

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039499.D
 Acq On : 13 Feb 2019 21:57
 Operator : JU/SJ
 Sample : K1343-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 14 02:49:29 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

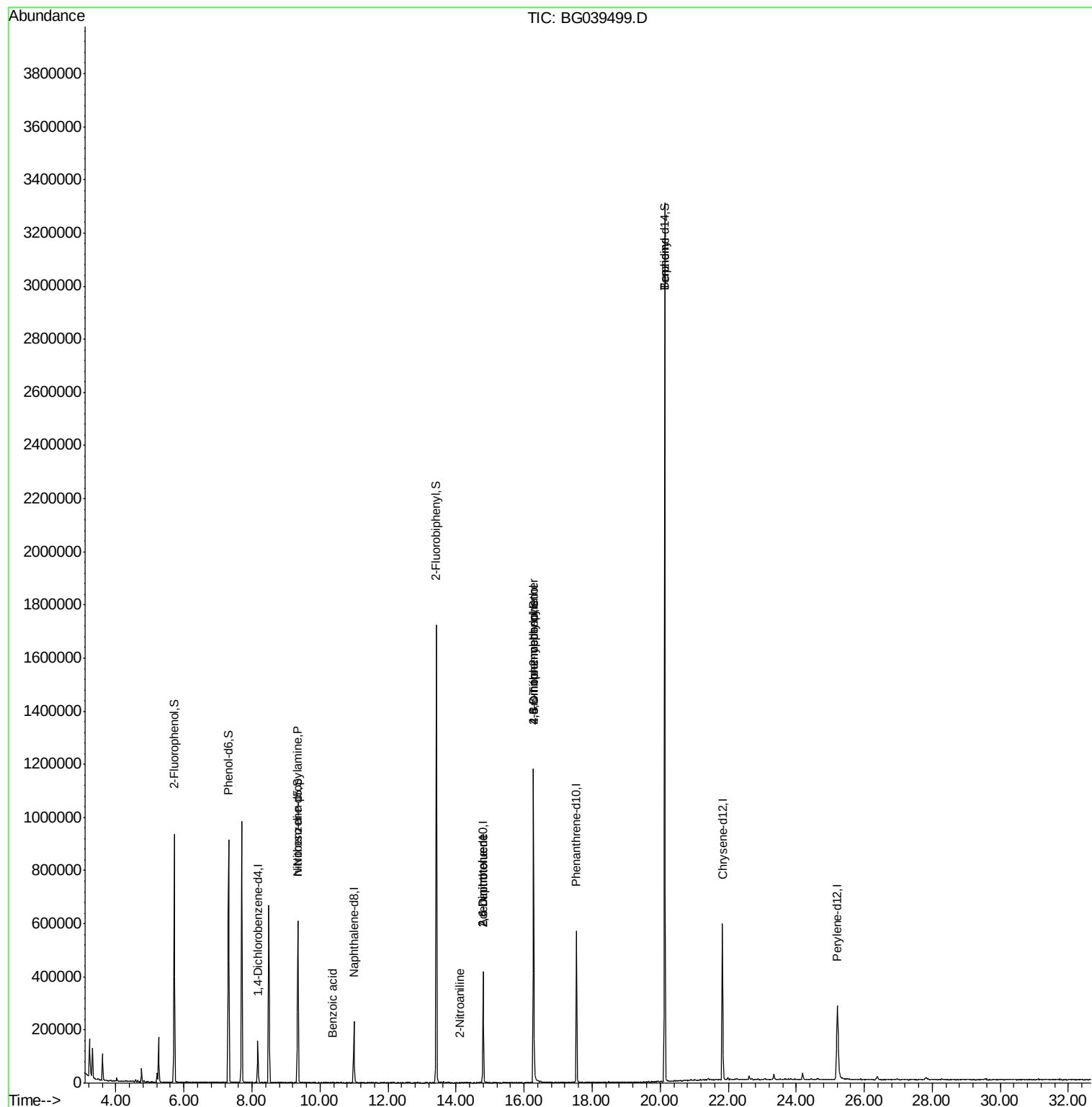
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44184	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	194672	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	143221	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	360094	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	379614	20.00	ng	-0.02
87) Perylene-d12	25.21	264	352768	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	383186	148.43	ng	0.00
7) Phenol-d6	7.31	99	529301	139.29	ng	0.00
23) Nitrobenzene-d5	9.35	82	365648	117.34	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	214500	139.08	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	920350	92.19	ng	-0.02
79) Terphenyl-d14	20.13	244	1564024	87.21	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1190	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.34	70	47261	17.523 ng	#	4
32) Benzoic acid	10.38	122	66	9.050 ng	#	1
48) 2-Nitroaniline	14.10	65	63	8.317 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	17538	13.563 ng	#	25
57) 2,4-Dinitrotoluene	14.80	165	17538	13.126 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	764	4.855 ng	#	23
67) 4-Bromophenyl-phenylether	16.28	248	16644	4.166 ng	#	1
77) Benzidine	20.13	184	28242	2.269 ng	#	94

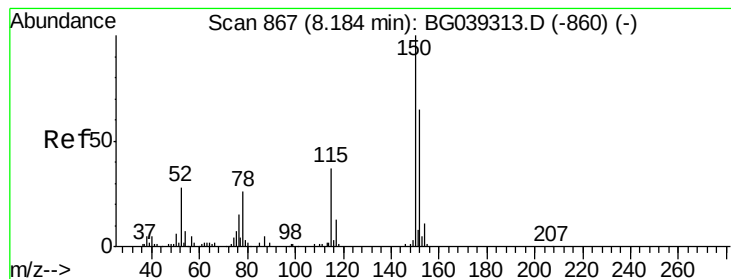
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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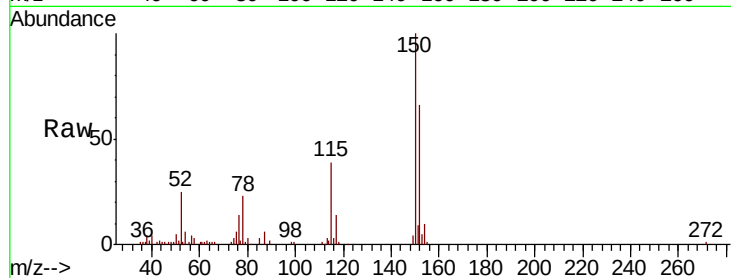


