

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080119\
 Data File : BG041859.D
 Acq On : 1 Aug 2019 12:21
 Operator : HP/JU
 Sample : K3622-14RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-A

Quant Time: Aug 01 14:12:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

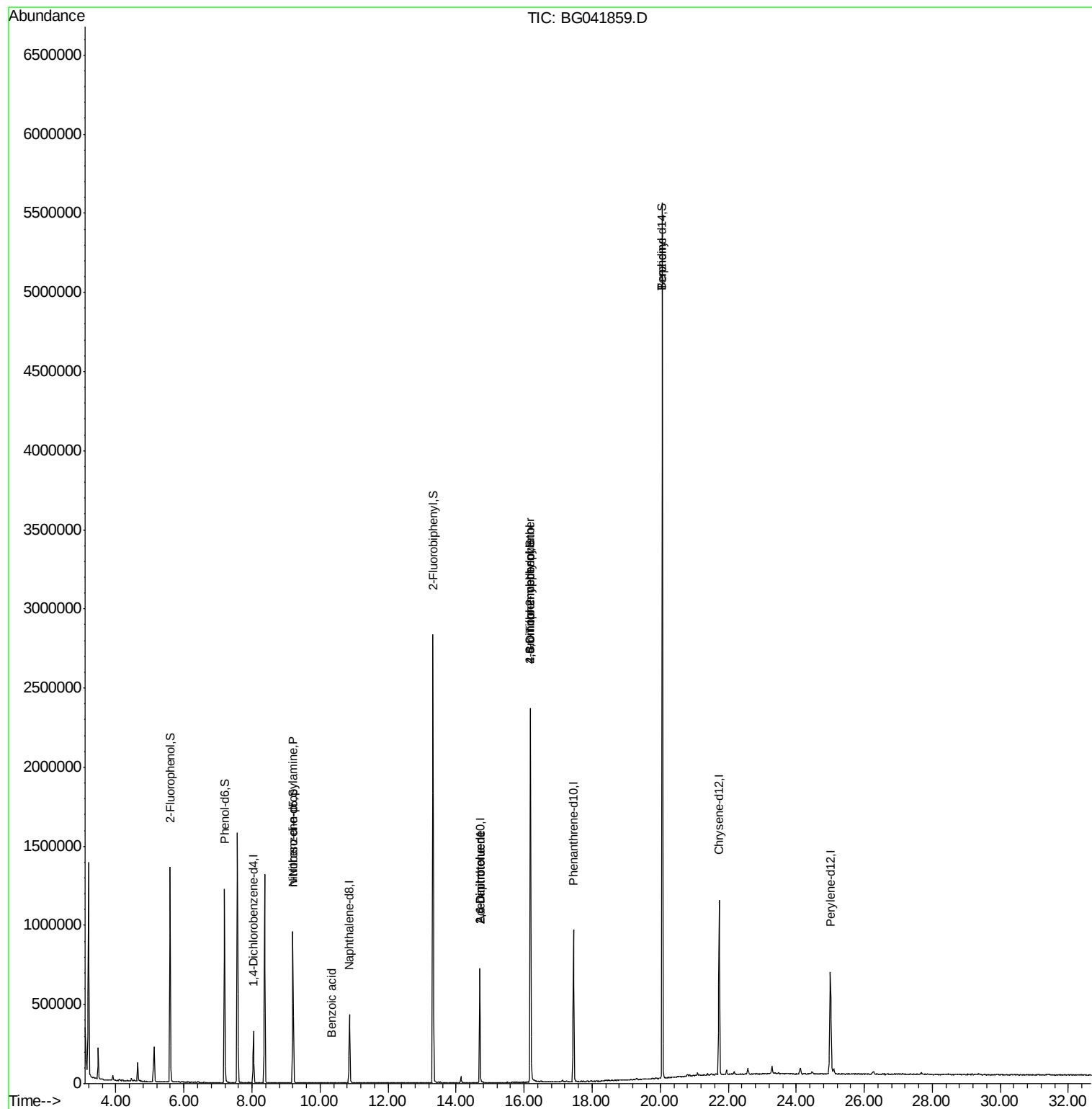
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	102643	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	377835	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	270611	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	643767	20.00	ng	0.00
76) Chrysene-d12	21.73	240	686575	20.00	ng	0.00
87) Perylene-d12	25.00	264	792422	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	616843	116.92	ng	0.00
7) Phenol-d6	7.19	99	734034	103.21	ng	0.00
23) Nitrobenzene-d5	9.20	82	599060	109.11	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	520582	169.36	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1529350	99.68	ng	0.00
79) Terphenyl-d14	20.06	244	2586368	86.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	80099	15.512	ng	Qvalue # 71
32) Benzoic acid	10.33	122	659	8.888	ng	# 85
51) 2,6-Dinitrotoluene	14.70	165	34610	8.956	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	34610	6.512	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.18	198	1413	7.237	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	37758	4.761	ng	# 1
77) Benzidine	20.06	184	46183	2.061	ng	# 92

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

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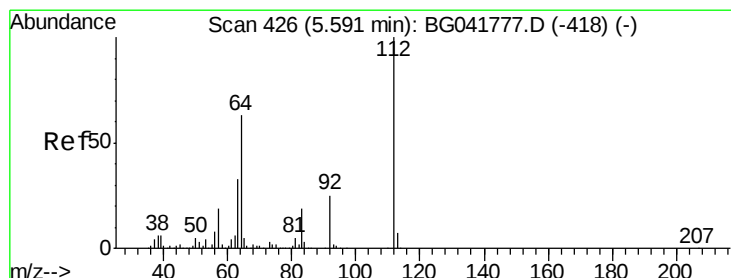
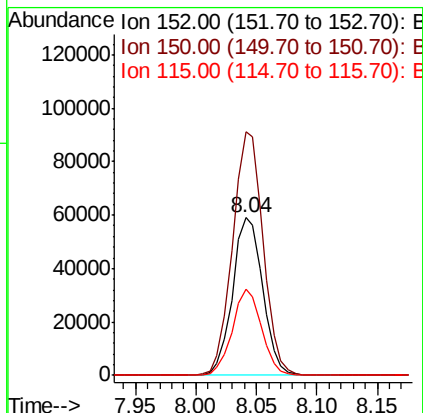
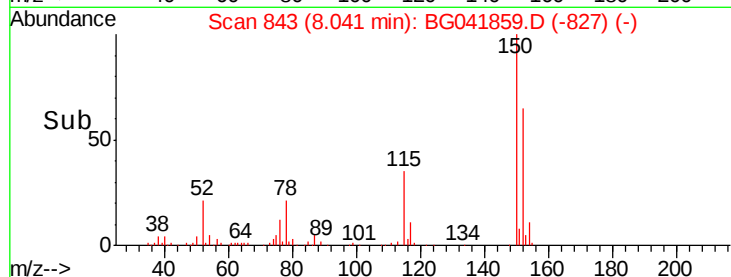
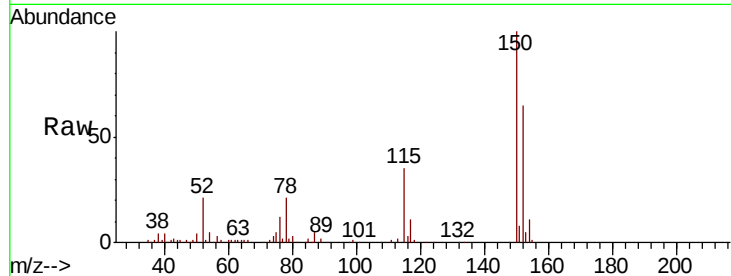


