

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG013019\
 Data File : BG039336.D
 Acq On : 30 Jan 2019 20:31
 Operator : JU/SJ
 Sample : PB116724TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116724TB

Quant Time: Jan 31 05:42:56 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

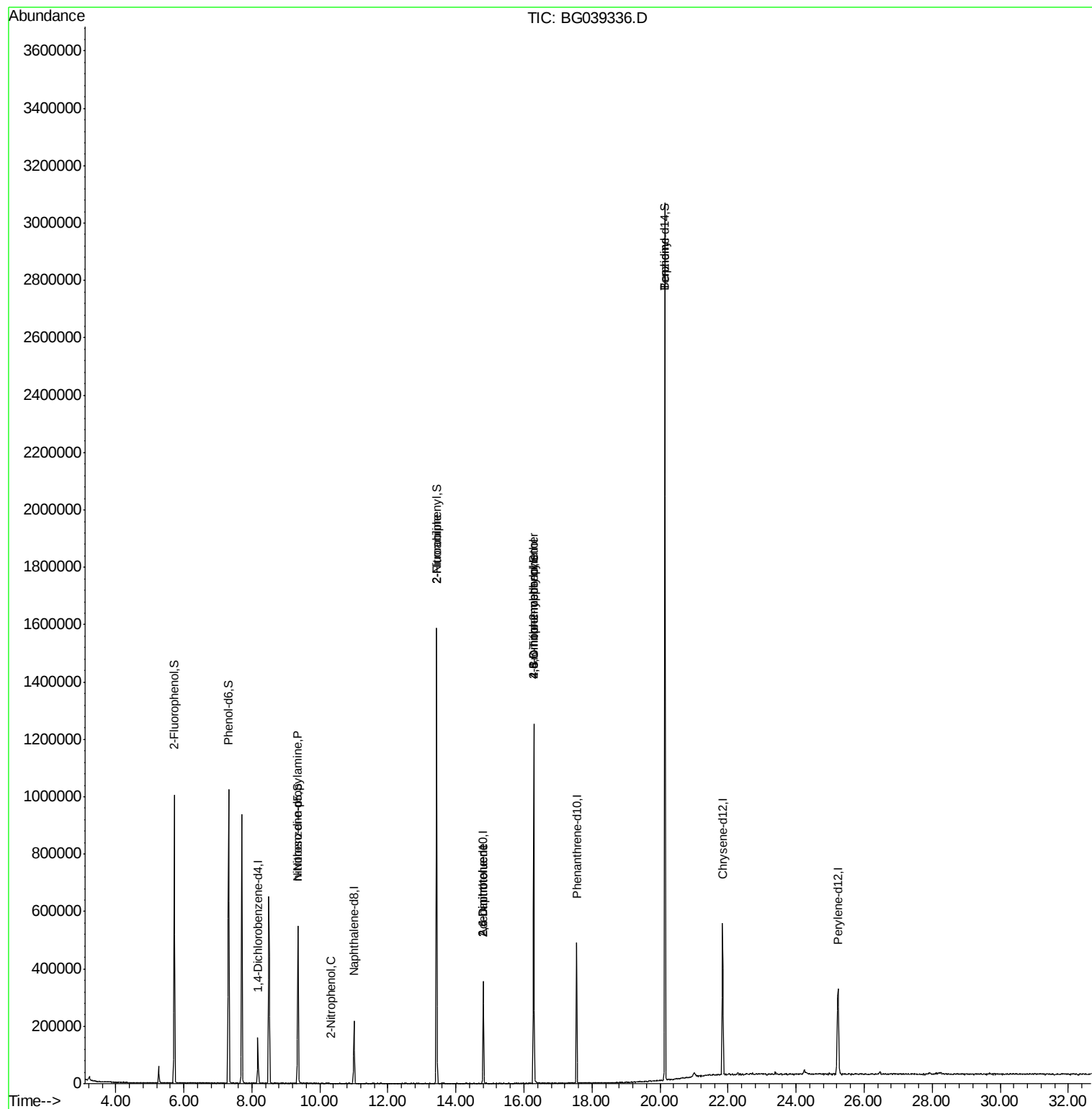
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	42119	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	183567	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	120581	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	300177	20.00	ng	0.00
76) Chrysene-d12	21.84	240	331327	20.00	ng	-0.01
87) Perylene-d12	25.23	264	328621	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	400481	162.74	ng	0.00
7) Phenol-d6	7.32	99	570094	157.38	ng	0.00
23) Nitrobenzene-d5	9.35	82	320148	108.95	ng	-0.01
42) 2,4,6-Tribromophenol	16.29	330	203596	156.80	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	814274	96.87	ng	0.00
79) Terphenyl-d14	20.15	244	1371180	87.60	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	994	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	41963	16.321 ng	#	4
26) 2-Nitrophenol	10.32	139	88	4.089 ng	#	74
48) 2-Nitroaniline	13.43	65	1444	8.847 ng	#	31
51) 2,6-Dinitrotoluene	14.80	165	16404	14.340 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	16404	13.714 ng	#	23
65) 4,6-Dinitro-2-methylphenol	16.29	198	801	5.030 ng	#	18
67) 4-Bromophenyl-phenylether	16.29	248	15244	4.578 ng	#	6
77) Benzidine	20.15	184	24615	2.266 ng	#	1
					#	94

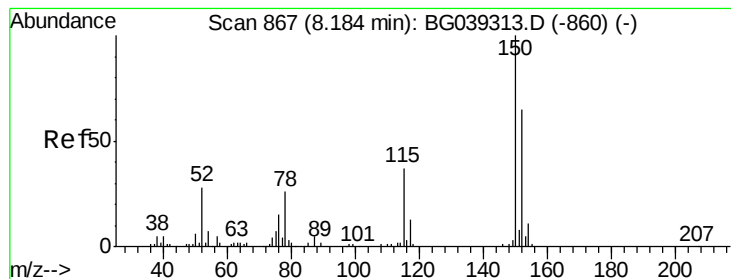
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 29 15:41:51 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

Instrument :

BNA_G

ClientSampleId :

