

Data File : BG041717.D
Acq On : 18 Jul 2019 19:43
Operator : HP/JU
Sample : K3834-14
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-7

Quant Time: Jul 19 08:26:39 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	120772	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	483094	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	306840	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	738949	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	714837	20.00	ng	-0.02
87) Perylene-d12	24.83	264	805991	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	380662	51.53	ng	0.00
7) Phenol-d6	7.20	99	320364	32.24	ng	0.00
23) Nitrobenzene-d5	9.20	82	751751	94.64	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	498331	144.11	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1766874	89.17	ng	0.00
79) Terphenyl-d14	20.01	244	2484067	81.21	ng	0.00

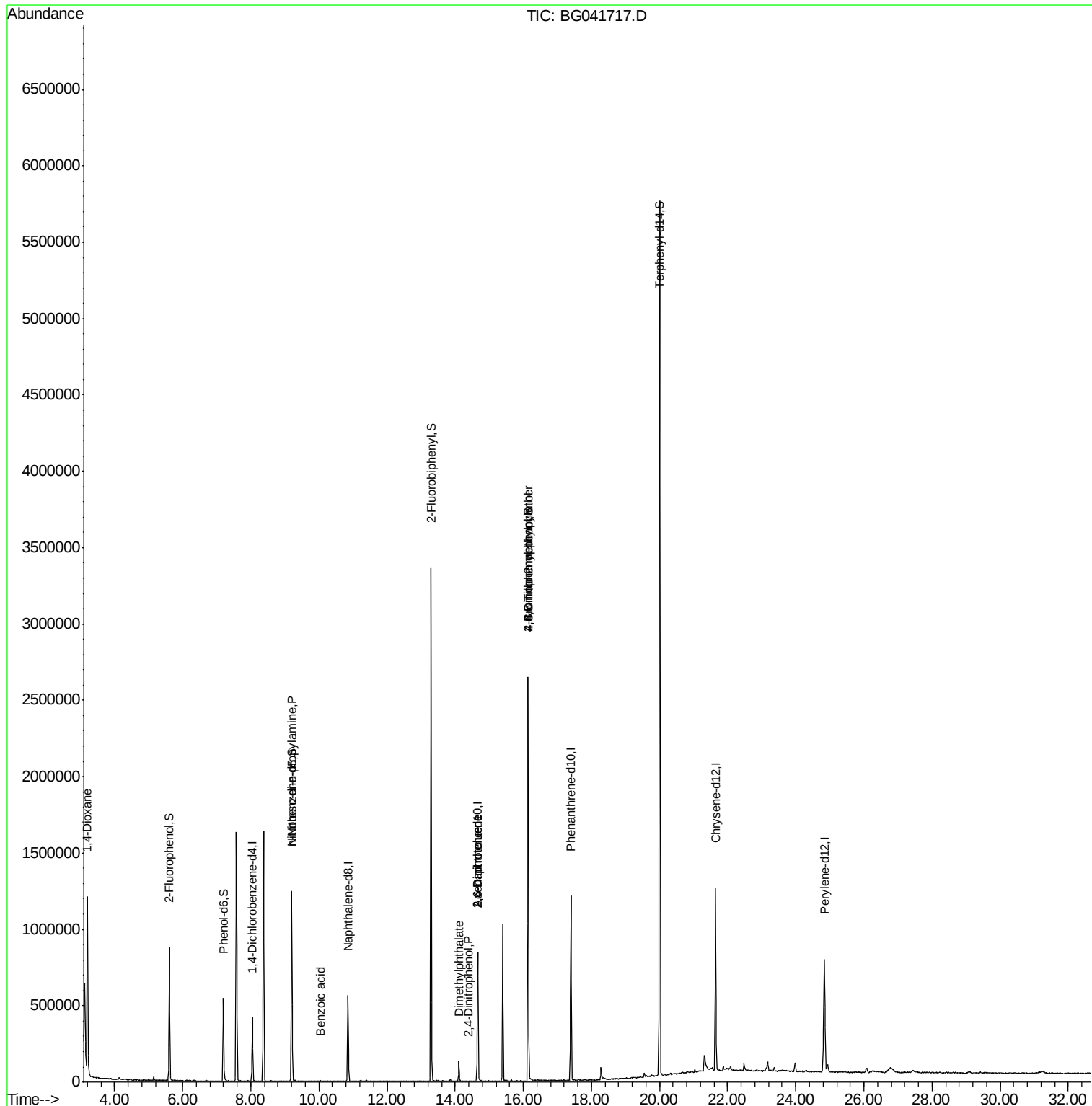
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	13437	3.830	ng	# 1
9) Benzaldehyde	7.18	77	915	Below Cal		# 57
19) n-Nitroso-di-n-propylamine	9.20	70	104088	14.331	ng	# 72
32) Benzoic acid	10.05	122	3052	6.523	ng	# 89
50) Dimethylphthalate	14.11	163	100051	4.152	ng	# 97
51) 2,6-Dinitrotoluene	14.66	165	41060	8.033	ng	# 28
54) 2,4-Dinitrophenol	14.39	184	69	7.753	ng	# 21
57) 2,4-Dinitrotoluene	14.66	165	41060	6.077	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1907	7.142	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	40097	4.560	ng	# 1

(#) = 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: BG041717.D

Acq: 18 Jul 2019 19:43

Instrument :

BNA_G

ClientSampled :

TW-7

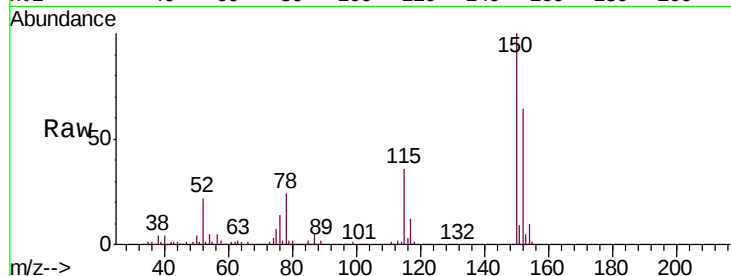
Tgt Ion:152 Resp: 120772

Ion Ratio Lower Upper

152 100

150 155.2 126.9 190.3

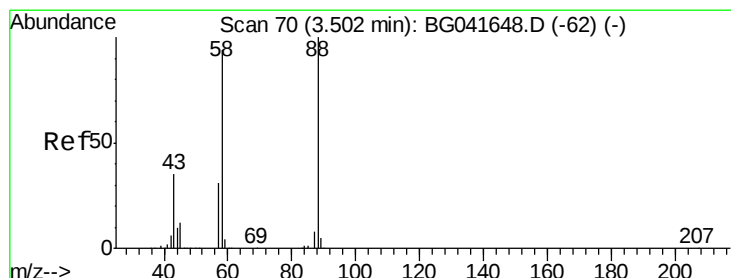
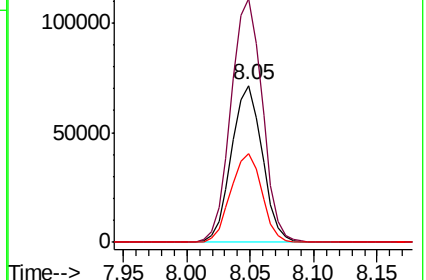
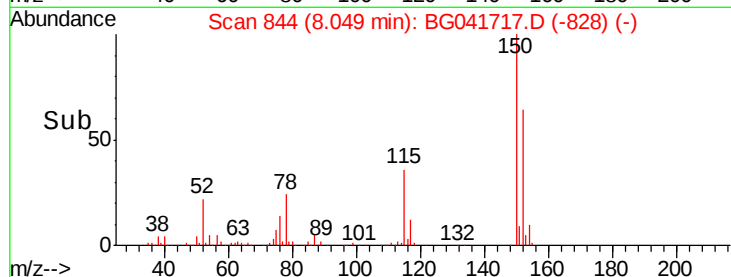
115 56.4 45.0 67.6



