

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
 Data File : BG040026.D
 Acq On : 20 Mar 2019 6:35
 Operator : JU/SJ
 Sample : K1693-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031819-A

Quant Time: Mar 20 08:55:54 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

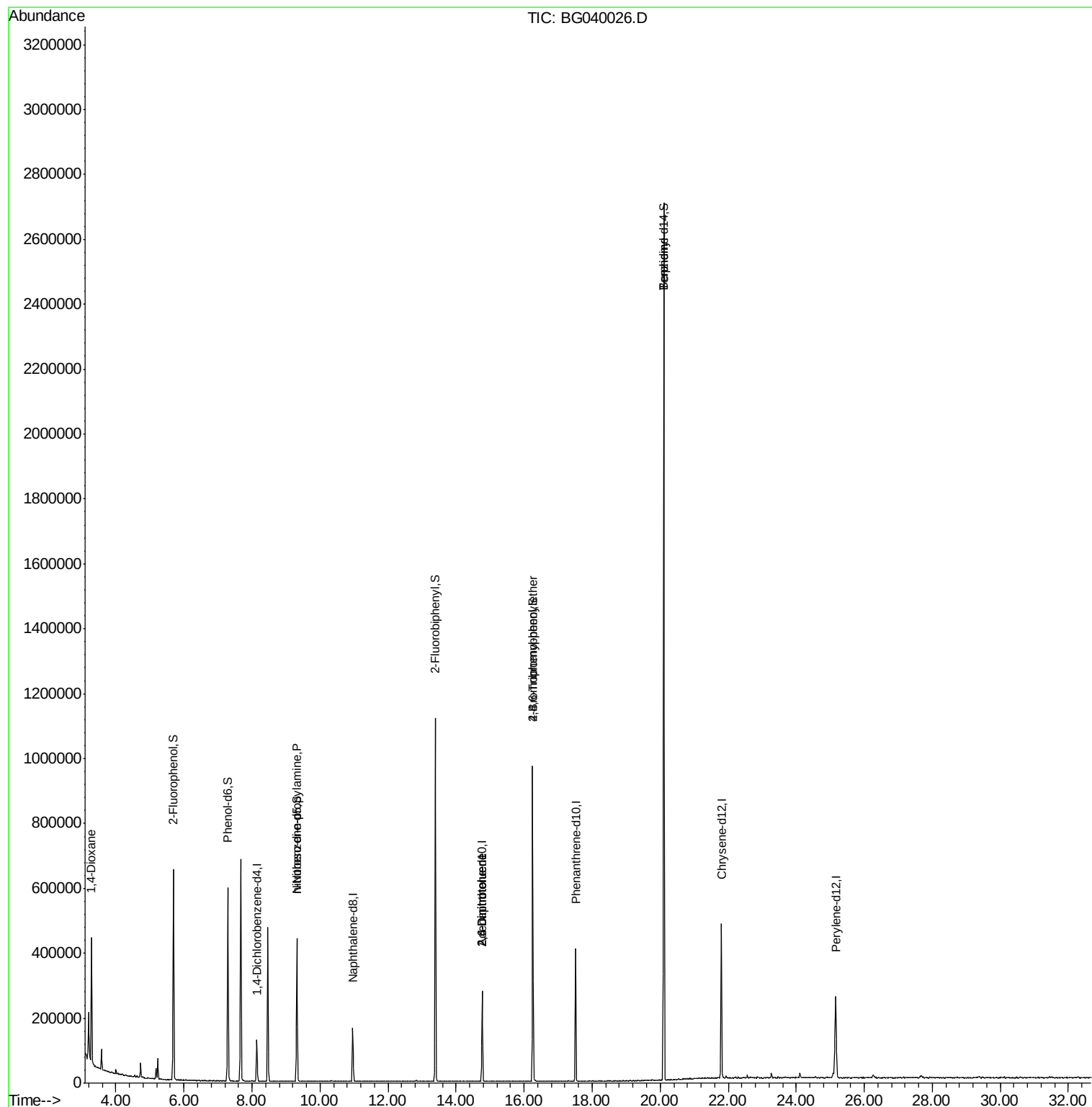
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	35564	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	142116	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	94467	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	255965	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	289933	20.00	ng	-0.03
87) Perylene-d12	25.16	264	282721	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	258625	124.06	ng	-0.02
7) Phenol-d6	7.29	99	336030	108.11	ng	-0.02
23) Nitrobenzene-d5	9.32	82	259001	98.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	163181	148.20	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	579249	87.31	ng	-0.02
79) Terphenyl-d14	20.11	244	1200242	91.15	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.28	88	2997	3.114	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	34173	15.274	ng	# 74
51) 2,6-Dinitrotoluene	14.77	165	12800	7.644	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	12800	5.440	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	13114	4.577	ng	# 1
77) Benzidine	20.11	184	22070	2.399	ng	# 89

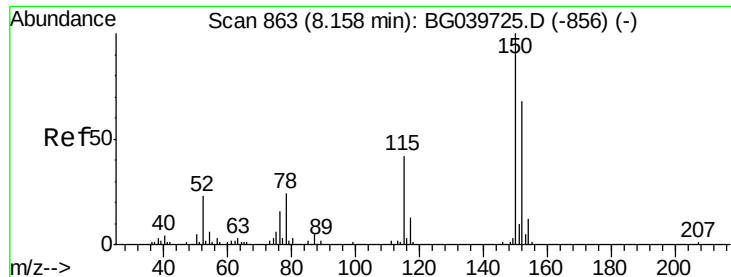
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Instrument :

BNA_G

ClientSampleId :

