

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041699.D
 Acq On : 17 Jul 2019 22:17
 Operator : HP/JU
 Sample : K3835-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 07:11:53 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

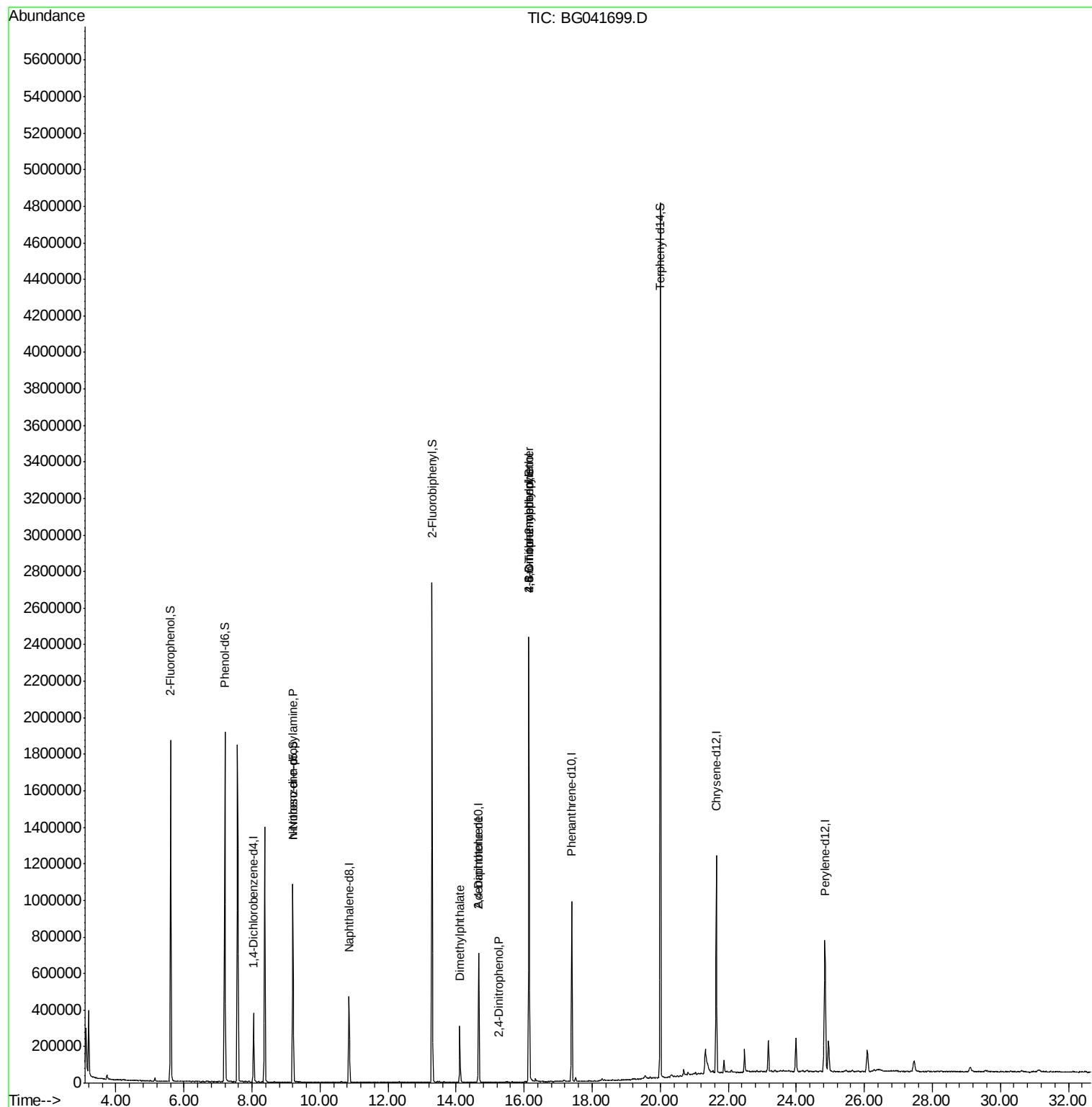
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	106986	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	424884	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	255374	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	647866	20.00	ng	0.00
76) Chrysene-d12	21.65	240	686403	20.00	ng	-0.01
87) Perylene-d12	24.84	264	785333	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	789567	120.65	ng	0.00
7) Phenol-d6	7.20	99	1092531	124.11	ng	0.00
23) Nitrobenzene-d5	9.20	82	655955	93.89	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	446498	155.14	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1388149	84.17	ng	0.00
79) Terphenyl-d14	20.00	244	2166710	73.77	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	2339	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	90264	14.029 ng	#	73
50) Dimethylphthalate	14.11	163	221577	11.047 ng	#	99
54) 2,4-Dinitrophenol	15.26	184	53	7.751 ng	#	21
57) 2,4-Dinitrotoluene	14.66	165	33124	5.890 ng	#	29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1606	7.123 ng	#	1
67) 4-Bromophenyl-phenylether	16.14	248	36086	4.681 ng	#	1
77) Benzidine	20.00	184	38271	Below Cal	#	91

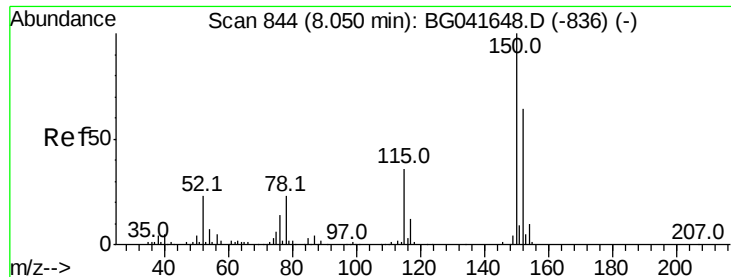
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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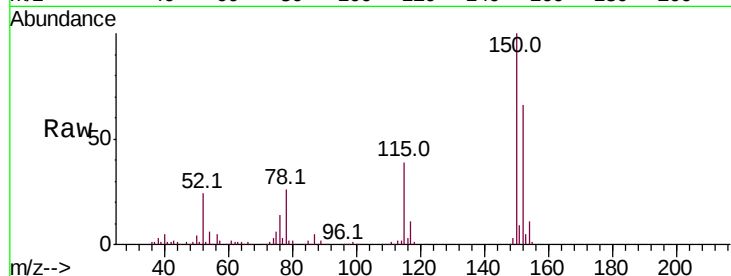


