

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041689.D
 Acq On : 17 Jul 2019 14:47
 Operator : HP/JU
 Sample : PB121214BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 07:09:05 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	107912	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	436922	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	277880	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	696753	20.00	ng	0.00
76) Chrysene-d12	21.65	240	726295	20.00	ng	-0.01
87) Perylene-d12	24.84	264	798869	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	720325	109.12	ng	0.00
7) Phenol-d6	7.20	99	976275	109.96	ng	0.00
23) Nitrobenzene-d5	9.20	82	585009	81.43	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	374625	119.62	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1418321	79.04	ng	0.00
79) Terphenyl-d14	20.00	244	2309945	74.32	ng	0.00

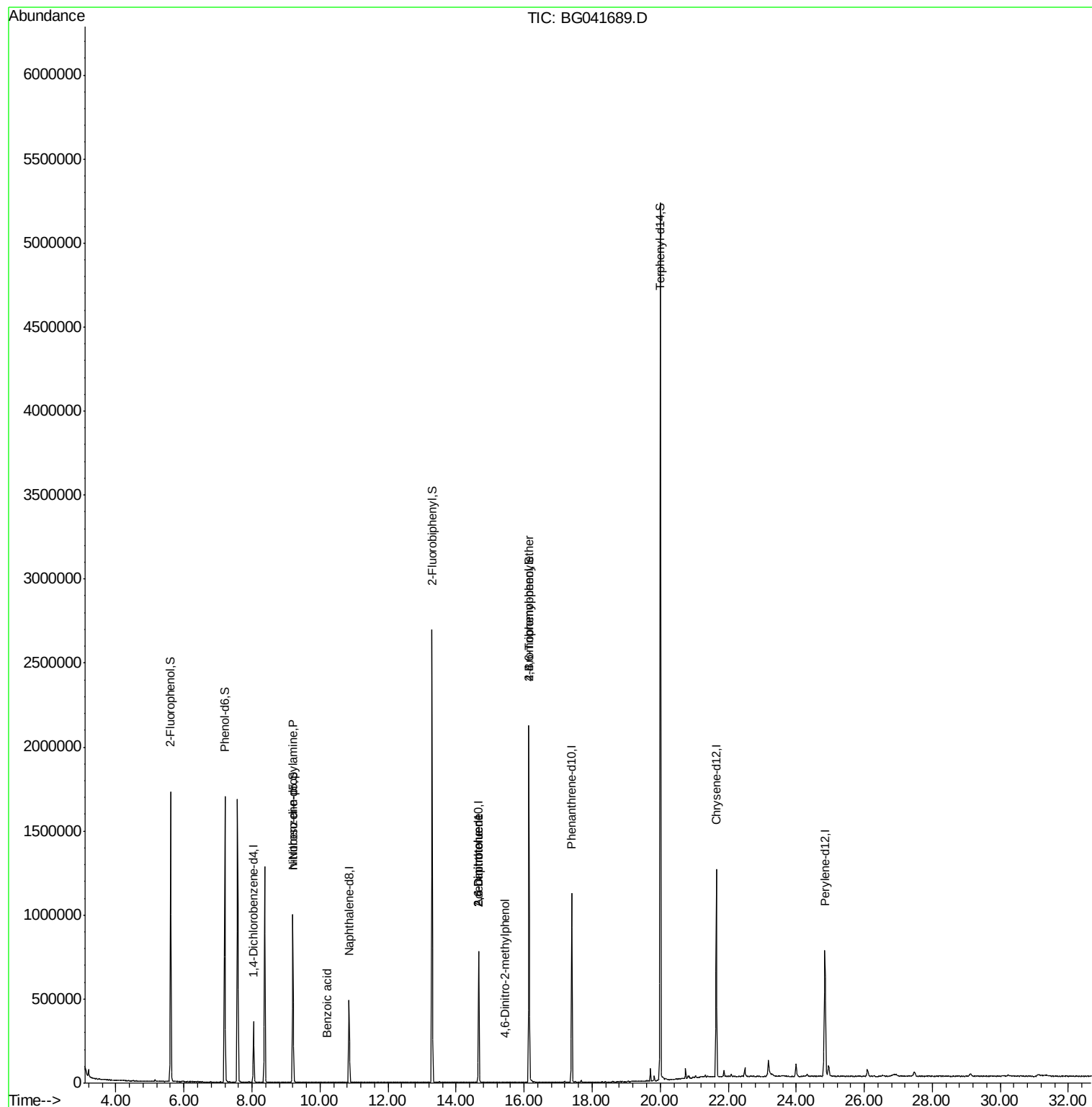
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1640	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	79538	12.256	ng	# 71
32) Benzoic acid	10.20	122	55	6.022	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	36653	7.918	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	36653	5.990	ng	# 29
65) 4,6-Dinitro-2-methylphenol	15.44	198	54	6.688	ng	# 8
67) 4-Bromophenyl-phenylether	16.14	248	29859	3.602	ng	# 1
77) Benzidine	20.00	184	42240	Below Cal	#	90

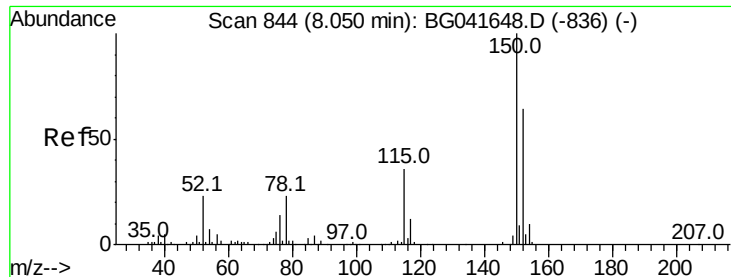
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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BNA_G
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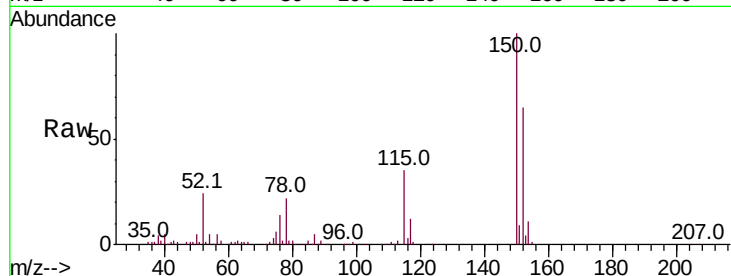


