

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039301.D
 Acq On : 26 Jan 2019 7:47
 Operator : JU/SJ
 Sample : K1238-50
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5

Quant Time: Jan 28 03:17:38 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 18 04:20:14 2019
 Response via : Initial Calibration

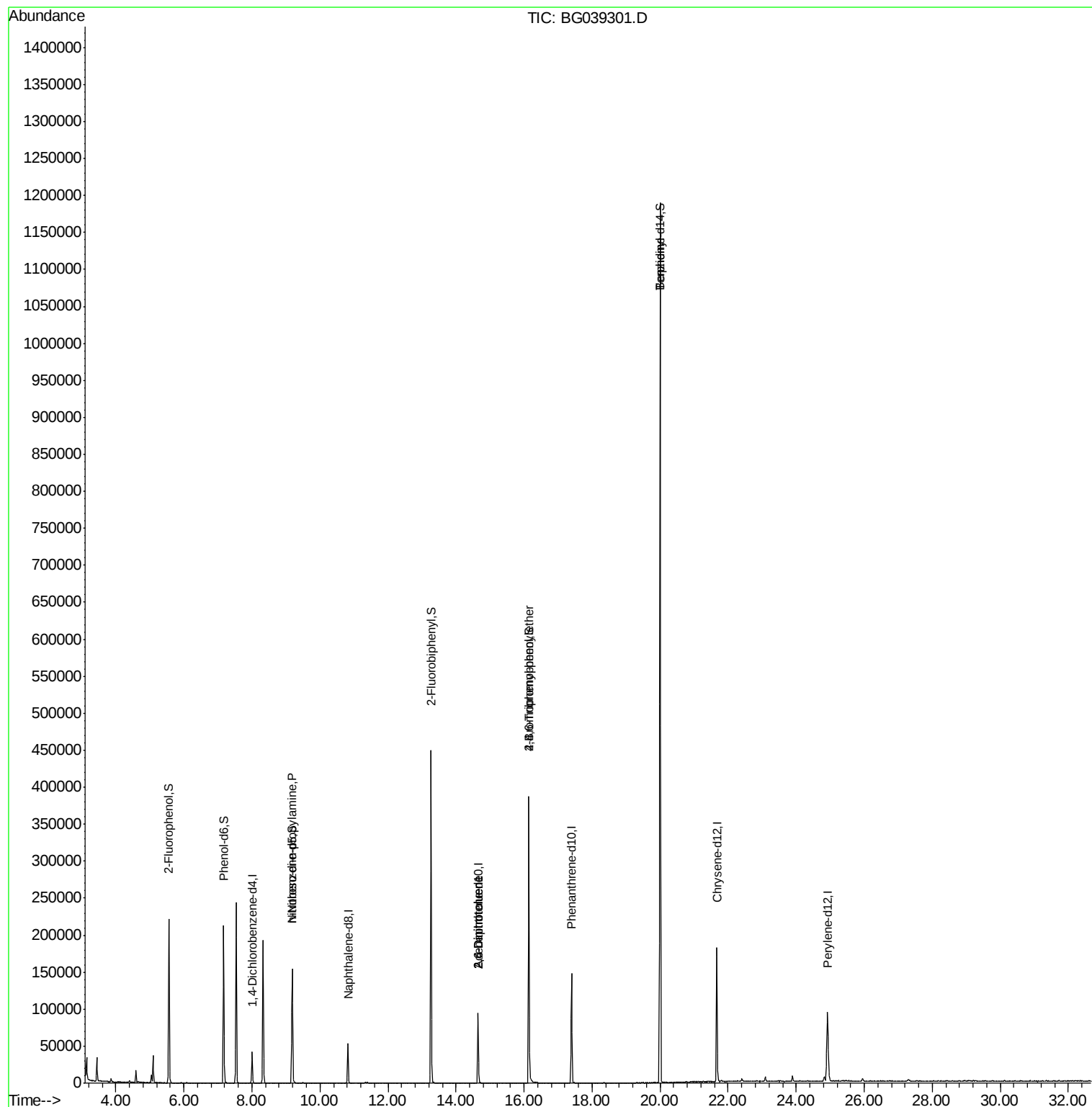
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	12826	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	49571	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	35664	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	100090	20.00	ng	0.00
76) Chrysene-d12	21.67	240	120064	20.00	ng	-0.01
87) Perylene-d12	24.92	264	128888	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	99631	147.36	ng	0.00
7) Phenol-d6	7.17	99	121154	124.51	ng	0.00
23) Nitrobenzene-d5	9.19	82	97137	107.23	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	88513	148.06	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	258766	99.30	ng	0.00
79) Terphenyl-d14	20.00	244	619037	95.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	13081	20.472	ng	# 67
51) 2,6-Dinitrotoluene	14.65	165	4770	7.079	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	4770	4.934	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	5786	4.497	ng	# 1
77) Benzidine	20.00	184	9705	2.643	ng	# 91

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

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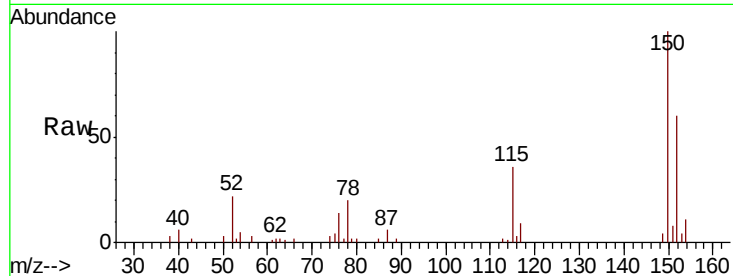




