

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041837.D
 Acq On : 31 Jul 2019 17:34
 Operator : HP/JU
 Sample : K3621-08RX
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

Quant Time: Aug 01 01:48:31 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

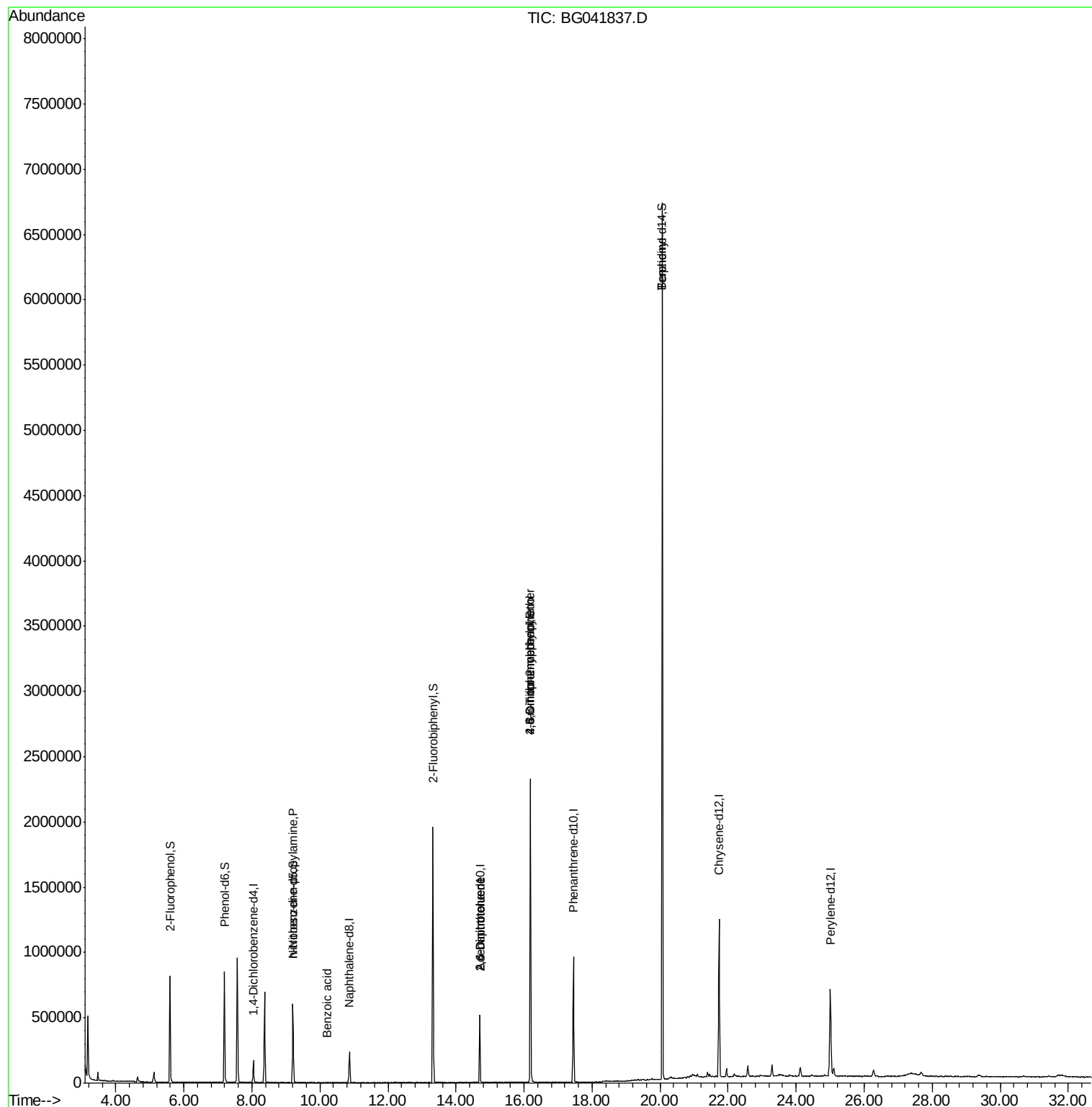
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	52661	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	227937	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	186933	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	595009	20.00	ng	0.00
76) Chrysene-d12	21.73	240	726358	20.00	ng	0.00
87) Perylene-d12	25.01	264	765327	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	396980	146.67	ng	0.00
7) Phenol-d6	7.19	99	515901	141.38	ng	0.00
23) Nitrobenzene-d5	9.21	82	362198	109.35	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	468258	220.53	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1041832	98.30	ng	0.00
79) Terphenyl-d14	20.06	244	2899524	91.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	47782	18.036	ng	# 68
32) Benzoic acid	10.20	122	57	8.751	ng	# 46
51) 2,6-Dinitrotoluene	14.70	165	24544	9.194	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	24544	6.686	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	1191	7.203	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	35587	4.855	ng	# 1
77) Benzidine	20.06	184	55024	2.321	ng	# 91

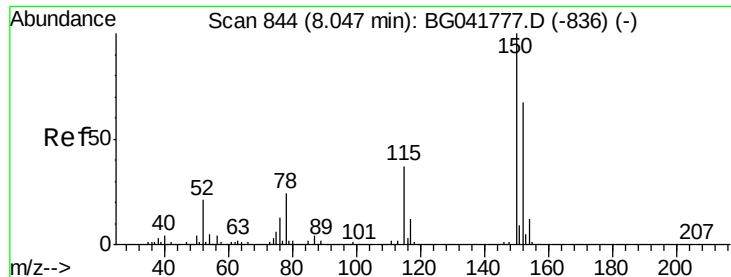
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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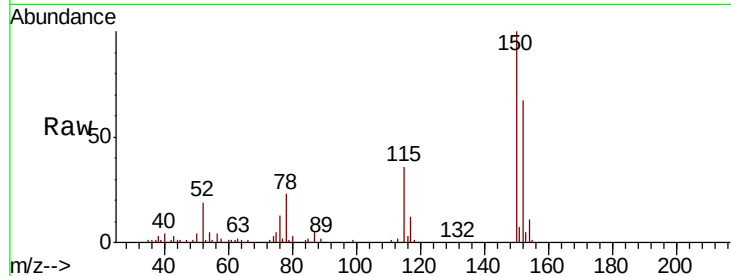


