

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039405.D
 Acq On : 8 Feb 2019 6:47
 Operator : JU/SJ
 Sample : K1389-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-5-D

Quant Time: Feb 08 09:18:04 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	8.18	152	55068	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	233287	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	153137	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	363217	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	392243	20.00	ng	-0.01
87) Perylene-d12	25.22	264	374352	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	458673	142.56	ng	0.00
7) Phenol-d6	7.32	99	608174	128.41	ng	0.00
23) Nitrobenzene-d5	9.36	82	423825	113.50	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	199598	121.04	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	986828	92.44	ng	0.00
79) Terphenyl-d14	20.14	244	1619135	87.37	ng	-0.01

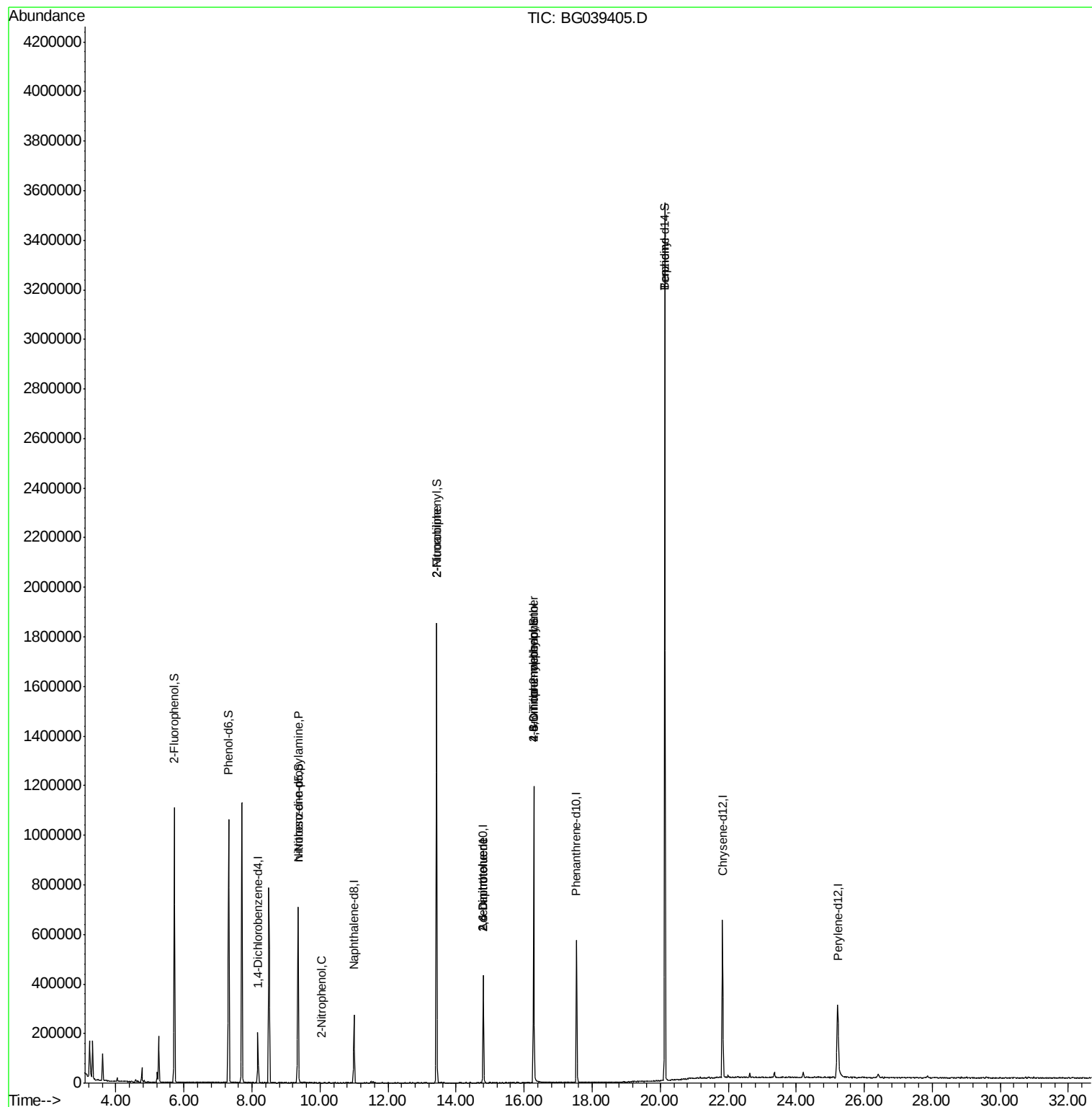
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1399	Below Cal	#	39
19) n-Nitroso-di-n-propylamine	9.36	70	55311	16.45	ng	66
26) 2-Nitrophenol	10.05	139	64	4.05	ng	31
48) 2-Nitroaniline	13.42	65	1803	8.84	ng	1
51) 2,6-Dinitrotoluene	14.80	165	20172	14.09	ng	22
57) 2,4-Dinitrotoluene	14.80	165	20172	13.53	ng	17
65) 4,6-Dinitro-2-methylphenol	16.28	198	608	4.71	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	16051	3.98	ng	1
77) Benzidine	20.14	184	29297	2.28	ng	94

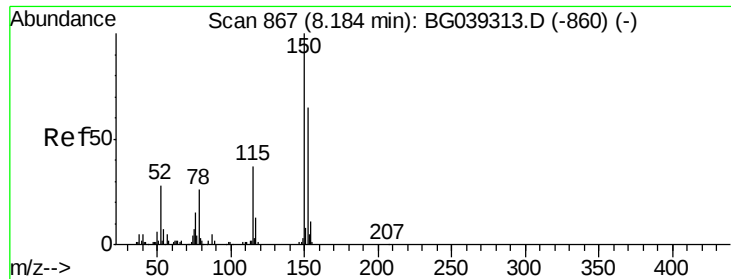
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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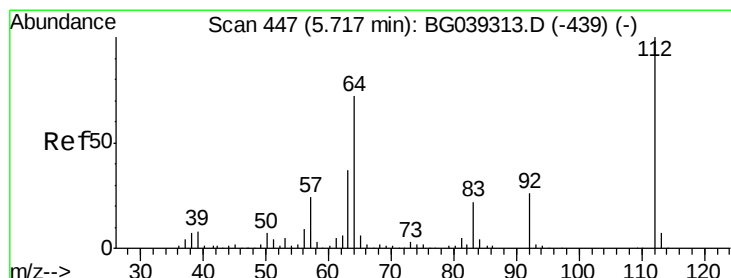
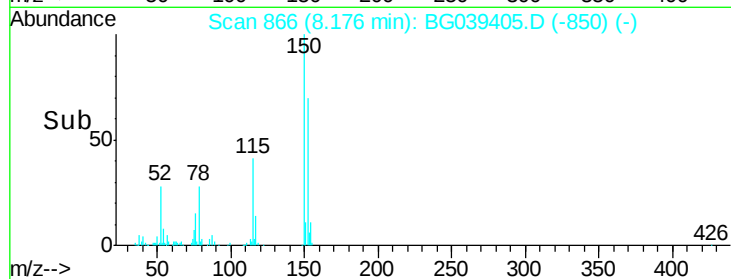
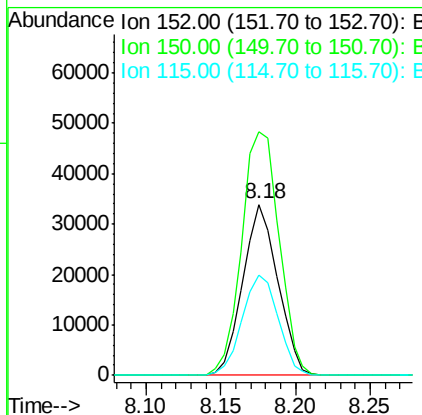
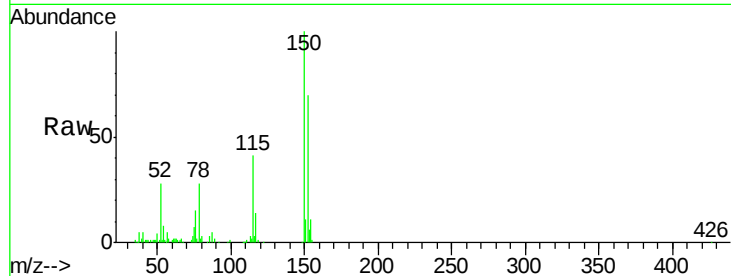


