

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039289.D
 Acq On : 25 Jan 2019 21:59
 Operator : JU/SJ
 Sample : PB116630BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116630BL

Quant Time: Jan 28 03:15:08 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

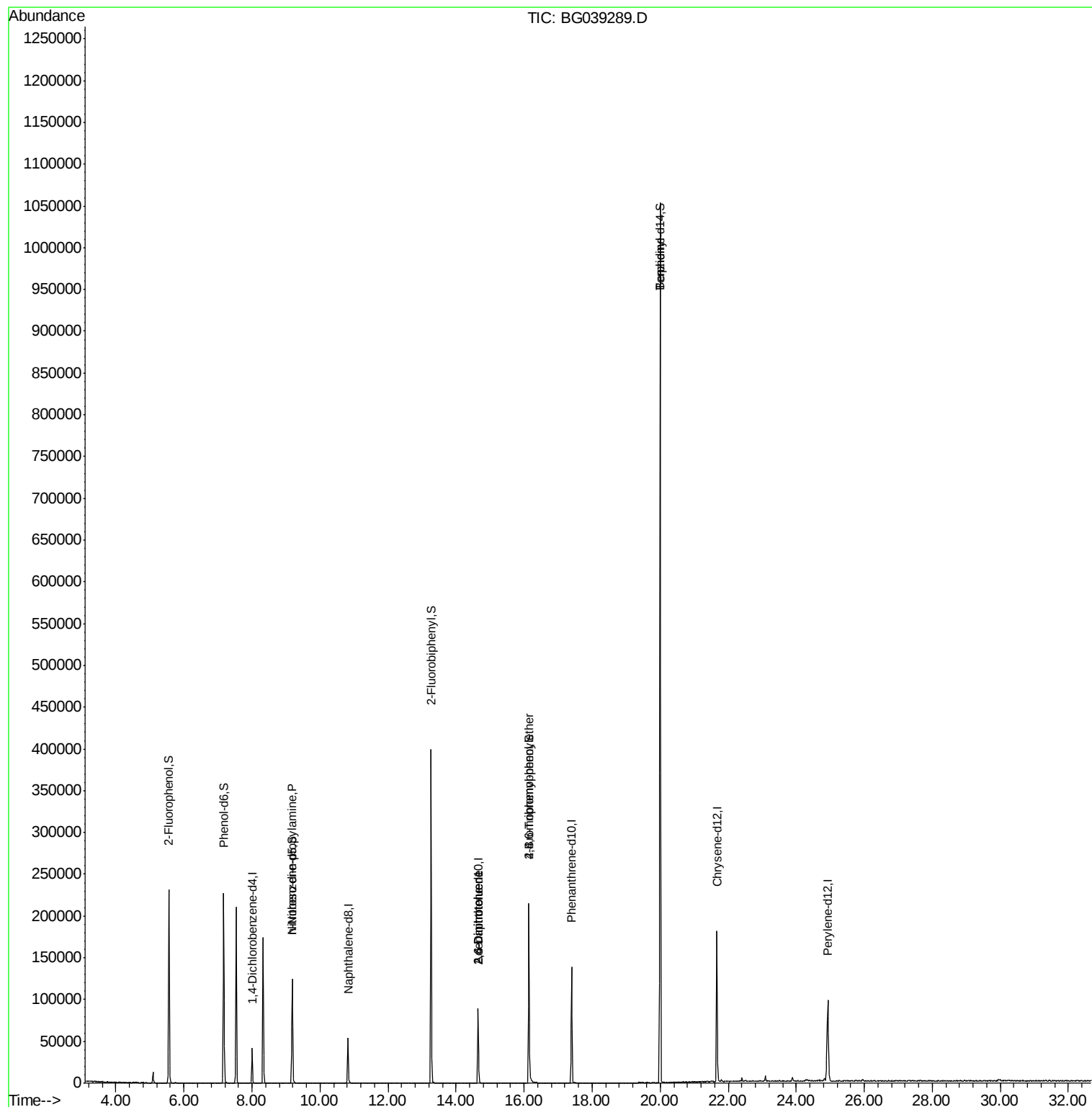
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	12624	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	52383	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	34502	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	96454	20.00	ng	0.00
76) Chrysene-d12	21.67	240	120042	20.00	ng	-0.01
87) Perylene-d12	24.93	264	127903	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	107786	161.97	ng	0.00
7) Phenol-d6	7.17	99	142200	148.48	ng	0.00
23) Nitrobenzene-d5	9.18	82	75658	79.03	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	54956	95.02	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	222904	88.42	ng	0.00
79) Terphenyl-d14	20.00	244	541225	83.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	10277	16.341	ng	# 65
51) 2,6-Dinitrotoluene	14.65	165	4504	6.910	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	4504	4.816	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	3115	2.512	ng	# 1
77) Benzidine	20.00	184	8611	2.345	ng	# 96

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

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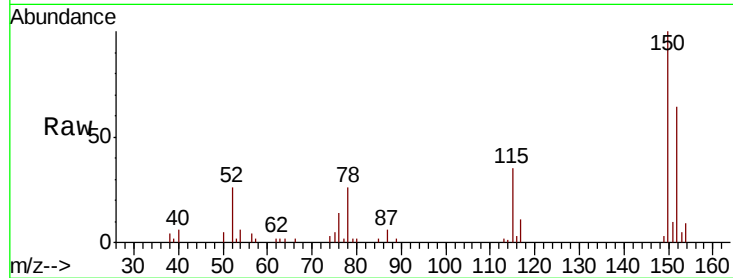


