

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039577.D
 Acq On : 21 Feb 2019 18:49
 Operator : JU/SJ
 Sample : K1344-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 21 22:04:30 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

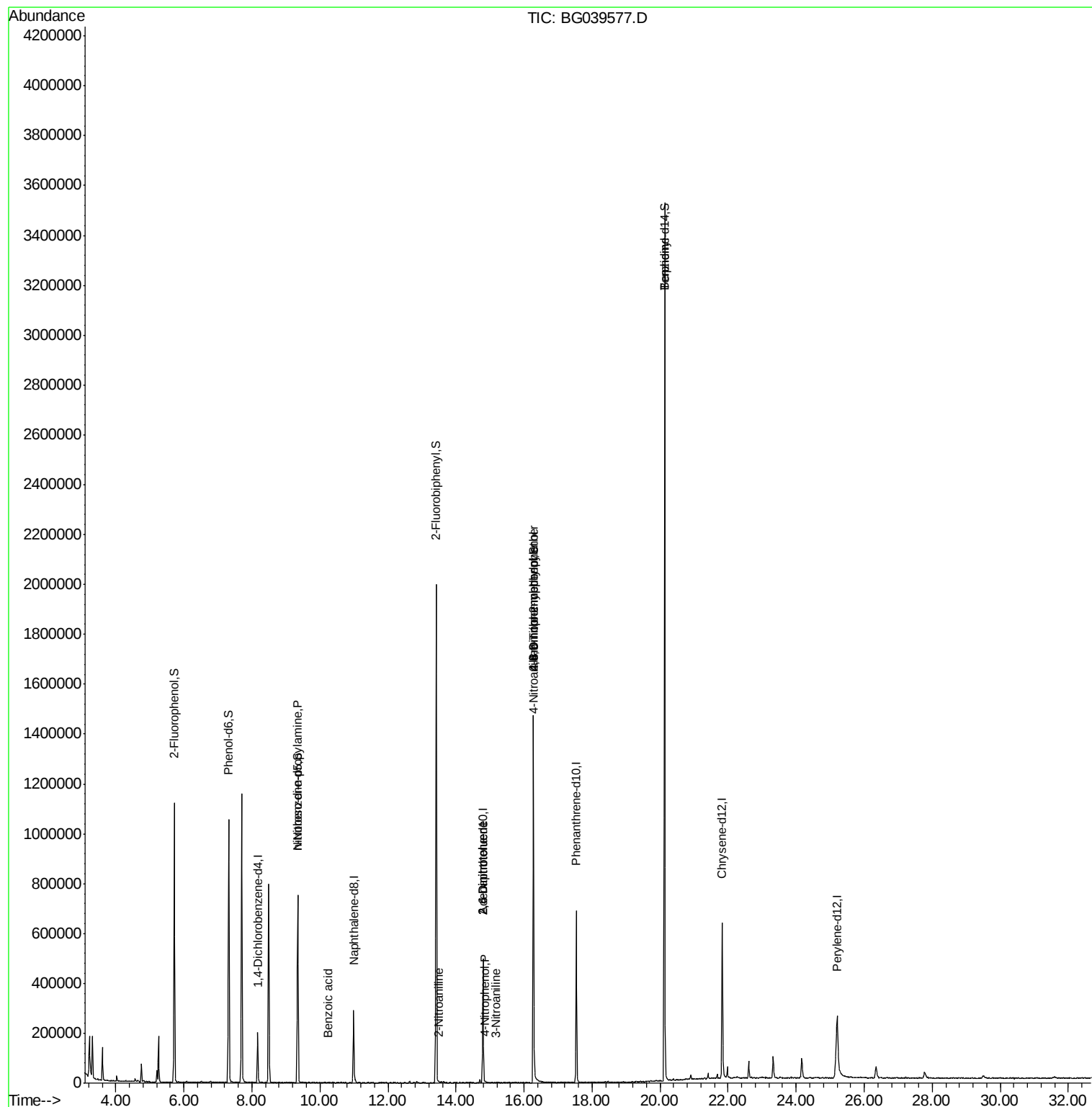
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56422	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	253155	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	175180	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	427782	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	433975	20.00	ng	-0.02
87) Perylene-d12	25.21	264	365611	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	459112	139.27	ng	0.00
7) Phenol-d6	7.32	99	617422	127.24	ng	0.00
23) Nitrobenzene-d5	9.35	82	450741	111.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	272446	144.43	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1056366	86.51	ng	-0.02
79) Terphenyl-d14	20.13	244	1711532	83.48	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1023	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	58471	16.977 ng	#	31
32) Benzoic acid	10.24	122	72	9.046 ng	#	68
48) 2-Nitroaniline	13.50	65	84	8.318 ng	#	35
51) 2,6-Dinitrotoluene	14.79	165	22904	14.037 ng	#	10
53) 3-Nitroaniline	15.17	138	62	5.812 ng	#	24
56) 4-Nitrophenol	14.86	139	54	5.813 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	22904	13.485 ng	#	1
62) 4-Nitroaniline	16.27	138	76	4.226 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.27	198	1034	4.950 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	21461	4.522 ng	#	1
77) Benzidine	20.13	184	30310	2.130 ng	#	92

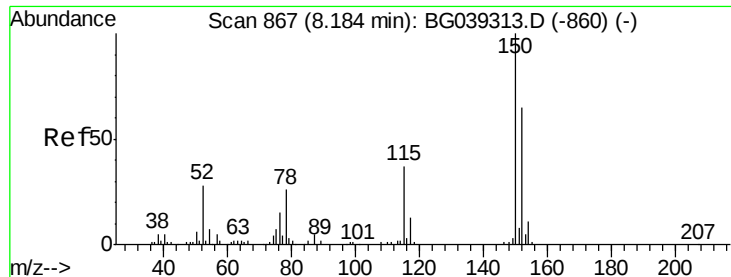
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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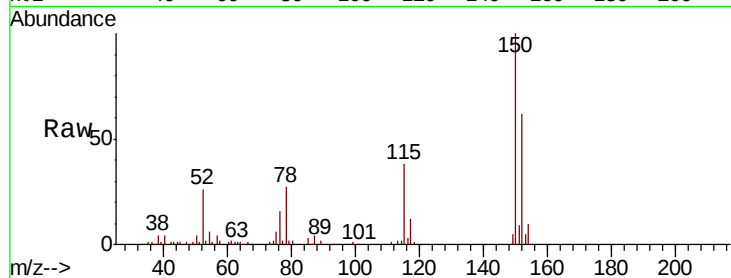


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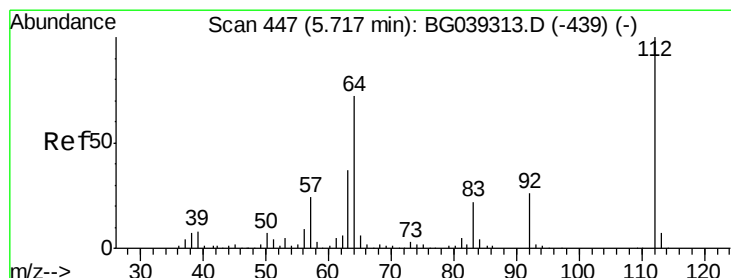
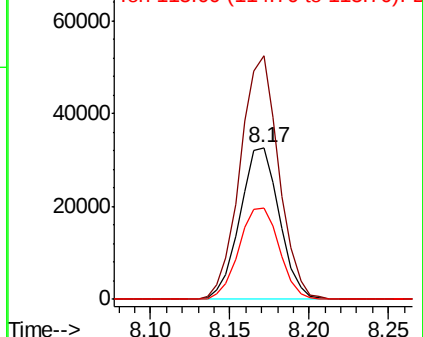
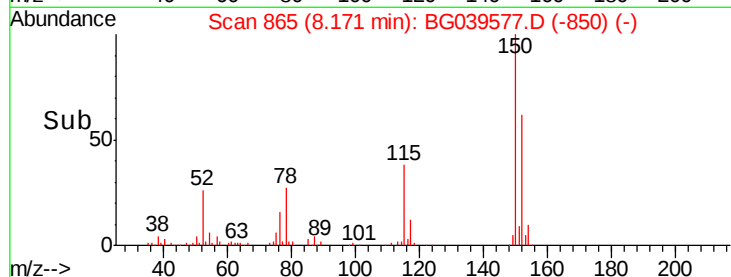
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