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Instrument :
BNA_G
ClientSampleId :
M-5-D

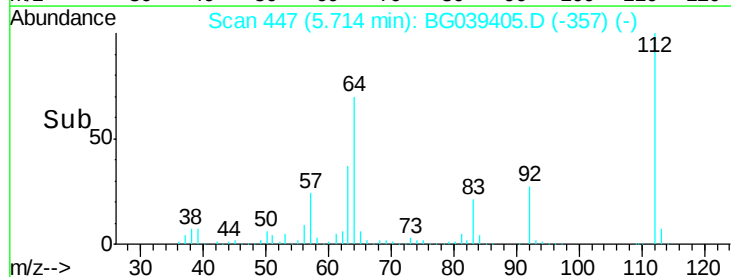
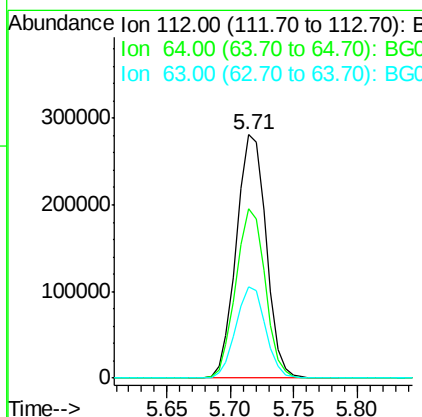
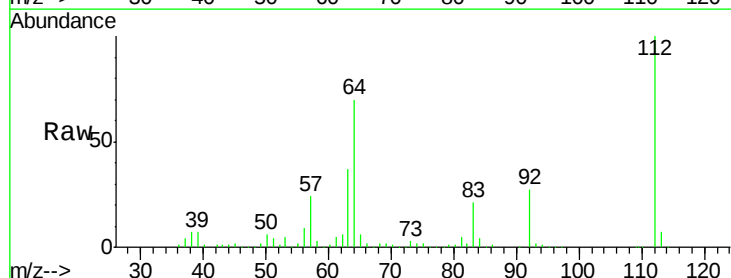
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	123.7	185.5
115	58.3	45.9	68.9

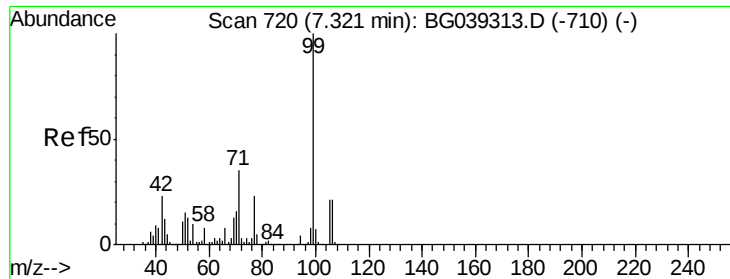


#5

2-Fluorophenol
Concen: 142.56 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	57.8	86.8
63	37.3	29.8	44.6





#7

Phenol-d6

Concen: 128.41 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA_G

ClientSampleId :

M-5-D

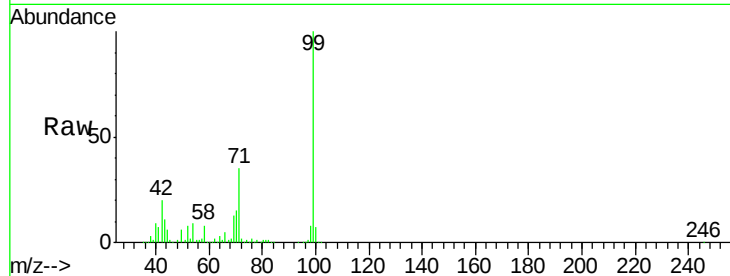
Tot Ion: 99 Resp: 608174

Ion Ratio Lower Upper

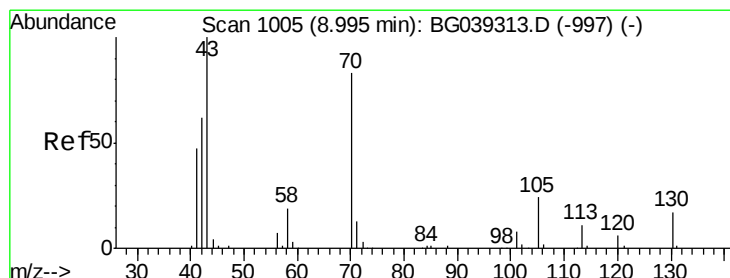
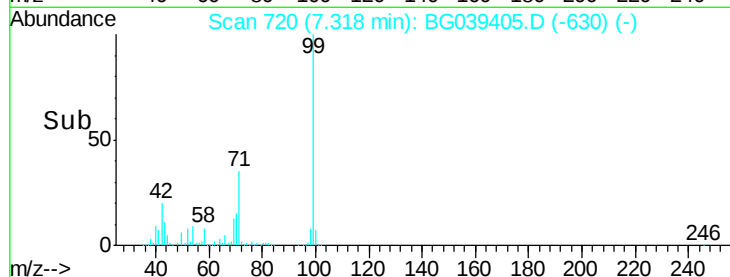
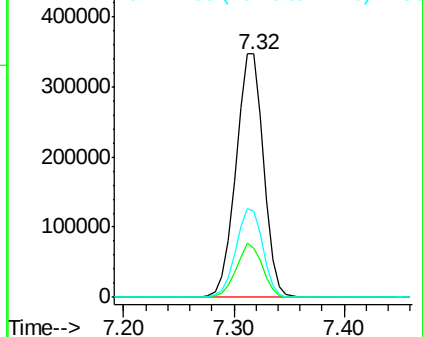
99 100

