

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039494.D
 Acq On : 13 Feb 2019 18:38
 Operator : JU/SJ
 Sample : K1343-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-B

Quant Time: Feb 14 02:48:28 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	46434	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	205434	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	152990	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	391183	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	417010	20.00	ng	-0.02
87) Perylene-d12	25.21	264	403465	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	397804	146.63	ng	0.00
7) Phenol-d6	7.31	99	538150	134.76	ng	-0.01
23) Nitrobenzene-d5	9.35	82	377659	114.84	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	254629	154.56	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	954137	89.47	ng	-0.02
79) Terphenyl-d14	20.13	244	1682886	85.42	ng	-0.02

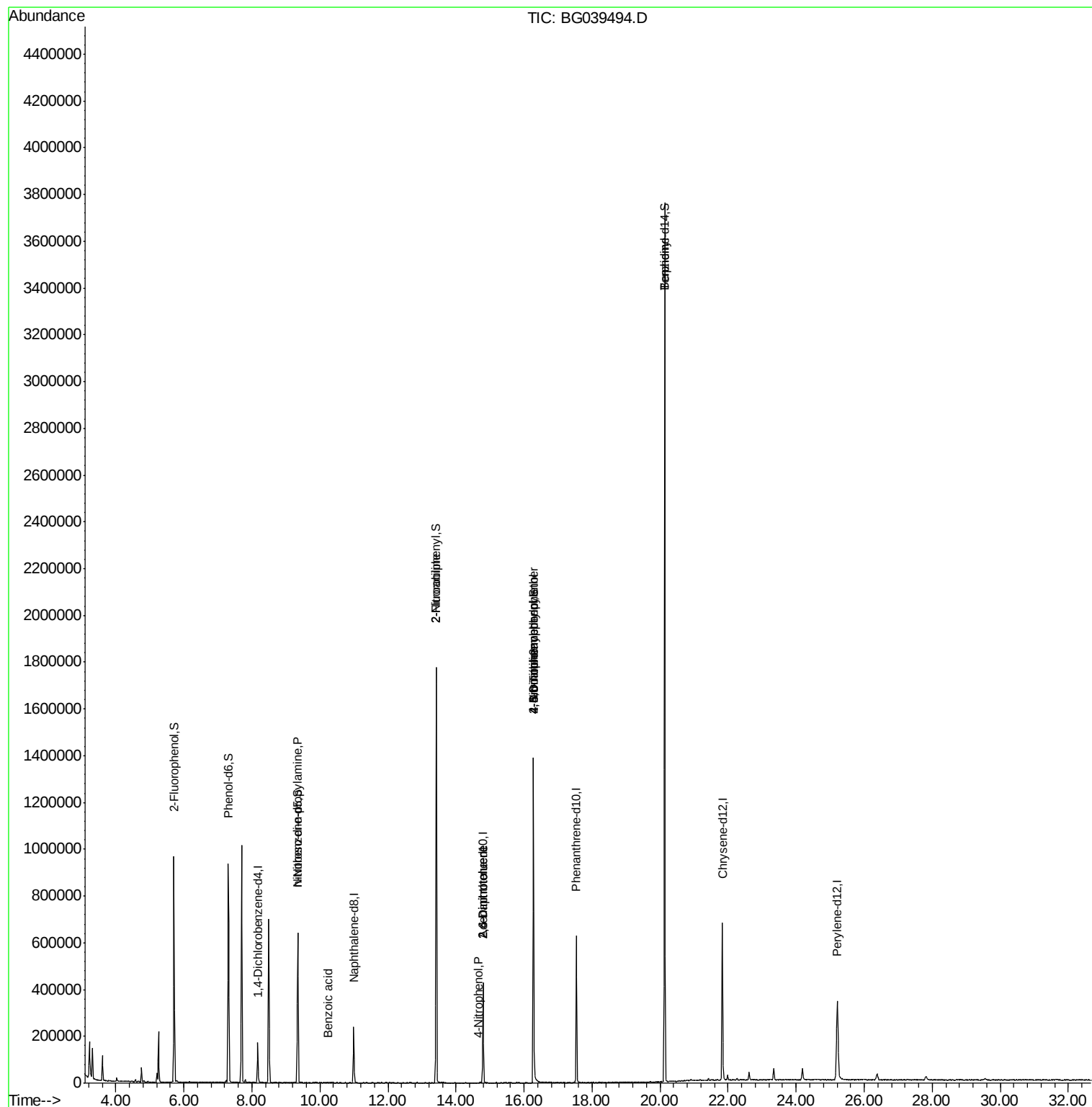
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	1086	Below Cal		# 21
19) n-Nitroso-di-n-propylamine	9.35	70	50231	17.722	ng	# 64
32) Benzoic acid	10.24	122	233	9.119	ng	# 72
48) 2-Nitroaniline	13.42	65	1665	8.797	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	19699	13.924	ng	# 24
56) 4-Nitrophenol	14.66	139	59	5.818	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	19699	13.399	ng	# 19
62) 4-Nitroaniline	16.27	138	59	4.223	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	858	4.878	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	19878	4.580	ng	# 1
77) Benzidine	20.13	184	30731	2.248	ng	# 92

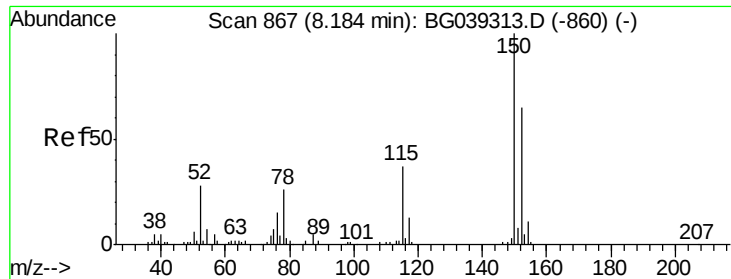
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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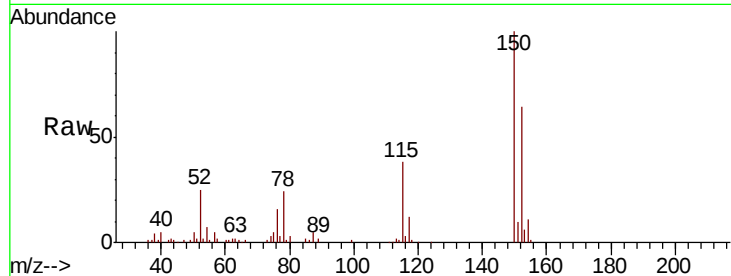


#1

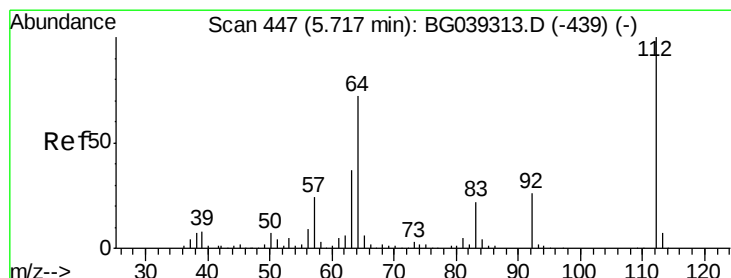
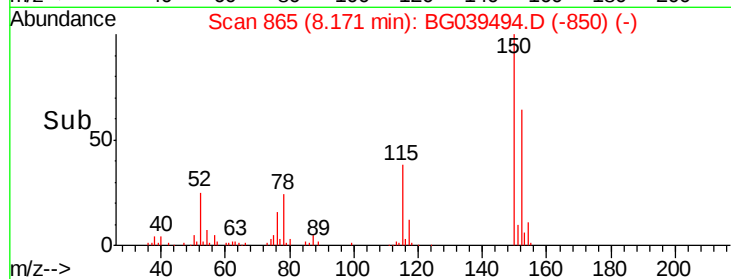
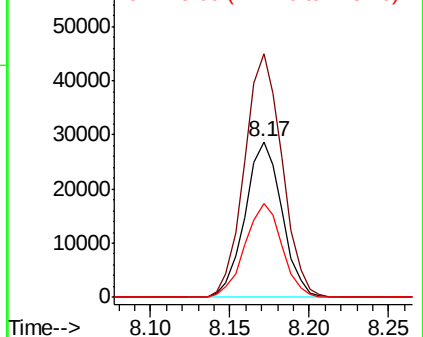
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-B

