

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039531.D
 Acq On : 15 Feb 2019 21:23
 Operator : JU/SJ
 Sample : K1346-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-B

Quant Time: Feb 16 03:21:02 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	46871	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	211805	20.00	ng	-0.01
39) Acenaphthene-d10	14.79	164	148743	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	362362	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	385893	20.00	ng	-0.02
87) Perylene-d12	25.21	264	364806	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	397699	145.22	ng	0.00
7) Phenol-d6	7.32	99	559437	138.78	ng	0.00
23) Nitrobenzene-d5	9.35	82	376884	111.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	196859	122.91	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	909995	87.76	ng	-0.02
79) Terphenyl-d14	20.13	244	1554106	85.25	ng	-0.02

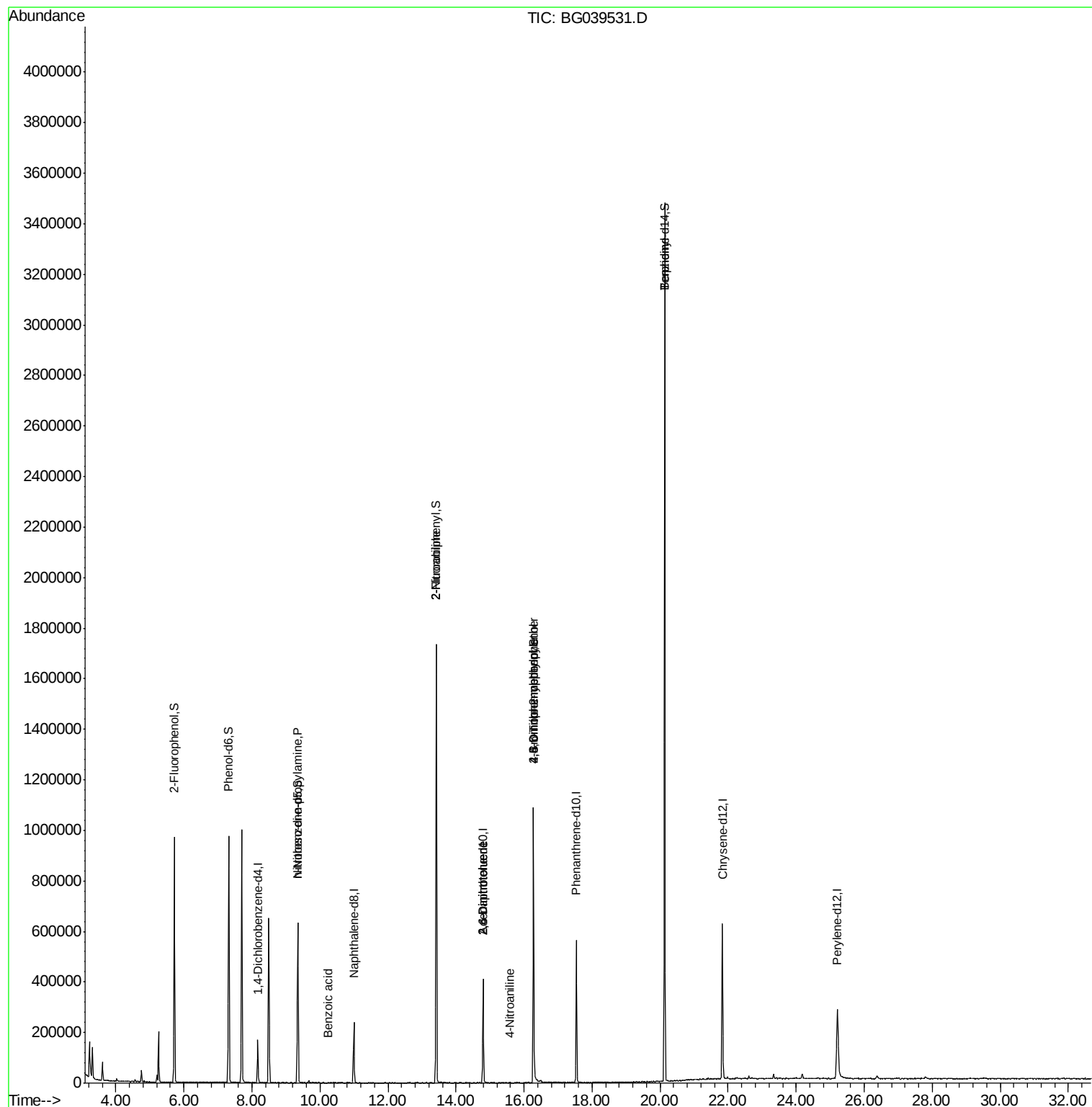
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	860	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	48399	16.916	ng	# 67
32) Benzoic acid	10.26	122	63	9.047	ng	# 46
48) 2-Nitroaniline	13.42	65	1721	8.829	ng	# 8
51) 2,6-Dinitrotoluene	14.79	165	19353	14.001	ng	# 22
57) 2,4-Dinitrotoluene	14.79	165	19353	13.457	ng	# 17
62) 4-Nitroaniline	15.59	138	71	4.228	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	857	4.933	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	14822	3.687	ng	# 1
77) Benzidine	20.13	184	27231	2.152	ng	# 90

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

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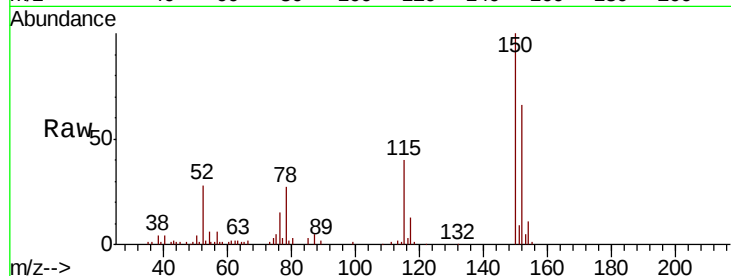


#1

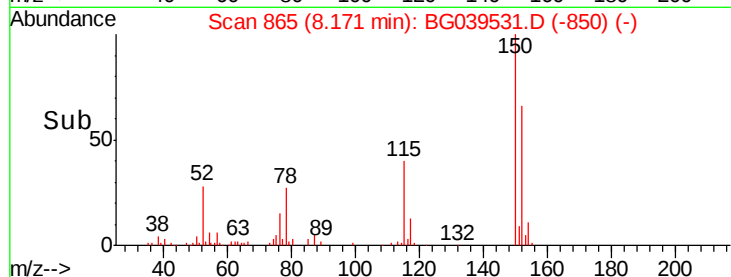
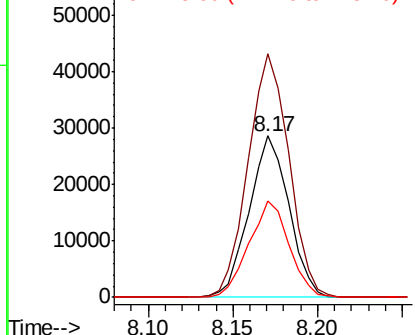
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-B

