

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039675.D
 Acq On : 1 Mar 2019 00:50
 Operator : JU/SJ
 Sample : K1650-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:06:53 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

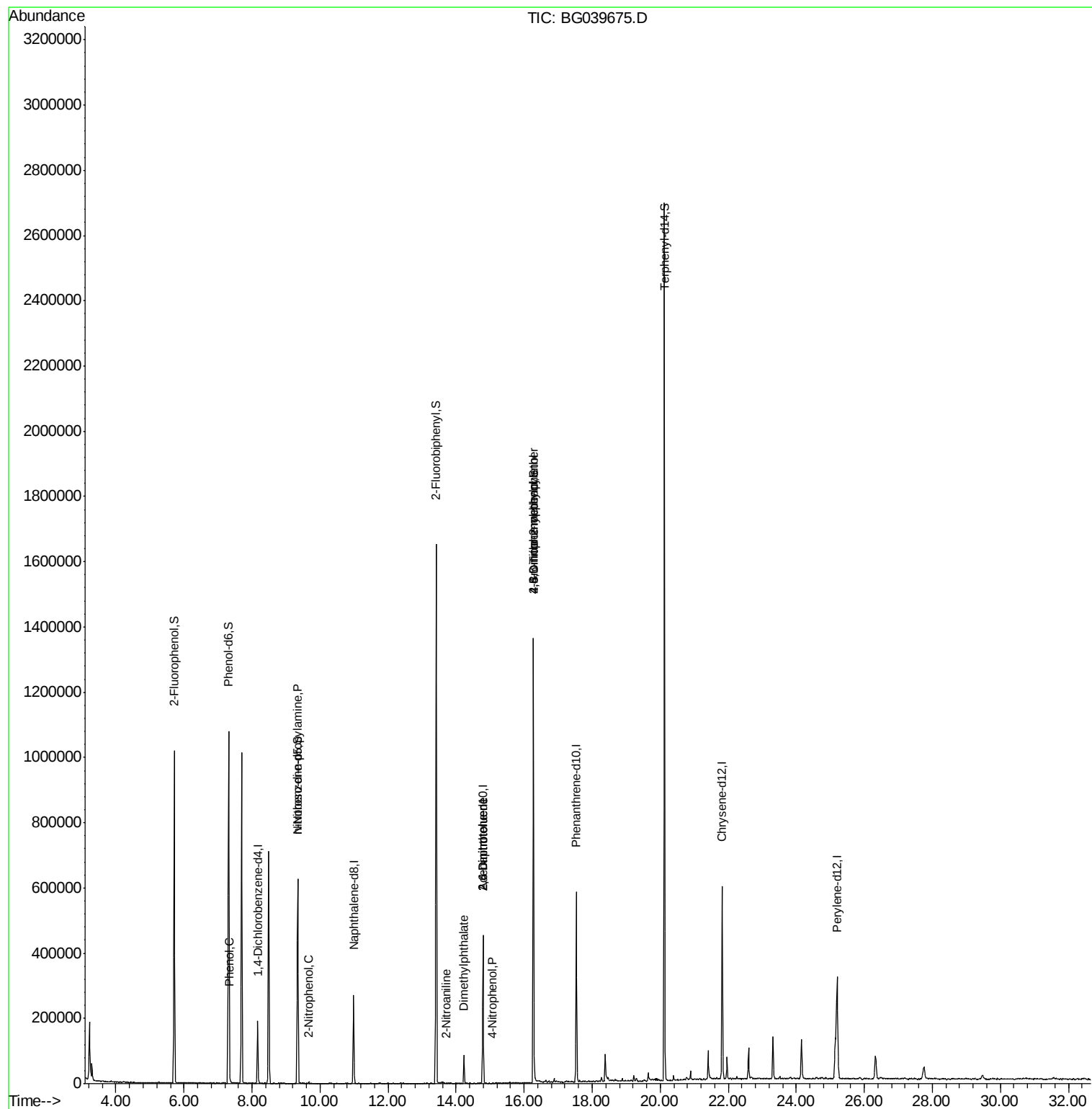
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	51834	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	232151	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	156089	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	365462	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	369079	20.00	ng	-0.03
87) Perylene-d12	25.20	264	371585	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	437822	144.56	ng	0.00
7) Phenol-d6	7.31	99	624498	140.09	ng	0.00
23) Nitrobenzene-d5	9.34	82	373874	100.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	244262	145.32	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	879091	80.79	ng	-0.02
79) Terphenyl-d14	20.12	244	1247568	71.55	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.31	77	1104	Below Cal	Qvalue	# 4
10) Phenol	7.34	94	10718	2.306 ng	#	89
19) n-Nitroso-di-n-propylamine	9.34	70	49263	15.569 ng	#	68
26) 2-Nitrophenol	9.68	139	65	4.054 ng	#	31
48) 2-Nitroaniline	13.71	65	56	8.313 ng	#	10
50) Dimethylphthalate	14.23	163	62320	4.944 ng	#	97
51) 2,6-Dinitrotoluene	14.79	165	20256	13.982 ng	#	24
56) 4-Nitrophenol	15.05	139	63	5.819 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	20256	13.443 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.27	198	1110	5.148 ng	#	12
67) 4-Bromophenyl-phenylether	16.27	248	18628	4.595 ng	#	1

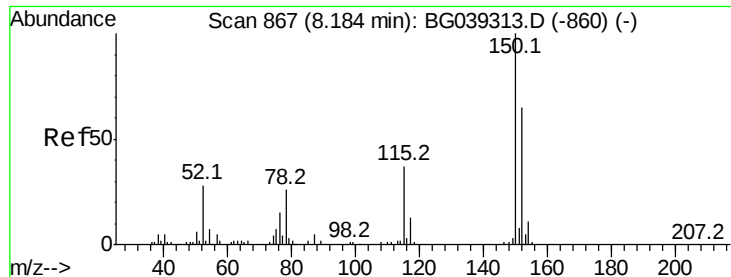
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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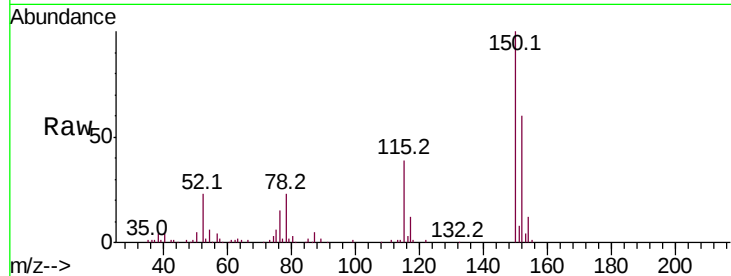


#1

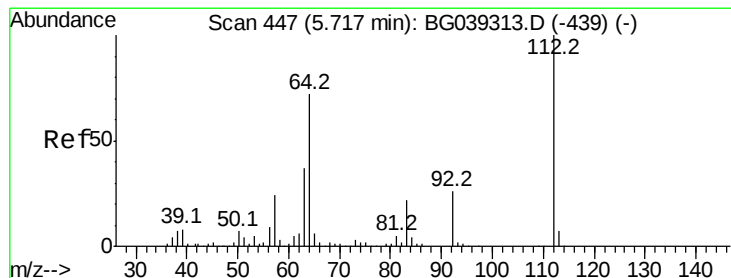
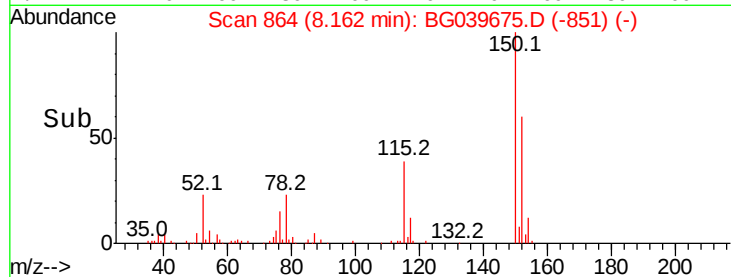
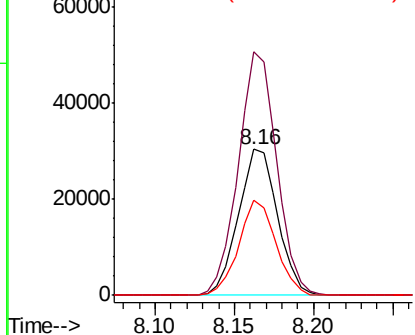
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51834
Ion Ratio Lower Upper
152 100
150 166.6 123.7 185.5
115 65.5 45.9 68.9



