

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011619\
 Data File : BG039161.D
 Acq On : 16 Jan 2019 17:39
 Operator : JU/SJ
 Sample : K1015-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 18:16:02 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 16 14:03:14 2019
 Response via : Initial Calibration

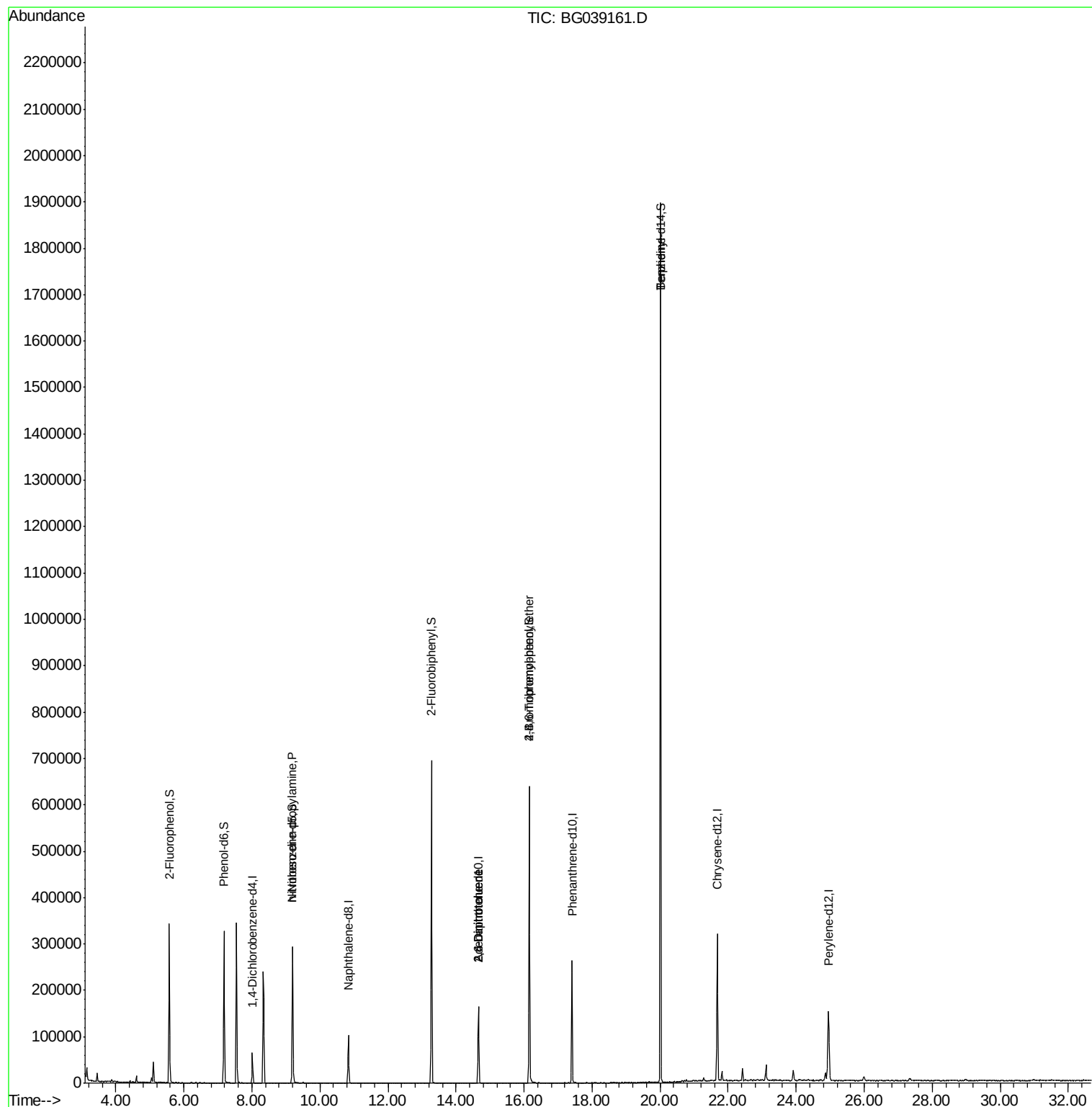
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	19868	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	90964	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	66510	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	177146	20.00	ng	0.00
76) Chrysene-d12	21.68	240	199492	20.00	ng	-0.01
87) Perylene-d12	24.95	264	192318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	151764	144.90	ng	0.00
7) Phenol-d6	7.18	99	190049	126.09	ng	0.00
23) Nitrobenzene-d5	9.19	82	186537	112.21	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	146026	130.98	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	387004	79.63	ng	0.00
79) Terphenyl-d14	20.01	244	947547	87.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	23845	24.091	ng	# 65
51) 2,6-Dinitrotoluene	14.65	165	8158	6.492	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	8158	4.525	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	9156	4.021	ng	# 1
77) Benzidine	20.01	184	15773	2.585	ng	# 95

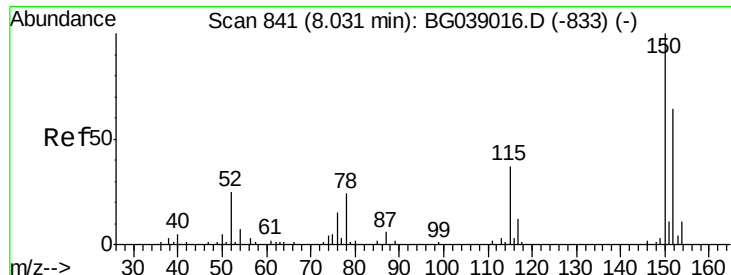
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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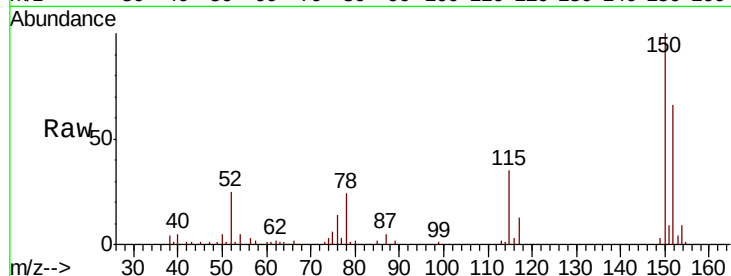