#1

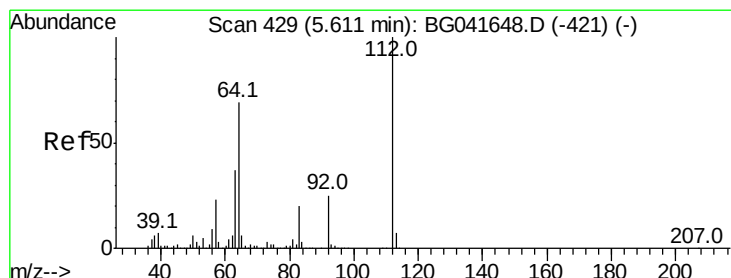
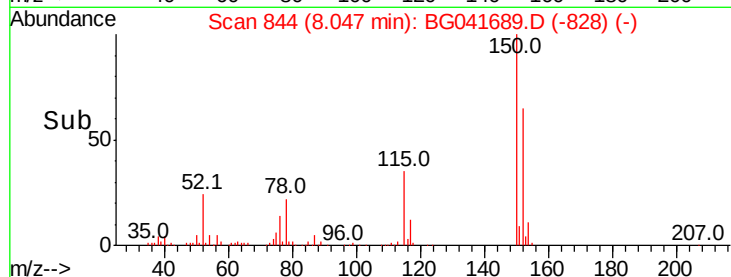
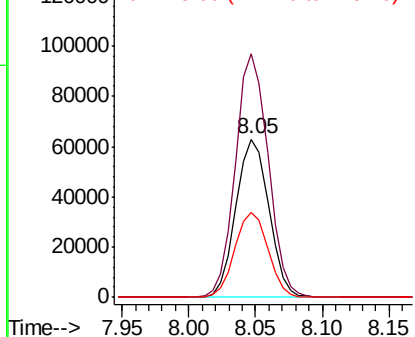
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 107912
Ion Ratio Lower Upper
152 100
150 154.2 126.9 190.3
115 54.0 45.0 67.6



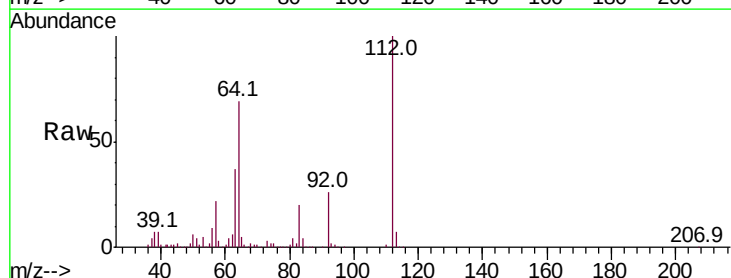
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



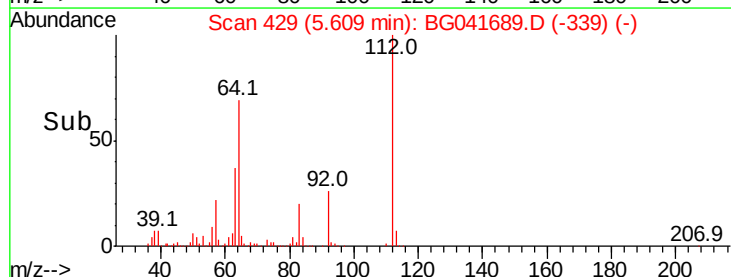
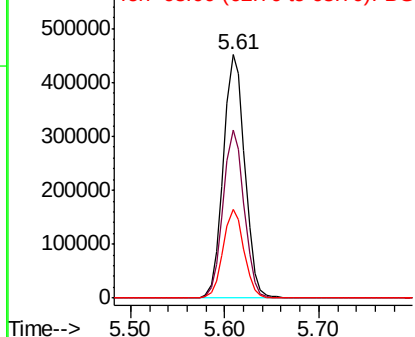
#5

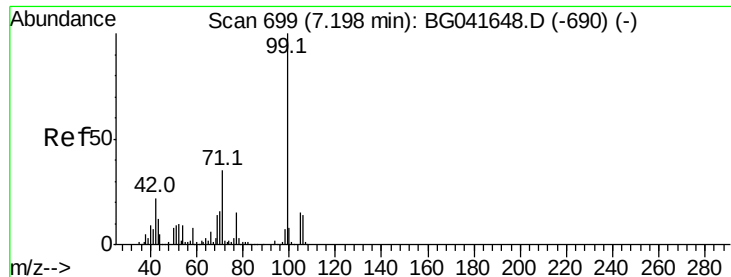
2-Fluorophenol
Concen: 109.121 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

Tgt Ion:112 Resp: 720325
Ion Ratio Lower Upper
112 100
64 69.0 55.4 83.2
63 36.6 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: 109.956 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

Instrument :

BNA_G

ClientSampleId :

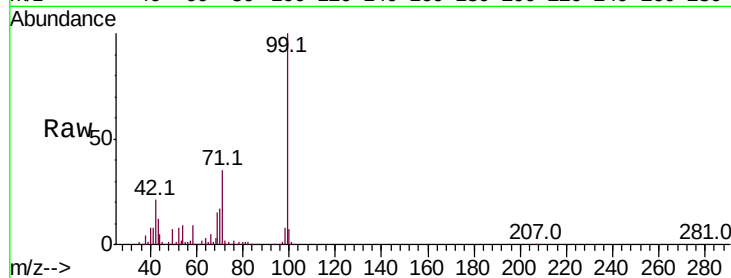
Tot Ion: 99 Resp: 976275

Ion Ratio Lower Upper

99 100

42 20.9 17.6 26.4

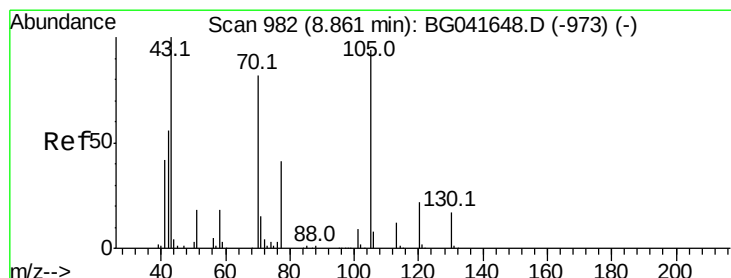
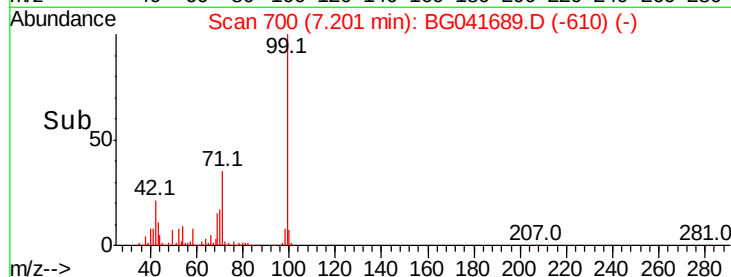
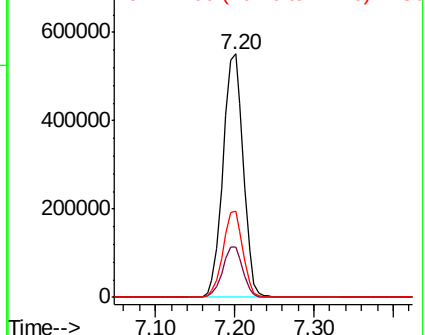
71 35.3 27.8 41.6