42 20.2 18.2 27.2

71 35.2 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: 16.45 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Tgt Ion: 70 Resp: 55311

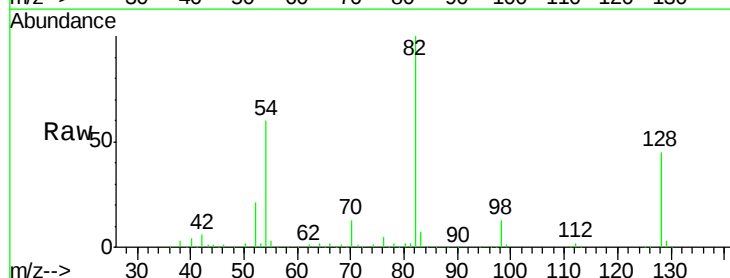
Ion Ratio Lower Upper

70 100

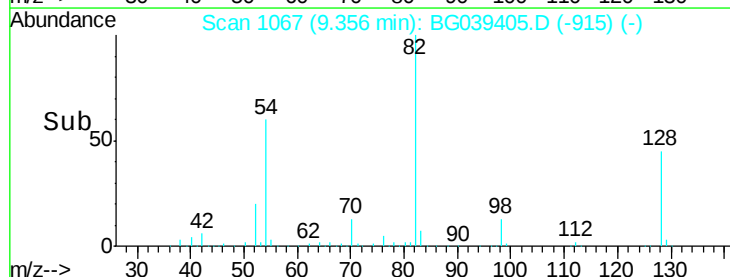
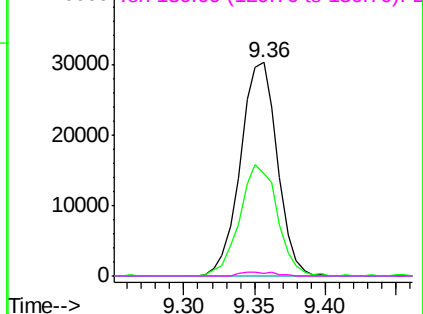
42 48.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 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

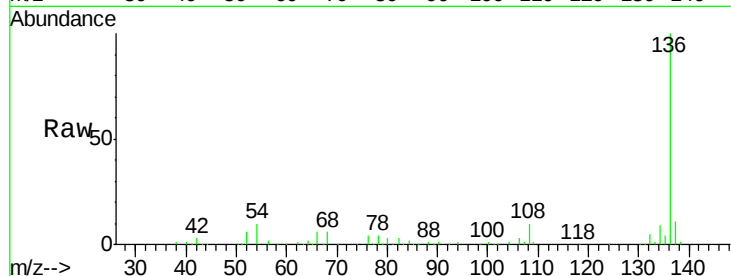




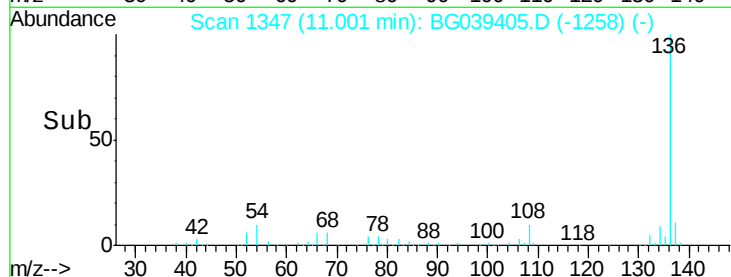
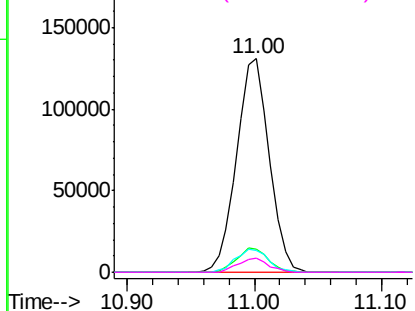
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Instrument :
BNA_G
ClientSampleId :
M-5-D

Tot Ion:136	Resp:	233287
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	10.2	9.4 14.2
68	6.3	4.2 6.4

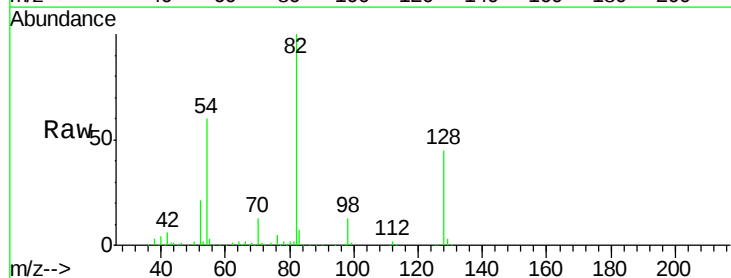


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

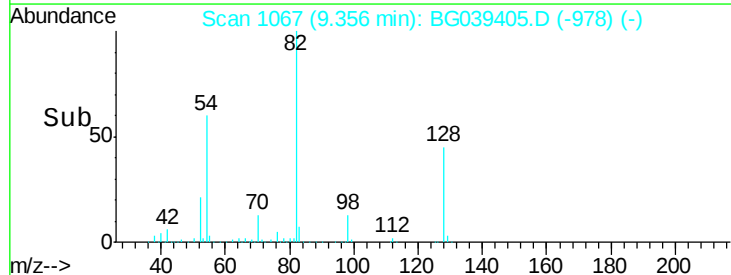
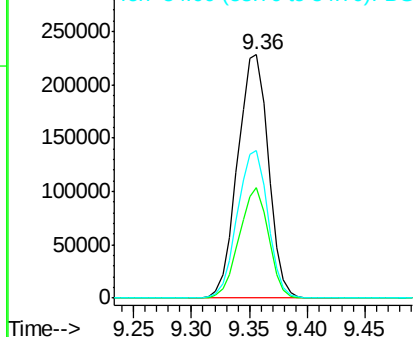


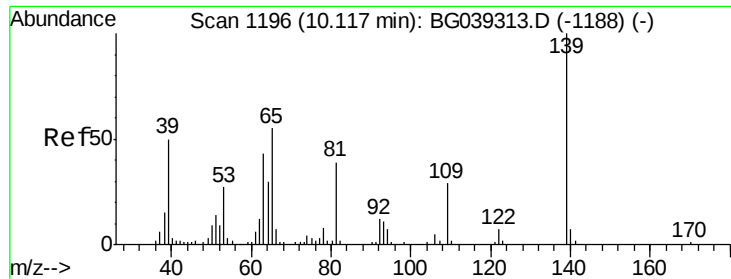
#23
Nitrobenzene-d5
Concen: 113.50 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion: 82	Resp:	423825
Ion Ratio	Lower	Upper
82	100	
128	45.1	31.3 46.9
54	60.5	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