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



#2

1,4-Dioxane

Concen: 3.830 ng

RT: 3.20 min Scan# 19

Delta R.T. -0.29 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

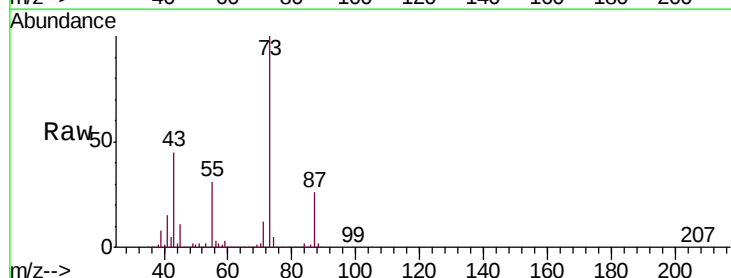
Tgt Ion: 88 Resp: 13437

Ion Ratio Lower Upper

88 100

58 28.4 76.2 114.2#

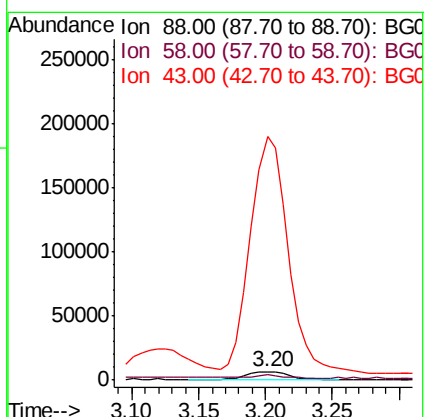
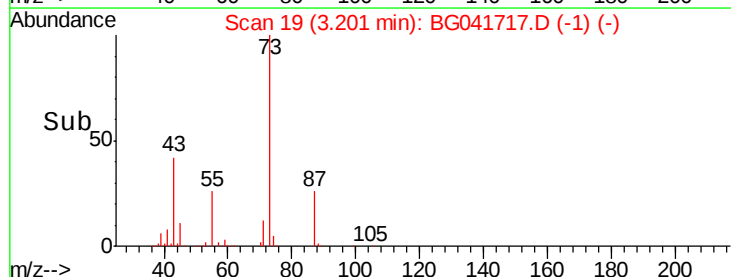
43 2720.0 27.2 40.8#

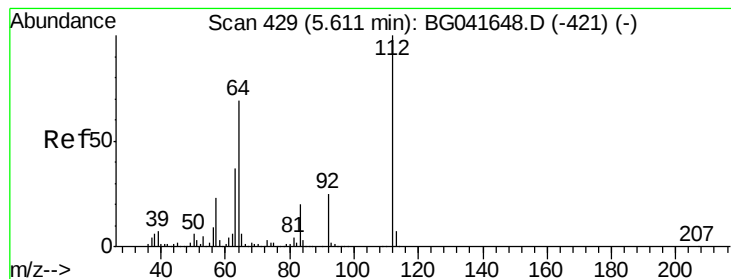


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 51.526 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

Instrument :

BNA_G

ClientSampleId :

TW-7

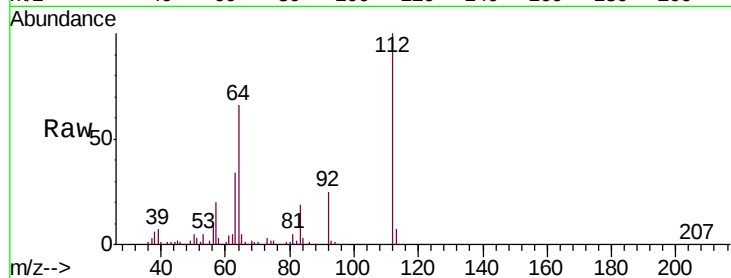
Tgt Ion: 112 Resp: 380662

Ion Ratio Lower Upper

112 100

64 66.5 55.4 83.2

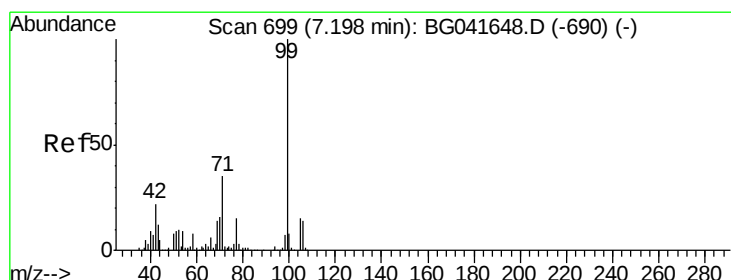
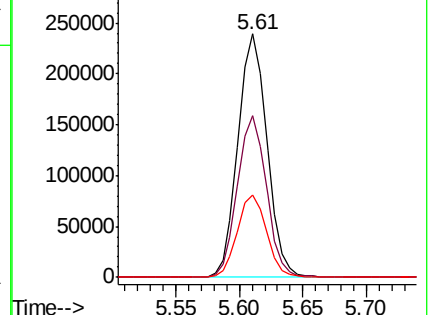
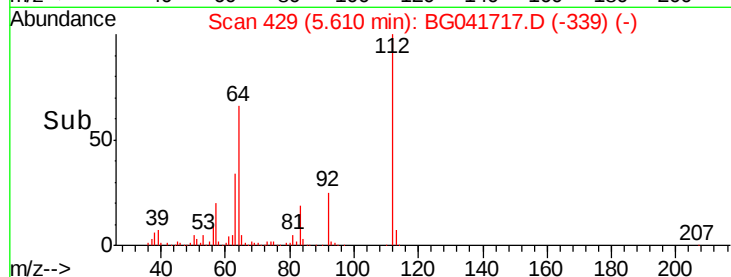
63 33.7 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 32.240 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

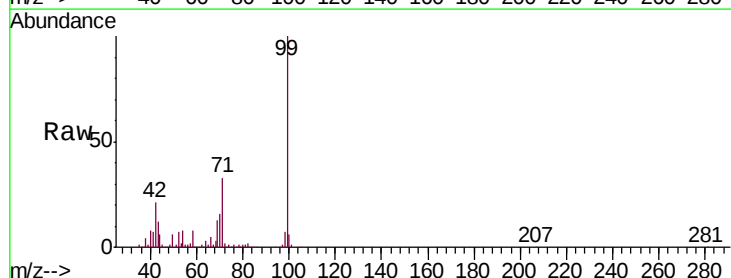
Tgt Ion: 99 Resp: 320364

Ion Ratio Lower Upper

99 100

42 20.9 17.6 26.4

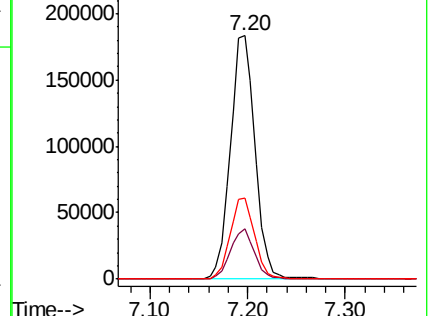
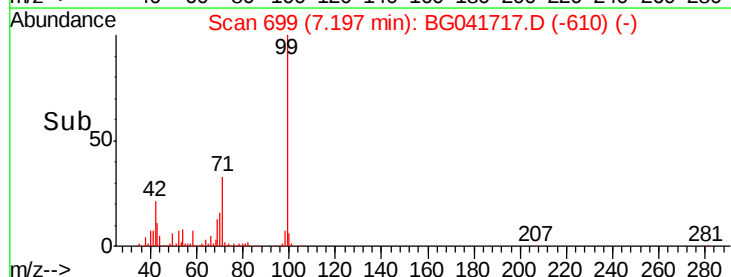
71 33.4 27.8 41.6

