

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041700.D
 Acq On : 17 Jul 2019 22:55
 Operator : HP/JU
 Sample : K3835-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-5(0-2)

Quant Time: Jul 18 07:12:00 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

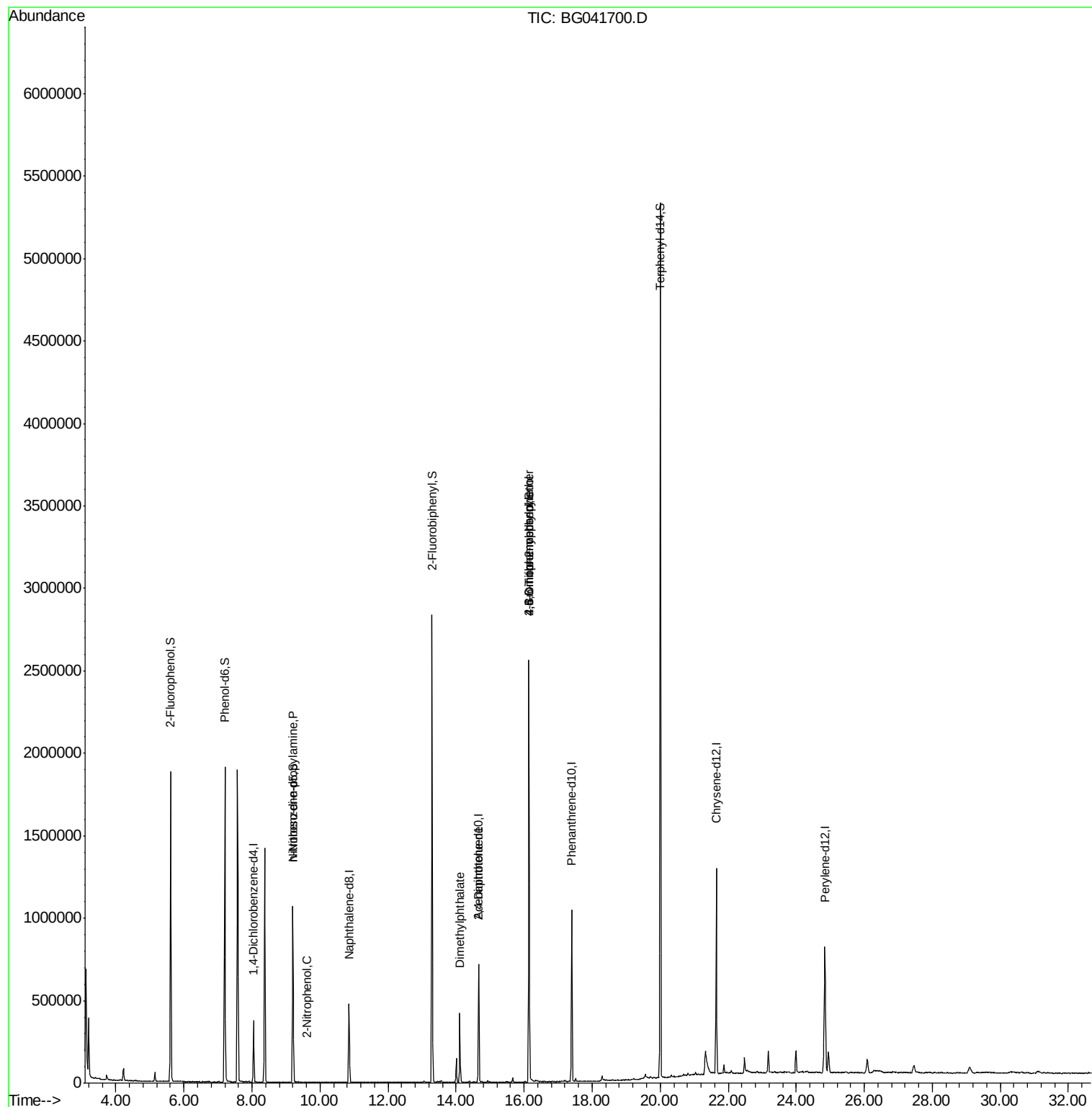
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	105206	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	420123	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	253992	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	661465	20.00	ng	0.00
76) Chrysene-d12	21.65	240	699414	20.00	ng	-0.01
87) Perylene-d12	24.84	264	806101	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	782444	121.58	ng	0.00
7) Phenol-d6	7.20	99	1084854	125.33	ng	0.00
23) Nitrobenzene-d5	9.20	82	654670	94.77	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	459813	160.64	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1437750	87.65	ng	0.00
79) Terphenyl-d14	20.00	244	2299246	76.82	ng	0.00
Target Compounds						
9) Benzaldehyde	7.19	77	1881	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	89845	14.201	ng	# 71
26) 2-Nitrophenol	9.62	139	61	4.669	ng	# 34
50) Dimethylphthalate	14.11	163	294705	14.773	ng	# 98
57) 2,4-Dinitrotoluene	14.66	165	32870	5.877	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.14	198	1397	7.057	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	35789	4.547	ng	# 1
77) Benzidine	20.00	184	42114	Below Cal	#	92

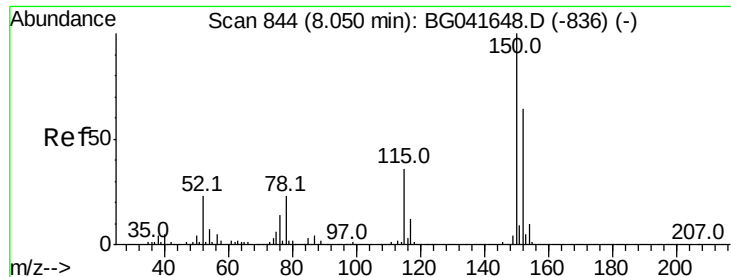
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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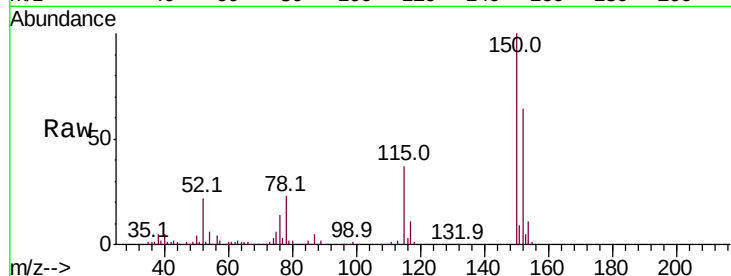


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041700.D
Acq: 17 Jul 2019 22:55

Instrument :
BNA_G
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.9	190.3
115	57.4	45.0	67.6

