

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
 Data File : BG040172.D
 Acq On : 27 Mar 2019 7:41
 Operator : JU/SJ
 Sample : K2081-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 13:44:28 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

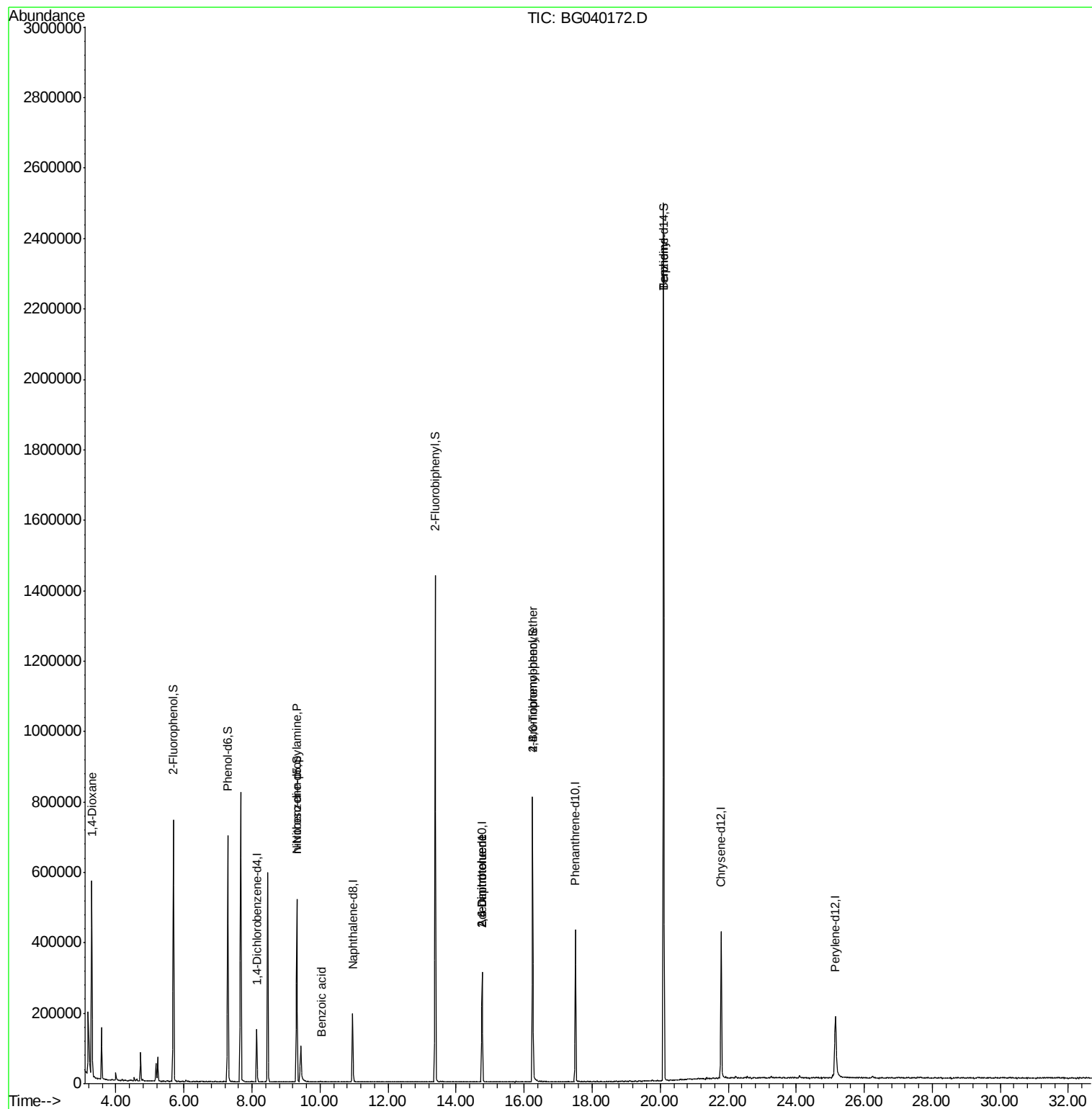
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	40987	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	168174	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	115030	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	273543	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	278774	20.00	ng	-0.04
87) Perylene-d12	25.15	264	256042	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	314098	130.74	ng	-0.02
7) Phenol-d6	7.29	99	403055	112.51	ng	-0.02
23) Nitrobenzene-d5	9.31	82	311221	100.09	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	154554	115.27	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	766763	94.91	ng	-0.03
79) Terphenyl-d14	20.10	244	1198686	94.67	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.29	88	5571	5.023	ng	# 1
19) n-Nitroso-di-n-propylamine	9.31	70	41212	15.983	ng	# 66
32) Benzoic acid	10.04	122	60	6.629	ng	# 1
51) 2,6-Dinitrotoluene	14.76	165	14727	7.222	ng	# 22
57) 2,4-Dinitrotoluene	14.76	165	14727	5.140	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	12117	3.957	ng	# 1
77) Benzidine	20.10	184	21451	2.425	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Instrument :

BNA_G

ClientSampled :

