

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039497.D
 Acq On : 13 Feb 2019 20:37
 Operator : JU/SJ
 Sample : K1343-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 14 02:49:05 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

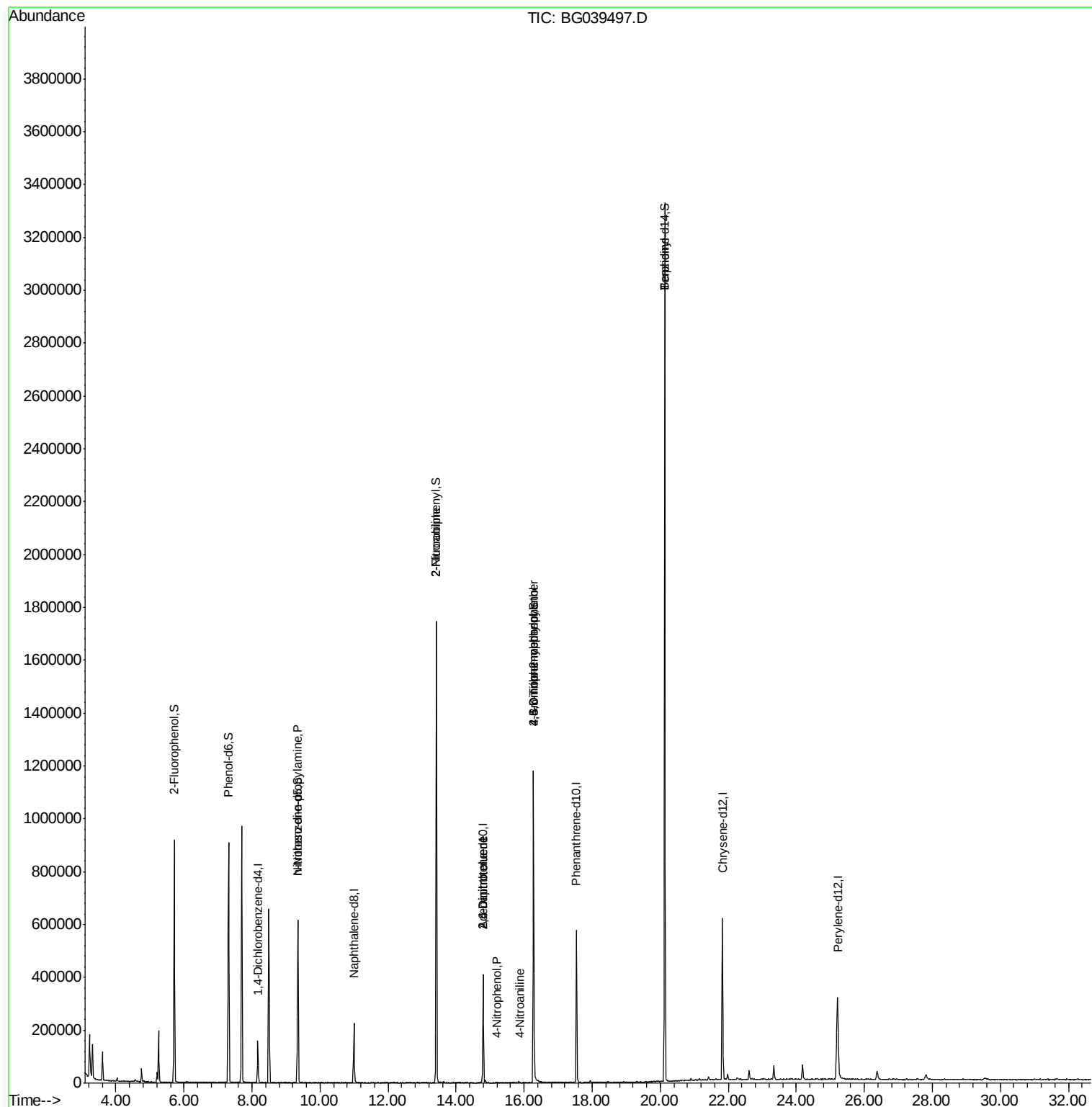
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44586	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	195560	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	144640	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	362718	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	382708	20.00	ng	-0.02
87) Perylene-d12	25.22	264	366547	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	381283	146.36	ng	0.00
7) Phenol-d6	7.31	99	523690	136.57	ng	0.00
23) Nitrobenzene-d5	9.35	82	364761	116.52	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	222738	143.01	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	930480	92.29	ng	-0.02
79) Terphenyl-d14	20.13	244	1596609	88.31	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	926	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	47841	17.578 ng	#	4
48) 2-Nitroaniline	13.42	65	1323	8.717 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	18353	13.817 ng	#	23
56) 4-Nitrophenol	15.19	139	575	6.046 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	18353	13.318 ng	#	18
62) 4-Nitroaniline	15.88	138	59	4.225 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	746	4.834 ng	#	7
67) 4-Bromophenyl-phenylether	16.28	248	17520	4.354 ng	#	1
77) Benzidine	20.13	184	28819	2.297 ng	#	93

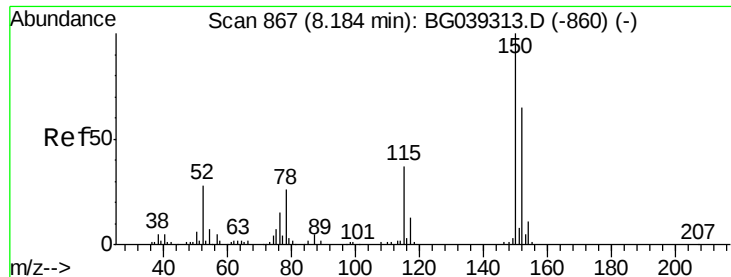
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
Data File : BG039497.D
Acq On : 13 Feb 2019 20:37
Operator : JU/SJ
Sample : K1343-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 14 02:49:05 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



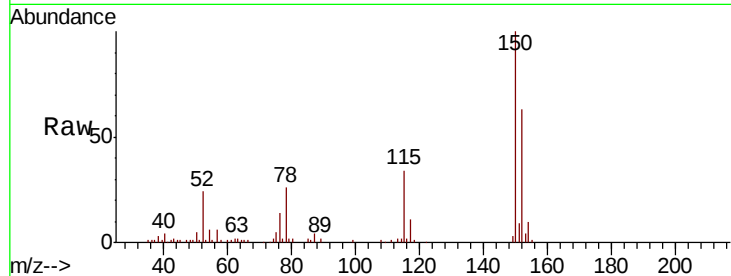


#1

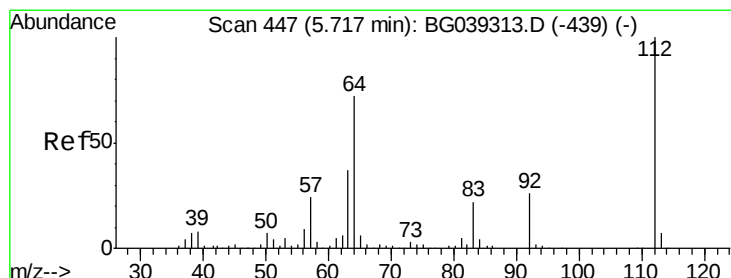
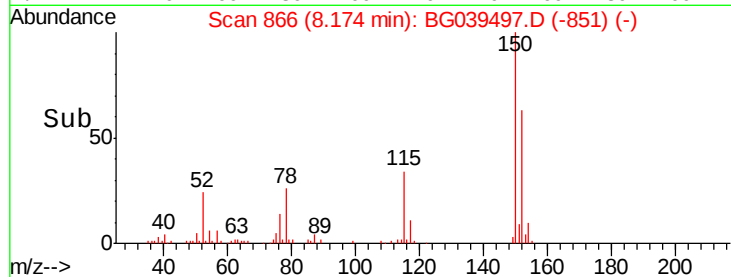
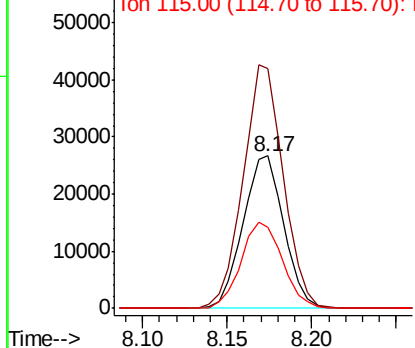
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039497.D
Acq: 13 Feb 2019 20:37