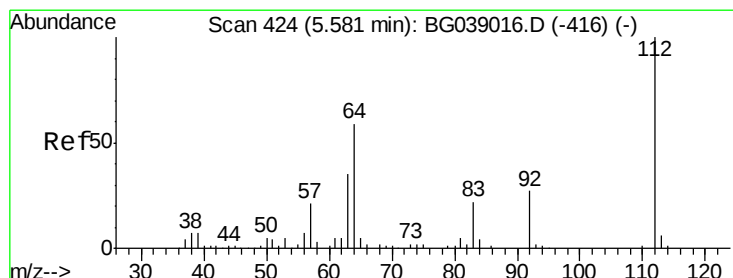
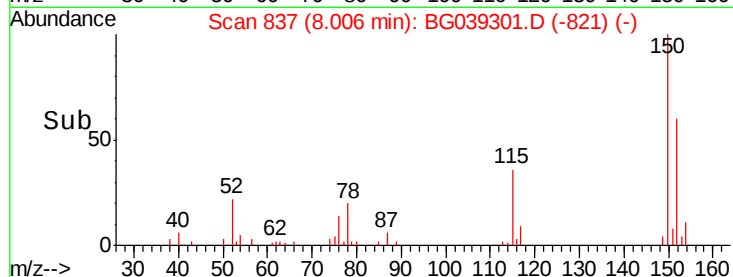
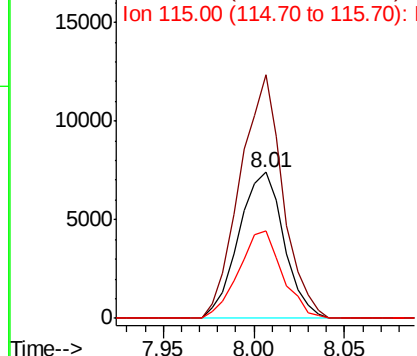
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Instrument :
 BNA_G
 ClientSampleId :
 S5

Tgt Ion:152 Resp: 12826
 Ion Ratio Lower Upper
 152 100
 150 167.1 124.7 187.1
 115 60.0 46.5 69.7

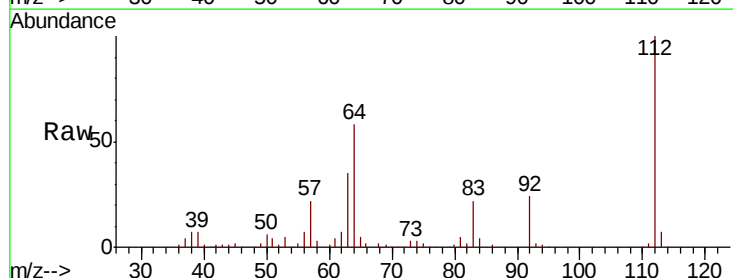


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

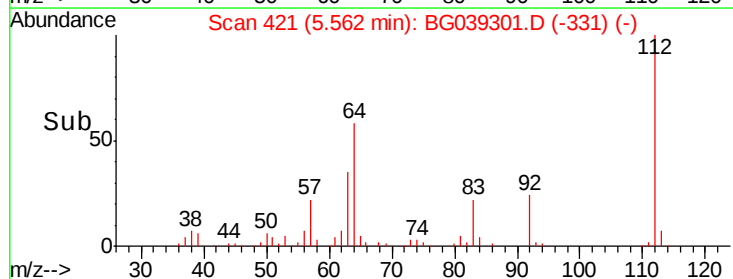
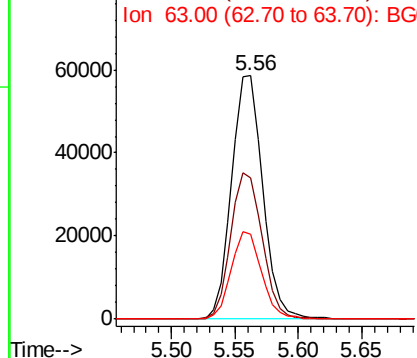


#5
 2-Fluorophenol
 Concen: 147.356 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Tgt Ion:112 Resp: 99631
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.0 70.6
 63 34.9 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: 124.512 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

Instrument :

BNA_G

ClientSampleId :

S5

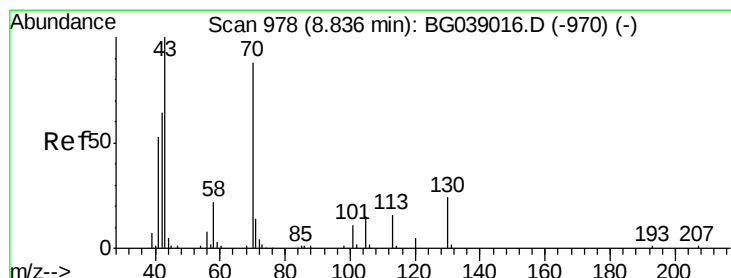
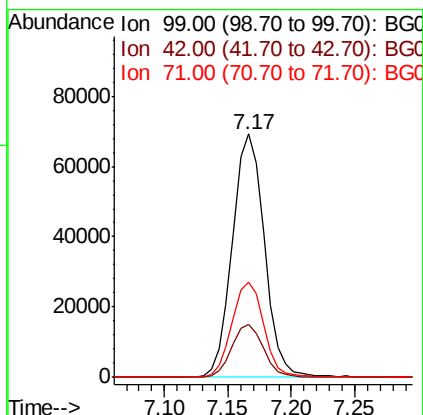
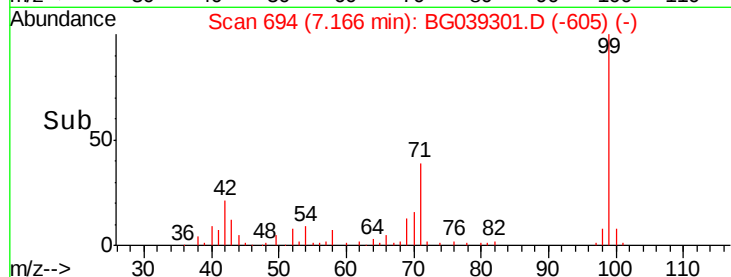
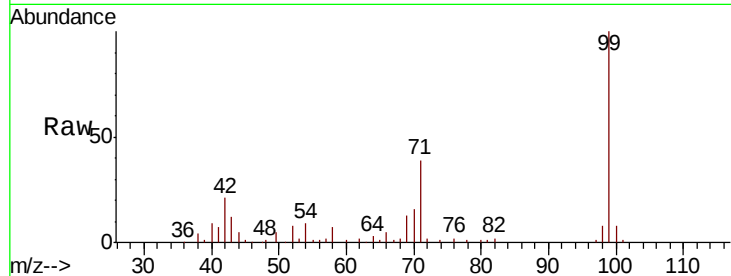
Tgt Ion: 99 Resp: 121154

