

Data File : BG041718.D
Acq On : 18 Jul 2019 20:22
Operator : HP/JU
Sample : K3834-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-5

Quant Time: Jul 19 08:26:53 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	123110	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	496113	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	317130	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	745982	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	712057	20.00	ng	-0.01
87) Perylene-d12	24.85	264	813361	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	352294	46.78	ng	0.00
7) Phenol-d6	7.20	99	313024	30.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	615721	75.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	413727	115.76	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1495986	73.05	ng	0.00
79) Terphenyl-d14	20.00	244	2150585	70.58	ng	0.00

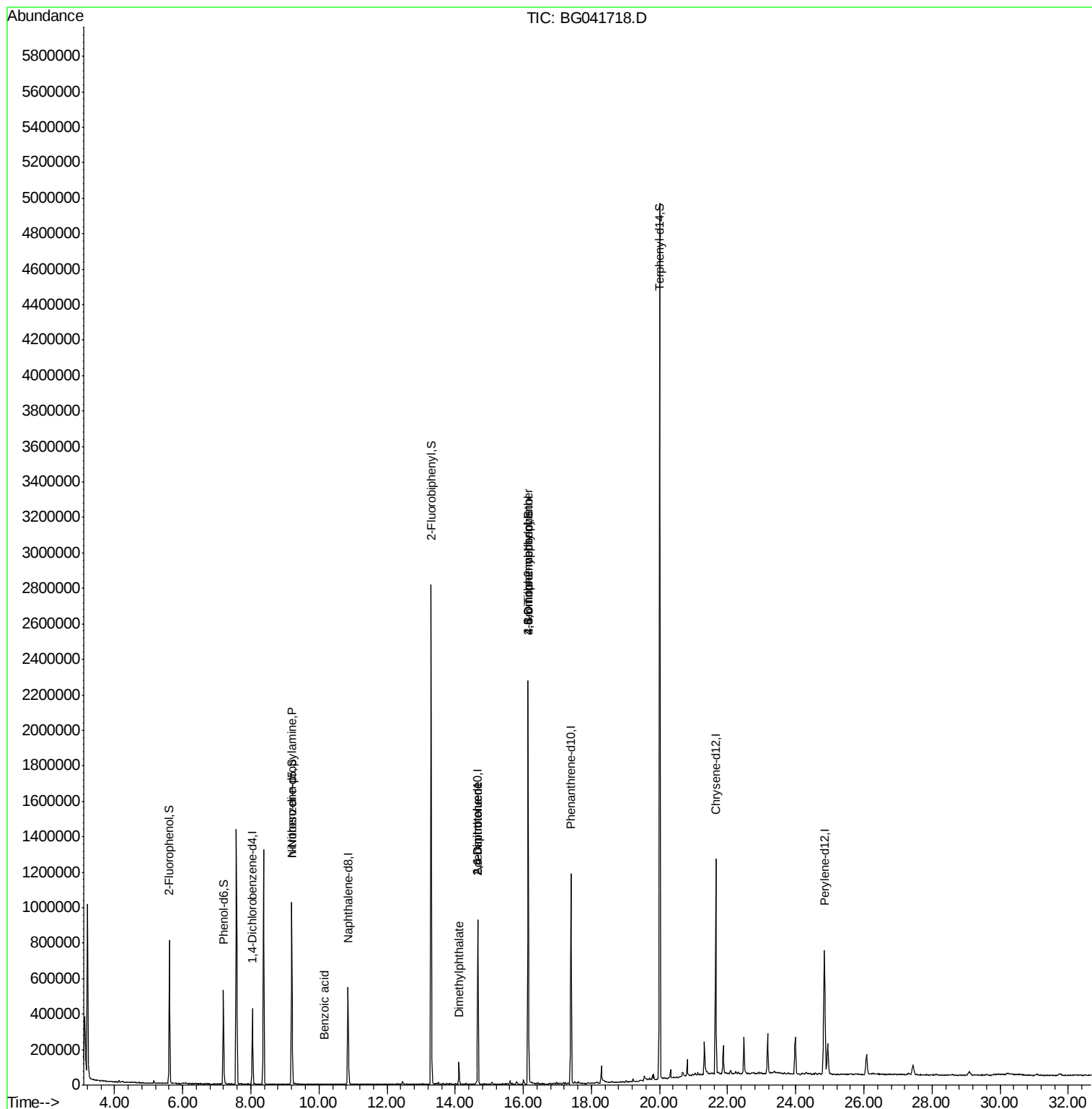
Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	550	Below Cal	#	64
19) n-Nitroso-di-n-propylamine	9.20	70	82697	11.170 ng	#	73
32) Benzoic acid	10.15	122	60	6.022 ng	#	1
50) Dimethylphthalate	14.11	163	86901	3.489 ng		97
51) 2,6-Dinitrotoluene	14.66	165	41701	7.893 ng	#	27
57) 2,4-Dinitrotoluene	14.66	165	41701	5.971 ng	#	29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1345	7.001 ng	#	1
67) 4-Bromophenyl-phenylether	16.14	248	32490	3.660 ng	#	1
77) Benzidine	20.00	184	39165	Below Cal	#	91

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

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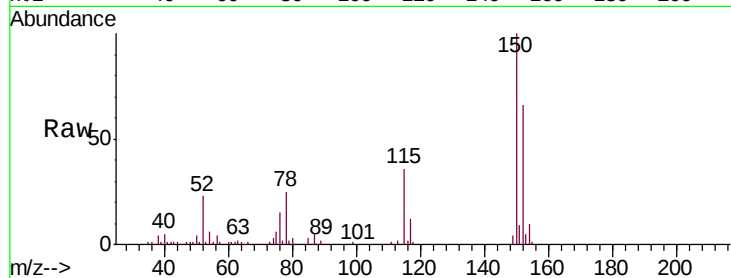