#1

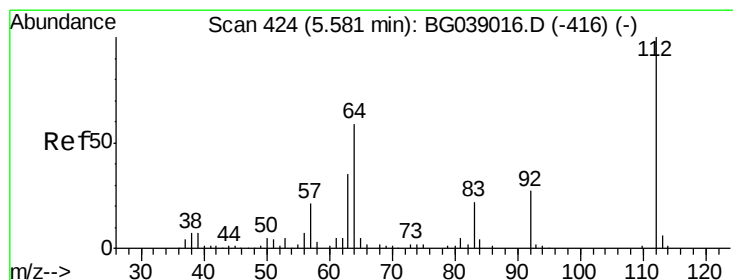
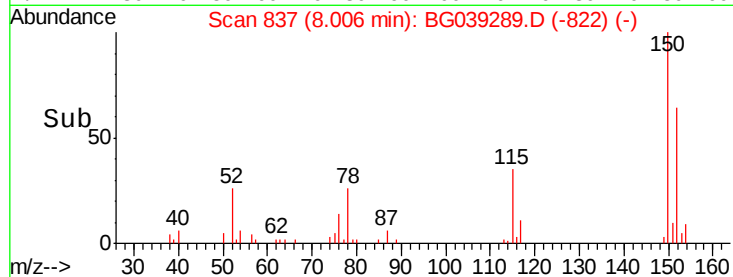
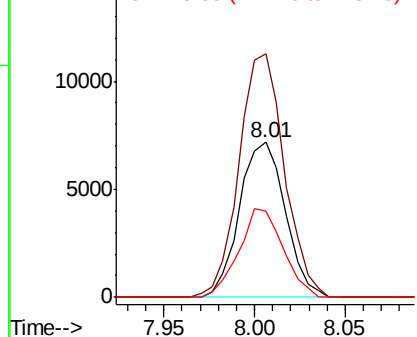
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Instrument :
BNA_G
ClientSampleId :
PB116630BL

Tgt Ion:152 Resp: 12624
Ion Ratio Lower Upper
152 100
150 156.9 124.7 187.1
115 55.3 46.5 69.7



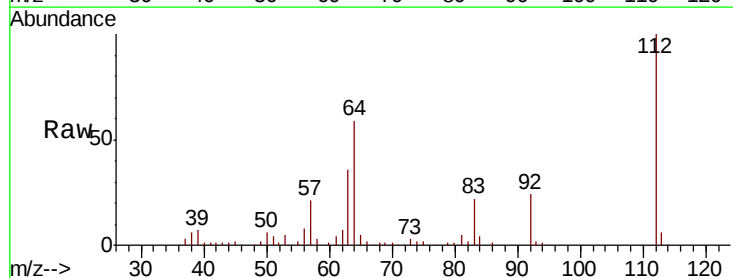
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



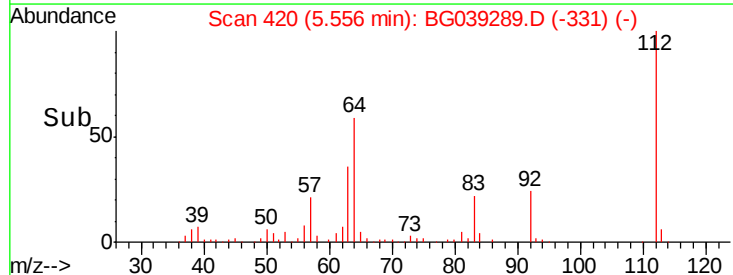
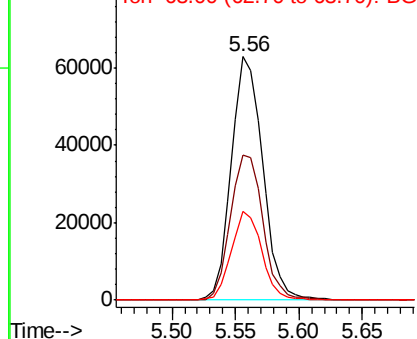
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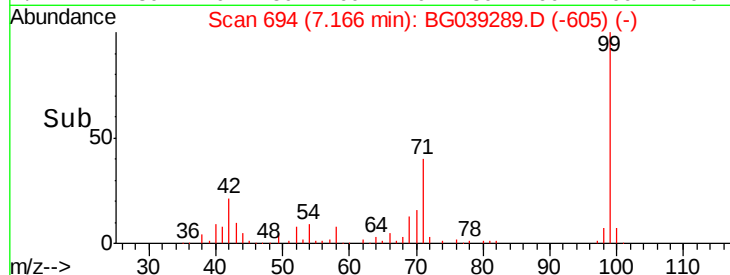
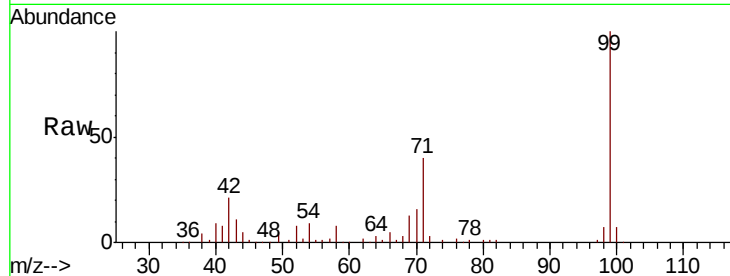
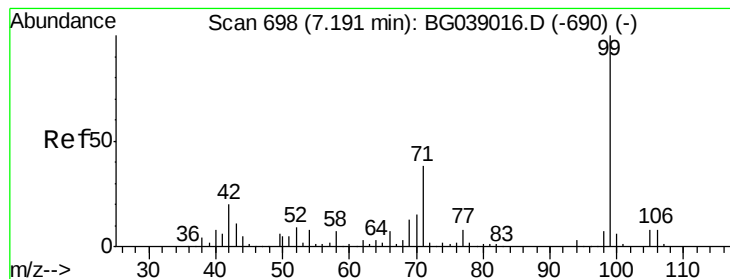
2-Fluorophenol
Concen: 161.968 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Tgt Ion:112 Resp: 107786
Ion Ratio Lower Upper
112 100
64 59.5 47.0 70.6
63 36.5 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: 148.479 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

