

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013019\
 Data File : BG039329.D
 Acq On : 30 Jan 2019 15:53
 Operator : JU/SJ
 Sample : PB116707BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 17:19:39 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

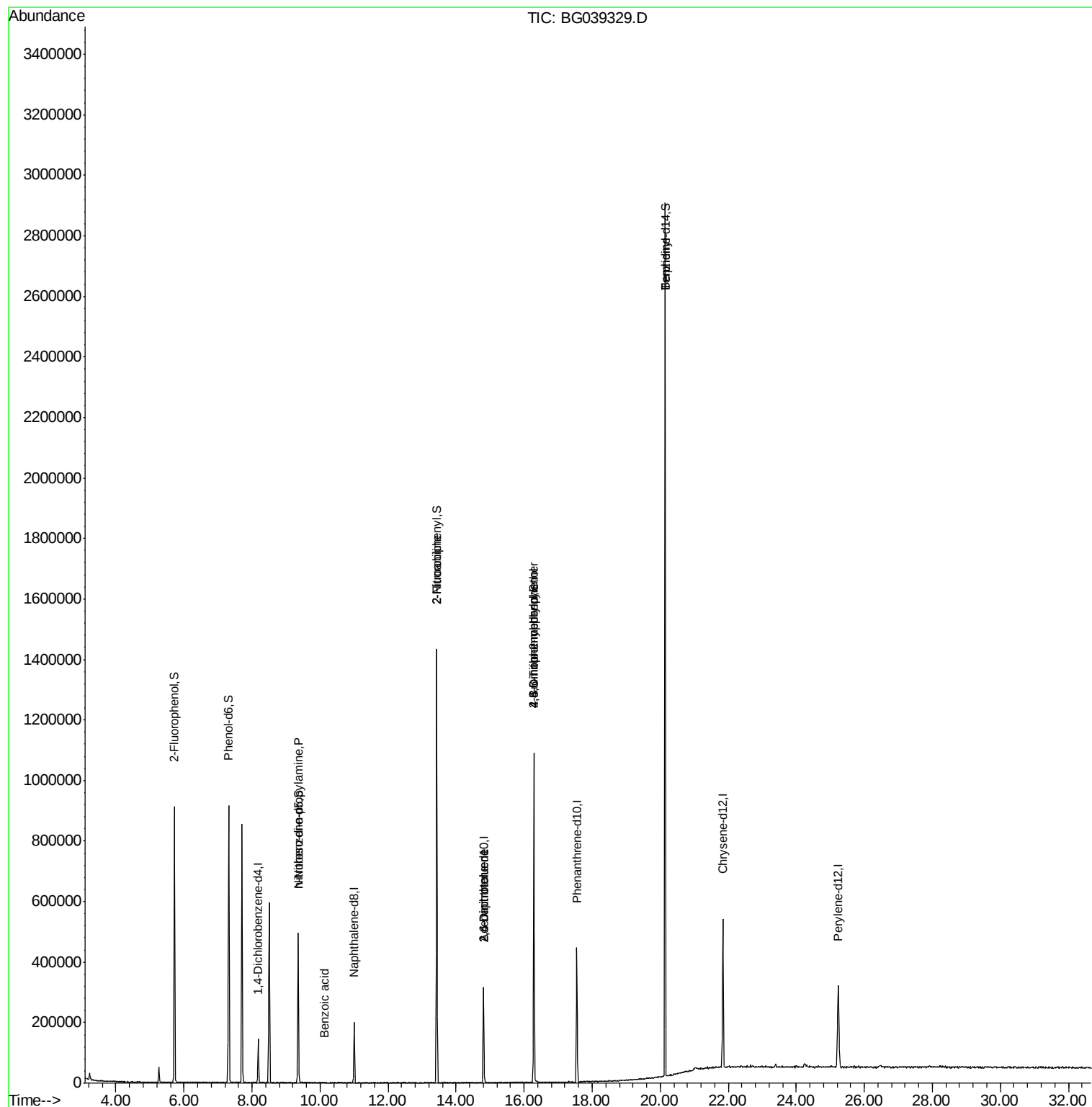
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	38020	20.00	ng	0.00
21) Naphthalene-d8	11.01	136	167289	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	108213	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	274774	20.00	ng	0.00
76) Chrysene-d12	21.84	240	304909	20.00	ng	0.00
87) Perylene-d12	25.23	264	296252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	358132	161.22	ng	0.00
7) Phenol-d6	7.32	99	508796	155.60	ng	0.00
23) Nitrobenzene-d5	9.36	82	286801	107.10	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	178256	152.97	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	729980	96.77	ng	0.00
79) Terphenyl-d14	20.15	244	1273418	88.40	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	881	Below Cal		
19) n-Nitroso-di-n-propylamine	9.36	70	36677	15.803	ng	# 4
32) Benzoic acid	10.11	122	63	9.054	ng	# 77
48) 2-Nitroaniline	13.43	65	1582	8.969	ng	# 1
51) 2,6-Dinitrotoluene	14.81	165	14490	14.218	ng	# 13
57) 2,4-Dinitrotoluene	14.81	165	14490	13.622	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.29	198	569	4.839	ng	# 18
67) 4-Bromophenyl-phenylether	16.29	248	14432	4.734	ng	# 1
77) Benzidine	20.15	184	22644	2.265	ng	# 90

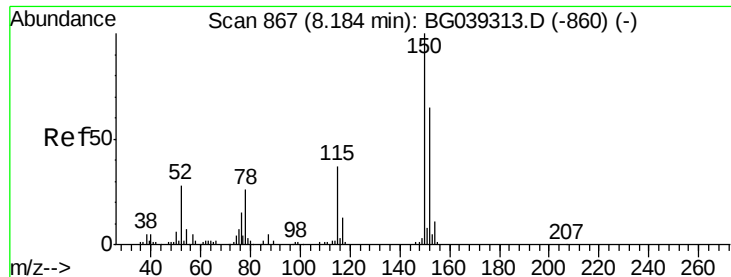
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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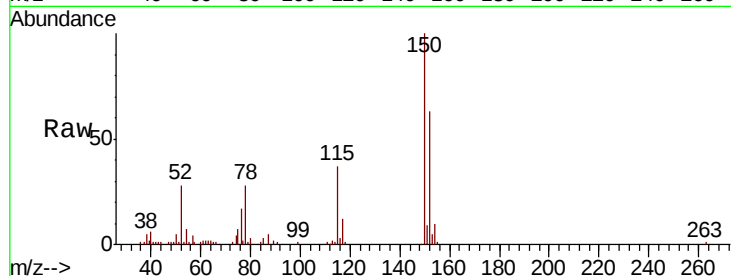


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	123.7	185.5
115	58.4	45.9	68.9