Tgt Ion:152 Resp: 46871
Ion Ratio Lower Upper
152 100
150 150.9 123.7 185.5
115 60.0 45.9 68.9



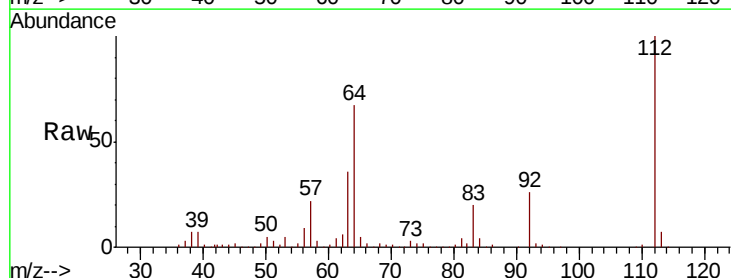
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



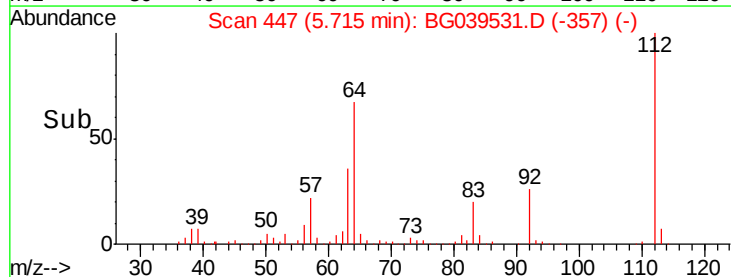
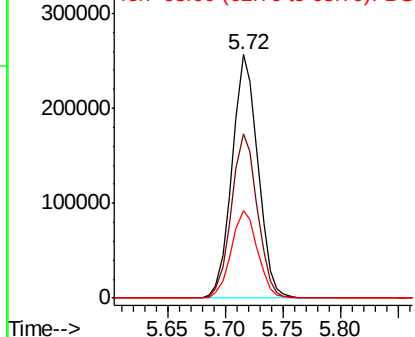
#5

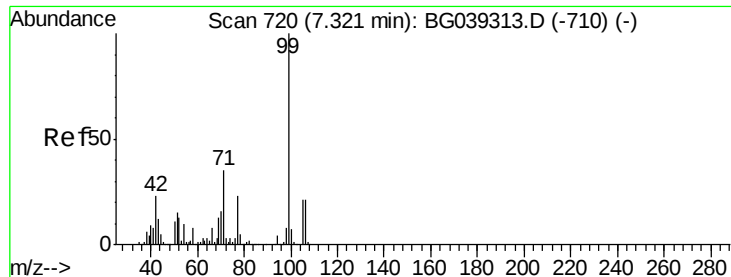
2-Fluorophenol
Concen: 145.221 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Tgt Ion:112 Resp: 397699
Ion Ratio Lower Upper
112 100
64 67.5 57.8 86.8
63 36.0 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: 138.780 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-B

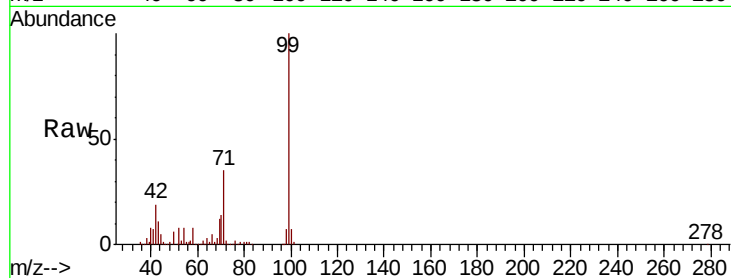
Tgt Ion: 99 Resp: 559437

Ion Ratio Lower Upper

99 100

42 19.2 18.2 27.2

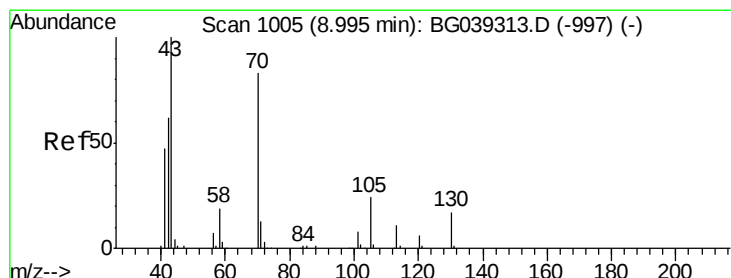
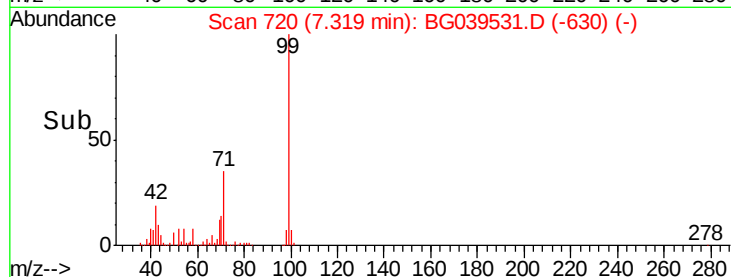
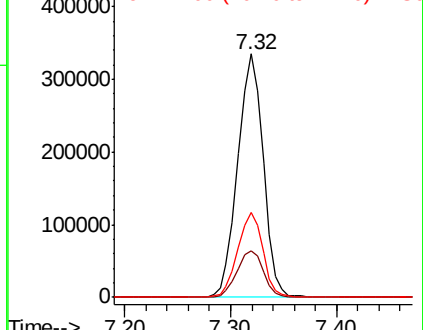
71 35.0 28.0 42.0



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: 16.916 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

Tgt Ion: 70 Resp: 48399

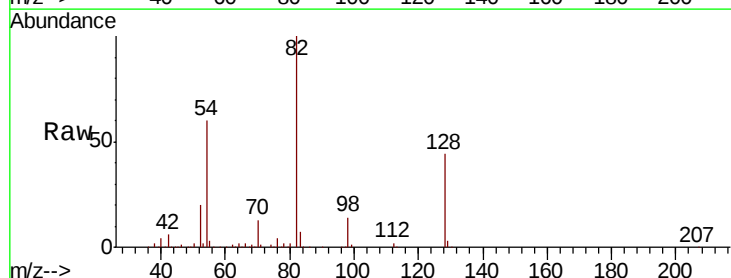
Ion Ratio Lower Upper

70 100

42 47.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

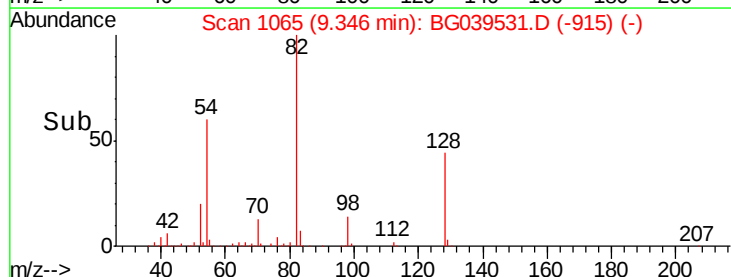
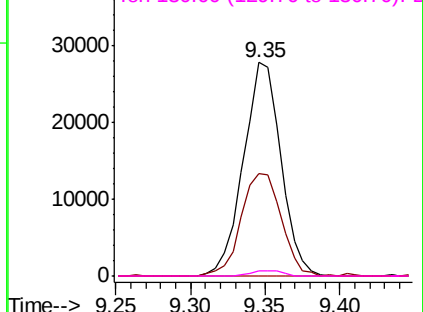