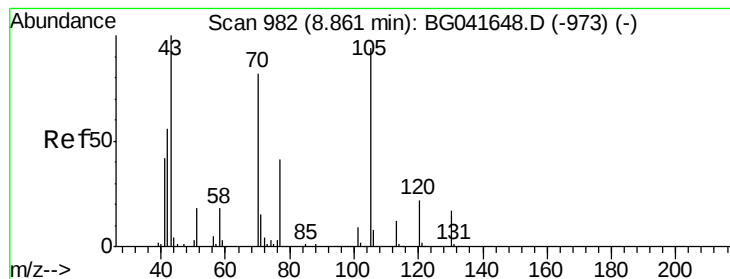


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.331 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

Instrument :

BNA_G

ClientSampleId :

TW-7

Tgt Ion: 70 Resp: 104088

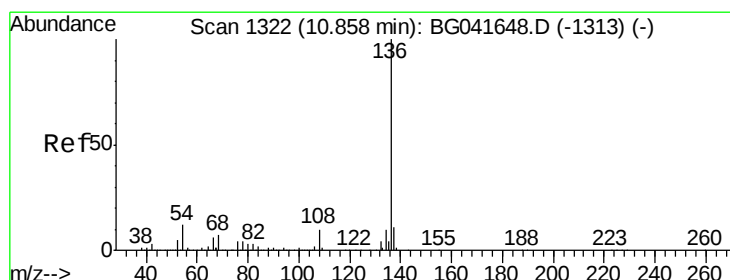
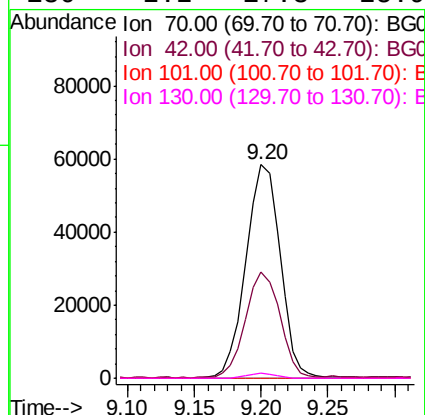
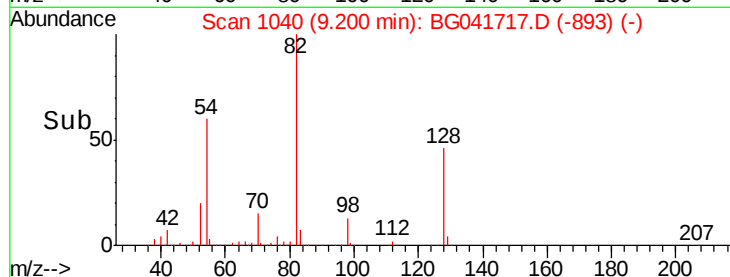
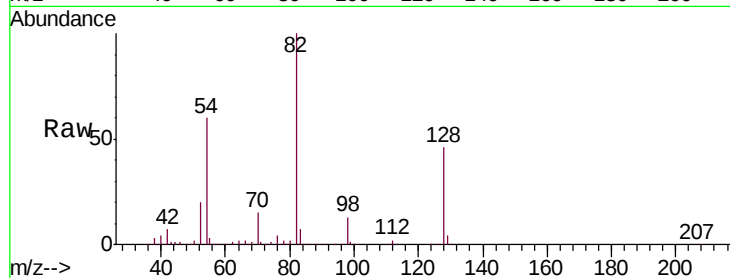
Ion Ratio Lower Upper

70 100

42 49.6 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: BG041717.D

Acq: 18 Jul 2019 19:43

Tgt Ion: 136 Resp: 483094

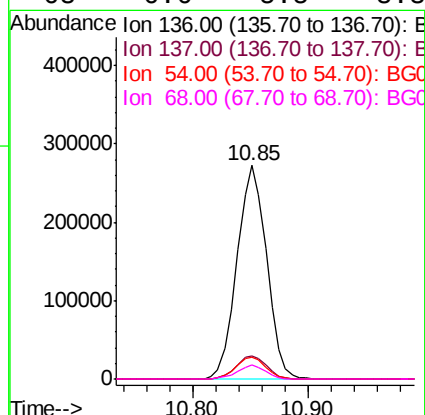
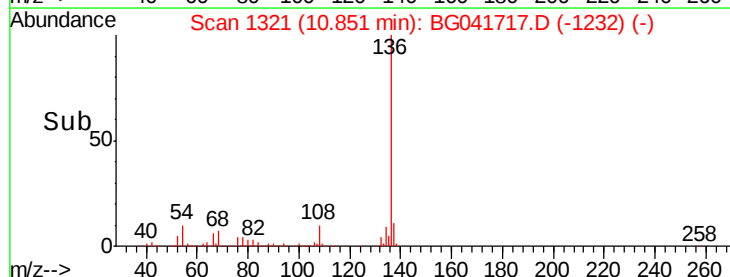
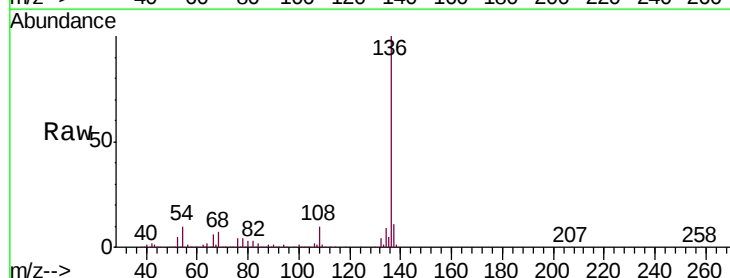
Ion Ratio Lower Upper