#1

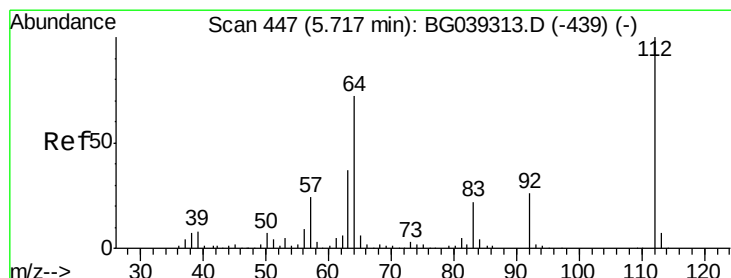
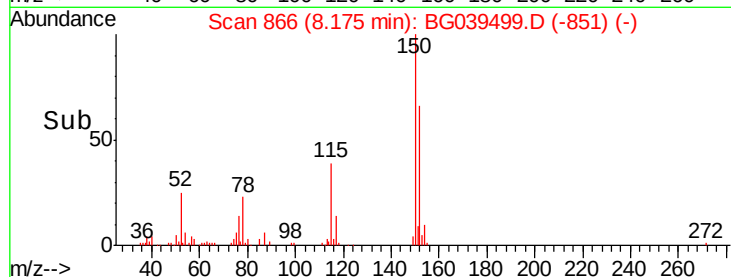
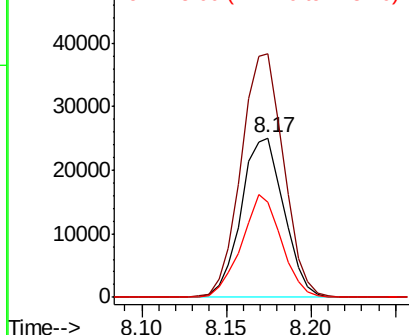
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

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

Tgt Ion:152 Resp: 44184
Ion Ratio Lower Upper
152 100
150 152.4 123.7 185.5
115 59.8 45.9 68.9



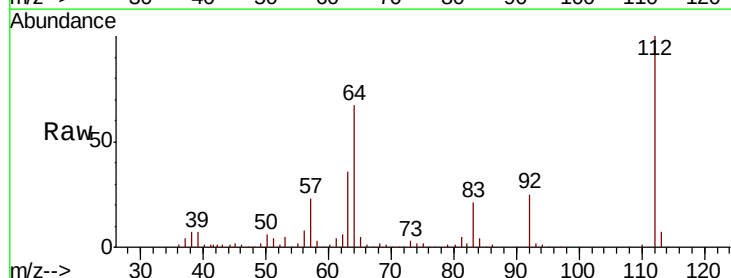
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



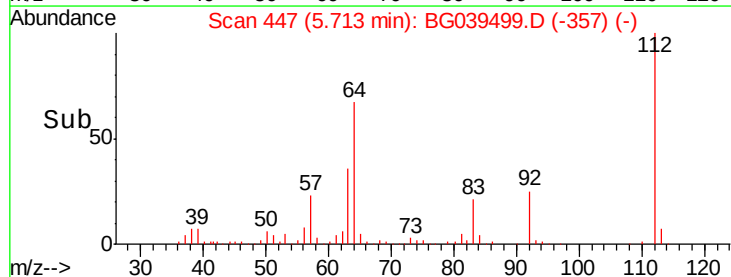
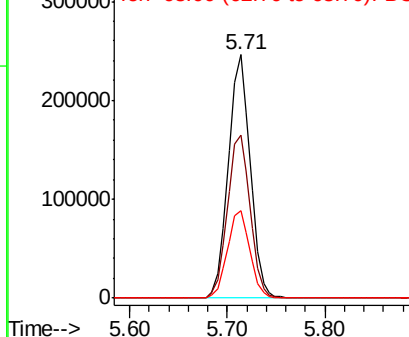
#5

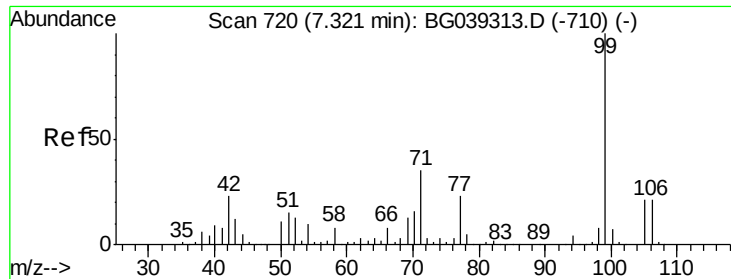
2-Fluorophenol
Concen: 148.431 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

Tgt Ion:112 Resp: 383186
Ion Ratio Lower Upper
112 100
64 67.1 57.8 86.8
63 35.9 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: 139.289 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-G

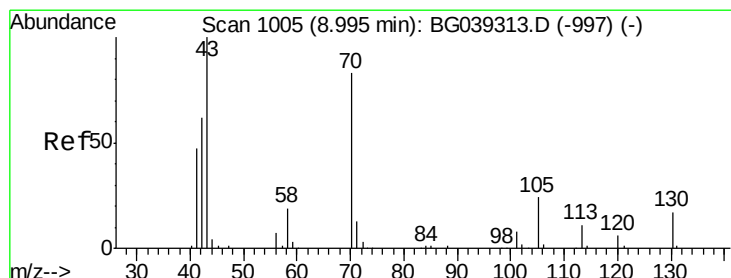
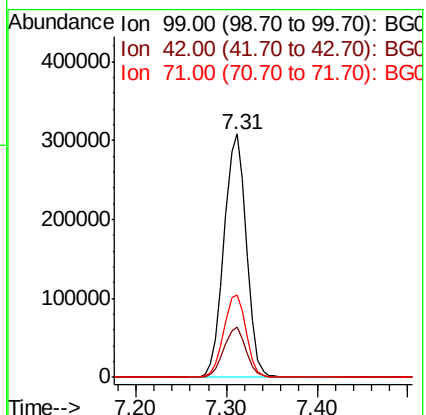
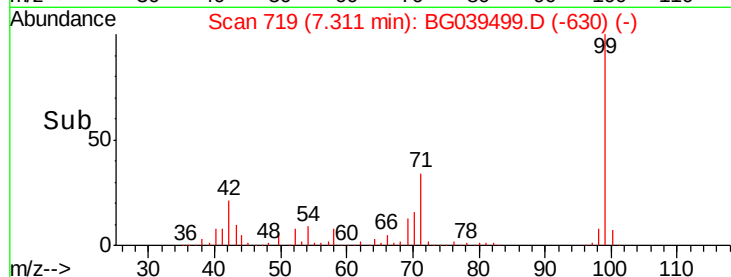
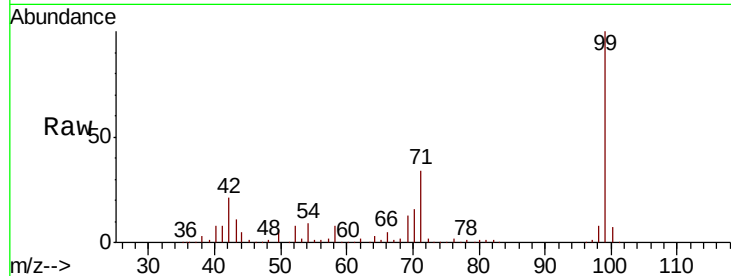
Tgt Ion: 99 Resp: 529301

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 34.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.523 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Tgt Ion: 70 Resp: 47261