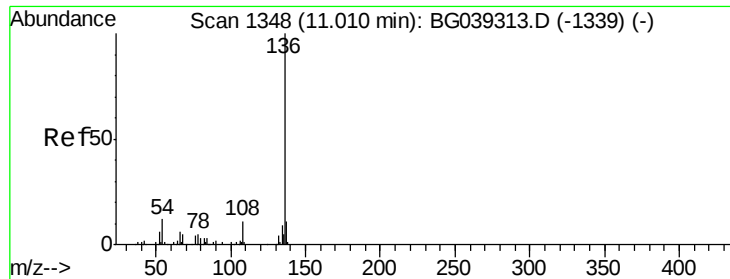
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

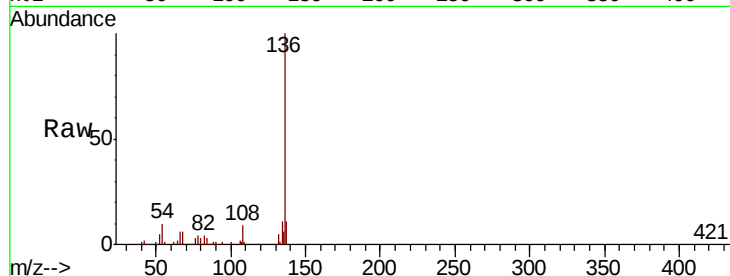




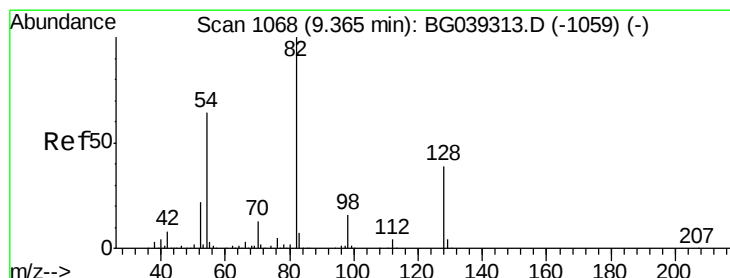
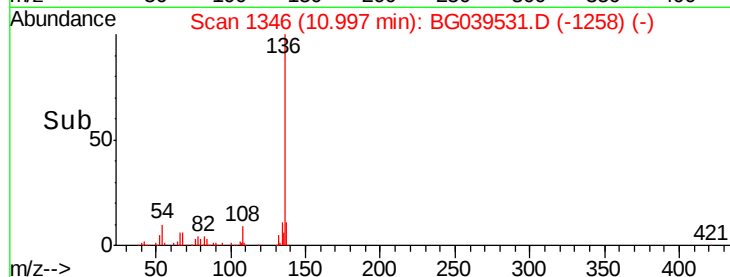
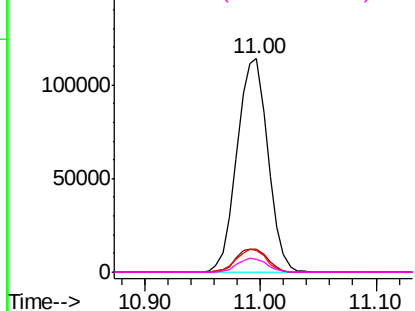
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-B

Tgt Ion:	136	Resp:	211805
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.0	9.4	14.2
68	5.7	4.2	6.4

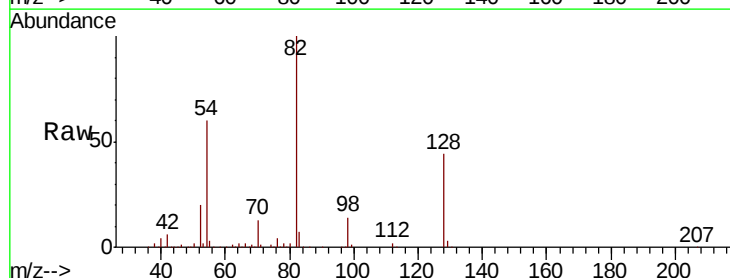


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

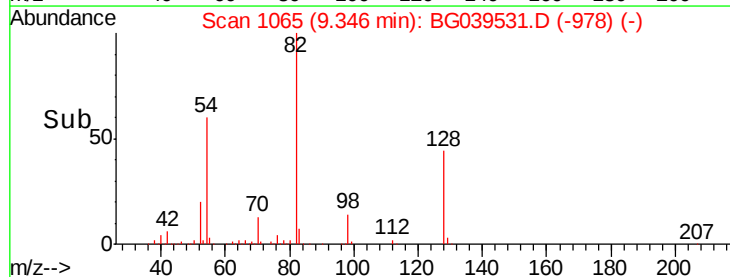
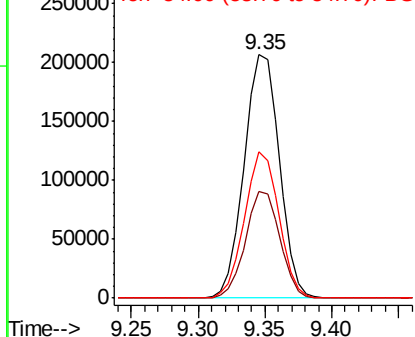


#23
Nitrobenzene-d5
Concen: 111.161 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Tgt Ion:	82	Resp:	376884
Ion	Ratio	Lower	Upper
82	100		
128	43.6	31.3	46.9
54	60.0	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: 9.047 ng