Ion Ratio Lower Upper

99 100

42 21.5 15.8 23.6

71 39.1 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 20.472 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

Tgt Ion: 70 Resp: 13081

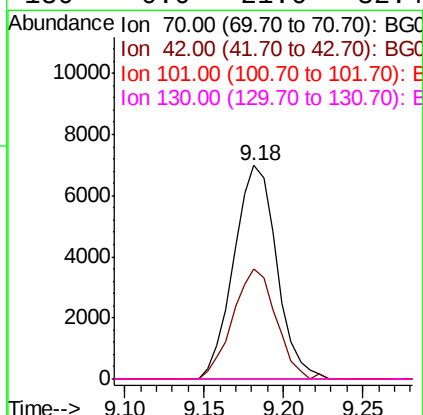
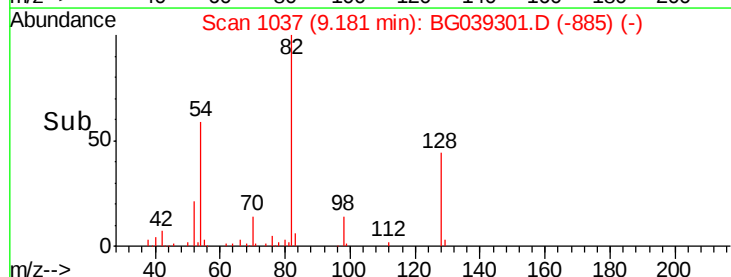
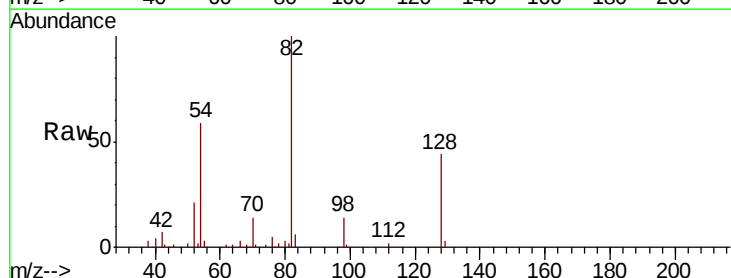
Ion Ratio Lower Upper

70 100

42 51.5 59.0 88.4#

101 0.0 10.4 15.6#

130 0.0 21.6 32.4#

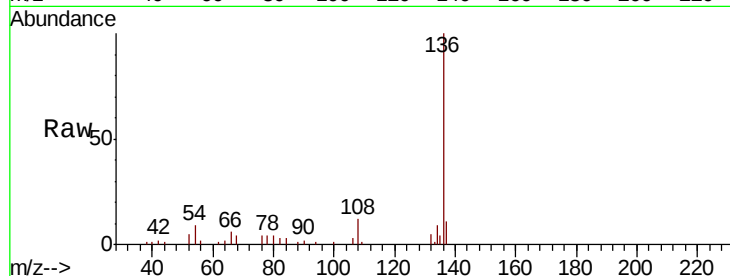




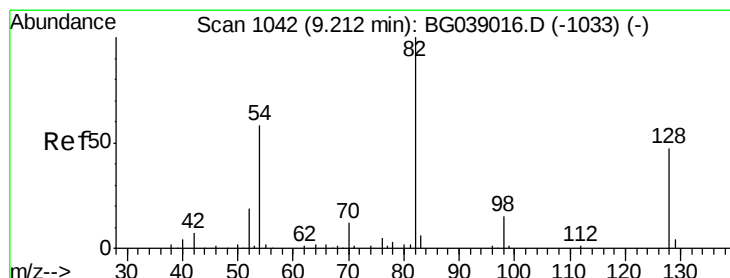
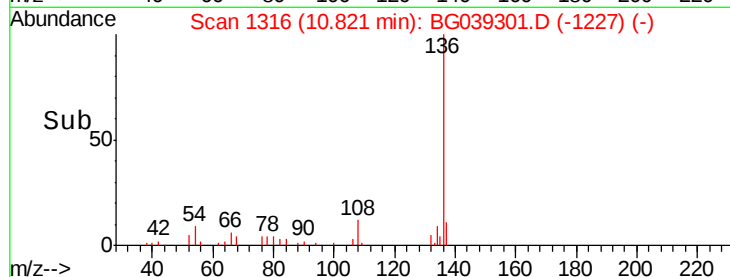
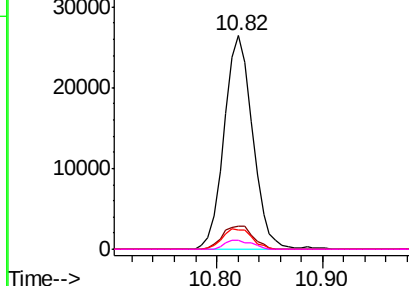
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039301.D
Acq: 26 Jan 2019 7:47

Instrument :
BNA_G
ClientSampleId :
S5

Tgt Ion:	136	Resp:	49571
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.2
54	9.1	7.2	10.8
68	4.5	3.5	5.3

