

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071819\
 Data File : BG041713.D
 Acq On : 18 Jul 2019 17:09
 Operator : HP/JU
 Sample : K3835-46
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 18:09:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	111840	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	462127	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	282513	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	685443	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	667681	20.00	ng	-0.01
87) Perylene-d12	24.84	264	750117	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	686491	100.34	ng	0.00
7) Phenol-d6	7.20	99	952951	103.56	ng	0.00
23) Nitrobenzene-d5	9.20	82	576318	75.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	383007	120.30	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1348725	73.93	ng	0.00
79) Terphenyl-d14	20.00	244	1903521	66.62	ng	0.00

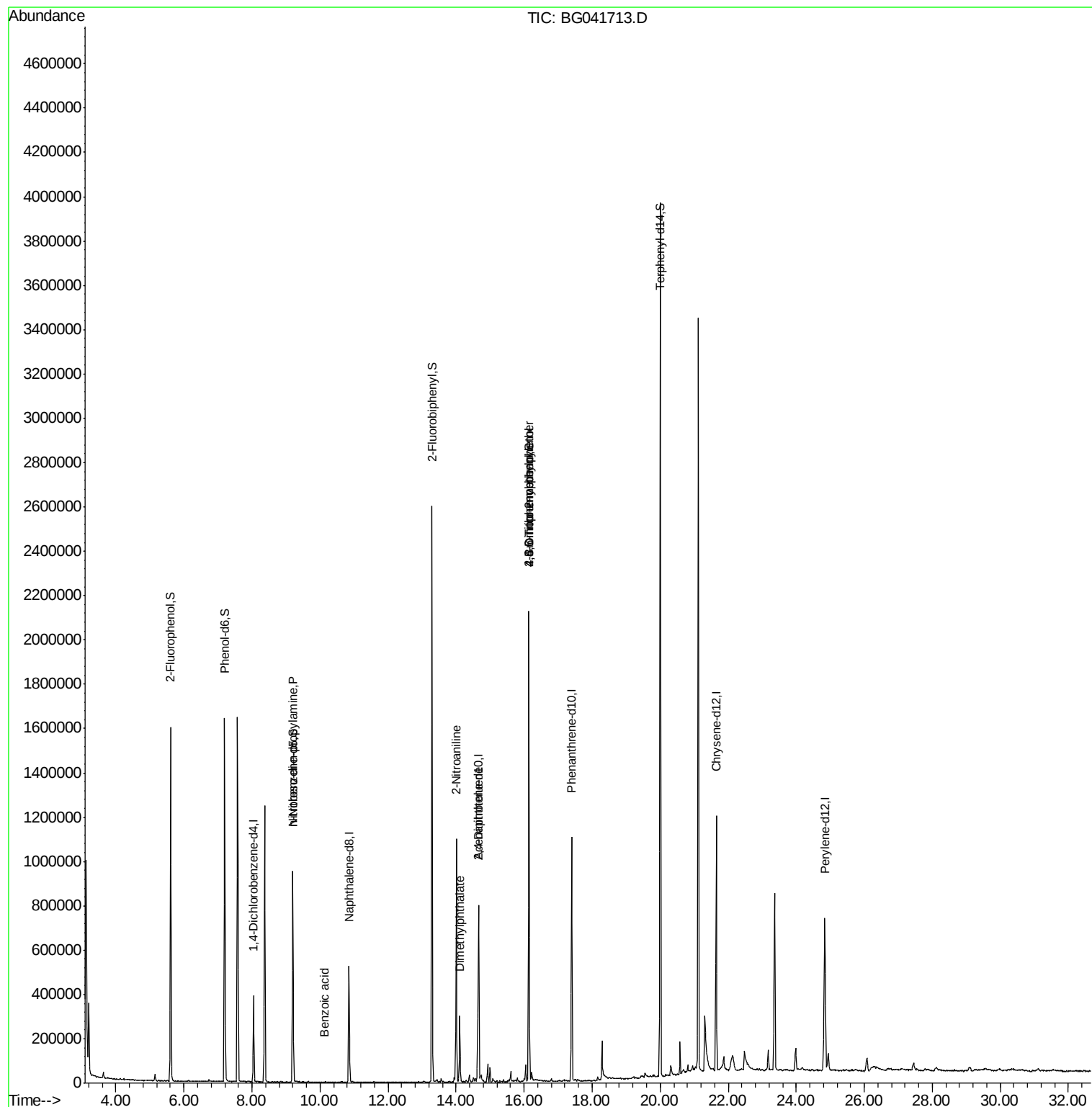
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2040	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	78107	11.613	ng	# 73
32) Benzoic acid	10.13	122	62	6.023	ng	# 1
48) 2-Nitroaniline	14.01	65	21066	4.102	ng	# 12
50) Dimethylphthalate	14.11	163	209258	9.431	ng	96
57) 2,4-Dinitrotoluene	14.66	165	35827	5.759	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.14	198	1304	7.019	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	29670	3.638	ng	# 1
77) Benzidine	20.00	184	31655	Below Cal	#	91

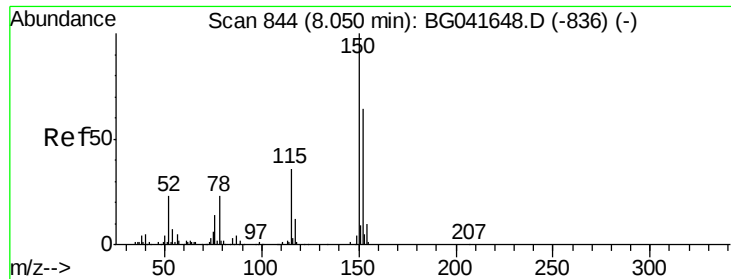
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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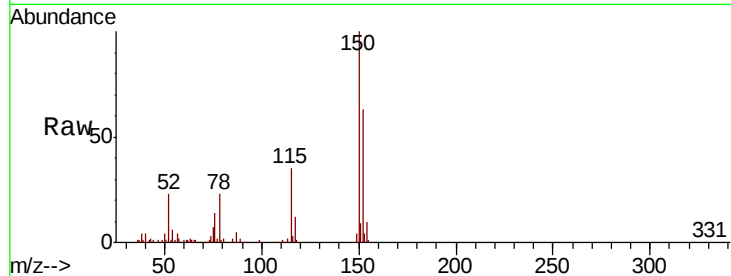