RT: 10.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-B

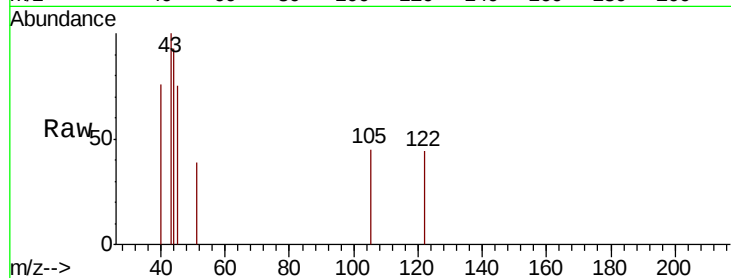
Tgt Ion:122 Resp: 63

Ion Ratio Lower Upper

122 100

105 101.1 101.8 141.8#

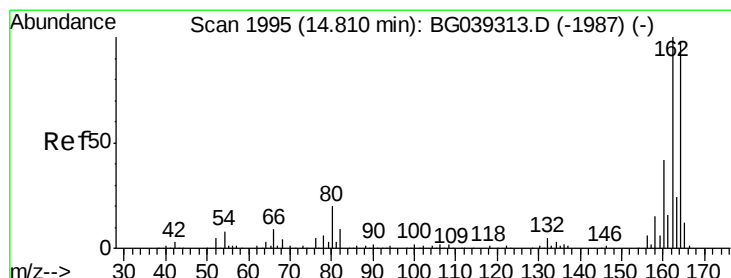
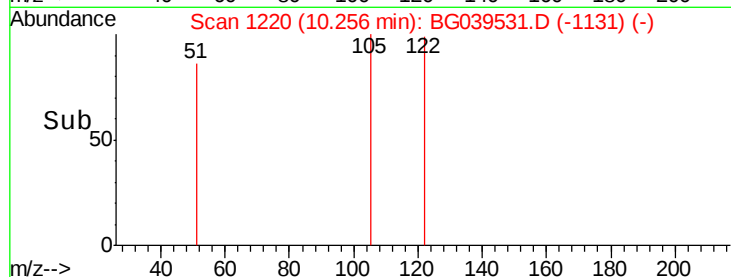
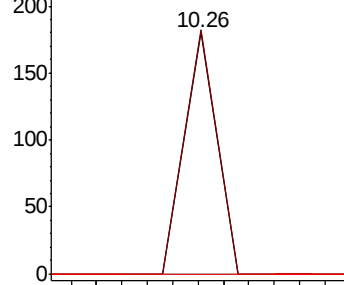
77 0.0 76.3 116.3#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

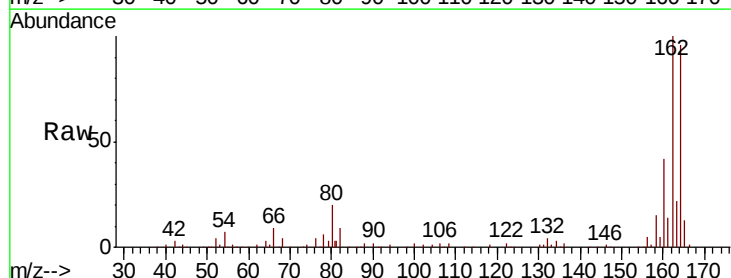
Tgt Ion:164 Resp: 148743

Ion Ratio Lower Upper

164 100

162 104.1 81.6 122.4

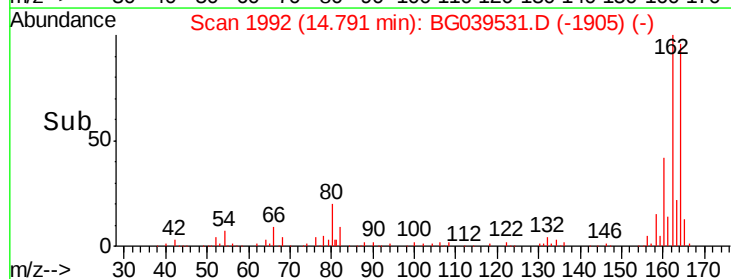
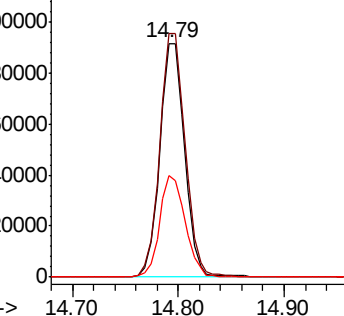
160 43.3 34.2 51.2

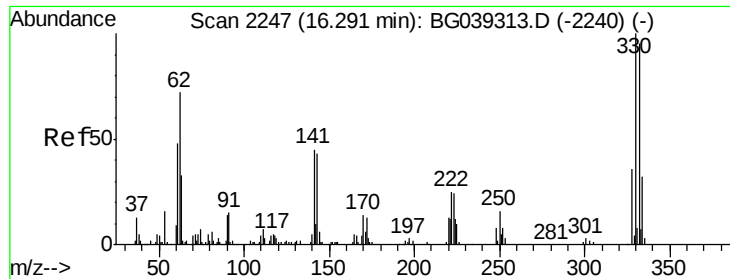


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

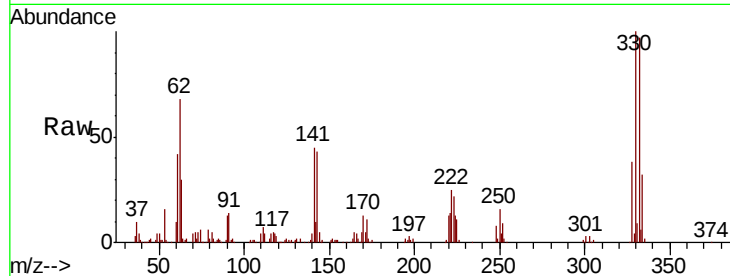




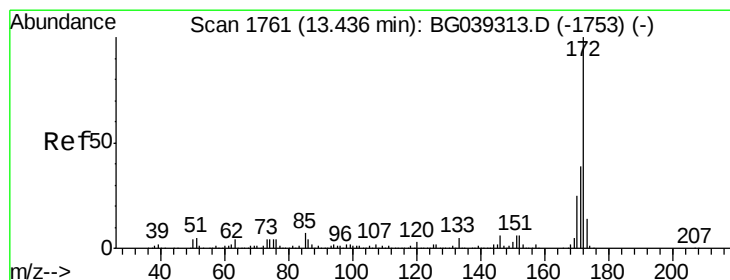
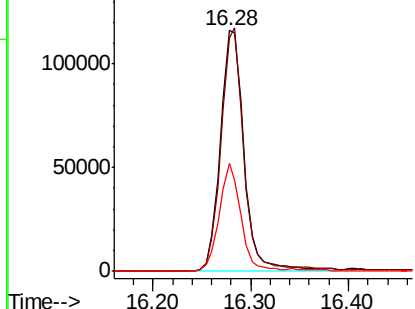
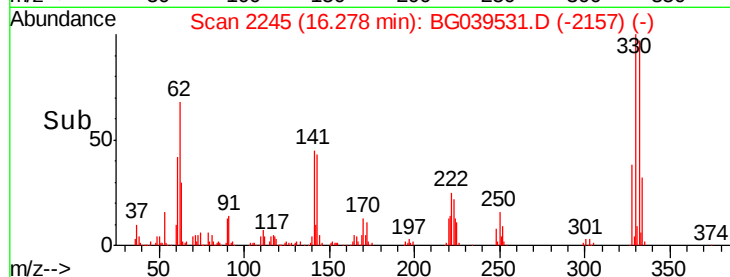
#42
 2,4,6-Tribromophenol
 Concen: 122.906 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-B

Tgt Ion:330 Resp: 196859
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.7 113.5
 141 40.4 35.6 53.4

