

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039641.D
 Acq On : 27 Feb 2019 19:16
 Operator : JU/SJ
 Sample : K1605-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 N48966

Quant Time: Feb 27 23:58:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	53228	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	222979	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	149572	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	369050	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	382642	20.00	ng	-0.03
87) Perylene-d12	25.20	264	381443	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	213581	68.68	ng	0.00
7) Phenol-d6	7.31	99	191766	41.89	ng	-0.01
23) Nitrobenzene-d5	9.35	82	406931	114.01	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	273291	169.68	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	976371	93.64	ng	-0.02
79) Terphenyl-d14	20.13	244	1519368	84.05	ng	-0.02

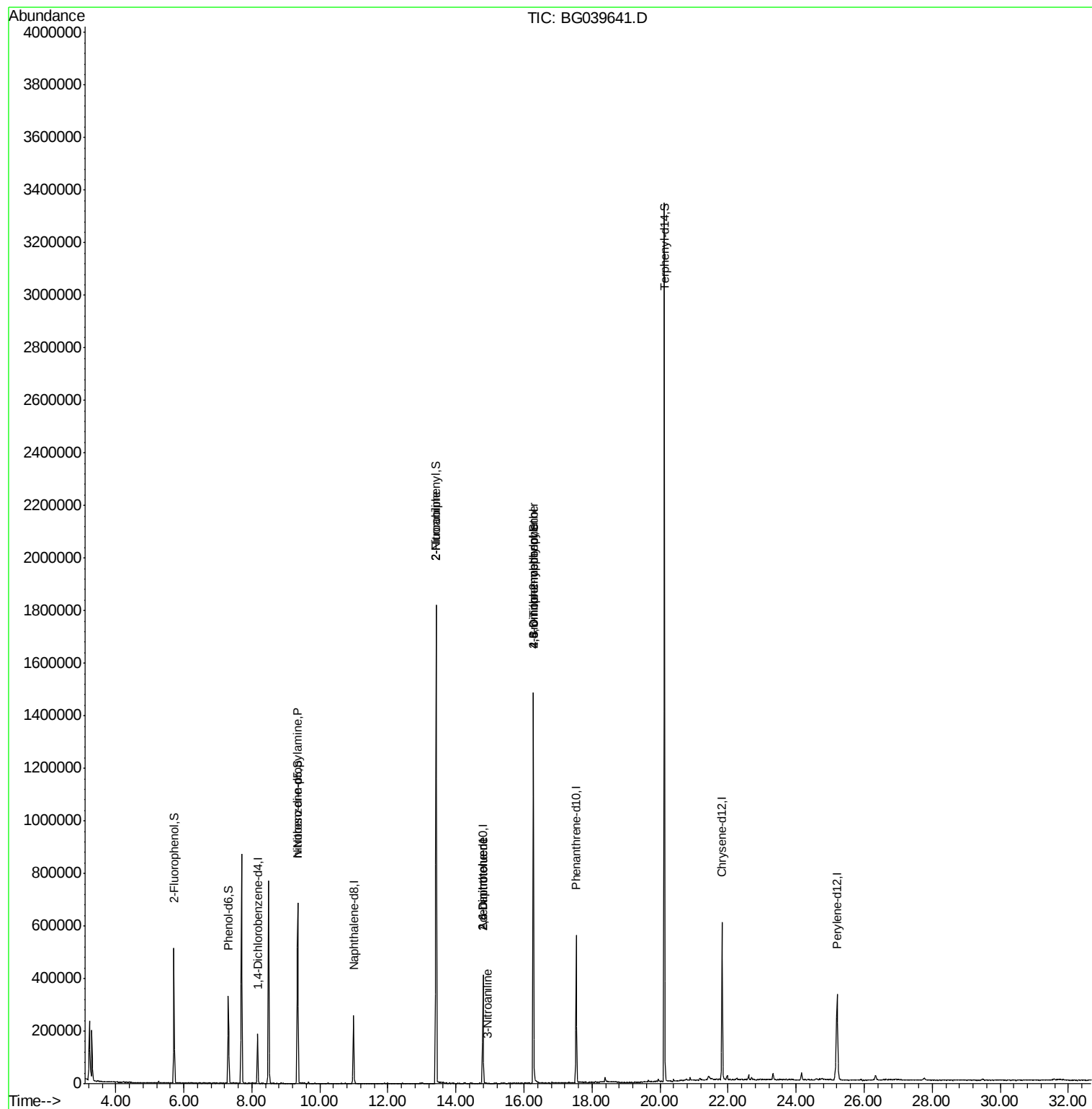
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.33	77	425	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	52732	16.229	ng	# 66
48) 2-Nitroaniline	13.41	65	1593	8.786	ng	# 21
51) 2,6-Dinitrotoluene	14.79	165	19196	13.900	ng	# 24
53) 3-Nitroaniline	14.92	138	80	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19196	13.381	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	953	5.003	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	21402	5.227	ng	# 1

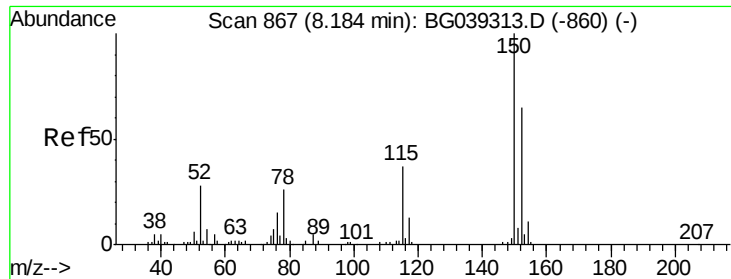
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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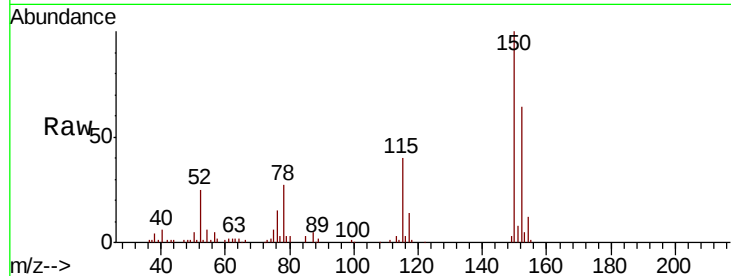