#1

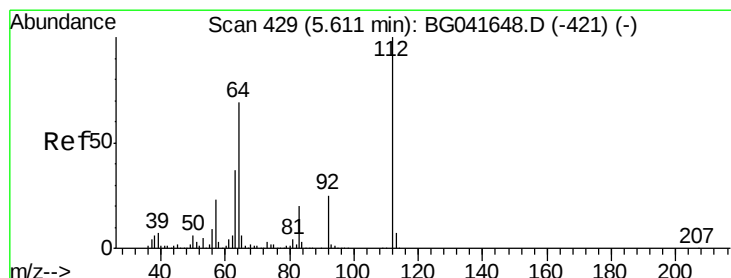
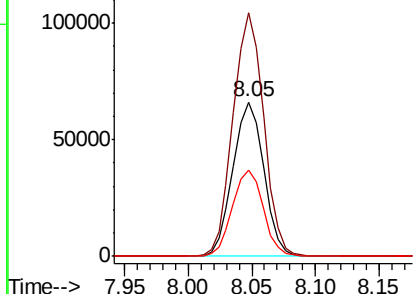
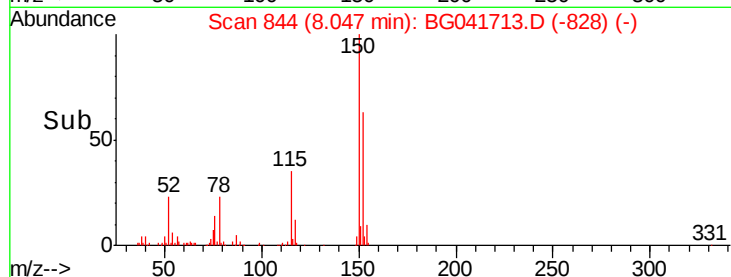
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.9	190.3
115	55.7	45.0	67.6



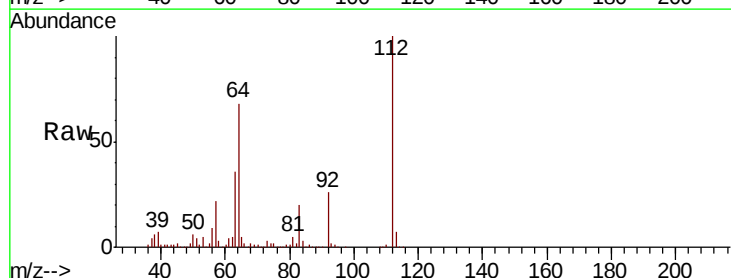
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



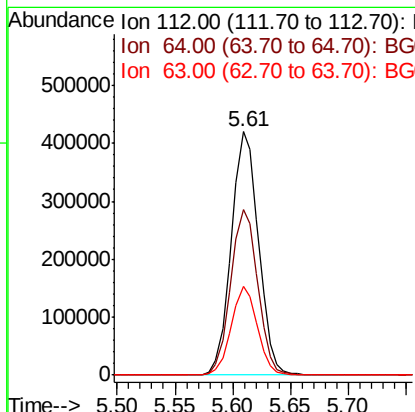
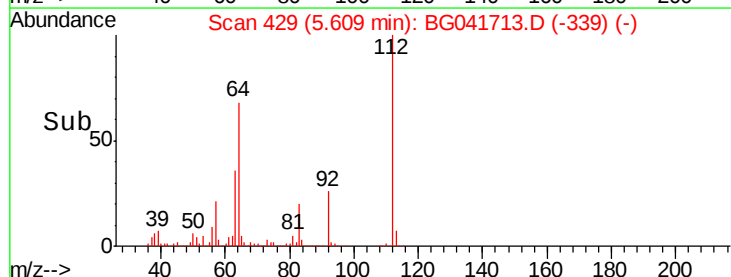
#5

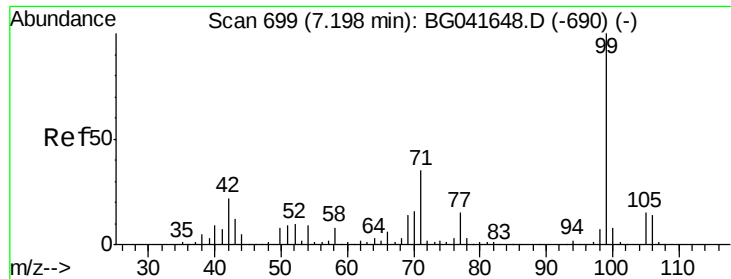
2-Fluorophenol
Concen: 100.343 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	55.4	83.2
63	36.5	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: 103.559 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041713.D

Acq: 18 Jul 2019 17:09

Instrument :

BNA_G

ClientSampleId :

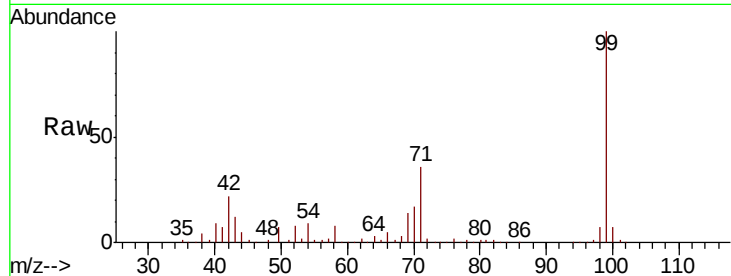
Tot Ion: 99 Resp: 952951

Ion Ratio Lower Upper

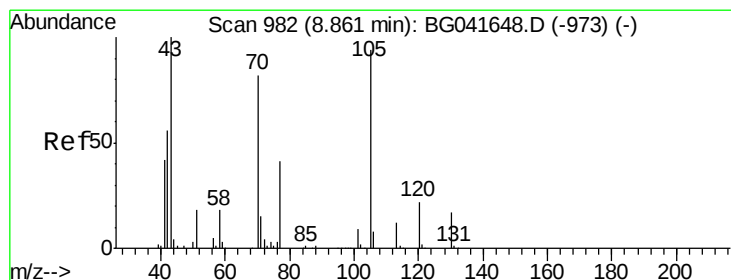
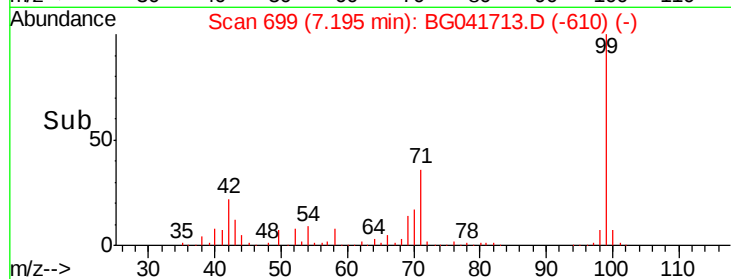
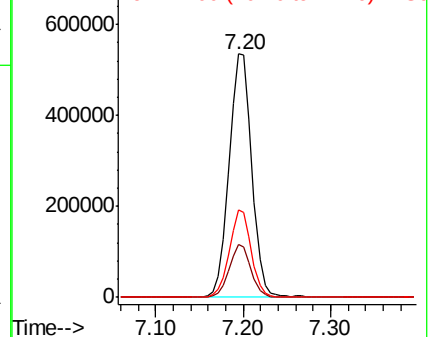
99 100

