

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
 Data File : BG039986.D
 Acq On : 19 Mar 2019 1:50
 Operator : JU/SJ
 Sample : K1938-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Quant Time: Mar 19 07:52:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

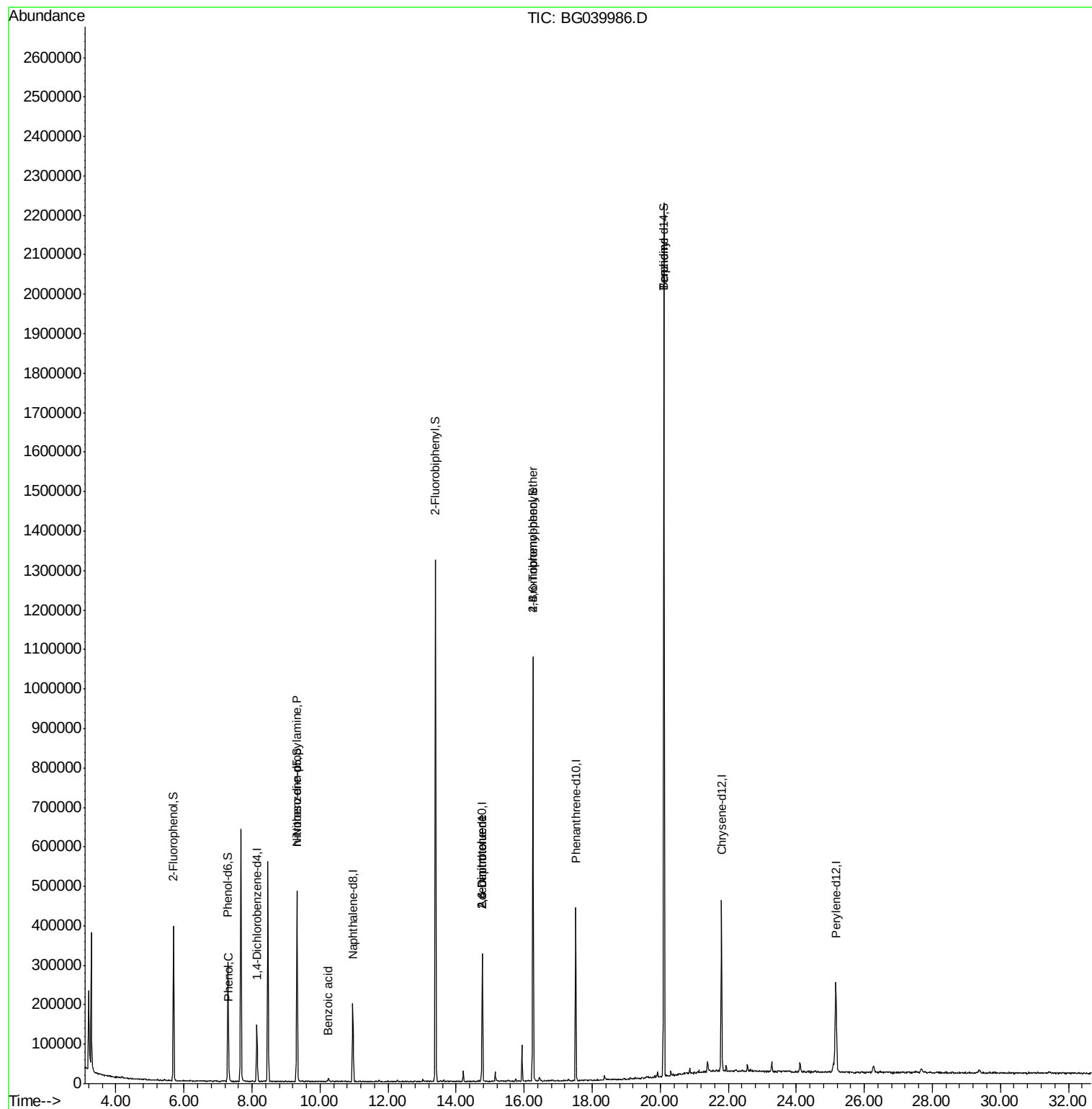
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	38344	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	163170	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	113613	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	263491	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	263756	20.00	ng	-0.03
87) Perylene-d12	25.16	264	261778	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	156252	69.52	ng	-0.02
7) Phenol-d6	7.29	99	165675	49.44	ng	-0.02
23) Nitrobenzene-d5	9.33	82	288123	95.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	179859	135.82	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	696179	87.25	ng	-0.03
79) Terphenyl-d14	20.11	244	1019493	85.11	ng	-0.01
Target Compounds						
10) Phenol	7.32	94	10936	3.012	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	9.33	70	38138	15.811	ng	# 69
32) Benzoic acid	10.22	122	839	7.042	ng	# 79
51) 2,6-Dinitrotoluene	14.77	165	14326	7.113	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	14326	5.062	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	14047	4.763	ng	# 1
77) Benzidine	20.11	184	18609	2.223	ng	# 93

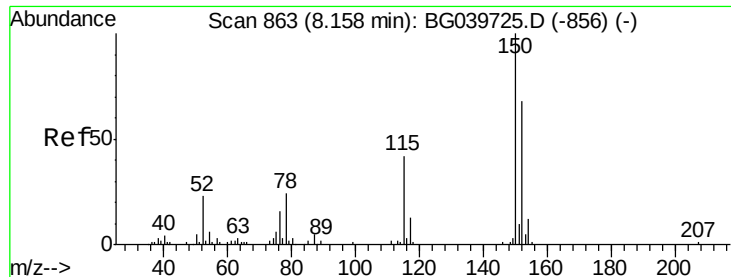
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
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ALS Vial : 15 Sample Multiplier: 1

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W-2

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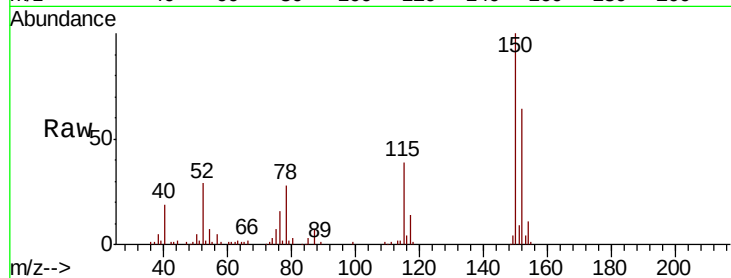


