

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020819\
 Data File : BG039422.D
 Acq On : 8 Feb 2019 19:15
 Operator : JU/SJ
 Sample : K1404-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A0C12-SS3-9.0-9.5

Quant Time: Feb 08 23:36:08 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	54659	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	242864	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	159299	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	384141	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	410947	20.00	ng	-0.02
87) Perylene-d12	25.21	264	423386	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	471296	147.57	ng	0.00
7) Phenol-d6	7.31	99	694546	147.75	ng	0.00
23) Nitrobenzene-d5	9.35	82	415259	106.82	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	260848	152.06	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	899284	80.98	ng	-0.01
79) Terphenyl-d14	20.13	244	1336680	68.85	ng	-0.02

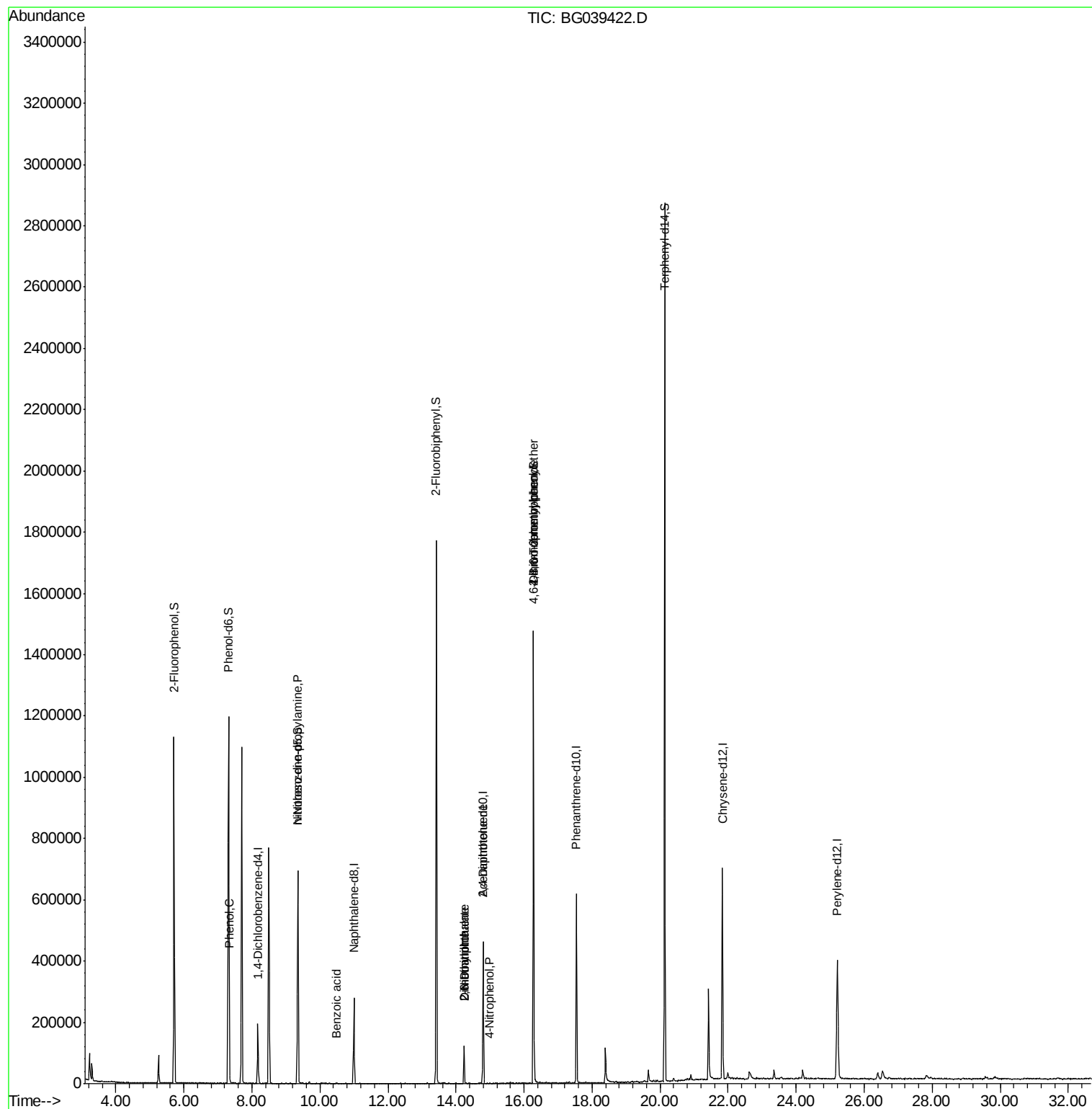
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1382	Below Cal		# 4
10) Phenol	7.34	94	17032	3.476	ng	# 84
19) n-Nitroso-di-n-propylamine	9.35	70	53300	15.975	ng	# 71
32) Benzoic acid	10.48	122	60	9.042	ng	# 1
48) 2-Nitroaniline	14.24	65	784	8.523	ng	# 1
50) Dimethylphthalate	14.24	163	83996	6.529	ng	# 99
51) 2,6-Dinitrotoluene	14.23	165	823	6.855	ng	# 47
56) 4-Nitrophenol	15.00	139	57	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	19785	13.202	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.29	198	988	5.000	ng	# 28
67) 4-Bromophenyl-phenylether	16.28	248	20967	4.920	ng	# 1

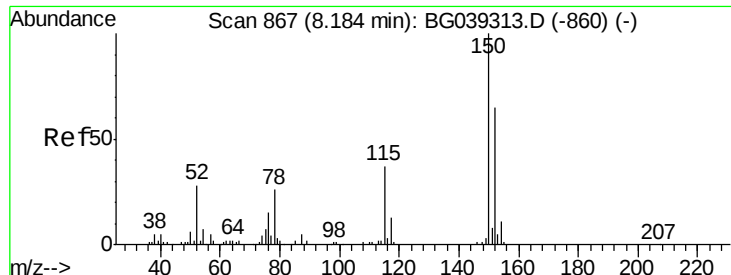
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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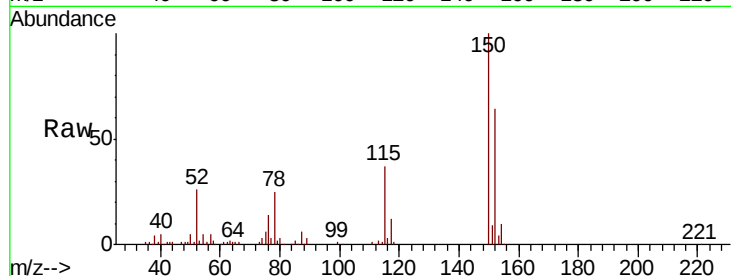


#1

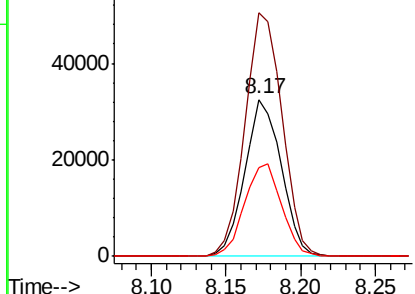
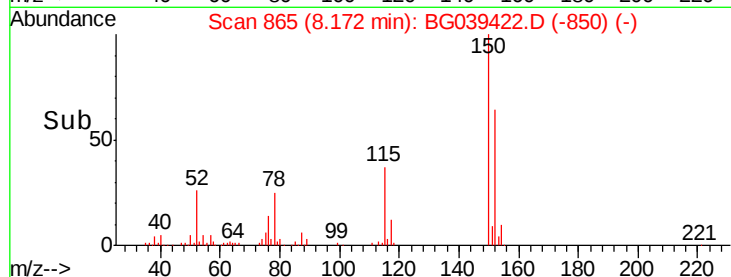
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