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: 12.256 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

Tgt Ion: 70 Resp: 79538

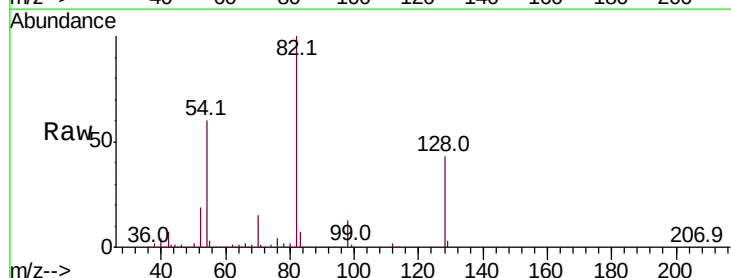
Ion Ratio Lower Upper

70 100

42 49.2 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#

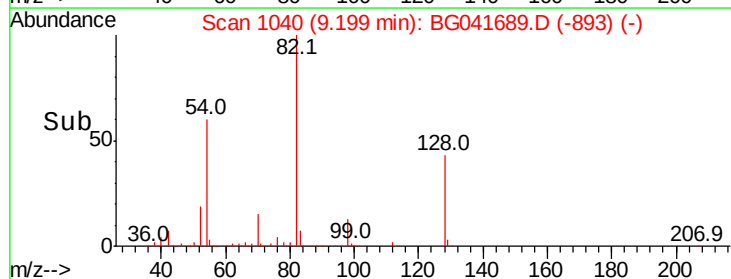
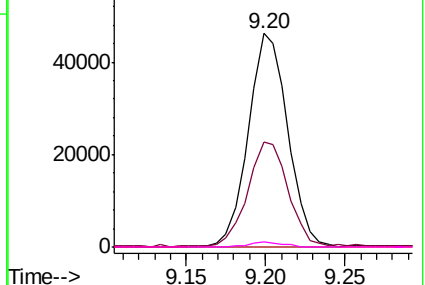


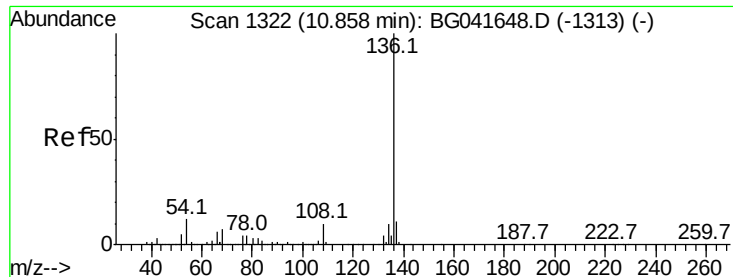
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

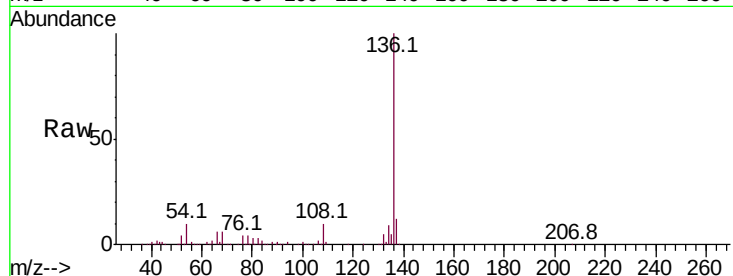




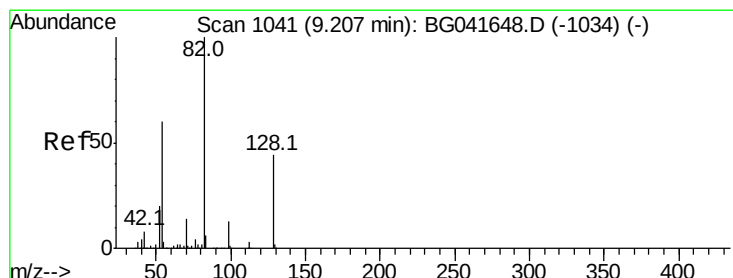
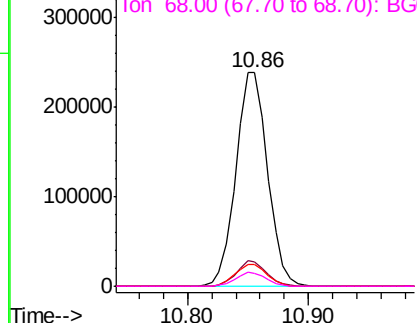
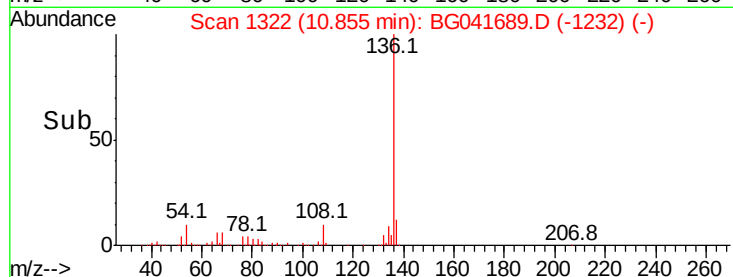
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	436922
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.2 13.8
54	10.5	8.7 13.1
68	6.3	5.5 8.3