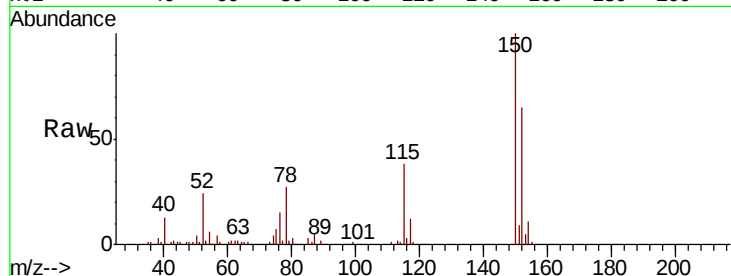
Tot Ion:152 Resp: 40987

Ion Ratio Lower Upper

152 100

150 152.7 123.7 185.5

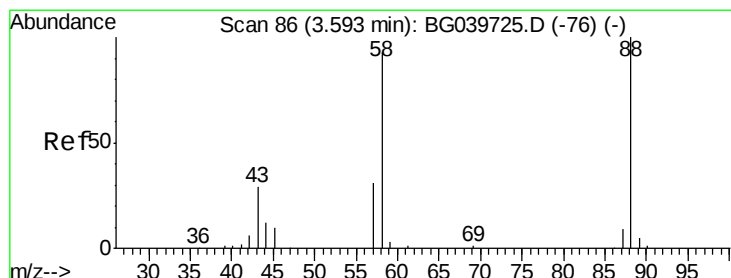
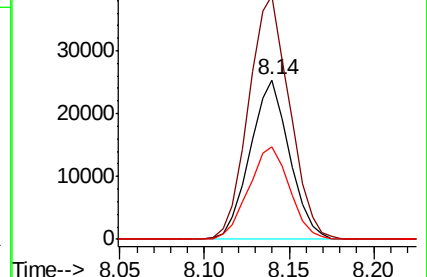
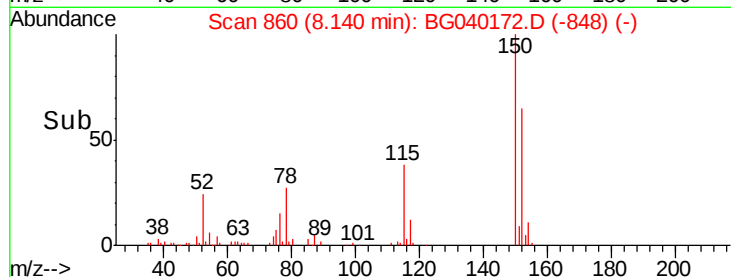
115 57.8 45.9 68.9



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



#2

1,4-Dioxane

Concen: 5.023 ng

RT: 3.29 min Scan# 34

Delta R.T. -0.32 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

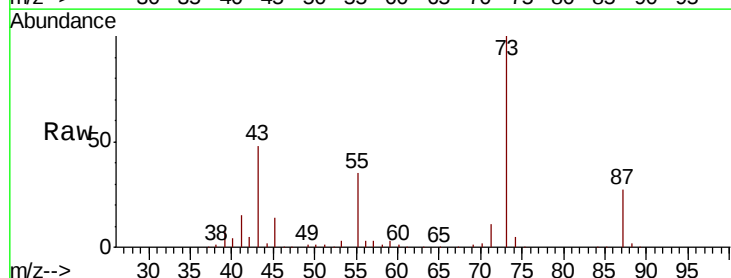
Tgt Ion: 88 Resp: 5571

Ion Ratio Lower Upper

88 100

58 40.2 81.1 121.7#

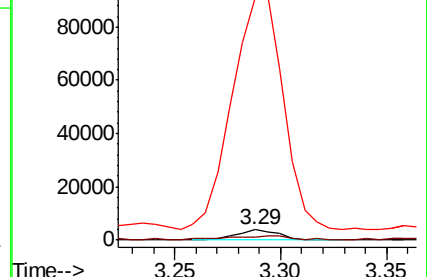
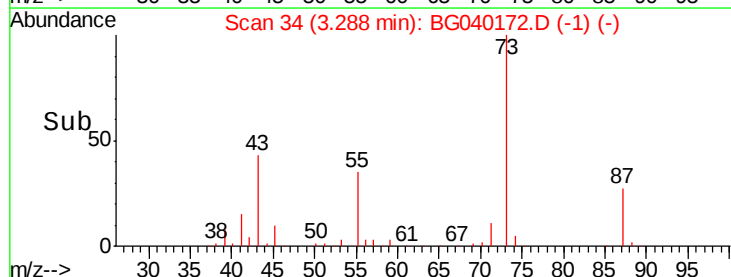
43 2644.6 31.4 47.0#

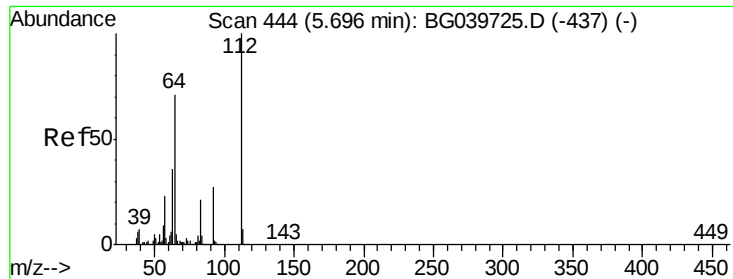


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.738 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Instrument :

BNA_G

ClientSampled :

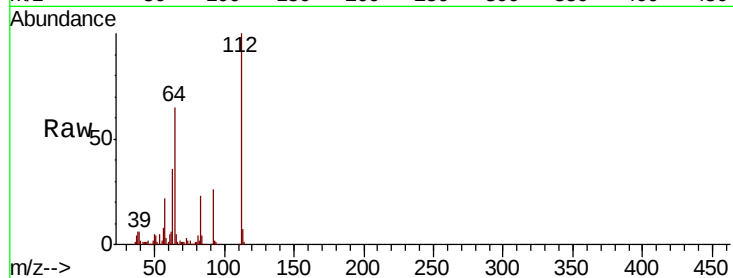
Tot Ion:112 Resp: 314098

Ion Ratio Lower Upper

112 100

64 65.4 57.8 86.8

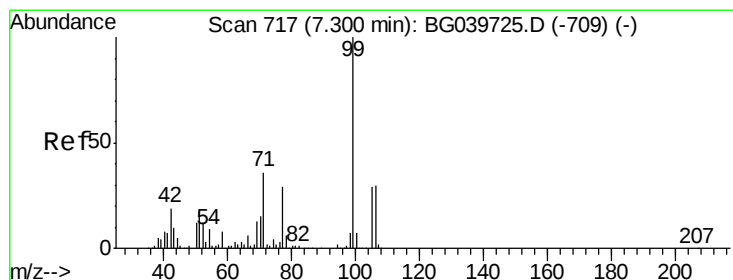
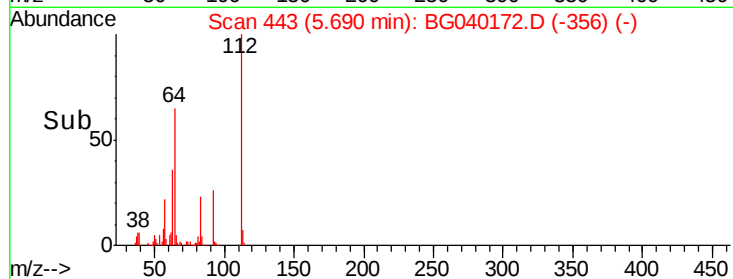
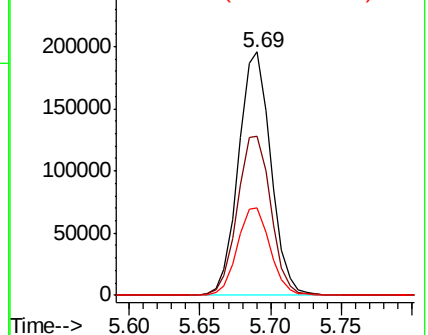
63 36.0 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 112.514 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

