

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039066.D
 Acq On : 10 Jan 2019 23:54
 Operator : JU/SJ
 Sample : K1005-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 05:12:43 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

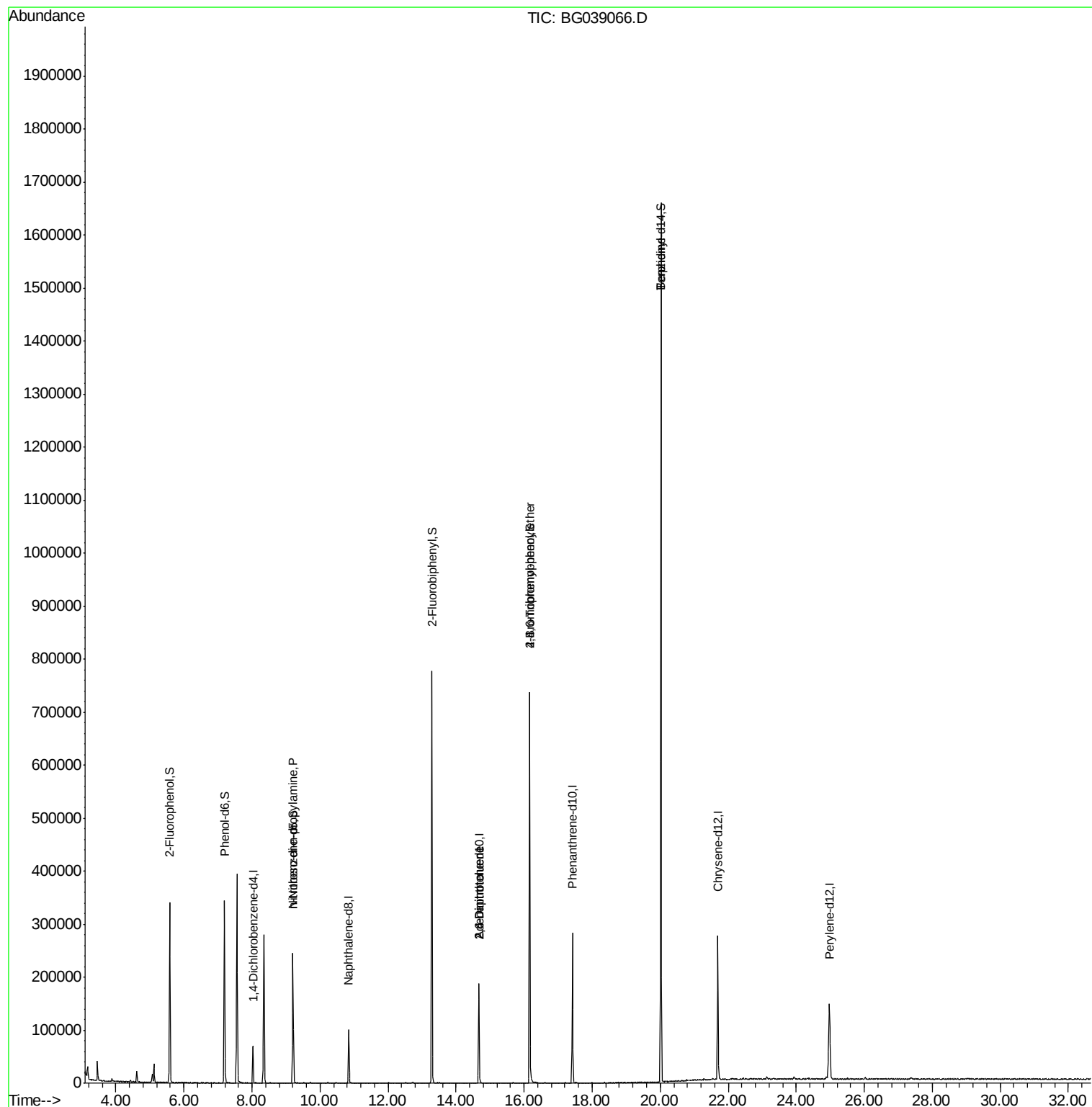
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	21371	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	90389	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	69857	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	186056	20.00	ng	0.00
76) Chrysene-d12	21.70	240	174750	20.00	ng	0.00
87) Perylene-d12	24.97	264	185121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	158251	140.47	ng	0.00
7) Phenol-d6	7.19	99	201343	124.19	ng	0.00
23) Nitrobenzene-d5	9.20	82	146663	88.79	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	166153	141.89	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	437793	85.77	ng	0.00
79) Terphenyl-d14	20.02	244	824369	87.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	19441	18.260	ng	# 67
51) 2,6-Dinitrotoluene	14.67	165	9179	6.955	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	9179	4.848	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10693	4.471	ng	# 1
77) Benzidine	20.02	184	13025	2.437	ng	96

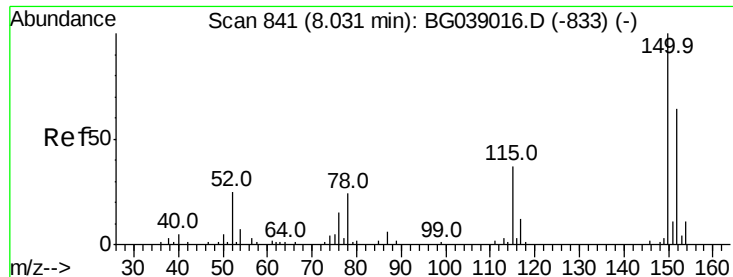
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



