

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012519\
 Data File : BG039279.D
 Acq On : 25 Jan 2019 15:23
 Operator : JU/SJ
 Sample : PB116607BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 17:29:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 14:28:43 2019
 Response via : Initial Calibration

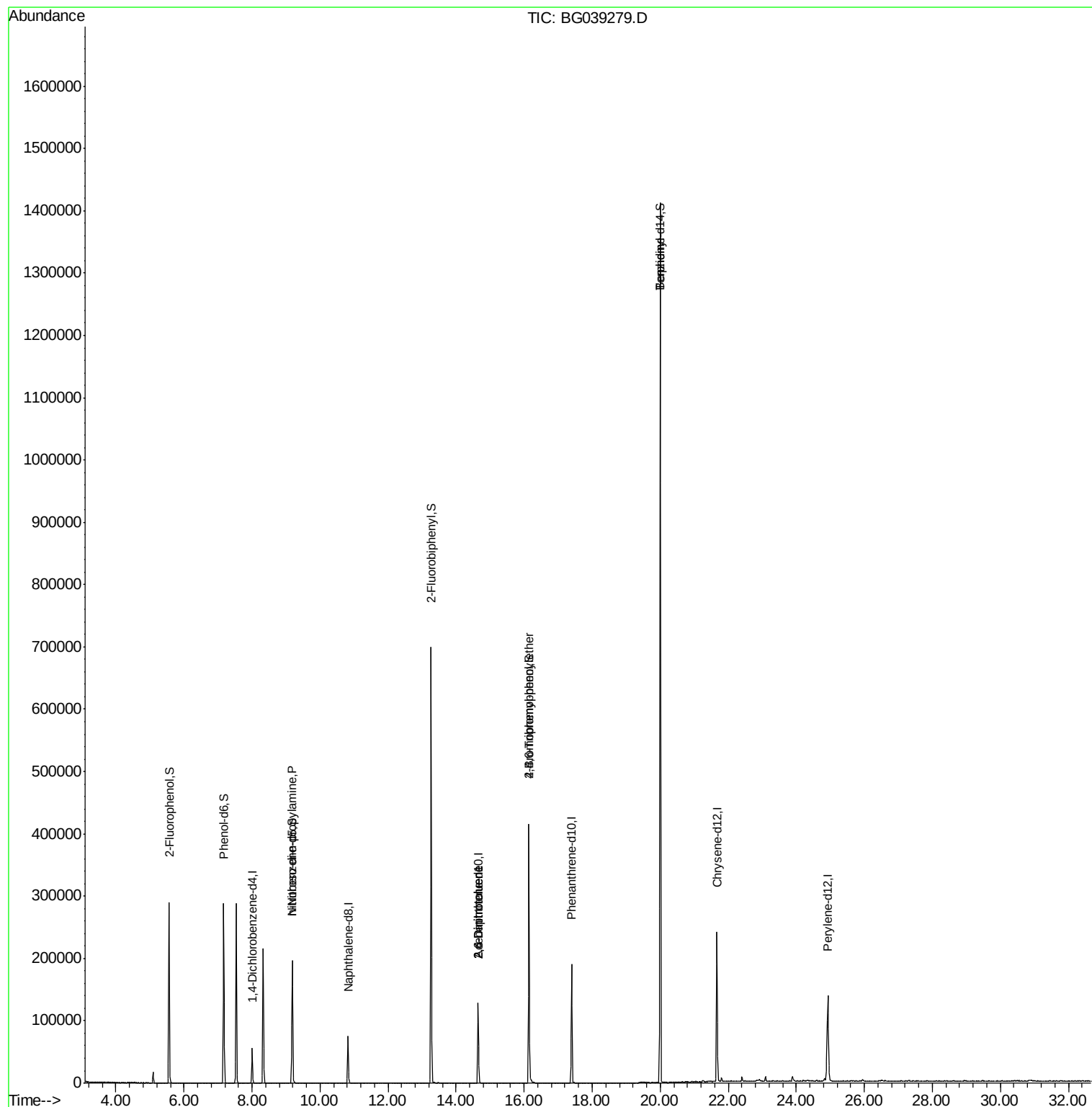
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	16943	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	72492	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	50755	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	132687	20.00	ng	0.00
76) Chrysene-d12	21.67	240	163339	20.00	ng	0.00
87) Perylene-d12	24.93	264	175498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	129980	145.53	ng	0.00
7) Phenol-d6	7.16	99	168284	130.92	ng	0.00
23) Nitrobenzene-d5	9.19	82	123200	93.00	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	97576	114.69	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	387260	104.42	ng	0.00
79) Terphenyl-d14	20.00	244	701752	79.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	16205	19.199	ng	# 63
51) 2,6-Dinitrotoluene	14.64	165	6679	6.965	ng	# 24
57) 2,4-Dinitrotoluene	14.64	165	6679	4.855	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	5897	3.457	ng	# 1
77) Benzidine	20.00	184	10674	2.137	ng	98

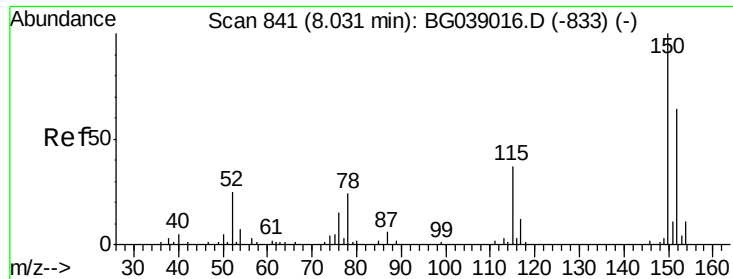
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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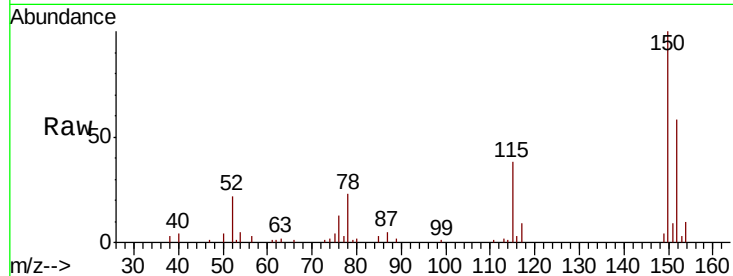