42 21.8 17.6 26.4

71 35.7 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: 11.613 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041713.D

Acq: 18 Jul 2019 17:09

Tgt Ion: 70 Resp: 78107

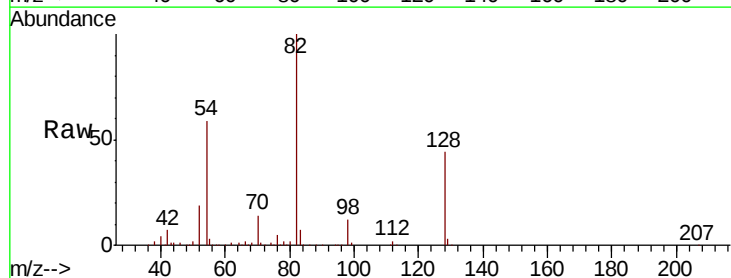
Ion Ratio Lower Upper

70 100

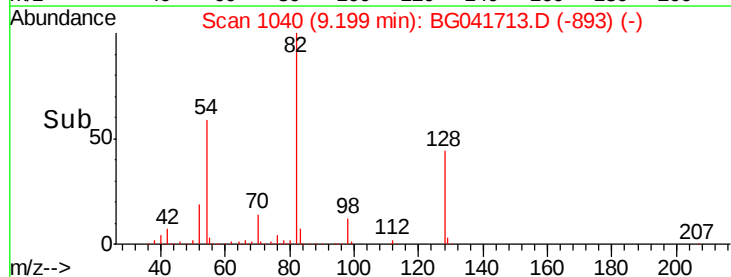
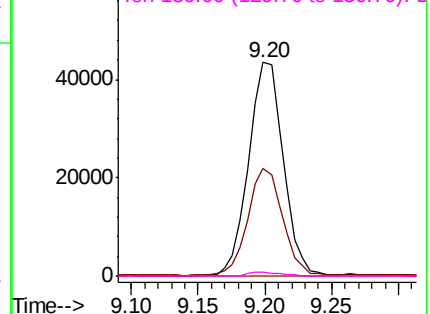
42 50.7 55.8 83.6#

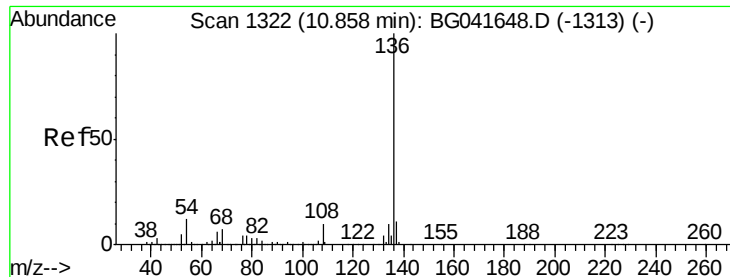
101 0.0 8.1 12.1#

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

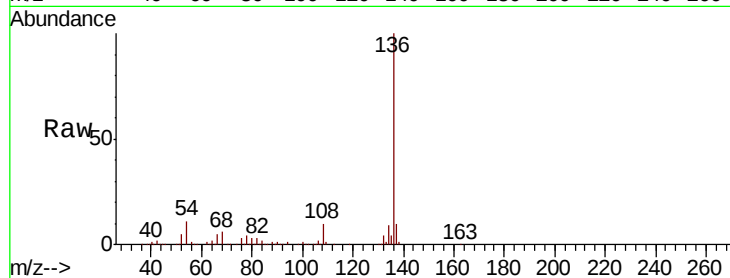




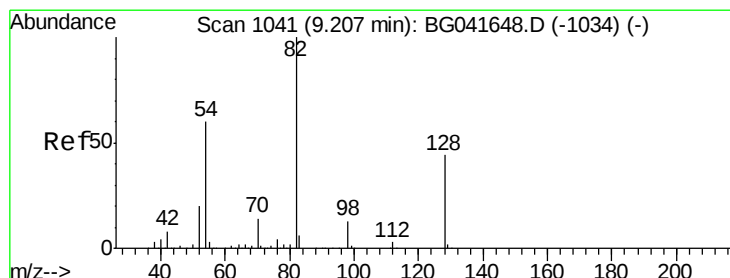
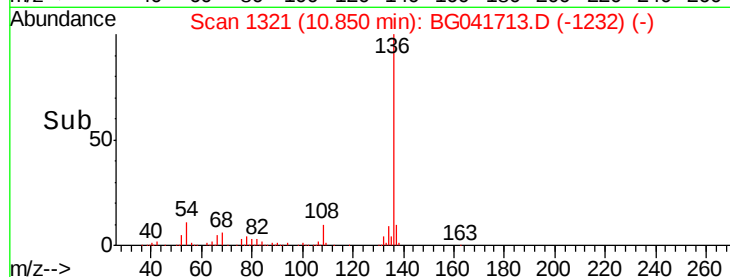
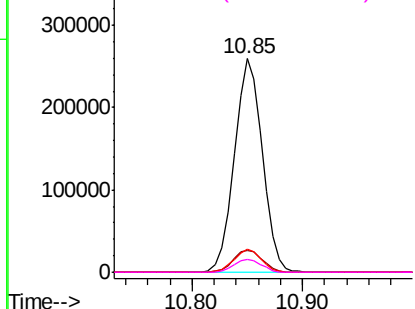
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	462127
Ion Ratio	Lower	Upper
136 100		
137 10.5	9.2	13.8
54 11.0	8.7	13.1
68 6.2	5.5	8.3

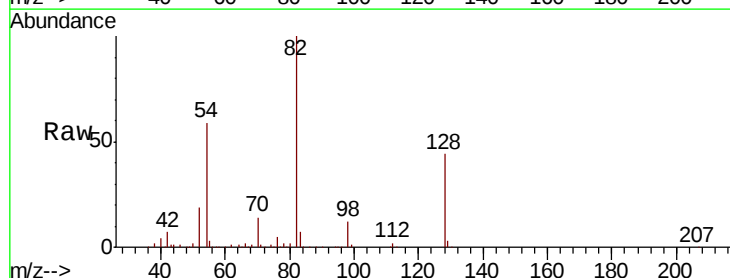


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

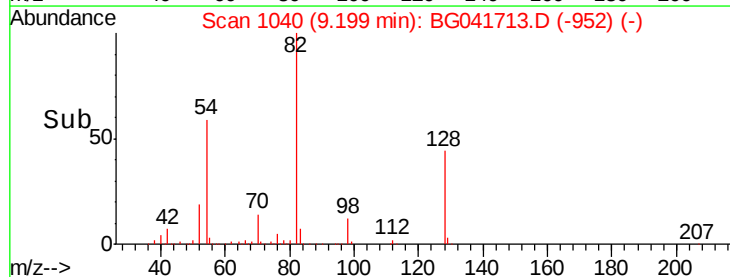
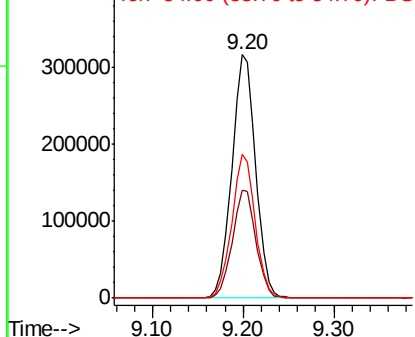


