

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039578.D
 Acq On : 21 Feb 2019 19:28
 Operator : JU/SJ
 Sample : K1344-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-022019-B

Quant Time: Feb 21 22:04:42 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

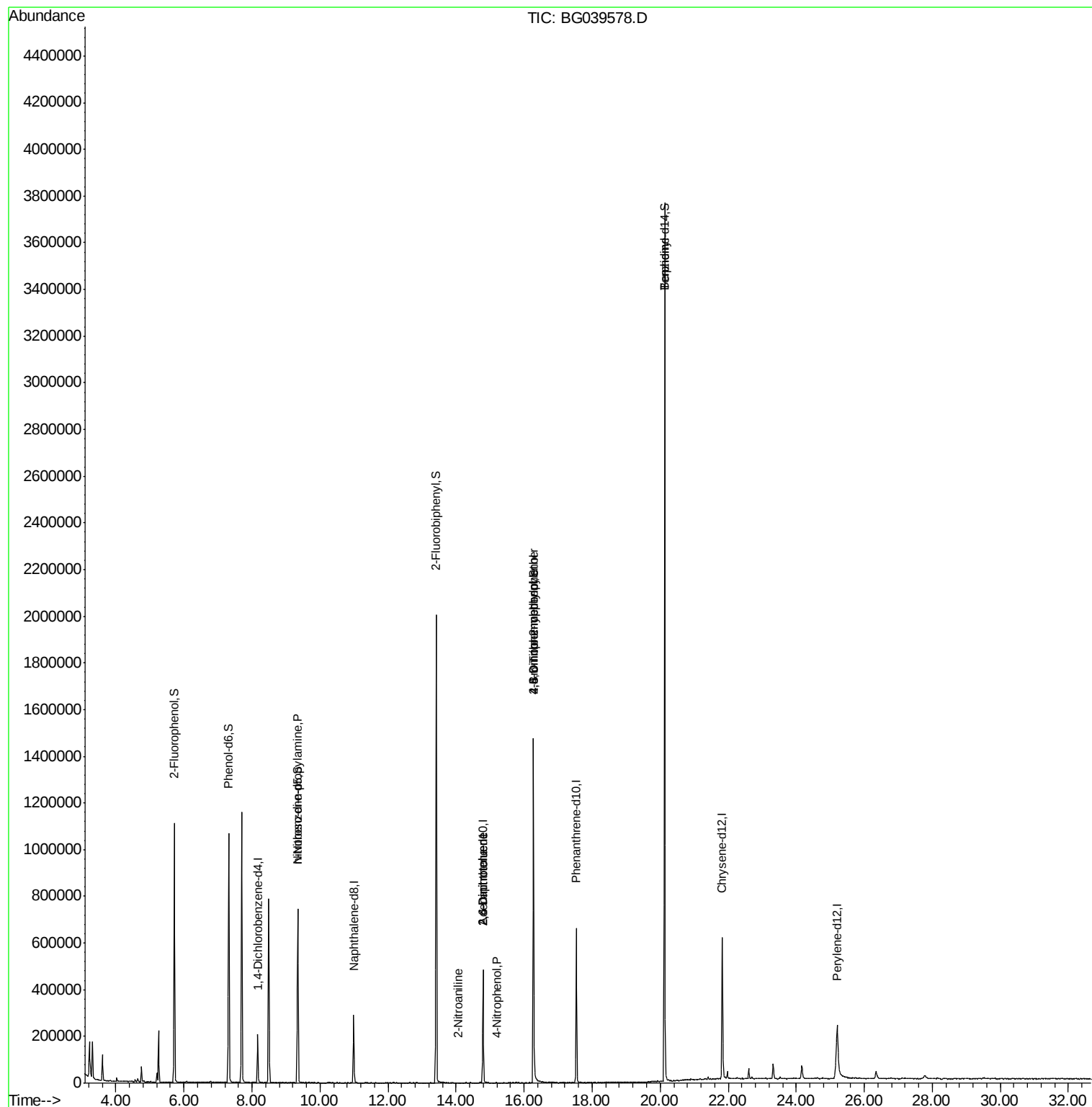
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57036	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	249681	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	171140	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	419261	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	416606	20.00	ng	-0.02
87) Perylene-d12	25.21	264	350348	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	460016	138.04	ng	0.00
7) Phenol-d6	7.32	99	620609	126.52	ng	0.00
23) Nitrobenzene-d5	9.34	82	441288	110.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	273123	148.20	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1055208	88.45	ng	-0.02
79) Terphenyl-d14	20.13	244	1681477	85.43	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	1116	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	58987	16.942 ng	#	4
48) 2-Nitroaniline	14.05	65	61	8.313 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	21290	13.674 ng	#	23
56) 4-Nitrophenol	15.19	139	61	5.816 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	21290	13.210 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	1057	4.983 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	21550	4.633 ng	#	1
77) Benzydine	20.13	184	30212	2.212 ng	#	94

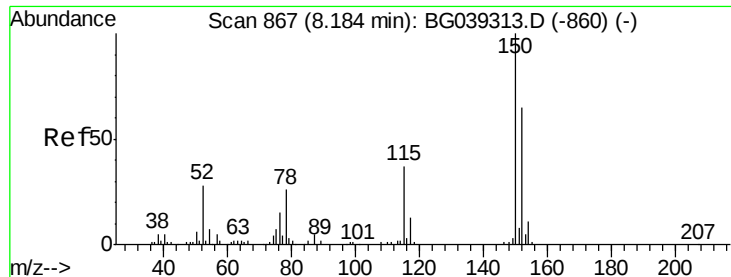
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
Data File : BG039578.D
Acq On : 21 Feb 2019 19:28
Operator : JU/SJ
Sample : K1344-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NB-08-022019-B

Quant Time: Feb 21 22:04:42 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