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

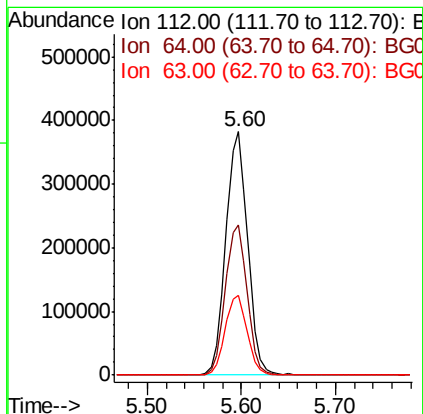
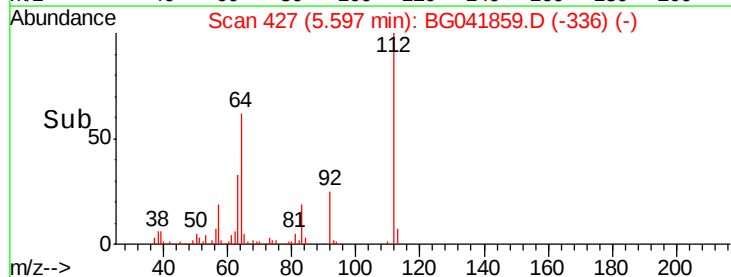
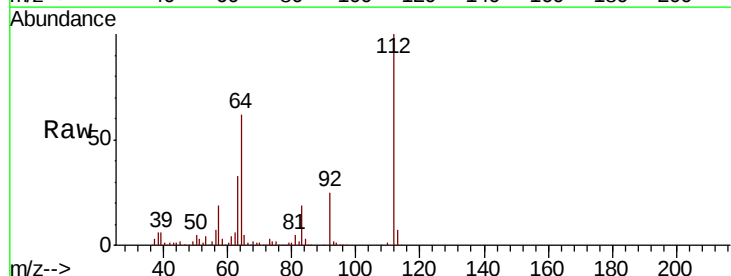
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.9	190.3
115	54.3	45.0	67.6

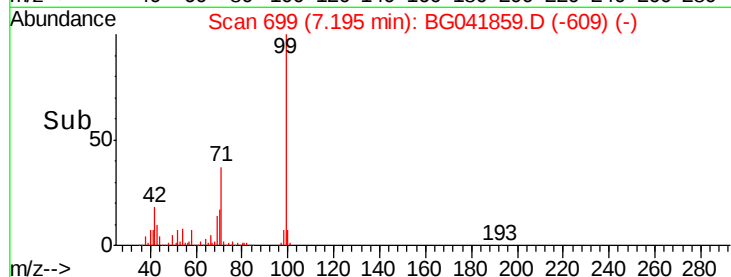
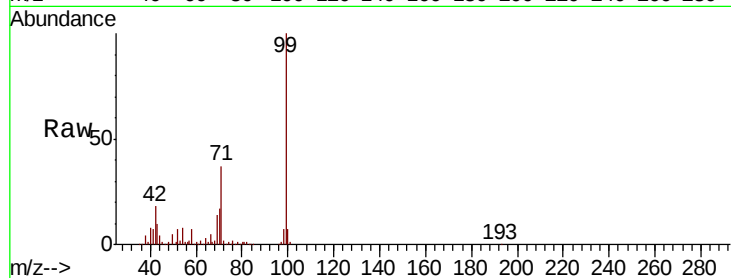
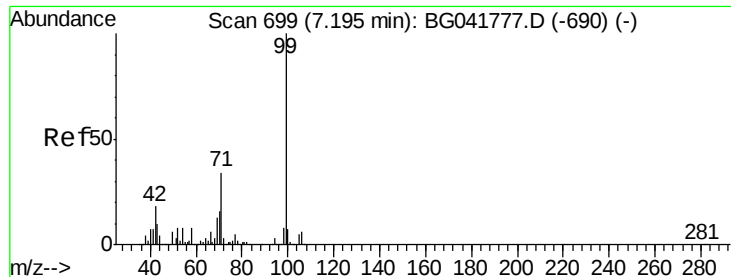


#5

2-Fluorophenol
Concen: 116.924 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	55.4	83.2
63	32.8	29.1	43.7





#7

Phenol-d6

Concen: 103.206 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

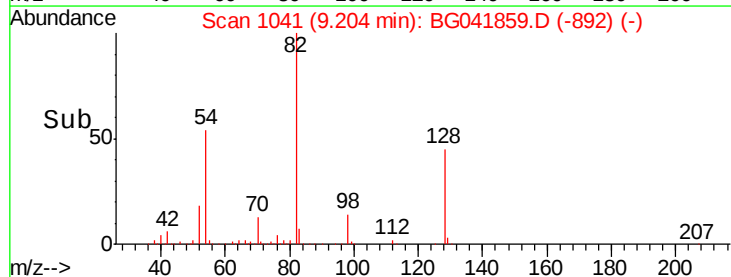
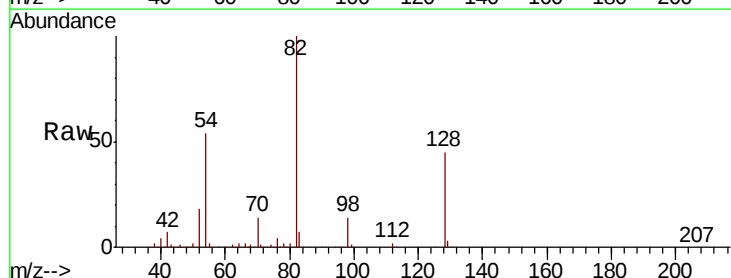
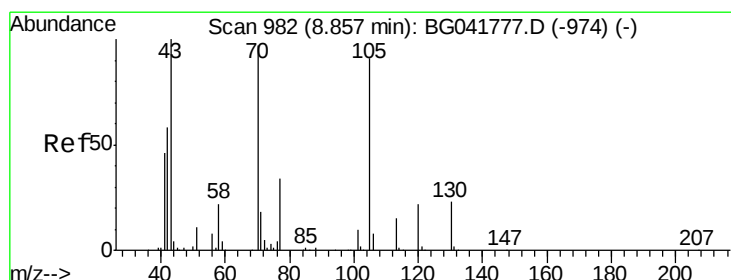
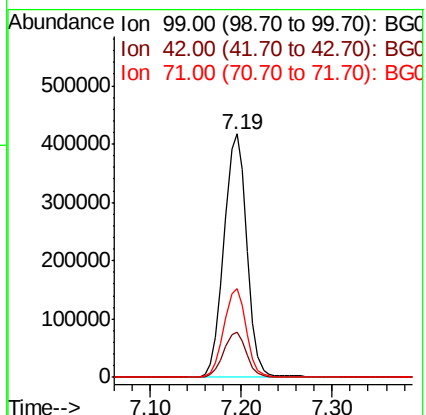
Tot Ion: 99 Resp: 734034