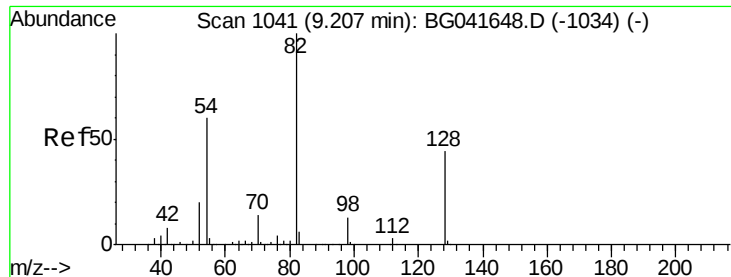
136 100

137 10.9 9.2 13.8

54 10.3 8.7 13.1

68 6.6 5.5 8.3

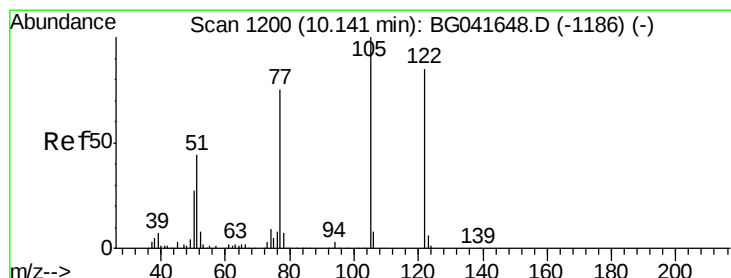
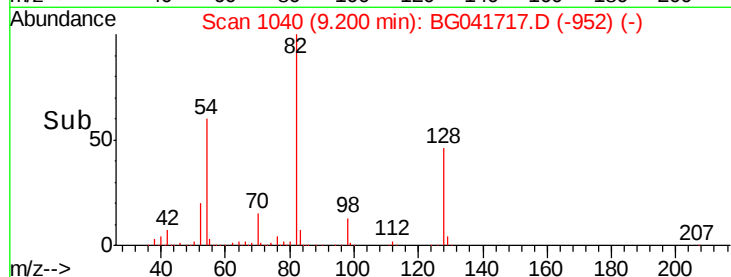
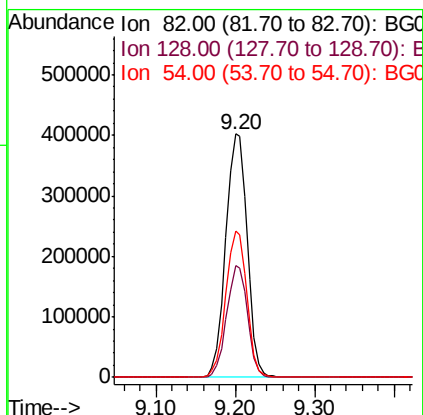
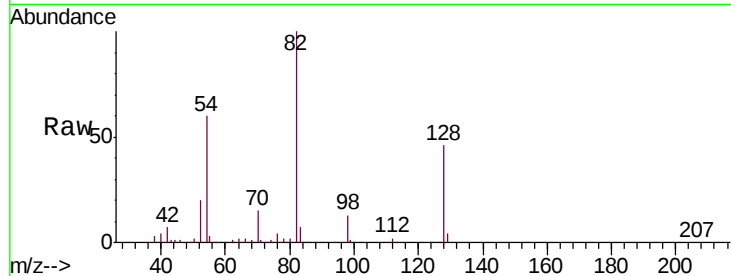




#23
 Nitrobenzene-d5
 Concen: 94.635 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG041717.D
 Acq: 18 Jul 2019 19:43

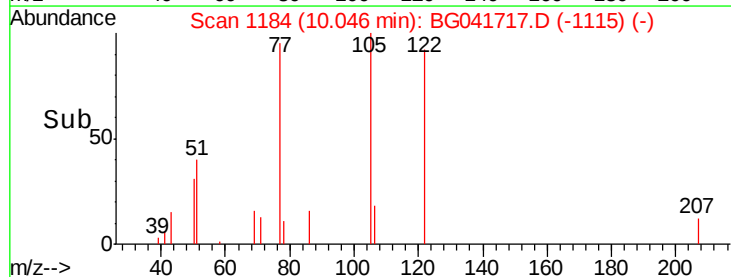
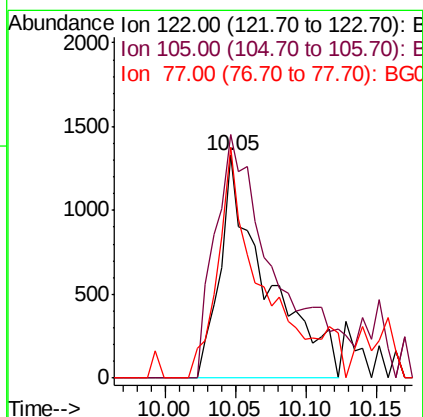
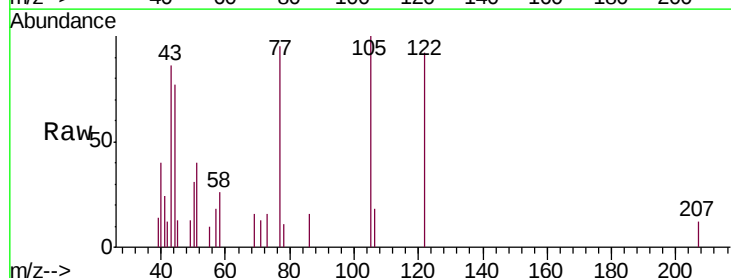
Instrument :
 BNA_G
 ClientSampleId :
 TW-7

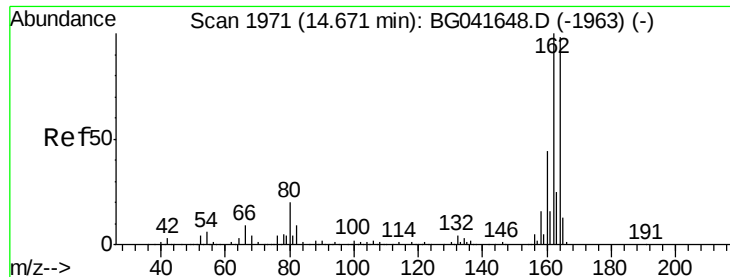
Tgt Ion: 82 Resp: 751751
 Ion Ratio Lower Upper
 82 100
 128 45.7 35.1 52.7
 54 60.2 48.7 73.1



#32
 Benzoic acid
 Concen: 6.523 ng
 RT: 10.05 min Scan# 1184
 Delta R.T. -0.12 min
 Lab File: BG041717.D
 Acq: 18 Jul 2019 19:43

Tgt Ion: 122 Resp: 3052
 Ion Ratio Lower Upper
 122 100
 105 109.2 101.5 141.5
 77 103.5 73.0 113.0

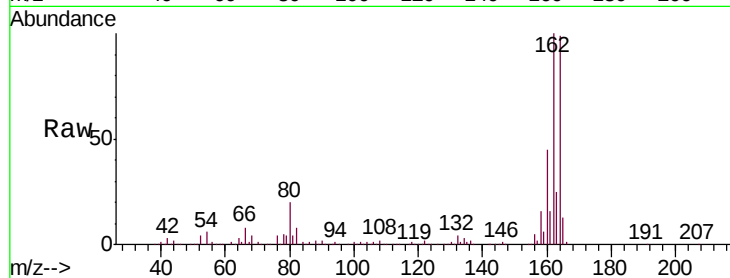




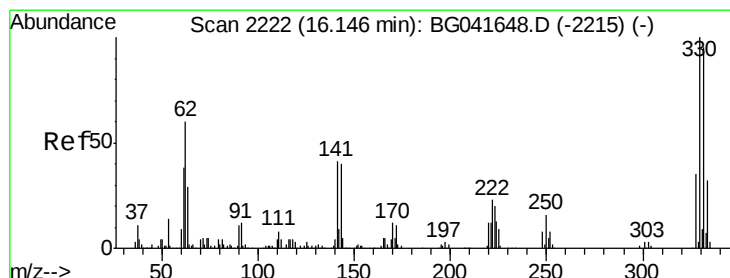
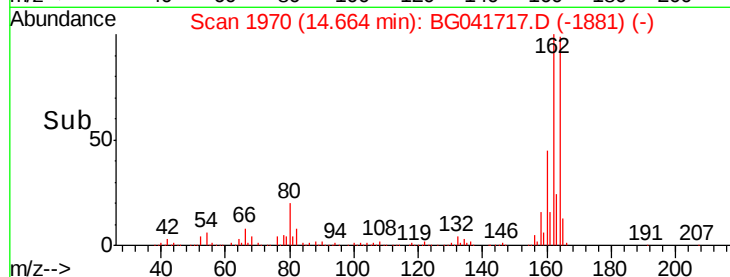
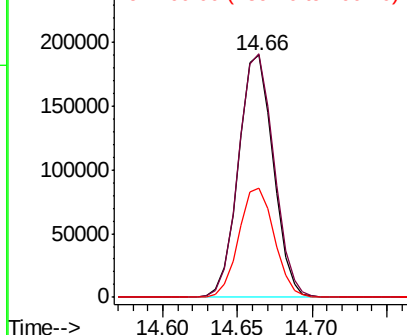
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

Instrument :
BNA_G
ClientSampleId :
TW-7

Tgt Ion:164 Resp: 306840
Ion Ratio Lower Upper
164 100
162 100.5 79.6 119.4
160 45.1 35.4 53.0