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

Tgt Ion:152 Resp: 44586
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 53.4 45.9 68.9



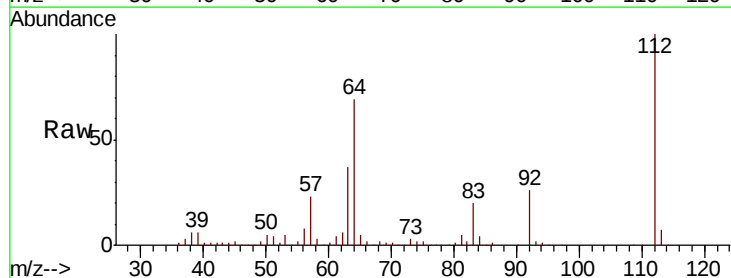
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



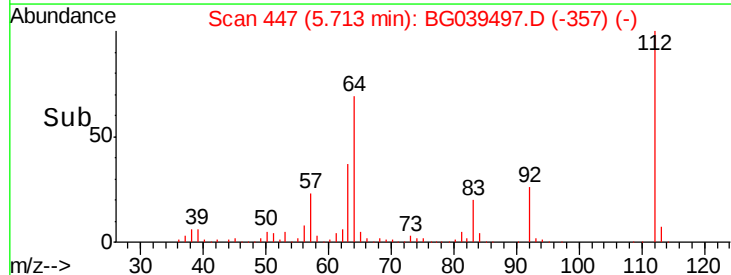
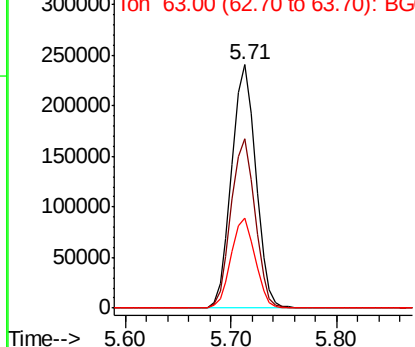
#5

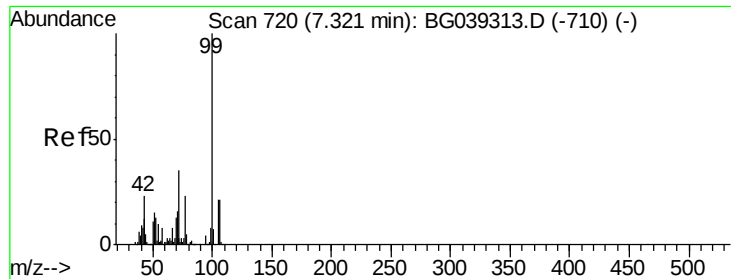
2-Fluorophenol
Concen: 146.362 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039497.D
Acq: 13 Feb 2019 20:37

Tgt Ion:112 Resp: 381283
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 36.9 29.8 44.6



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





#7

Phenol-d6

Concen: 136.570 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-E

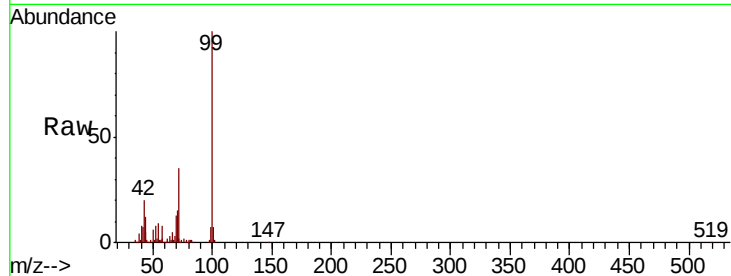
Tgt Ion: 99 Resp: 523690

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

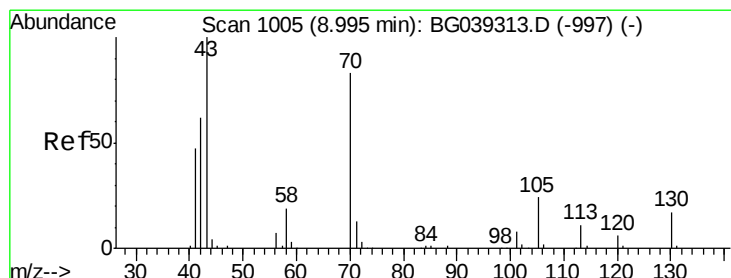
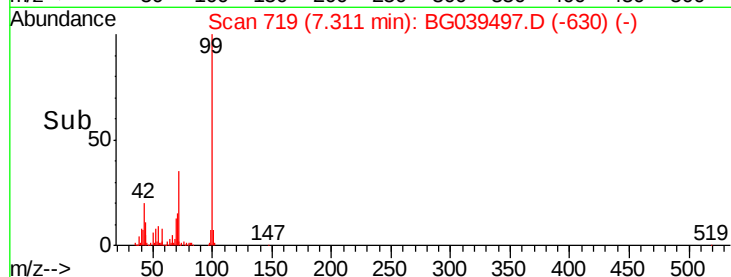
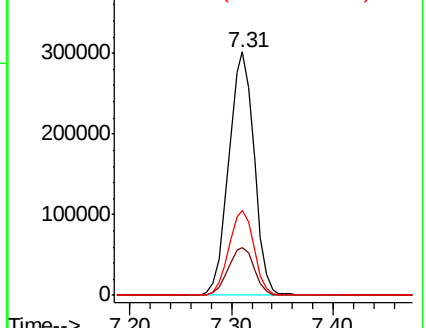
71 35.1 28.0 42.0



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: 17.578 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 70 Resp: 47841