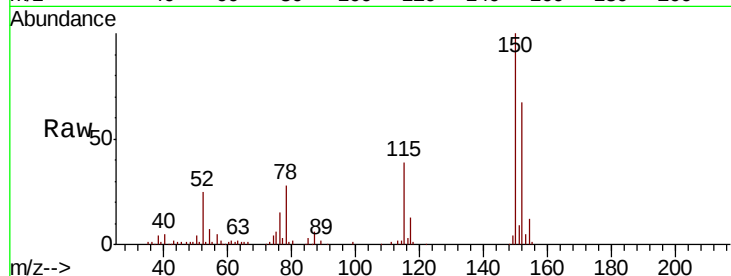


#1

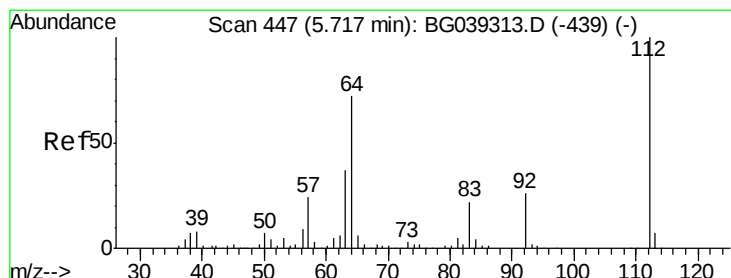
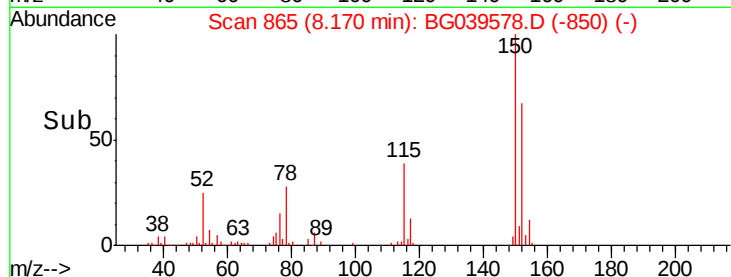
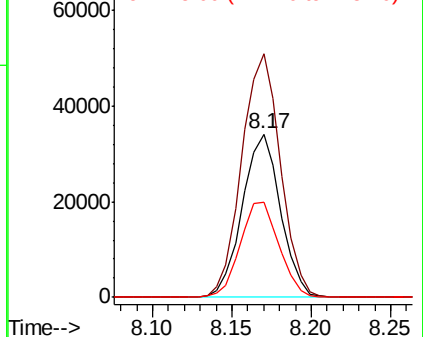
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Instrument :
BNA_G
ClientSampleId :
NB-08-022019-B

Tgt Ion:152 Resp: 57036
Ion Ratio Lower Upper
152 100
150 149.0 123.7 185.5
115 58.2 45.9 68.9



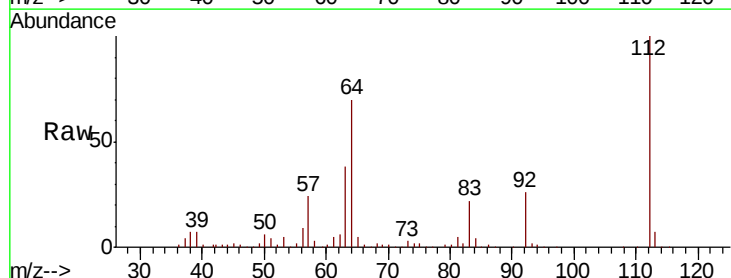
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



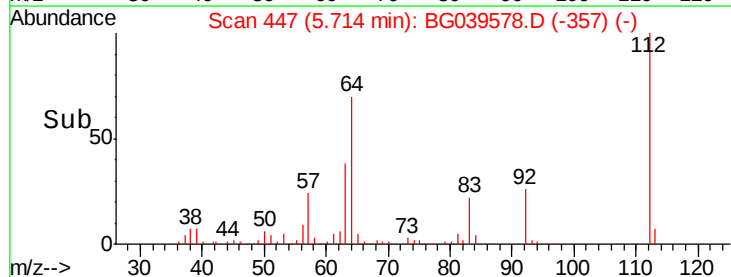
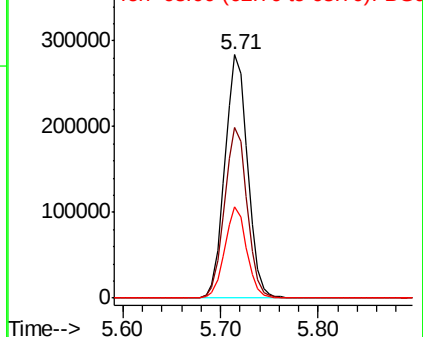
#5

2-Fluorophenol
Concen: 138.039 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Tgt Ion:112 Resp: 460016
Ion Ratio Lower Upper
112 100
64 70.0 57.8 86.8
63 37.8 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: 126.517 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-B

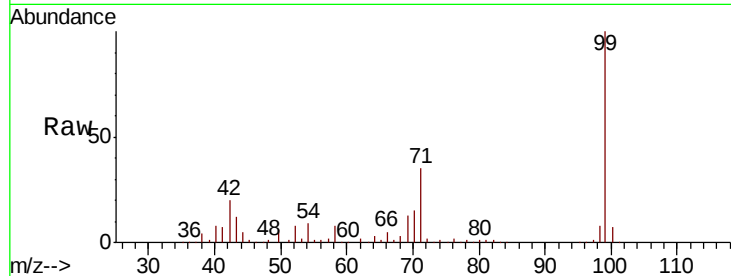
Tgt Ion: 99 Resp: 620609

Ion Ratio Lower Upper

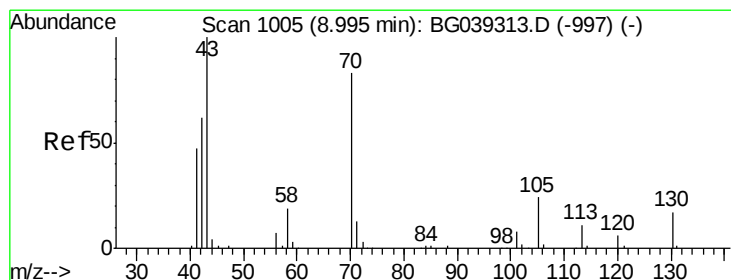
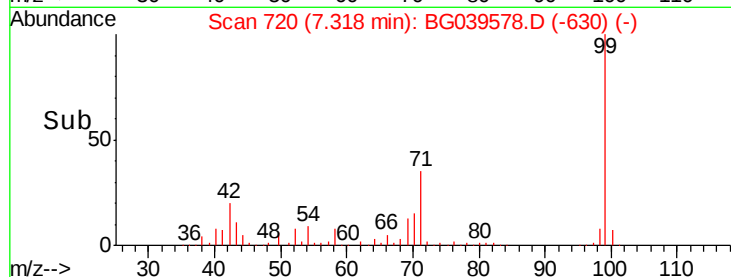
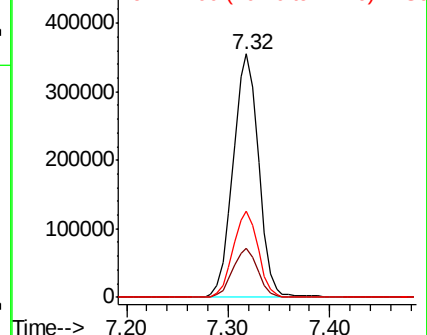
99 100

42 20.2 18.2 27.2

71 35.2 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: 16.942 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Tgt Ion: 70 Resp: 58987