#1

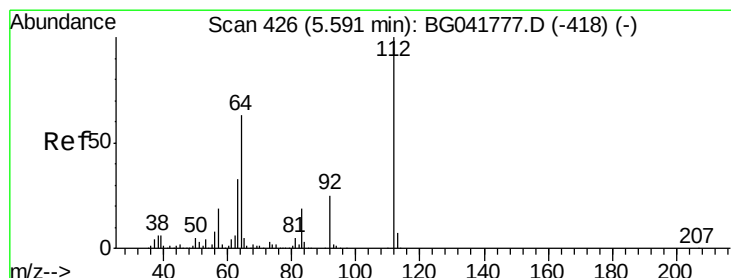
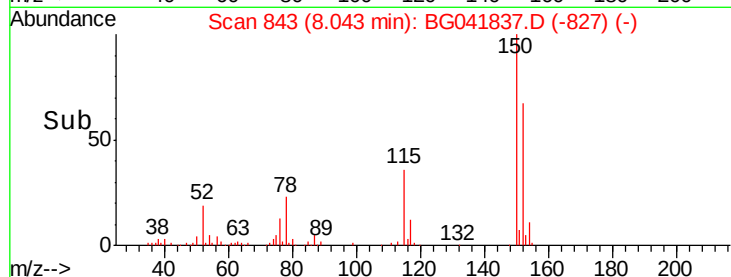
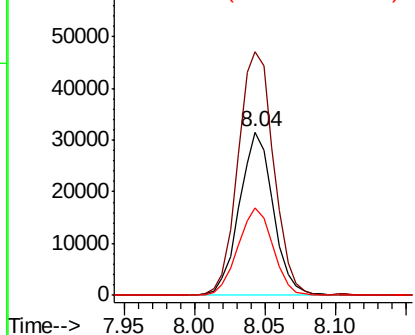
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Instrument :
BNA_G
ClientSampleId :
OK-01-072919

Tgt Ion:152 Resp: 52661
Ion Ratio Lower Upper
152 100
150 149.1 126.9 190.3
115 53.7 45.0 67.6



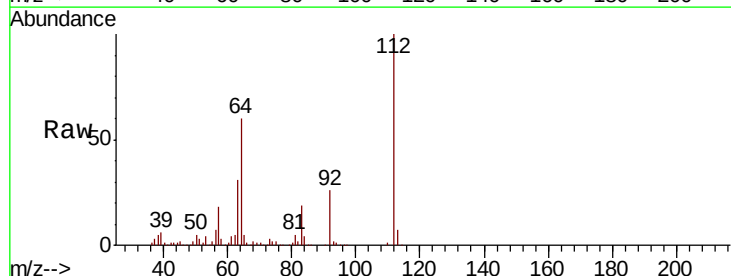
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



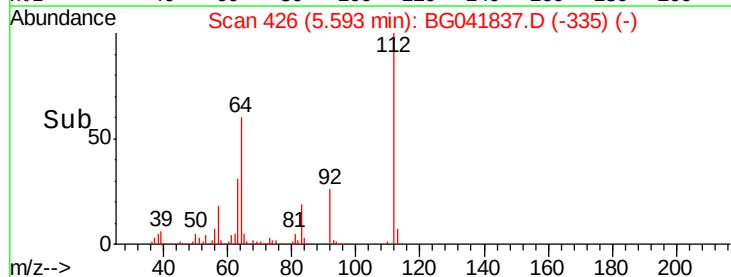
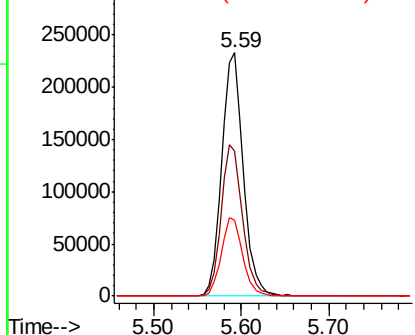
#5

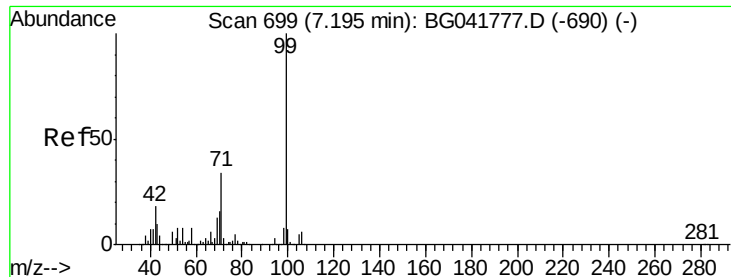
2-Fluorophenol
Concen: 146.669 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Tgt Ion:112 Resp: 396980
Ion Ratio Lower Upper
112 100
64 59.8 55.4 83.2
63 31.0 29.1 43.7



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: 141.382 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

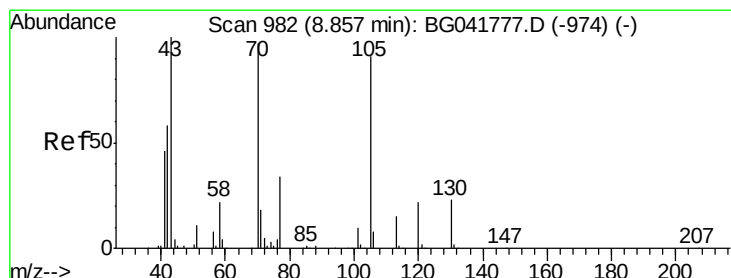
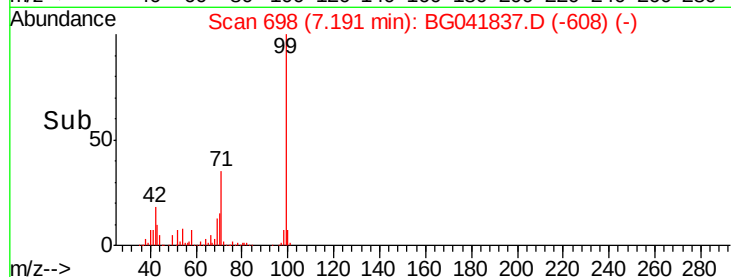
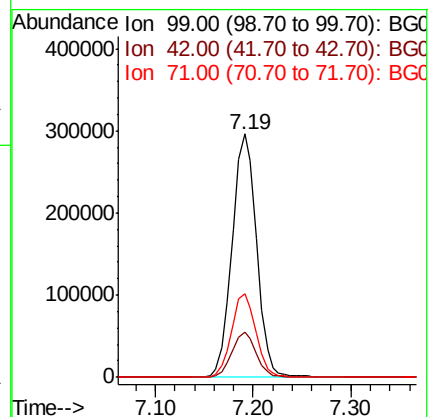
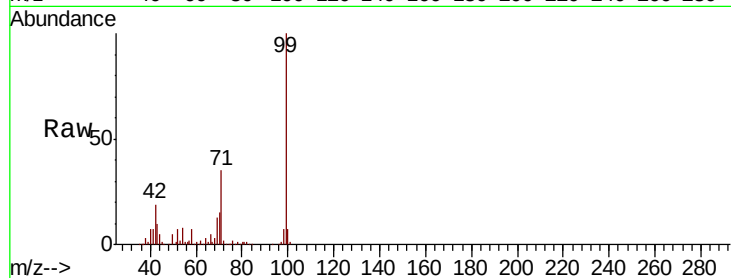
Tgt Ion: 99 Resp: 515901

