

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039501.D
 Acq On : 13 Feb 2019 23:16
 Operator : JU/SJ
 Sample : K1343-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 14 02:49:53 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

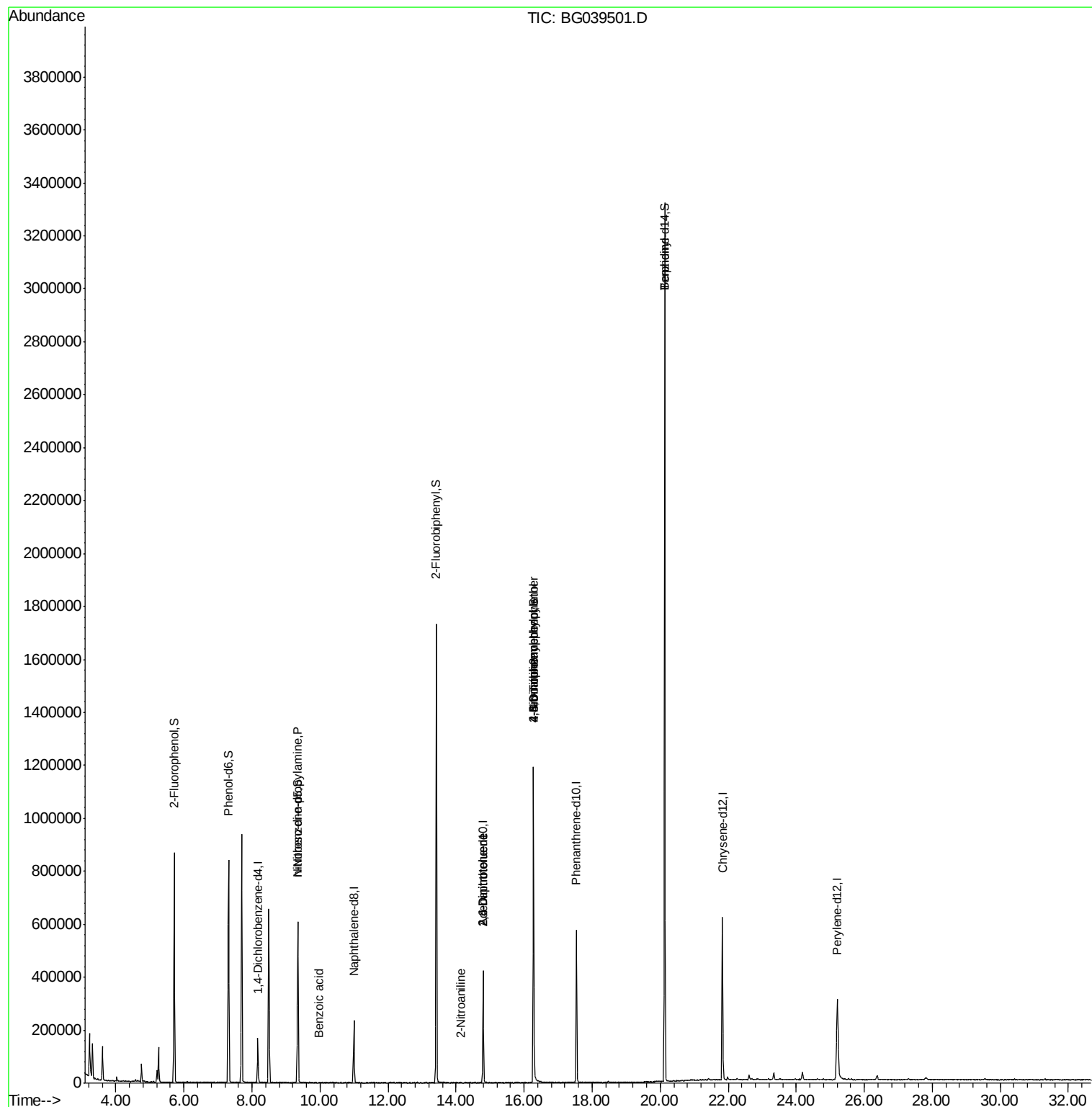
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44373	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	200456	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	147410	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	367637	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	388092	20.00	ng	-0.02
87) Perylene-d12	25.21	264	374305	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	362569	139.85	ng	0.00
7) Phenol-d6	7.31	99	481085	126.06	ng	0.00
23) Nitrobenzene-d5	9.35	82	364845	113.70	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	216139	136.16	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	921054	89.63	ng	-0.01
79) Terphenyl-d14	20.13	244	1556939	84.92	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	803	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	48876	18.044 ng	#	4
32) Benzoic acid	9.97	122	56	9.045 ng	#	1
48) 2-Nitroaniline	14.14	65	53	8.313 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	18610	13.780 ng	#	24
57) 2,4-Dinitrotoluene	14.80	165	18610	13.290 ng	#	19
62) 4-Nitroaniline	16.27	138	57	4.223 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	934	4.989 ng	#	33
67) 4-Bromophenyl-phenylether	16.28	248	16277	3.991 ng	#	1
77) Benzidine	20.13	184	27803	2.185 ng	#	92

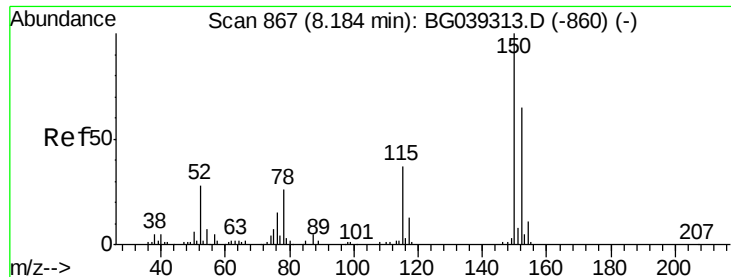
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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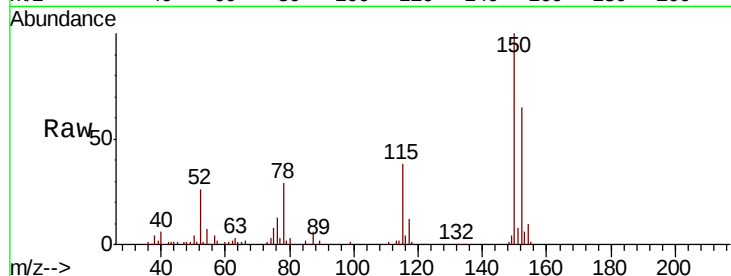


#1

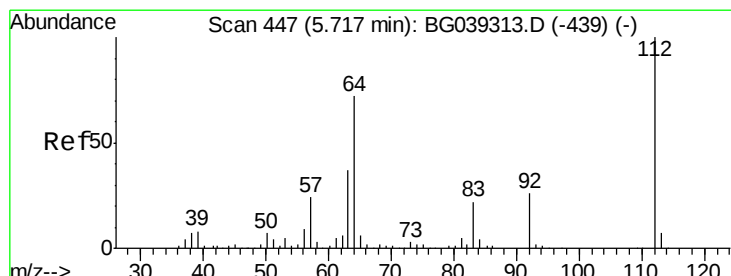
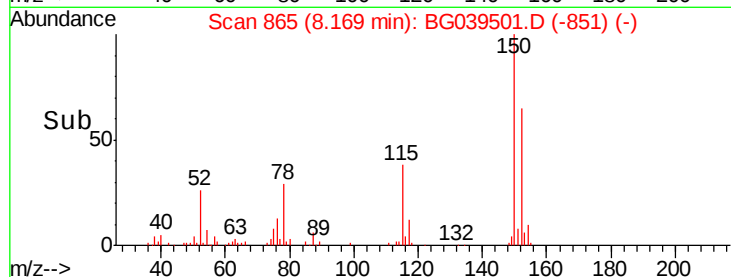
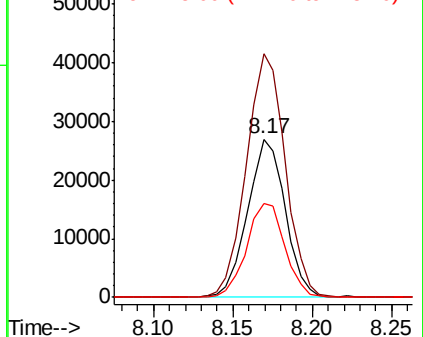
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