#1

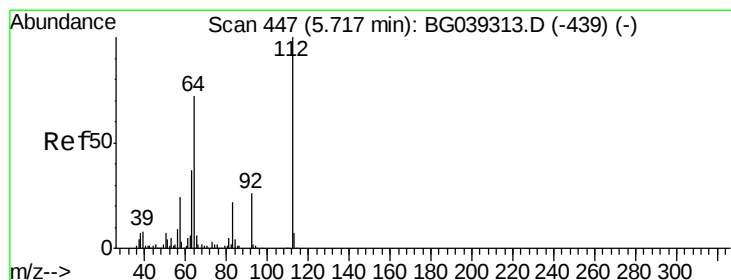
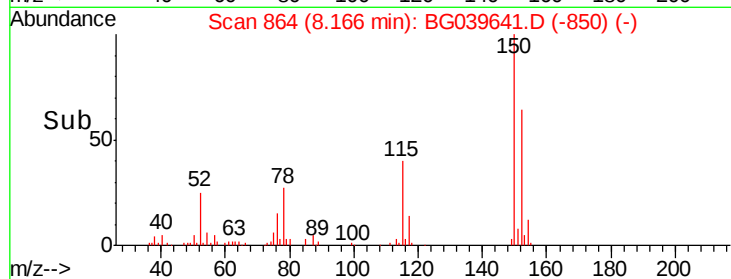
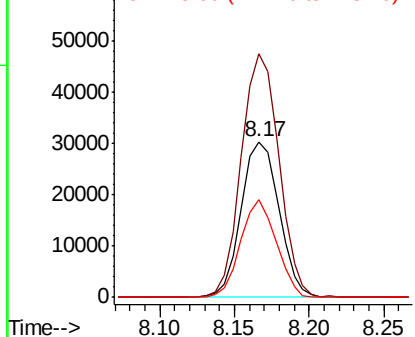
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039641.D
Acq: 27 Feb 2019 19:16

Instrument :
BNA_G
ClientSampleId :
N48966

Tgt Ion:152 Resp: 53228
Ion Ratio Lower Upper
152 100
150 156.3 123.7 185.5
115 62.3 45.9 68.9



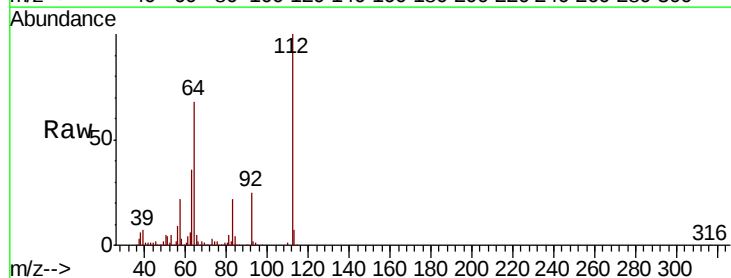
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



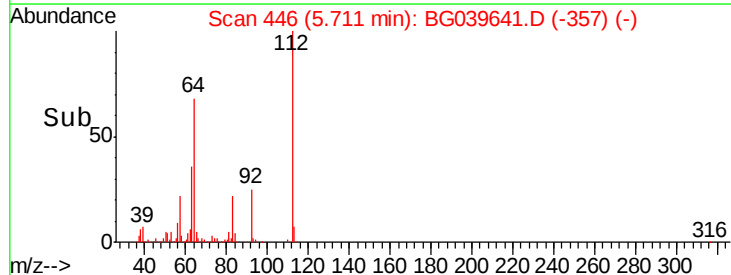
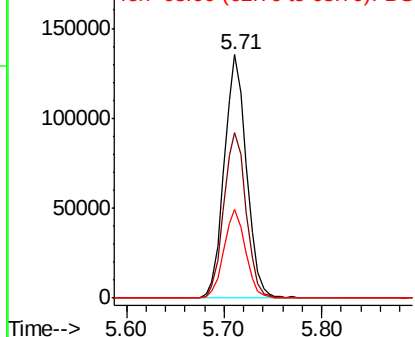
#5

2-Fluorophenol
Concen: 68.675 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039641.D
Acq: 27 Feb 2019 19:16

Tgt Ion:112 Resp: 213581
Ion Ratio Lower Upper
112 100
64 68.0 57.8 86.8
63 36.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 41.890 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

Instrument :

BNA_G

ClientSampleId :

N48966

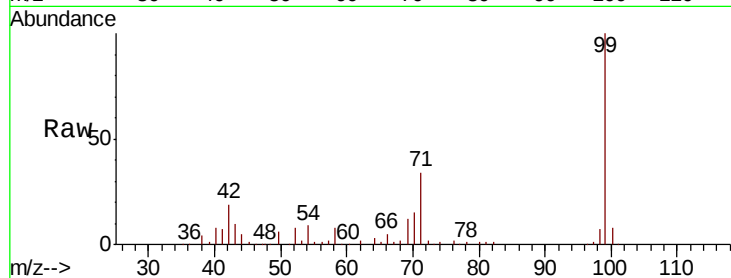
Tgt Ion: 99 Resp: 191766

Ion Ratio Lower Upper

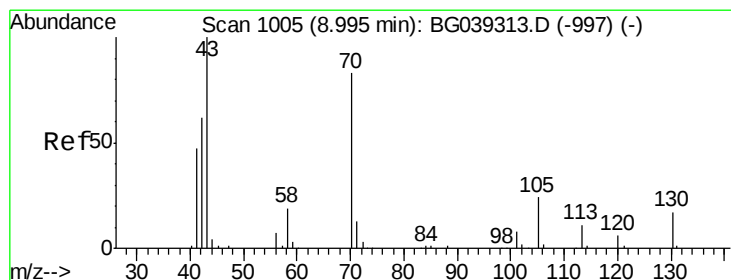
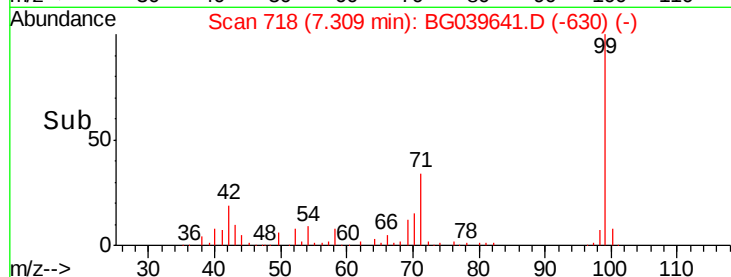
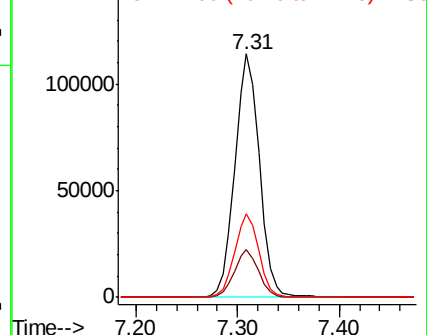
99 100

