

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039579.D
 Acq On : 21 Feb 2019 20:07
 Operator : JU/SJ
 Sample : K1344-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-022019-A

Quant Time: Feb 21 22:04:54 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

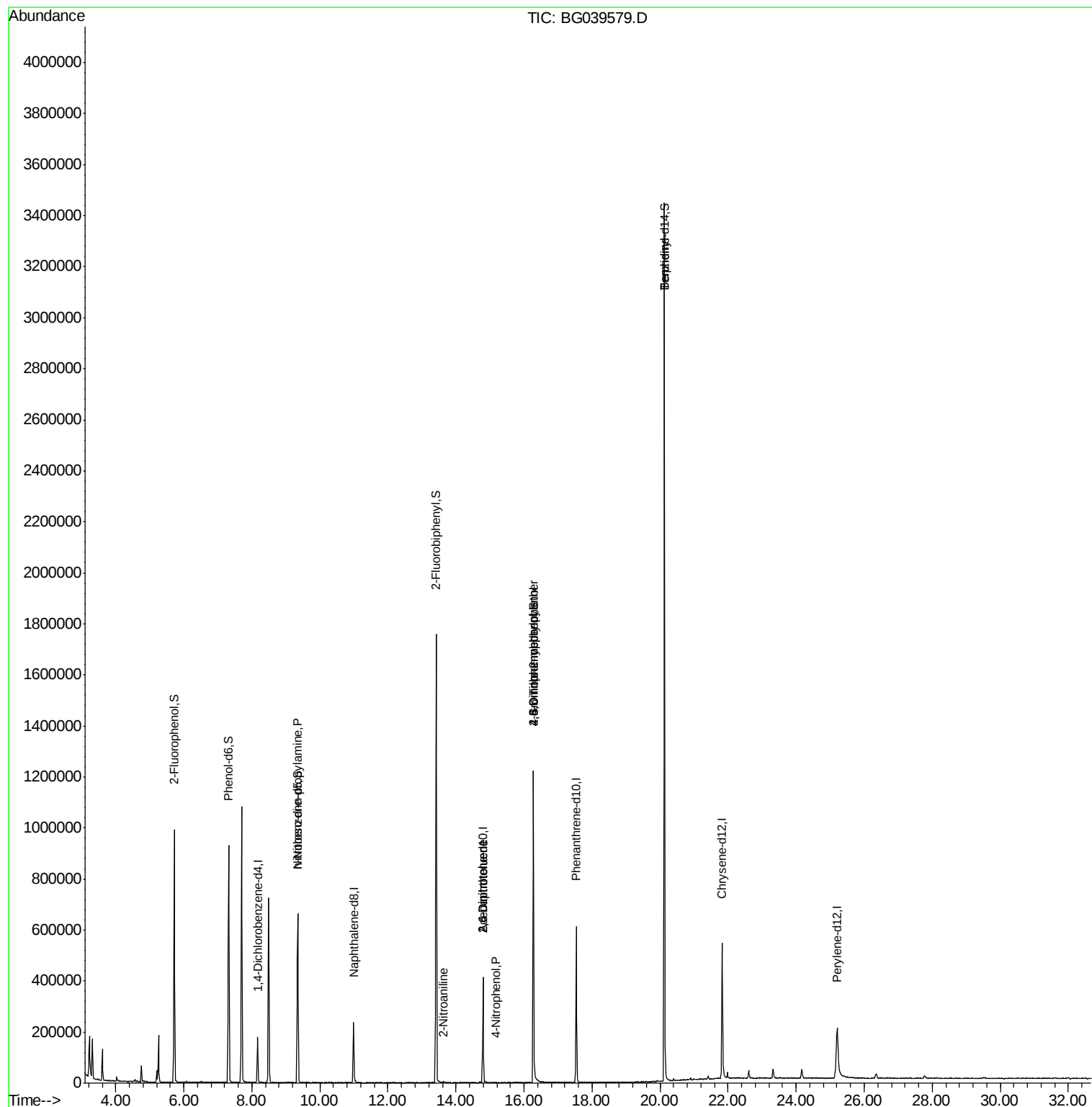
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	48914	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	219611	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	152442	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	371670	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	378865	20.00	ng	-0.02
87) Perylene-d12	25.21	264	316729	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	418381	146.39	ng	0.00
7) Phenol-d6	7.31	99	550631	130.89	ng	0.00
23) Nitrobenzene-d5	9.35	82	407244	115.85	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	236737	144.22	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	955304	89.90	ng	-0.02
79) Terphenyl-d14	20.13	244	1610146	89.96	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	820	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	53884	18.047 ng	#	4
48) 2-Nitroaniline	13.63	65	76	8.319 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	19178	13.755 ng	#	22
56) 4-Nitrophenol	15.19	139	570	6.031 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	19178	13.271 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.28	198	789	4.856 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	17322	4.201 ng	#	1
77) Benzidine	20.13	184	29126	2.345 ng	#	95

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

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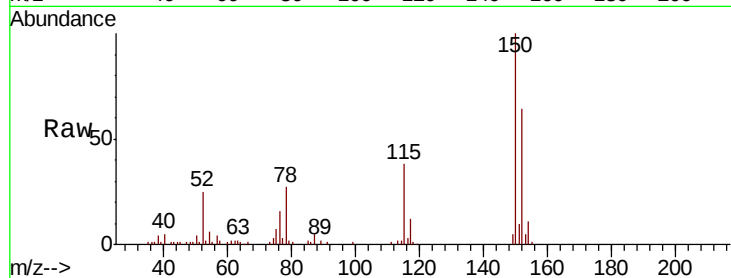


#1

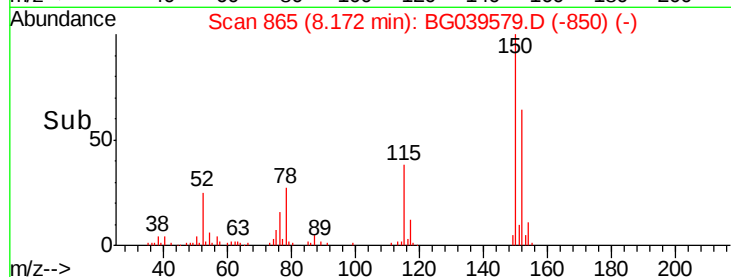
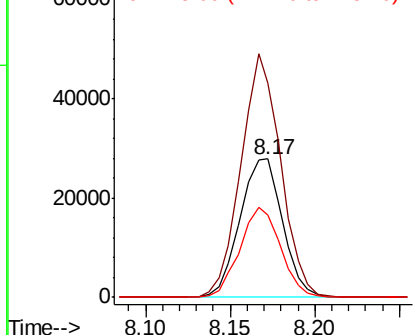
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039579.D
Acq: 21 Feb 2019 20:07

