

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080119\
 Data File : BG041860.D
 Acq On : 1 Aug 2019 12:59
 Operator : HP/JU
 Sample : K3622-16RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 01 14:13:02 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

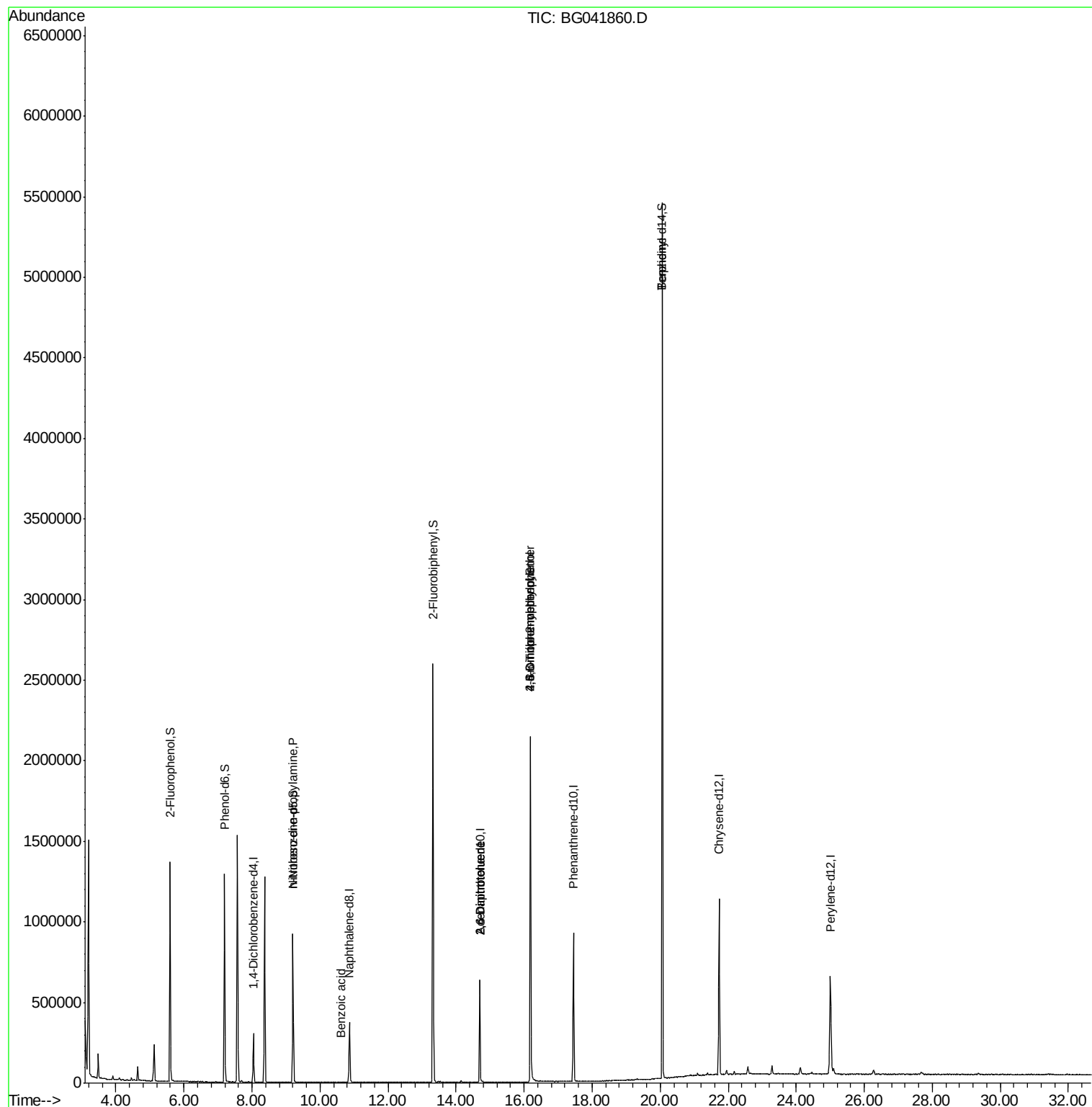
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	94700	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	346816	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	244335	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	589094	20.00	ng	0.00
76) Chrysene-d12	21.73	240	646445	20.00	ng	0.00
87) Perylene-d12	25.00	264	735661	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	611151	125.56	ng	0.00
7) Phenol-d6	7.20	99	752343	114.65	ng	0.00
23) Nitrobenzene-d5	9.21	82	567122	112.53	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	480552	173.15	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1441844	104.08	ng	0.00
79) Terphenyl-d14	20.06	244	2494071	88.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	76388	16.034	ng	# 69
32) Benzoic acid	10.60	122	53	8.742	ng	# 1
51) 2,6-Dinitrotoluene	14.70	165	32400	9.286	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	32400	6.752	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.18	198	1282	7.233	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	35071	4.833	ng	# 1
77) Benzidine	20.06	184	42879	2.032	ng	# 93

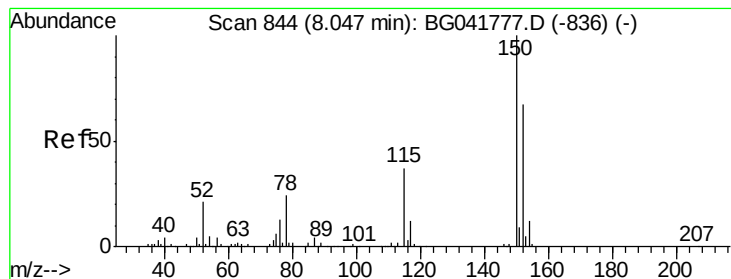
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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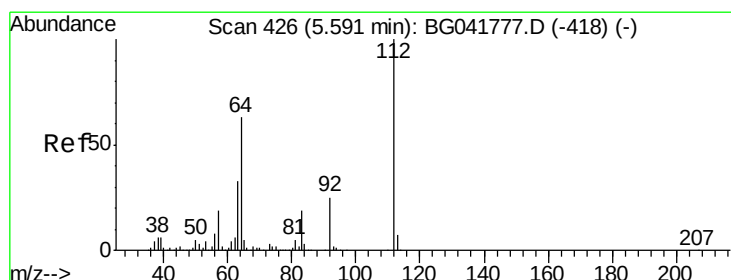
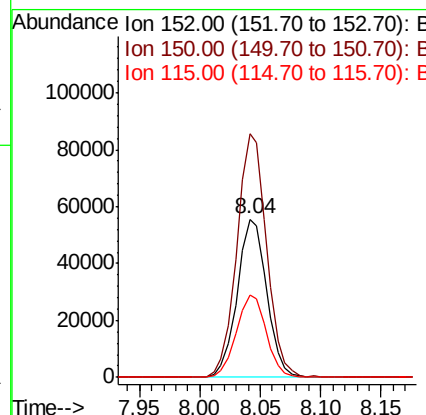
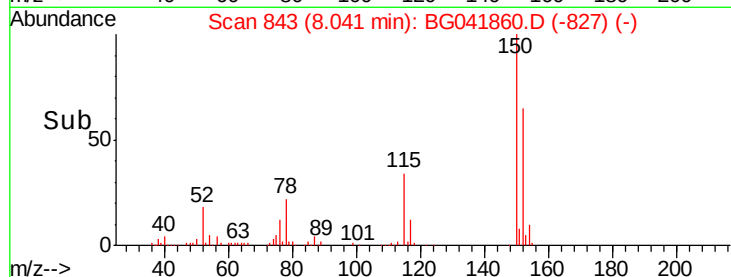
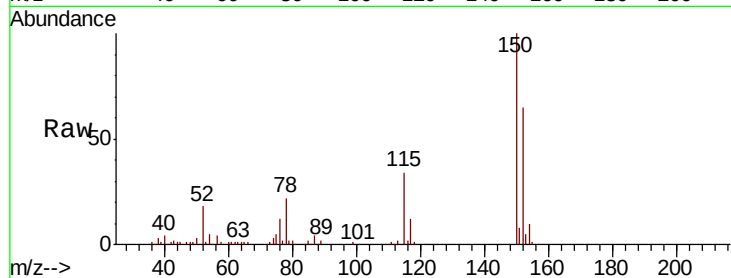