OR-03-031819-A

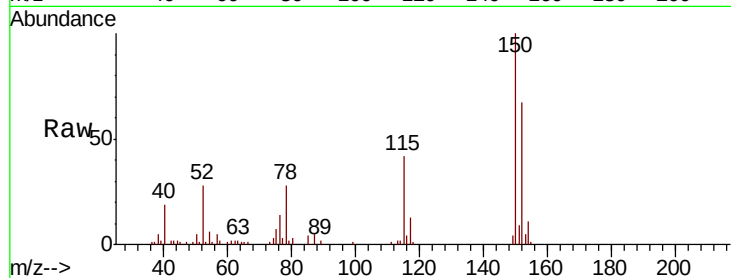
Tgt Ion:152 Resp: 35564

Ion Ratio Lower Upper

152 100

150 149.3 123.7 185.5

115 62.4 45.9 68.9

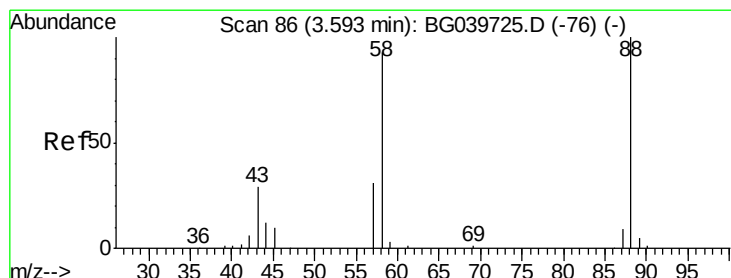
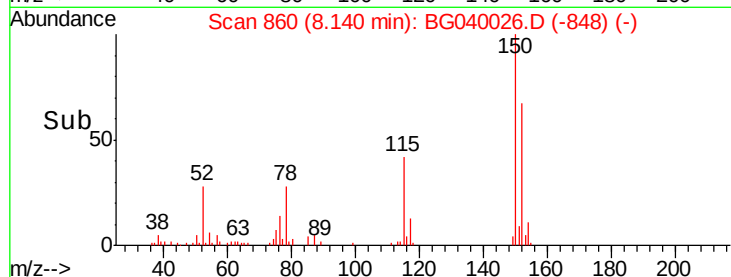
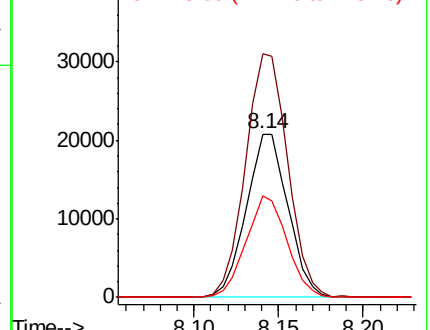


Abundance

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: 3.114 ng

RT: 3.28 min Scan# 33

Delta R.T. -0.32 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

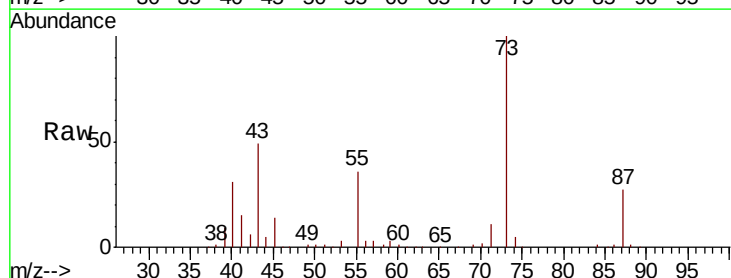
Tgt Ion: 88 Resp: 2997

Ion Ratio Lower Upper

88 100

58 66.4 81.1 121.7#

43 3094.4 31.4 47.0#

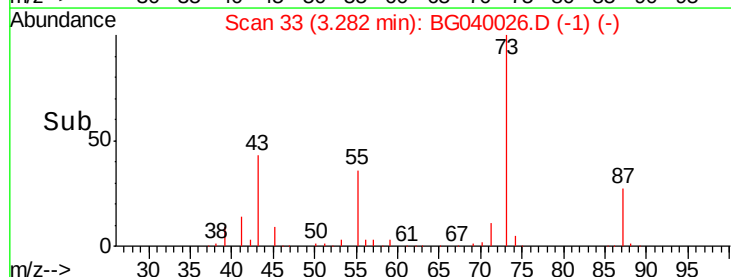
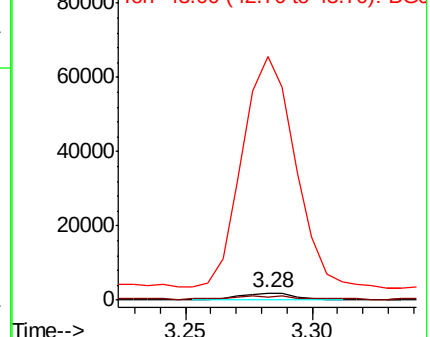


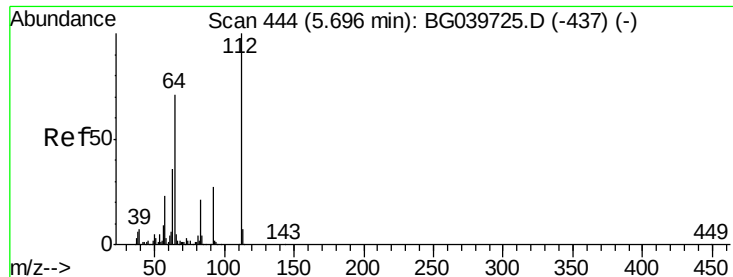
Abundance

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: 124.063 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Instrument :

BNA_G

ClientSampleId :

OR-03-031819-A

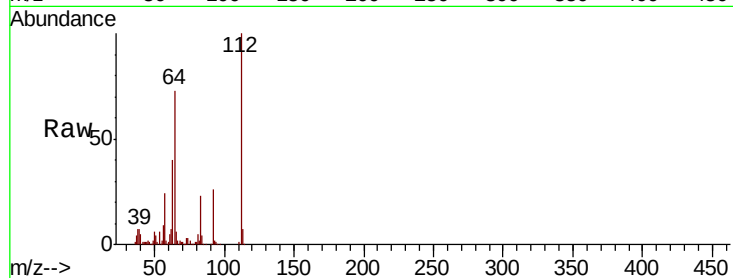
Tgt Ion: 112 Resp: 258625

Ion Ratio Lower Upper

112 100

64 72.9 57.8 86.8

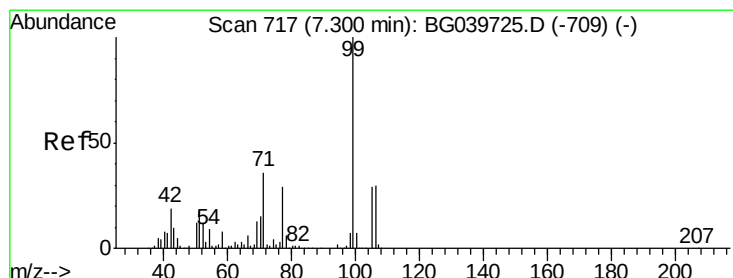
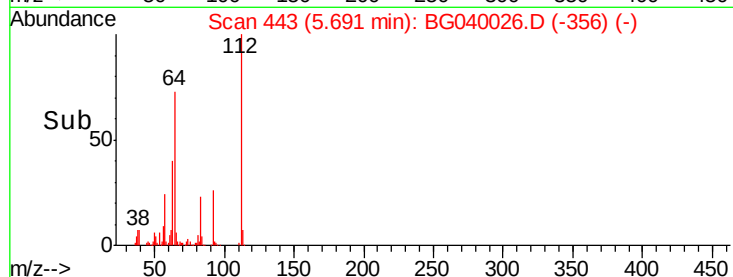
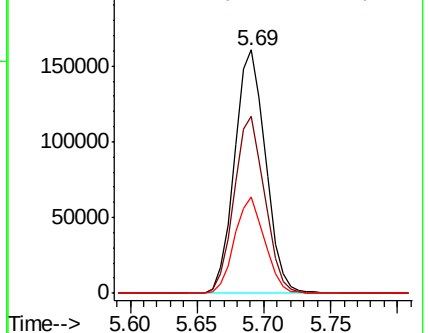
63 39.8 29.8 44.6