Instrument :
BNA_G
ClientSampleId :
NB-07-022019-A

Tgt Ion:152 Resp: 48914
Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 59.6 45.9 68.9



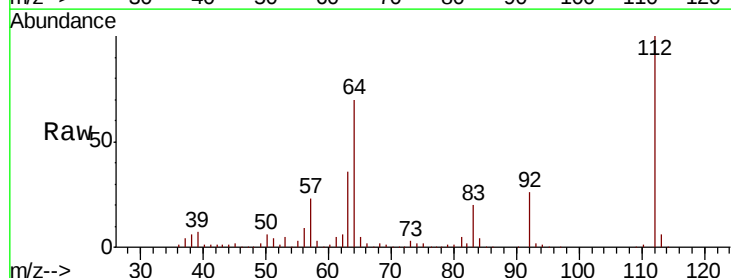
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



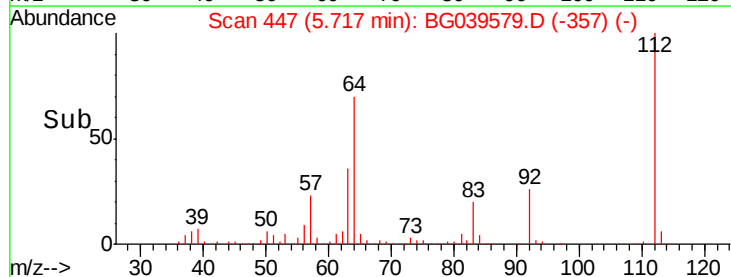
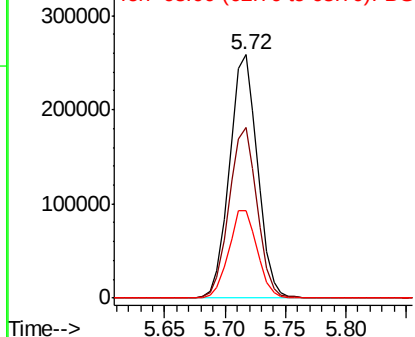
#5

2-Fluorophenol
Concen: 146.392 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039579.D
Acq: 21 Feb 2019 20:07

Tgt Ion:112 Resp: 418381
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 35.9 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: 130.890 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Instrument :

BNA_G

ClientSampleId :

NB-07-022019-A

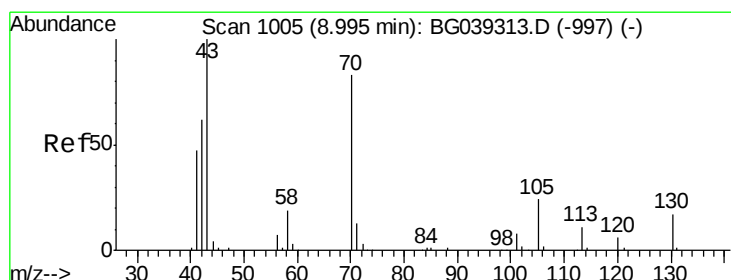
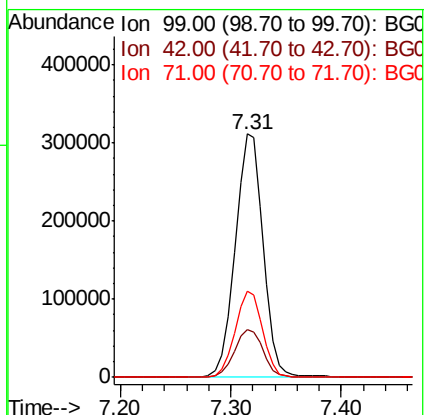
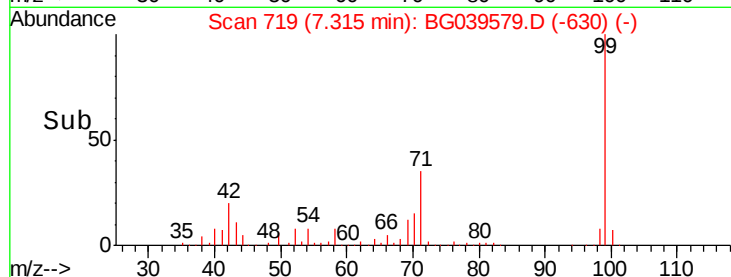
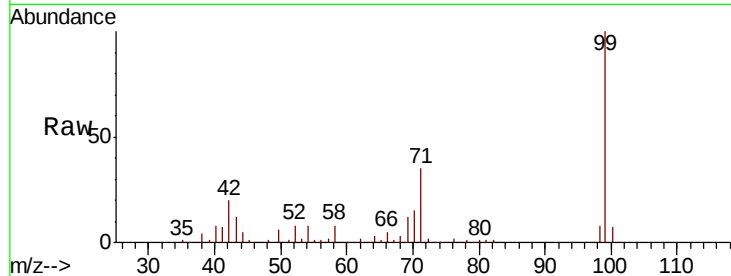
Tgt Ion: 99 Resp: 550631

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

71 35.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.047 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Tgt Ion: 70 Resp: 53884

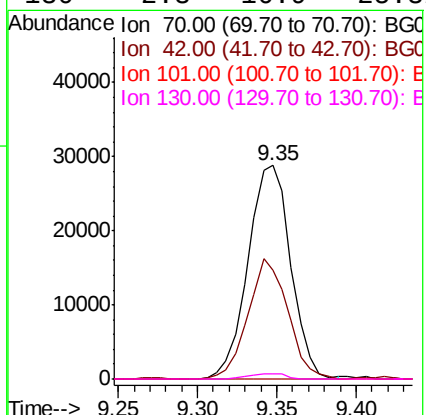
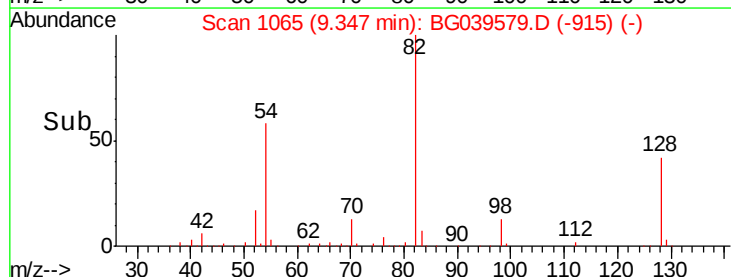
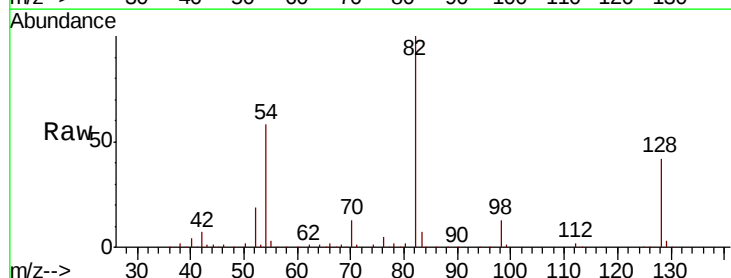
Ion Ratio Lower Upper