#1

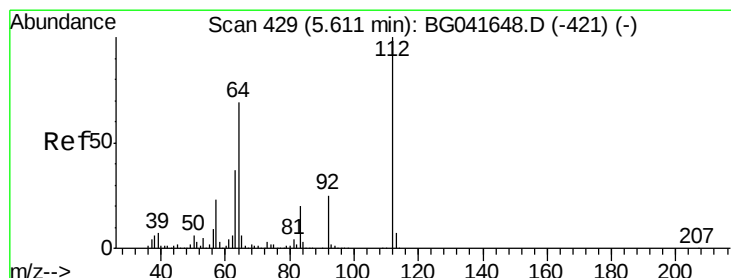
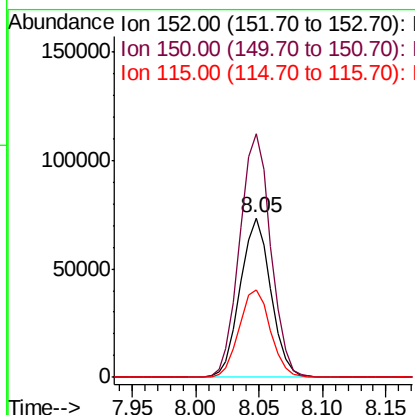
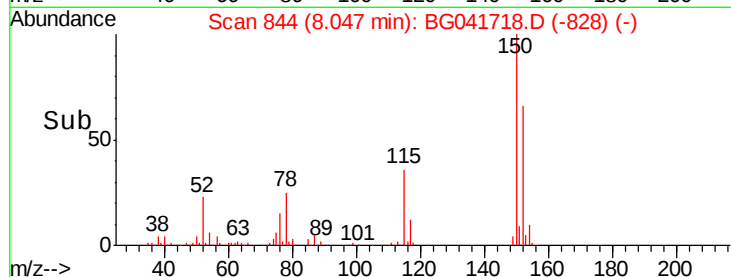
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Instrument :
BNA_G
ClientSampled :
TW-5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.9	190.3
115	55.1	45.0	67.6



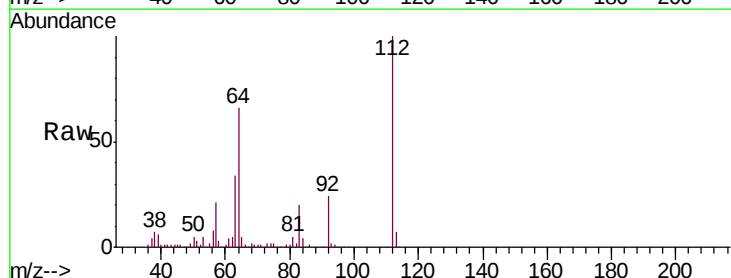
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



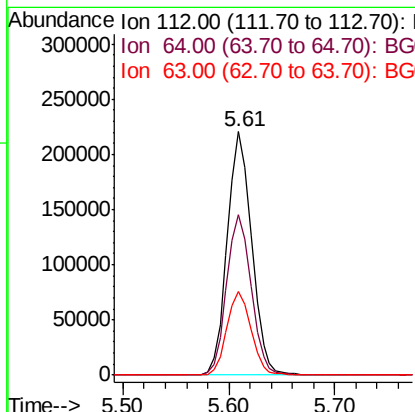
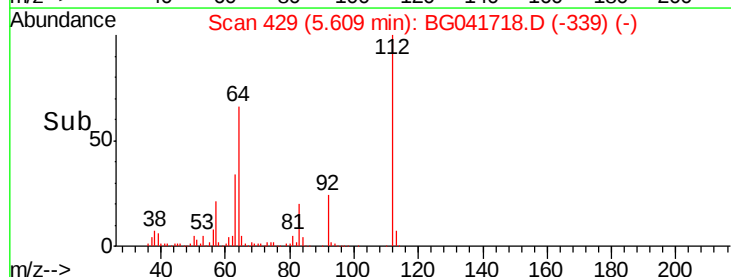
#5

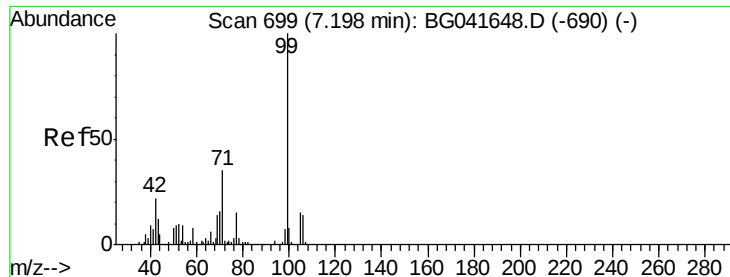
2-Fluorophenol
Concen: 46.780 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	55.4	83.2
63	34.4	29.1	43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.903 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

Instrument :

BNA_G

ClientSampled :

TW-5

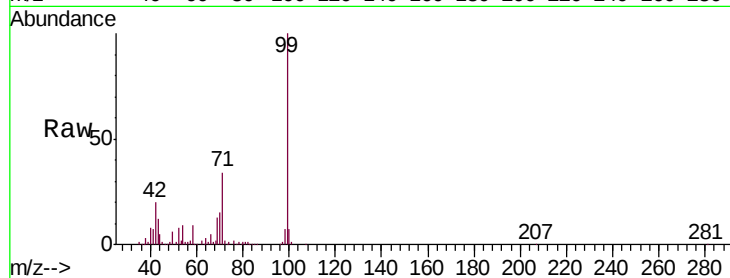
Tgt Ion: 99 Resp: 313024

Ion Ratio Lower Upper

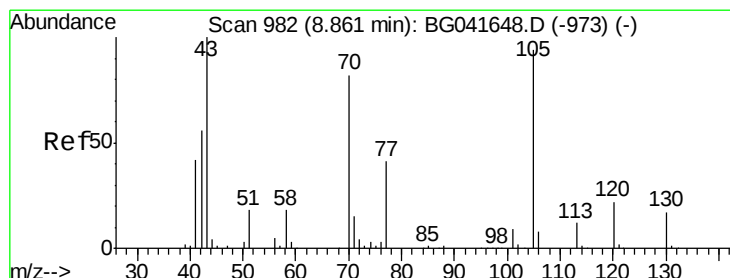
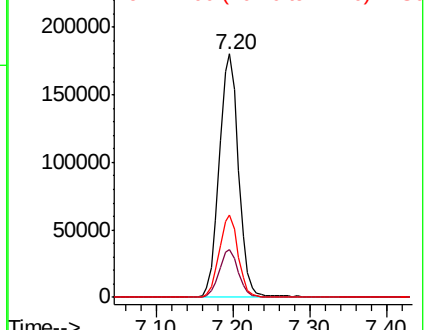
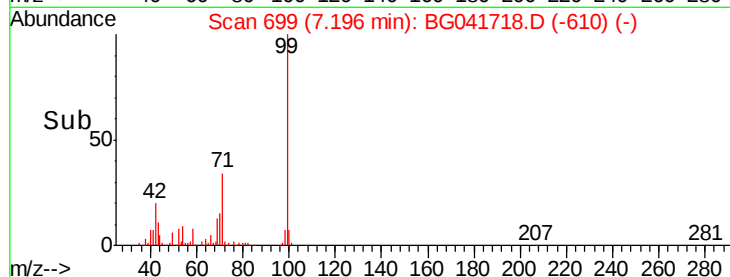
99 100