#1

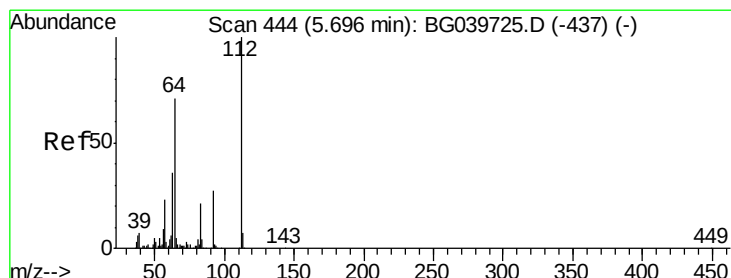
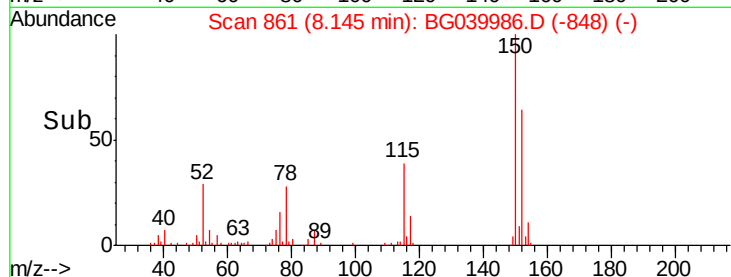
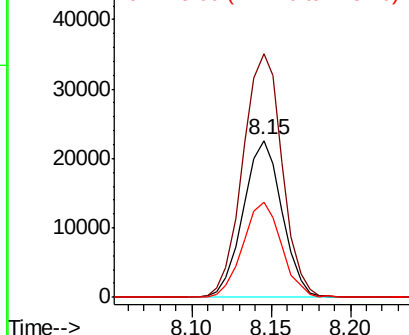
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039986.D
Acq: 19 Mar 2019 1:50

Instrument :
BNA_G
ClientSampled :
W-2

Tgt Ion:152 Resp: 38344
Ion Ratio Lower Upper
152 100
150 155.4 123.7 185.5
115 60.8 45.9 68.9



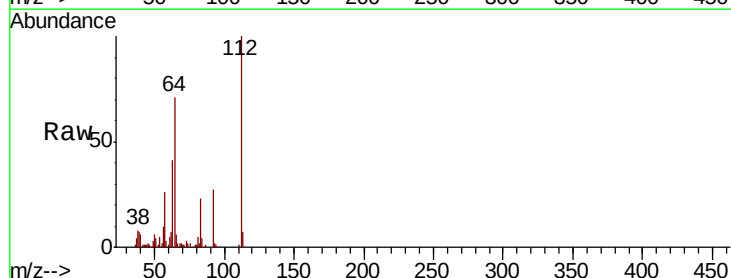
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



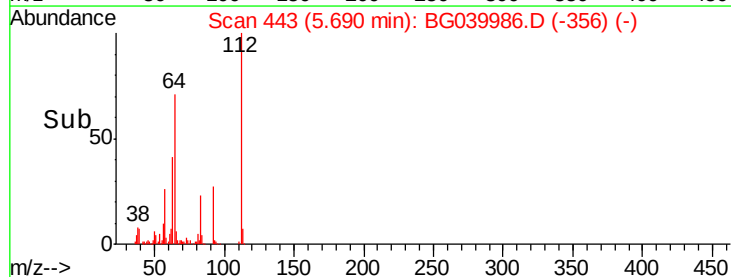
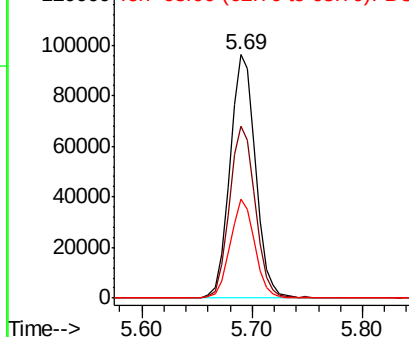
#5

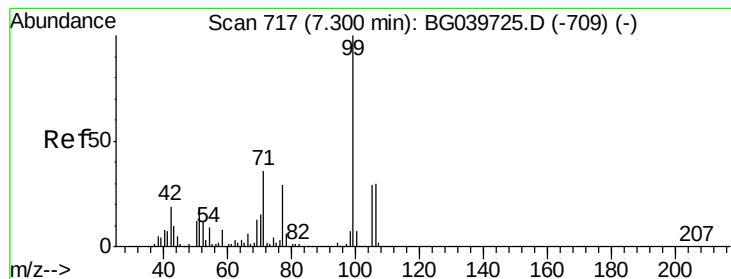
2-Fluorophenol
Concen: 69.520 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039986.D
Acq: 19 Mar 2019 1:50

Tgt Ion:112 Resp: 156252
Ion Ratio Lower Upper
112 100
64 70.9 57.8 86.8
63 40.6 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: 49.436 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

Instrument :

BNA_G

ClientSampled :

W-2

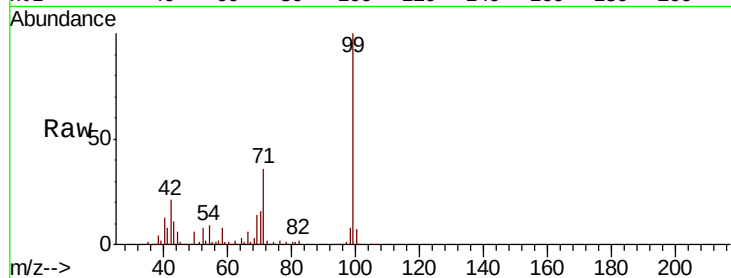
Tgt Ion: 99 Resp: 165675

Ion Ratio Lower Upper

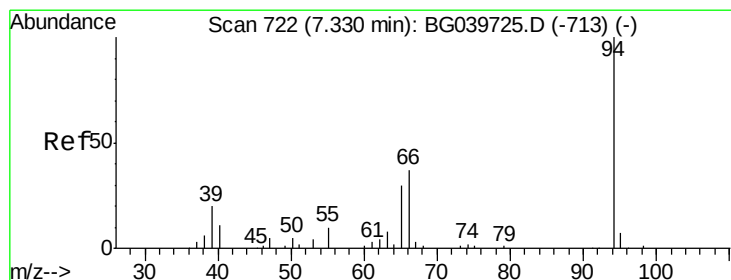
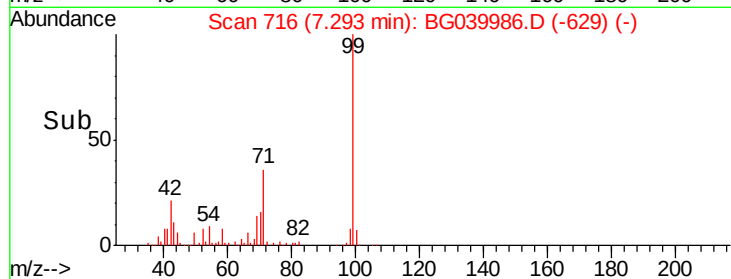
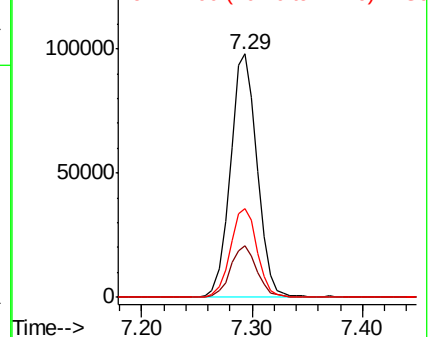
99 100