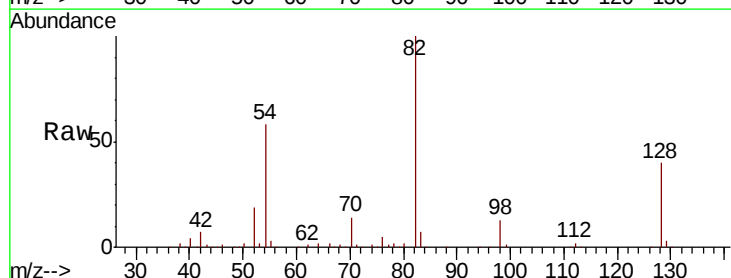
Ion Ratio Lower Upper

70 100

42 52.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

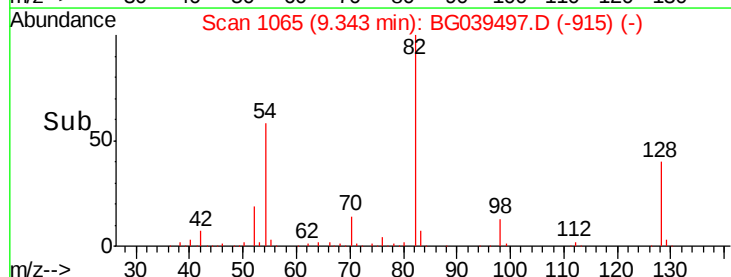
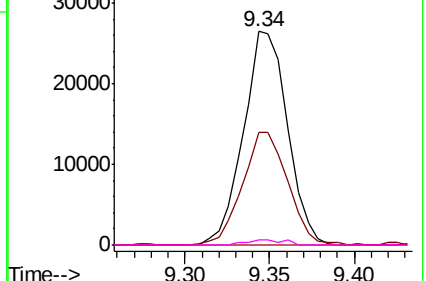


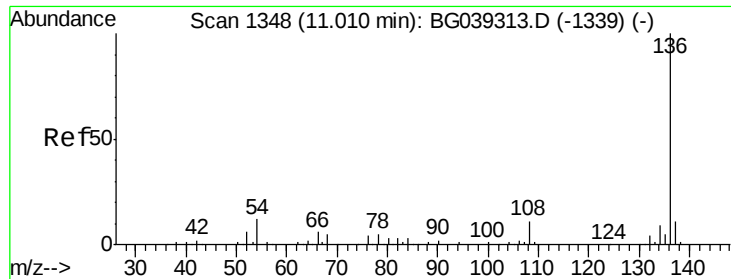
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

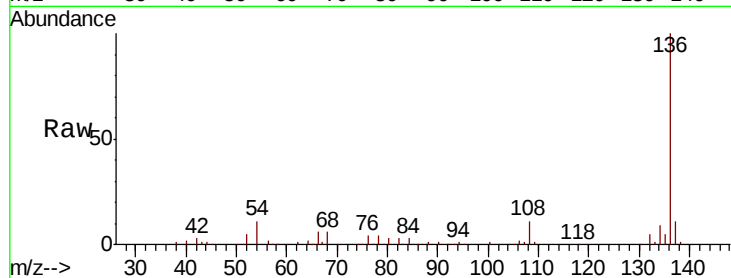




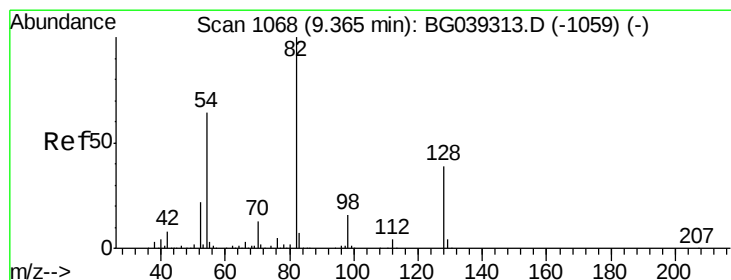
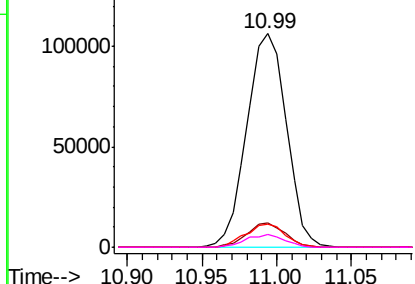
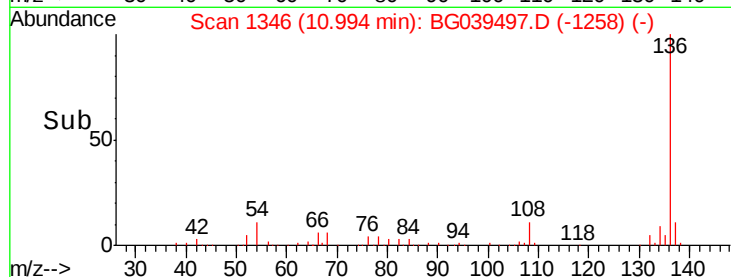
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039497.D
Acq: 13 Feb 2019 20:37

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

Tgt Ion:	136	Resp:	195560
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.0	9.4	14.2
68	5.8	4.2	6.4

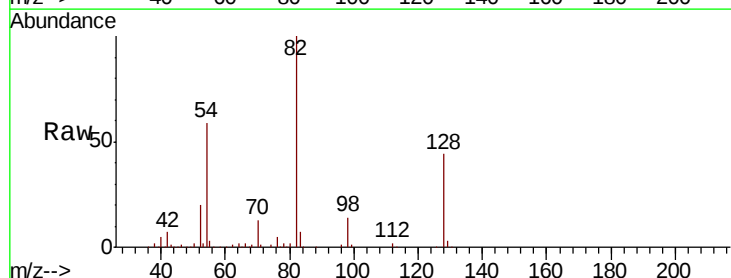


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

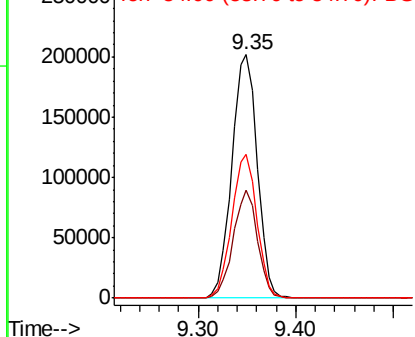
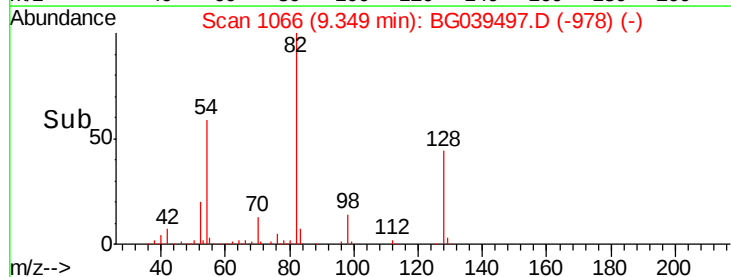


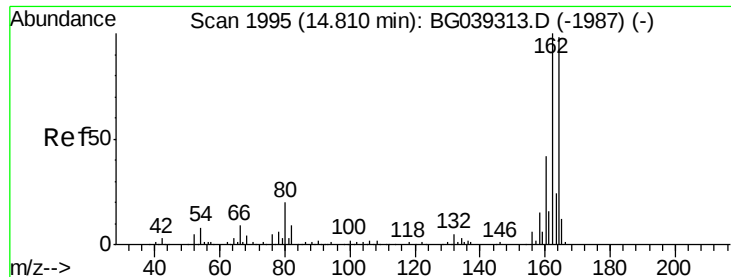
#23
Nitrobenzene-d5
Concen: 116.523 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039497.D
Acq: 13 Feb 2019 20:37

Tgt Ion:	82	Resp:	364761
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.3	46.9
54	59.3	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-E