70 100

42 51.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#

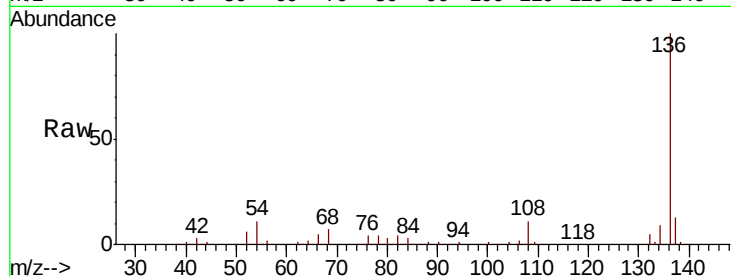




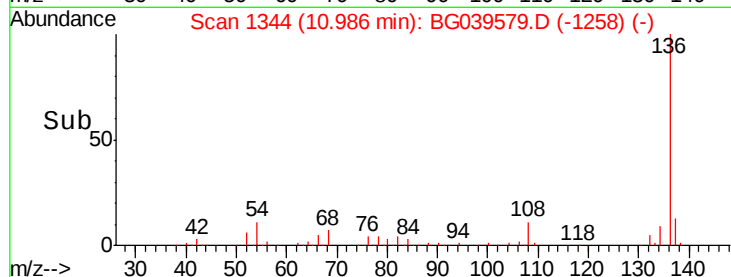
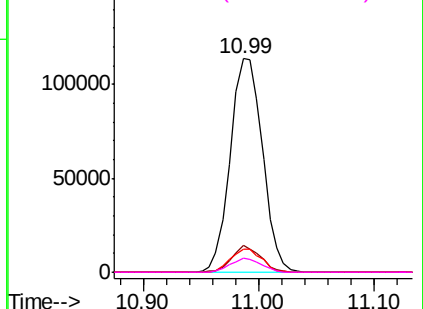
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039579.D
Acq: 21 Feb 2019 20:07

Instrument :
BNA_G
ClientSampleId :
NB-07-022019-A

Tgt Ion:	136	Resp:	219611
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.1	13.7
54	10.6	9.4	14.2
68	6.8	4.2	6.4#

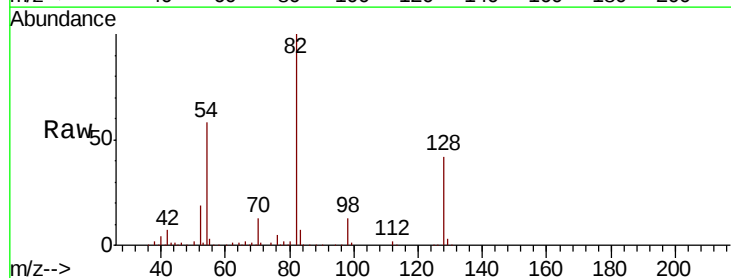


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

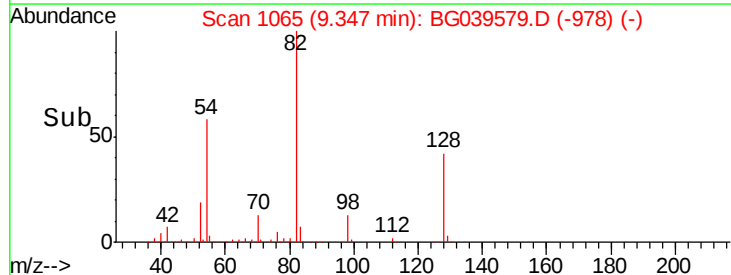
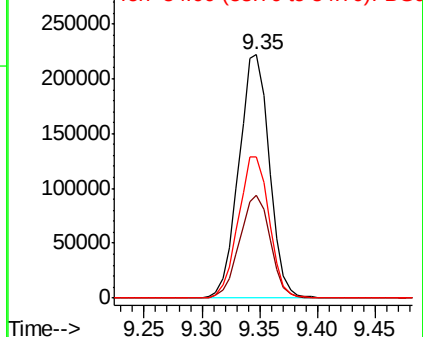


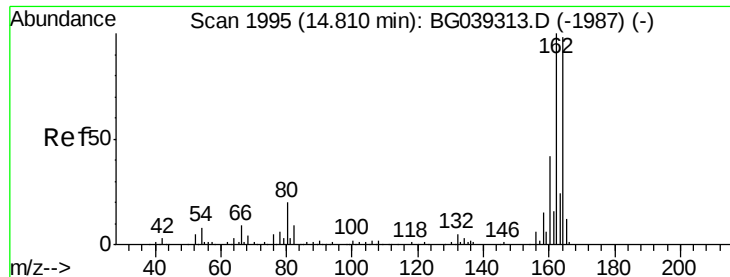
#23
Nitrobenzene-d5
Concen: 115.847 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039579.D
Acq: 21 Feb 2019 20:07

Tgt Ion:	82	Resp:	407244
Ion	Ratio	Lower	Upper
82	100		
128	42.0	31.3	46.9
54	58.1	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# 1992

Delta R.T. -0.02 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Instrument :

BNA_G

ClientSampleId :