Ion Ratio Lower Upper

99 100

42 18.5 17.6 26.4

71 36.5 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.512 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Tgt Ion: 70 Resp: 80099

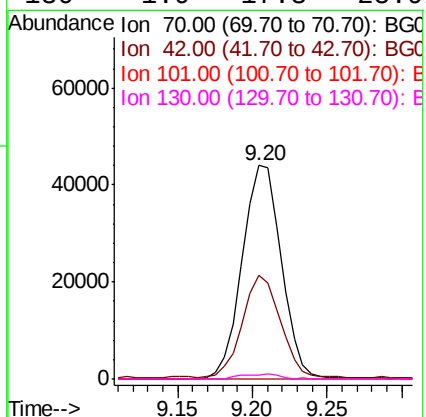
Ion Ratio Lower Upper

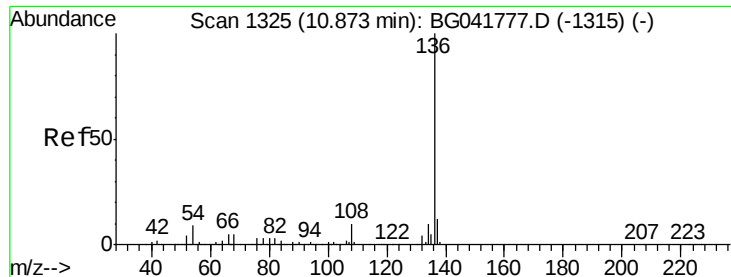
70 100

42 48.5 55.8 83.6#

101 0.0 8.1 12.1#

130 1.9 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

Tot Ion:136 Resp: 377835

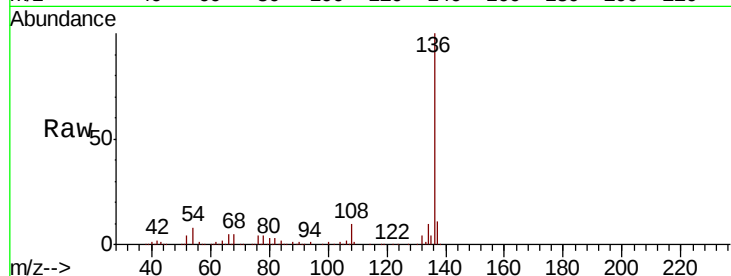
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.9 8.7 13.1#

68 4.8 5.5 8.3#

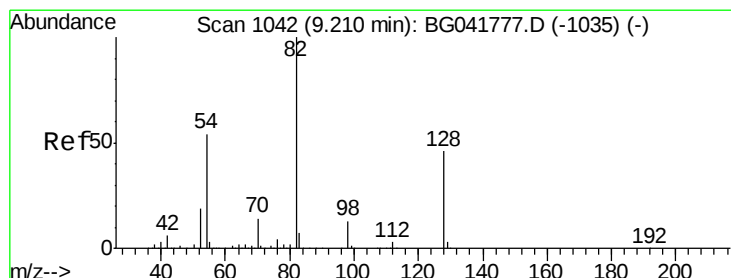
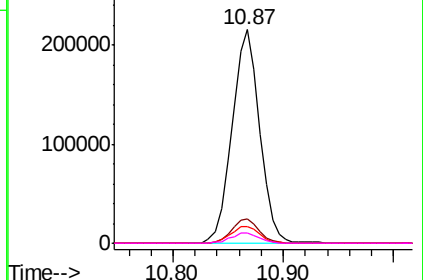
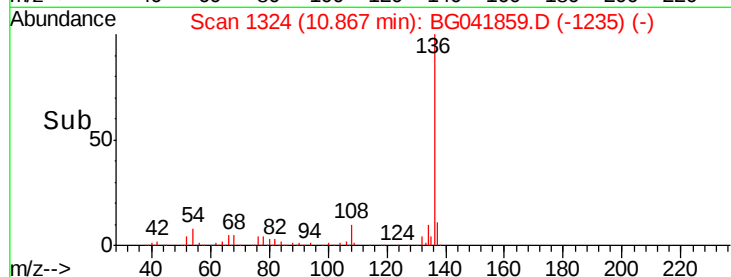


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 109.109 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

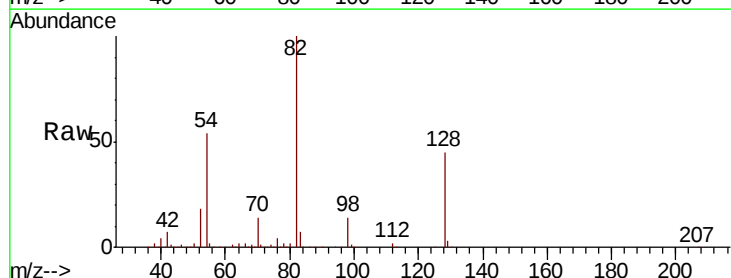
Tgt Ion: 82 Resp: 599060

Ion Ratio Lower Upper

82 100

128 45.3 35.1 52.7

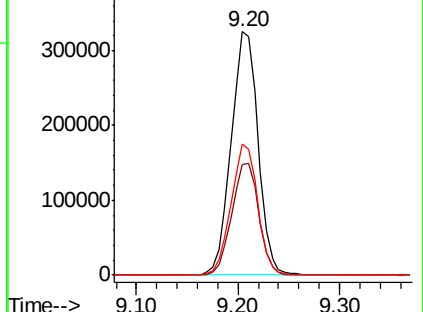
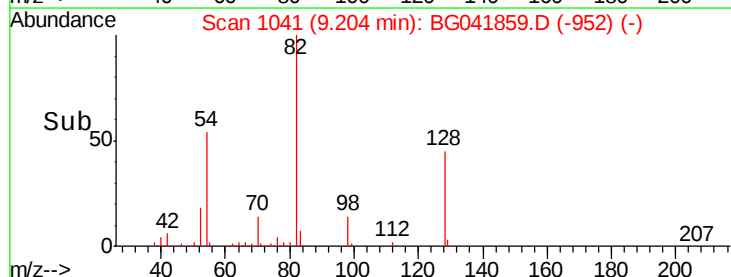
54 53.6 48.7 73.1