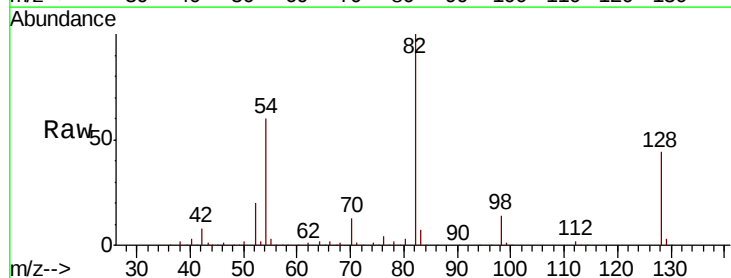
Ion Ratio Lower Upper

70 100

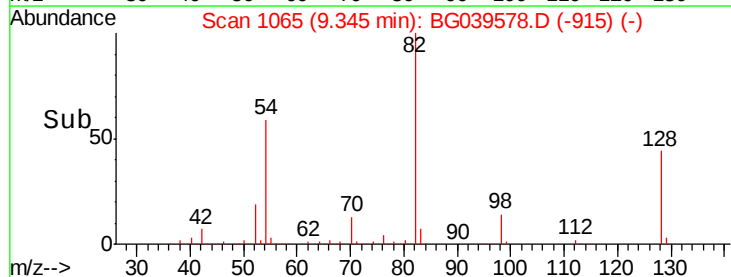
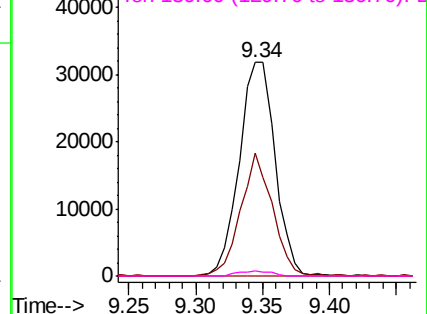
42 57.5 60.4 90.6#

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

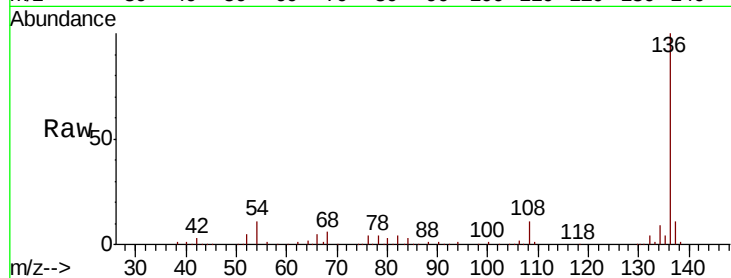




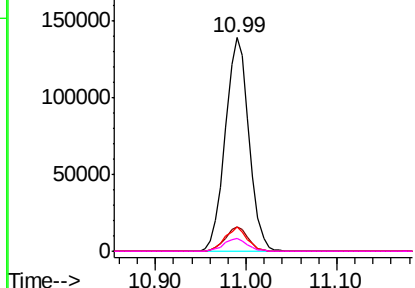
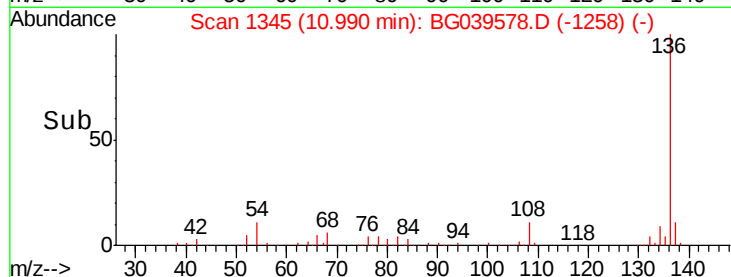
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Instrument :
BNA_G
ClientSampleId :
NB-08-022019-B

Tgt Ion:	136	Resp:	249681
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	11.3	9.4	14.2
68	5.7	4.2	6.4

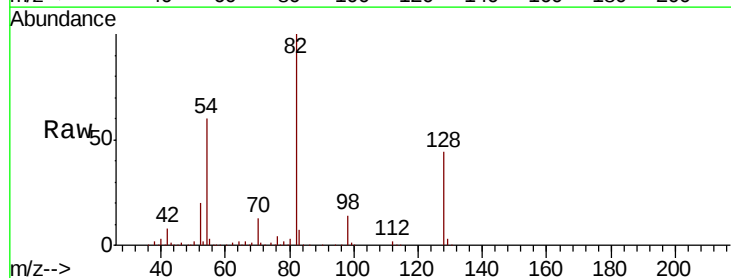


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

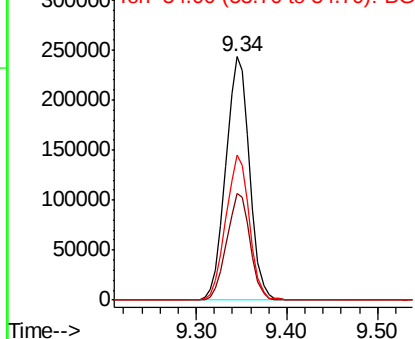
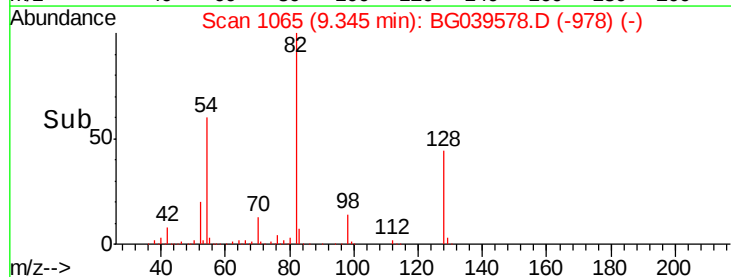


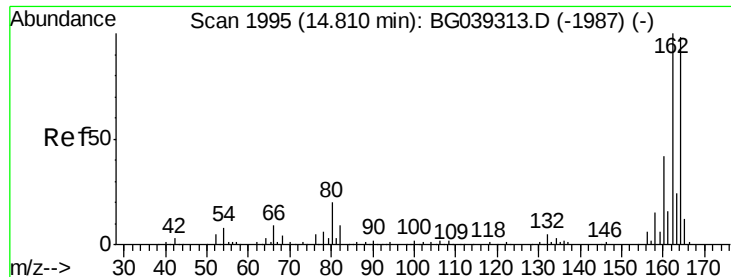
#23
Nitrobenzene-d5
Concen: 110.413 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Tgt Ion:	82	Resp:	441288
Ion	Ratio	Lower	Upper
82	100		
128	44.0	31.3	46.9
54	59.5	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-B

