

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039103.D
 Acq On : 12 Jan 2019 2:38
 Operator : JU/SJ
 Sample : PB116333BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 04:10:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

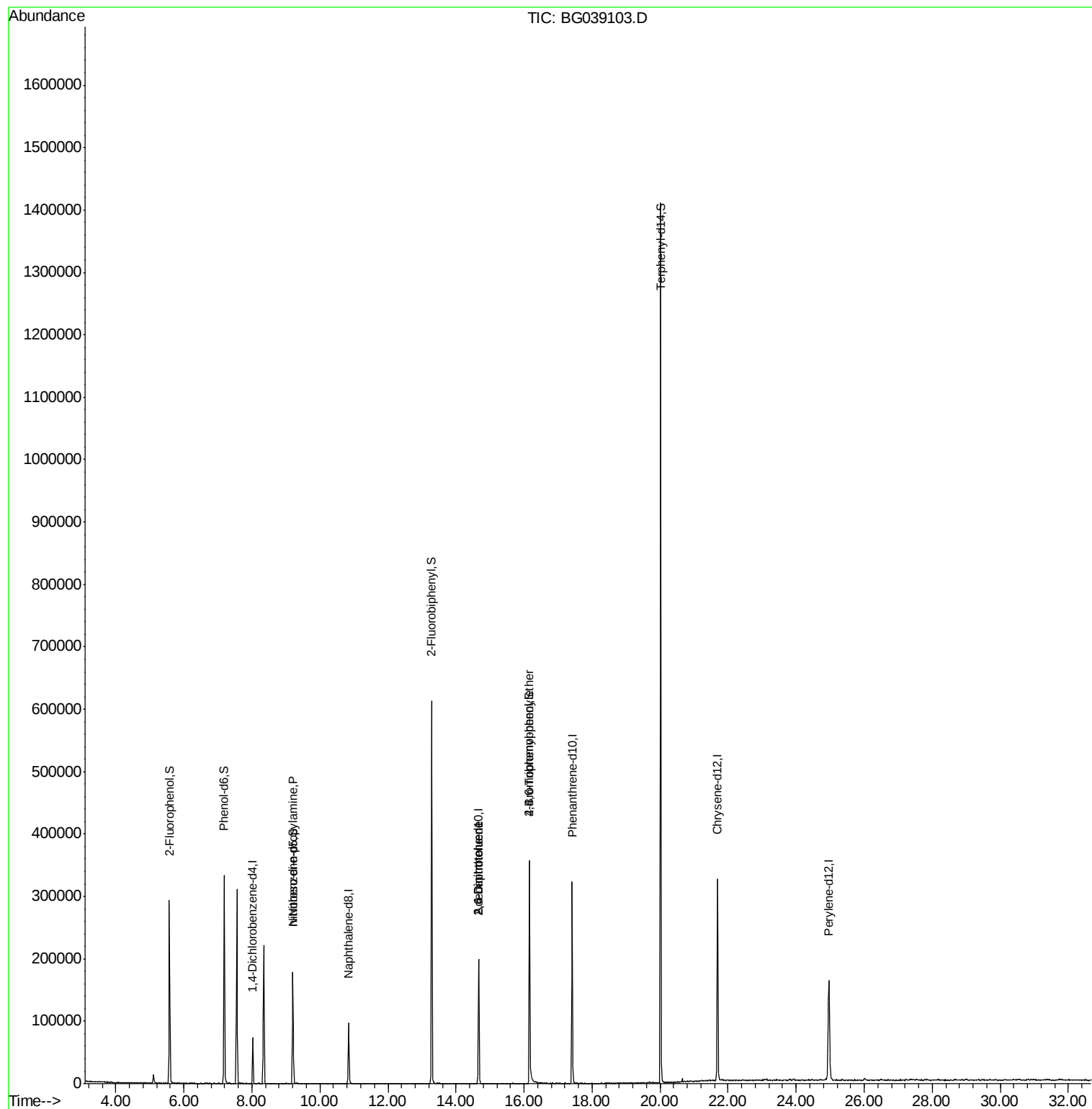
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	22171	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	94791	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	76103	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	216824	20.00	ng	0.00
76) Chrysene-d12	21.69	240	215691	20.00	ng	-0.02
87) Perylene-d12	24.96	264	207579	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	146636	125.46	ng	0.00
7) Phenol-d6	7.18	99	213528	126.95	ng	0.00
23) Nitrobenzene-d5	9.20	82	116528	67.27	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	87318	68.45	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	339204	61.00	ng	0.00
79) Terphenyl-d14	20.02	244	729585	62.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	14087	12.754	ng	# 67
51) 2,6-Dinitrotoluene	14.66	165	9999	6.954	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	9999	4.847	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	5802	2.082	ng	# 1

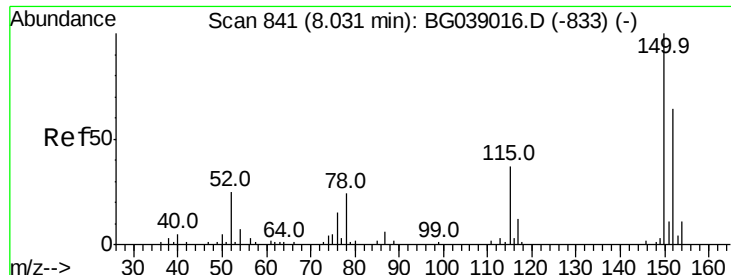
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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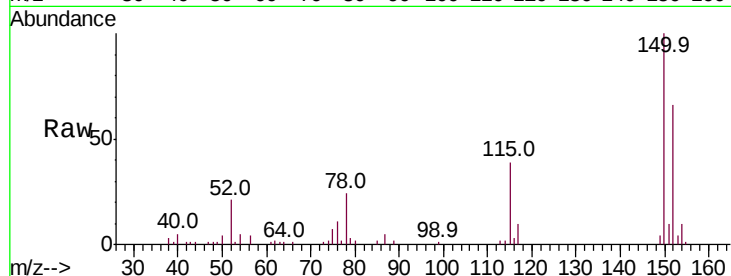