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

Tgt Ion:152 Resp: 44373
Ion Ratio Lower Upper
152 100
150 153.7 123.7 185.5
115 58.9 45.9 68.9



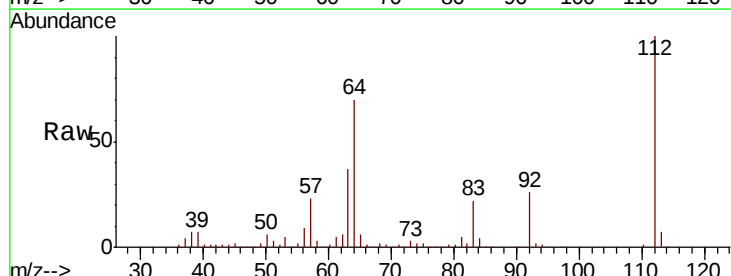
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



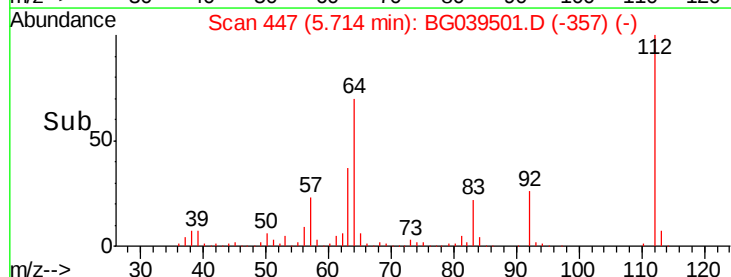
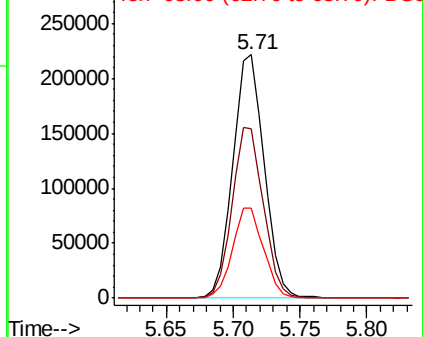
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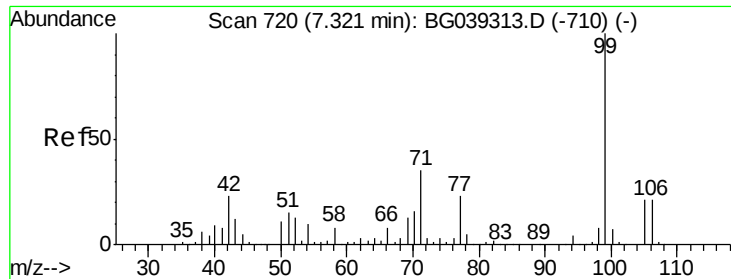
2-Fluorophenol
Concen: 139.846 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

Tgt Ion:112 Resp: 362569
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 37.1 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: 126.062 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-I

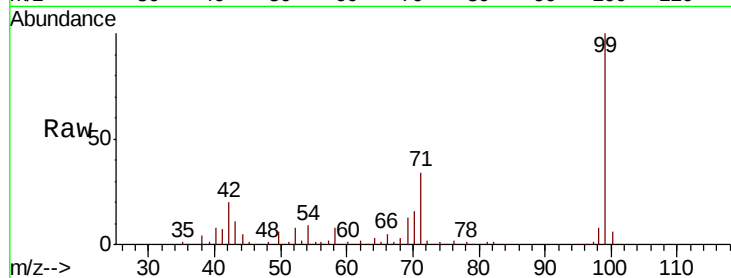
Tgt Ion: 99 Resp: 481085

Ion Ratio Lower Upper

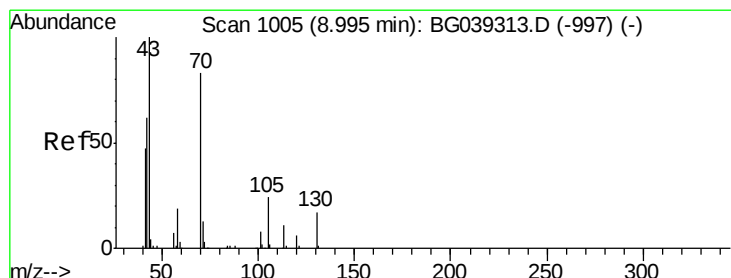
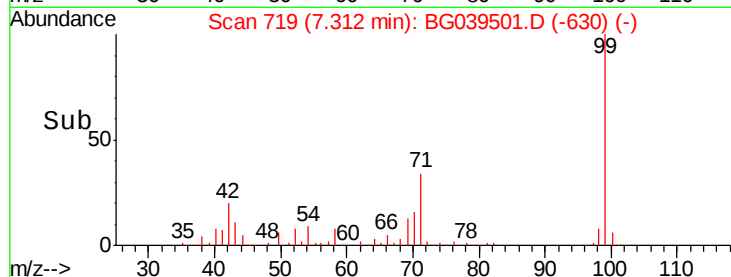
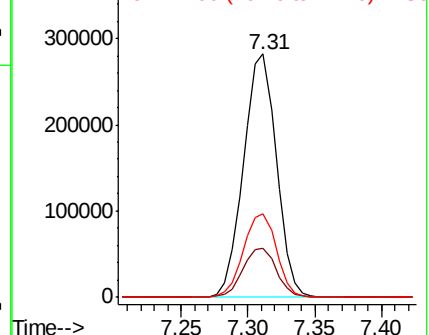
99 100

42 20.4 18.2 27.2

71 34.1 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: 18.044 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

Tgt Ion: 70 Resp: 48876

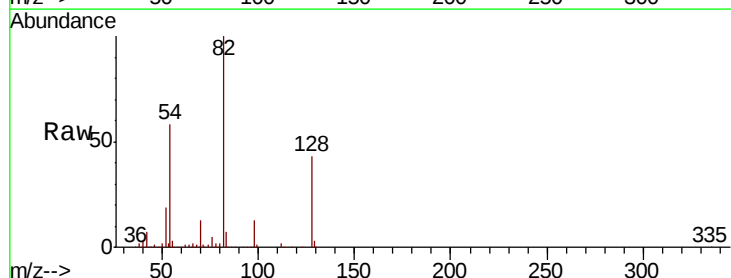
Ion Ratio Lower Upper

70 100

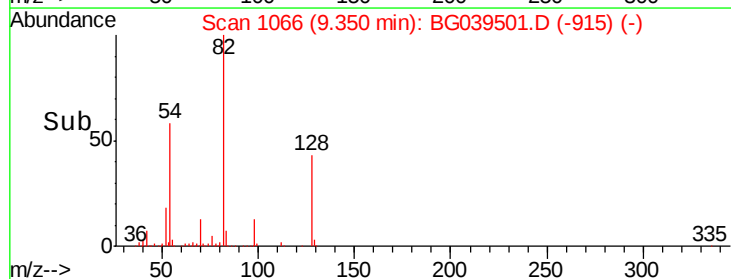
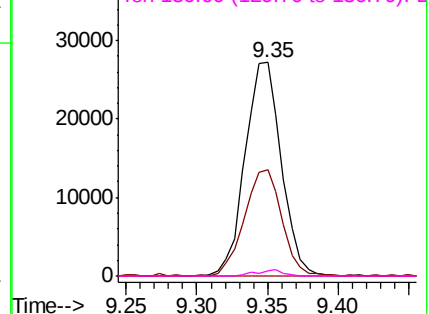
42 49.9 60.4 90.6#