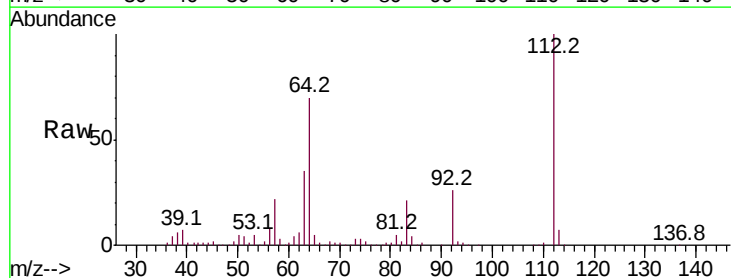
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



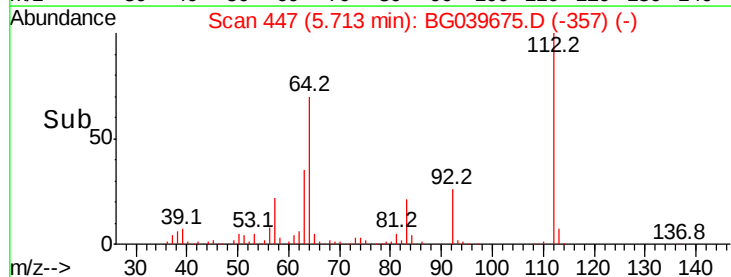
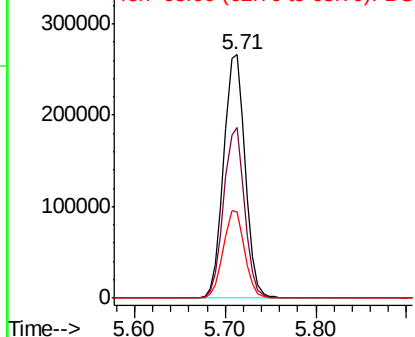
#5

2-Fluorophenol
Concen: 144.565 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

Tgt Ion:112 Resp: 437822
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 35.2 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: 140.086 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Instrument :

BNA_G

ClientSampled :

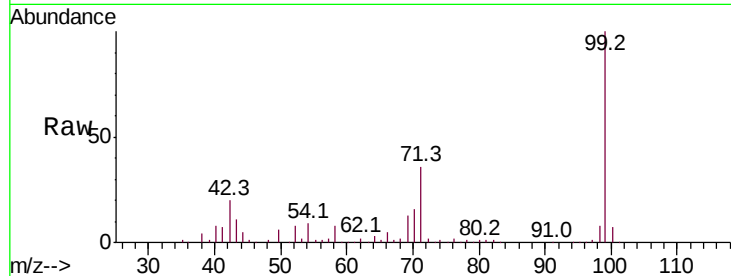
Tot Ion: 99 Resp: 624498

Ion Ratio Lower Upper

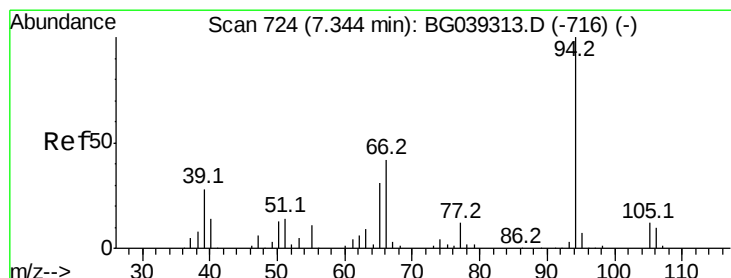
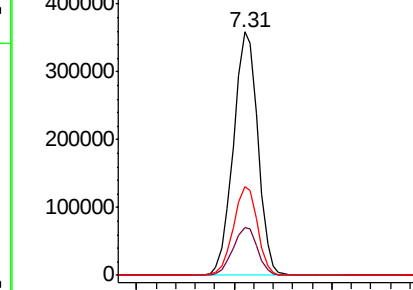
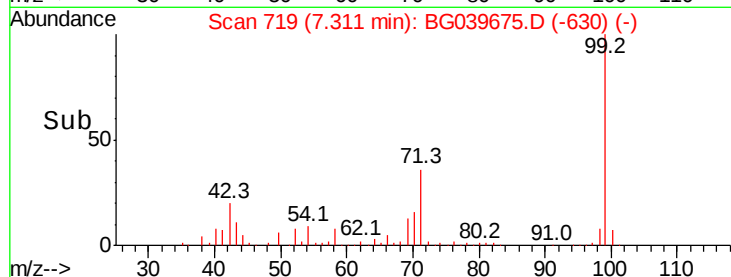
99 100

42 19.7 18.2 27.2

71 36.5 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



#10

Phenol

Concen: 2.306 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

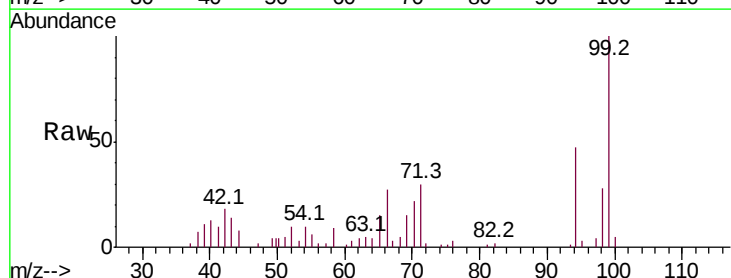
Tgt Ion: 94 Resp: 10718

Ion Ratio Lower Upper

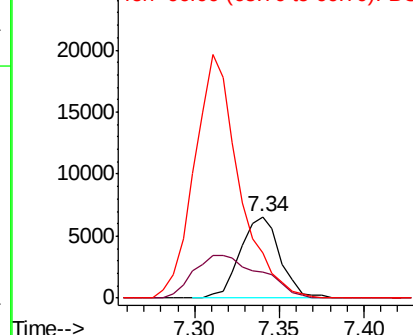
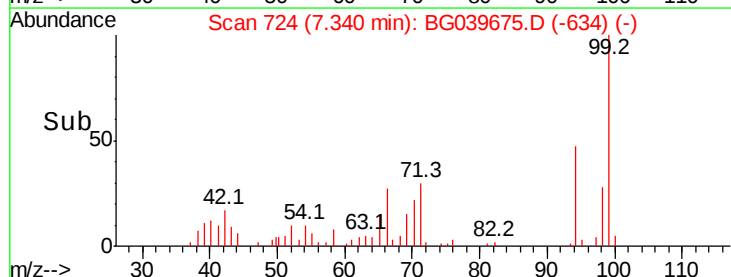
94 100