Tgt Ion:152 Resp: 46434
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 60.3 45.9 68.9



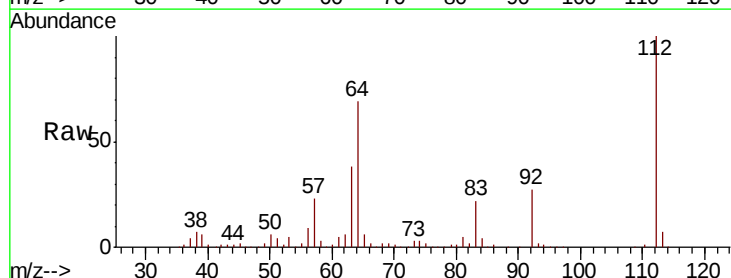
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



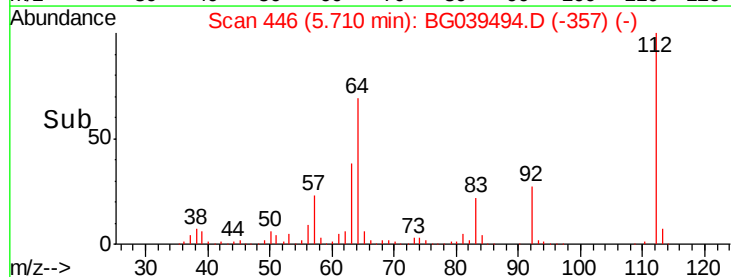
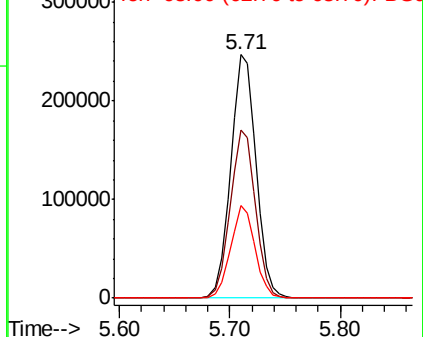
#5

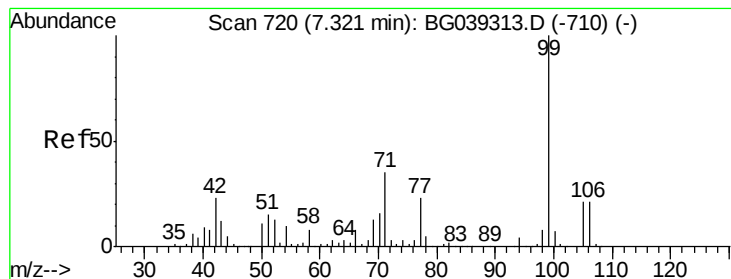
2-Fluorophenol
Concen: 146.626 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

Tgt Ion:112 Resp: 397804
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 38.0 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: 134.756 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

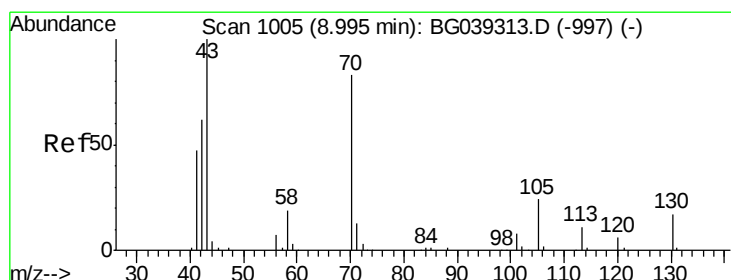
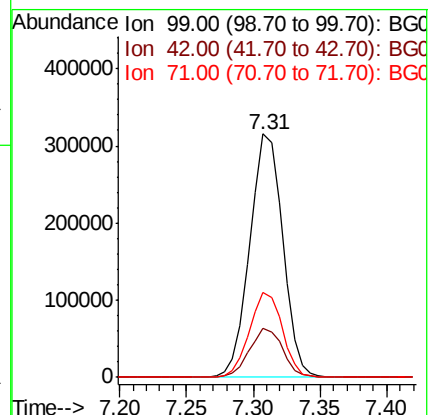
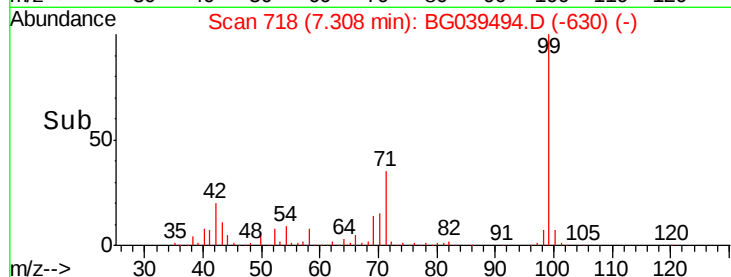
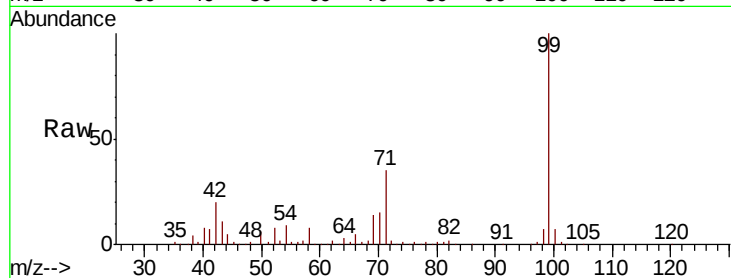
Tgt Ion: 99 Resp: 538150

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

71 34.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.722 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Tgt Ion: 70 Resp: 50231

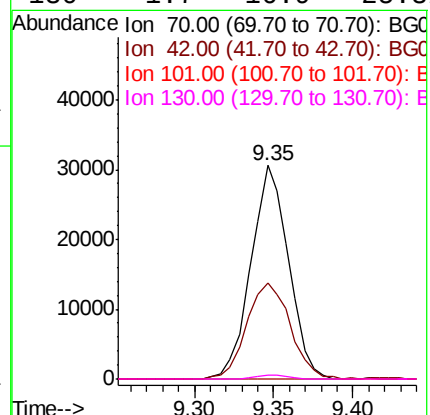
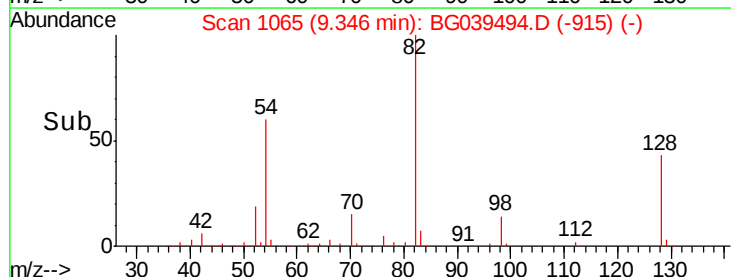
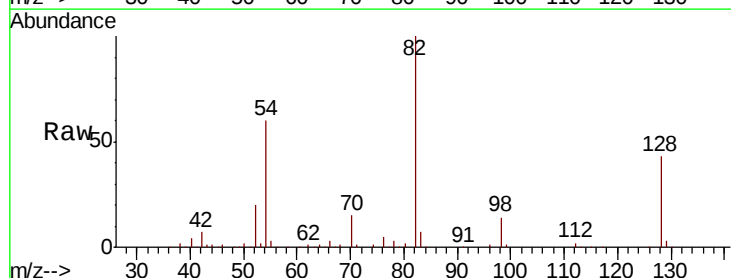
Ion Ratio Lower Upper