42 19.9 17.6 26.4

71 33.7 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: 11.170 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

Tgt Ion: 70 Resp: 82697

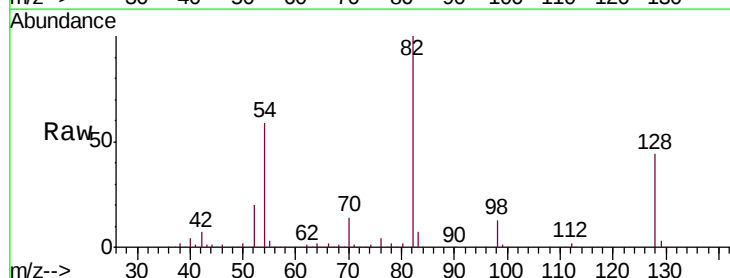
Ion Ratio Lower Upper

70 100

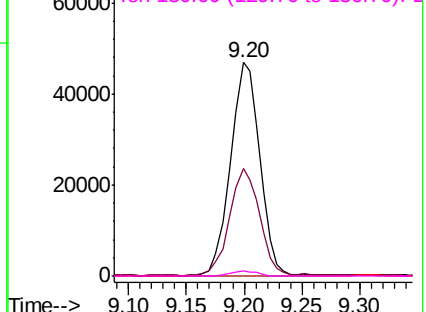
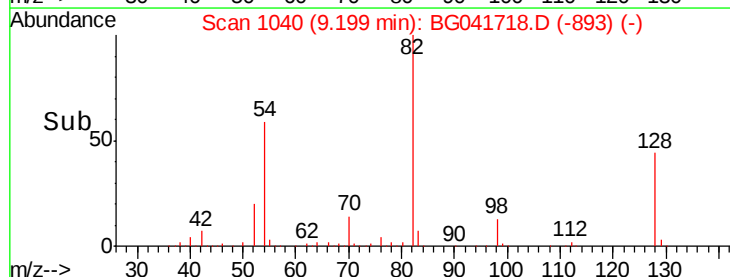
42 50.6 55.8 83.6#

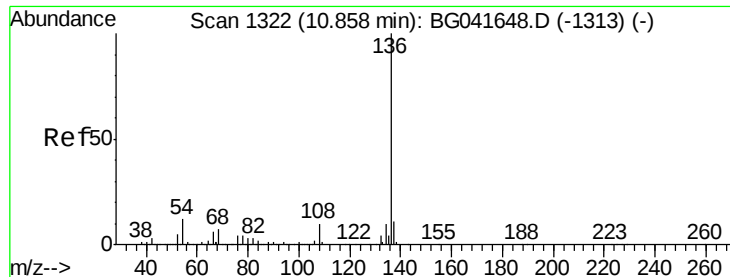
101 0.0 8.1 12.1#

130 2.2 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

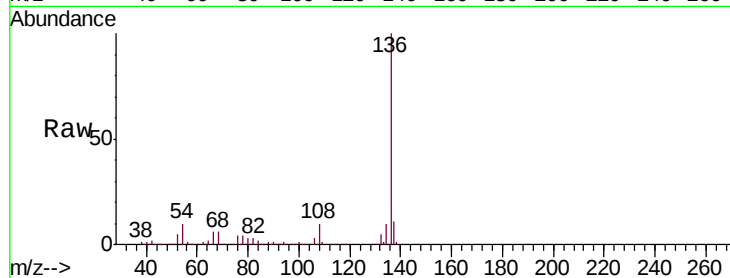




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Instrument :
BNA_G
ClientSampleId :
TW-5

Tgt Ion:	136	Resp:	496113
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.2	8.7	13.1
68	6.3	5.5	8.3



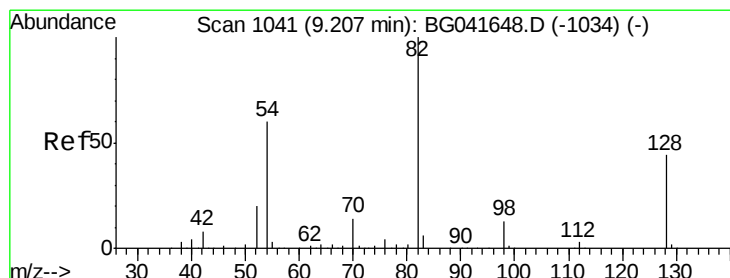
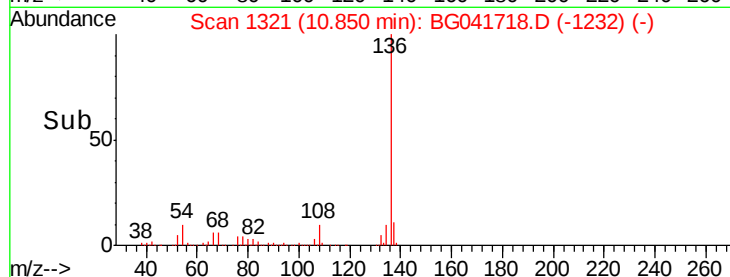
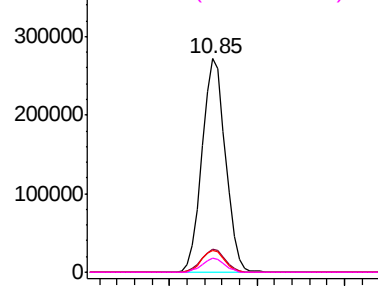
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

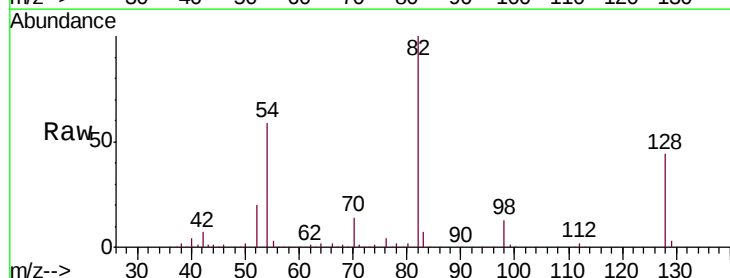
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 75.477 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Tgt Ion:	82	Resp:	615721
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.1	52.7
54	58.7	48.7	73.1