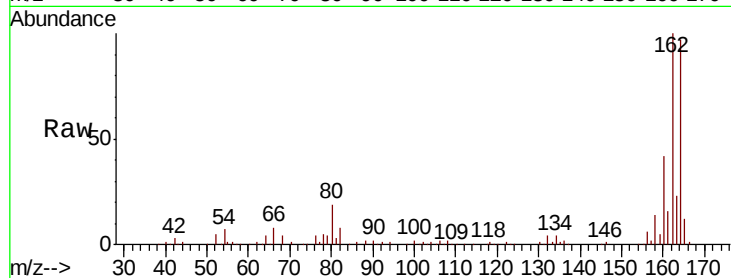
Tgt Ion:164 Resp: 171140

Ion Ratio Lower Upper

164 100

162 102.9 81.6 122.4

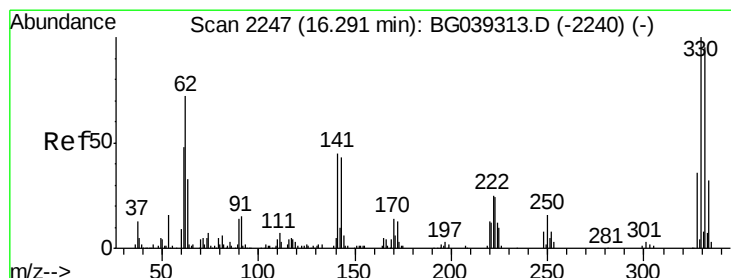
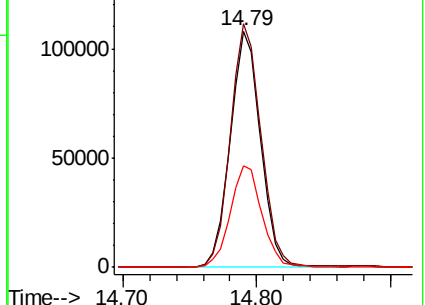
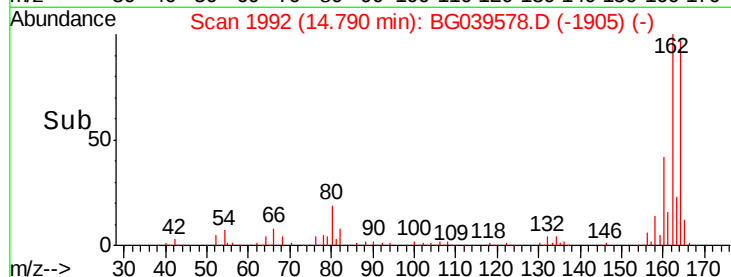
160 42.8 34.2 51.2



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: 148.204 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

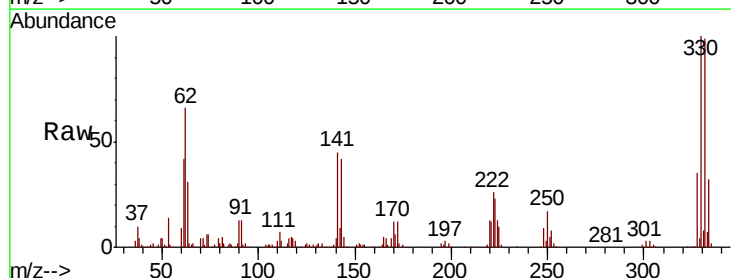
Tgt Ion:330 Resp: 273123

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

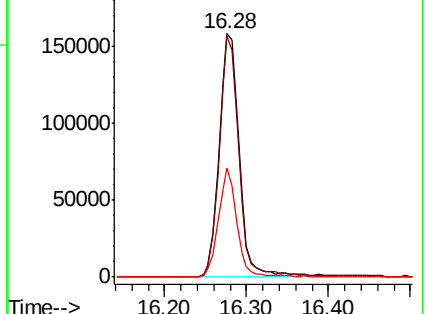
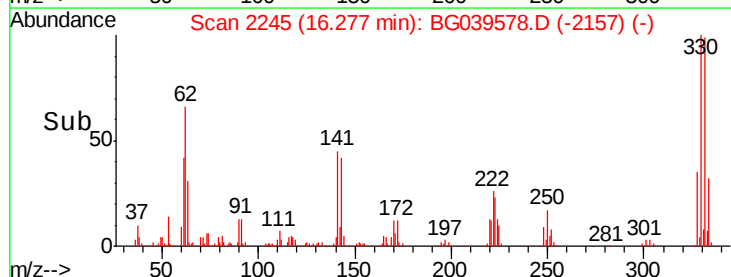
141 40.7 35.6 53.4



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

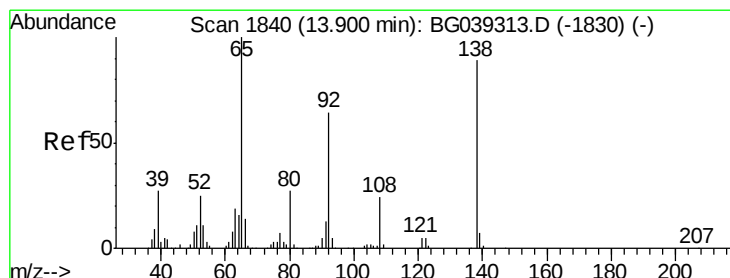
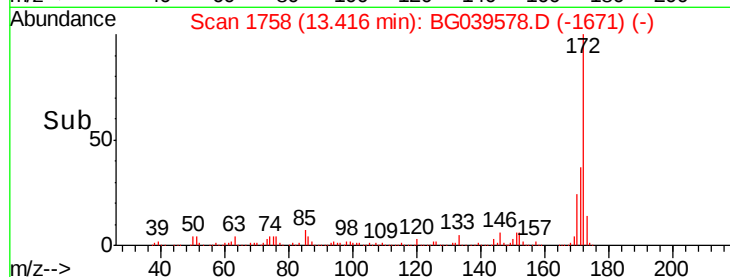
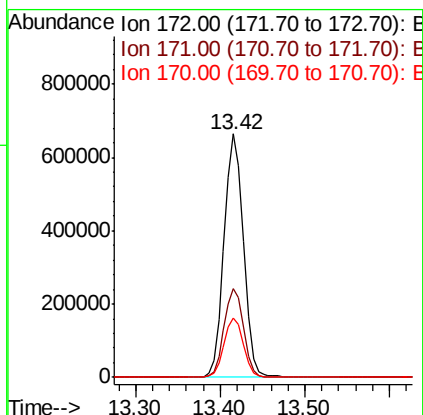
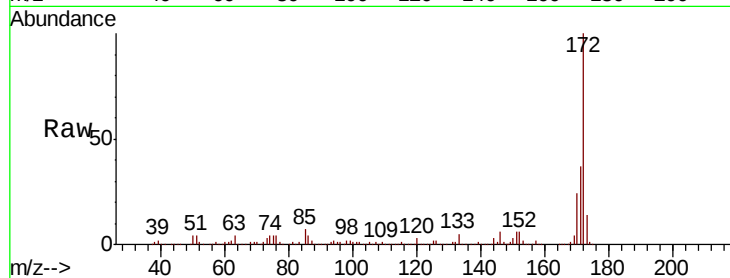