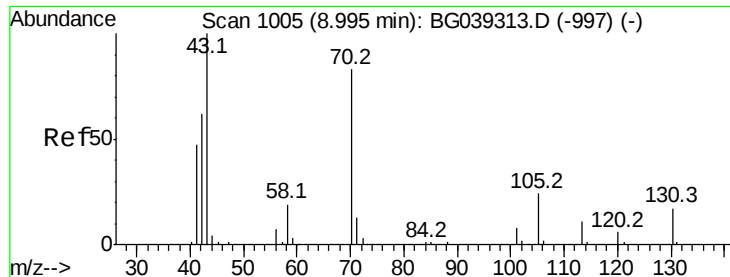
65 31.6 11.7 51.7

66 56.2 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

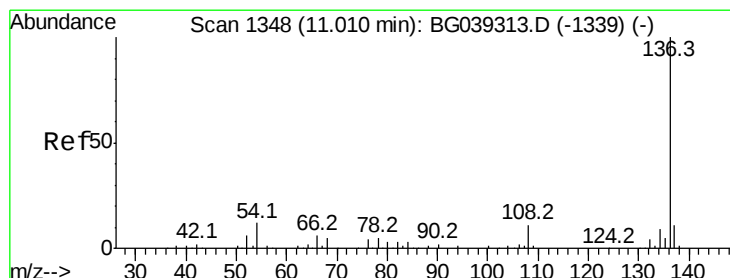
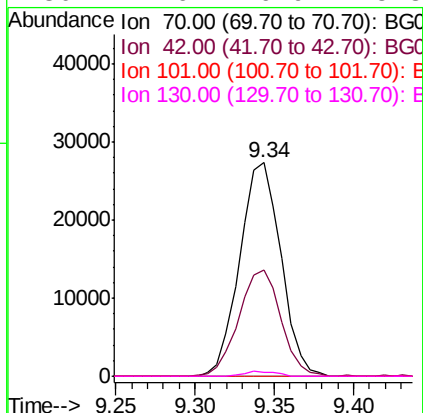
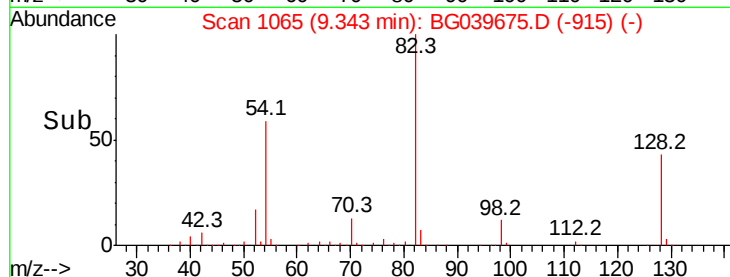
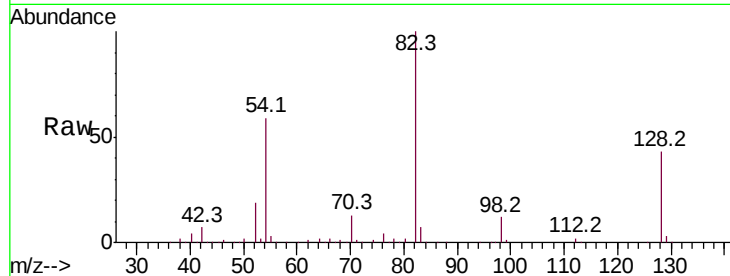




#19
n-Nitroso-di-n-propylamine
Concen: 15.569 ng
RT: 9.34 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

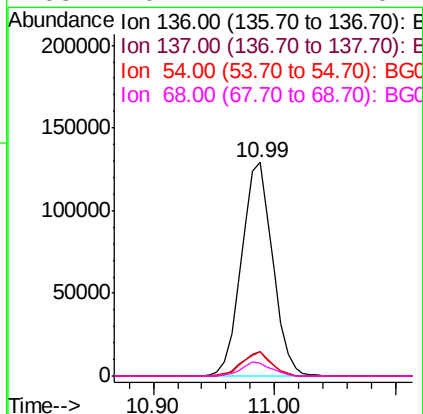
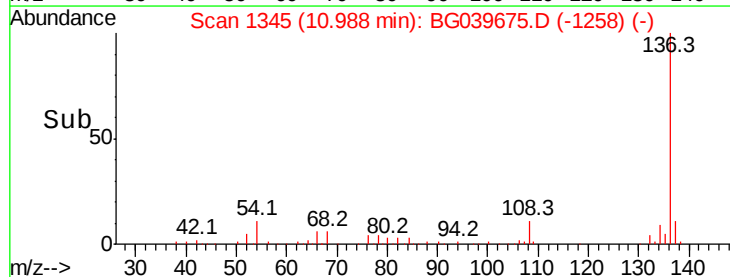
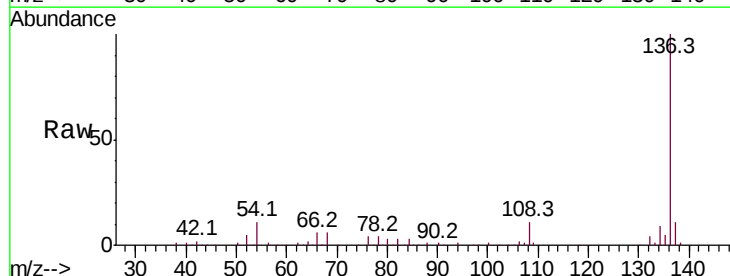
Instrument :
BNA_G
ClientSampleId :

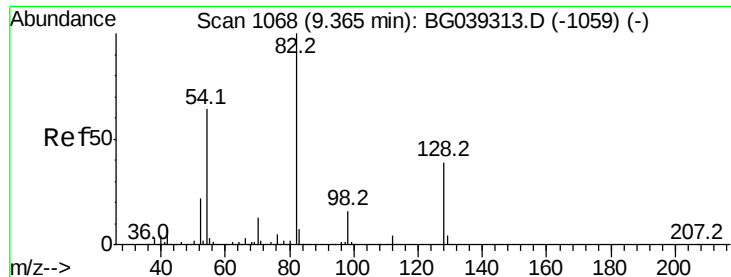
Tot Ion: 70 Resp: 49263
Ion Ratio Lower Upper
70 100
42 49.5 60.4 90.6#
101 0.0 7.5 11.3#
130 1.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

Tgt Ion:136 Resp: 232151
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.2 9.4 14.2
68 6.1 4.2 6.4





#23

Nitrobenzene-d5

Concen: 100.609 ng

RT: 9.34 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Instrument :

BNA_G

ClientSampleId :

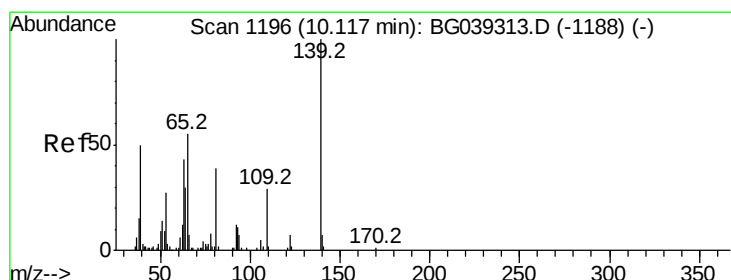
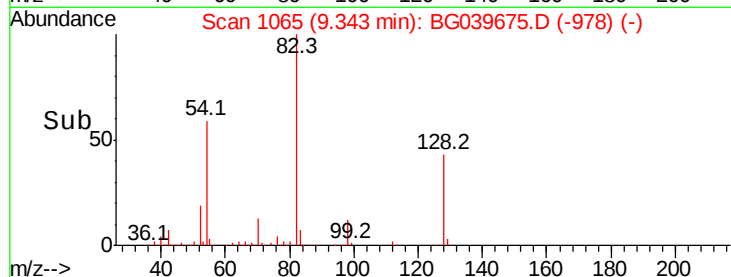
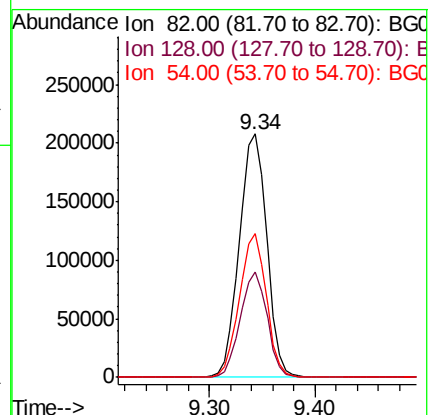
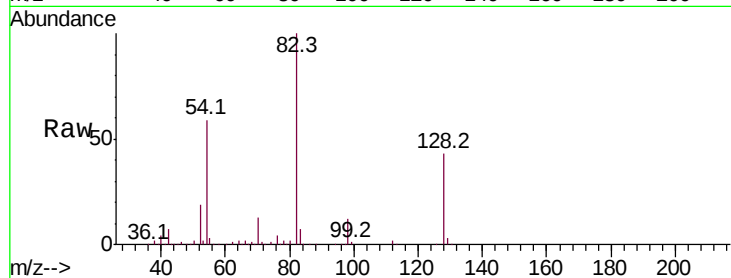
Tot Ion: 82 Resp: 373874