#1

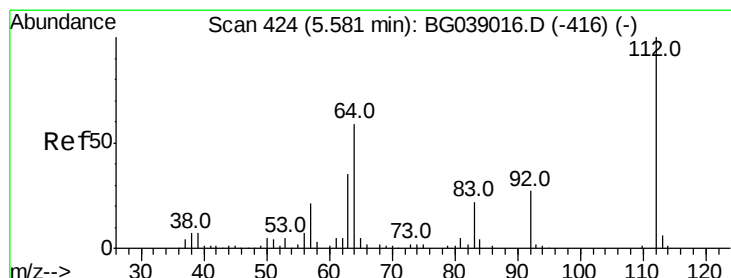
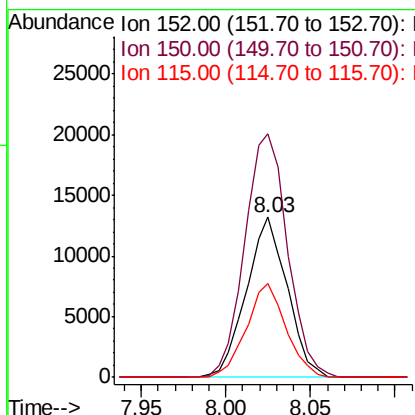
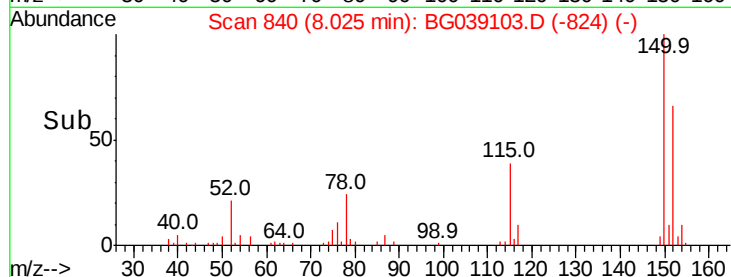
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039103.D
Acq: 12 Jan 2019 2:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22171
Ion Ratio Lower Upper
152 100
150 152.2 124.7 187.1
115 58.9 46.5 69.7



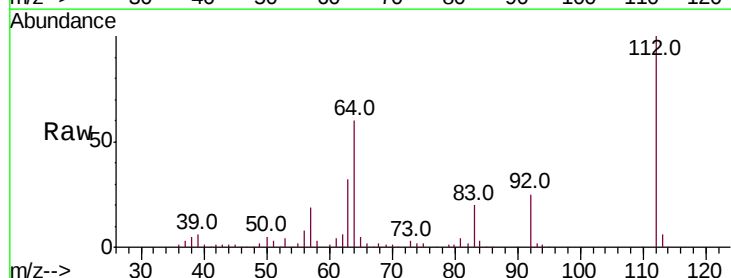
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



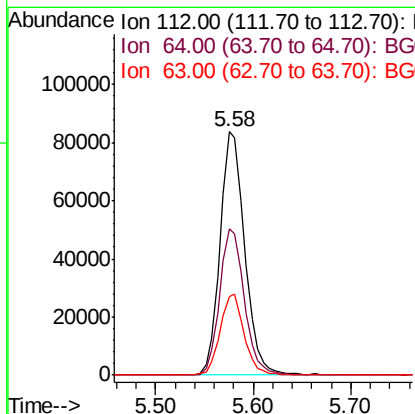
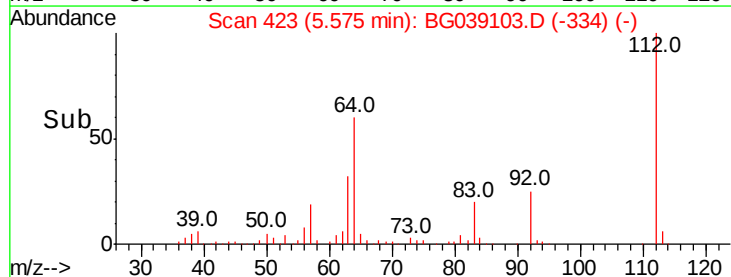
#5

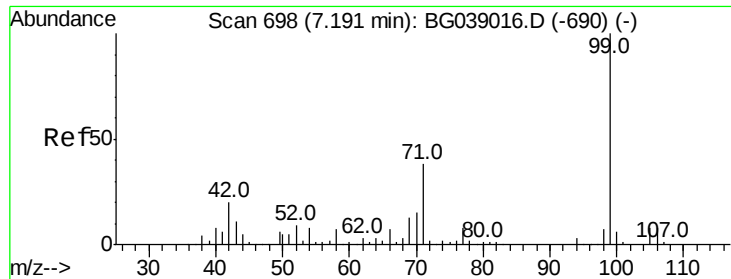
2-Fluorophenol
Concen: 125.464 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039103.D
Acq: 12 Jan 2019 2:38

Tgt Ion:112 Resp: 146636
Ion Ratio Lower Upper
112 100
64 60.3 47.0 70.6
63 32.2 28.0 42.0



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: 126.950 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

Instrument :

BNA_G

ClientSampleId :