PB116724TB

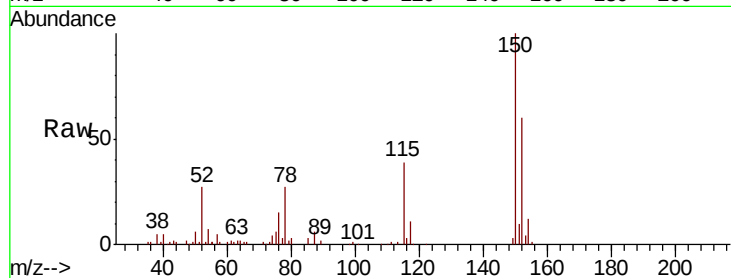
Tgt Ion:152 Resp: 42119

Ion Ratio Lower Upper

152 100

150 165.6 123.7 185.5

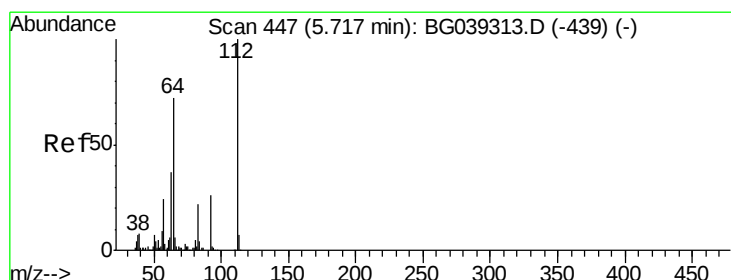
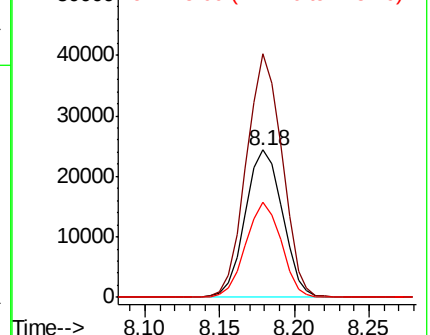
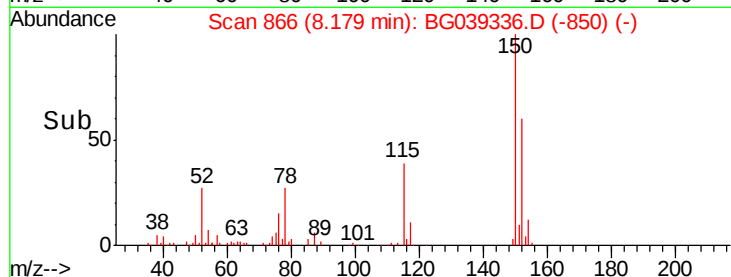
115 65.0 45.9 68.9



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: 162.736 ng

RT: 5.72 min Scan# 447

Delta R.T. 0.00 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

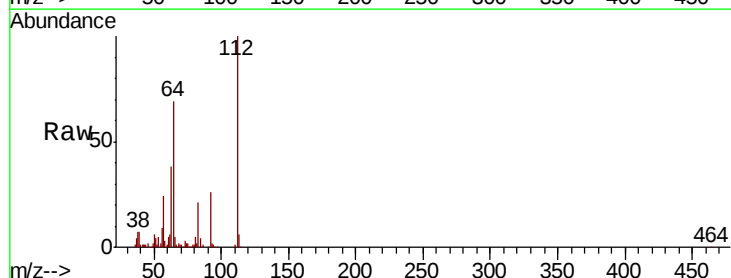
Tgt Ion:112 Resp: 400481

Ion Ratio Lower Upper

112 100

64 69.4 57.8 86.8

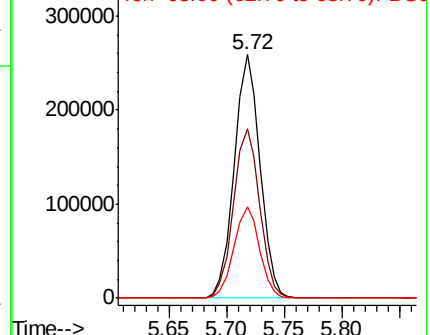
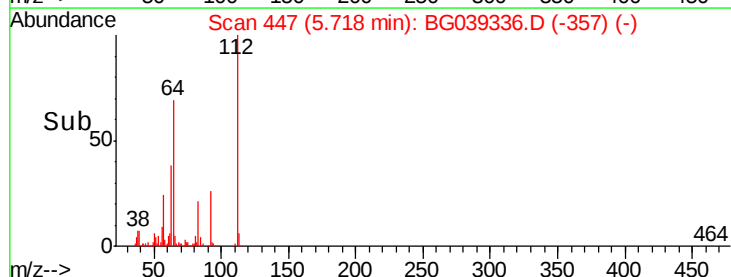
63 37.7 29.8 44.6

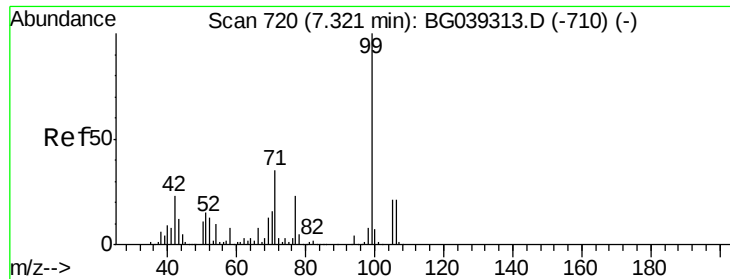


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 157.379 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

Instrument :

BNA_G

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PB116724TB

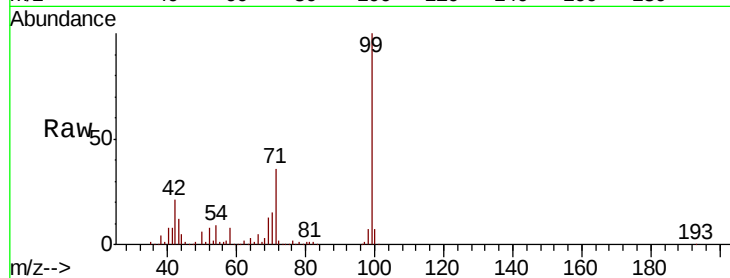
Tgt Ion: 99 Resp: 570094

Ion Ratio Lower Upper

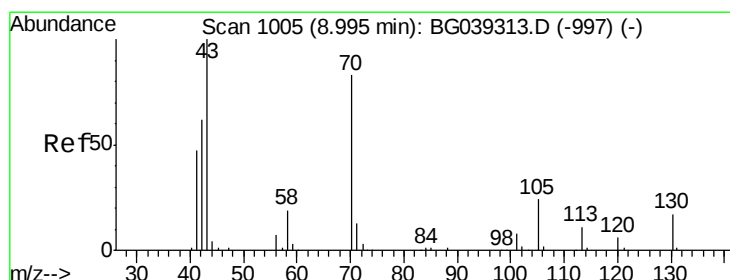
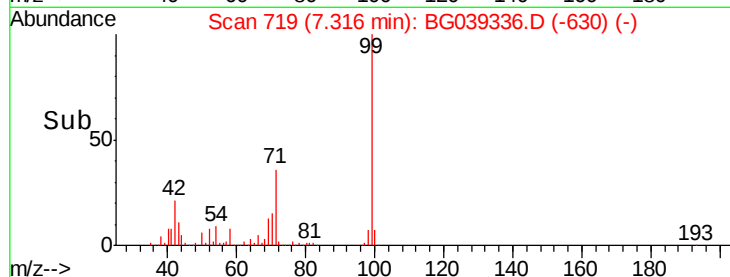
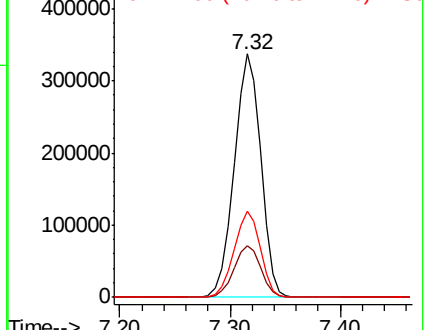
99 100