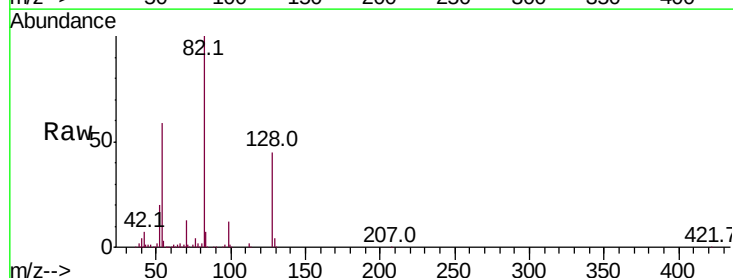


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

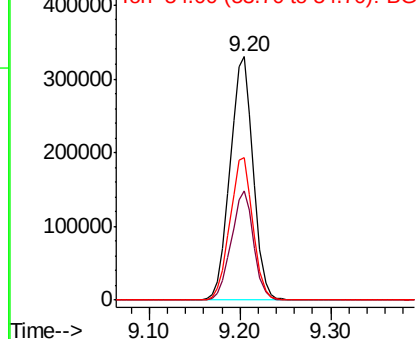
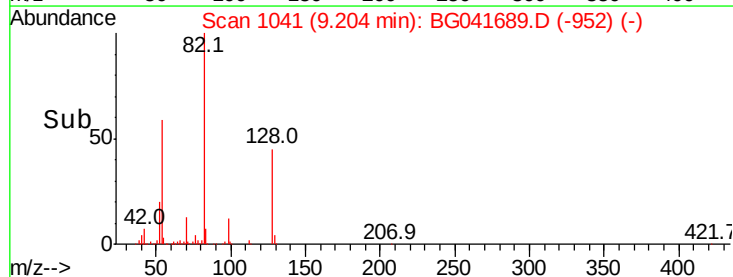


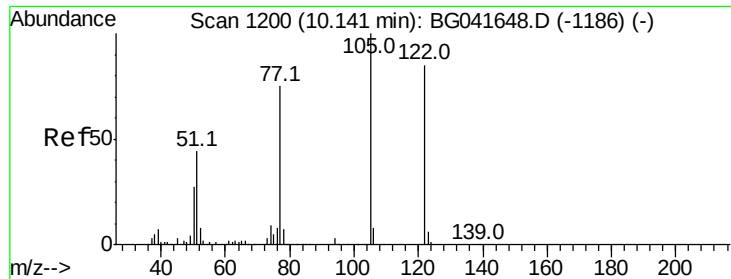
#23
Nitrobenzene-d5
Concen: 81.427 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

Tgt Ion: 82	Resp:	585009
Ion Ratio	Lower	Upper
82	100	
128	44.6	35.1 52.7
54	58.6	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

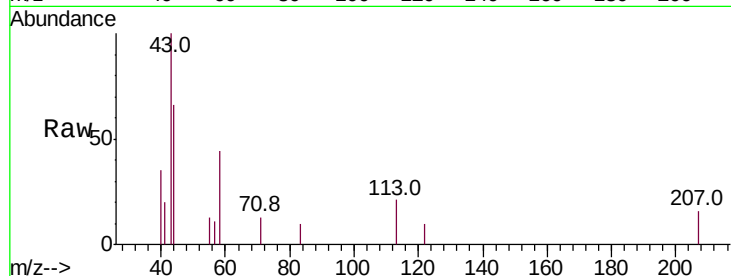




#32
Benzoic acid
Concen: 6.022 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.03 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

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#

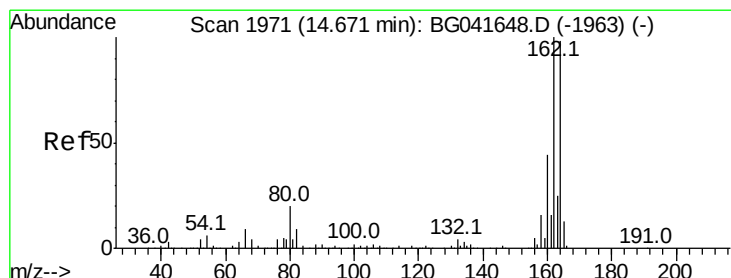
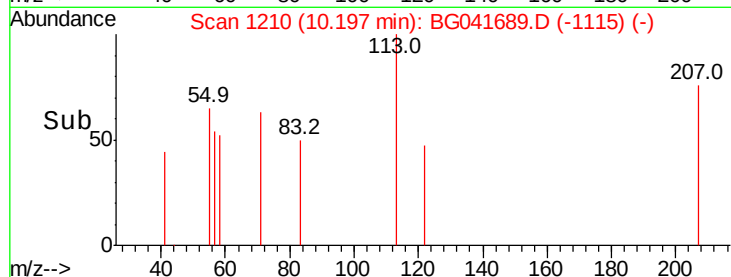
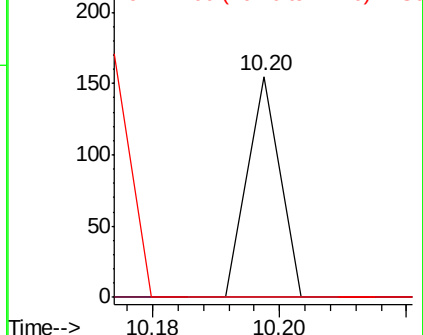


Abundance

Ion 122.00 (121.70 to 122.70): E

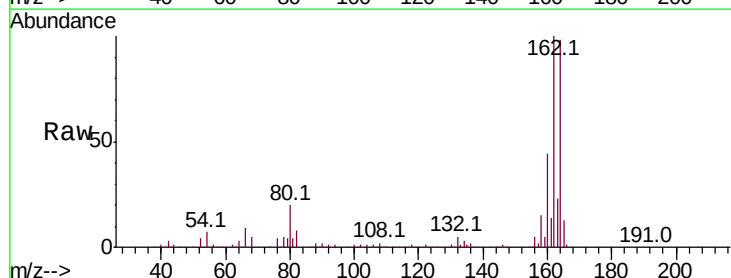
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041689.D
Acq: 17 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	79.6	119.4
160	44.9	35.4	53.0

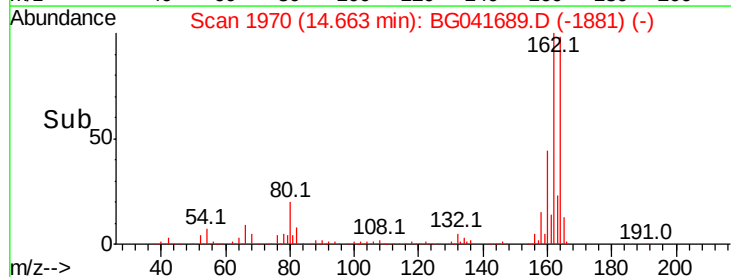
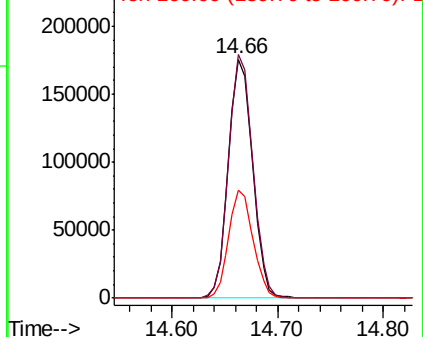