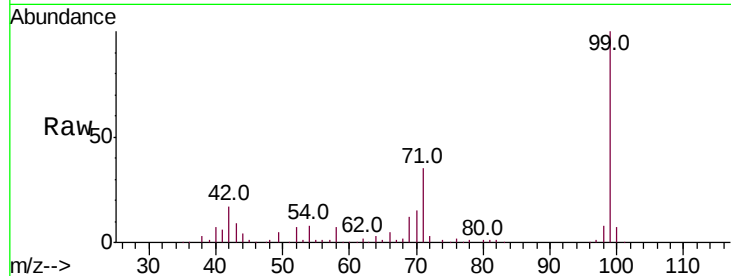
Tot Ion: 99 Resp: 213528

Ion Ratio Lower Upper

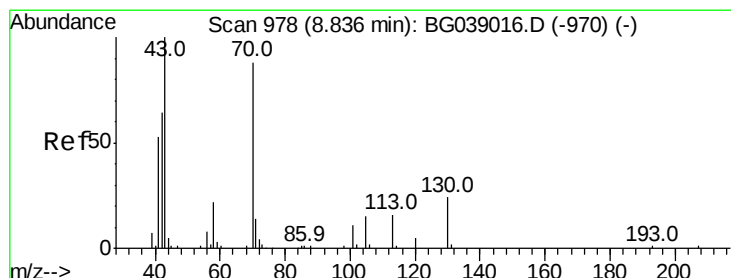
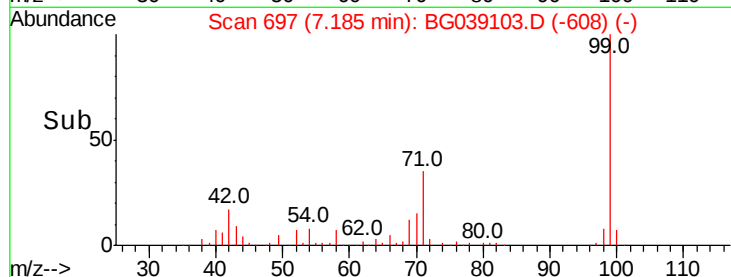
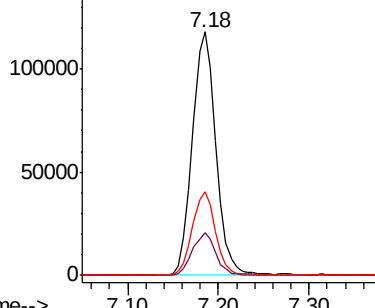
99 100

42 17.3 15.8 23.6

71 34.6 30.2 45.4



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: 12.754 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

Tgt Ion: 70 Resp: 14087

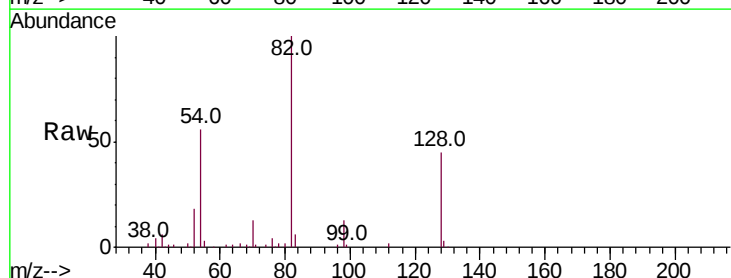
Ion Ratio Lower Upper

70 100

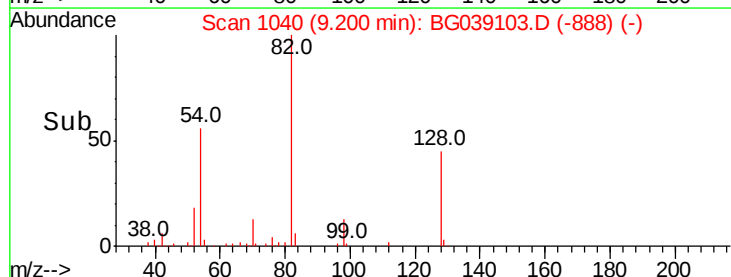
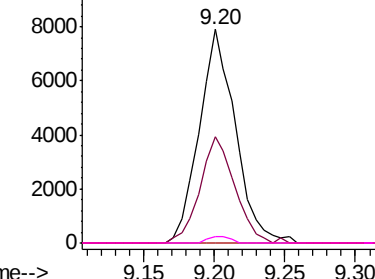
42 49.7 59.0 88.4#

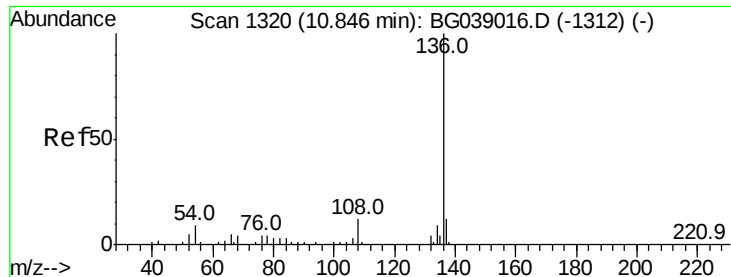
101 0.0 10.4 15.6#

130 2.7 21.6 32.4#



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: 10.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 94791