#1

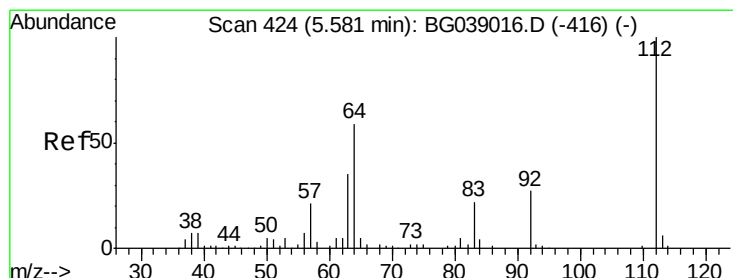
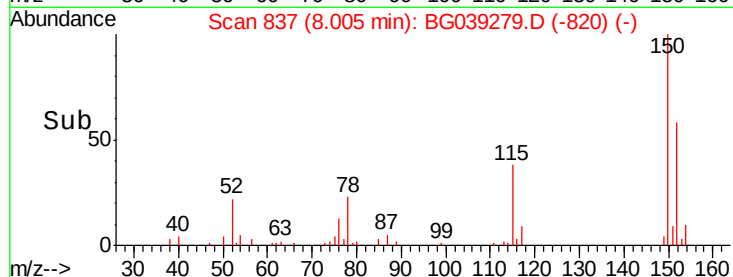
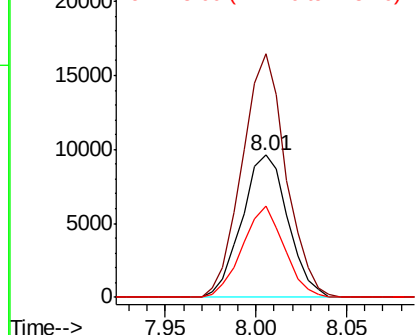
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG039279.D
Acq: 25 Jan 2019 15:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 16943
Ion Ratio Lower Upper
152 100
150 171.5 124.7 187.1
115 64.6 46.5 69.7



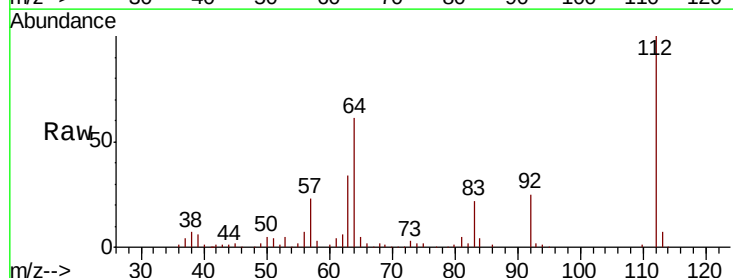
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



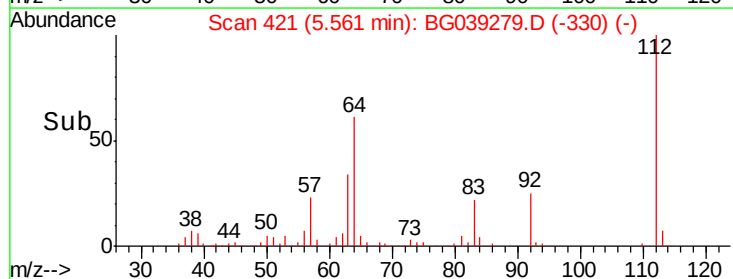
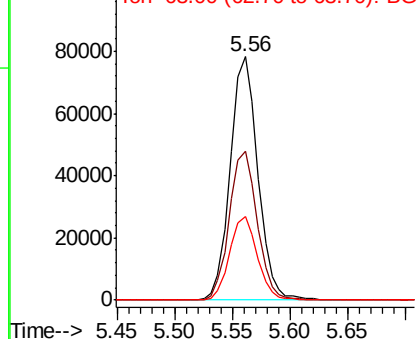
#5

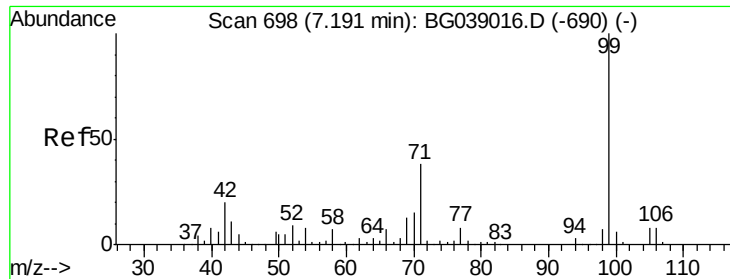
2-Fluorophenol
Concen: 145.529 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG039279.D
Acq: 25 Jan 2019 15:23

Tgt Ion:112 Resp: 129980
Ion Ratio Lower Upper
112 100
64 61.3 47.0 70.6
63 34.3 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: 130.923 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

Instrument :

BNA_G

ClientSampleId :