42 21.0 18.2 27.2

71 35.6 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: 16.321 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

Tgt Ion: 70 Resp: 41963

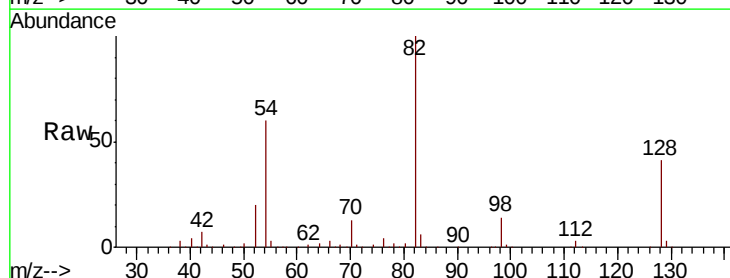
Ion Ratio Lower Upper

70 100

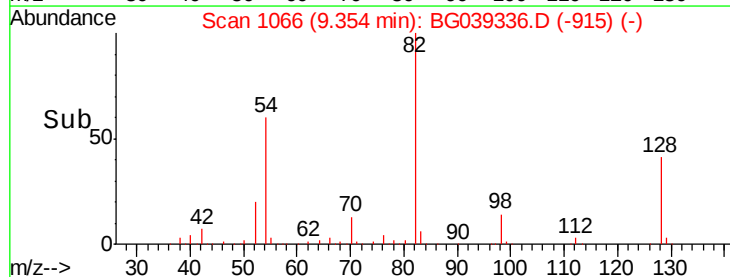
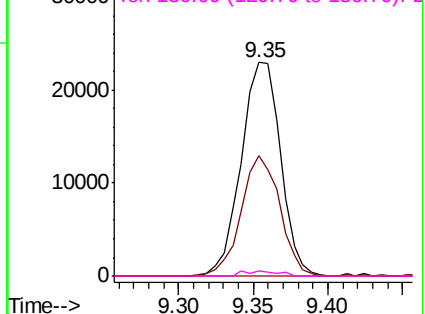
42 56.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 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

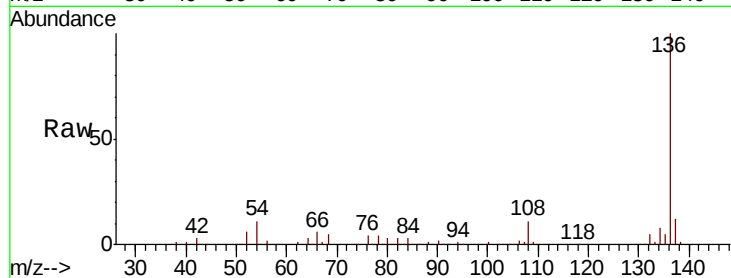




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Instrument :
BNA_G
ClientSampleId :
PB116724TB

Tgt Ion:	136	Resp:	183567
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.9	9.4	14.2
68	5.0	4.2	6.4



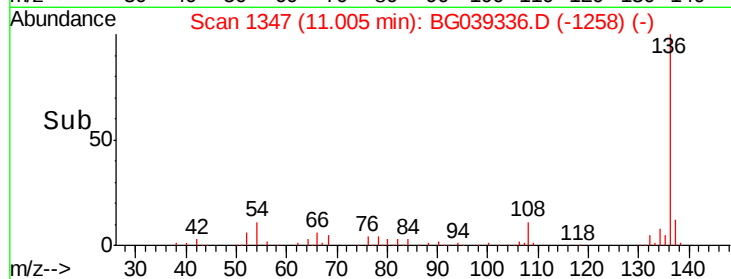
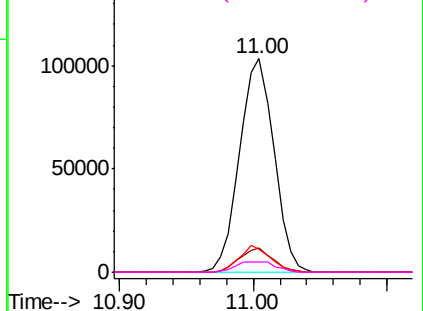
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

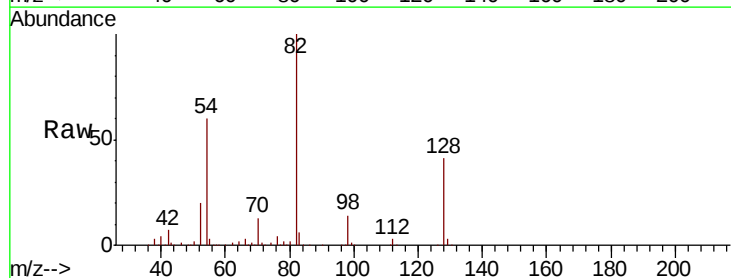
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 108.953 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Tgt Ion:	82	Resp:	320148
Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.3	46.9
54	60.4	50.9	76.3

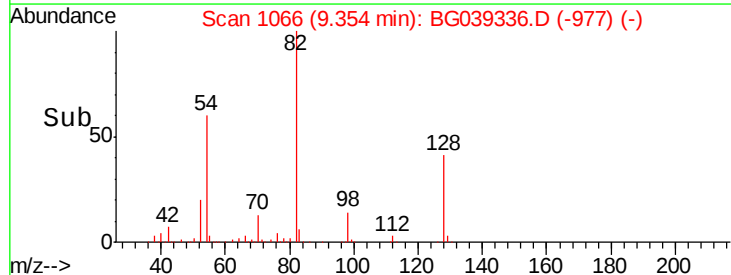
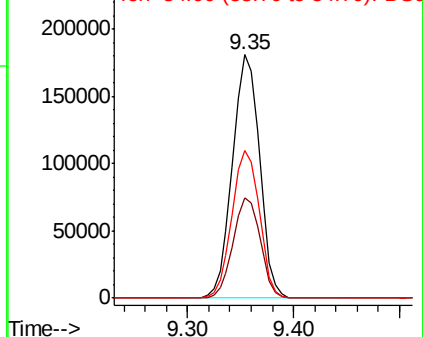