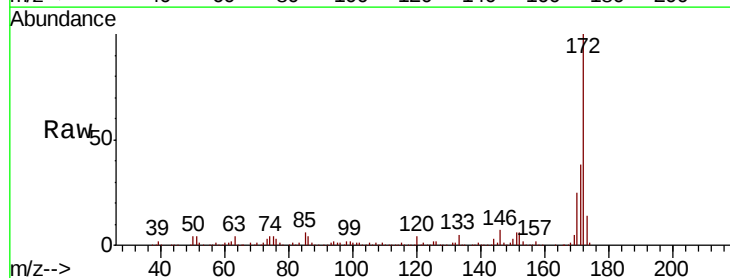


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

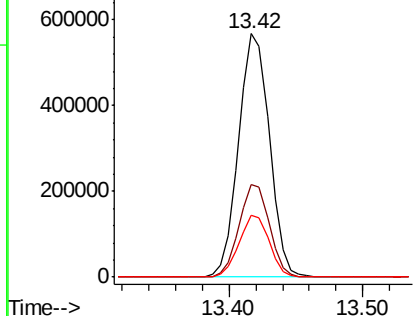
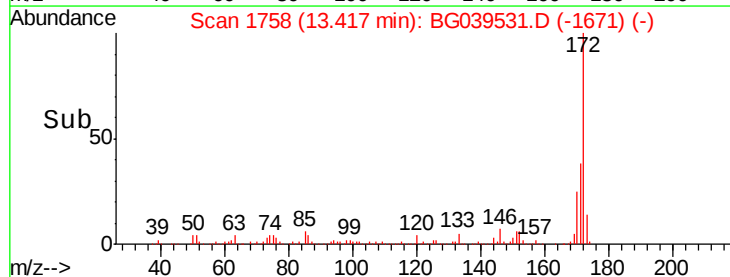


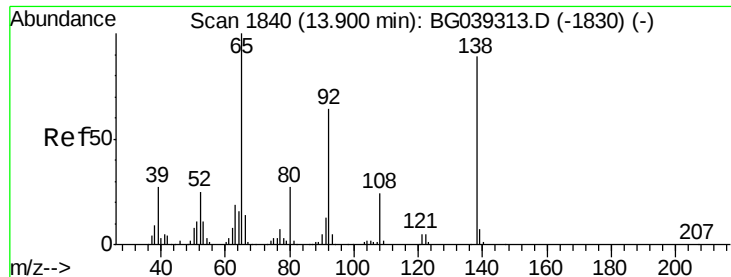
#45
 2-Fluorobiphenyl
 Concen: 87.764 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Tgt Ion:172 Resp: 909995
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 25.4 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

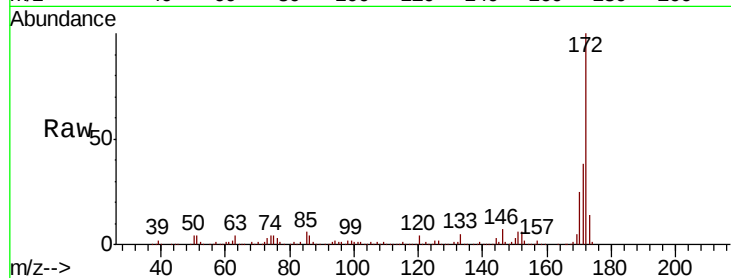




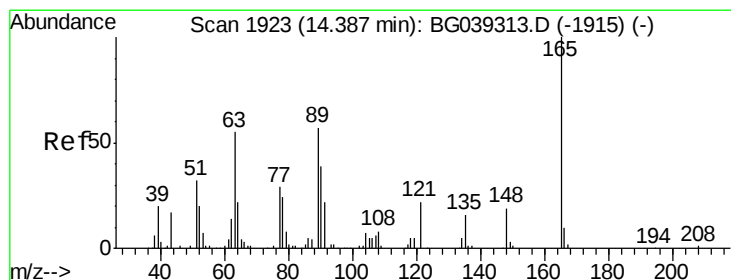
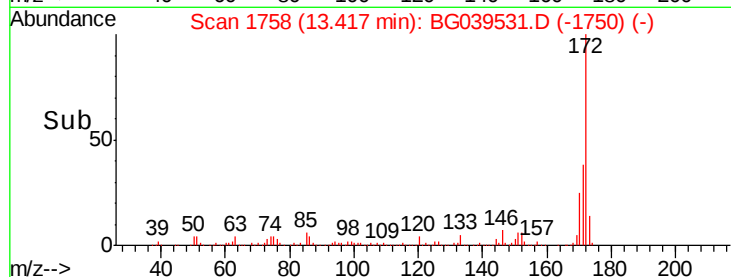
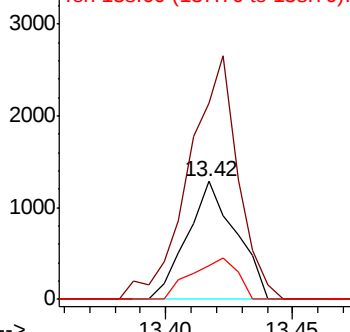
#48
2-Nitroaniline
Concen: 8.829 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-B

Tgt Ion: 65 Resp: 1721
Ion Ratio Lower Upper
65 100
92 166.3 51.4 77.2#
138 28.6 71.4 107.2#

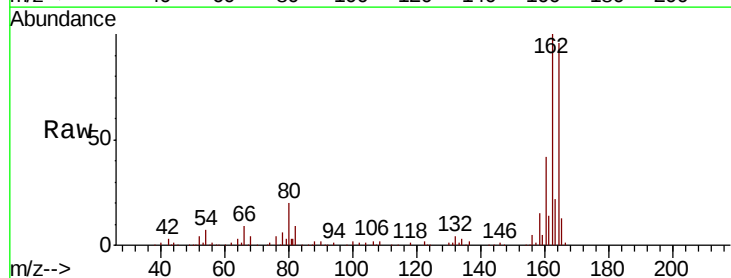


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

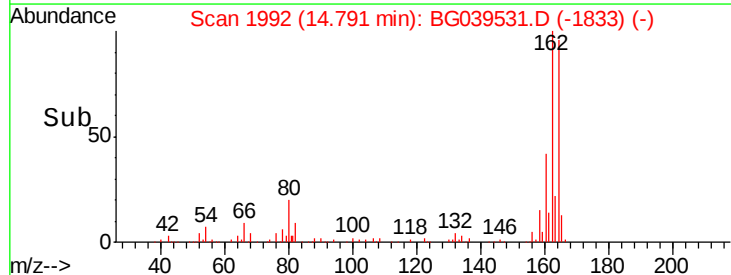
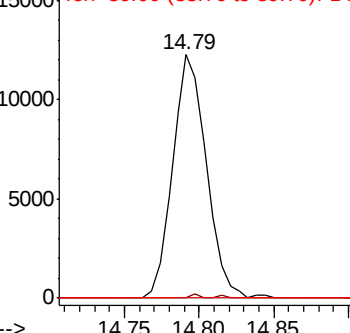


#51
2,6-Dinitrotoluene
Concen: 14.001 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039531.D
Acq: 15 Feb 2019 21:23

Tgt Ion: 165 Resp: 19353
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 0.0 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