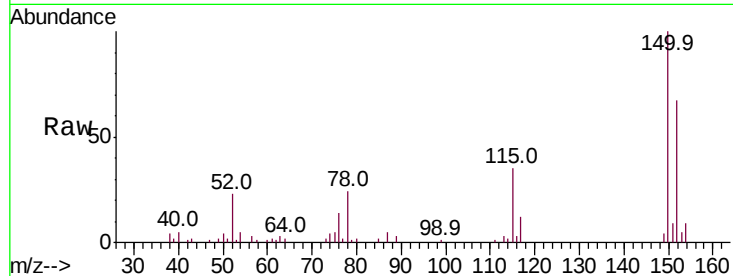


#1

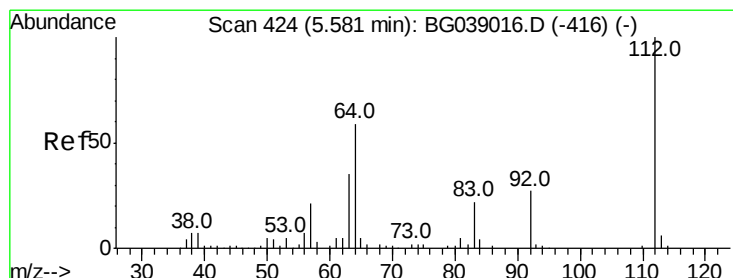
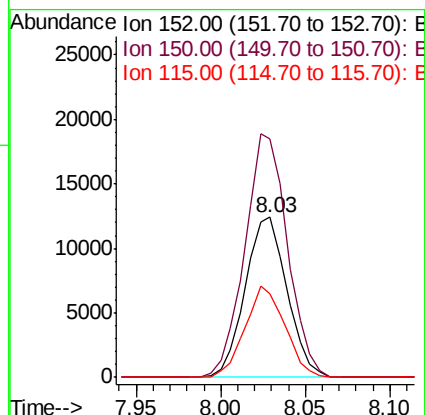
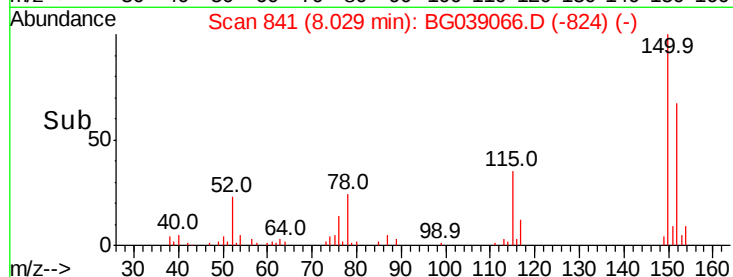
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21371
Ion Ratio Lower Upper
152 100
150 149.2 124.7 187.1
115 52.6 46.5 69.7



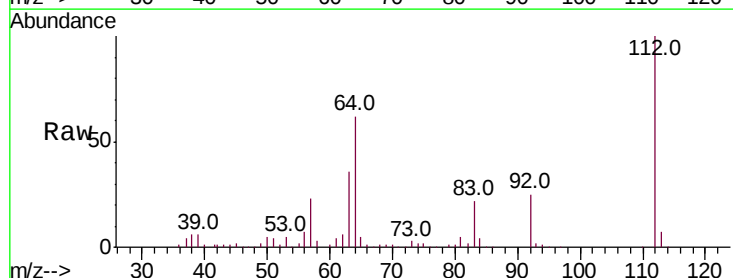
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



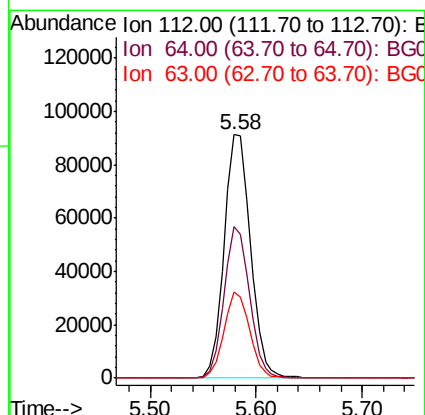
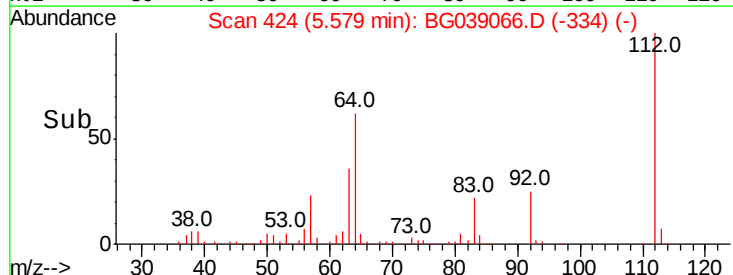
#5

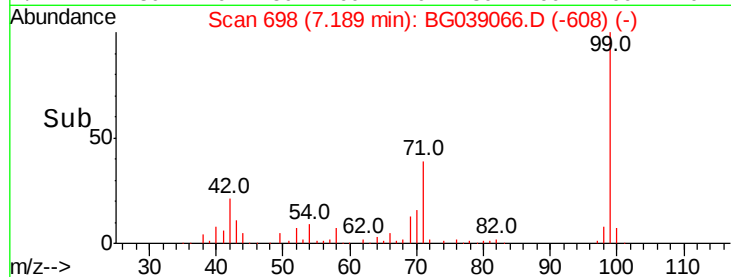
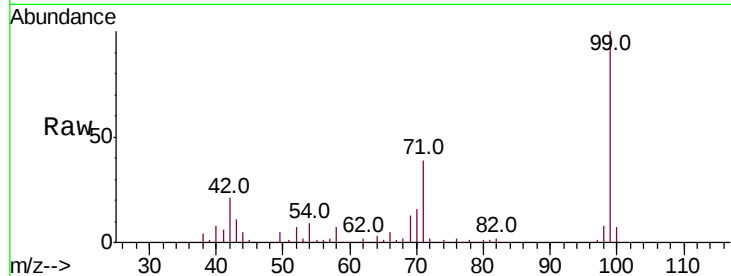
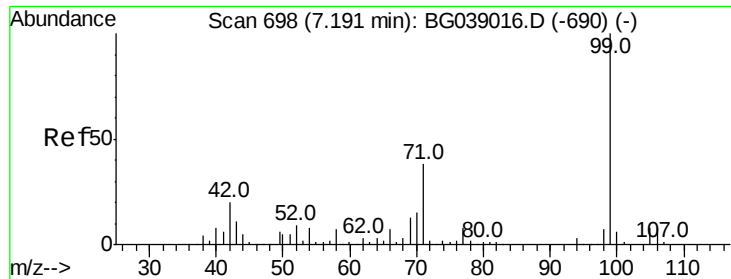
2-Fluorophenol
Concen: 140.470 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

Tgt Ion:112 Resp: 158251
Ion Ratio Lower Upper
112 100
64 62.1 47.0 70.6
63 35.6 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: 124.187 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

Instrument :

BNA_G

ClientSampleId :