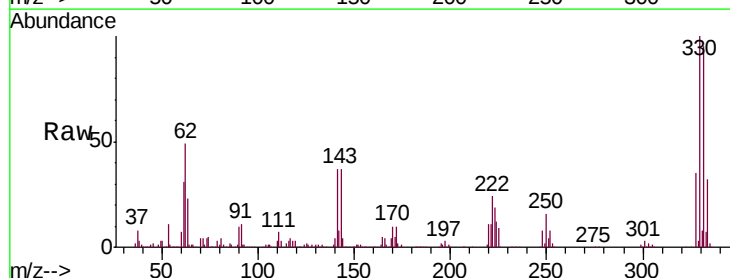


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

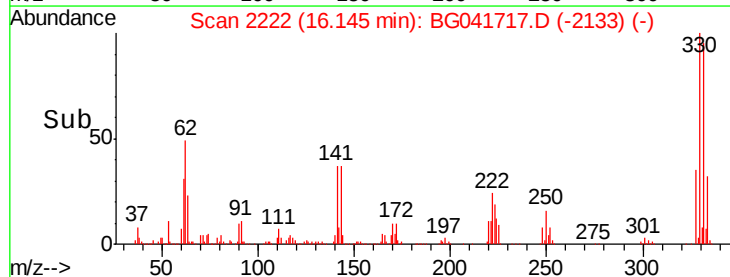
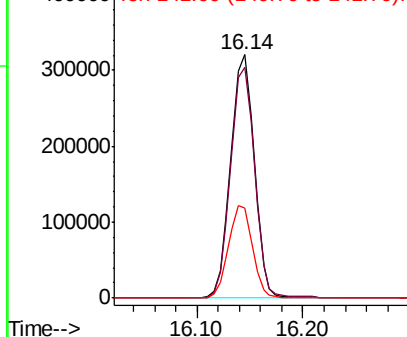


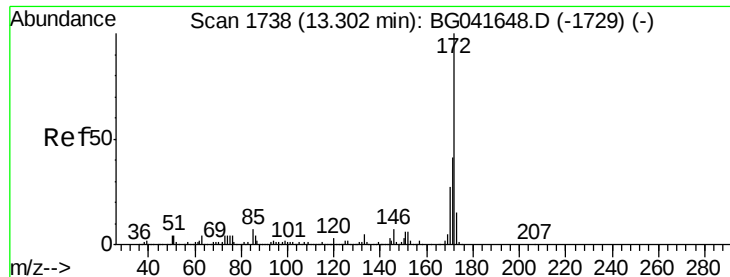
#42
2,4,6-Tribromophenol
Concen: 144.108 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

Tgt Ion:330 Resp: 498331
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 38.5 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

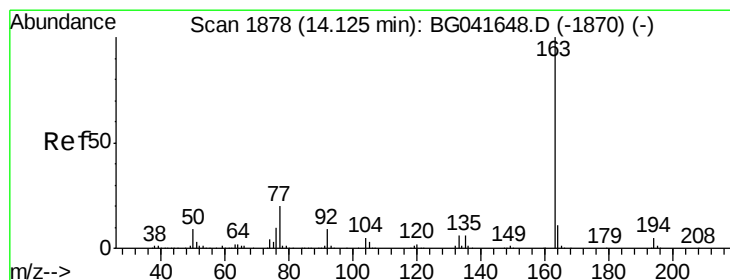
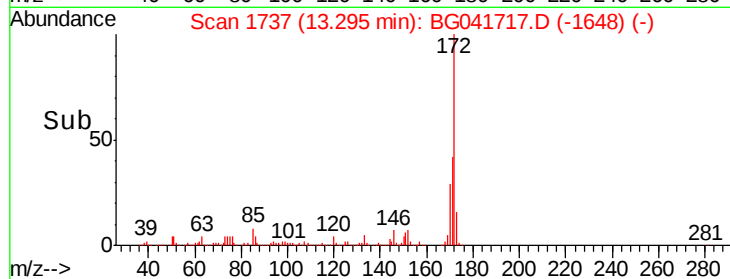
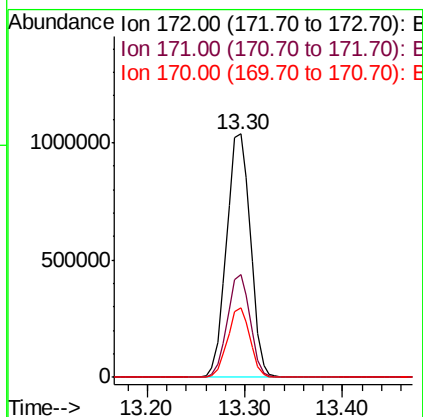
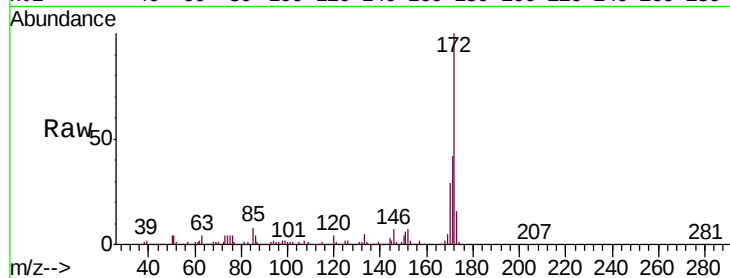




#45
2-Fluorobiphenyl
Concen: 89.167 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

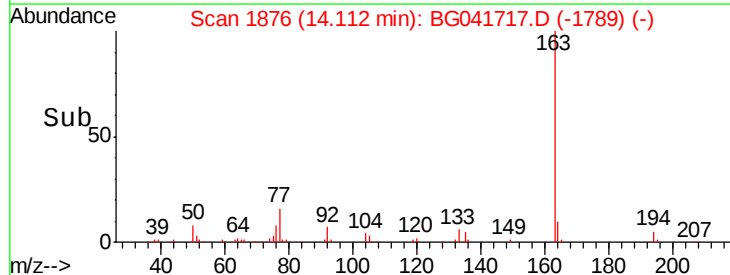
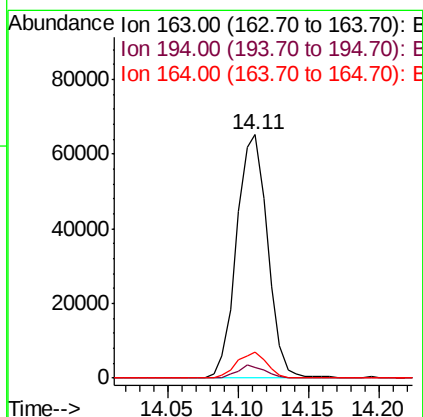
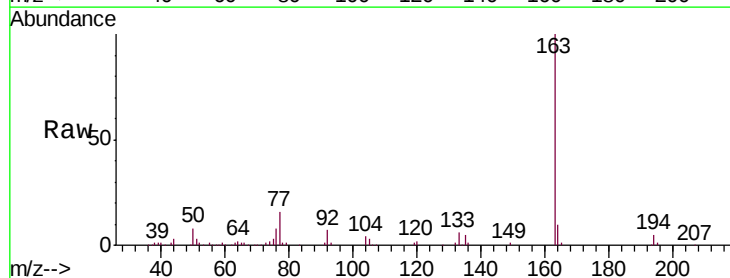
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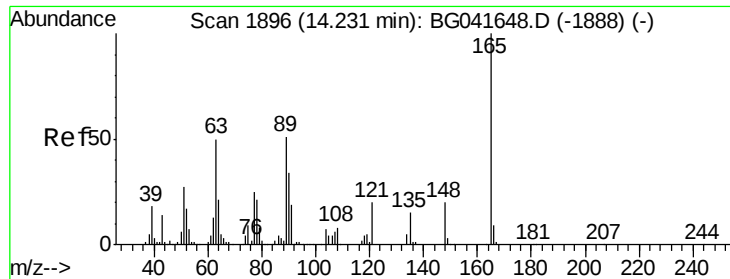
Tgt Ion:172 Resp: 1766874
Ion Ratio Lower Upper
172 100
171 42.4 35.0 52.4
170 28.6 23.5 35.3