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: 108.107 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

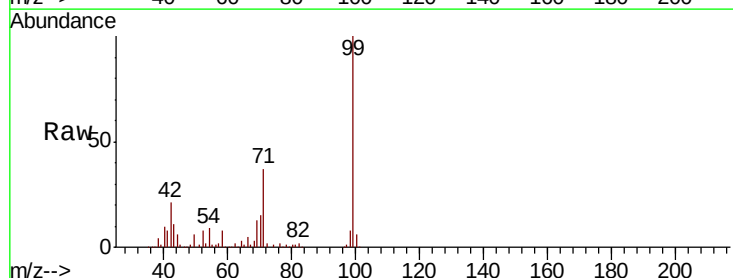
Tgt Ion: 99 Resp: 336030

Ion Ratio Lower Upper

99 100

42 21.4 18.2 27.2

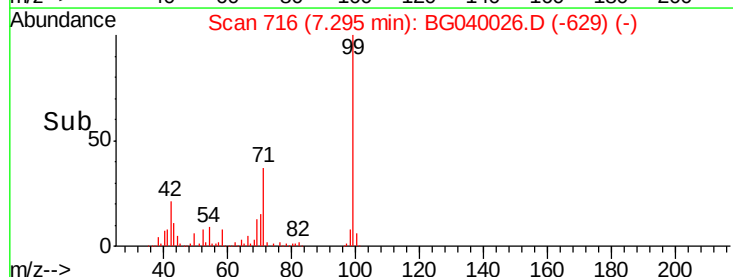
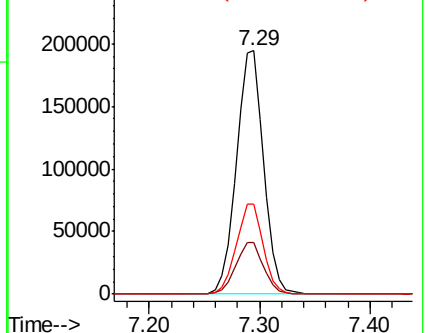
71 36.8 28.0 42.0

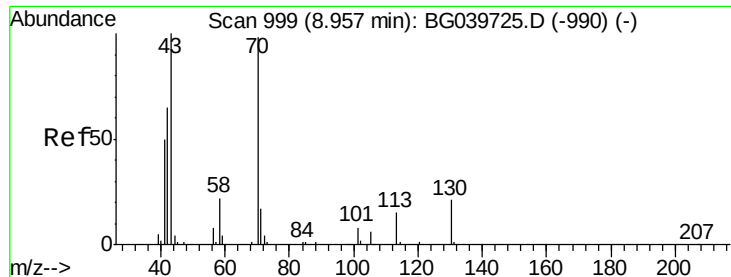


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.274 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Instrument :

BNA_G

ClientSampleId :

OR-03-031819-A

Tgt Ion: 70 Resp: 34173

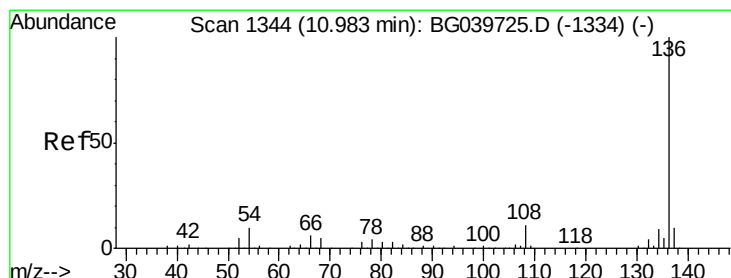
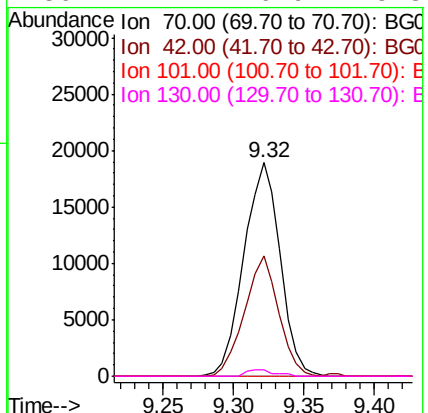
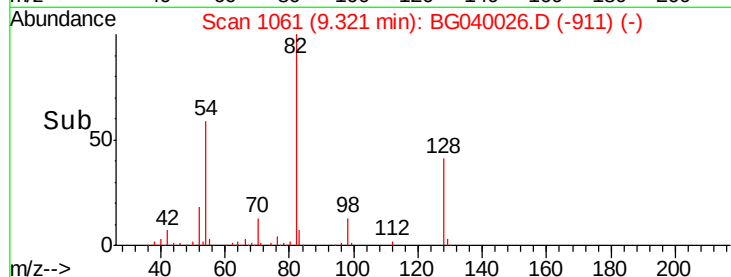
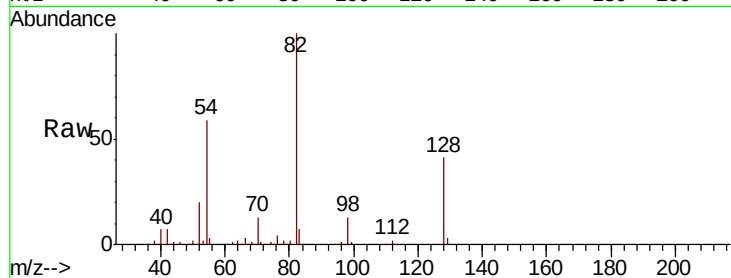
Ion Ratio Lower Upper

70 100

42 56.3 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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Tgt Ion: 136 Resp: 142116