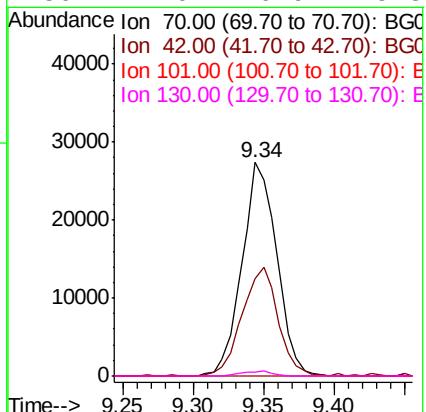
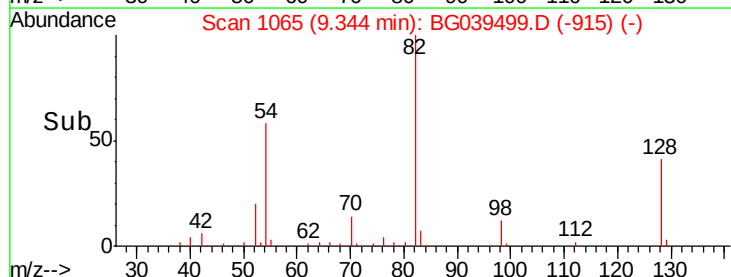
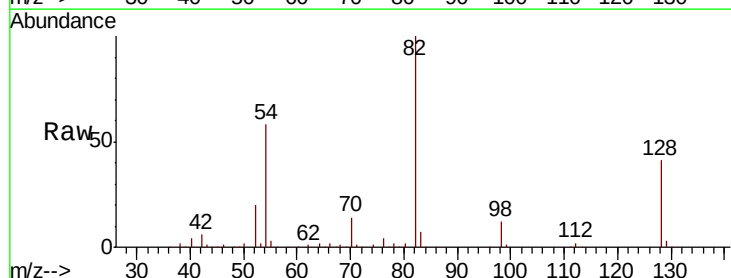
Ion Ratio Lower Upper

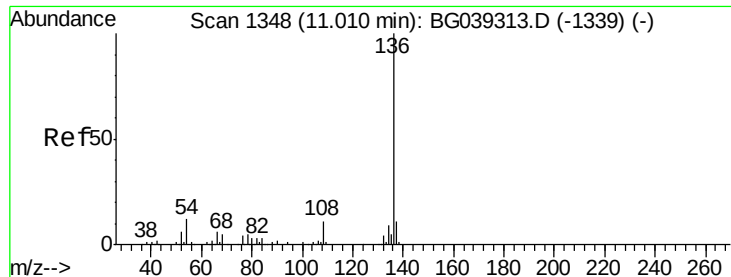
70 100

42 45.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

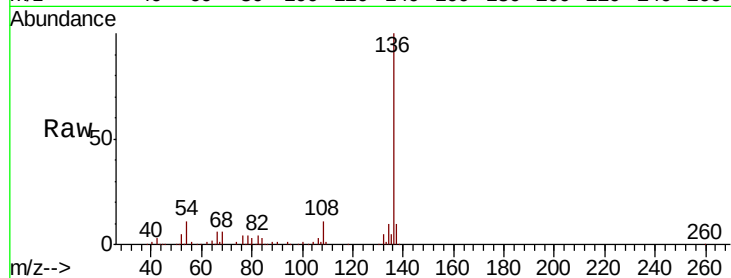




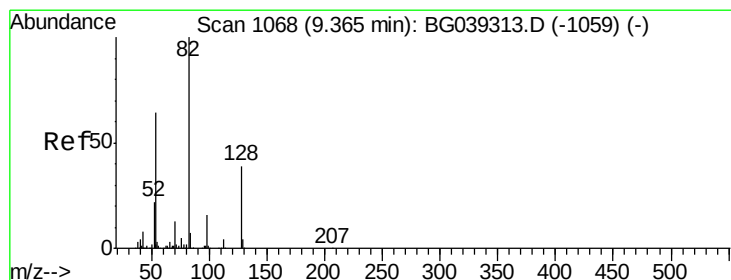
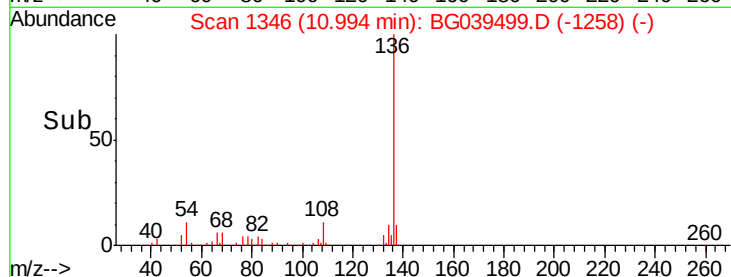
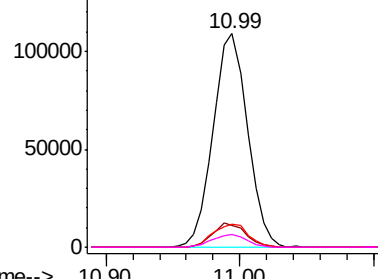
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

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

Tgt Ion:	136	Resp:	194672
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.7	9.4	14.2
68	6.2	4.2	6.4

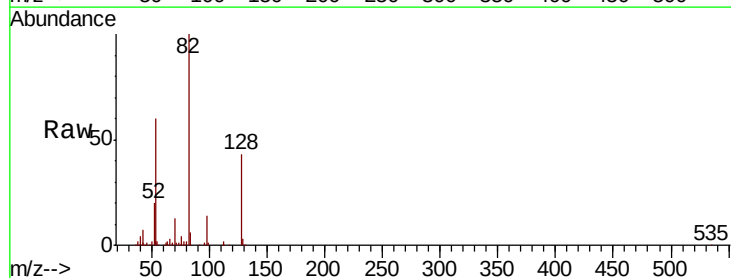


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

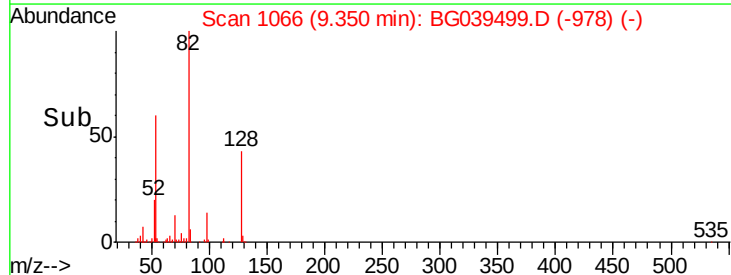
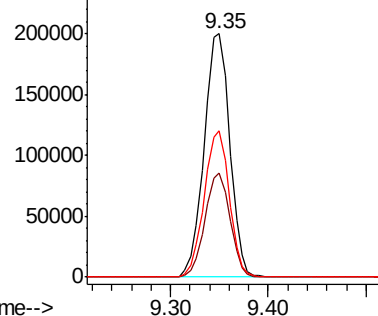


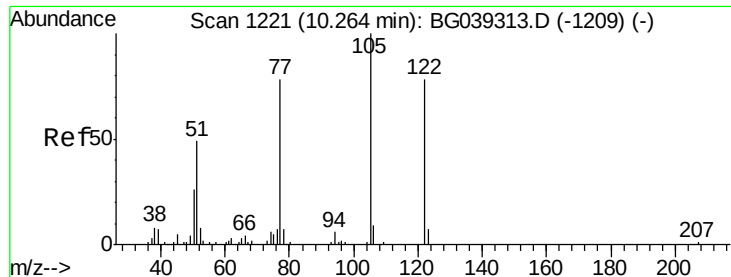
#23
Nitrobenzene-d5
Concen: 117.339 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

Tgt Ion:	82	Resp:	365648
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	60.2	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