Instrument :

BNA_G

ClientSampleId :

PB116630BL

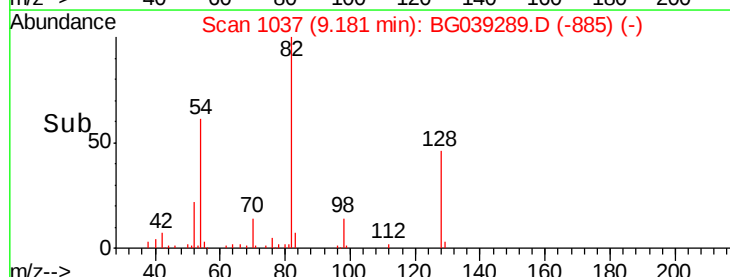
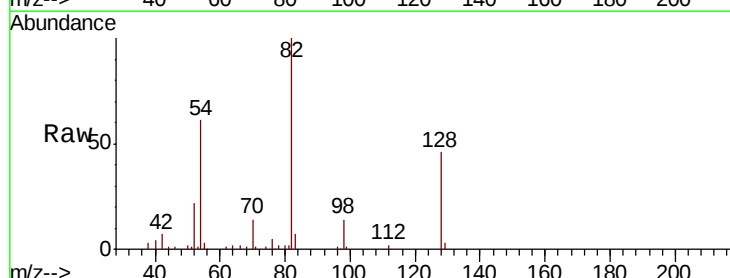
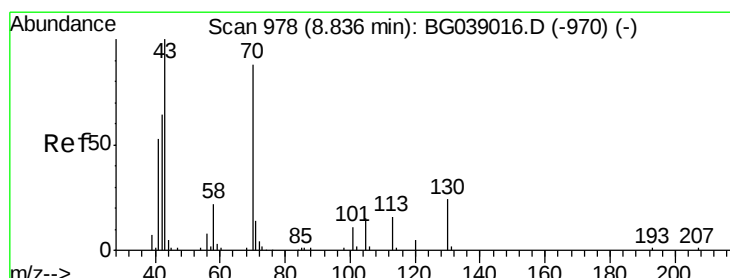
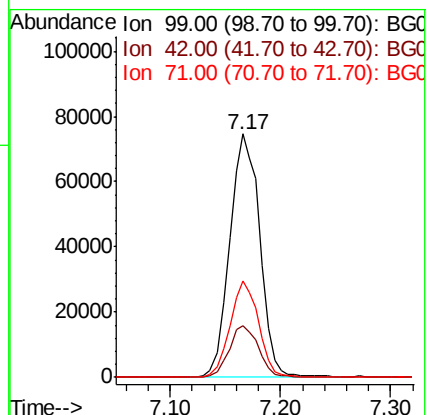
Tgt Ion: 99 Resp: 142200

Ion Ratio Lower Upper

99 100

42 21.3 15.8 23.6

71 39.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.341 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

Tgt Ion: 70 Resp: 10277

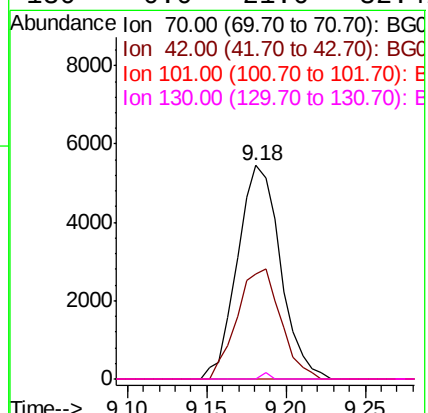
Ion Ratio Lower Upper

70 100

42 49.1 59.0 88.4#

101 0.0 10.4 15.6#

130 0.0 21.6 32.4#

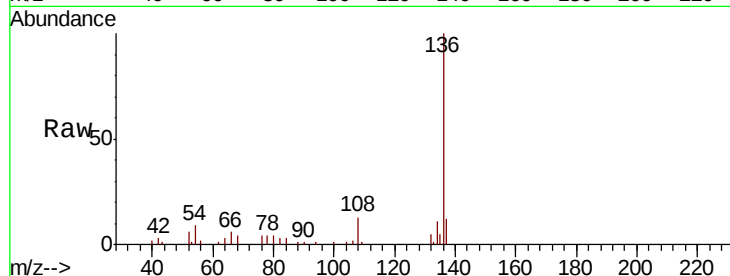




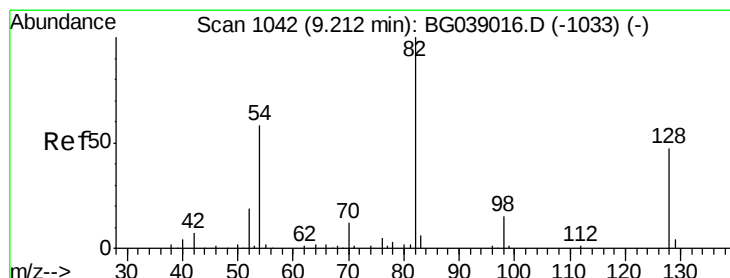
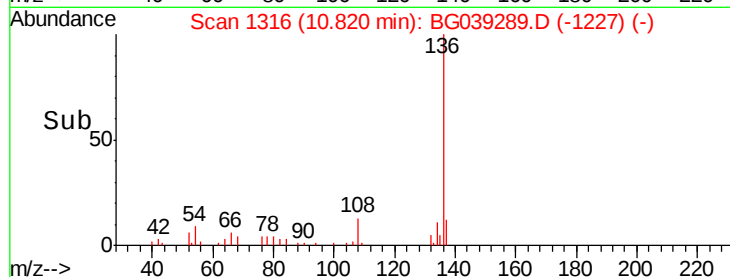
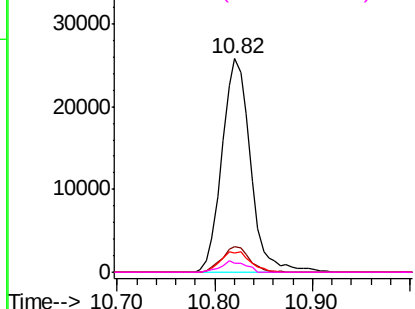
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Instrument :
BNA_G
ClientSampleId :
PB116630BL