Ion Ratio Lower Upper

99 100

42 18.5 17.6 26.4

71 34.5 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.036 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

Tgt Ion: 70 Resp: 47782

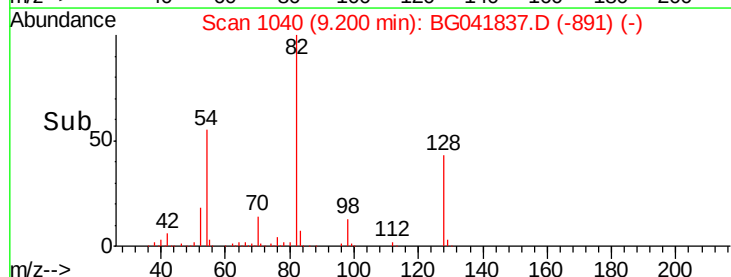
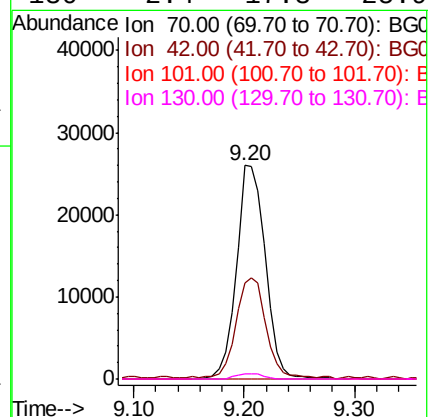
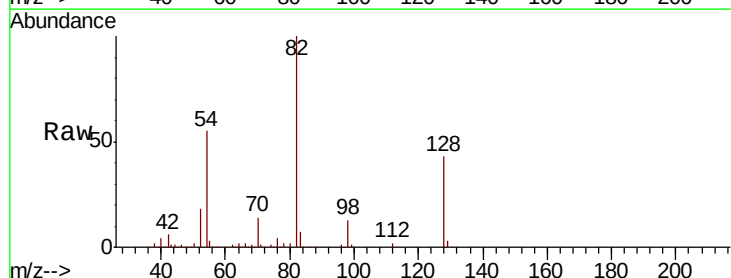
Ion Ratio Lower Upper

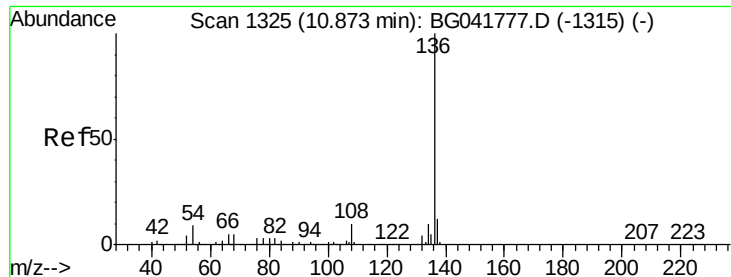
70 100

42 45.0 55.8 83.6#

101 0.0 8.1 12.1#

130 2.4 17.3 25.9#

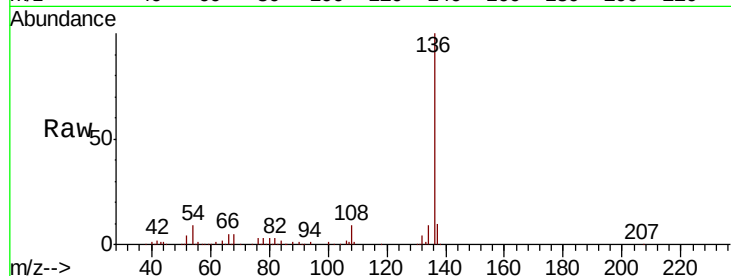




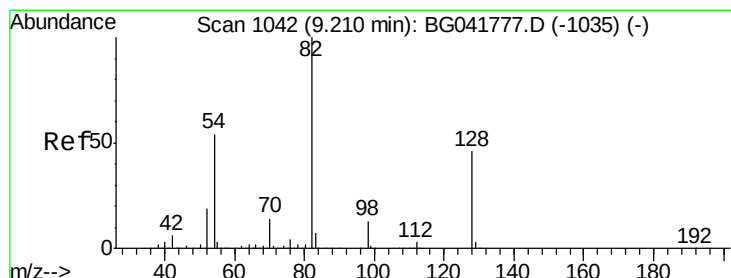
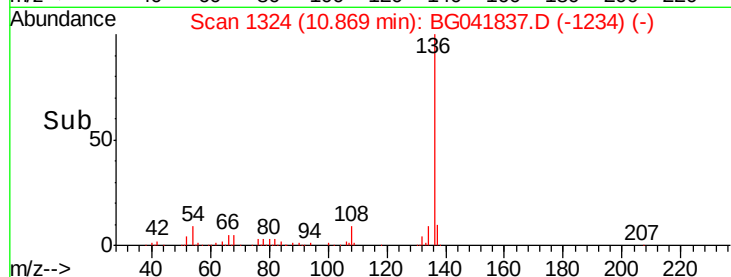
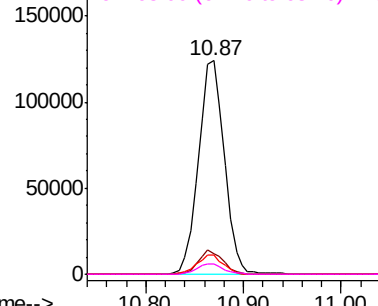
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Instrument :
BNA_G
ClientSampleId :
OK-01-072919

Tgt Ion:	136	Resp:	227937
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	8.7	8.5	13.1#
68	4.6	5.5	8.3#

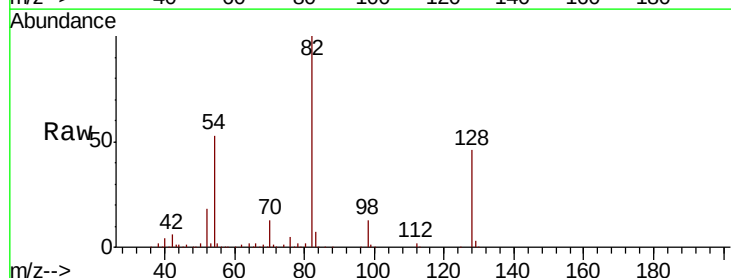


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

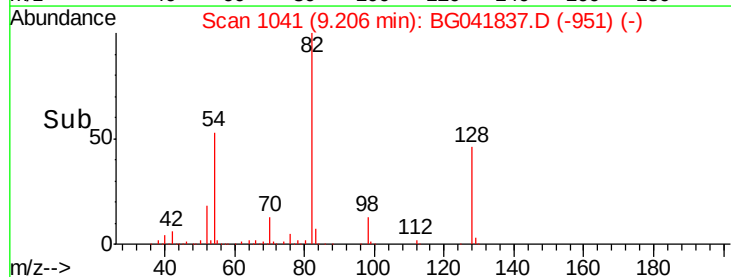
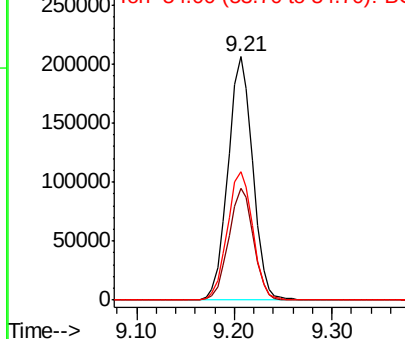