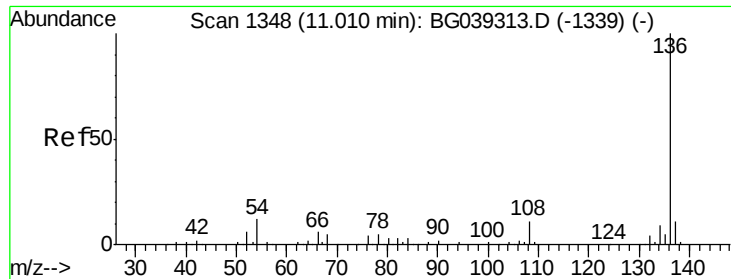
101 0.0 7.5 11.3#

130 2.3 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

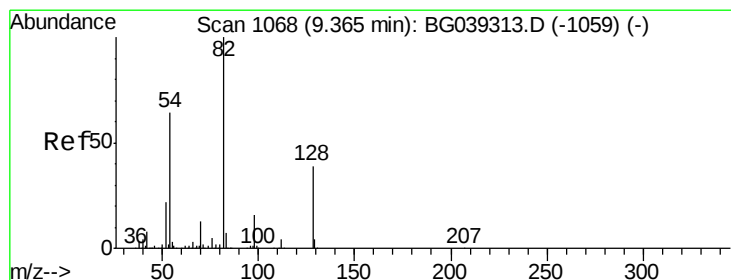
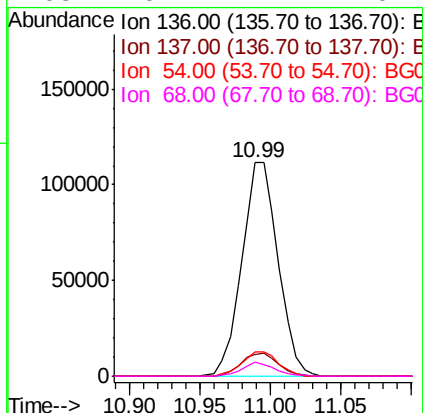
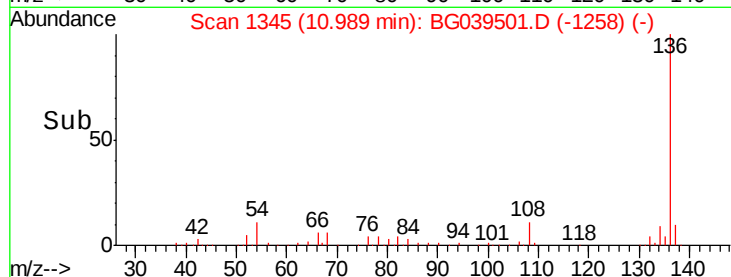
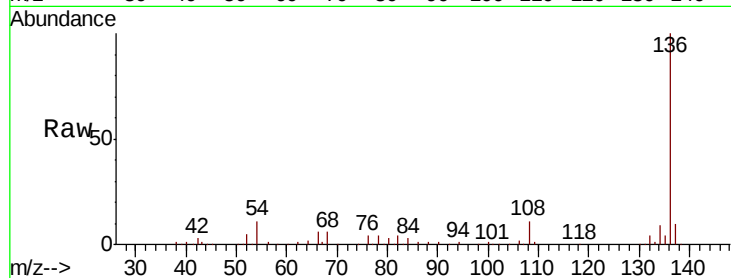




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

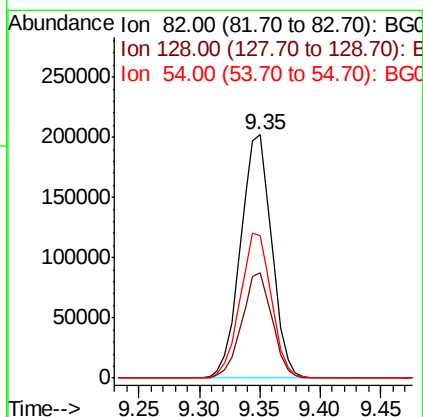
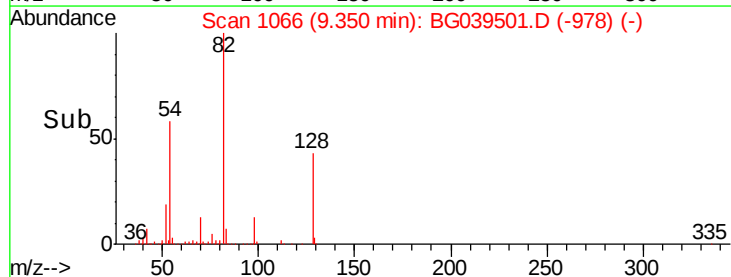
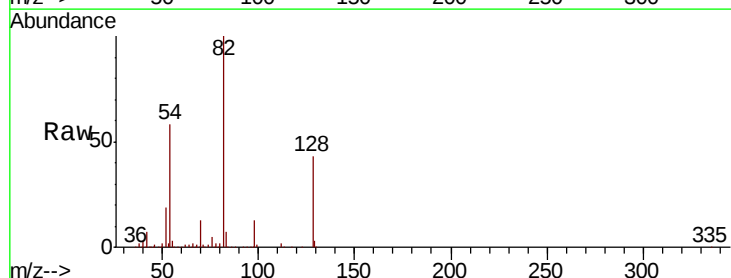
Instrument :
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JC-02-021119-I

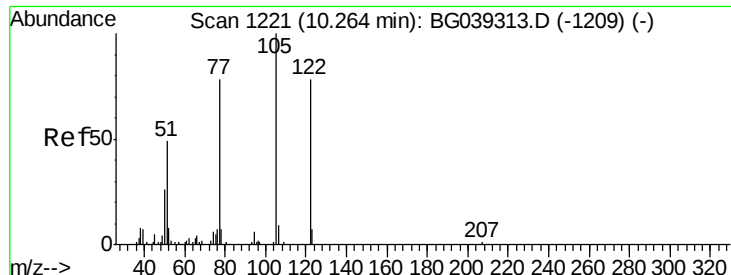
Tgt Ion:	136	Resp:	200456
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.2	9.4	14.2
68	6.4	4.2	6.4



#23
Nitrobenzene-d5
Concen: 113.703 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

Tgt Ion:	82	Resp:	364845
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	58.3	50.9	76.3