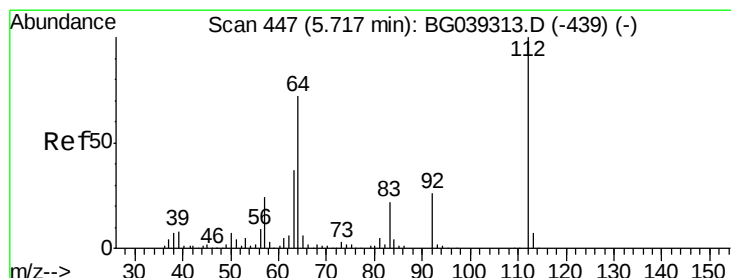
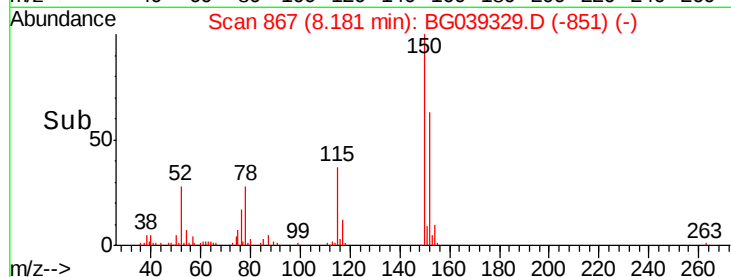
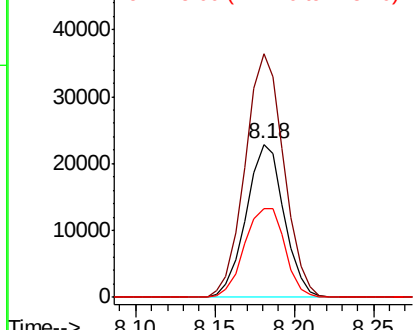


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

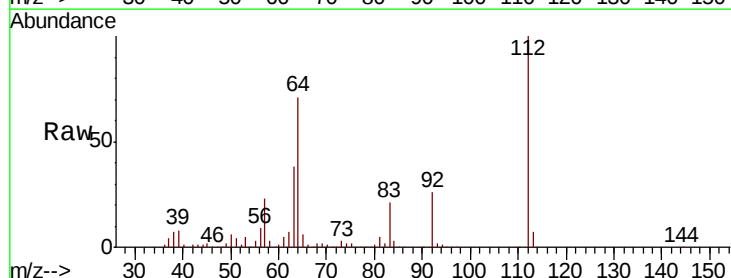
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 161.217 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	57.8	86.8
63	37.6	29.8	44.6

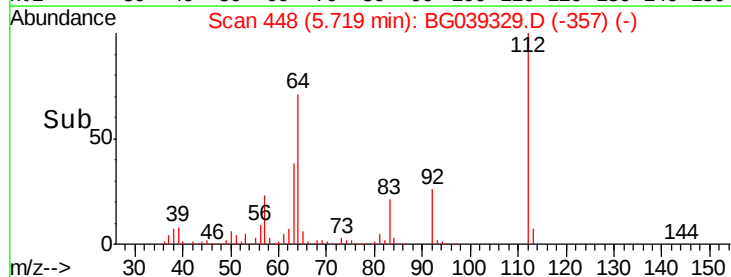
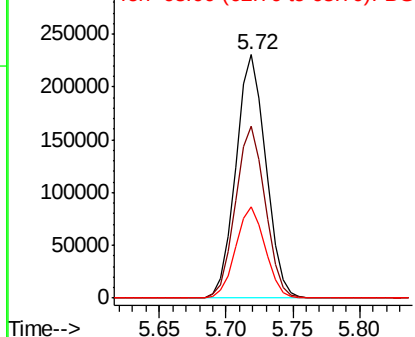


Abundance

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: 155.601 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

Instrument :

BNA_G

ClientSampleId :

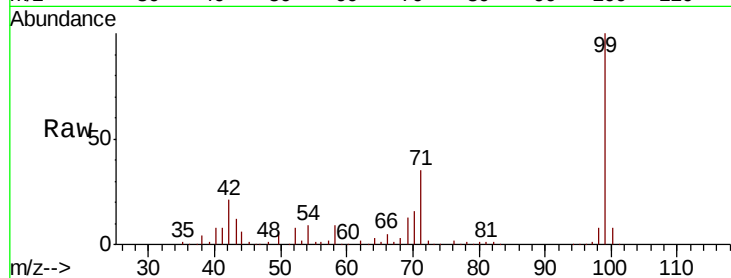
Tot Ion: 99 Resp: 508796

Ion Ratio Lower Upper

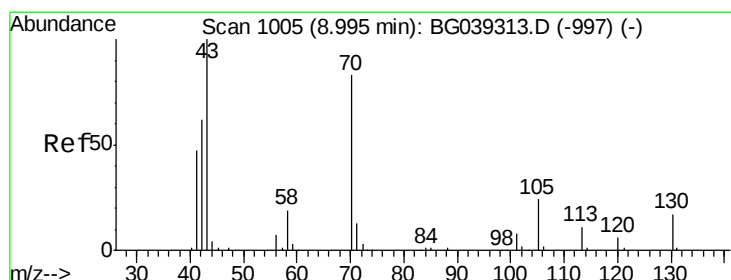
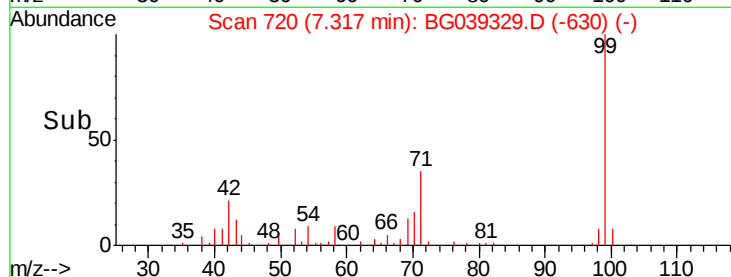
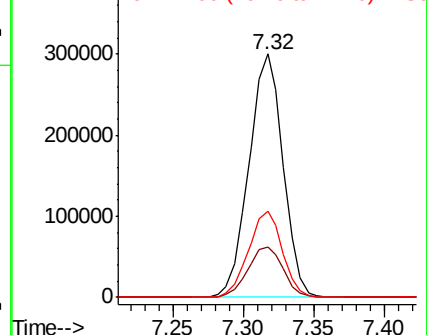
99 100

42 20.7 18.2 27.2

71 35.4 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: 15.803 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