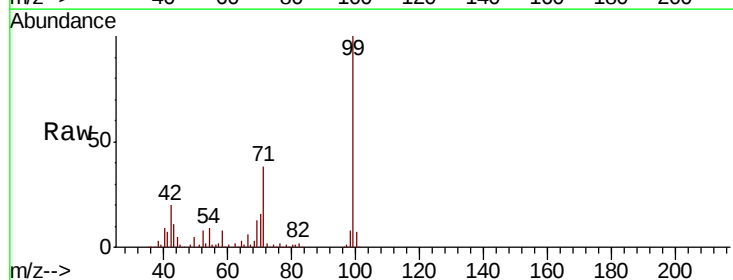
Tgt Ion: 99 Resp: 403055

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

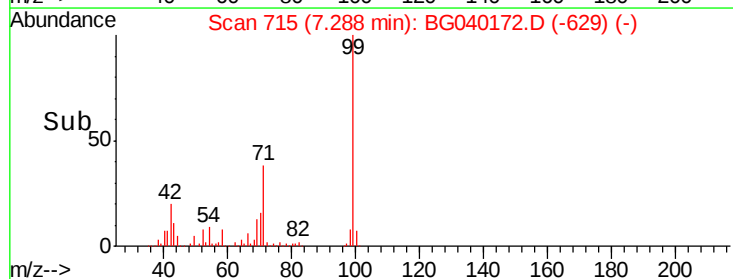
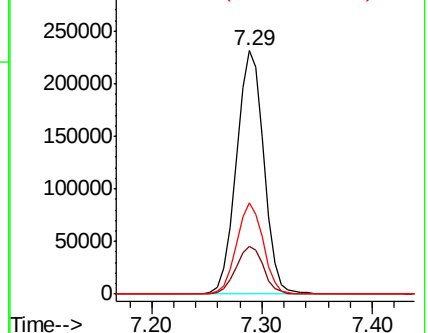
71 37.6 28.0 42.0

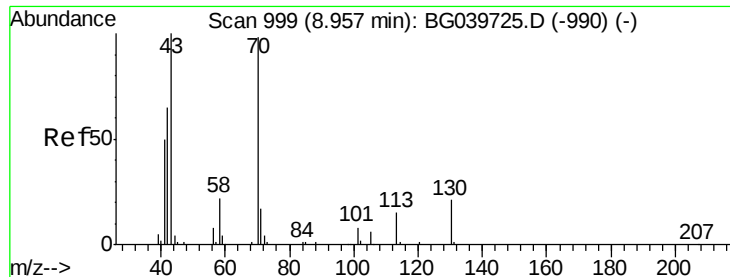


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.983 ng

RT: 9.31 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 41212

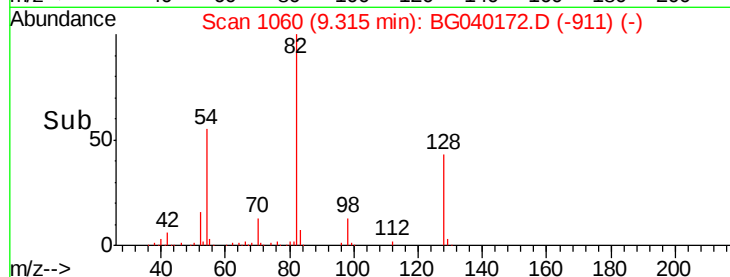
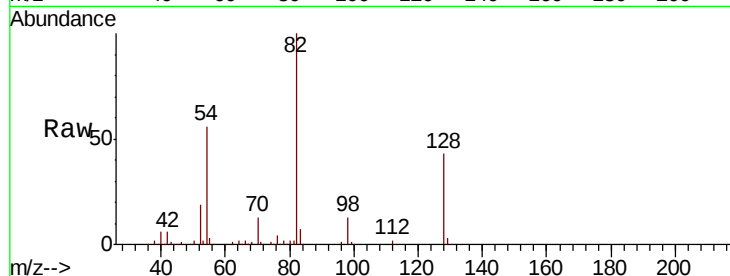
Ion Ratio Lower Upper

70 100

42 47.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

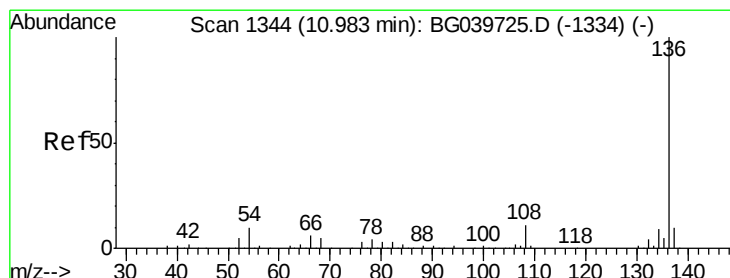
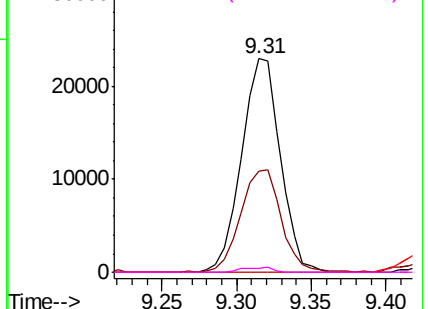


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Tgt Ion: 136 Resp: 168174

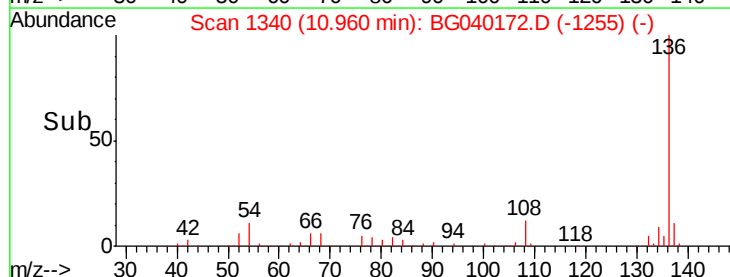
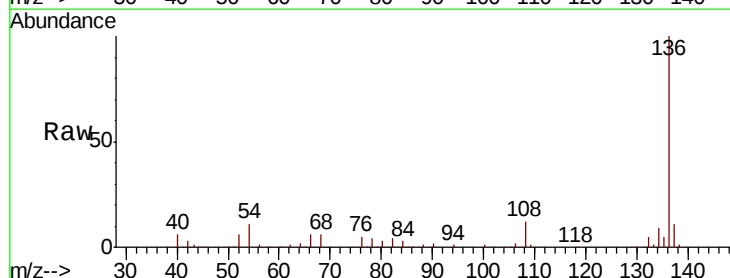
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.7 9.4 14.2