NB-07-022019-A

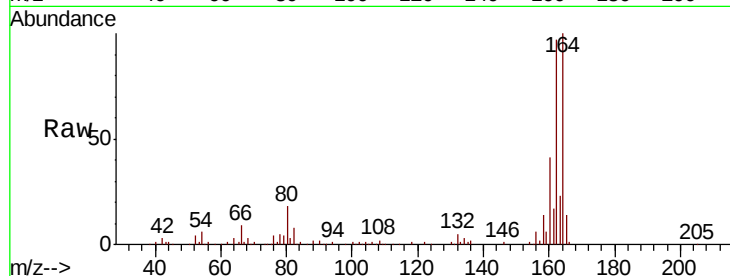
Tgt Ion:164 Resp: 152442

Ion Ratio Lower Upper

164 100

162 97.4 81.6 122.4

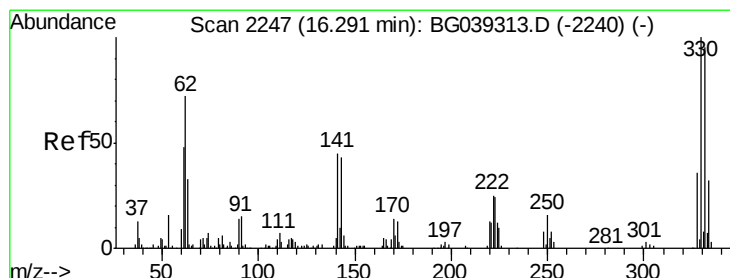
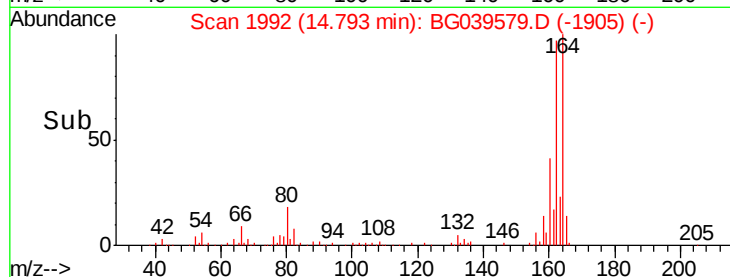
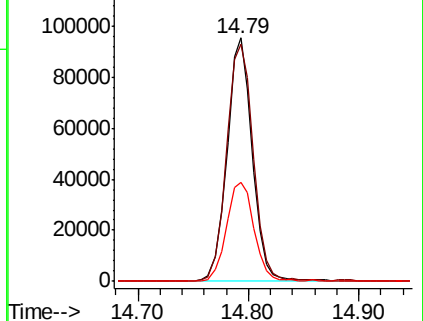
160 40.9 34.2 51.2



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: 144.216 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

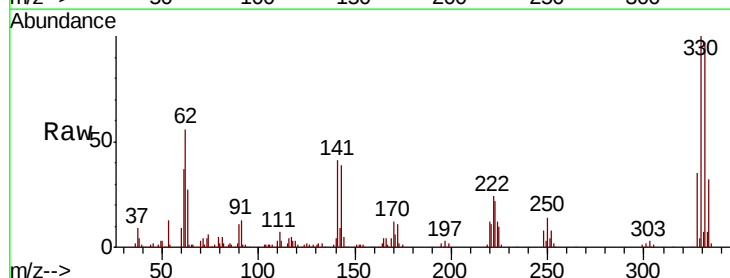
Tgt Ion:330 Resp: 236737

Ion Ratio Lower Upper

330 100

332 93.1 75.7 113.5

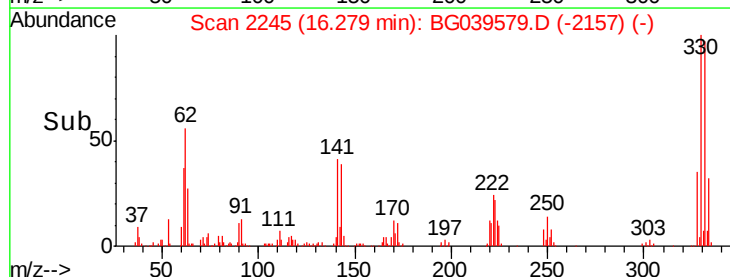
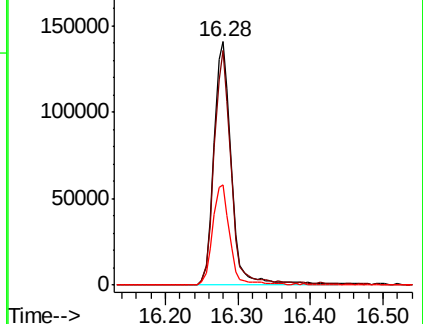
141 40.6 35.6 53.4



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

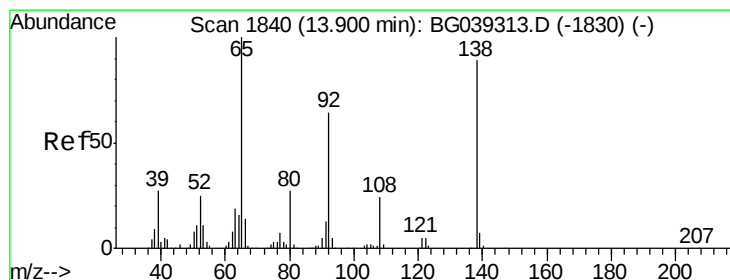
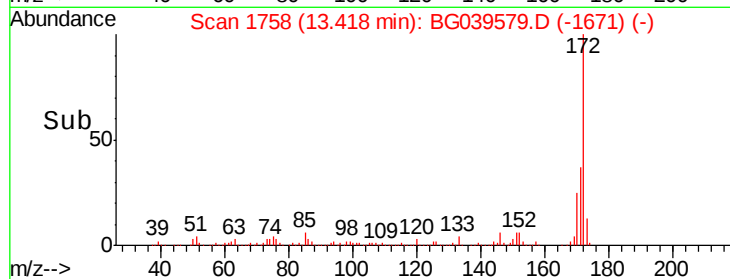
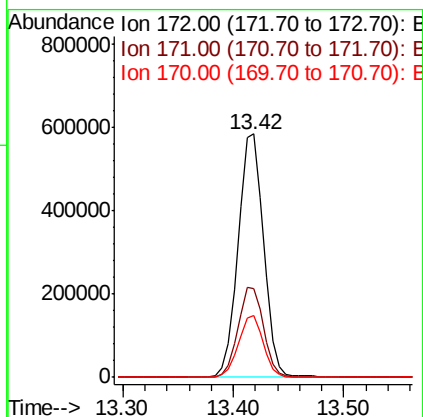
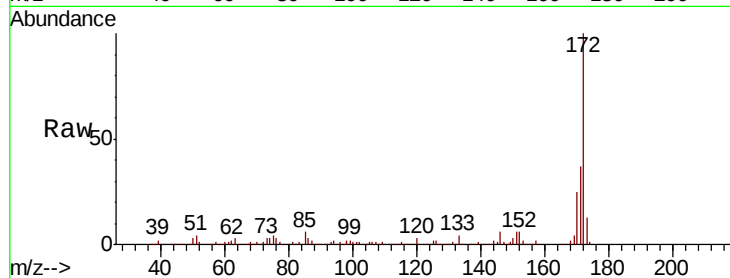