Tgt Ion: 70 Resp: 36677

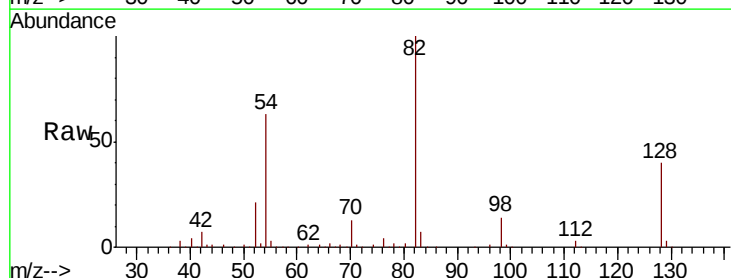
Ion Ratio Lower Upper

70 100

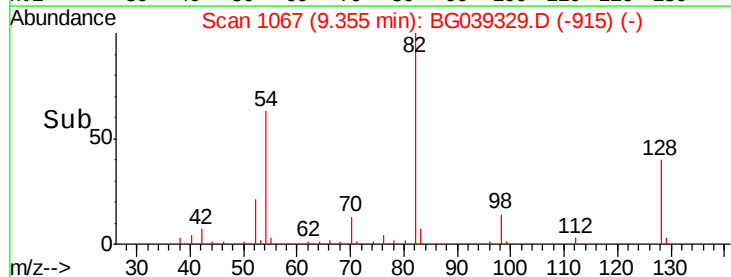
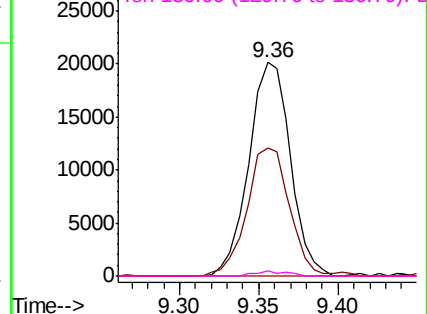
42 59.7 60.4 90.6#

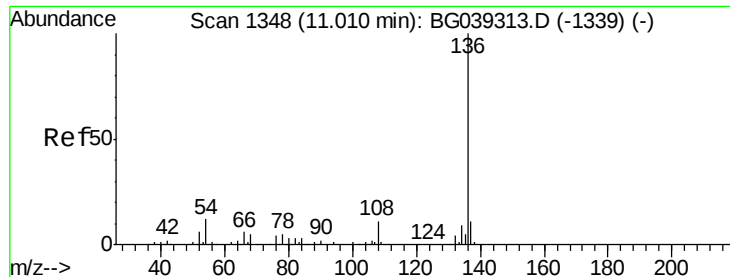
101 0.0 7.5 11.3#

130 2.5 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

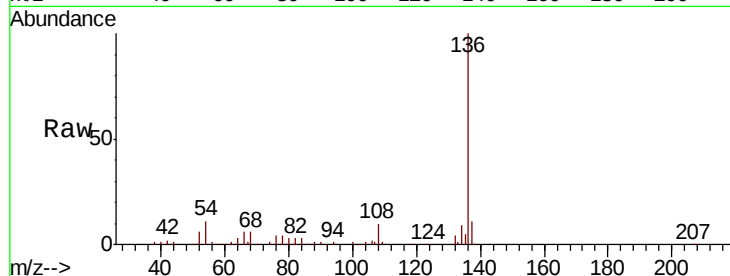




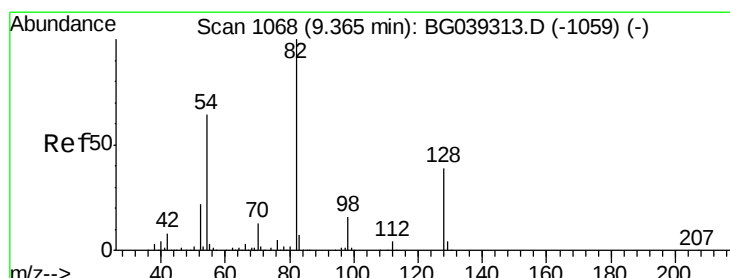
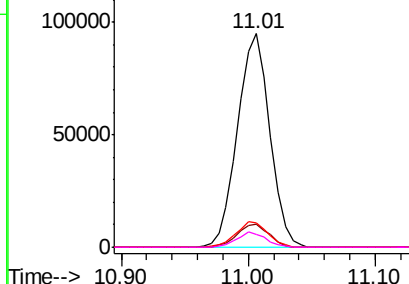
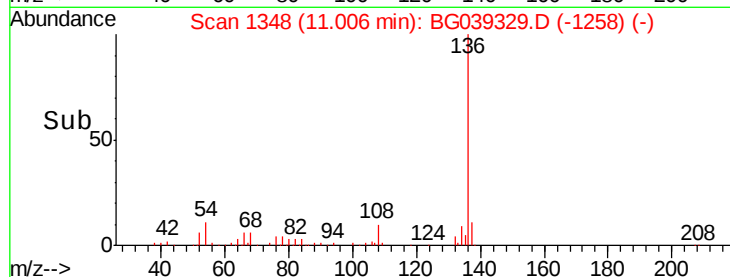
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	167289
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	11.3	9.4 14.2
68	5.9	4.2 6.4

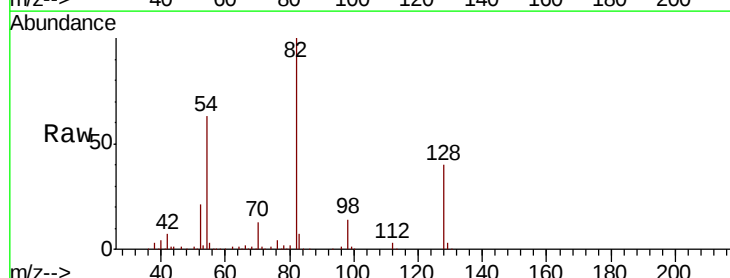


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

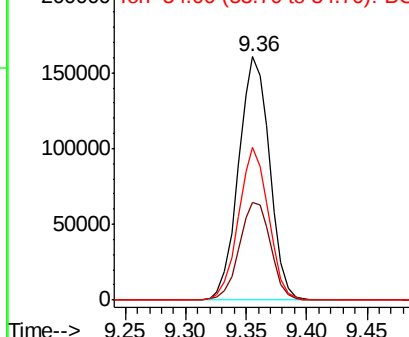
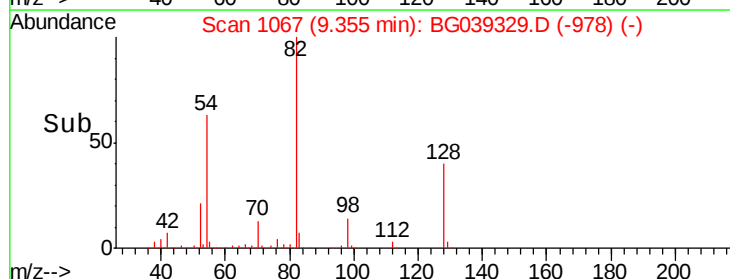


#23
Nitrobenzene-d5
Concen: 107.102 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Tgt Ion: 82	Resp:	286801
Ion Ratio	Lower	Upper
82	100	
128	40.4	31.3 46.9
54	62.5	50.9 76.3