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

Tgt Ion:152 Resp: 56422
Ion Ratio Lower Upper
152 100
150 160.2 123.7 185.5
115 60.4 45.9 68.9



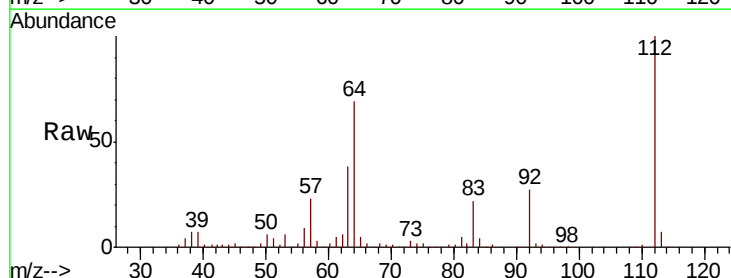
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



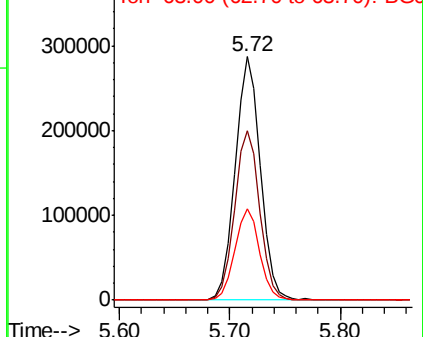
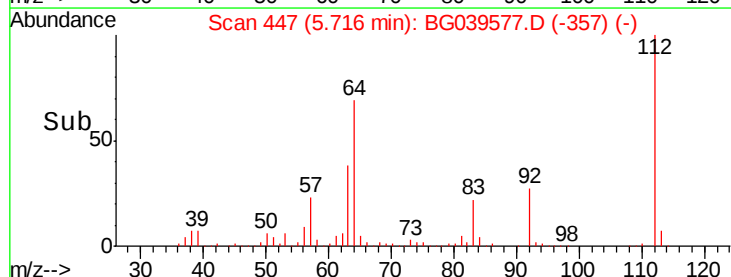
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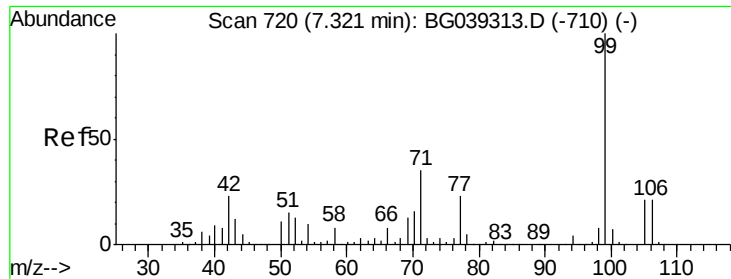
2-Fluorophenol
Concen: 139.267 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

Tgt Ion:112 Resp: 459112
Ion Ratio Lower Upper
112 100
64 69.3 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): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.237 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-A

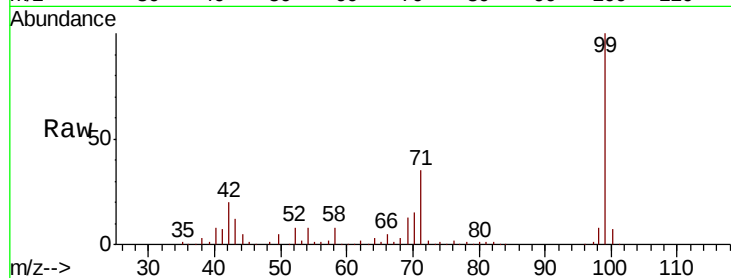
Tgt Ion: 99 Resp: 617422

Ion Ratio Lower Upper

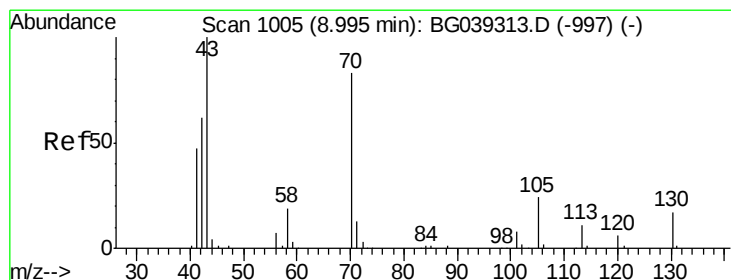
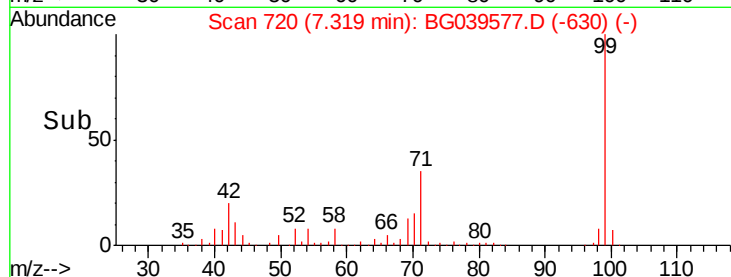
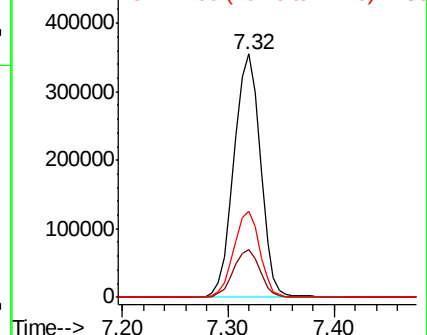
99 100

42 19.8 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: 16.977 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

Tgt Ion: 70 Resp: 58471

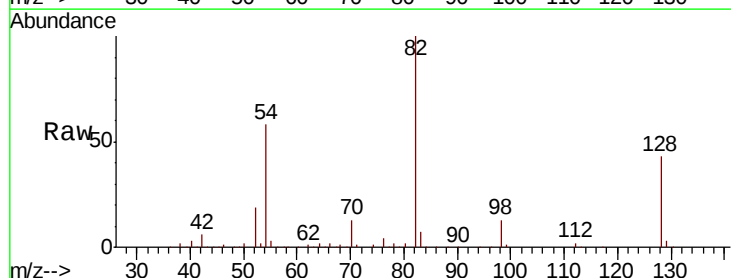
Ion Ratio Lower Upper

70 100

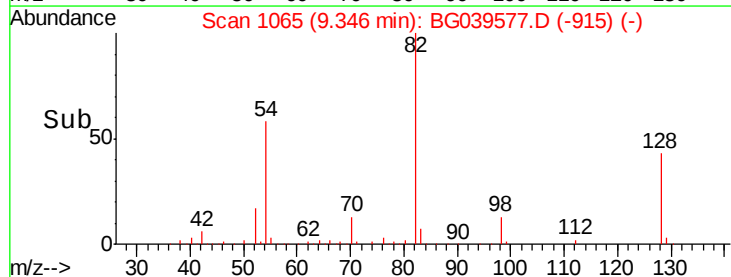
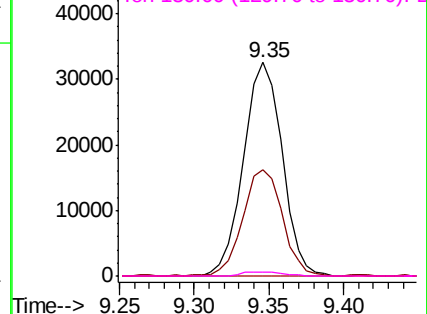
42 49.5 60.4 90.6#