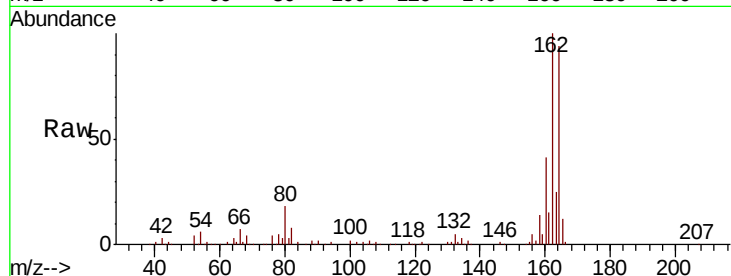
Tgt Ion:164 Resp: 144640

Ion Ratio Lower Upper

164 100

162 106.5 81.6 122.4

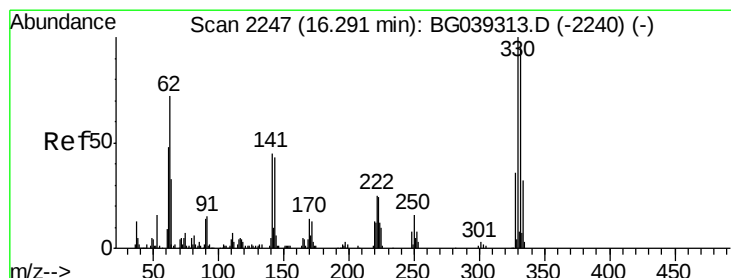
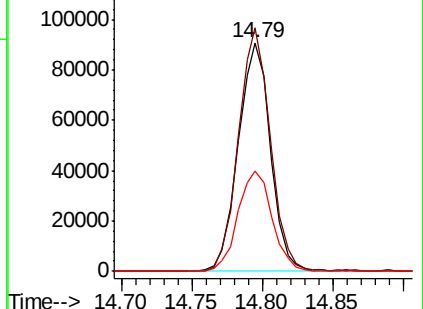
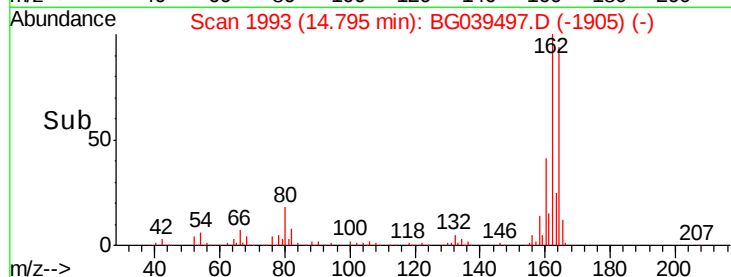
160 43.9 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 143.008 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

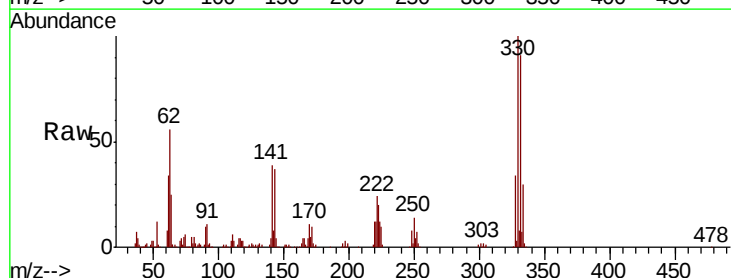
Tgt Ion:330 Resp: 222738

Ion Ratio Lower Upper

330 100

332 92.2 75.7 113.5

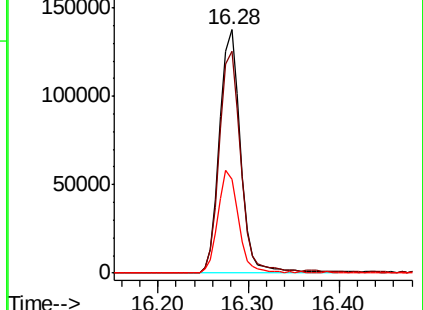
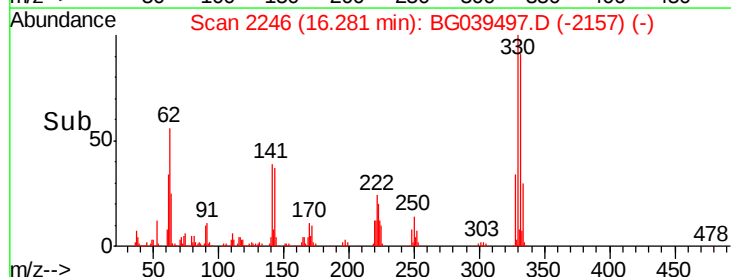
141 40.9 35.6 53.4

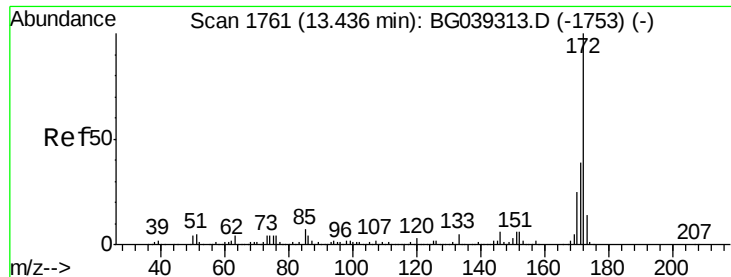


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

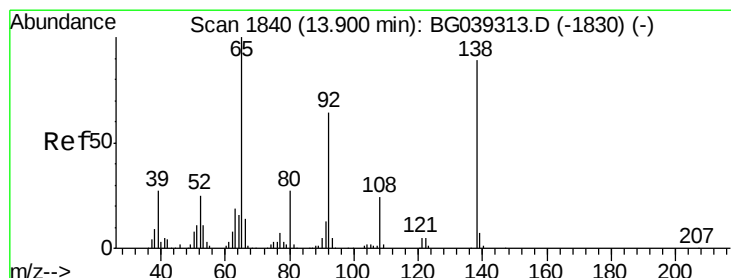
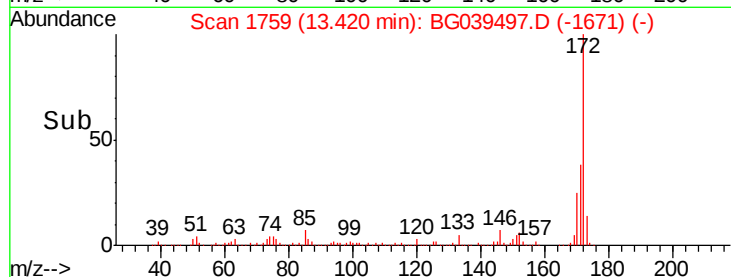
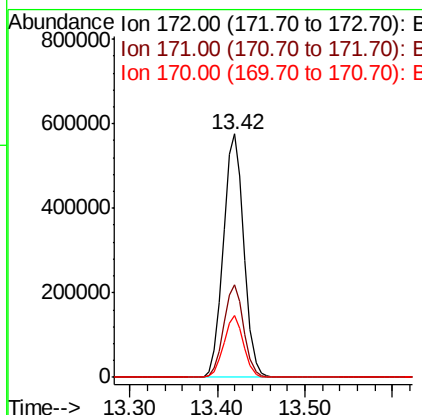
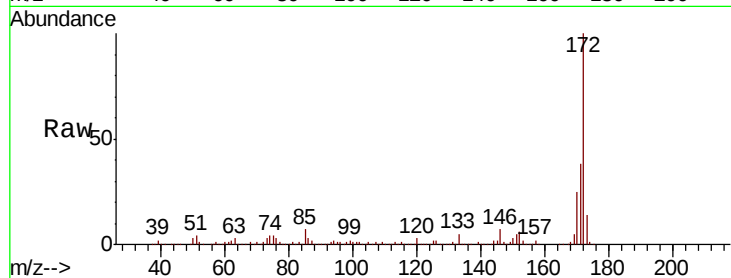




