

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039678.D
 Acq On : 1 Mar 2019 3:36
 Operator : JU/SJ
 Sample : K1340-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:07:36 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	64072	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	278171	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	187427	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	452131	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	465026	20.00	ng	-0.02
87) Perylene-d12	25.20	264	456636	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	528616	141.21	ng	0.00
7) Phenol-d6	7.31	99	701862	127.37	ng	0.00
23) Nitrobenzene-d5	9.35	82	490486	110.15	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	301505	149.39	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1163085	89.02	ng	-0.02
79) Terphenyl-d14	20.13	244	1775726	80.83	ng	-0.02

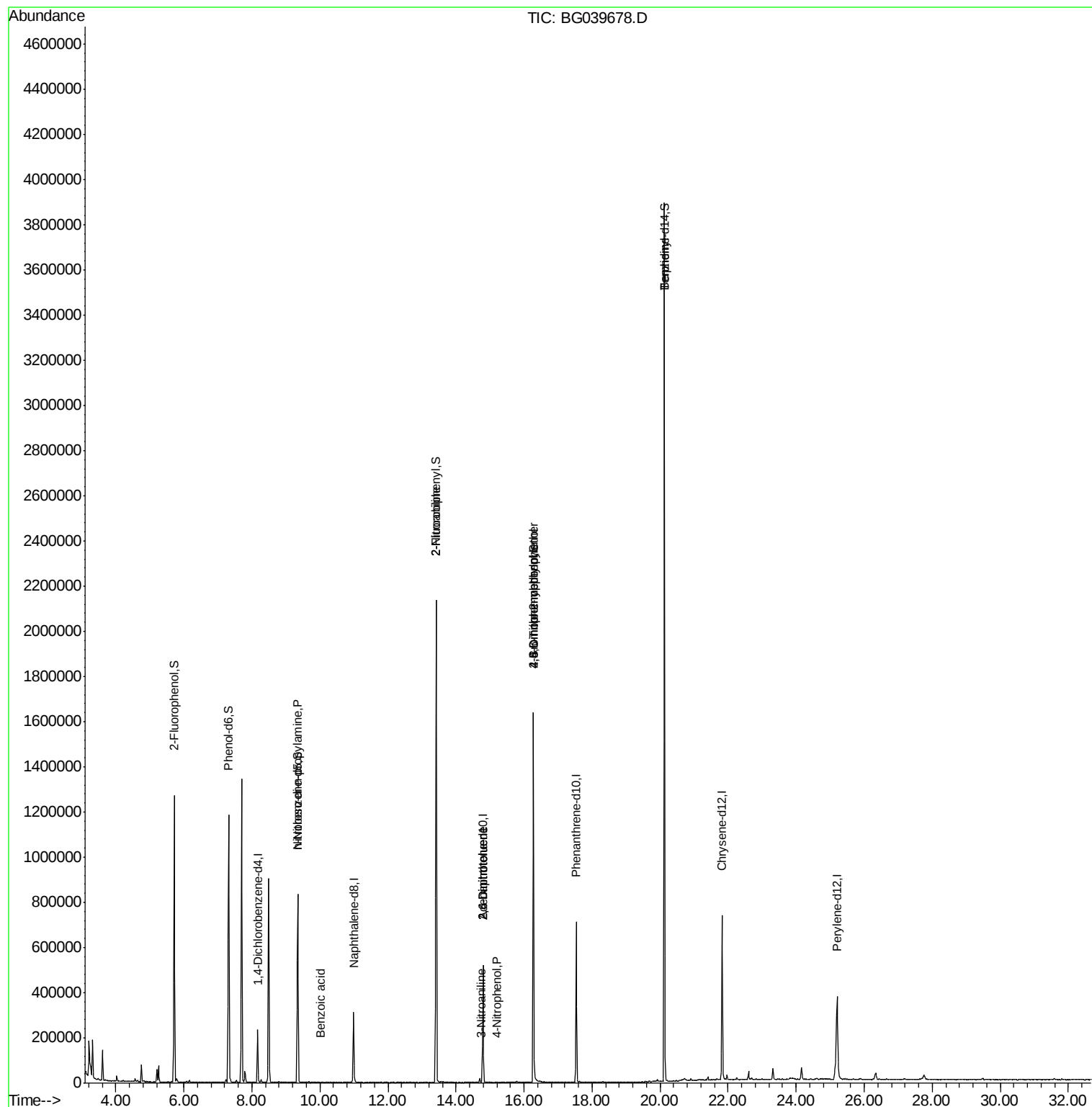
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1754	Below Cal		# 21
19) n-Nitroso-di-n-propylamine	9.35	70	64287	16.437	ng	# 69
32) Benzoic acid	10.02	122	63	9.041	ng	# 1
48) 2-Nitroaniline	13.42	65	1966	8.779	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	24241	13.957	ng	# 25
53) 3-Nitroaniline	14.73	138	64	5.811	ng	# 1
56) 4-Nitrophenol	15.19	139	75	5.819	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	24241	13.424	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	1016	4.895	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	23682	4.721	ng	# 1
77) Benzidine	20.13	184	32809	2.152	ng	# 94

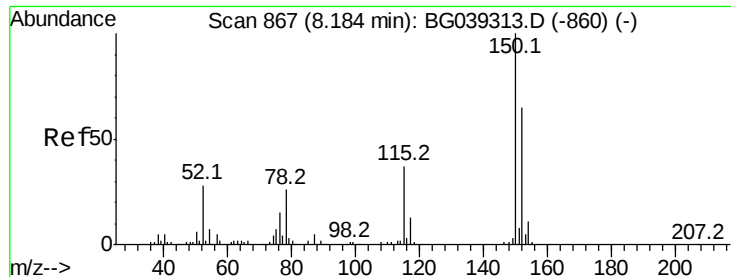
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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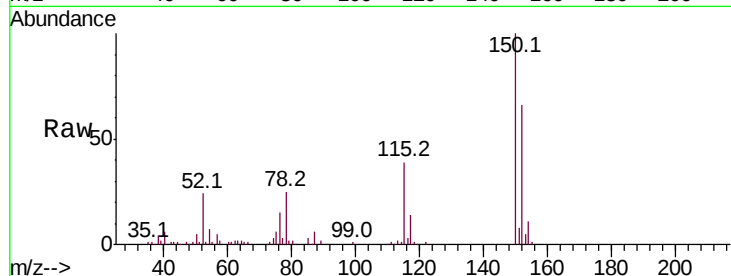


#1

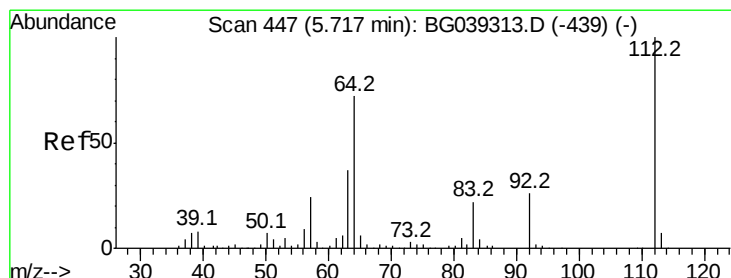
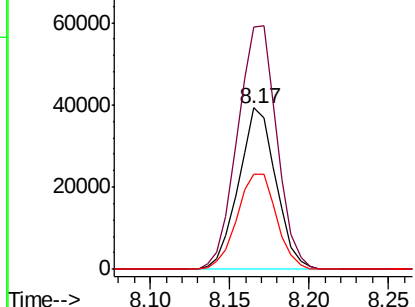
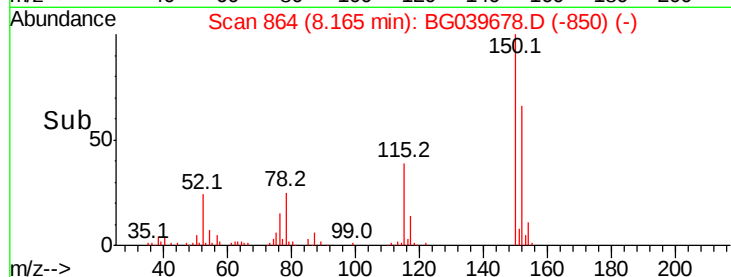
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64072
Ion Ratio Lower Upper
152 100
150 150.6 123.7 185.5
115 58.7 45.9 68.9