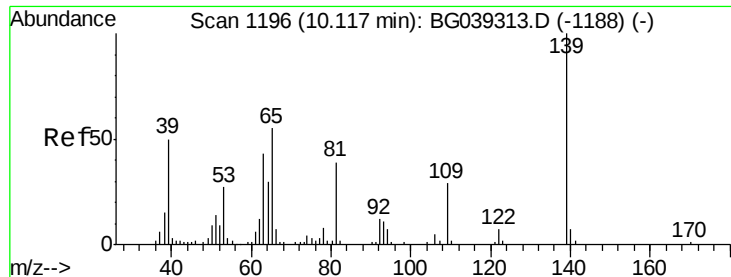
Abundance

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

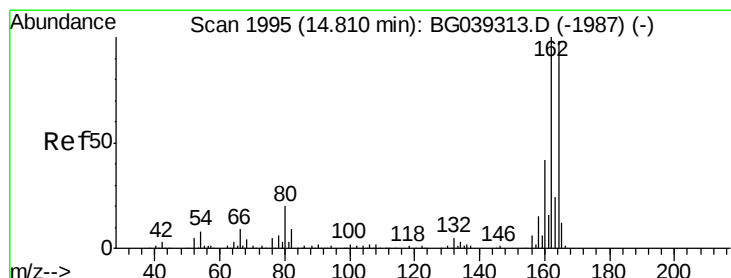
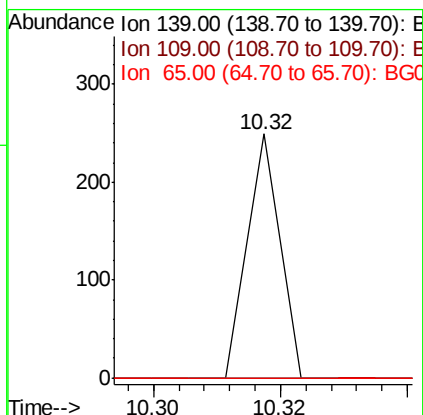
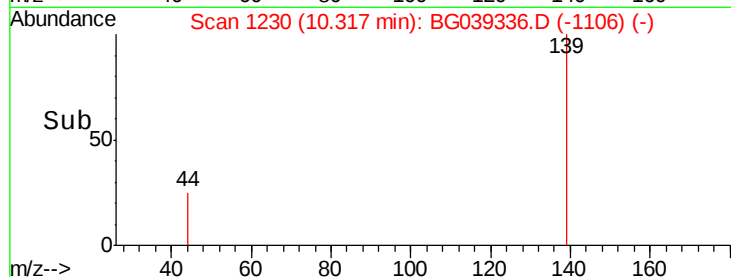
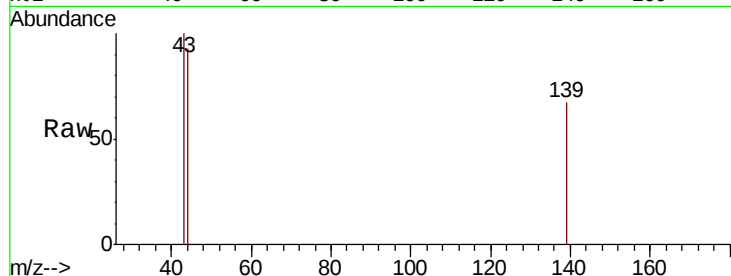




#26
2-Nitrophenol
Concen: 4.089 ng
RT: 10.32 min Scan# 1230
Delta R.T. 0.20 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

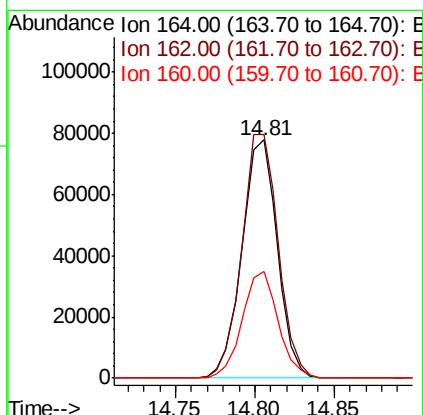
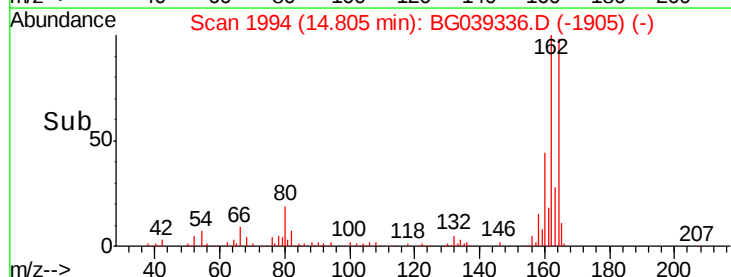
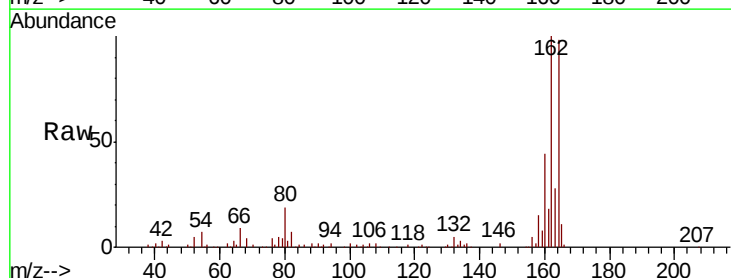
Instrument :
BNA_G
ClientSampleId :
PB116724TB

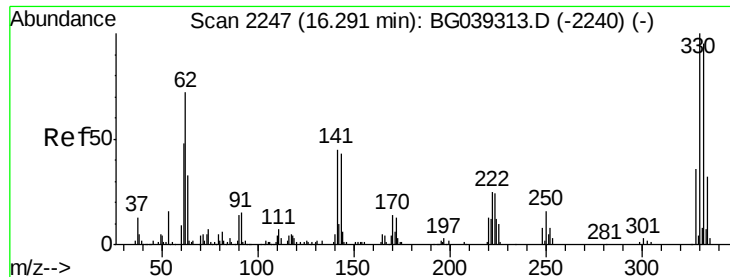
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.81 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.6	122.4
160	44.8	34.2	51.2