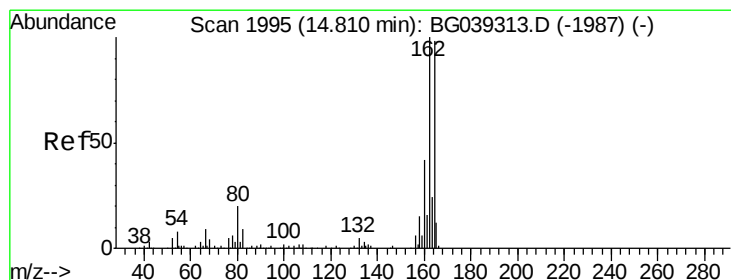
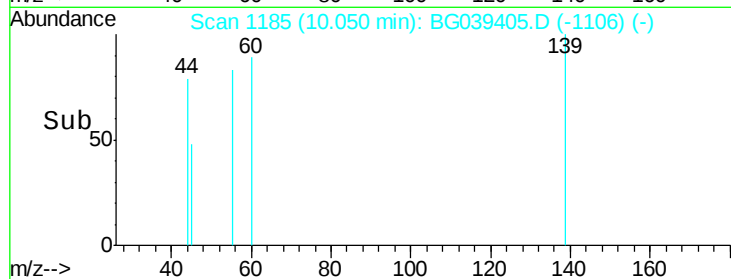
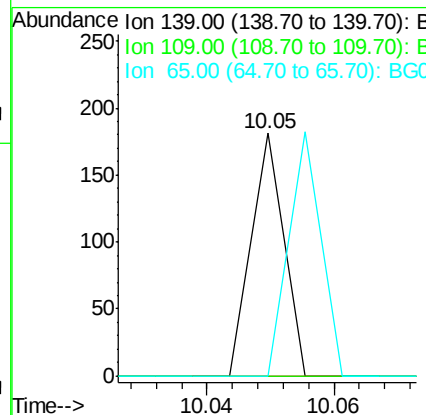
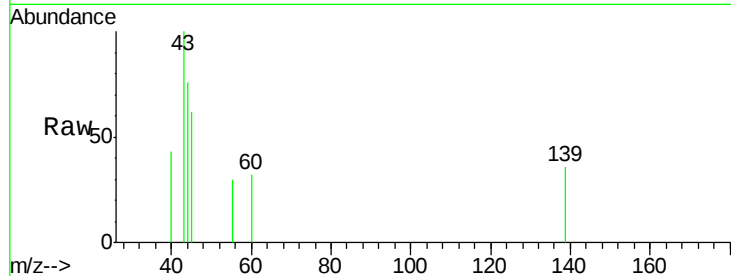




#26
2-Nitrophenol
Concen: 4.05 ng
RT: 10.05 min Scan# 1185
Delta R.T. -0.07 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

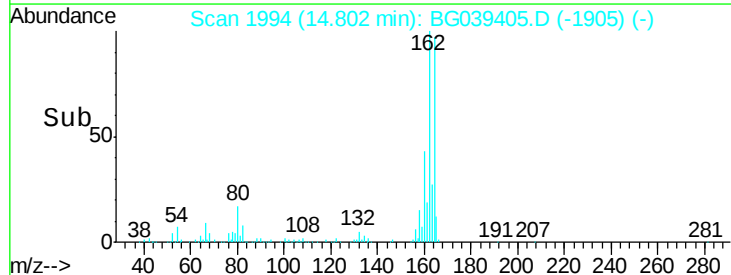
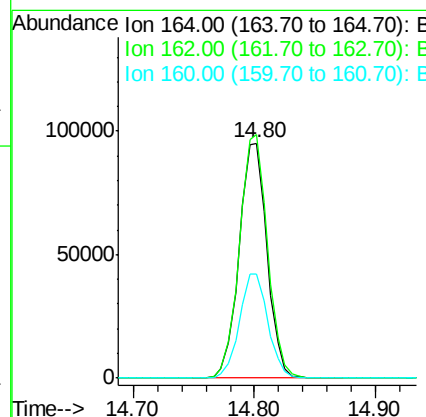
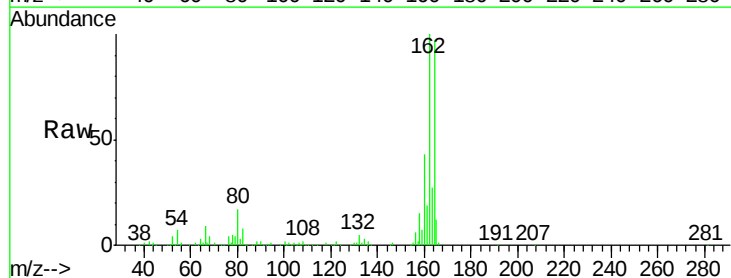
Instrument :
BNA_G
ClientSampleId :
M-5-D

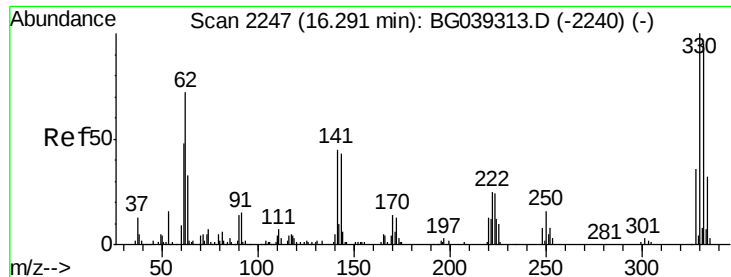
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.6	122.4
160	44.4	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 121.04 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA_G

ClientSampleId :