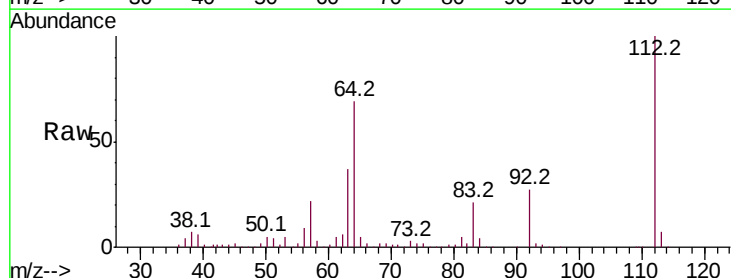
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



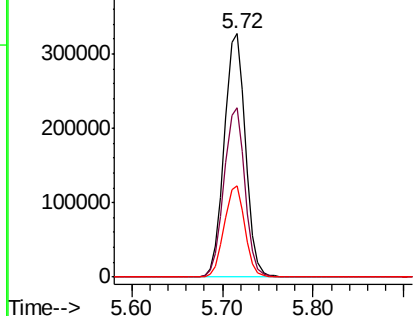
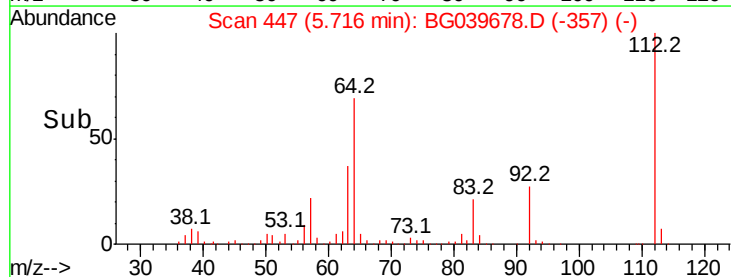
#5

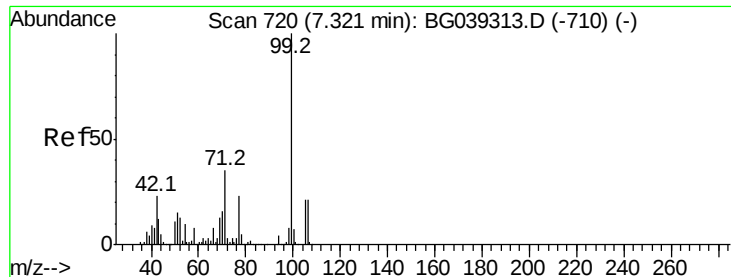
2-Fluorophenol
Concen: 141.205 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Tgt Ion:112 Resp: 528616
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 37.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 127.369 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

Instrument :

BNA_G

ClientSampleId :

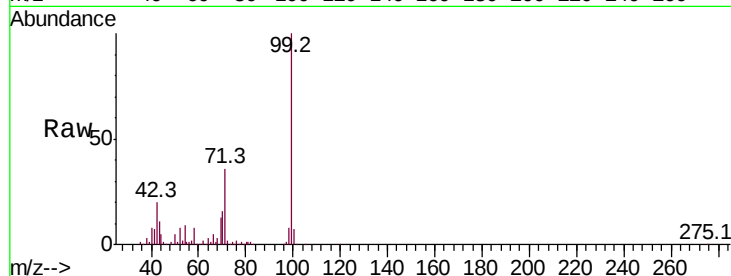
Tot Ion: 99 Resp: 701862

Ion Ratio Lower Upper

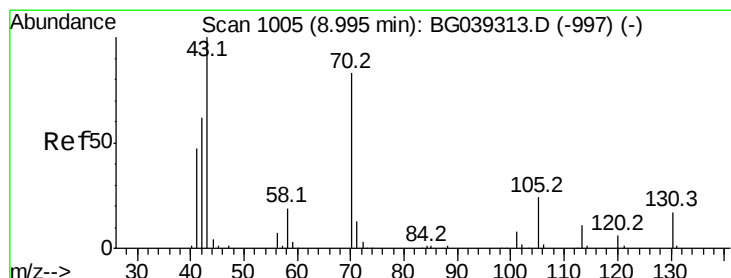
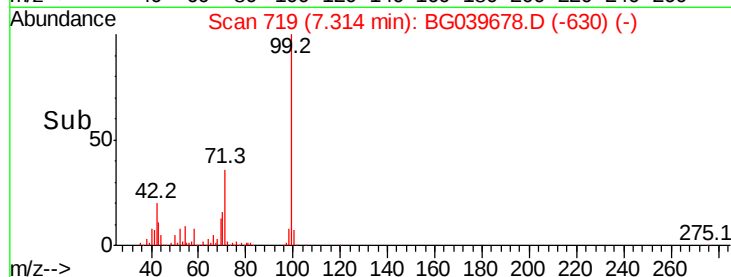
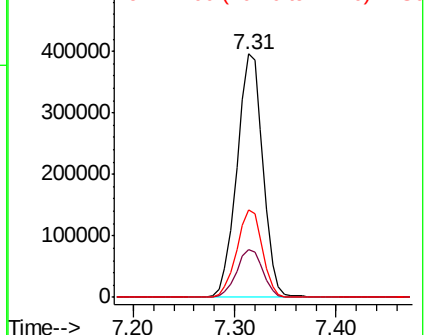
99 100

42 19.6 18.2 27.2

71 36.0 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: 16.437 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

Tgt Ion: 70 Resp: 64287

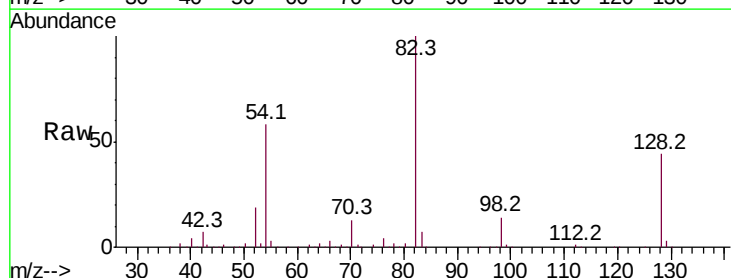
Ion Ratio Lower Upper

70 100

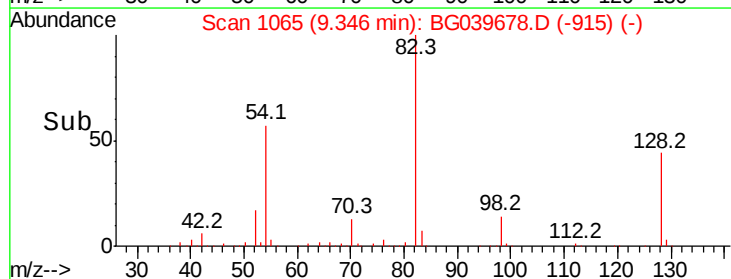
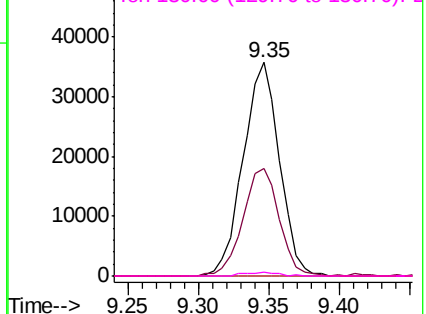
42 50.2 60.4 90.6#