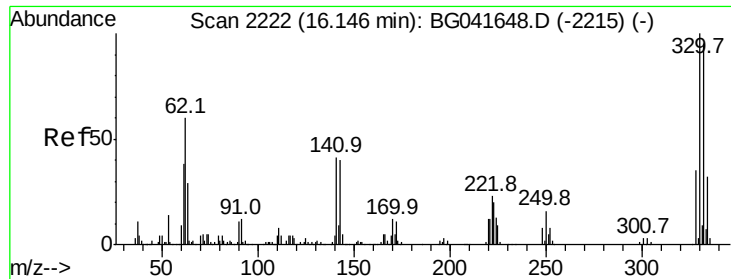
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

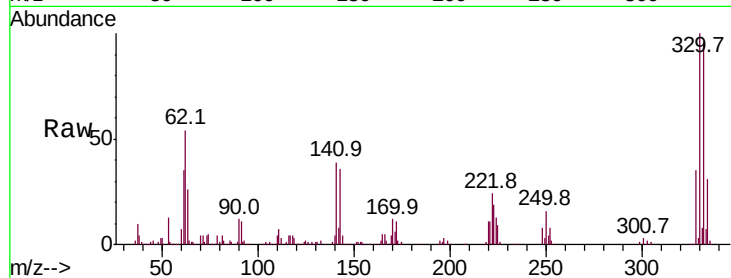




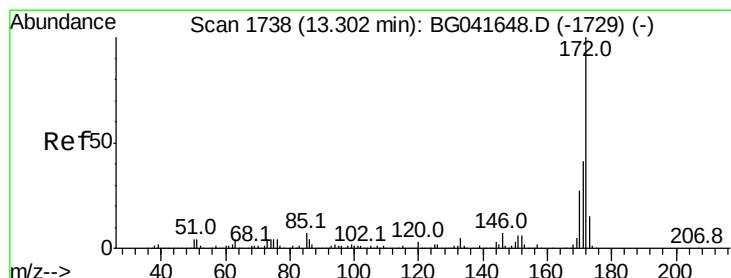
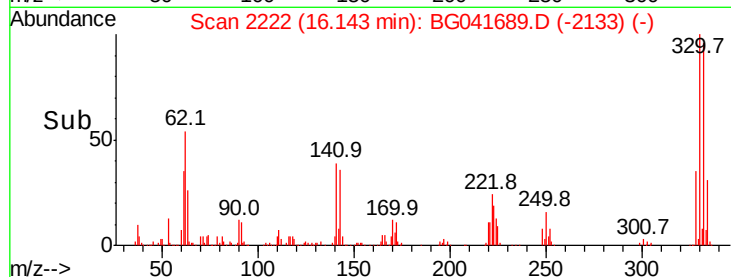
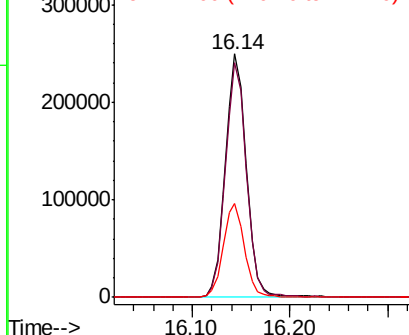
#42
 2,4,6-Tribromophenol
 Concen: 119.625 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 374625
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.0
 141 38.4 31.9 47.9

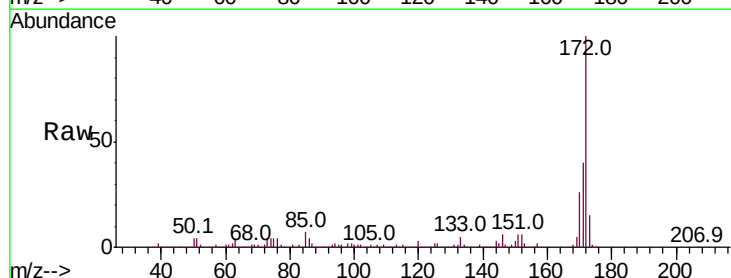


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

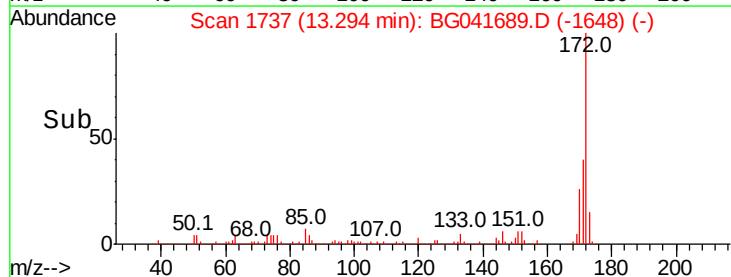
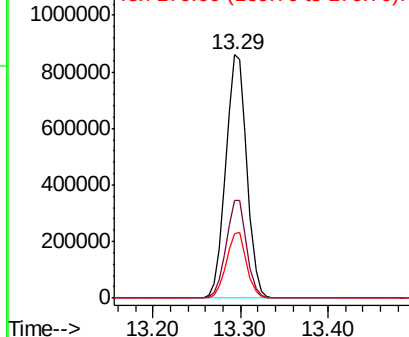


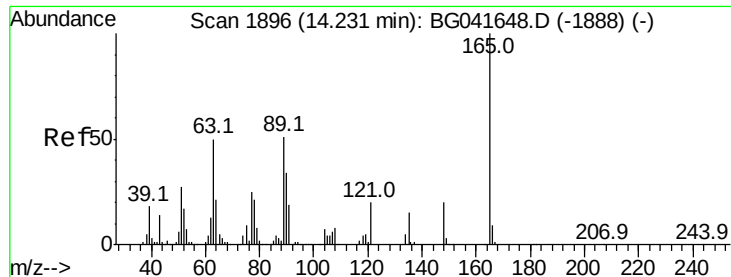
#45
 2-Fluorobiphenyl
 Concen: 79.037 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Tgt Ion:172 Resp: 1418321
 Ion Ratio Lower Upper
 172 100
 171 40.2 35.0 52.4
 170 26.3 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: 7.918 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