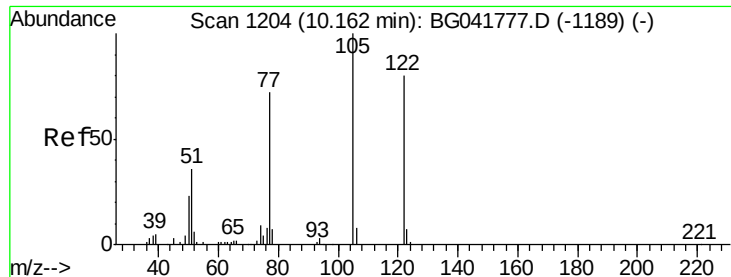
#23
Nitrobenzene-d5
Concen: 109.351 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Tgt Ion:	82	Resp:	362198
Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.1	52.7
54	53.0	48.7	73.1



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

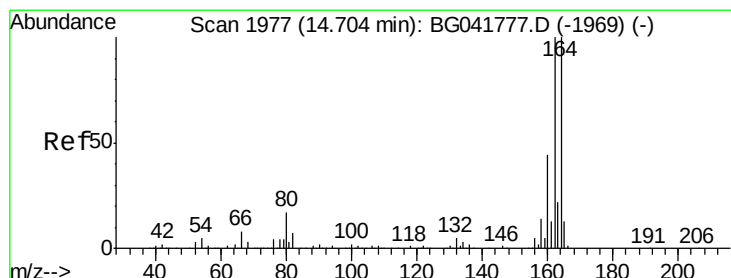
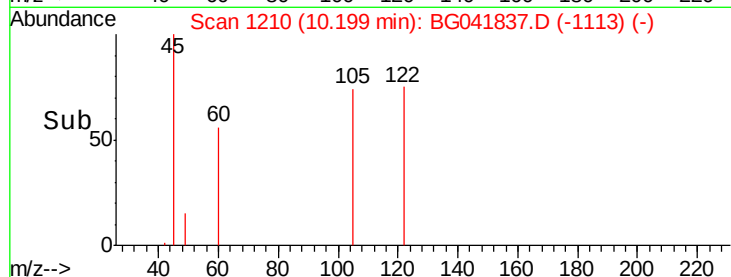
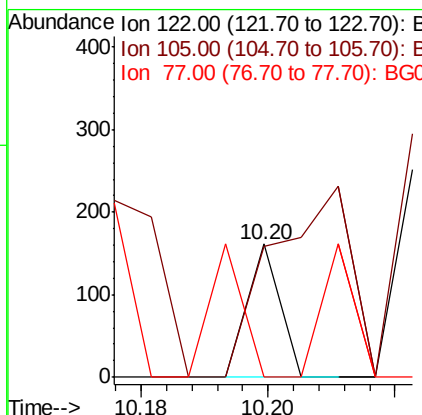
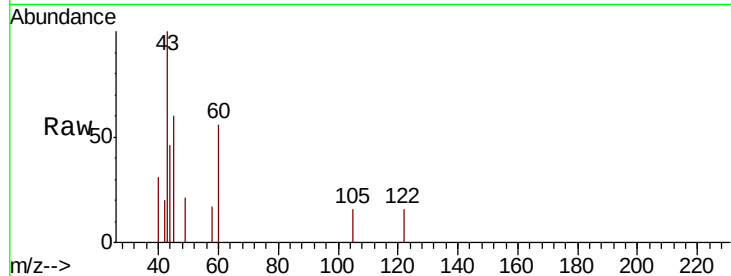




#32
Benzoic acid
Concen: 8.751 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.04 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

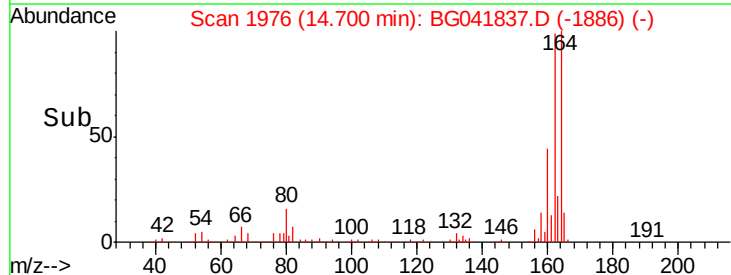
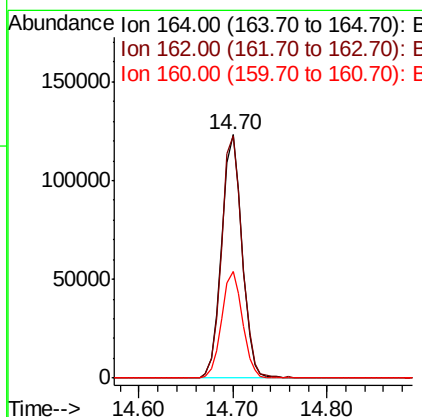
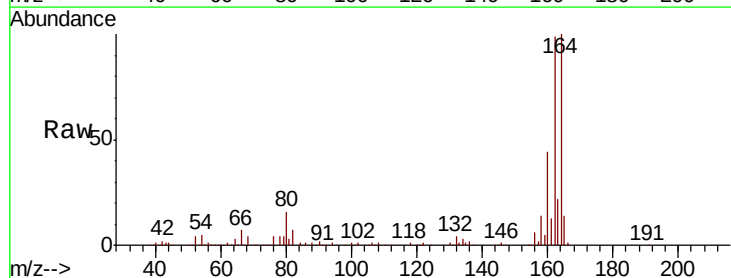
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

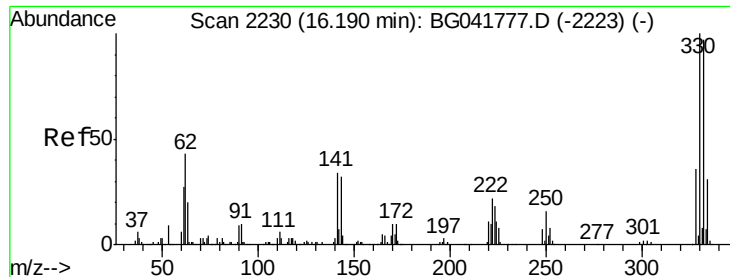
Tgt Ion	Ratio	Lower	Upper
122	100		
105	98.1	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.6	119.4
160	43.9	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 220.533 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