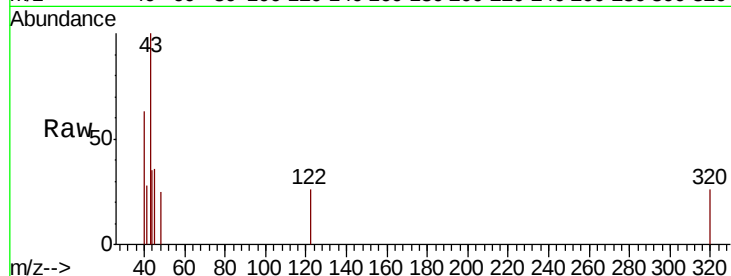




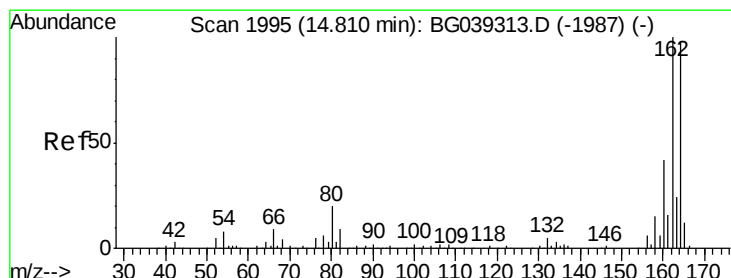
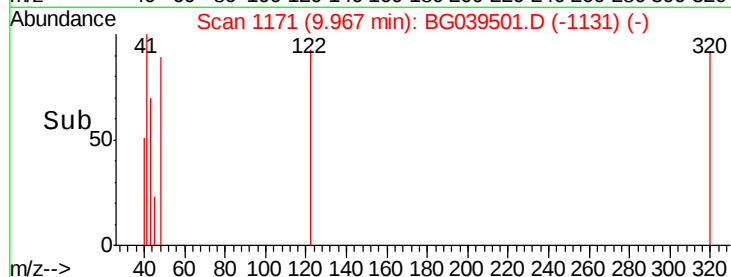
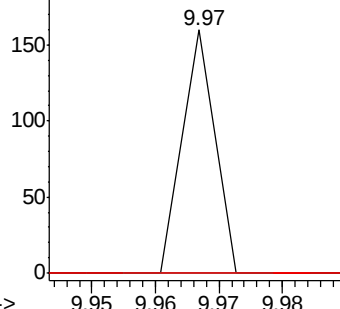
#32
Benzoic acid
Concen: 9.045 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.30 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

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

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

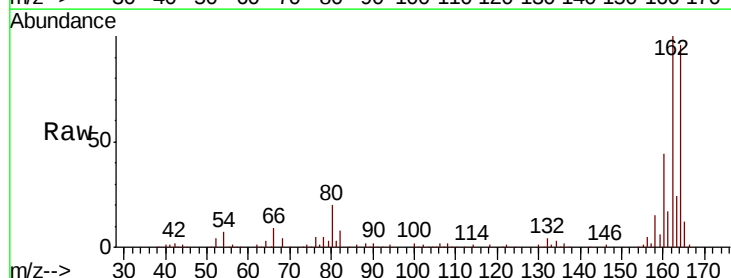


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

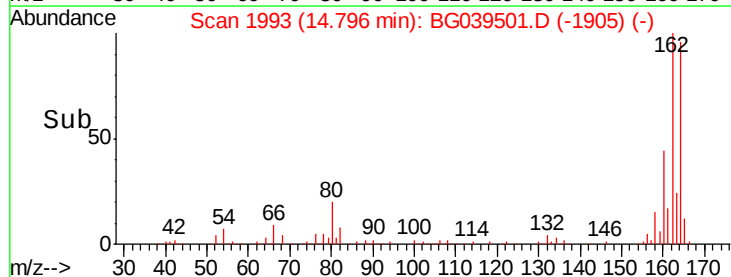
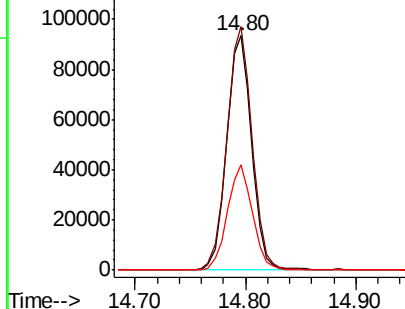


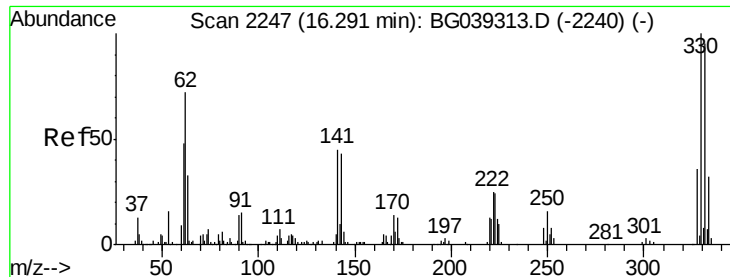
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.6	122.4
160	45.3	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

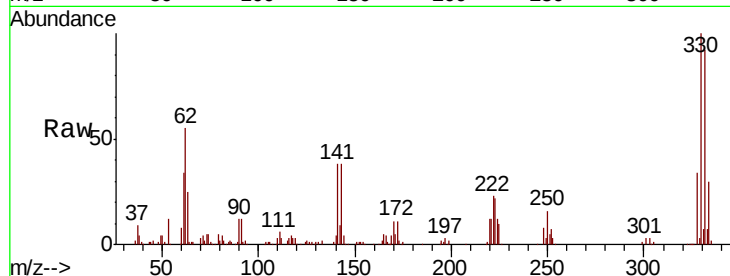




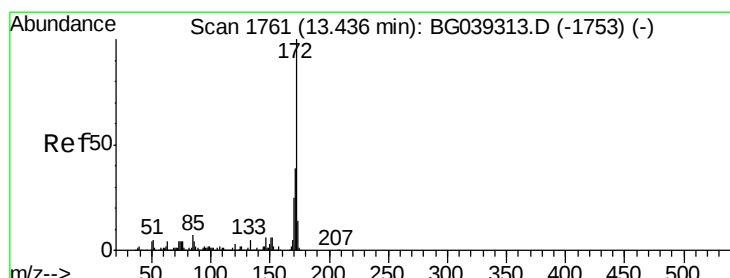
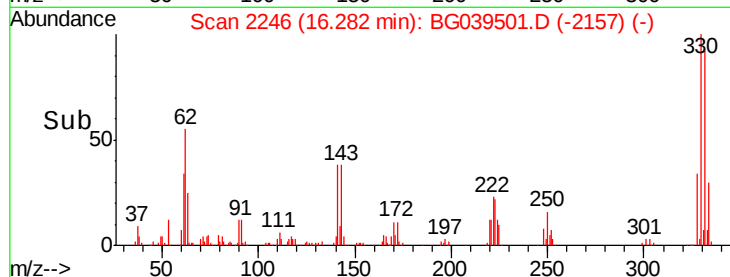
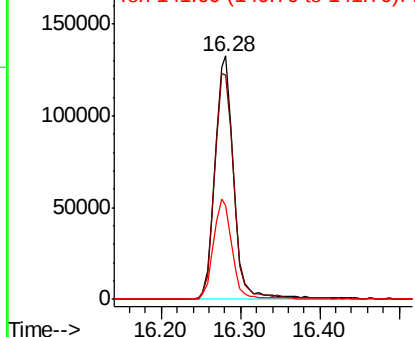
#42
 2,4,6-Tribromophenol
 Concen: 136.163 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039501.D
 Acq: 13 Feb 2019 23:16