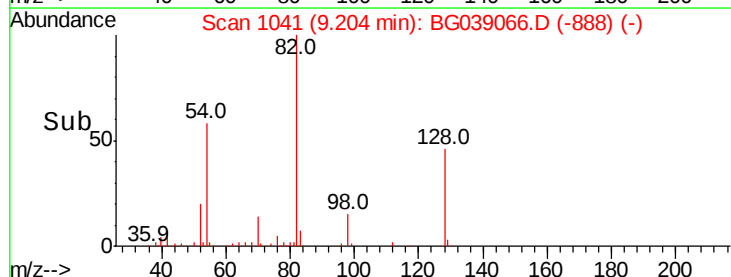
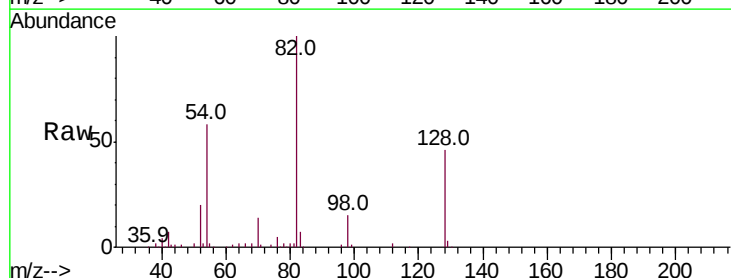
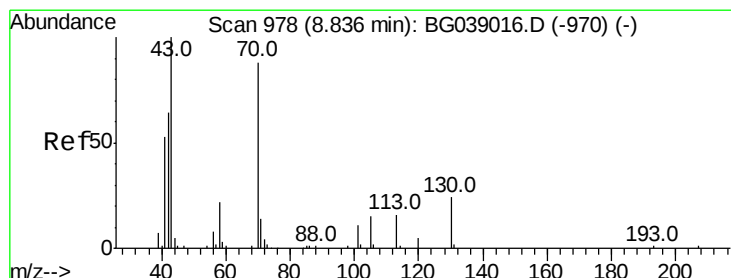
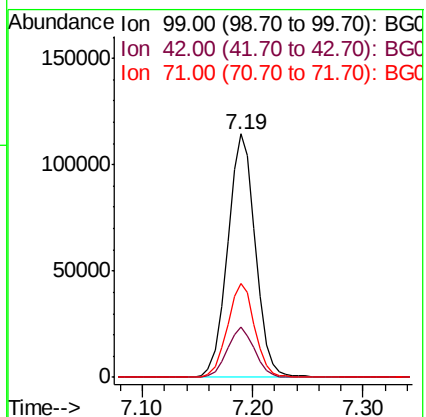
Tot Ion: 99 Resp: 201343

Ion Ratio Lower Upper

99 100

42 20.7 15.8 23.6

71 38.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.260 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

Tgt Ion: 70 Resp: 19441

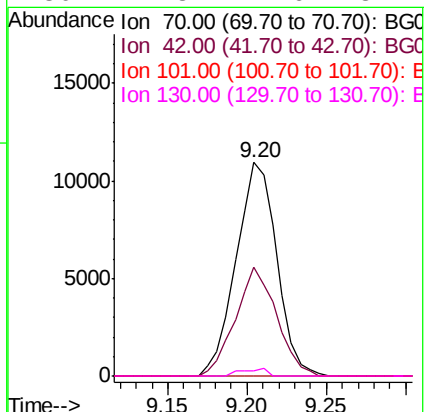
Ion Ratio Lower Upper

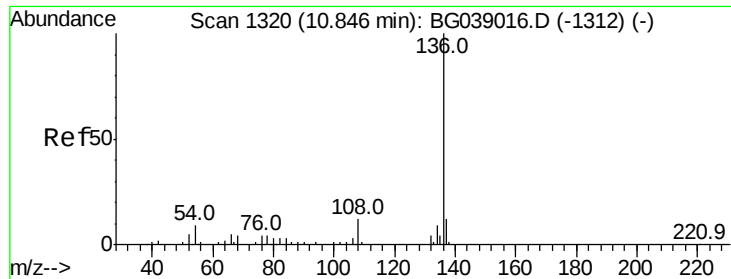
70 100

42 50.9 59.0 88.4#

101 0.0 10.4 15.6#

130 2.3 21.6 32.4#

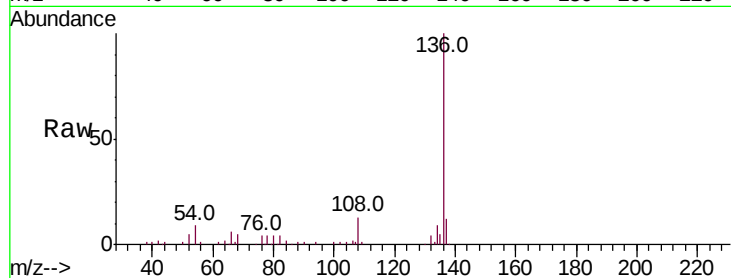




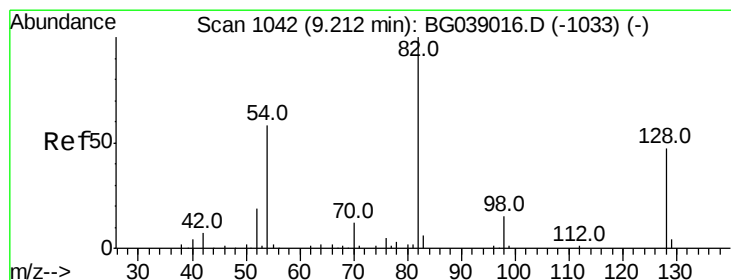
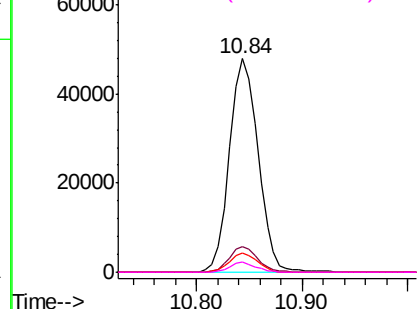
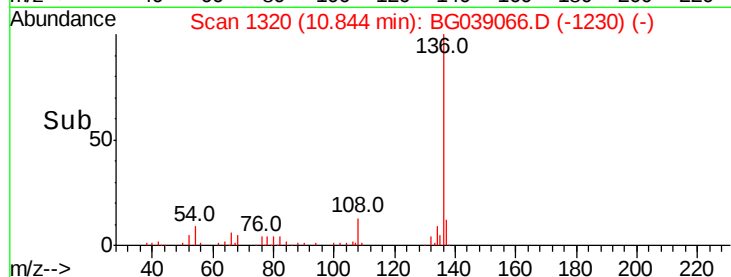
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	90389
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.4 14.2
54	9.2	7.2 10.8
68	4.8	3.5 5.3