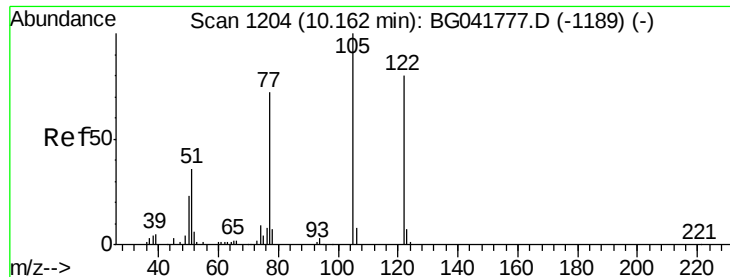


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

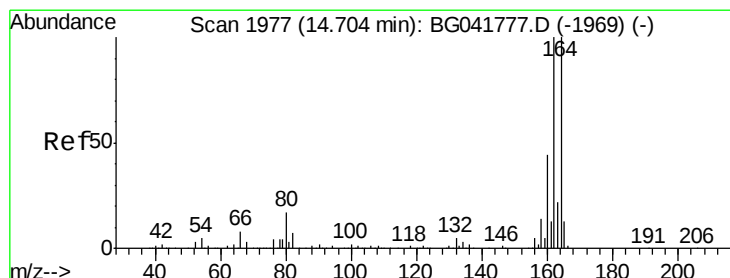
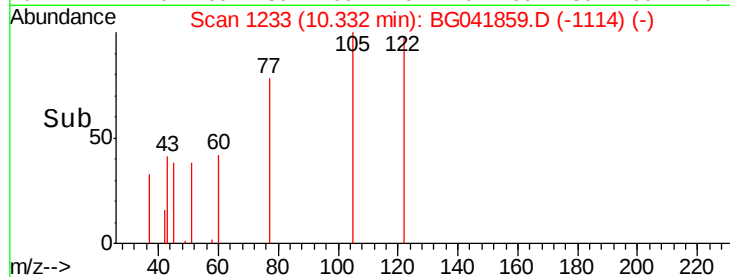
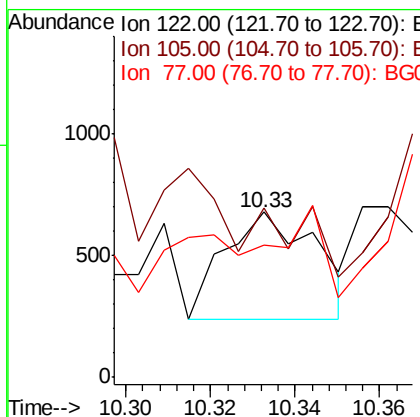
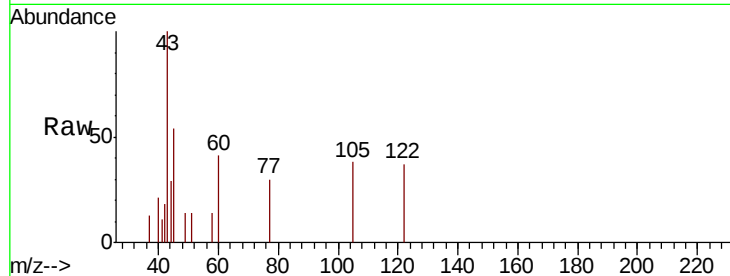




#32
Benzoic acid
Concen: 8.888 ng
RT: 10.33 min Scan# 1233
Delta R.T. 0.17 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

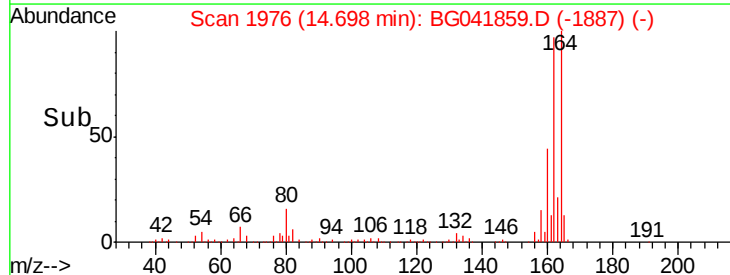
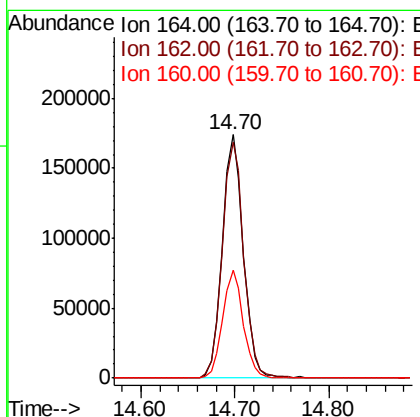
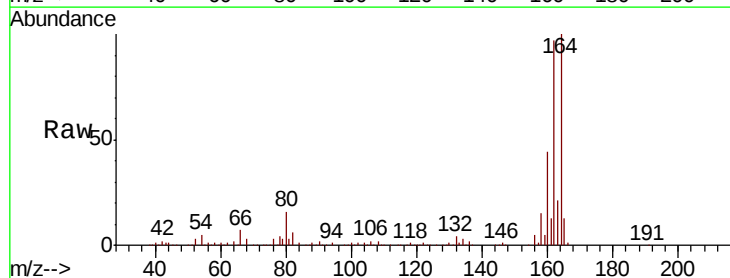
Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

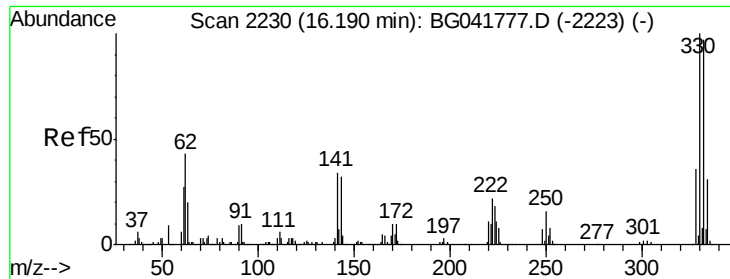
Tot Ion:122 Resp: 659
Ion Ratio Lower Upper
122 100
105 102.4 101.5 141.5
77 80.3 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Tgt Ion:164 Resp: 270611
Ion Ratio Lower Upper
164 100
162 96.9 79.6 119.4
160 44.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 169.363 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