Instrument :
BNA_G
ClientSampleId :
A0C12-SS3-9.0-9.5

Tgt Ion:152 Resp: 54659
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 57.0 45.9 68.9



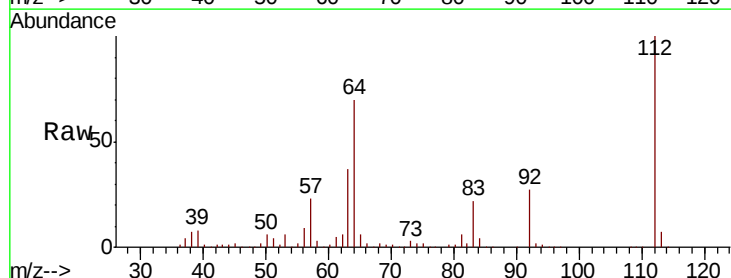
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



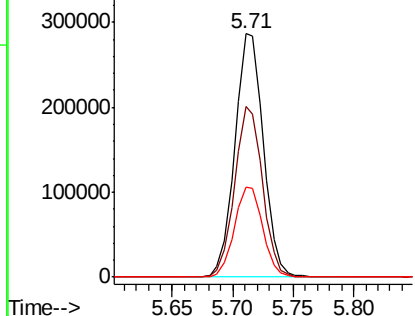
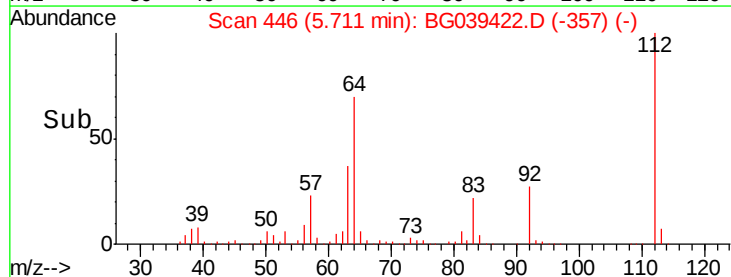
#5

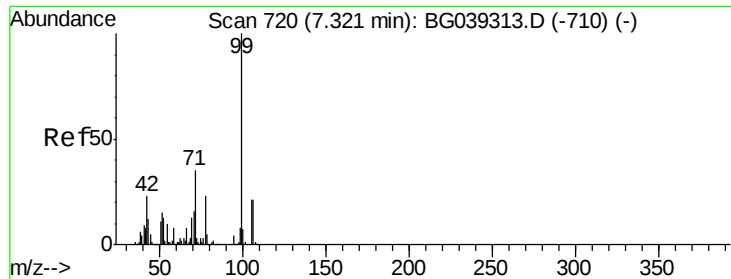
2-Fluorophenol
Concen: 147.574 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

Tgt Ion:112 Resp: 471296
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 36.8 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: 147.747 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

Instrument :

BNA_G

ClientSampleId :

A0C12-SS3-9.0-9.5

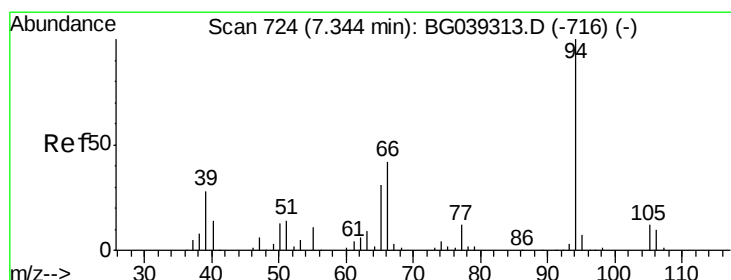
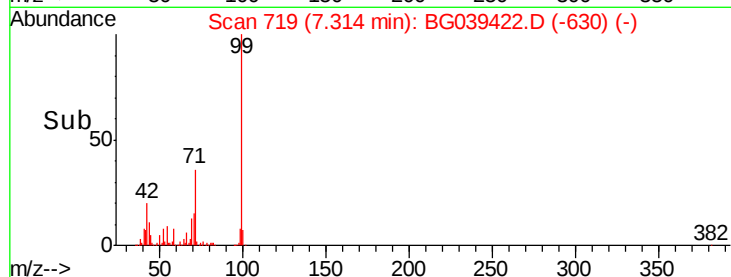
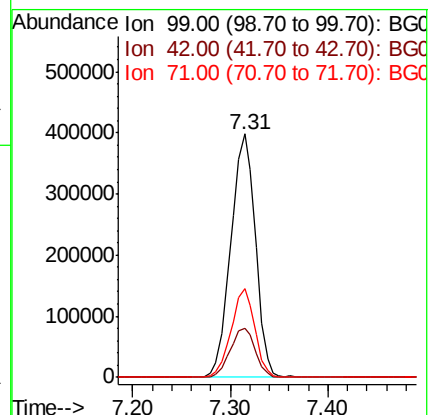
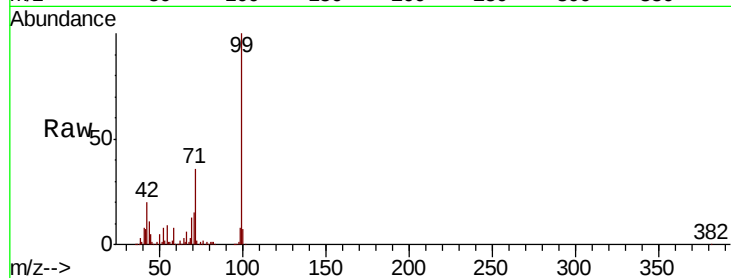
Tgt Ion: 99 Resp: 694546

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

71 36.5 28.0 42.0



#10

Phenol

Concen: 3.476 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

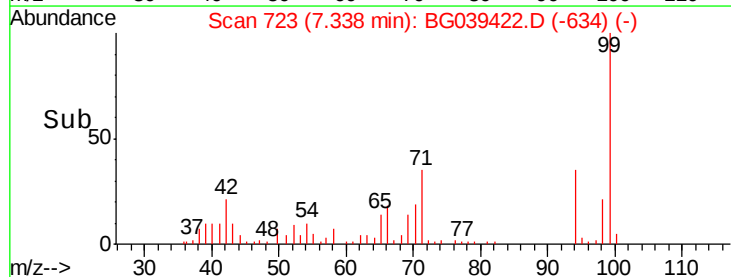
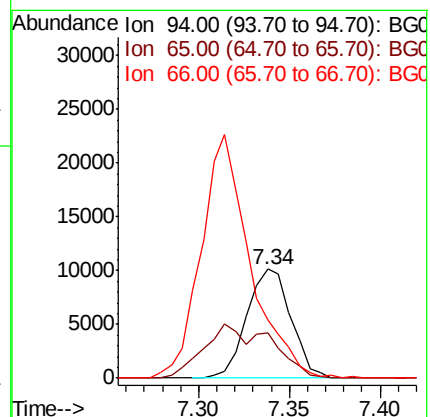
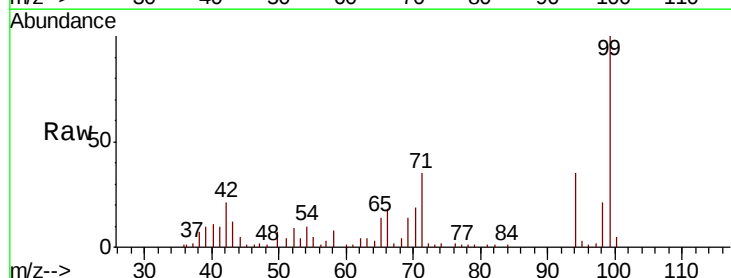
Tgt Ion: 94 Resp: 17032