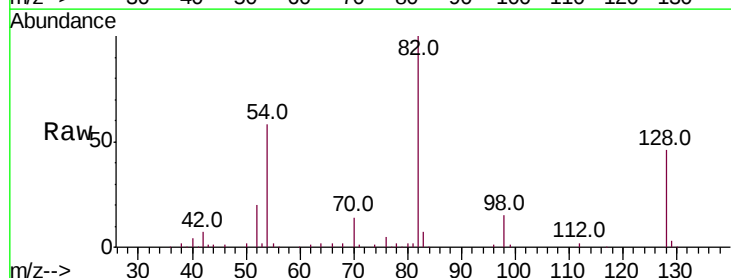


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

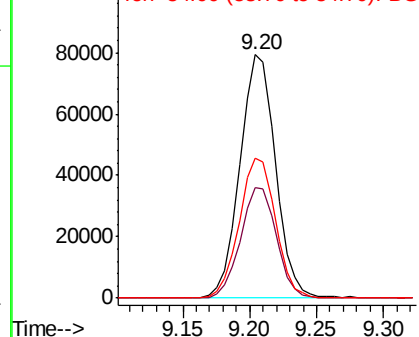
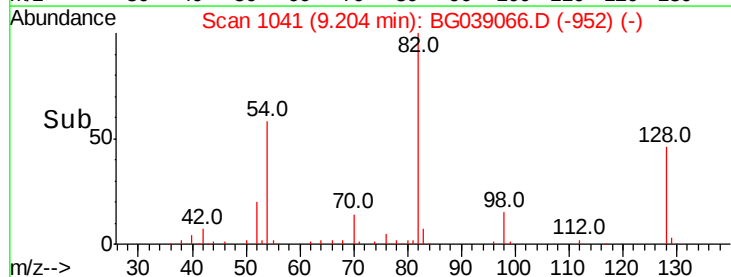


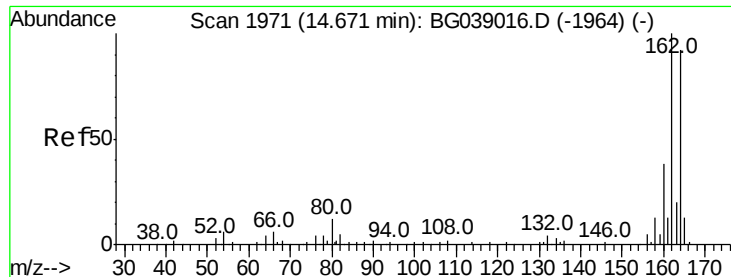
#23
Nitrobenzene-d5
Concen: 88.786 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

Tgt Ion: 82	Resp:	146663
Ion Ratio	Lower	Upper
82	100	
128	45.6	37.3 55.9
54	57.6	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

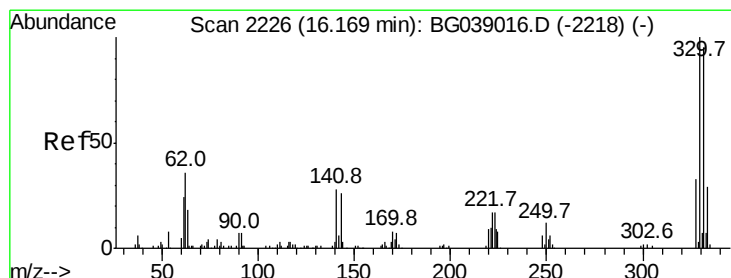
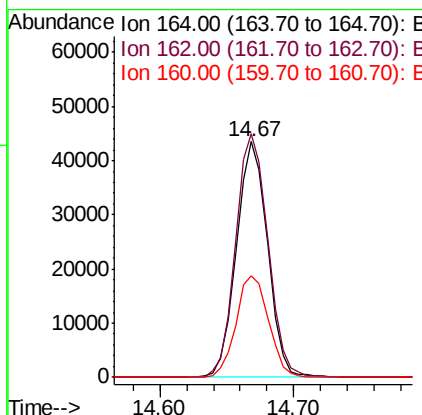
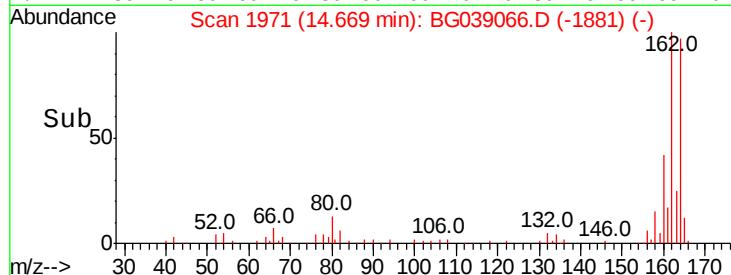
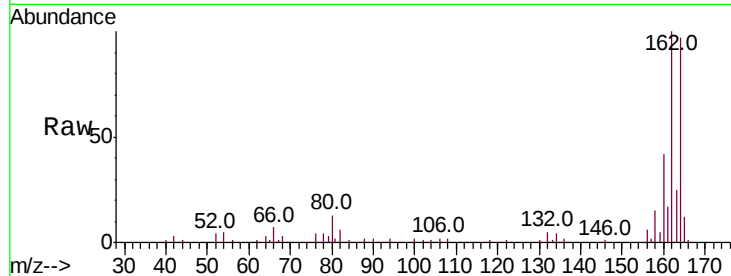