#1

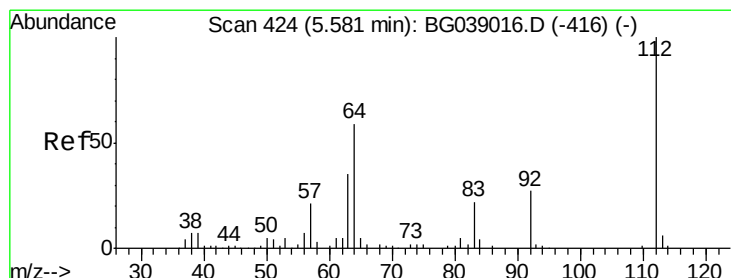
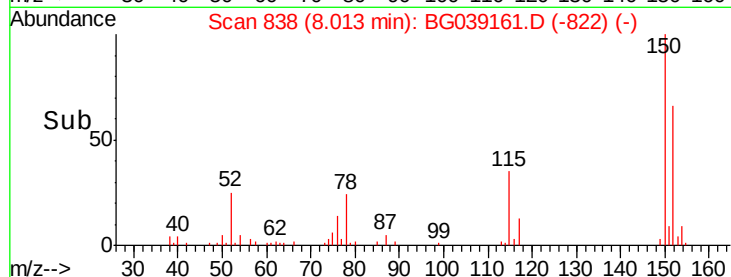
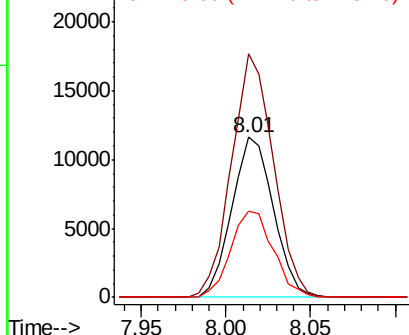
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039161.D
Acq: 16 Jan 2019 17:39

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 19868
Ion Ratio Lower Upper
152 100
150 152.3 124.7 187.1
115 53.9 46.5 69.7



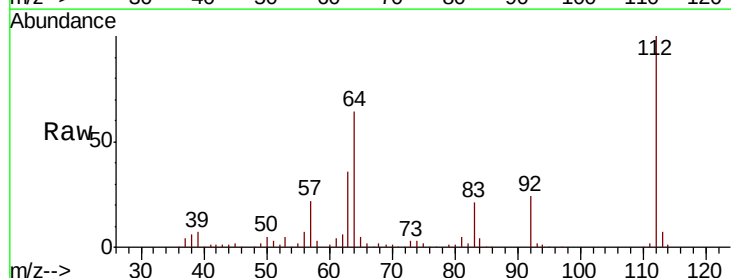
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



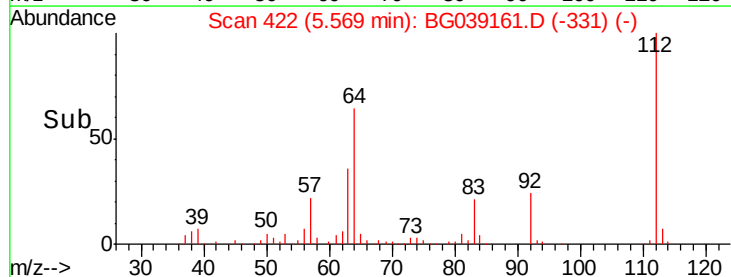
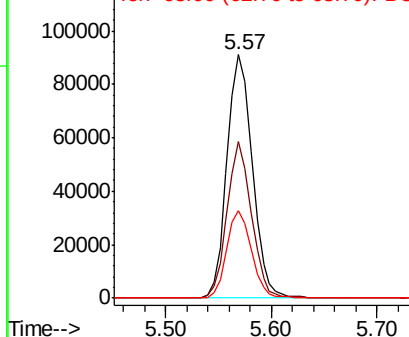
#5

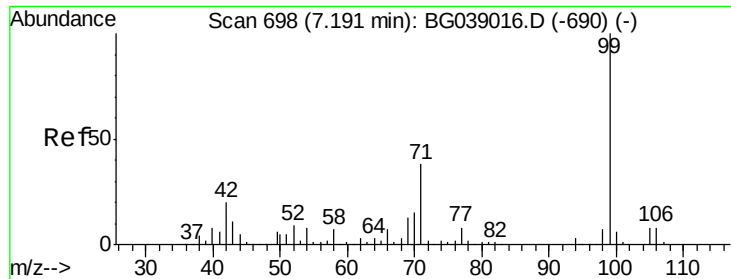
2-Fluorophenol
Concen: 144.903 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039161.D
Acq: 16 Jan 2019 17:39

Tgt Ion:112 Resp: 151764
Ion Ratio Lower Upper
112 100
64 64.3 47.0 70.6
63 35.8 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: 126.088 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

Instrument :

BNA_G

ClientSampled :