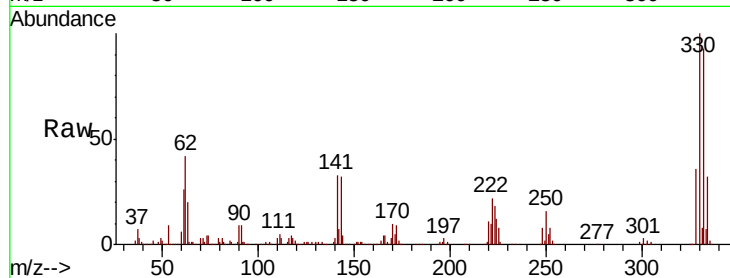
Tgt Ion:330 Resp: 468258

Ion Ratio Lower Upper

330 100

332 95.1 77.4 116.0

141 33.0 31.9 47.9

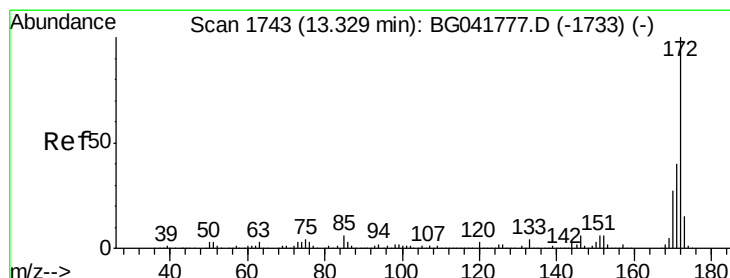
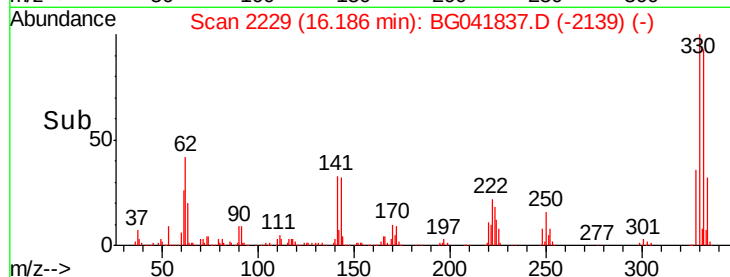
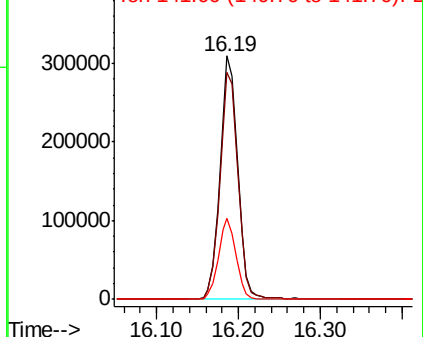


Abundance

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: 98.297 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

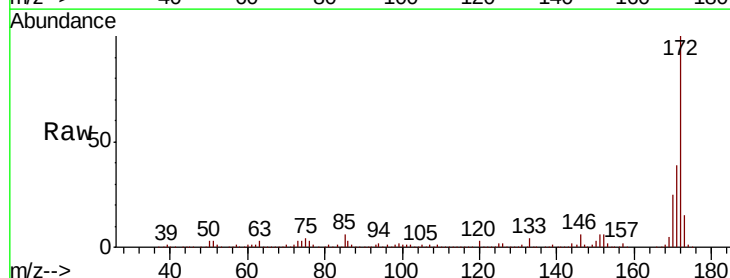
Tgt Ion:172 Resp: 1041832

Ion Ratio Lower Upper

172 100

171 39.0 35.0 52.4

170 25.3 23.5 35.3

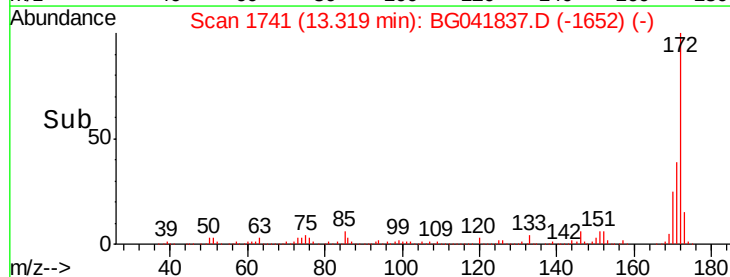
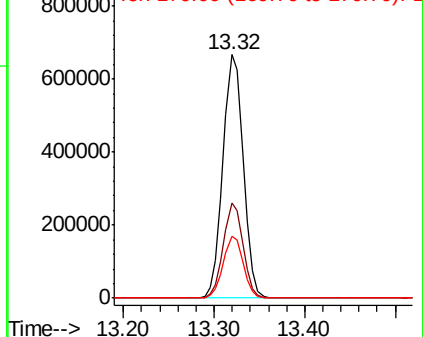


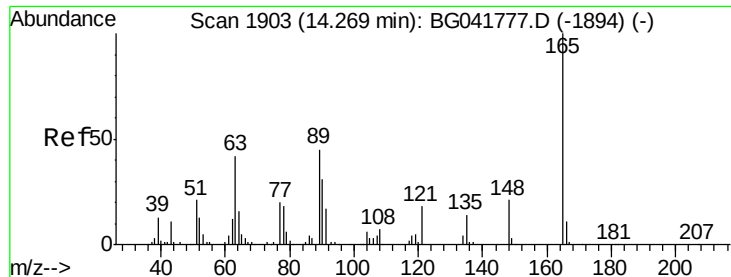
Abundance

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

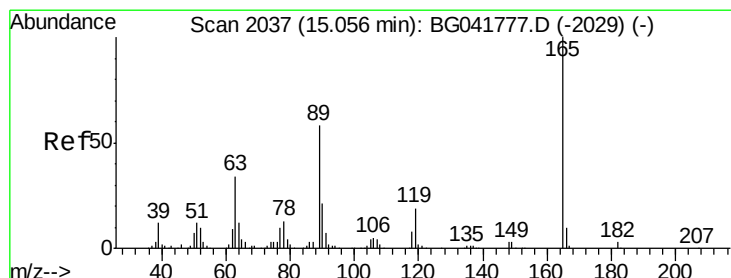
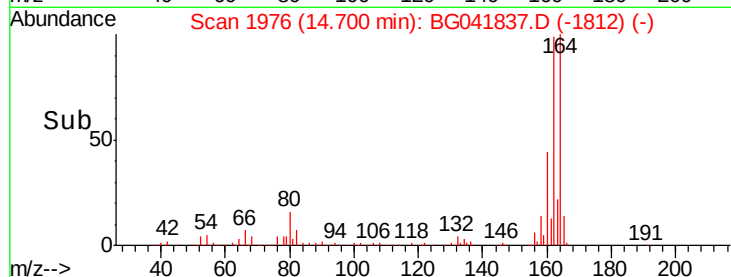
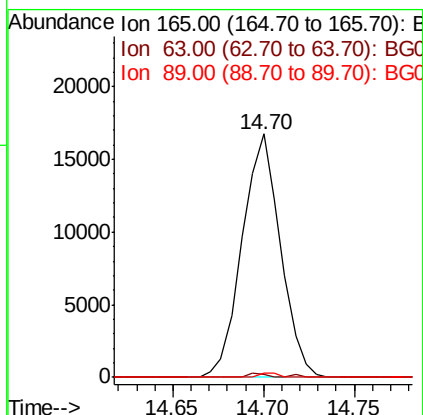
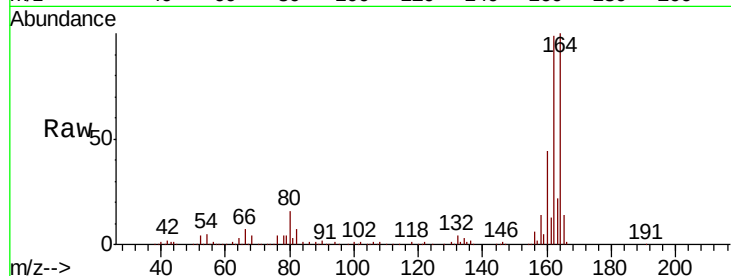