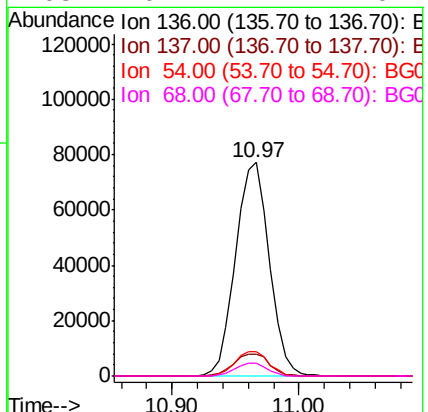
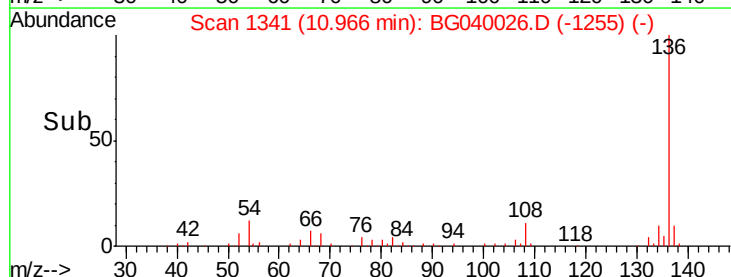
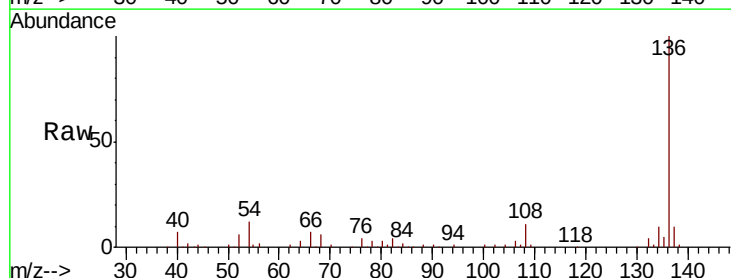
Ion Ratio Lower Upper

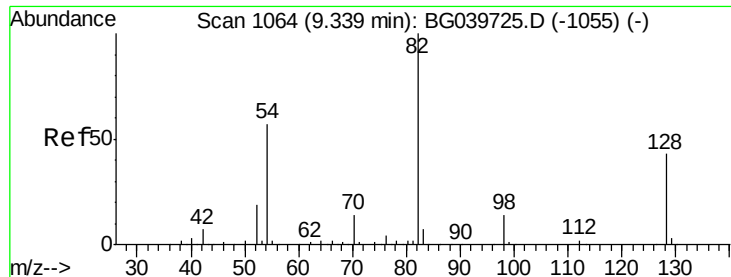
136 100

137 10.4 9.1 13.7

54 11.6 9.4 14.2

68 6.1 4.2 6.4

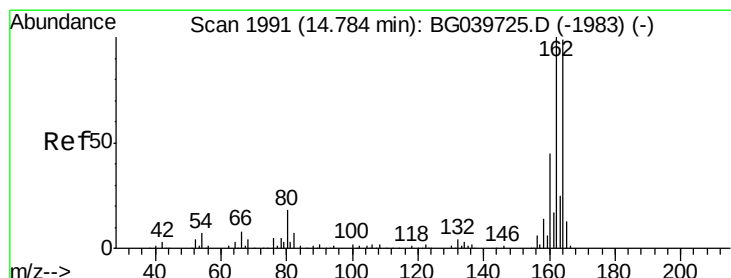
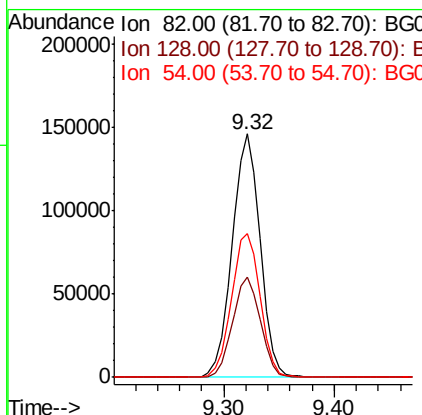
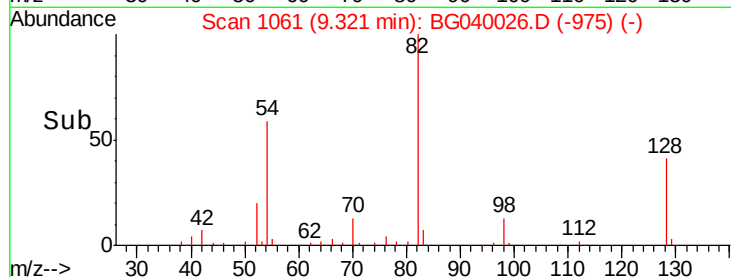
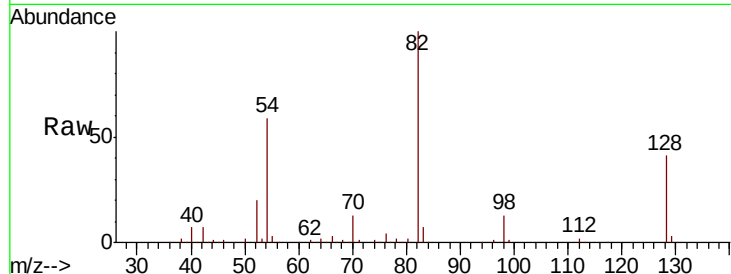




#23
 Nitrobenzene-d5
 Concen: 98.566 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

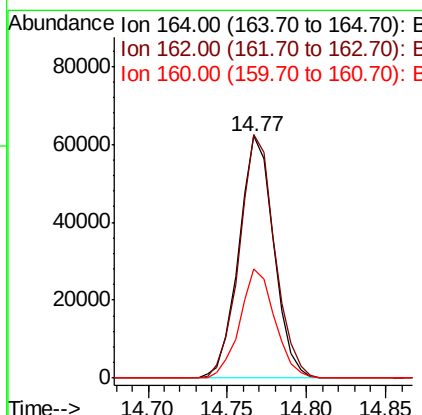
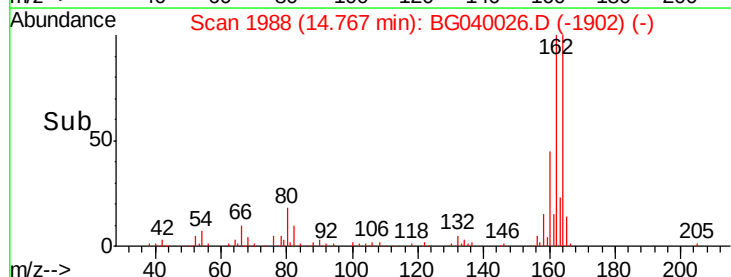
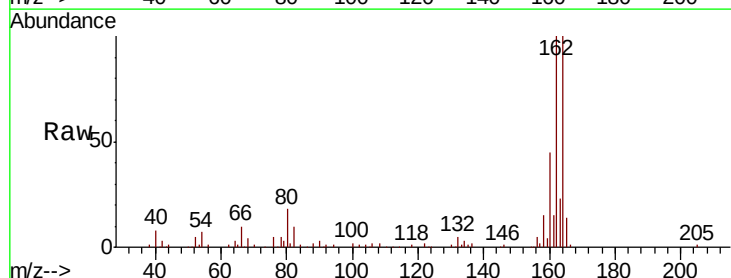
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031819-A