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





#32

Benzoic acid

Concen: 9.054 ng

RT: 10.11 min Scan# 1196

Delta R.T. -0.15 min

Lab File: BG039329.D

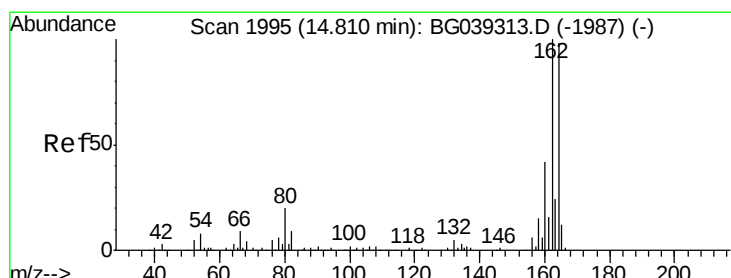
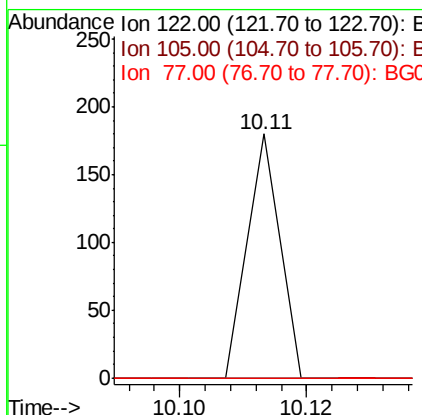
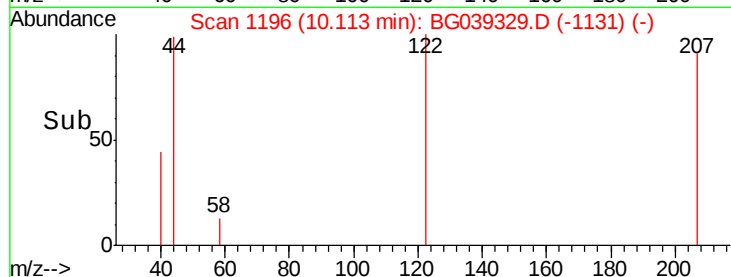
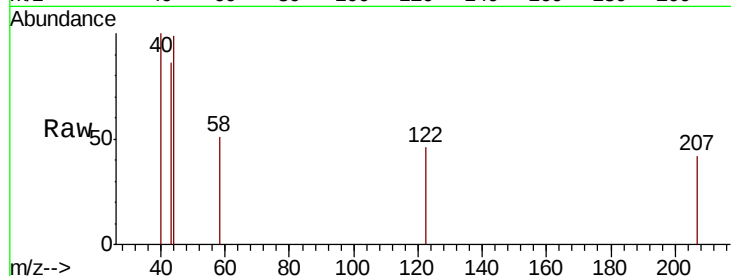
Acq: 30 Jan 2019 15:53

Instrument :

BNA_G

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

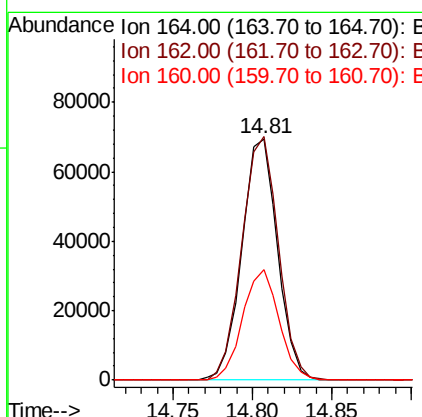
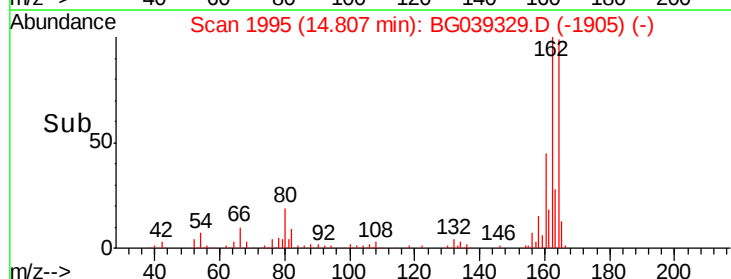
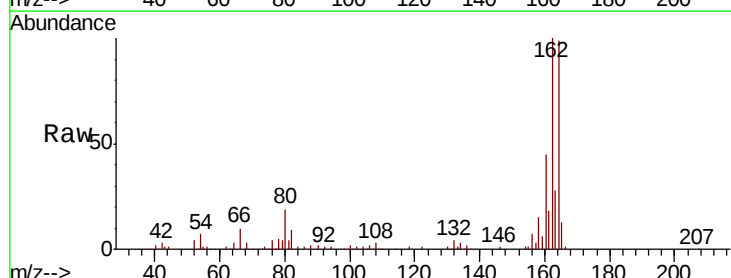
RT: 14.81 min Scan# 1995

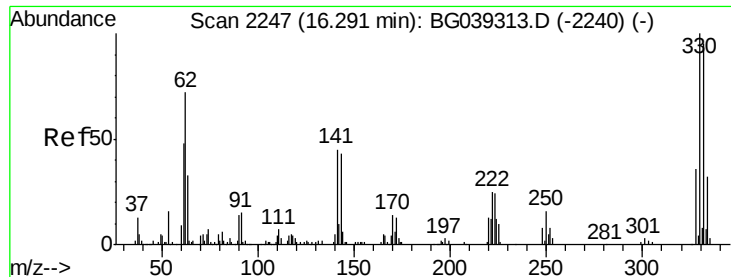
Delta R.T. -0.00 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.6	122.4
160	45.8	34.2	51.2

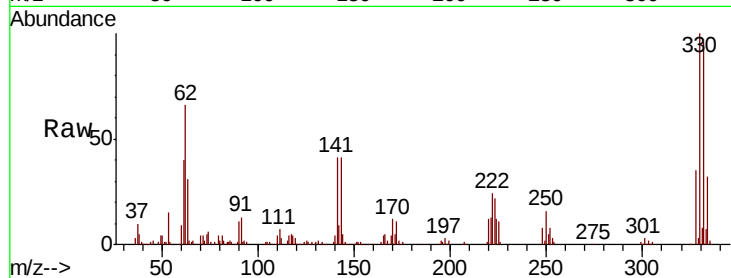




#42
 2,4,6-Tribromophenol
 Concen: 152.974 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.7	113.5
141	42.7	35.6	53.4