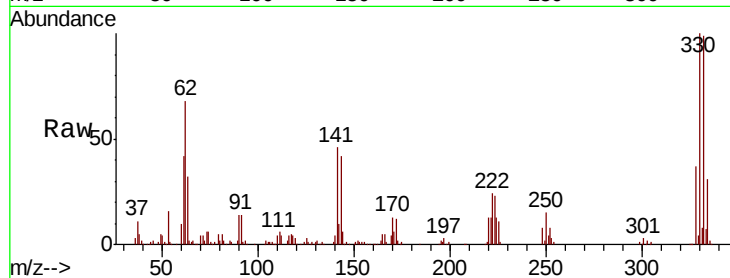




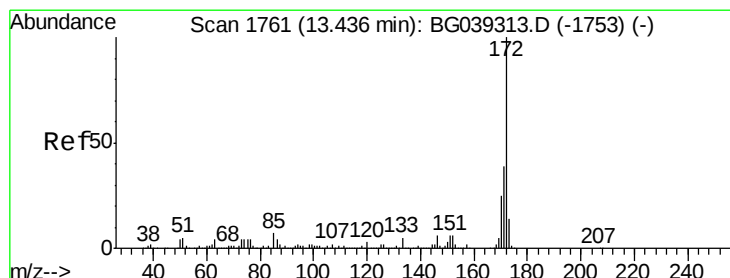
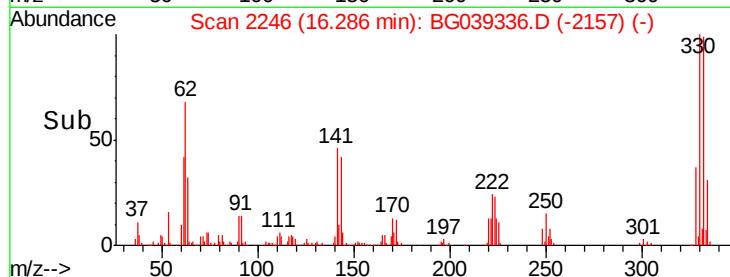
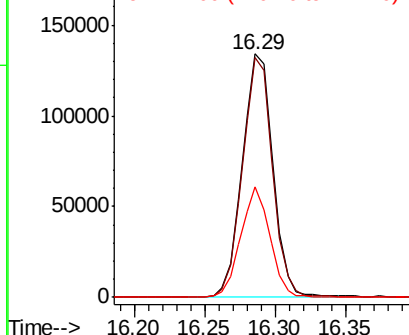
#42
 2,4,6-Tribromophenol
 Concen: 156.799 ng
 RT: 16.29 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039336.D
 Acq: 30 Jan 2019 20:31

Instrument :
 BNA_G
 ClientSampleId :
 PB116724TB

Tgt Ion:330 Resp: 203596
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.7 113.5
 141 43.3 35.6 53.4

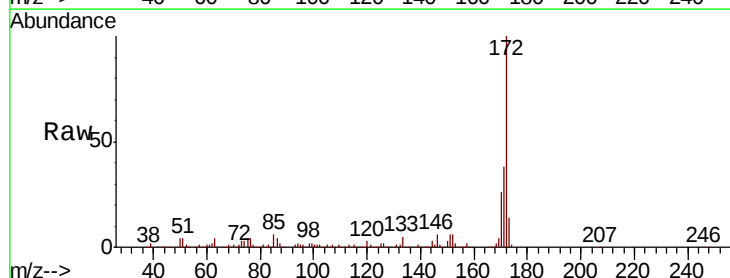


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

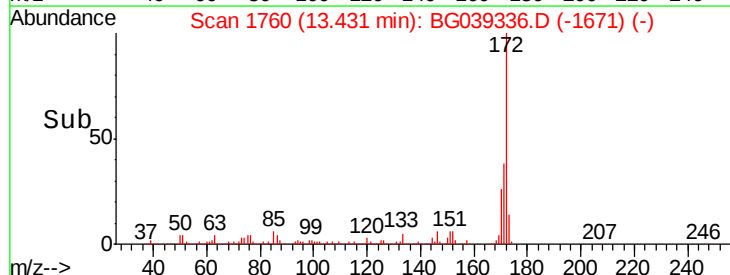
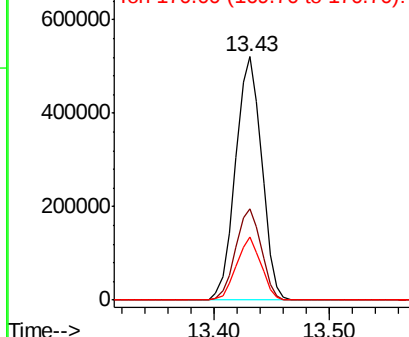


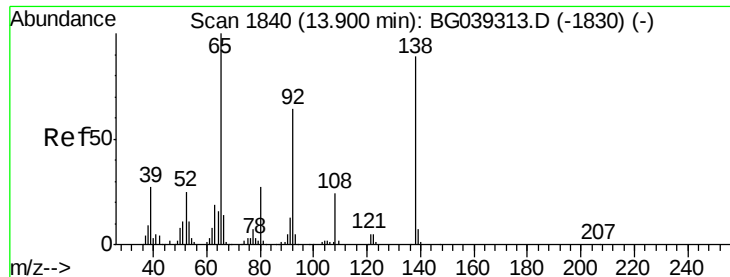
#45
 2-Fluorobiphenyl
 Concen: 96.874 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039336.D
 Acq: 30 Jan 2019 20:31

Tgt Ion:172 Resp: 814274
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 25.9 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

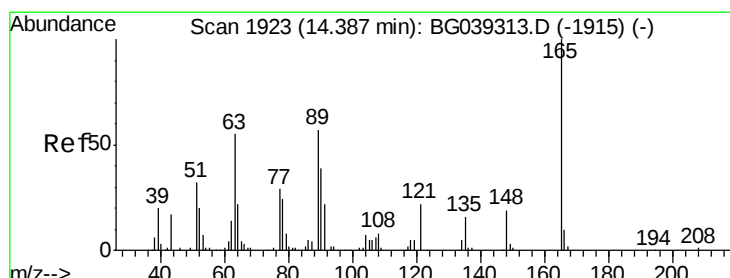
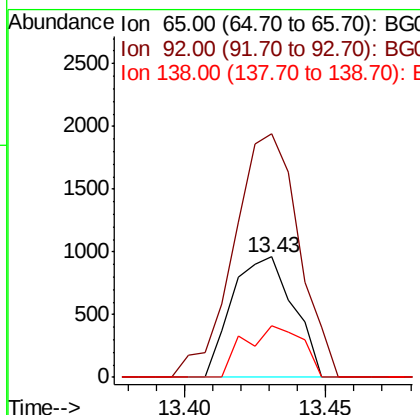
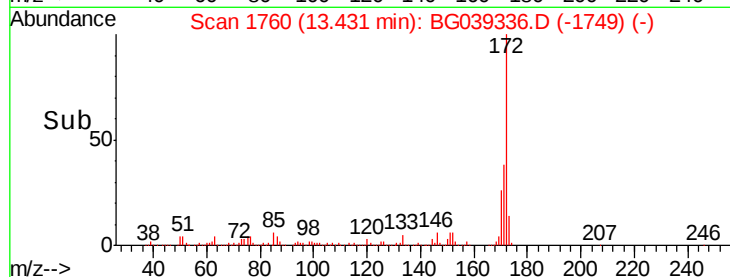
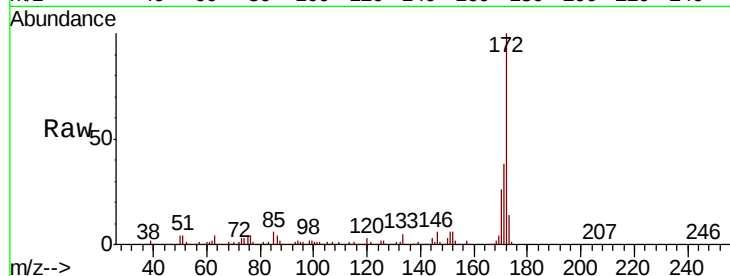




#48
2-Nitroaniline
Concen: 8.847 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.47 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