#51
 2,6-Dinitrotoluene
 Concen: 9.194 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041837.D
 Acq: 31 Jul 2019 17:34

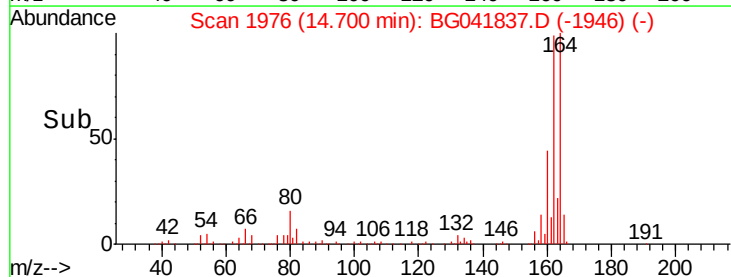
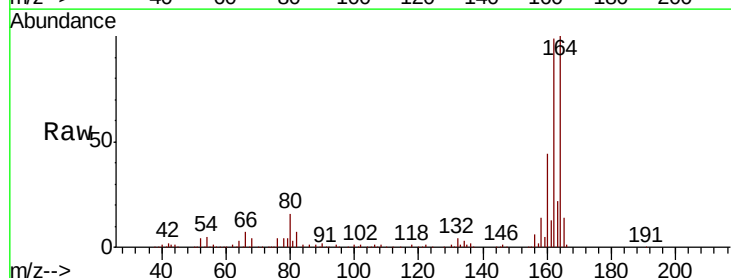
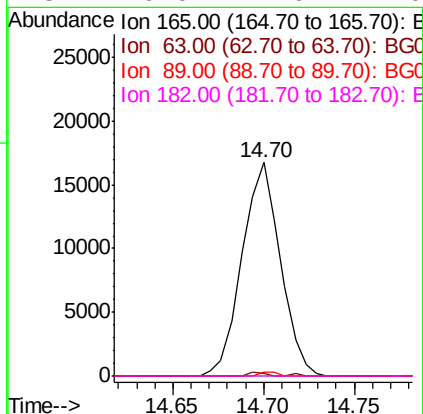
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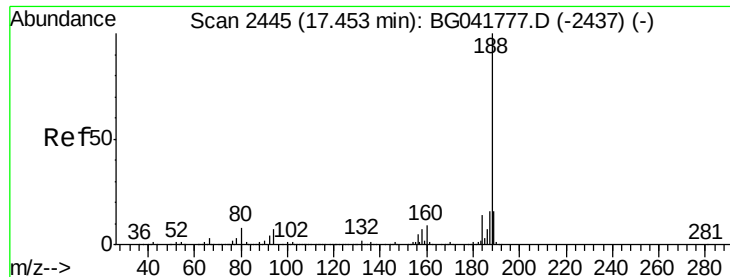
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.4	63.6#
89	1.6	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.686 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041837.D
 Acq: 31 Jul 2019 17:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.7	47.5#
89	1.6	50.2	75.4#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

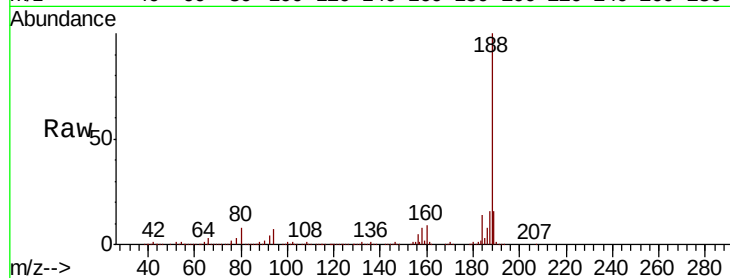
Tgt Ion:188 Resp: 595009

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

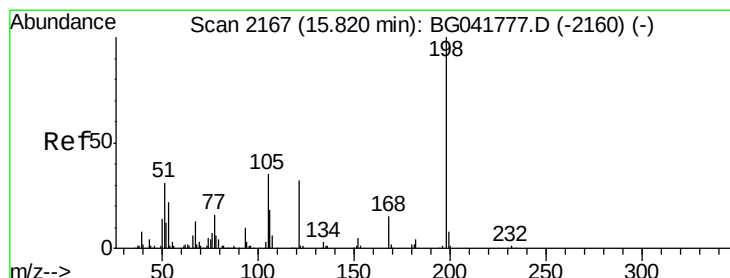
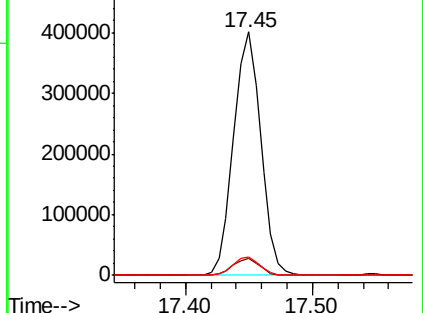
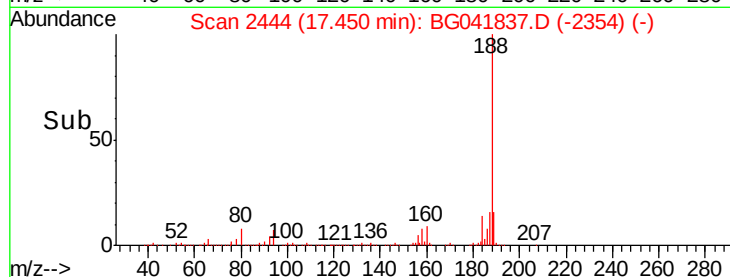
80 7.6 8.0 12.0#