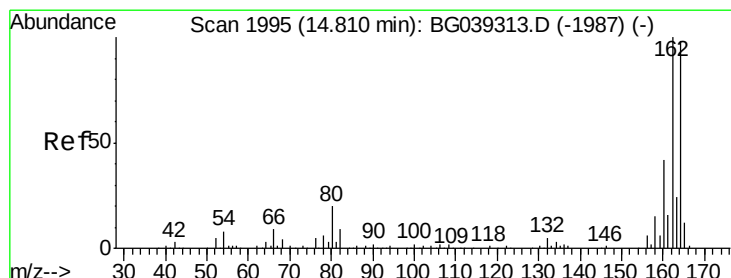
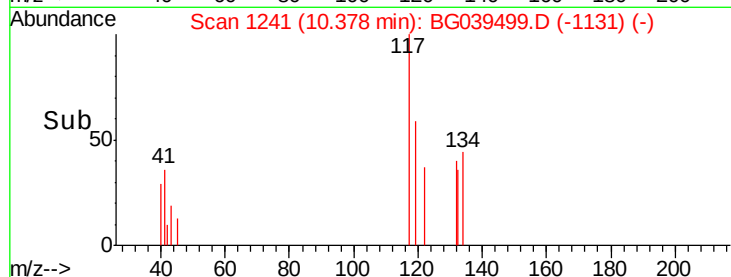
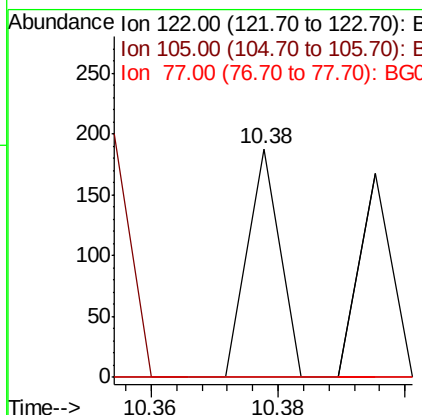
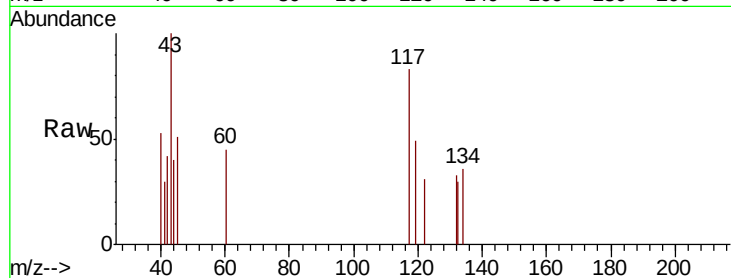




#32
Benzoic acid
Concen: 9.050 ng
RT: 10.38 min Scan# 1241
Delta R.T. 0.11 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

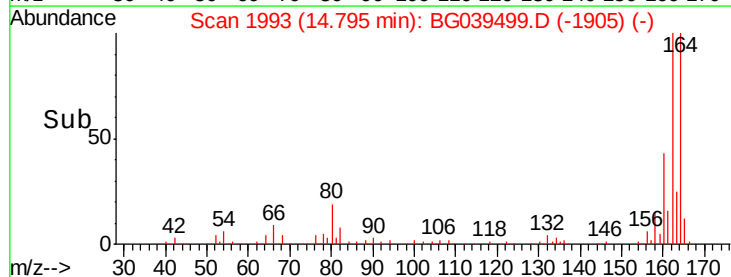
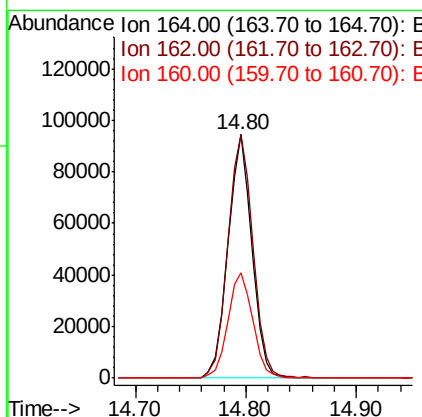
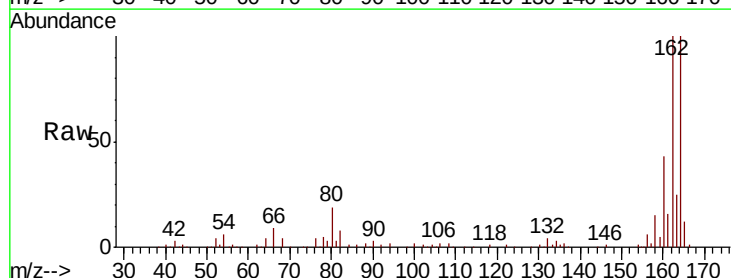
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-G

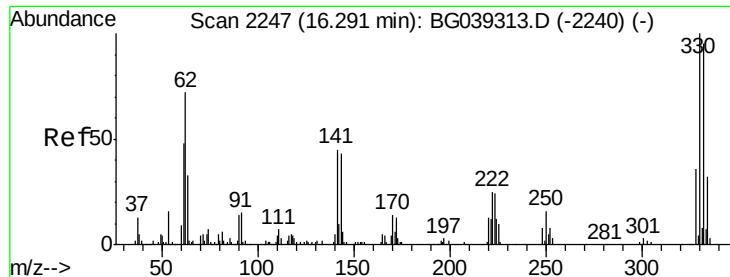
Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

Tgt Ion:164 Resp: 143221
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 43.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 139.083 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-G

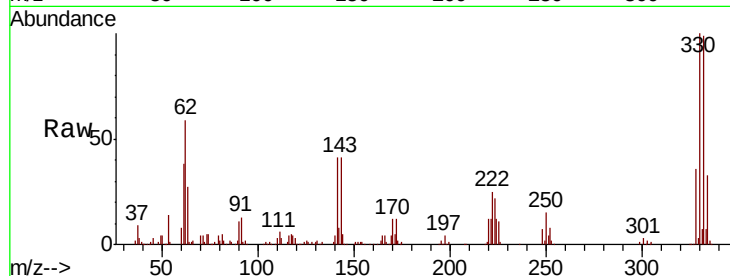
Tgt Ion:330 Resp: 214500

Ion Ratio Lower Upper

330 100

332 98.1 75.7 113.5

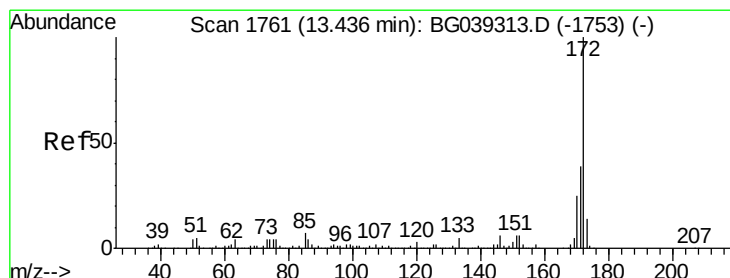
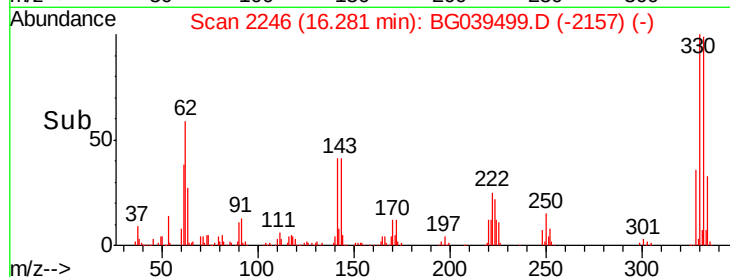
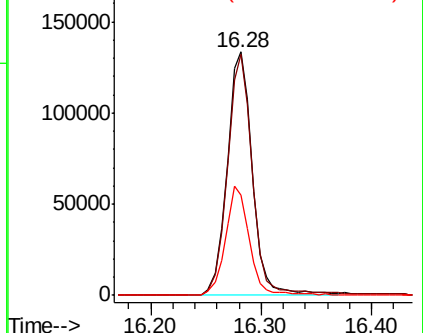
141 42.5 35.6 53.4