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

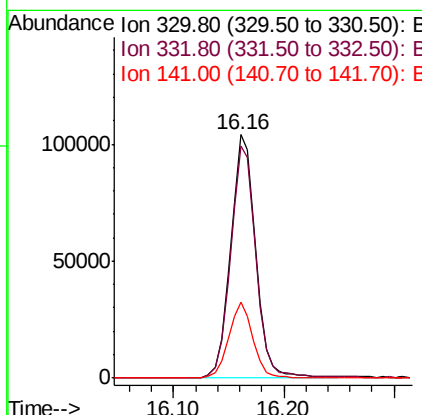
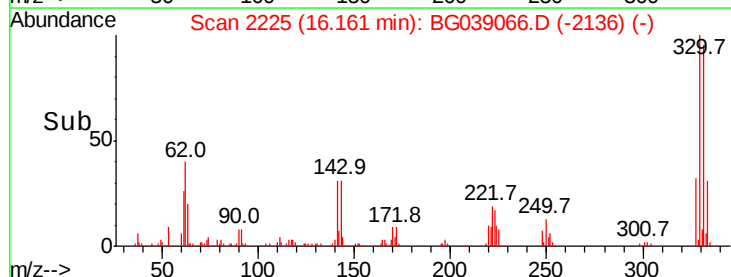
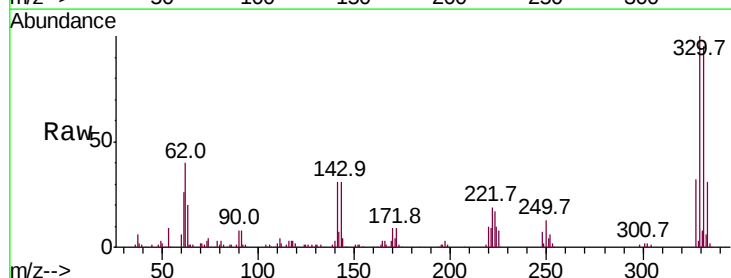
Instrument :
BNA_G
ClientSampleId :

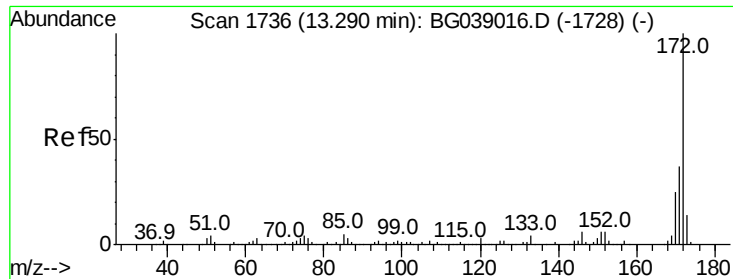
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	87.2	130.8
160	43.0	33.3	49.9



#42
2,4,6-Tribromophenol
Concen: 141.890 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG039066.D
Acq: 10 Jan 2019 23:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.7	113.5
141	30.3	24.9	37.3

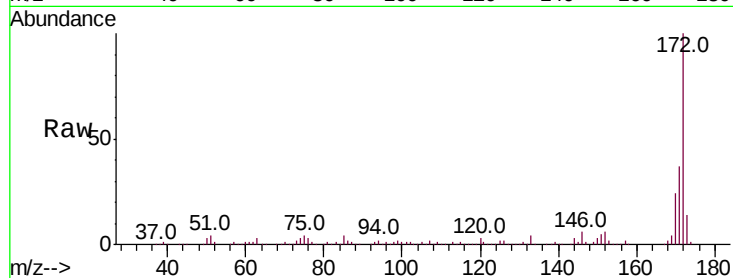




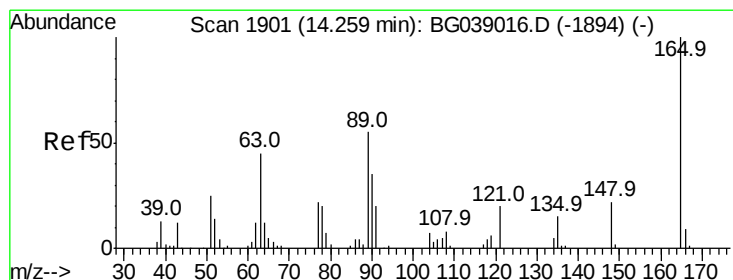
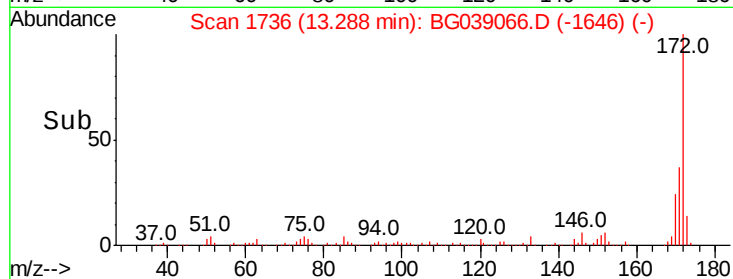
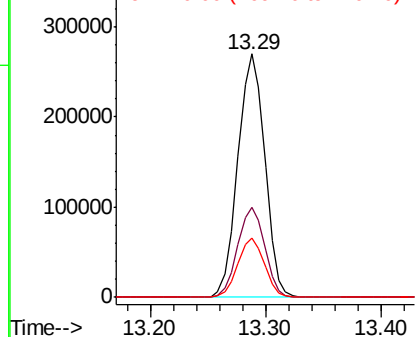
#45
 2-Fluorobiphenyl
 Concen: 85.768 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039066.D
 Acq: 10 Jan 2019 23:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 437793
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.3 20.1 30.1

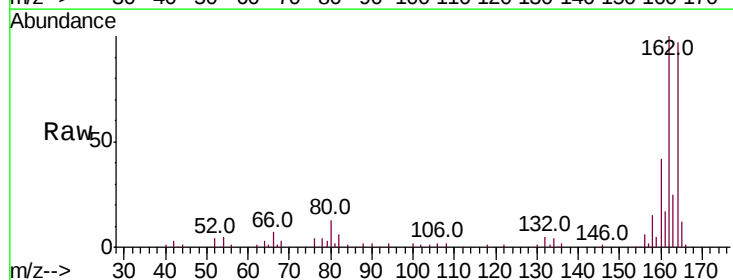


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

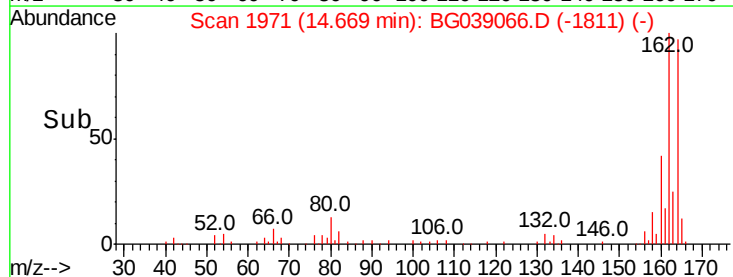
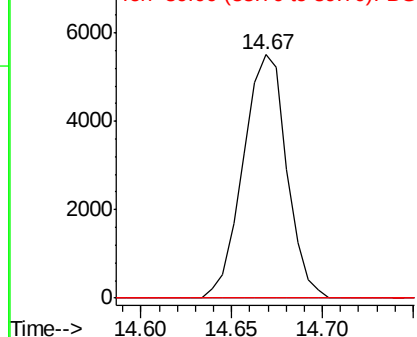