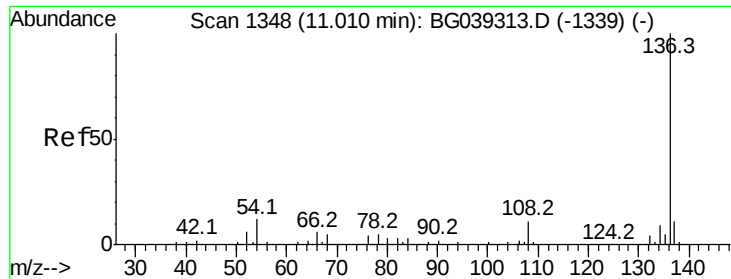
101 0.0 7.5 11.3#

130 2.0 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

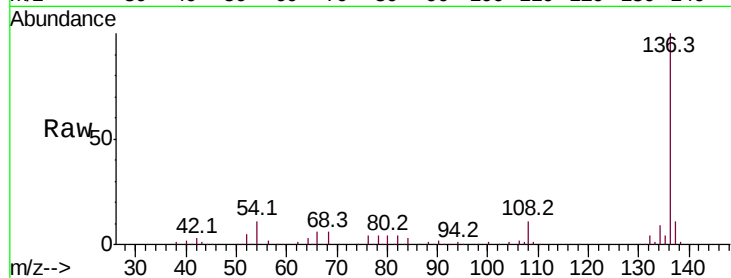




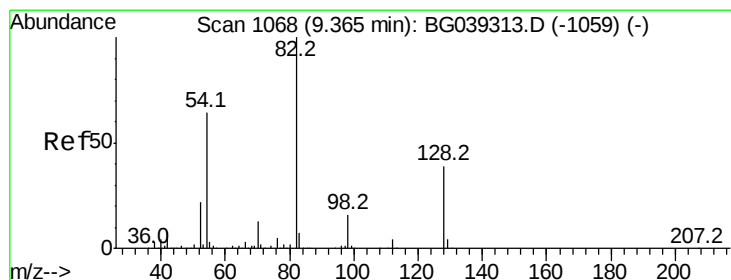
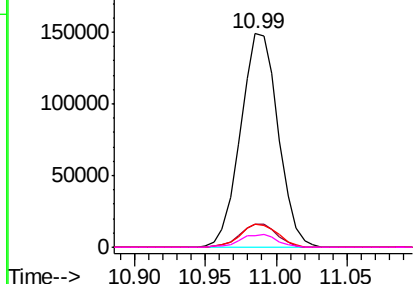
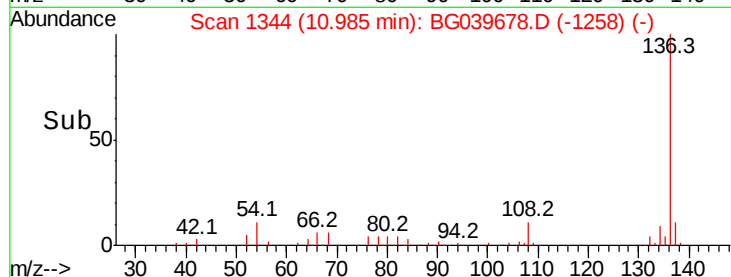
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	278171
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	10.5	9.4 14.2
68	5.6	4.2 6.4

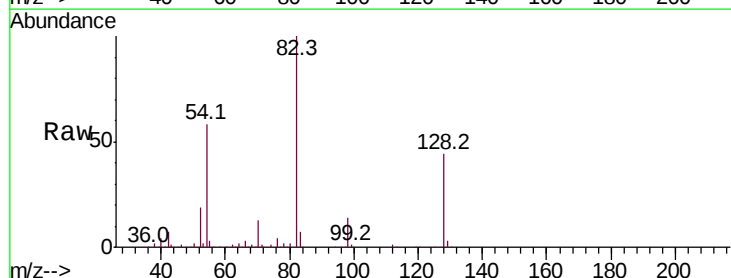


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

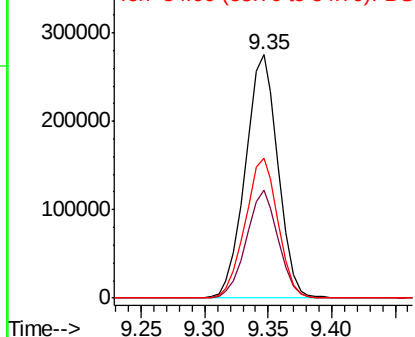
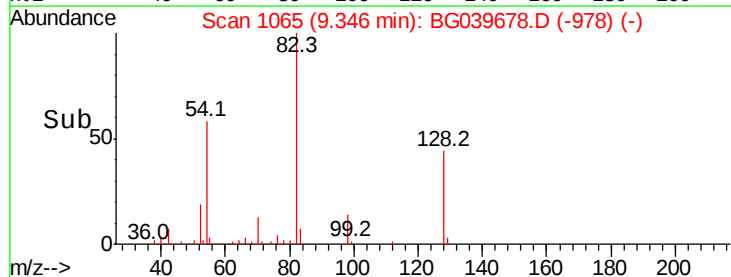


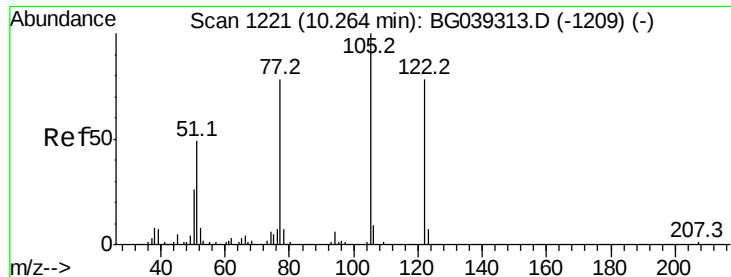
#23
Nitrobenzene-d5
Concen: 110.153 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Tgt Ion: 82	Resp:	490486
Ion Ratio	Lower	Upper
82	100	
128	44.2	31.3 46.9
54	57.5	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

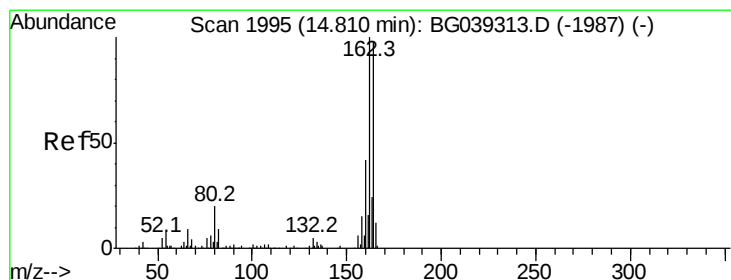
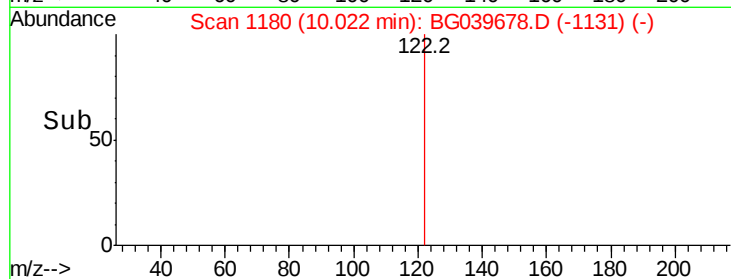
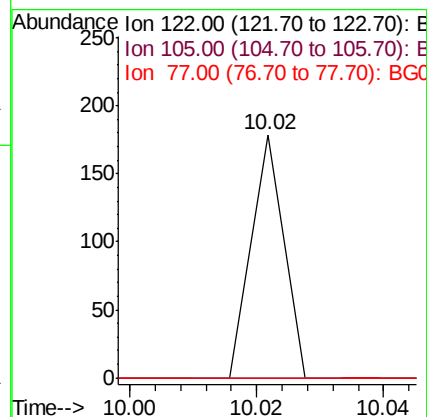
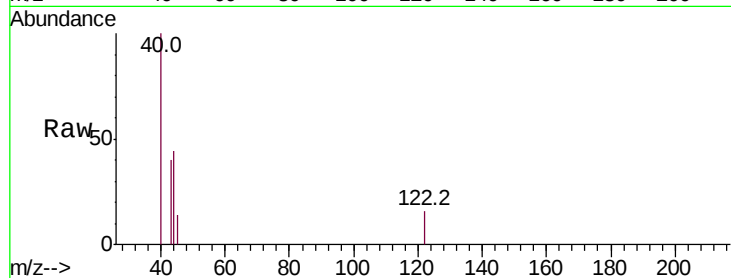