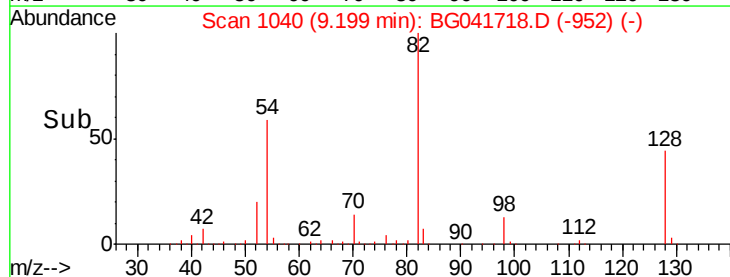
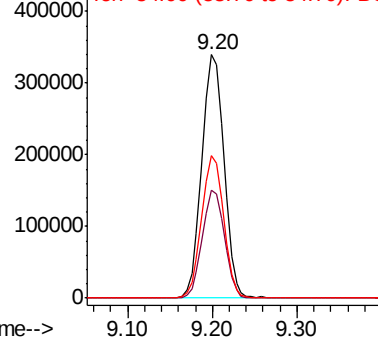


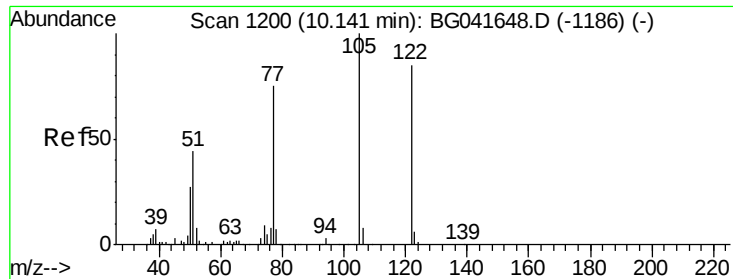
Abundance

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

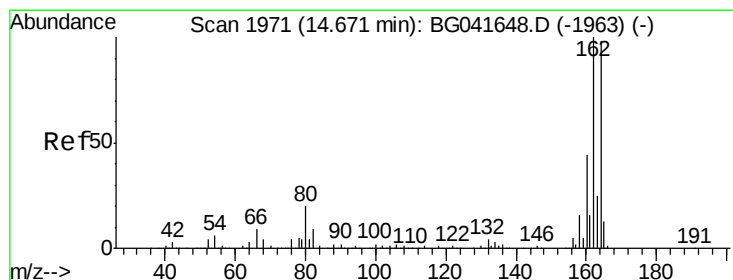
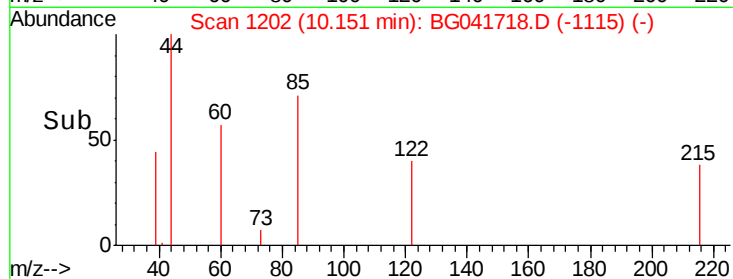
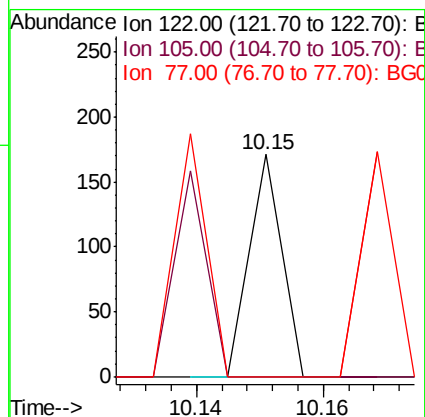
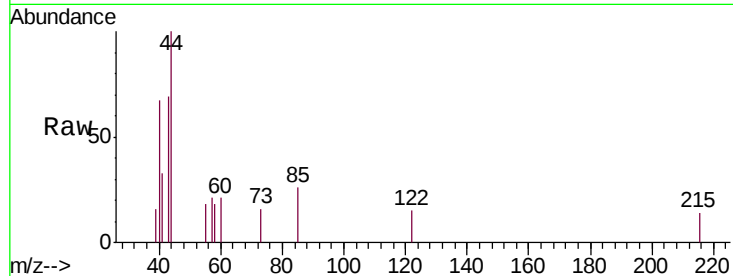




#32
Benzoic acid
Concen: 6.022 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

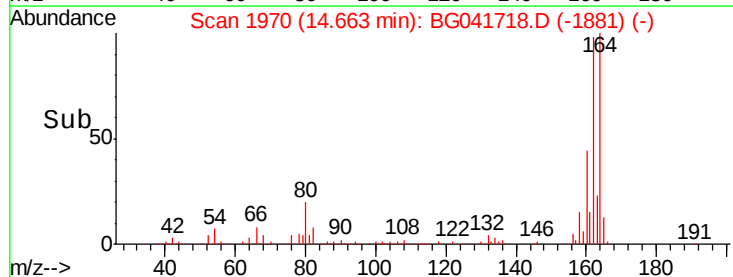
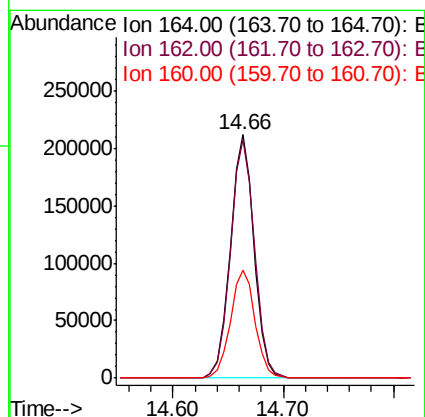
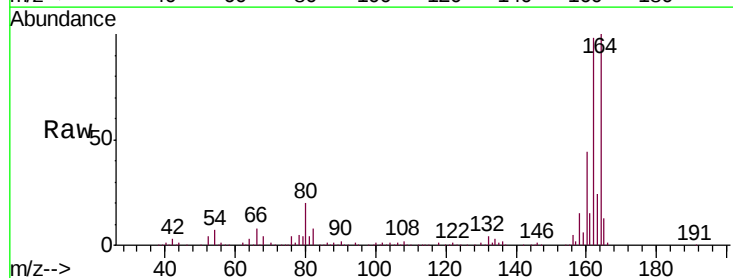
Instrument :
BNA_G
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TW-5