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.9	190.3
115	58.6	45.0	67.6

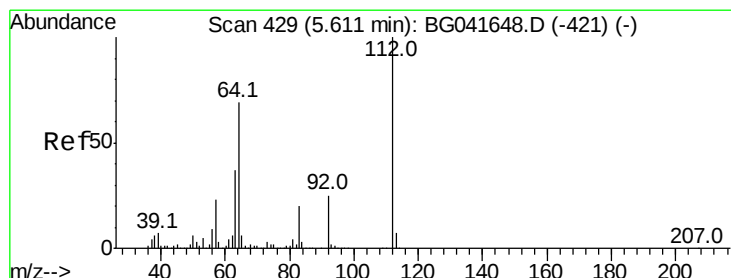
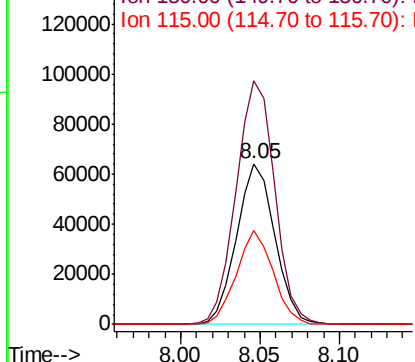
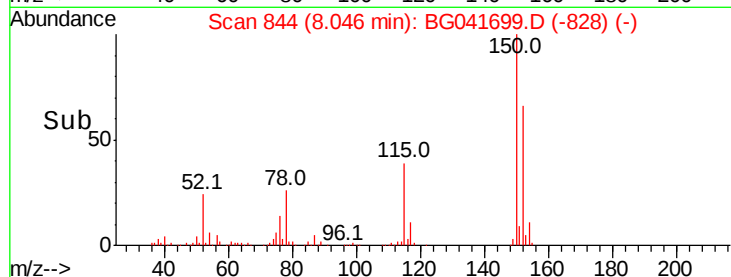


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

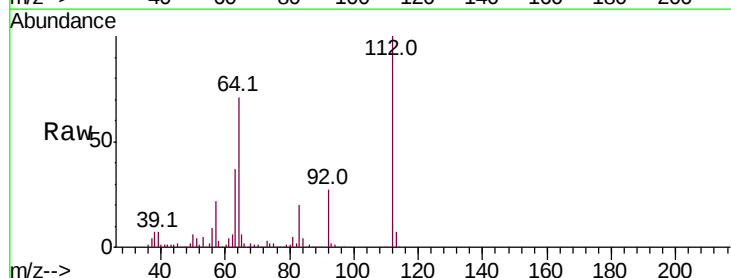
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.646 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	55.4	83.2
63	37.3	29.1	43.7

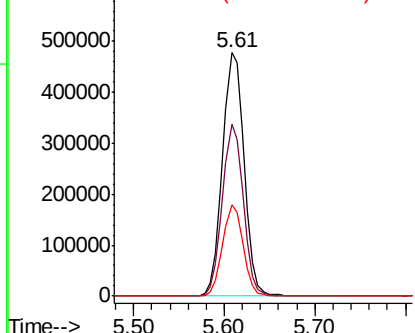
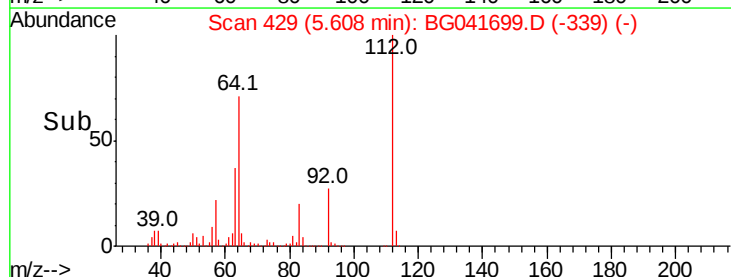


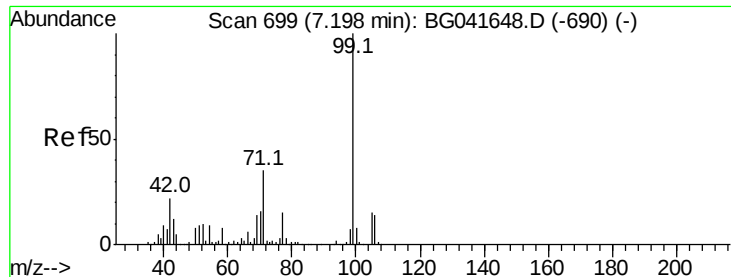
Abundance

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: 124.114 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

Instrument :

BNA_G

ClientSampleId :

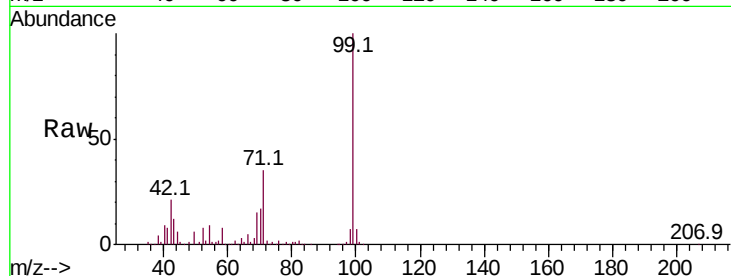
Tot Ion: 99 Resp: 1092531

Ion Ratio Lower Upper

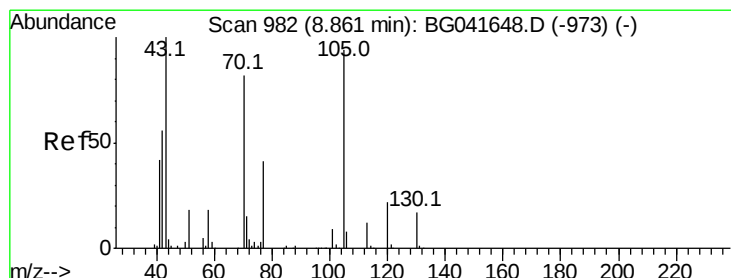
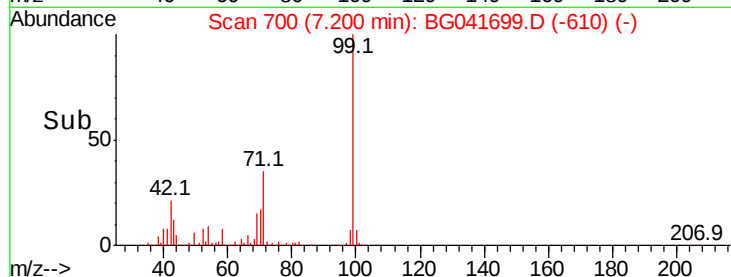
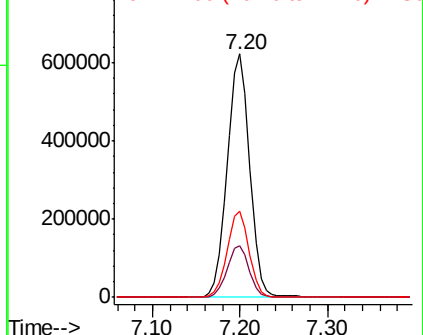
99 100