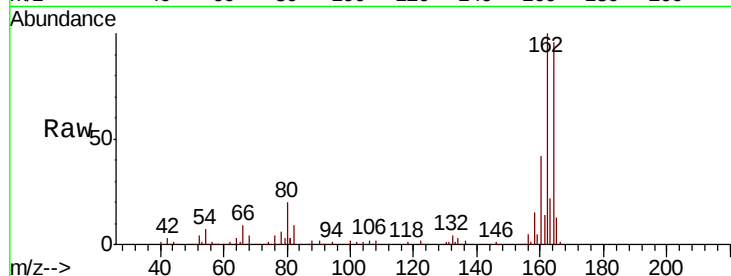




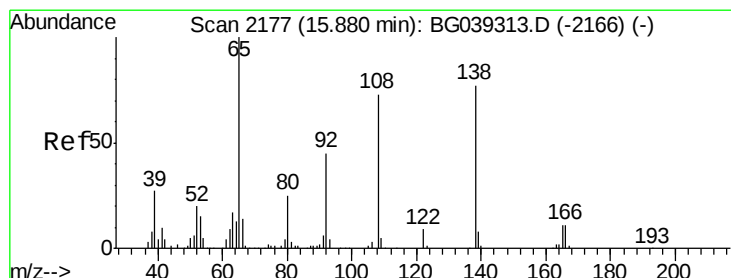
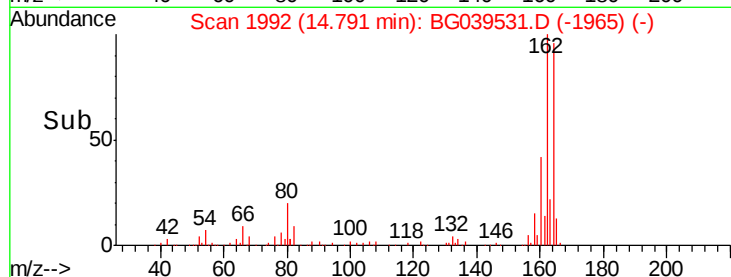
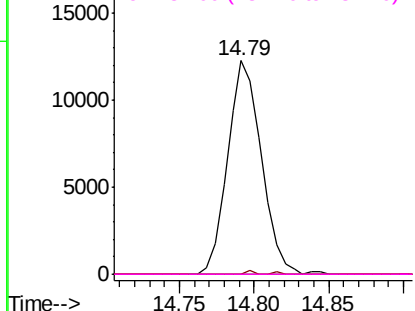
#57
 2,4-Dinitrotoluene
 Concen: 13.457 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-B

Tgt Ion:	165	Resp:	19353
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#

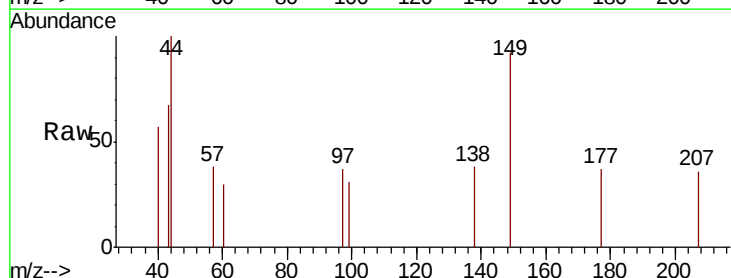


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

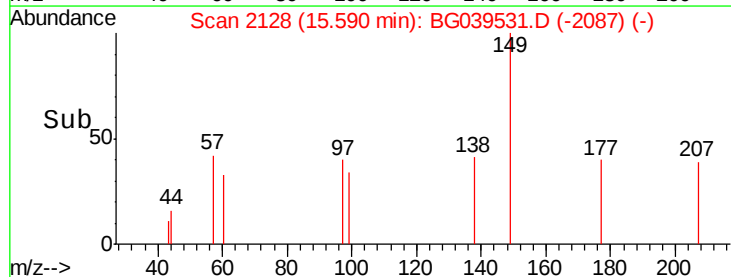
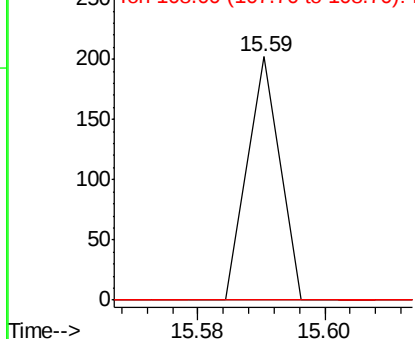


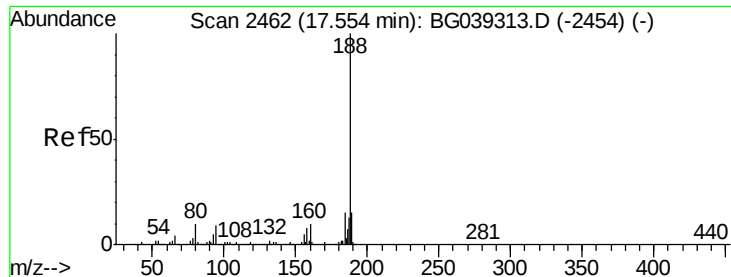
#62
 4-Nitroaniline
 Concen: 4.228 ng
 RT: 15.59 min Scan# 2128
 Delta R.T. -0.29 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Tgt Ion:	138	Resp:	71
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: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-B

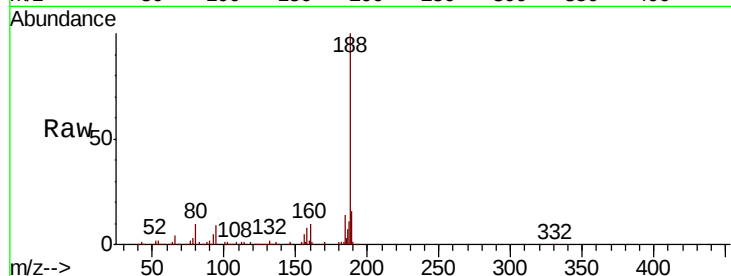
Tgt Ion:188 Resp: 362362

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

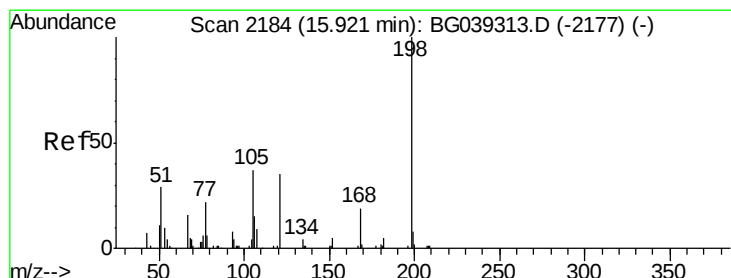
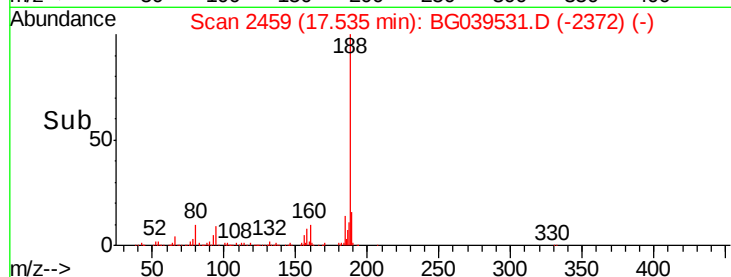
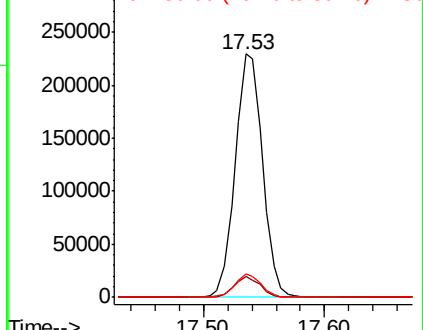
80 9.7 8.1 12.1