Ion Ratio Lower Upper

82 100

128 43.3 31.3 46.9

54 59.2 50.9 76.3



#26

2-Nitrophenol

Concen: 4.054 ng

RT: 9.68 min Scan# 1122

Delta R.T. -0.44 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

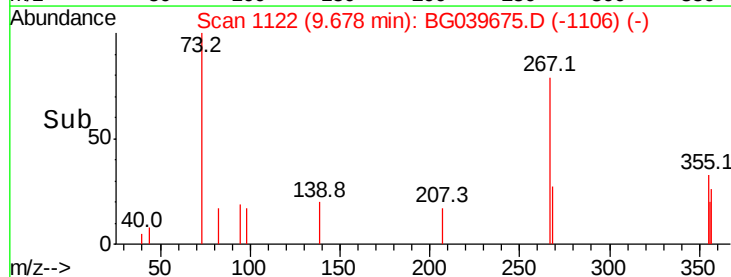
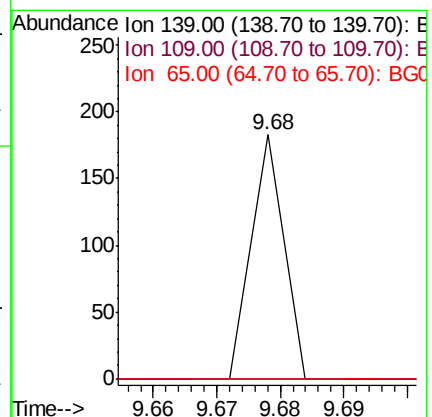
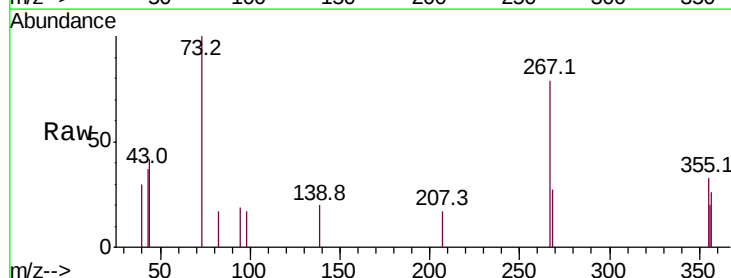
Tgt Ion: 139 Resp: 65

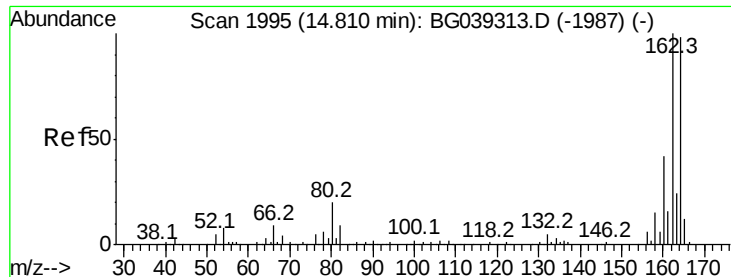
Ion Ratio Lower Upper

139 100

109 0.0 23.4 35.0#

65 0.0 44.3 66.5#

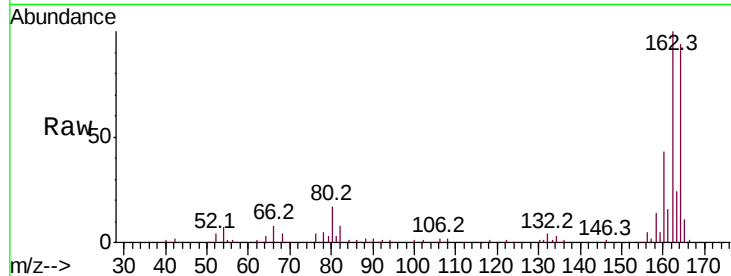




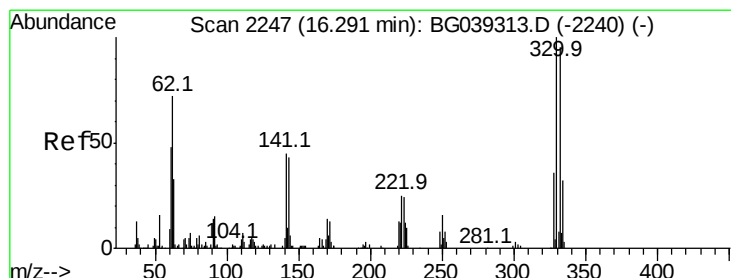
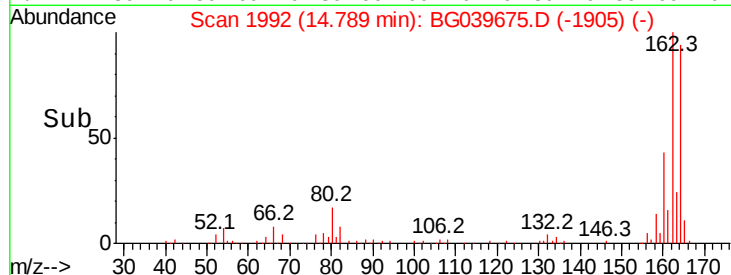
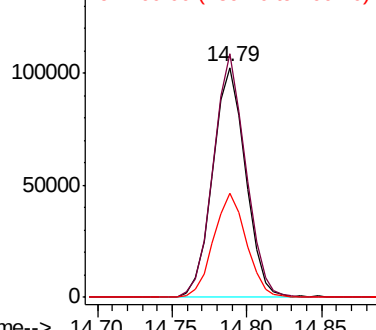
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 156089
Ion Ratio Lower Upper
164 100
162 106.0 81.6 122.4
160 45.1 34.2 51.2

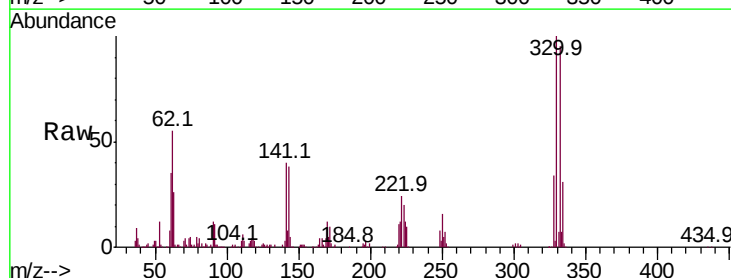


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

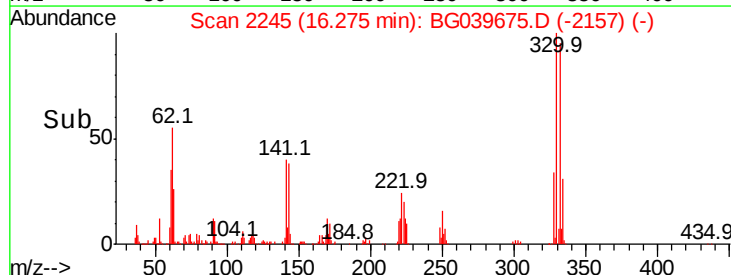
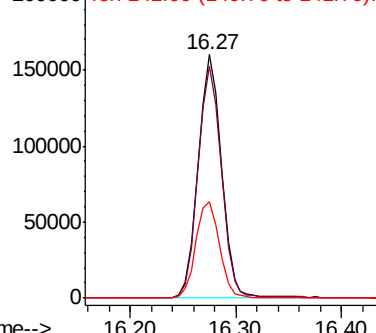