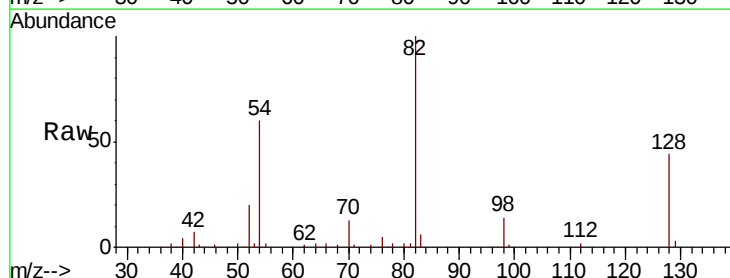


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

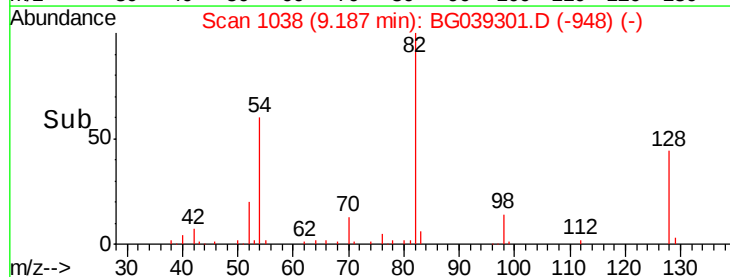
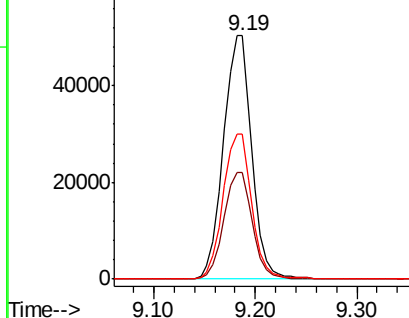


#23
Nitrobenzene-d5
Concen: 107.226 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039301.D
Acq: 26 Jan 2019 7:47

Tgt Ion:	82	Resp:	97137
Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.3	55.9
54	59.8	46.4	69.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

Instrument :

BNA_G

ClientSampleId :

S5

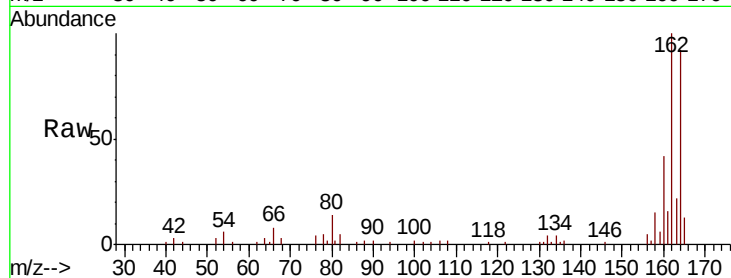
Tgt Ion:164 Resp: 35664

Ion Ratio Lower Upper

164 100

162 108.4 87.2 130.8

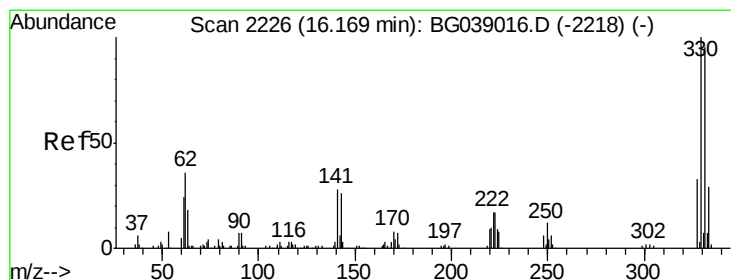
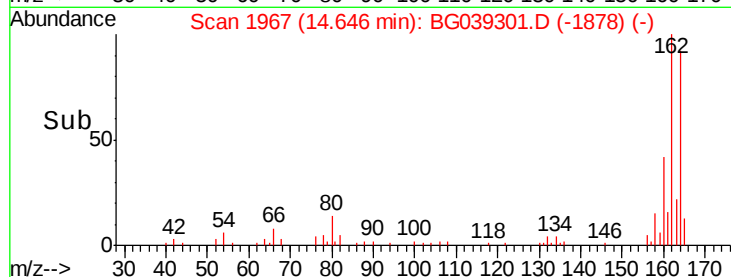
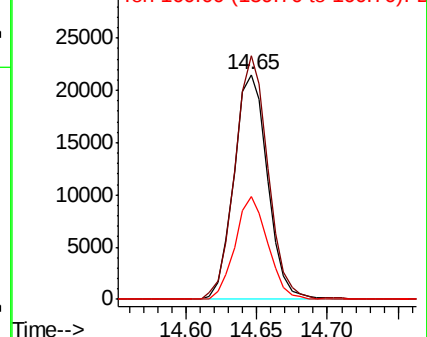
160 45.9 33.3 49.9



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: 148.058 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