Tgt Ion: 136 Resp: 52383
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.2
54 9.3 7.2 10.8
68 4.0 3.5 5.3

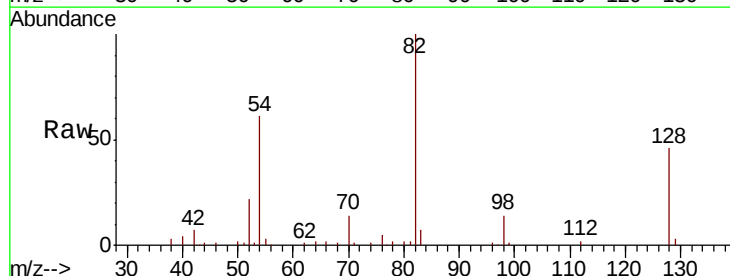


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

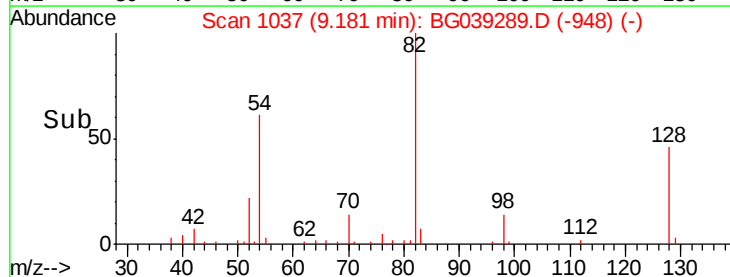
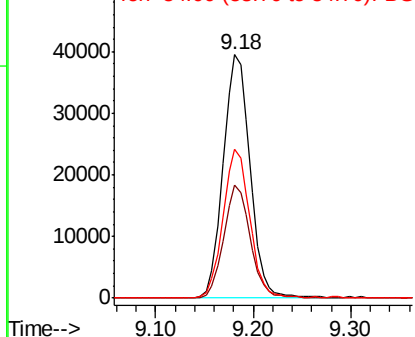


#23
Nitrobenzene-d5
Concen: 79.033 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Tgt Ion: 82 Resp: 75658
Ion Ratio Lower Upper
82 100
128 46.2 37.3 55.9
54 61.1 46.4 69.6



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

Instrument :

BNA_G

ClientSampleId :

PB116630BL

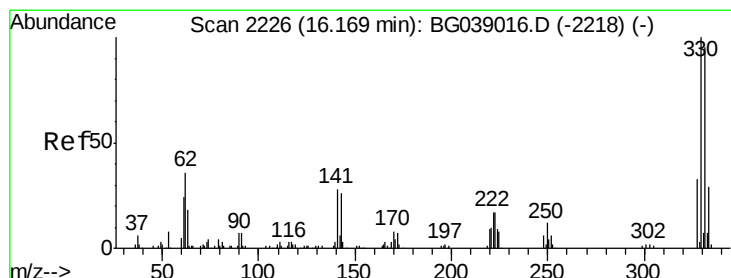
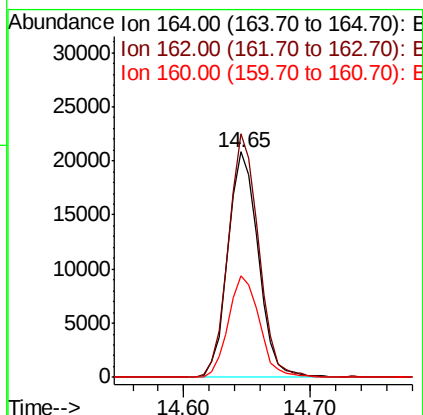
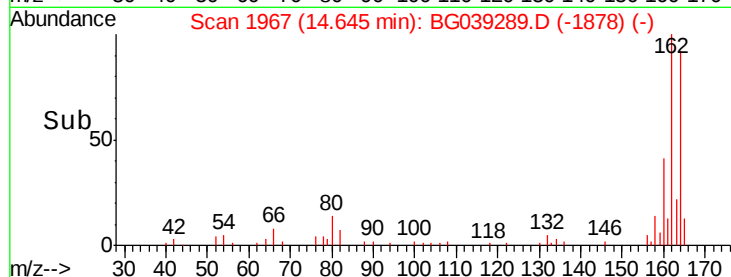
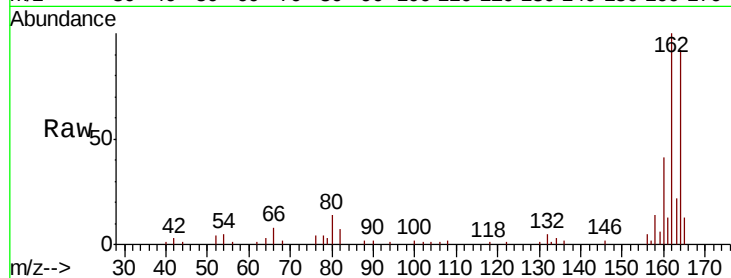
Tgt Ion:164 Resp: 34502