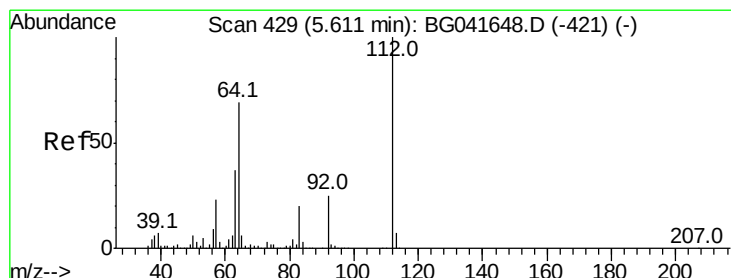
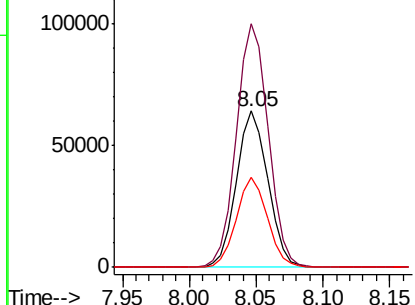
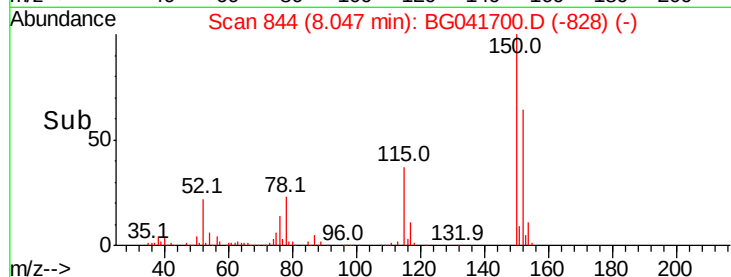


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

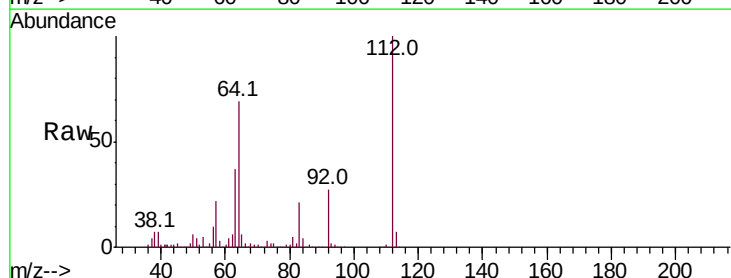
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.580 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041700.D
Acq: 17 Jul 2019 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	55.4	83.2
63	36.9	29.1	43.7

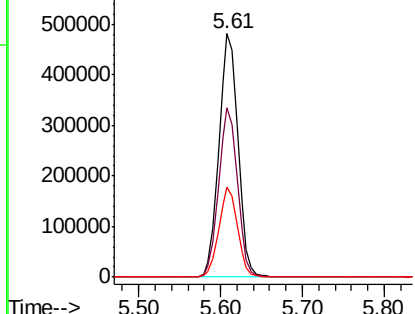
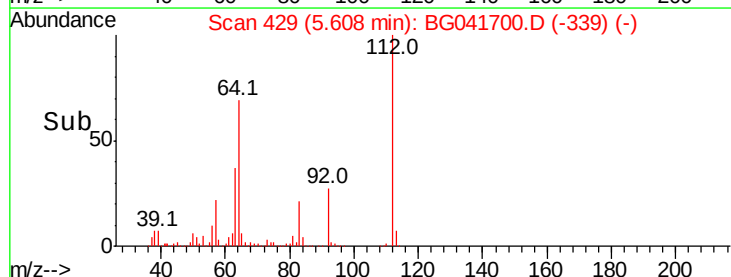


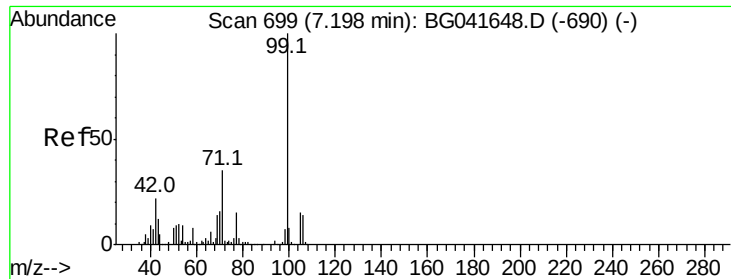
Abundance

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: 125.327 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SB-5(0-2)

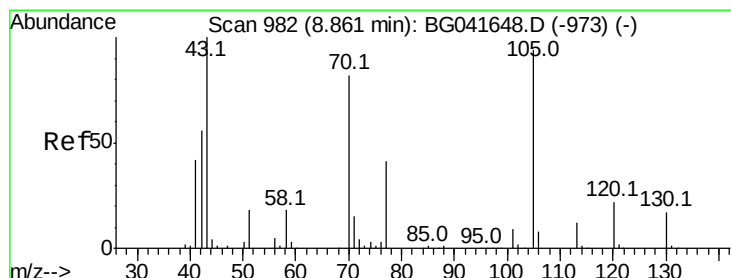
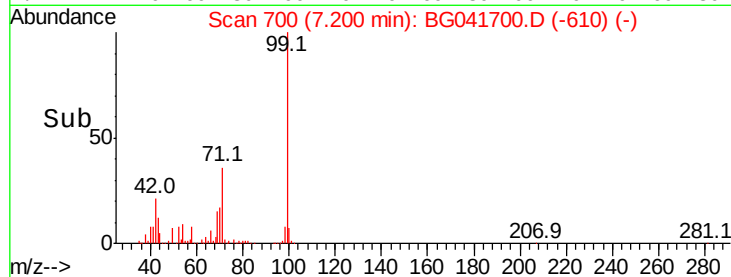
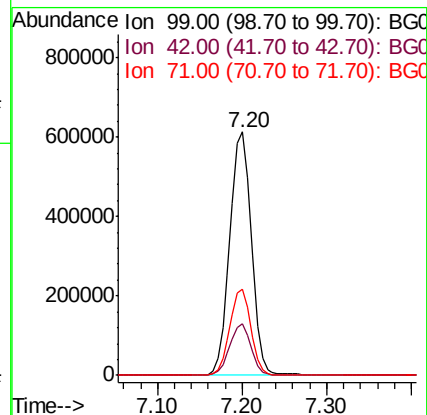
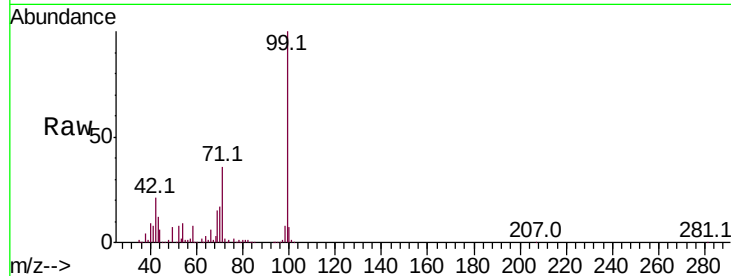
Tot Ion: 99 Resp: 1084854

