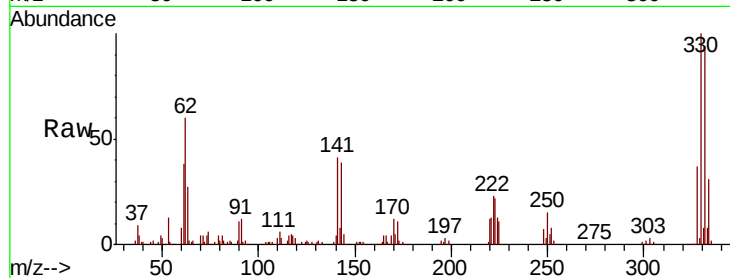




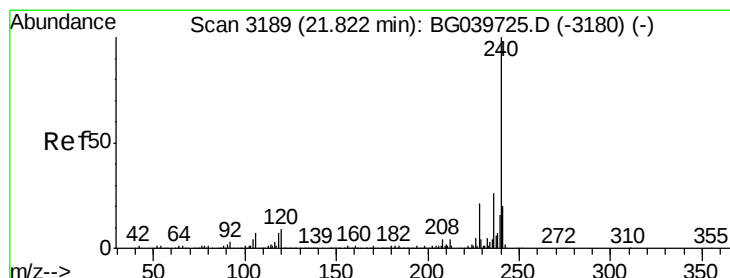
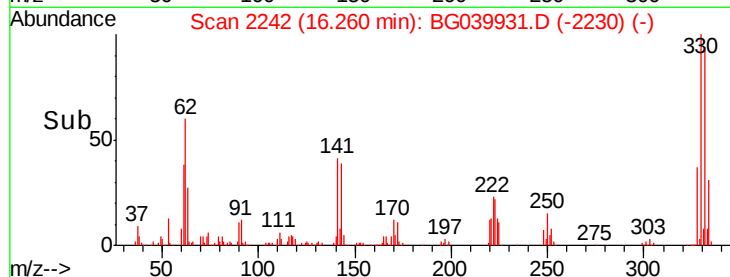
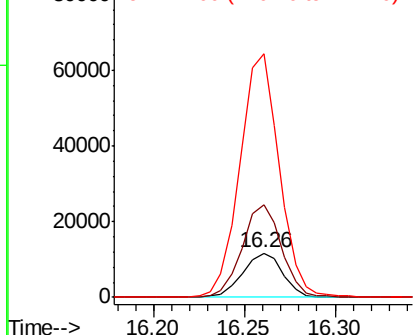
#67
4-Bromophenyl-phenylether
Concen: 4.943 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW11-GW

Tot Ion:248 Resp: 17838
Ion Ratio Lower Upper
248 100
250 209.2 77.6 116.4#
141 549.1 63.9 95.9#

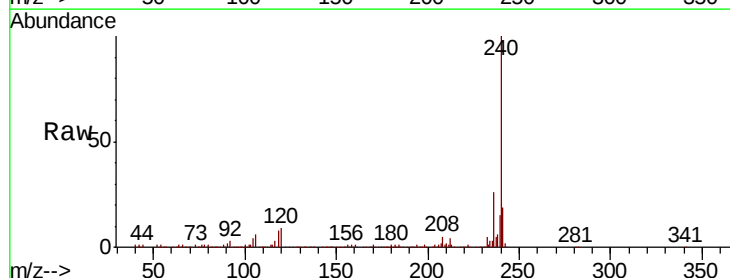


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

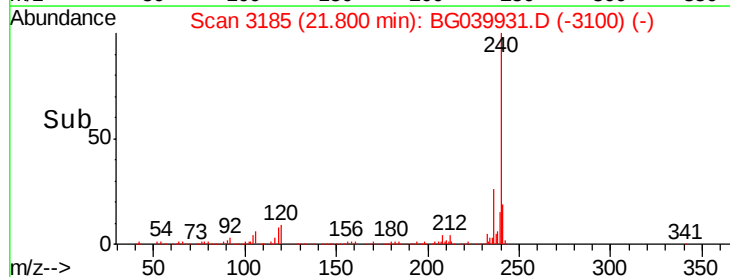
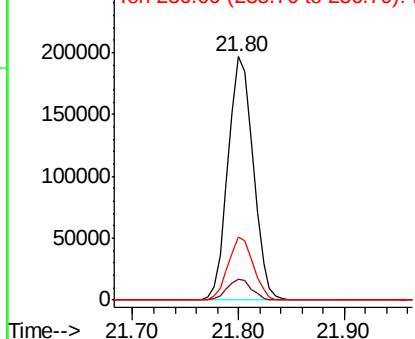


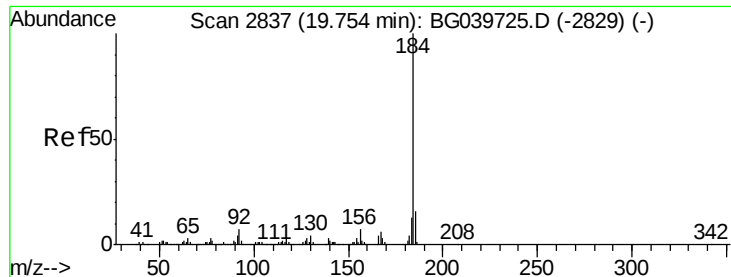
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG039931.D
Acq: 14 Mar 2019 19:01

Tgt Ion:240 Resp: 324016
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.1 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: 2.359 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW11-GW