42 21.2 18.2 27.2

71 36.2 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



#10

Phenol

Concen: 3.012 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

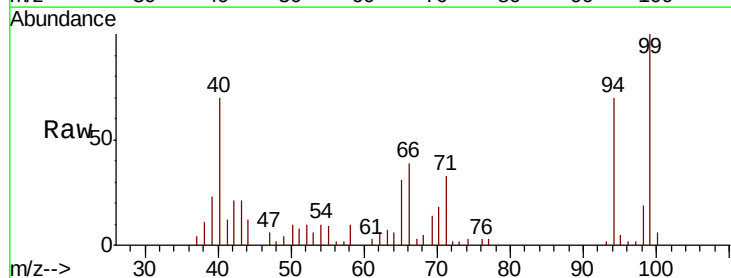
Tgt Ion: 94 Resp: 10936

Ion Ratio Lower Upper

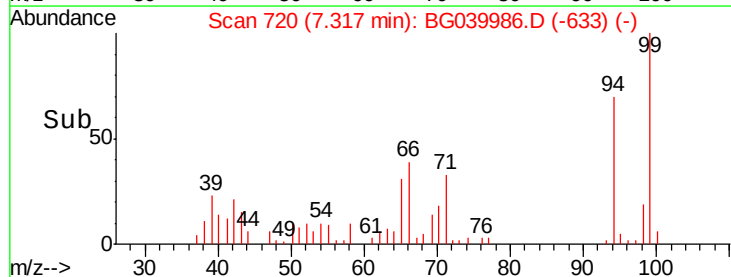
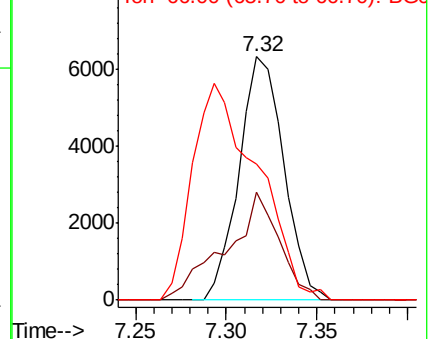
94 100

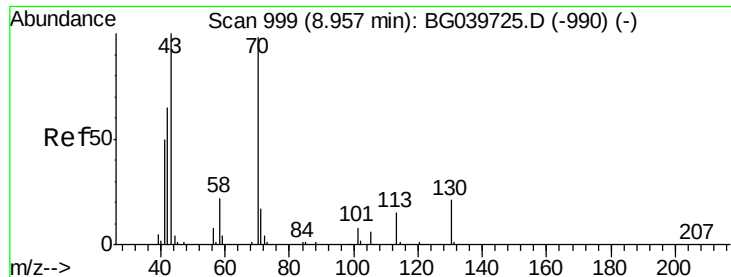
65 44.3 11.7 51.7

66 55.7 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

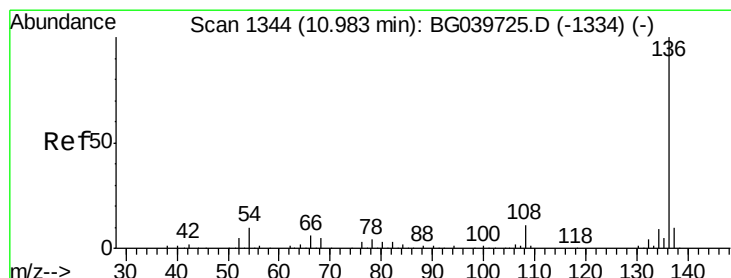
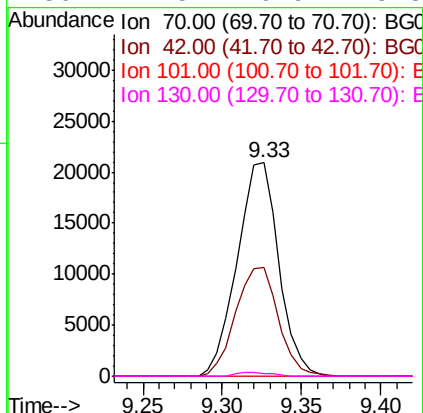
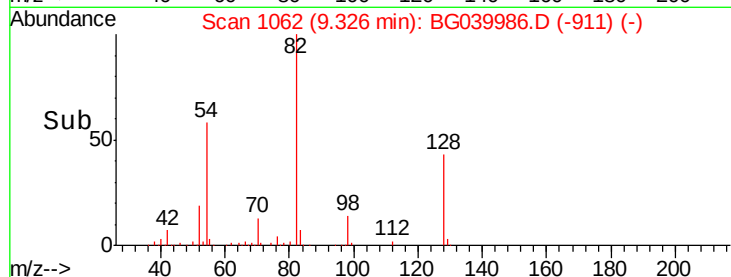
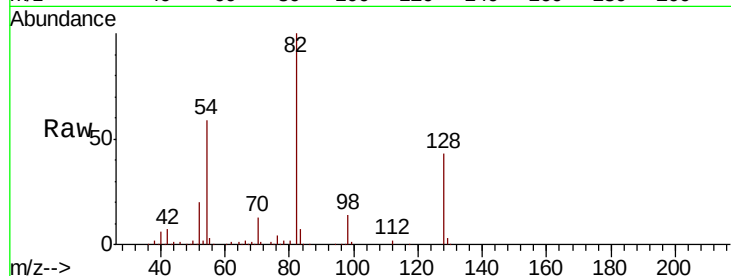




#19
n-Nitroso-di-n-propylamine
Concen: 15.811 ng
RT: 9.33 min Scan# 1062
Delta R.T. 0.36 min
Lab File: BG039986.D
Acq: 19 Mar 2019 1:50

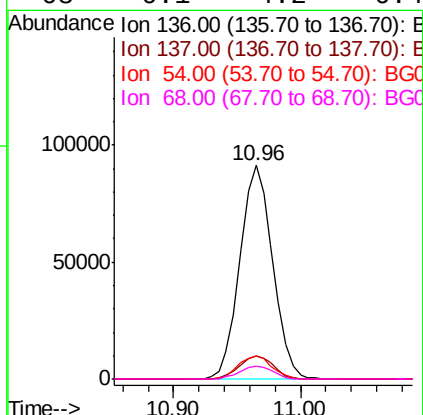
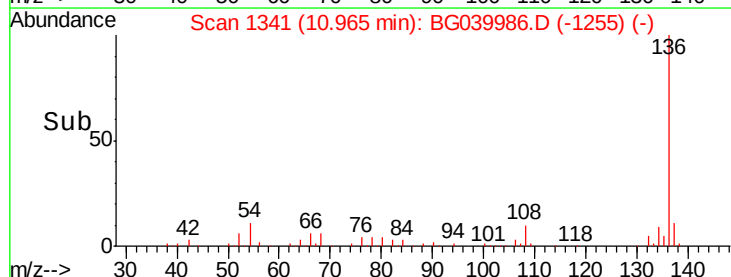
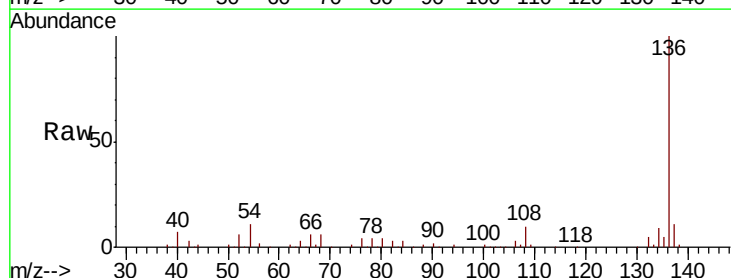
Instrument :
BNA_G
ClientSampleId :
W-2