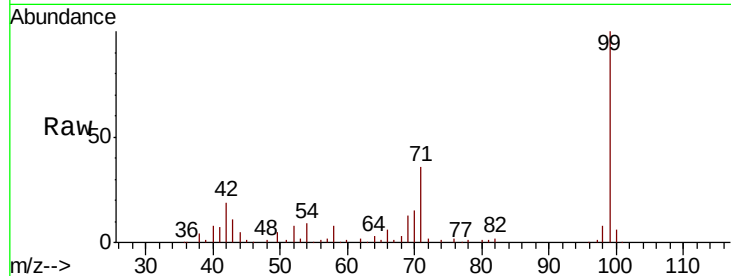
Tot Ion: 99 Resp: 190049

Ion Ratio Lower Upper

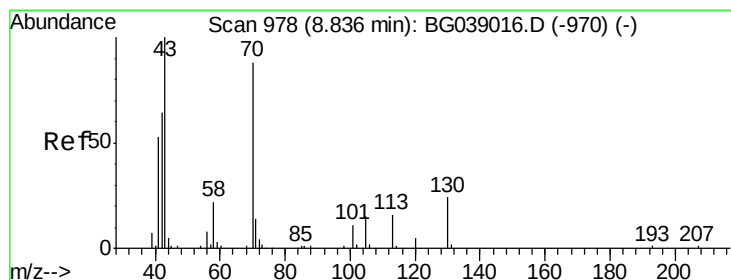
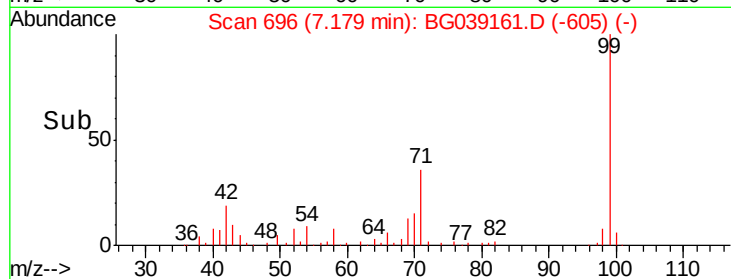
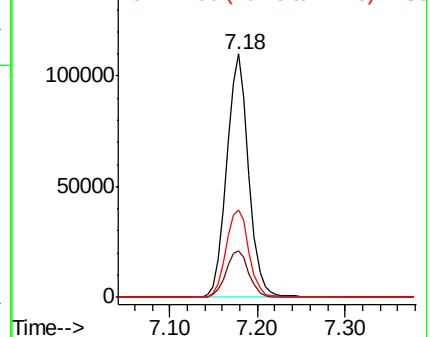
99 100

42 19.3 15.8 23.6

71 35.9 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: 24.091 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

Tgt Ion: 70 Resp: 23845

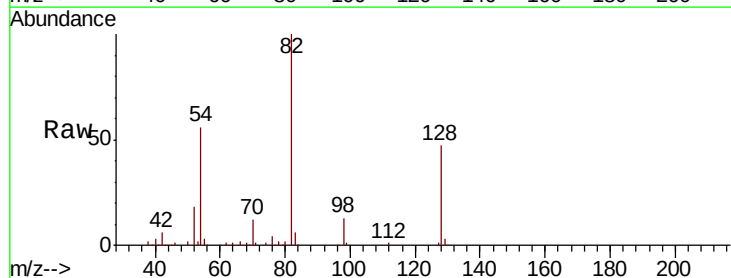
Ion Ratio Lower Upper

70 100

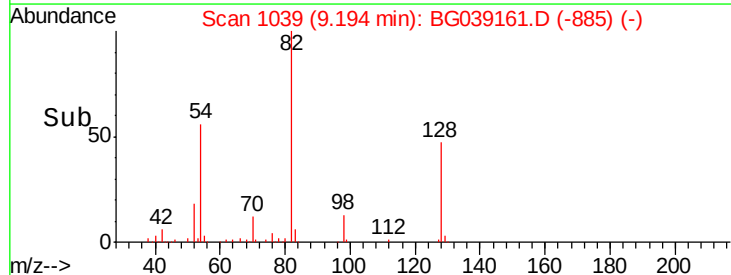
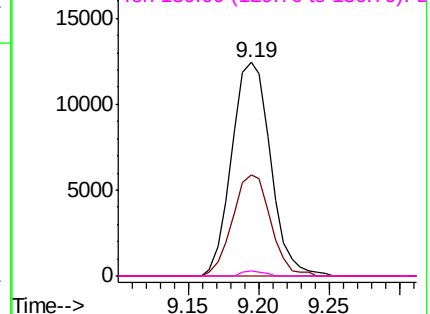
42 47.2 59.0 88.4#

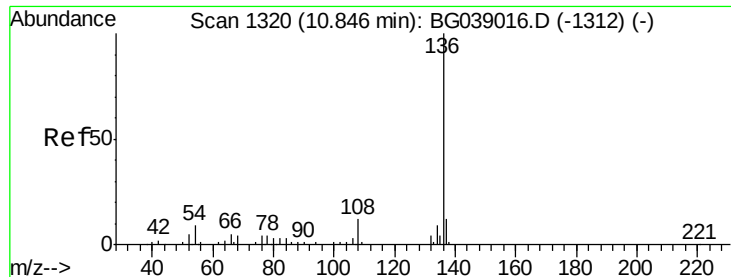
101 0.0 10.4 15.6#

130 2.6 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

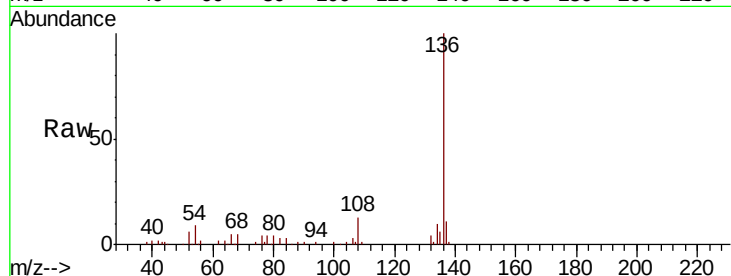




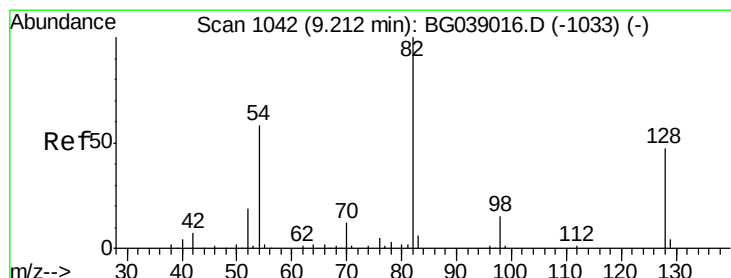
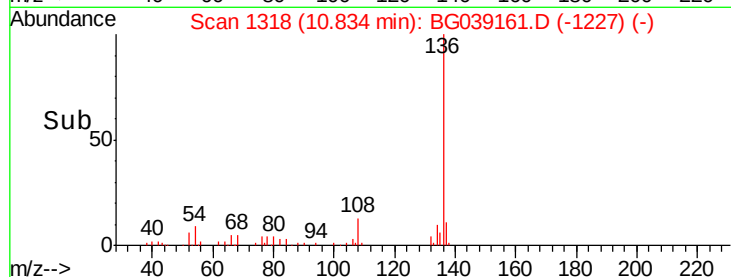
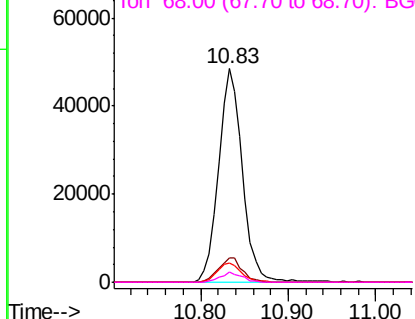
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039161.D
Acq: 16 Jan 2019 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	90964
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.4 14.2
54	9.2	7.2 10.8
68	5.0	3.5 5.3