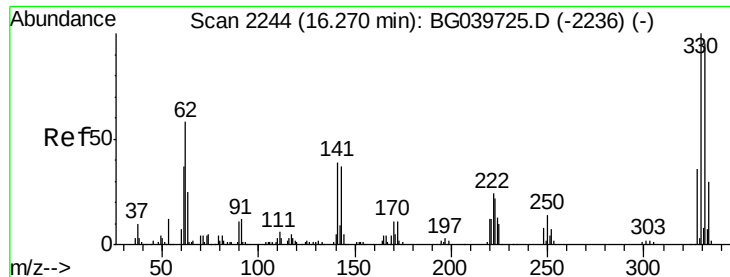
Tgt Ion: 82 Resp: 259001
 Ion Ratio Lower Upper
 82 100
 128 41.2 31.3 46.9
 54 59.3 50.9 76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

Tgt Ion: 164 Resp: 94467
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.6 122.4
 160 45.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 148.201 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Instrument :

BNA_G

ClientSampleId :

OR-03-031819-A

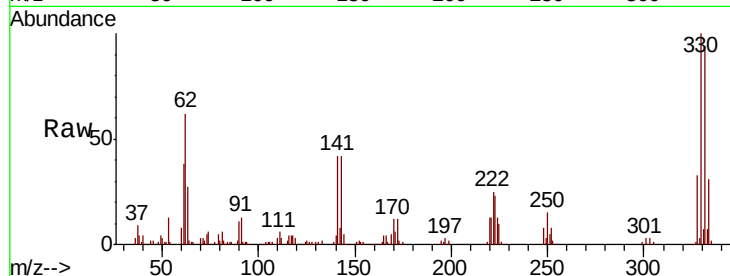
Tgt Ion:330 Resp: 163181

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

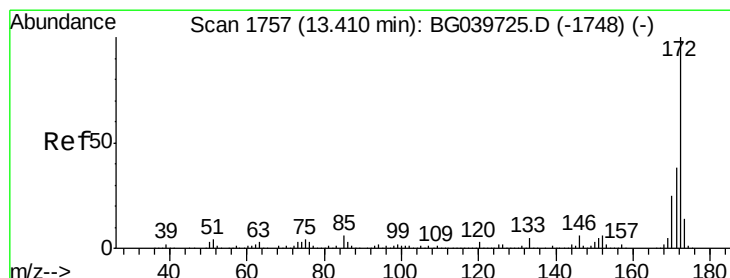
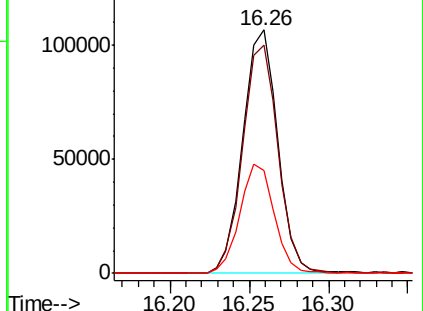
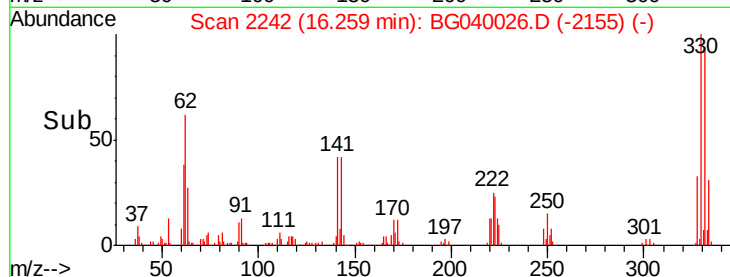
141 44.2 35.6 53.4



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: 87.306 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

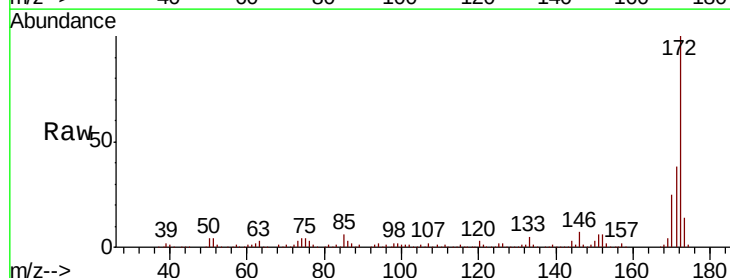
Tgt Ion:172 Resp: 579249

Ion Ratio Lower Upper

172 100

171 37.8 30.8 46.2

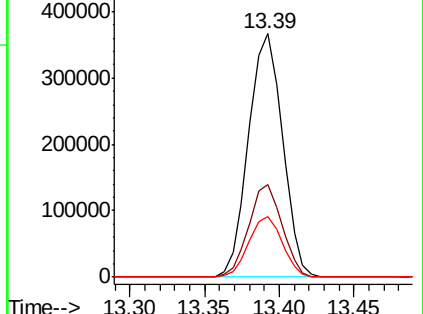
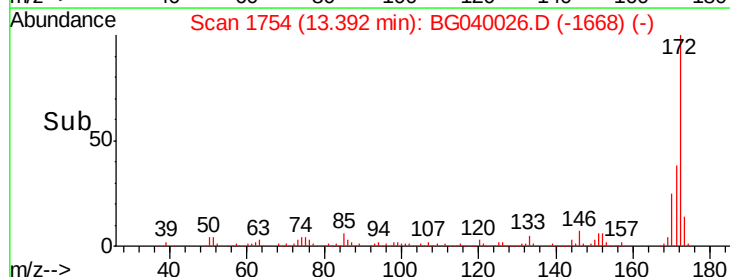
170 25.1 20.2 30.4