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

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

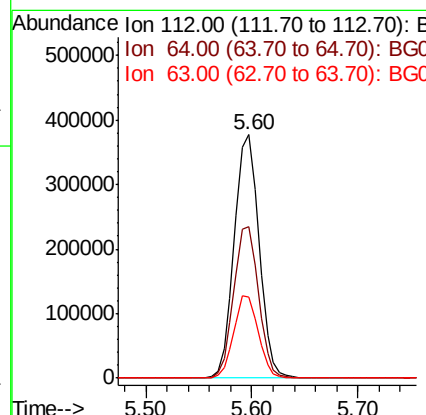
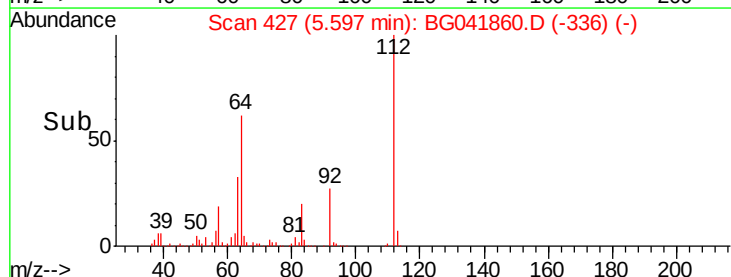
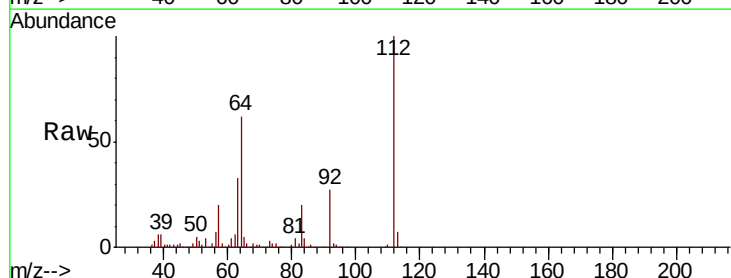
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.9	190.3
115	52.2	45.0	67.6

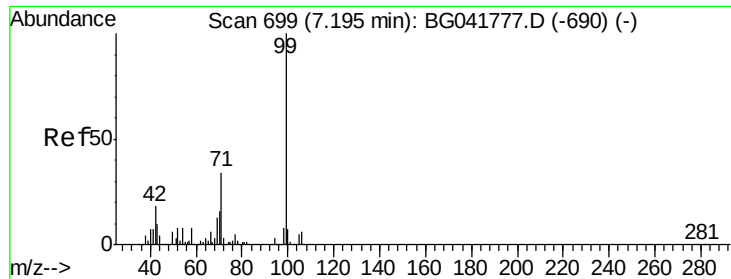


#5

2-Fluorophenol
Concen: 125.562 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	55.4	83.2
63	33.0	29.1	43.7





#7

Phenol-d6

Concen: 114.652 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041860.D

Acq: 1 Aug 2019 12:59

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

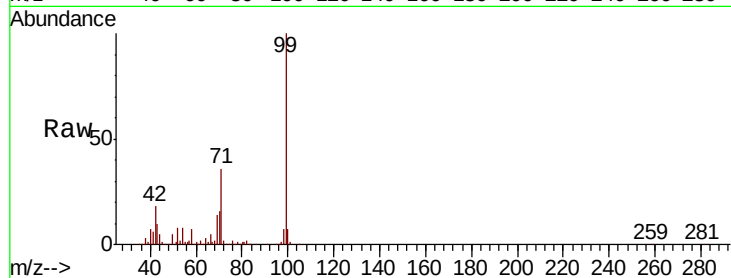
Tot Ion: 99 Resp: 752343

Ion Ratio Lower Upper

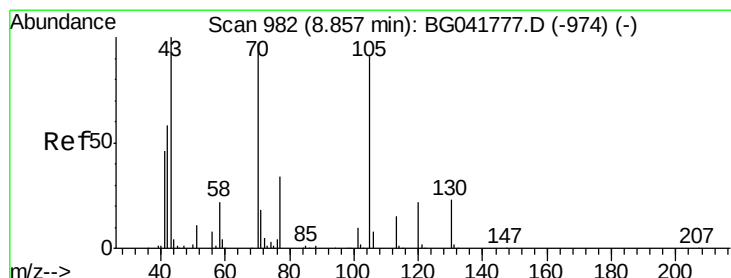
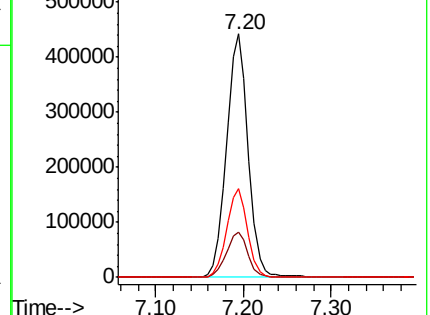
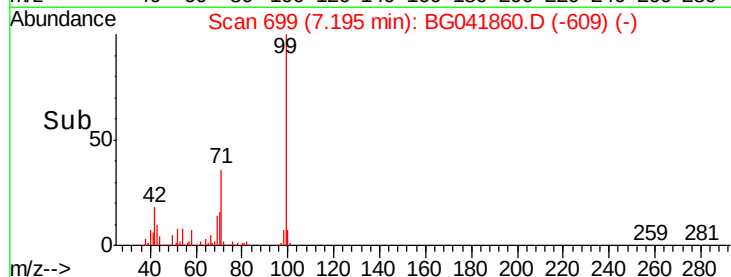
99 100