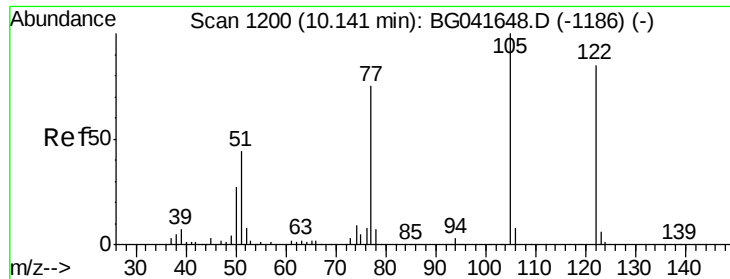
#23
Nitrobenzene-d5
Concen: 75.842 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Tgt Ion: 82	Resp: 576318
Ion Ratio	Lower Upper
82 100	
128 44.5	35.1 52.7
54 59.1	48.7 73.1



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

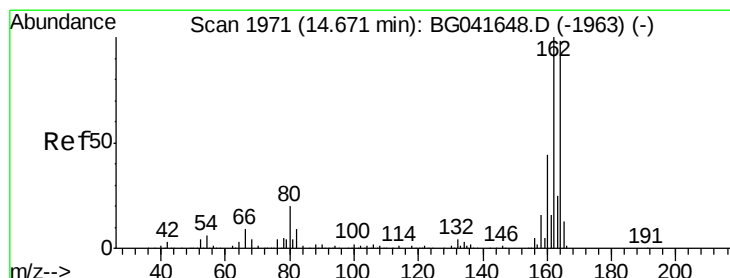
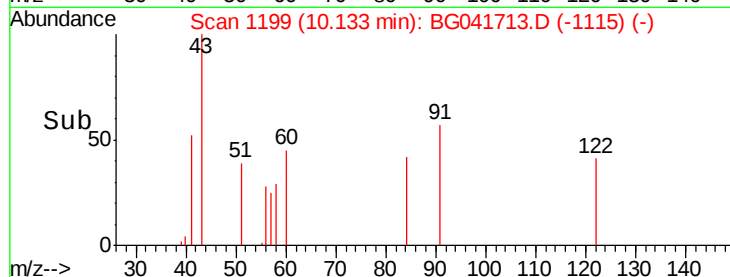
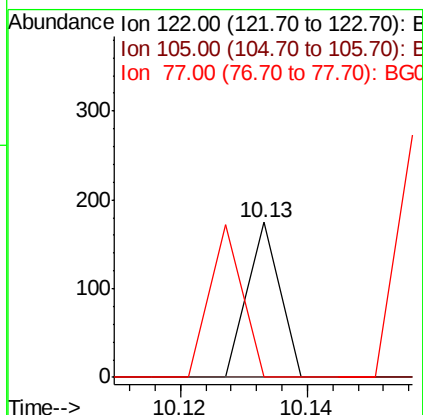
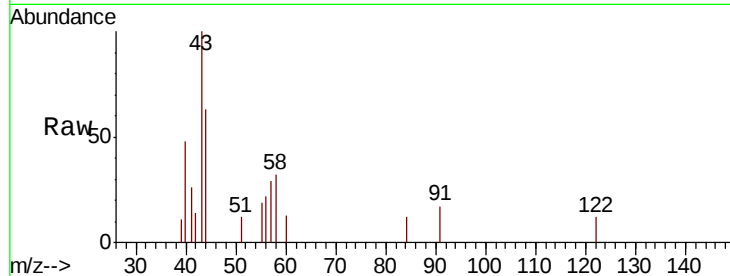




#32
Benzoic acid
Concen: 6.023 ng
RT: 10.13 min Scan# 1199
Delta R.T. -0.04 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

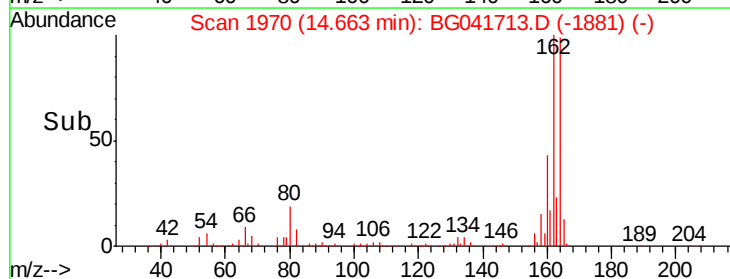
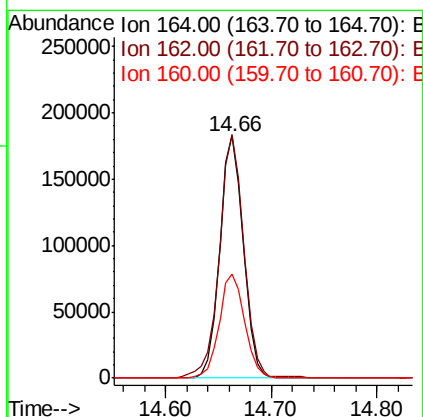
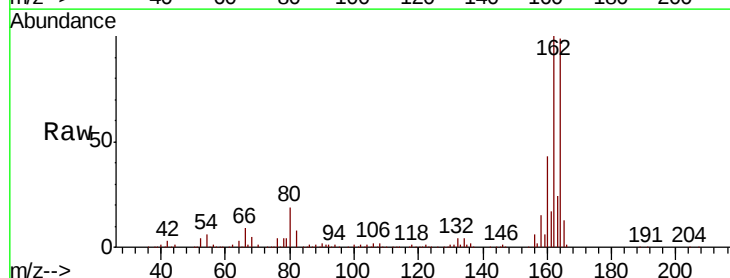
Instrument :
BNA_G
ClientSampled :

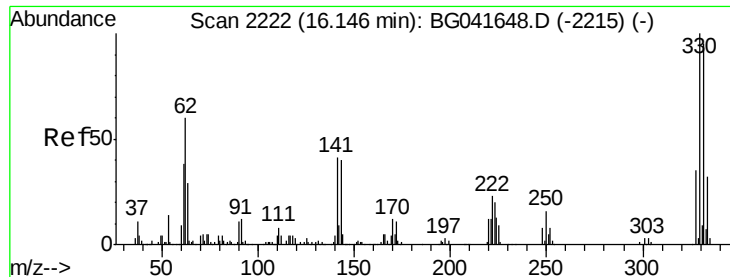
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.6	119.4
160	43.0	35.4	53.0