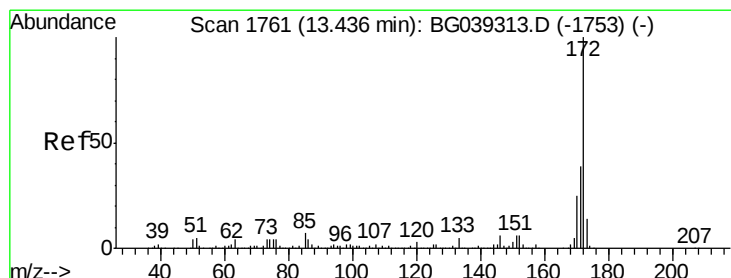
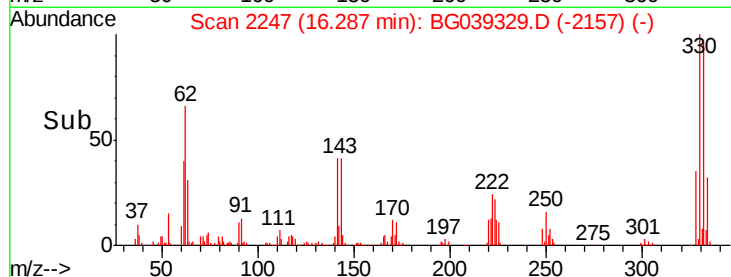
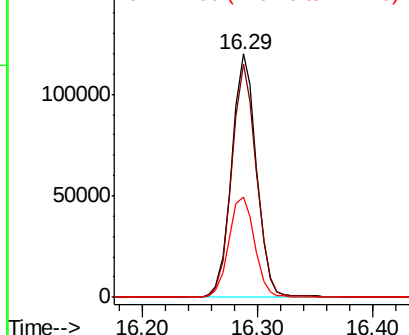


Abundance

Ion 329.80 (329.50 to 330.50): E

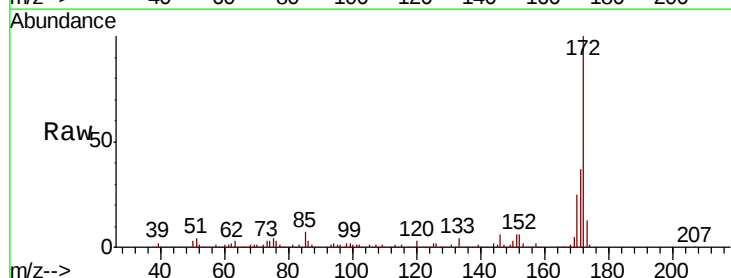
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.771 ng
 RT: 13.43 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.8	20.2	30.4

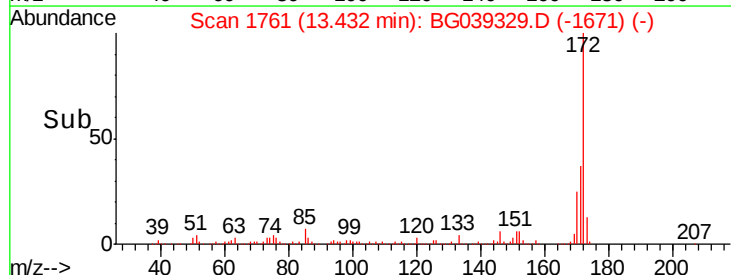
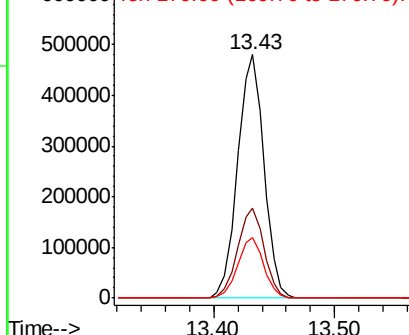


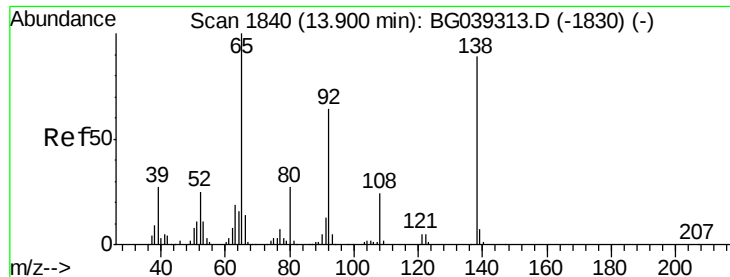
Abundance

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





#48

2-Nitroaniline

Concen: 8.969 ng

RT: 13.43 min Scan# 1761

Delta R.T. -0.47 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

Instrument :

BNA_G

ClientSampleId :

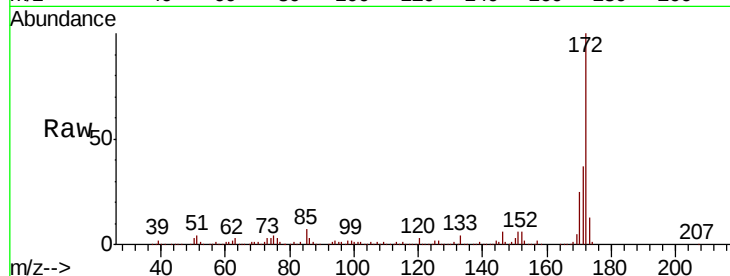
Tot Ion: 65 Resp: 1582

Ion Ratio Lower Upper

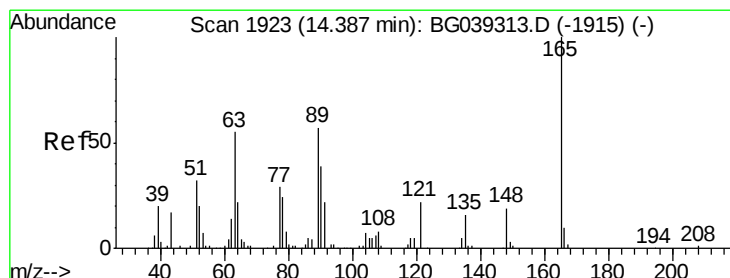
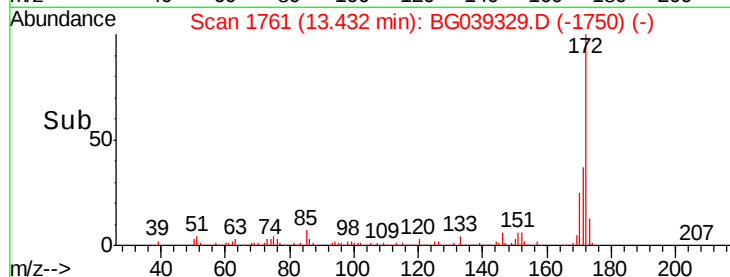
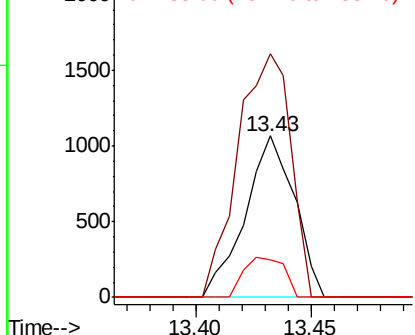
65 100

92 150.8 51.4 77.2#

138 23.3 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 14.218 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.42 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