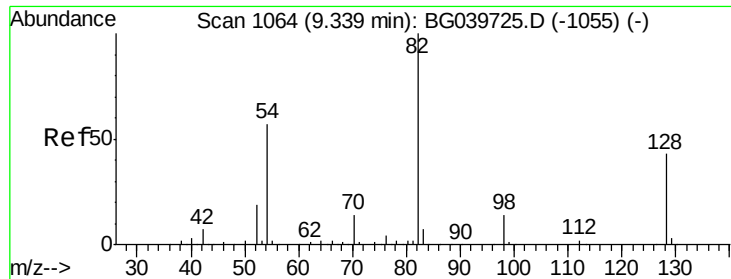
Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.2	60.4	90.6#
101	0.0	7.5	11.3#
130	1.5	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG039986.D
Acq: 19 Mar 2019 1:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.9	9.4	14.2
68	6.1	4.2	6.4

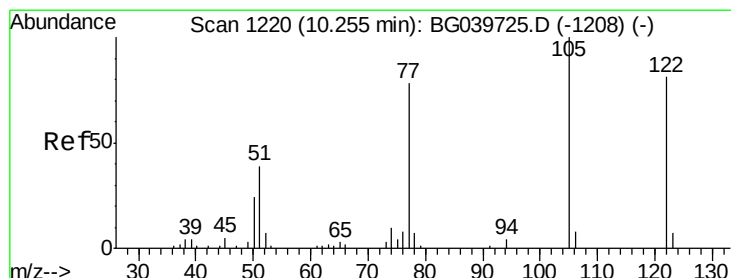
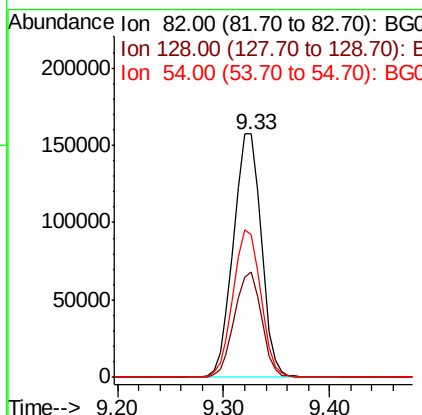
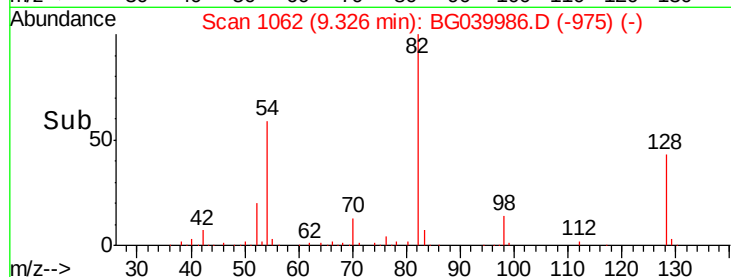
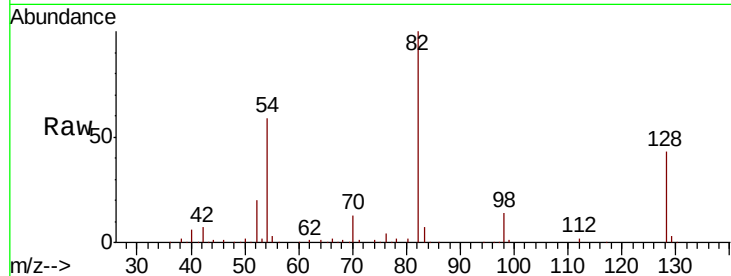




#23
 Nitrobenzene-d5
 Concen: 95.501 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

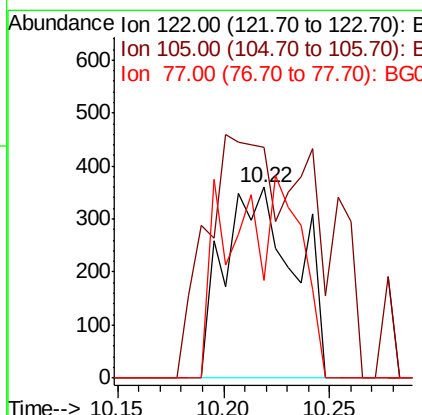
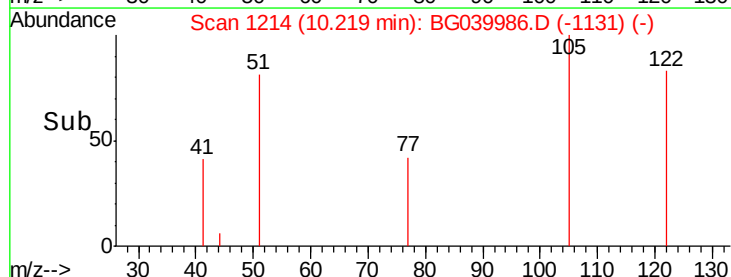
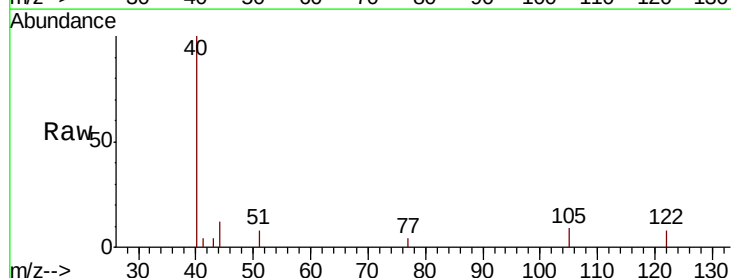
Instrument :
 BNA_G
 ClientSampleId :
 W-2

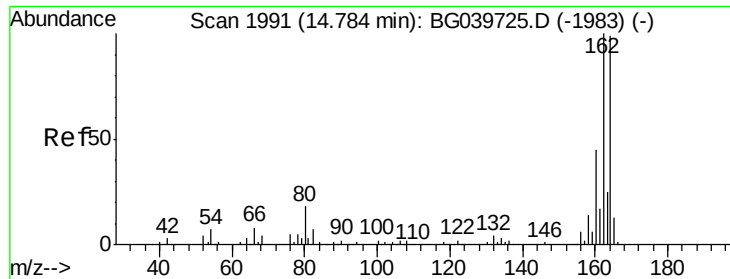
Tgt Ion: 82 Resp: 288123
 Ion Ratio Lower Upper
 82 100
 128 43.1 31.3 46.9
 54 58.7 50.9 76.3