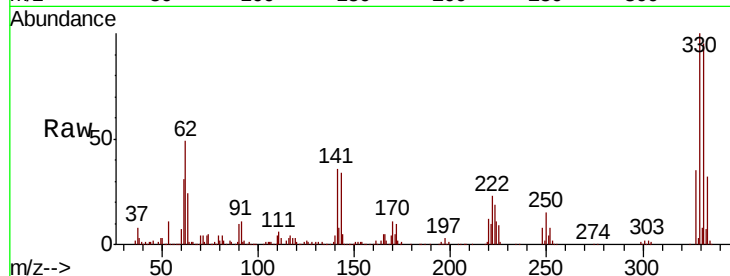




#42
 2,4,6-Tribromophenol
 Concen: 120.296 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	38.3	31.9	47.9

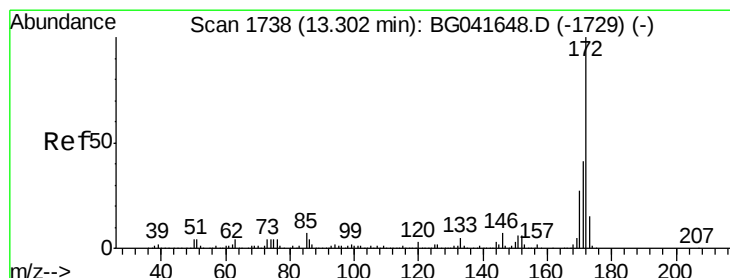
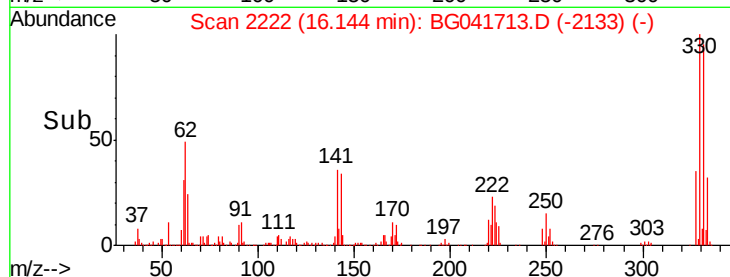
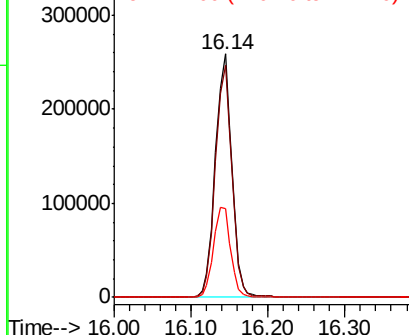


Abundance

Ion 329.80 (329.50 to 330.50): E

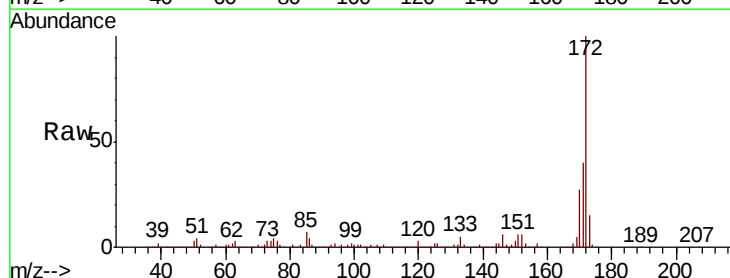
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.926 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.3	35.0	52.4
170	27.1	23.5	35.3

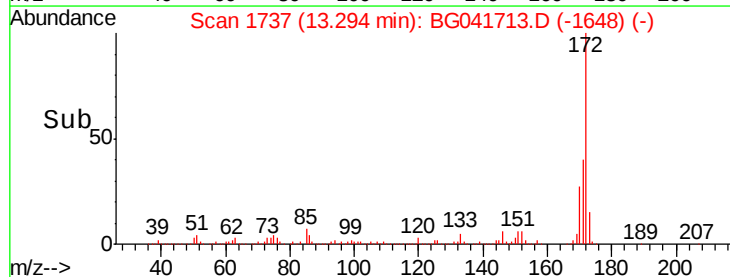
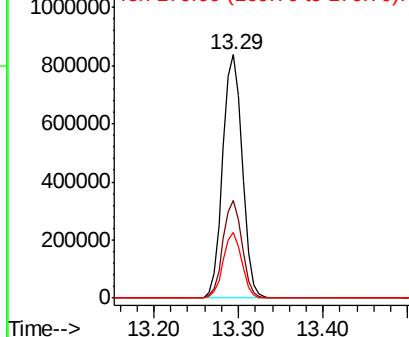


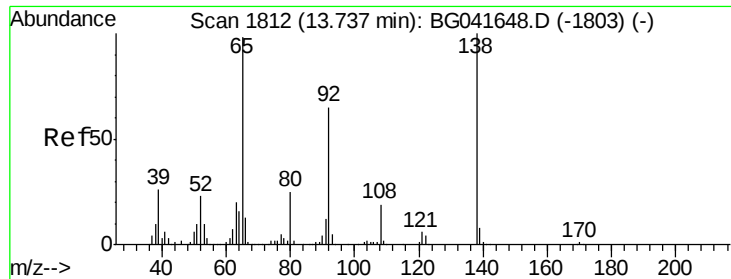
Abundance

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

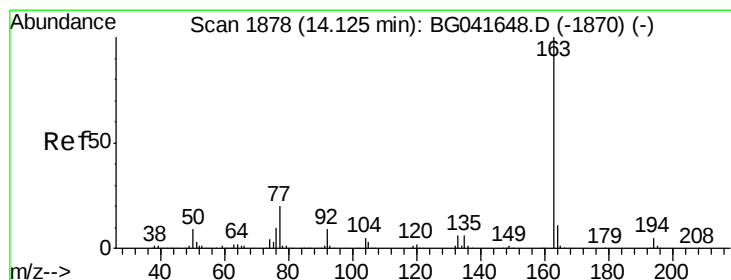
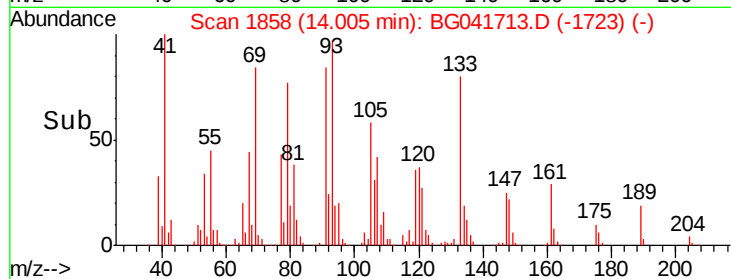
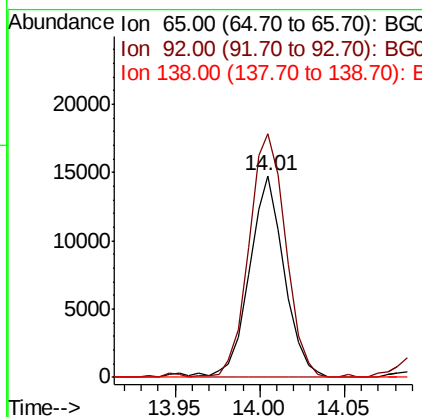
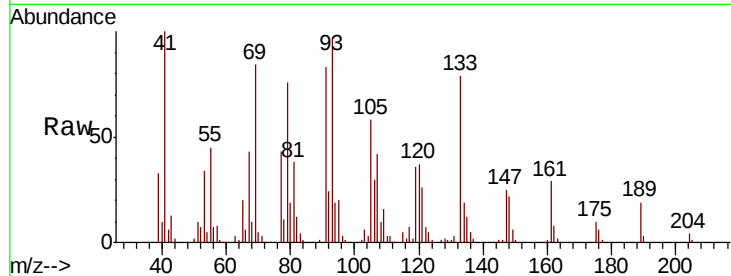