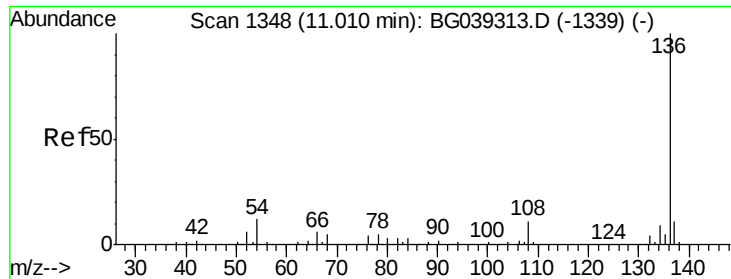
70 100

42 45.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#

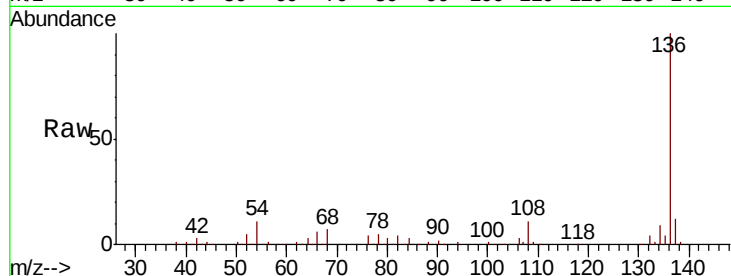




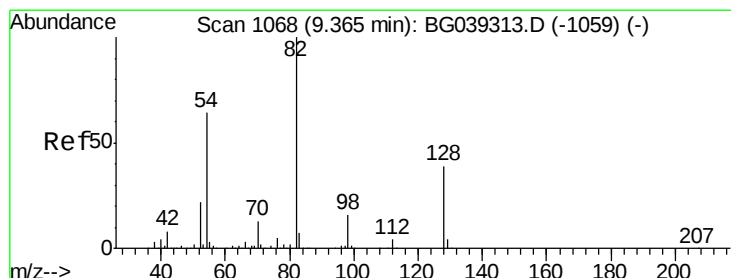
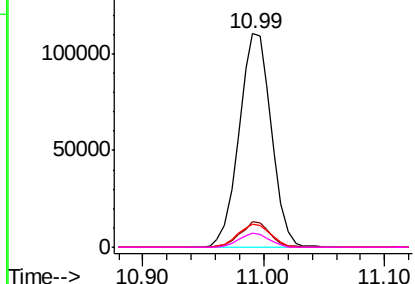
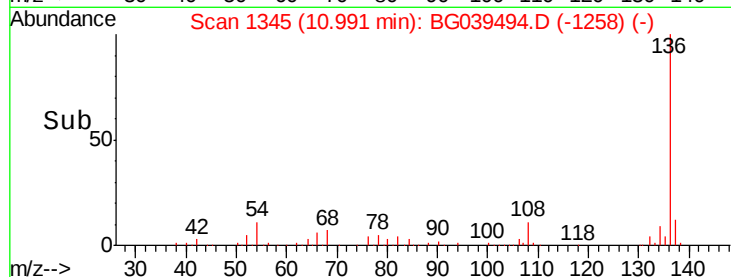
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-B

Tgt Ion:	136	Resp:	205434
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.1	13.7
54	11.1	9.4	14.2
68	6.7	4.2	6.4#

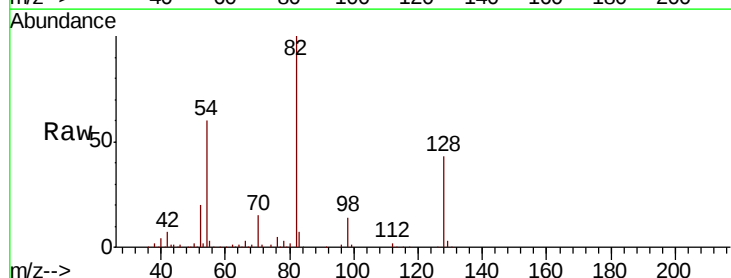


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

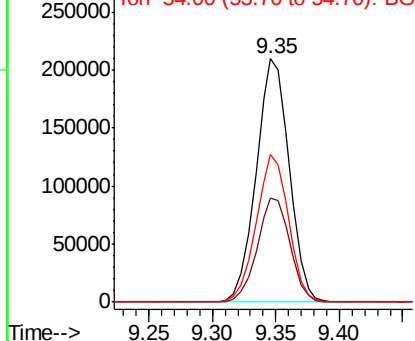
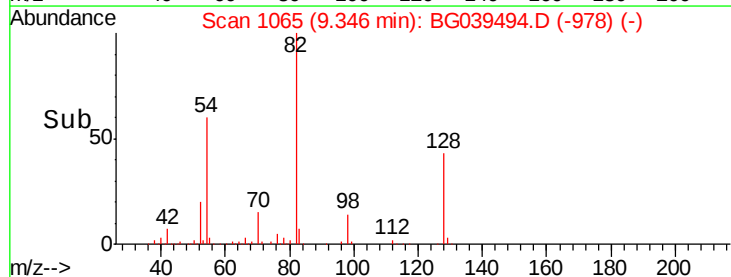


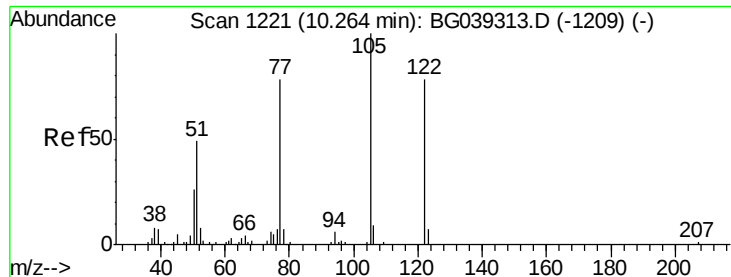
#23
Nitrobenzene-d5
Concen: 114.844 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

Tgt Ion:	82	Resp:	377659
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	60.4	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





#32

Benzoic acid

Concen: 9.119 ng

RT: 10.24 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

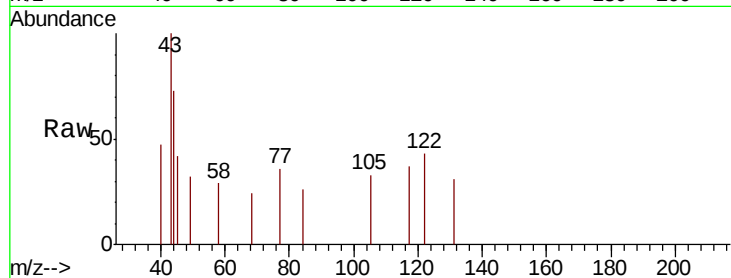
Tgt Ion:122 Resp: 233

Ion Ratio Lower Upper

122 100

105 77.3 101.8 141.8#

77 82.4 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.24

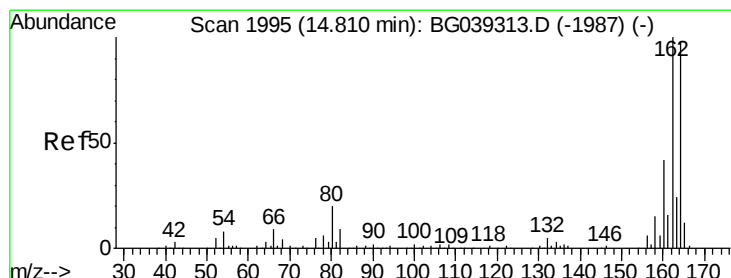
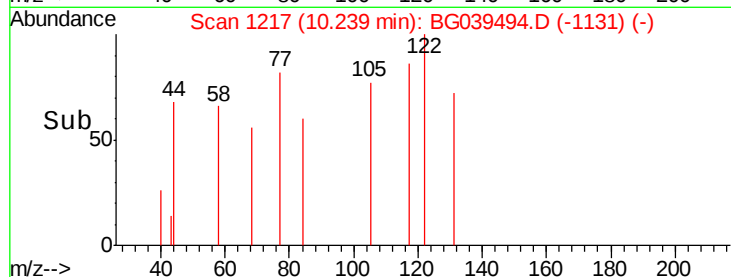
200