#45
 2-Fluorobiphenyl
 Concen: 92.286 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

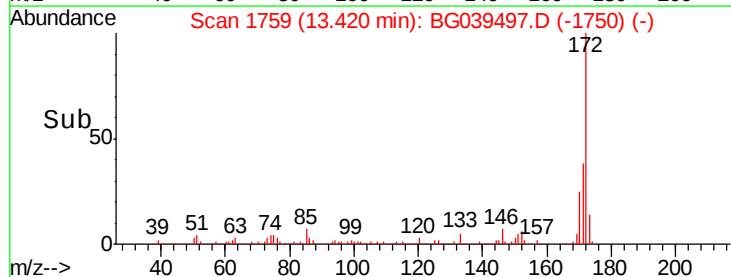
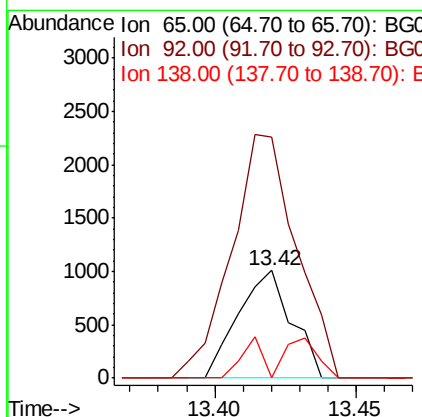
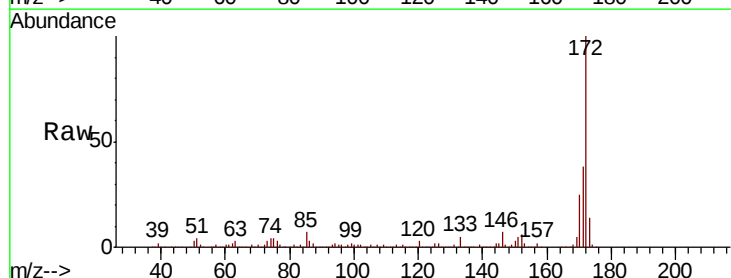
Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-E

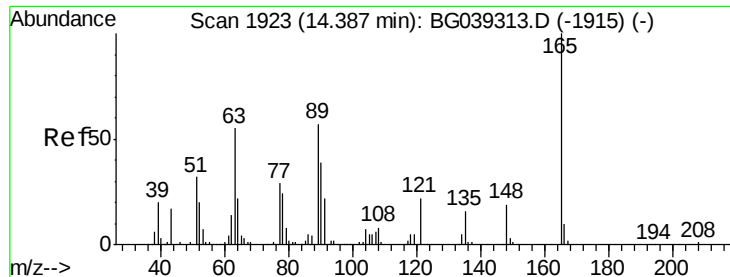
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.5	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.717 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.48 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
65	100		
92	224.2	51.4	77.2#
138	0.0	71.4	107.2#

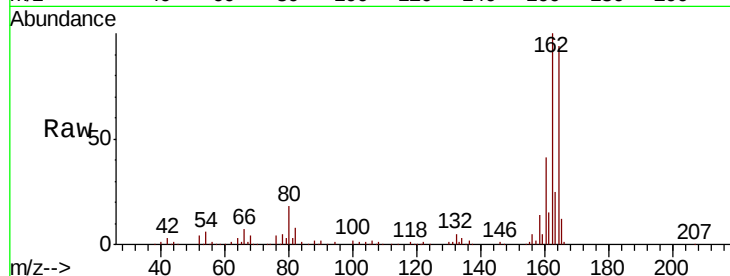




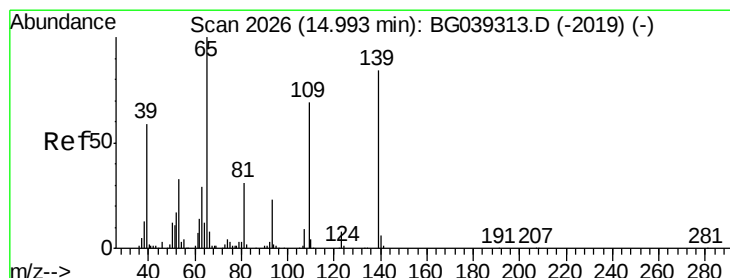
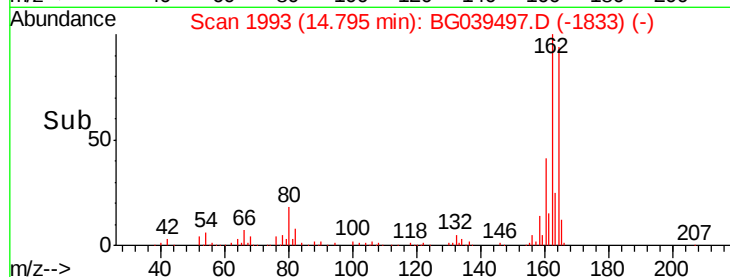
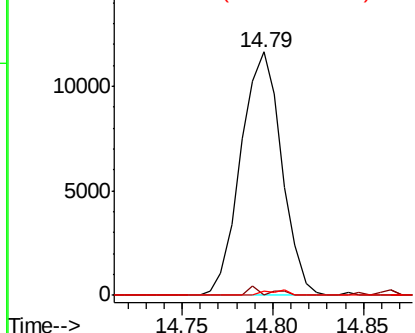
#51
 2,6-Dinitrotoluene
 Concen: 13.817 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

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

Tgt Ion:165 Resp: 18353
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 1.7 45.8 68.8#

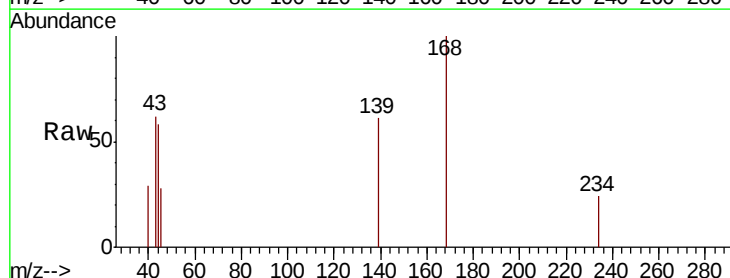


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

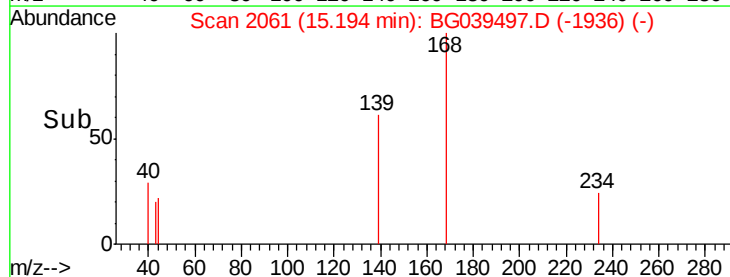
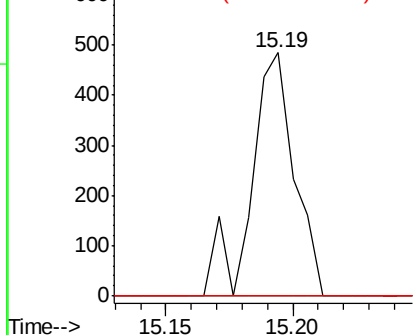