68 6.4 4.2 6.4#

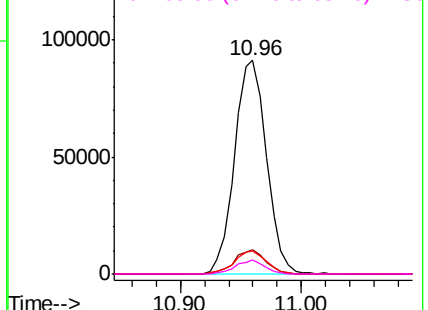


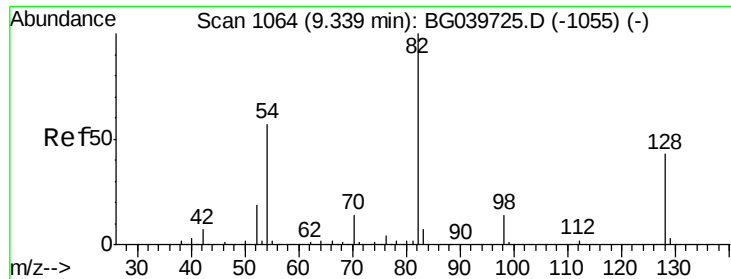
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

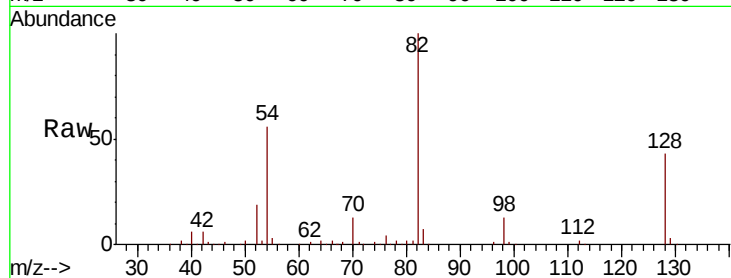




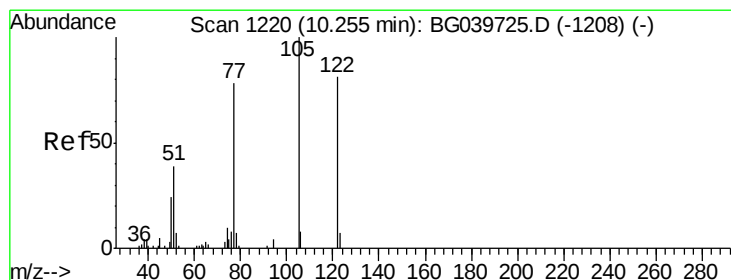
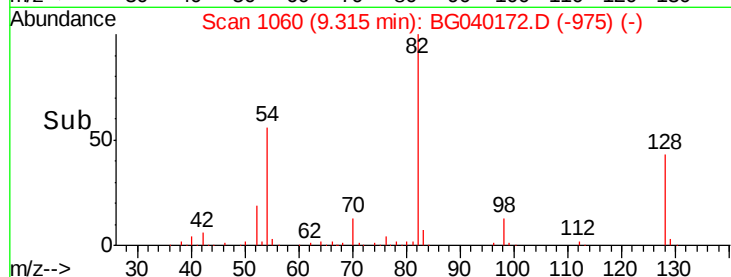
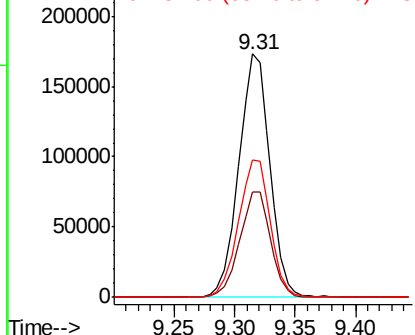
#23
 Nitrobenzene-d5
 Concen: 100.087 ng
 RT: 9.31 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	311221
Ion Ratio	100	Lower	Upper
128	43.1	31.3	46.9
54	56.3	50.9	76.3

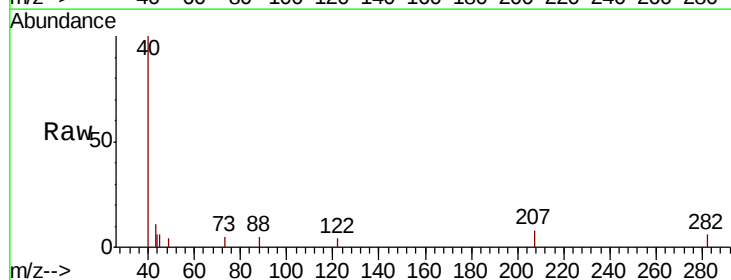


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

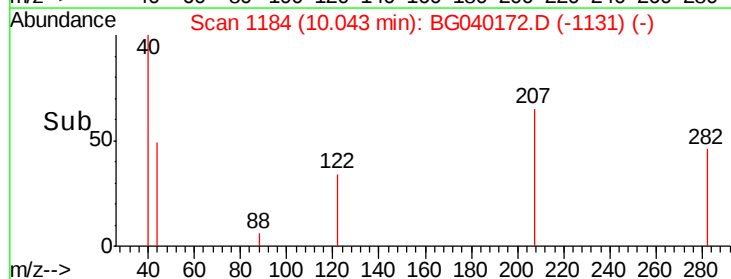
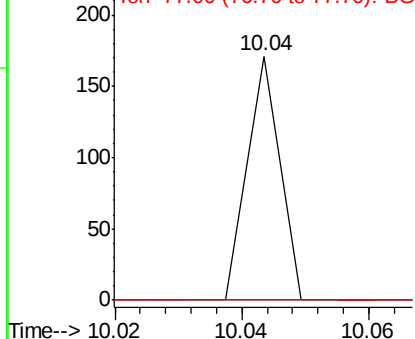


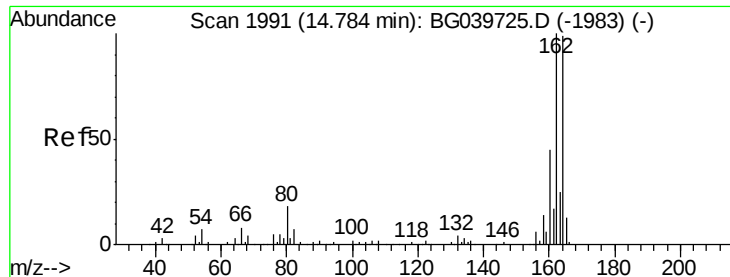
#32
 Benzoic acid
 Concen: 6.629 ng
 RT: 10.04 min Scan# 1184
 Delta R.T. -0.22 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Tgt Ion	122	Resp	60
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Instrument :

BNA_G

ClientSampleId :