100

0

10.22 10.24 10.26

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

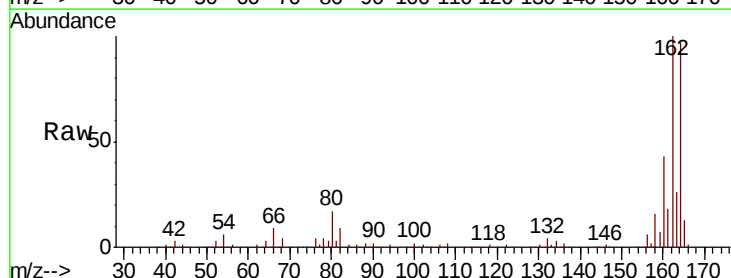
Tgt Ion:164 Resp: 152990

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

160 44.0 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

14.80

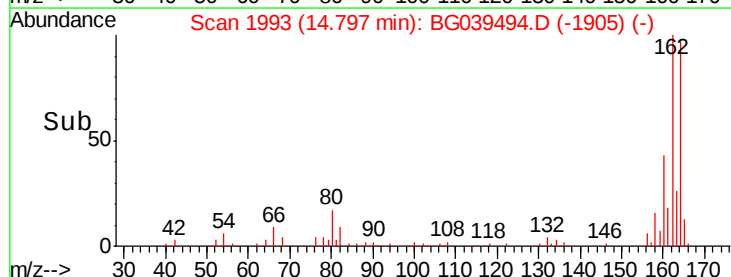
100000

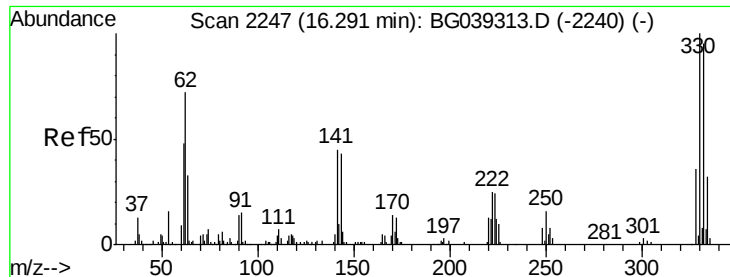
50000

0

14.70 14.80

Time-->

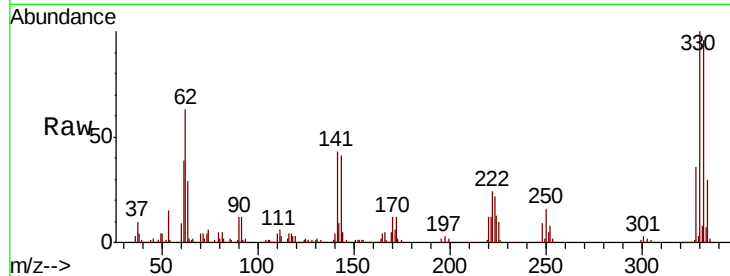




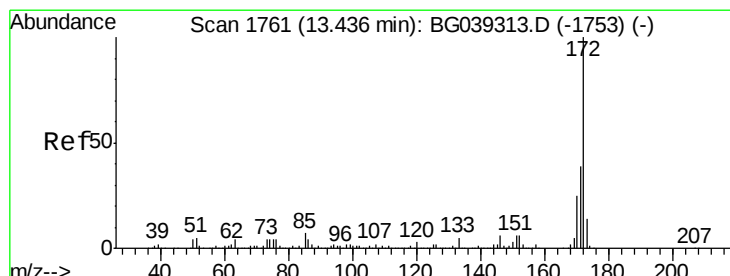
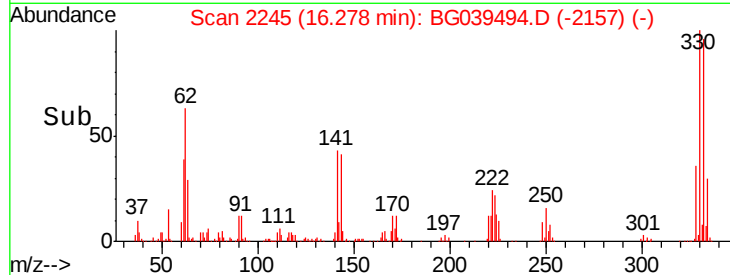
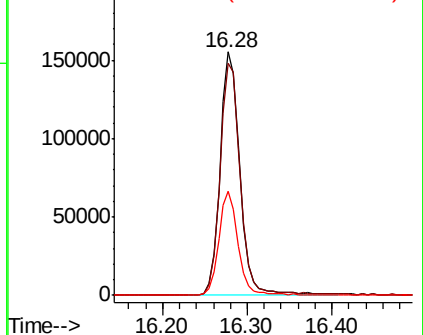
#42
 2,4,6-Tribromophenol
 Concen: 154.560 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039494.D
 Acq: 13 Feb 2019 18:38

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-B

Tgt Ion:330 Resp: 254629
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.7 113.5
 141 41.1 35.6 53.4

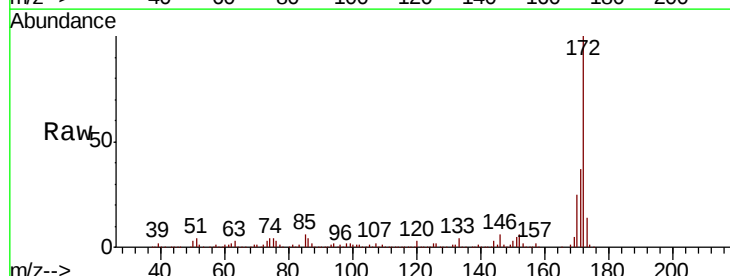


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

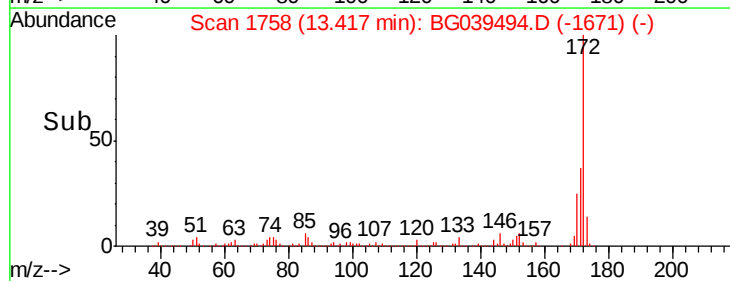
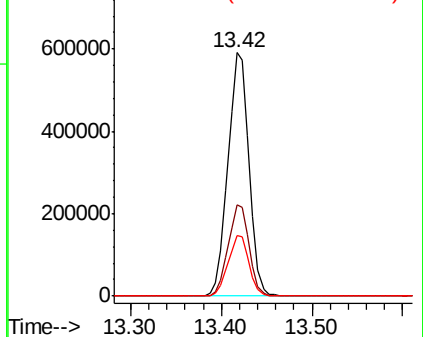