#45
 2-Fluorobiphenyl
 Concen: 89.899 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039579.D
 Acq: 21 Feb 2019 20:07

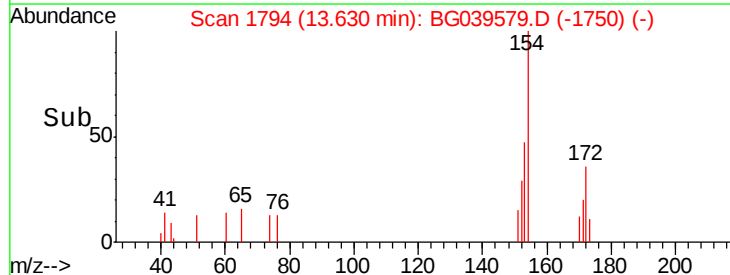
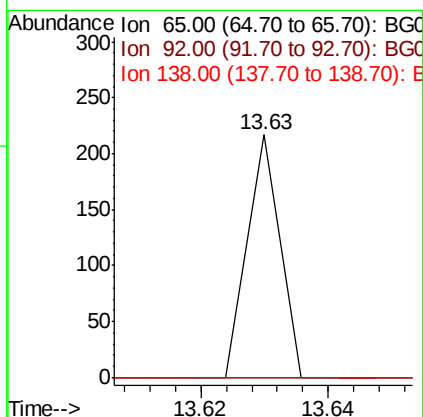
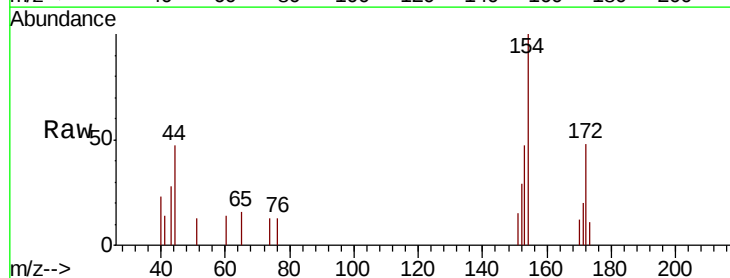
Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.8	46.2
170	25.3	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.319 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. -0.27 min
 Lab File: BG039579.D
 Acq: 21 Feb 2019 20:07

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

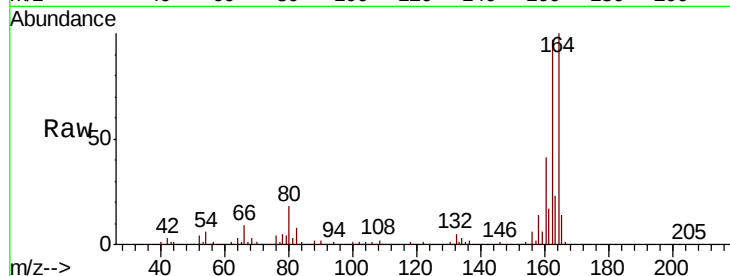




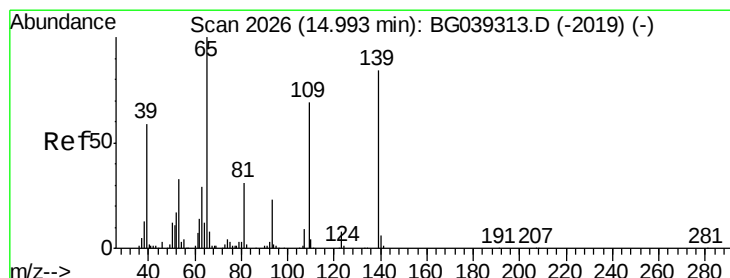
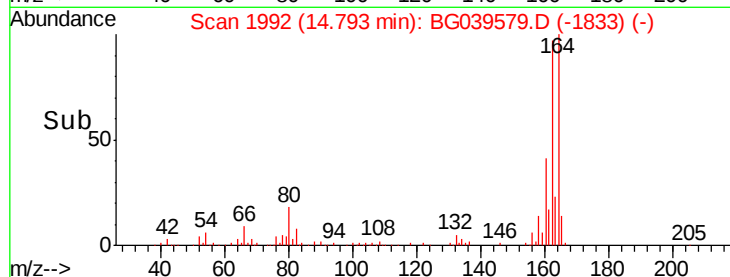
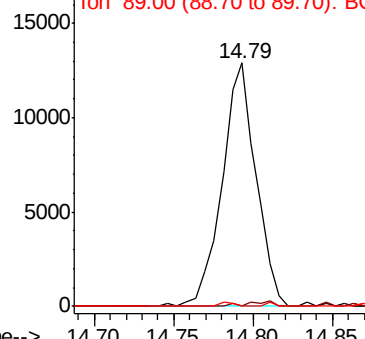
#51
 2,6-Dinitrotoluene
 Concen: 13.755 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039579.D
 Acq: 21 Feb 2019 20:07

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-022019-A

Tgt Ion:165 Resp: 19178
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

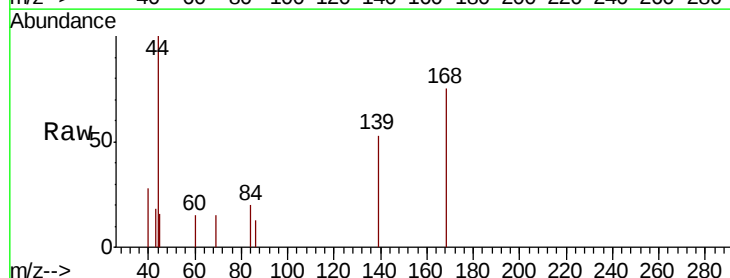


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

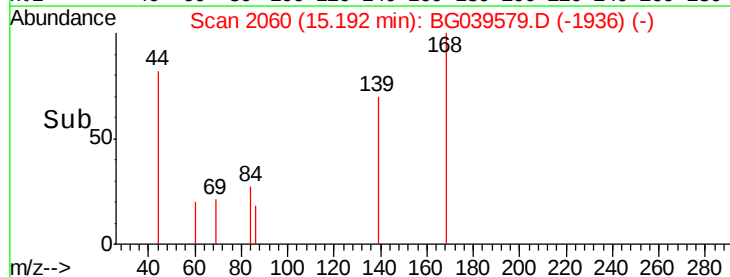
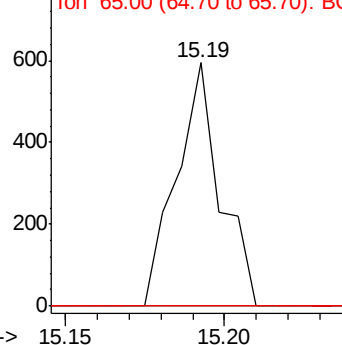