#50
Dimethylphthalate
Concen: 4.152 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

Tgt Ion:163 Resp: 100051
Ion Ratio Lower Upper
163 100
194 4.6 4.2 6.2
164 10.4 9.4 14.2





#51

2,6-Dinitrotoluene

Concen: 8.033 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

Instrument :

BNA_G

ClientSampleId :

TW-7

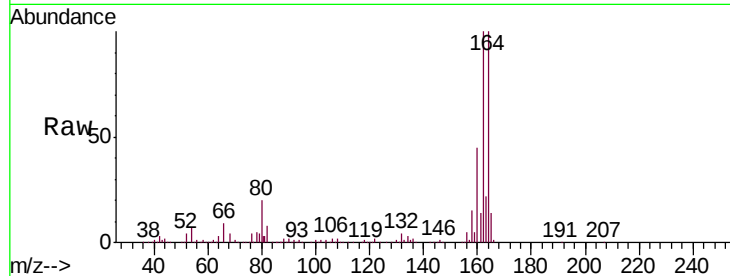
Tgt Ion:165 Resp: 41060

Ion Ratio Lower Upper

165 100

63 1.6 42.4 63.6#

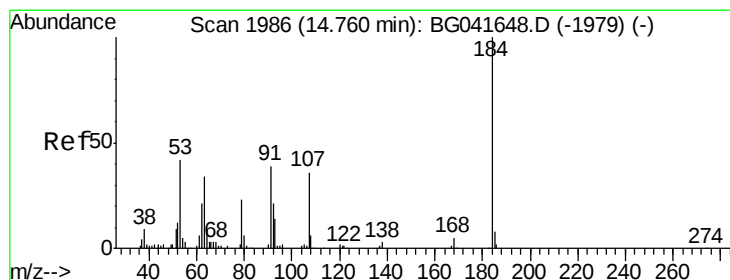
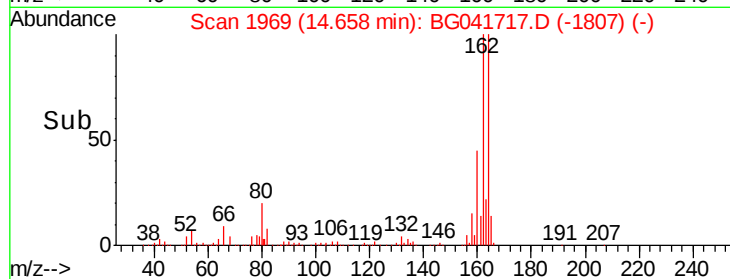
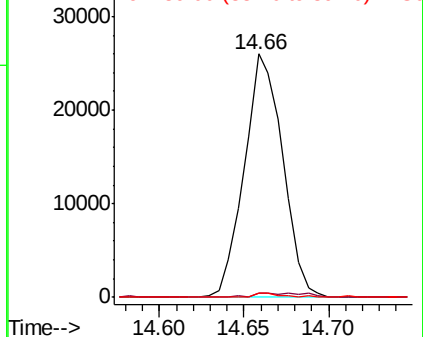
89 1.6 42.1 63.1#



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



#54

2,4-Dinitrophenol

Concen: 7.753 ng

RT: 14.39 min Scan# 1924

Delta R.T. -0.37 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

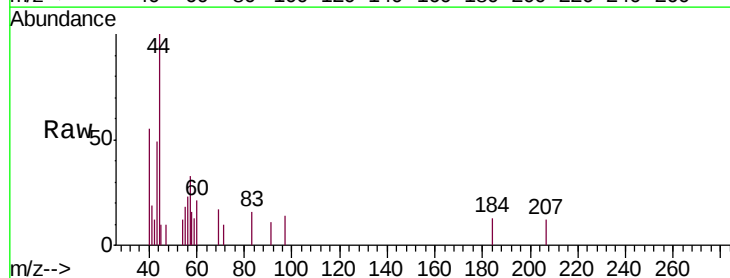
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 0.0 43.2 64.8#

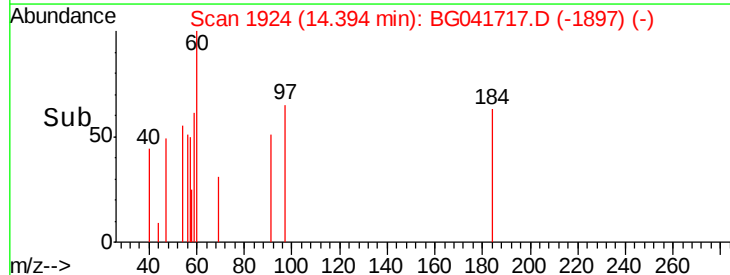
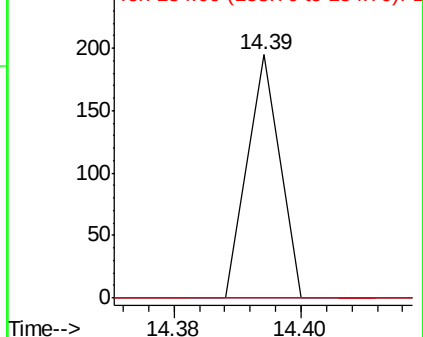
154 0.0 51.4 77.2#

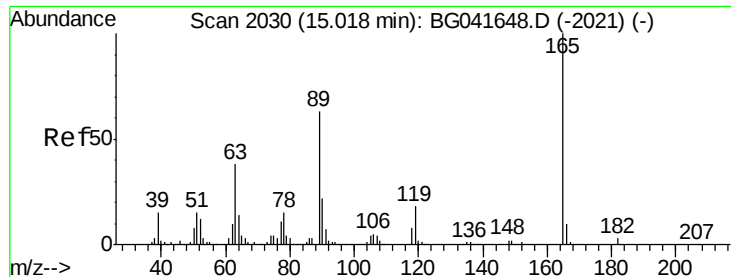


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

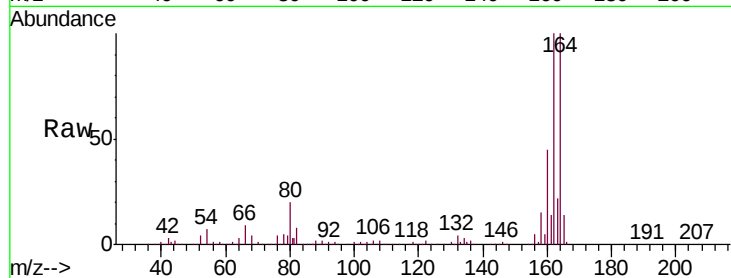




#57
 2,4-Dinitrotoluene
 Concen: 6.077 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG041717.D
 Acq: 18 Jul 2019 19:43

Instrument :
 BNA_G
 ClientSampleId :
 TW-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.7	47.5#
89	1.6	50.2	75.4#
182	0.0	2.6	4.0#