42 18.5 17.6 26.4

71 36.3 27.8 41.6



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: 16.034 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG041860.D

Acq: 1 Aug 2019 12:59

Tgt Ion: 70 Resp: 76388

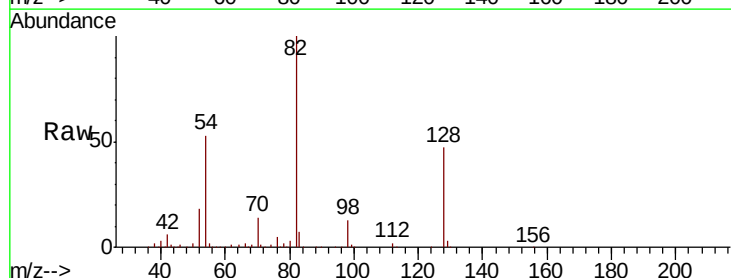
Ion Ratio Lower Upper

70 100

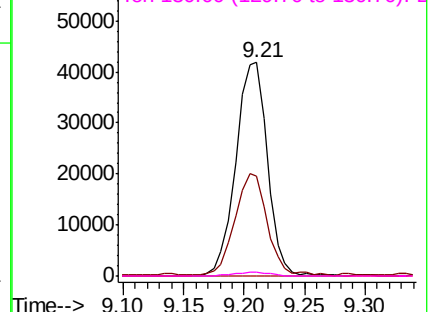
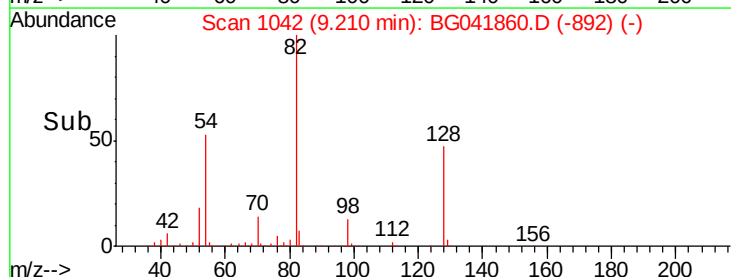
42 46.5 55.8 83.6#

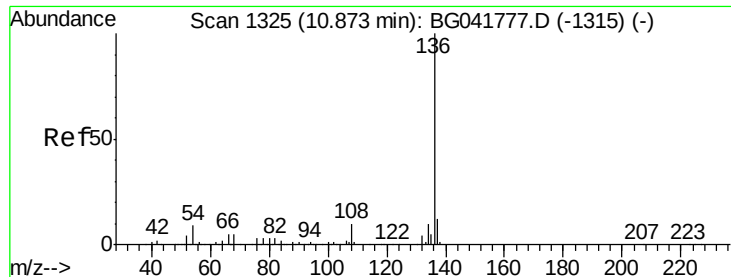
101 0.0 8.1 12.1#

130 2.1 17.3 25.9#



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

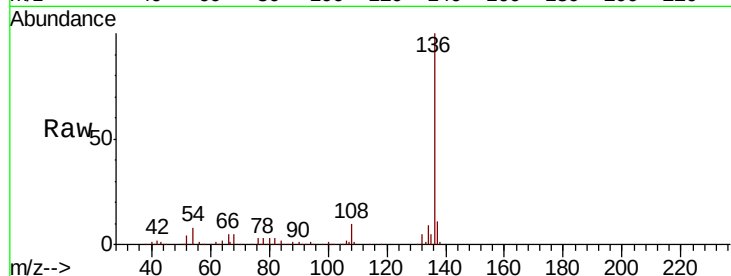




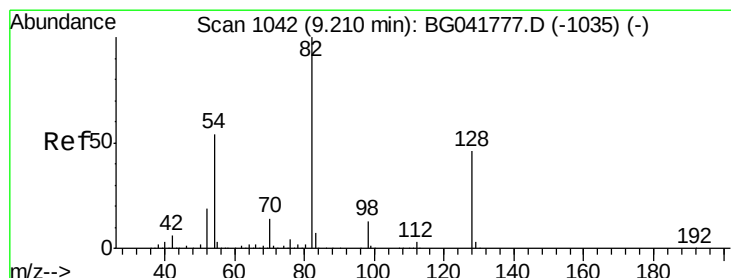
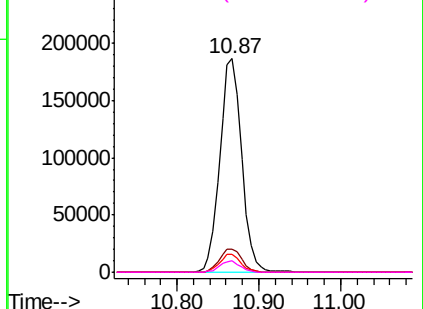
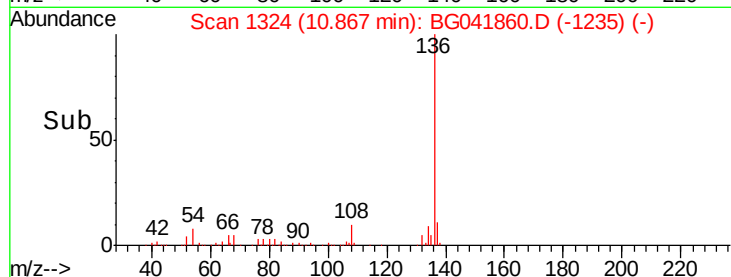
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

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

Tot Ion:136	Resp:	346816
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.2 13.8
54	8.4	8.7 13.1#
68	5.2	5.5 8.3#

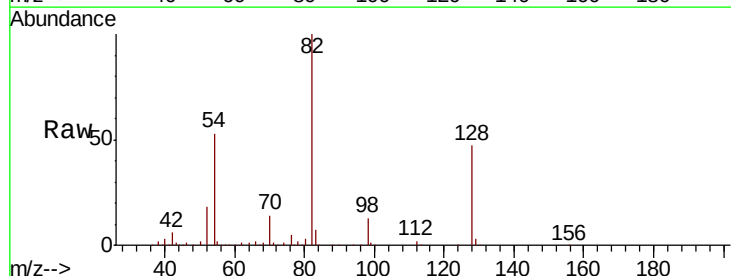


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

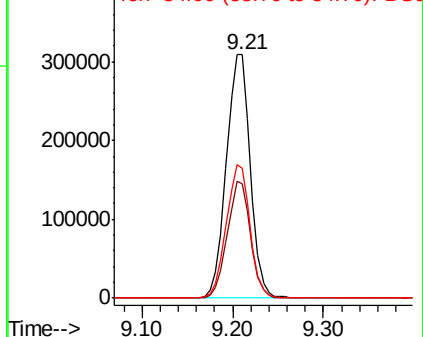
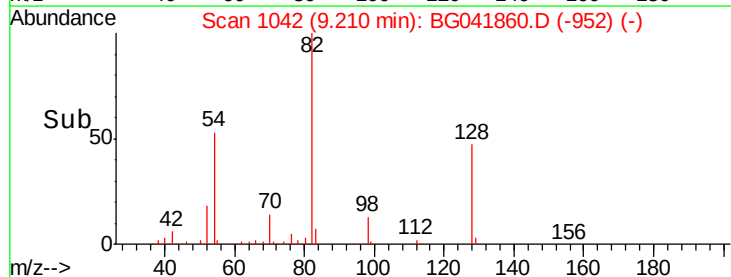