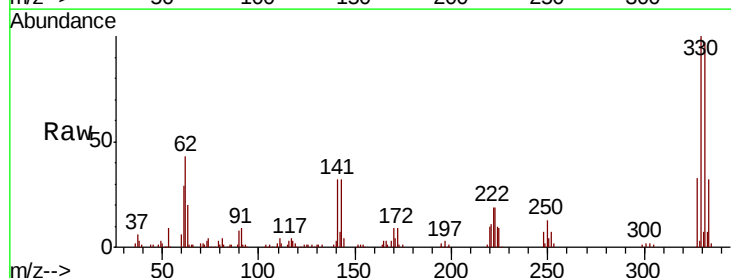
Tgt Ion:330 Resp: 88513

Ion Ratio Lower Upper

330 100

332 98.0 75.7 113.5

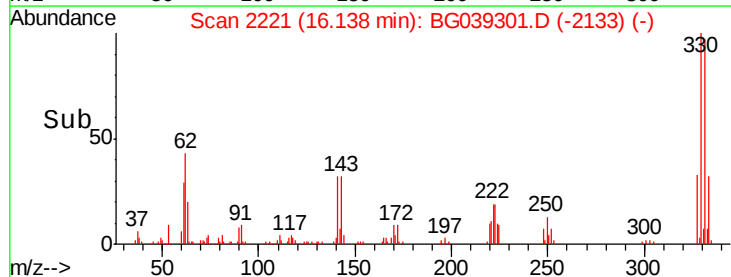
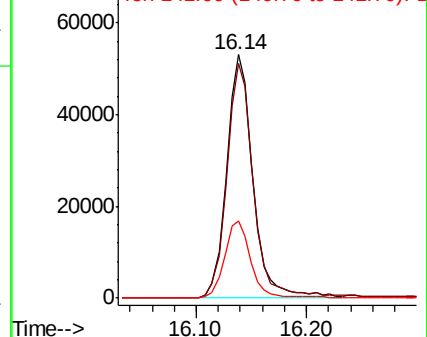
141 31.0 24.9 37.3



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

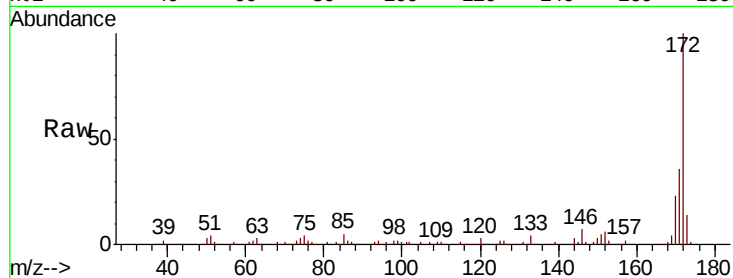




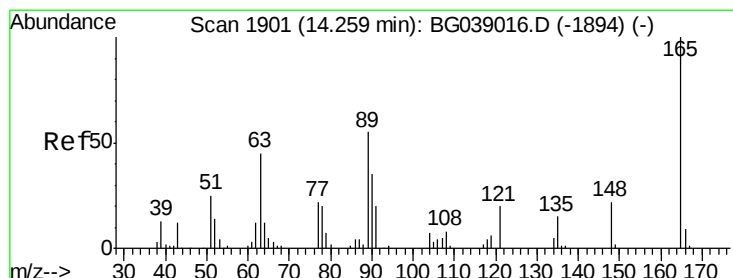
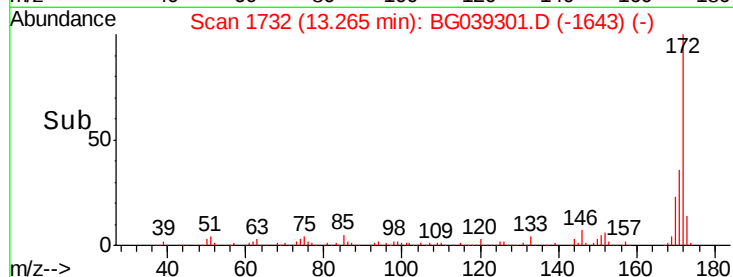
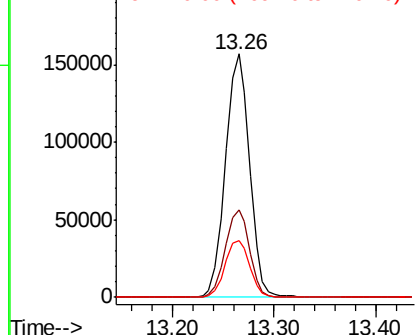
#45
2-Fluorobiphenyl
Concen: 99.298 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BG039301.D
Acq: 26 Jan 2019 7:47

Instrument :
BNA_G
ClientSampleId :
S5

Tgt Ion:172 Resp: 258766
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 23.1 20.1 30.1

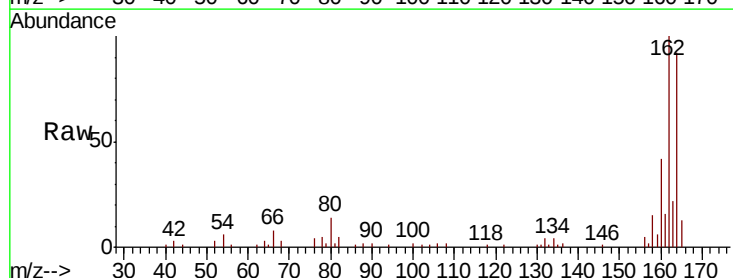


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

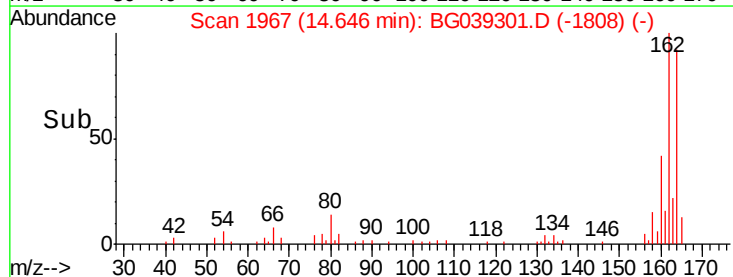
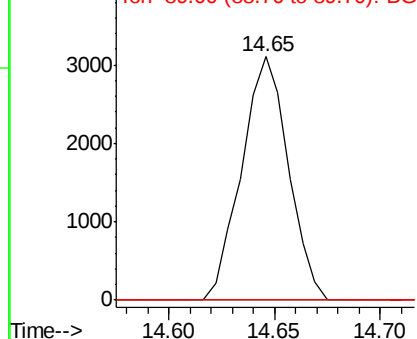


#51
2,6-Dinitrotoluene
Concen: 7.079 ng
RT: 14.65 min Scan# 1967
Delta R.T. 0.40 min
Lab File: BG039301.D
Acq: 26 Jan 2019 7:47