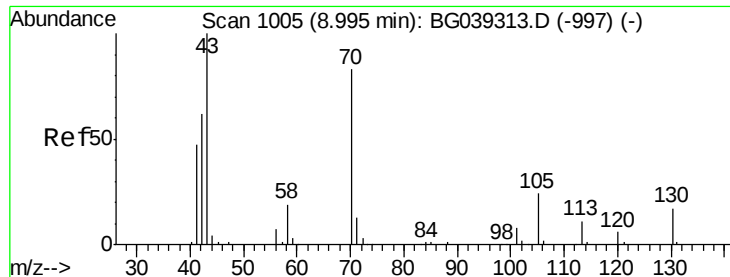
Ion Ratio Lower Upper

94 100

65 41.3 11.7 51.7

66 53.1 23.7 63.7

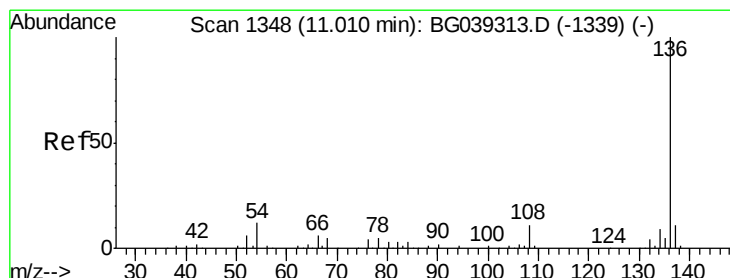
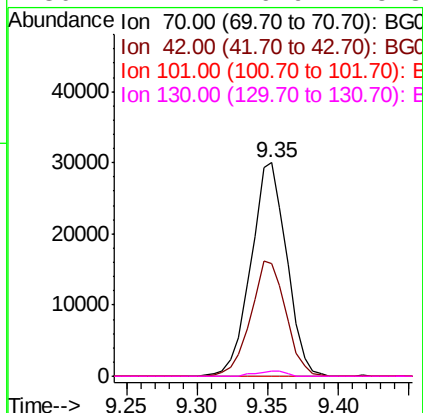
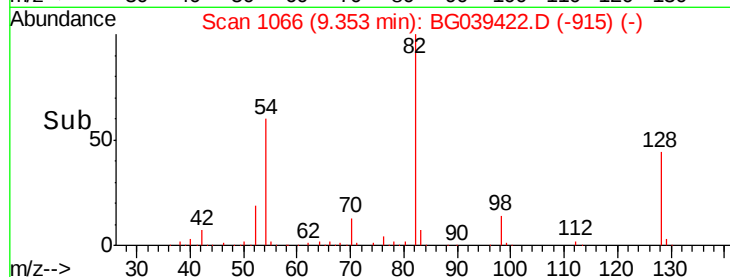
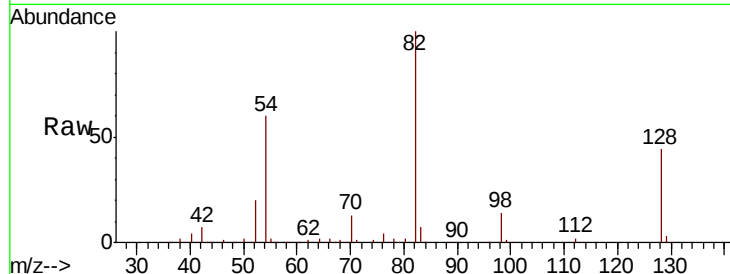




#19
n-Nitroso-di-n-propylamine
Concen: 15.975 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.36 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

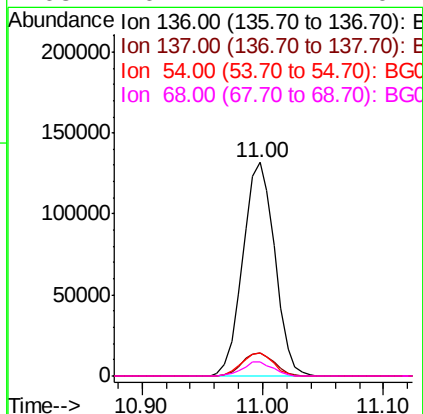
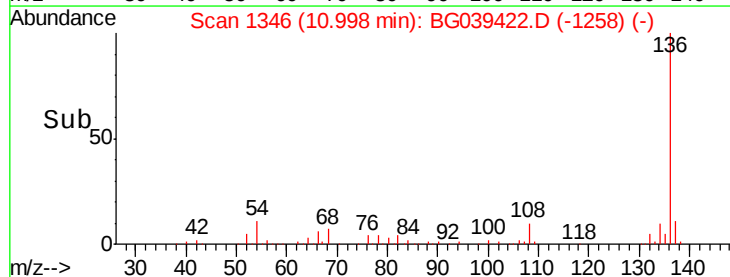
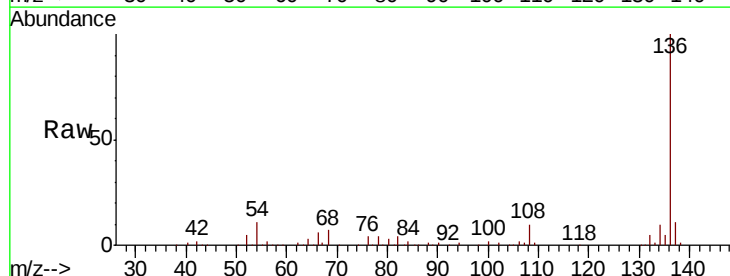
Instrument :
BNA_G
ClientSampleId :
A0C12-SS3-9.0-9.5

Tgt Ion: 70 Resp: 53300
Ion Ratio Lower Upper
70 100
42 52.9 60.4 90.6#
101 0.0 7.5 11.3#
130 2.7 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

Tgt Ion: 136 Resp: 242864
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 10.7 9.4 14.2
68 6.7 4.2 6.4#

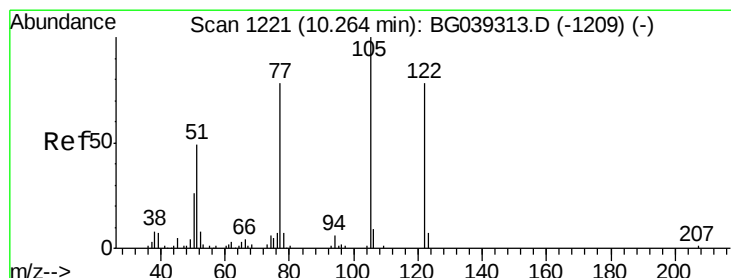
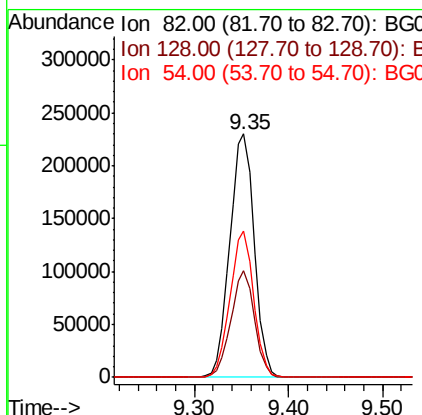
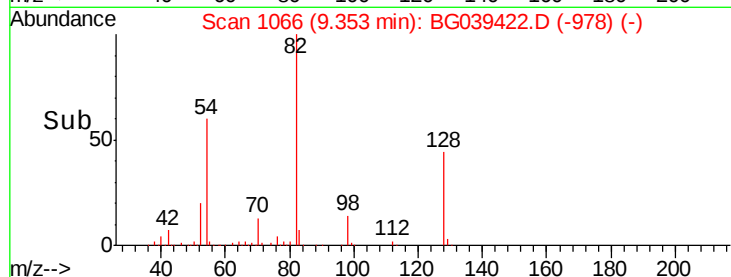
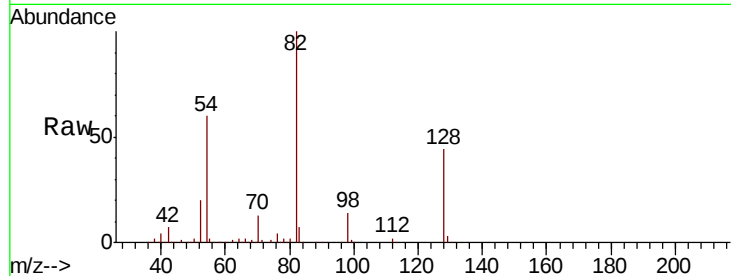