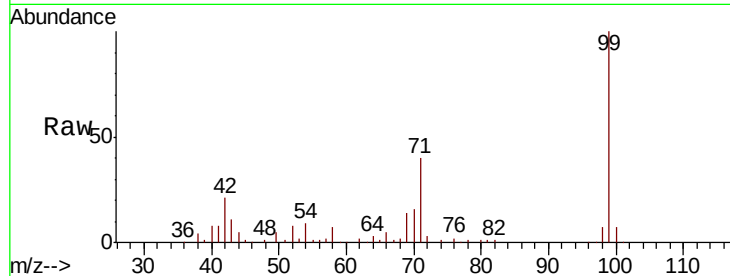
Tot Ion: 99 Resp: 168284

Ion Ratio Lower Upper

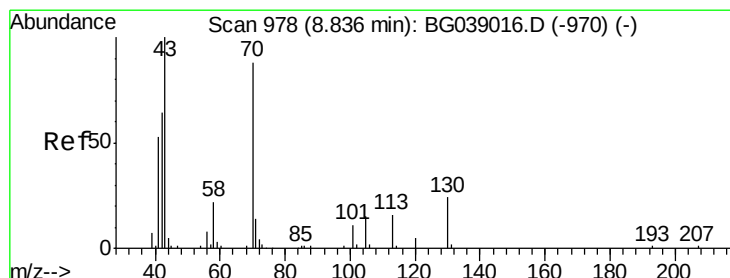
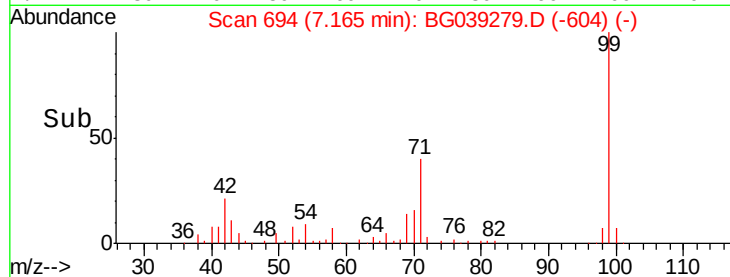
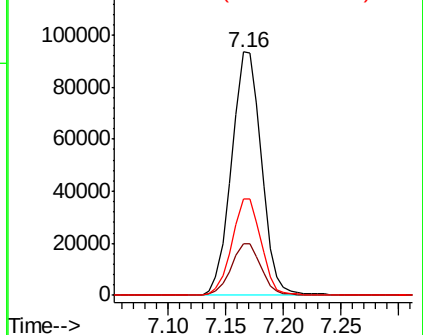
99 100

42 21.0 15.8 23.6

71 39.6 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: 19.199 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

Tgt Ion: 70 Resp: 16205

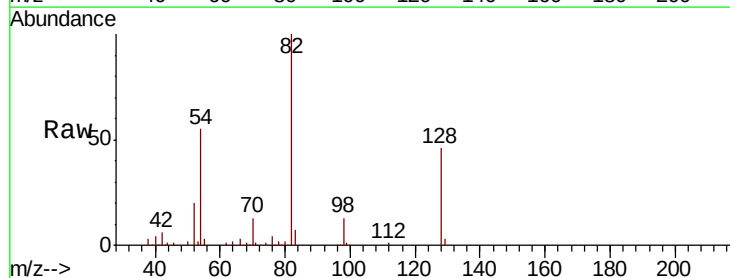
Ion Ratio Lower Upper

70 100

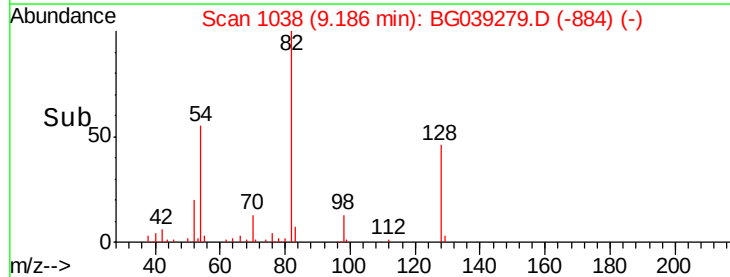
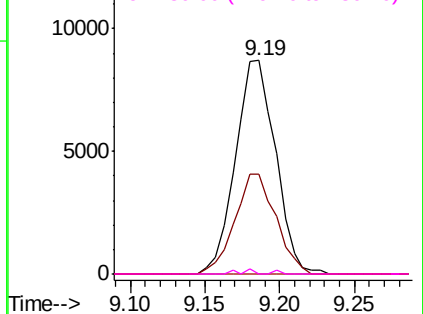
42 46.6 59.0 88.4#

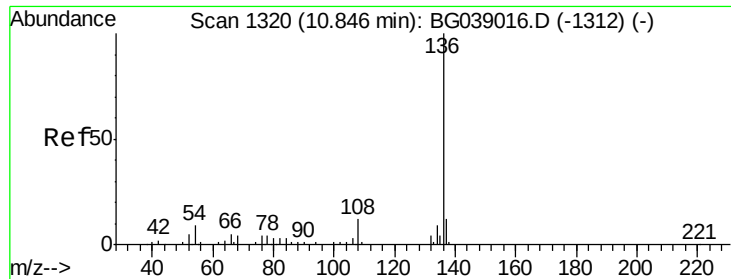
101 0.0 10.4 15.6#

130 0.0 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: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 72492

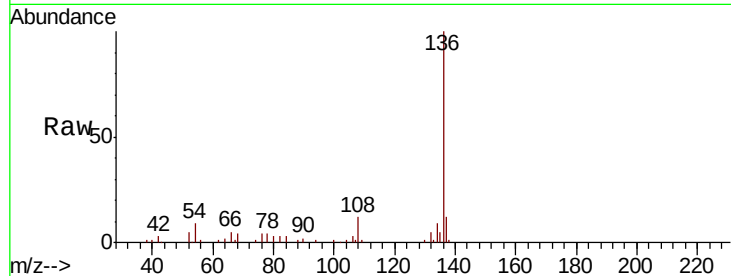
Ion Ratio Lower Upper

136 100

137 12.0 9.4 14.2

54 9.4 7.2 10.8

68 4.0 3.5 5.3

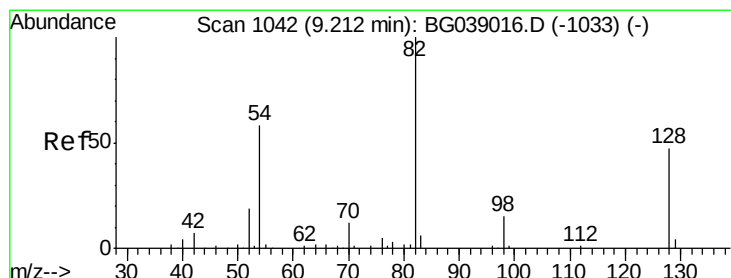
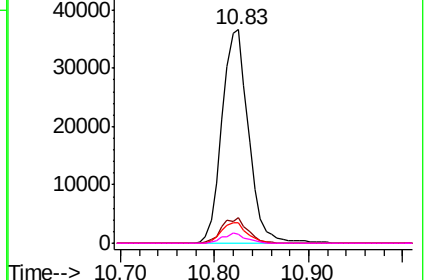
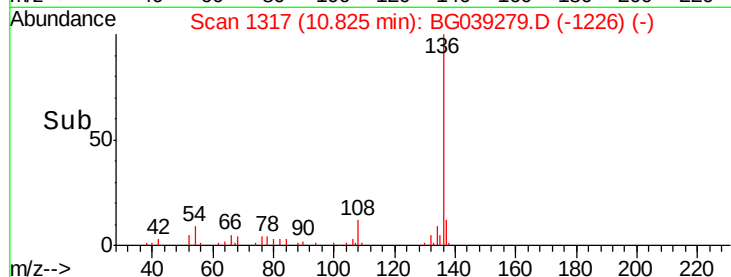