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.7	113.5
141	41.3	35.6	53.4

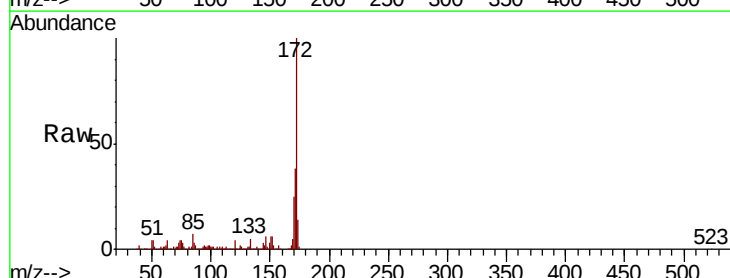


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

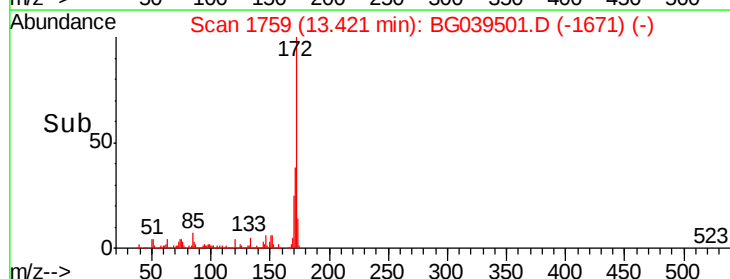
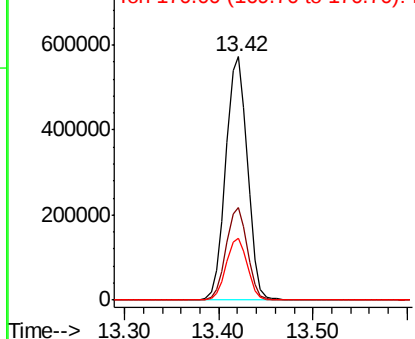


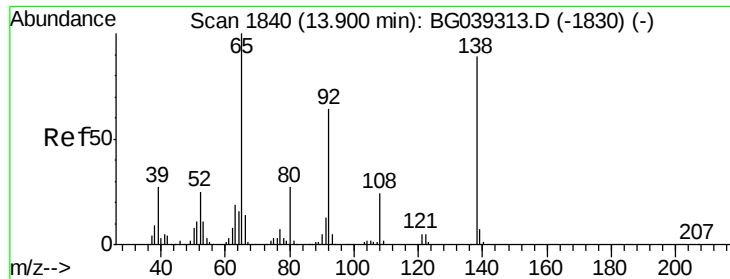
#45
 2-Fluorobiphenyl
 Concen: 89.634 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039501.D
 Acq: 13 Feb 2019 23:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.2	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

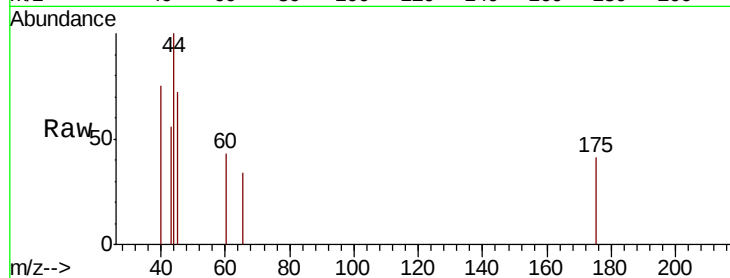




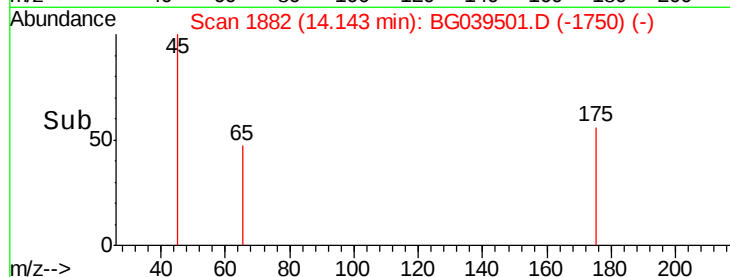
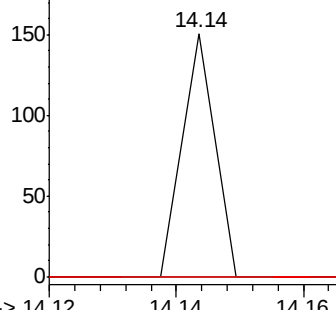
#48
2-Nitroaniline
Concen: 8.313 ng
RT: 14.14 min Scan# 1882
Delta R.T. 0.24 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

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

Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

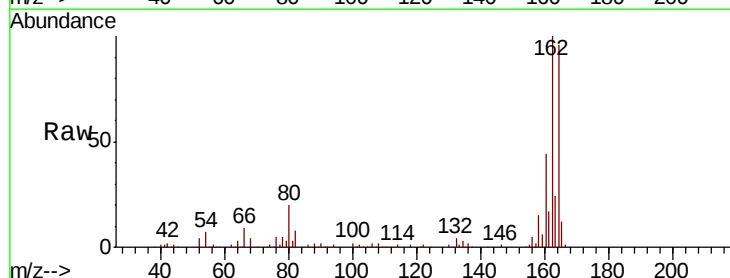
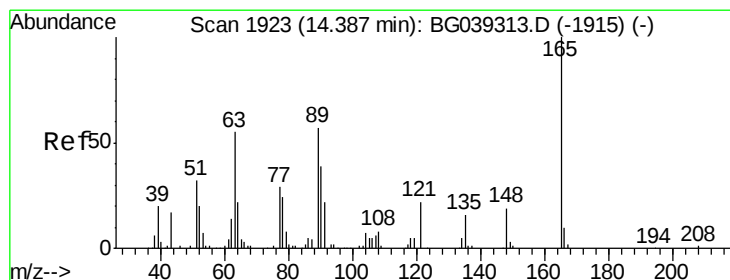


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

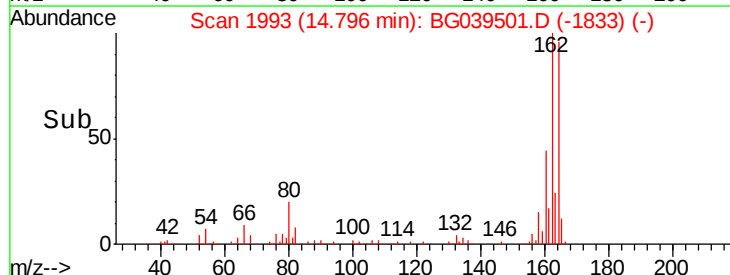
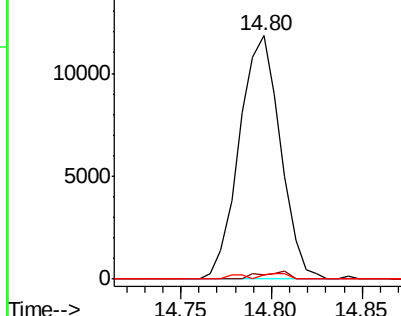