#23
 Nitrobenzene-d5
 Concen: 106.817 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

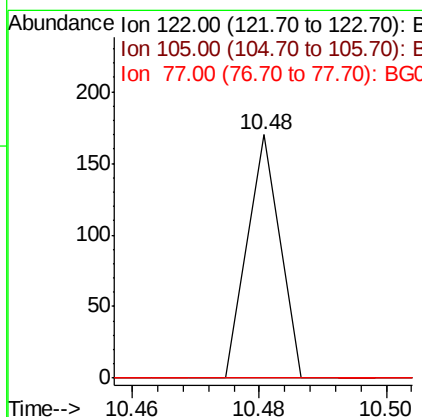
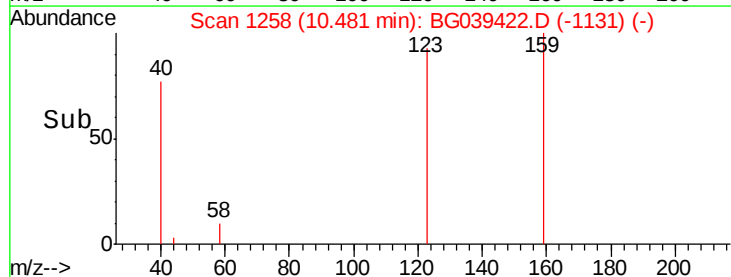
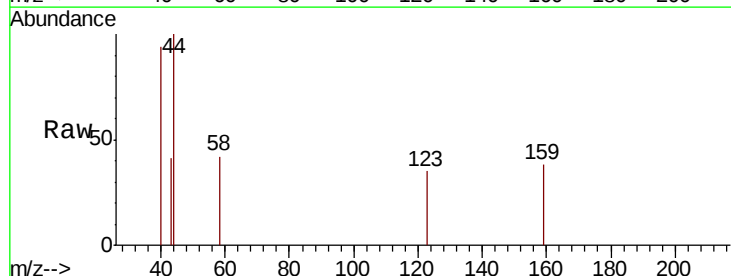
Instrument :
 BNA_G
 ClientSampleId :
 A0C12-SS3-9.0-9.5

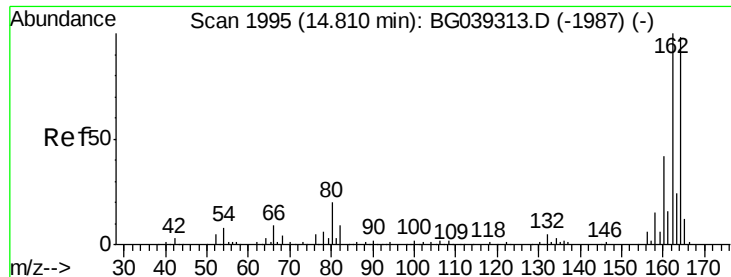
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	59.9	50.9	76.3



#32
 Benzoic acid
 Concen: 9.042 ng
 RT: 10.48 min Scan# 1258
 Delta R.T. 0.22 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

Tgt 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. -0.01 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

Instrument :

BNA_G

ClientSampleId :

A0C12-SS3-9.0-9.5

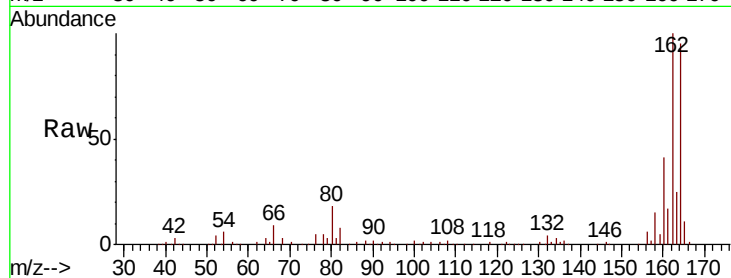
Tgt Ion:164 Resp: 159299

Ion Ratio Lower Upper

164 100

162 105.7 81.6 122.4

160 43.8 34.2 51.2

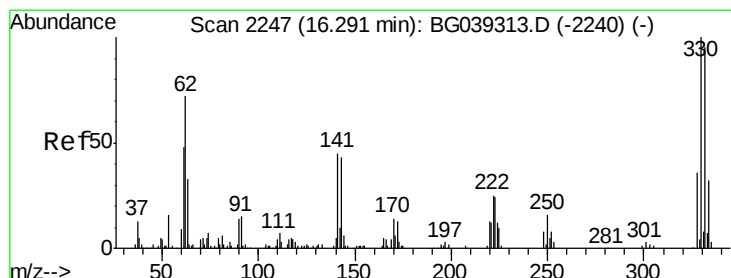
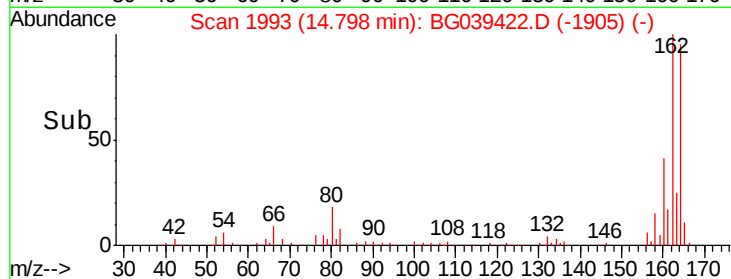
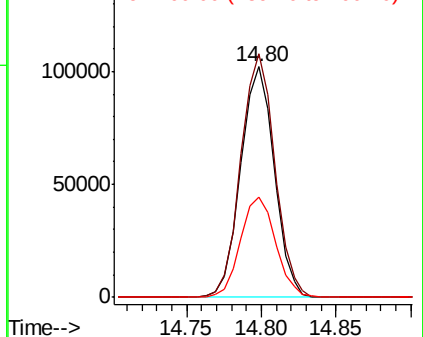


Abundance

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: 152.064 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

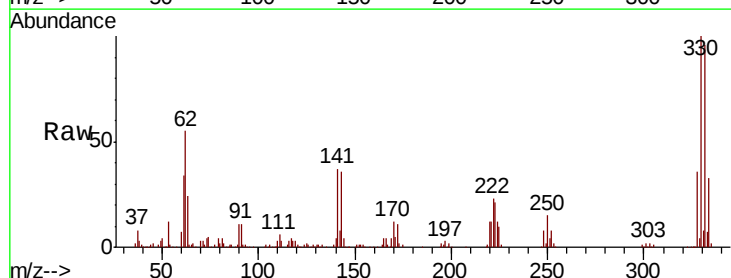
Tgt Ion:330 Resp: 260848

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

141 40.7 35.6 53.4

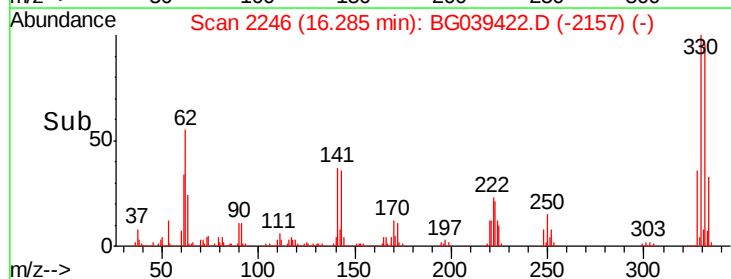
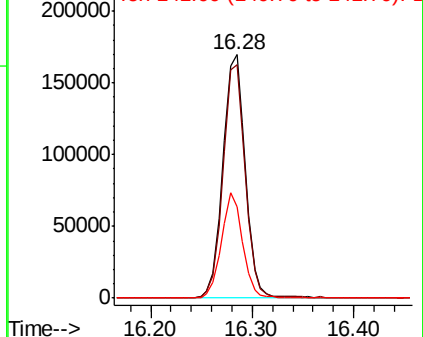