Tgt Ion:165 Resp: 4770
Ion Ratio Lower Upper
165 100
63 0.0 43.6 65.4#
89 0.0 43.7 65.5#



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

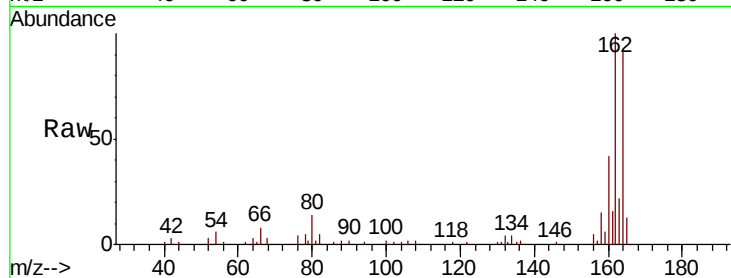




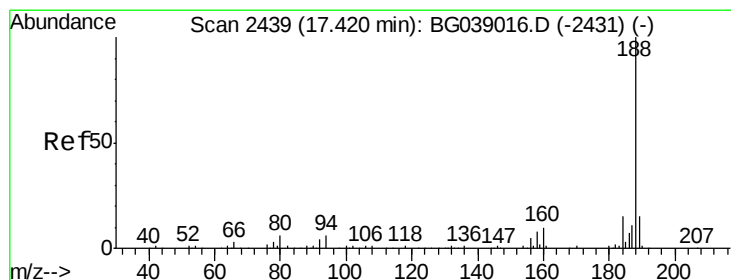
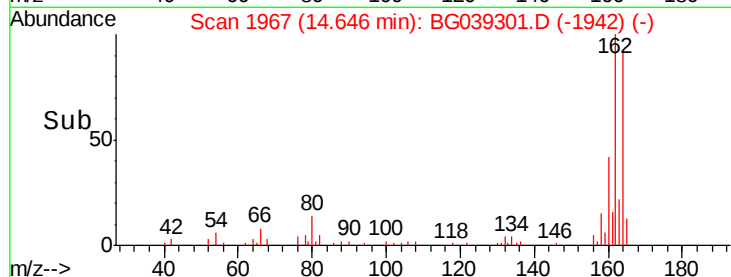
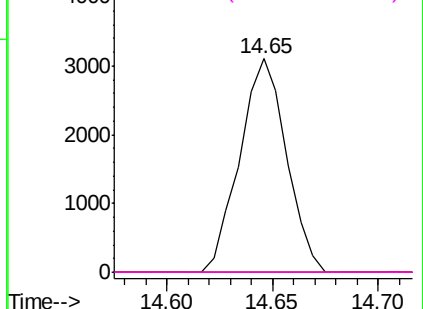
#57
 2,4-Dinitrotoluene
 Concen: 4.934 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:165 Resp: 4770
 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#

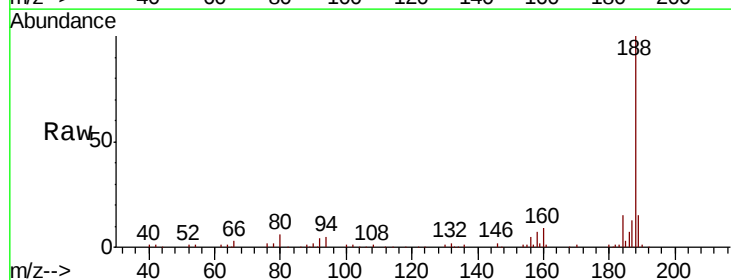


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

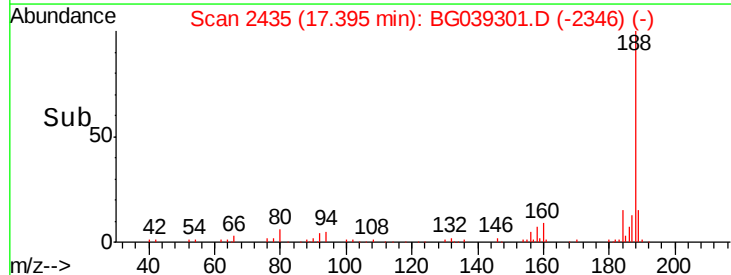
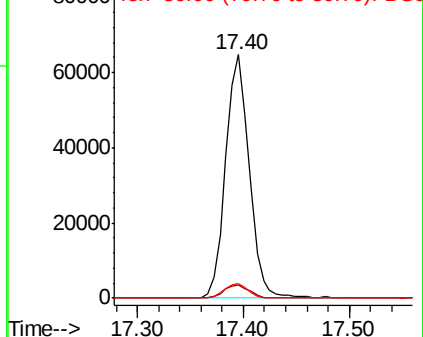


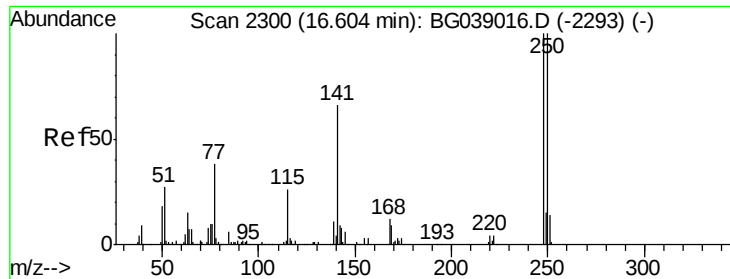
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Tgt Ion:188 Resp: 100090
 Ion Ratio Lower Upper
 188 100
 94 5.3 5.0 7.4
 80 6.2 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