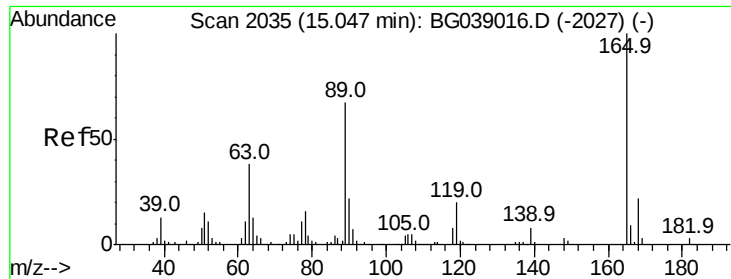
#51
 2,6-Dinitrotoluene
 Concen: 6.955 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039066.D
 Acq: 10 Jan 2019 23:54

Tgt Ion:165 Resp: 9179
 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

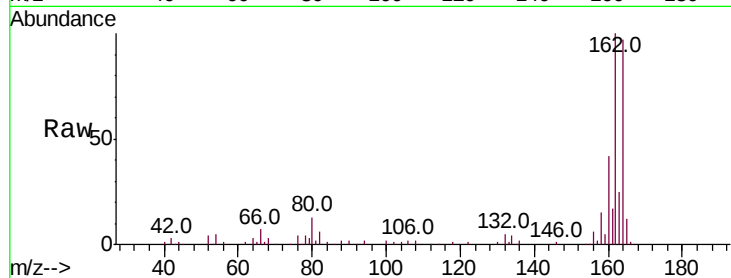




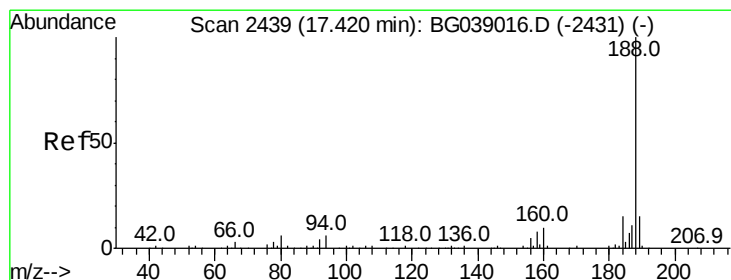
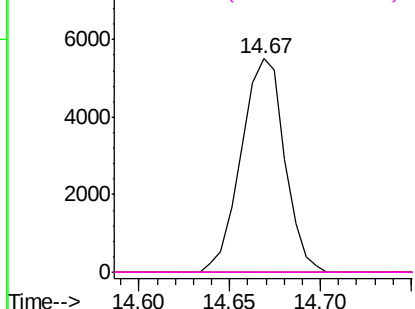
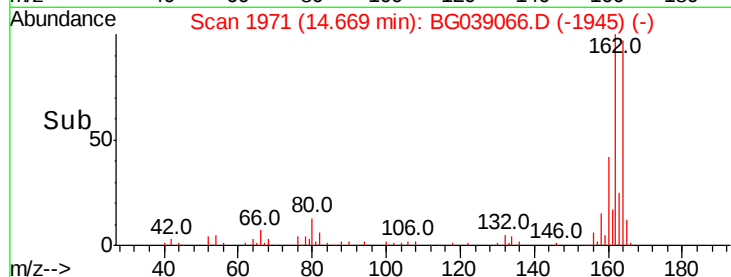
#57
 2,4-Dinitrotoluene
 Concen: 4.848 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039066.D
 Acq: 10 Jan 2019 23:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9179
 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#

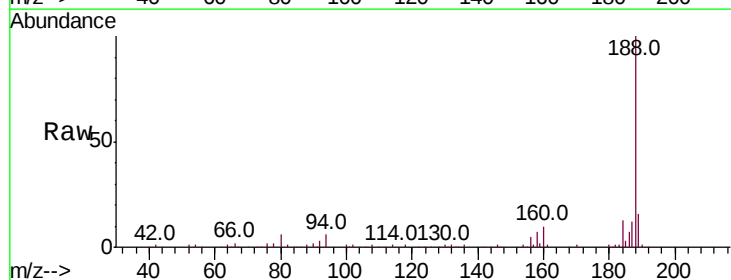


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

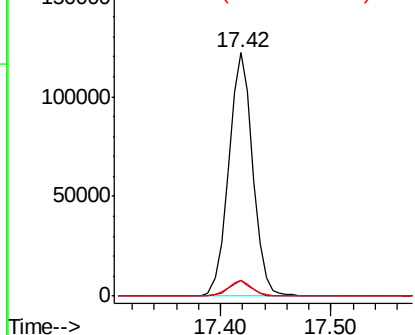
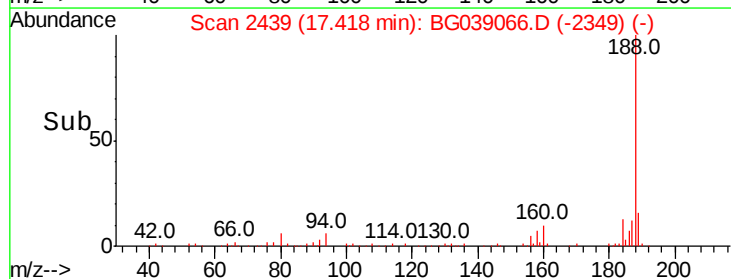