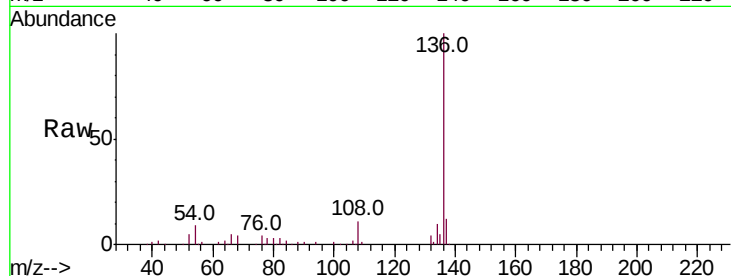
Ion Ratio Lower Upper

136 100

137 12.1 9.4 14.2

54 8.7 7.2 10.8

68 4.3 3.5 5.3

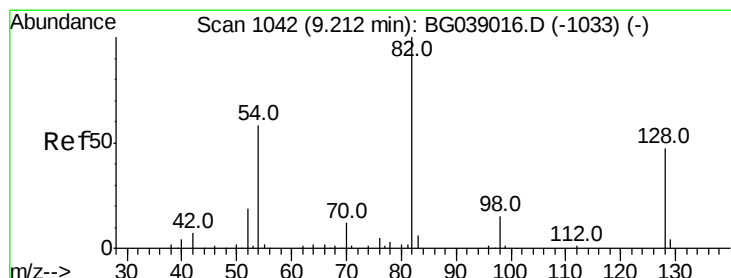
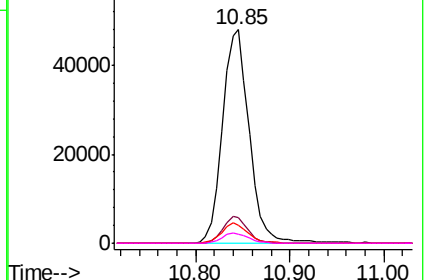
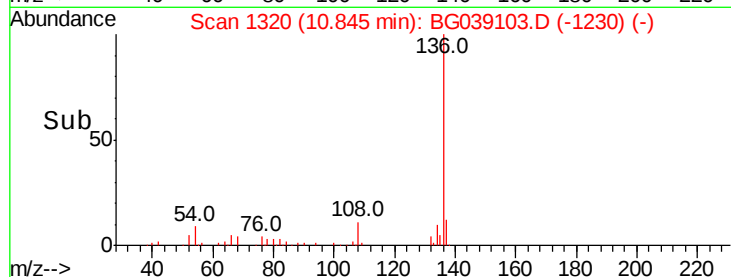


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.267 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

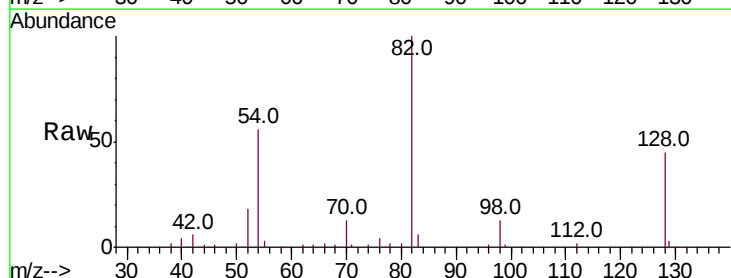
Tgt Ion: 82 Resp: 116528

Ion Ratio Lower Upper

82 100

128 45.2 37.3 55.9

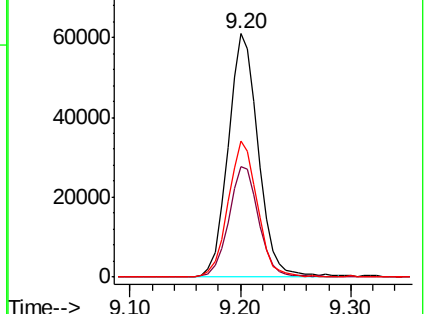
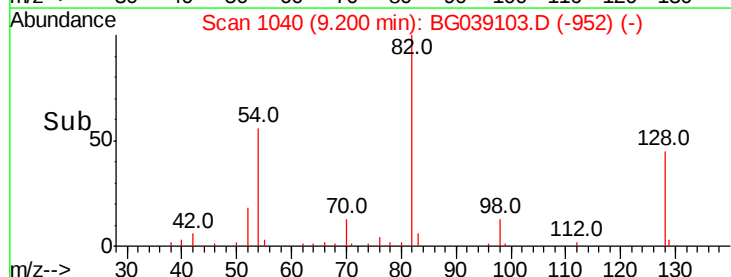
54 56.0 46.4 69.6

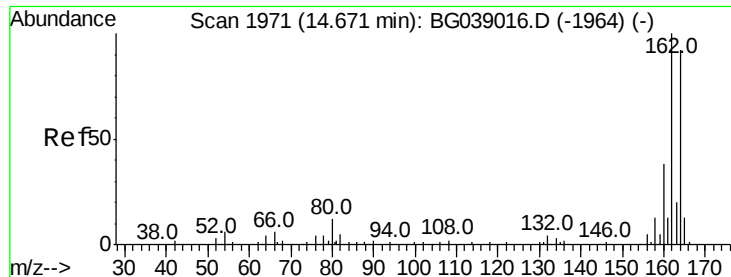


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

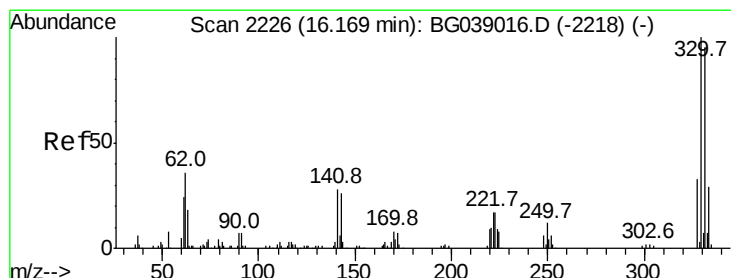
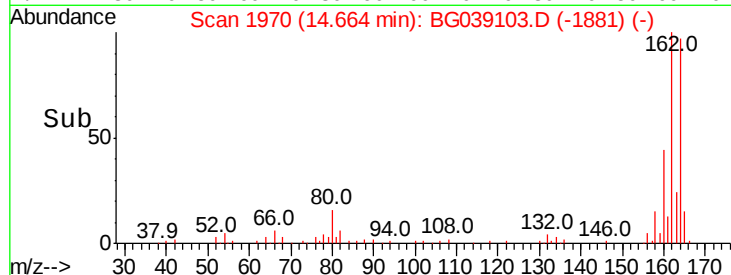
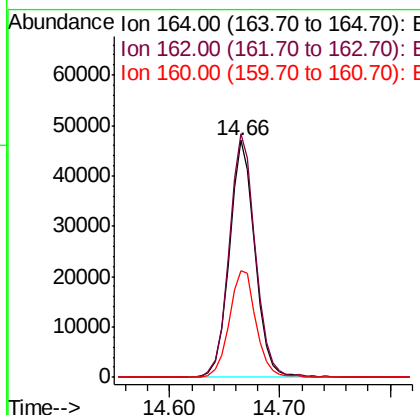
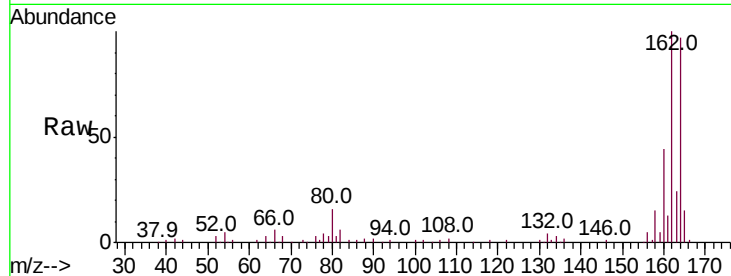