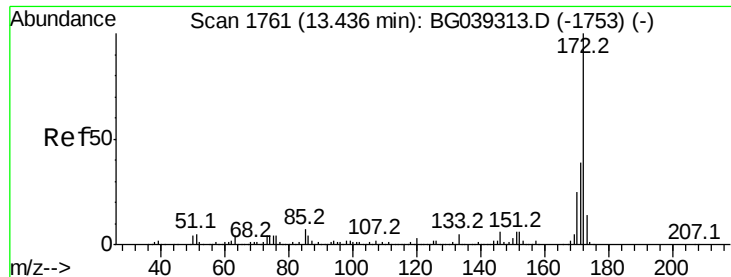
#42
2,4,6-Tribromophenol
Concen: 145.324 ng
RT: 16.27 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BG039675.D
Acq: 1 Mar 2019 00:50

Tgt Ion:330 Resp: 244262
Ion Ratio Lower Upper
330 100
332 96.0 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

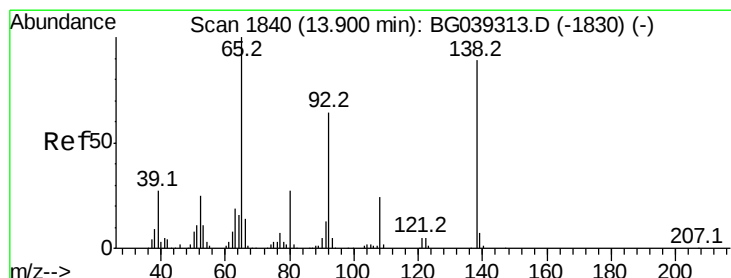
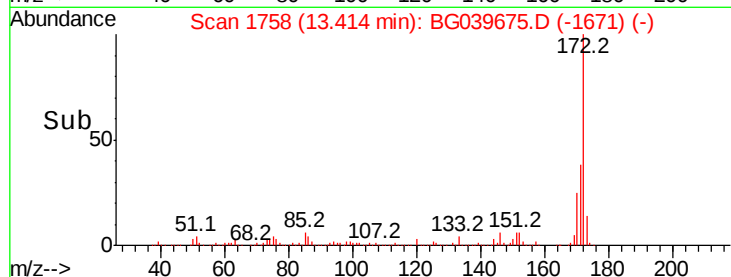
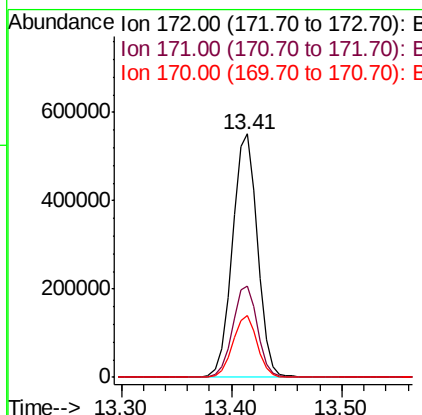
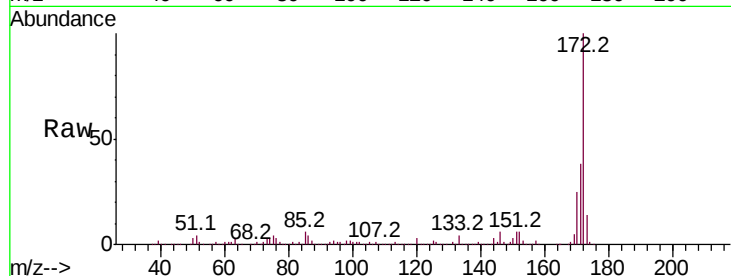




#45
 2-Fluorobiphenyl
 Concen: 80.794 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039675.D
 Acq: 1 Mar 2019 00:50

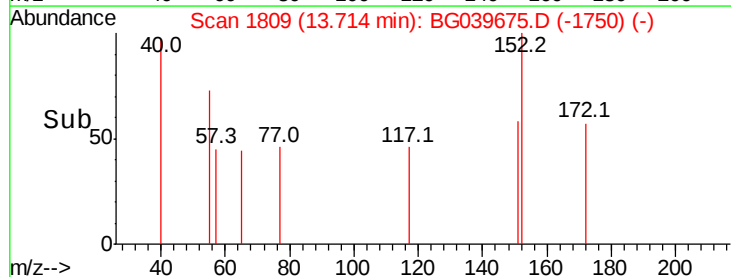
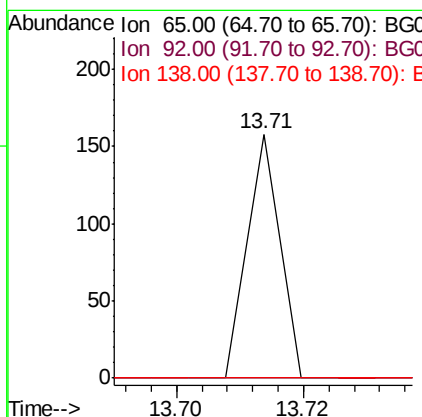
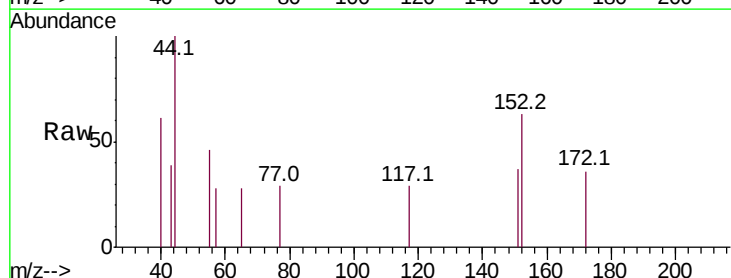
Instrument :
 BNA_G
 ClientSampleId :

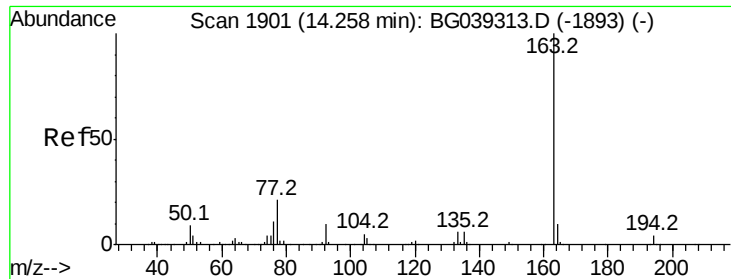
Tot Ion:172 Resp: 879091
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 25.2 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.313 ng
 RT: 13.71 min Scan# 1809
 Delta R.T. -0.19 min
 Lab File: BG039675.D
 Acq: 1 Mar 2019 00:50

Tgt Ion: 65 Resp: 56
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.944 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Instrument :

BNA_G

ClientSampleId :