Ion Ratio Lower Upper

99 100

42 21.4 17.6 26.4

71 35.6 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.201 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Tgt Ion: 70 Resp: 89845

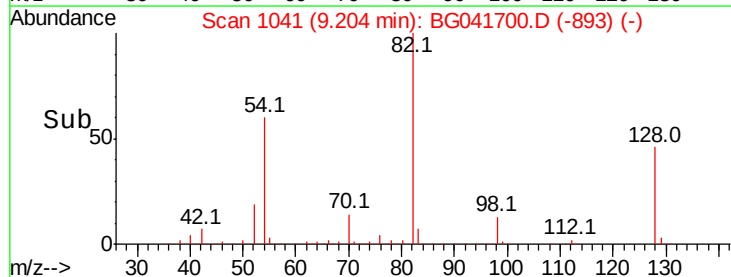
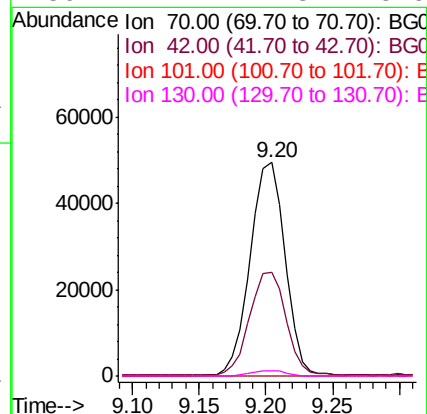
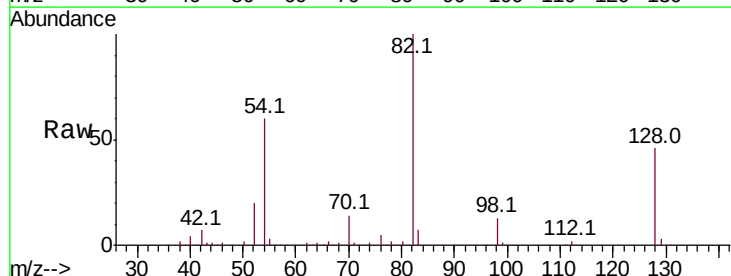
Ion Ratio Lower Upper

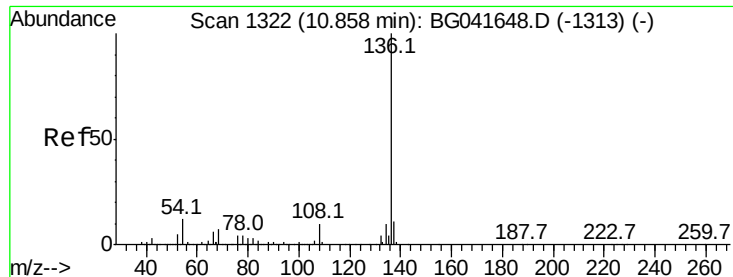
70 100

42 48.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.2 17.3 25.9#

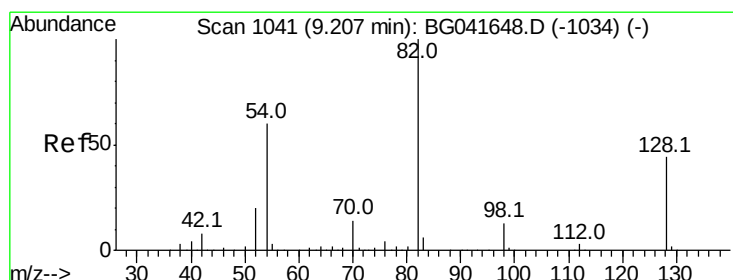
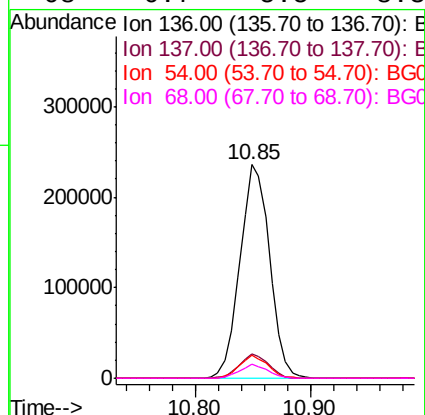
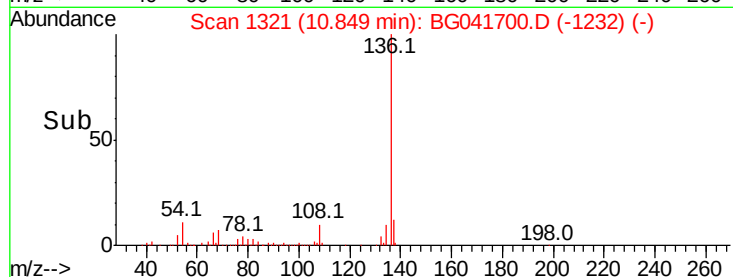
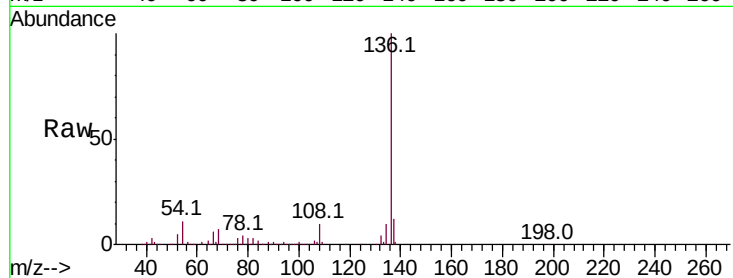




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041700.D
Acq: 17 Jul 2019 22:55