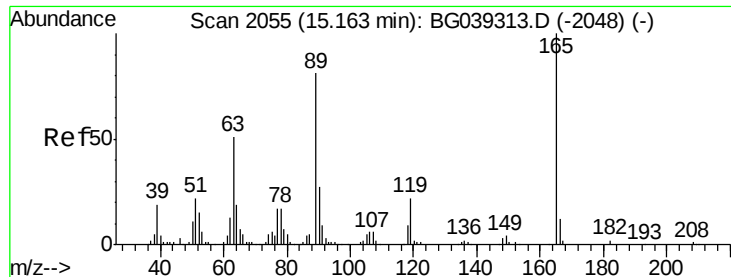
#56
 4-Nitrophenol
 Concen: 6.046 ng
 RT: 15.19 min Scan# 2061
 Delta R.T. 0.20 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:139 Resp: 575
 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): BG





#57

2,4-Dinitrotoluene

Concen: 13.318 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-E

Tgt Ion:165 Resp: 18353

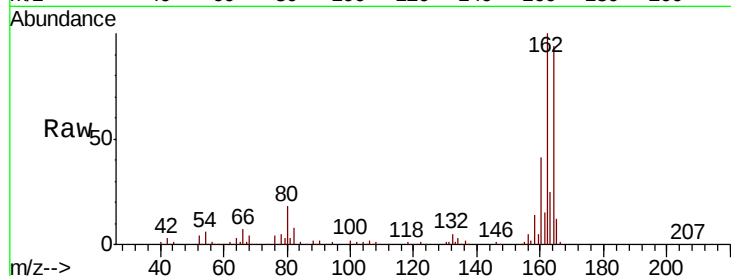
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.7 64.6 96.8#

182 0.0 2.0 3.0#

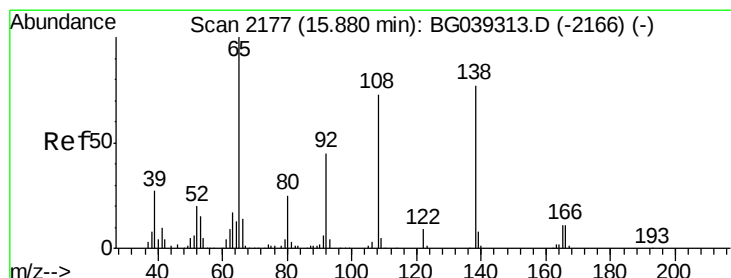
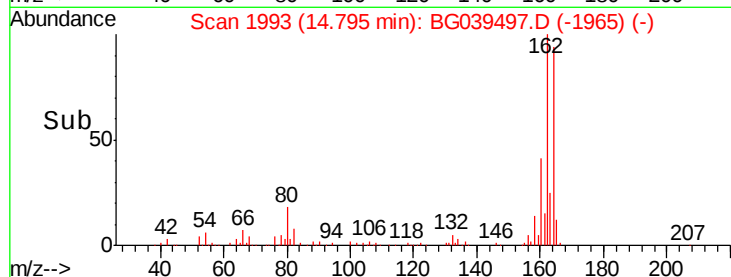
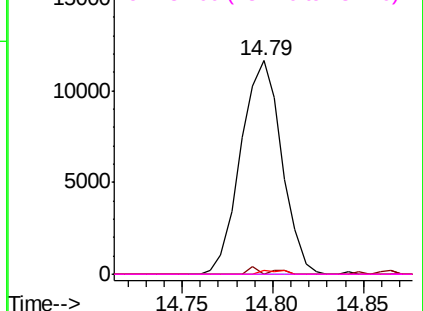


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.225 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

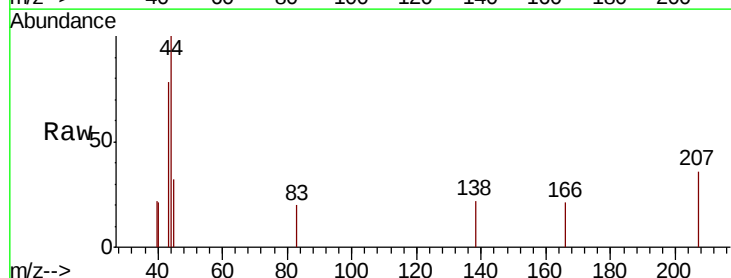
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

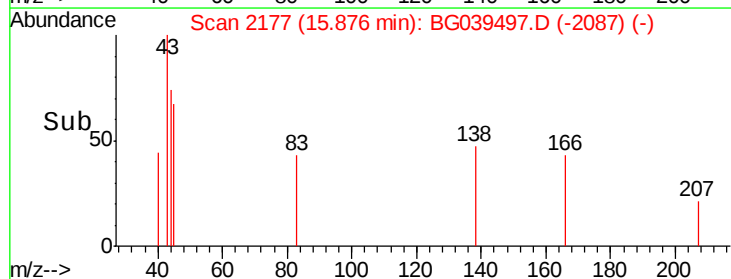
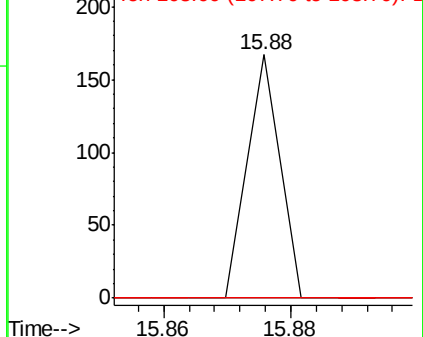
108 0.0 74.6 114.6#

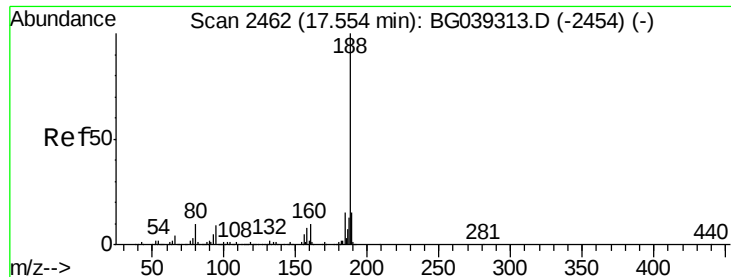


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

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. -0.02 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-E