#32
Benzoic acid
Concen: 9.041 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.24 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

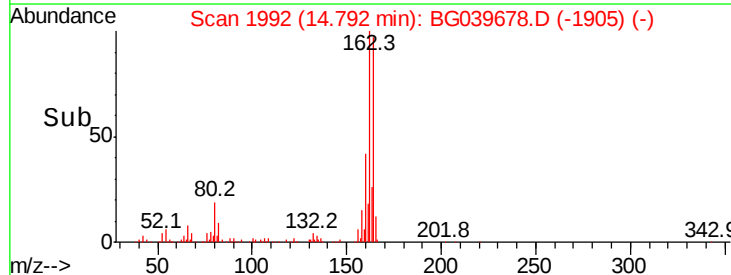
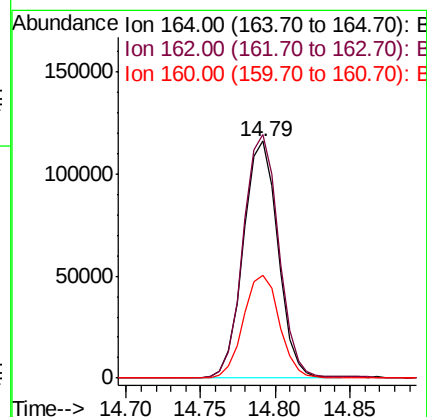
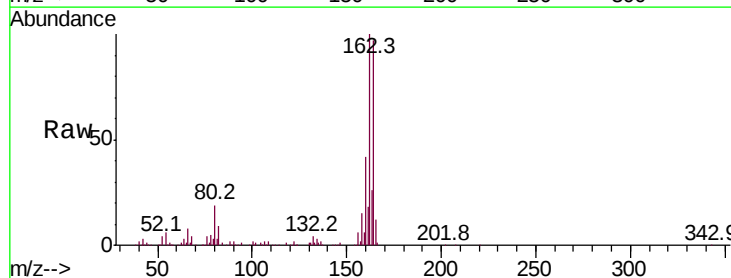
Instrument :
BNA_G
ClientSampleId :

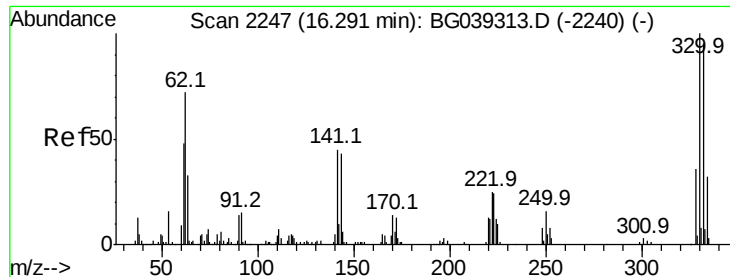
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.6	122.4
160	43.5	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 149.388 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

Instrument :

BNA_G

ClientSampled :

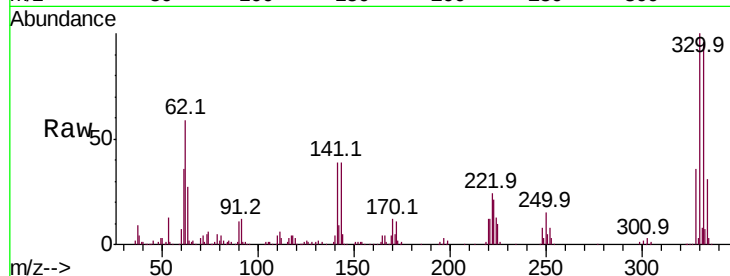
Tot Ion:330 Resp: 301505

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

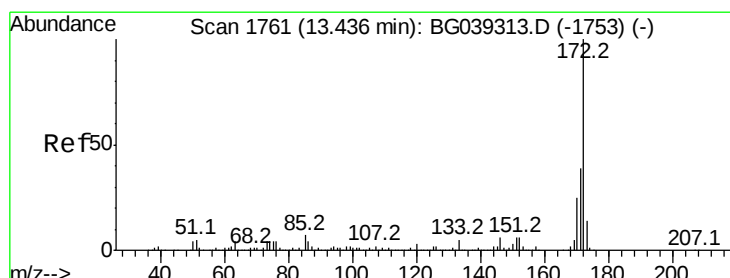
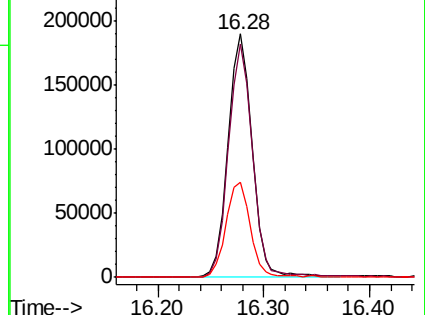
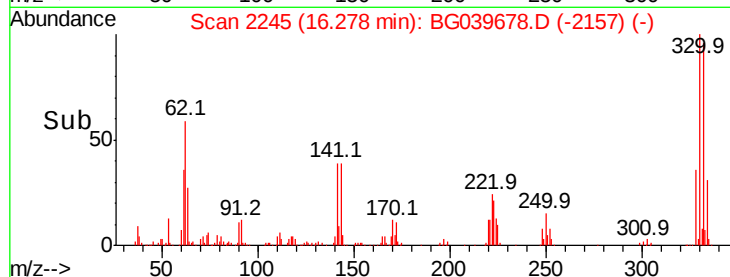
141 40.0 35.6 53.4



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: 89.022 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

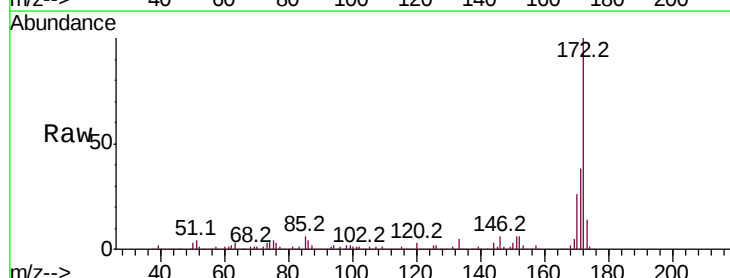
Tgt Ion:172 Resp: 1163085

Ion Ratio Lower Upper

172 100

171 37.5 30.8 46.2

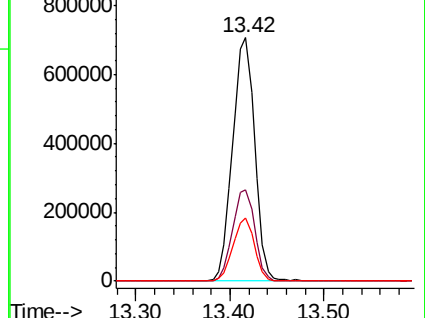
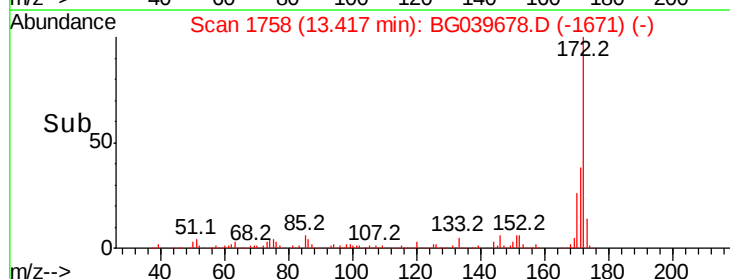
170 25.9 20.2 30.4