Instrument :

BNA_G

ClientSampleId :

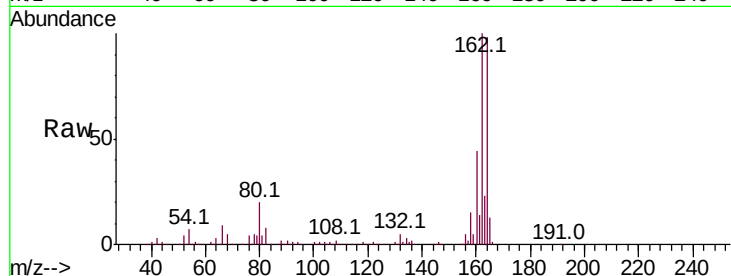
Tot Ion:165 Resp: 36653

Ion Ratio Lower Upper

165 100

63 1.6 42.4 63.6#

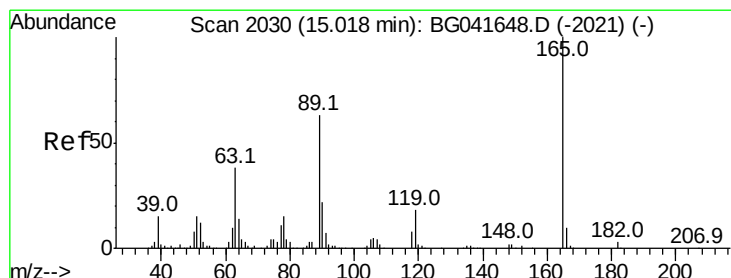
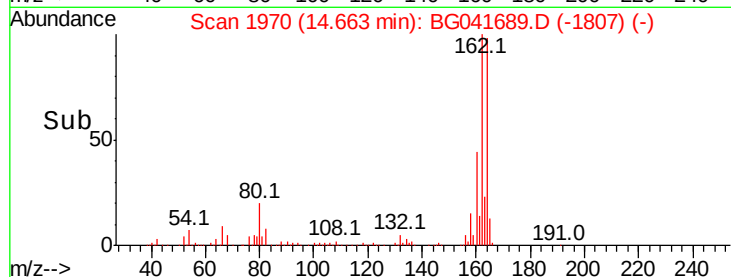
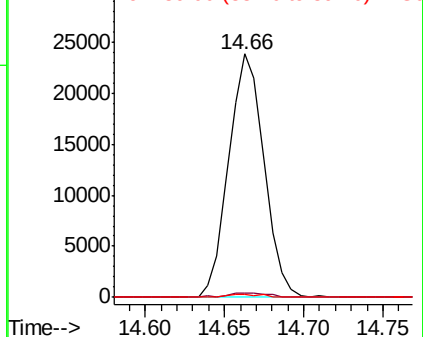
89 1.1 42.1 63.1#



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



#57

2,4-Dinitrotoluene

Concen: 5.990 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

Tgt Ion:165 Resp: 36653

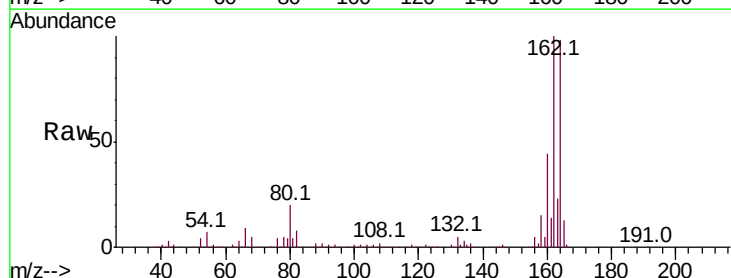
Ion Ratio Lower Upper

165 100

63 1.6 31.7 47.5#

89 1.1 50.2 75.4#

182 0.0 2.6 4.0#

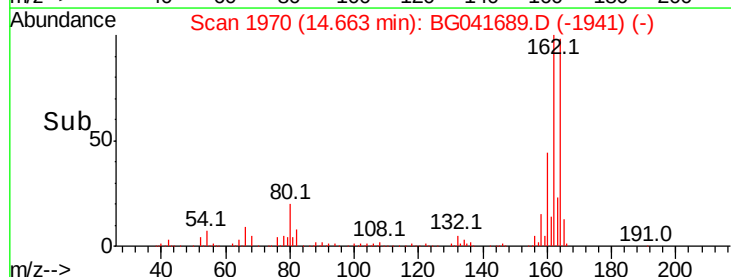
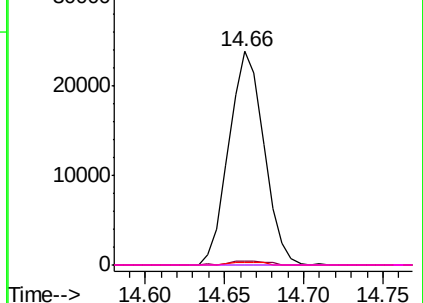


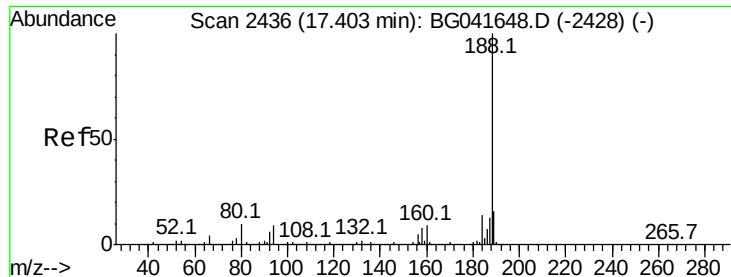
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2436

Delta R.T. -0.01 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

Instrument :

BNA_G

ClientSampleId :