#48
2-Nitroaniline
Concen: 4.102 ng
RT: 14.01 min Scan# 1858
Delta R.T. 0.26 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

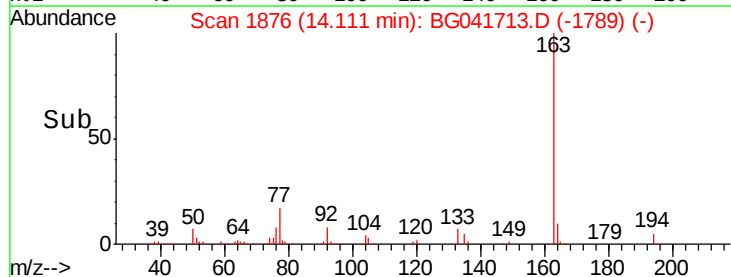
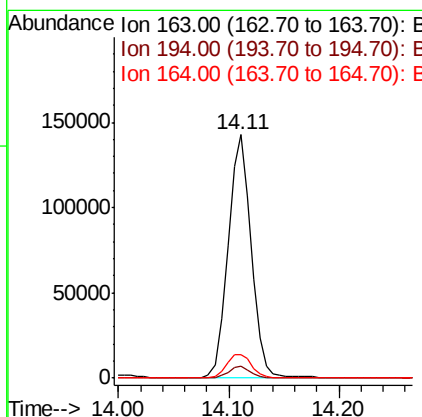
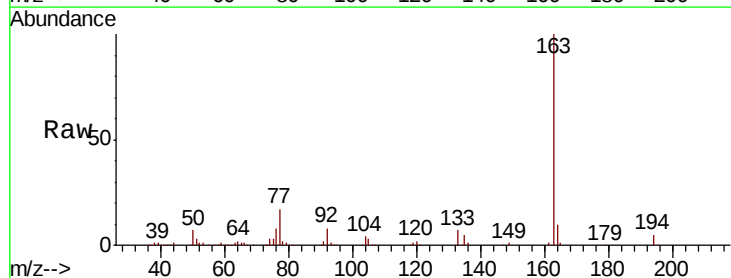
Instrument :
BNA_G
ClientSampled :

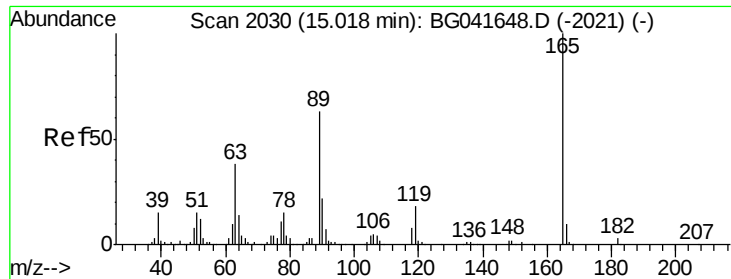
Tot Ion: 65 Resp: 21066
Ion Ratio Lower Upper
65 100
92 120.9 53.9 80.9#
138 0.0 83.5 125.3#



#50
Dimethylphthalate
Concen: 9.431 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Tgt Ion:163 Resp: 209258
Ion Ratio Lower Upper
163 100
194 5.1 4.2 6.2
164 9.7 9.4 14.2

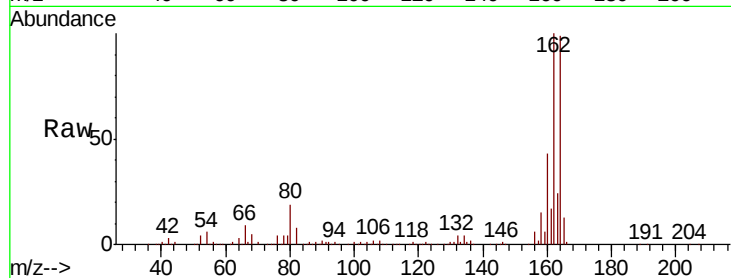




#57
 2,4-Dinitrotoluene
 Concen: 5.759 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

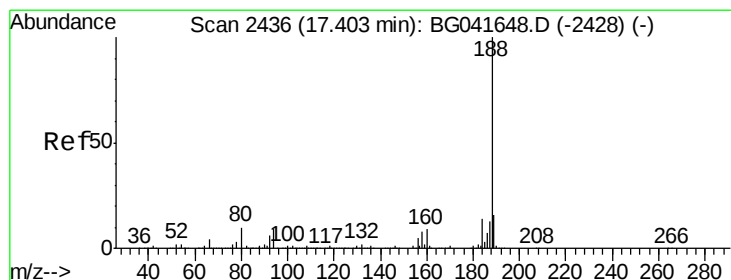
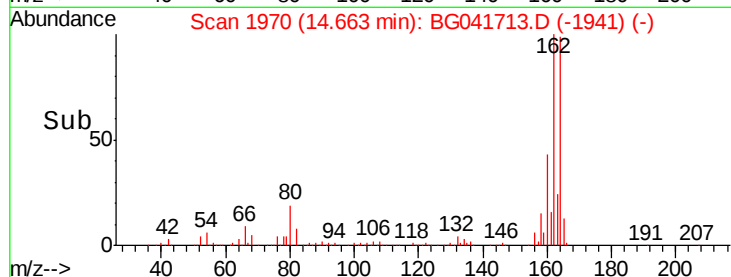
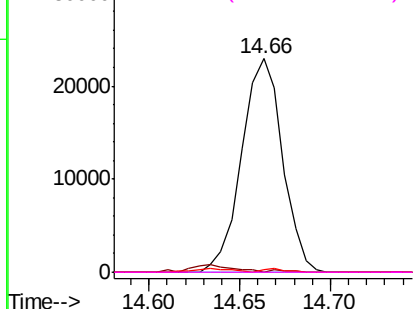