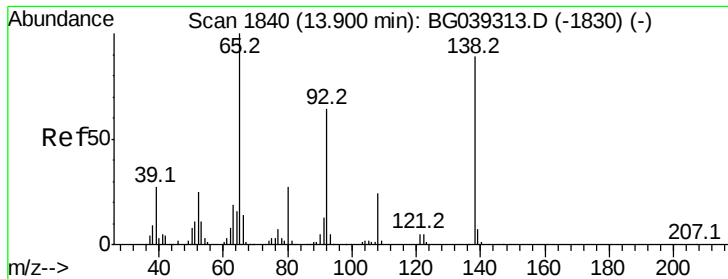


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

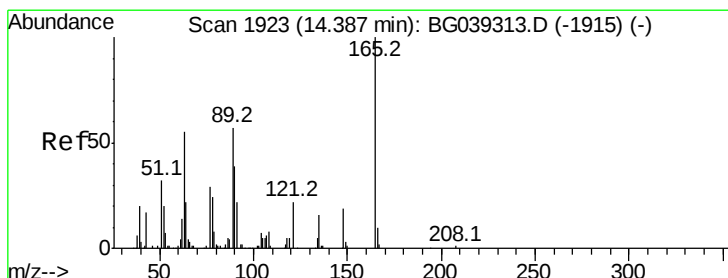
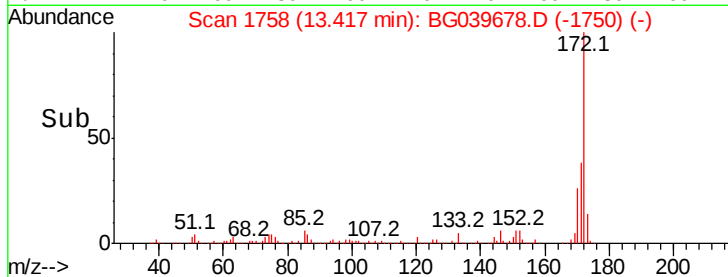
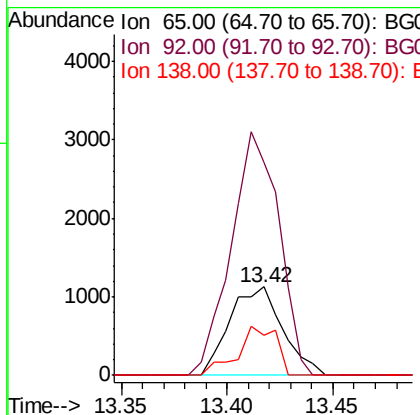
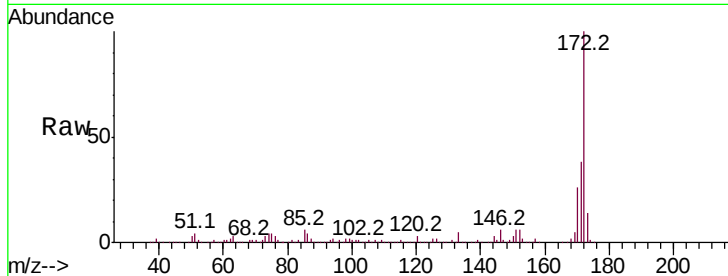




#48
2-Nitroaniline
Concen: 8.779 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

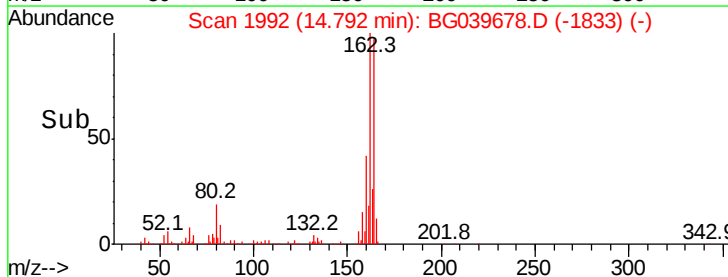
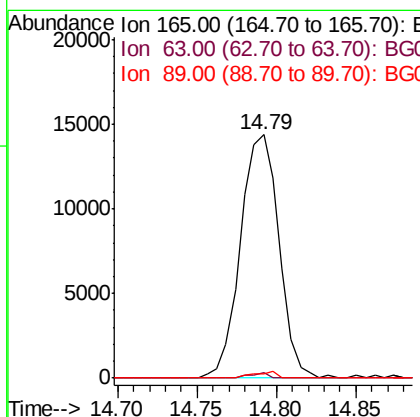
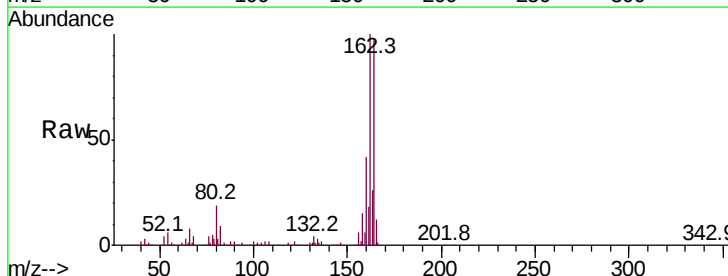
Instrument :
BNA_G
ClientSampleId :

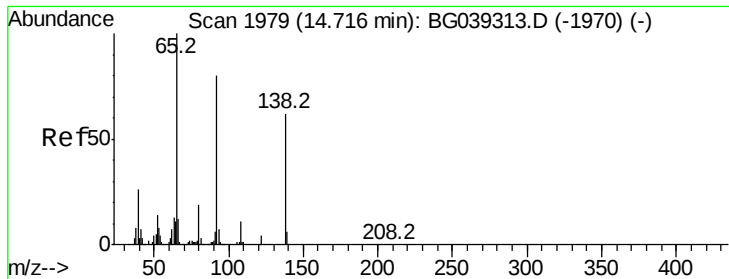
Tot Ion: 65 Resp: 1966
Ion Ratio Lower Upper
65 100
92 242.0 51.4 77.2#
138 45.7 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 13.957 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039678.D
Acq: 1 Mar 2019 3:36

Tgt Ion:165 Resp: 24241
Ion Ratio Lower Upper
165 100
63 2.4 47.0 70.6#
89 2.0 45.8 68.8#





#53

3-Nitroaniline

Concen: 5.811 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.02 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

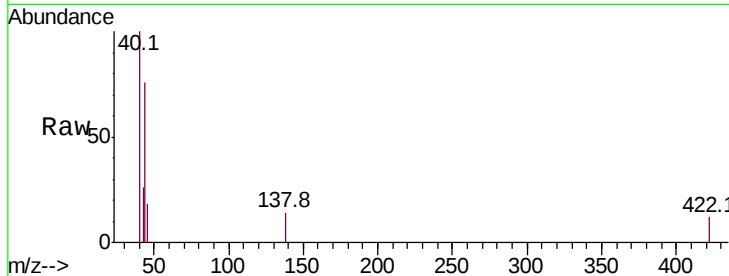
Instrument :

BNA_G

ClientSampled :