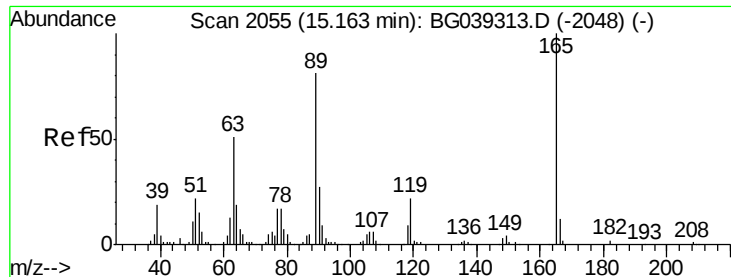
#51
2,6-Dinitrotoluene
Concen: 13.780 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039501.D
Acq: 13 Feb 2019 23:16

Tgt Ion: 165 Resp: 18610
Ion Ratio Lower Upper
165 100
63 1.7 47.0 70.6#
89 1.5 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





#57

2,4-Dinitrotoluene

Concen: 13.290 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-I

Tgt Ion:165 Resp: 18610

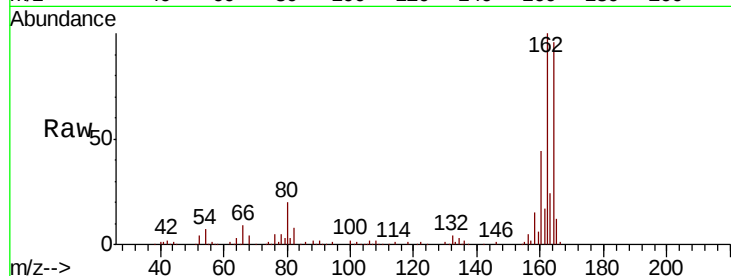
Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 1.5 64.6 96.8#

182 0.0 2.0 3.0#

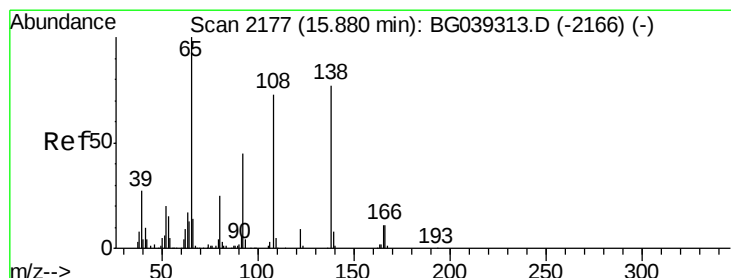
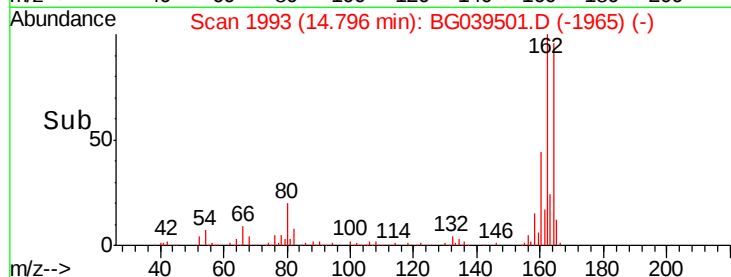
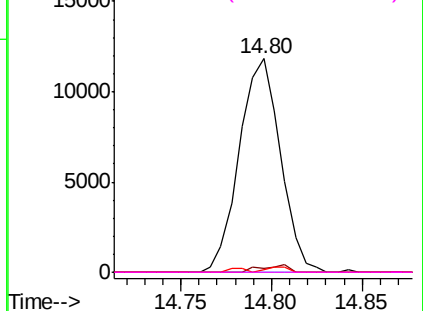


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.223 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.39 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

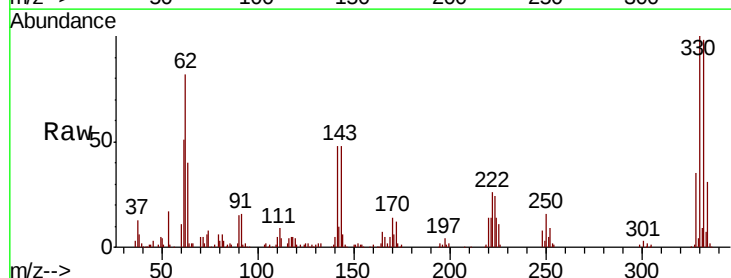
Tgt Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

92 608.6 38.7 78.7#

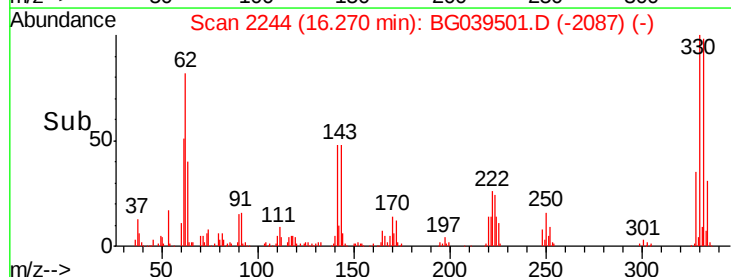
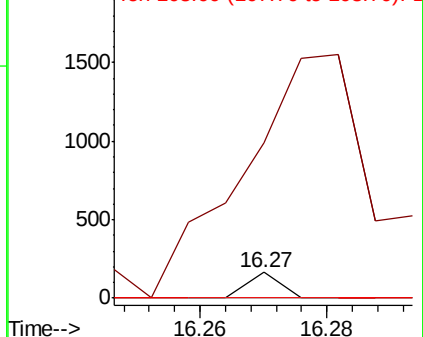
108 0.0 74.6 114.6#

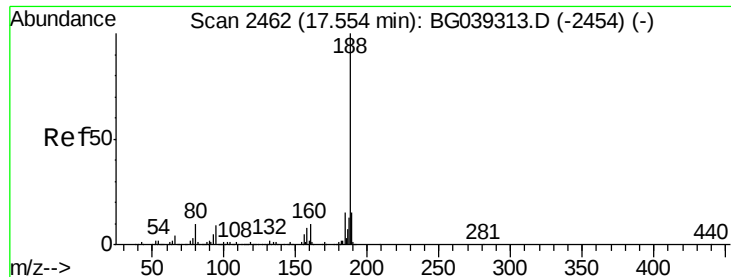


Abundance Ion 138.00 (137.70 to 138.70): E

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. -0.01 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-I