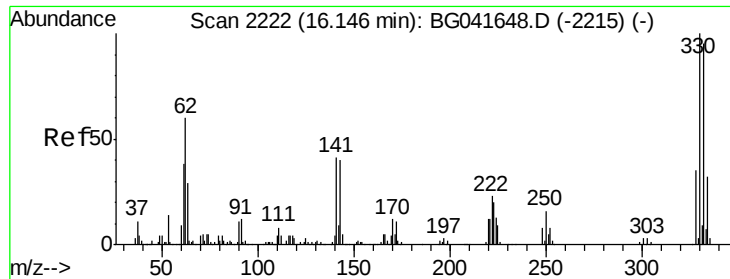
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.6	119.4
160	44.3	35.4	53.0

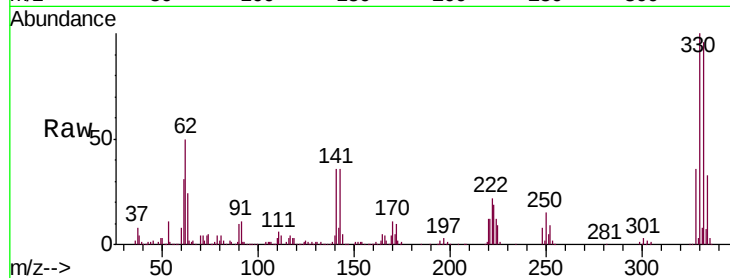




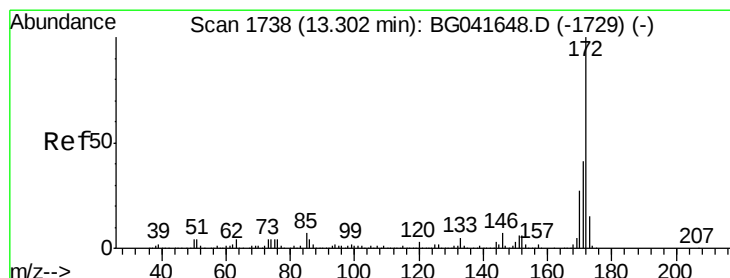
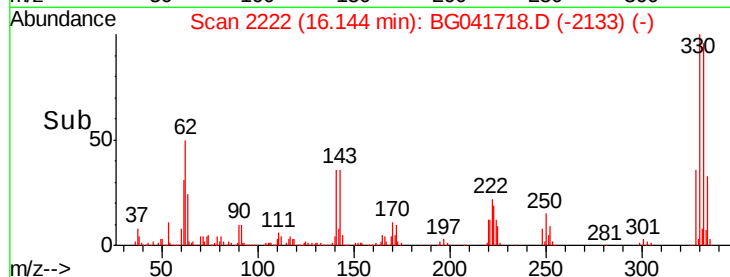
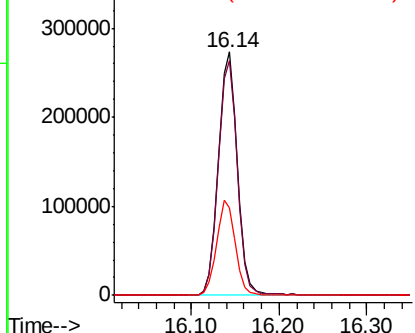
#42
 2,4,6-Tribromophenol
 Concen: 115.760 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041718.D
 Acq: 18 Jul 2019 20:22

Instrument :
 BNA_G
 ClientSampled :
 TW-5

Tgt Ion:330 Resp: 413727
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 38.5 31.9 47.9

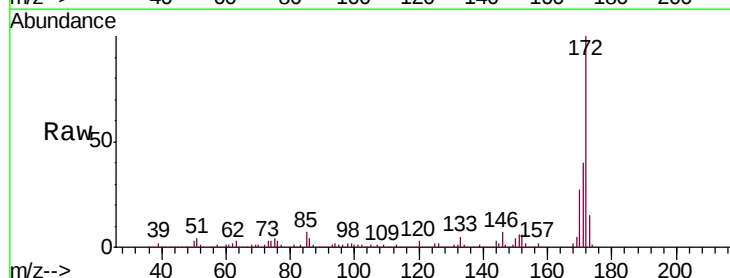


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

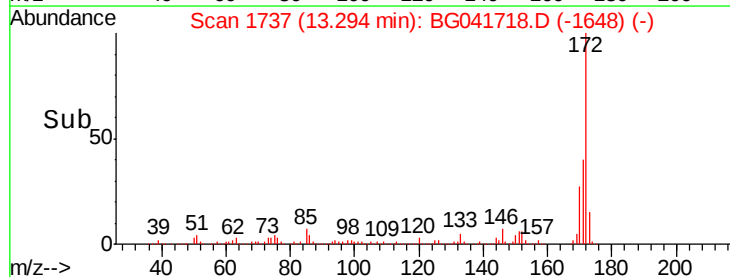
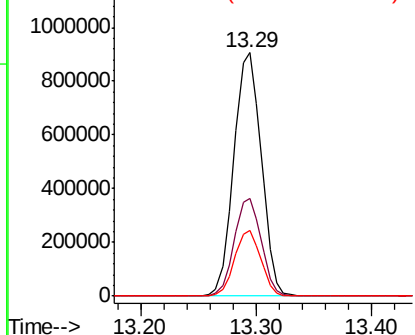


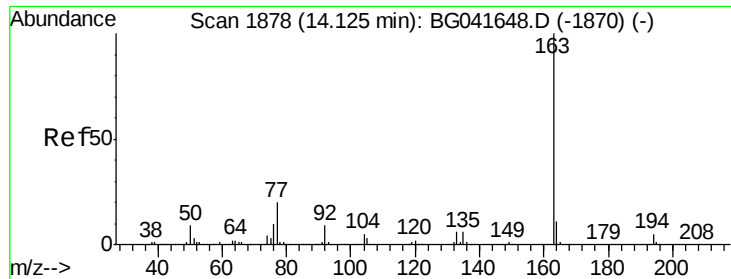
#45
 2-Fluorobiphenyl
 Concen: 73.047 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041718.D
 Acq: 18 Jul 2019 20:22

Tgt Ion:172 Resp: 1495986
 Ion Ratio Lower Upper
 172 100
 171 40.3 35.0 52.4
 170 26.9 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: 3.489 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

Instrument :