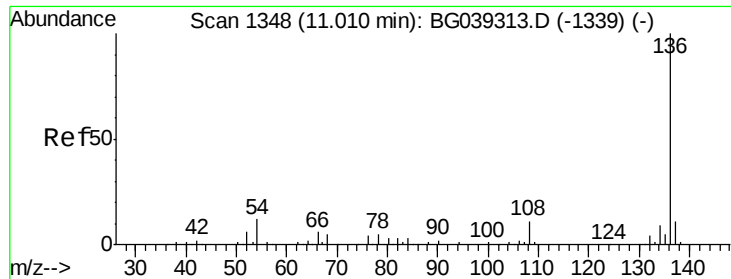
101 0.0 7.5 11.3#

130 1.8 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

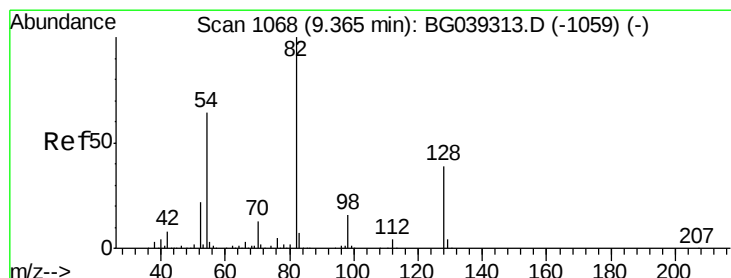
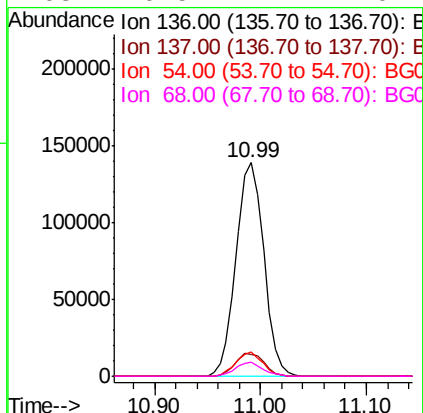
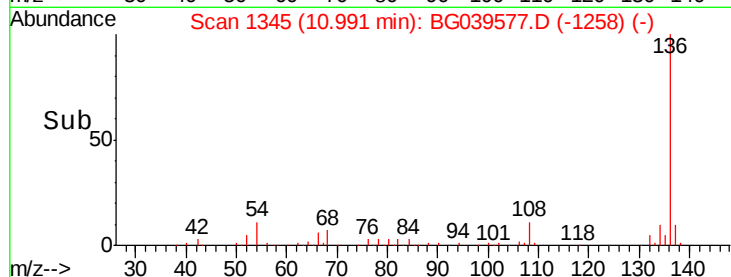
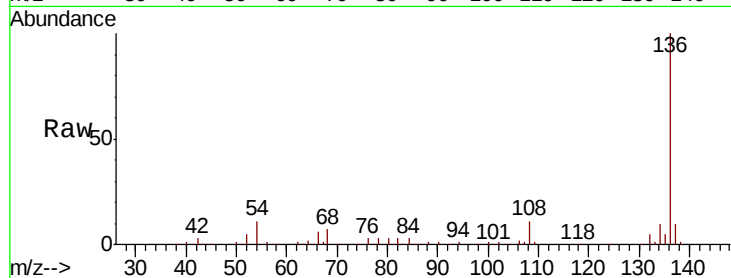




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

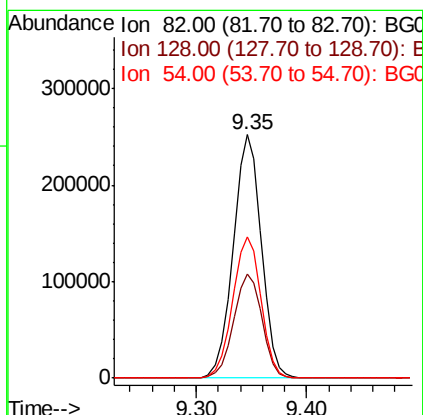
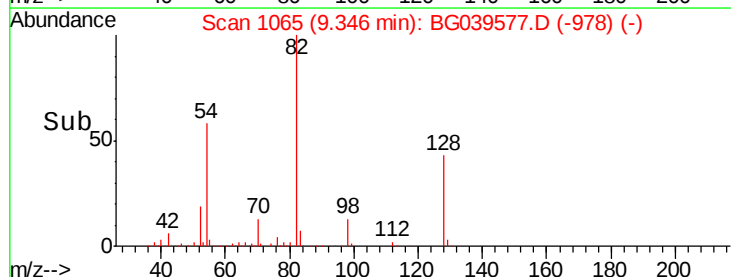
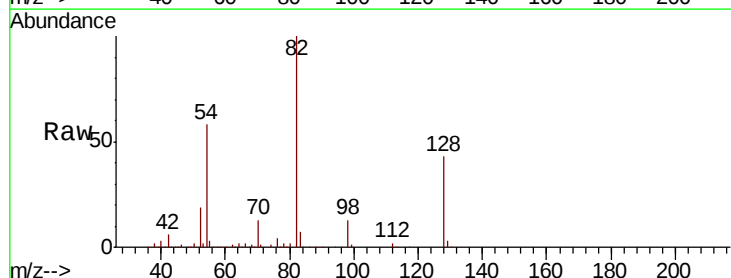
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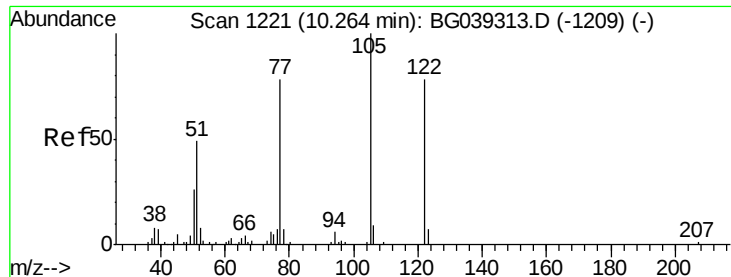
Tgt Ion:	136	Resp:	253155
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	11.4	9.4	14.2
68	6.5	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 111.230 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

Tgt Ion:	82	Resp:	450741
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	58.0	50.9	76.3





#32

Benzoic acid

Concen: 9.046 ng

RT: 10.24 min Scan# 1218

Delta R.T. -0.02 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

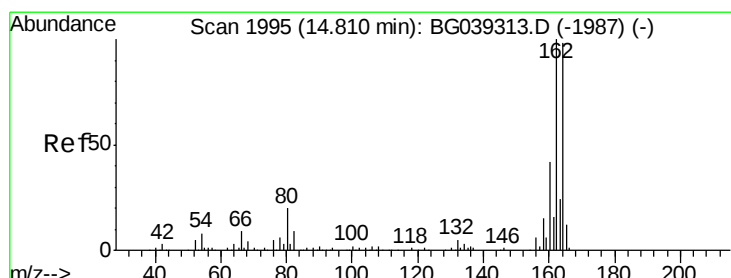
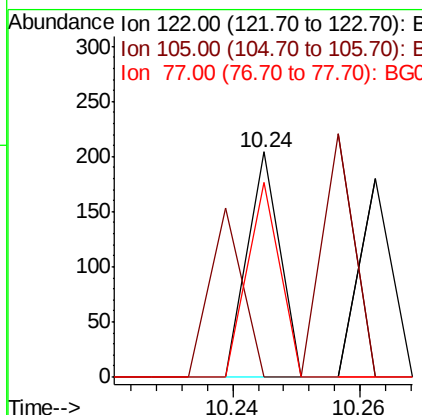
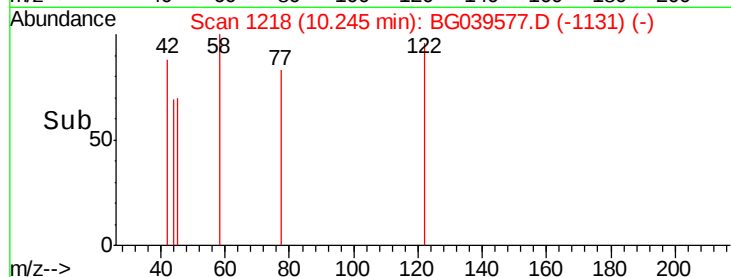
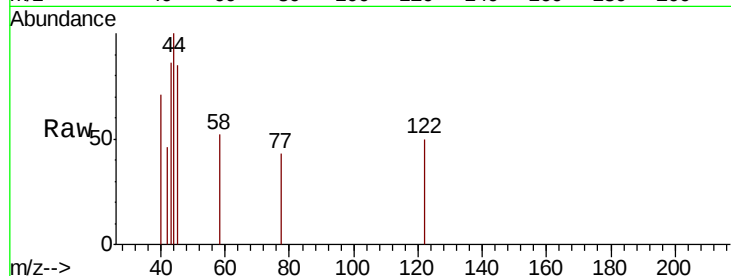
Instrument :