42 21.3 17.6 26.4

71 35.2 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: 14.029 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

Tgt Ion: 70 Resp: 90264

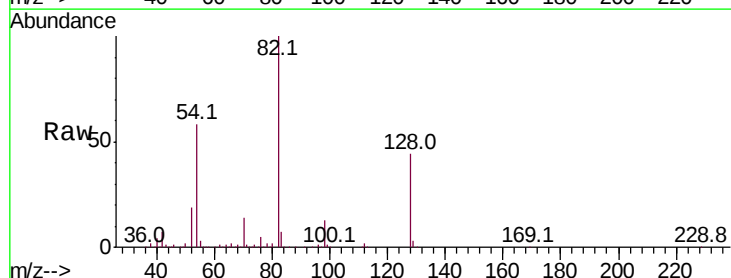
Ion Ratio Lower Upper

70 100

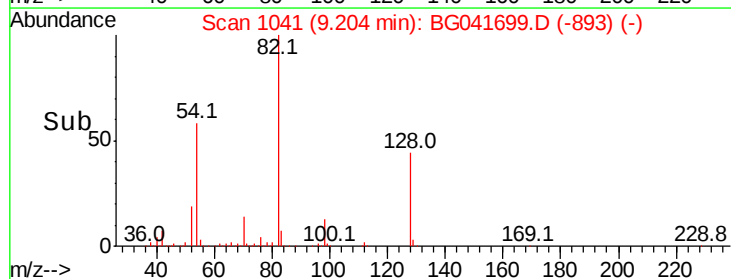
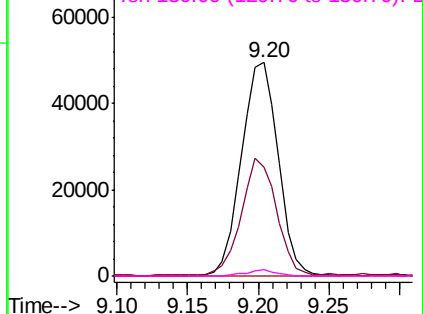
42 51.0 55.8 83.6#

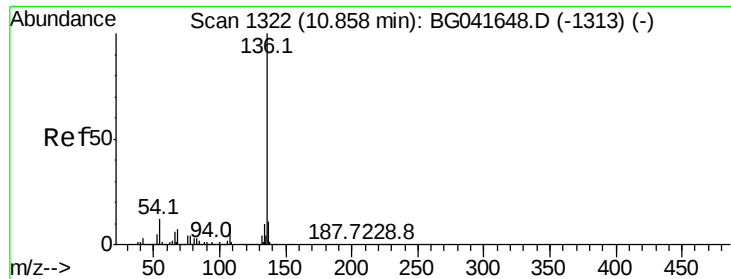
101 0.0 8.1 12.1#

130 2.8 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# 1322

Delta R.T. -0.00 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 424884

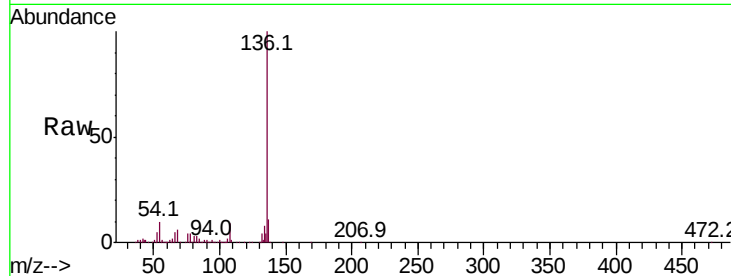
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 10.2 8.7 13.1

68 6.2 5.5 8.3

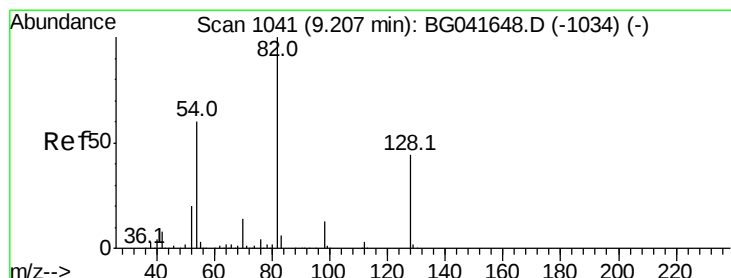
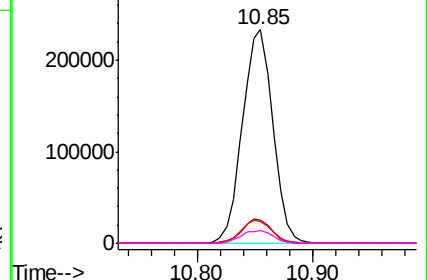
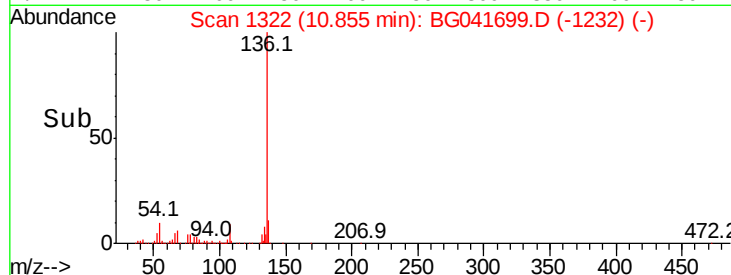


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 93.889 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