#32
 Benzoic acid
 Concen: 7.042 ng
 RT: 10.22 min Scan# 1214
 Delta R.T. -0.04 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Tgt Ion: 122 Resp: 839
 Ion Ratio Lower Upper
 122 100
 105 121.1 101.8 141.8
 77 51.1 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

Instrument :

BNA_G

ClientSampleId :

W-2

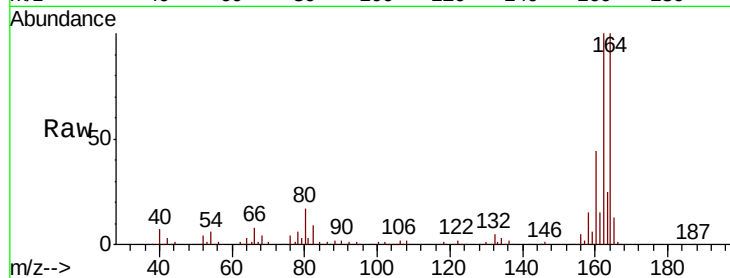
Tgt Ion:164 Resp: 113613

Ion Ratio Lower Upper

164 100

162 99.6 81.6 122.4

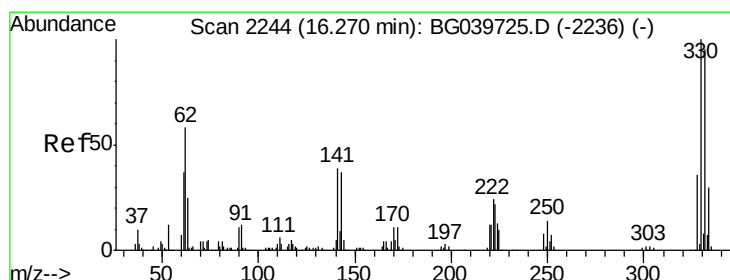
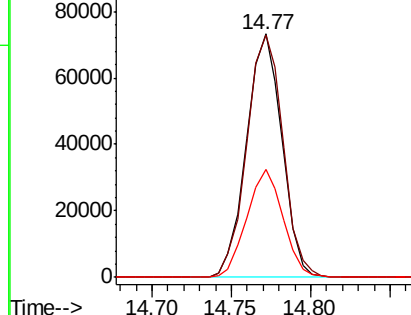
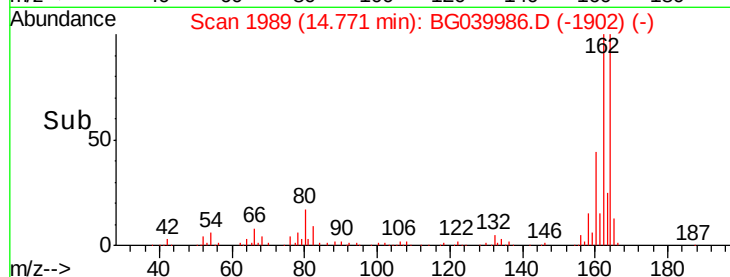
160 44.4 34.2 51.2



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: 135.820 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

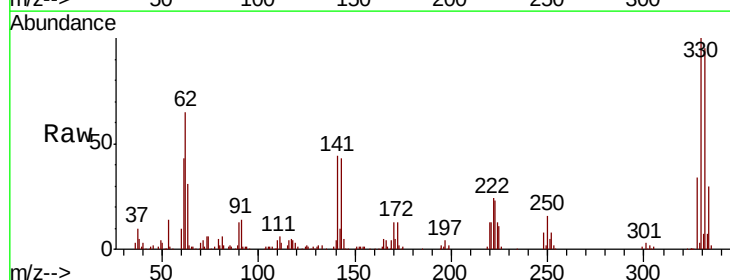
Tgt Ion:330 Resp: 179859

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

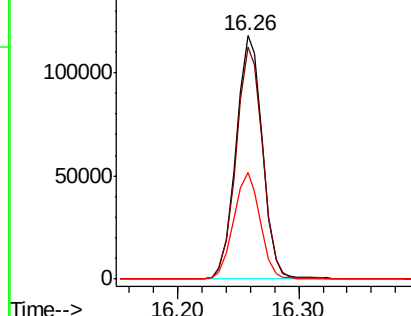
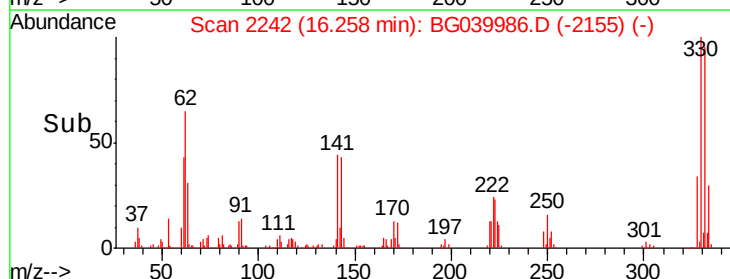
141 43.8 35.6 53.4