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.996 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

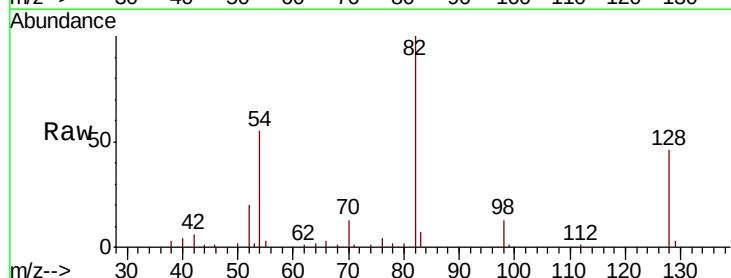
Tgt Ion: 82 Resp: 123200

Ion Ratio Lower Upper

82 100

128 45.7 37.3 55.9

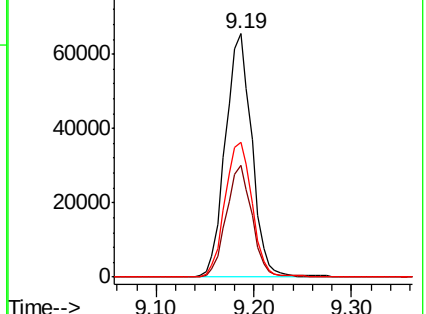
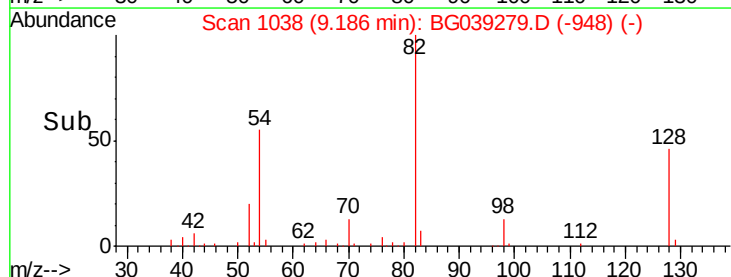
54 55.4 46.4 69.6

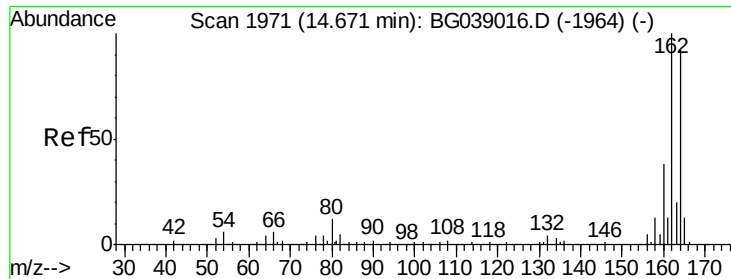


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.64 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

Instrument :

BNA_G

ClientSampleId :

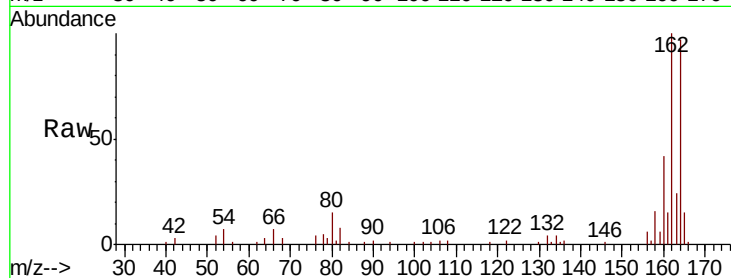
Tot Ion:164 Resp: 50755

Ion Ratio Lower Upper

164 100

162 103.0 87.2 130.8

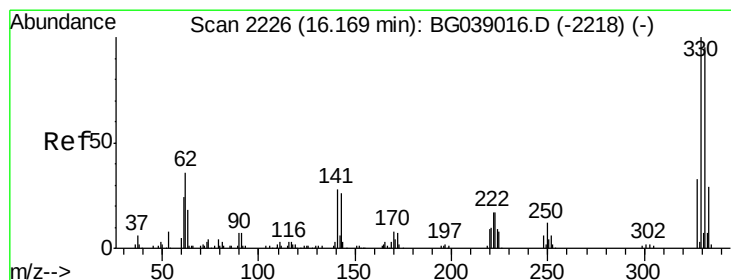
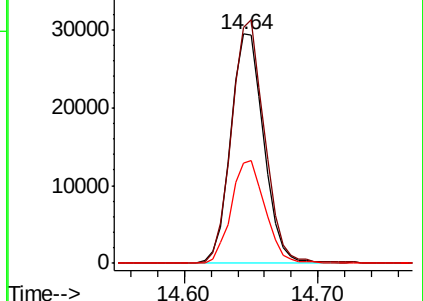
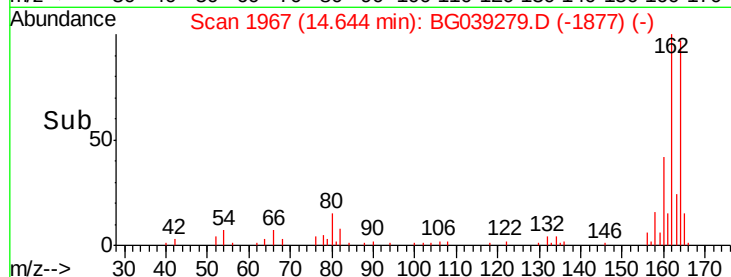
160 43.7 33.3 49.9



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: 114.688 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