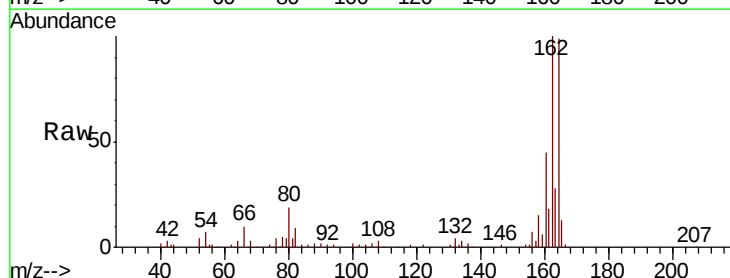
Tgt Ion: 165 Resp: 14490

Ion Ratio Lower Upper

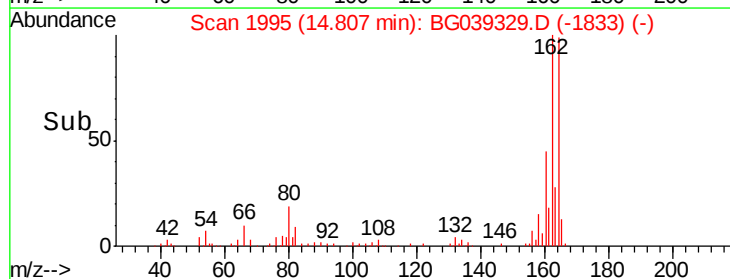
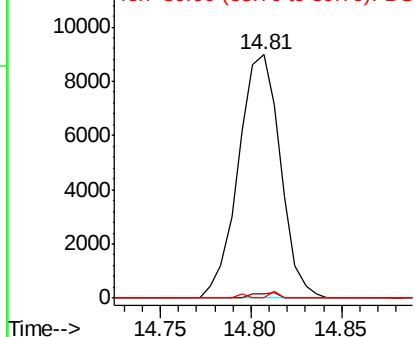
165 100

63 1.7 47.0 70.6#

89 0.0 45.8 68.8#



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

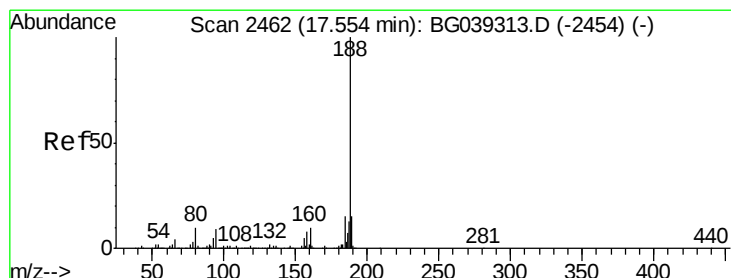
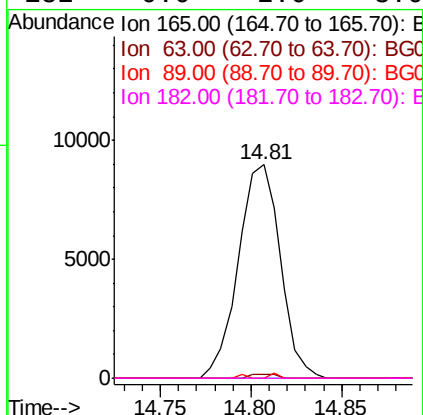
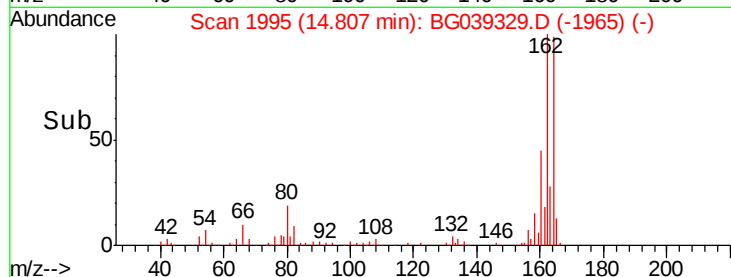
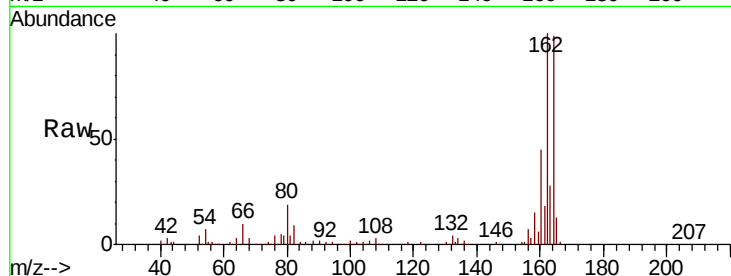




#57
 2,4-Dinitrotoluene
 Concen: 13.622 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. -0.36 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

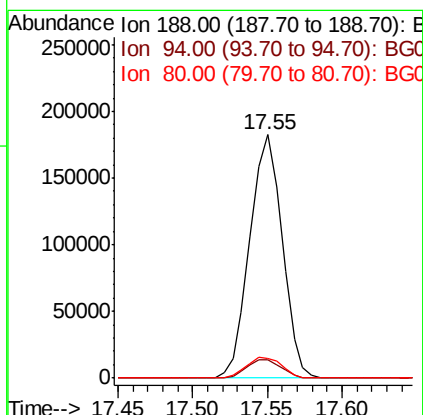
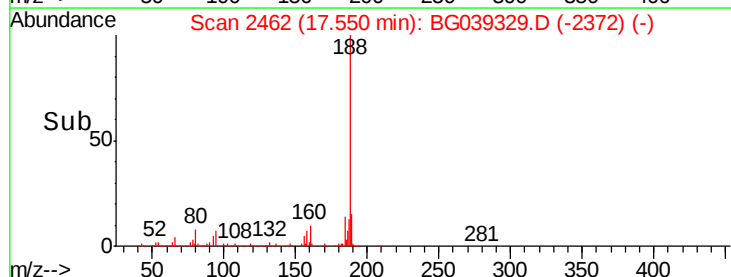
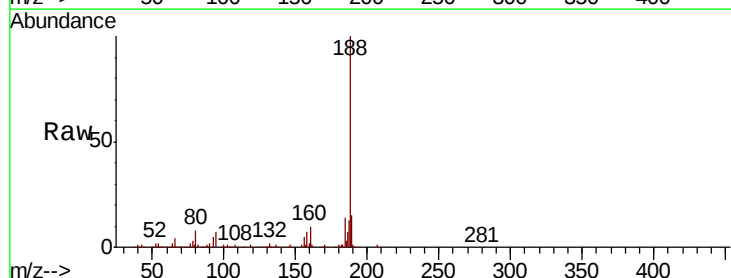
Instrument :
 BNA_G
 ClientSampled :