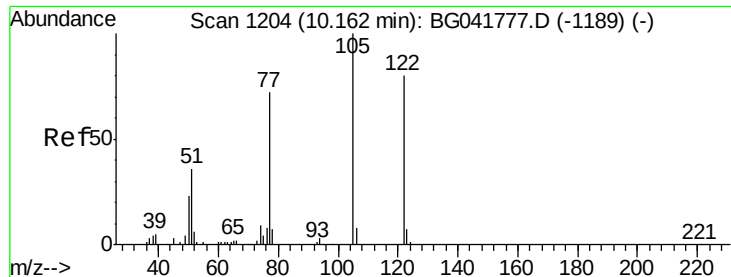
#23
Nitrobenzene-d5
Concen: 112.530 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

Tgt Ion: 82	Resp:	567122
Ion	Ratio	Lower Upper
82	100	
128	47.2	35.1 52.7
54	53.4	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

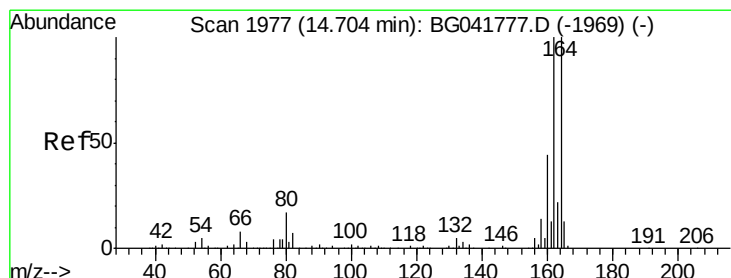
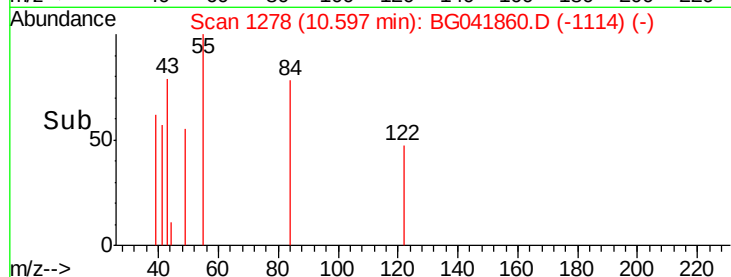
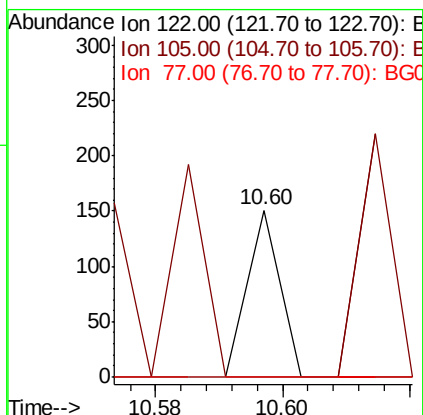
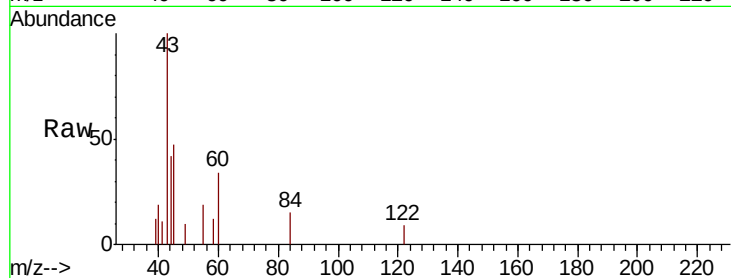




#32
Benzoic acid
Concen: 8.742 ng
RT: 10.60 min Scan# 1278
Delta R.T. 0.44 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

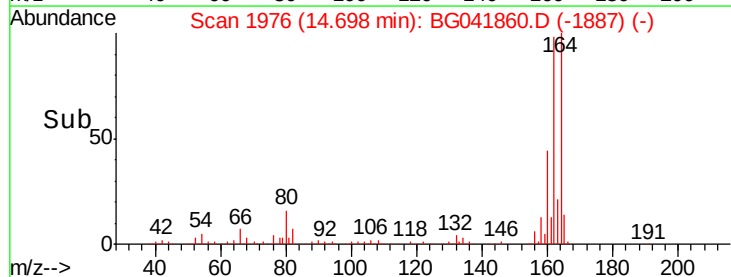
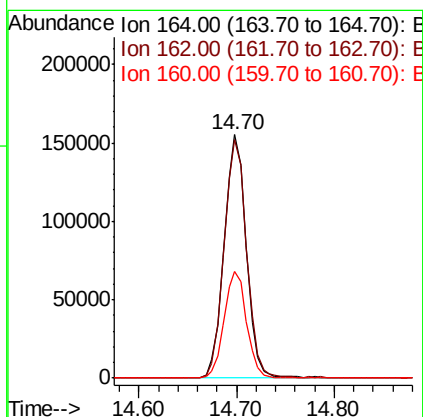
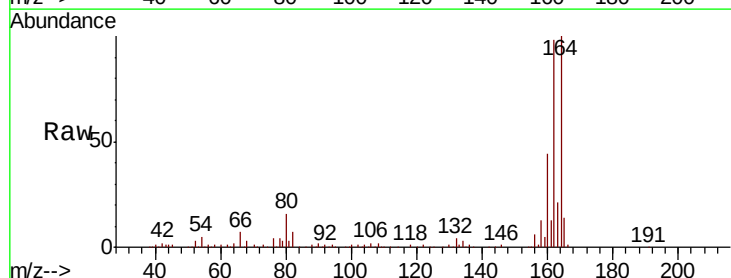
Instrument :
BNA_G
ClientSampleId :
OR-03-072919-B

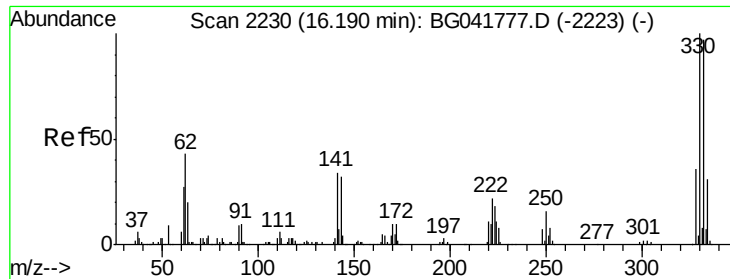
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.6	119.4
160	43.9	35.4	53.0