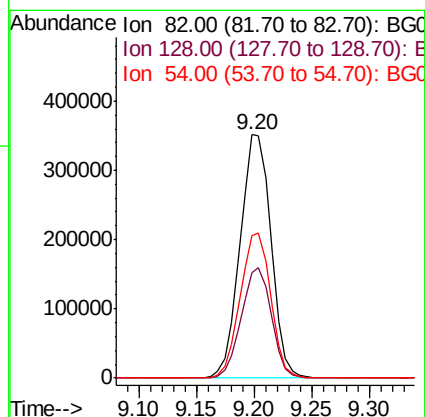
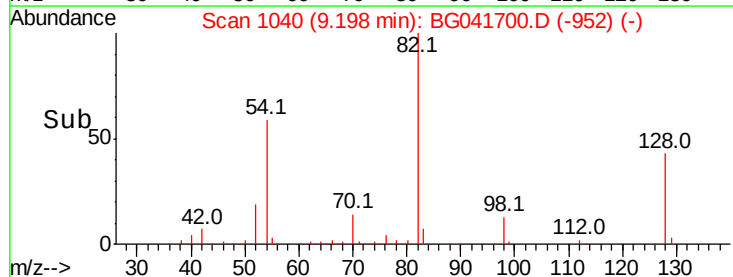
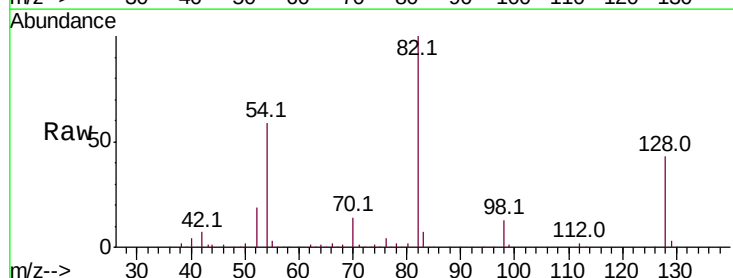
Instrument :
BNA_G
ClientSampleId :
SB-5(0-2)

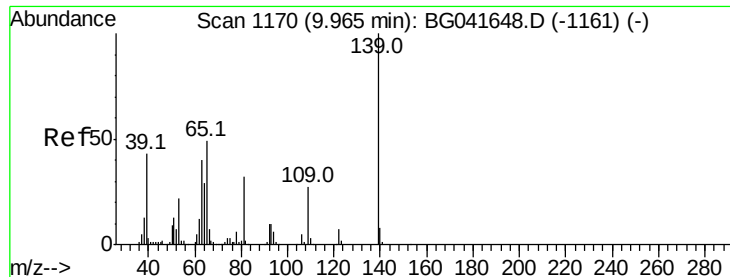
Tot Ion:	136	Resp:	420123
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	10.8	8.7	13.1
68	6.7	5.5	8.3



#23
Nitrobenzene-d5
Concen: 94.767 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041700.D
Acq: 17 Jul 2019 22:55

Tgt Ion:	82	Resp:	654670
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.1	52.7
54	58.6	48.7	73.1





#26

2-Nitrophenol

Concen: 4.669 ng

RT: 9.62 min Scan# 1112

Delta R.T. -0.34 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Instrument :

BNA_G

ClientSampled :

SB-5(0-2)

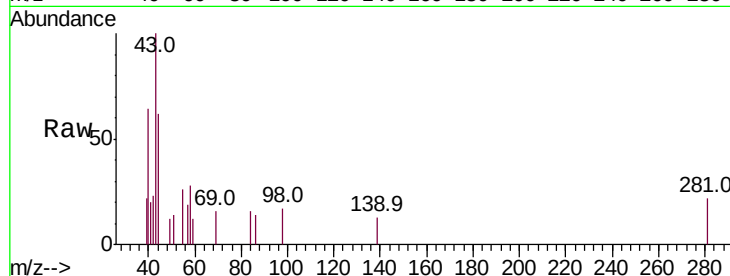
Tot Ion:139 Resp: 61

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

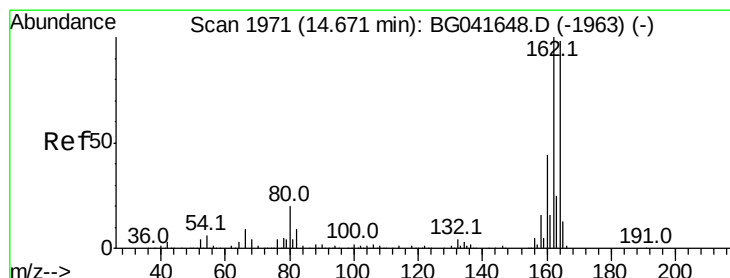
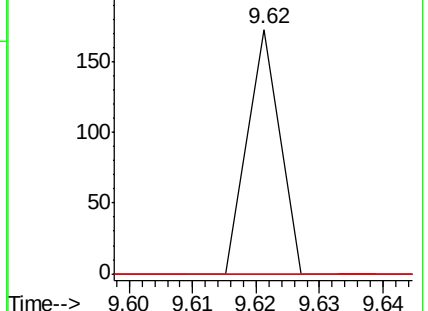
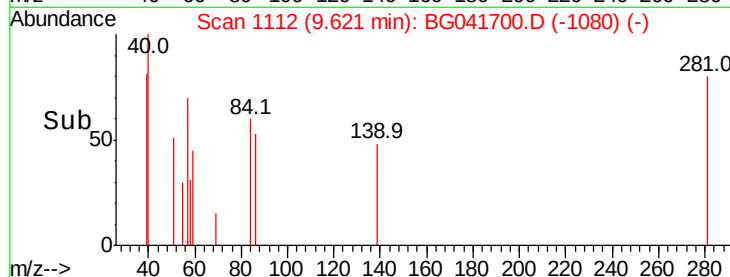
65 0.0 41.1 61.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

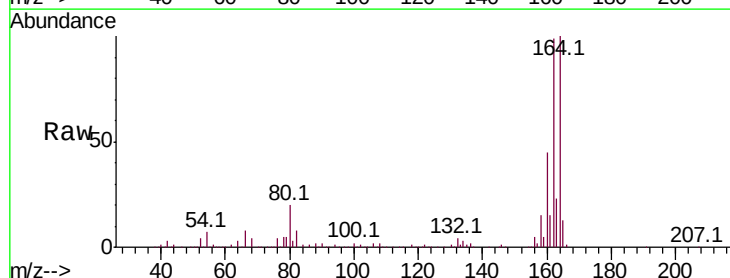
Tgt Ion:164 Resp: 253992

Ion Ratio Lower Upper

164 100

162 99.5 79.6 119.4

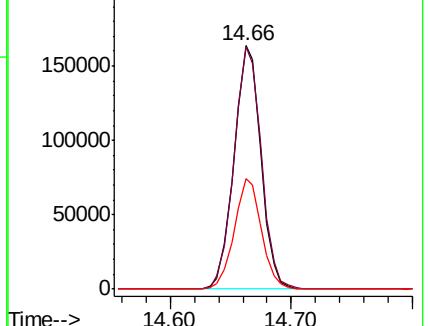
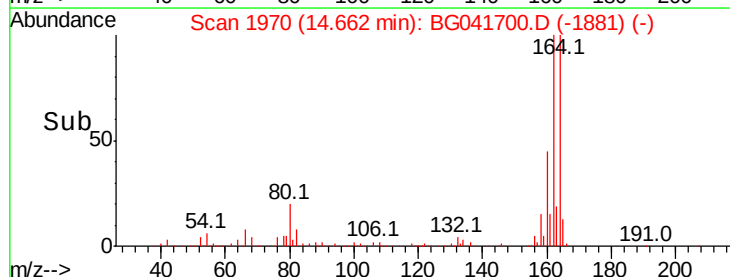
160 45.3 35.4 53.0