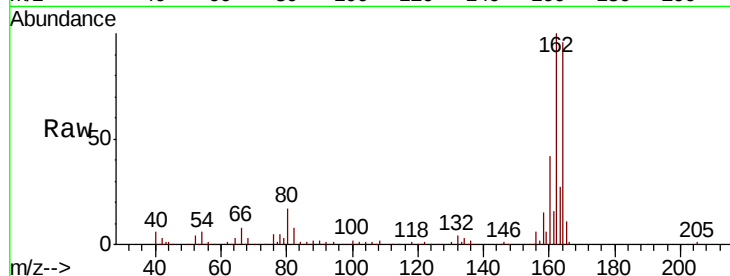
Tot Ion:164 Resp: 115030

Ion Ratio Lower Upper

164 100

162 103.9 81.6 122.4

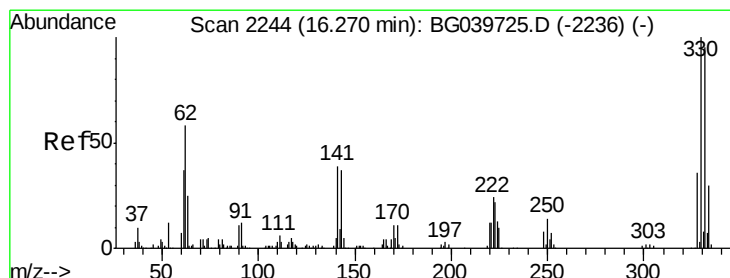
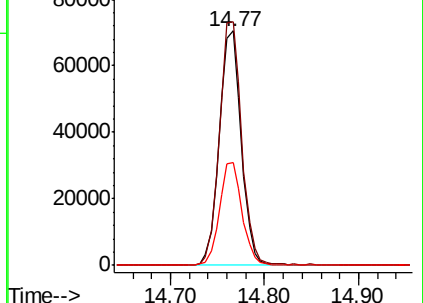
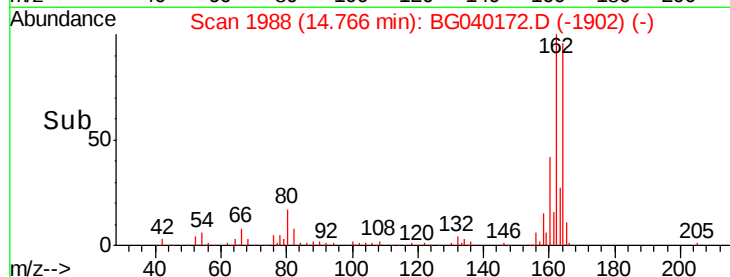
160 43.6 34.2 51.2



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: 115.273 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

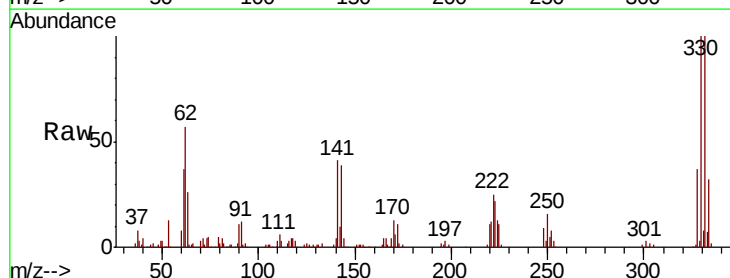
Tgt Ion:330 Resp: 154554

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

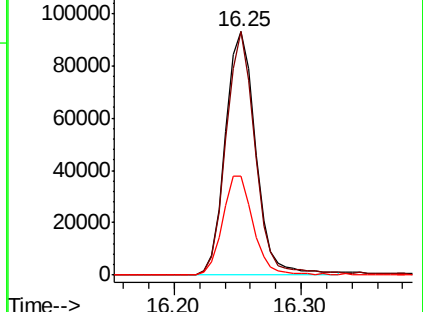
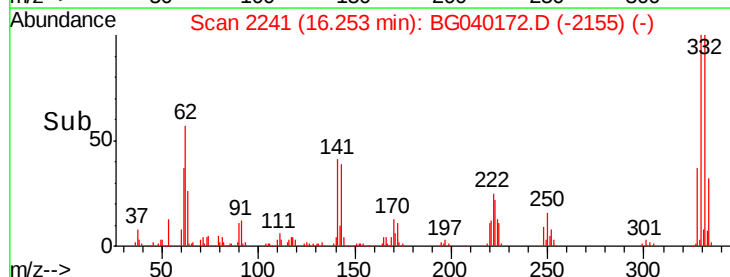
141 41.4 35.6 53.4