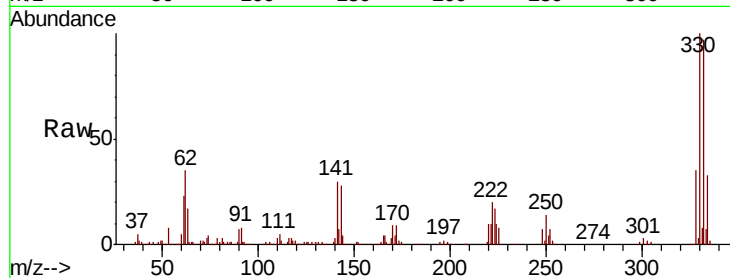
Tot Ion:330 Resp: 520582

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.0

141 31.4 31.9 47.9#

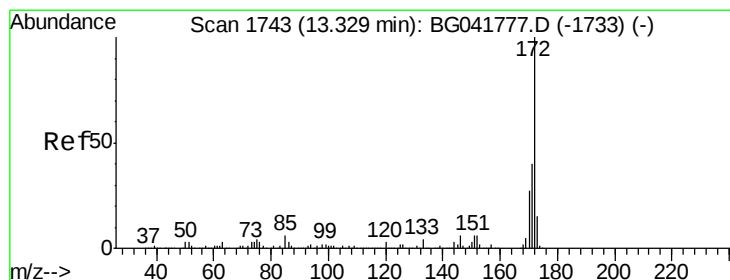
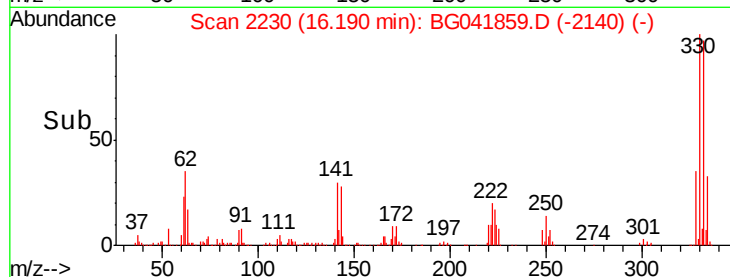
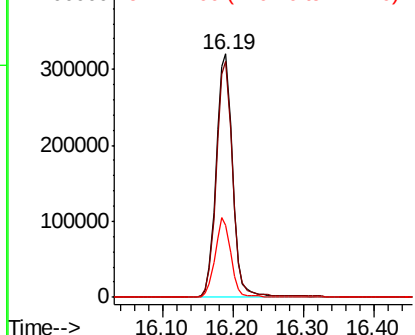


Abundance

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: 99.676 ng

RT: 13.32 min Scan# 1742

Delta R.T. -0.01 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

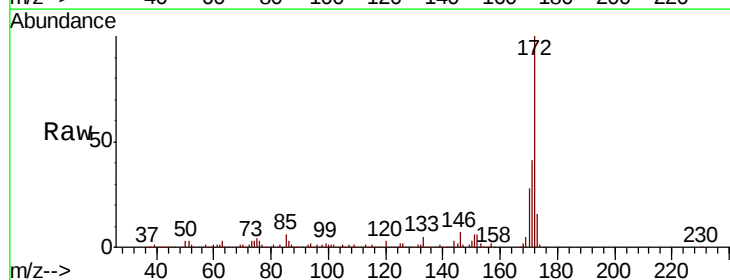
Tgt Ion:172 Resp: 1529350

Ion Ratio Lower Upper

172 100

171 41.2 35.0 52.4

170 27.5 23.5 35.3

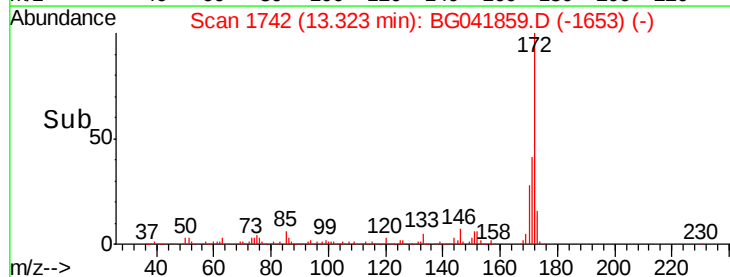
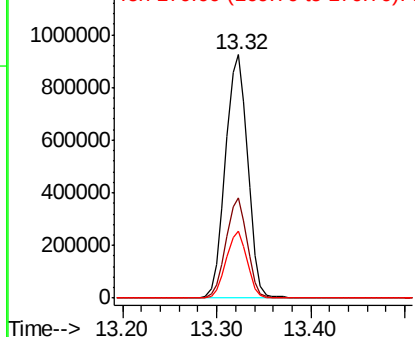


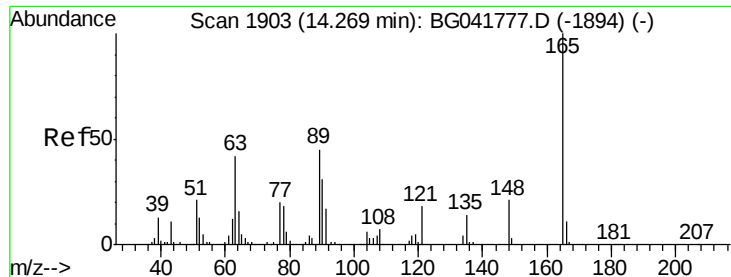
Abundance

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

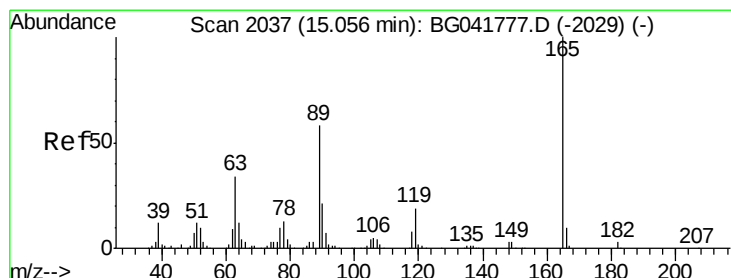
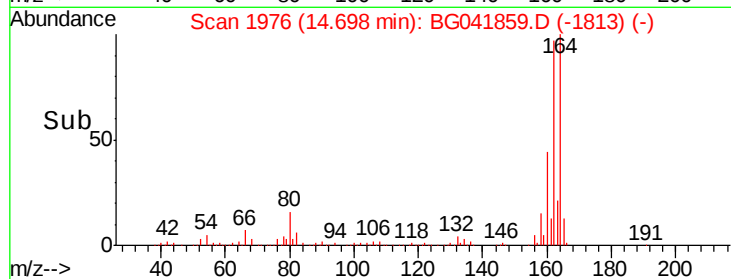
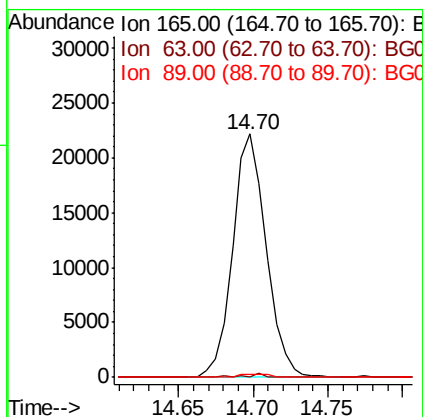
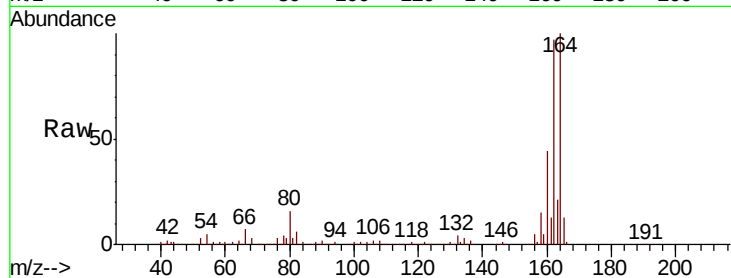