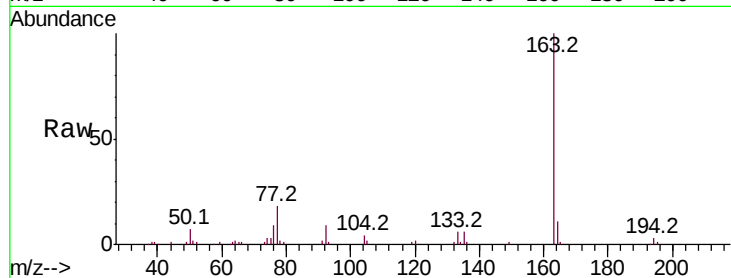
Tot Ion:163 Resp: 62320

Ion Ratio Lower Upper

163 100

194 3.3 3.6 5.4#

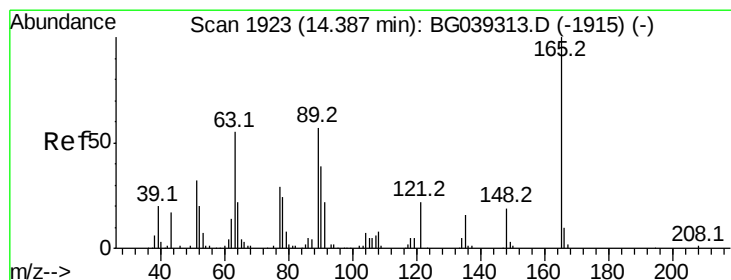
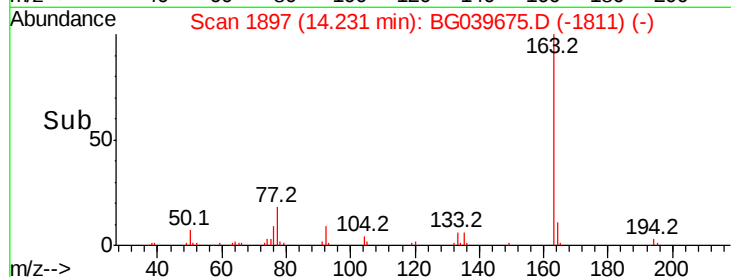
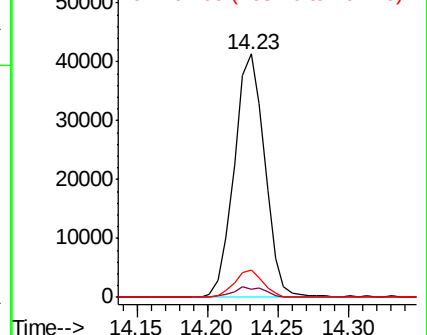
164 11.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 13.982 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

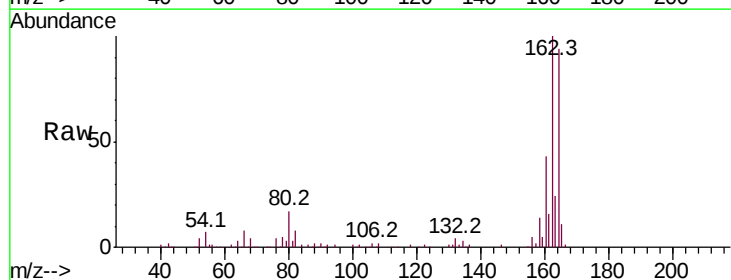
Tgt Ion:165 Resp: 20256

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.6#

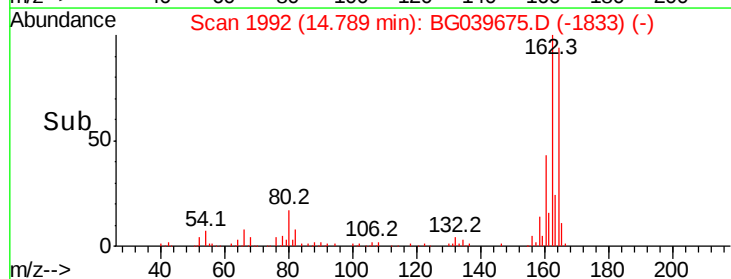
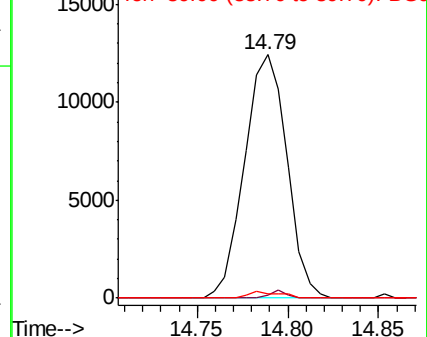
89 2.0 45.8 68.8#

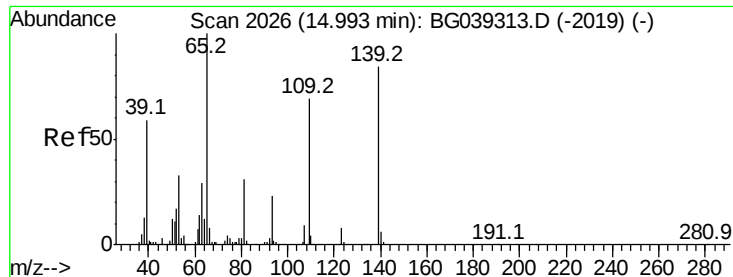


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

4-Nitrophenol

Concen: 5.819 ng

RT: 15.05 min Scan# 2036

Delta R.T. 0.06 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

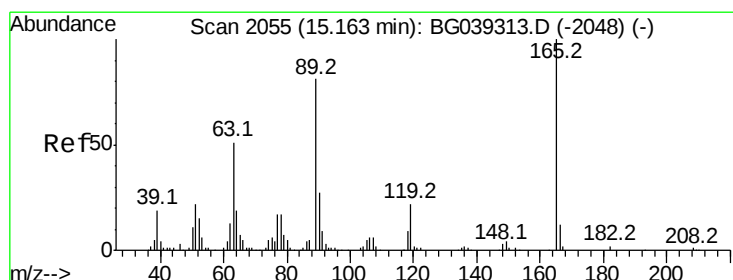
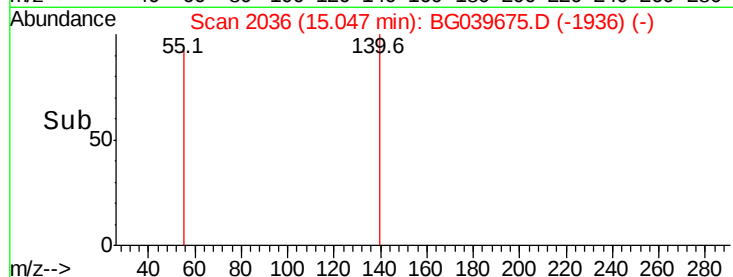
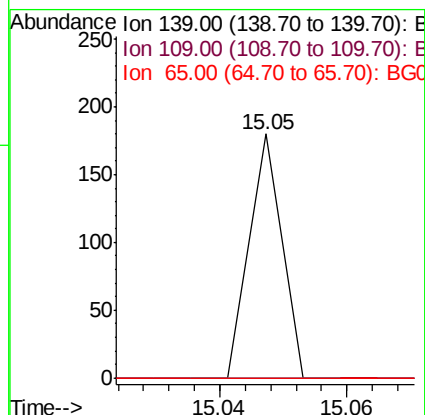
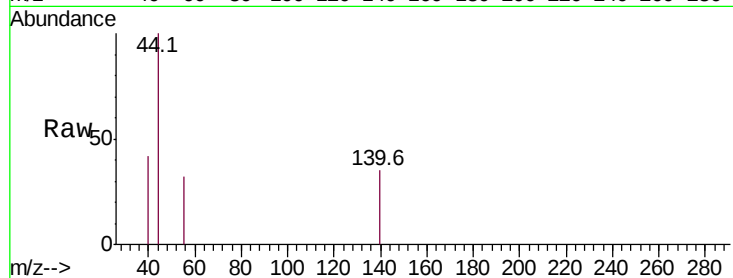
Instrument :

BNA_G

ClientSampled :

Tot Ion:139 Resp: 63

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: 13.443 ng

RT: 14.79 min Scan# 1992

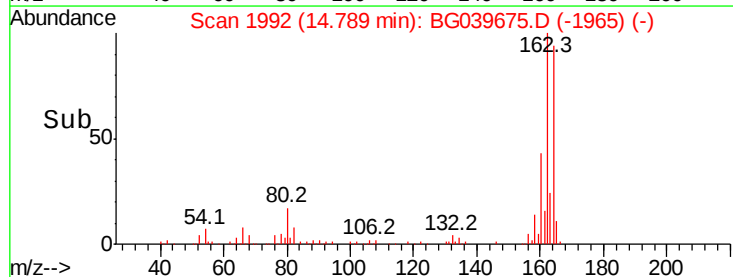
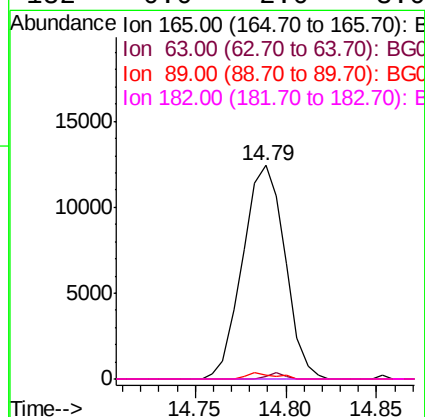
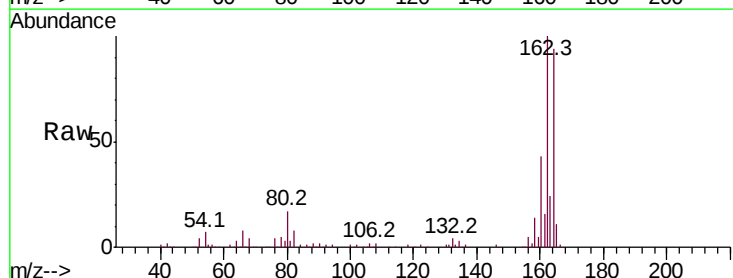
Delta R.T. -0.37 min