M-5-D

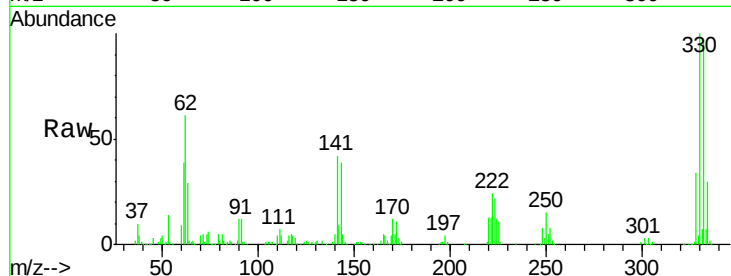
Tot Ion:330 Resp: 199598

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

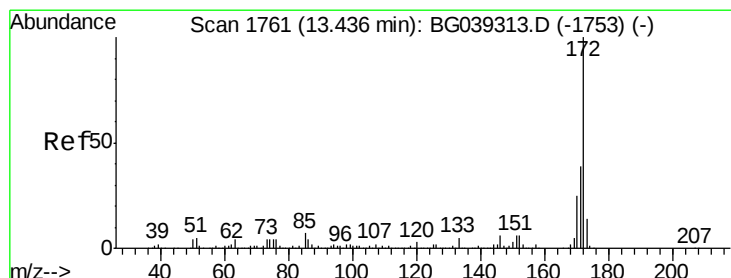
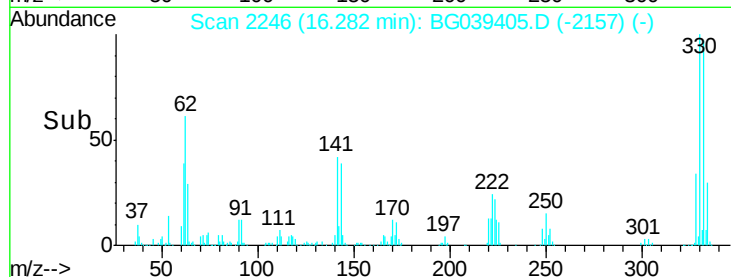
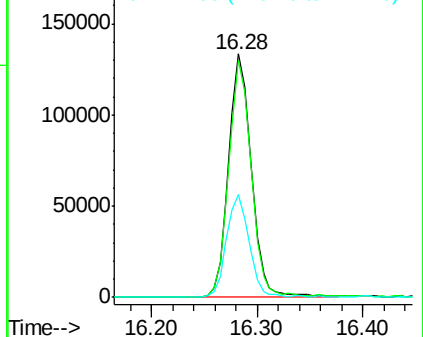
141 42.2 35.6 53.4



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: 92.44 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

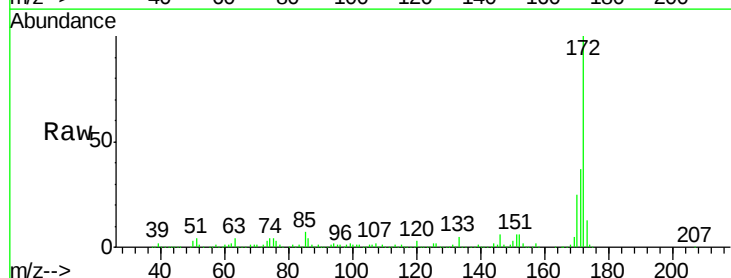
Tgt Ion:172 Resp: 986828

Ion Ratio Lower Upper

172 100

171 37.1 30.8 46.2

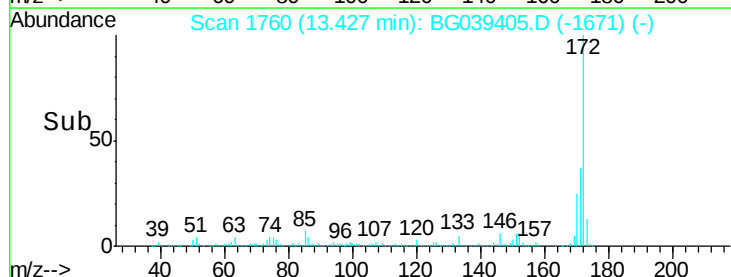
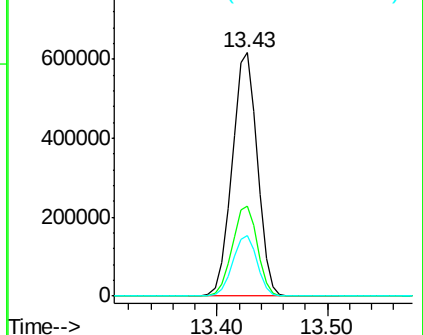
170 24.8 20.2 30.4

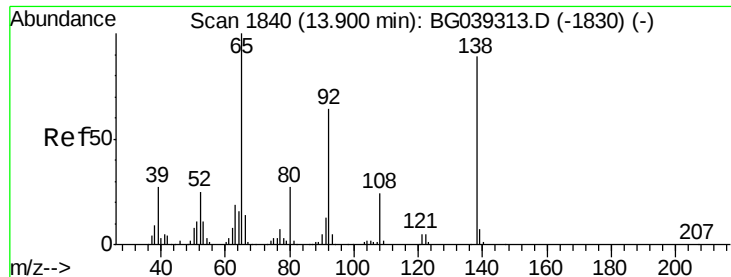


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

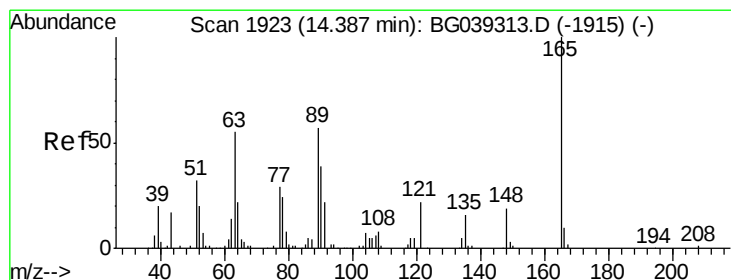
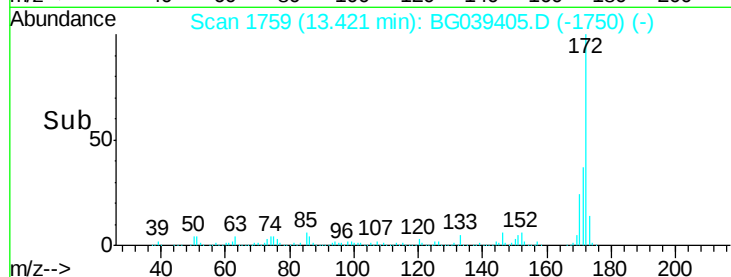
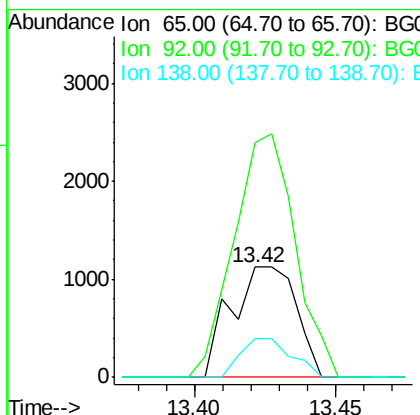
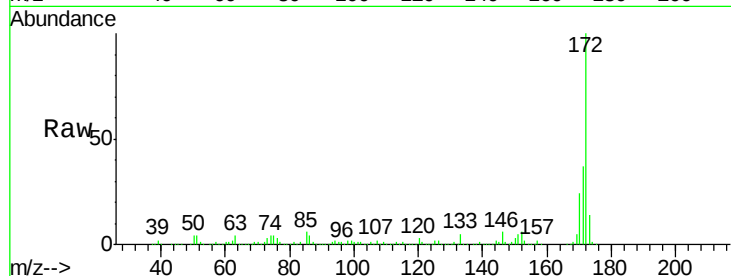




#48
2-Nitroaniline
Concen: 8.84 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