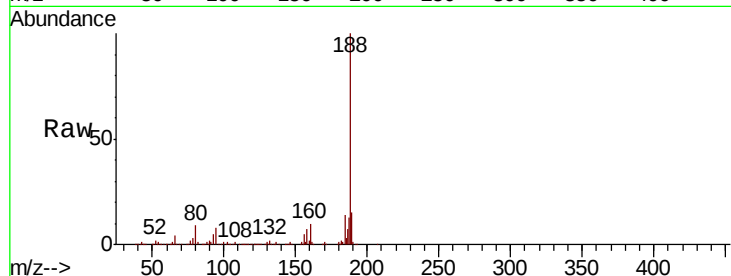
Tgt Ion:188 Resp: 362718

Ion Ratio Lower Upper

188 100

94 7.8 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): BGC

Ion 80.00 (79.70 to 80.70): BGC

300000

250000

200000

150000

100000

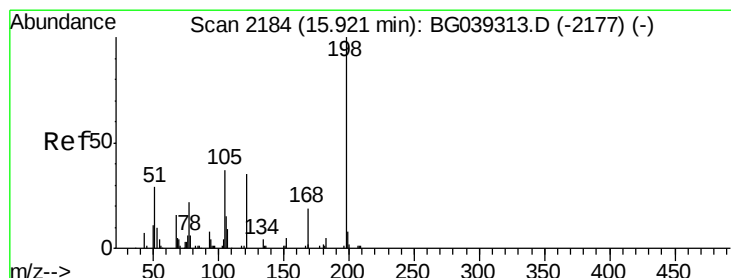
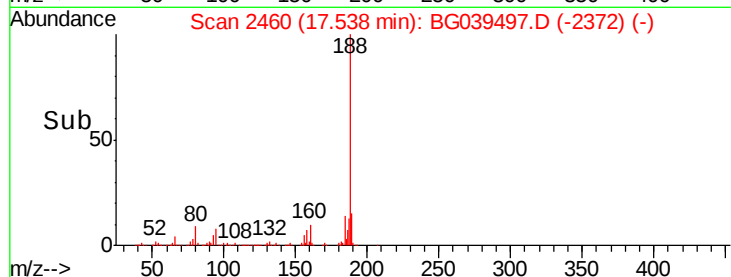
50000

0

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.834 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

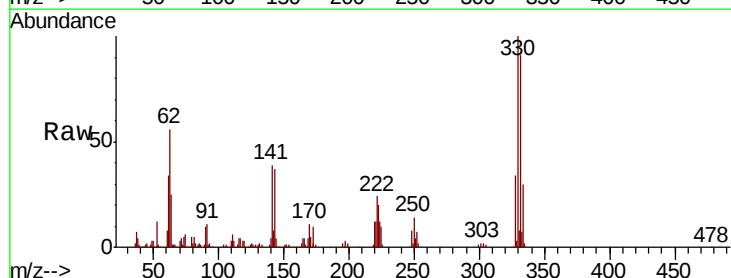
Tgt Ion:198 Resp: 746

Ion Ratio Lower Upper

198 100

51 87.7 27.4 67.4#

105 121.7 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

1200

1000

800

600

400

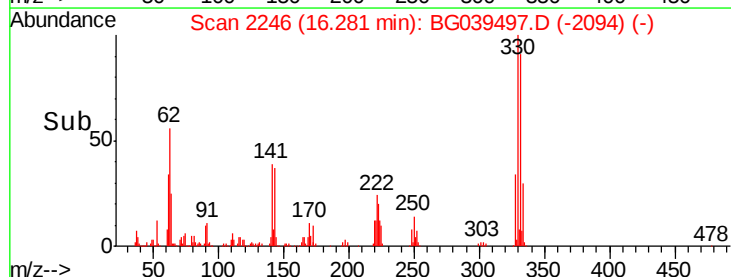
200

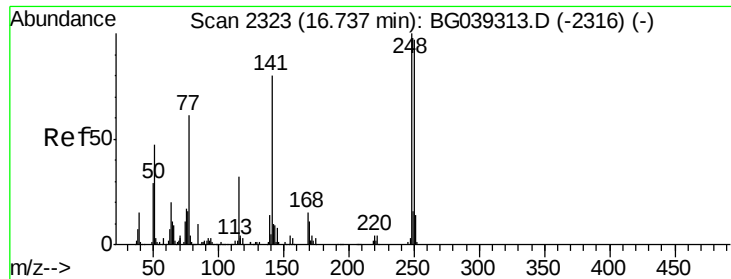
0

16.25

16.30

Time-->

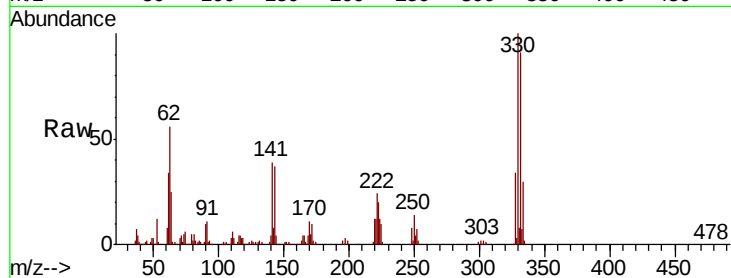




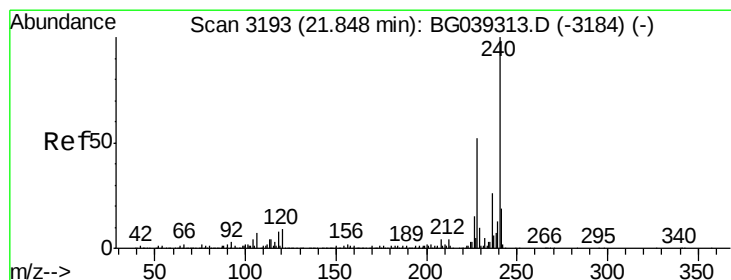
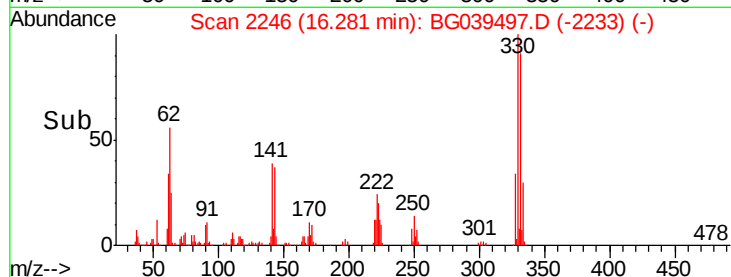
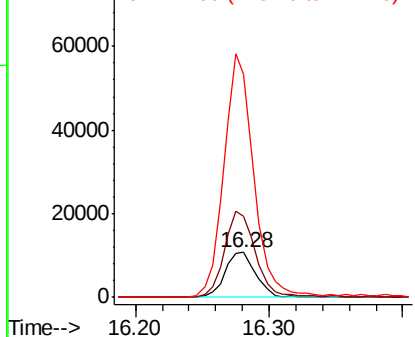
#67
 4-Bromophenyl-phenylether
 Concen: 4.354 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

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

Tgt Ion:248 Resp: 17520
 Ion Ratio Lower Upper
 248 100
 250 179.7 77.6 116.4#
 141 498.6 63.9 95.9#

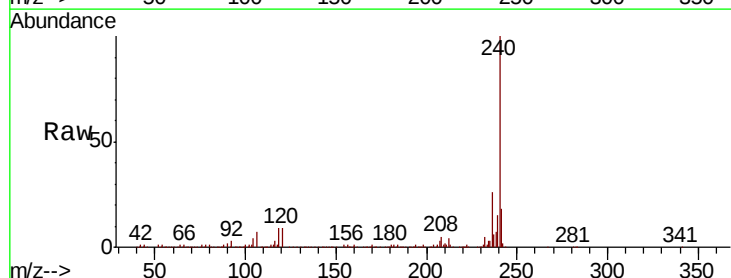


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

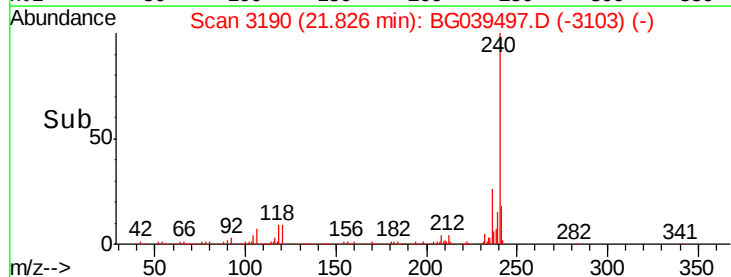
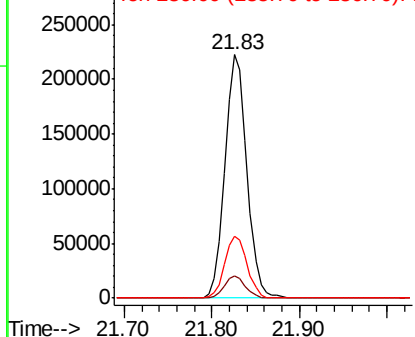