#56
 4-Nitrophenol
 Concen: 6.031 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.20 min
 Lab File: BG039579.D
 Acq: 21 Feb 2019 20:07

Tgt Ion:139 Resp: 570
 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





#57

2,4-Dinitrotoluene

Concen: 13.271 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Instrument :

BNA_G

ClientSampleId :

NB-07-022019-A

Tgt Ion:165 Resp: 19178

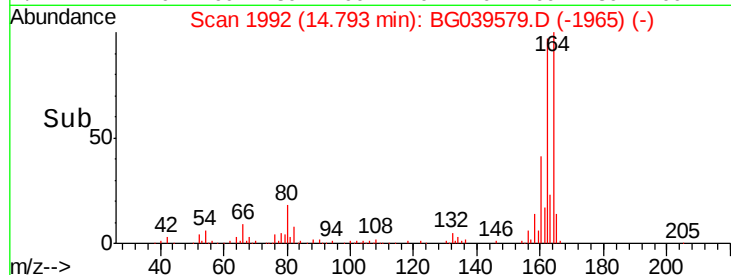
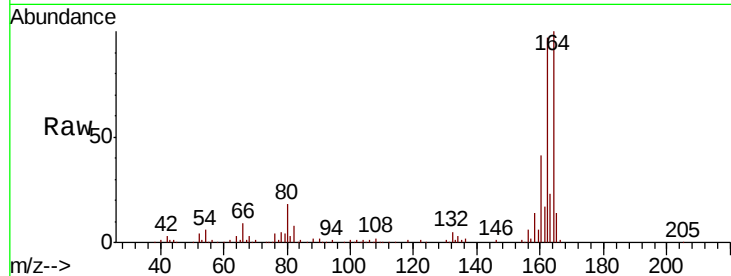
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

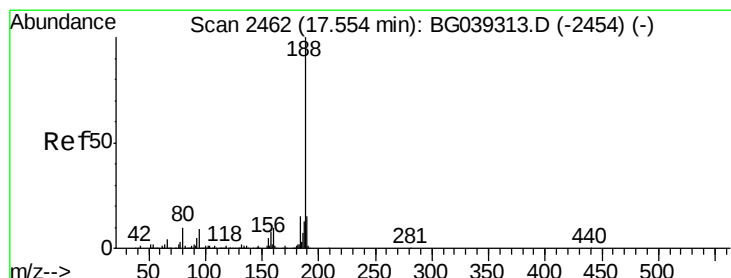
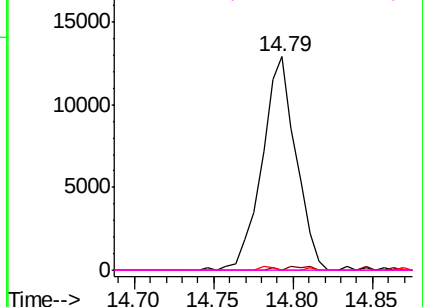


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

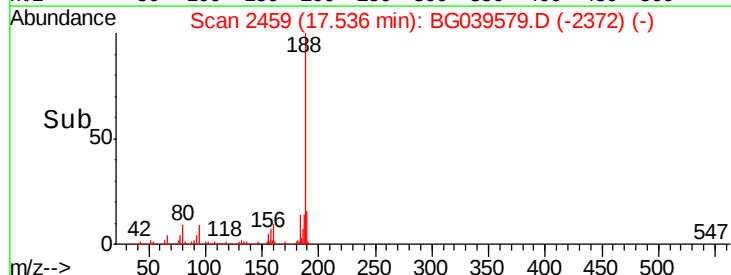
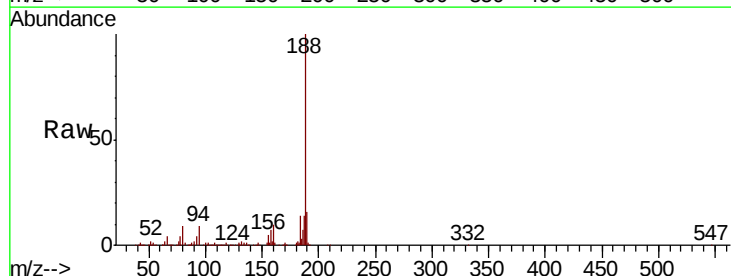
Tgt Ion:188 Resp: 371670

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

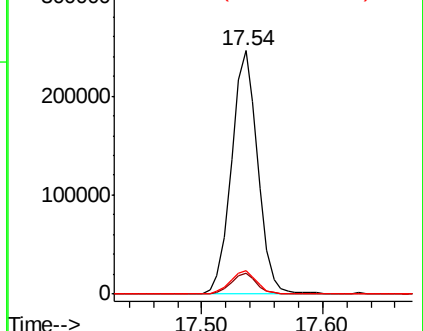
80 9.4 8.1 12.1

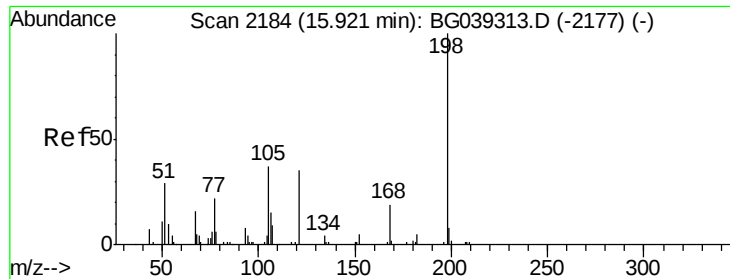


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.856 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

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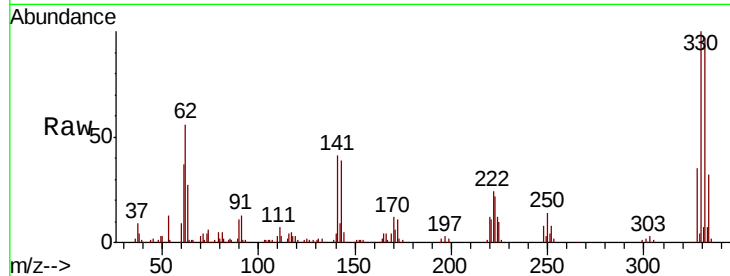
Tgt Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 105.4 27.4 67.4#