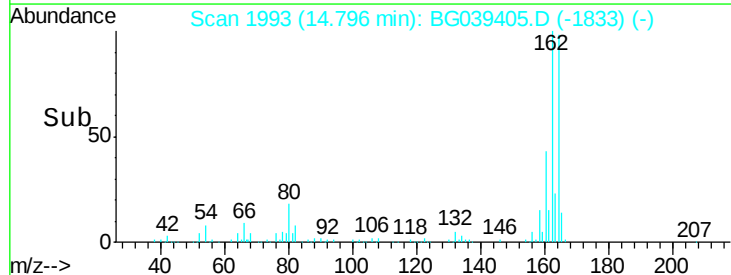
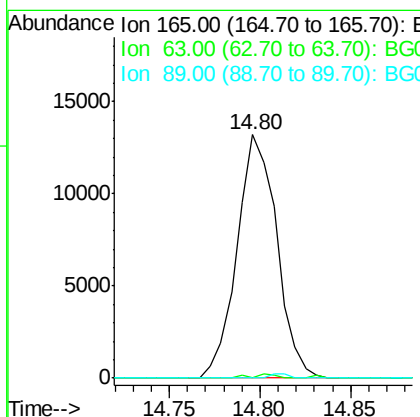
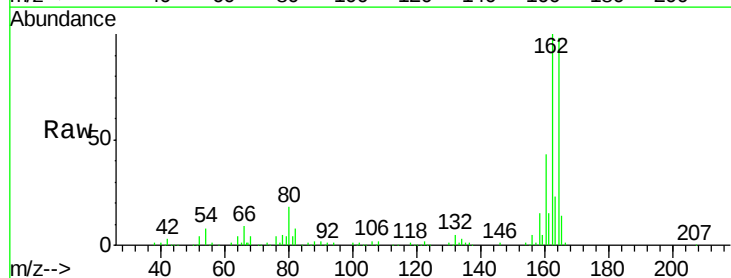
Instrument :
BNA_G
ClientSampleId :
M-5-D

Tot Ion: 65 Resp: 1803
Ion Ratio Lower Upper
65 100
92 213.1 51.4 77.2#
138 35.2 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 14.09 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion: 165 Resp: 20172
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 0.0 45.8 68.8#

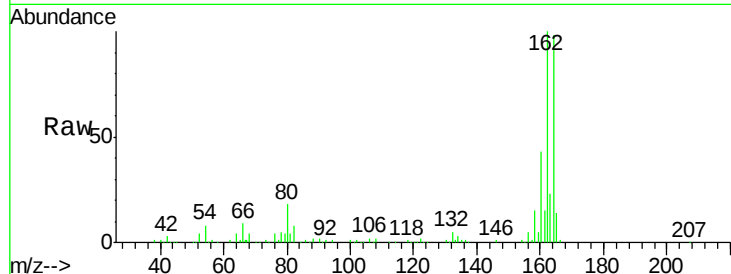




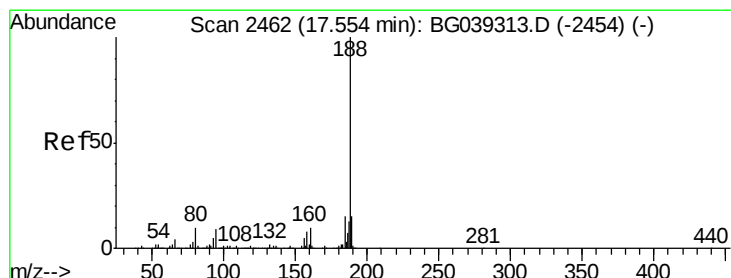
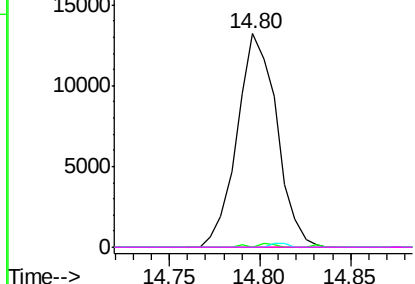
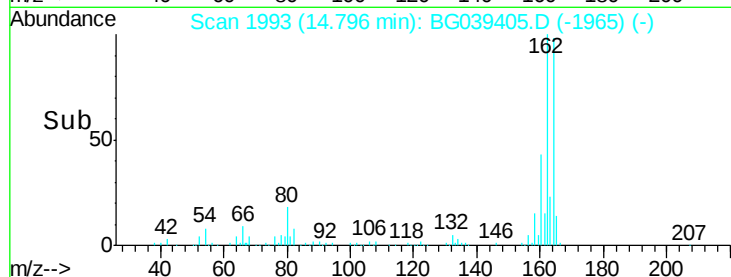
#57
2,4-Dinitrotoluene
Concen: 13.53 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Instrument :
BNA_G
ClientSampleId :
M-5-D

Tot Ion:165 Resp: 20172
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 64.6 96.8#
182 0.0 2.0 3.0#

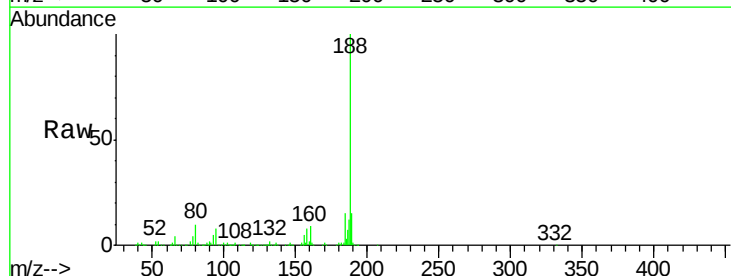


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

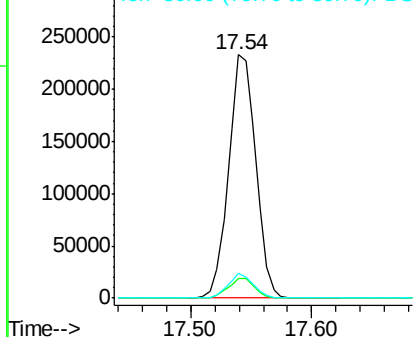
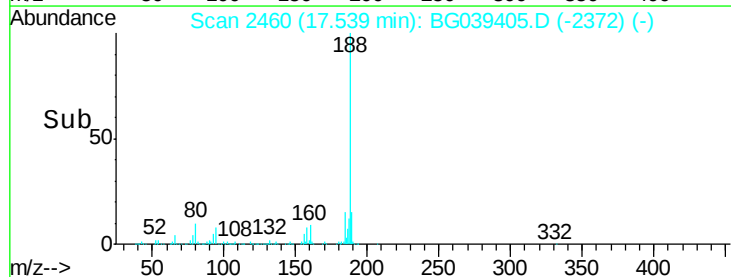


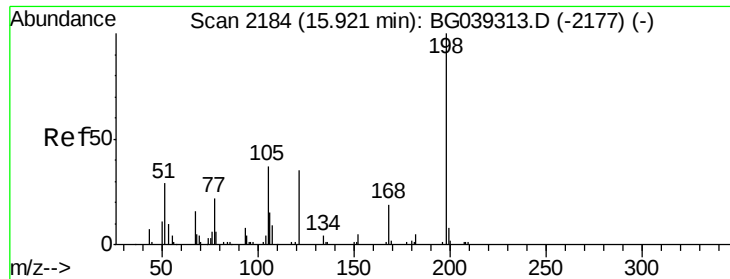
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion:188 Resp: 363217
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 10.0 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