#45
2-Fluorobiphenyl
Concen: 88.451 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

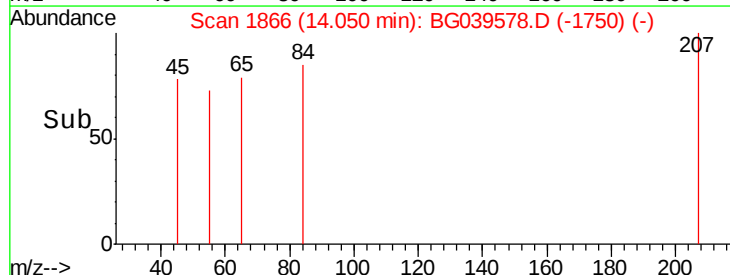
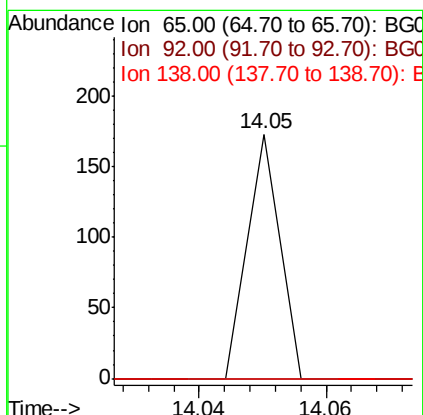
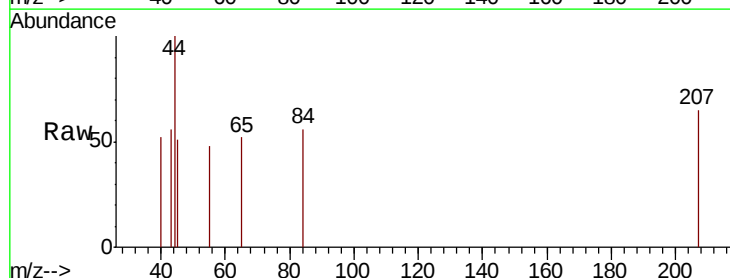
Instrument :
BNA_G
ClientSampleId :
NB-08-022019-B

Tgt Ion: 172 Resp: 1055208
Ion Ratio Lower Upper
172 100
171 36.7 30.8 46.2
170 24.5 20.2 30.4



#48
2-Nitroaniline
Concen: 8.313 ng
RT: 14.05 min Scan# 1866
Delta R.T. 0.15 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.674 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-B

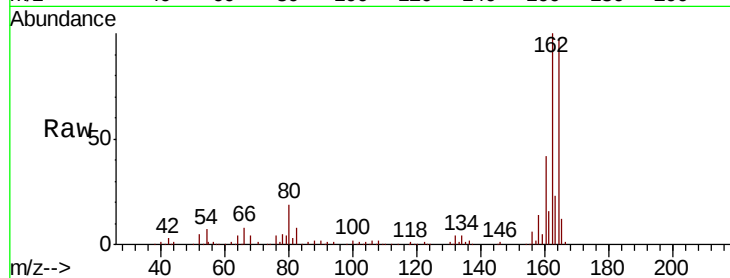
Tgt Ion:165 Resp: 21290

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

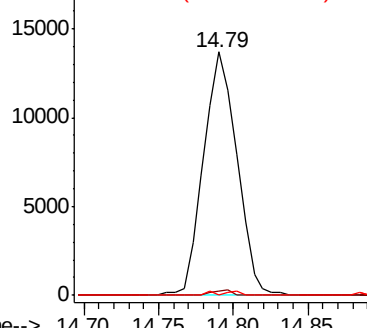
89 0.0 45.8 68.8#



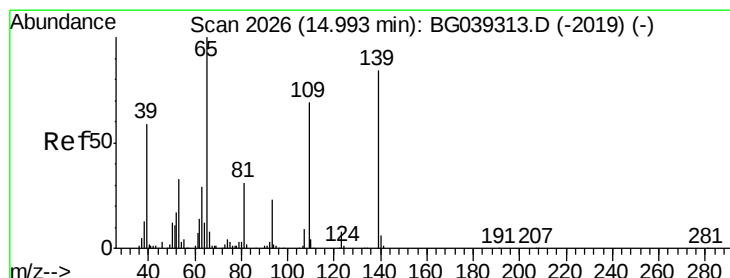
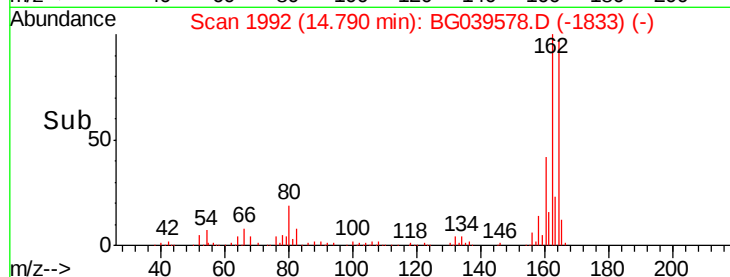
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.70 14.75 14.80 14.85



#56

4-Nitrophenol

Concen: 5.816 ng

RT: 15.19 min Scan# 2060

Delta R.T. 0.20 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

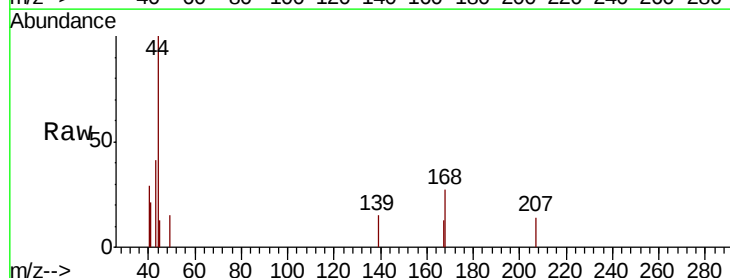
Tgt Ion:139 Resp: 61

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

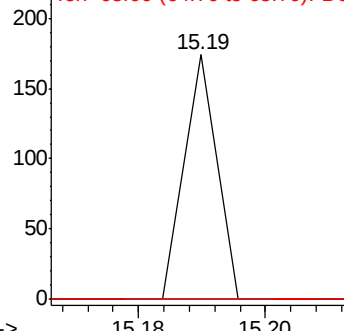
65 0.0 99.1 139.1#



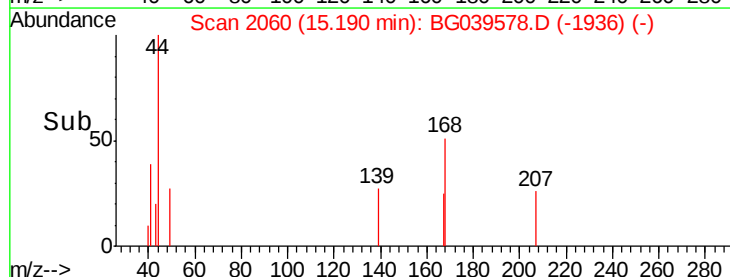
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time--> 15.18 15.20