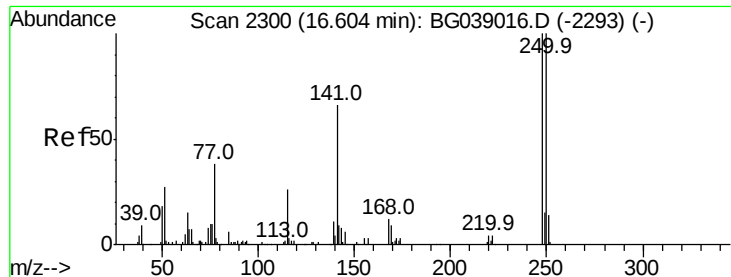
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039066.D
 Acq: 10 Jan 2019 23:54

Tgt Ion:188 Resp: 186056
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.0 7.4
 80 6.4 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: 4.471 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

Instrument :

BNA_G

ClientSampleId :

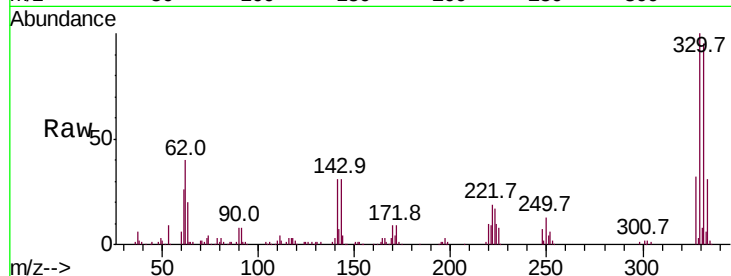
Tot Ion:248 Resp: 10693

Ion Ratio Lower Upper

248 100

250 195.3 79.9 119.9#

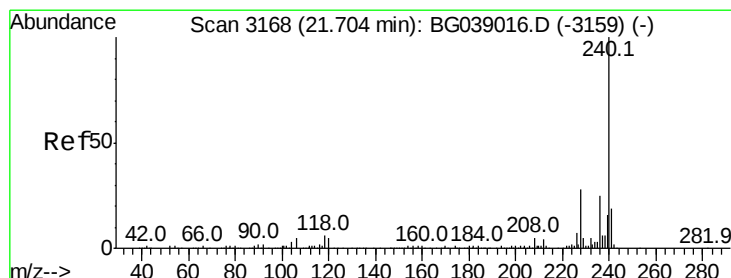
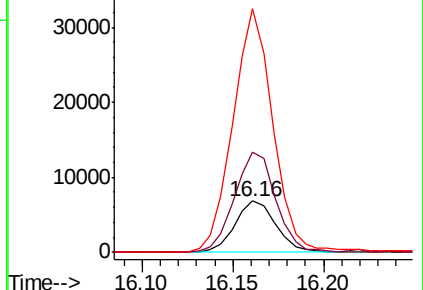
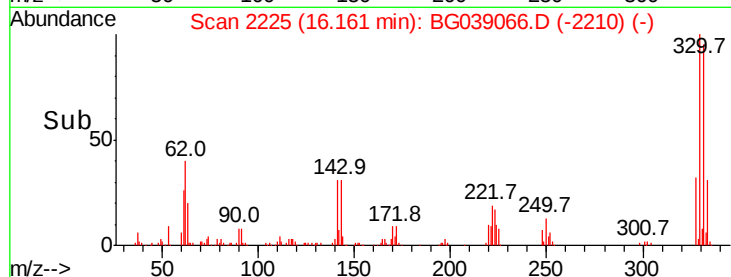
141 364.7 52.7 79.1#



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: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

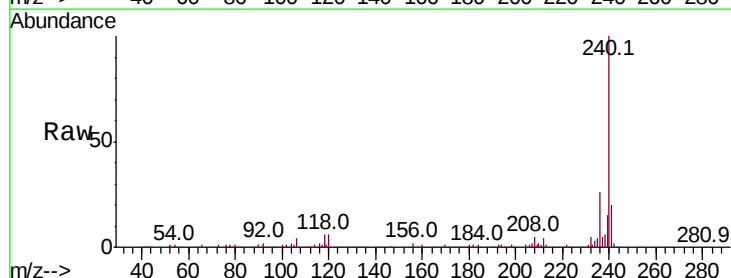
Tgt Ion:240 Resp: 174750

Ion Ratio Lower Upper

240 100

120 6.2 4.3 6.5

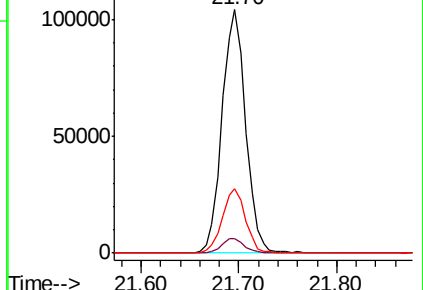
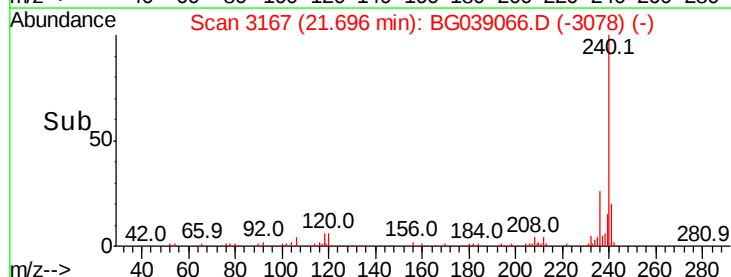
236 26.3 20.1 30.1

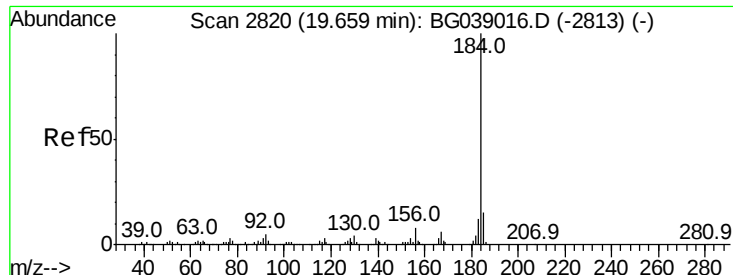


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.437 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

Instrument :

BNA_G

ClientSampleId :