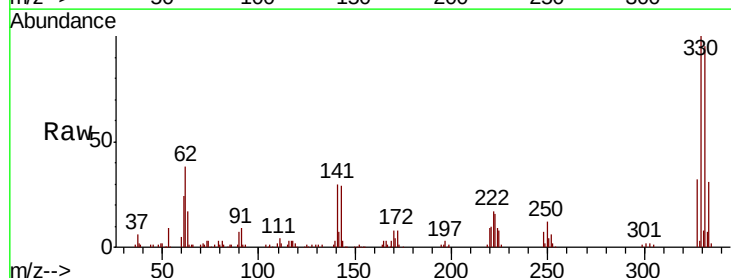
Tgt Ion:330 Resp: 97576

Ion Ratio Lower Upper

330 100

332 94.7 75.7 113.5

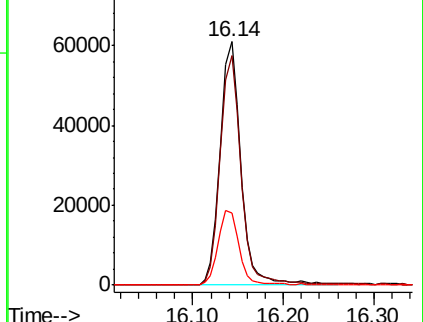
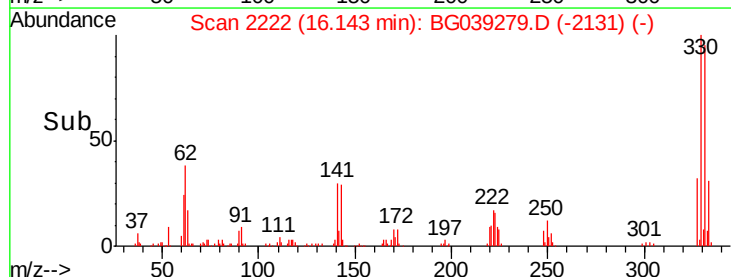
141 31.1 24.9 37.3

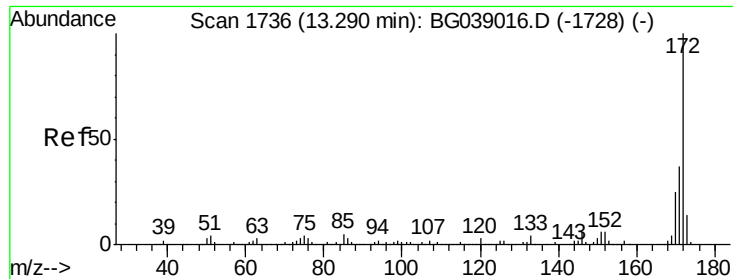


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

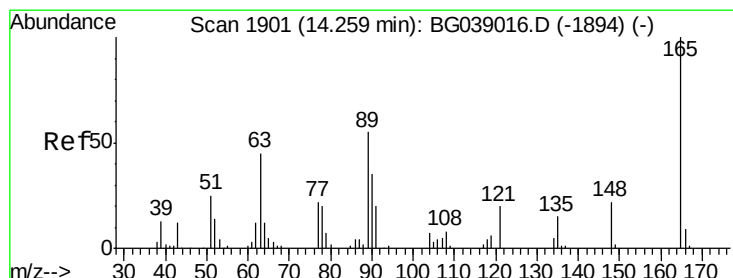
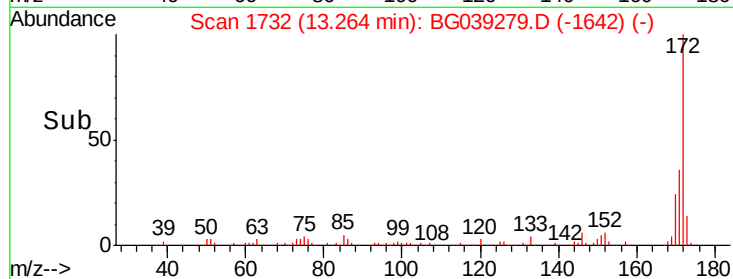
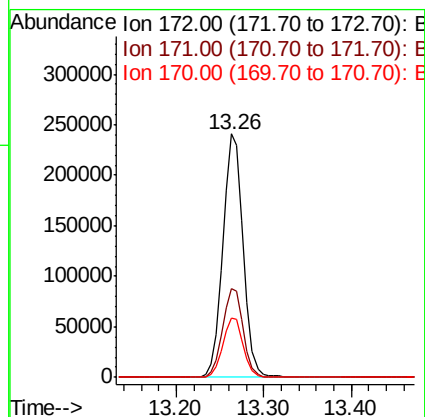
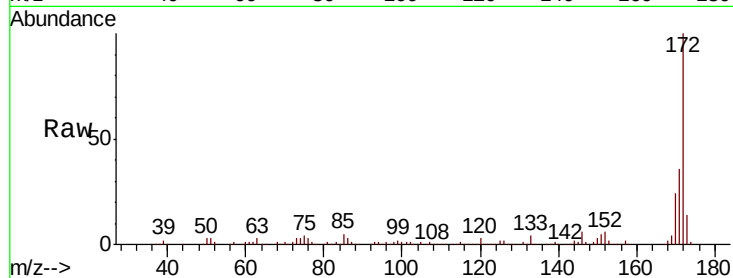




#45
 2-Fluorobiphenyl
 Concen: 104.421 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