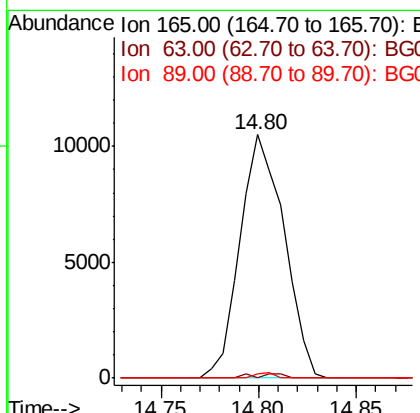
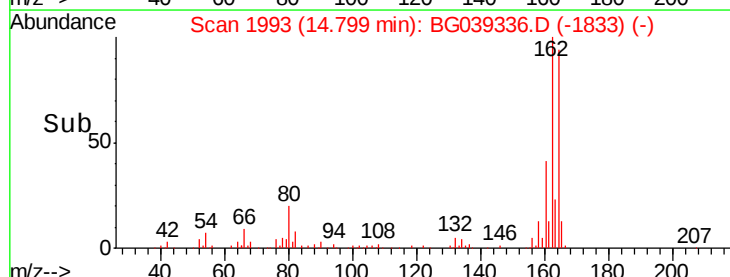
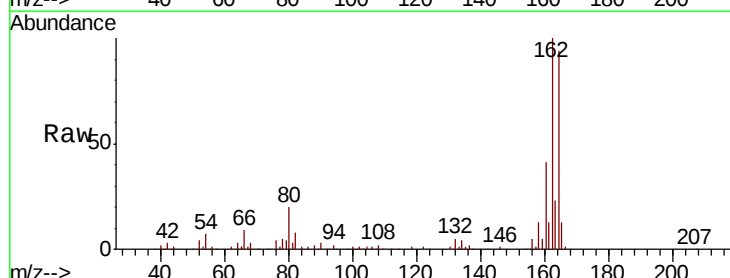
Instrument :
BNA_G
ClientSampleId :
PB116724TB

Tgt Ion: 65 Resp: 1444
Ion Ratio Lower Upper
65 100
92 202.0 51.4 77.2#
138 42.8 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 14.340 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Tgt Ion: 165 Resp: 16404
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 1.7 45.8 68.8#

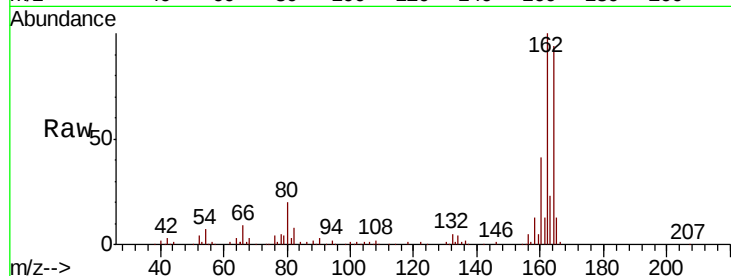




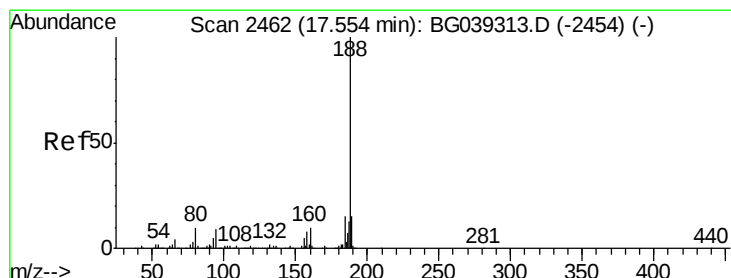
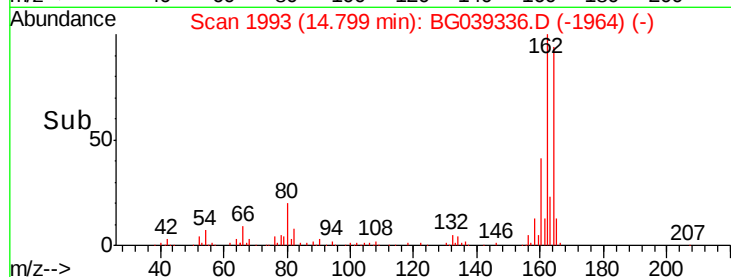
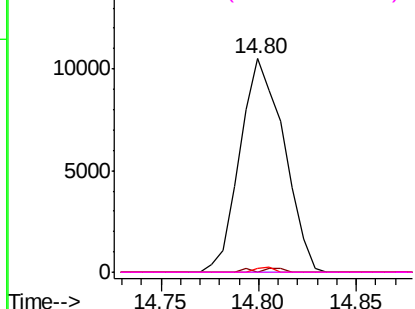
#57
2,4-Dinitrotoluene
Concen: 13.714 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Instrument :
BNA_G
ClientSampleId :
PB116724TB

Tgt Ion:165 Resp: 16404
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.7 64.6 96.8#
182 0.0 2.0 3.0#

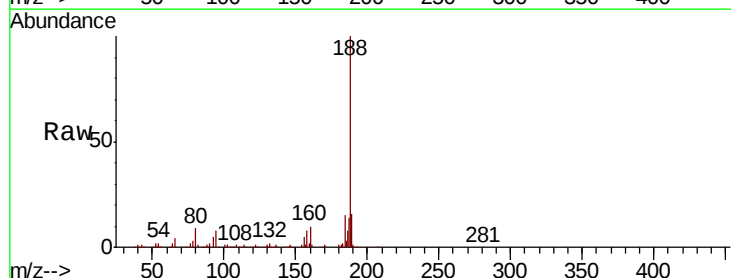


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

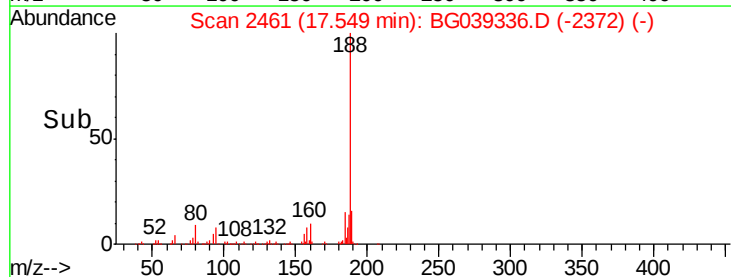
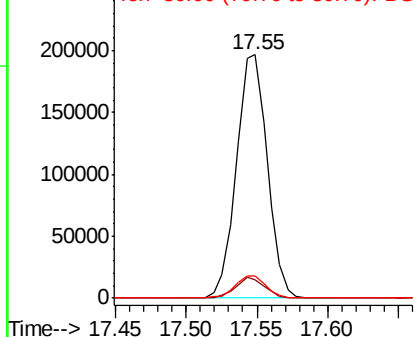