BNA_G

ClientSampleId :

TW-5

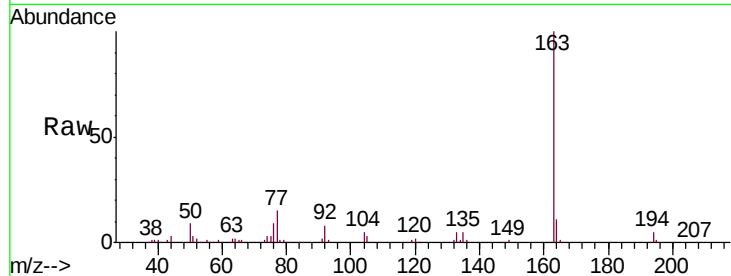
Tgt Ion:163 Resp: 86901

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

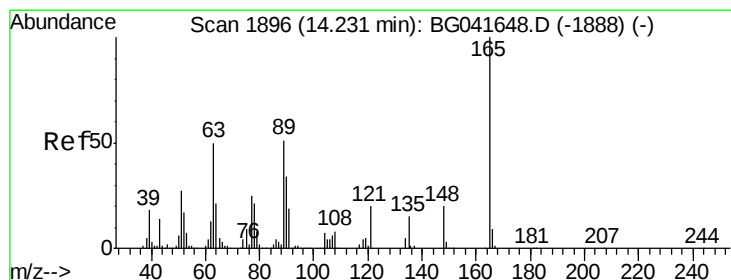
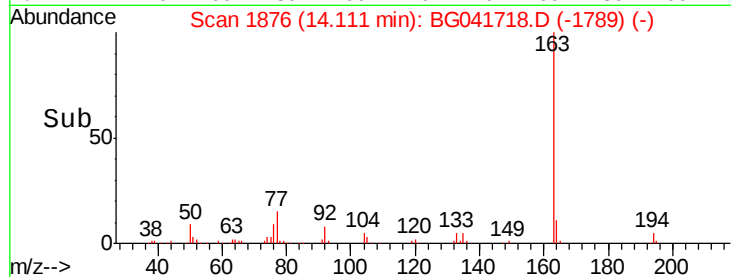
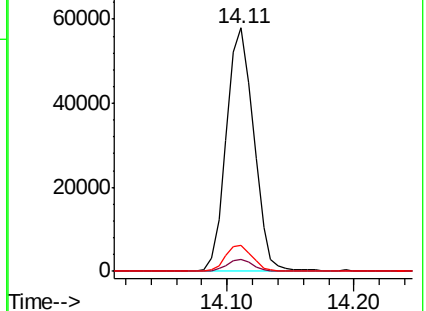
164 10.6 9.4 14.2



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



#51

2,6-Dinitrotoluene

Concen: 7.893 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

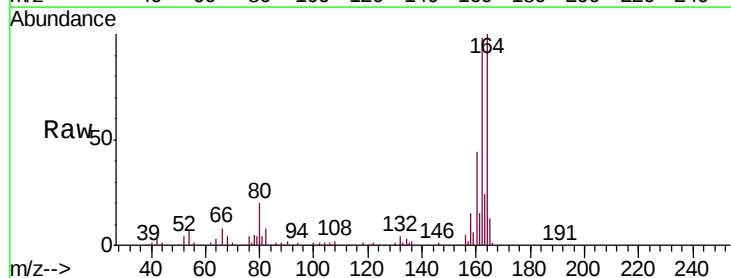
Tgt Ion:165 Resp: 41701

Ion Ratio Lower Upper

165 100

63 1.1 42.4 63.6#

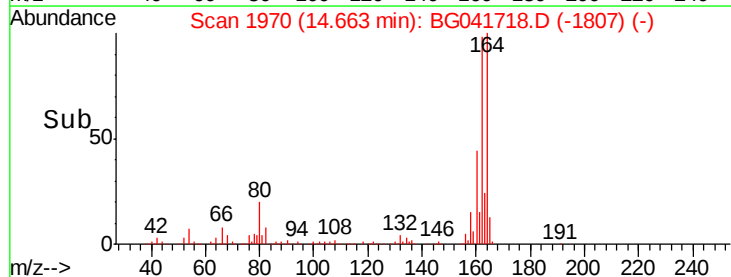
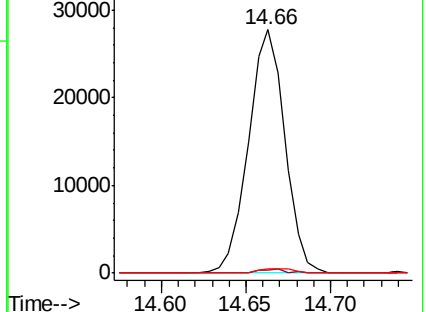
89 1.6 42.1 63.1#