BNA_G

ClientSampleId :

NB-08-022019-A

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	86.8	76.3	116.3



#39

Acenaphthene-d10

Concen: 20.000 ng

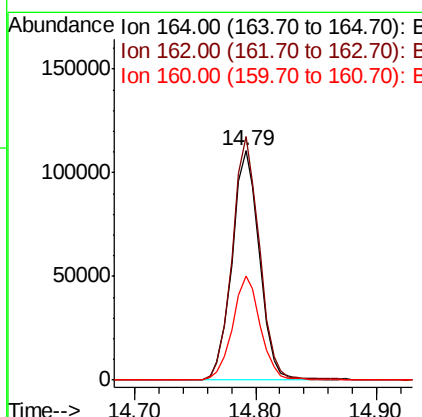
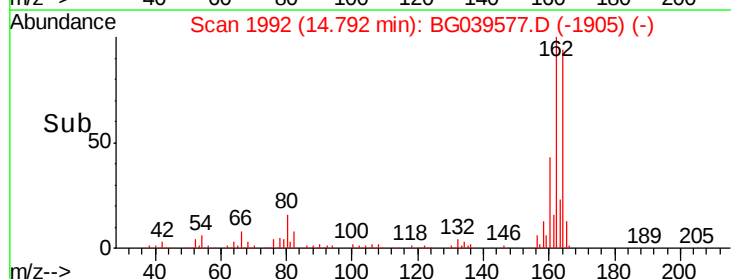
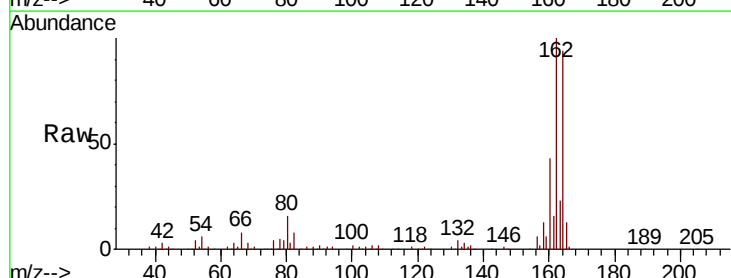
RT: 14.79 min Scan# 1992

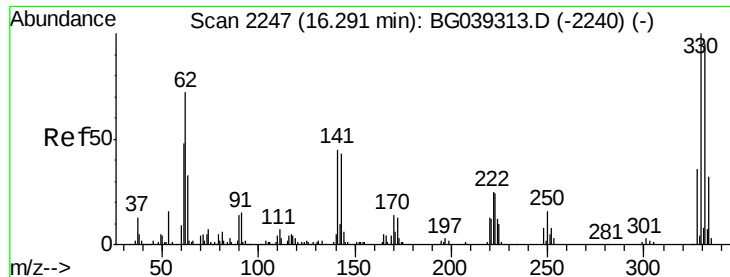
Delta R.T. -0.02 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	81.6	122.4
160	45.4	34.2	51.2

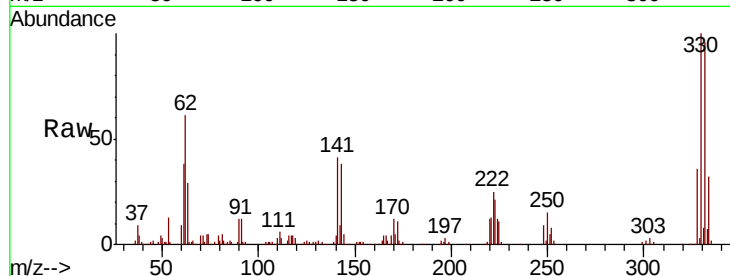




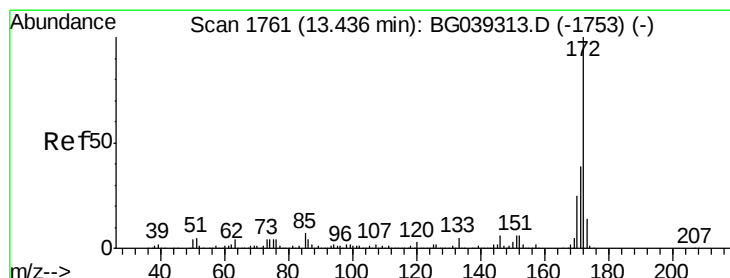
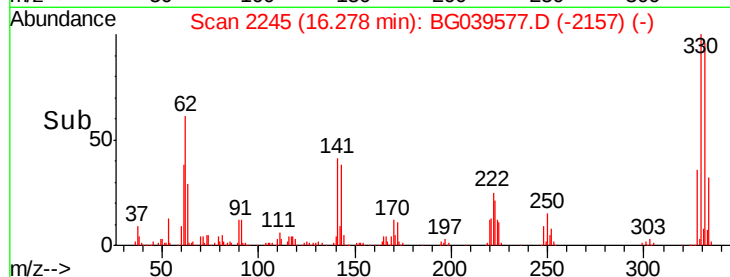
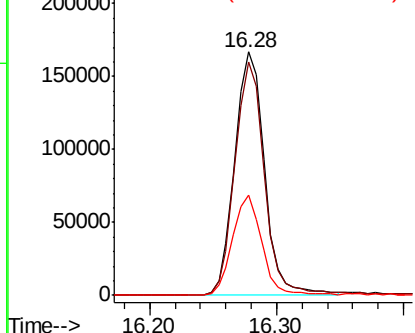
#42
 2,4,6-Tribromophenol
 Concen: 144.427 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

Instrument :
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 ClientSampleId :
 NB-08-022019-A

Tgt Ion:330 Resp: 272446
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 40.4 35.6 53.4

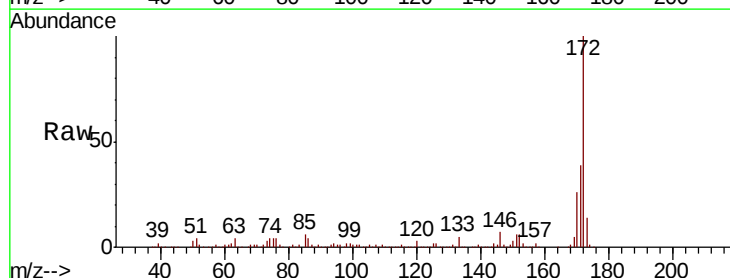


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

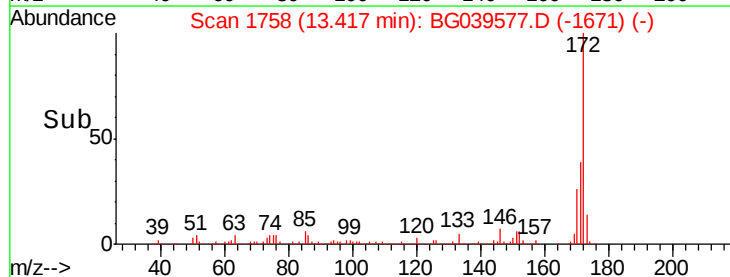
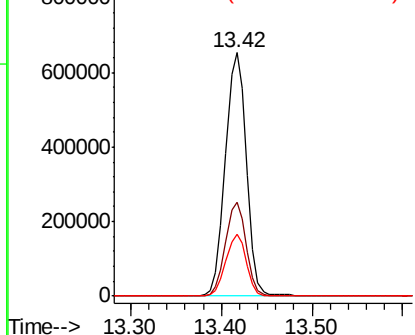


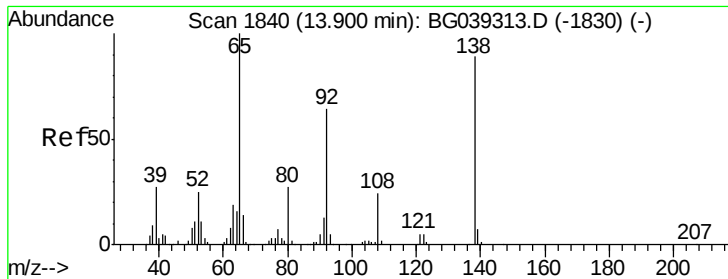
#45
 2-Fluorobiphenyl
 Concen: 86.506 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