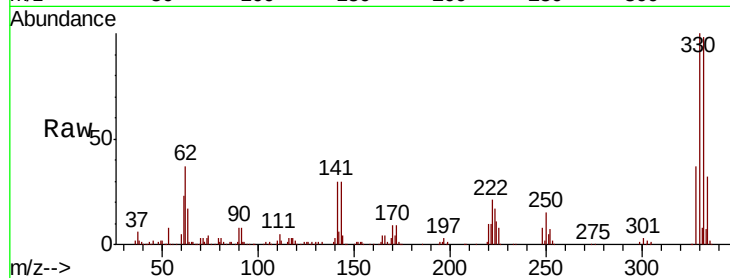




#42
 2,4,6-Tribromophenol
 Concen: 173.152 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	32.2	31.9	47.9

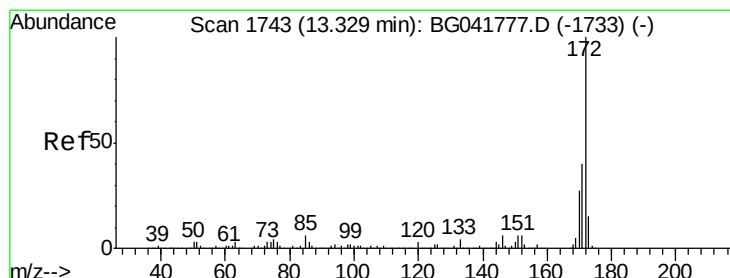
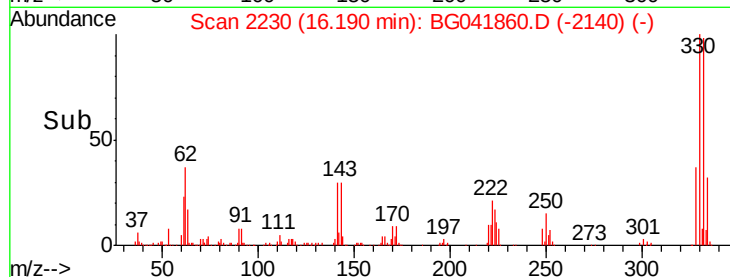
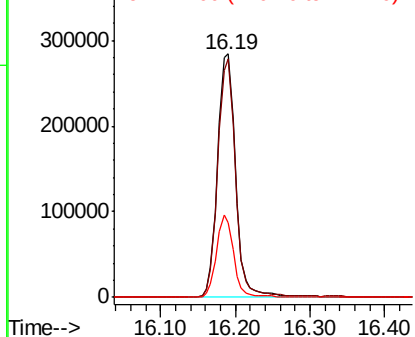


Abundance

Ion 329.80 (329.50 to 330.50): E

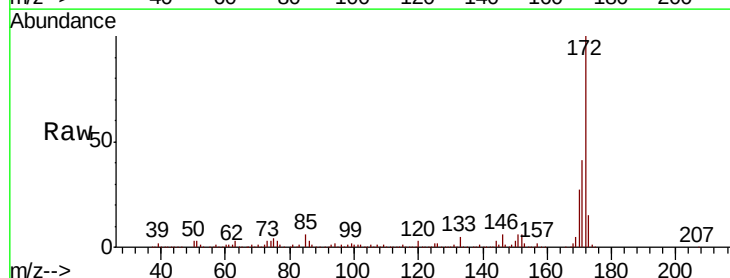
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.079 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	35.0	52.4
170	27.0	23.5	35.3

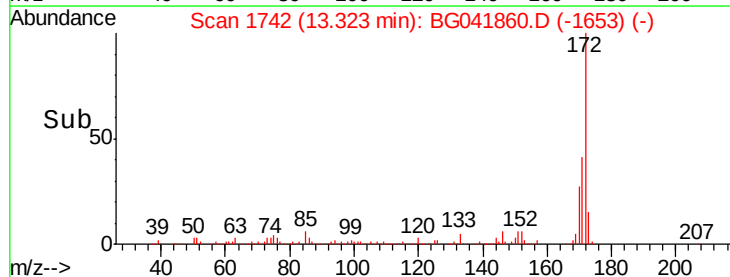
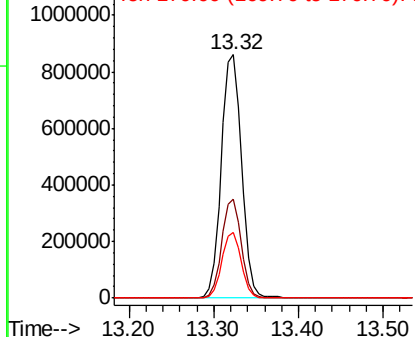


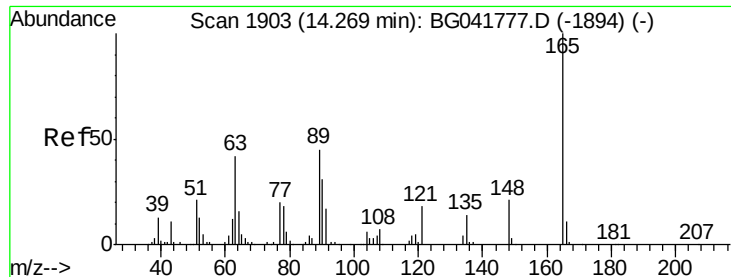
Abundance

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

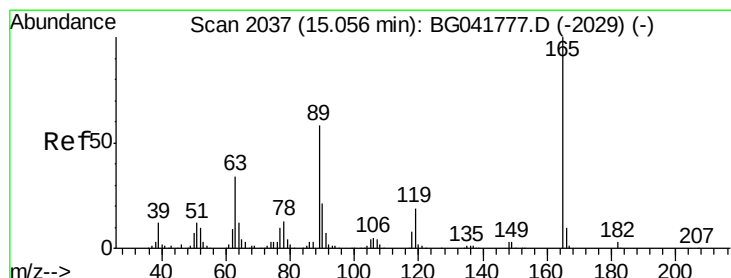
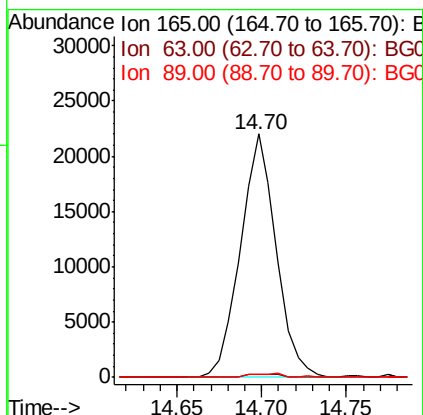
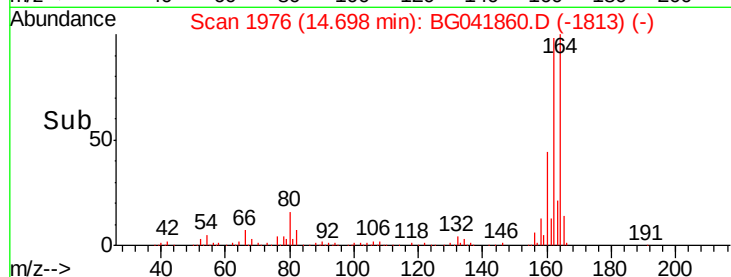
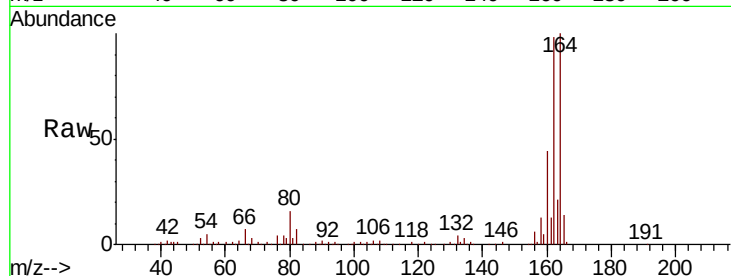