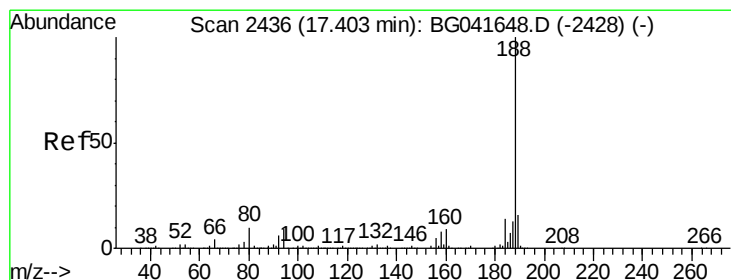
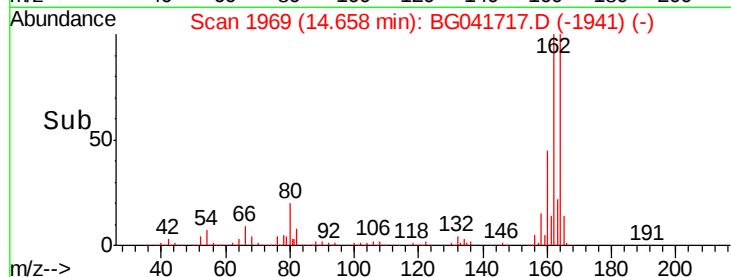
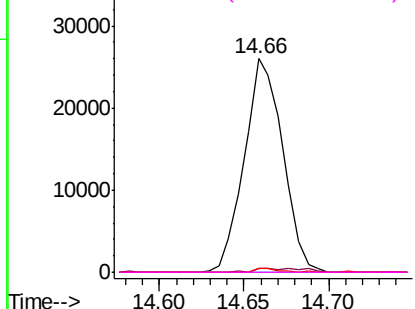


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

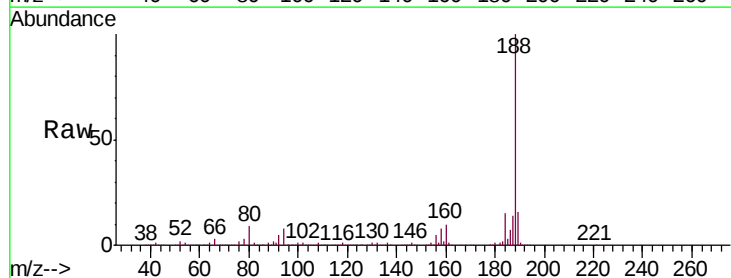
Ion 89.00 (88.70 to 89.70): BGC

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: BG041717.D
 Acq: 18 Jul 2019 19:43

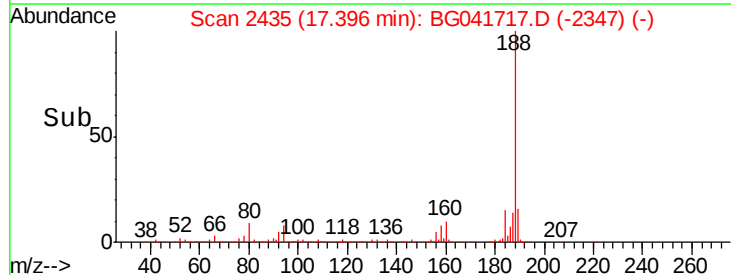
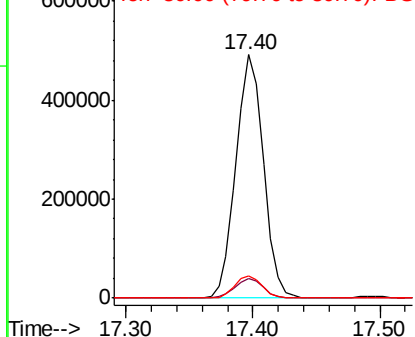
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	9.3	8.0	12.0

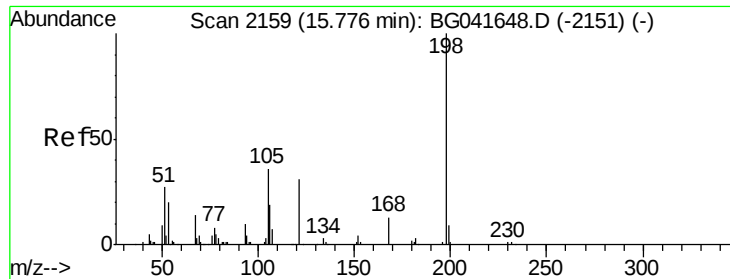


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.142 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

Instrument :

BNA_G

ClientSampleId :

TW-7

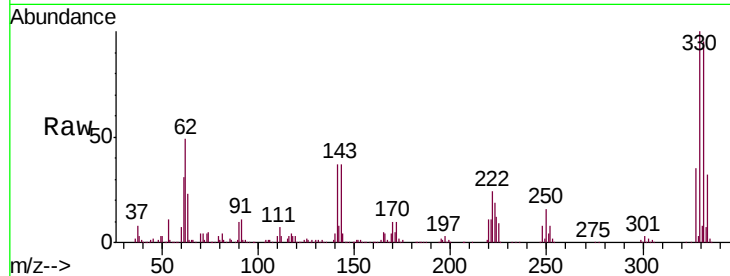
Tgt Ion:198 Resp: 1907

Ion Ratio Lower Upper

198 100

51 127.2 22.3 62.3#

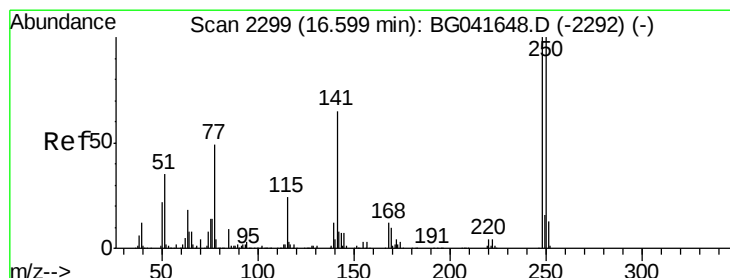
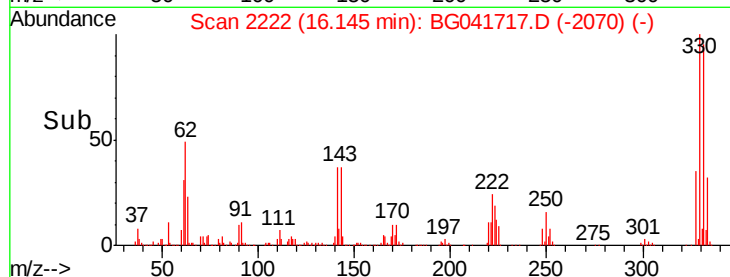
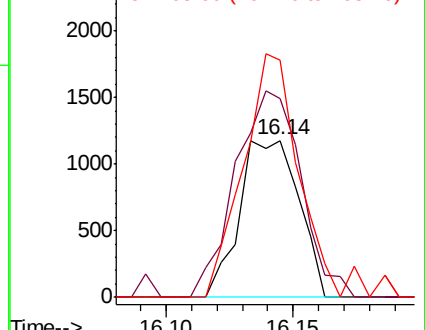
105 151.7 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.560 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.46 min