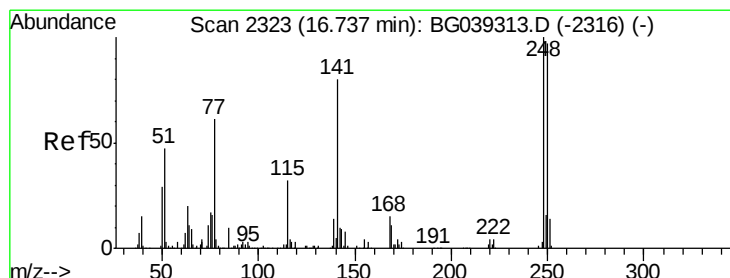
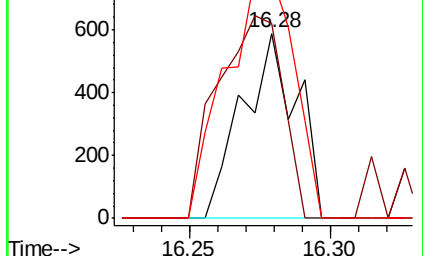
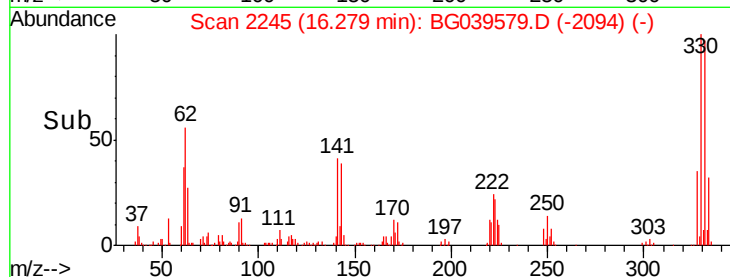
105 131.6 19.7 59.7#



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: 4.201 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

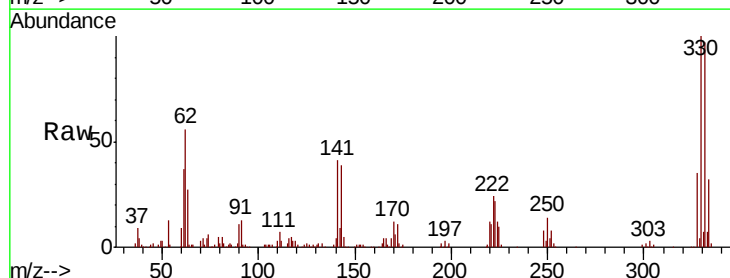
Tgt Ion:248 Resp: 17322

Ion Ratio Lower Upper

248 100

250 190.7 77.6 116.4#

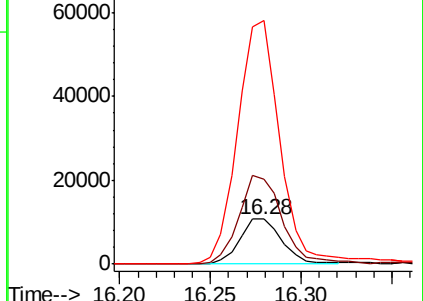
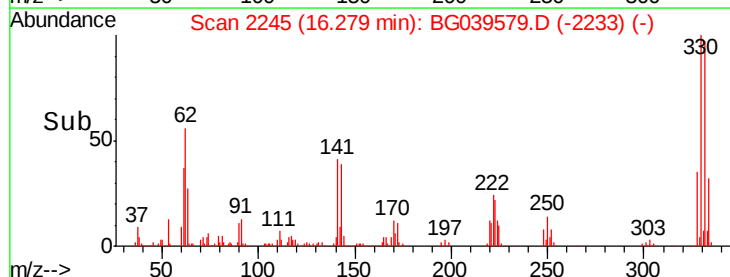
141 544.0 63.9 95.9#

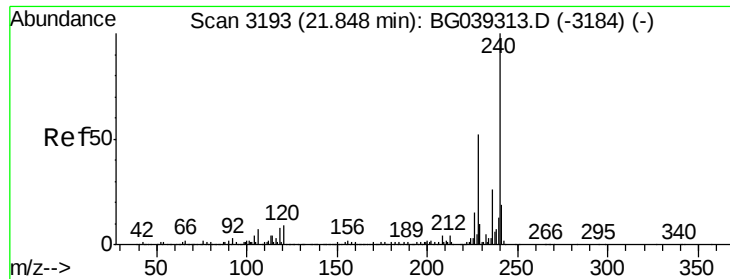


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3189

Delta R.T. -0.02 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Instrument :

BNA_G

ClientSampleId :

NB-07-022019-A

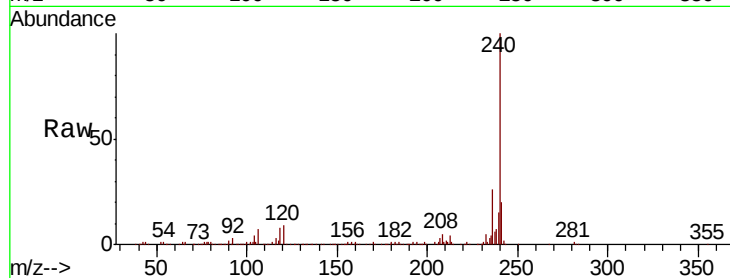
Tgt Ion:240 Resp: 378865

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

236 26.3 21.0 31.4

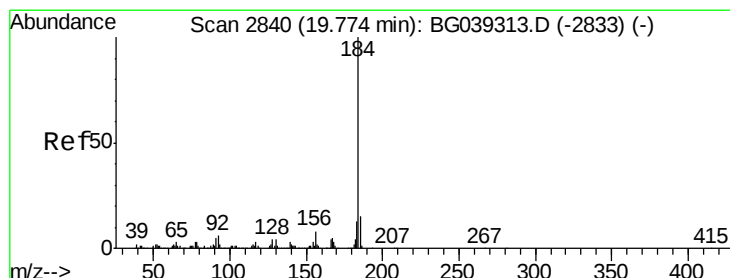
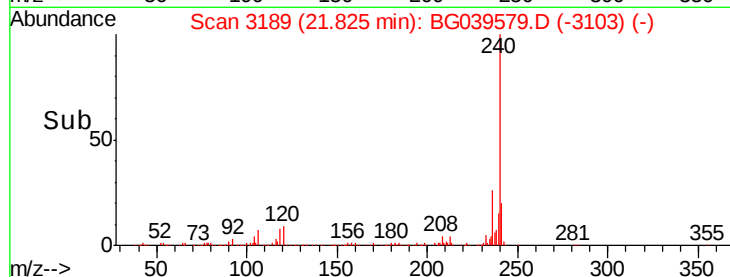
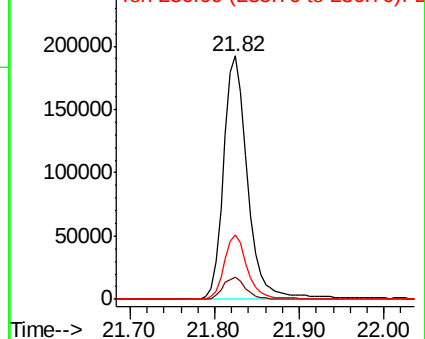