#51
 2,6-Dinitrotoluene
 Concen: 9.286 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

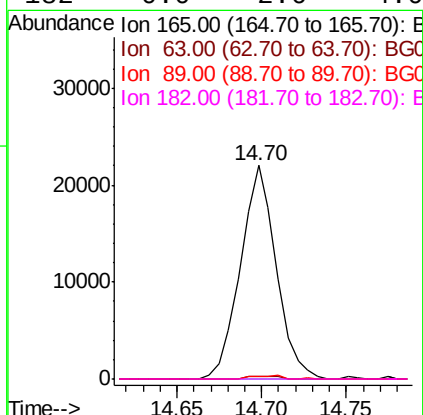
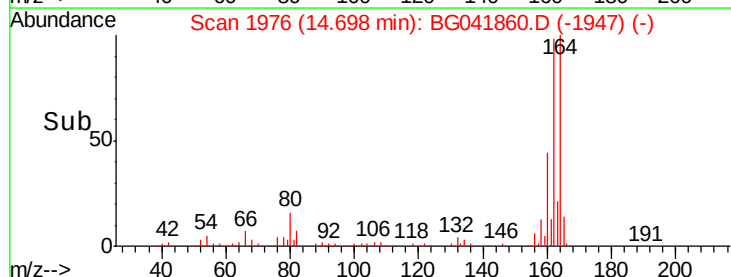
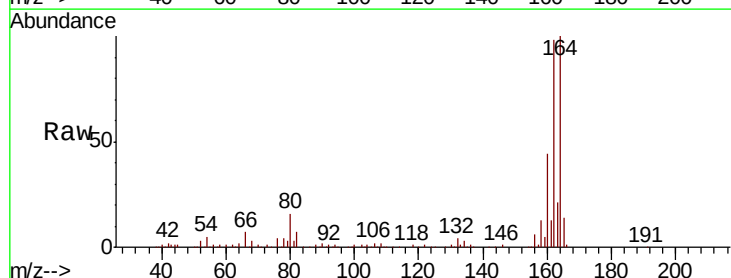
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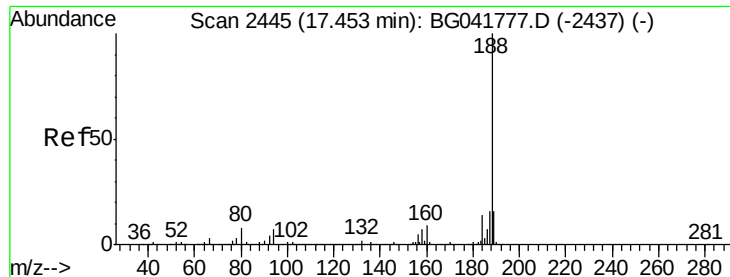
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.4	63.6#
89	1.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.752 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.7	47.5#
89	1.0	50.2	75.4#
182	0.0	2.6	4.0#

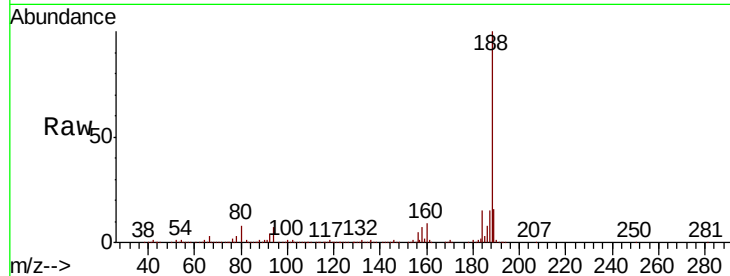




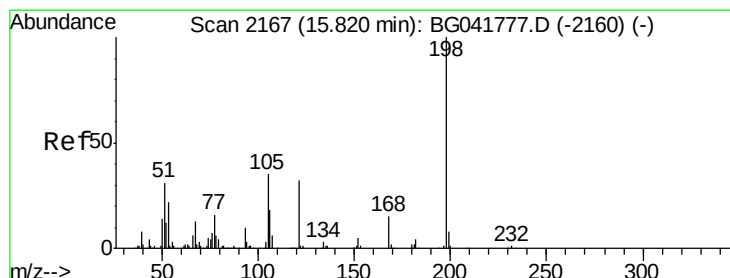
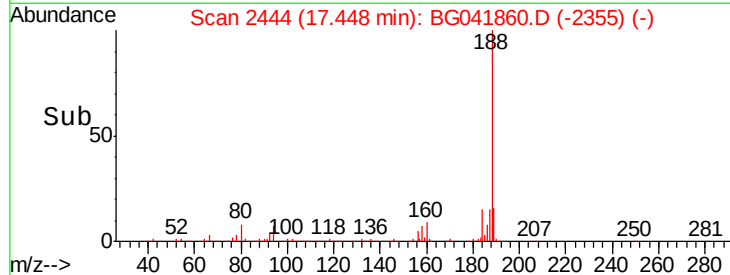
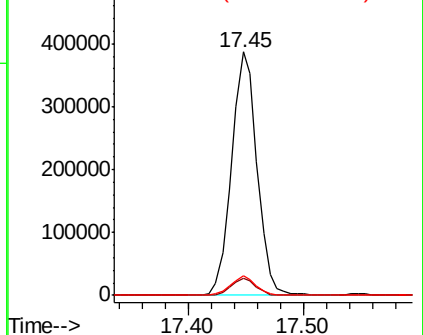
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

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

Tot Ion:188 Resp: 589094
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 7.9 8.0 12.0#