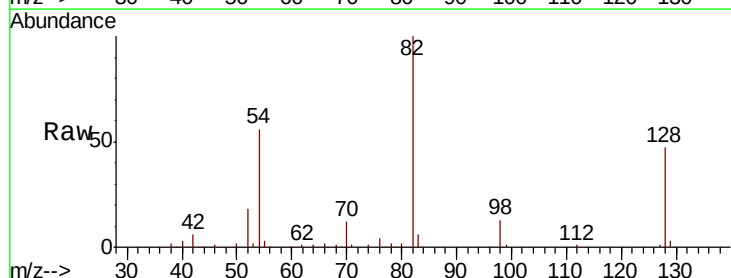


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

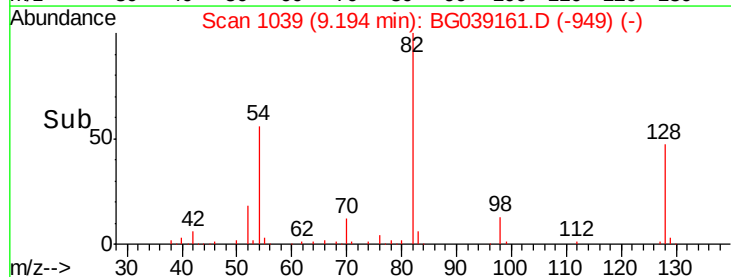
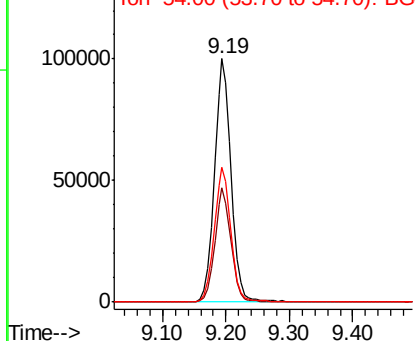


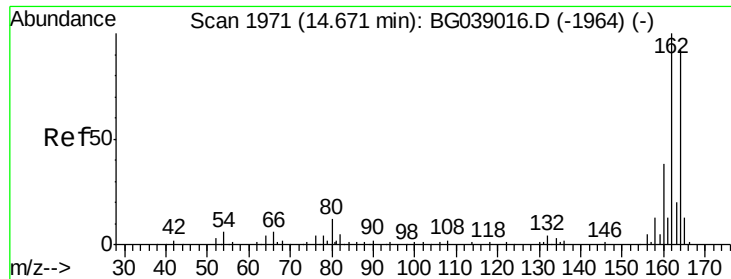
#23
Nitrobenzene-d5
Concen: 112.211 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG039161.D
Acq: 16 Jan 2019 17:39

Tgt Ion: 82	Resp:	186537
Ion Ratio	Lower	Upper
82	100	
128	46.7	37.3 55.9
54	55.6	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# 1969

Delta R.T. -0.00 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

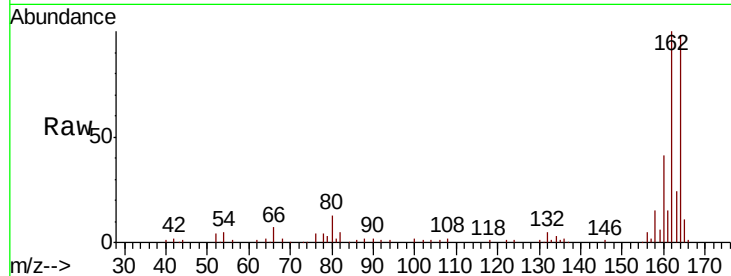
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 66510

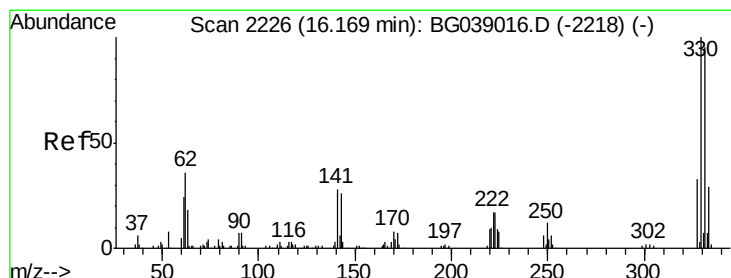
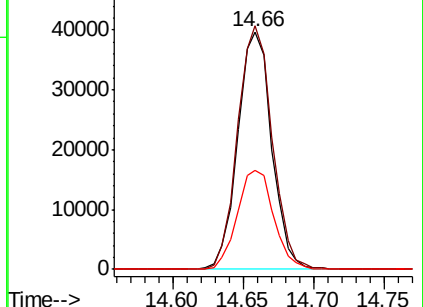
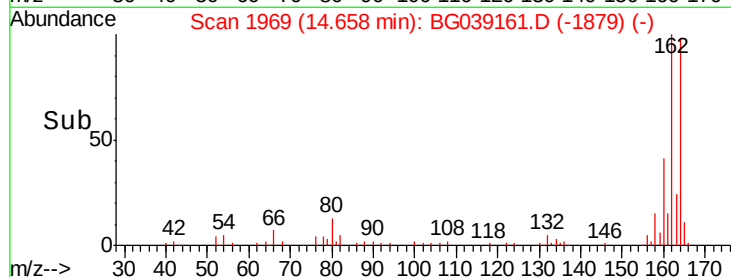
Ion	Ratio	Lower	Upper
164	100		
162	102.5	87.2	130.8
160	41.6	33.3	49.9