Abundance

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: 2.345 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

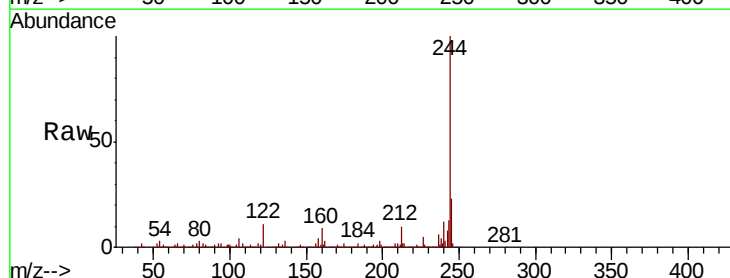
Tgt Ion:184 Resp: 29126

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

183 10.4 10.6 15.8#

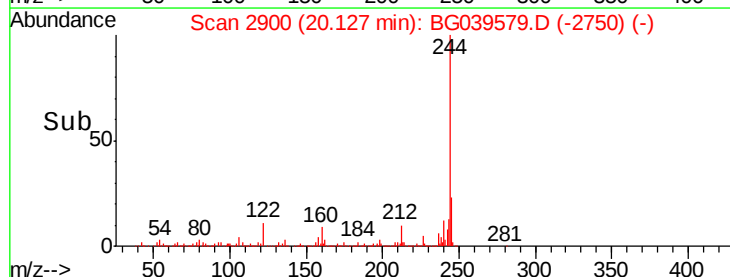
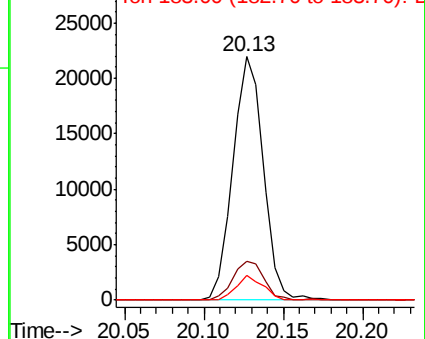


Abundance

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: 89.958 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039579.D

Acq: 21 Feb 2019 20:07

Instrument :

BNA_G

ClientSampleId :

NB-07-022019-A

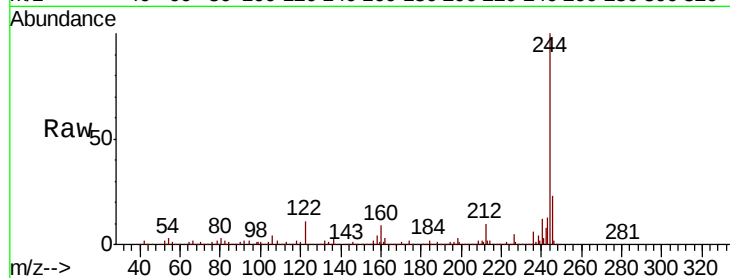
Tgt Ion:244 Resp: 1610146

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

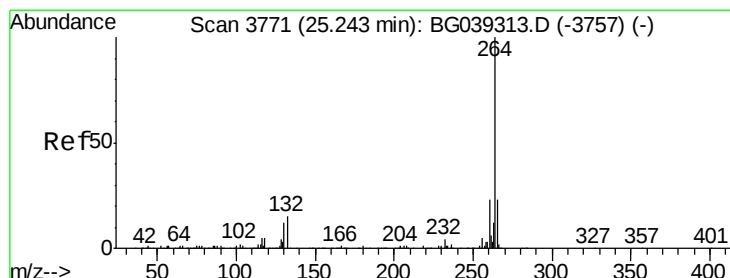
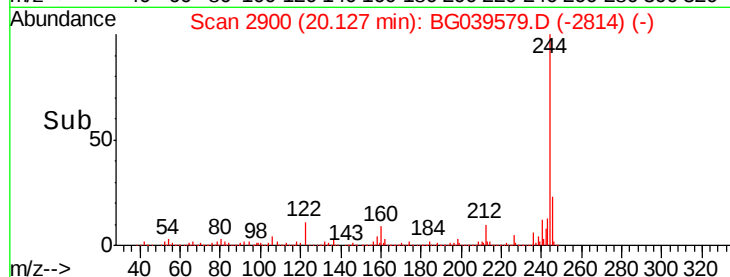
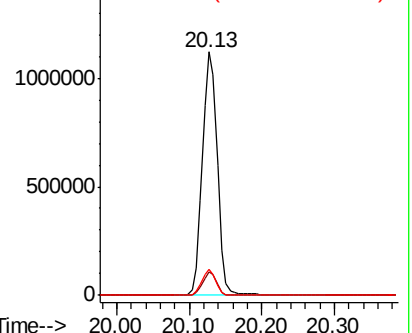
122 10.7 8.4 12.6



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: BG039579.D

Acq: 21 Feb 2019 20:07

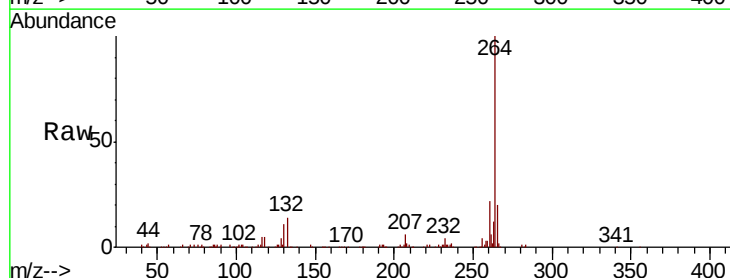
Tgt Ion:264 Resp: 316729

Ion Ratio Lower Upper

264 100

260 21.6 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