#57

2,4-Dinitrotoluene

Concen: 13.210 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-B

Tgt Ion:165 Resp: 21290

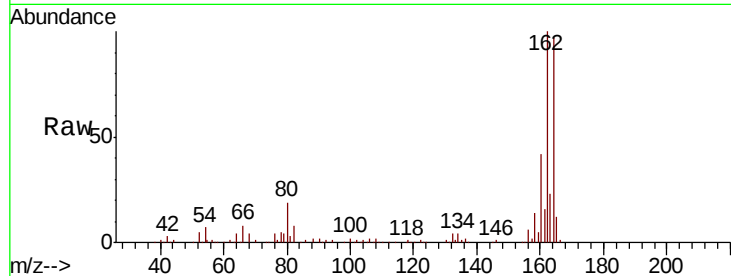
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

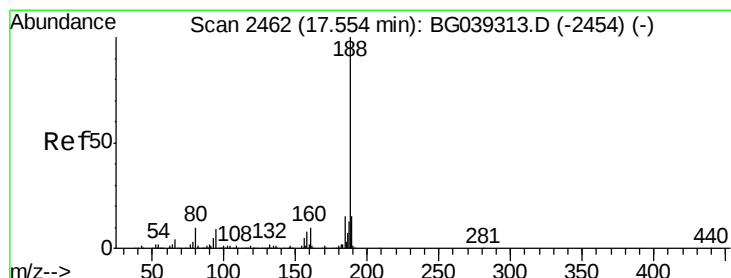
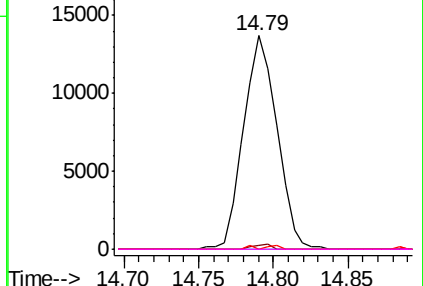
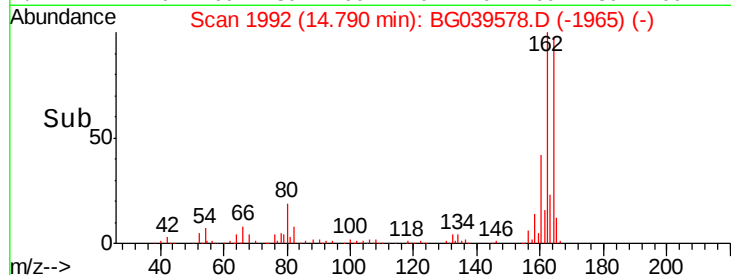


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

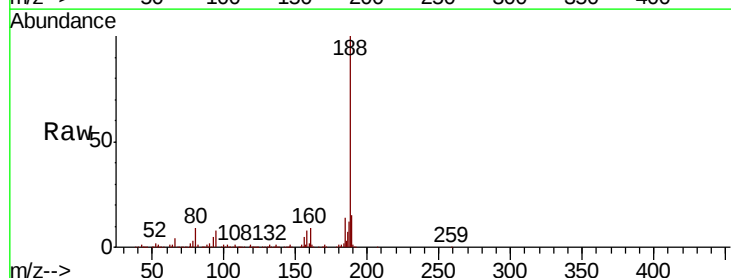
Tgt Ion:188 Resp: 419261

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

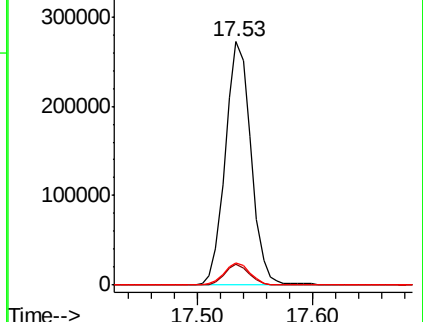
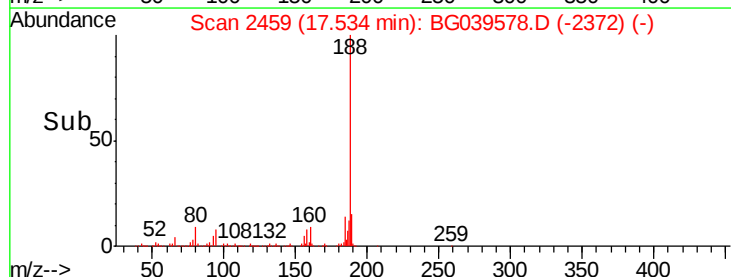
80 9.3 8.1 12.1