42 19.4 18.2 27.2

71 34.3 28.0 42.0



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: 16.229 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

Tgt Ion: 70 Resp: 52732

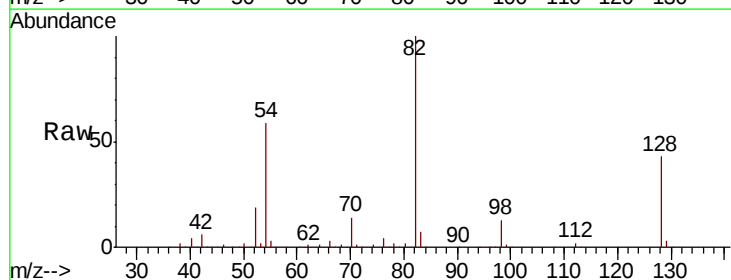
Ion Ratio Lower Upper

70 100

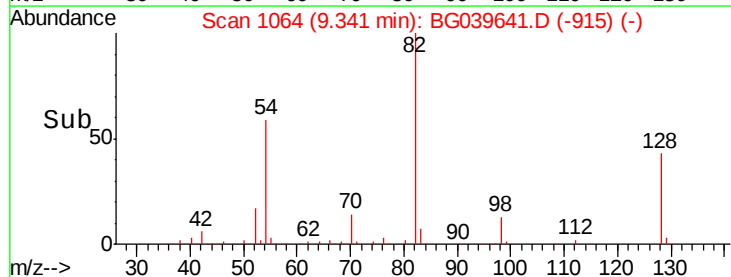
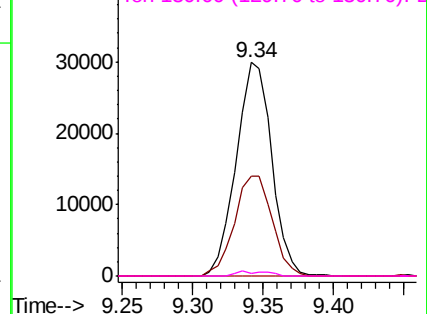
42 47.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.5 16.9 25.3#



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

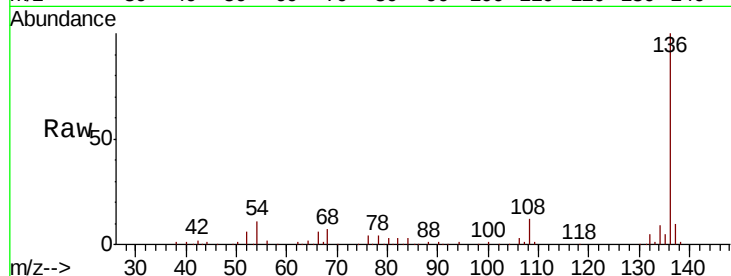




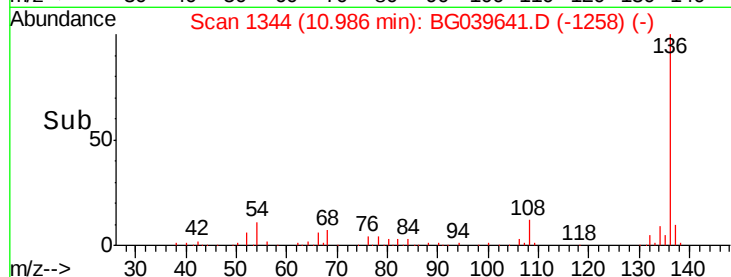
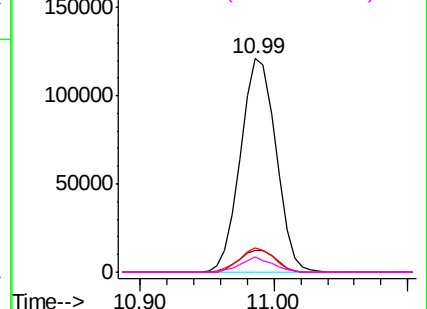
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039641.D
Acq: 27 Feb 2019 19:16

Instrument :
BNA_G
ClientSampleId :
N48966

Tgt Ion:	136	Resp:	222979
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	11.4	9.4	14.2
68	7.1	4.2	6.4#

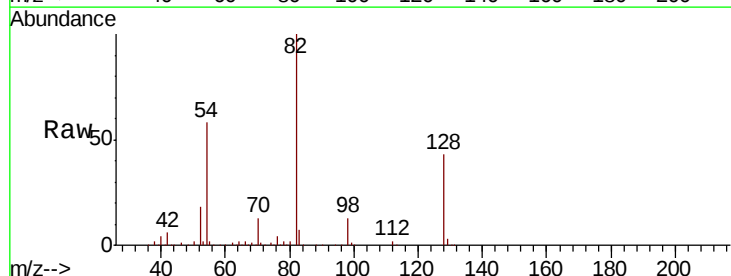


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

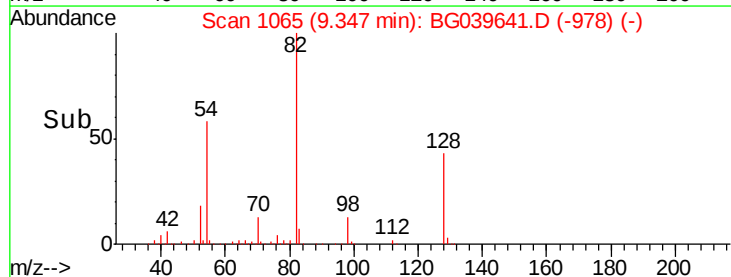
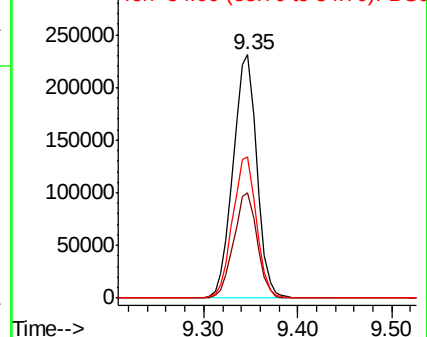