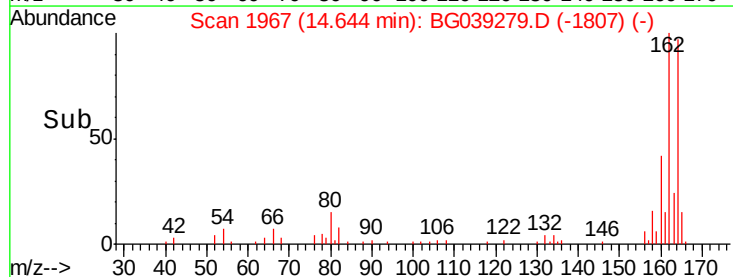
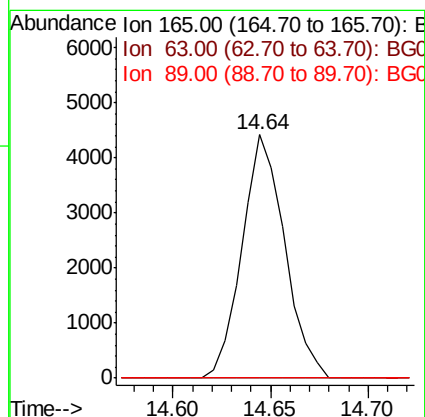
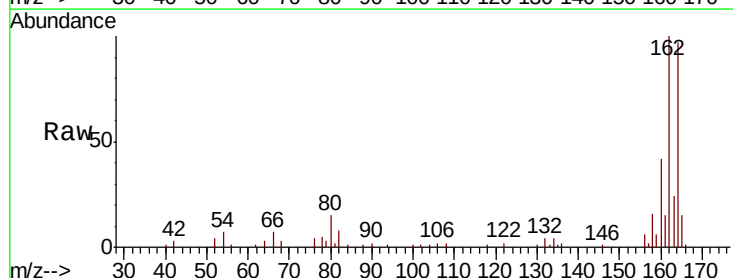
Instrument :
 BNA_G
 ClientSampleId :

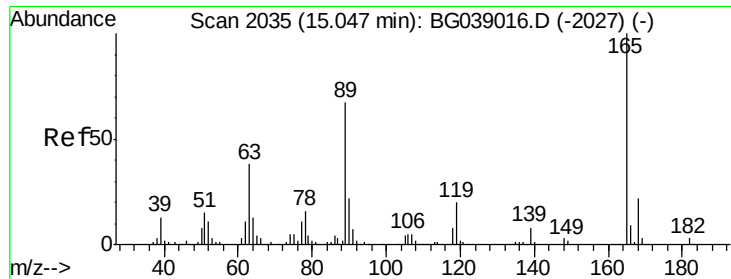
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.5	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.965 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.41 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

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

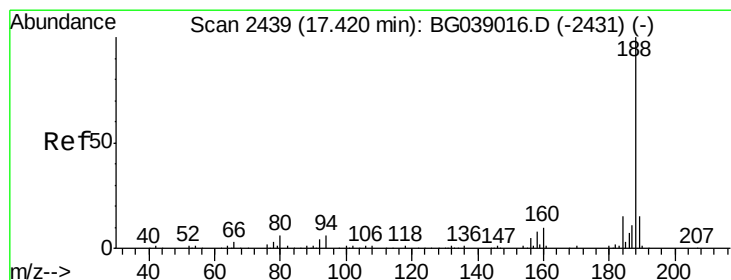
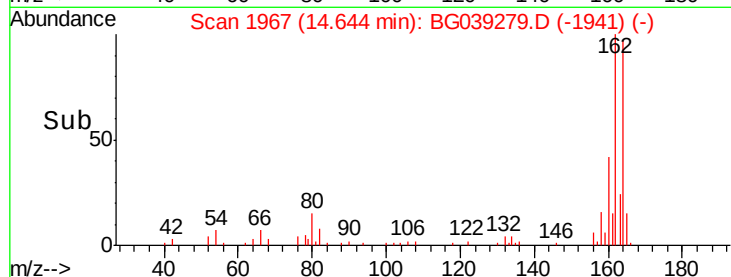
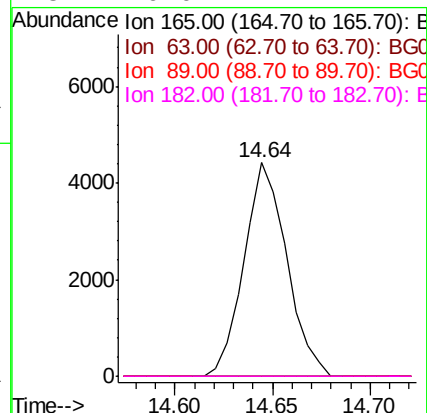
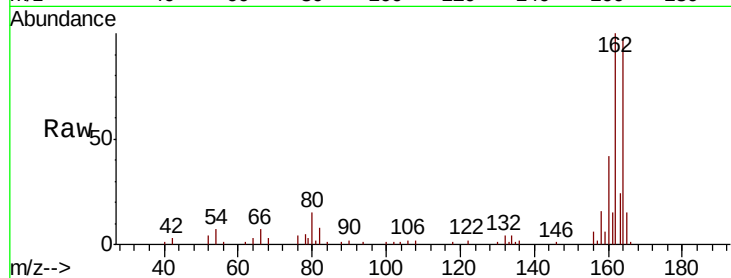




#57
 2,4-Dinitrotoluene
 Concen: 4.855 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

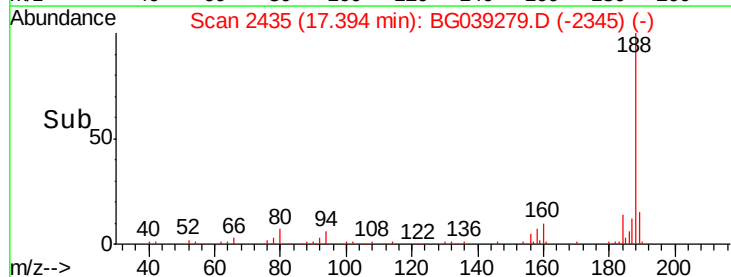
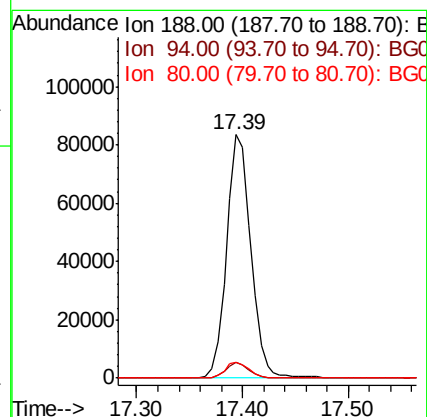
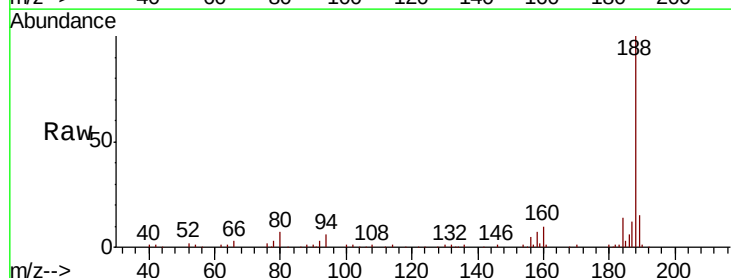
Instrument :
 BNA_G
 ClientSampleId :