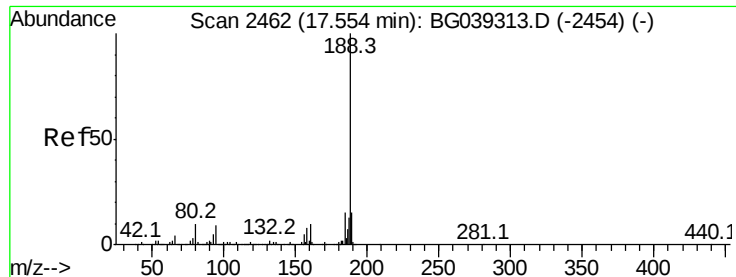
Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Tgt Ion:165 Resp: 20256

Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Instrument :

BNA_G

ClientSampleId :

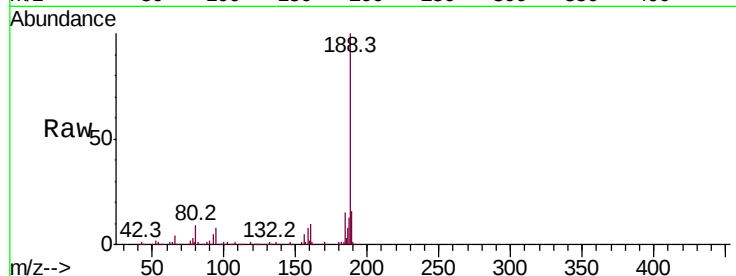
Tot Ion:188 Resp: 365462

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

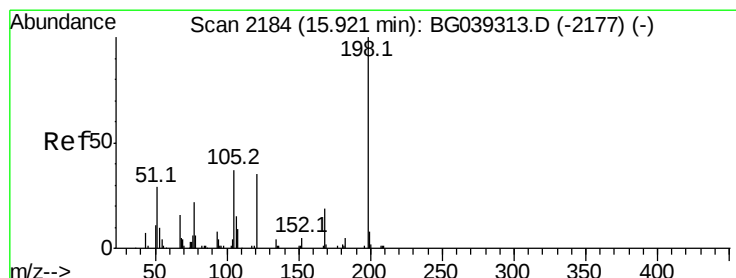
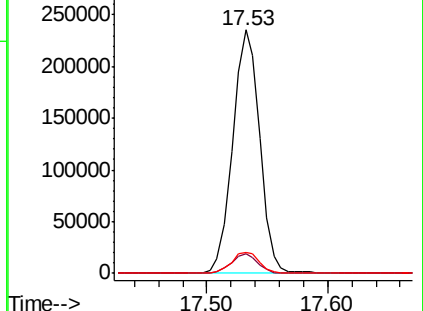
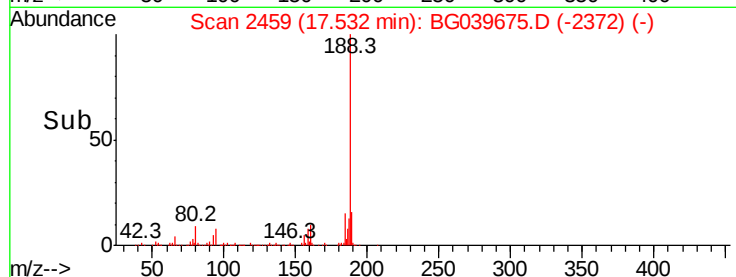
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 5.148 ng

RT: 16.27 min Scan# 2245

Delta R.T. 0.35 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

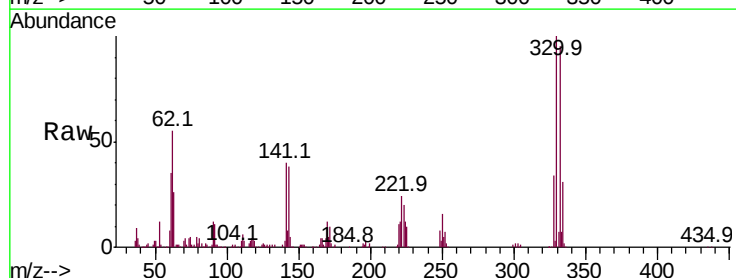
Tgt Ion:198 Resp: 1110

Ion Ratio Lower Upper

198 100

51 96.5 27.4 67.4#

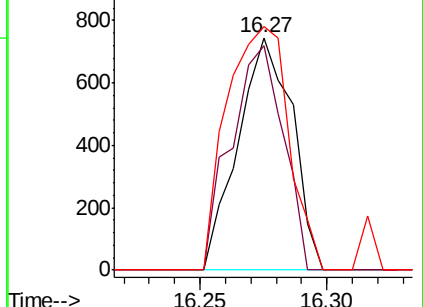
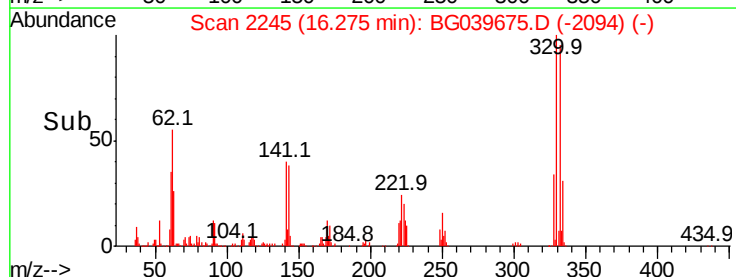
105 104.7 19.7 59.7#