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

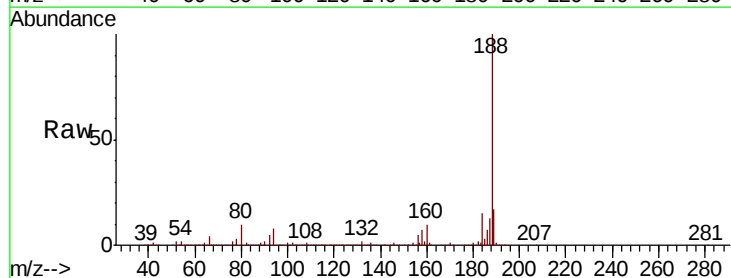
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

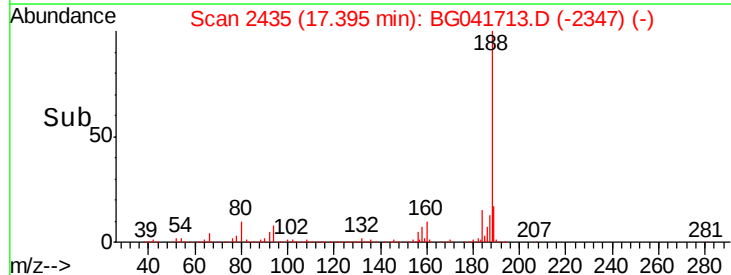
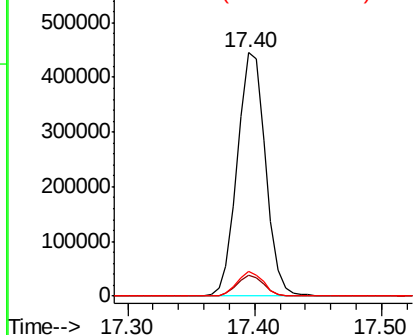
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.1	8.0	12.0

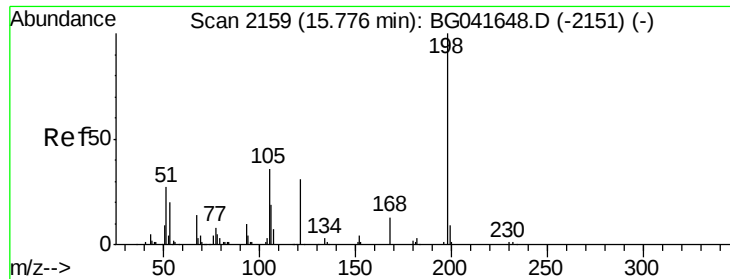


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

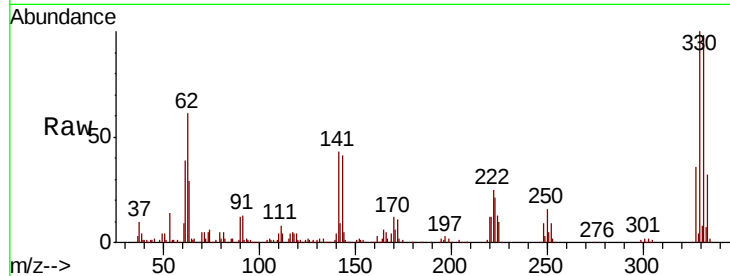




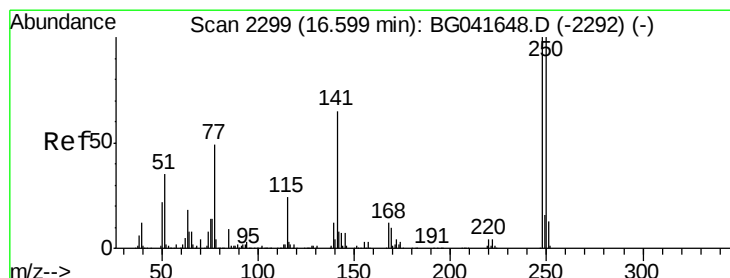
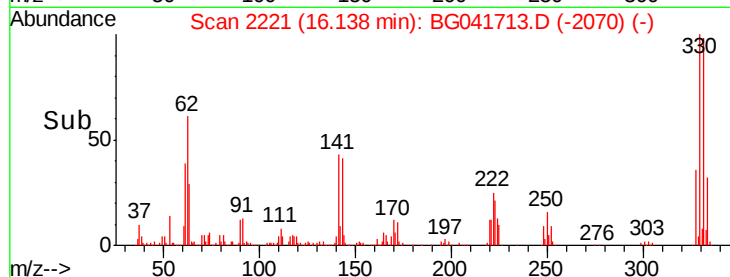
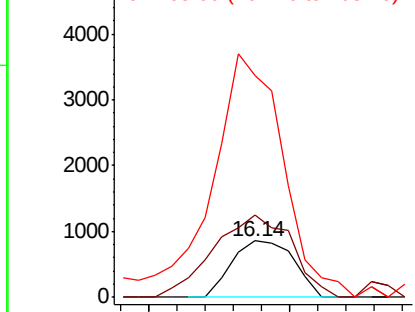
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.019 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.36 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	146.7	22.3	62.3#
105	392.4	18.0	58.0#

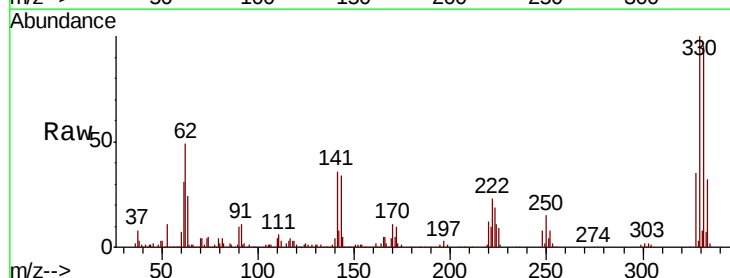


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

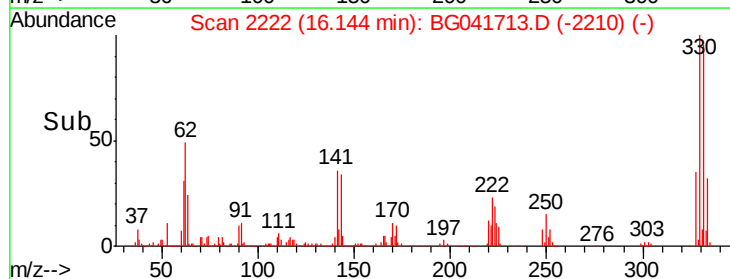
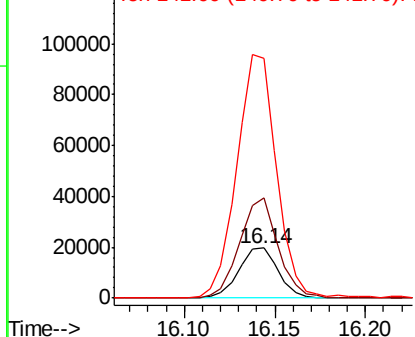