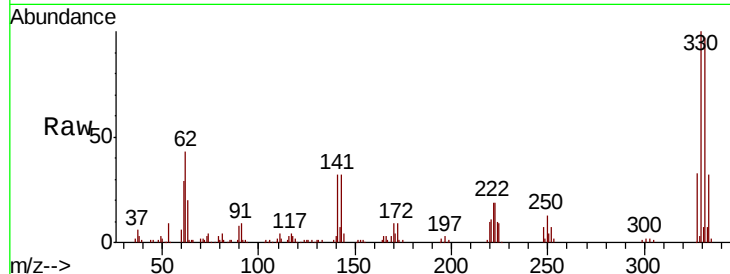




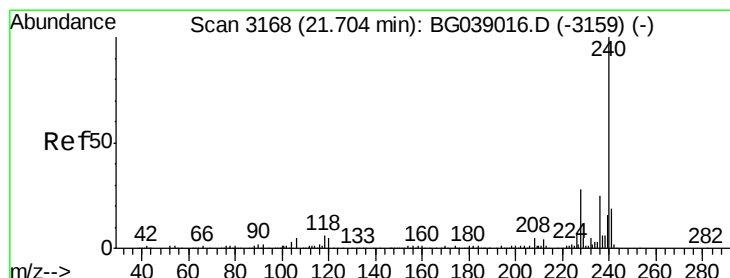
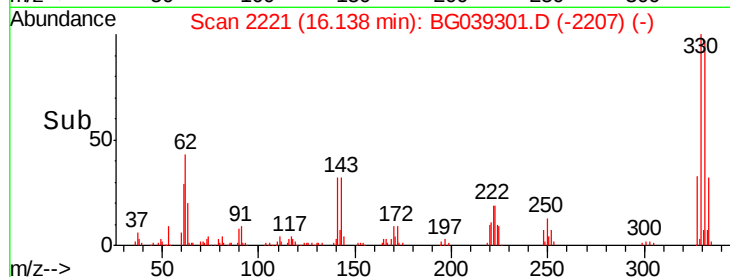
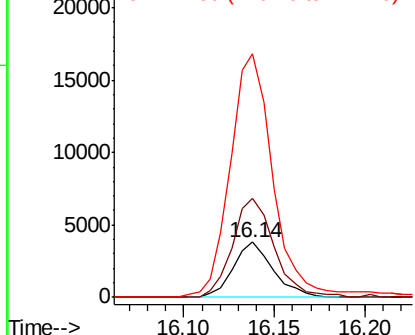
#67
 4-Bromophenyl-phenylether
 Concen: 4.497 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Instrument :
 BNA_G
 ClientSampleId :
 S5

Tgt Ion:248 Resp: 5786
 Ion Ratio Lower Upper
 248 100
 250 179.1 79.9 119.9#
 141 345.5 52.7 79.1#

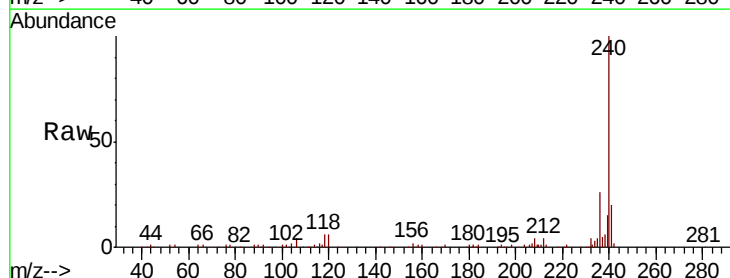


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

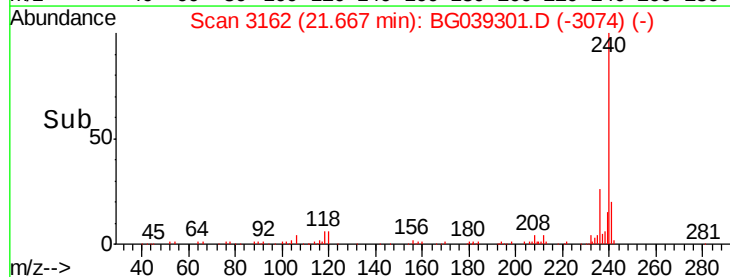
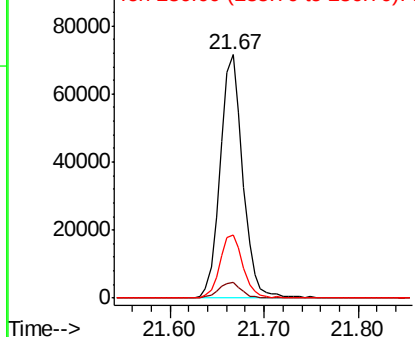


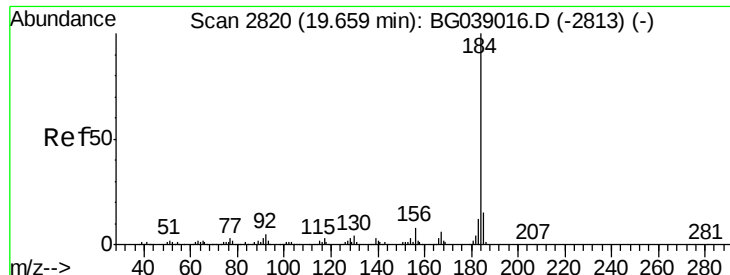
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG039301.D
 Acq: 26 Jan 2019 7:47

Tgt Ion:240 Resp: 120064
 Ion Ratio Lower Upper
 240 100
 120 6.3 4.3 6.5
 236 25.8 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: 2.643 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

Instrument :

BNA_G

ClientSampleId :