Tgt Ion:172 Resp: 1056366
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.8 46.2
 170 25.6 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

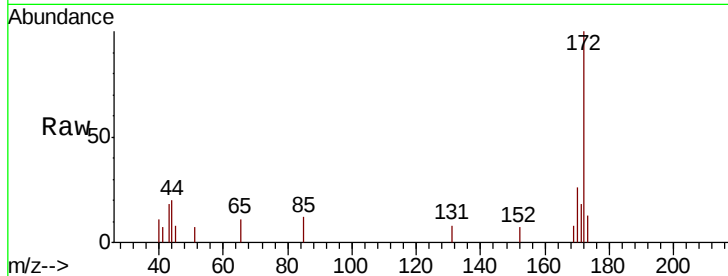




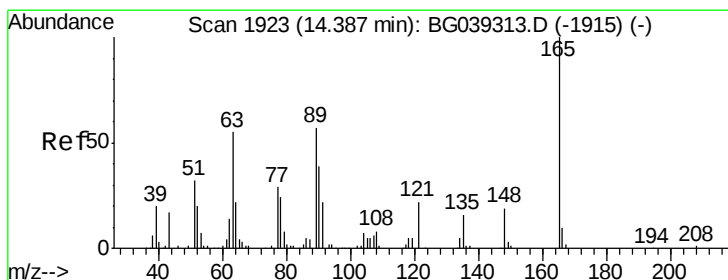
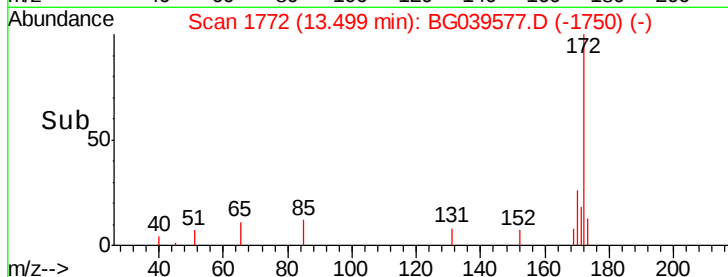
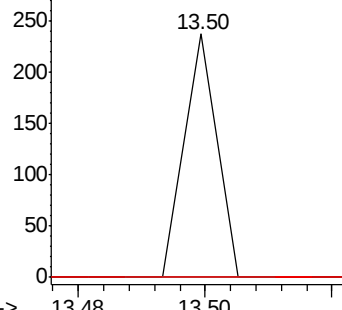
#48
2-Nitroaniline
Concen: 8.318 ng
RT: 13.50 min Scan# 1772
Delta R.T. -0.40 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

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

Tgt Ion: 65 Resp: 84
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

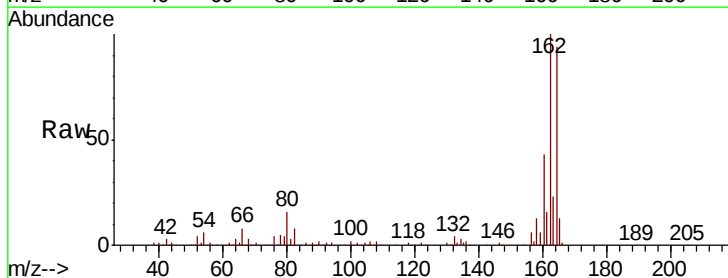


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

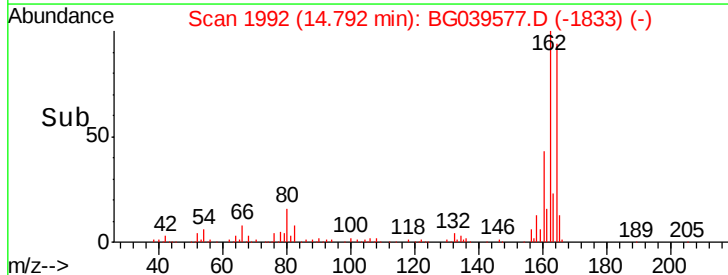
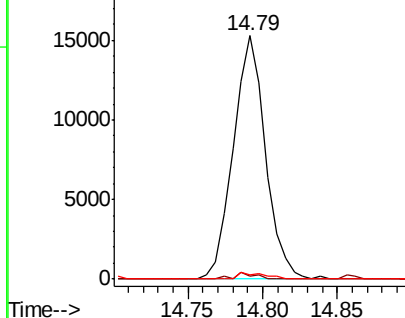


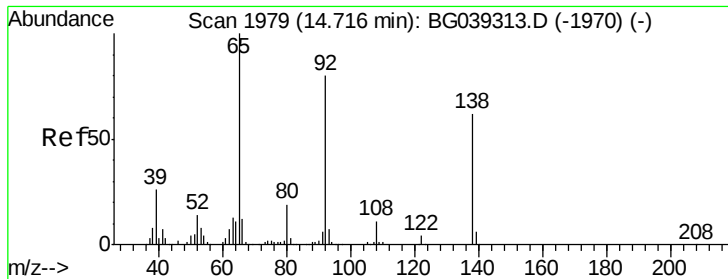
#51
2,6-Dinitrotoluene
Concen: 14.037 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

Tgt Ion: 165 Resp: 22904
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.6#
89 1.8 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

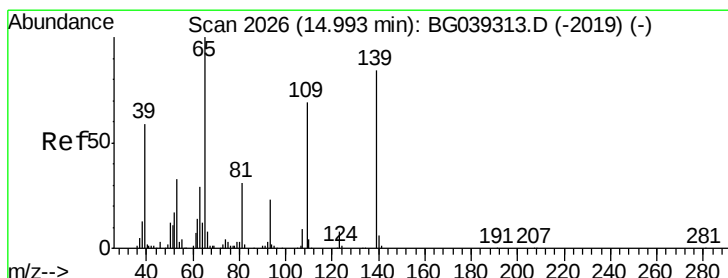
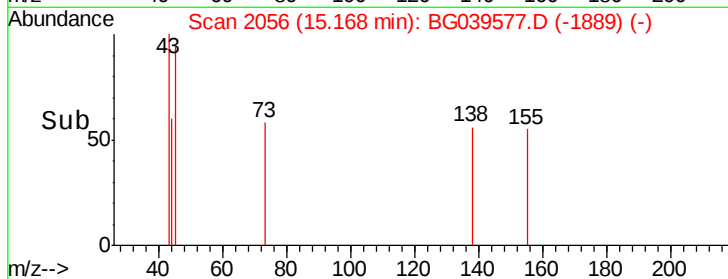
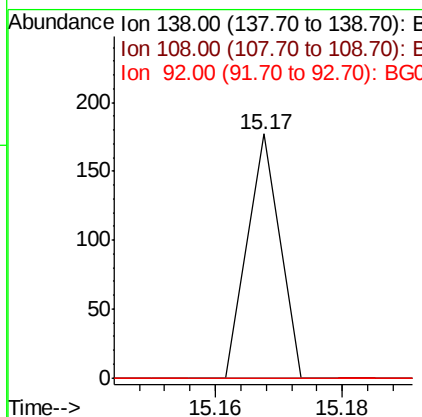
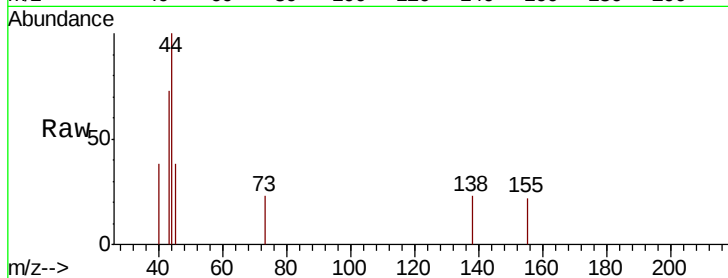




#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. 0.45 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