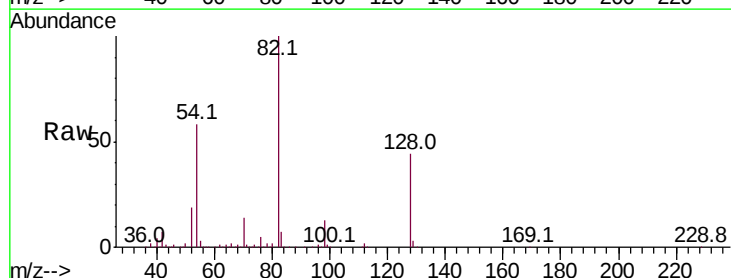
Tgt Ion: 82 Resp: 655955

Ion Ratio Lower Upper

82 100

128 44.2 35.1 52.7

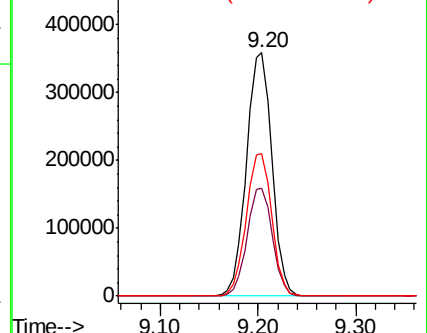
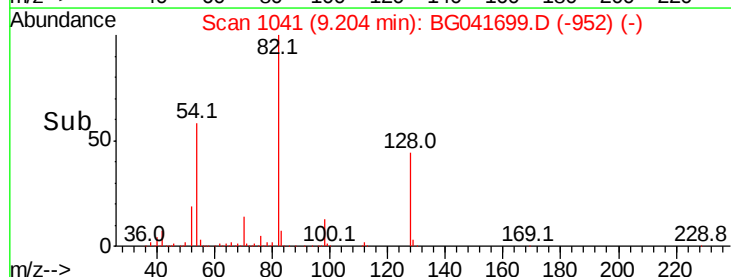
54 58.4 48.7 73.1

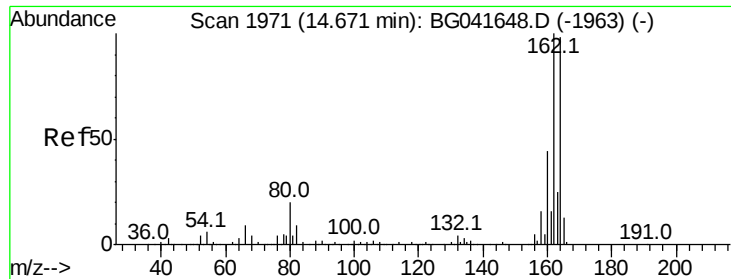


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

Instrument :

BNA_G

ClientSampleId :

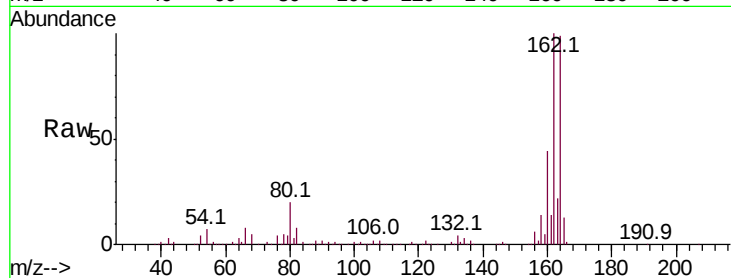
Tot Ion:164 Resp: 255374

Ion Ratio Lower Upper

164 100

162 101.4 79.6 119.4

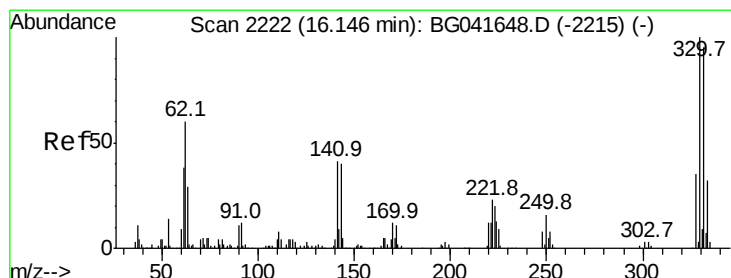
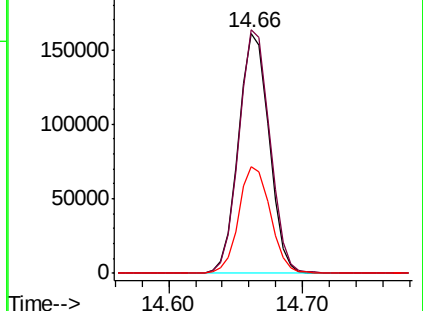
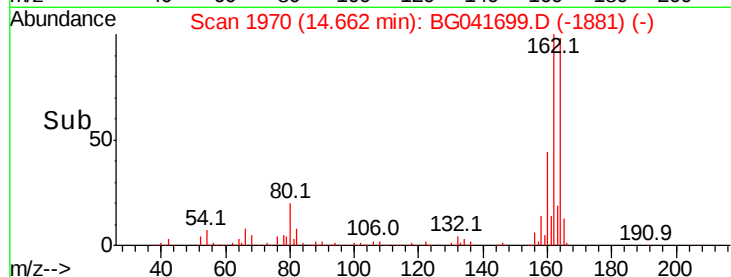
160 44.3 35.4 53.0



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: 155.140 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041699.D

Acq: 17 Jul 2019 22:17

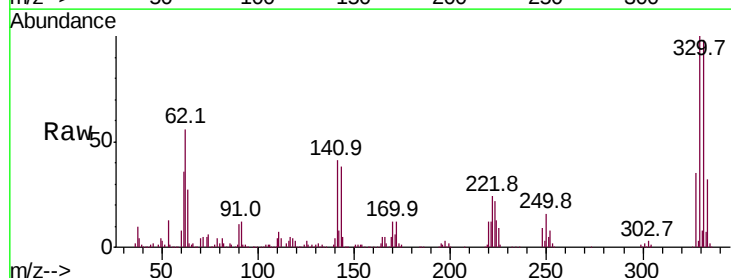
Tgt Ion:330 Resp: 446498

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

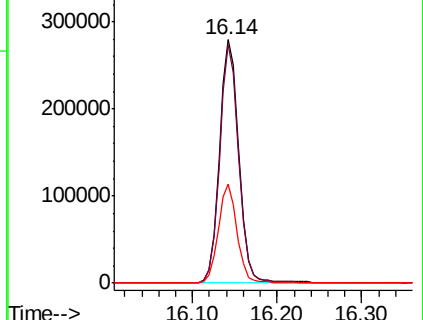
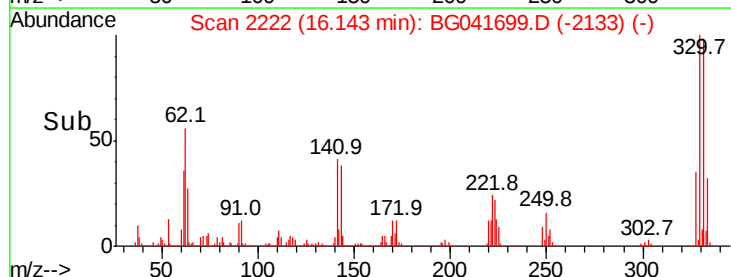
141 39.6 31.9 47.9