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: 7.203 ng

RT: 16.19 min Scan# 2229

Delta R.T. 0.37 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

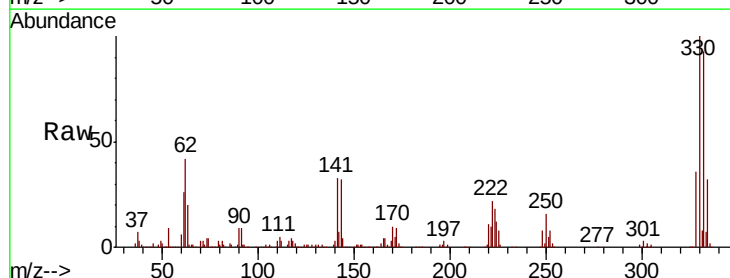
Tgt Ion:198 Resp: 1191

Ion Ratio Lower Upper

198 100

51 147.3 22.3 62.3#

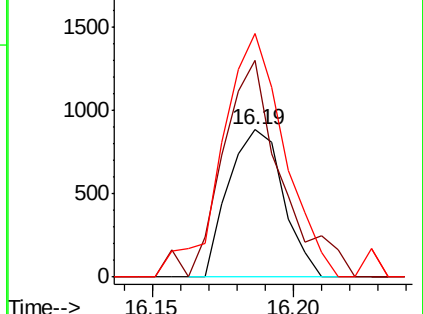
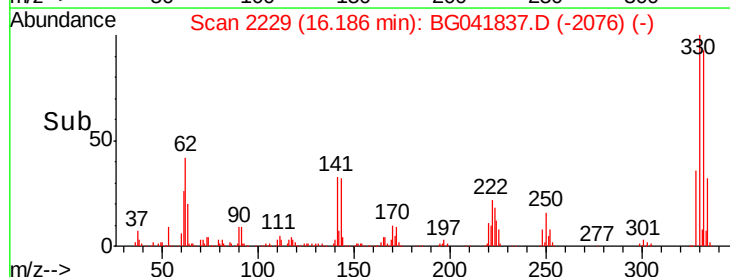
105 165.1 18.0 58.0#

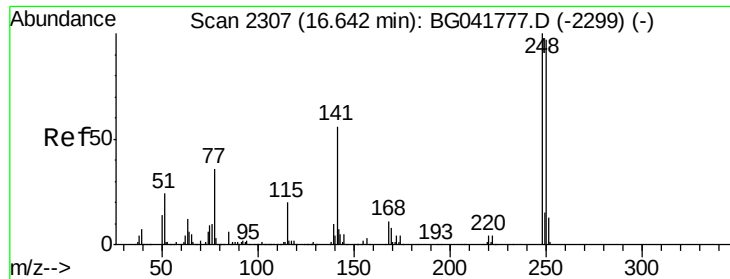


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

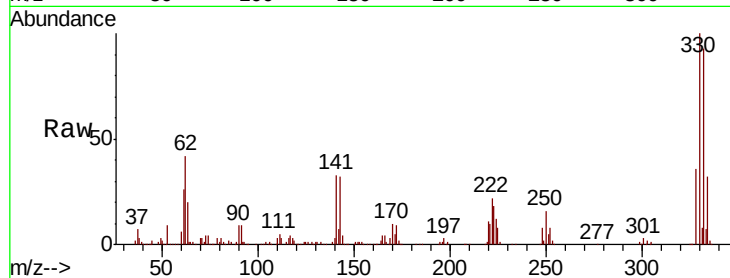




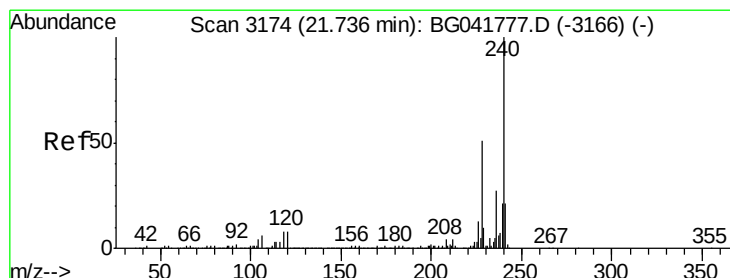
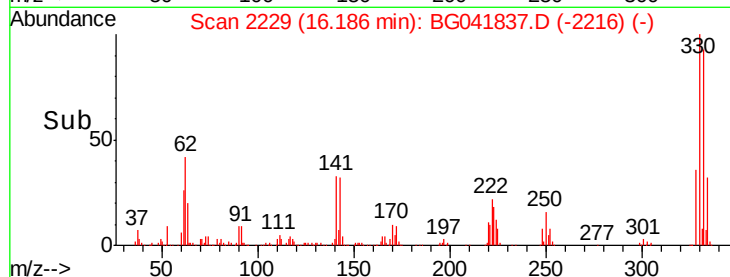
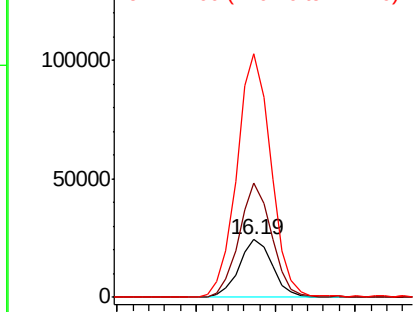
#67
 4-Bromophenyl-phenylether
 Concen: 4.855 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041837.D
 Acq: 31 Jul 2019 17:34

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

Tgt Ion:248 Resp: 35587
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.1 117.1#
 141 421.1 49.6 74.4#

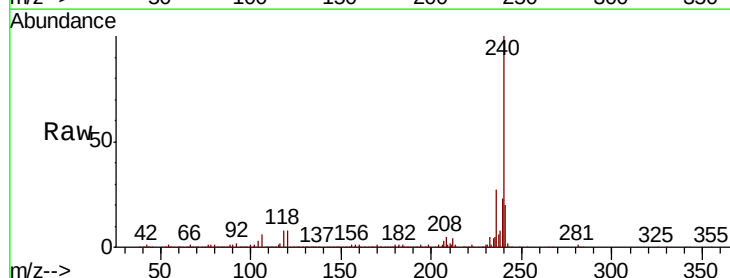


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

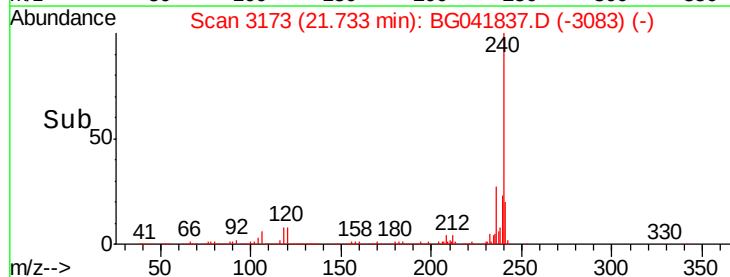
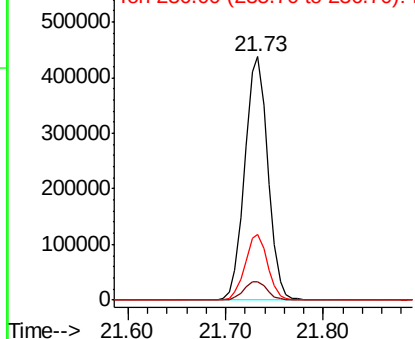