Tot Ion:138 Resp: 64

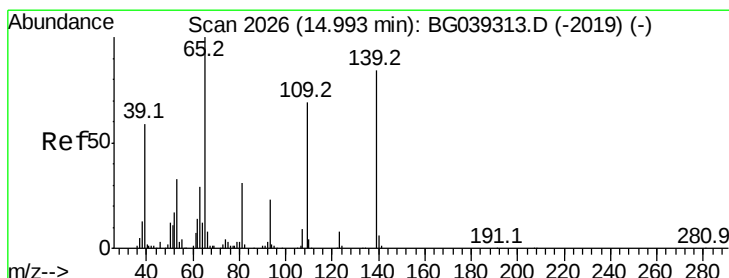
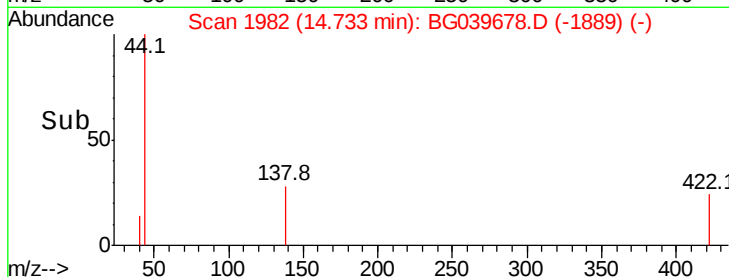
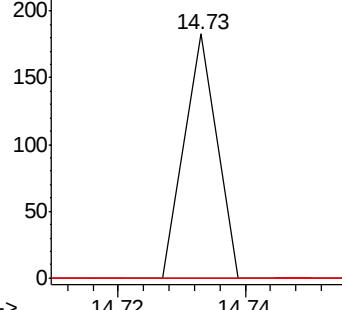
Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 5.819 ng

RT: 15.19 min Scan# 2059

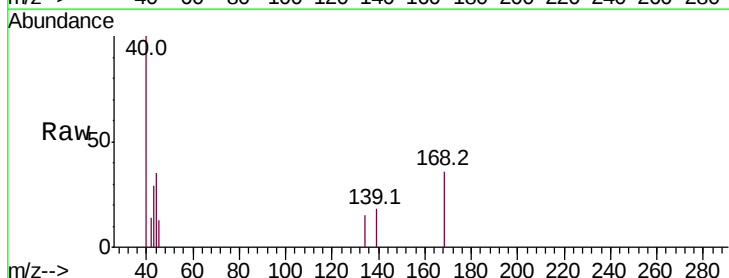
Delta R.T. 0.19 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

Tgt Ion:139 Resp: 75

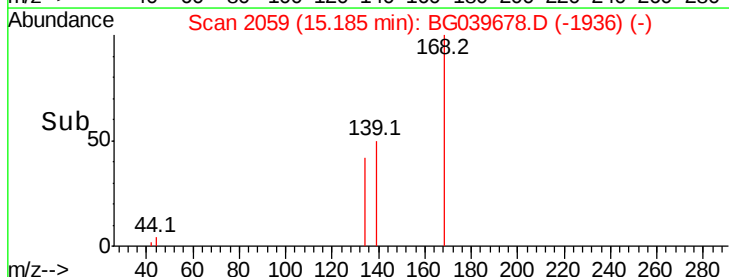
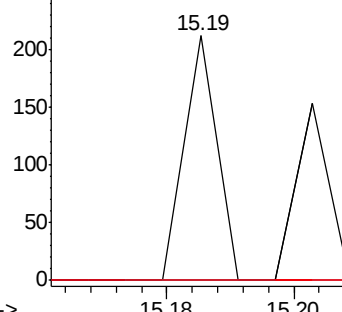
Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#

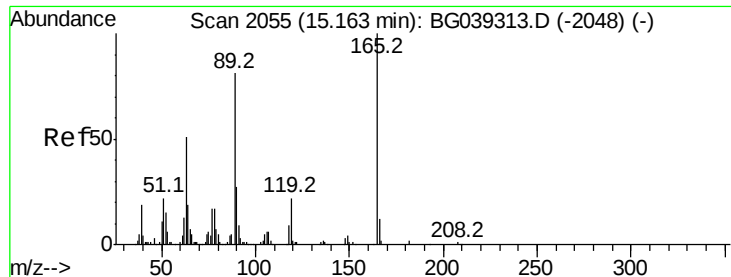


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.424 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039678.D

Acq: 1 Mar 2019 3:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 24241

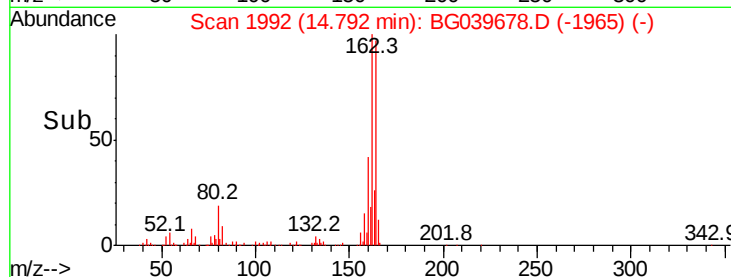
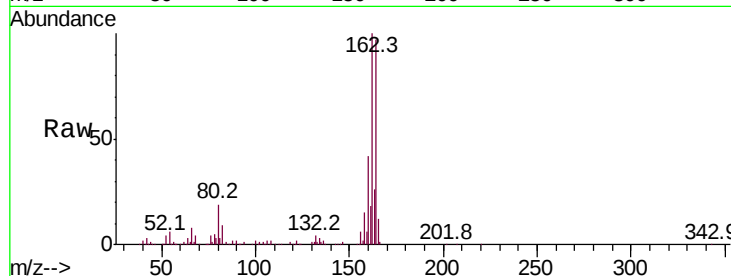
Ion Ratio Lower Upper

165 100

63 2.4 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

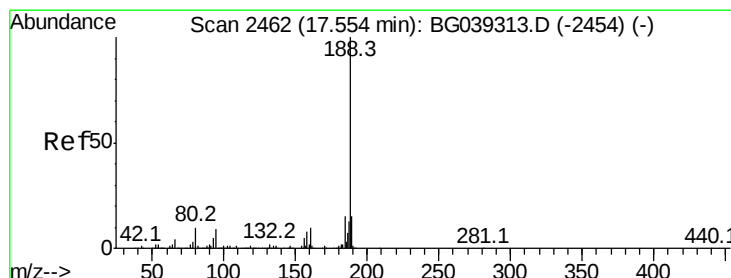
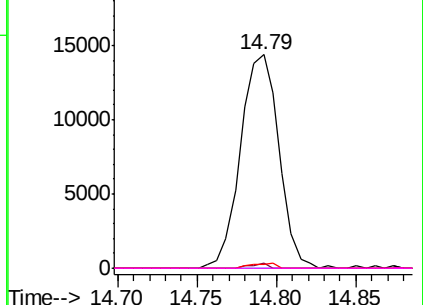


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG039678.D

Acq: 1 Mar 2019 3:36

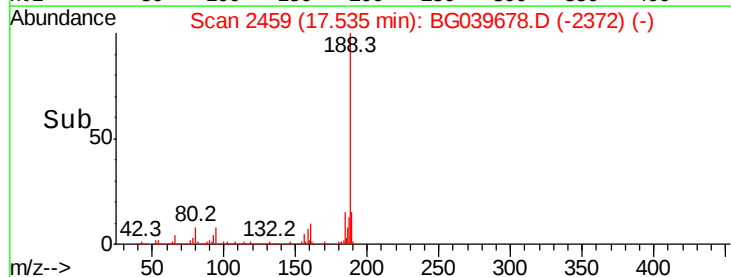
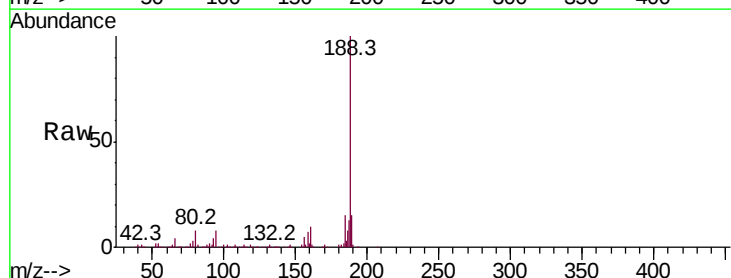
Tgt Ion:188 Resp: 452131