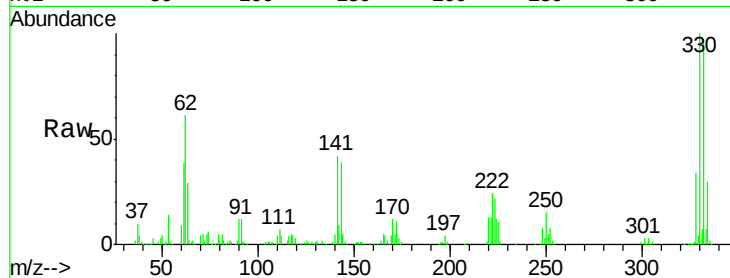




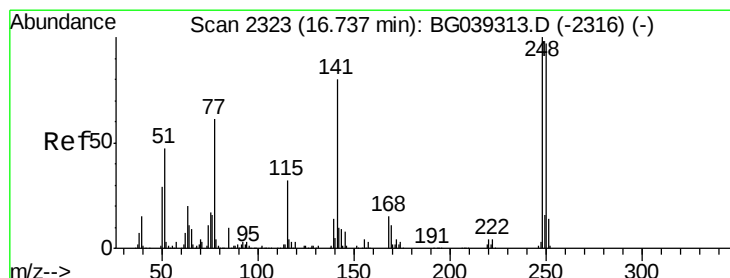
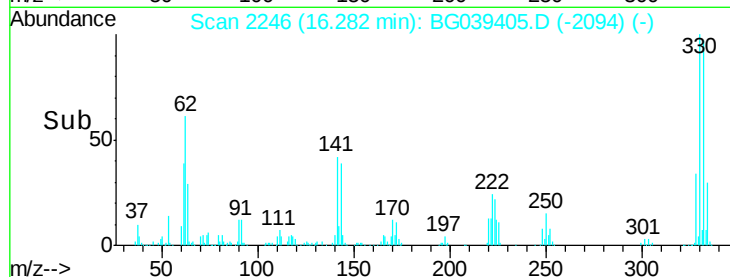
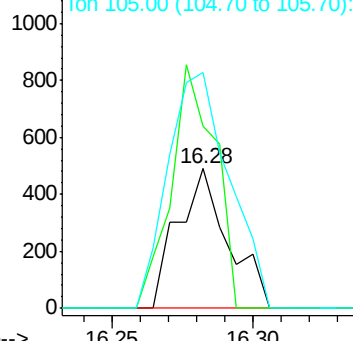
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.71 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039405.D
 Acq: 8 Feb 2019 6:47

Instrument :
 BNA_G
 ClientSampleId :
 M-5-D

Tot Ion:198 Resp: 608
 Ion Ratio Lower Upper
 198 100
 51 130.5 27.4 67.4#
 105 168.4 19.7 59.7#

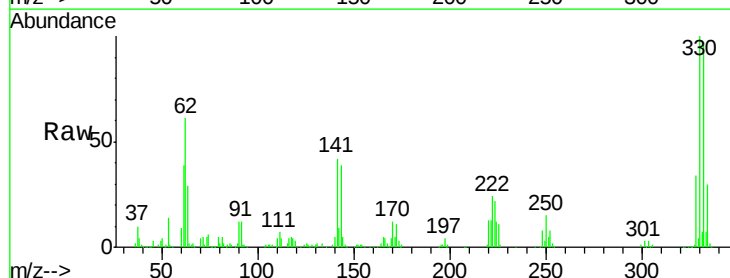


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

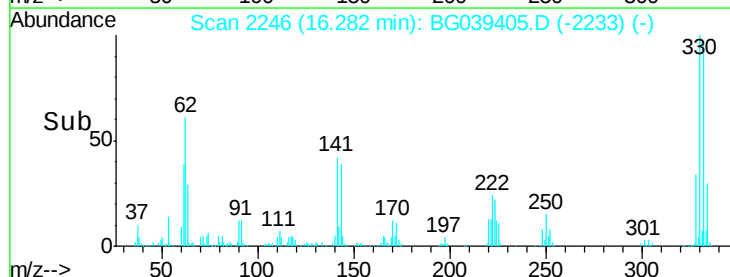
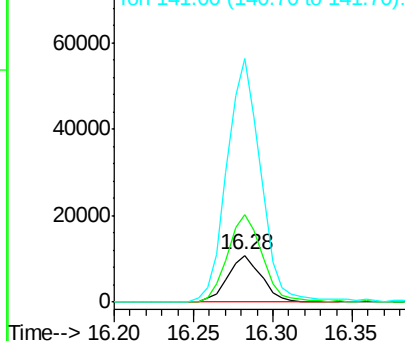


#67
 4-Bromophenyl-phenylether
 Concen: 3.98 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039405.D
 Acq: 8 Feb 2019 6:47

Tgt Ion:248 Resp: 16051
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.6 116.4#
 141 521.4 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

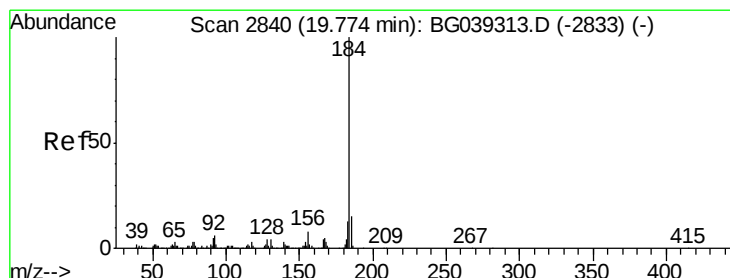
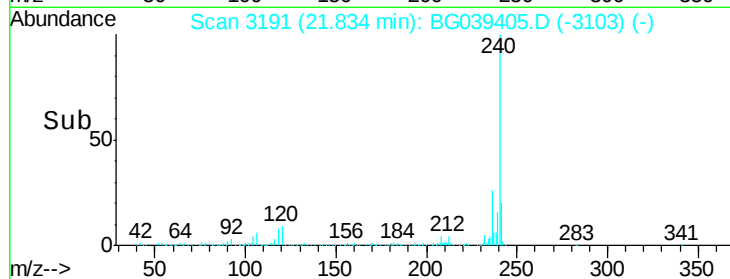
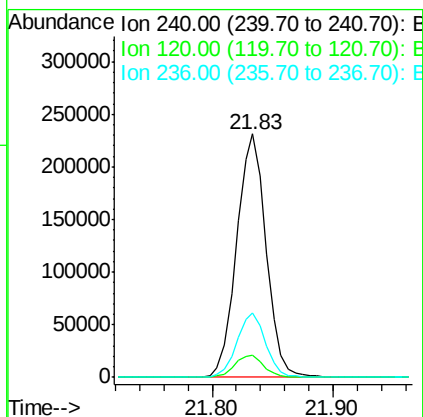
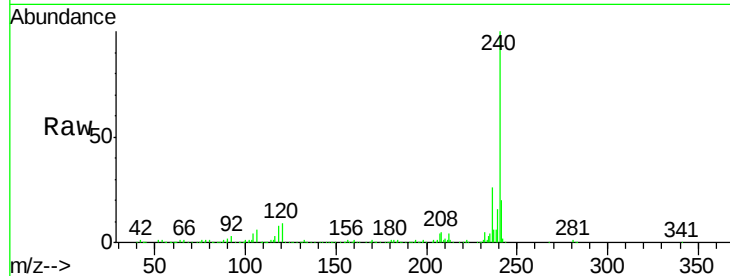