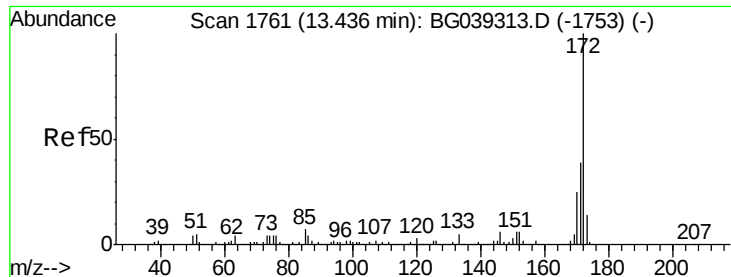
Abundance

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

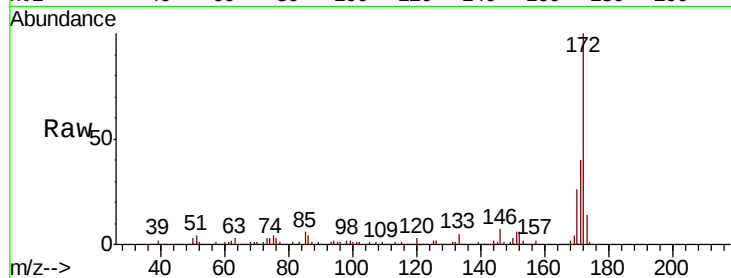




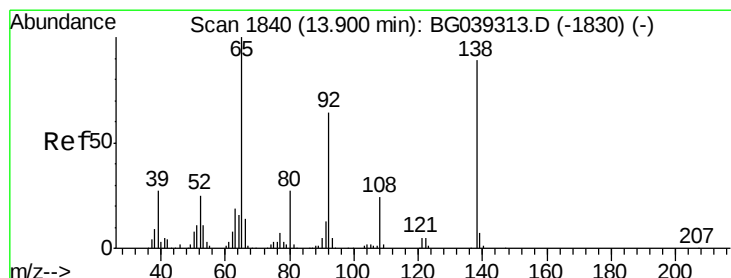
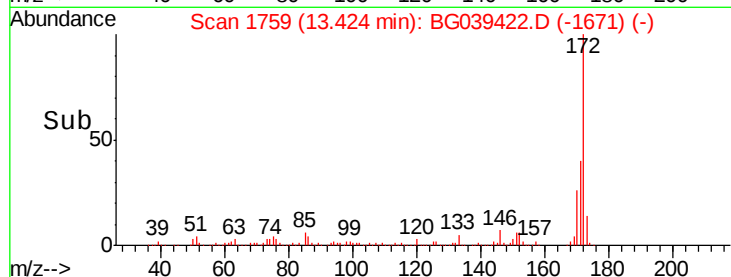
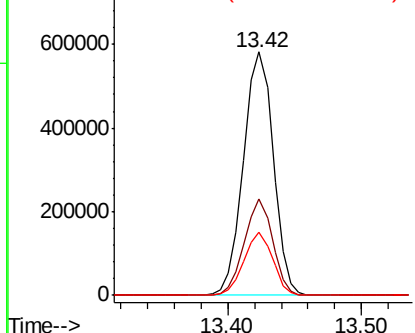
#45
 2-Fluorobiphenyl
 Concen: 80.984 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

Instrument :
 BNA_G
 ClientSampleId :
 A0C12-SS3-9.0-9.5

Tgt Ion: 172 Resp: 899284
 Ion Ratio Lower Upper
 172 100
 171 39.8 30.8 46.2
 170 25.9 20.2 30.4

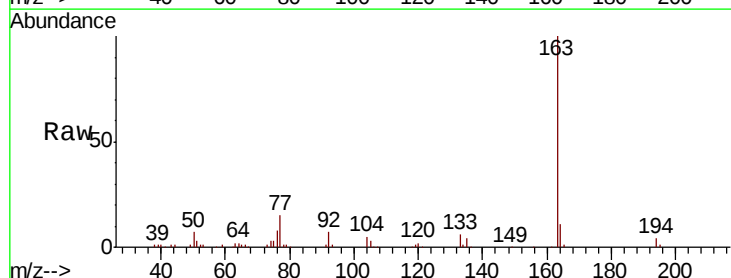


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

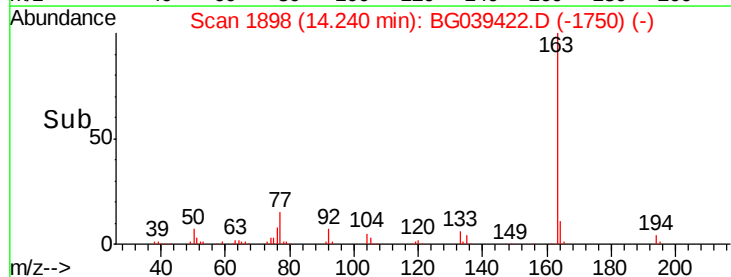
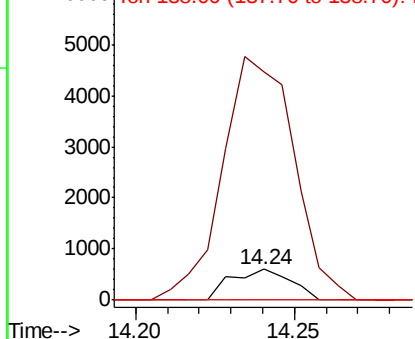


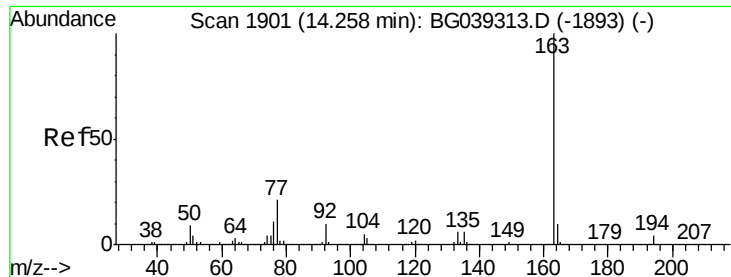
#48
 2-Nitroaniline
 Concen: 8.523 ng
 RT: 14.24 min Scan# 1898
 Delta R.T. 0.34 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

Tgt Ion: 65 Resp: 784
 Ion Ratio Lower Upper
 65 100
 92 746.2 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): E





#50

Dimethylphthalate

Concen: 6.529 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

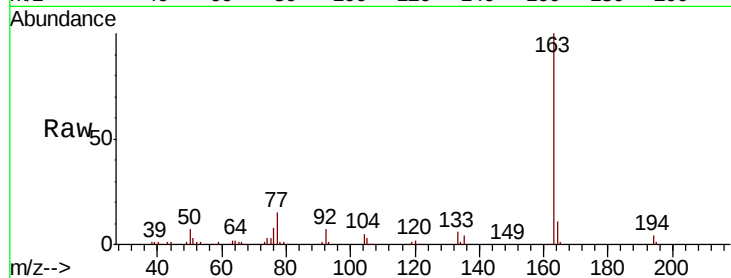
Instrument :