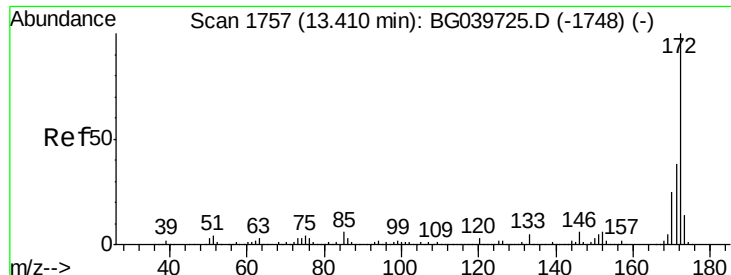


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

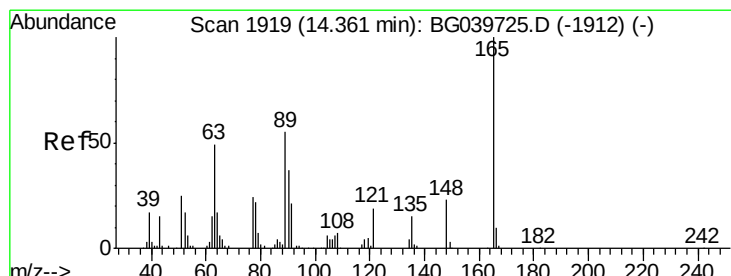
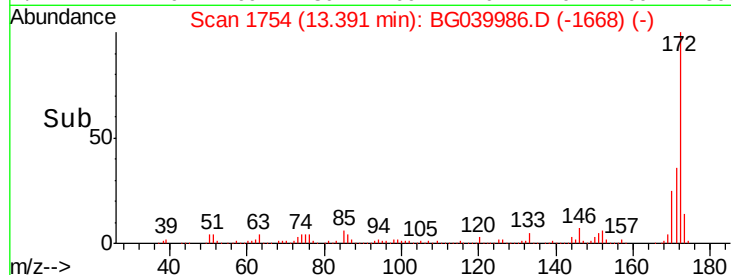
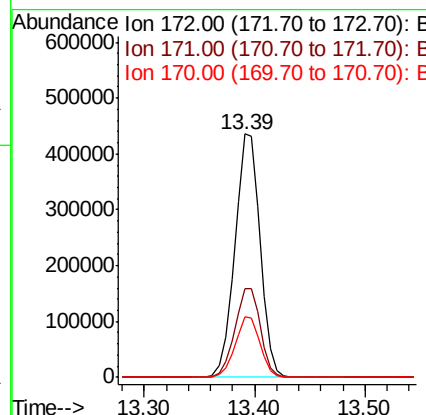
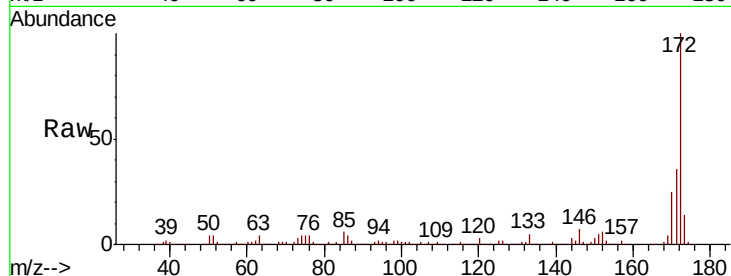




#45
 2-Fluorobiphenyl
 Concen: 87.247 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

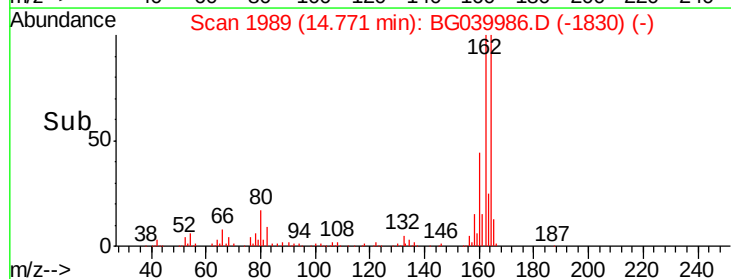
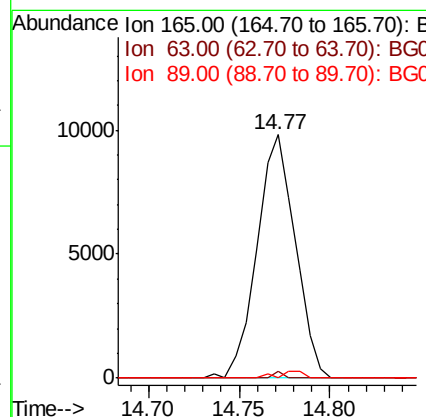
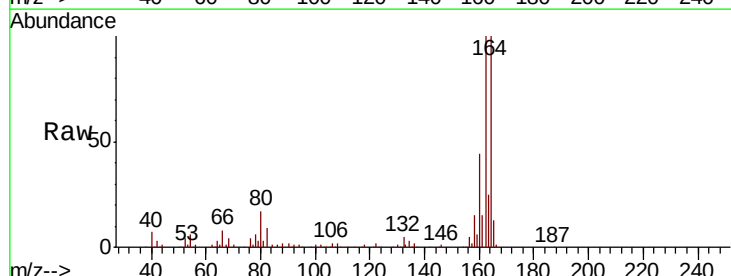
Instrument :
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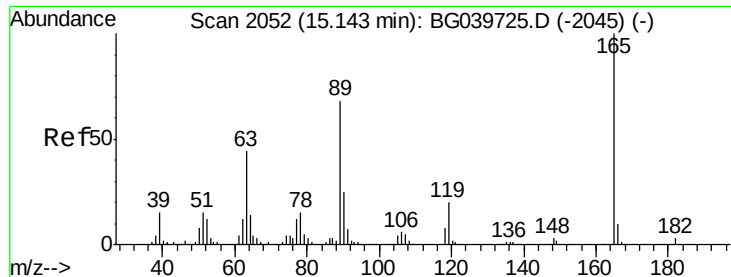
Tgt Ion:172 Resp: 696179
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.8 46.2
 170 24.6 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.113 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Tgt Ion:165 Resp: 14326
 Ion Ratio Lower Upper
 165 100
 63 2.7 47.0 70.6#
 89 0.0 45.8 68.8#

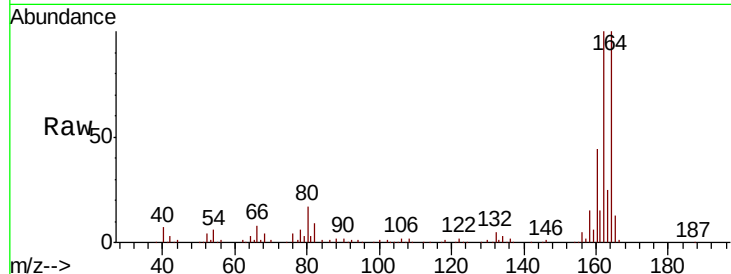




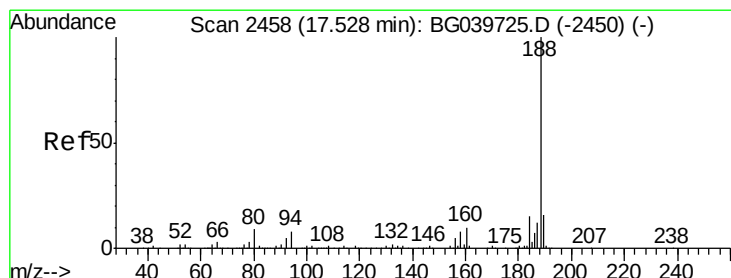
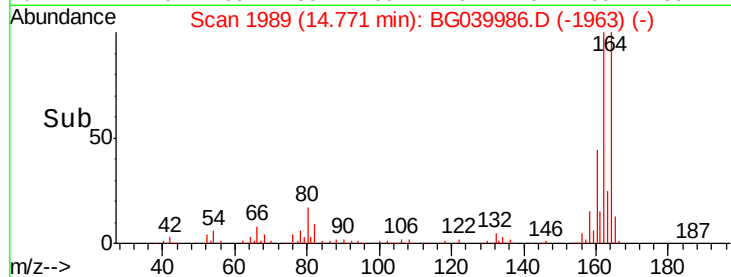
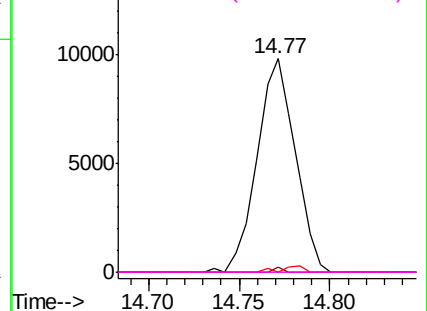
#57
 2,4-Dinitrotoluene
 Concen: 5.062 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Tgt Ion:	165	Resp:	14326
Ion	Ratio	Lower	Upper
165	100		
63	2.7	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