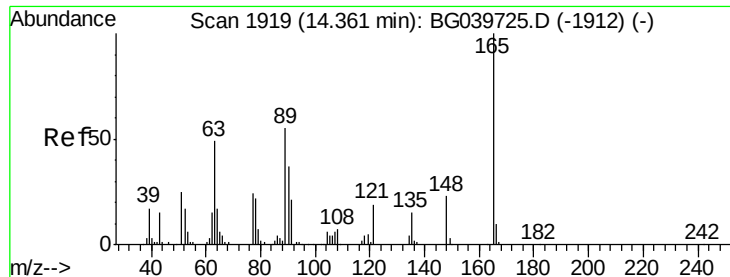


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

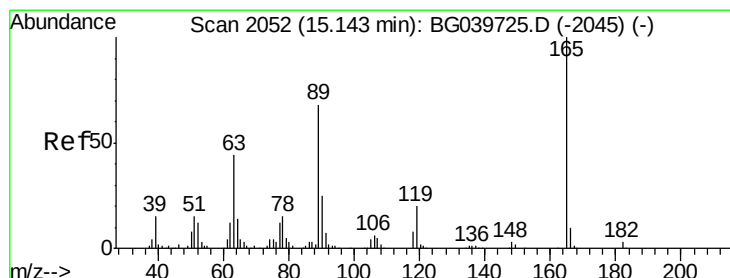
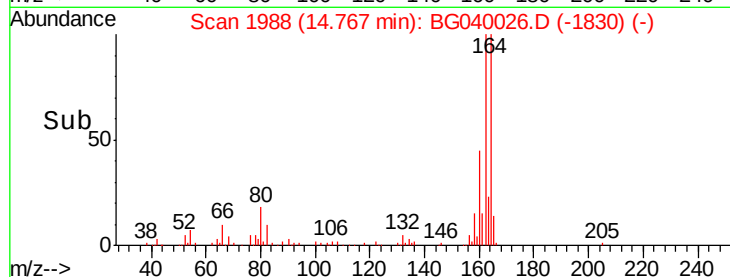
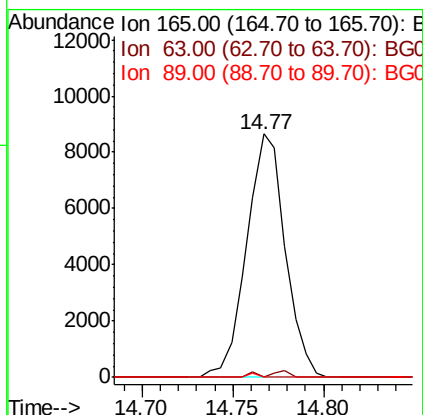
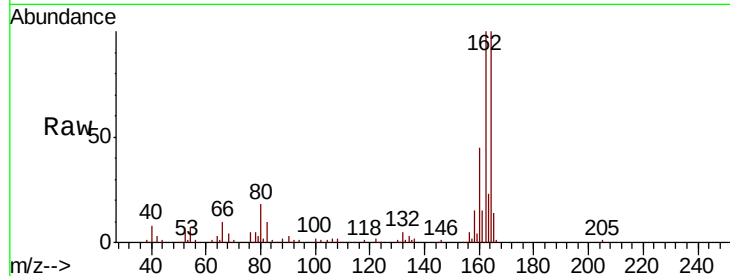




#51
 2,6-Dinitrotoluene
 Concen: 7.644 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

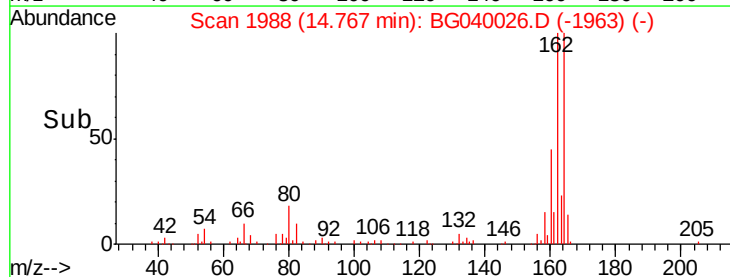
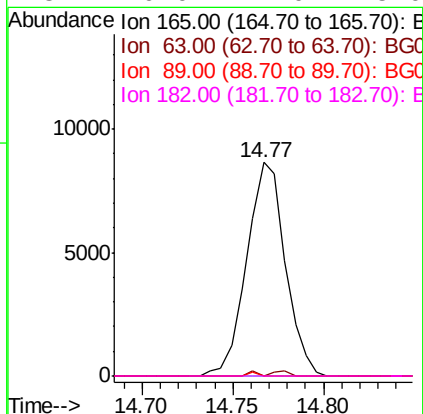
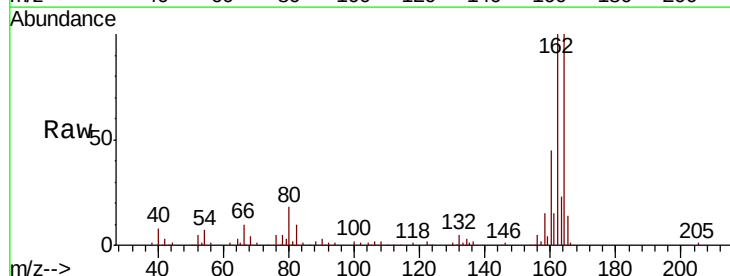
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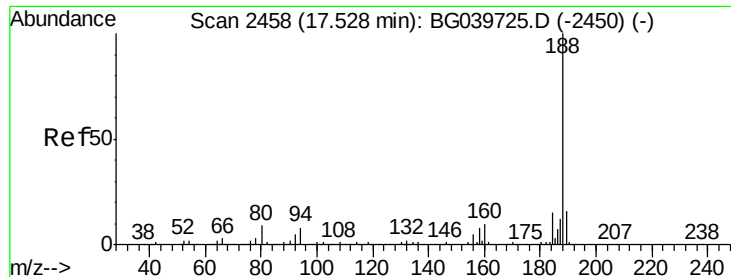
Tgt Ion:165 Resp: 12800
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.440 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

Tgt Ion:165 Resp: 12800
 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#

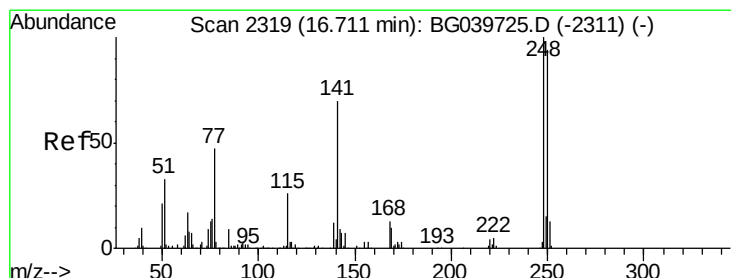
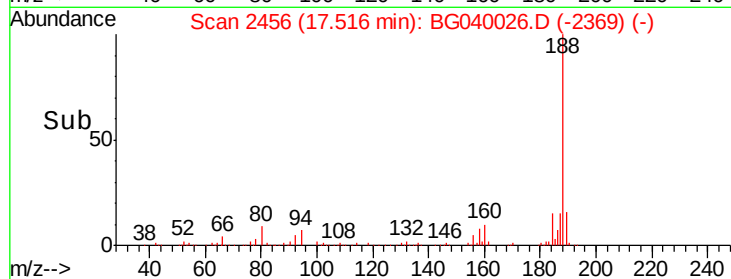
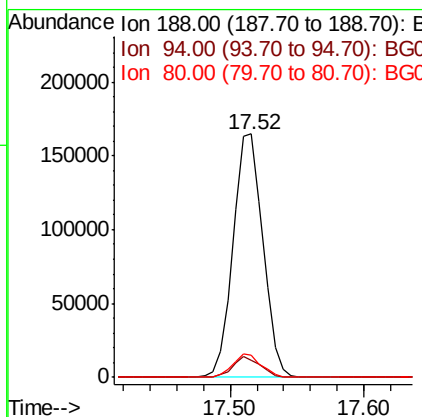
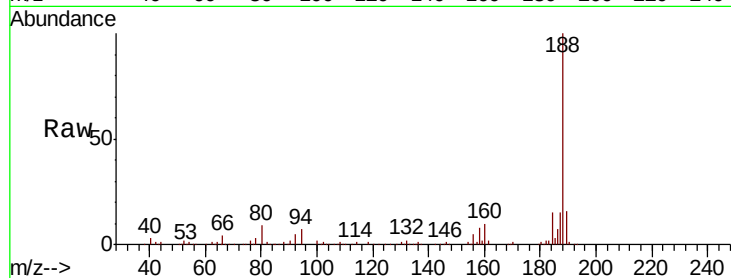