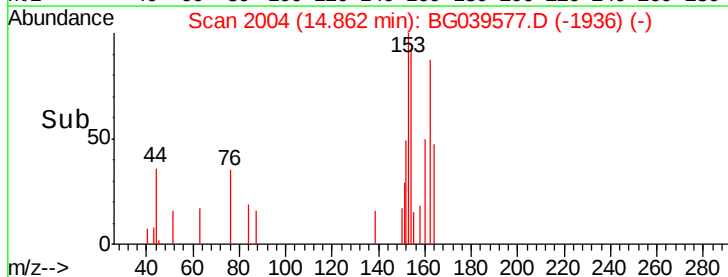
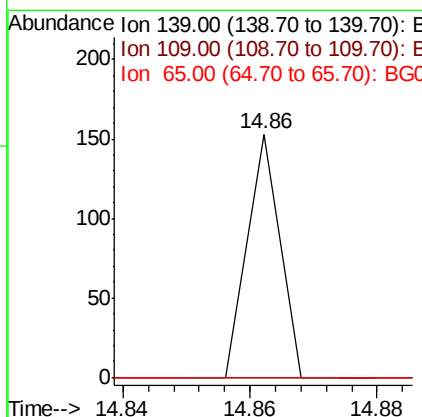
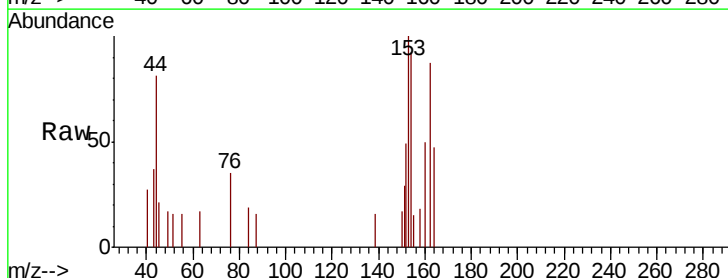
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 ClientSampleId :
 NB-08-022019-A

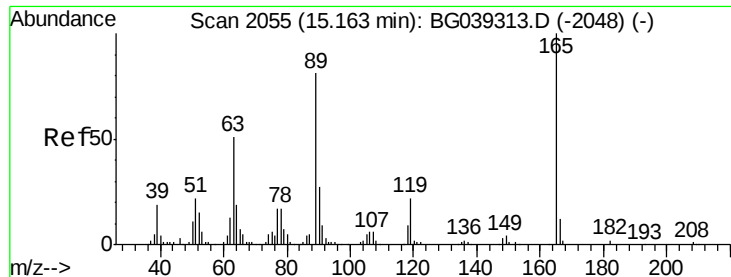
Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



#56
 4-Nitrophenol
 Concen: 5.813 ng
 RT: 14.86 min Scan# 2004
 Delta R.T. -0.13 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#

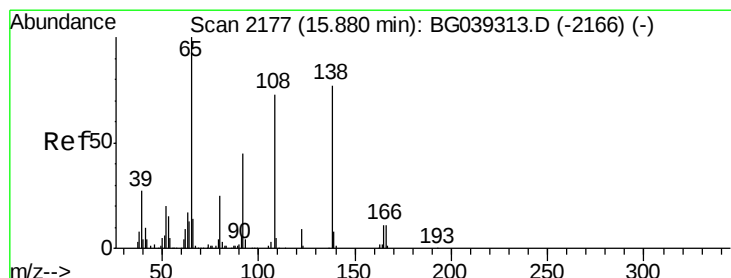
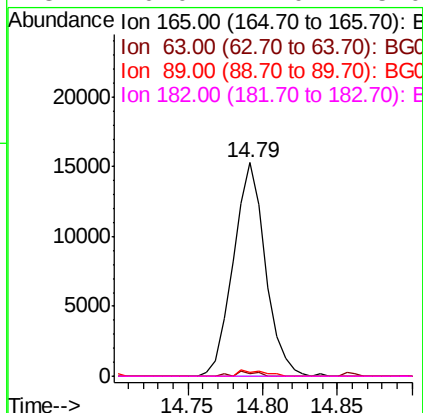
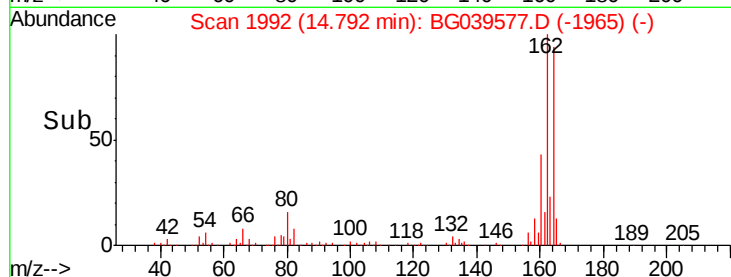
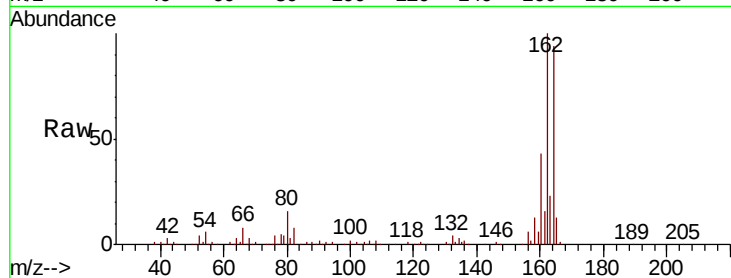




#57
 2,4-Dinitrotoluene
 Concen: 13.485 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

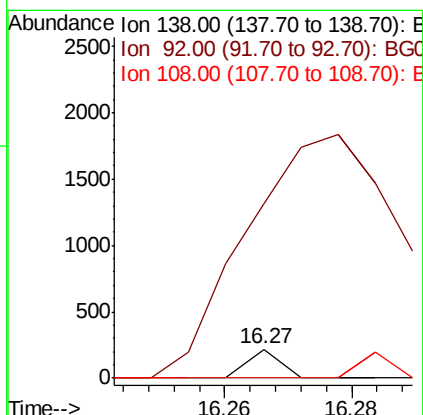
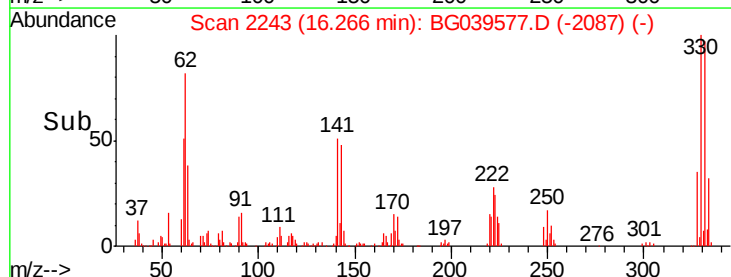
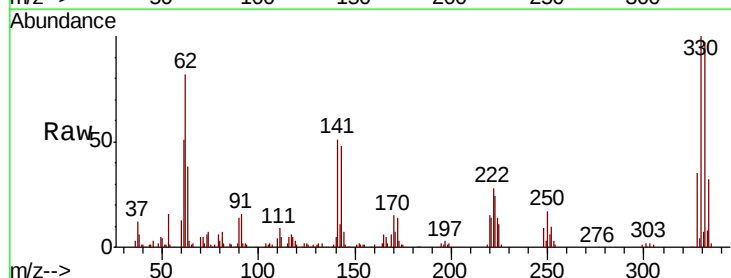
Instrument :
 BNA_G
 ClientSampleId :
 NB-08-022019-A

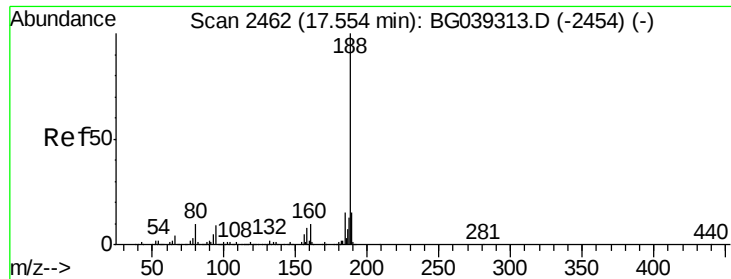
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.226 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.39 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

Tgt Ion	Ratio	Lower	Upper
138	100		
92	607.9	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-A