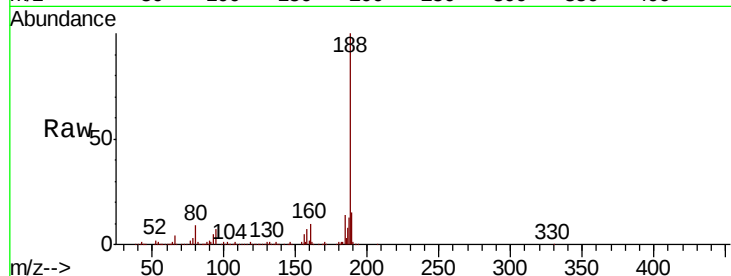
Tgt Ion:188 Resp: 367637

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

80 8.9 8.1 12.1

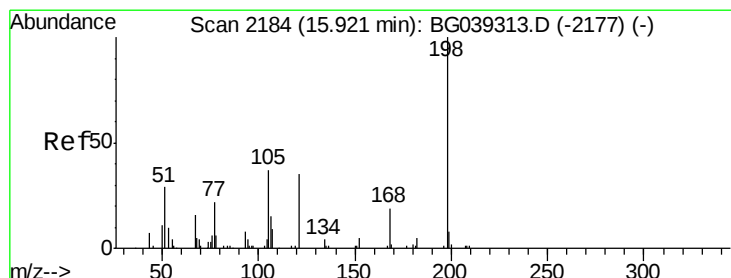
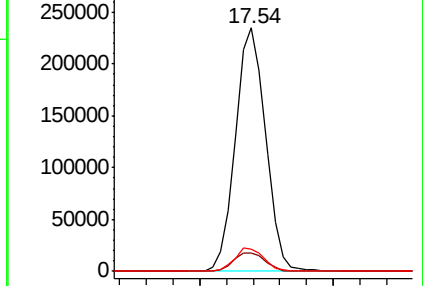
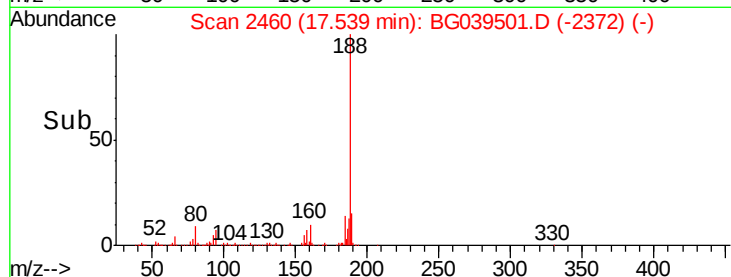


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.54



#65

4,6-Dinitro-2-methylphenol

Concen: 4.989 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

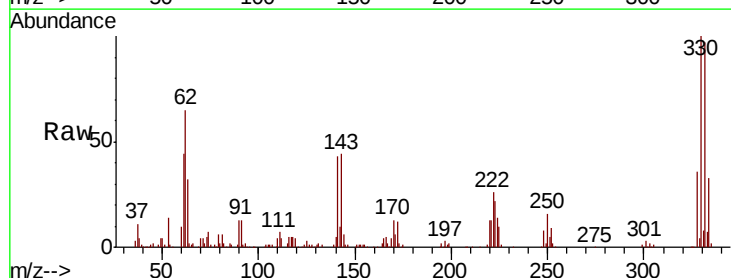
Tgt Ion:198 Resp: 934

Ion Ratio Lower Upper

198 100

51 85.9 27.4 67.4#

105 87.8 19.7 59.7#

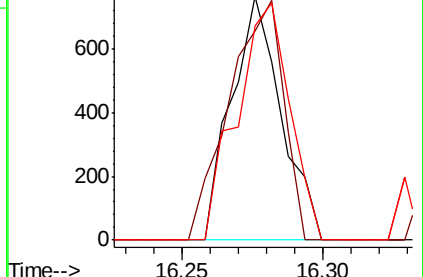
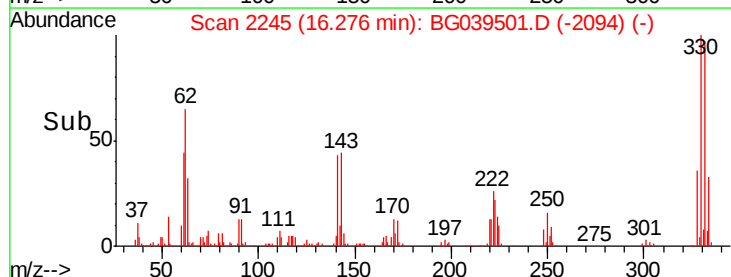


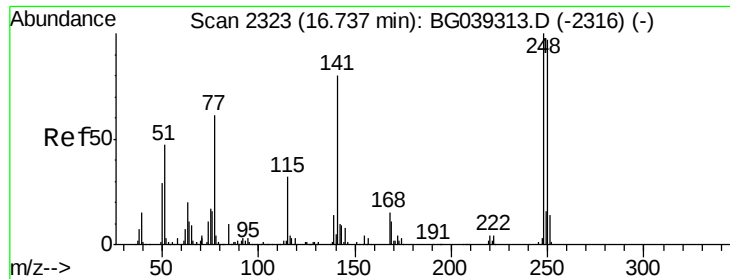
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

16.28

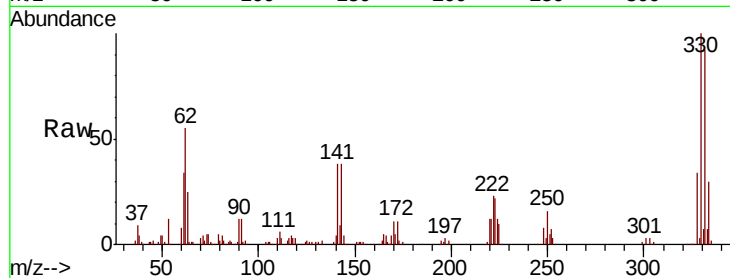




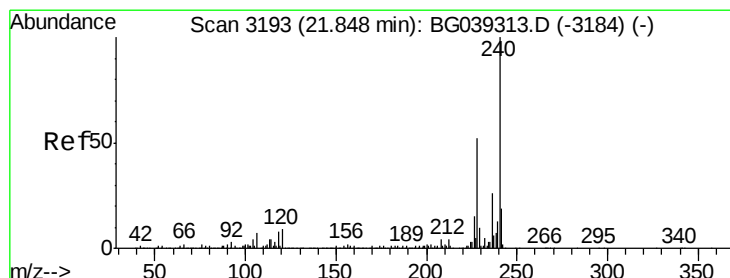
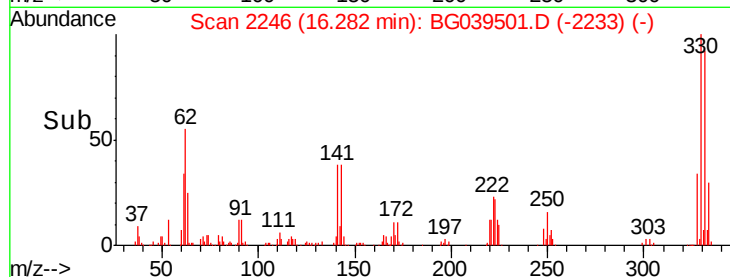
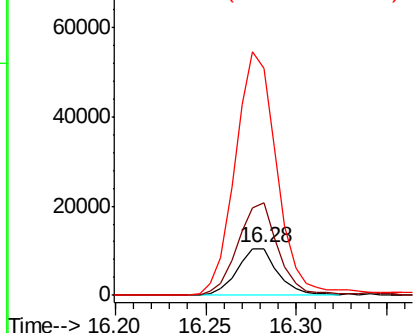
#67
 4-Bromophenyl-phenylether
 Concen: 3.991 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039501.D
 Acq: 13 Feb 2019 23:16

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

Tgt Ion:248 Resp: 16277
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.6 116.4#
 141 488.0 63.9 95.9#