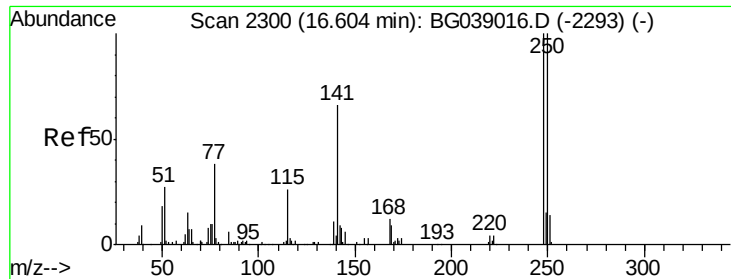
Tot Ion:165	Resp: 6679
Ion Ratio	Lower Upper
165 100	
63 0.0	30.2 45.4#
89 0.0	53.2 79.8#
182 0.0	2.7 4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

Tgt Ion	188	Resp: Lower	132687 Upper
	Ratio		
188	100		
94	6.5	5.0	7.4
80	6.6	4.7	7.1

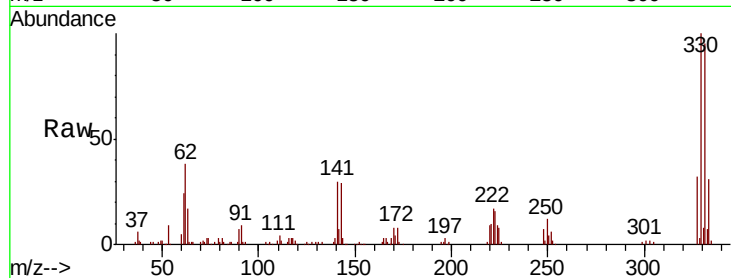




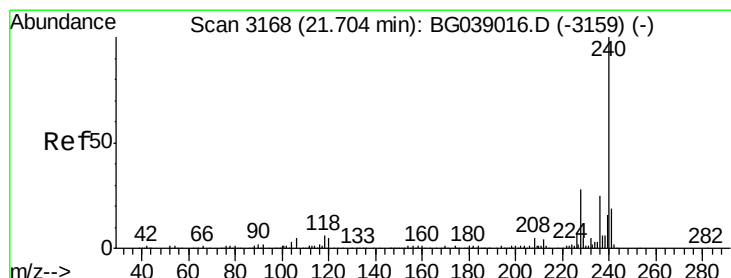
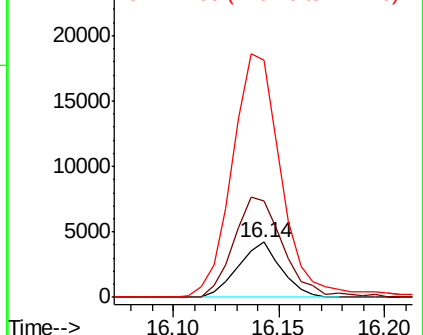
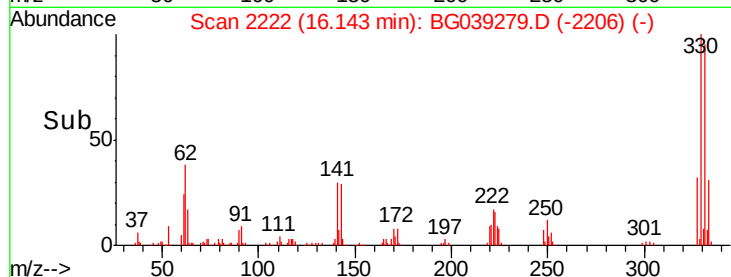
#67
 4-Bromophenyl-phenylether
 Concen: 3.457 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 5897
 Ion Ratio Lower Upper
 248 100
 250 182.6 79.9 119.9#
 141 335.8 52.7 79.1#

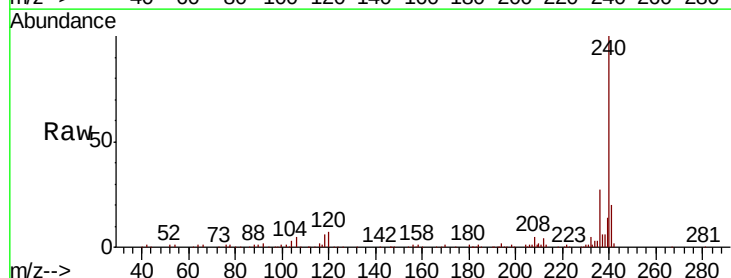


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

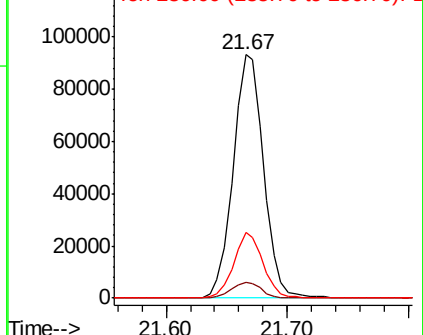
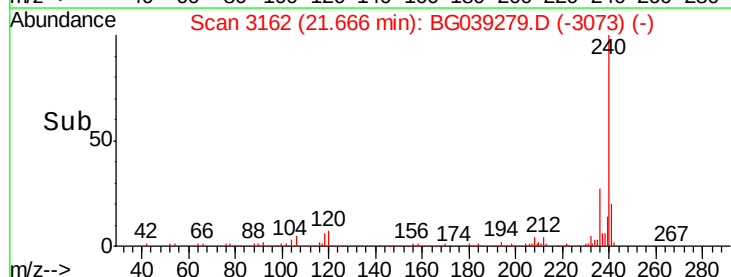