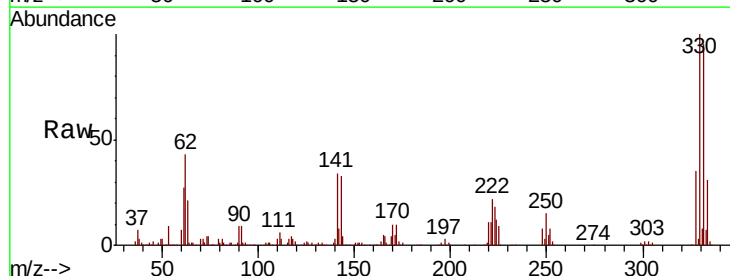


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

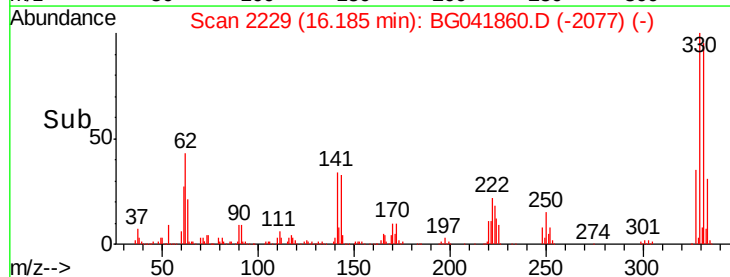
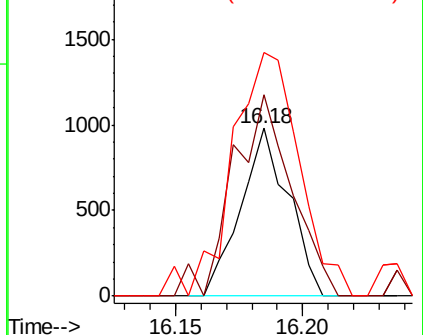


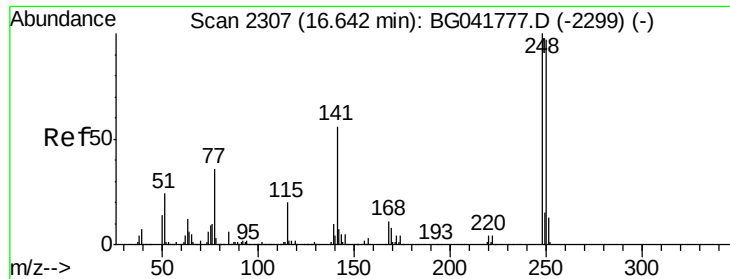
#65
4,6-Dinitro-2-methylphenol
Concen: 7.233 ng
RT: 16.18 min Scan# 2229
Delta R.T. 0.37 min
Lab File: BG041860.D
Acq: 1 Aug 2019 12:59

Tgt Ion:198 Resp: 1282
Ion Ratio Lower Upper
198 100
51 120.2 22.3 62.3#
105 145.4 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

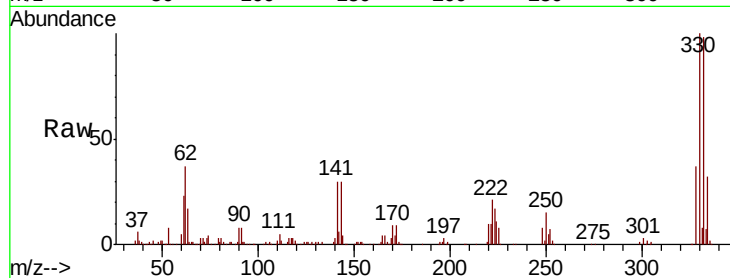




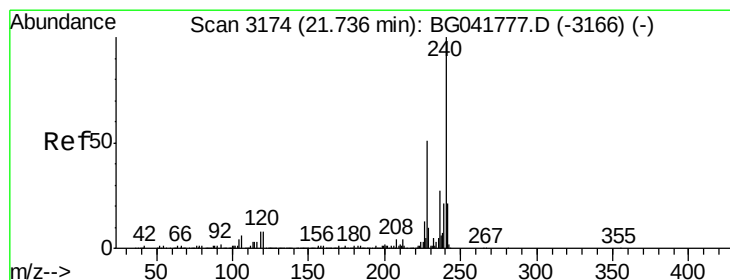
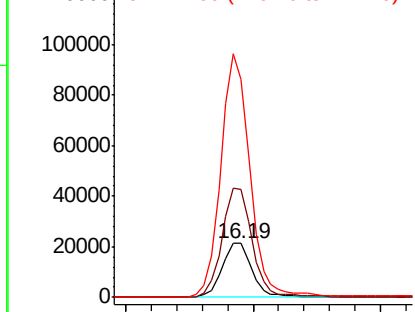
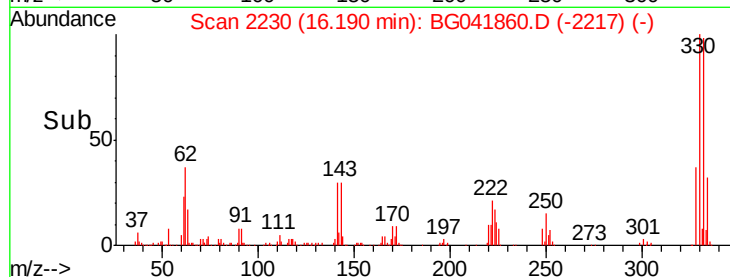
#67
 4-Bromophenyl-phenylether
 Concen: 4.833 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.45 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

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

Tot Ion:248 Resp: 35071
 Ion Ratio Lower Upper
 248 100
 250 200.4 78.1 117.1#
 141 405.0 49.6 74.4#

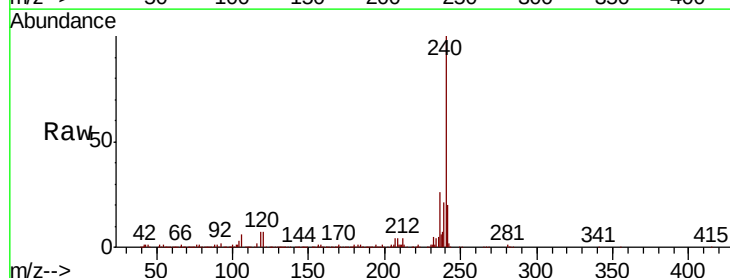


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

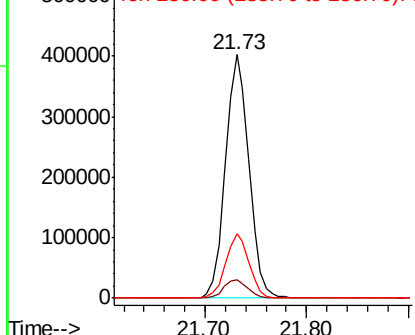
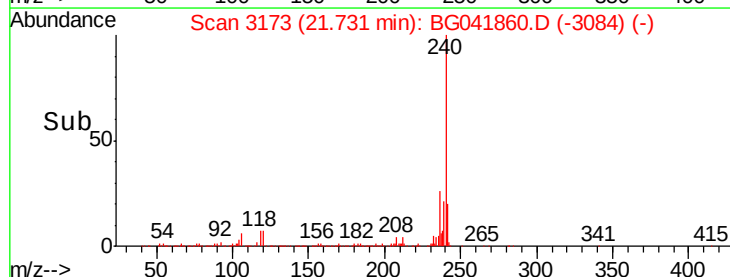