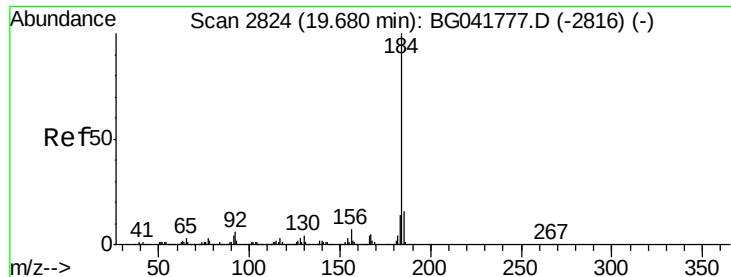
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BG041837.D
 Acq: 31 Jul 2019 17:34

Tgt Ion:240 Resp: 726358
 Ion Ratio Lower Upper
 240 100
 120 7.7 8.0 12.0#
 236 27.1 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: 2.321 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.38 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

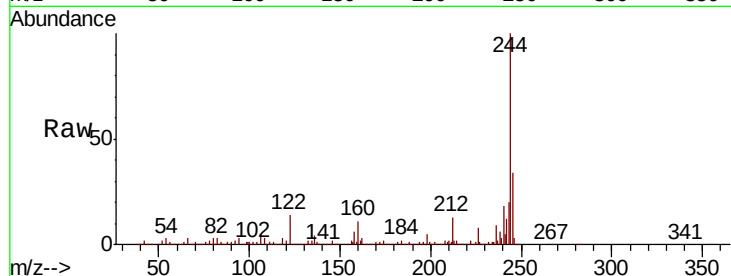
Tgt Ion:184 Resp: 55024

Ion Ratio Lower Upper

184 100

185 17.3 13.0 19.4

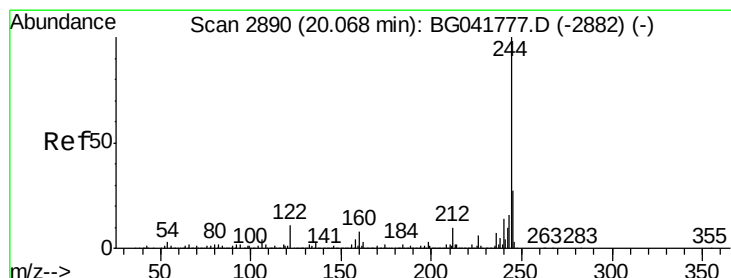
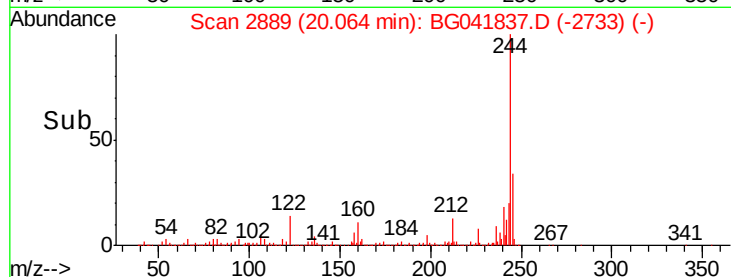
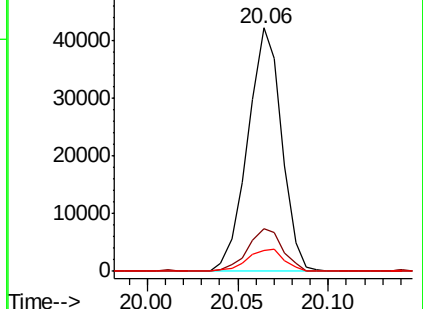
183 8.5 11.8 17.6#



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: 91.344 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041837.D

Acq: 31 Jul 2019 17:34

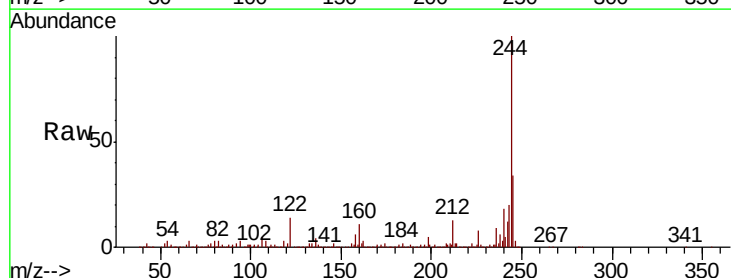
Tgt Ion:244 Resp: 2899524

Ion Ratio Lower Upper

244 100

212 12.6 9.7 14.5

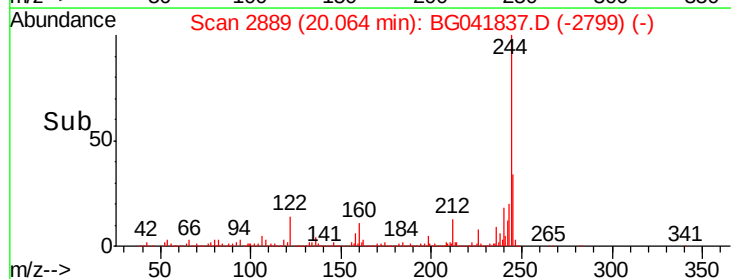
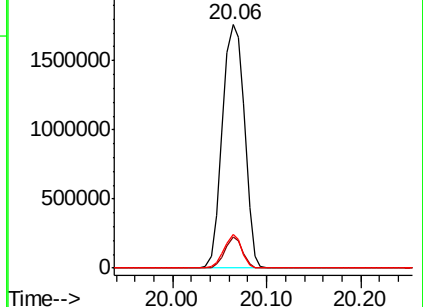
122 13.6 12.5 18.7

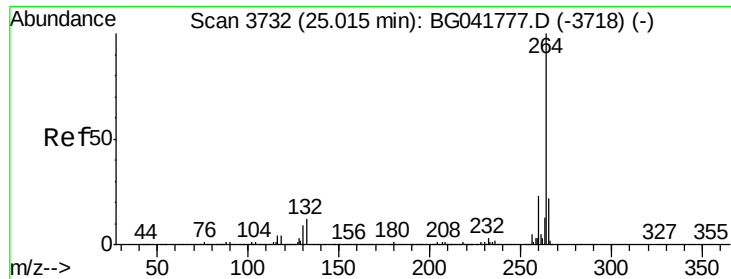


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3730
Delta R.T. -0.01 min
Lab File: BG041837.D
Acq: 31 Jul 2019 17:34

Instrument :
BNA_G
ClientSampleId :
OK-01-072919

Tgt Ion:	264	Resp:	765327
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.3	18.0	27.0