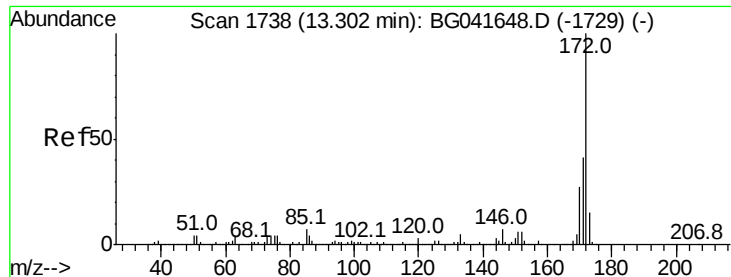


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

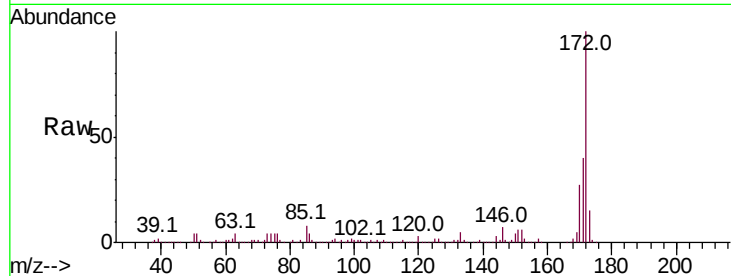




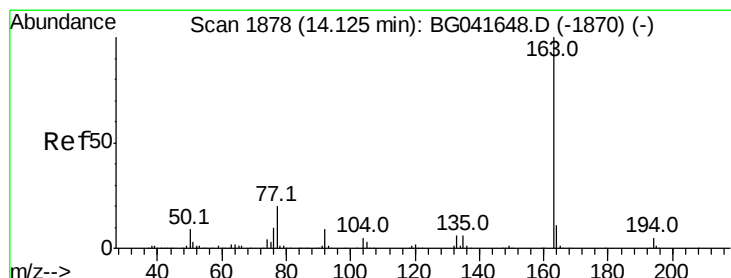
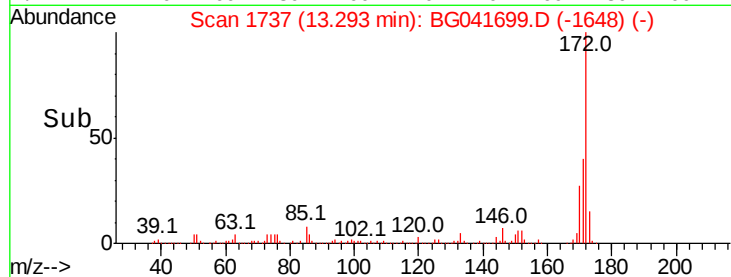
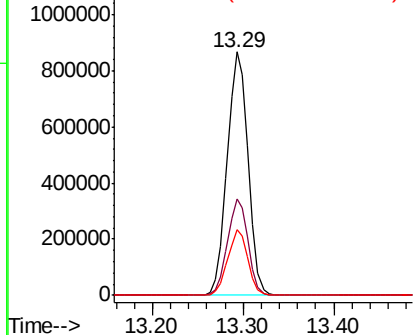
#45
2-Fluorobiphenyl
Concen: 84.172 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1388149
Ion Ratio Lower Upper
172 100
171 39.8 35.0 52.4
170 27.1 23.5 35.3

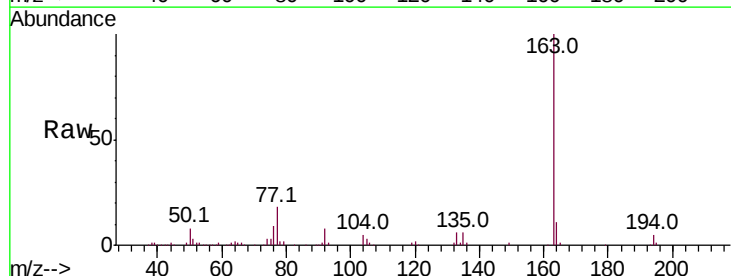


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

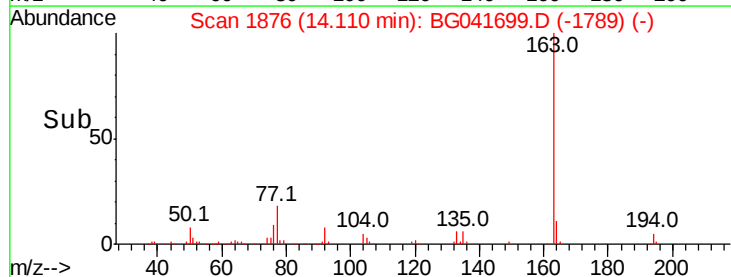
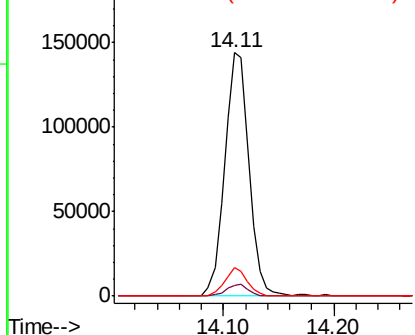


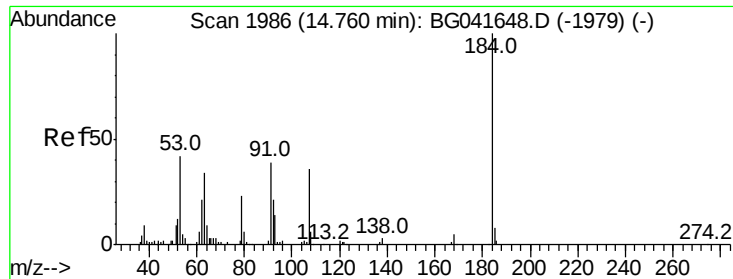
#50
Dimethylphthalate
Concen: 11.047 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Tgt Ion:163 Resp: 221577
Ion Ratio Lower Upper
163 100
194 4.5 4.2 6.2
164 11.5 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