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: 130.978 ng

RT: 16.15 min Scan# 2223

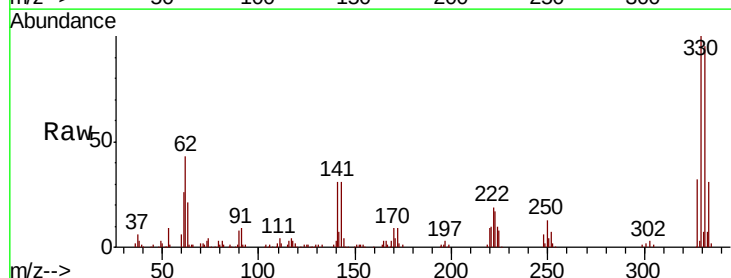
Delta R.T. -0.00 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

Tgt Ion:330 Resp: 146026

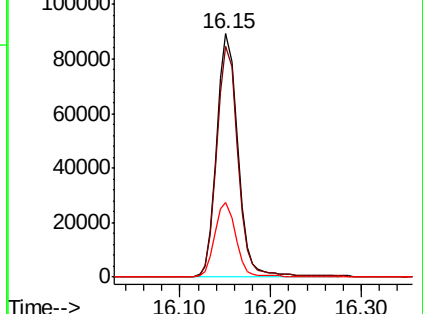
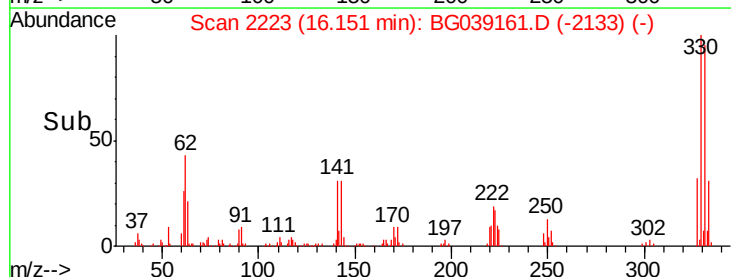
Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.7	113.5
141	30.8	24.9	37.3

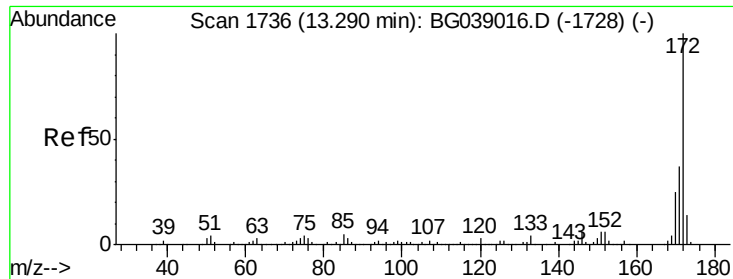


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

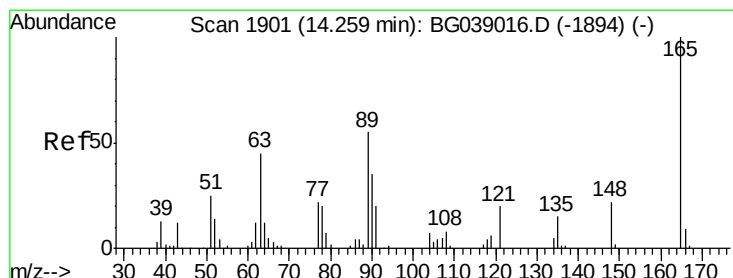
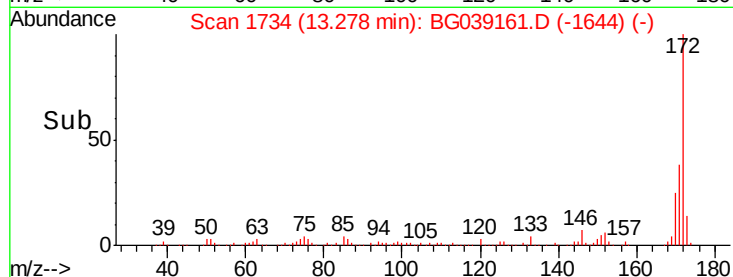
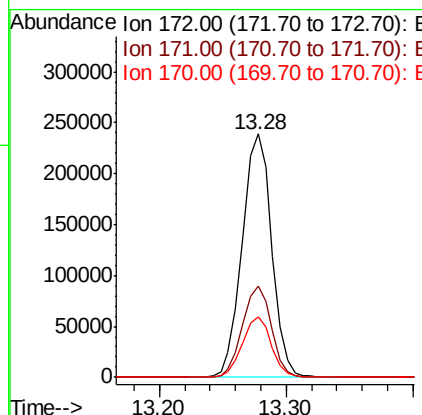
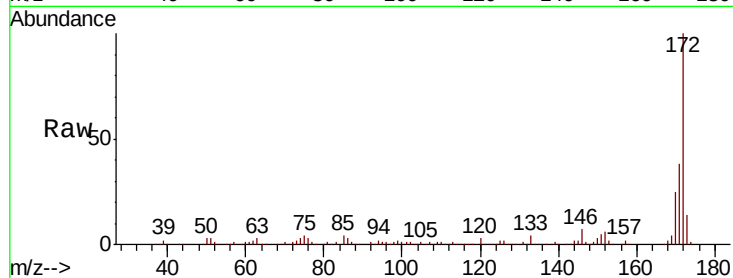




#45
 2-Fluorobiphenyl
 Concen: 79.633 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG039161.D
 Acq: 16 Jan 2019 17:39

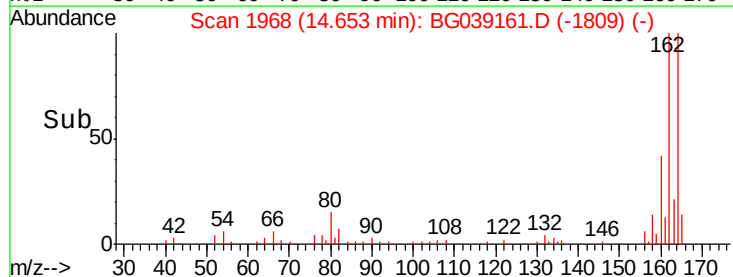
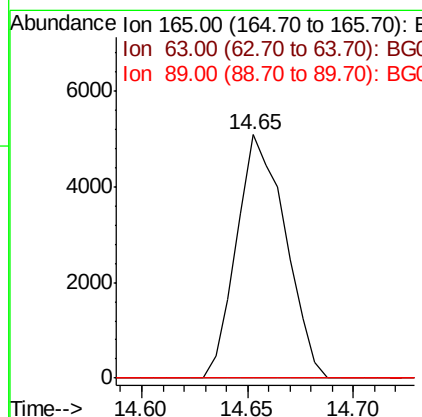
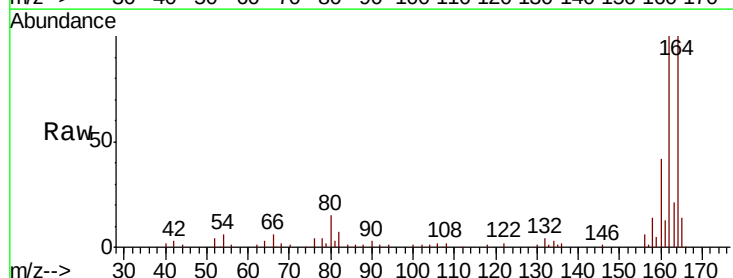
Instrument :
 BNA_G
 ClientSampleId :