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: 4.933 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

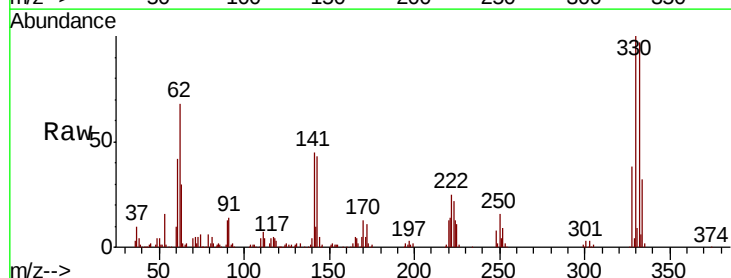
Tgt Ion:198 Resp: 857

Ion Ratio Lower Upper

198 100

51 135.6 27.4 67.4#

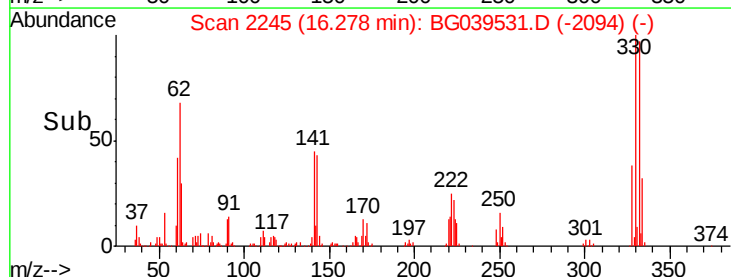
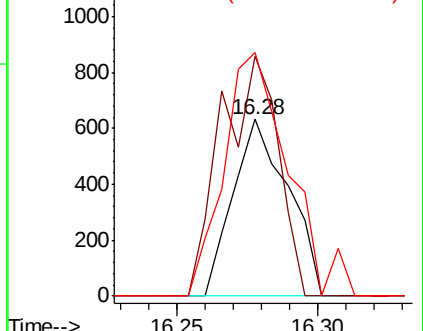
105 137.8 19.7 59.7#

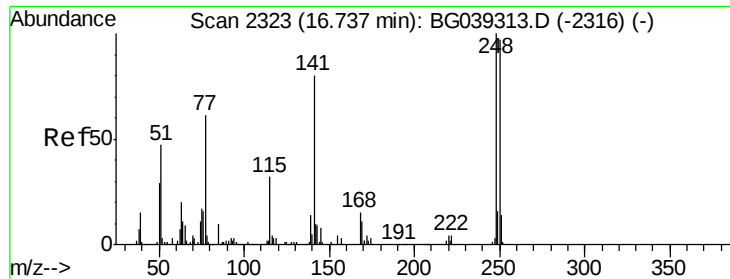


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

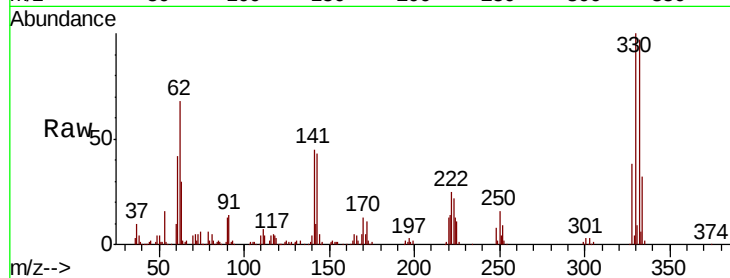




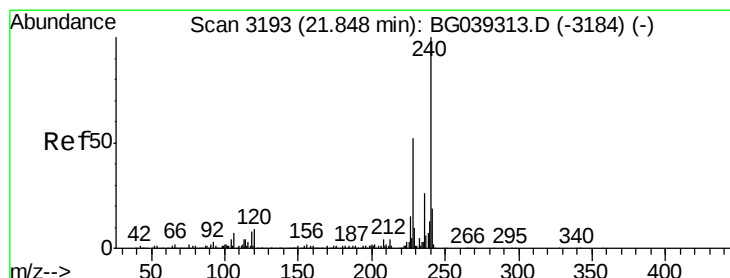
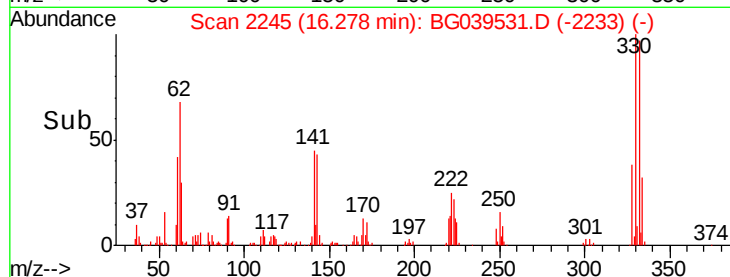
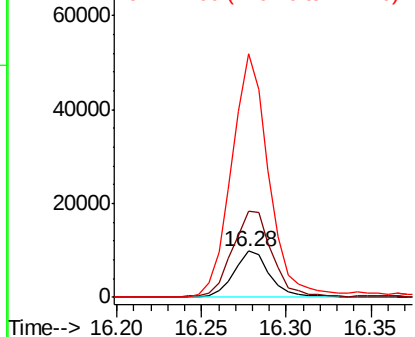
#67
 4-Bromophenyl-phenylether
 Concen: 3.687 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-B

Tgt Ion:248 Resp: 14822
 Ion Ratio Lower Upper
 248 100
 250 187.8 77.6 116.4#
 141 527.6 63.9 95.9#

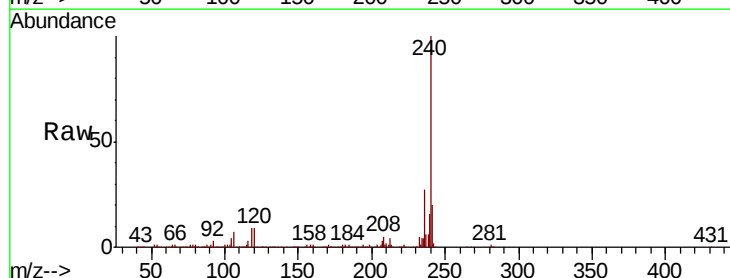


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

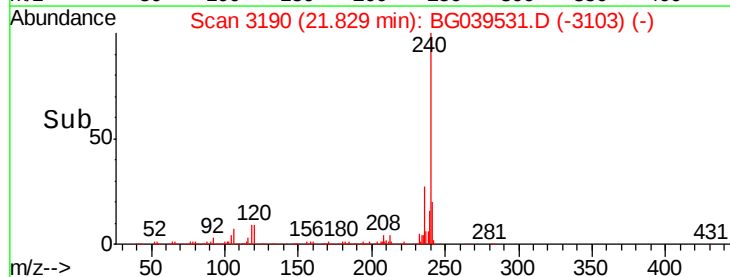
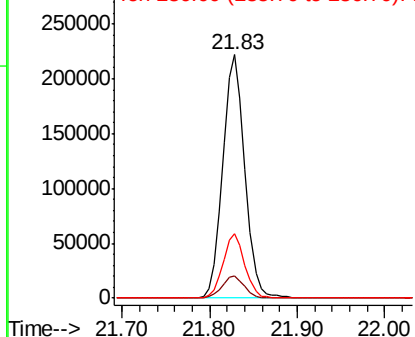