Ion Ratio Lower Upper

164 100

162 108.1 87.2 130.8

160 44.8 33.3 49.9



#42

2,4,6-Tribromophenol

Concen: 95.022 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

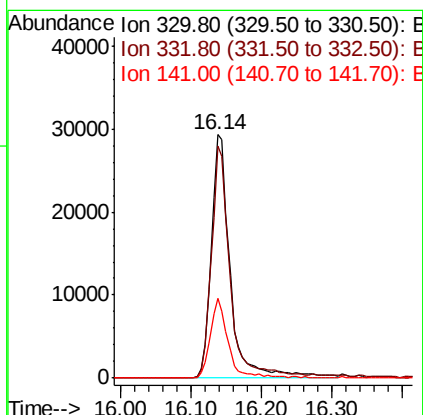
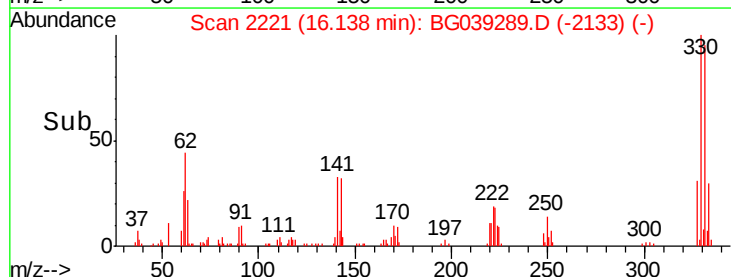
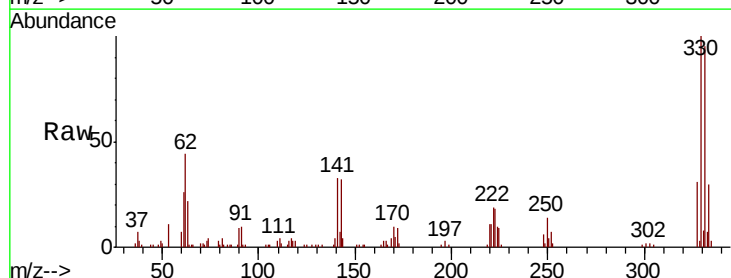
Tgt Ion:330 Resp: 54956

Ion Ratio Lower Upper

330 100

332 94.3 75.7 113.5

141 30.4 24.9 37.3

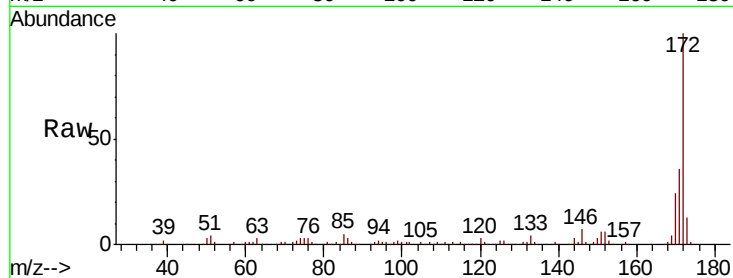




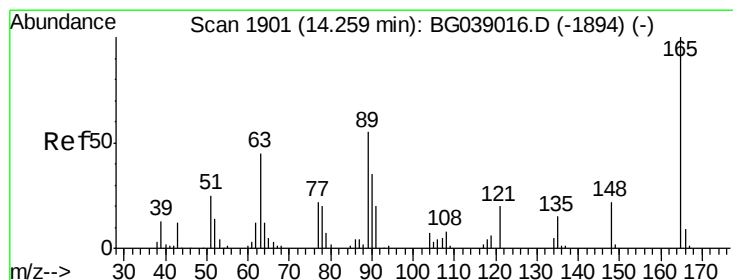
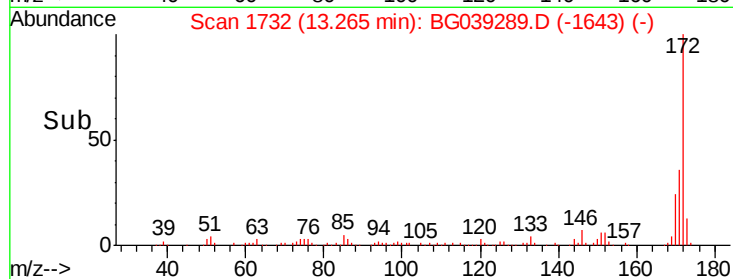
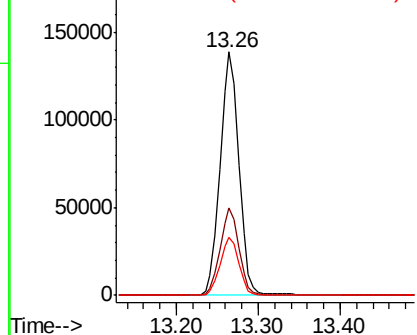
#45
 2-Fluorobiphenyl
 Concen: 88.418 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039289.D
 Acq: 25 Jan 2019 21:59

Instrument :
 BNA_G
 ClientSampleId :
 PB116630BL

Tgt Ion:172 Resp: 222904
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 23.7 20.1 30.1

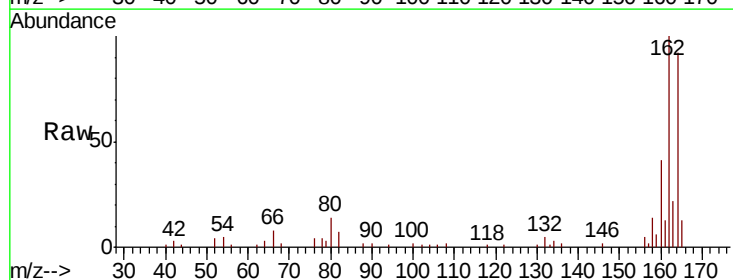


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

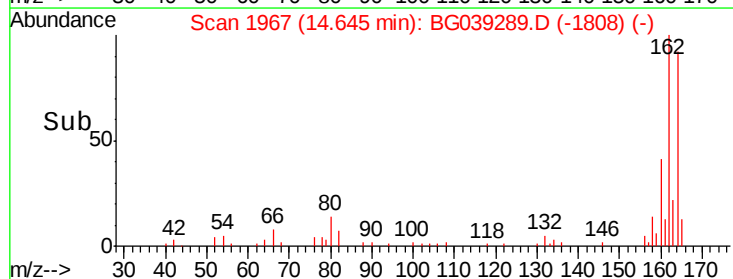
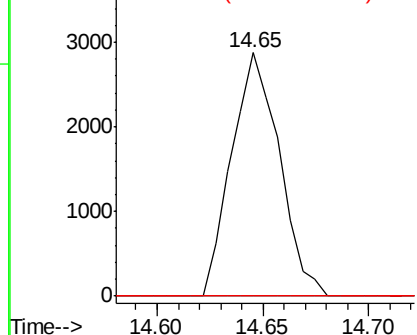