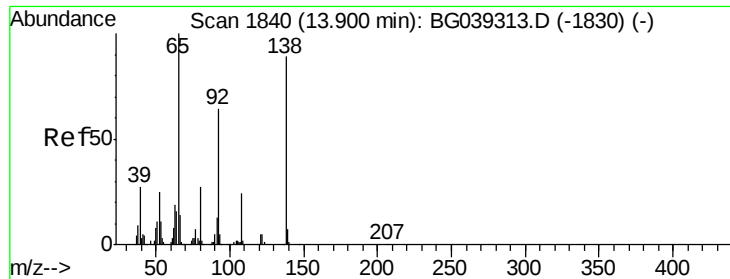
#45
 2-Fluorobiphenyl
 Concen: 89.467 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039494.D
 Acq: 13 Feb 2019 18:38

Tgt Ion:172 Resp: 954137
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.0 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: 8.797 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

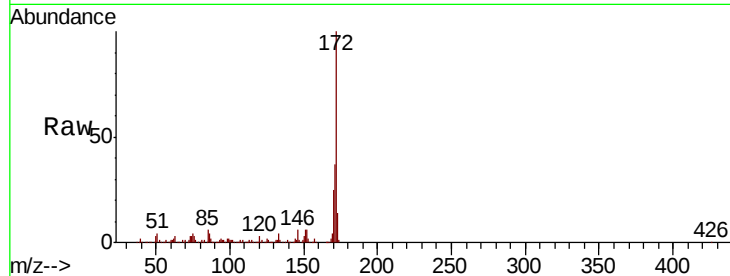
Tgt Ion: 65 Resp: 1665

Ion Ratio Lower Upper

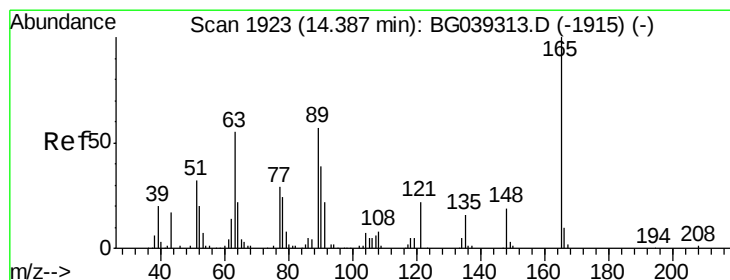
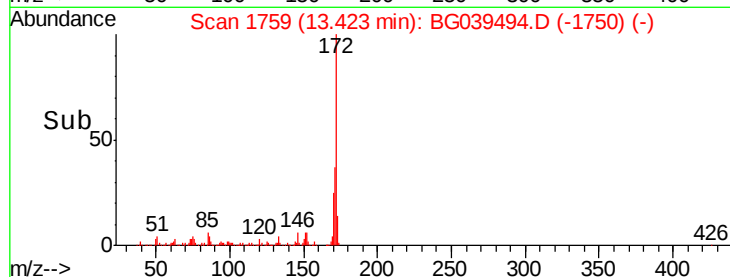
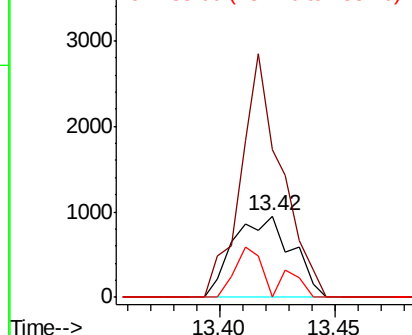
65 100

92 181.2 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: 13.924 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

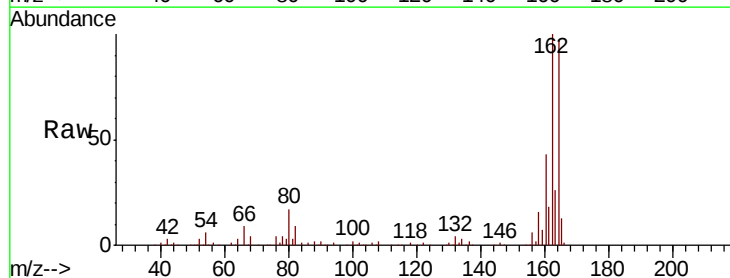
Tgt Ion: 165 Resp: 19699

Ion Ratio Lower Upper

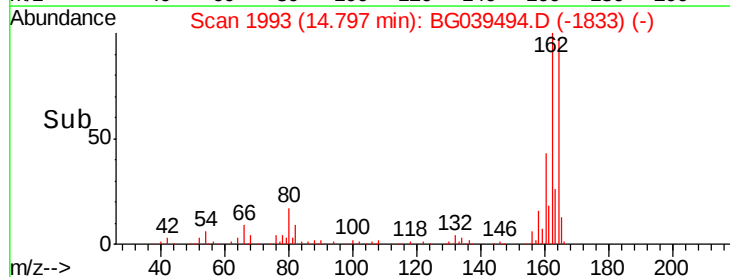
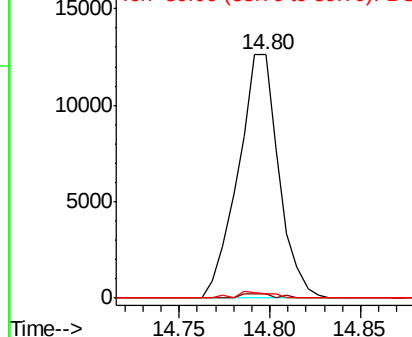
165 100

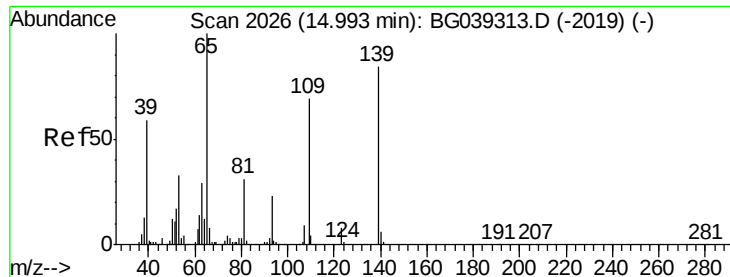
63 1.5 47.0 70.6#

89 1.9 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





#56

4-Nitrophenol

Concen: 5.818 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.34 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

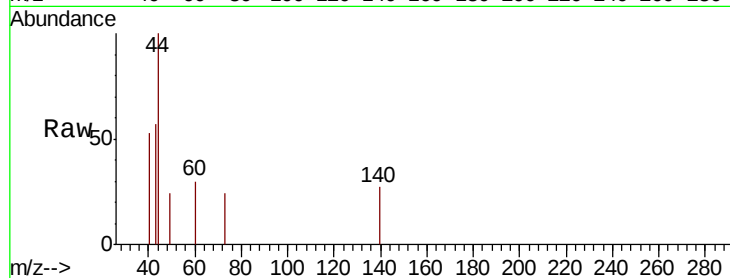
Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