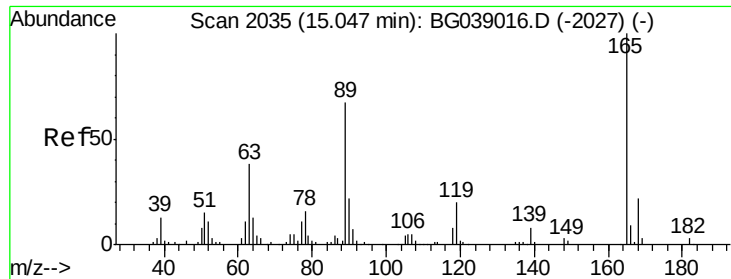
Tot Ion:172 Resp: 387004
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.4 44.0
 170 24.9 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.492 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.41 min
 Lab File: BG039161.D
 Acq: 16 Jan 2019 17:39

Tgt Ion:165 Resp: 8158
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

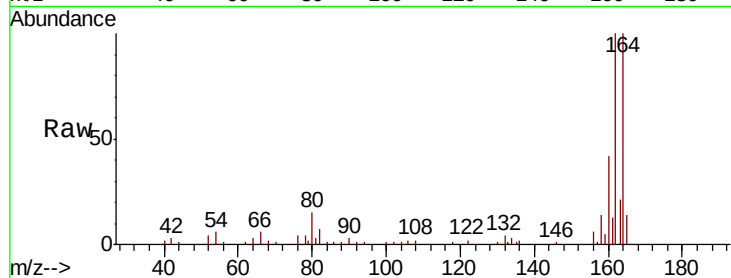




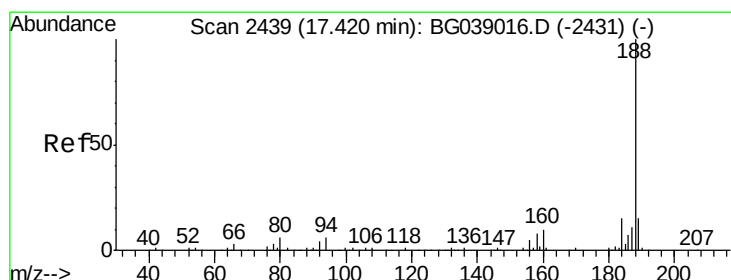
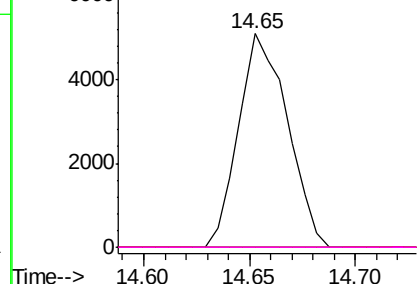
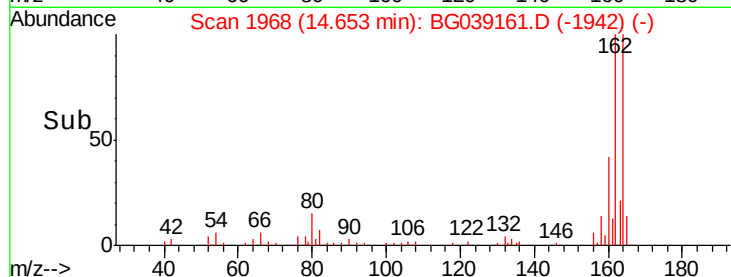
#57
 2,4-Dinitrotoluene
 Concen: 4.525 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG039161.D
 Acq: 16 Jan 2019 17:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8158
 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#

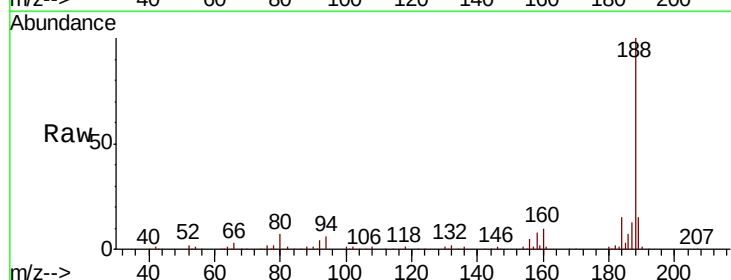


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

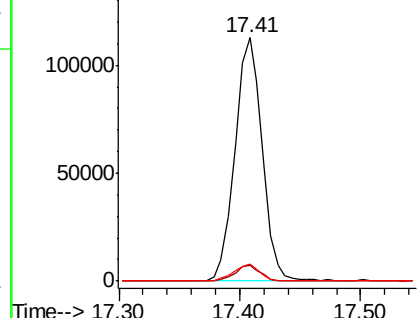
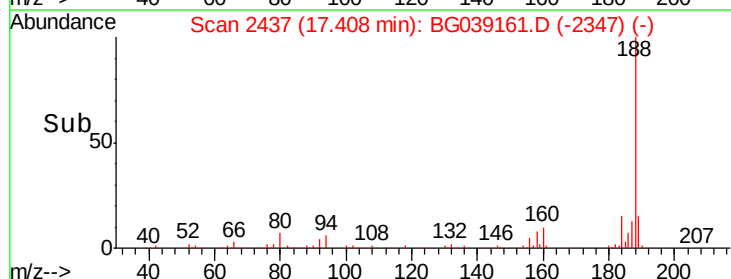