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

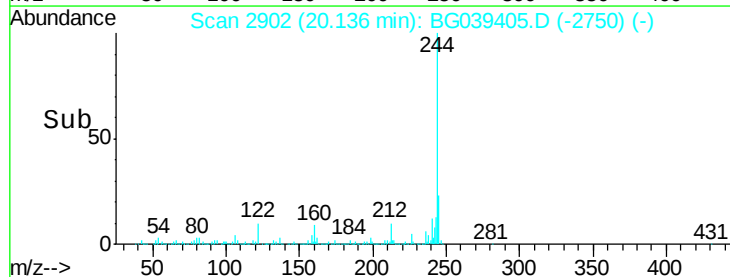
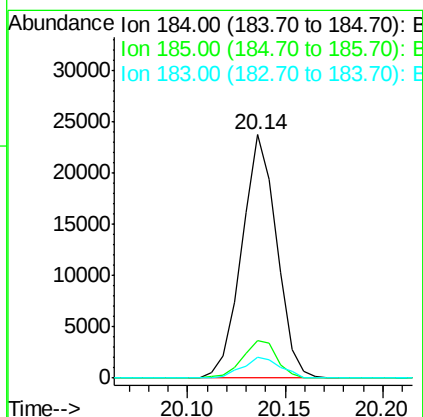
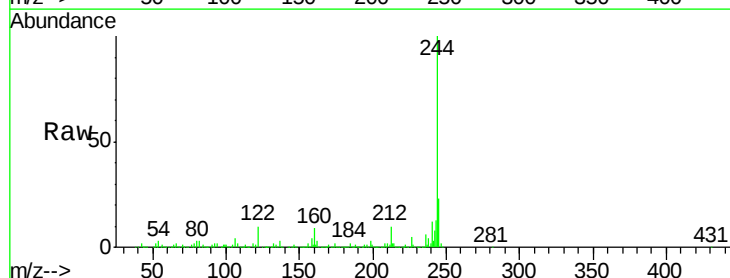
Instrument :
BNA_G
ClientSampleId :
M-5-D

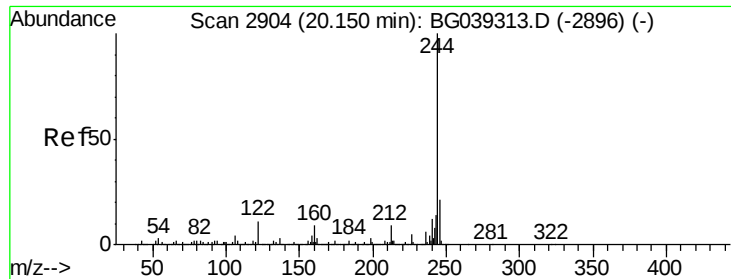
Tot Ion:240 Resp: 392243
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.28 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039405.D
Acq: 8 Feb 2019 6:47

Tgt Ion:184 Resp: 29297
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 8.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 87.37 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA_G

ClientSampleId :

M-5-D

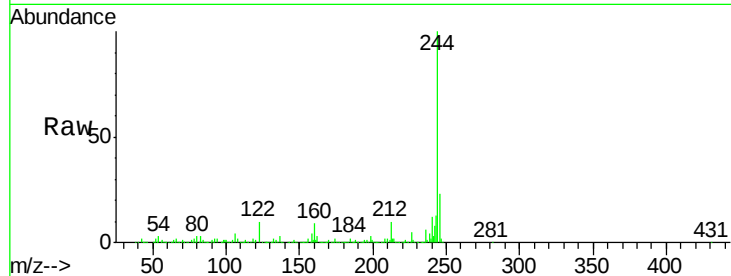
Tot Ion:244 Resp: 1619135

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

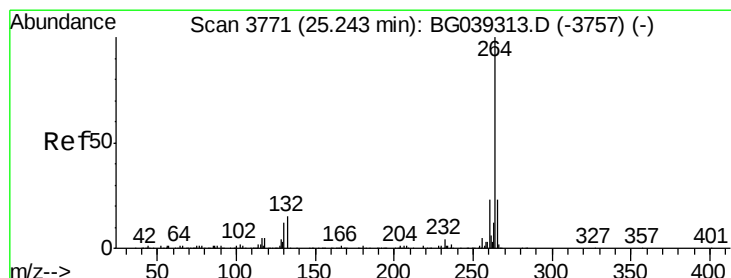
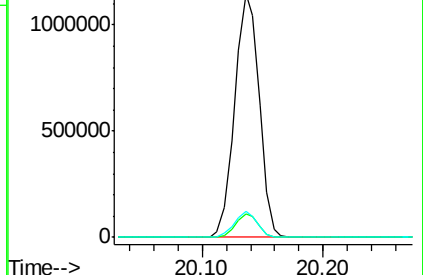
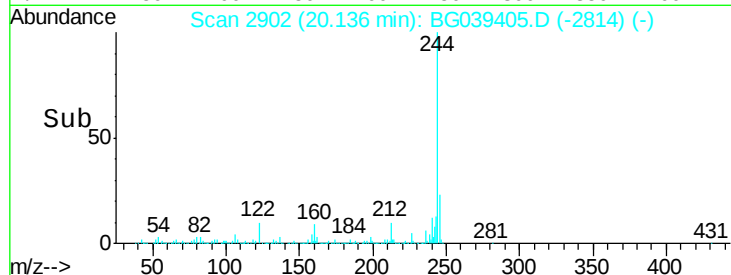
122 10.5 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

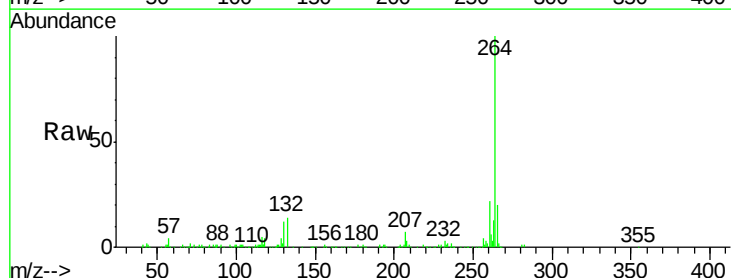
Tgt Ion:264 Resp: 374352

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

265 20.2 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