Tgt Ion:	139	Resp:	59
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

14.66

200

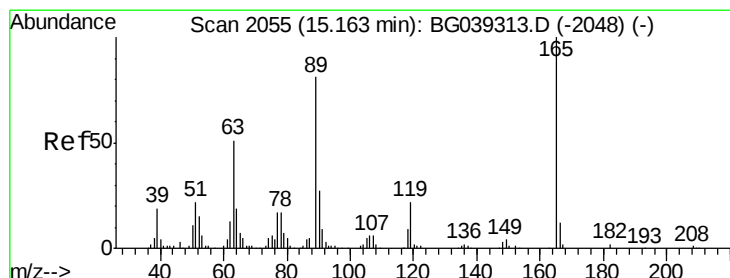
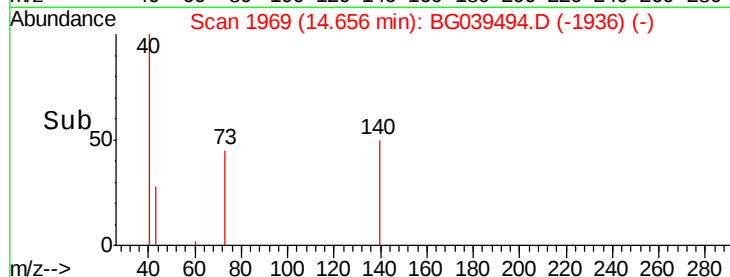
150

100

50

0

Time-->



#57

2,4-Dinitrotoluene

Concen: 13.399 ng

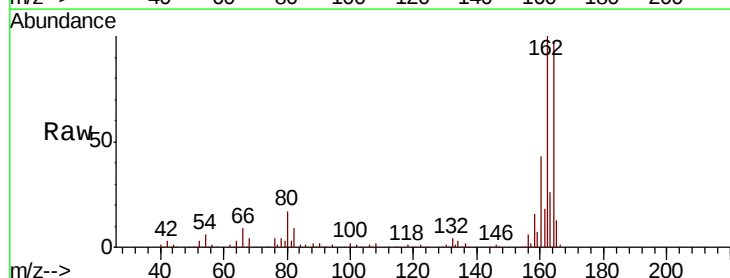
RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Tgt Ion:	165	Resp:	19699
Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	1.9	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

14.80

20000

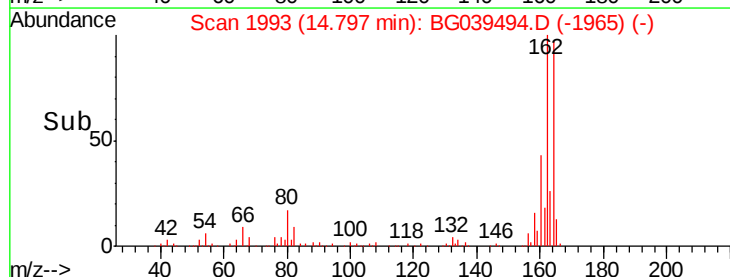
15000

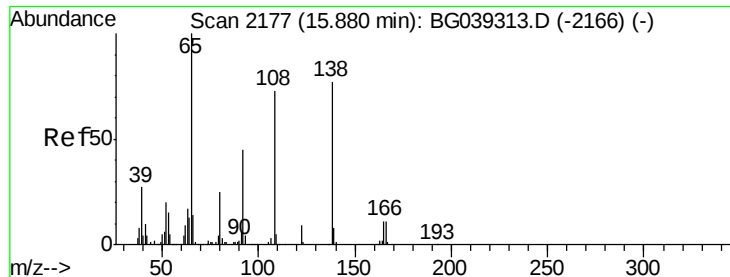
10000

5000

0

Time-->





#62

4-Nitroaniline

Concen: 4.223 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.39 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

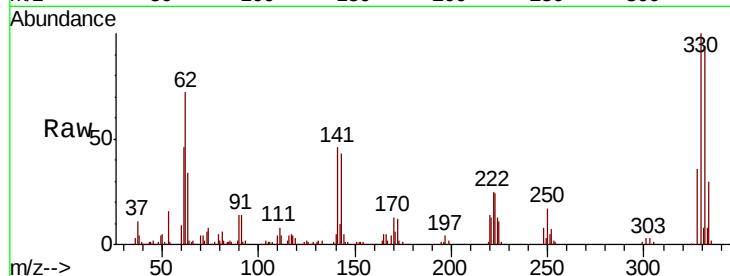
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 924.1 38.7 78.7#

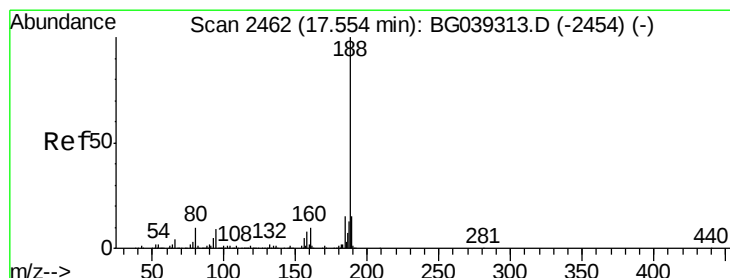
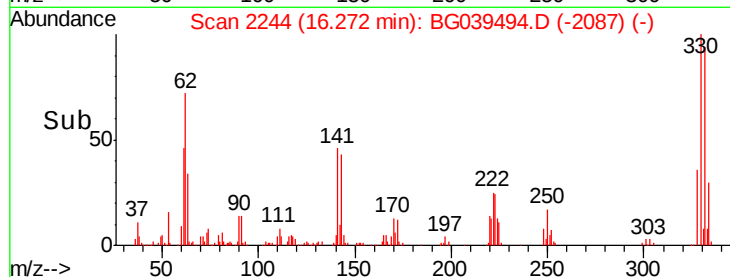
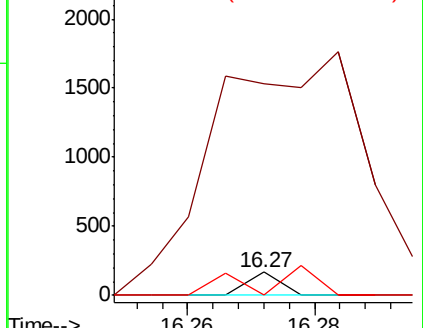
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

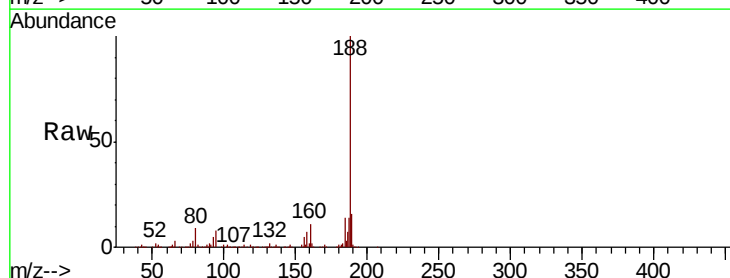
Tgt Ion:188 Resp: 391183

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

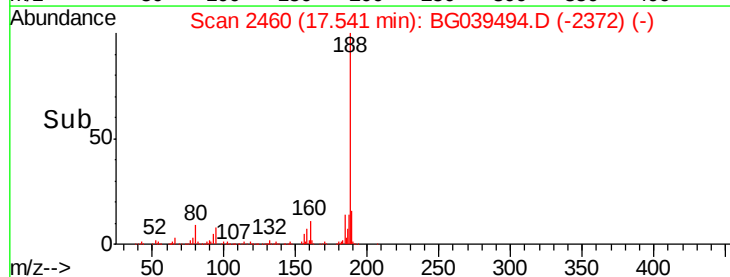
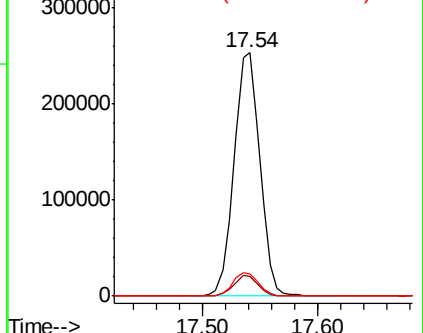
80 9.2 8.1 12.1