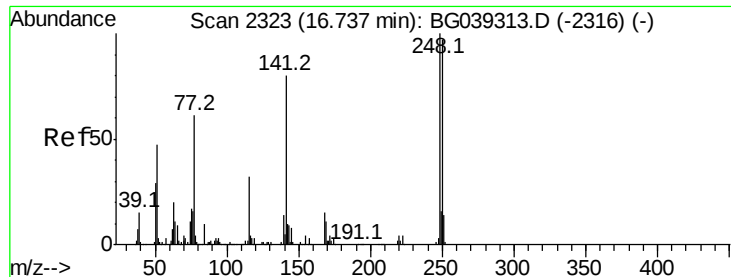


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

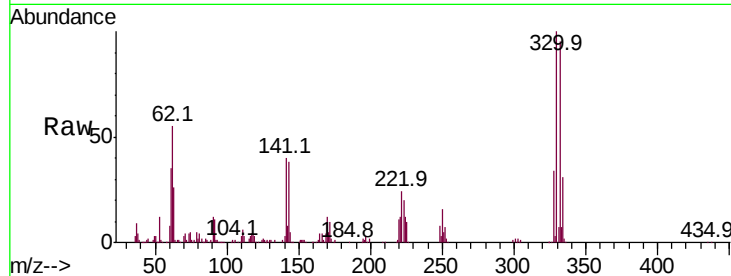




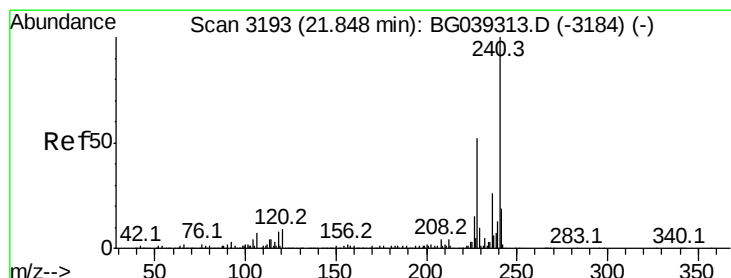
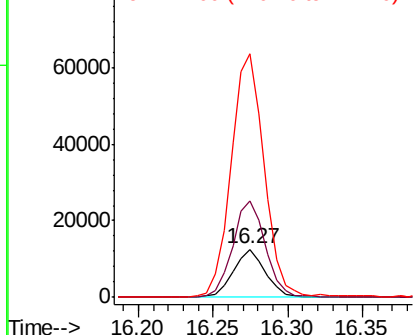
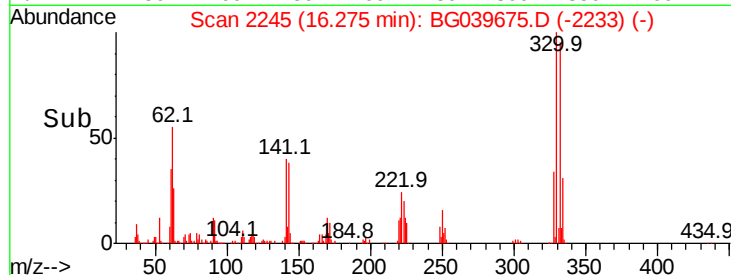
#67
 4-Bromophenyl-phenylether
 Concen: 4.595 ng
 RT: 16.27 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039675.D
 Acq: 1 Mar 2019 00:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18628
 Ion Ratio Lower Upper
 248 100
 250 202.6 77.6 116.4#
 141 509.5 63.9 95.9#

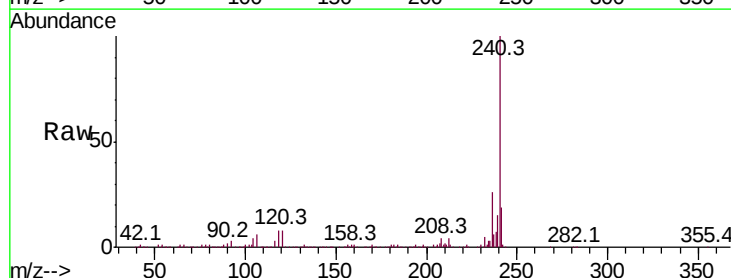


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

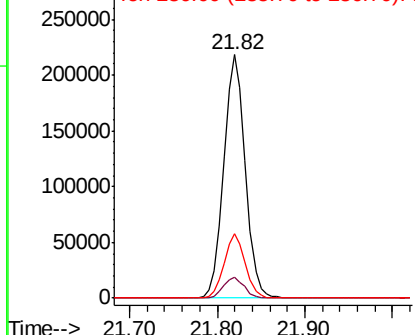
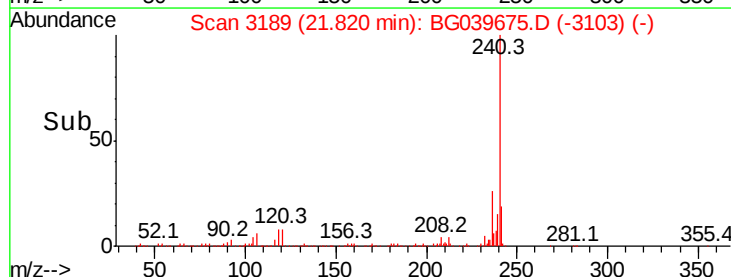


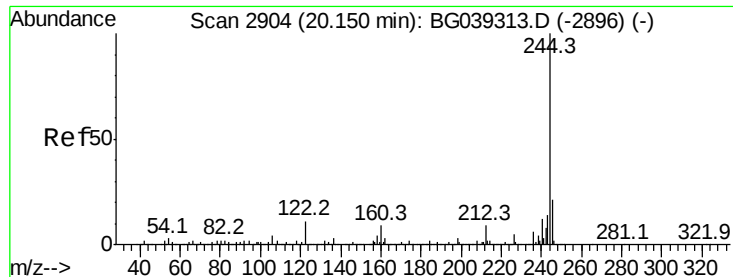
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039675.D
 Acq: 1 Mar 2019 00:50

Tgt Ion:240 Resp: 369079
 Ion Ratio Lower Upper
 240 100
 120 8.4 7.0 10.6
 236 26.4 21.0 31.4



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





#79

Terphenyl-d14

Concen: 71.549 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

Instrument :

BNA_G

ClientSampled :

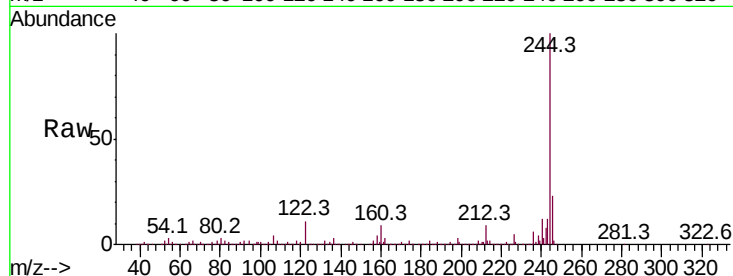
Tot Ion:244 Resp: 1247568

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

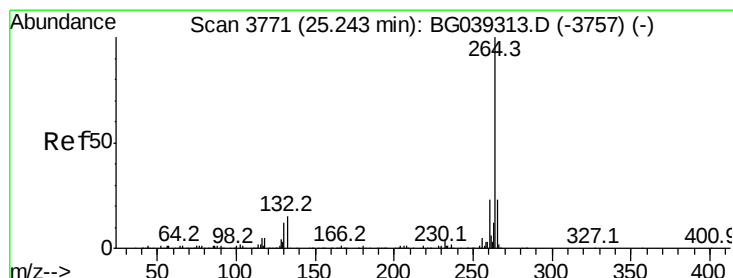
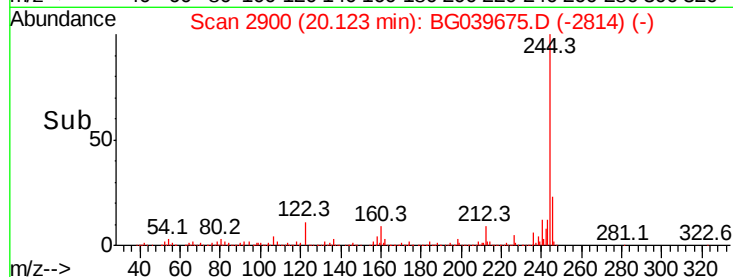
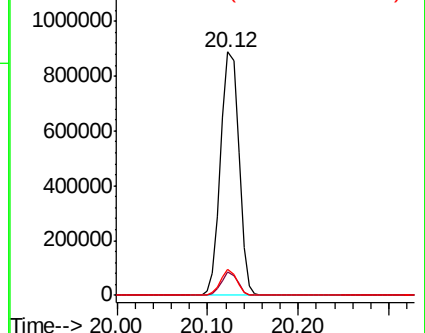
122 10.5 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.05 min

Lab File: BG039675.D

Acq: 1 Mar 2019 00:50

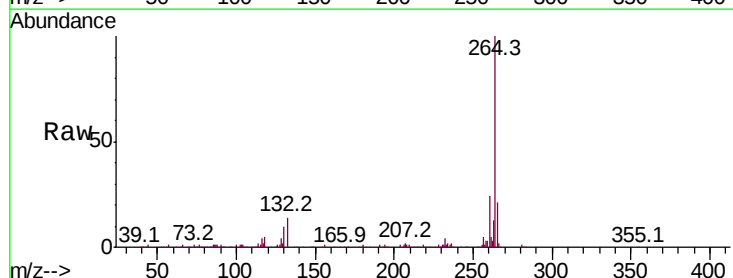
Tgt Ion:264 Resp: 371585

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 20.8 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