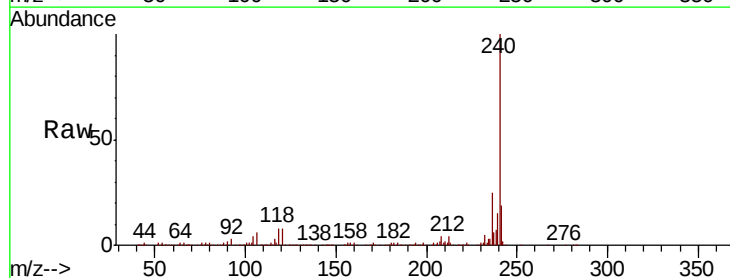


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

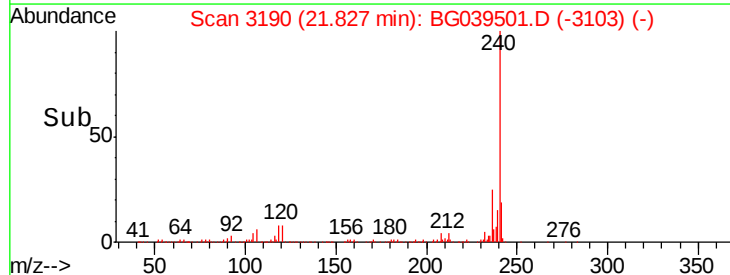
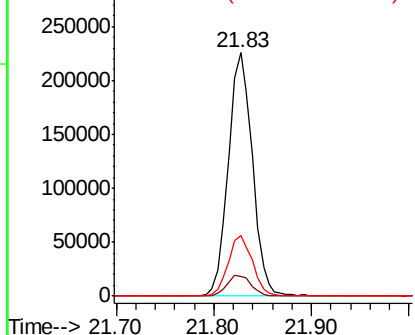


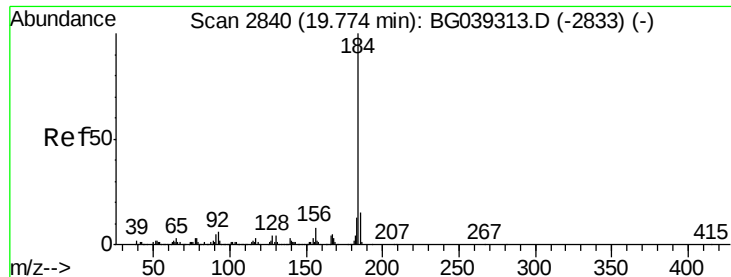
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039501.D
 Acq: 13 Feb 2019 23:16

Tgt Ion:240 Resp: 388092
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 25.0 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: 2.185 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-I

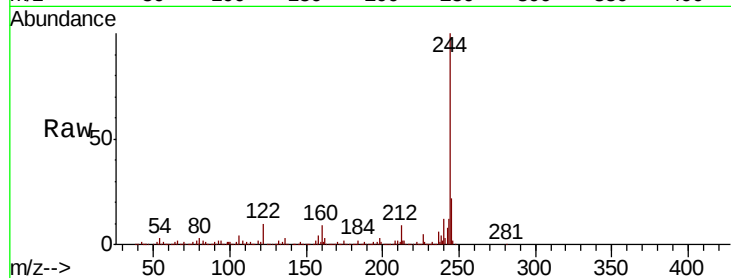
Tgt Ion:184 Resp: 27803

Ion Ratio Lower Upper

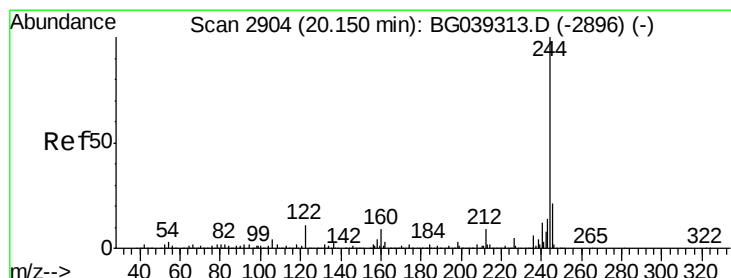
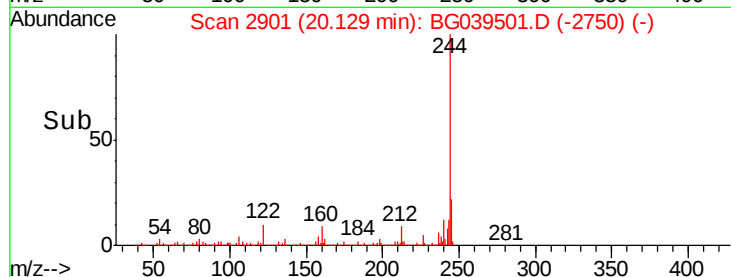
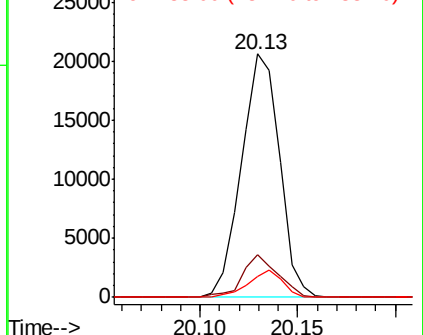
184 100

185 17.4 12.2 18.2

183 8.4 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 84.917 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039501.D

Acq: 13 Feb 2019 23:16

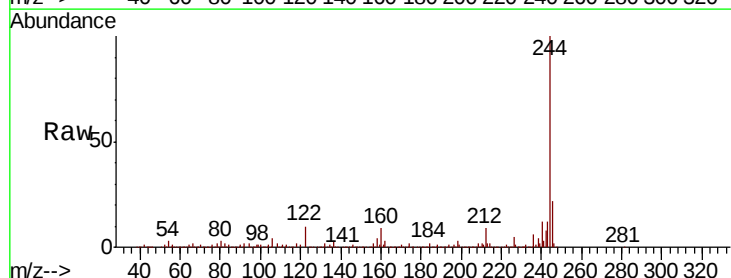
Tgt Ion:244 Resp: 1556939

Ion Ratio Lower Upper

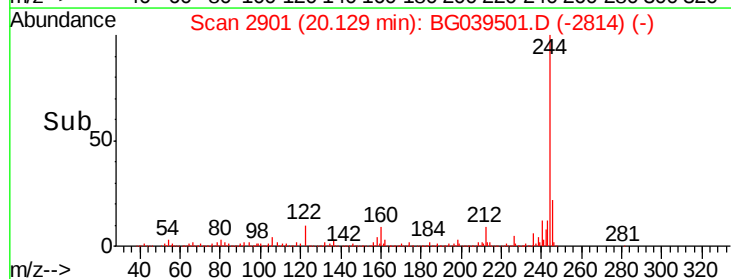
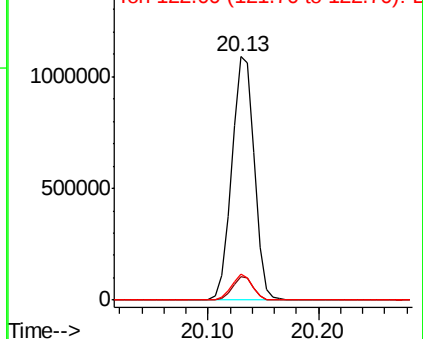
244 100

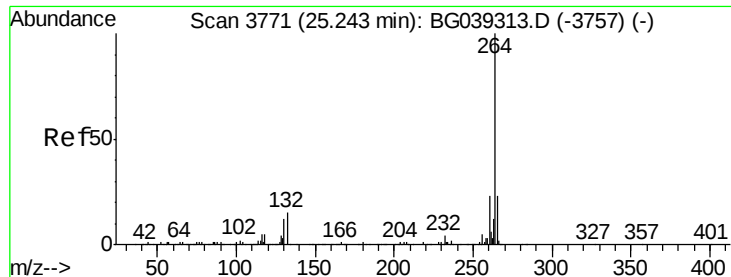
212 9.5 7.3 10.9

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: BG039501.D
Acq: 13 Feb 2019 23:16

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

Tgt Ion:	264	Resp:	374305
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	22.3	18.5	27.7