#51
 2,6-Dinitrotoluene
 Concen: 8.956 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041859.D
 Acq: 1 Aug 2019 12:21

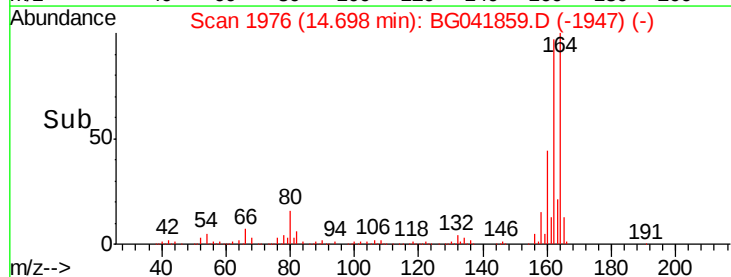
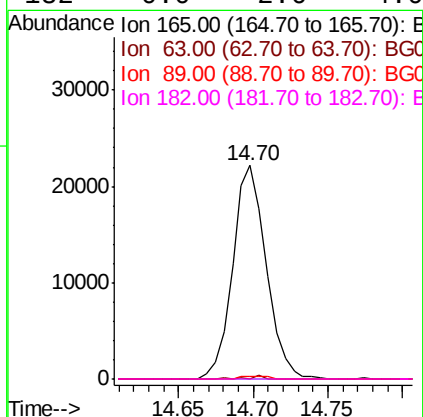
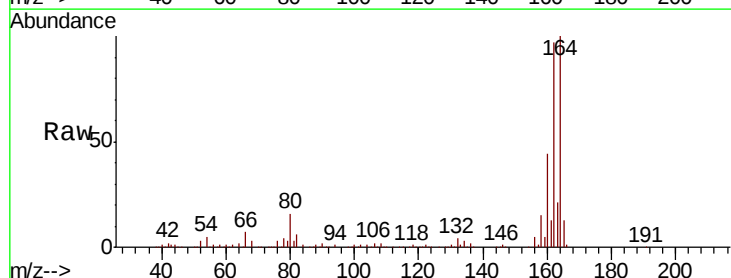
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-A

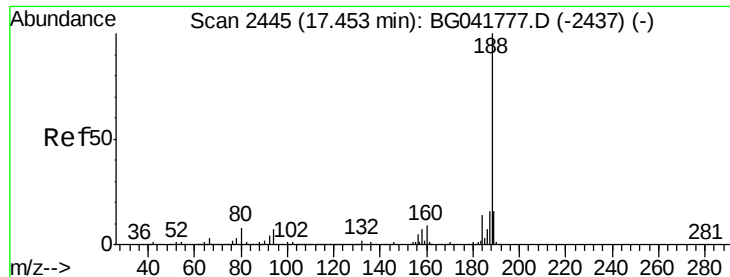
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	1.5	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.512 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041859.D
 Acq: 1 Aug 2019 12:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.5	50.2	75.4#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

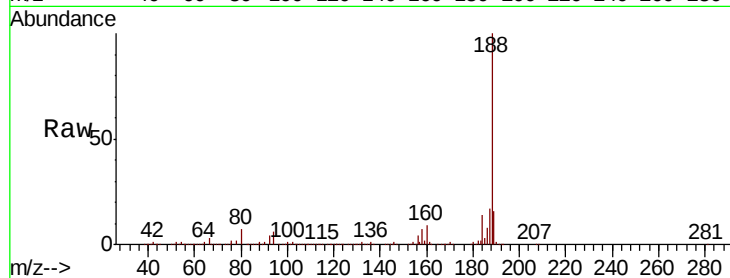
Tot Ion:188 Resp: 643767

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

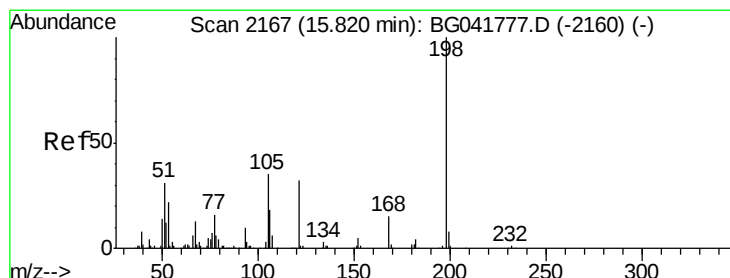
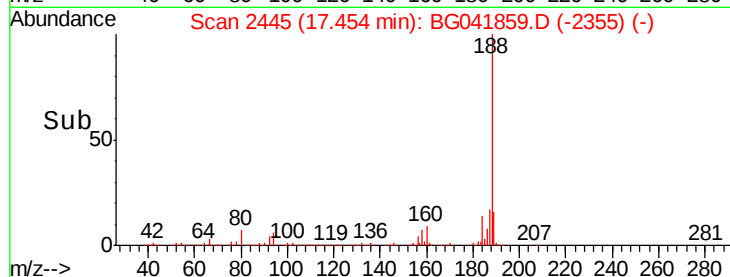
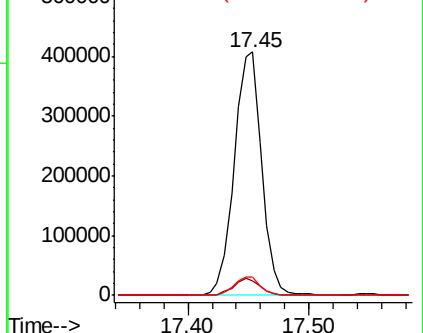
80 7.3 8.0 12.0#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.237 ng