#51
 2,6-Dinitrotoluene
 Concen: 6.910 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039289.D
 Acq: 25 Jan 2019 21:59

Tgt Ion:165 Resp: 4504
 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

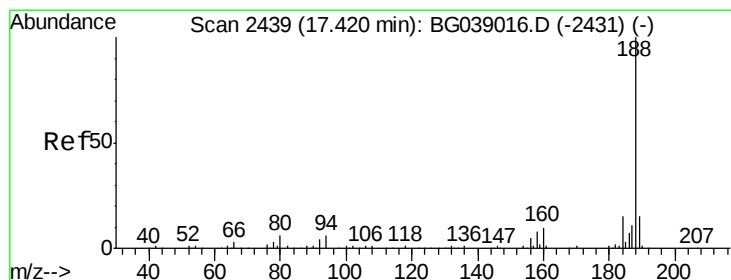
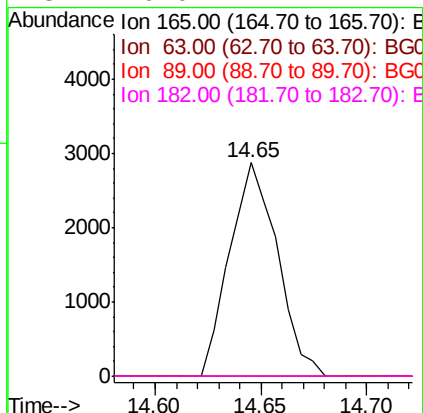
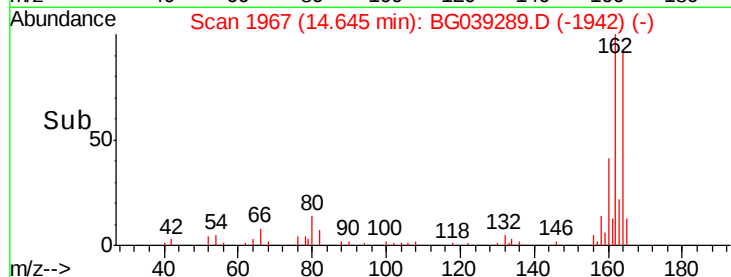
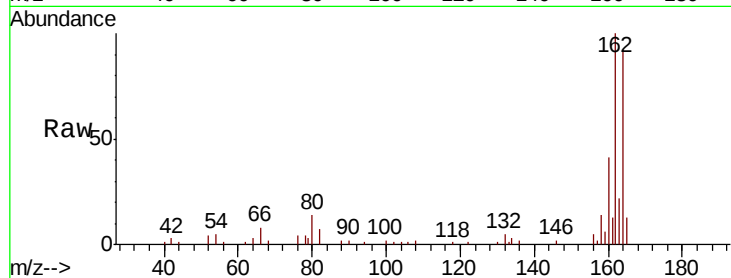




#57
2,4-Dinitrotoluene
Concen: 4.816 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.39 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

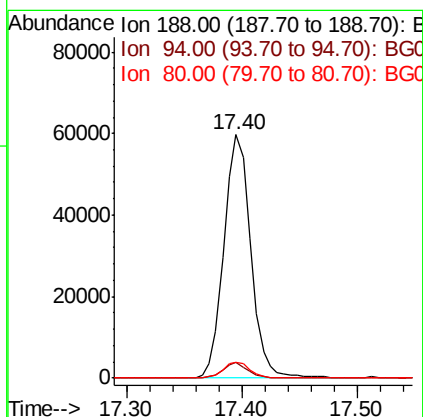
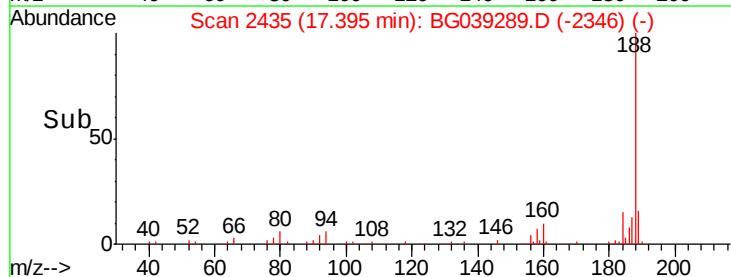
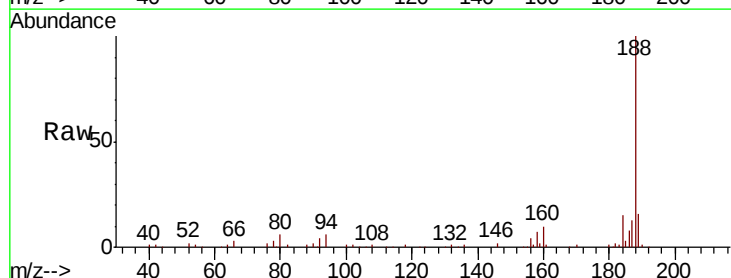
Instrument :
BNA_G
ClientSampleId :
PB116630BL