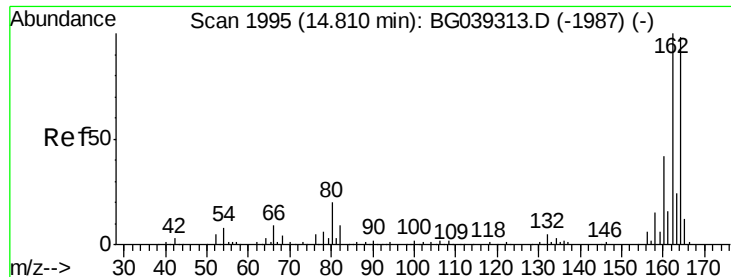
#23
Nitrobenzene-d5
Concen: 114.009 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039641.D
Acq: 27 Feb 2019 19:16

Tgt Ion:	82	Resp:	406931
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.3	46.9
54	58.2	50.9	76.3



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: 14.79 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

Instrument :

BNA_G

ClientSampleId :

N48966

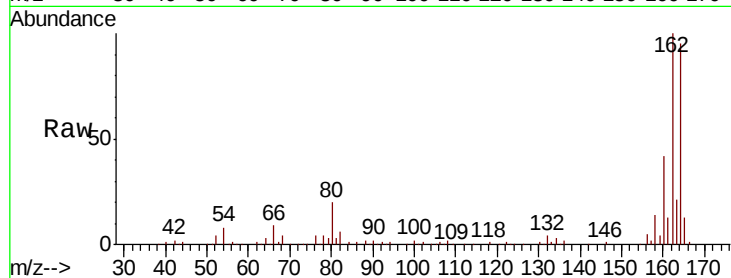
Tgt Ion:164 Resp: 149572

Ion Ratio Lower Upper

164 100

162 104.8 81.6 122.4

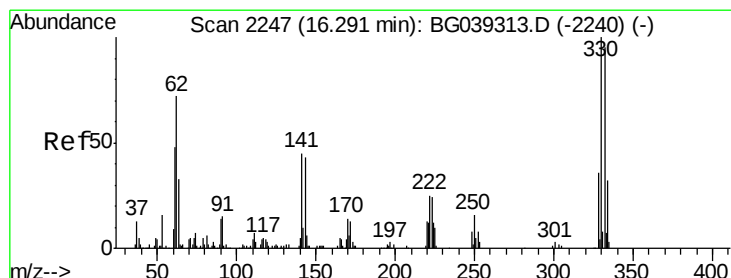
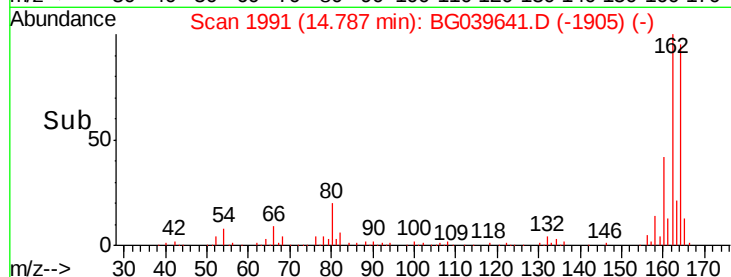
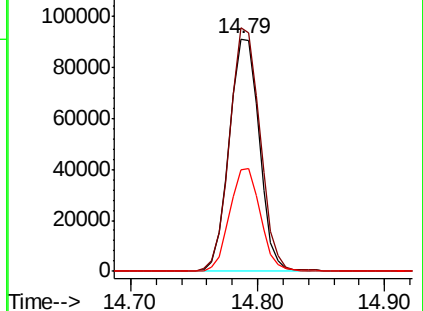
160 43.7 34.2 51.2



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: 169.679 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

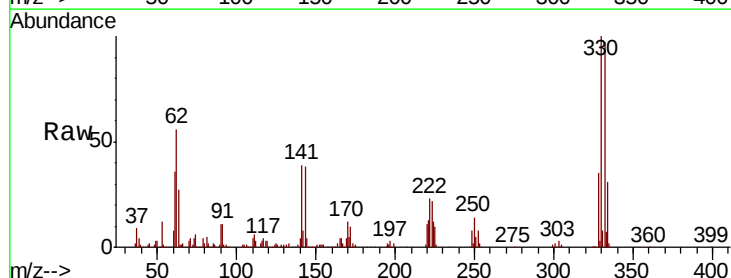
Tgt Ion:330 Resp: 273291

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

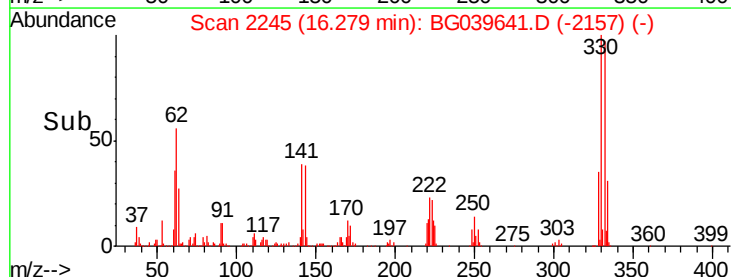
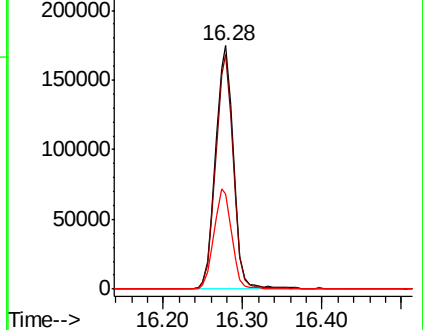
141 40.8 35.6 53.4