Lab File: BG041717.D

Acq: 18 Jul 2019 19:43

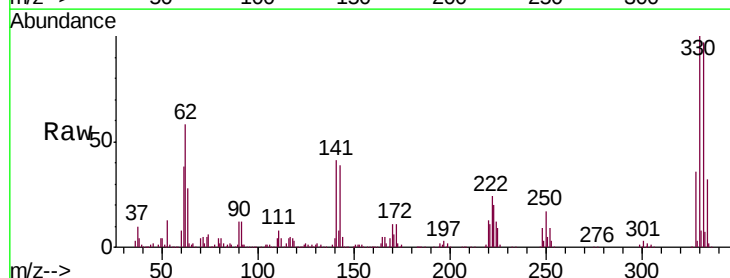
Tgt Ion:248 Resp: 40097

Ion Ratio Lower Upper

248 100

250 192.3 78.1 117.1#

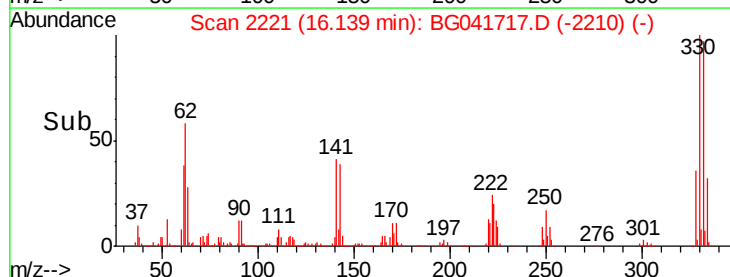
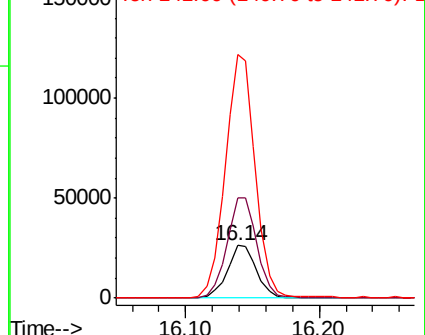
141 464.4 49.6 74.4#

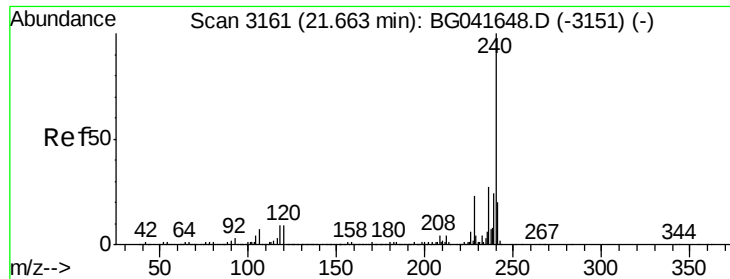


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

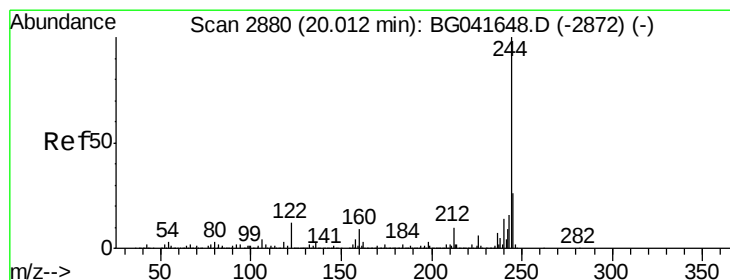
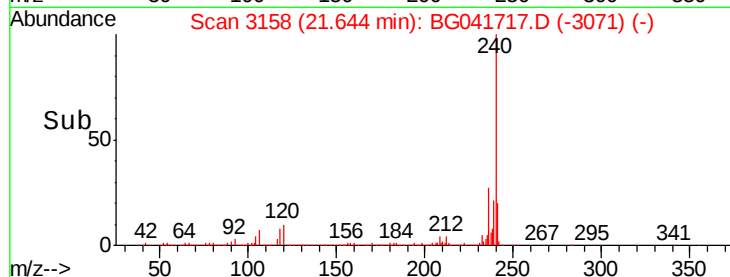
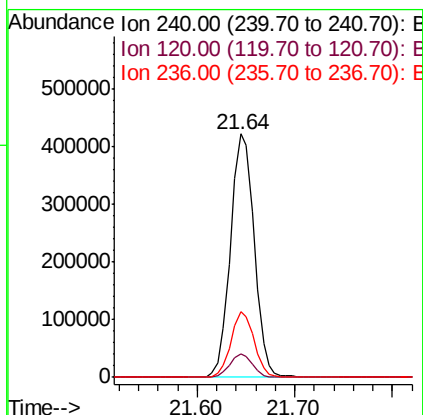
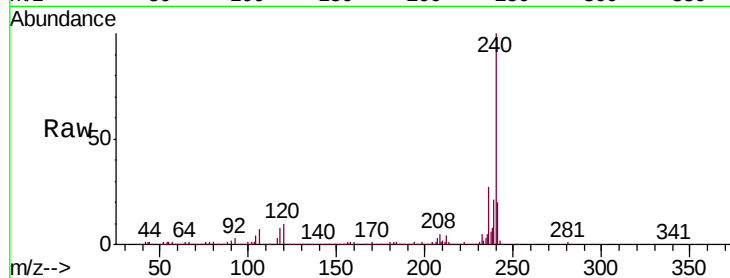




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.02 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

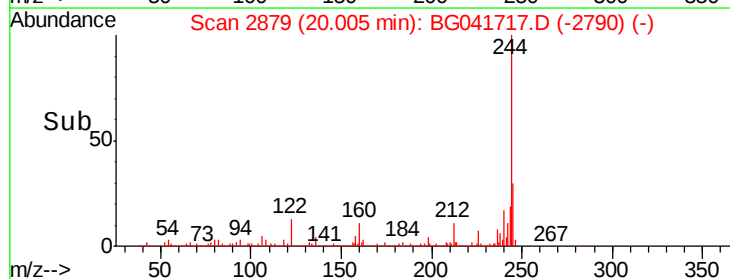
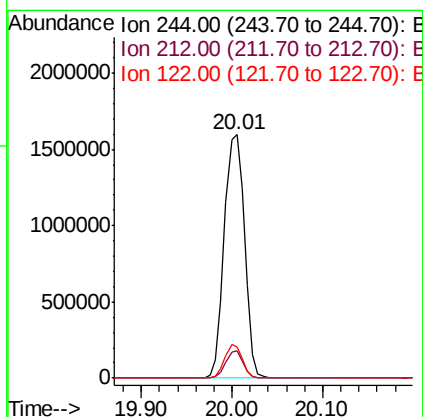
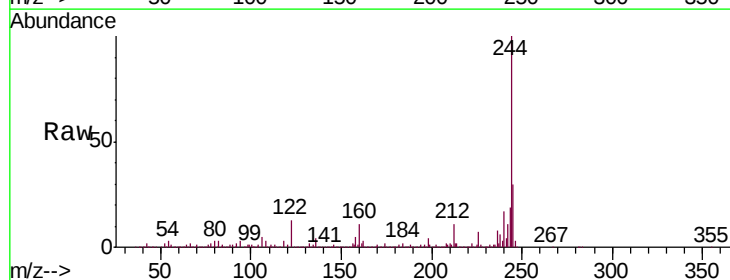
Instrument :
BNA_G
ClientSampled :
TW-7

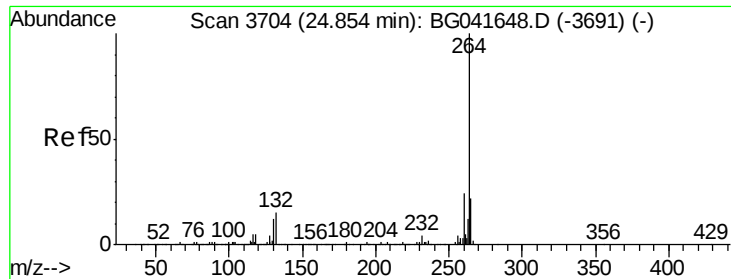
Tgt Ion:240 Resp: 714837
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 27.1 22.6 33.8



#79
Terphenyl-d14
Concen: 81.207 ng
RT: 20.01 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

Tgt Ion:244 Resp: 2484067
Ion Ratio Lower Upper
244 100
212 11.4 9.7 14.5
122 12.6 12.5 18.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. -0.03 min
Lab File: BG041717.D
Acq: 18 Jul 2019 19:43

Instrument :
BNA_G
ClientSampleId :
TW-7

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.0	18.0	27.0