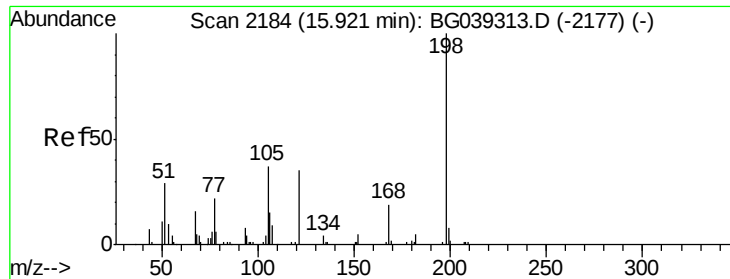
Tot Ion:165 Resp: 14490
 Ion Ratio Lower Upper
 165 100
 63 1.7 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.55 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

Tgt Ion:188 Resp: 274774
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 8.1 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.839 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

Instrument :

BNA_G

ClientSampleId :

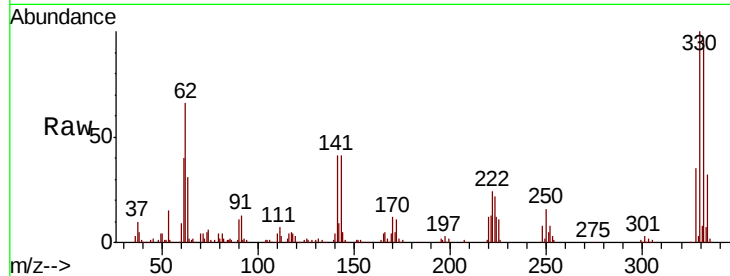
Tot Ion:198 Resp: 569

Ion Ratio Lower Upper

198 100

51 112.9 27.4 67.4#

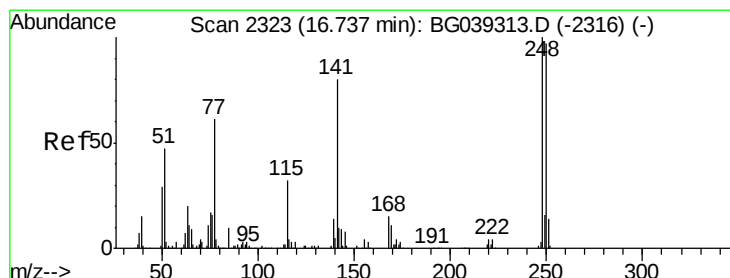
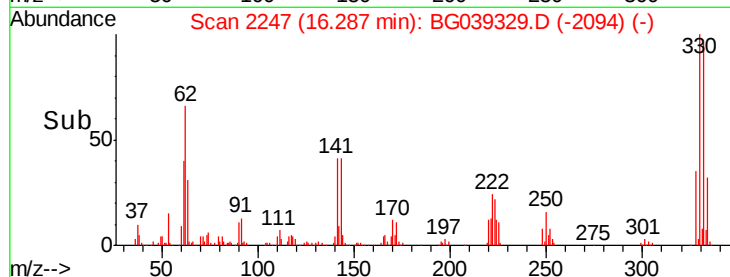
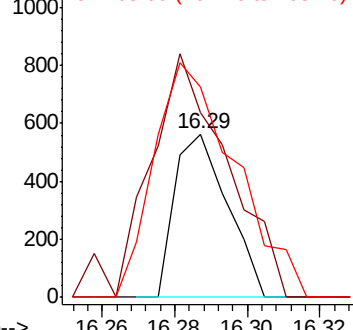
105 128.4 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.734 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.45 min

Lab File: BG039329.D

Acq: 30 Jan 2019 15:53

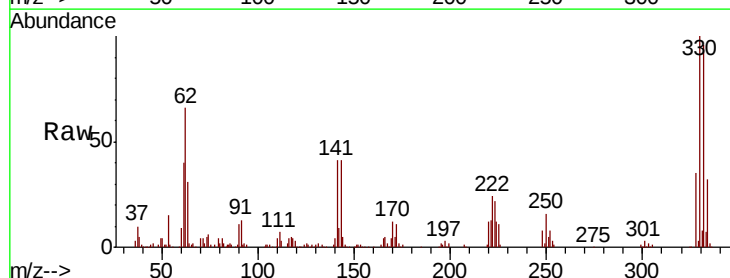
Tgt Ion:248 Resp: 14432

Ion Ratio Lower Upper

248 100

250 187.0 77.6 116.4#

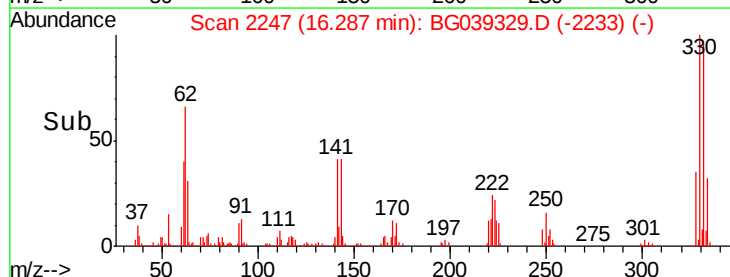
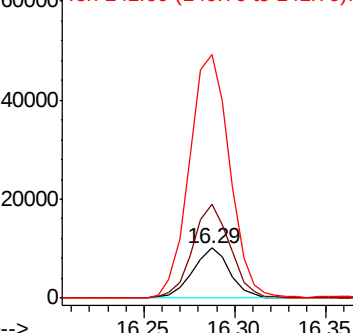
141 486.4 63.9 95.9#