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

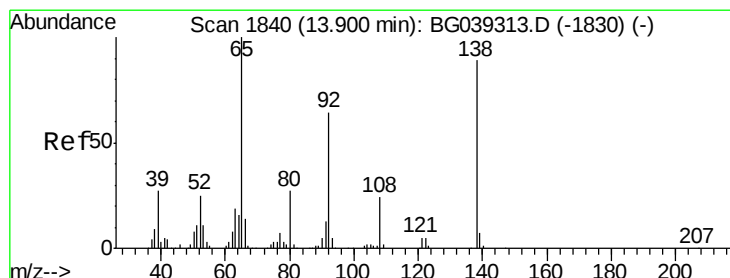
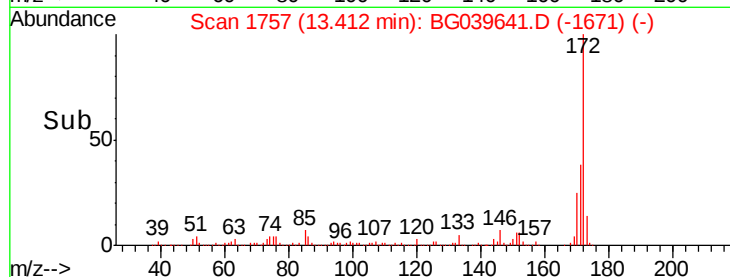
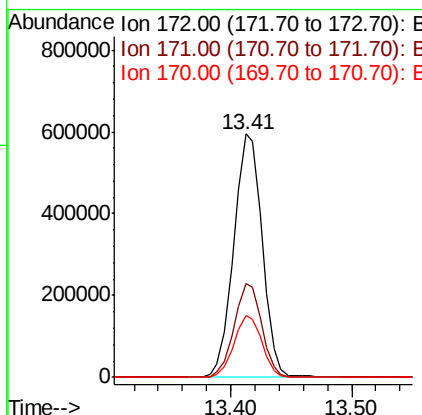
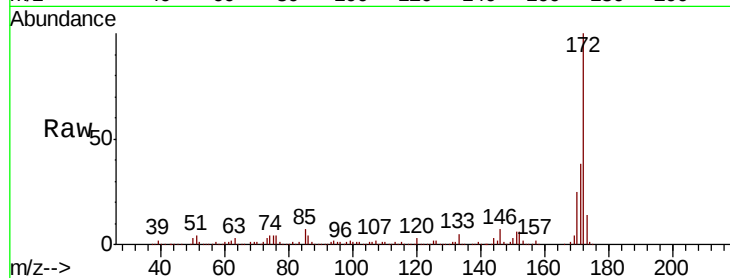




#45
 2-Fluorobiphenyl
 Concen: 93.644 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

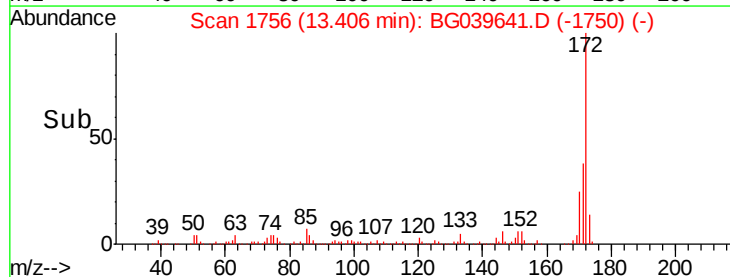
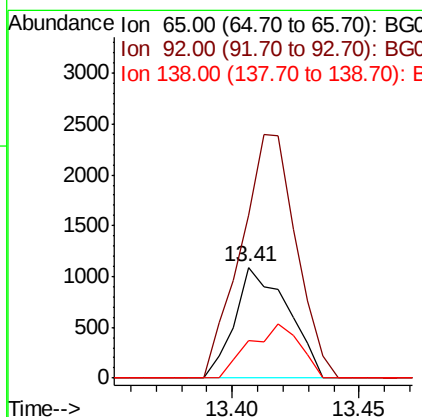
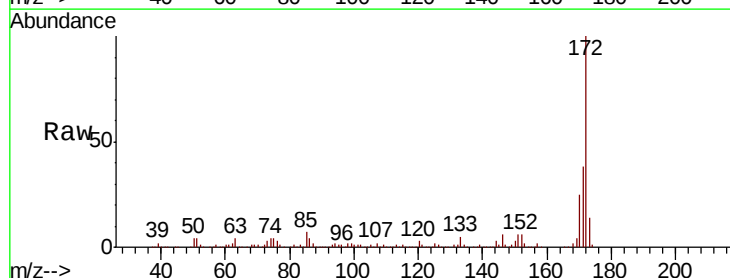
Instrument :
 BNA_G
 ClientSampleId :
 N48966

Tgt Ion:	172	Resp:	976371
Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	25.4	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.786 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.49 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

Tgt Ion:	65	Resp:	1593
Ion	Ratio	Lower	Upper
65	100		
92	147.8	51.4	77.2#
138	34.3	71.4	107.2#

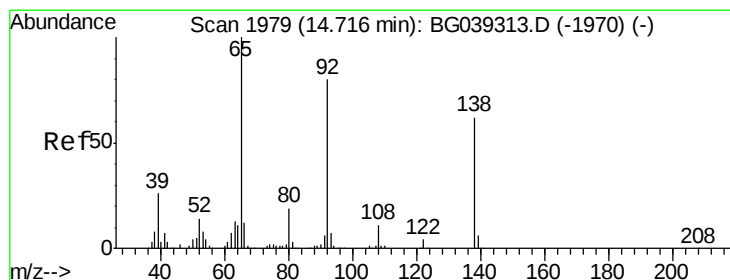
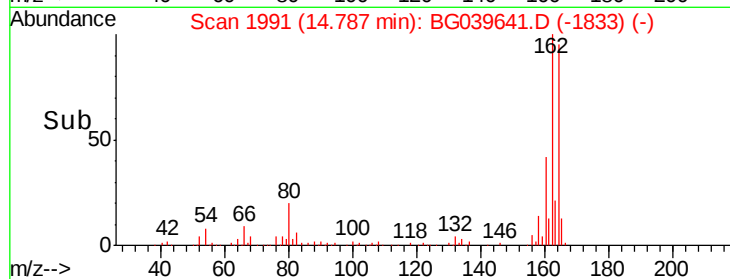
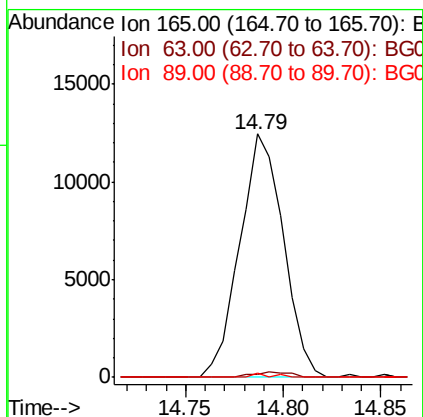
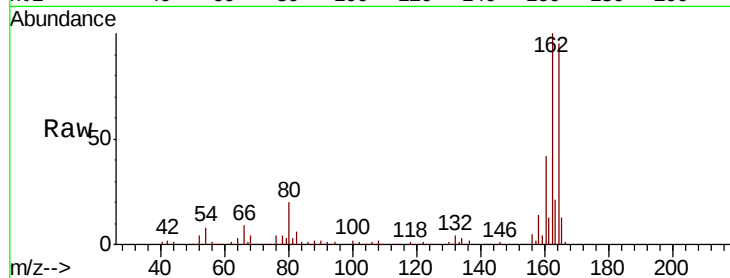