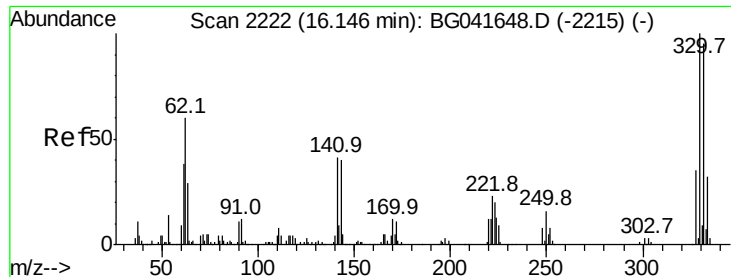


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

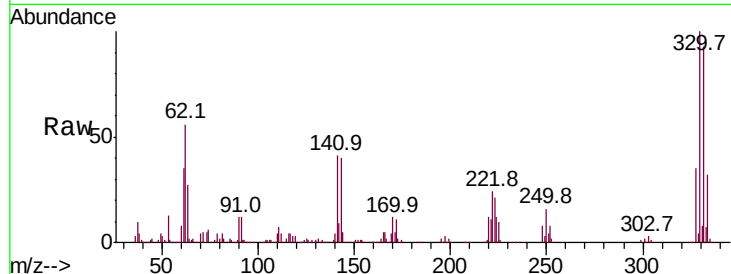




#42
 2,4,6-Tribromophenol
 Concen: 160.636 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041700.D
 Acq: 17 Jul 2019 22:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.0
141	39.3	31.9	47.9

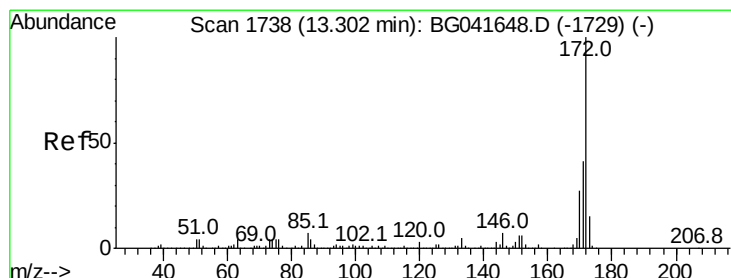
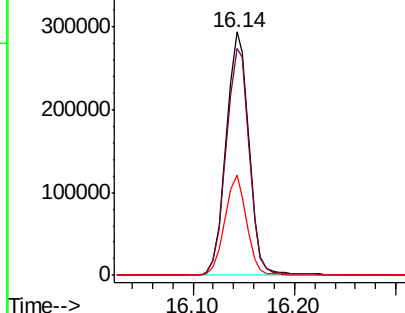
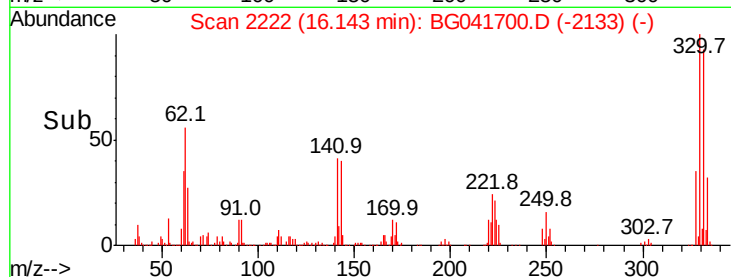


Abundance

Ion 329.80 (329.50 to 330.50): E

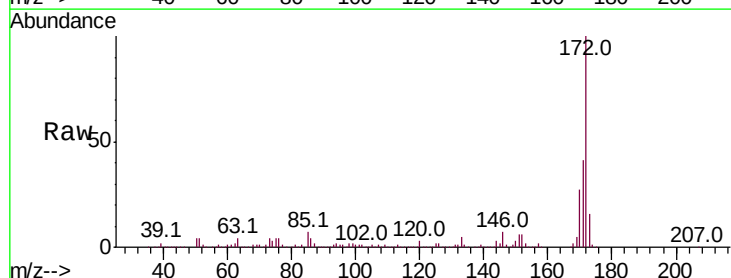
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.654 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041700.D
 Acq: 17 Jul 2019 22:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	35.0	52.4
170	27.3	23.5	35.3

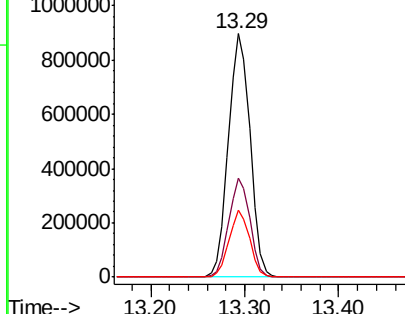
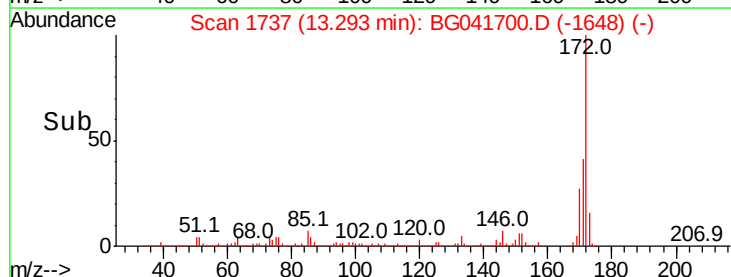


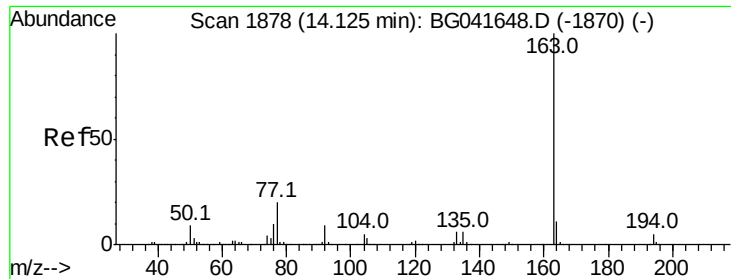
Abundance

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





#50

Dimethylphthalate

Concen: 14.773 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SB-5(0-2)