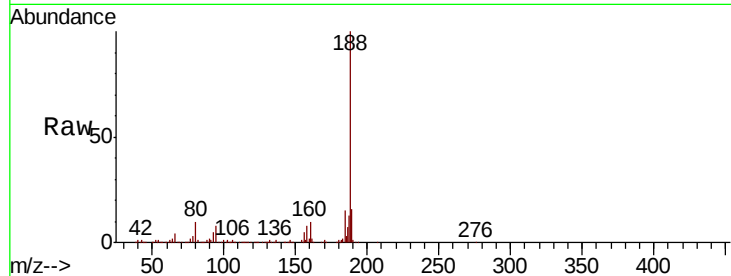
Tgt Ion:188 Resp: 427782

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

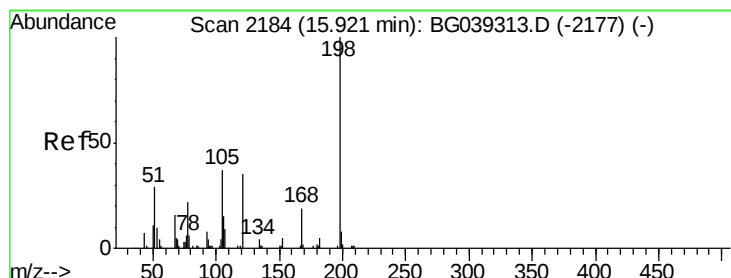
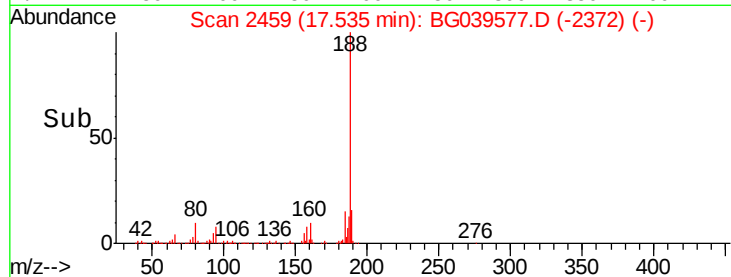
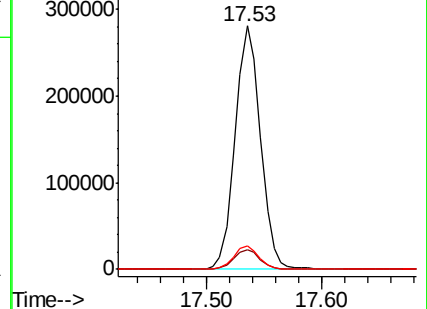
80 9.6 8.1 12.1



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: 4.950 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

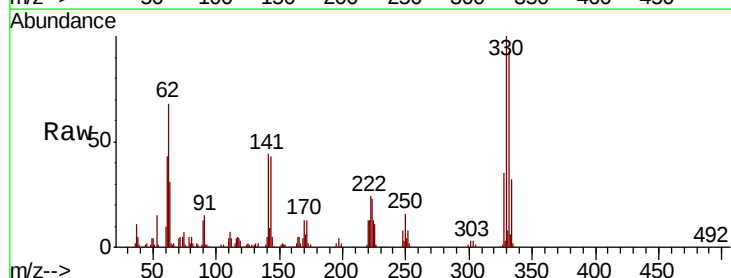
Tgt Ion:198 Resp: 1034

Ion Ratio Lower Upper

198 100

51 136.6 27.4 67.4#

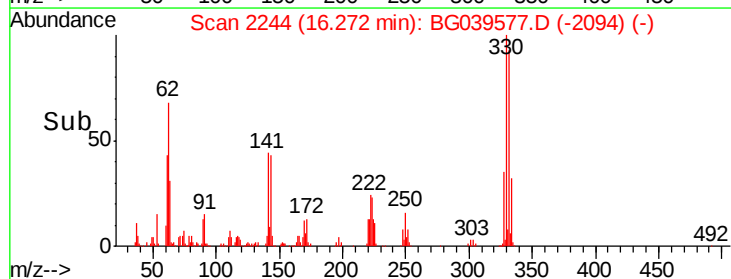
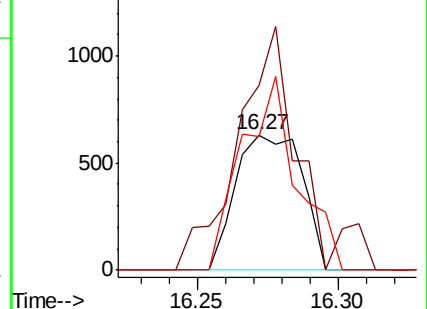
105 98.7 19.7 59.7#

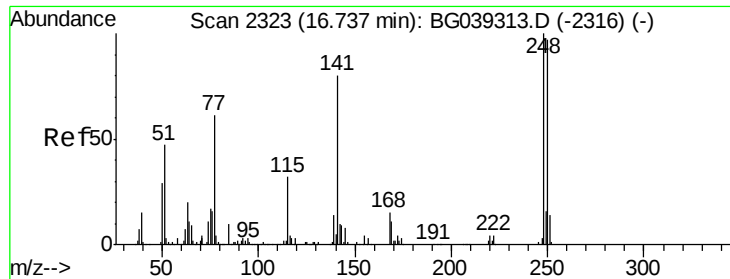


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

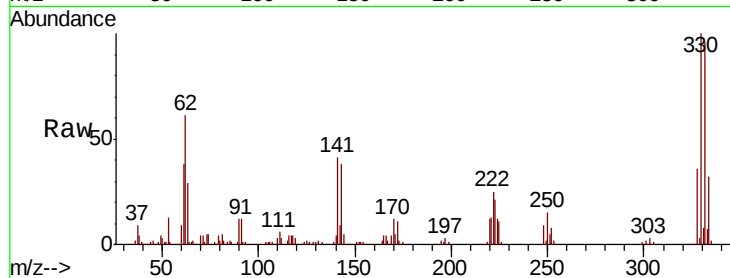




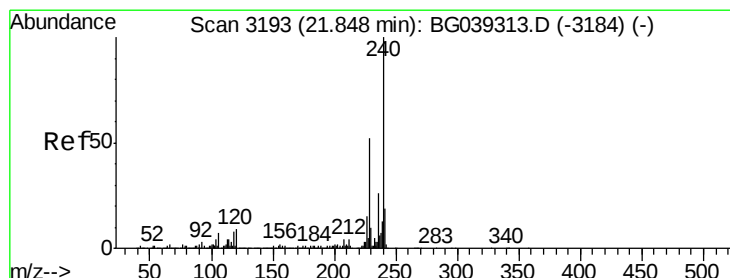
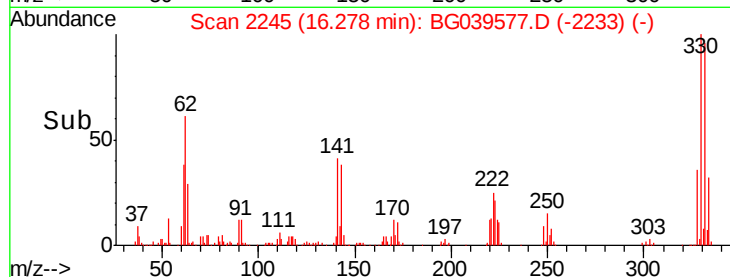
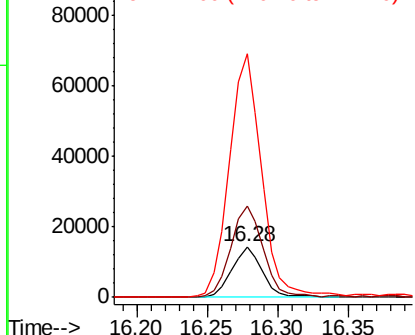
#67
 4-Bromophenyl-phenylether
 Concen: 4.522 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

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

Tgt Ion:248 Resp: 21461
 Ion Ratio Lower Upper
 248 100
 250 180.6 77.6 116.4#
 141 481.7 63.9 95.9#