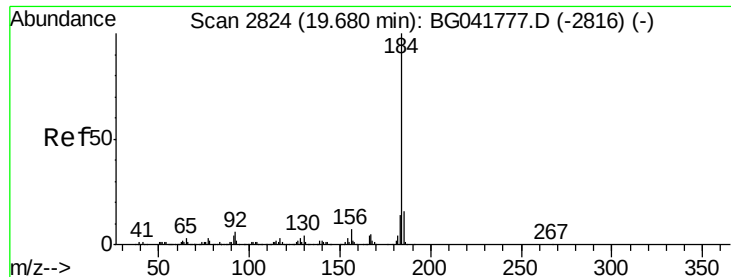
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041860.D
 Acq: 1 Aug 2019 12:59

Tgt Ion:240 Resp: 646445
 Ion Ratio Lower Upper
 240 100
 120 7.4 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: 2.032 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.38 min

Lab File: BG041860.D

Acq: 1 Aug 2019 12:59

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-B

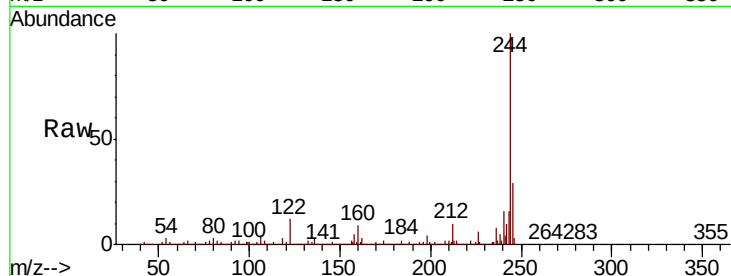
Tot Ion:184 Resp: 42879

Ion Ratio Lower Upper

184 100

185 15.7 13.0 19.4

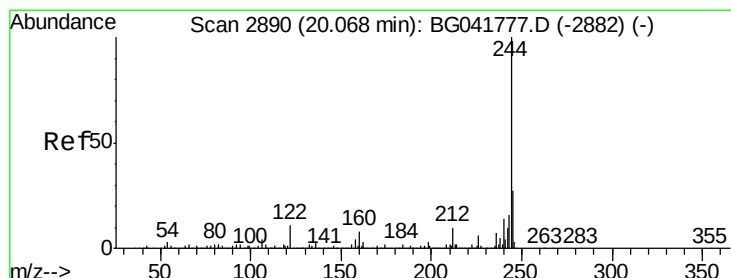
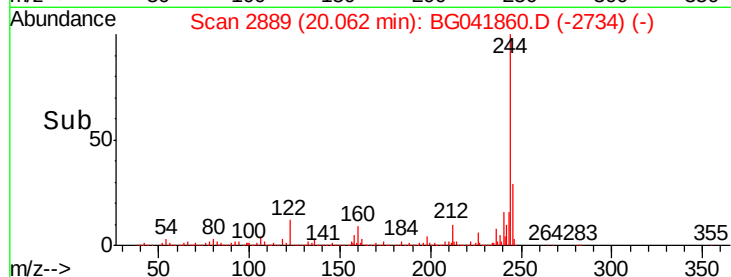
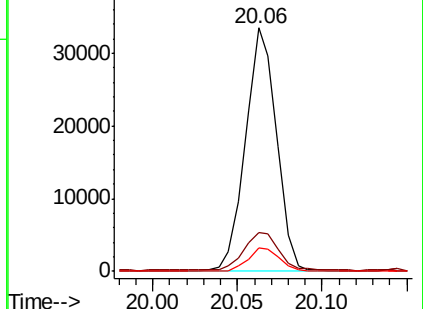
183 9.5 11.8 17.6#



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: 88.284 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041860.D

Acq: 1 Aug 2019 12:59

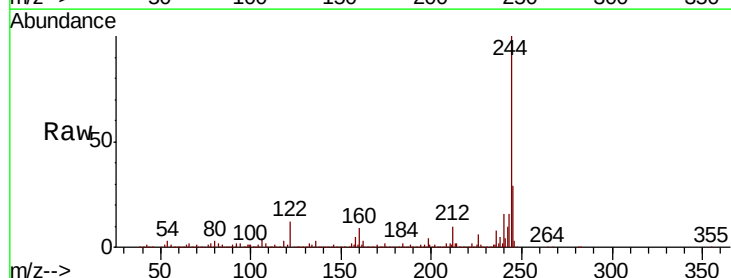
Tgt Ion:244 Resp: 2494071

Ion Ratio Lower Upper

244 100

212 10.4 9.7 14.5

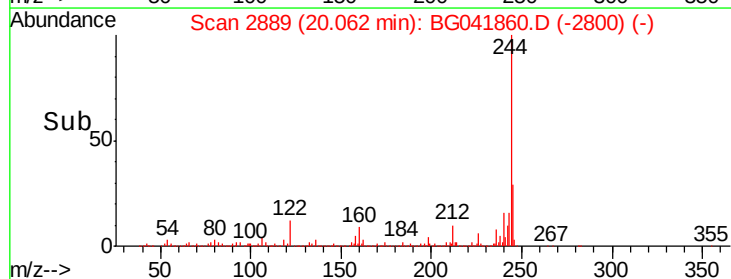
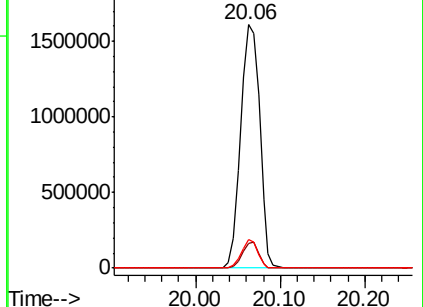
122 11.9 12.5 18.7#

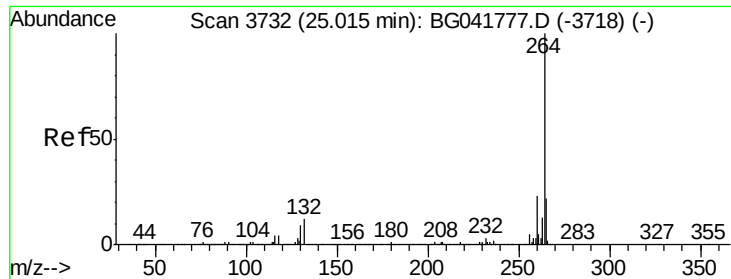


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041860.D
Acq: 1 Aug 2019 12:59

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	18.0	27.0