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

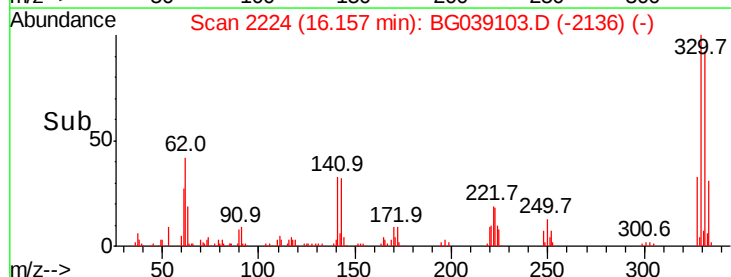
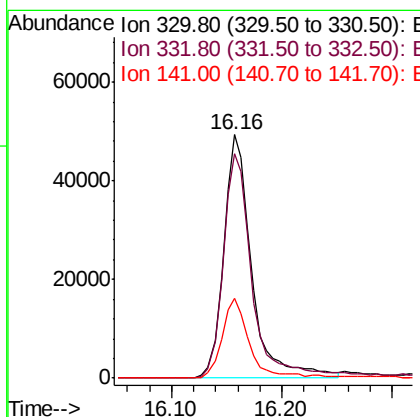
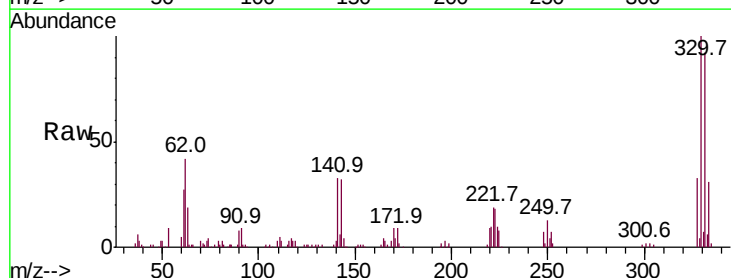
Instrument :
 BNA_G
 ClientSampleId :

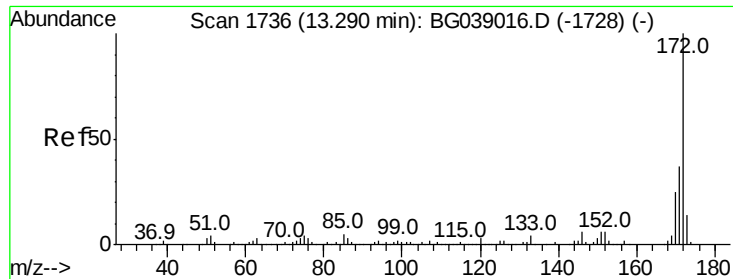
Tot Ion:164 Resp: 76103
 Ion Ratio Lower Upper
 164 100
 162 102.7 87.2 130.8
 160 44.9 33.3 49.9



#42
 2,4,6-Tribromophenol
 Concen: 68.447 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

Tgt Ion:330 Resp: 87318
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.7 113.5
 141 32.1 24.9 37.3

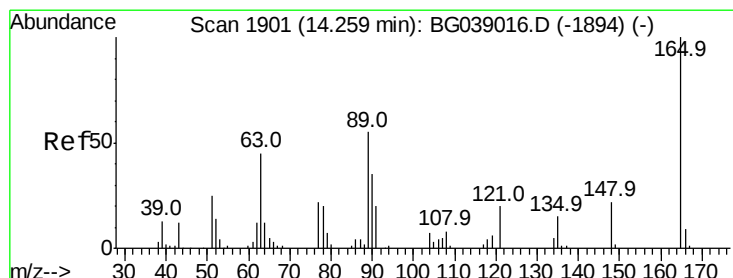
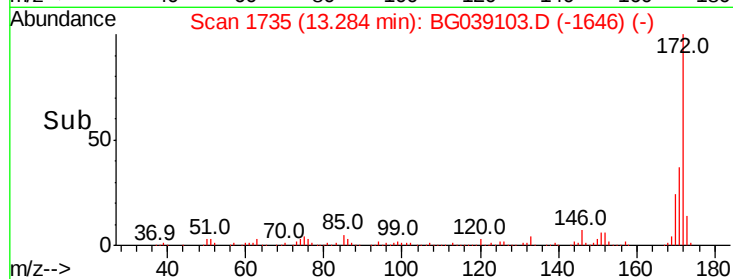
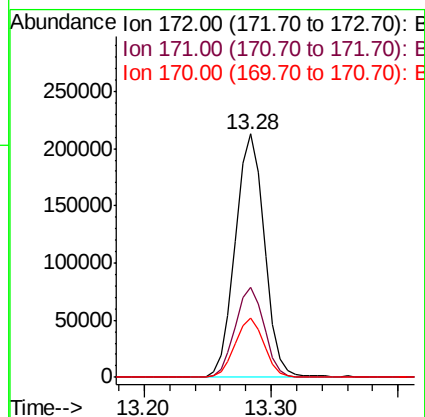
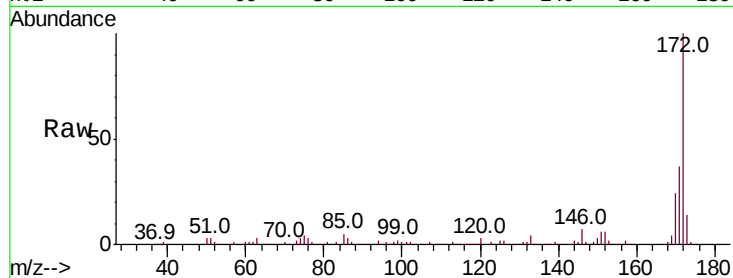