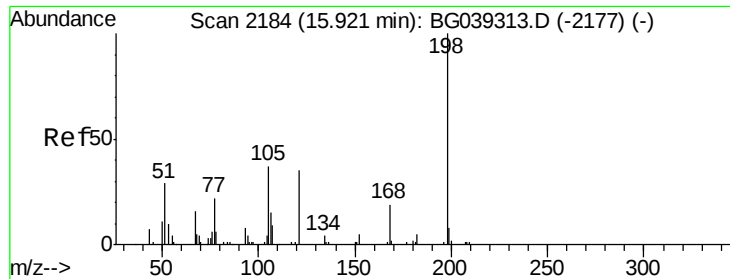


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

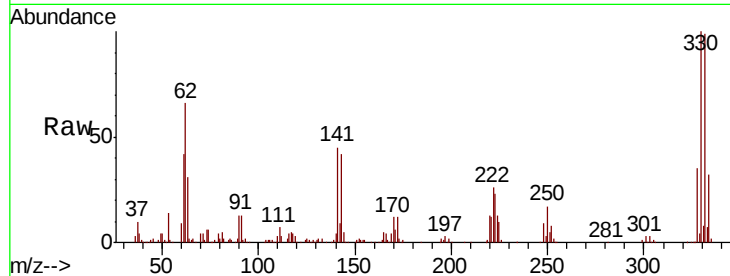




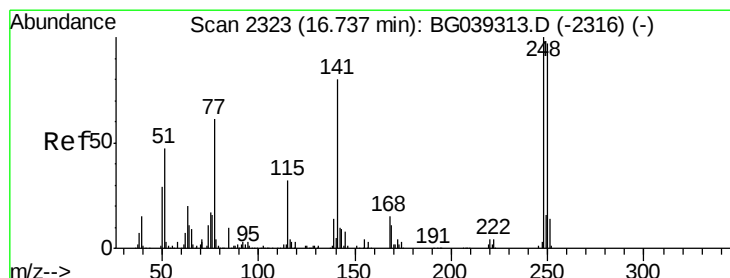
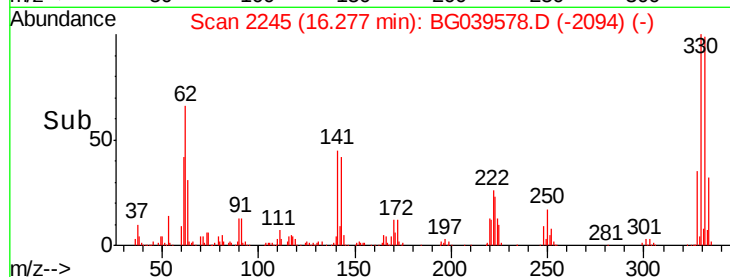
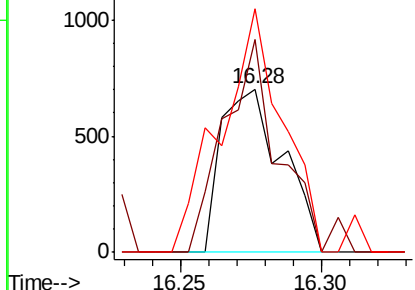
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.983 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039578.D
 Acq: 21 Feb 2019 19:28

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-022019-B

Tgt Ion:198 Resp: 1057
 Ion Ratio Lower Upper
 198 100
 51 130.1 27.4 67.4#
 105 148.9 19.7 59.7#

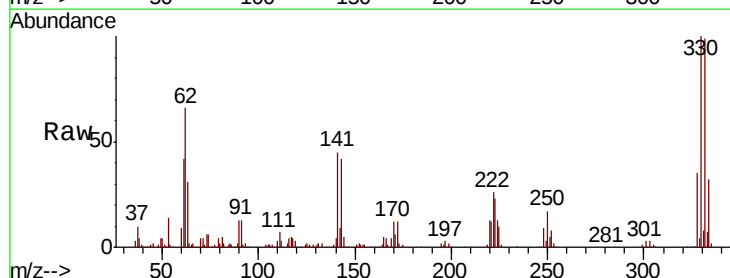


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

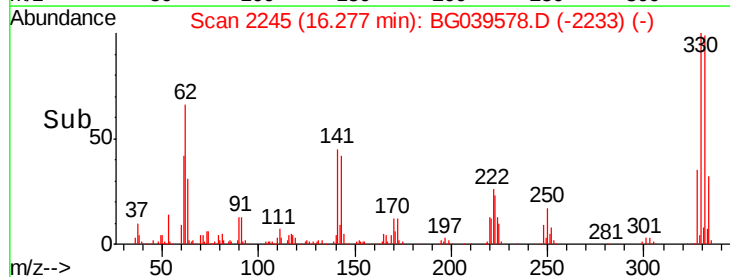
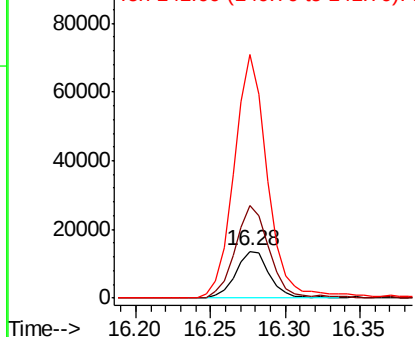


#67
 4-Bromophenyl-phenylether
 Concen: 4.633 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039578.D
 Acq: 21 Feb 2019 19:28

Tgt Ion:248 Resp: 21550
 Ion Ratio Lower Upper
 248 100
 250 197.0 77.6 116.4#
 141 518.3 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

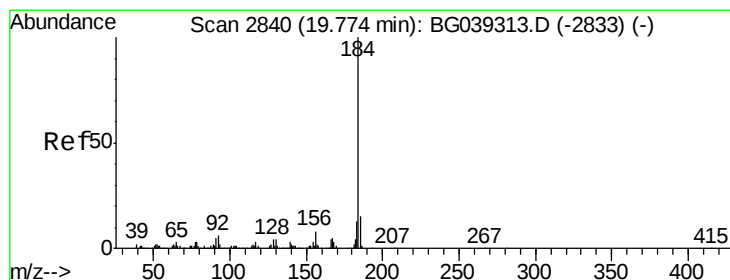
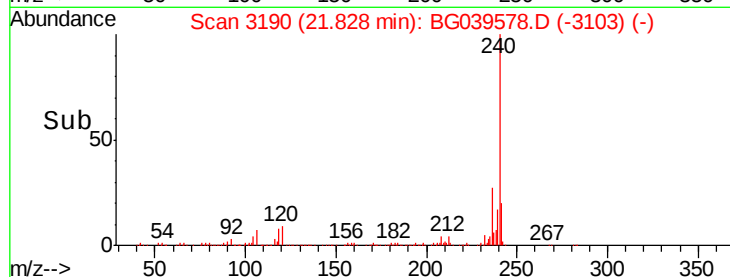
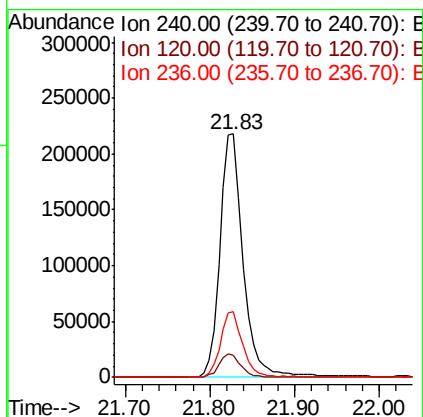
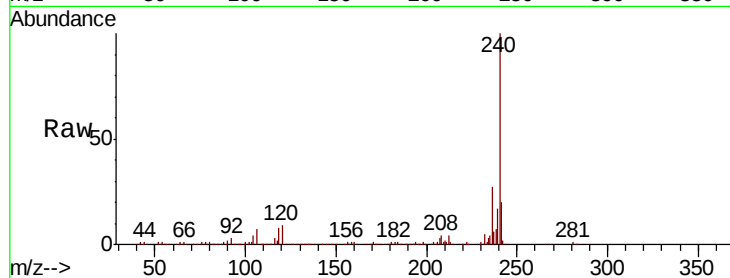