#51
 2,6-Dinitrotoluene
 Concen: 13.900 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.40 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

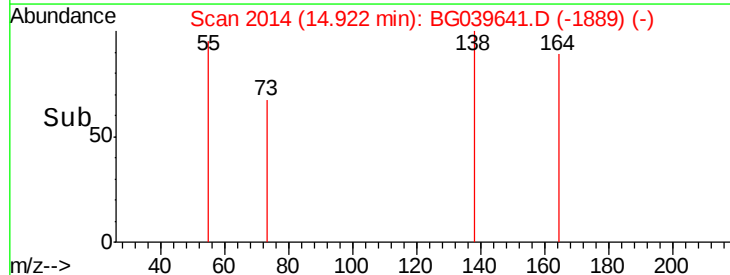
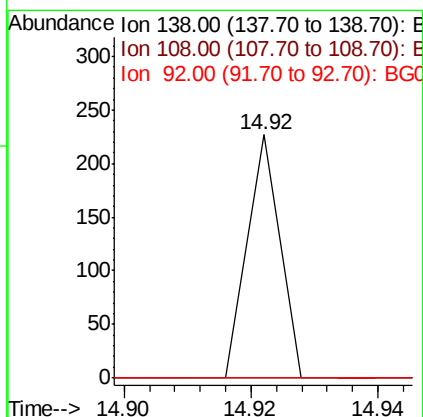
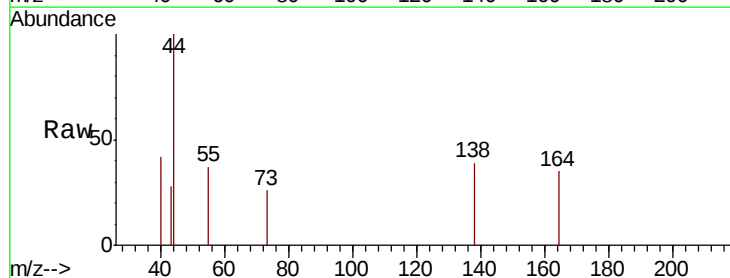
Instrument :
 BNA_G
 ClientSampleId :
 N48966

Tgt Ion:165 Resp: 19196
 Ion Ratio Lower Upper
 165 100
 63 1.3 47.0 70.6#
 89 1.5 45.8 68.8#



#53
 3-Nitroaniline
 Concen: 5.822 ng
 RT: 14.92 min Scan# 2014
 Delta R.T. 0.21 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

Tgt Ion:138 Resp: 80
 Ion Ratio Lower Upper
 138 100
 108 0.0 13.8 20.8#
 92 0.0 103.7 155.5#

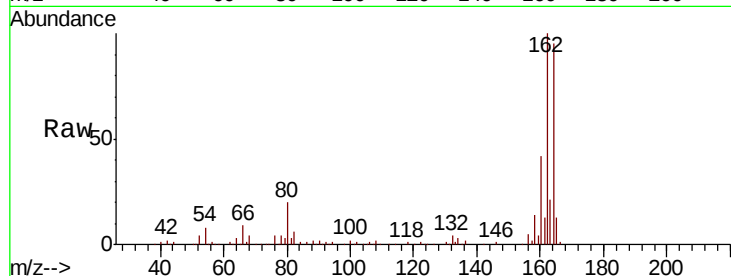




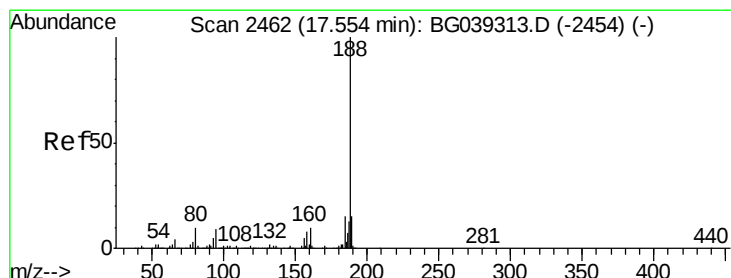
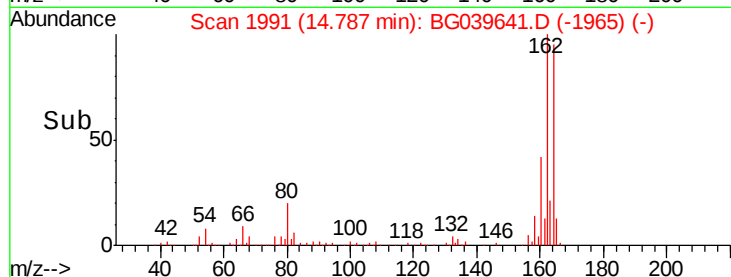
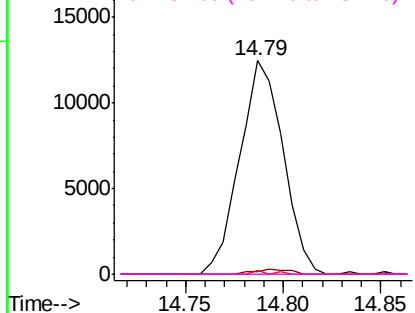
#57
 2,4-Dinitrotoluene
 Concen: 13.381 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