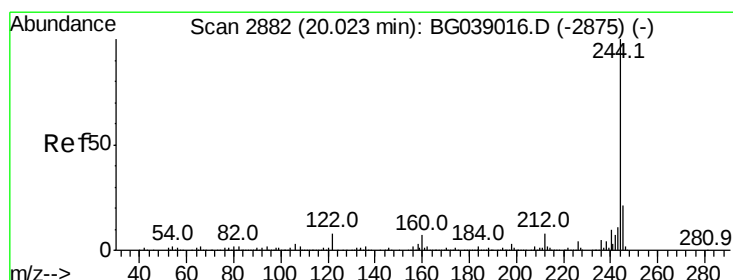
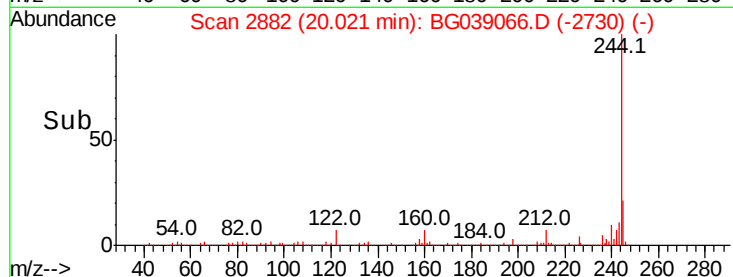
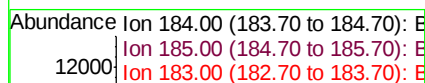
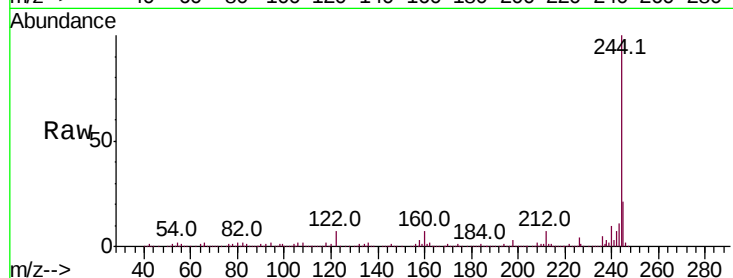
Tot Ion:184 Resp: 13025

Ion Ratio Lower Upper

184 100

185 17.1 12.1 18.1

183 10.6 9.5 14.3



#79

Terphenyl-d14

Concen: 87.267 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

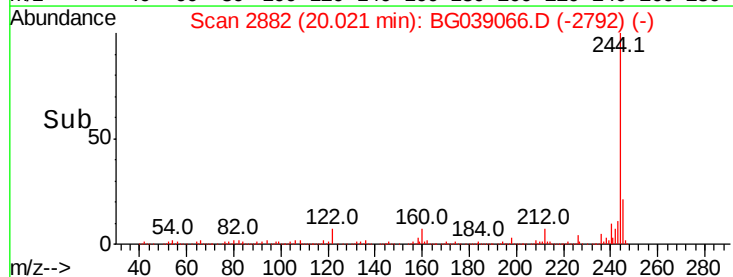
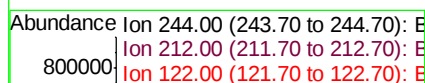
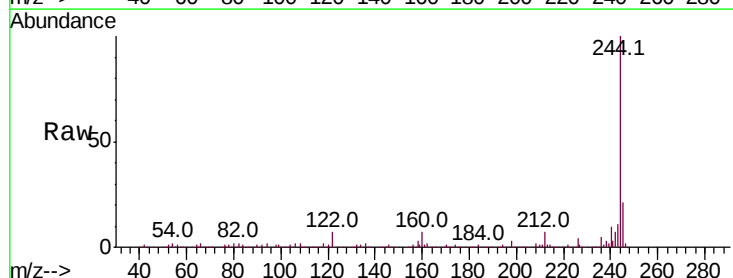
Tgt Ion:244 Resp: 824369

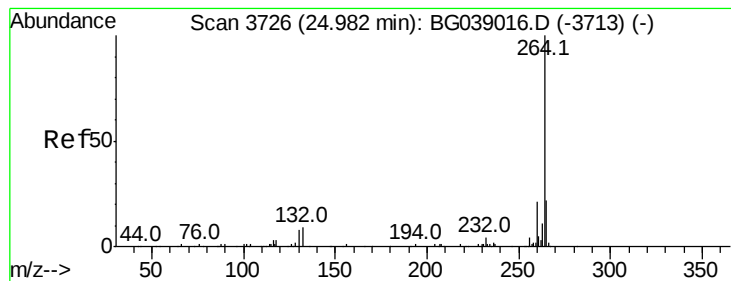
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.1 6.1 9.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3725

Delta R.T. -0.01 min

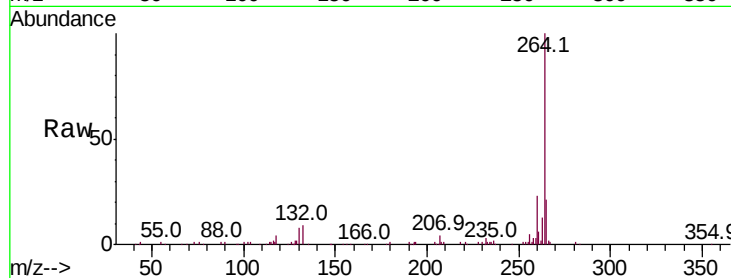
Lab File: BG039066.D

Acq: 10 Jan 2019 23:54

Instrument :

BNA_G

ClientSampleId :



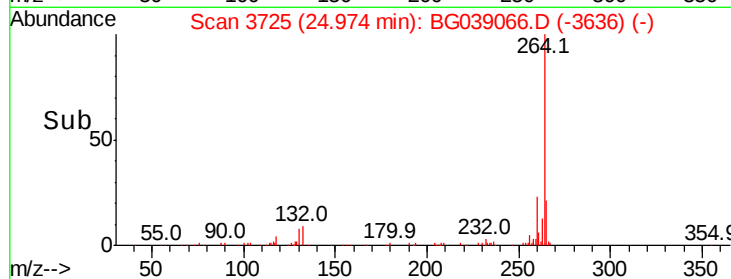
Tot Ion:264 Resp: 185121

Ion Ratio Lower Upper

264 100

260 22.8 17.0 25.6

265 21.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

80000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