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

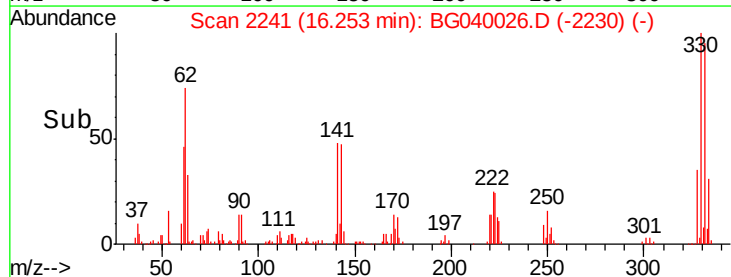
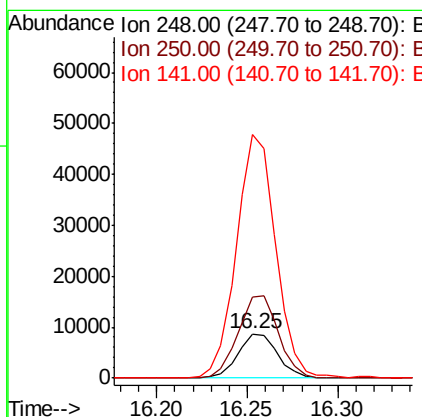
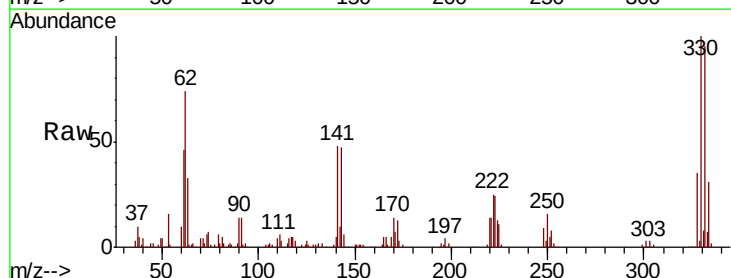
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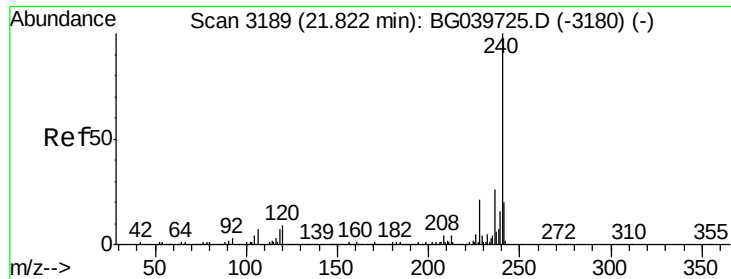
Tgt Ion:188 Resp: 255965
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.9 10.3
 80 9.2 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.577 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040026.D
 Acq: 20 Mar 2019 6:35

Tgt Ion:248 Resp: 13114
 Ion Ratio Lower Upper
 248 100
 250 183.7 77.6 116.4#
 141 552.2 63.9 95.9#

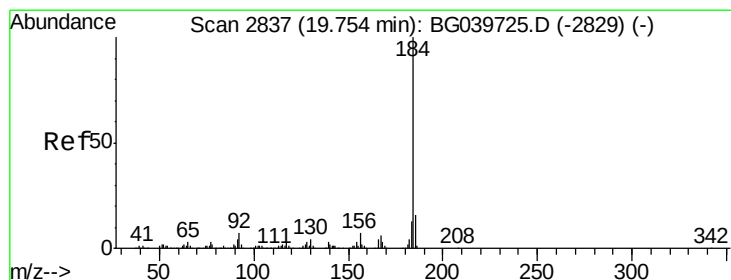
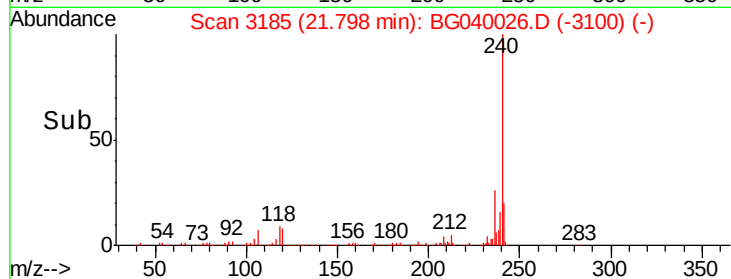
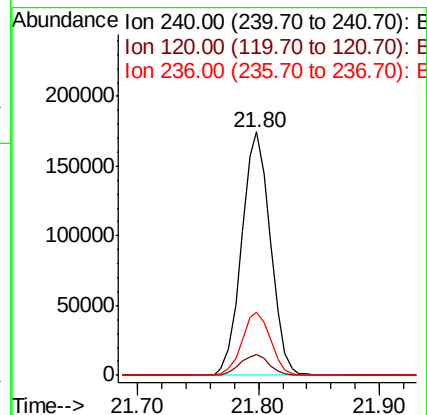
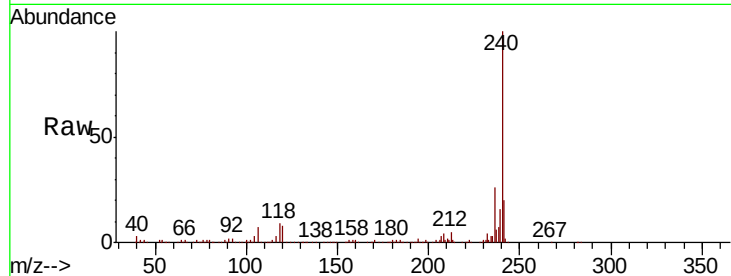