BNA_G

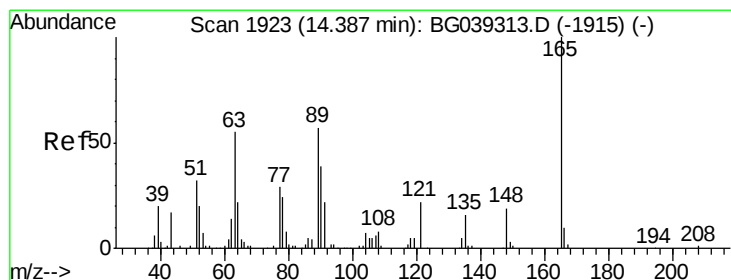
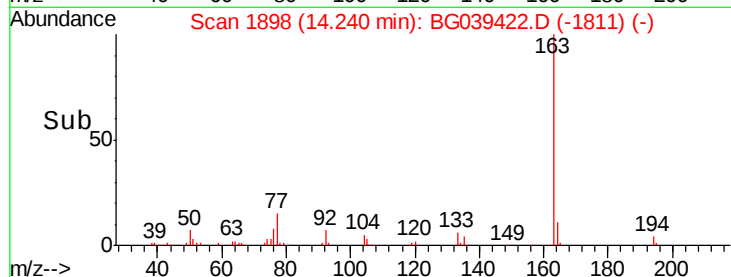
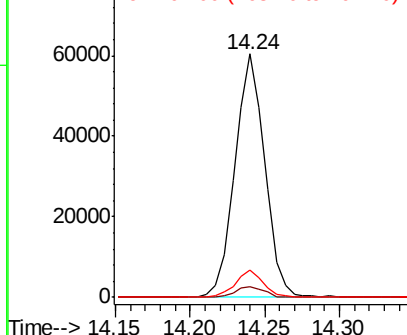
ClientSampleId :

A0C12-SS3-9.0-9.5

Tgt Ion:	163	Resp:	83996
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	11.0	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.855 ng

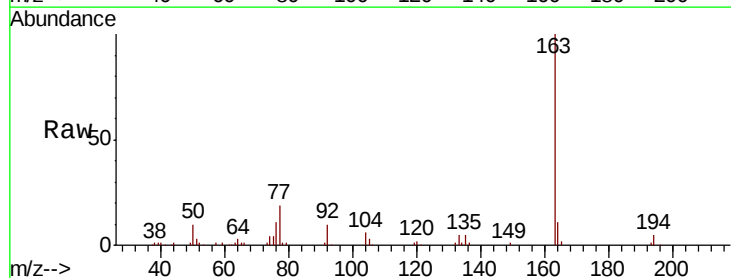
RT: 14.23 min Scan# 1897

Delta R.T. -0.15 min

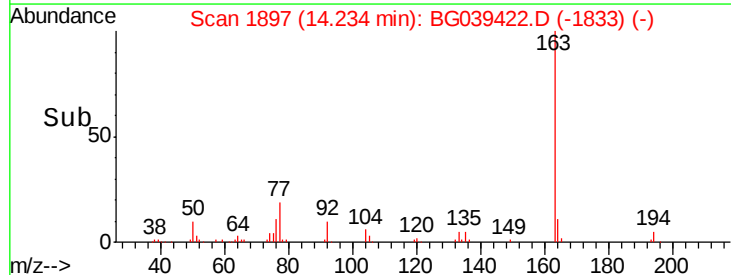
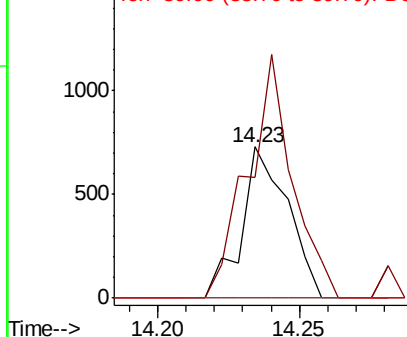
Lab File: BG039422.D

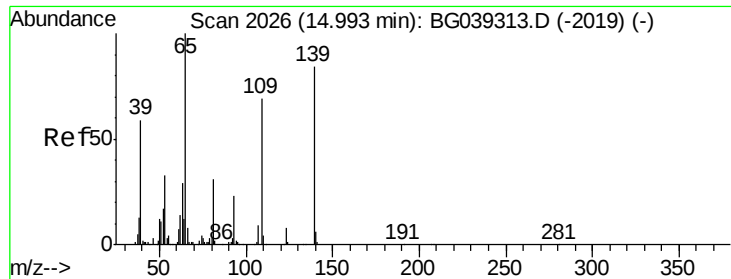
Acq: 8 Feb 2019 19:15

Tgt Ion:	165	Resp:	823
Ion Ratio	Lower	Upper	
165	100		
63	80.2	47.0	70.6#
89	0.0	45.8	68.8#



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

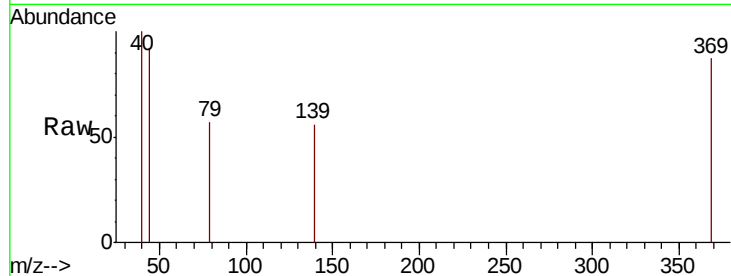




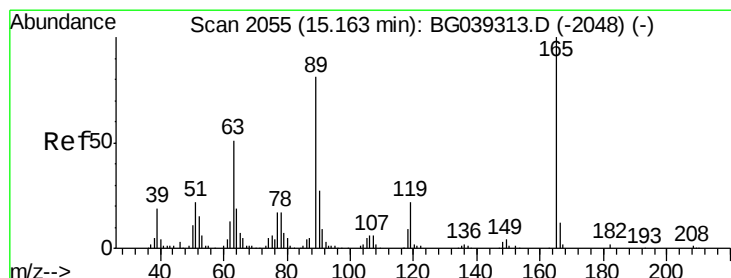
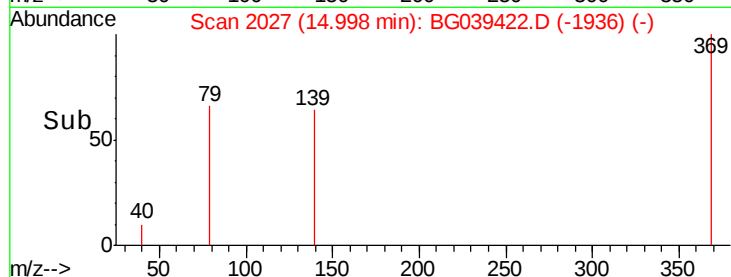
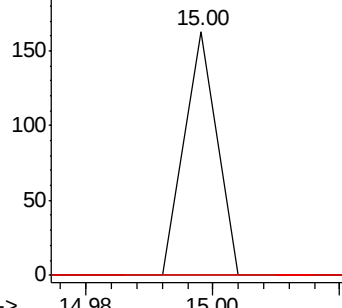
#56
4-Nitrophenol
Concen: 5.817 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

Instrument :
BNA_G
ClientSampleId :
A0C12-SS3-9.0-9.5

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#

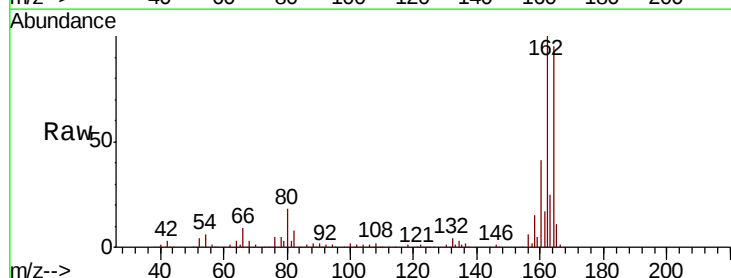


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

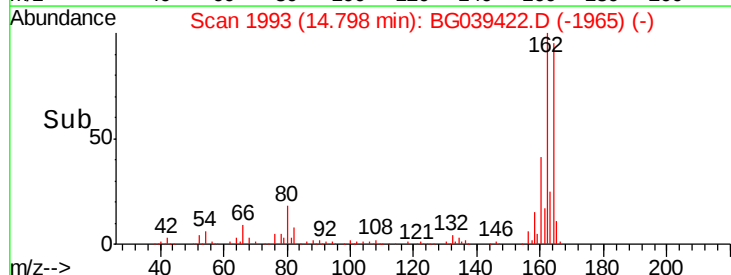
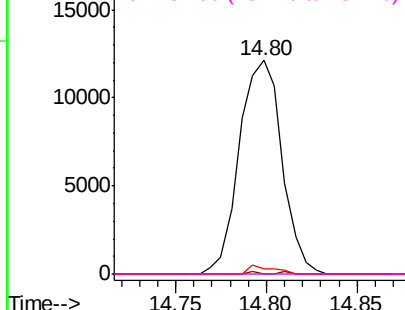