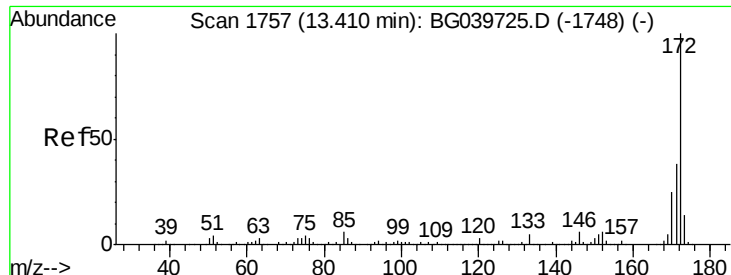


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

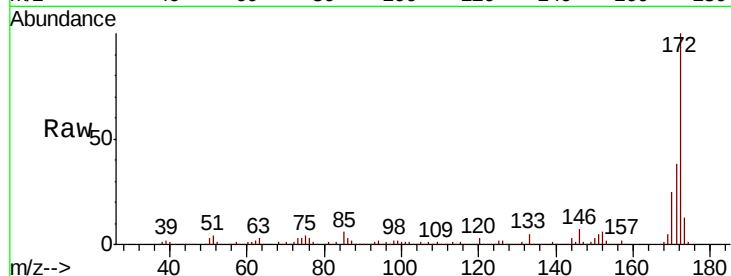




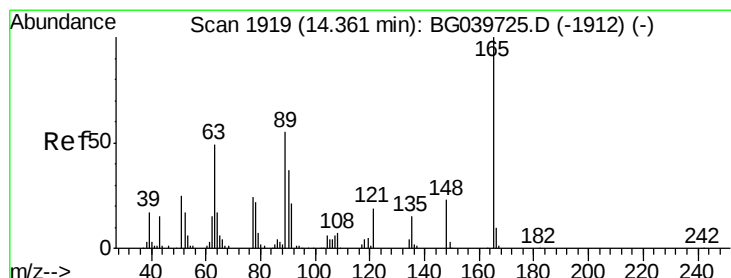
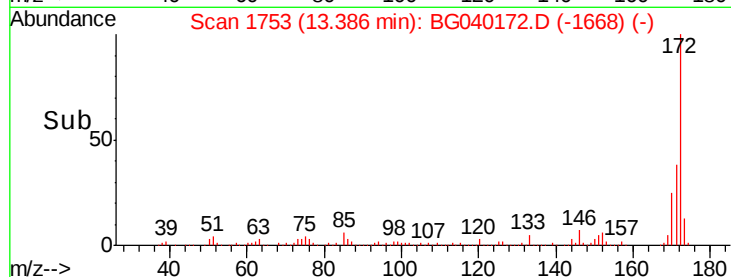
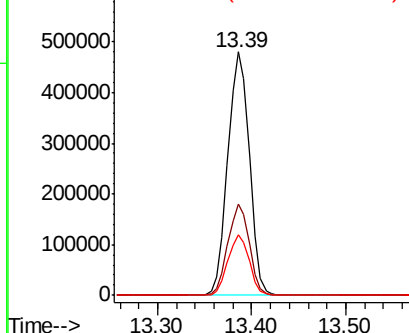
#45
 2-Fluorobiphenyl
 Concen: 94.909 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 766763
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 24.8 20.2 30.4

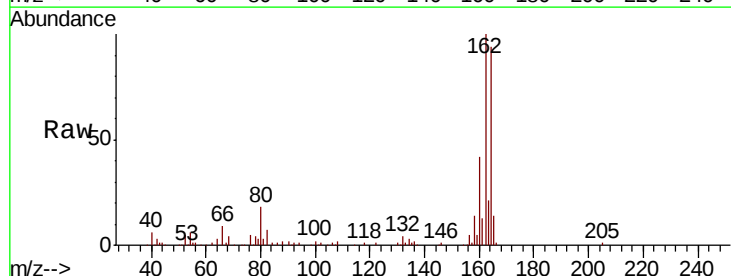


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

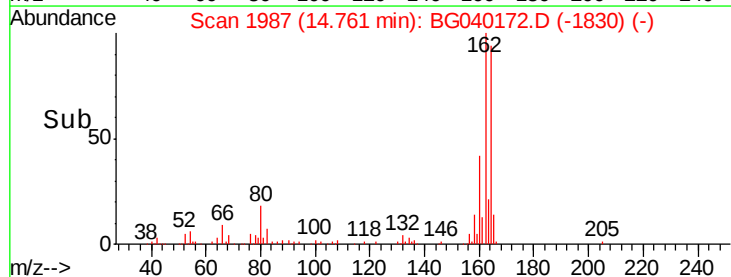
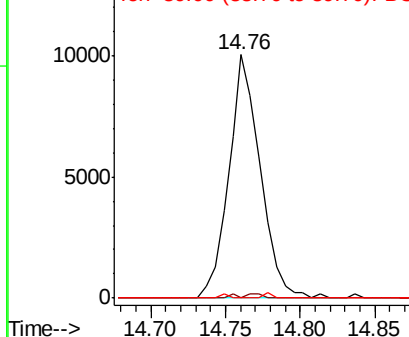


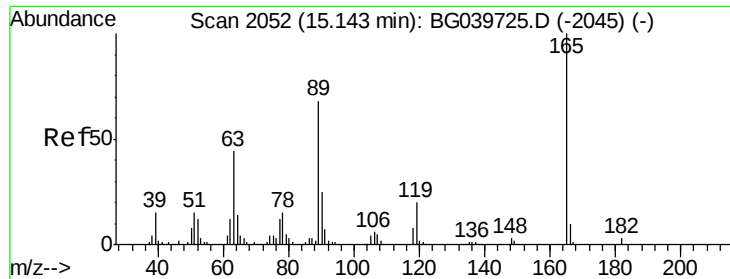
#51
 2,6-Dinitrotoluene
 Concen: 7.222 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.39 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Tgt Ion:165 Resp: 14727
 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): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

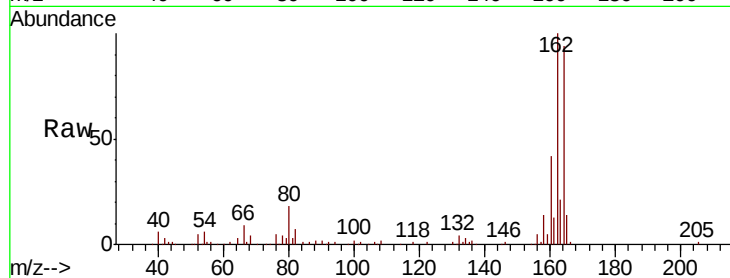




#57
 2,4-Dinitrotoluene
 Concen: 5.140 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.39 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#



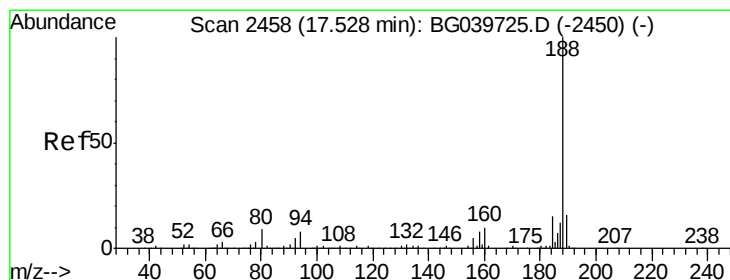
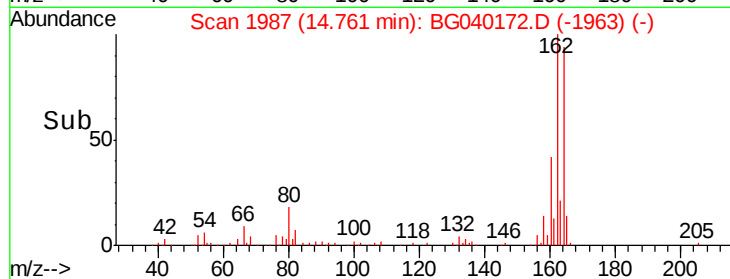
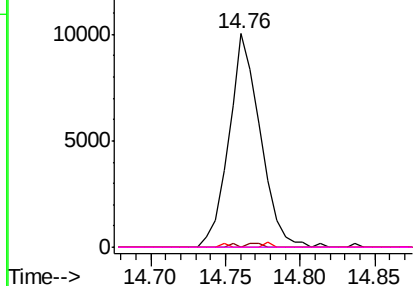
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