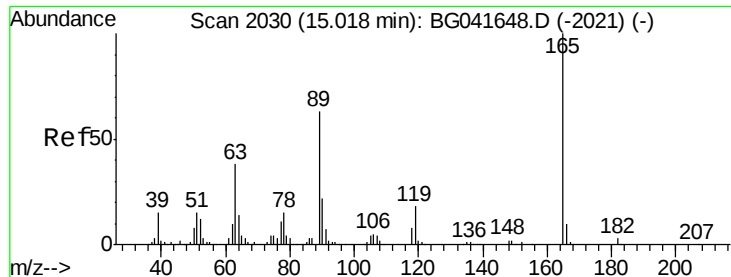


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

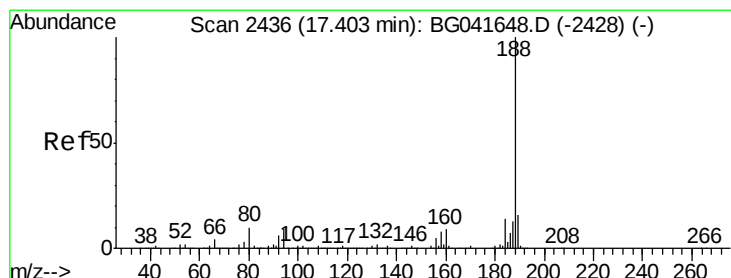
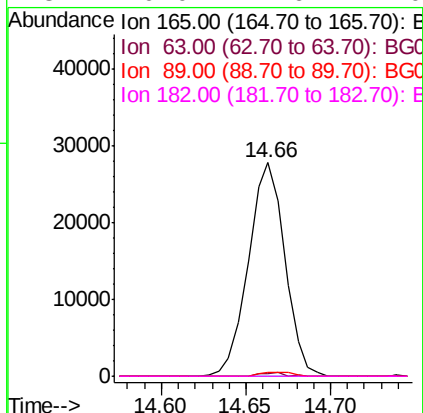
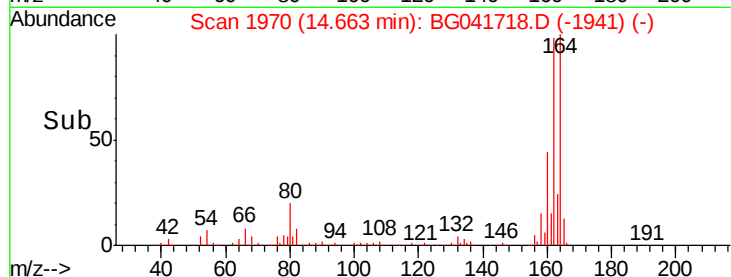
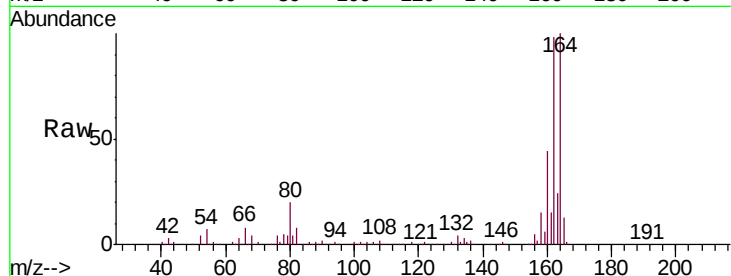




#57
2,4-Dinitrotoluene
Concen: 5.971 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

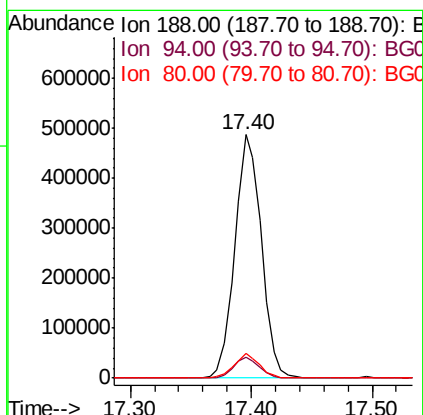
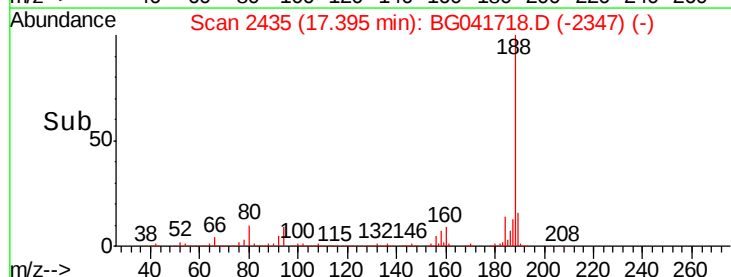
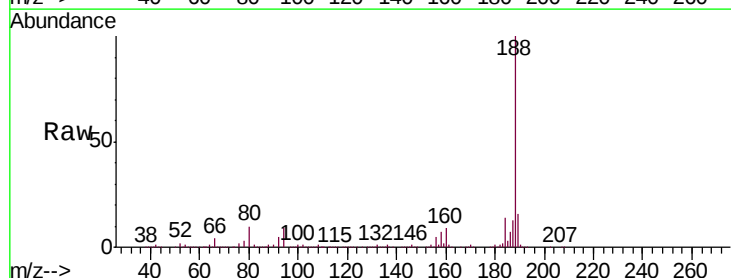
Instrument :
BNA_G
ClientSampleId :
TW-5

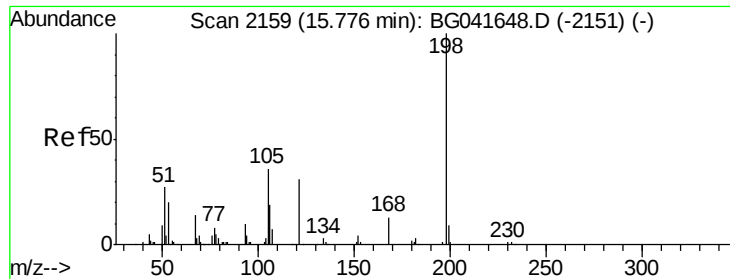
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.7	47.5#
89	1.6	50.2	75.4#
182	0.0	2.6	4.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.9	8.0	12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.001 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

Instrument :

BNA_G

ClientSampleId :

TW-5

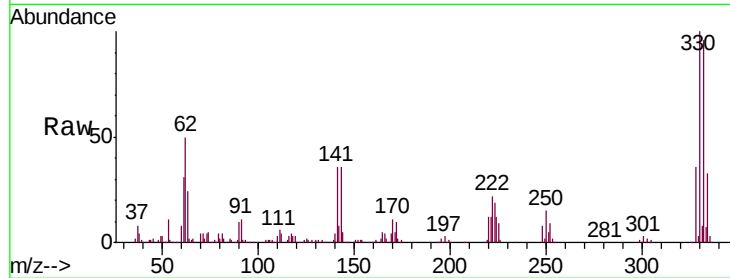
Tgt Ion:198 Resp: 1345

Ion Ratio Lower Upper

198 100

51 137.6 22.3 62.3#

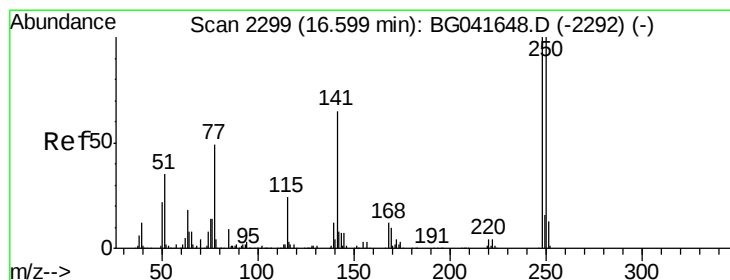
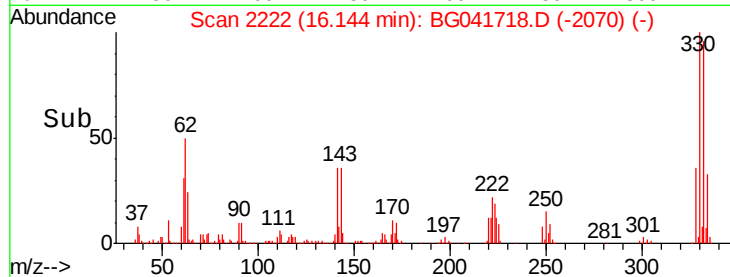
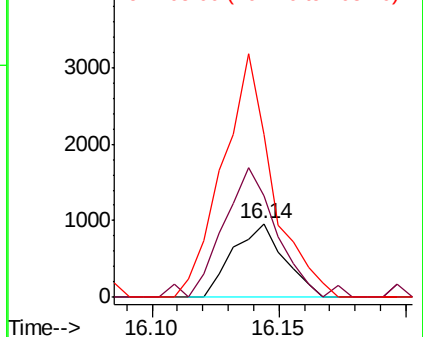
105 221.5 18.0 58.0#