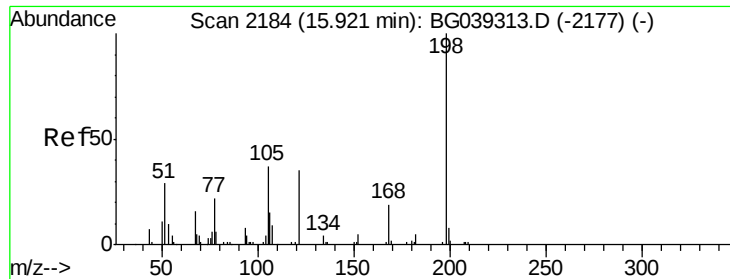


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

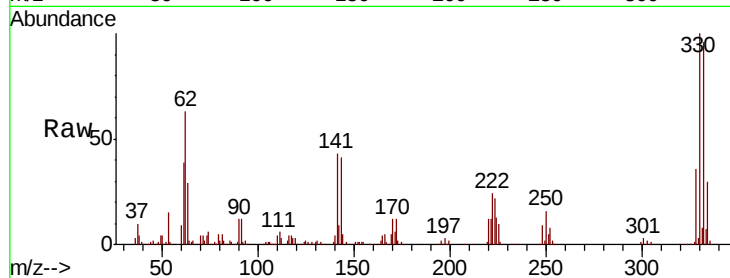




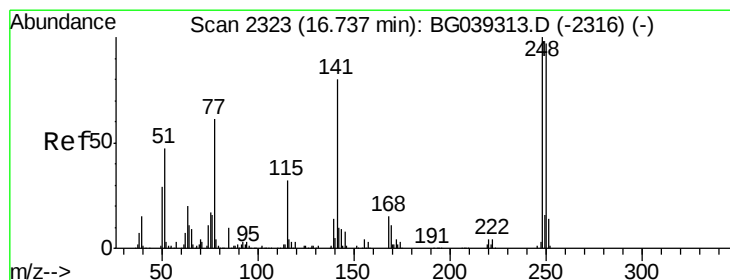
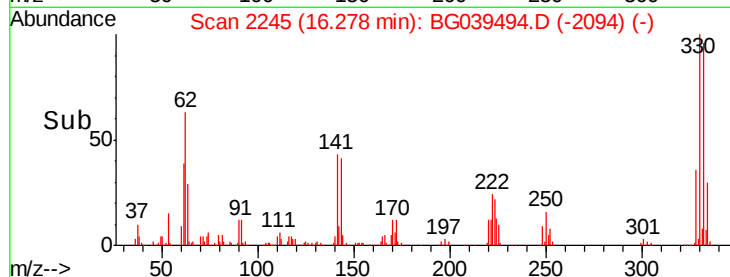
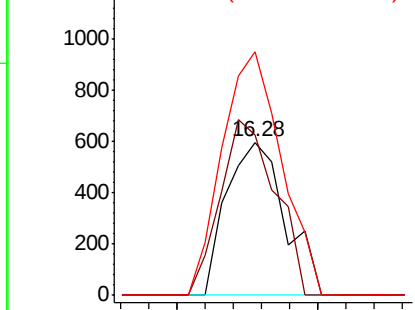
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.878 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039494.D
 Acq: 13 Feb 2019 18:38

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-B

Tgt Ion:198 Resp: 858
 Ion Ratio Lower Upper
 198 100
 51 104.9 27.4 67.4#
 105 159.1 19.7 59.7#

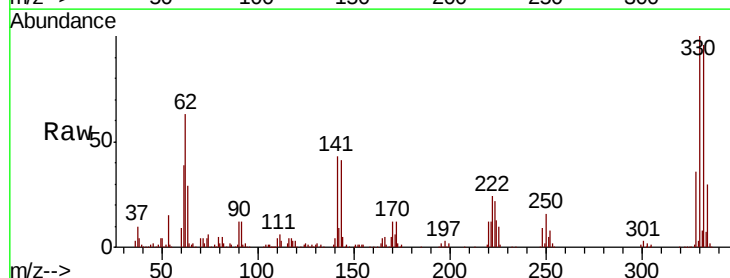


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

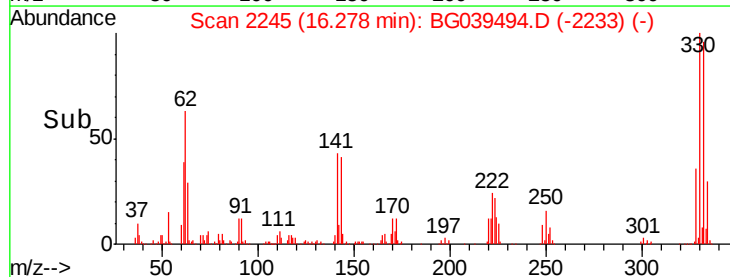
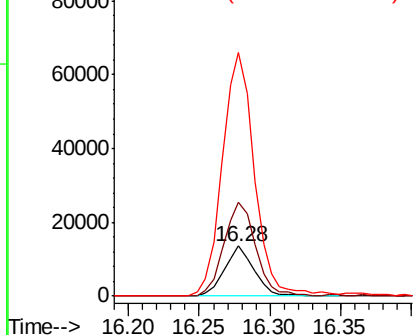


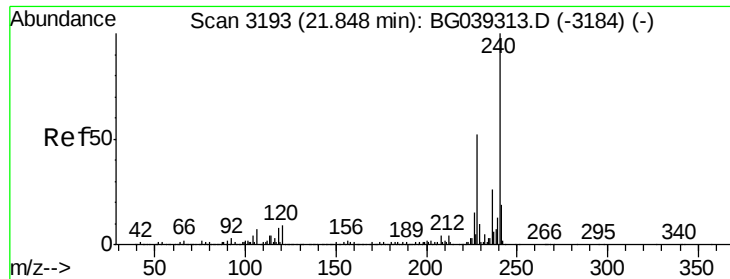
#67
 4-Bromophenyl-phenylether
 Concen: 4.580 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039494.D
 Acq: 13 Feb 2019 18:38

Tgt Ion:248 Resp: 19878
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.6 116.4#
 141 486.5 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

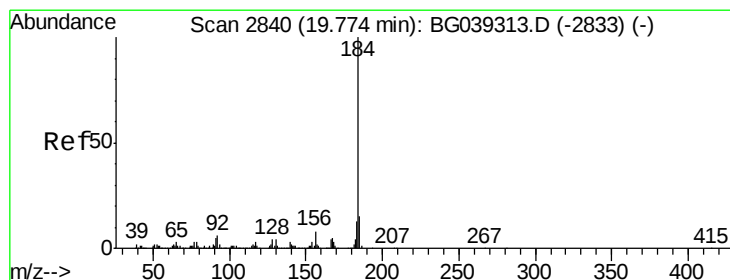
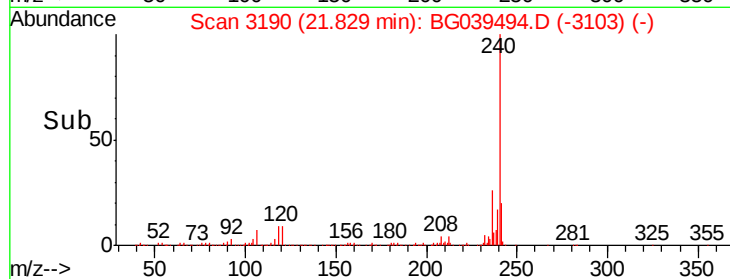
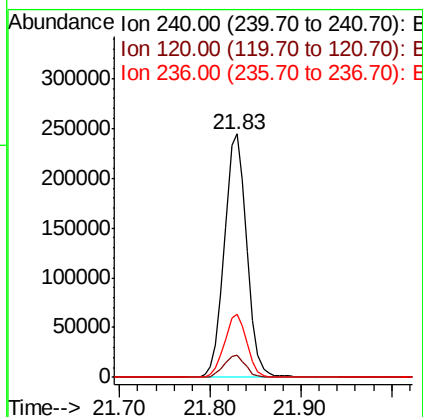
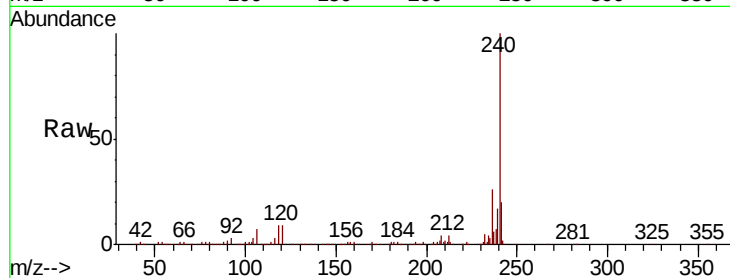