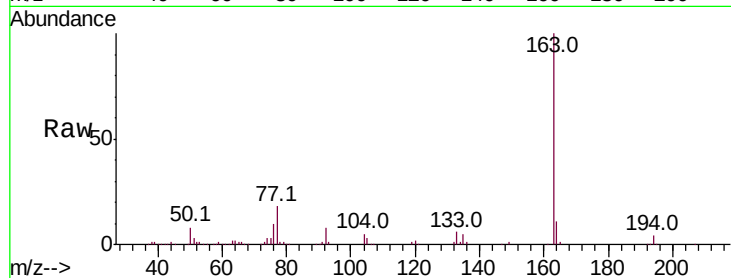
Tot Ion:163 Resp: 294705

Ion Ratio Lower Upper

163 100

194 4.3 4.2 6.2

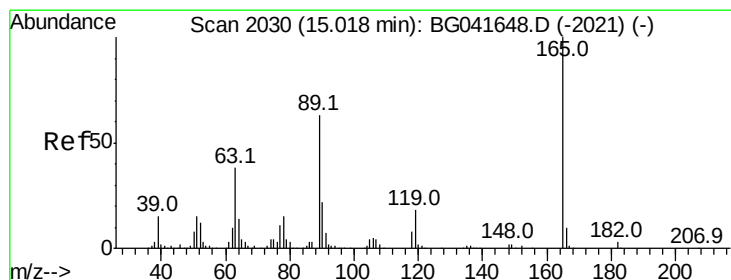
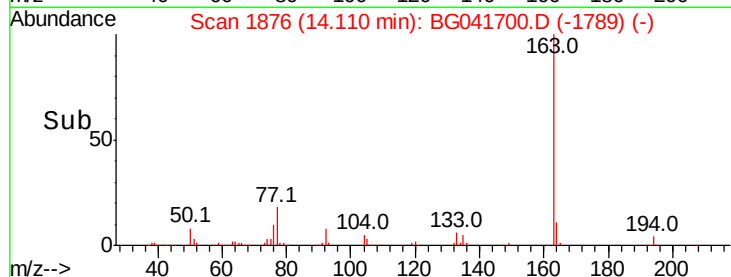
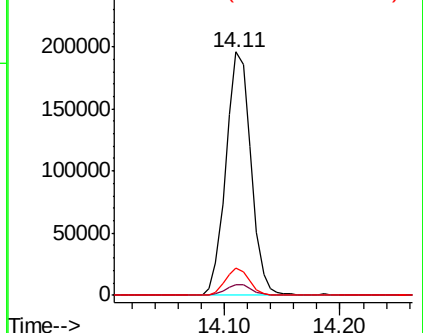
164 11.2 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.877 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Tgt Ion:165 Resp: 32870

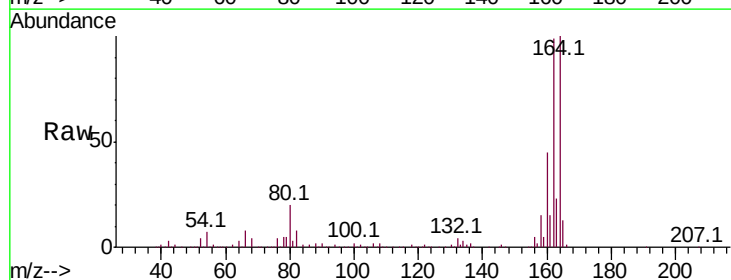
Ion Ratio Lower Upper

165 100

63 0.0 31.7 47.5#

89 1.4 50.2 75.4#

182 0.0 2.6 4.0#

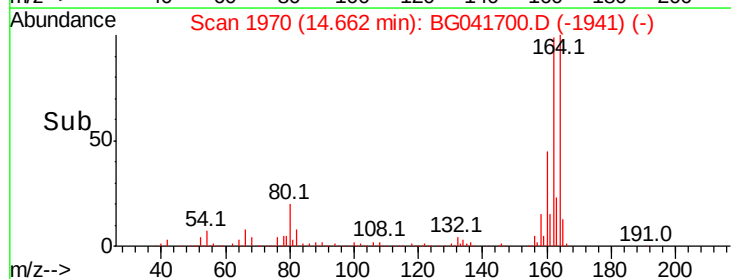
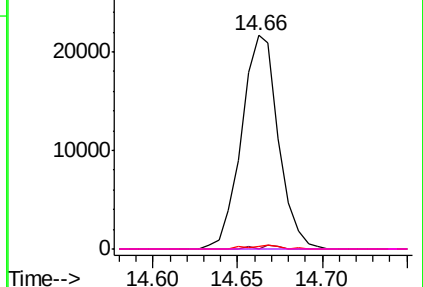


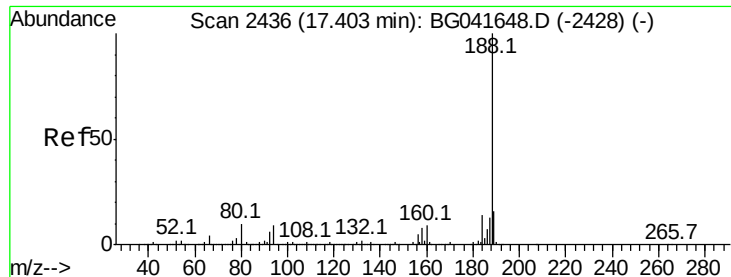
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041700.D

Acq: 17 Jul 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SB-5(0-2)