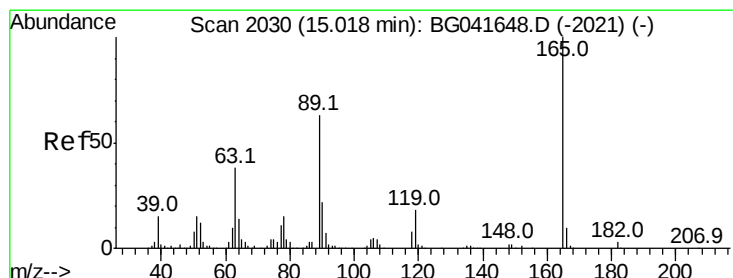
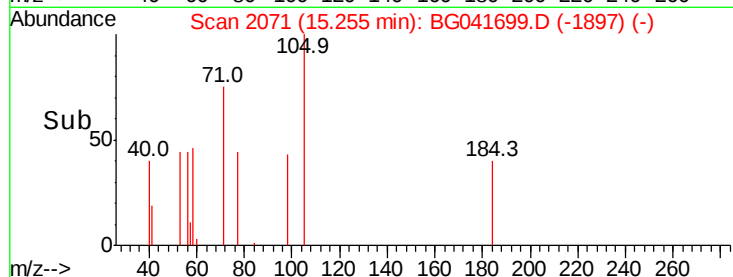
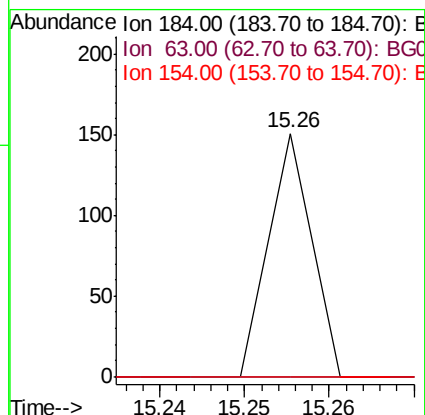
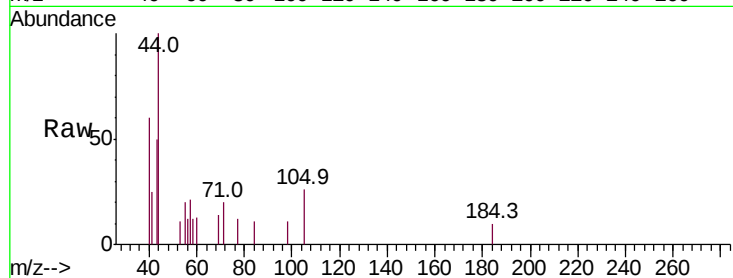




#54
2,4-Dinitrophenol
Concen: 7.751 ng
RT: 15.26 min Scan# 2071
Delta R.T. 0.49 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

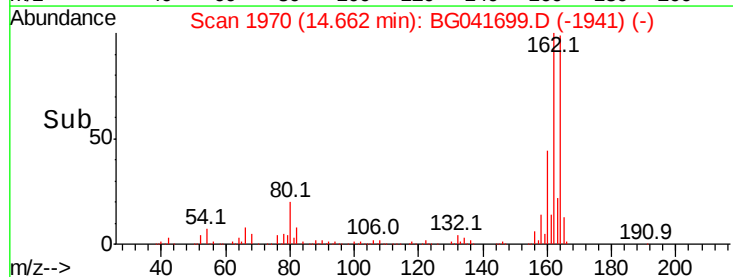
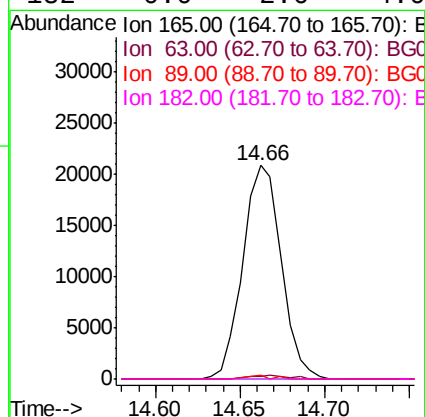
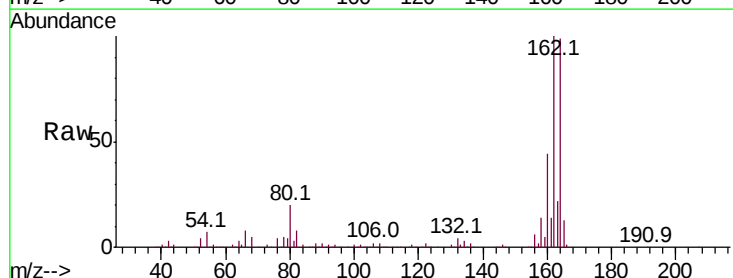
Instrument :
BNA_G
ClientSampleId :

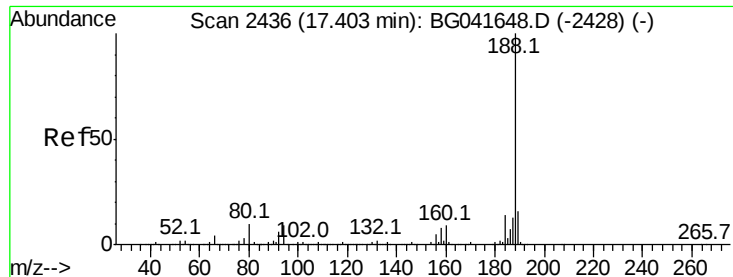
Tot Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 43.2 64.8#
154 0.0 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Tgt Ion:165 Resp: 33124
Ion Ratio Lower Upper
165 100
63 1.0 31.7 47.5#
89 1.7 50.2 75.4#
182 0.0 2.6 4.0#

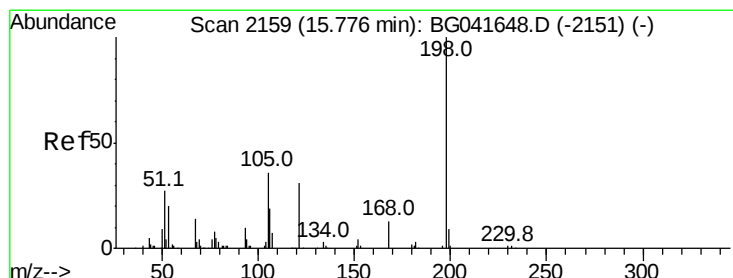
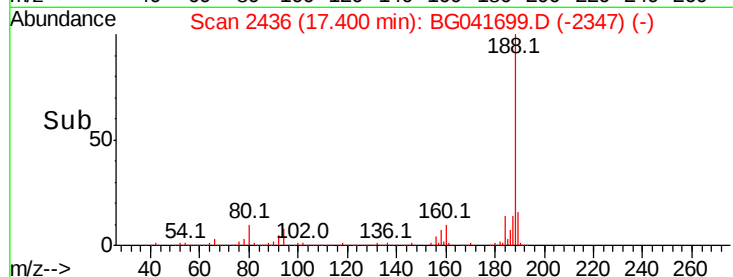
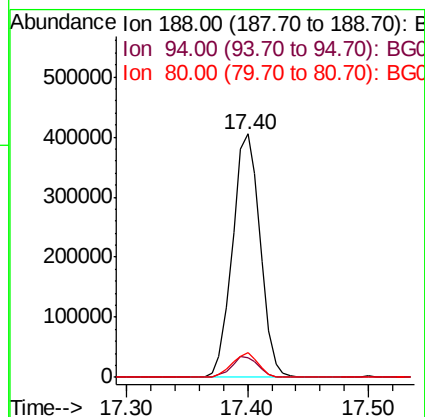
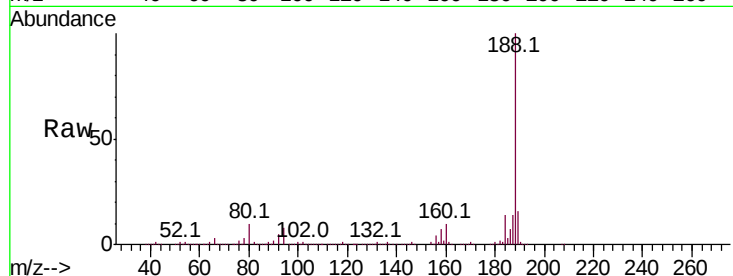