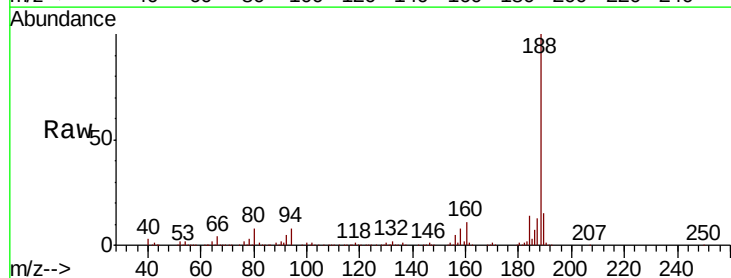


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

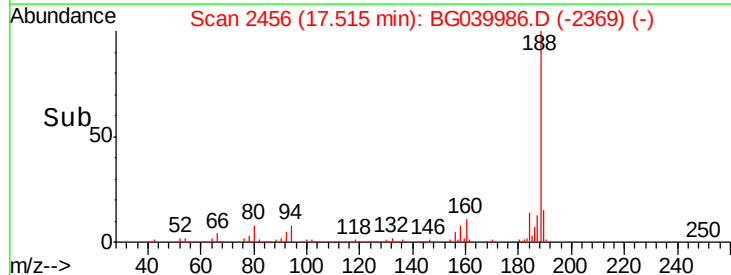
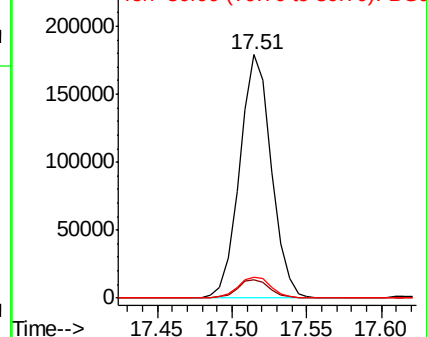


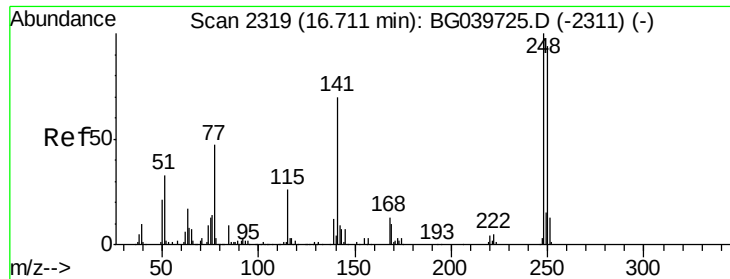
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Tgt Ion:	188	Resp:	263491
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.3	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

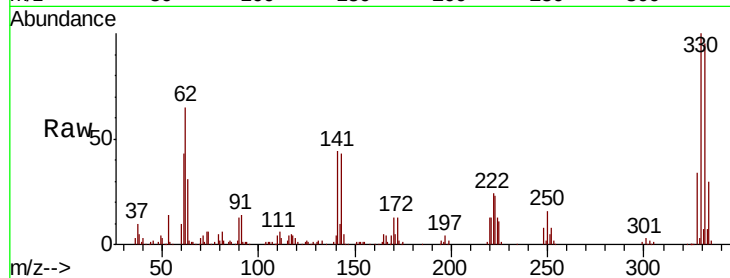




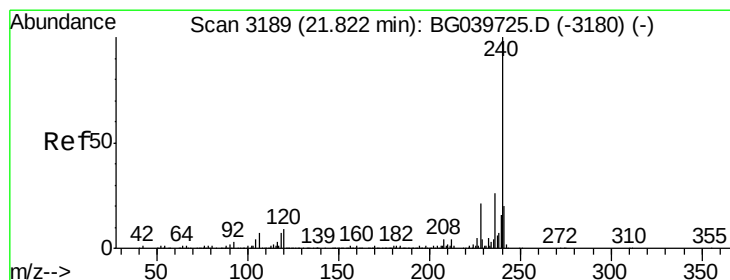
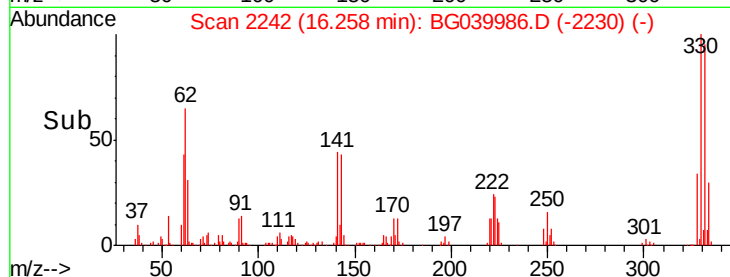
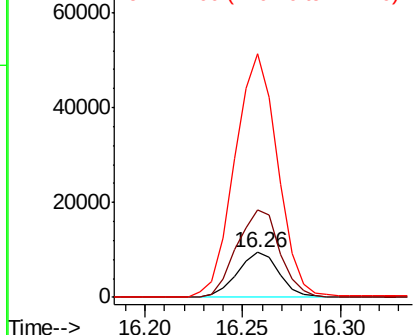
#67
 4-Bromophenyl-phenylether
 Concen: 4.763 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Instrument :
 BNA_G
 ClientSampleId :
 W-2

Tgt Ion:248 Resp: 14047
 Ion Ratio Lower Upper
 248 100
 250 195.0 77.6 116.4#
 141 539.2 63.9 95.9#

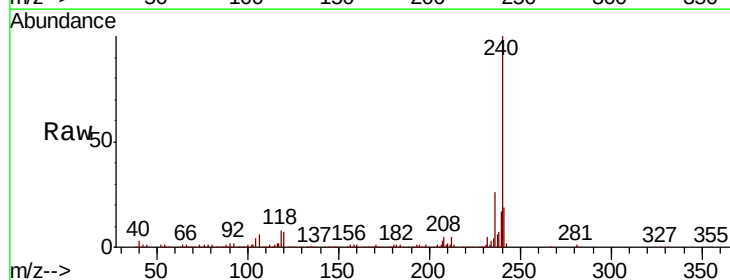


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

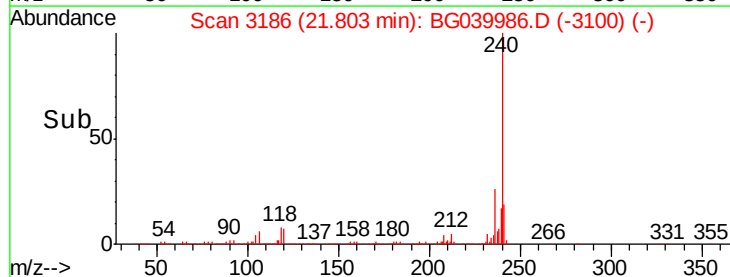
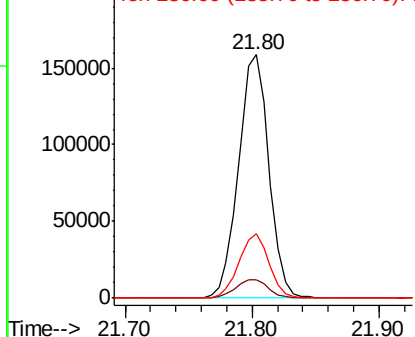