#45
 2-Fluorobiphenyl
 Concen: 60.999 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

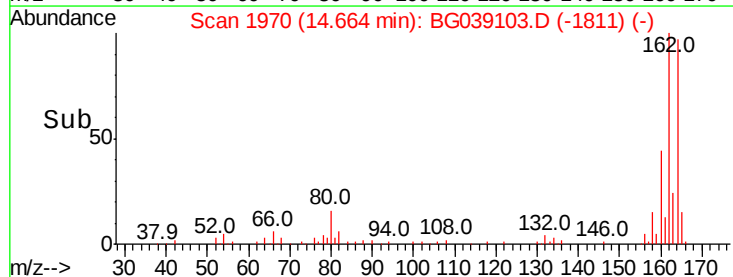
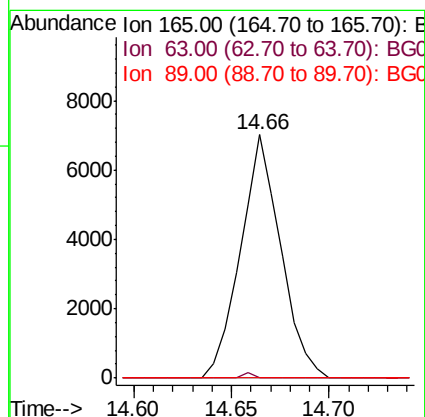
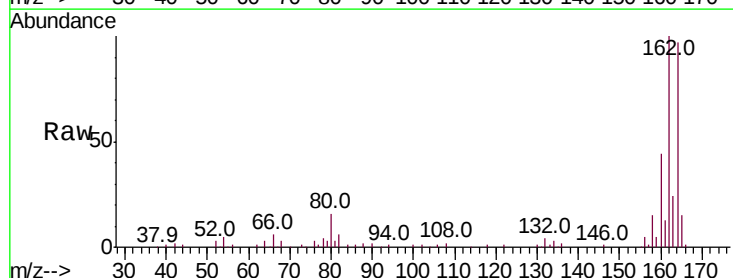
Instrument :
 BNA_G
 ClientSampleId :

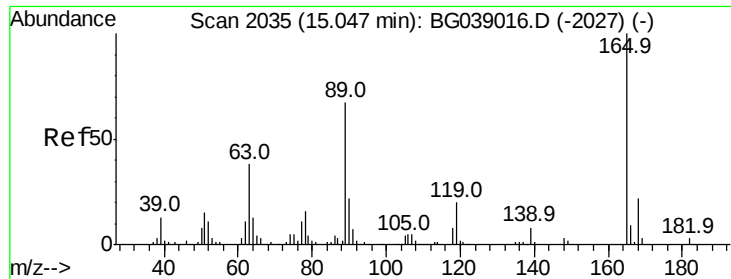
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	24.4	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.954 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.41 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

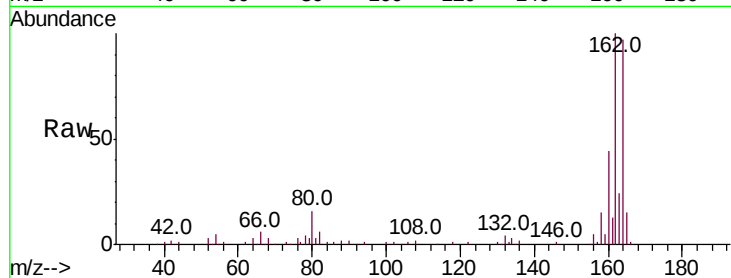




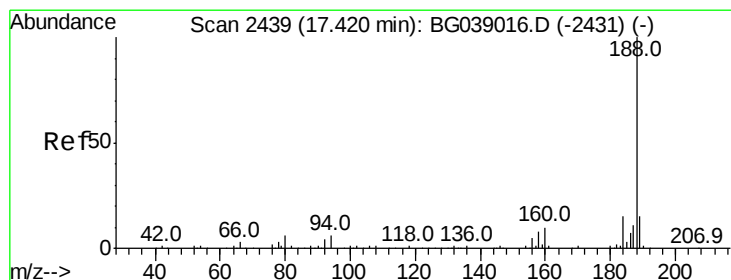
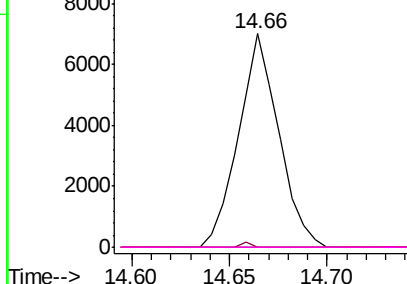
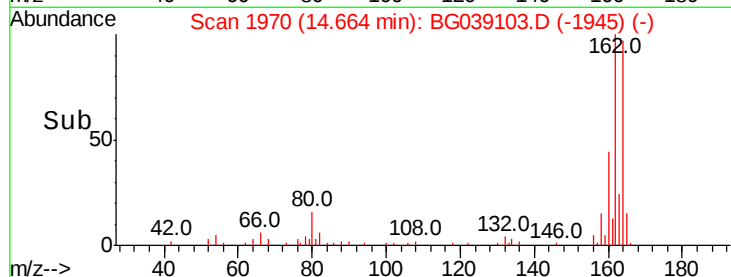
#57
 2,4-Dinitrotoluene
 Concen: 4.847 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 9999
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#