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

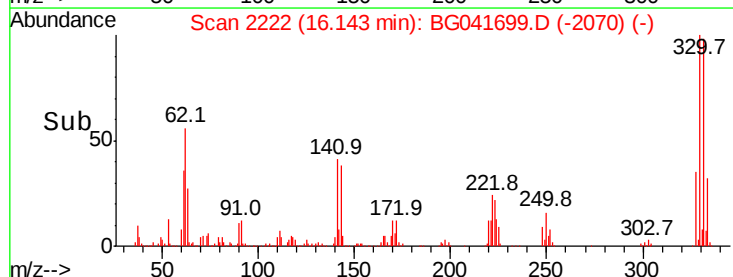
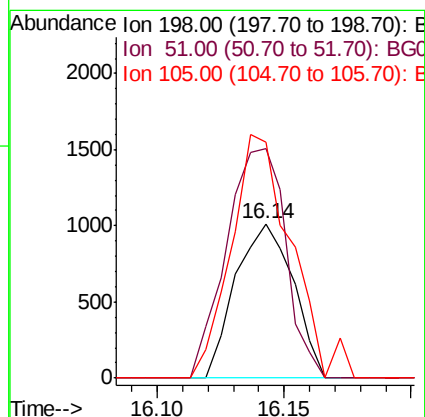
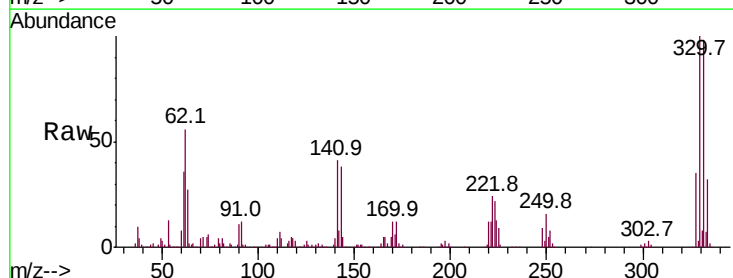
Instrument :
BNA_G
ClientSampled :

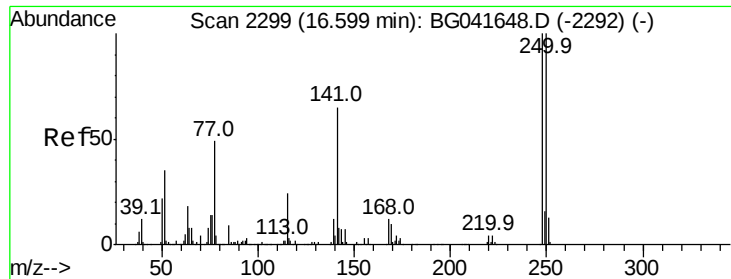
Tot Ion:188 Resp: 647866
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 9.9 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.123 ng
RT: 16.14 min Scan# 2222
Delta R.T. 0.36 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Tgt Ion:198 Resp: 1606
Ion Ratio Lower Upper
198 100
51 148.9 22.3 62.3#
105 152.6 18.0 58.0#

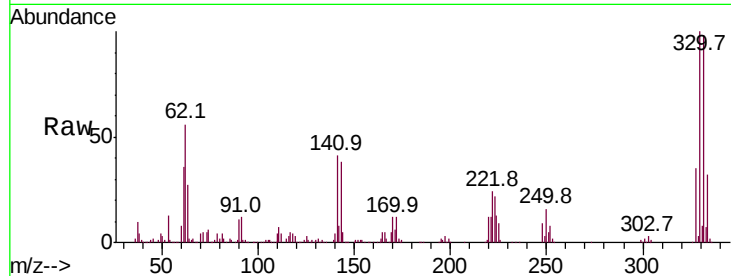




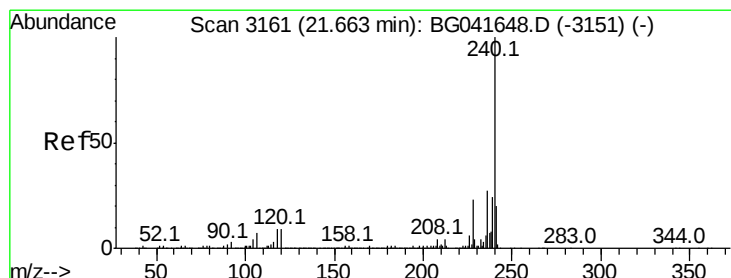
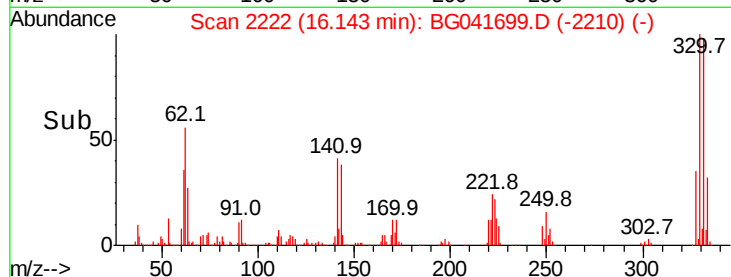
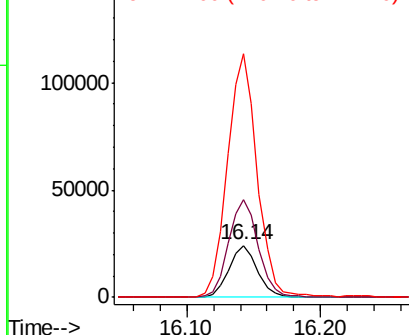
#67
4-Bromophenyl-phenylether
Concen: 4.681 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 36086
Ion Ratio Lower Upper
248 100
250 188.5 78.1 117.1#
141 469.2 49.6 74.4#