S5

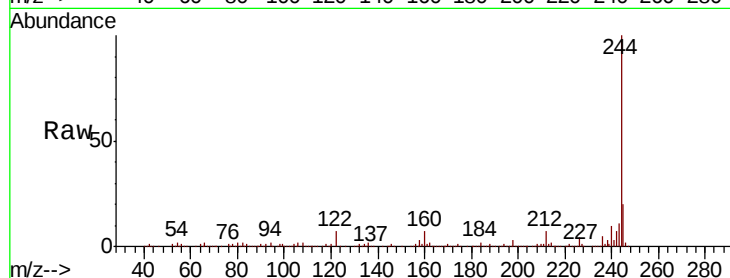
Tgt Ion:184 Resp: 9705

Ion Ratio Lower Upper

184 100

185 17.6 12.1 18.1

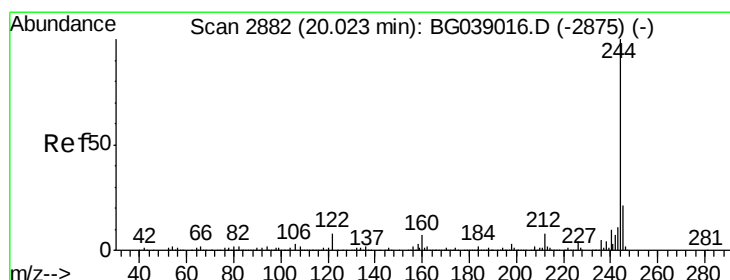
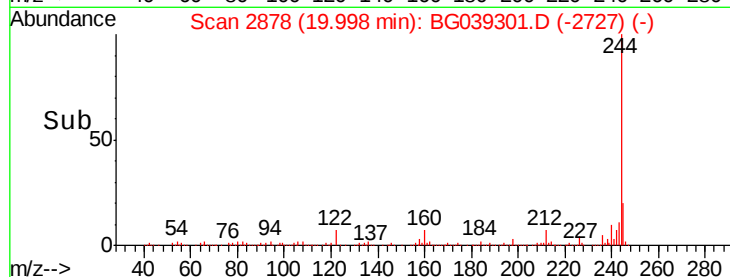
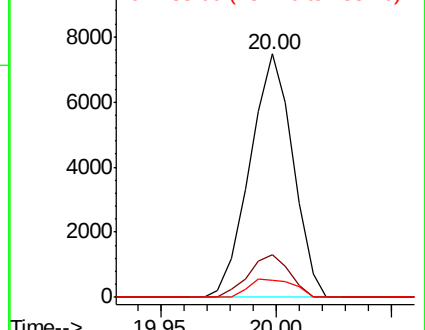
183 6.9 9.5 14.3#



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: 95.378 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039301.D

Acq: 26 Jan 2019 7:47

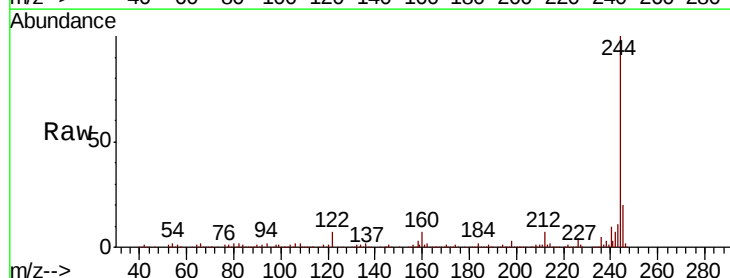
Tgt Ion:244 Resp: 619037

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

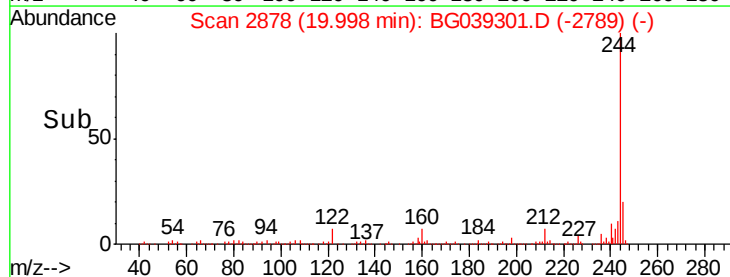
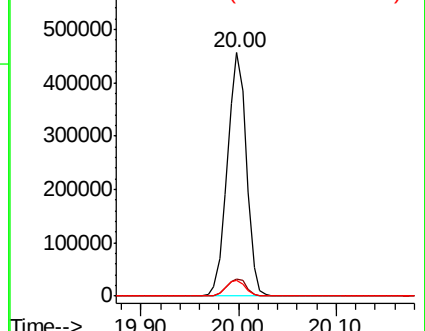
122 6.6 6.1 9.1

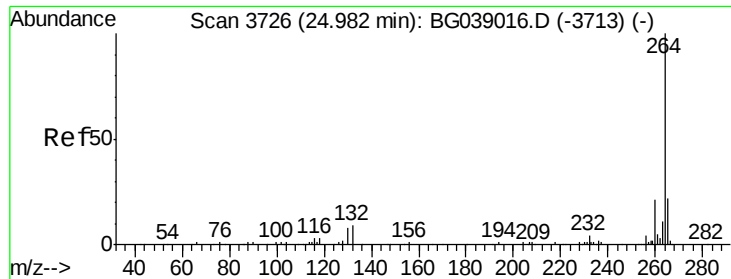


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

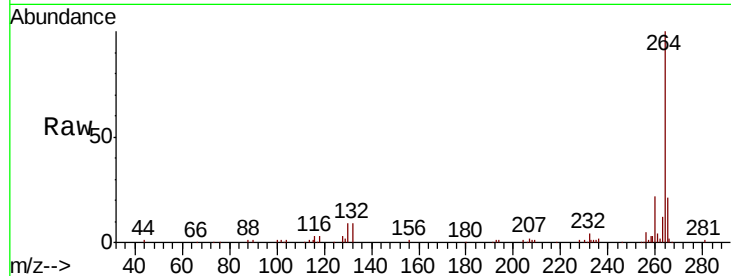




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.03 min
Lab File: BG039301.D
Acq: 26 Jan 2019 7:47

Instrument :
BNA_G
ClientSampleId :
S5

Tgt Ion:	264	Resp:	128888
Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.0	25.6
265	20.8	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