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

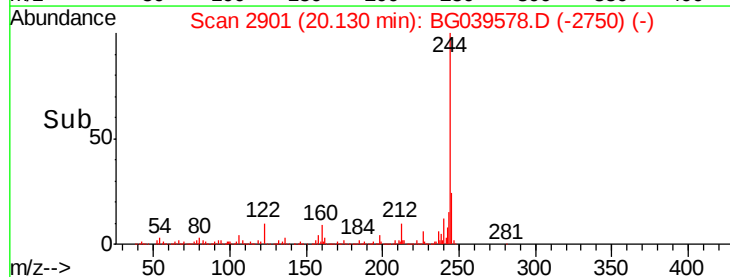
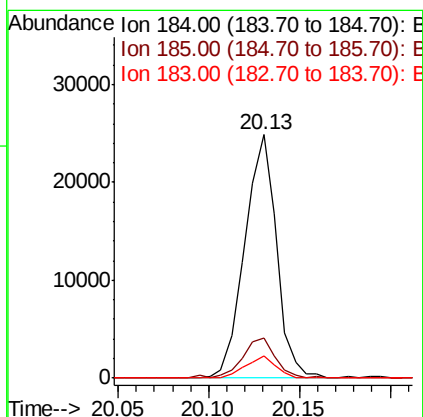
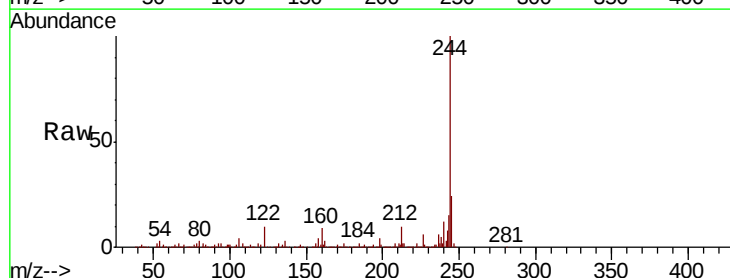
Instrument :
BNA_G
ClientSampleId :
NB-08-022019-B

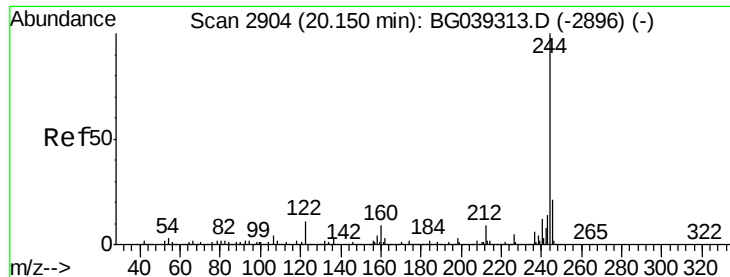
Tgt Ion:240 Resp: 416606
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 27.0 21.0 31.4



#77
Benzidine
Concen: 2.212 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039578.D
Acq: 21 Feb 2019 19:28

Tgt Ion:184 Resp: 30212
Ion Ratio Lower Upper
184 100
185 16.7 12.2 18.2
183 9.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.432 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-B

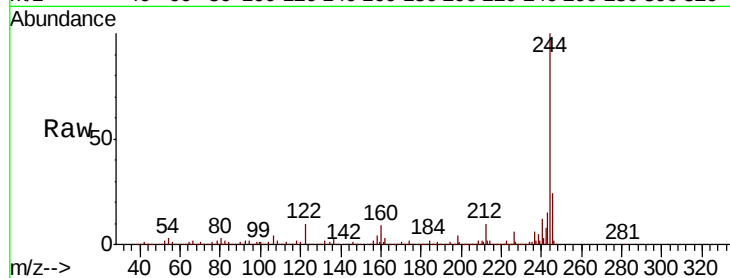
Tgt Ion:244 Resp: 1681477

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

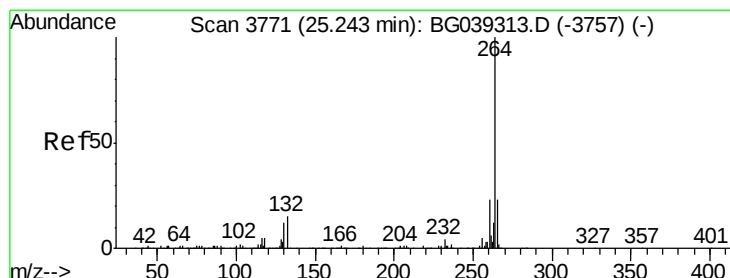
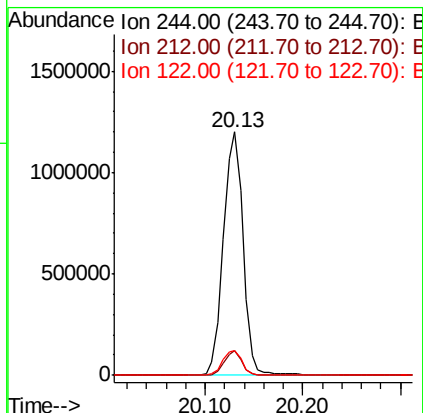
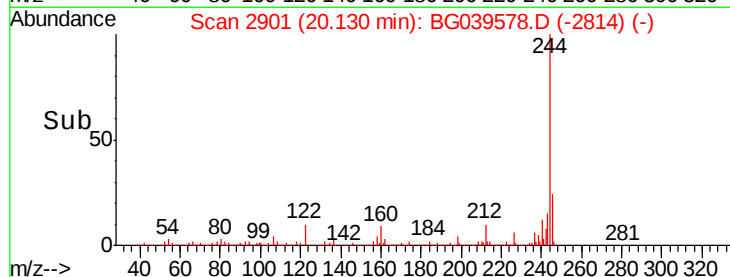
122 10.2 8.4 12.6



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: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039578.D

Acq: 21 Feb 2019 19:28

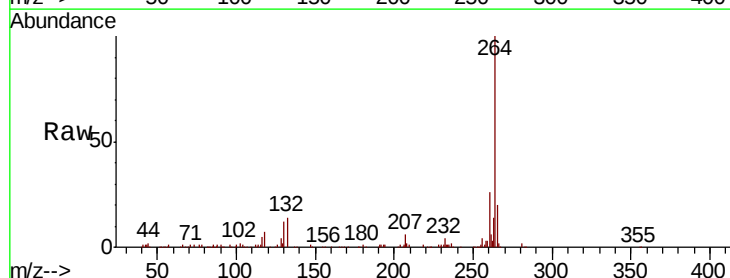
Tgt Ion:264 Resp: 350348

Ion Ratio Lower Upper

264 100

260 26.0 18.2 27.4

265 19.8 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