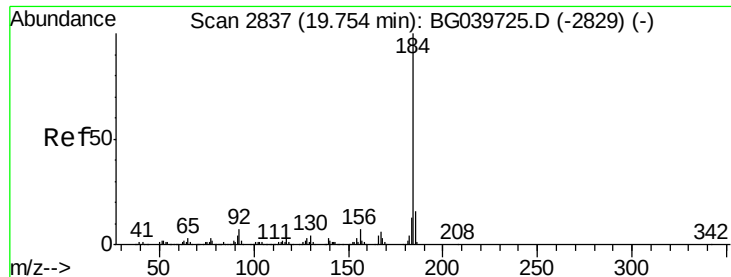
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.03 min
 Lab File: BG039986.D
 Acq: 19 Mar 2019 1:50

Tgt Ion:240 Resp: 263756
 Ion Ratio Lower Upper
 240 100
 120 7.5 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: 2.223 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

Instrument :

BNA_G

ClientSampleId :

W-2

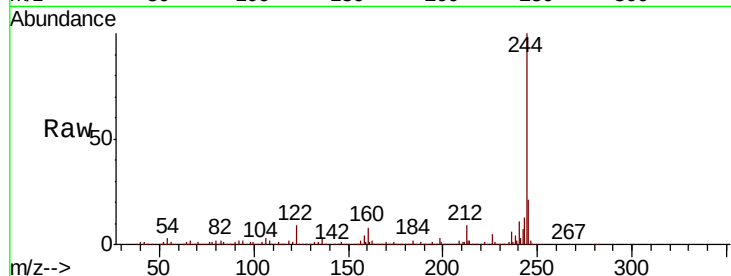
Tgt Ion:184 Resp: 18609

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

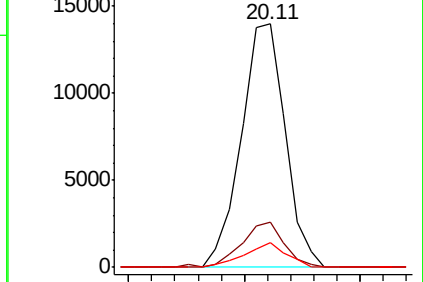
183 10.3 10.6 15.8#



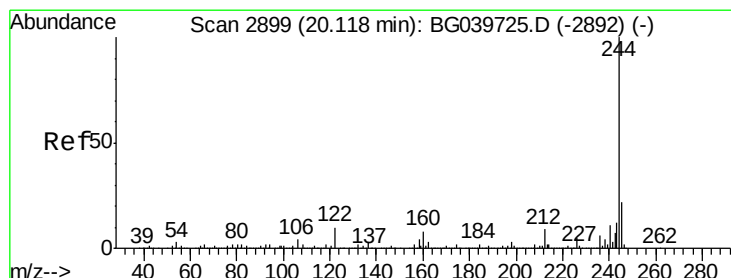
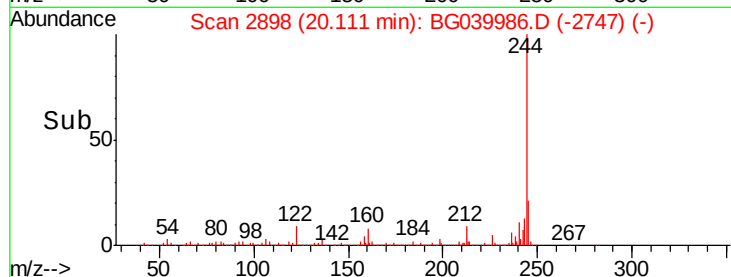
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 20.05 20.10 20.15



#79

Terphenyl-d14

Concen: 85.106 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039986.D

Acq: 19 Mar 2019 1:50

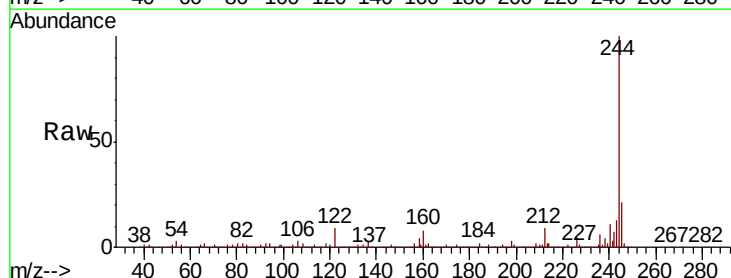
Tgt Ion:244 Resp: 1019493

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

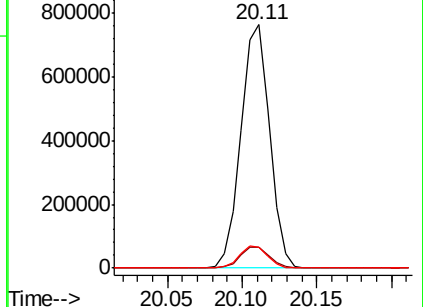
122 8.5 8.4 12.6



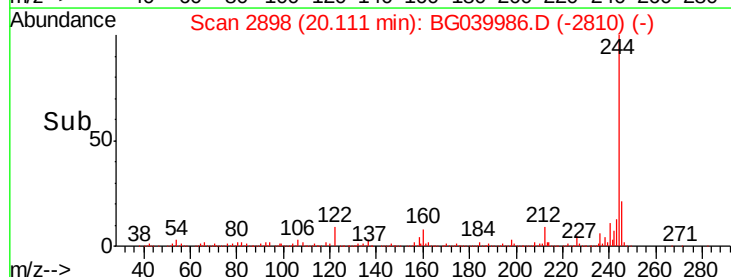
Abundance Ion 244.00 (243.70 to 244.70): E

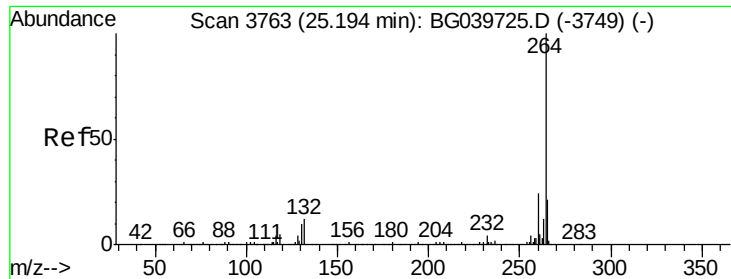
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.05 20.10 20.15





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3758
Delta R.T. -0.04 min
Lab File: BG039986.D
Acq: 19 Mar 2019 1:50

Instrument :
BNA_G
ClientSampleId :
W-2

Tgt Ion: 264 Resp: 261778
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.4
265 21.3 18.5 27.7