Instrument :
 BNA_G
 ClientSampleId :
 N48966

Tgt Ion:	165	Resp:	19196
Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#

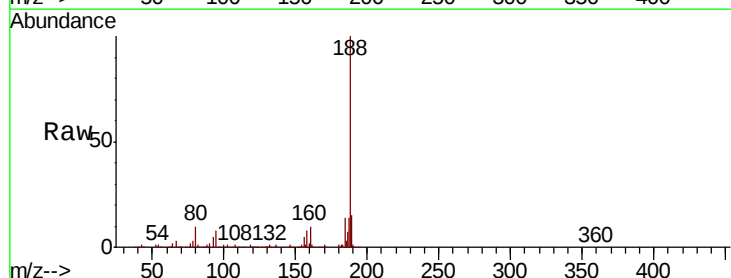


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

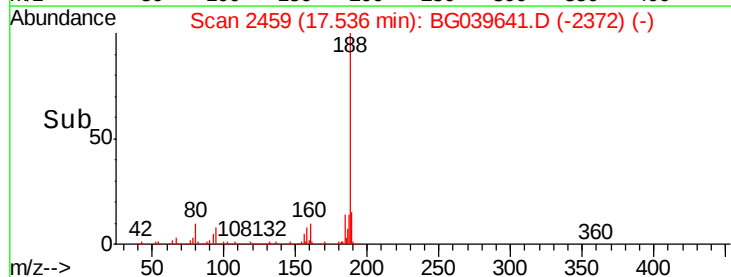
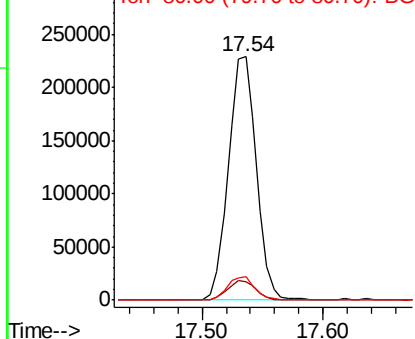


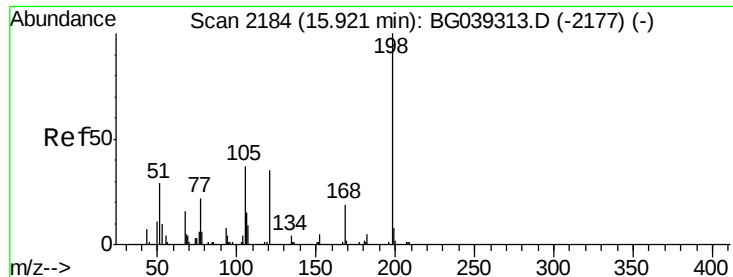
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039641.D
 Acq: 27 Feb 2019 19:16

Tgt Ion:	188	Resp:	369050
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.6	8.1	12.1



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





#65

4,6-Dinitro-2-methylphenol

Concen: 5.003 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

Instrument :

BNA_G

ClientSampleId :

N48966

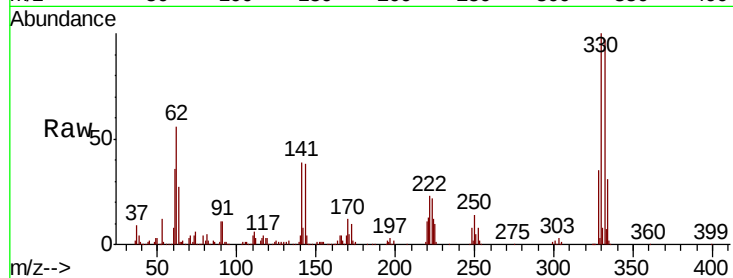
Tgt Ion:198 Resp: 953

Ion Ratio Lower Upper

198 100

51 112.3 27.4 67.4#

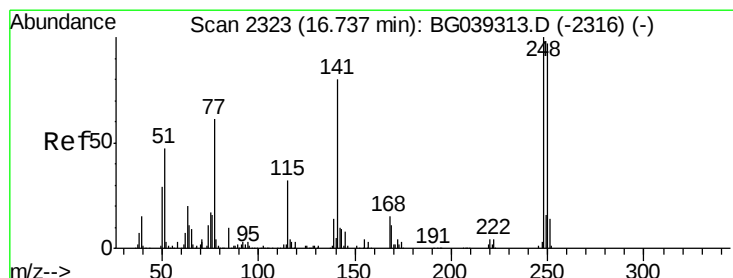
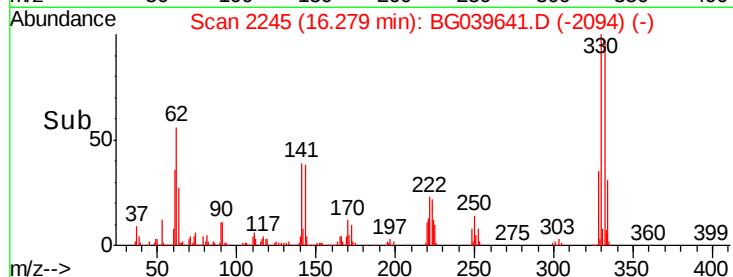
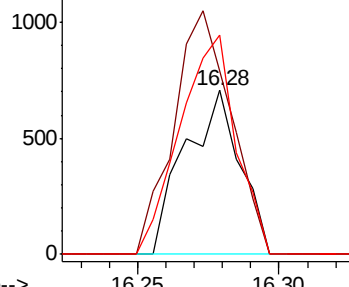
105 134.3 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.227 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.46 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

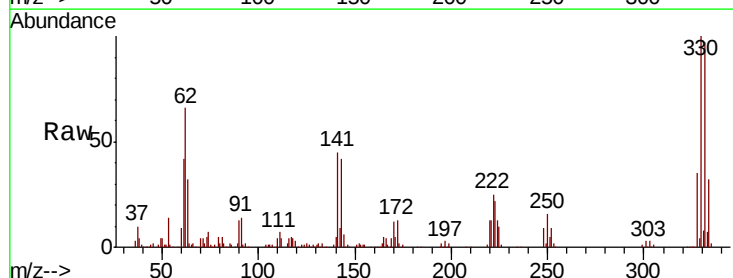
Tgt Ion:248 Resp: 21402

Ion Ratio Lower Upper

248 100

250 190.7 77.6 116.4#

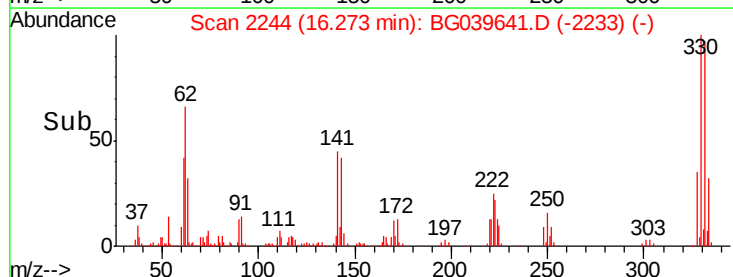
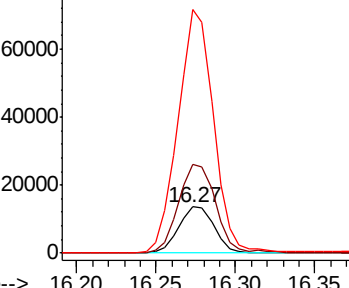
141 524.9 63.9 95.9#