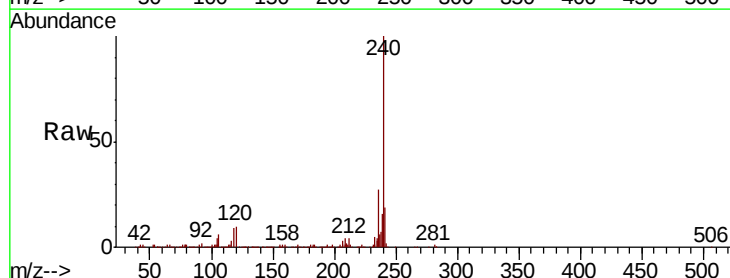


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

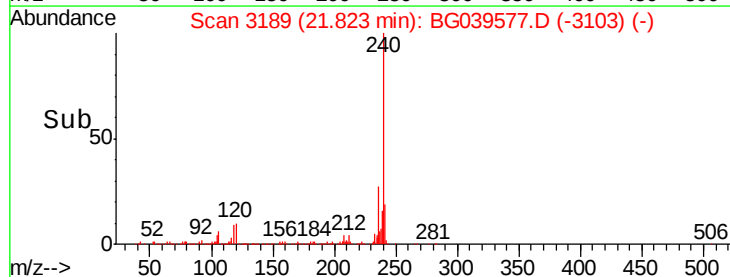
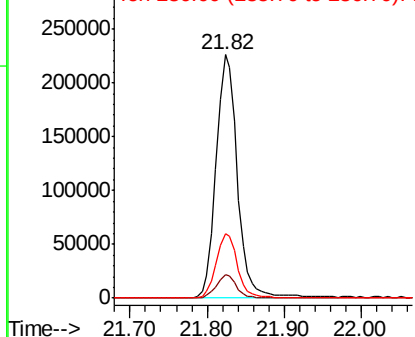


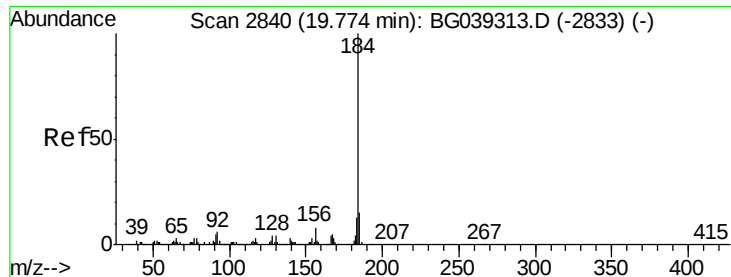
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039577.D
 Acq: 21 Feb 2019 18:49

Tgt Ion:240 Resp: 433975
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.0 10.6
 236 26.7 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: 2.130 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

Instrument :

BNA_G

ClientSampleId :

NB-08-022019-A

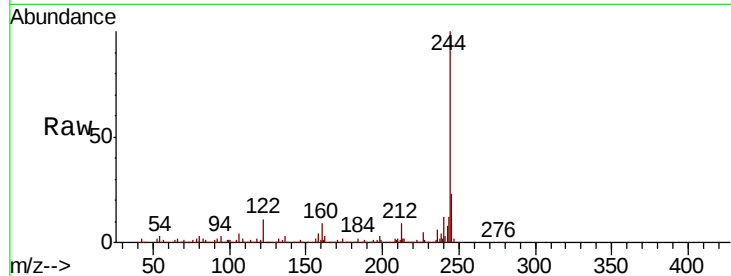
Tgt Ion:184 Resp: 30310

Ion Ratio Lower Upper

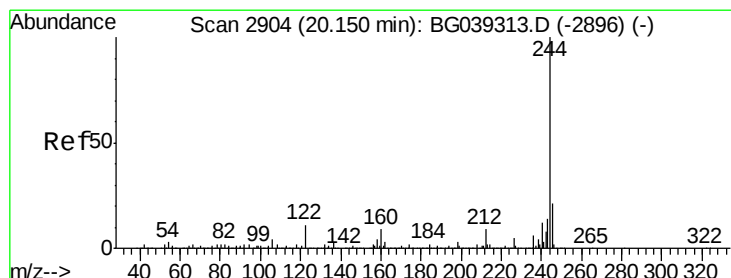
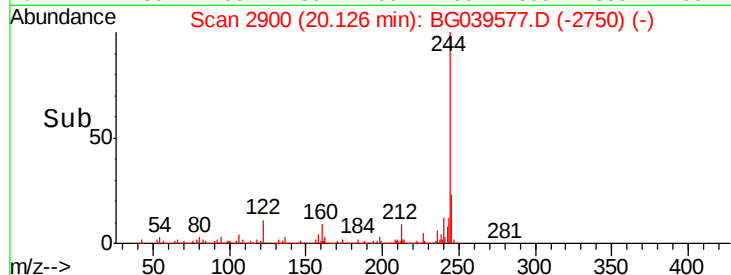
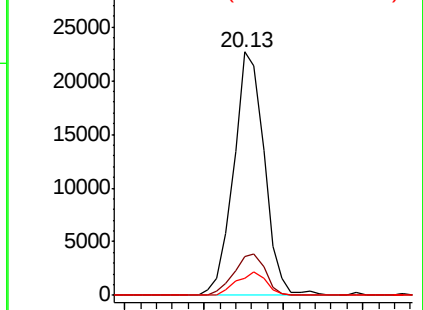
184 100

185 16.1 12.2 18.2

183 7.0 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: 83.479 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039577.D

Acq: 21 Feb 2019 18:49

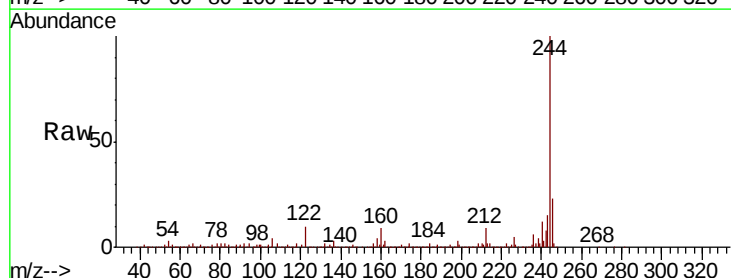
Tgt Ion:244 Resp: 1711532

Ion Ratio Lower Upper

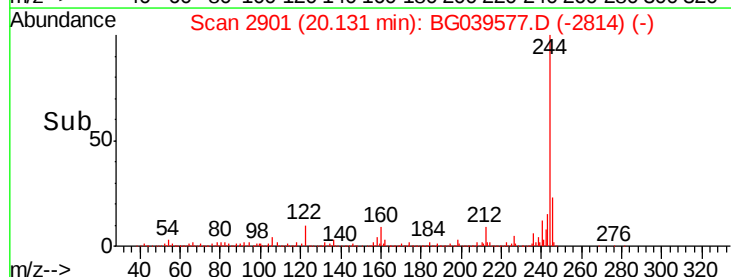
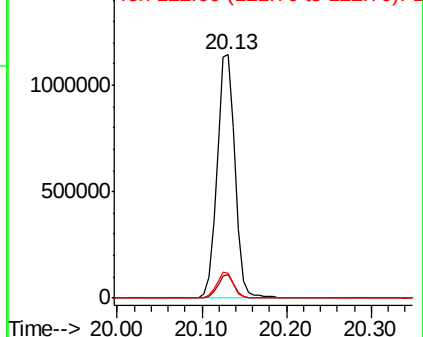
244 100

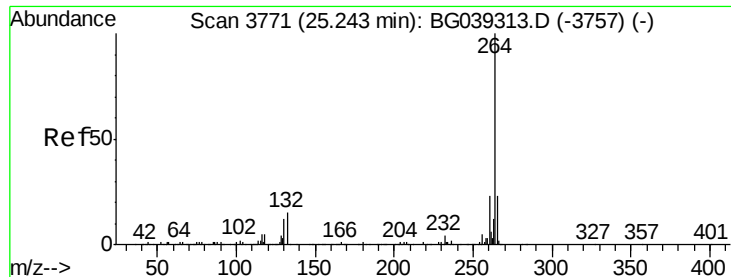
212 9.4 7.3 10.9

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: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039577.D
Acq: 21 Feb 2019 18:49

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

Tgt Ion:	264	Resp:	365611
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.6	18.5	27.7