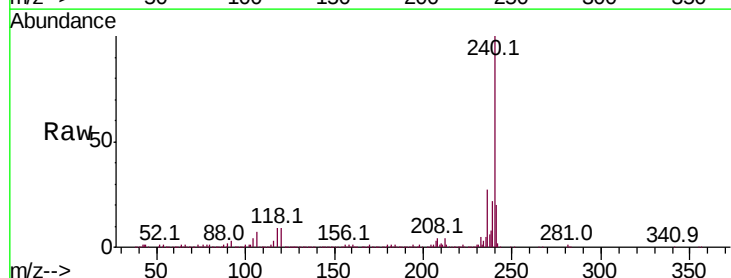


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

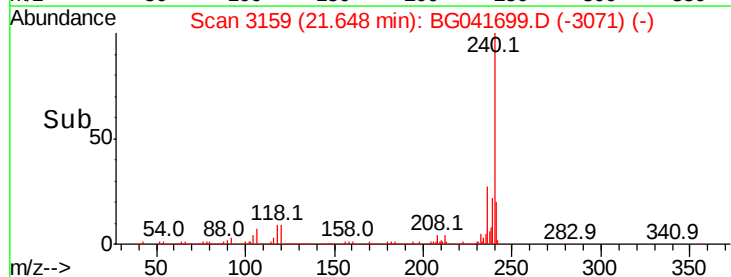
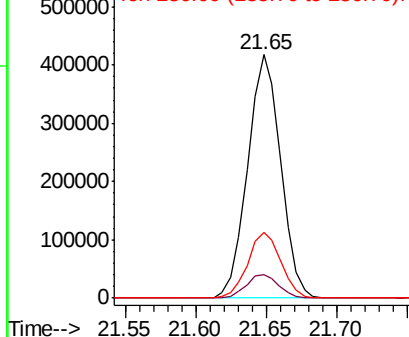


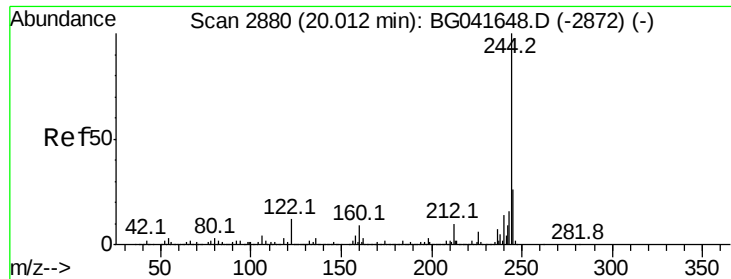
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG041699.D
Acq: 17 Jul 2019 22:17

Tgt Ion:240 Resp: 686403
Ion Ratio Lower Upper
240 100
120 9.4 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



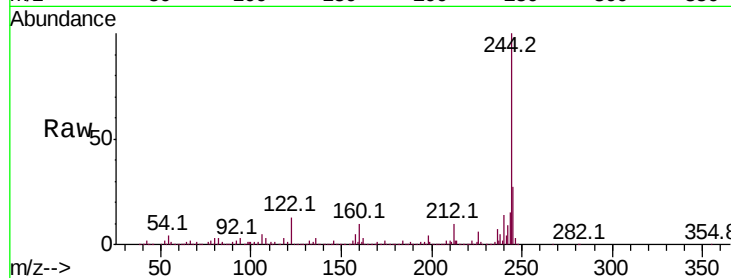


#79
 Terphenyl-d14
 Concen: 73.766 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041699.D
 Acq: 17 Jul 2019 22:17

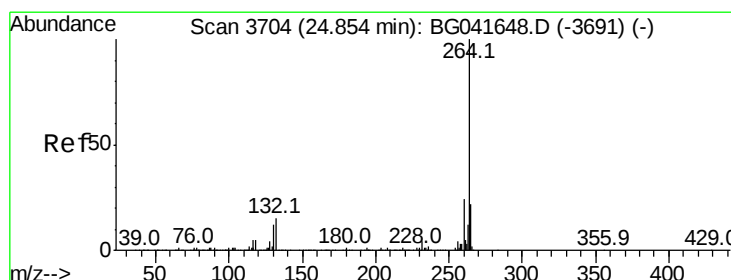
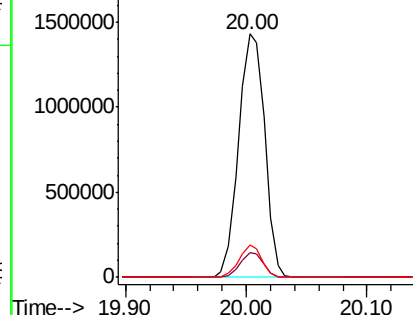
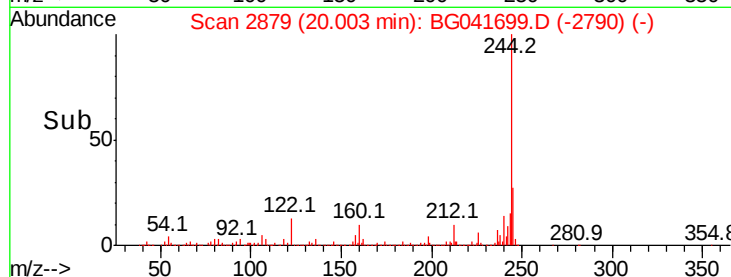
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2166710

Ion	Ratio	Lower	Upper
244	100		
212	10.2	9.7	14.5
122	13.2	12.5	18.7



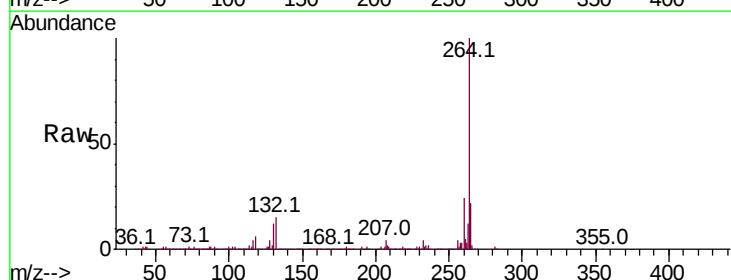
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3703
 Delta R.T. -0.02 min
 Lab File: BG041699.D
 Acq: 17 Jul 2019 22:17

Tgt Ion:264 Resp: 785333

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.4	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