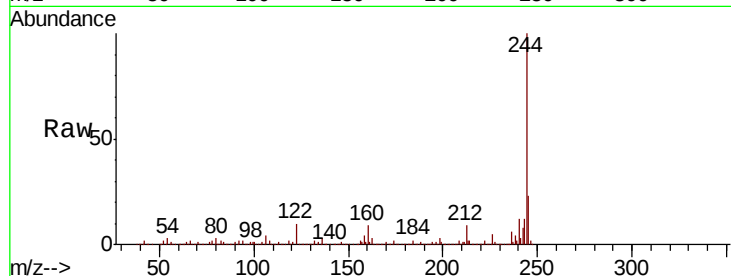
Tot Ion:184 Resp: 24257

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.2

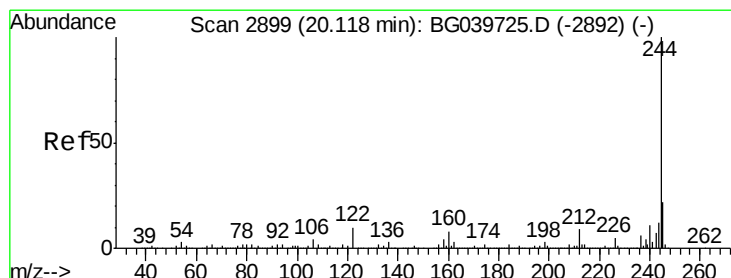
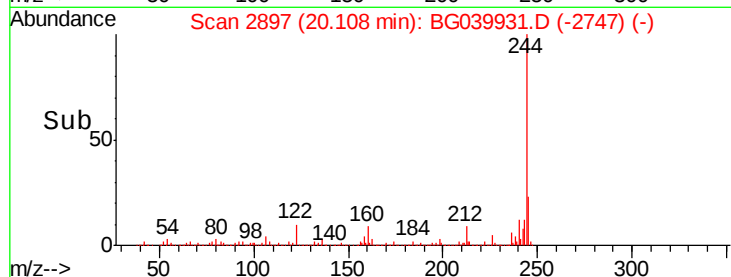
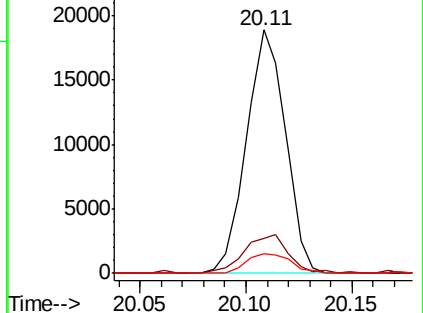
183 8.0 10.6 15.8#



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: 90.371 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039931.D

Acq: 14 Mar 2019 19:01

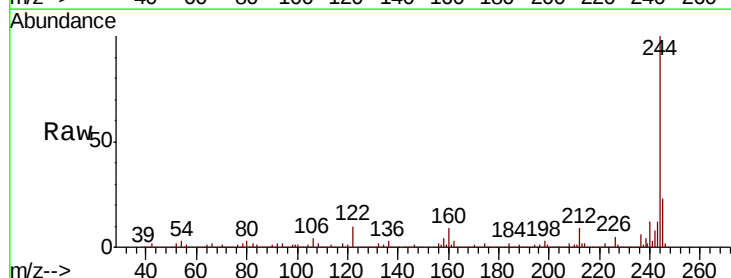
Tgt Ion:244 Resp: 1329896

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

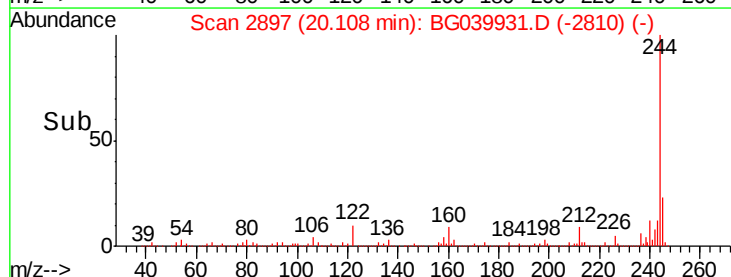
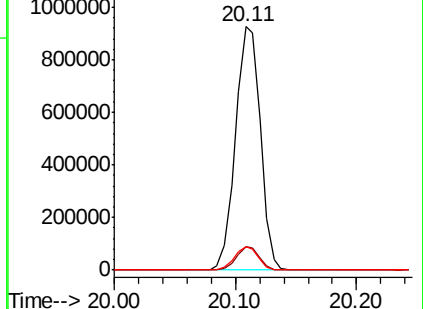
122 9.7 8.4 12.6

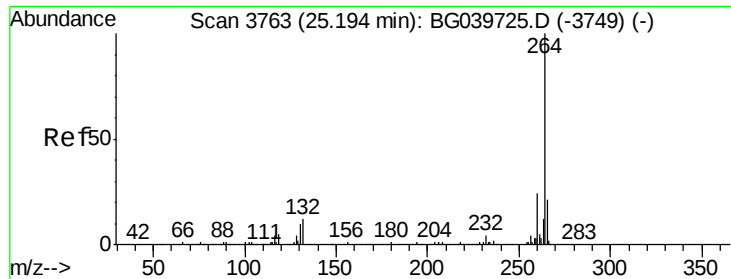


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.17 min Scan# 3758
 Delta R.T. -0.03 min
 Lab File: BG039931.D
 Acq: 14 Mar 2019 19:01

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW11-GW

Tot Ion: 264 Resp: 327714
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.2 27.4
 265 20.3 18.5 27.7