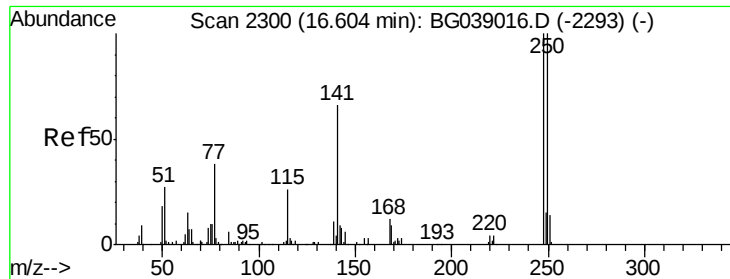
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.0	7.4
80	6.3	4.7	7.1

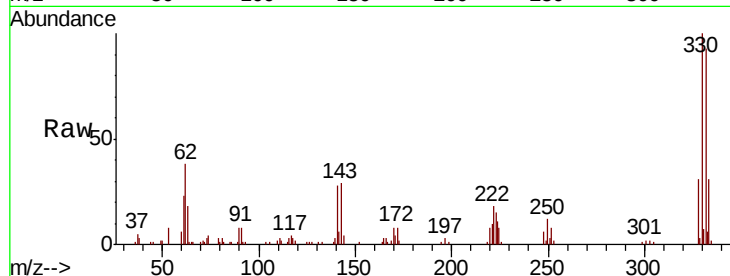




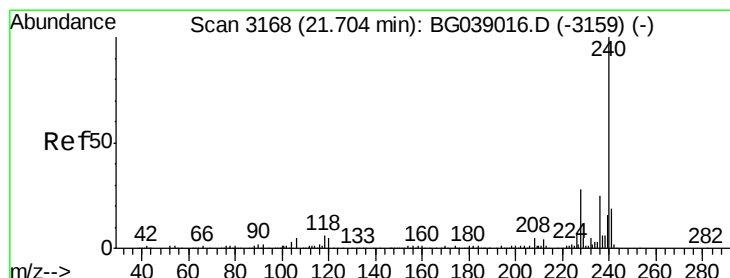
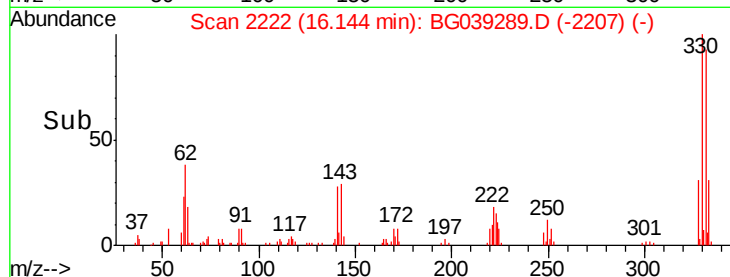
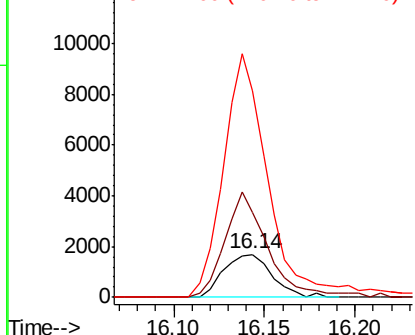
#67
4-Bromophenyl-phenylether
Concen: 2.512 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Instrument :
BNA_G
ClientSampleId :
PB116630BL

Tgt Ion:248 Resp: 3115
Ion Ratio Lower Upper
248 100
250 194.0 79.9 119.9#
141 362.6 52.7 79.1#

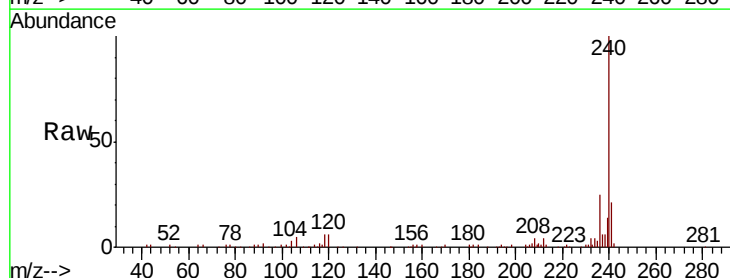


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

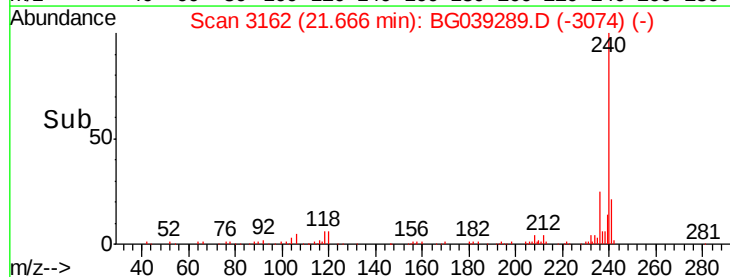
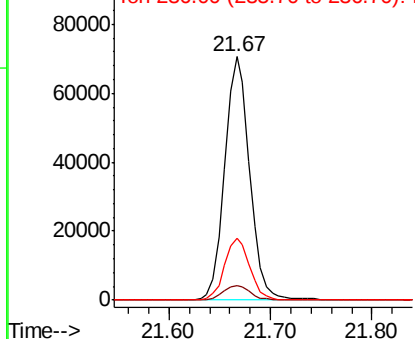


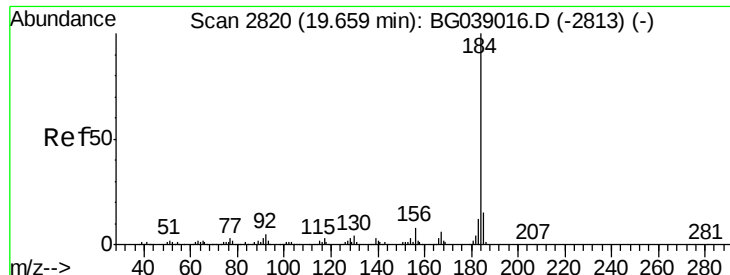
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Tgt Ion:240 Resp: 120042
Ion Ratio Lower Upper
240 100
120 5.8 4.3 6.5
236 25.2 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: 2.345 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