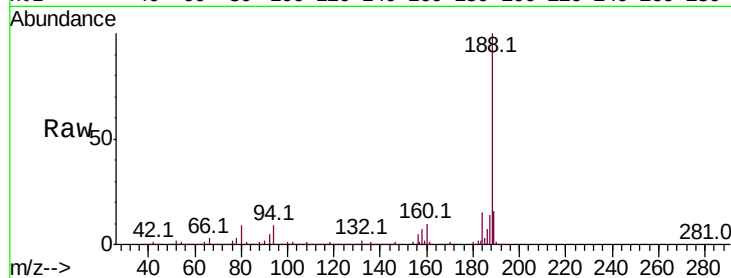
Tot Ion:188 Resp: 661465

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

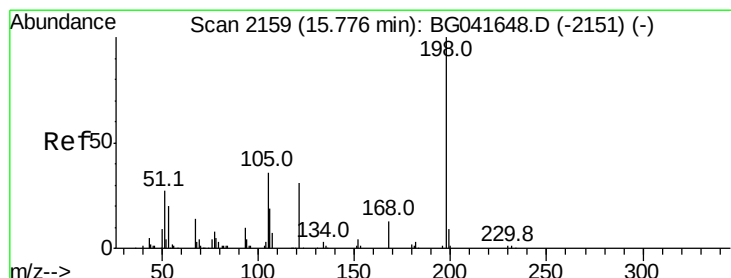
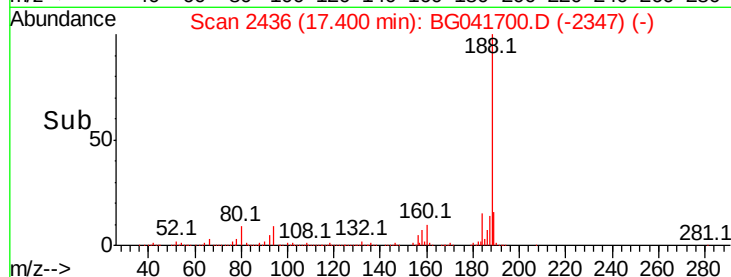
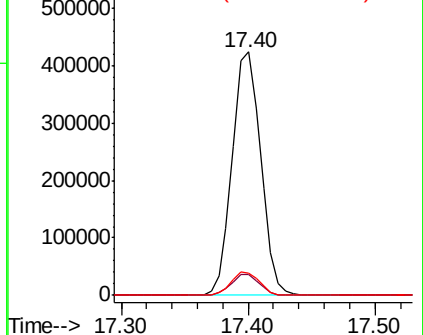
80 8.9 8.0 12.0



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: 7.057 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

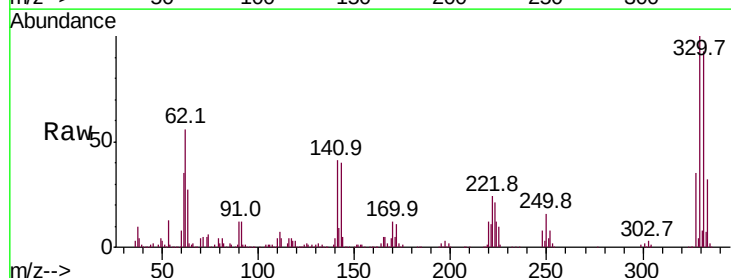
Tgt Ion:198 Resp: 1397

Ion Ratio Lower Upper

198 100

51 166.3 22.3 62.3#

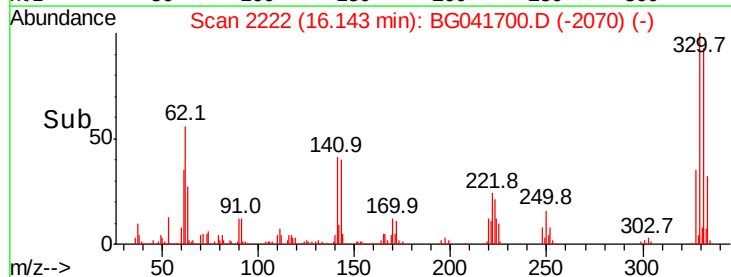
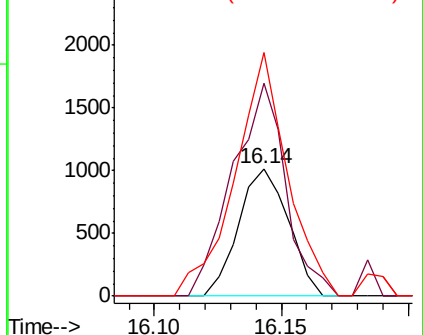
105 190.6 18.0 58.0#

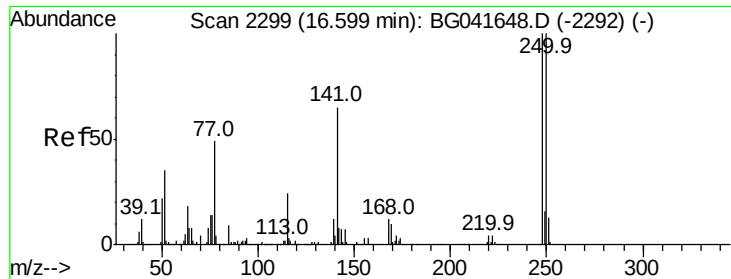


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

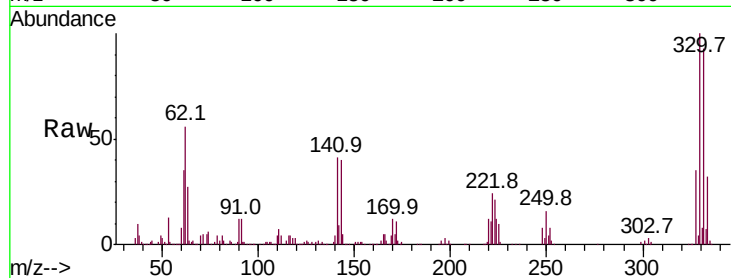




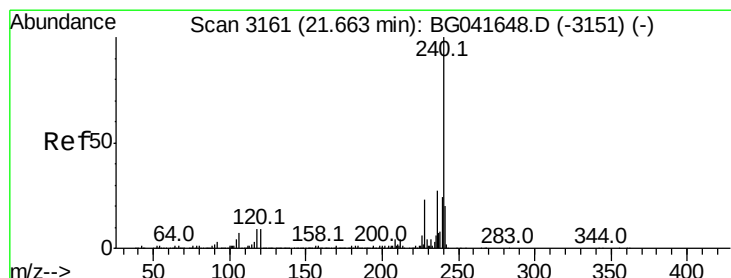
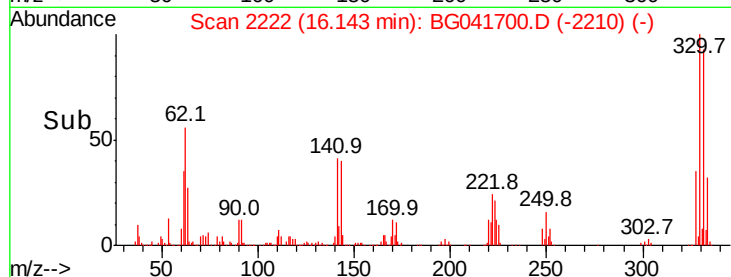
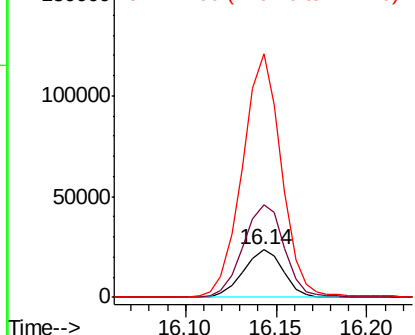
#67
 4-Bromophenyl-phenylether
 Concen: 4.547 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041700.D
 Acq: 17 Jul 2019 22:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-5(0-2)