RT: 16.18 min Scan# 2229

Delta R.T. 0.37 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

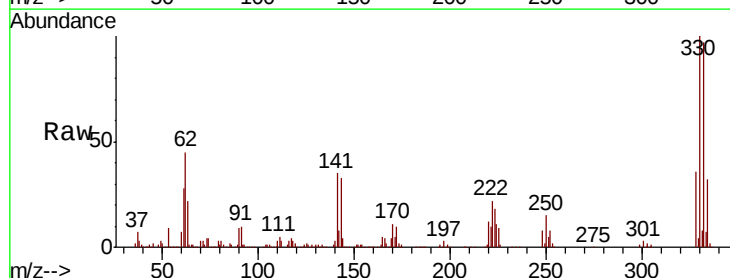
Tgt Ion:198 Resp: 1413

Ion Ratio Lower Upper

198 100

51 95.6 22.3 62.3#

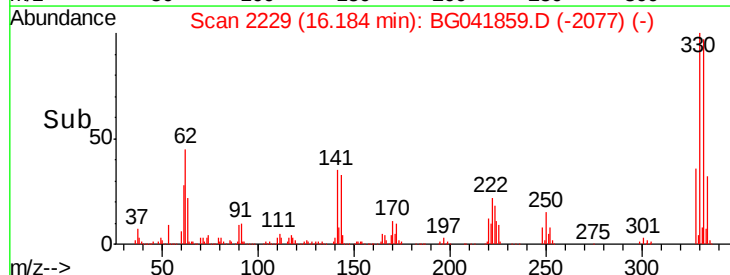
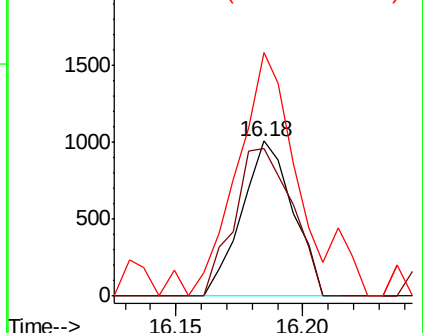
105 157.2 18.0 58.0#

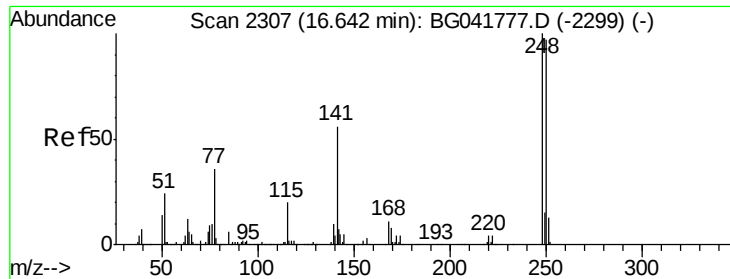


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

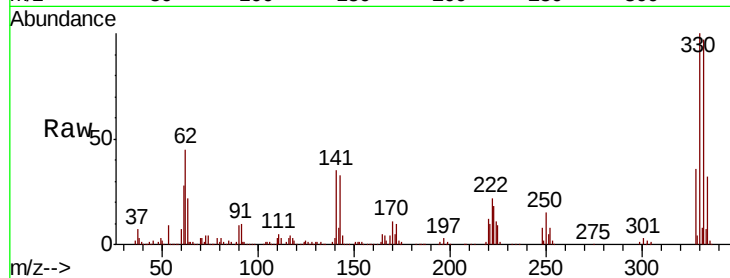




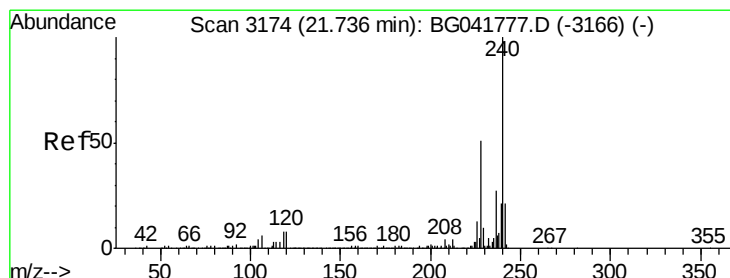
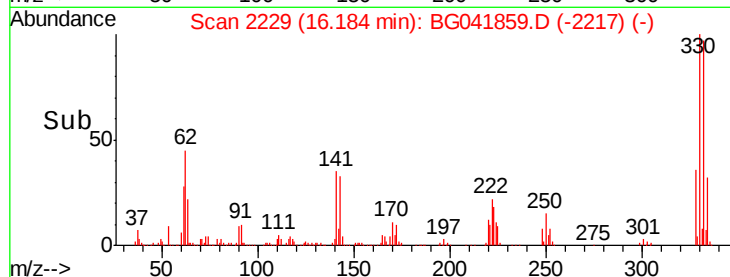
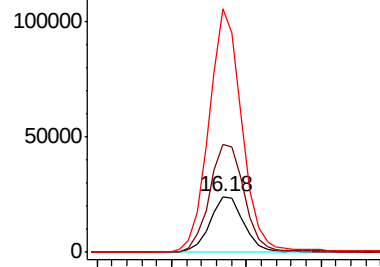
#67
4-Bromophenyl-phenylether
Concen: 4.761 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.46 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

Tot Ion:248 Resp: 37758
Ion Ratio Lower Upper
248 100
250 194.0 78.1 117.1#
141 438.5 49.6 74.4#

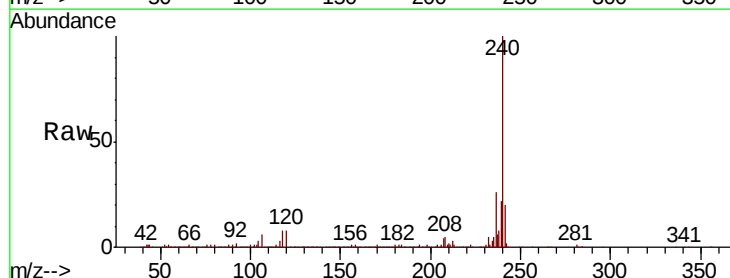


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

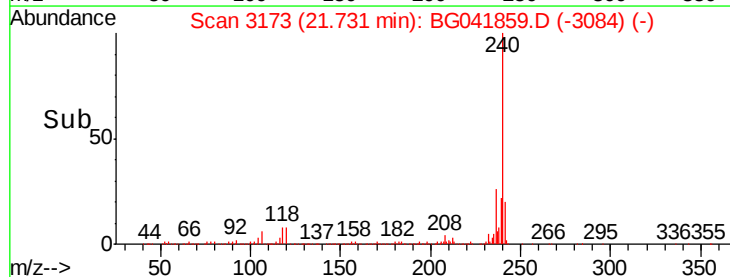
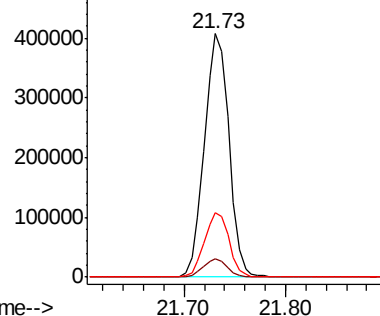