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: 92.185 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

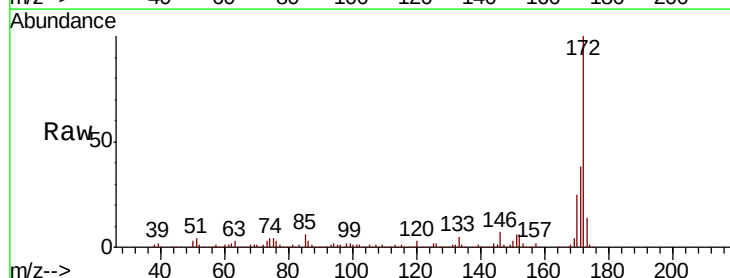
Tgt Ion:172 Resp: 920350

Ion Ratio Lower Upper

172 100

171 38.1 30.8 46.2

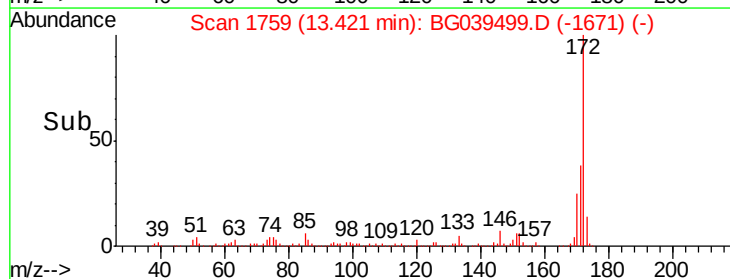
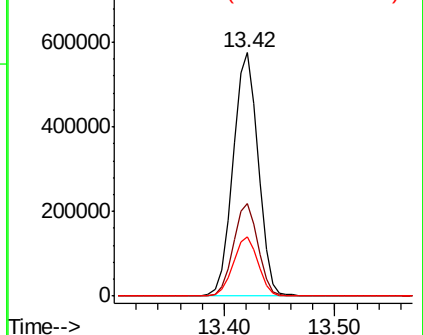
170 24.5 20.2 30.4

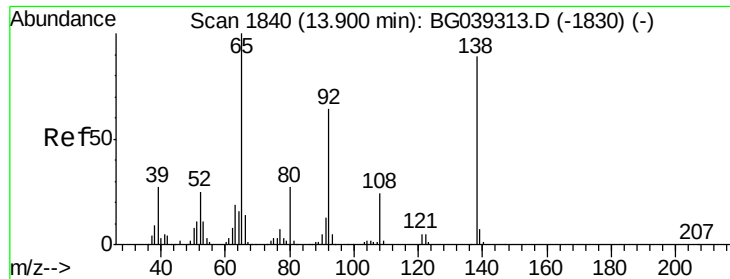


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.317 ng

RT: 14.10 min Scan# 1875

Delta R.T. 0.20 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-G

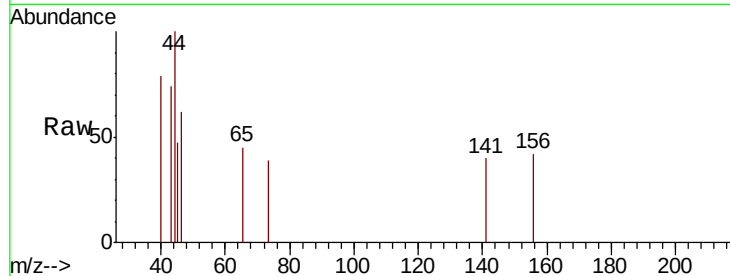
Tgt Ion: 65 Resp: 63

Ion Ratio Lower Upper

65 100

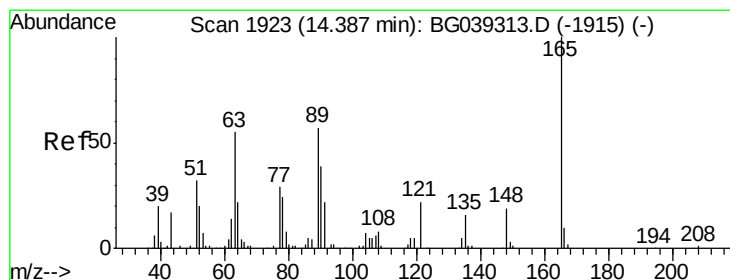
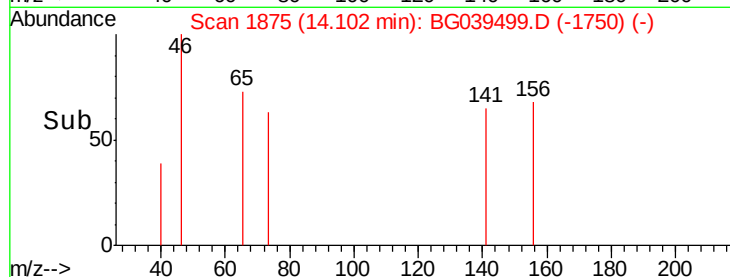
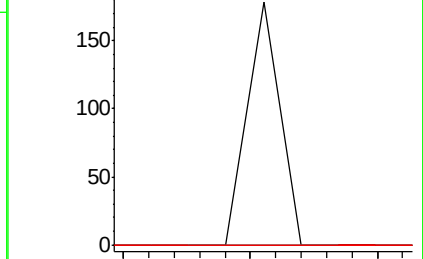
92 0.0 51.4 77.2#