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

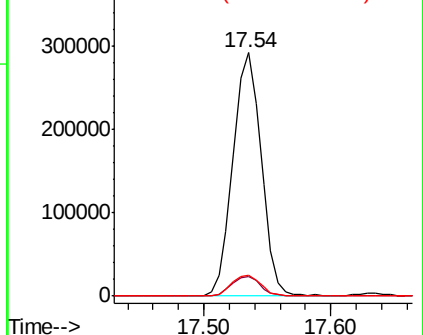
80 8.4 8.1 12.1

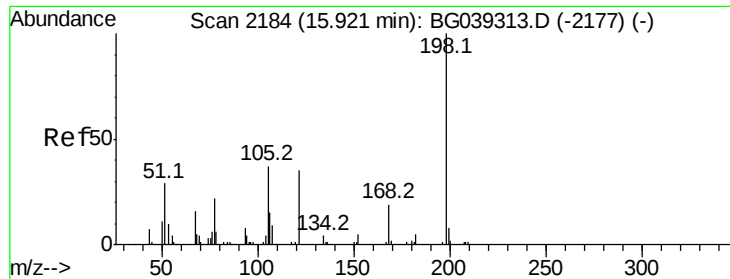


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

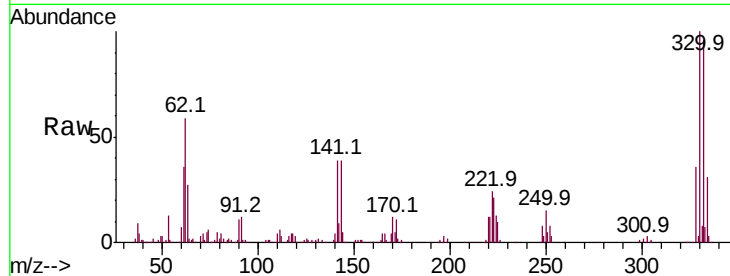




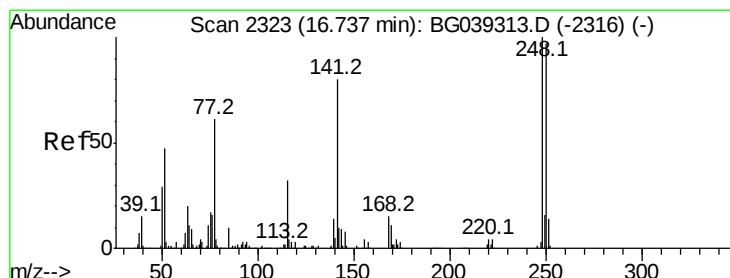
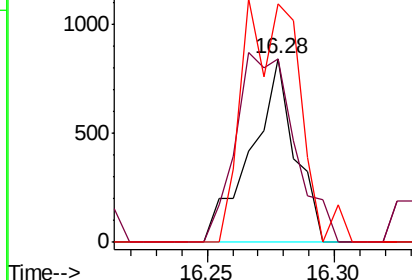
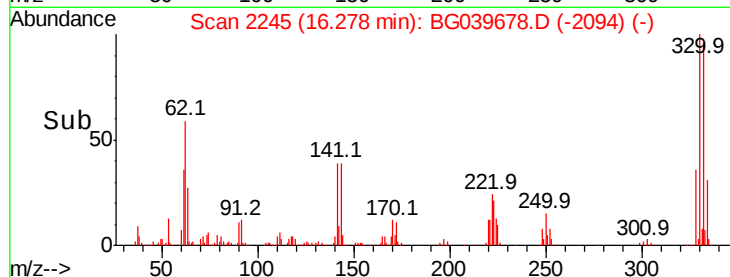
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.895 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 1016
 Ion Ratio Lower Upper
 198 100
 51 99.8 27.4 67.4#
 105 129.5 19.7 59.7#

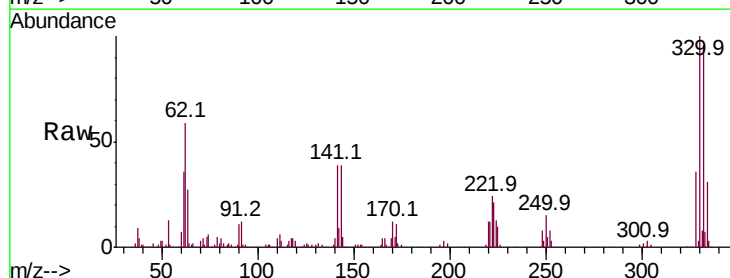


Abundance Ion 198.00 (197.70 to 198.70): E
 1500 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

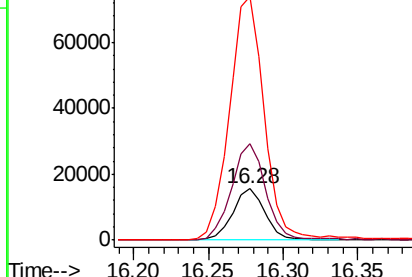
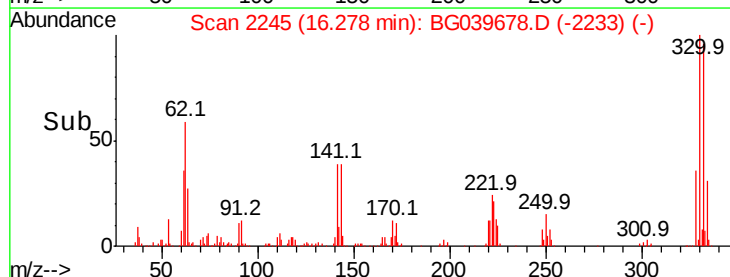


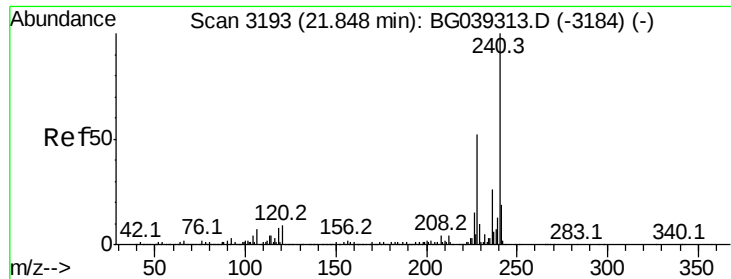
#67
 4-Bromophenyl-phenylether
 Concen: 4.721 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

Tgt Ion:248 Resp: 23682
 Ion Ratio Lower Upper
 248 100
 250 188.5 77.6 116.4#
 141 475.9 63.9 95.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 100000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