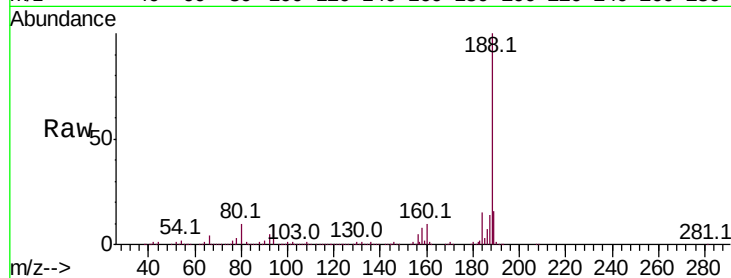
Tot Ion:188 Resp: 696753

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

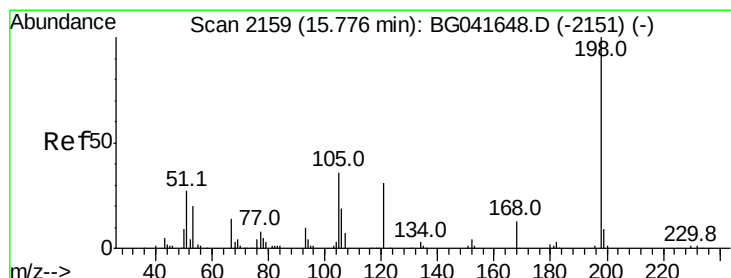
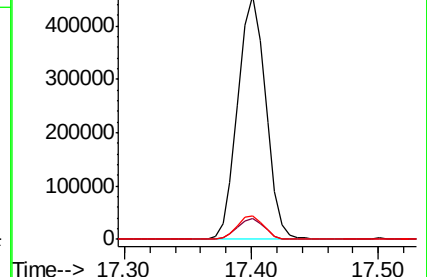
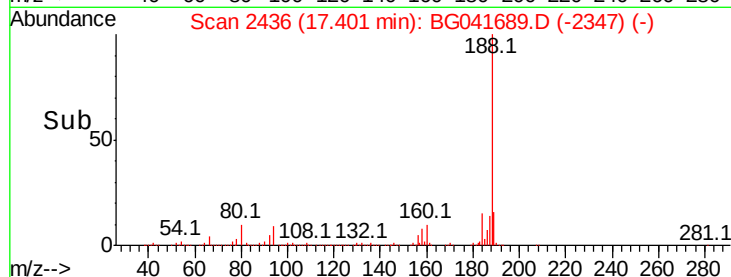
80 9.7 8.0 12.0



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: 6.688 ng

RT: 15.44 min Scan# 2103

Delta R.T. -0.34 min

Lab File: BG041689.D

Acq: 17 Jul 2019 14:47

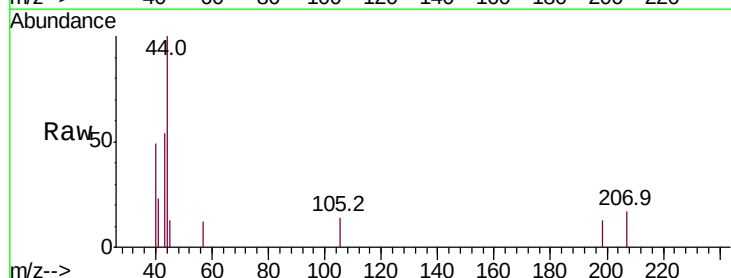
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 22.3 62.3#

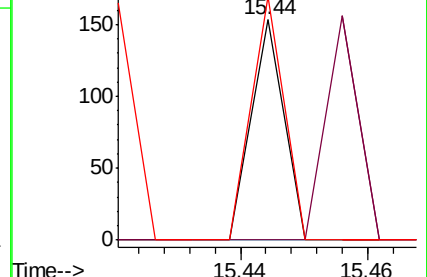
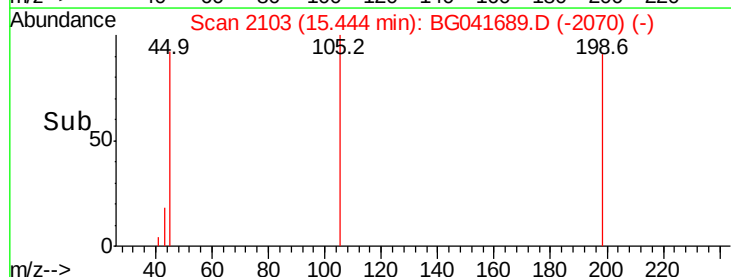
105 110.5 18.0 58.0#

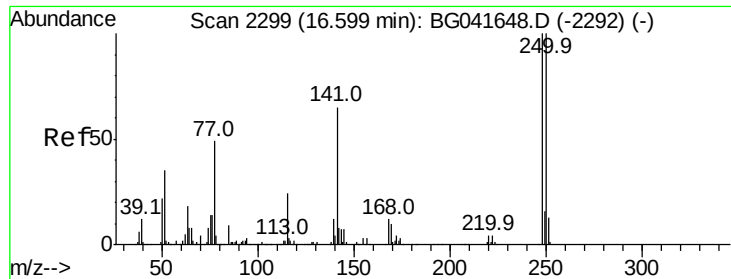


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

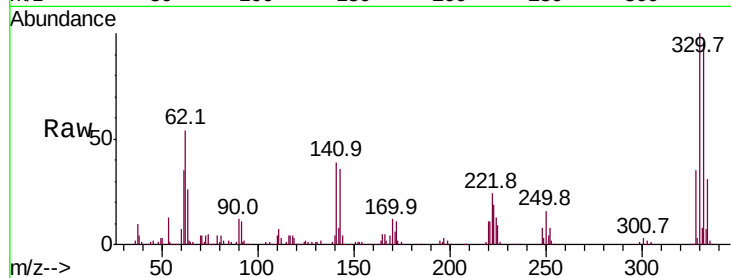




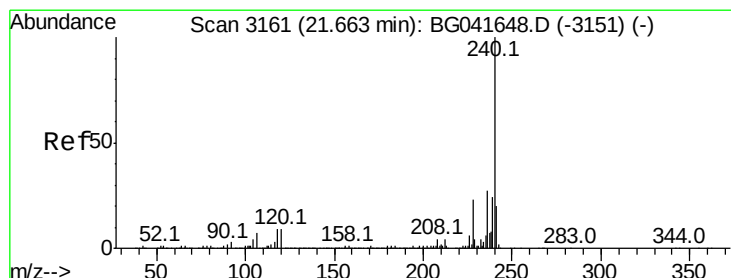
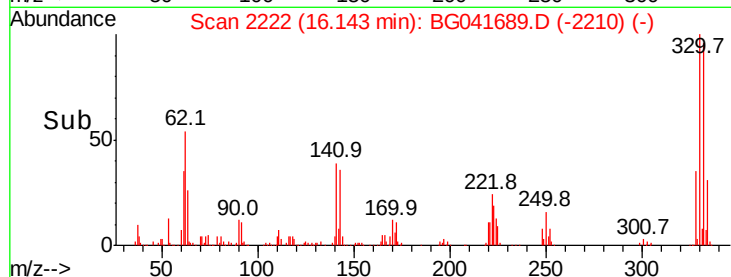
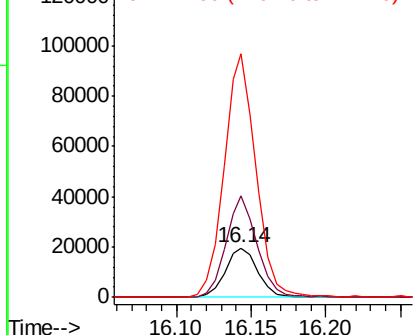
#67
 4-Bromophenyl-phenylether
 Concen: 3.602 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 29859
 Ion Ratio Lower Upper
 248 100
 250 204.9 78.1 117.1#
 141 493.7 49.6 74.4#