138 0.0 71.4 107.2#



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

14.10



#51

2,6-Dinitrotoluene

Concen: 13.563 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

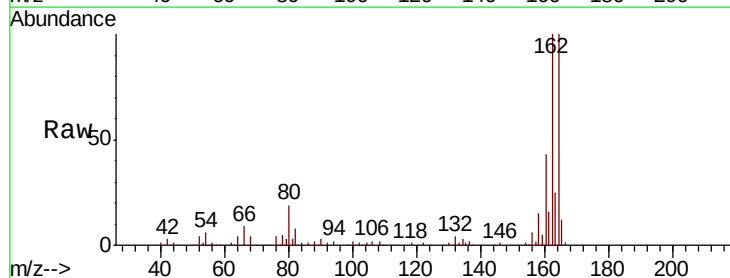
Tgt Ion: 165 Resp: 17538

Ion Ratio Lower Upper

165 100

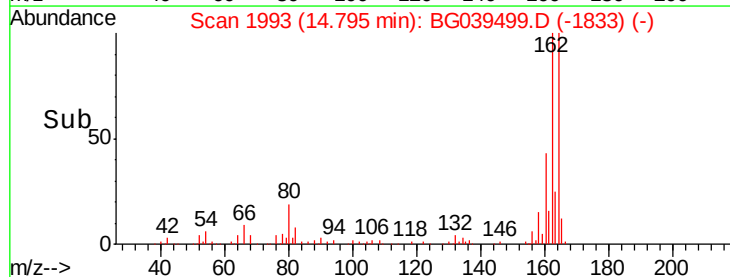
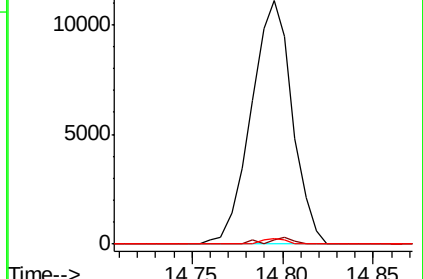
63 1.7 47.0 70.6#

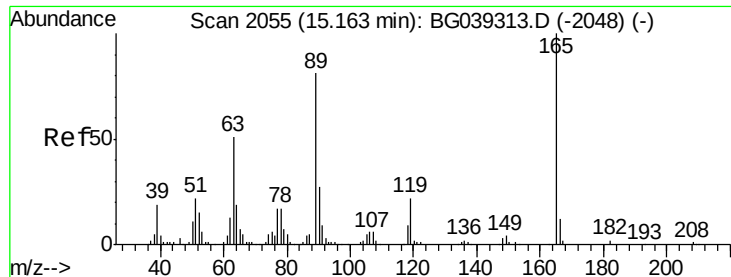
89 2.3 45.8 68.8#



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

14.80





#57

2,4-Dinitrotoluene

Concen: 13.126 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-G

Tgt Ion:165 Resp: 17538

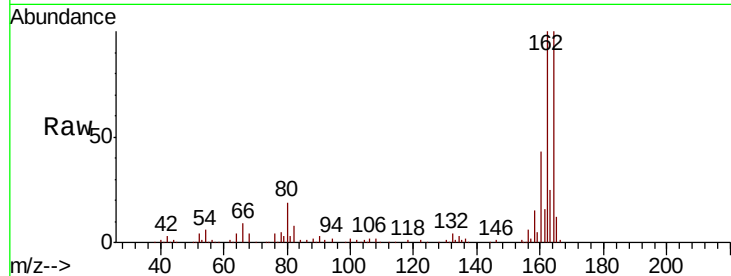
Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 2.3 64.6 96.8#

182 0.0 2.0 3.0#

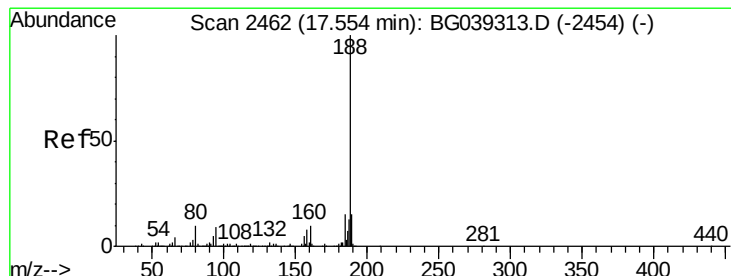
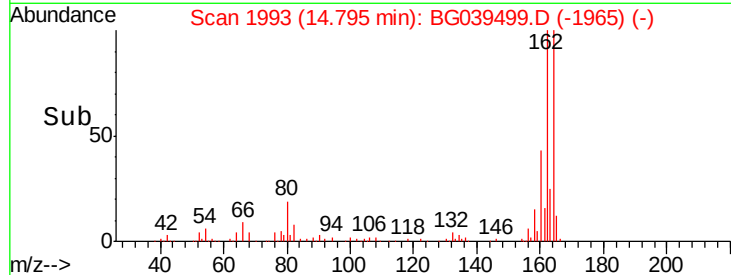
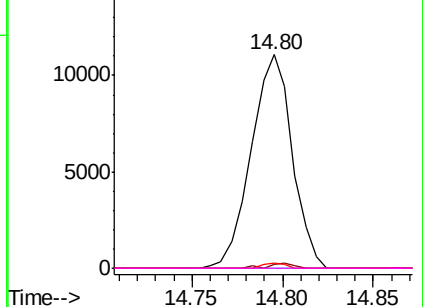


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2460

Delta R.T. -0.02 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

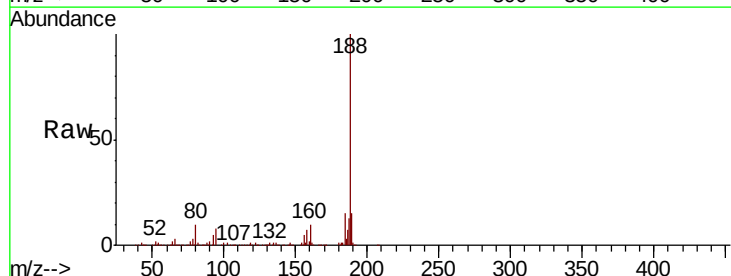
Tgt Ion:188 Resp: 360094

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

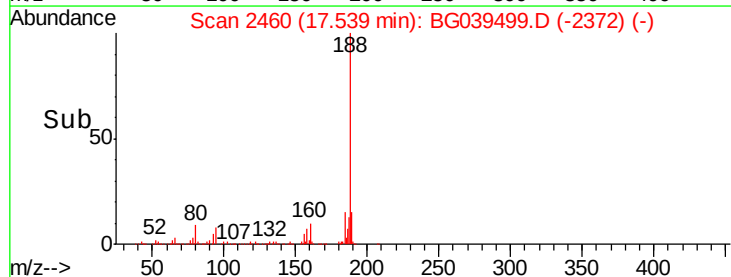
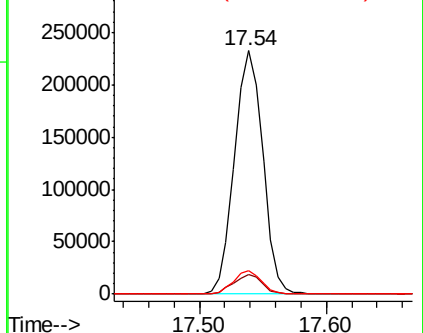
80 9.5 8.1 12.1