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

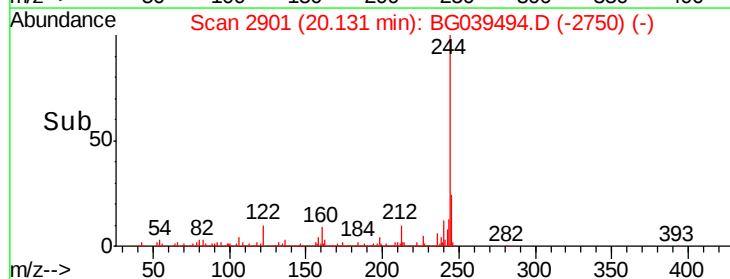
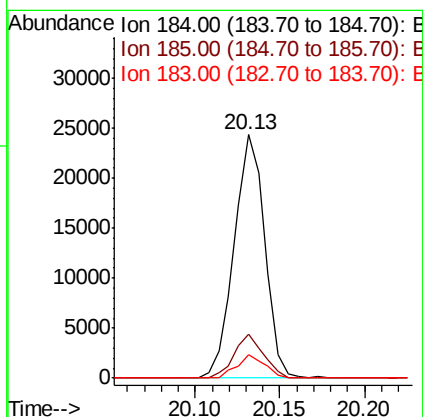
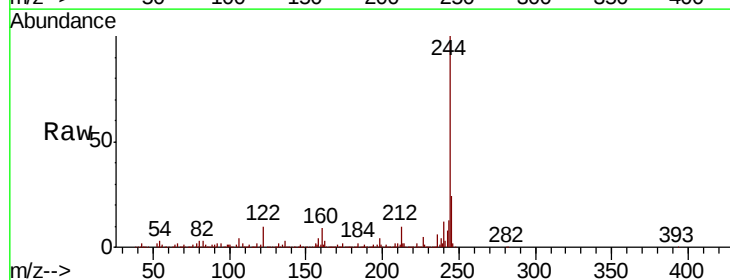
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-B

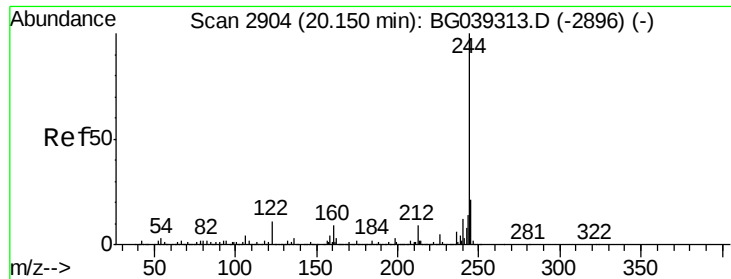
Tgt Ion:240 Resp: 417010
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.248 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039494.D
Acq: 13 Feb 2019 18:38

Tgt Ion:184 Resp: 30731
Ion Ratio Lower Upper
184 100
185 18.2 12.2 18.2#
183 9.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.421 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-B

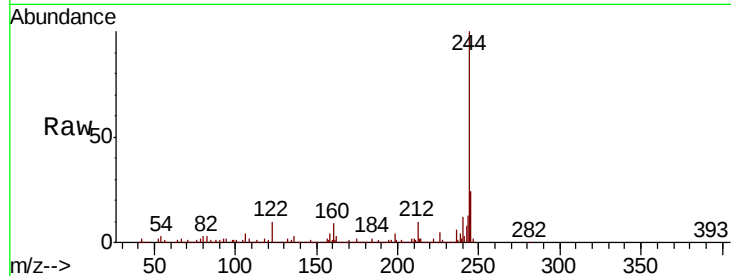
Tgt Ion:244 Resp: 1682886

Ion Ratio Lower Upper

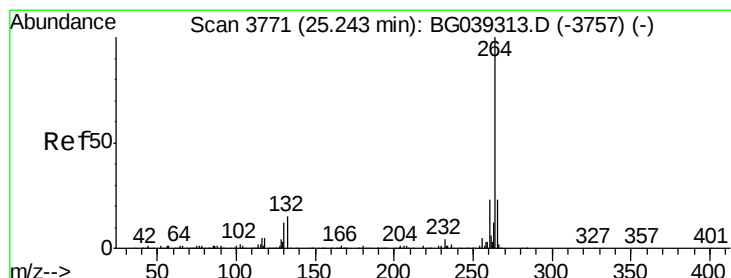
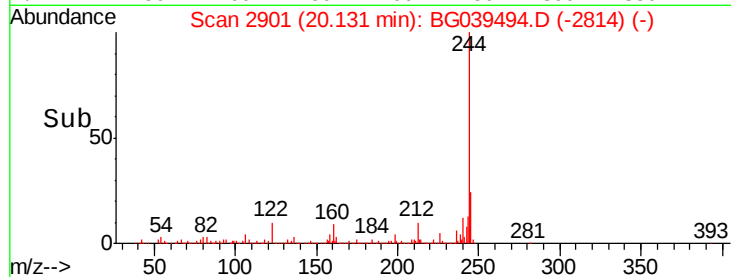
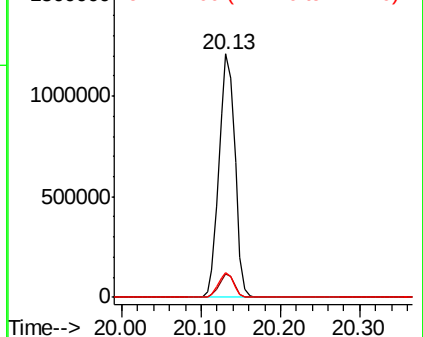
244 100

212 9.7 7.3 10.9

122 10.4 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# 3766

Delta R.T. -0.03 min

Lab File: BG039494.D

Acq: 13 Feb 2019 18:38

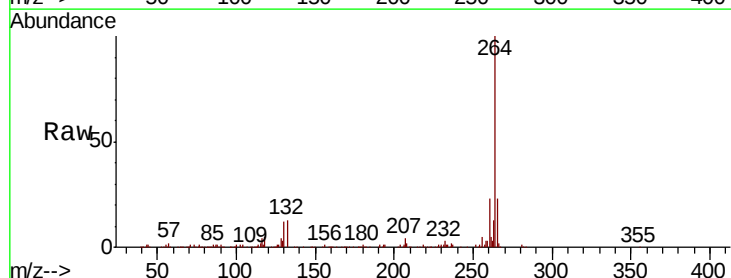
Tgt Ion:264 Resp: 403465

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 22.9 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