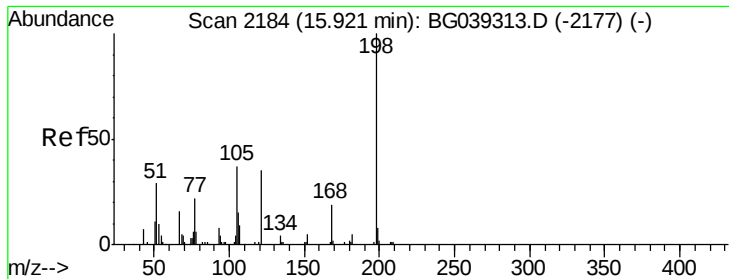
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.55 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Tgt Ion:188 Resp: 300177
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 9.2 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: 5.030 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

Instrument :

BNA_G

ClientSampleId :

PB116724TB

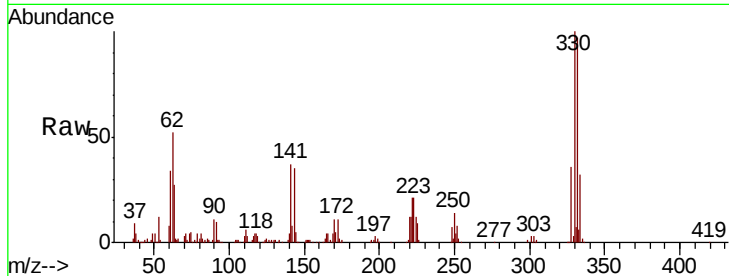
Tgt Ion:198 Resp: 801

Ion Ratio Lower Upper

198 100

51 84.8 27.4 67.4#

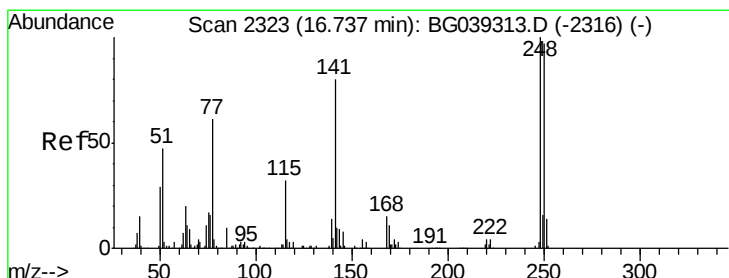
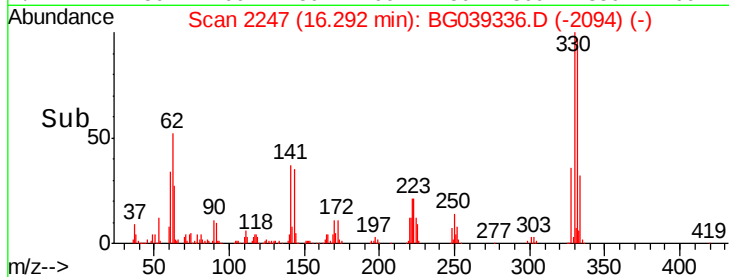
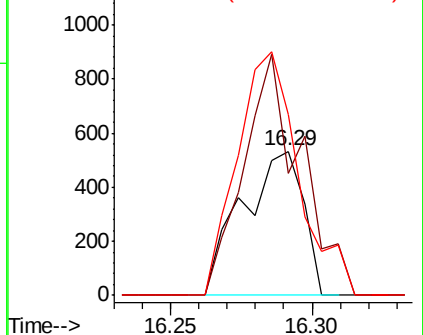
105 125.5 19.7 59.7#



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: 4.578 ng

RT: 16.29 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

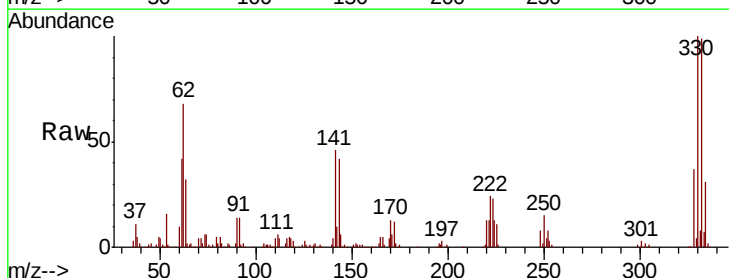
Tgt Ion:248 Resp: 15244

Ion Ratio Lower Upper

248 100

250 195.5 77.6 116.4#

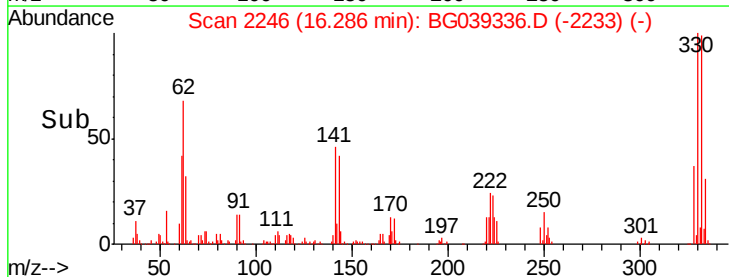
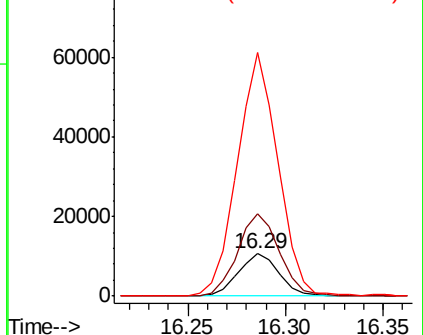
141 577.6 63.9 95.9#