Instrument :

BNA_G

ClientSampleId :

PB116630BL

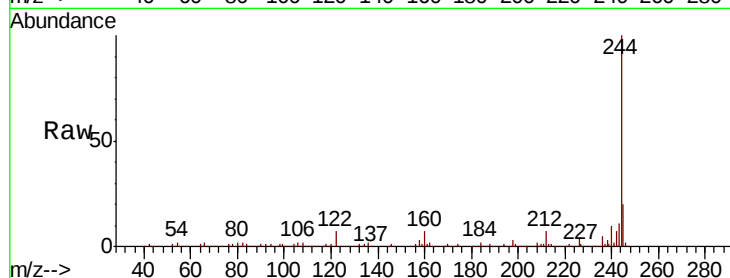
Tgt Ion:184 Resp: 8611

Ion Ratio Lower Upper

184 100

185 15.2 12.1 18.1

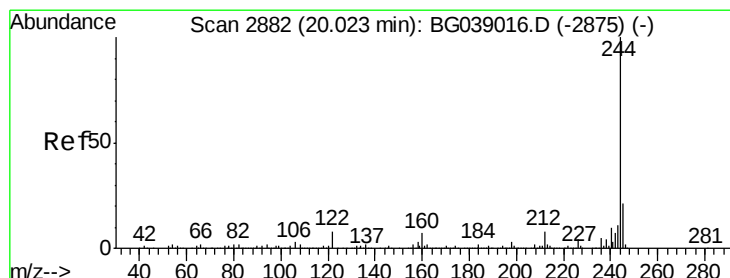
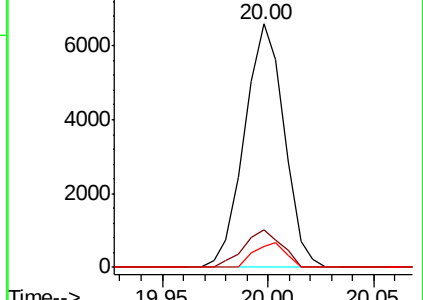
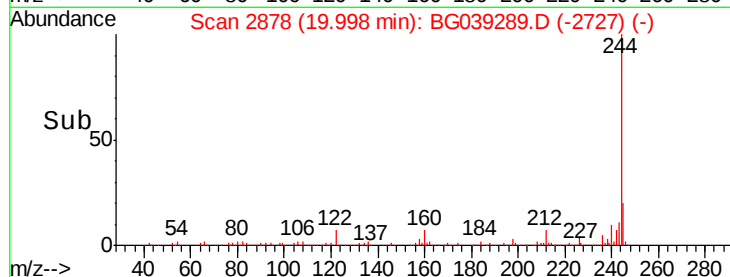
183 8.7 9.5 14.3#



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: 83.405 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039289.D

Acq: 25 Jan 2019 21:59

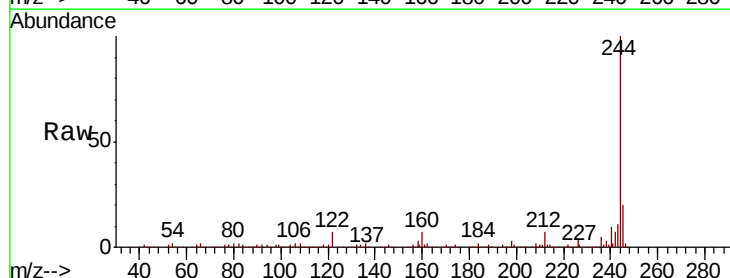
Tgt Ion:244 Resp: 541225

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

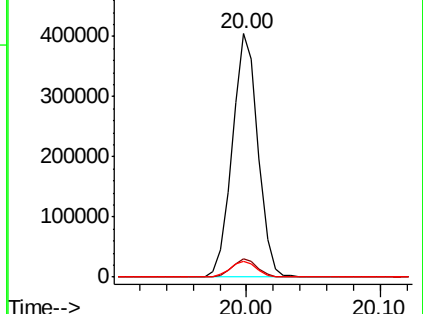
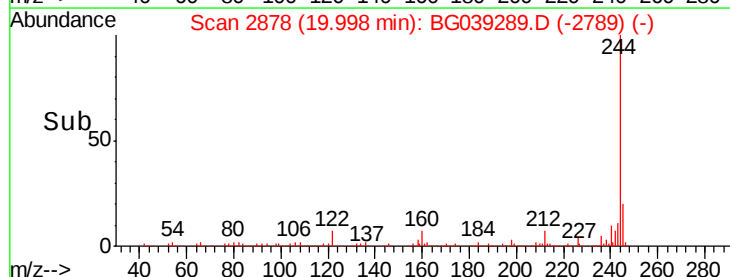
122 6.7 6.1 9.1

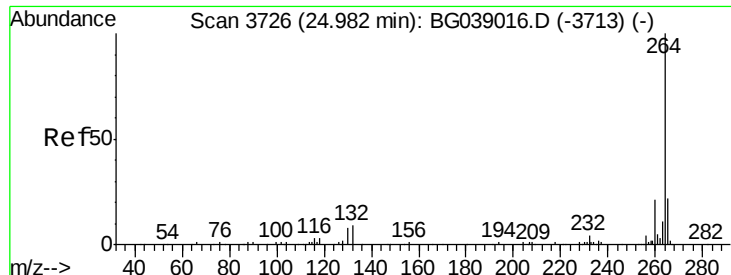


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.02 min
Lab File: BG039289.D
Acq: 25 Jan 2019 21:59

Instrument :
BNA_G
ClientSampleId :
PB116630BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.0	25.6
265	22.1	17.2	25.8