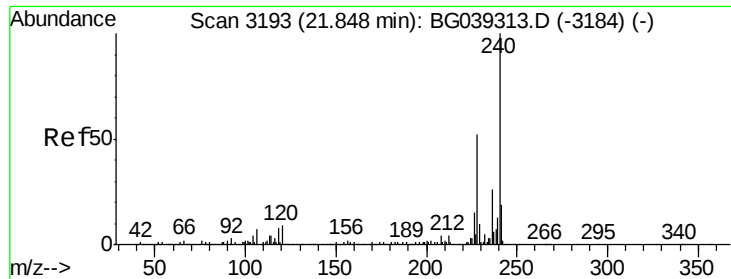


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

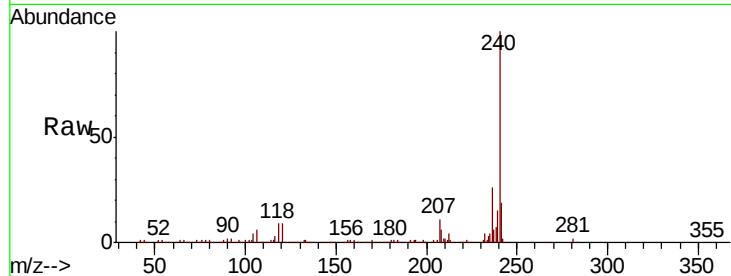




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.0	10.6
236	25.6	21.0	31.4

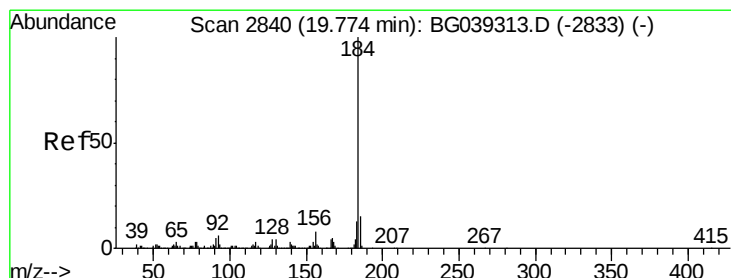
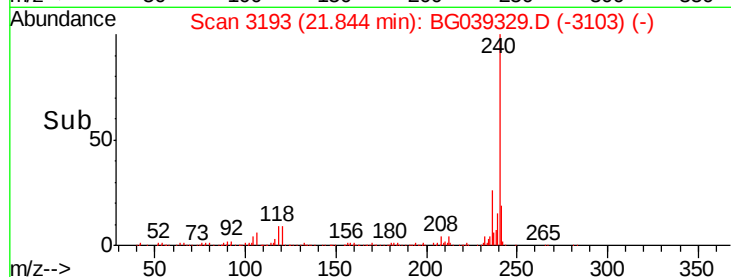
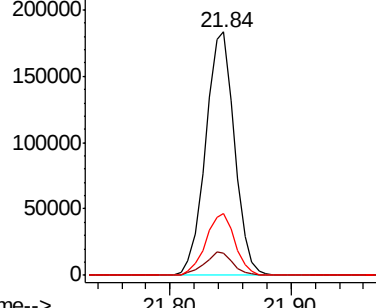


Abundance

Ion 240.00 (239.70 to 240.70): E

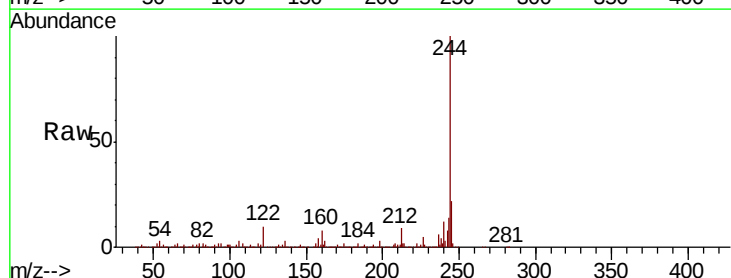
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 2.265 ng
RT: 20.15 min Scan# 2904
Delta R.T. 0.37 min
Lab File: BG039329.D
Acq: 30 Jan 2019 15:53

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.9	12.2	18.2#
183	9.0	10.6	15.8#

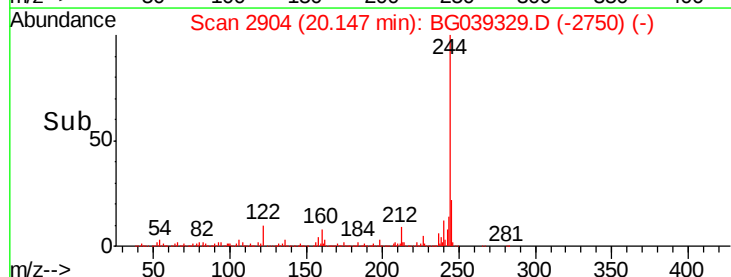
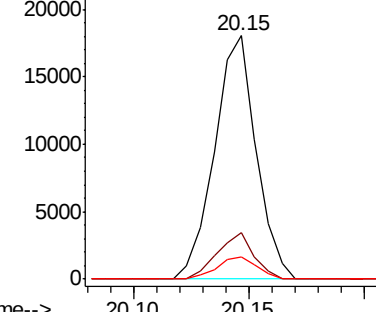


Abundance

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



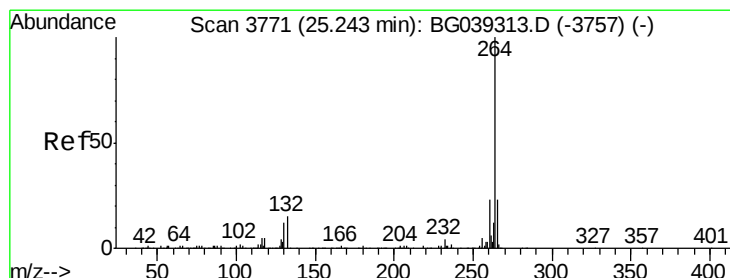
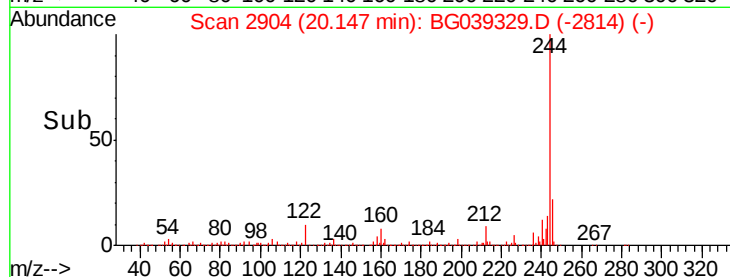
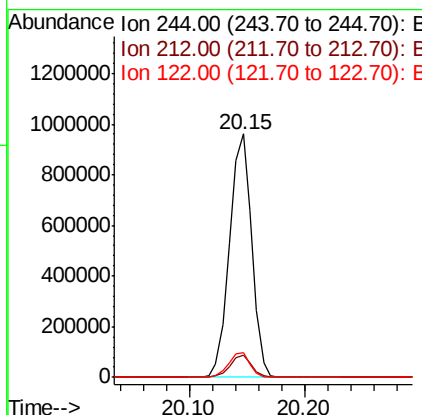
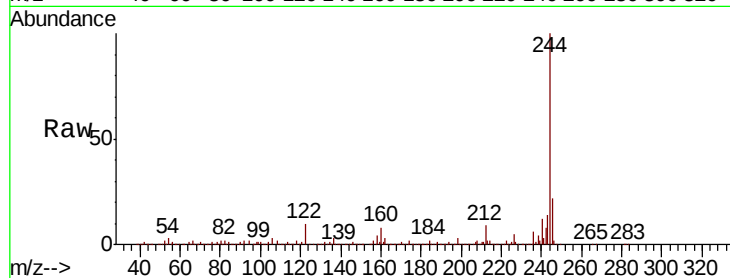


#79
 Terphenyl-d14
 Concen: 88.401 ng
 RT: 20.15 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1273418

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.3	10.9
122	9.9	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.23 min Scan# 3770
 Delta R.T. -0.01 min
 Lab File: BG039329.D
 Acq: 30 Jan 2019 15:53

Tgt Ion:264 Resp: 296252

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	20.7	18.5	27.7