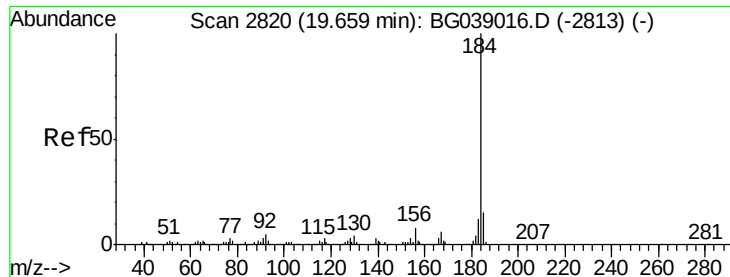
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG039279.D
 Acq: 25 Jan 2019 15:23

Tgt Ion:240 Resp: 163339
 Ion Ratio Lower Upper
 240 100
 120 6.6 4.3 6.5#
 236 26.9 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





#77

Benzidine

Concen: 2.137 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

Instrument :

BNA_G

ClientSampleId :

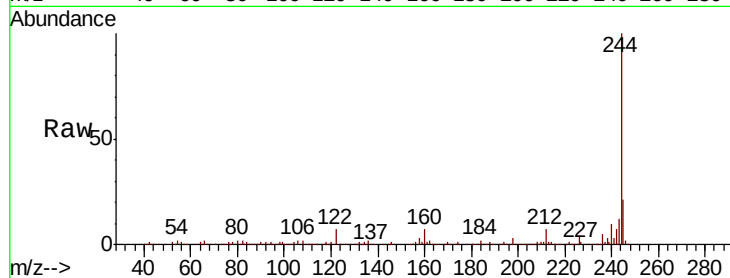
Tot Ion:184 Resp: 10674

Ion Ratio Lower Upper

184 100

185 16.3 12.1 18.1

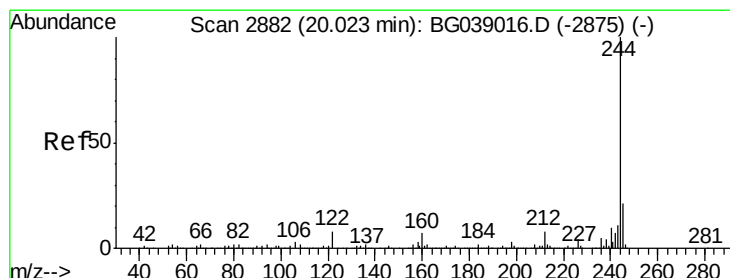
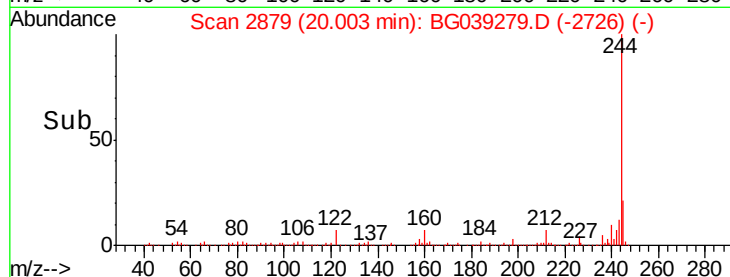
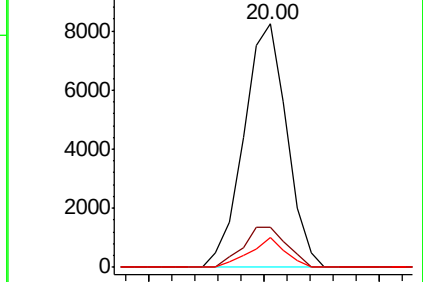
183 12.1 9.5 14.3



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: 79.477 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG039279.D

Acq: 25 Jan 2019 15:23

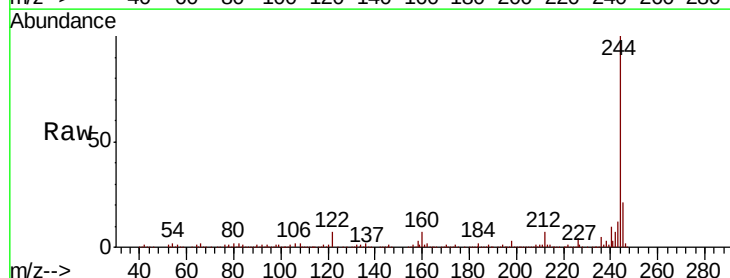
Tgt Ion:244 Resp: 701752

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

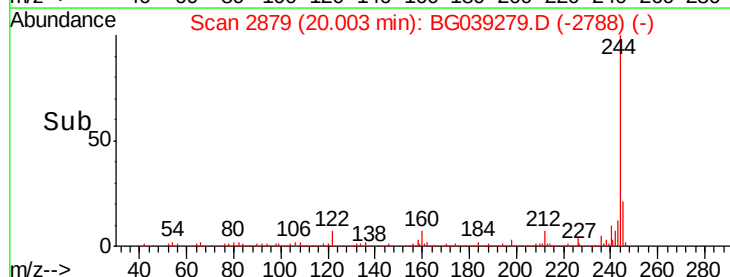
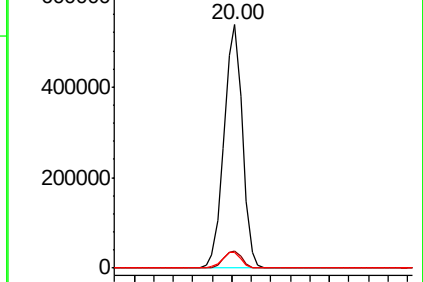
122 6.7 6.1 9.1

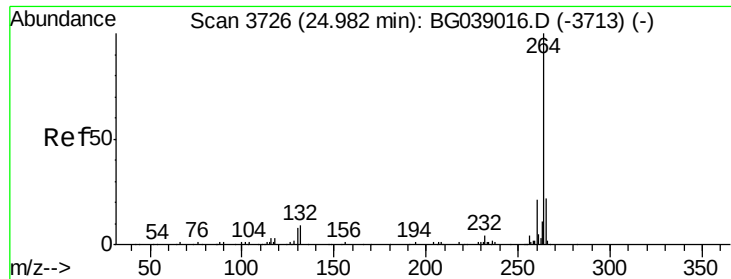


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.00 min
Lab File: BG039279.D
Acq: 25 Jan 2019 15:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.0	25.6
265	20.7	17.2	25.8