Tot Ion:248 Resp: 35789
 Ion Ratio Lower Upper
 248 100
 250 196.4 78.1 117.1#
 141 515.0 49.6 74.4#

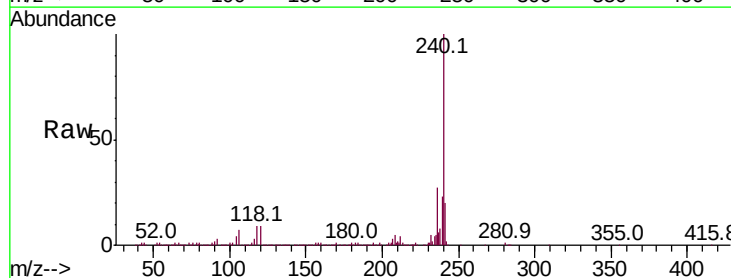


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

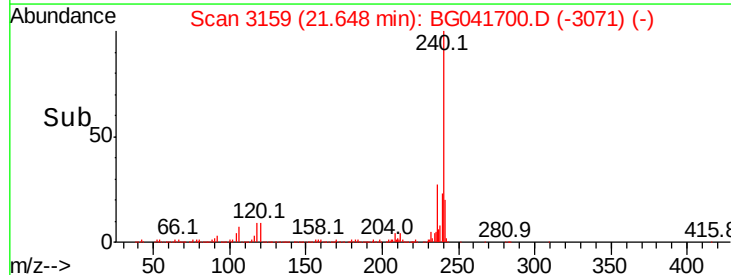
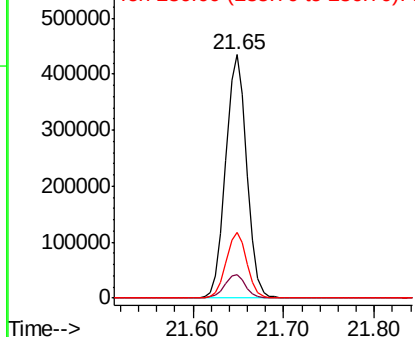


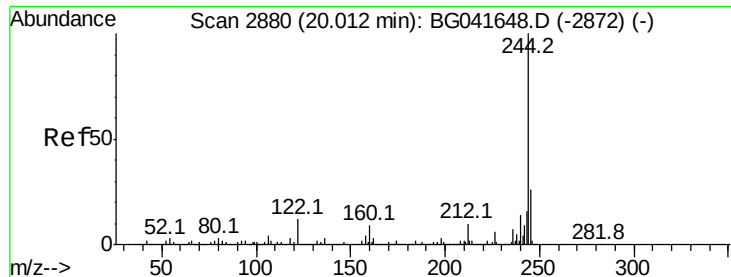
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041700.D
 Acq: 17 Jul 2019 22:55

Tgt Ion:240 Resp: 699414
 Ion Ratio Lower Upper
 240 100
 120 9.4 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





#79

Terphenyl-d14

Concen: 76.822 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Instrument :

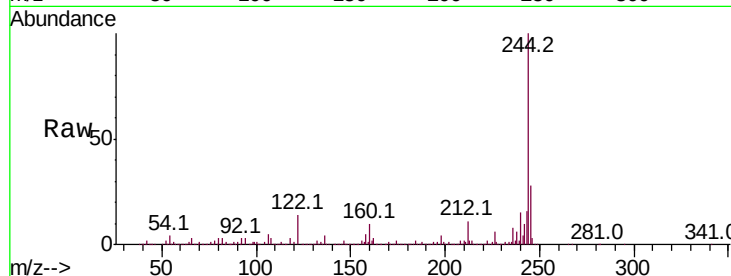
BNA_G

ClientSampleId :

SB-5(0-2)

Tot Ion:244 Resp: 2299246

Ion	Ratio	Lower	Upper
244	100		
212	10.8	9.7	14.5
122	13.6	12.5	18.7

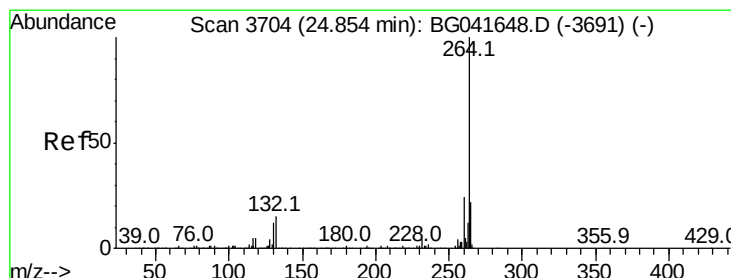
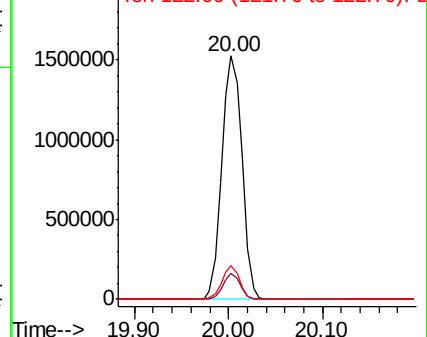
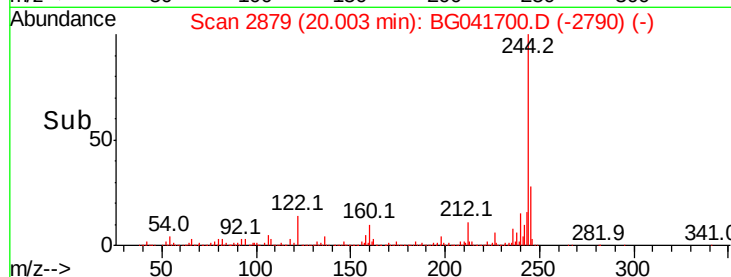


Abundance

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: 24.84 min Scan# 3703

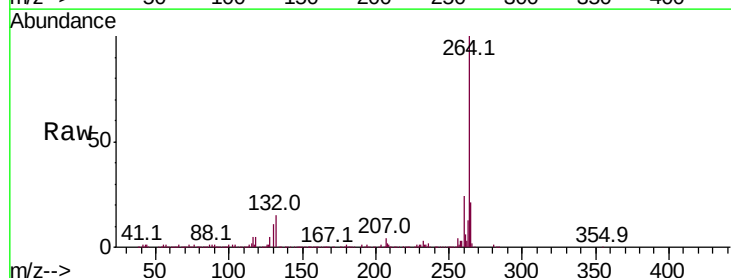
Delta R.T. -0.02 min

Lab File: BG041700.D

Acq: 17 Jul 2019 22:55

Tgt Ion:264 Resp: 806101

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	18.0	27.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