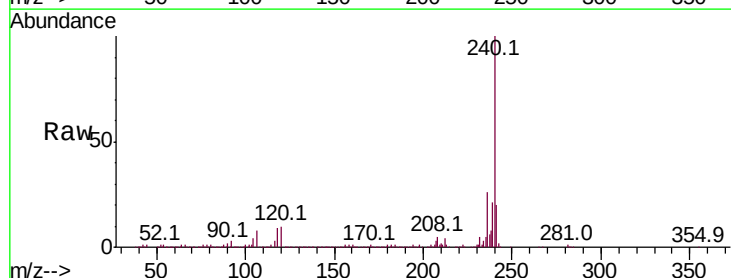


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

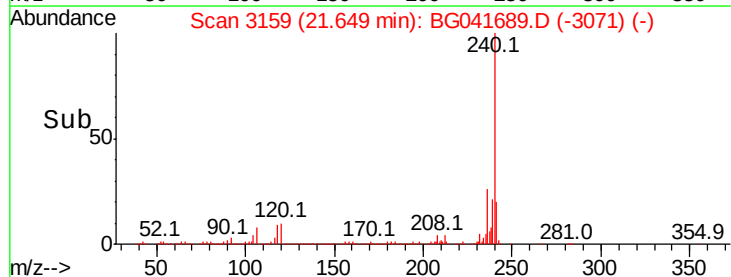
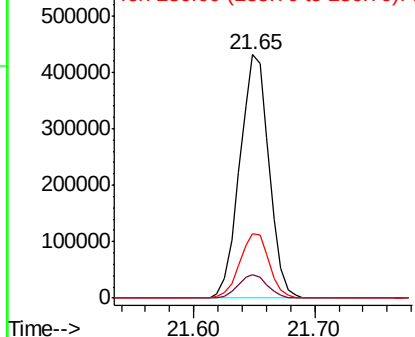


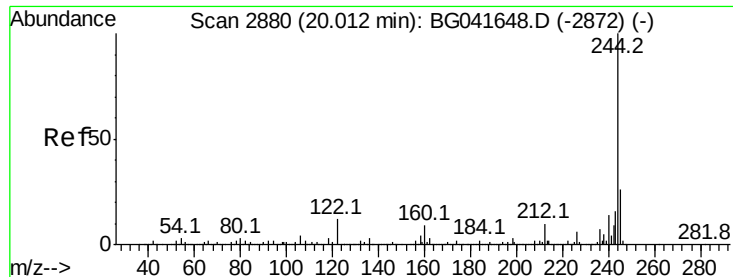
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Tgt Ion:240 Resp: 726295
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.0 12.0
 236 26.5 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



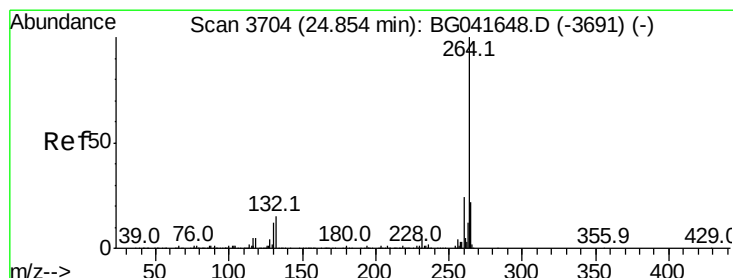
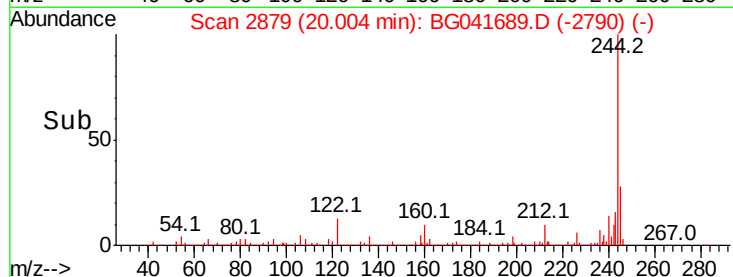
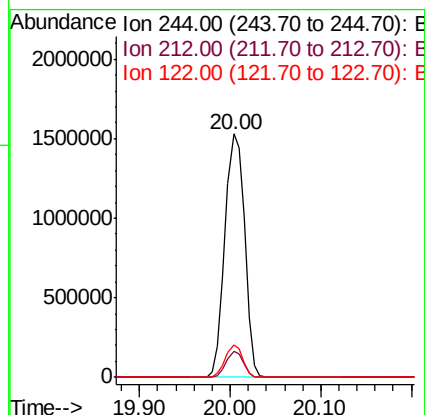
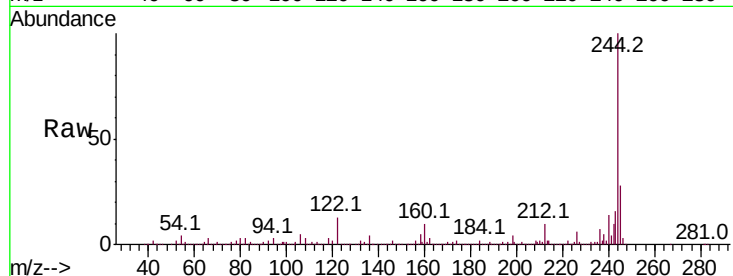


#79
 Terphenyl-d14
 Concen: 74.323 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2309945

Ion	Ratio	Lower	Upper
244	100		
212	10.5	9.7	14.5
122	13.3	12.5	18.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3703
 Delta R.T. -0.02 min
 Lab File: BG041689.D
 Acq: 17 Jul 2019 14:47

Tgt Ion:264 Resp: 798869

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.2	18.0	27.0