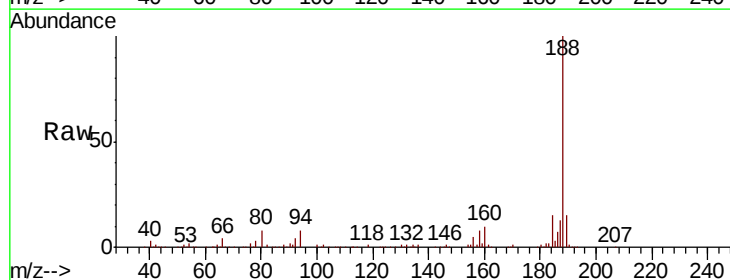
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040172.D
 Acq: 27 Mar 2019 7:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	7.7	8.1	12.1#

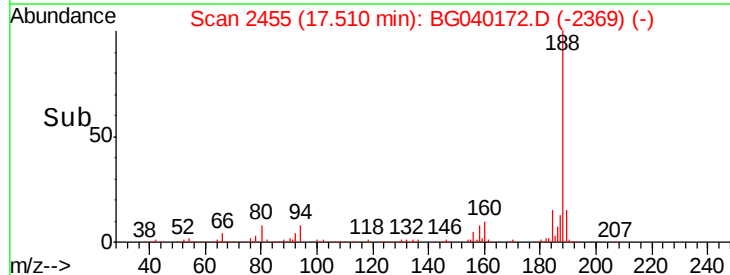
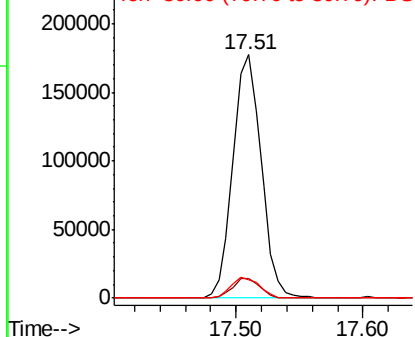


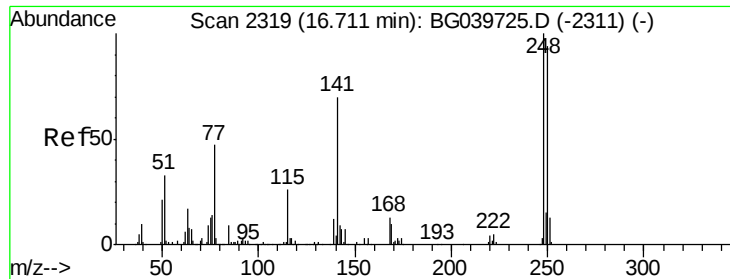
Abundance

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

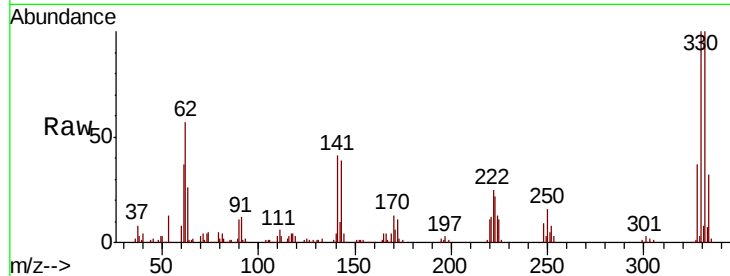




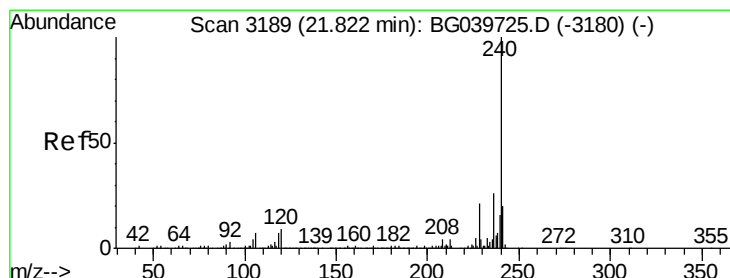
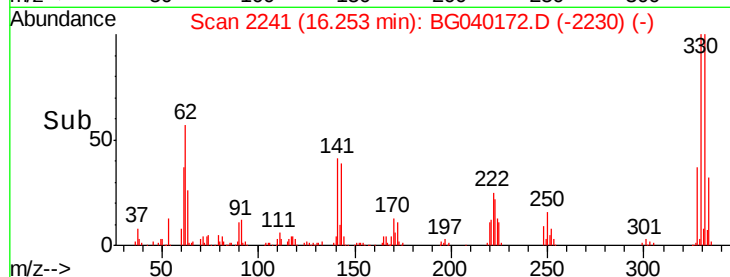
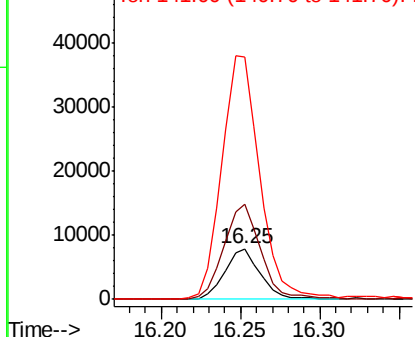
#67
4-Bromophenyl-phenylether
Concen: 3.957 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040172.D
Acq: 27 Mar 2019 7:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12117
Ion Ratio Lower Upper
248 100
250 185.9 77.6 116.4#
141 476.3 63.9 95.9#

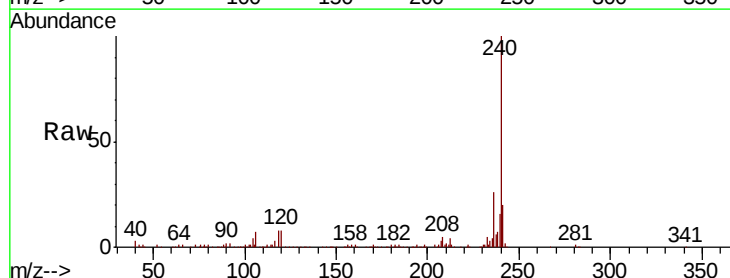


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

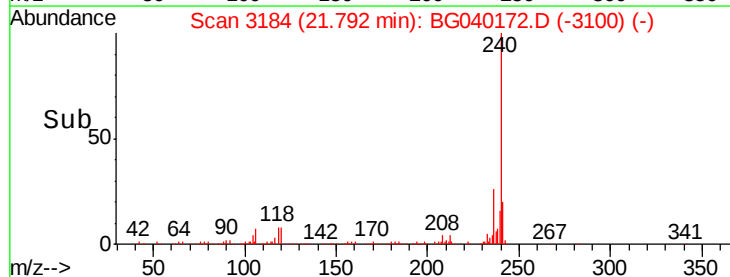
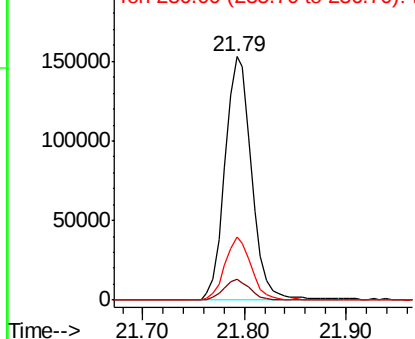