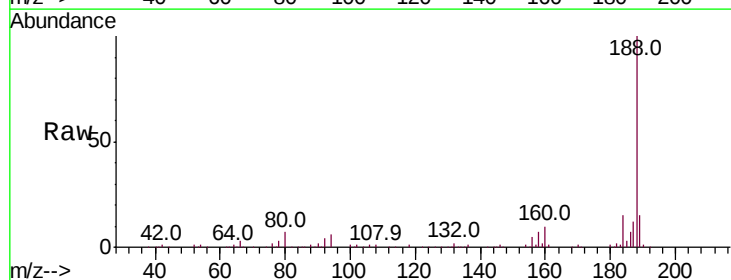


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

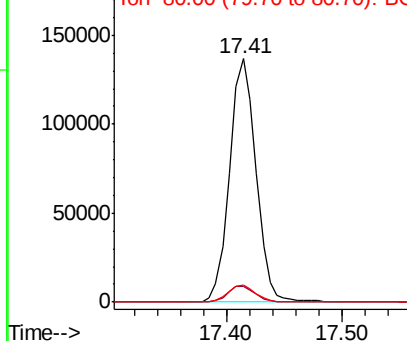
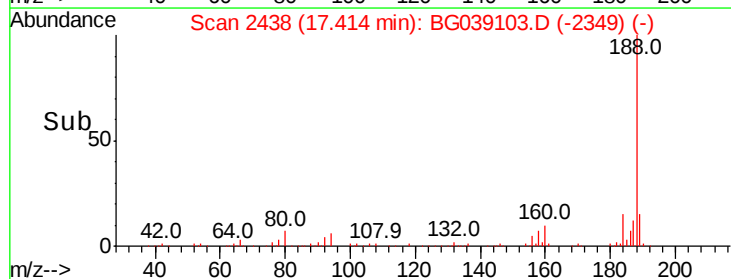


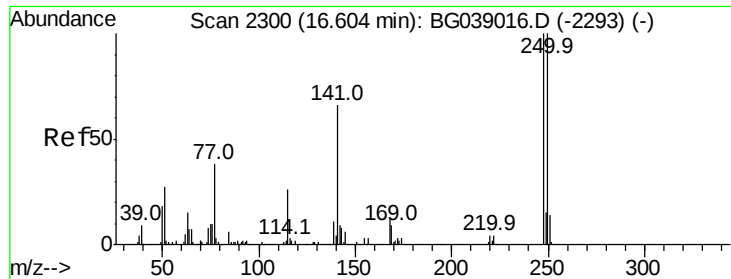
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG039103.D
 Acq: 12 Jan 2019 2:38

Tgt Ion:188 Resp: 216824
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.0 7.4
 80 7.2 4.7 7.1#



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: 2.082 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

Instrument :

BNA_G

ClientSampleId :

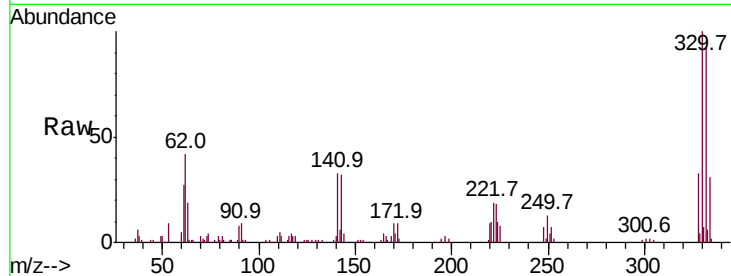
Tot Ion:248 Resp: 5802

Ion Ratio Lower Upper

248 100

250 137.5 79.9 119.9#

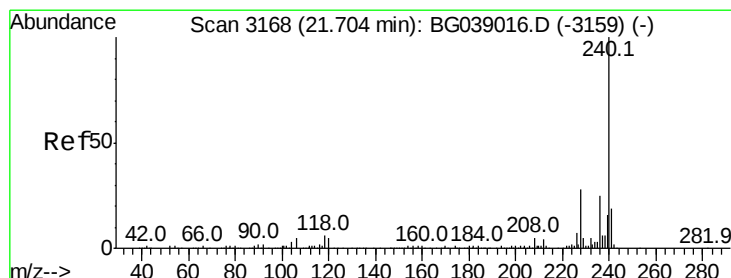
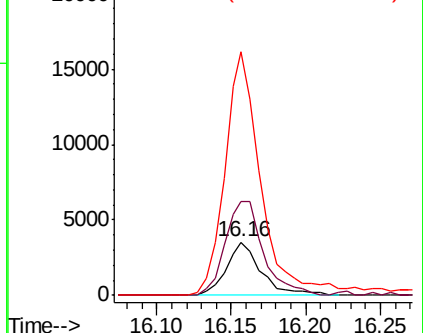
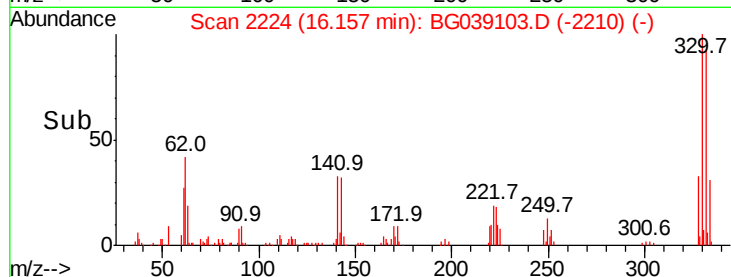
141 358.5 52.7 79.1#



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: 21.69 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