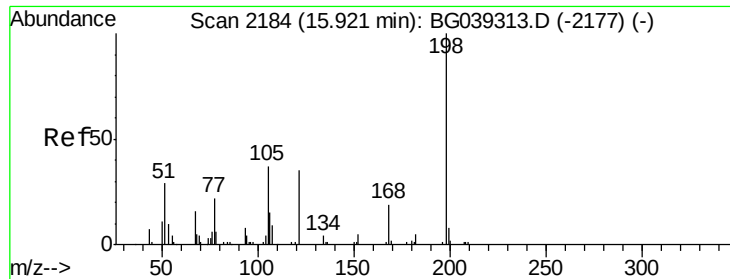


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

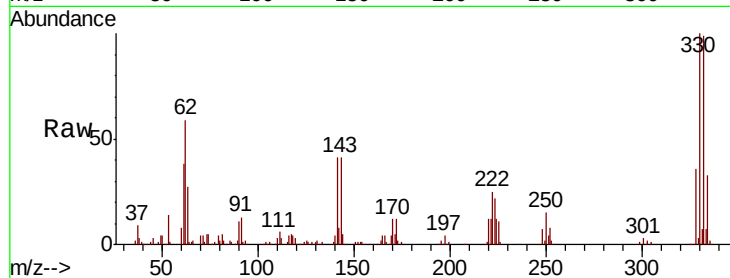




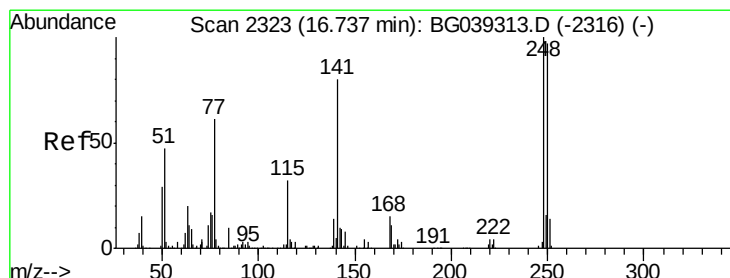
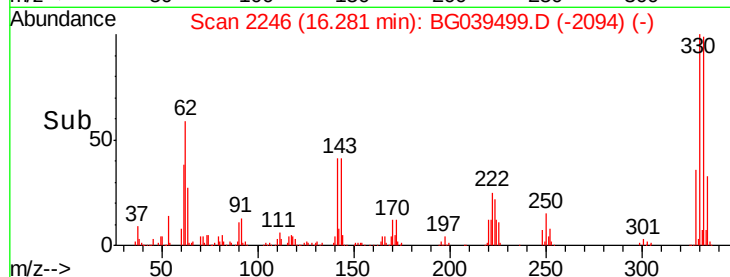
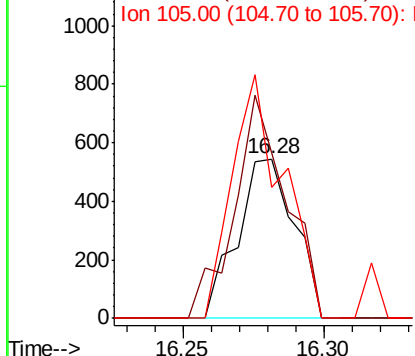
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.855 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039499.D
 Acq: 13 Feb 2019 21:57

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

Tgt Ion:198 Resp: 764
 Ion Ratio Lower Upper
 198 100
 51 103.7 27.4 67.4#
 105 81.9 19.7 59.7#

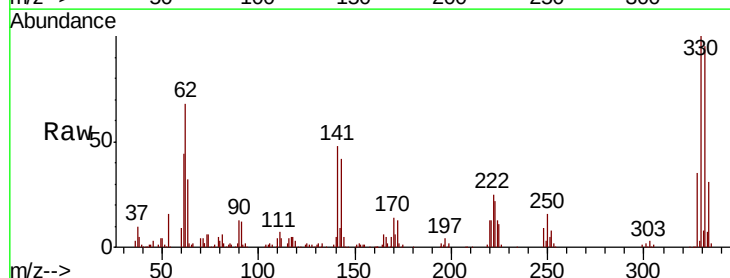


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

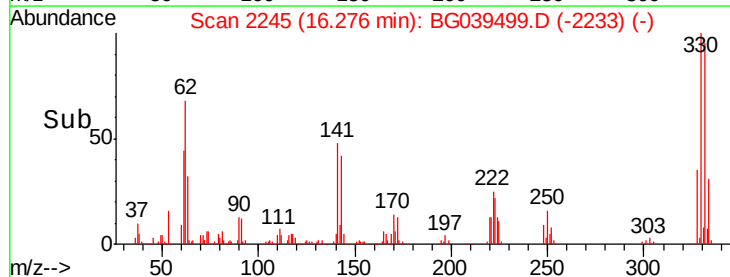
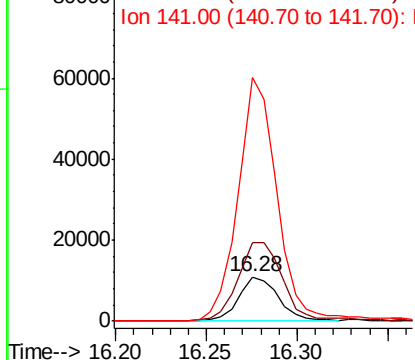


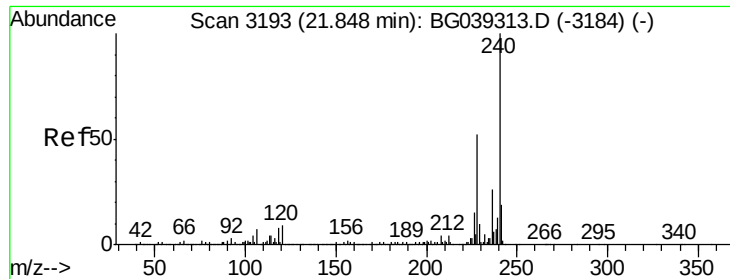
#67
 4-Bromophenyl-phenylether
 Concen: 4.166 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039499.D
 Acq: 13 Feb 2019 21:57

Tgt Ion:248 Resp: 16644
 Ion Ratio Lower Upper
 248 100
 250 177.7 77.6 116.4#
 141 547.4 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

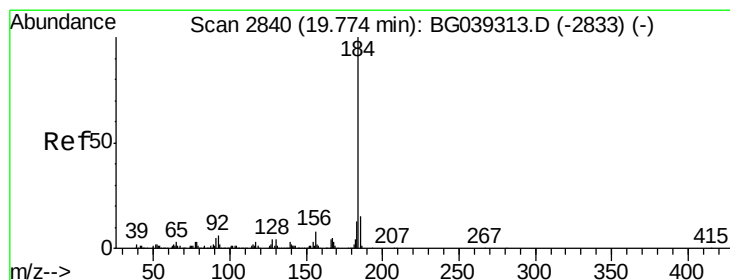
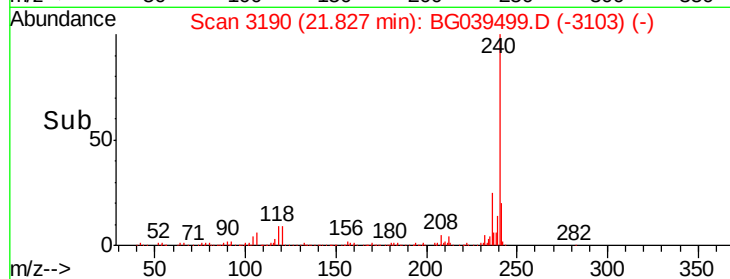
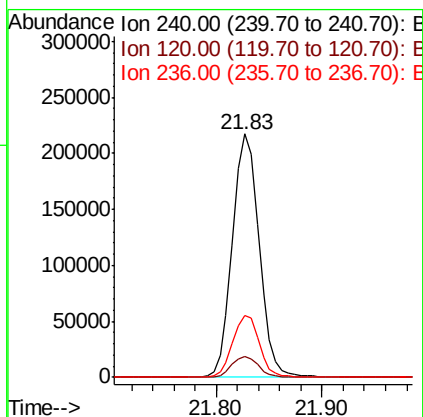
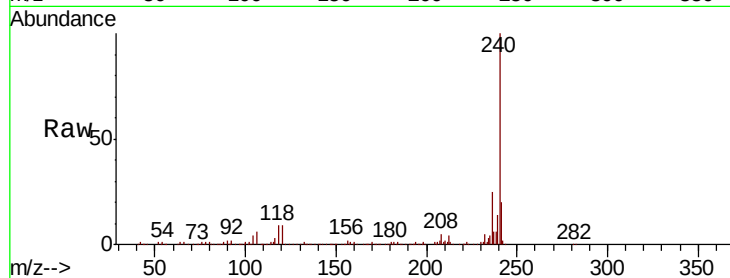