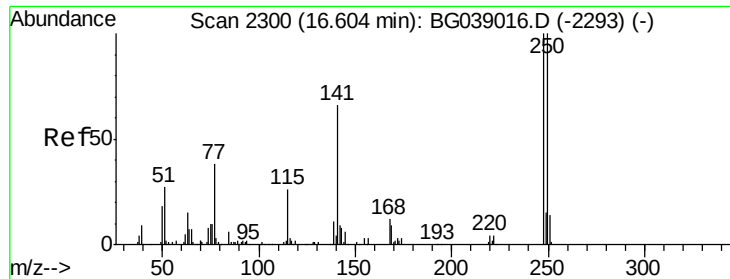
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: BG039161.D
 Acq: 16 Jan 2019 17:39

Tgt Ion:188 Resp: 177146
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.0 7.4
 80 7.1 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: 4.021 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

Instrument :

BNA_G

ClientSampleId :

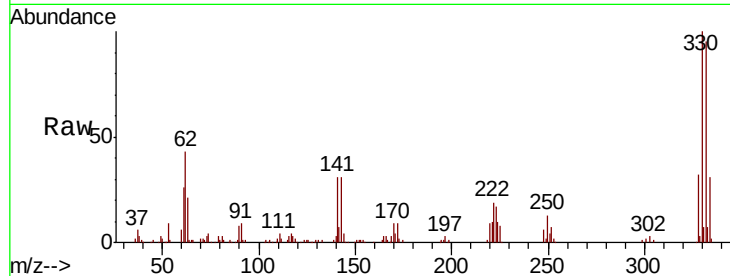
Tot Ion:248 Resp: 9156

Ion Ratio Lower Upper

248 100

250 190.9 79.9 119.9#

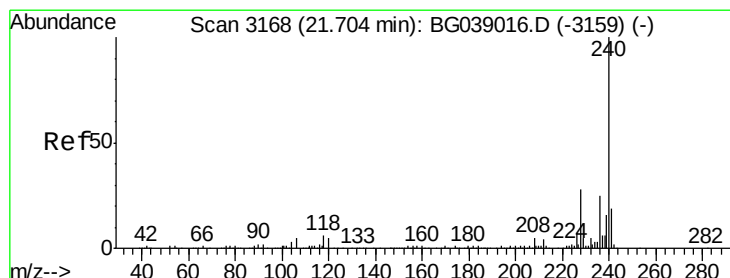
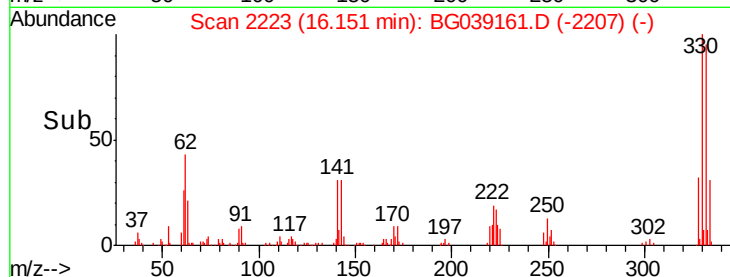
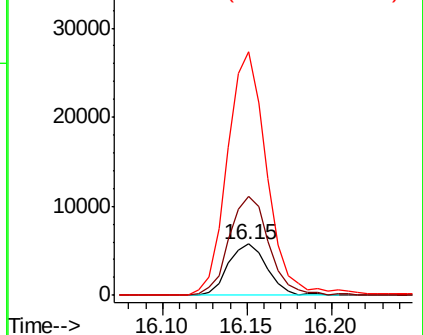
141 357.8 52.7 79.1#



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: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

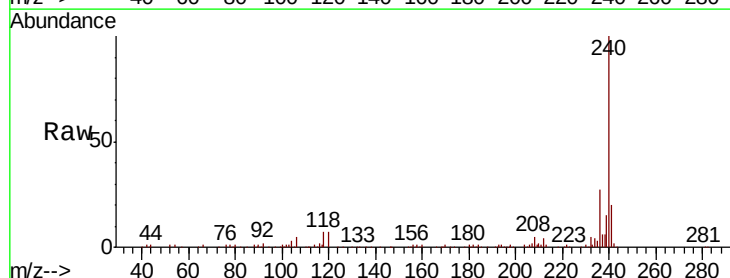
Tgt Ion:240 Resp: 199492

Ion Ratio Lower Upper

240 100

120 7.2 4.3 6.5#

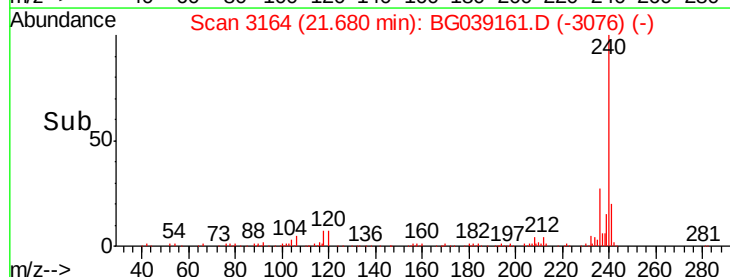
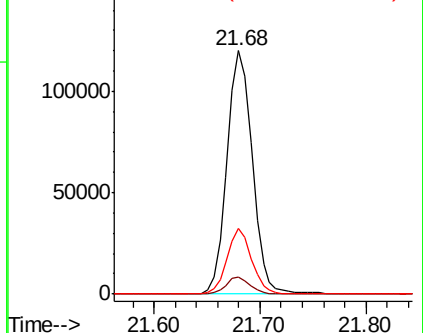
236 27.0 20.1 30.1

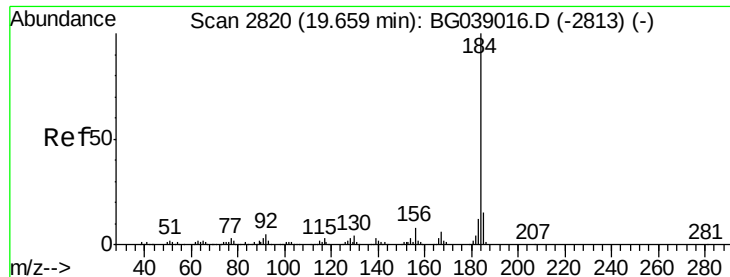


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.585 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.36 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