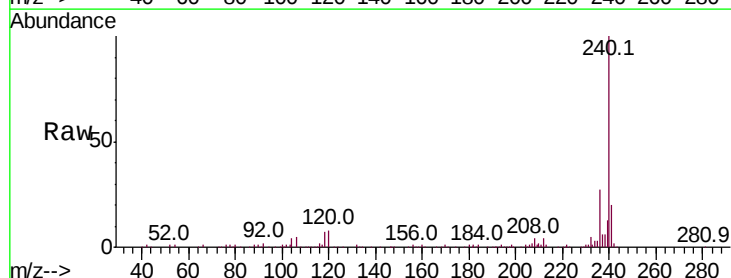
Tgt Ion:240 Resp: 215691

Ion Ratio Lower Upper

240 100

120 7.6 4.3 6.5#

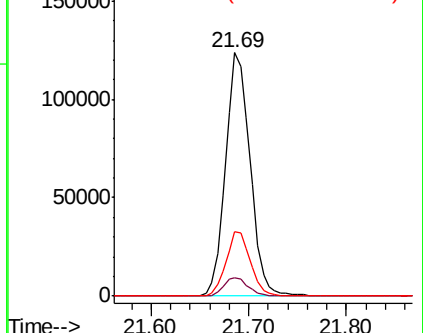
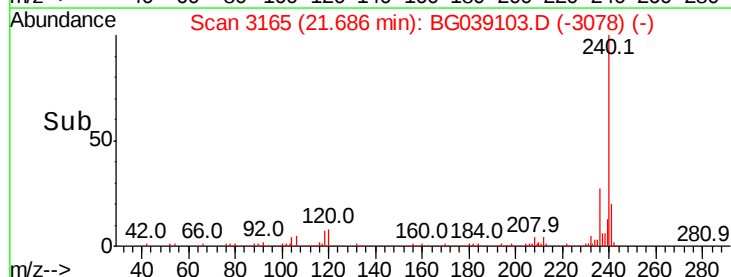
236 26.6 20.1 30.1

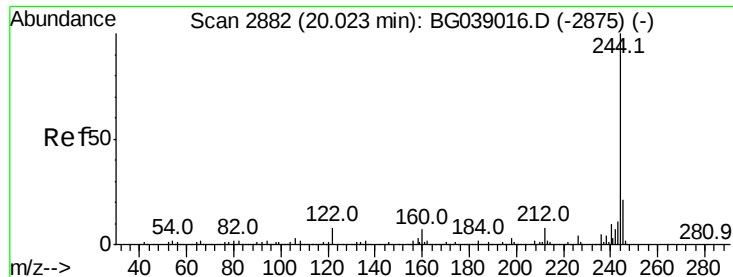


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 62.573 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

Instrument :

BNA_G

ClientSampleId :

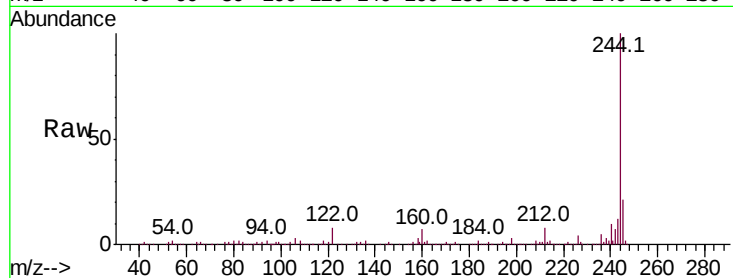
Tot Ion:244 Resp: 729585

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

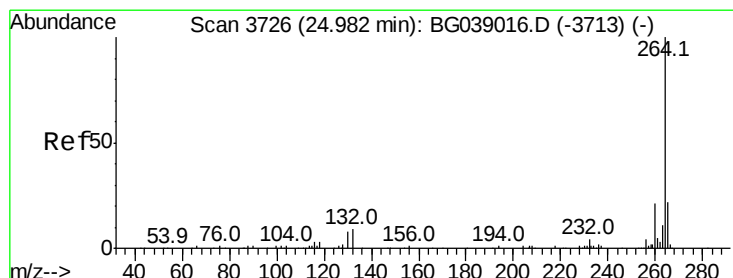
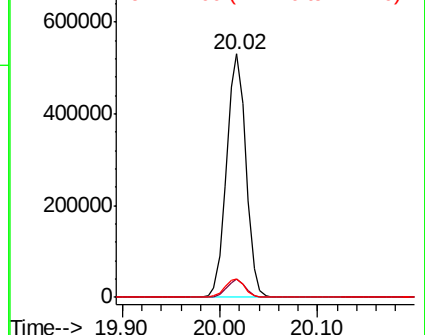
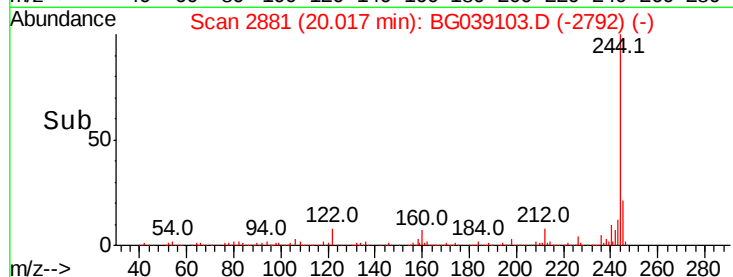
122 7.7 6.1 9.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039103.D

Acq: 12 Jan 2019 2:38

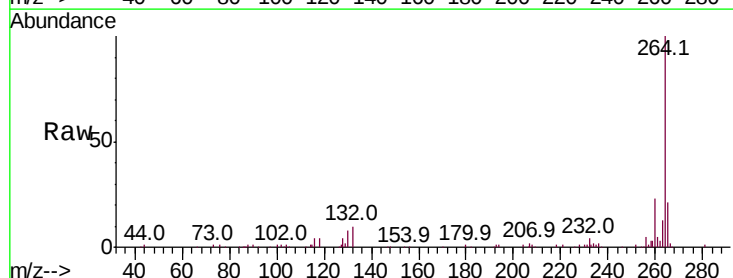
Tgt Ion:264 Resp: 207579

Ion Ratio Lower Upper

264 100

260 23.1 17.0 25.6

265 21.3 17.2 25.8



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