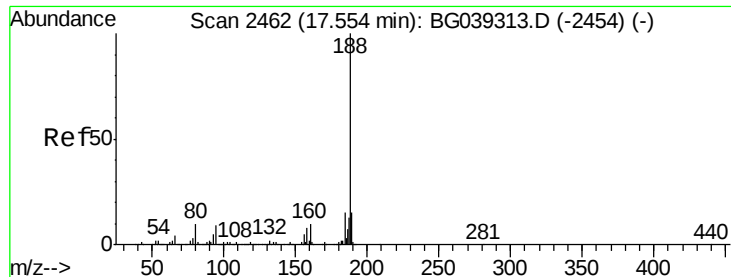
#57
2,4-Dinitrotoluene
Concen: 13.202 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039422.D
Acq: 8 Feb 2019 19:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.6	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. -0.01 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

Instrument :

BNA_G

ClientSampleId :

A0C12-SS3-9.0-9.5

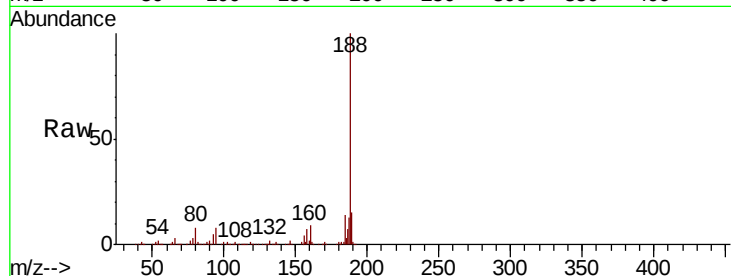
Tgt Ion:188 Resp: 384141

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

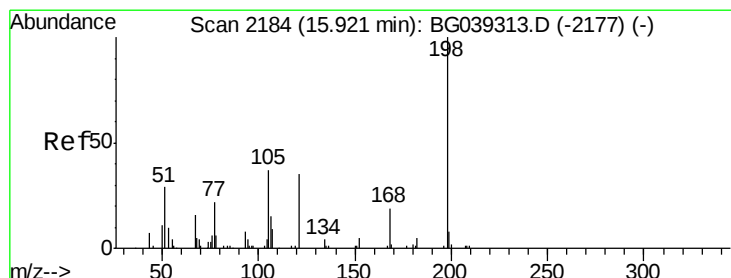
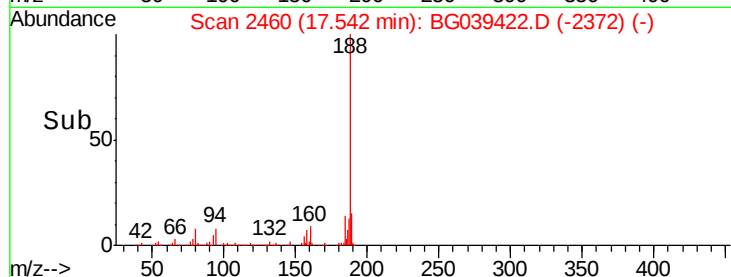
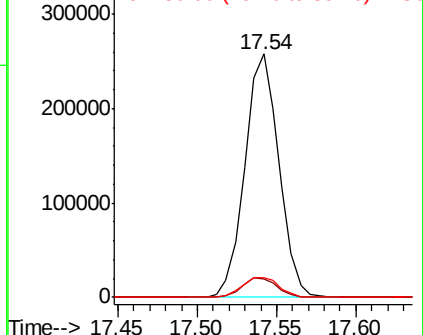
80 8.0 8.1 12.1#



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: 5.000 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

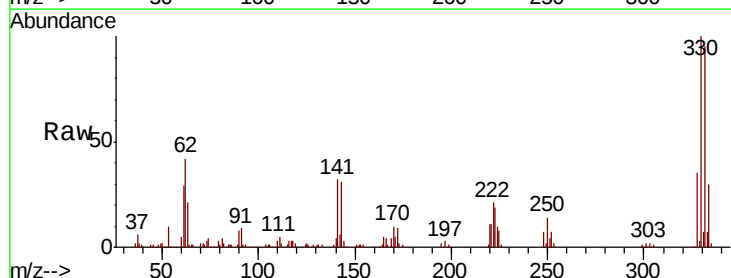
Tgt Ion:198 Resp: 988

Ion Ratio Lower Upper

198 100

51 67.0 27.4 67.4

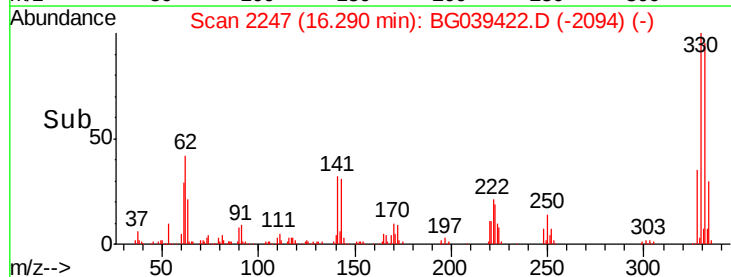
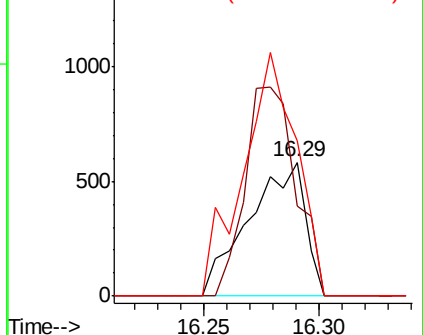
105 115.9 19.7 59.7#