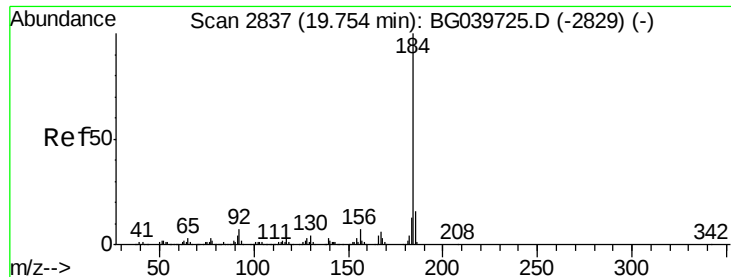
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040172.D
Acq: 27 Mar 2019 7:41

Tgt Ion:240 Resp: 278774
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.7 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: 2.425 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

Instrument :

BNA_G

ClientSampleId :

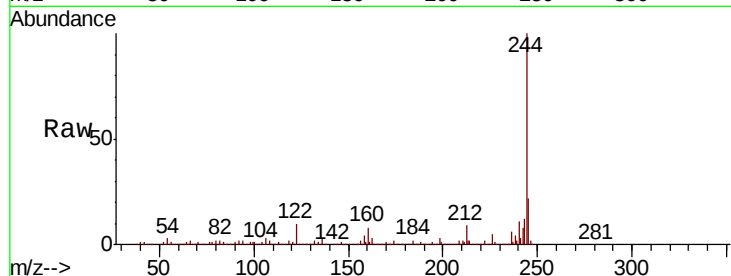
Tot Ion:184 Resp: 21451

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

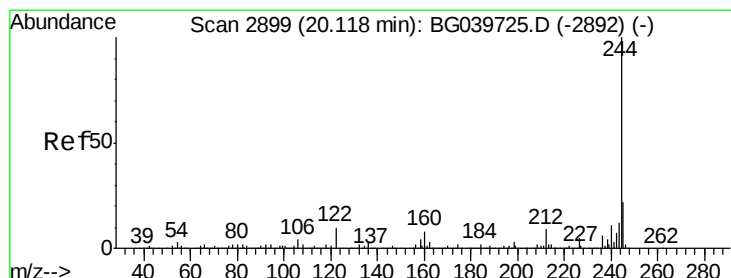
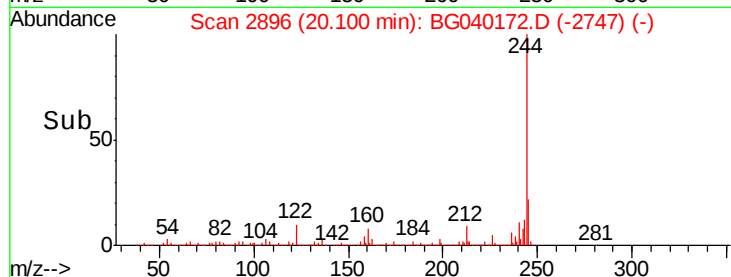
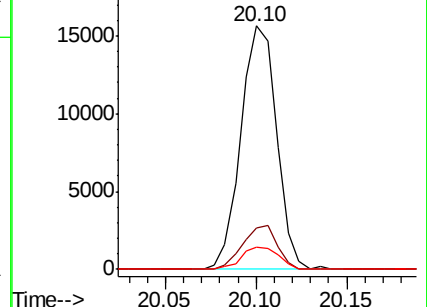
183 9.1 10.6 15.8#



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: 94.674 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040172.D

Acq: 27 Mar 2019 7:41

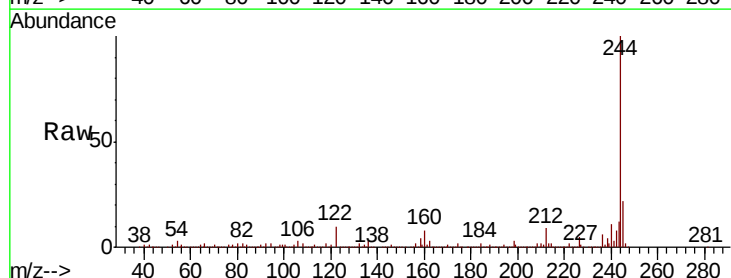
Tgt Ion:244 Resp: 1198686

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

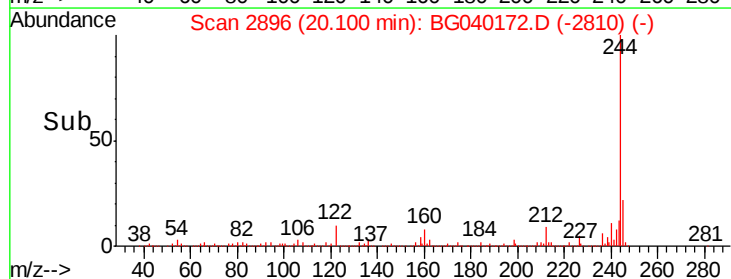
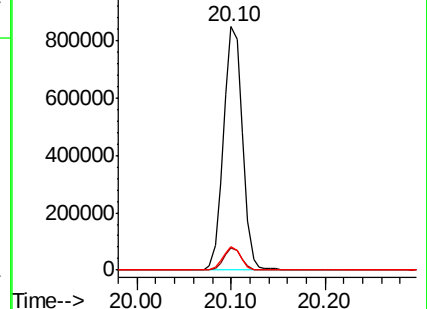
122 9.6 8.4 12.6

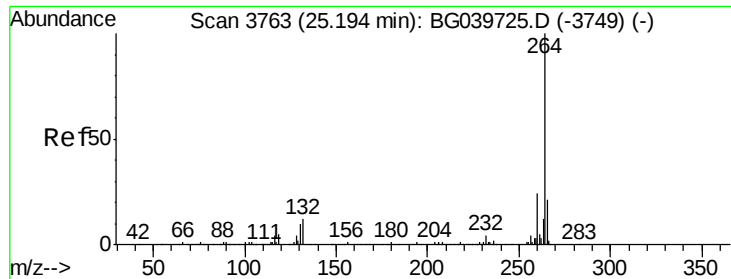


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040172.D
Acq: 27 Mar 2019 7:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 256042
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 24.2 18.5 27.7