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040026.D
Acq: 20 Mar 2019 6:35

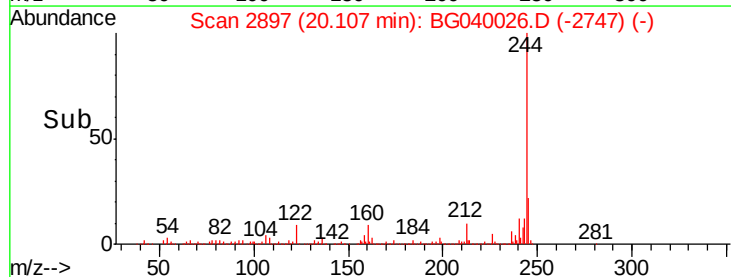
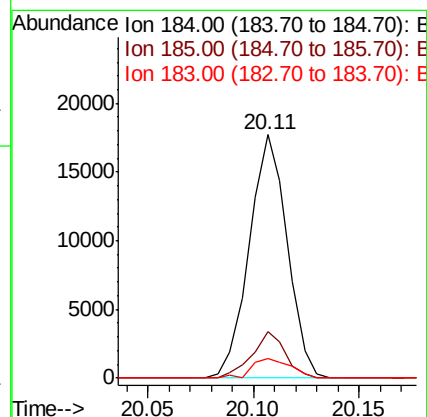
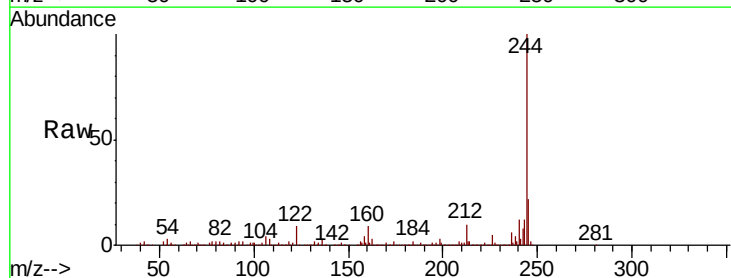
Instrument :
BNA_G
ClientSampleId :
OR-03-031819-A

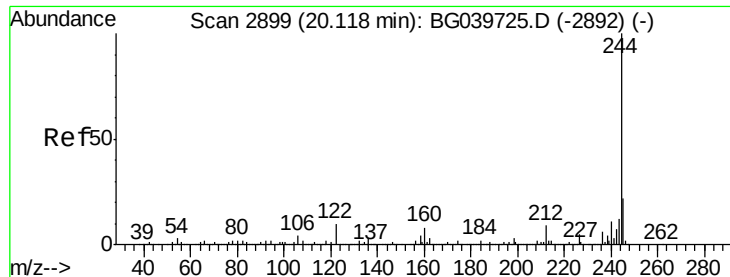
Tgt Ion:240 Resp: 289933
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.399 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040026.D
Acq: 20 Mar 2019 6:35

Tgt Ion:184 Resp: 22070
Ion Ratio Lower Upper
184 100
185 18.9 12.2 18.2#
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 91.149 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

Instrument :

BNA_G

ClientSampleId :

OR-03-031819-A

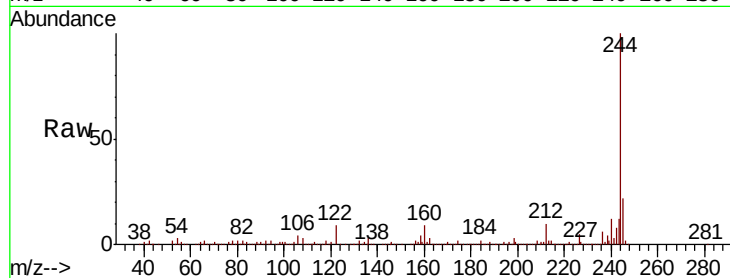
Tgt Ion:244 Resp: 1200242

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

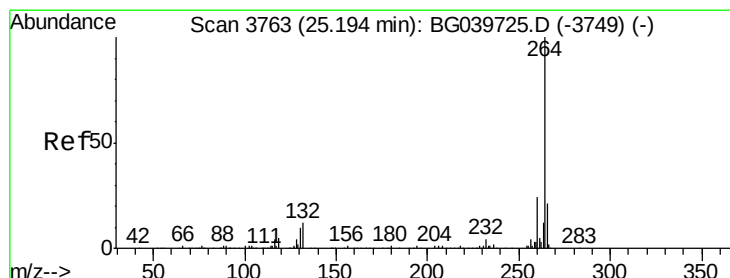
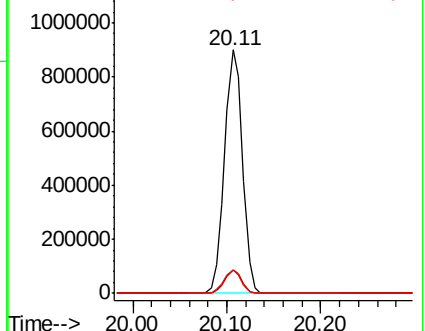
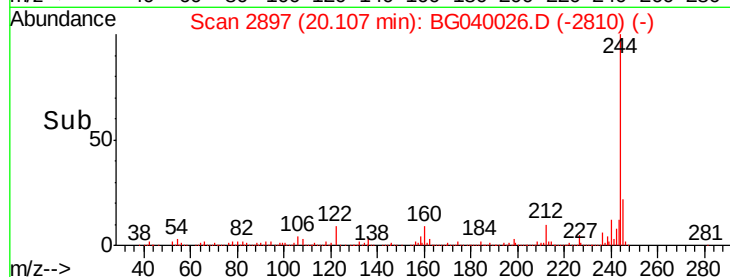
122 9.4 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040026.D

Acq: 20 Mar 2019 6:35

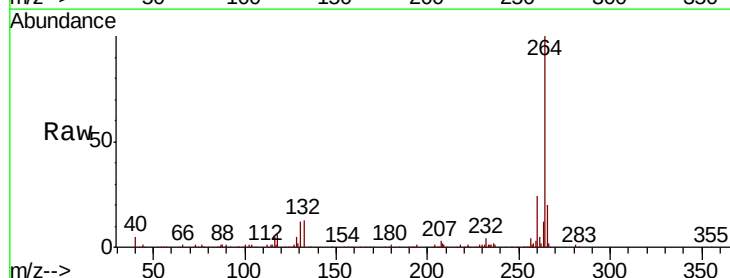
Tgt Ion:264 Resp: 282721

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 20.0 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