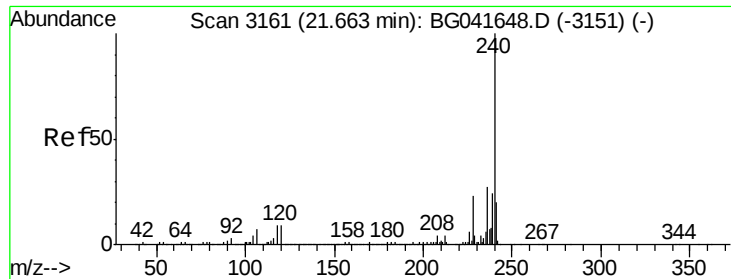
#67
 4-Bromophenyl-phenylether
 Concen: 3.638 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041713.D
 Acq: 18 Jul 2019 17:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	202.0	78.1	117.1#
141	481.4	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: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG041713.D

Acq: 18 Jul 2019 17:09

Instrument :

BNA_G

ClientSampleId :

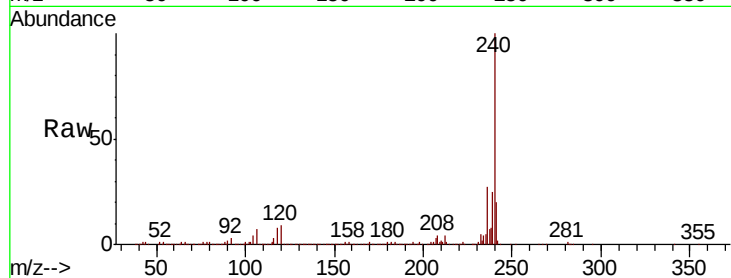
Tot Ion:240 Resp: 667681

Ion Ratio Lower Upper

240 100

120 8.9 8.0 12.0

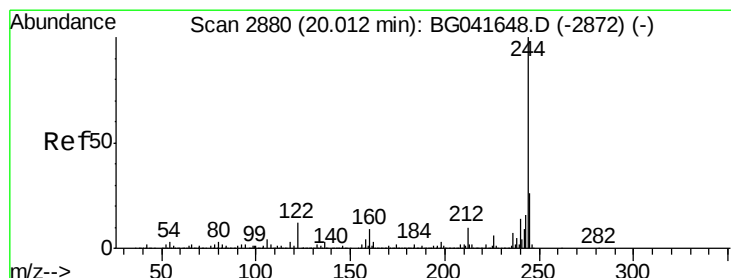
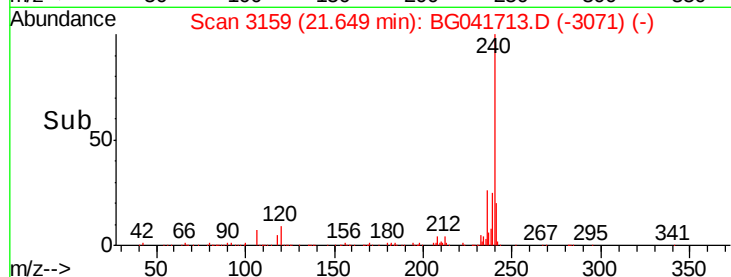
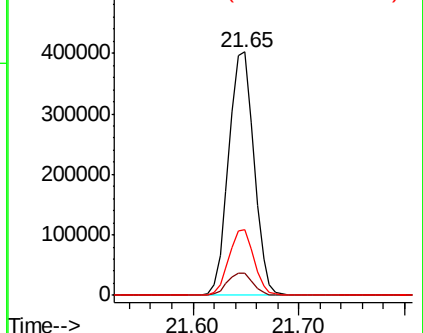
236 26.9 22.6 33.8



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



#79

Terphenyl-d14

Concen: 66.623 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041713.D

Acq: 18 Jul 2019 17:09

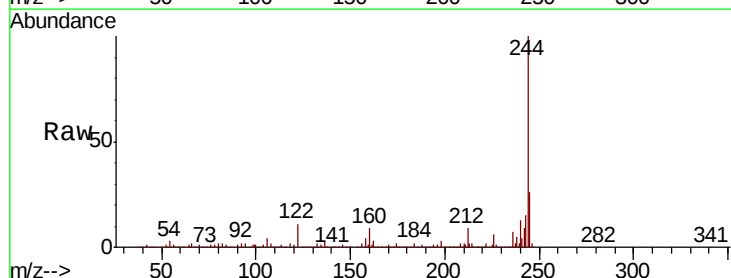
Tgt Ion:244 Resp: 1903521

Ion Ratio Lower Upper

244 100

212 9.3 9.7 14.5#

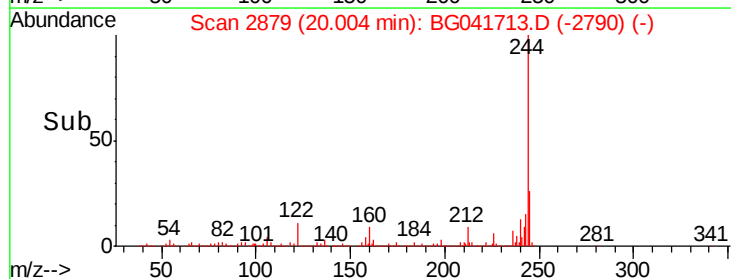
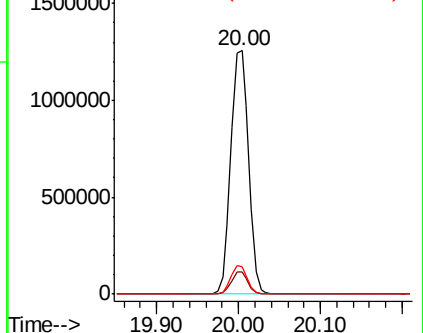
122 11.3 12.5 18.7#

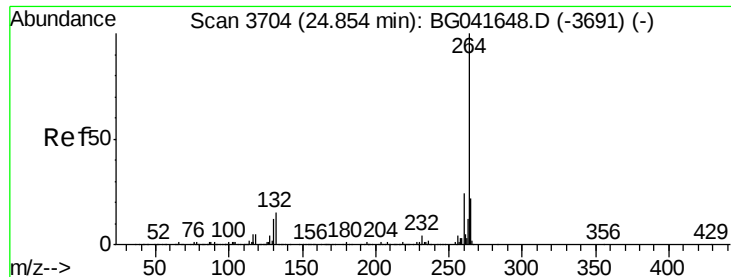


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3702
Delta R.T. -0.02 min
Lab File: BG041713.D
Acq: 18 Jul 2019 17:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.6	18.0	27.0