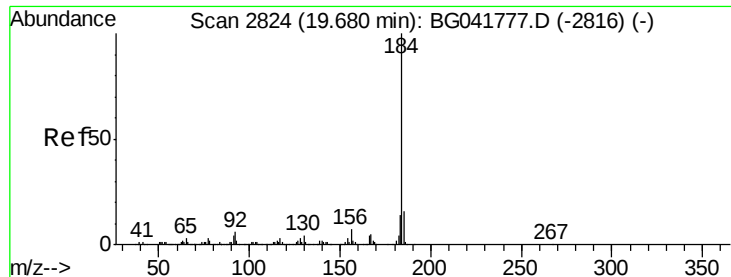
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Tgt Ion:240 Resp: 686575
Ion Ratio Lower Upper
240 100
120 7.7 8.0 12.0#
236 26.4 22.6 33.8



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: 2.061 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.38 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

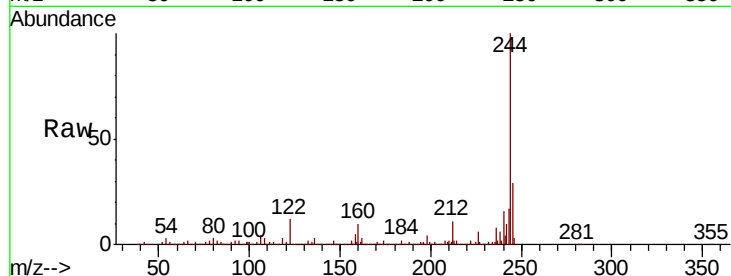
Tot Ion:184 Resp: 46183

Ion Ratio Lower Upper

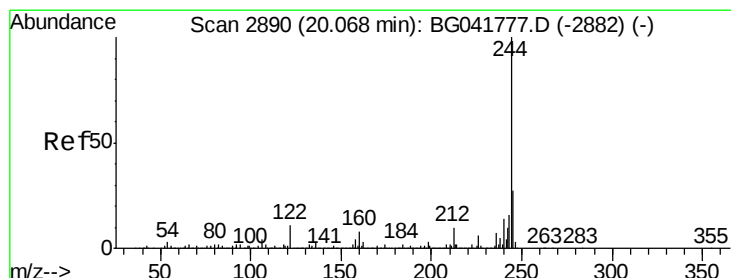
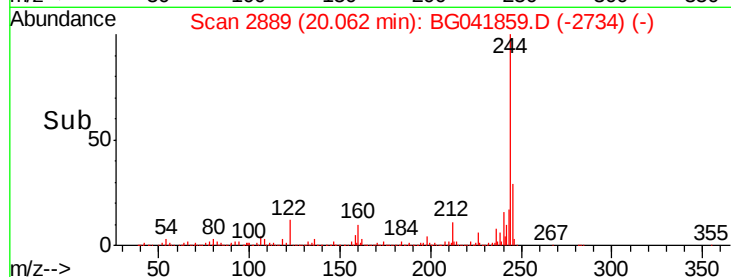
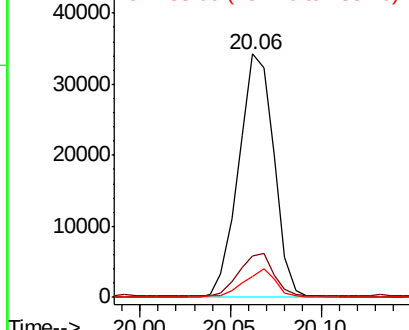
184 100

185 17.2 13.0 19.4

183 8.8 11.8 17.6#



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: 86.200 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041859.D

Acq: 1 Aug 2019 12:21

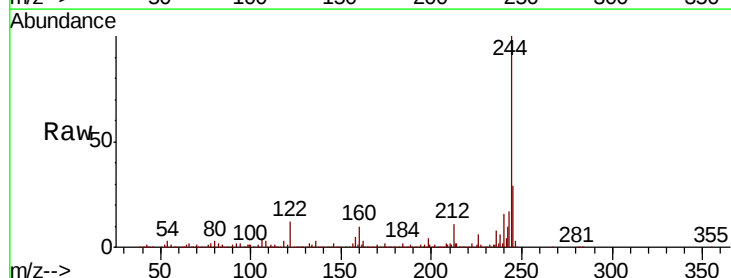
Tgt Ion:244 Resp: 2586368

Ion Ratio Lower Upper

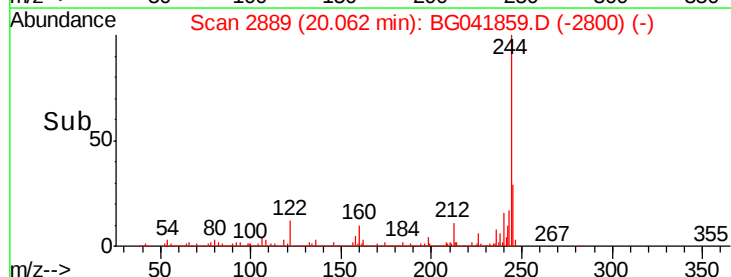
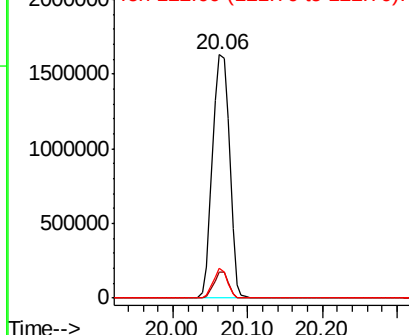
244 100

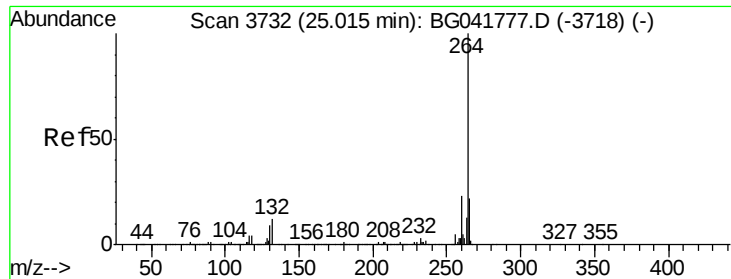
212 10.6 9.7 14.5

122 12.0 12.5 18.7#



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: 25.00 min Scan# 3730
Delta R.T. -0.01 min
Lab File: BG041859.D
Acq: 1 Aug 2019 12:21

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.3	18.0	27.0