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: 21.82 min Scan# 3188

Delta R.T. -0.03 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

Instrument :

BNA_G

ClientSampleId :

N48966

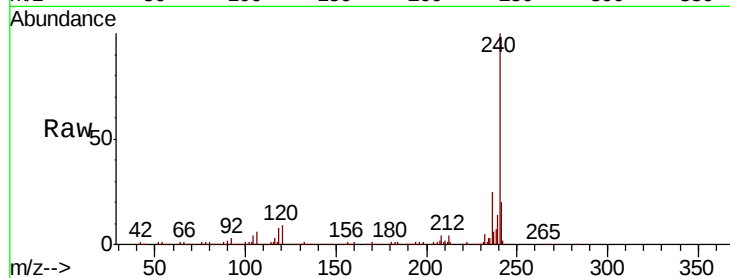
Tgt Ion:240 Resp: 382642

Ion Ratio Lower Upper

240 100

120 9.1 7.0 10.6

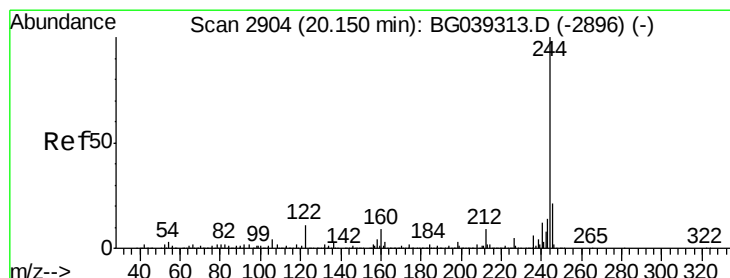
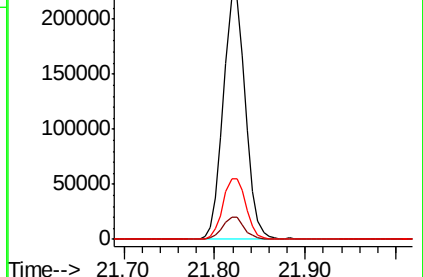
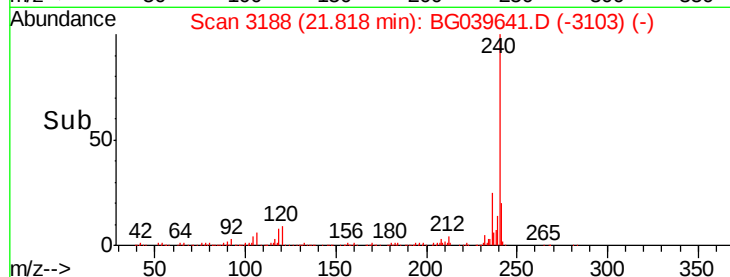
236 25.1 21.0 31.4



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



#79

Terphenyl-d14

Concen: 84.048 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039641.D

Acq: 27 Feb 2019 19:16

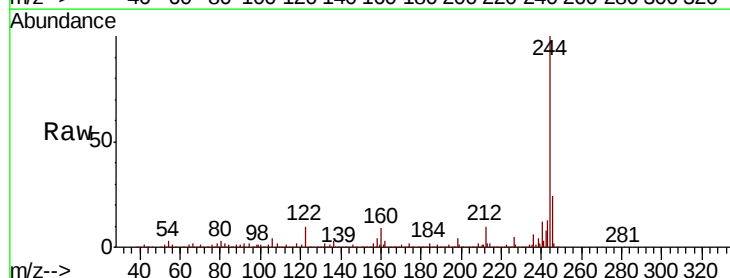
Tgt Ion:244 Resp: 1519368

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

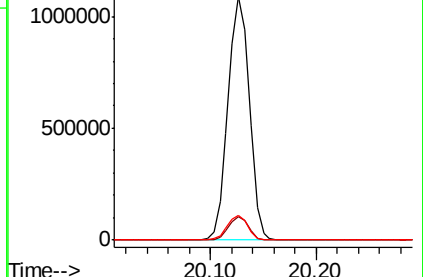
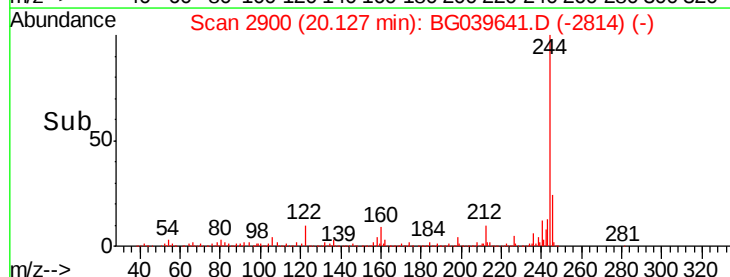
122 10.3 8.4 12.6

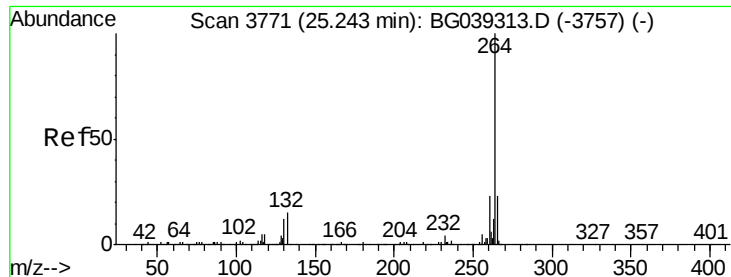


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

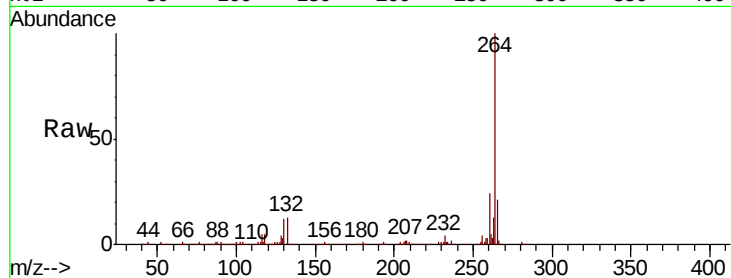




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039641.D
Acq: 27 Feb 2019 19:16

Instrument :
BNA_G
ClientSampleId :
N48966

Tgt Ion:	264	Resp:	381443
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.4	18.5	27.7



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