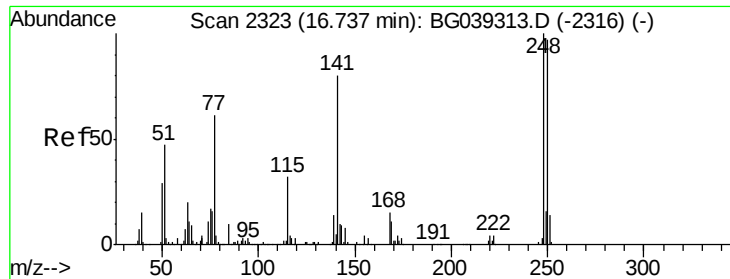


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

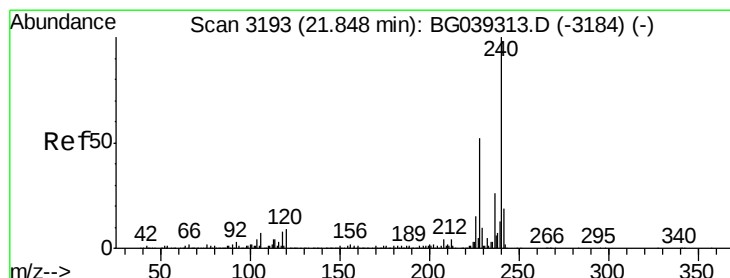
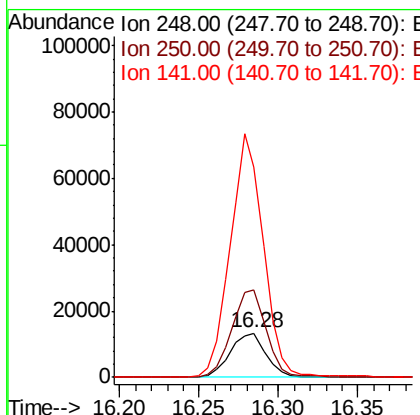
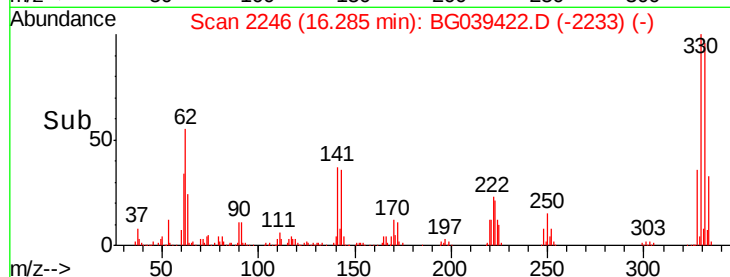
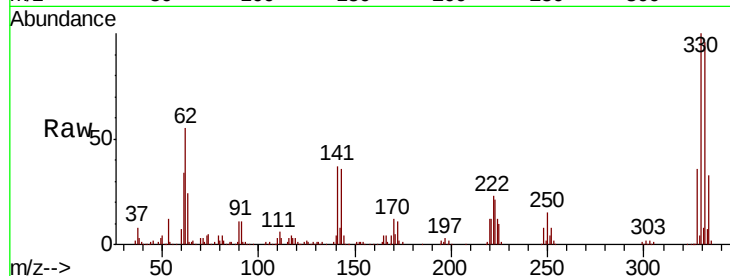




#67
 4-Bromophenyl-phenylether
 Concen: 4.920 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

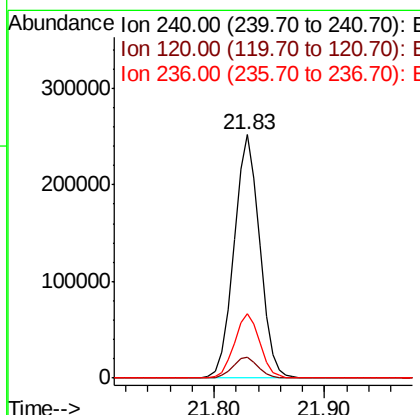
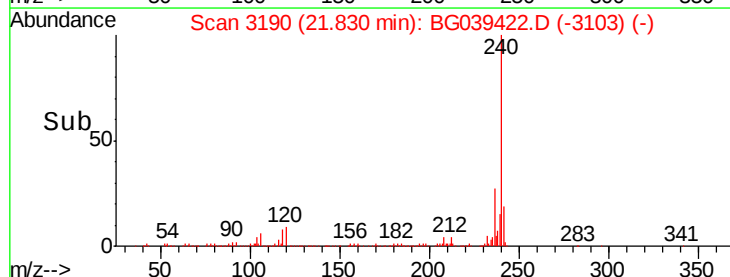
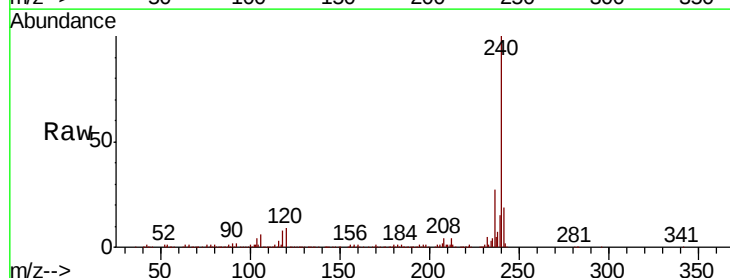
Instrument :
 BNA_G
 ClientSampleId :
 A0C12-SS3-9.0-9.5

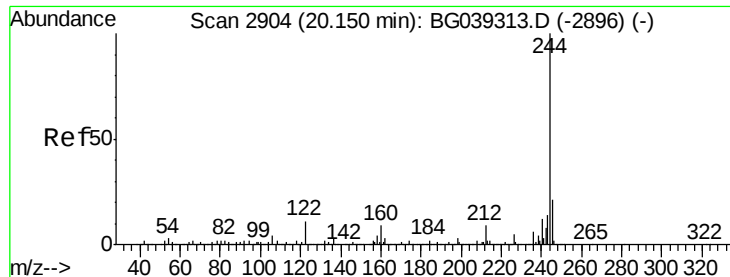
Tgt Ion:248 Resp: 20967
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.6 116.4#
 141 473.6 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039422.D
 Acq: 8 Feb 2019 19:15

Tgt Ion:240 Resp: 410947
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 26.6 21.0 31.4





#79

Terphenyl-d14

Concen: 68.849 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

Instrument :

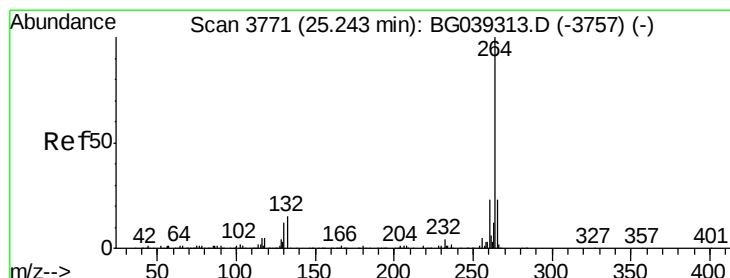
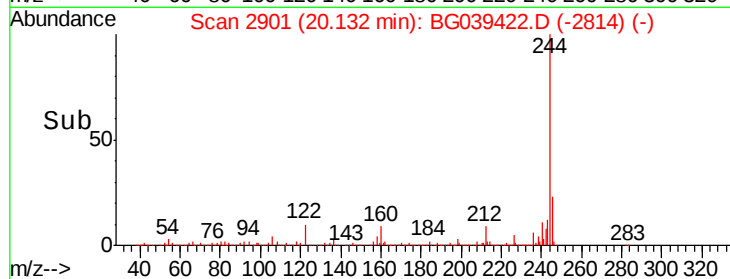
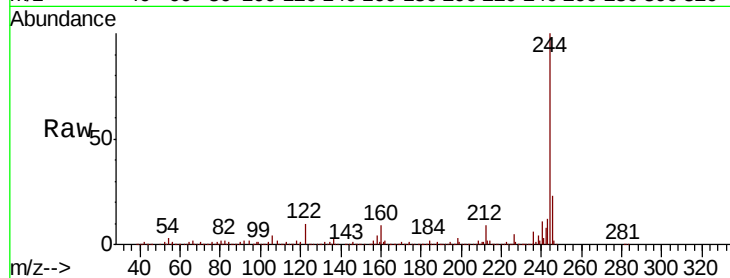
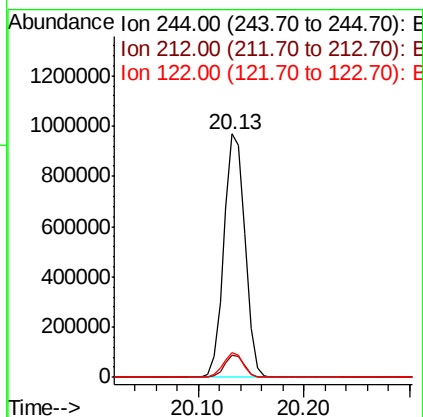
BNA_G

ClientSampleId :

A0C12-SS3-9.0-9.5

Tgt Ion:244 Resp: 1336680

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.3	10.9
122	10.4	8.4	12.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039422.D

Acq: 8 Feb 2019 19:15

Tgt Ion:264 Resp: 423386

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	20.3	18.5	27.7