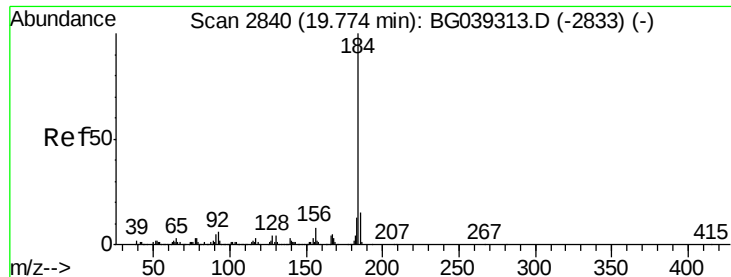
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039497.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:240 Resp: 382708
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 25.6 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: 2.297 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.35 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-E

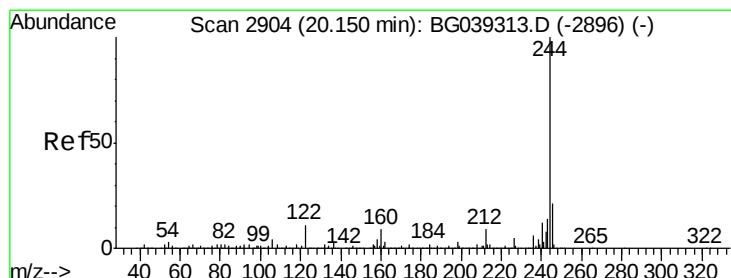
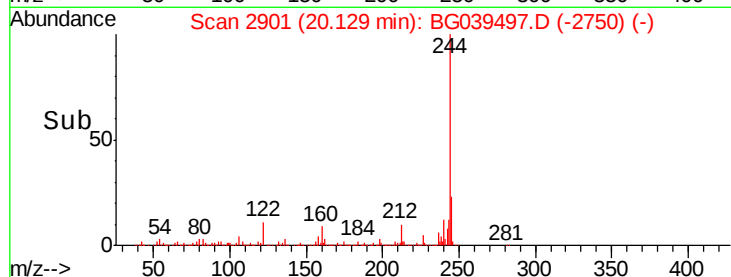
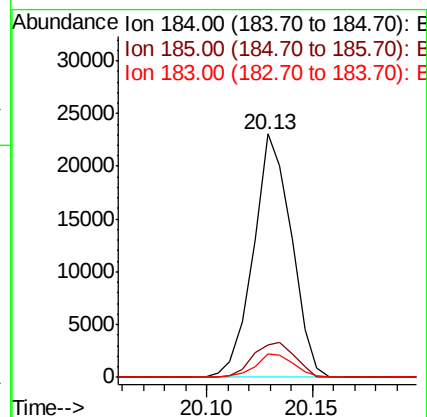
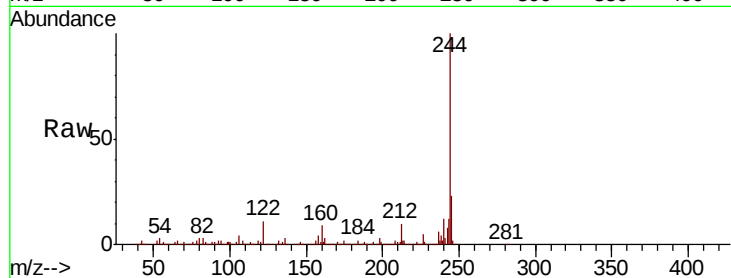
Tgt Ion:184 Resp: 28819

Ion Ratio Lower Upper

184 100

185 13.2 12.2 18.2

183 9.6 10.6 15.8#



#79

Terphenyl-d14

Concen: 88.306 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039497.D

Acq: 13 Feb 2019 20:37

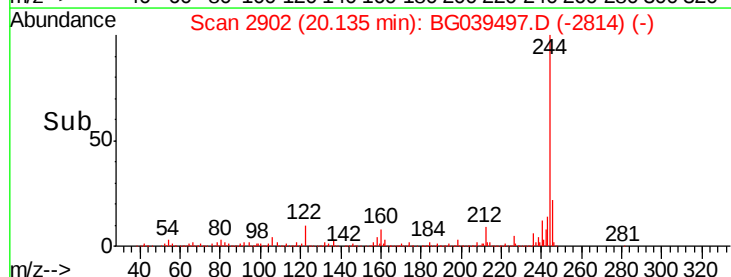
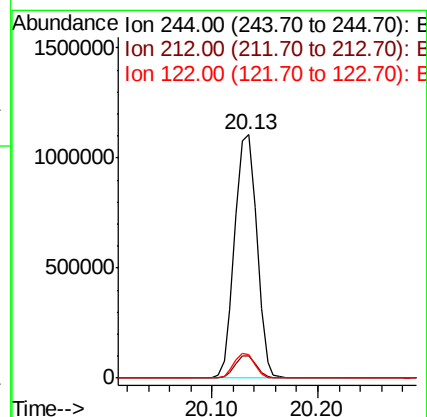
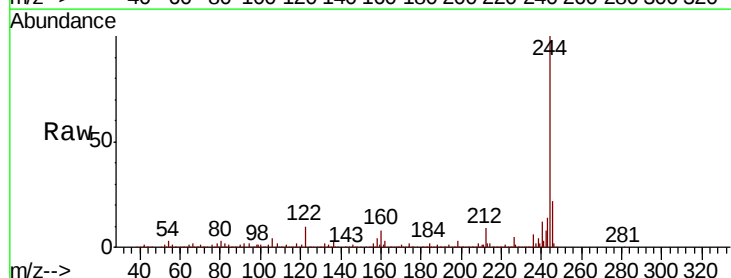
Tgt Ion:244 Resp: 1596609

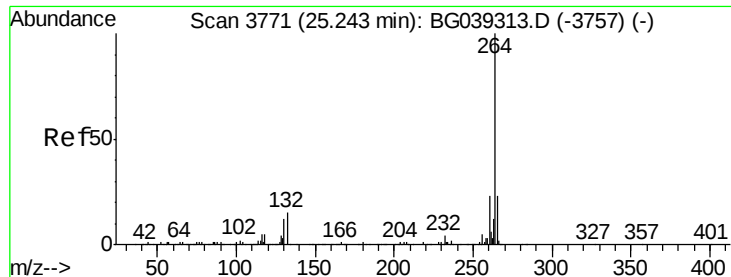
Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

122 9.6 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039497.D
Acq: 13 Feb 2019 20:37

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

Tgt Ion:	264	Resp:	366547
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.4
265	21.1	18.5	27.7