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

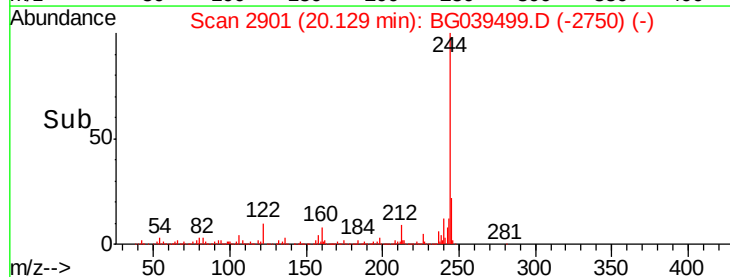
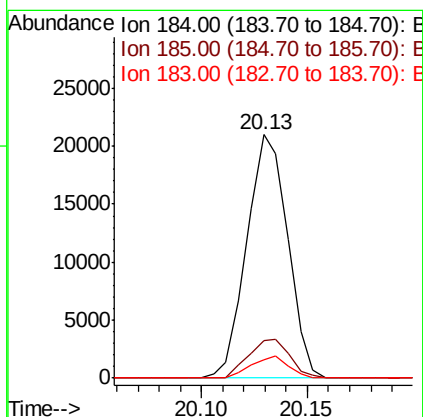
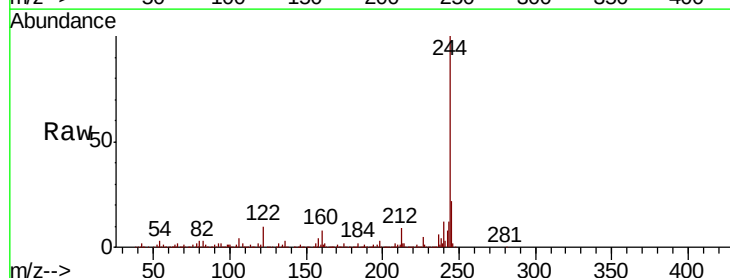
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-G

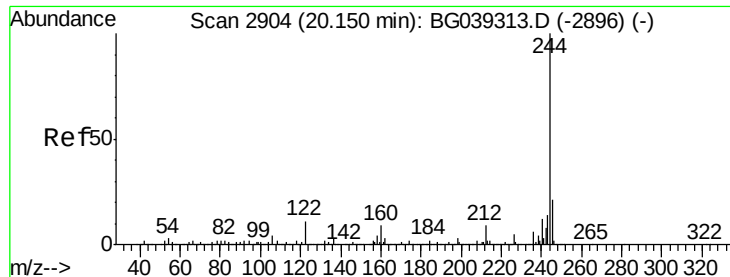
Tgt Ion:240 Resp: 379614
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 25.5 21.0 31.4



#77
Benzidine
Concen: 2.269 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.35 min
Lab File: BG039499.D
Acq: 13 Feb 2019 21:57

Tgt Ion:184 Resp: 28242
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 7.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 87.208 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-G

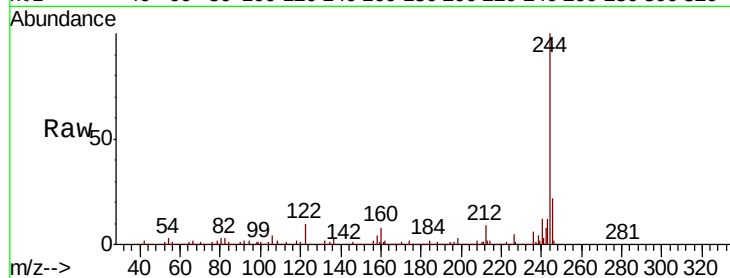
Tgt Ion:244 Resp: 1564024

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

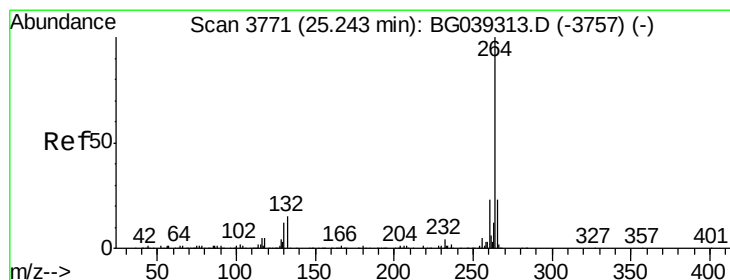
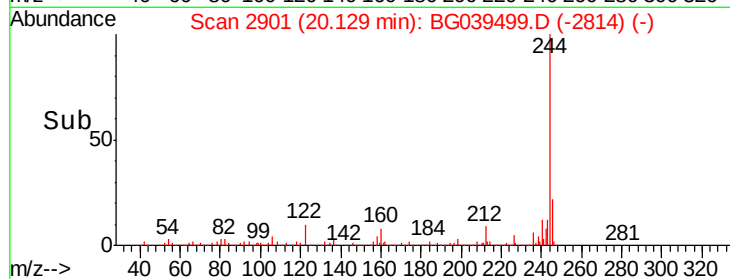
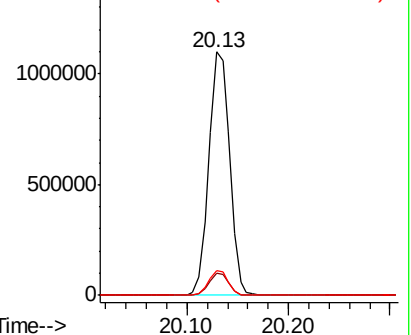
122 10.3 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039499.D

Acq: 13 Feb 2019 21:57

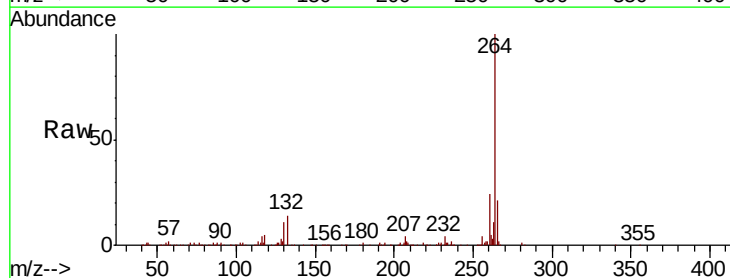
Tgt Ion:264 Resp: 352768

Ion Ratio Lower Upper

264 100

260 23.7 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