Instrument :

BNA_G

ClientSampleId :

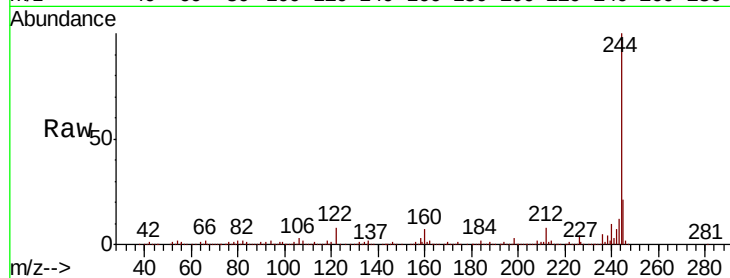
Tot Ion:184 Resp: 15773

Ion Ratio Lower Upper

184 100

185 16.8 12.1 18.1

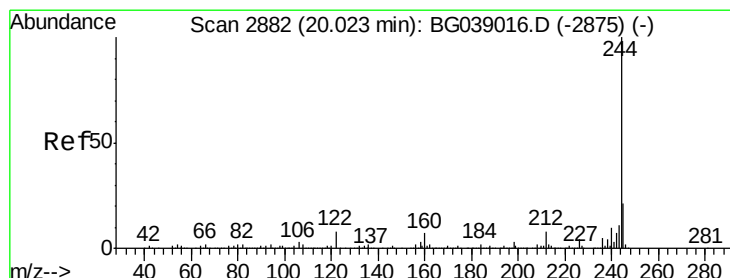
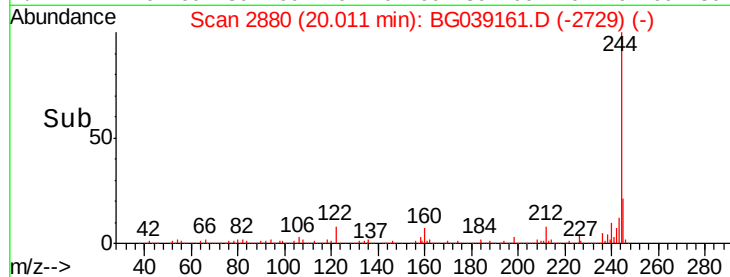
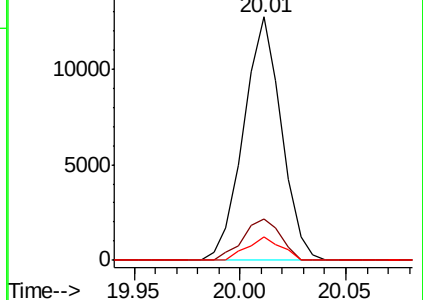
183 9.5 9.5 14.3#



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: 87.866 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG039161.D

Acq: 16 Jan 2019 17:39

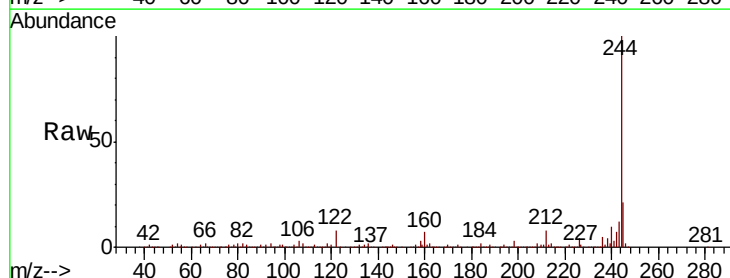
Tgt Ion:244 Resp: 947547

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

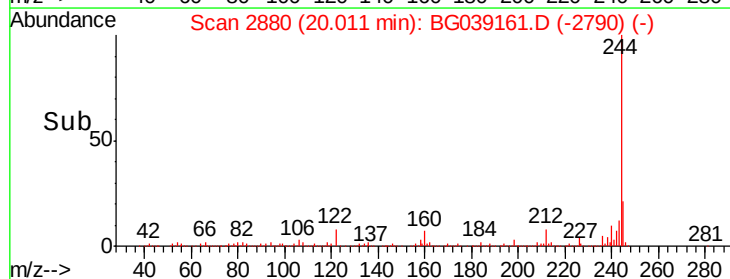
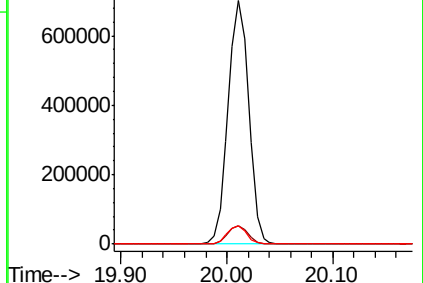
122 7.8 6.1 9.1

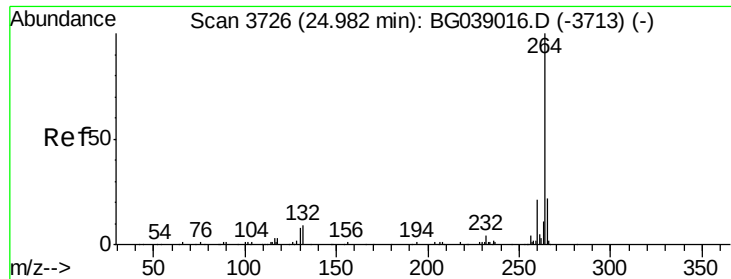


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

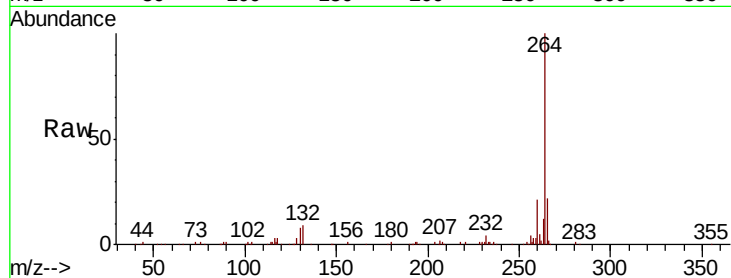




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3721
Delta R.T. -0.00 min
Lab File: BG039161.D
Acq: 16 Jan 2019 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.0	25.6
265	21.7	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