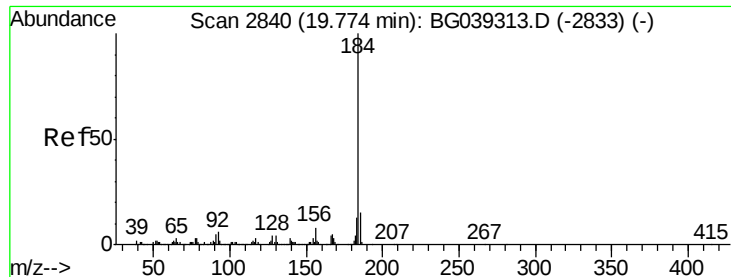
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039531.D
 Acq: 15 Feb 2019 21:23

Tgt Ion:240 Resp: 385893
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 26.5 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: 2.152 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-B

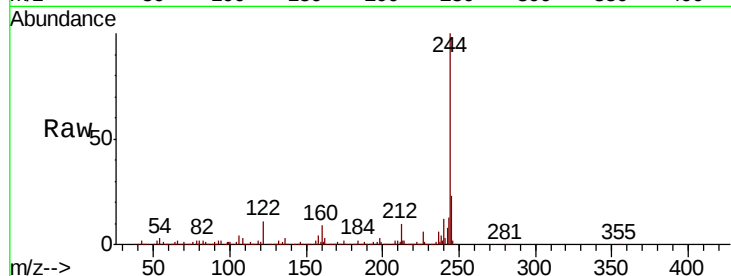
Tgt Ion:184 Resp: 27231

Ion Ratio Lower Upper

184 100

185 18.0 12.2 18.2

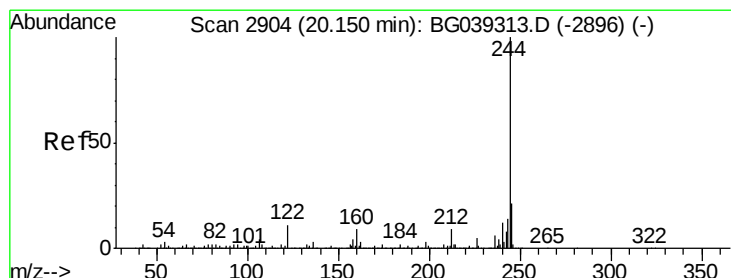
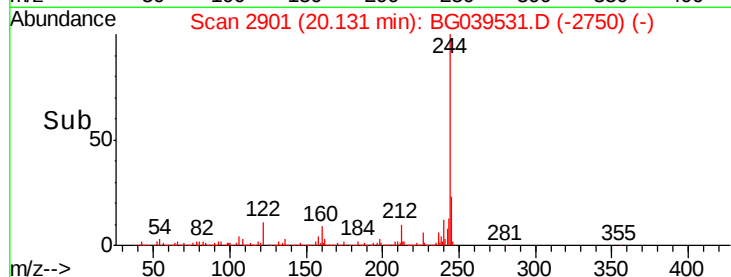
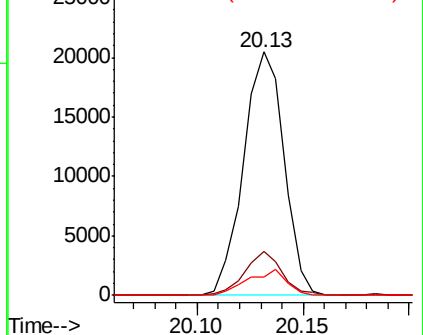
183 7.5 10.6 15.8#



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: 85.245 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039531.D

Acq: 15 Feb 2019 21:23

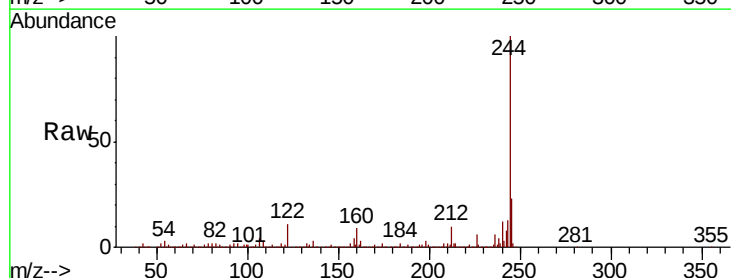
Tgt Ion:244 Resp: 1554106

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

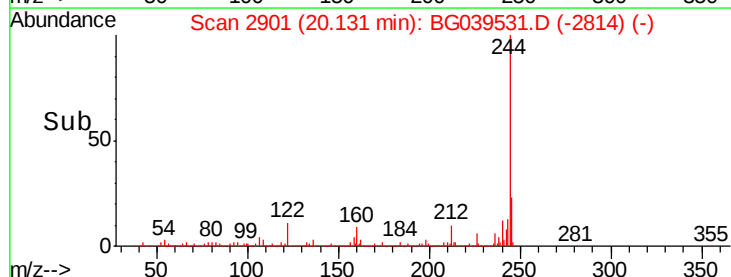
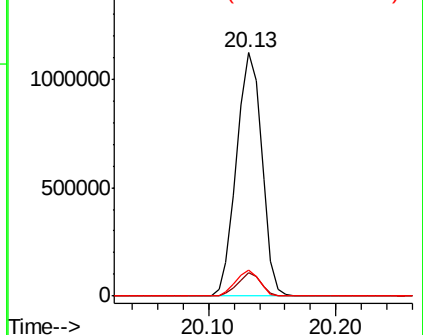
122 10.8 8.4 12.6

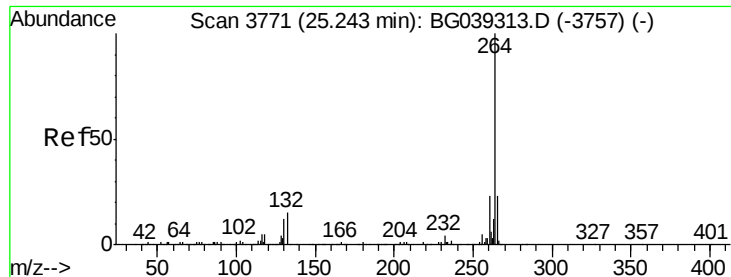


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039531.D
Acq: 15 Feb 2019 21:23

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-B

Tgt Ion:	264	Resp:	364806
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.8	18.5	27.7