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

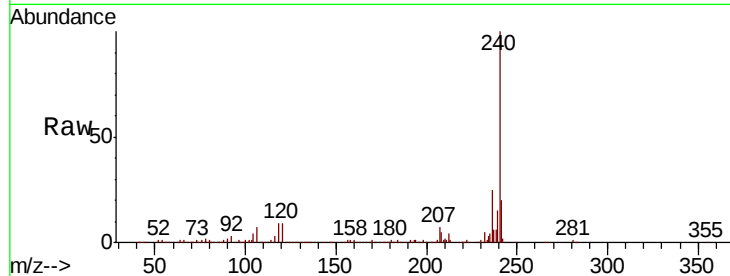




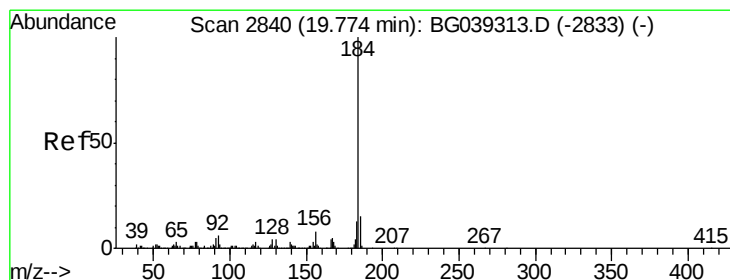
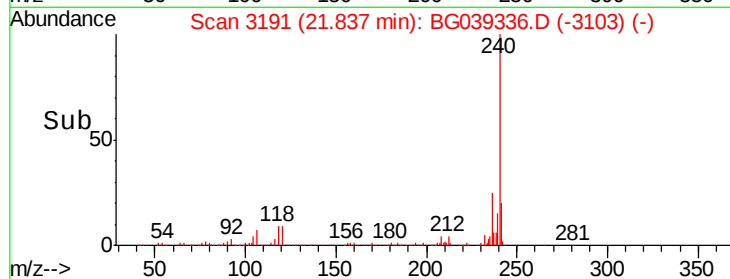
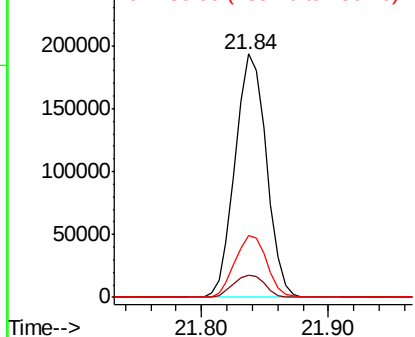
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Instrument :
BNA_G
ClientSampleId :
PB116724TB

Tgt Ion:240 Resp: 331327
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.4 21.0 31.4

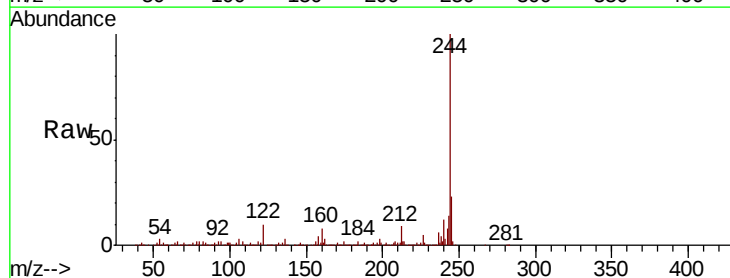


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

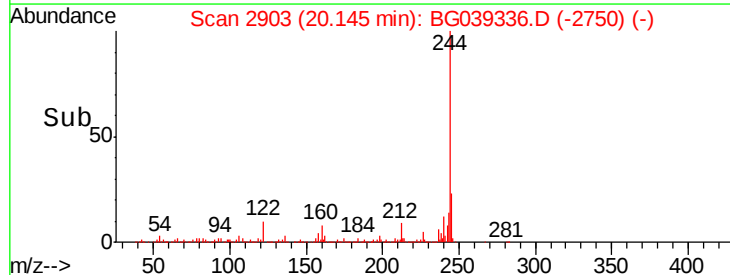
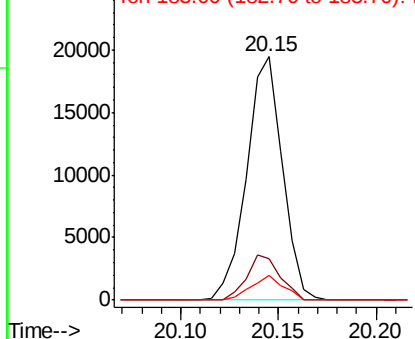


#77
Benzidine
Concen: 2.266 ng
RT: 20.15 min Scan# 2903
Delta R.T. 0.37 min
Lab File: BG039336.D
Acq: 30 Jan 2019 20:31

Tgt Ion:184 Resp: 24615
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 10.0 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: 87.598 ng

RT: 20.15 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

Instrument :

BNA_G

ClientSampleId :

PB116724TB

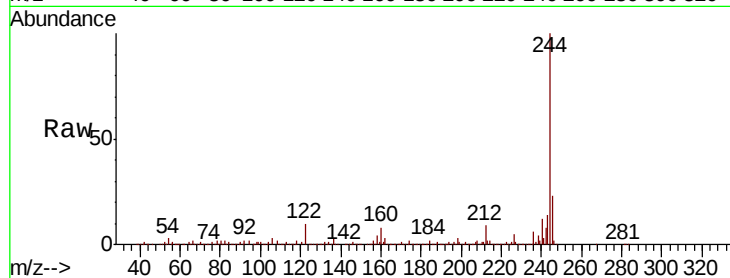
Tgt Ion:244 Resp: 1371180

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

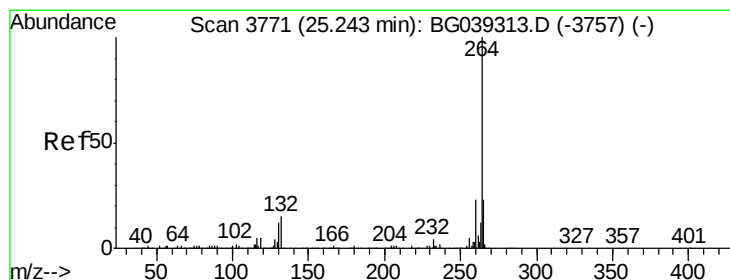
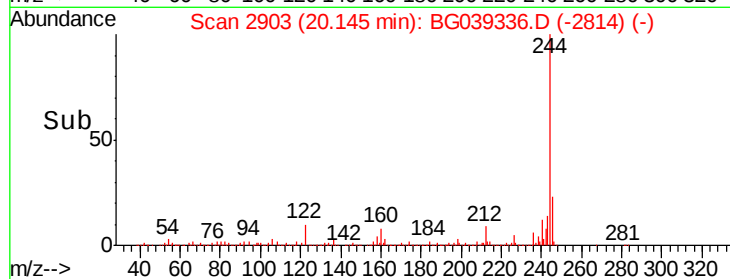
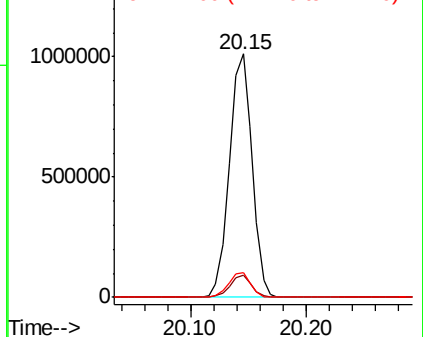
122 10.0 8.4 12.6



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: 25.23 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BG039336.D

Acq: 30 Jan 2019 20:31

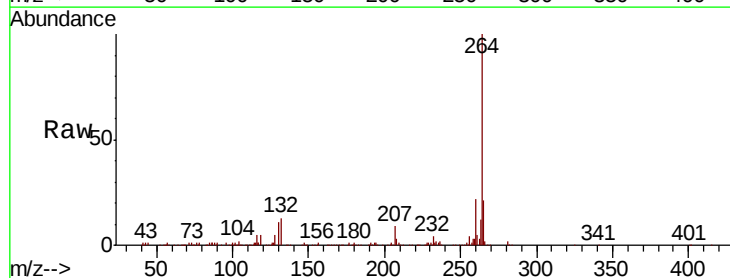
Tgt Ion:264 Resp: 328621

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.4

265 21.5 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