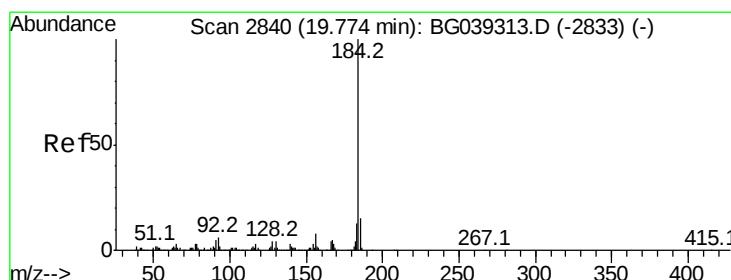
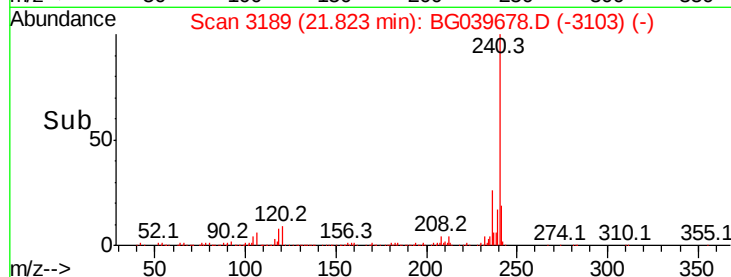
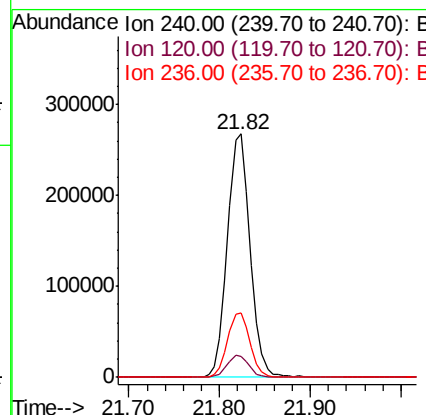
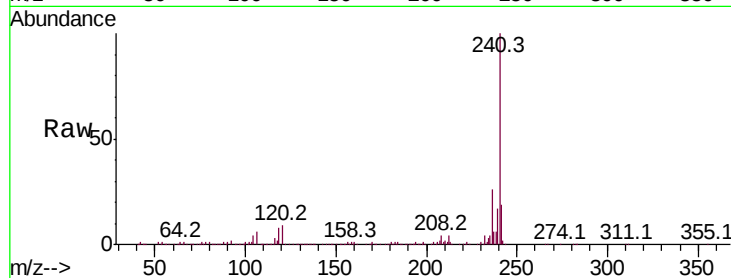




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

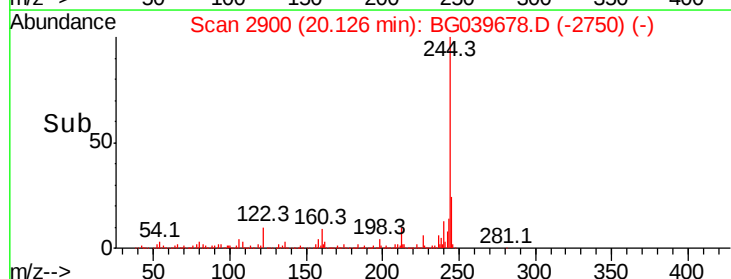
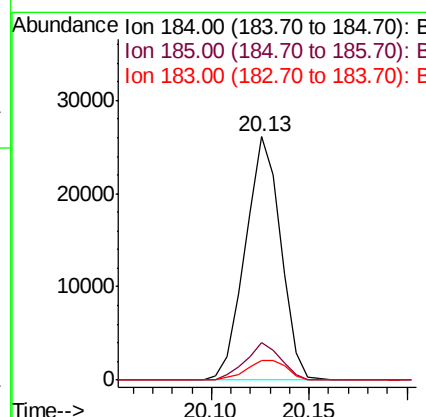
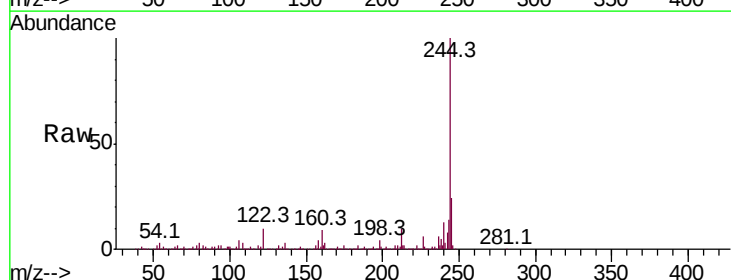
Instrument :
 BNA_G
 ClientSampleId :

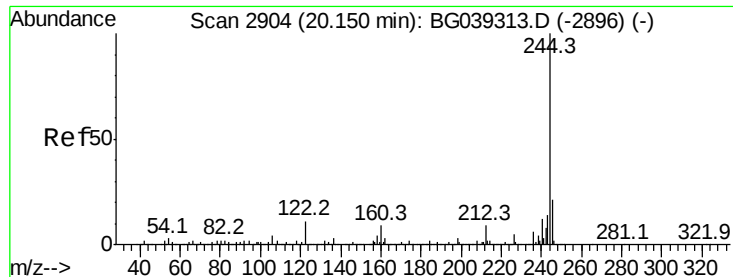
Tot Ion:240 Resp: 465026
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 26.2 21.0 31.4



#77
 Benzidine
 Concen: 2.152 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.35 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

Tgt Ion:184 Resp: 32809
 Ion Ratio Lower Upper
 184 100
 185 15.5 12.2 18.2
 183 8.2 10.6 15.8#



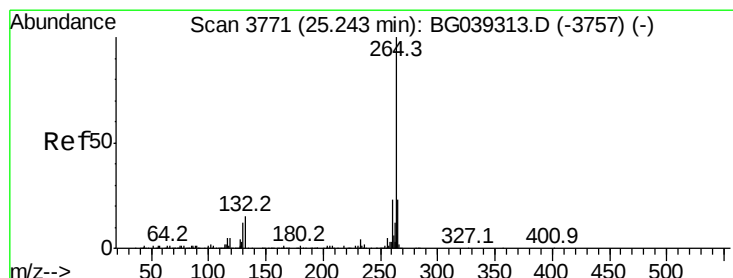
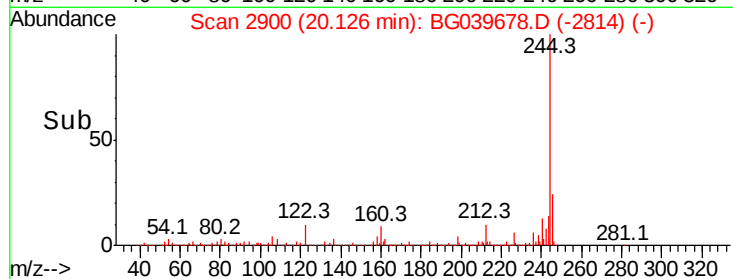
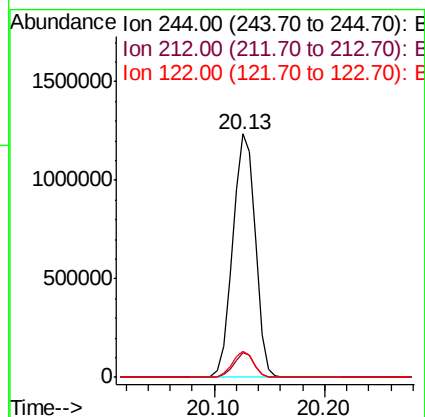
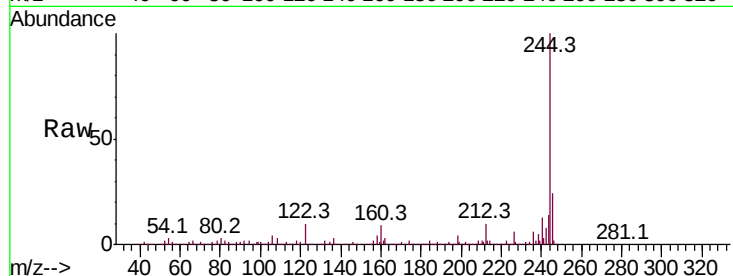


#79
 Terphenyl-d14
 Concen: 80.827 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1775726

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.3	10.9
122	10.5	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3763
 Delta R.T. -0.05 min
 Lab File: BG039678.D
 Acq: 1 Mar 2019 3:36

Tgt Ion:264 Resp: 456636

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	20.7	18.5	27.7