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: 3.660 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

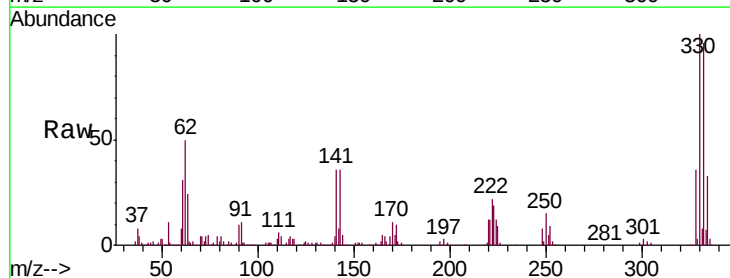
Tgt Ion:248 Resp: 32490

Ion Ratio Lower Upper

248 100

250 193.7 78.1 117.1#

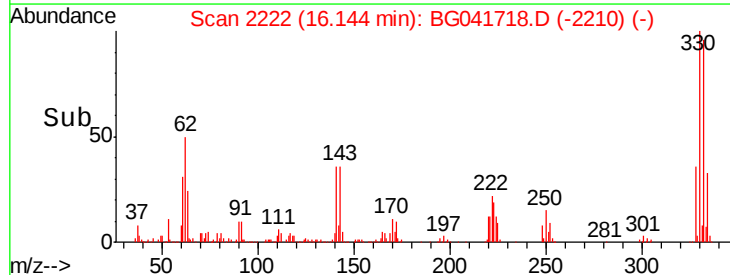
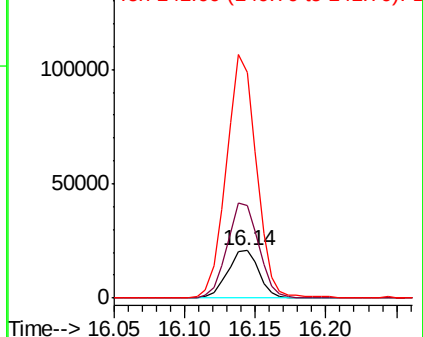
141 474.4 49.6 74.4#

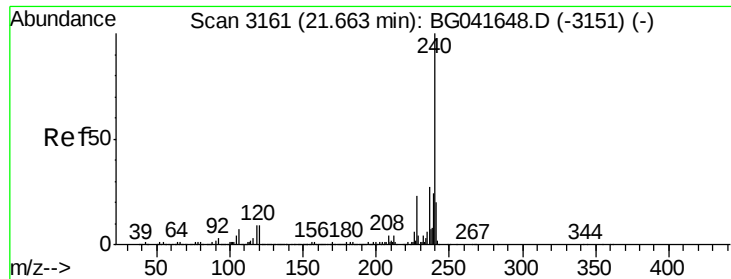


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041718.D

Acq: 18 Jul 2019 20:22

Instrument :

BNA_G

ClientSampled :

TW-5

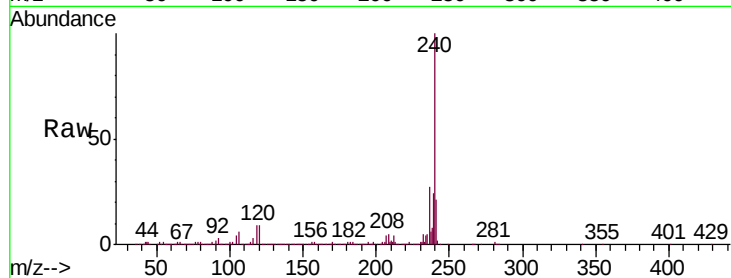
Tgt Ion:240 Resp: 712057

Ion Ratio Lower Upper

240 100

120 9.2 8.0 12.0

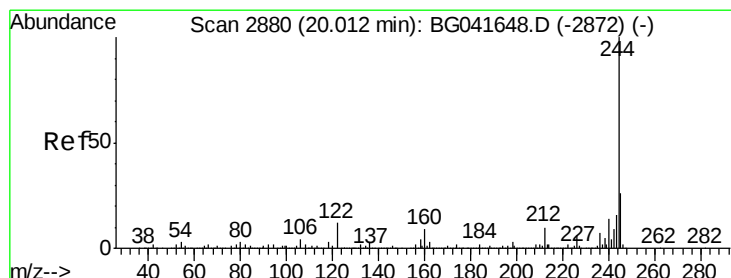
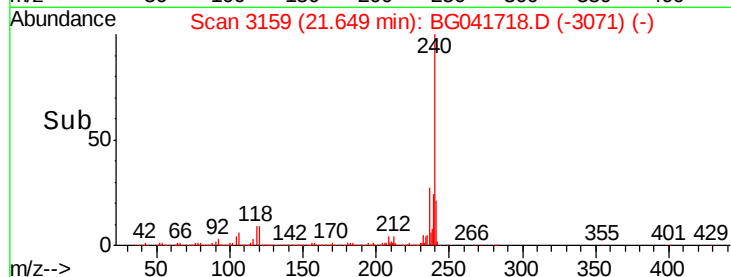
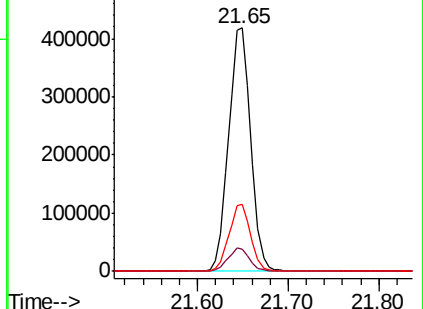
236 27.4 22.6 33.8



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: 70.579 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041718.D

Acq: 18 Jul 2019 20:22

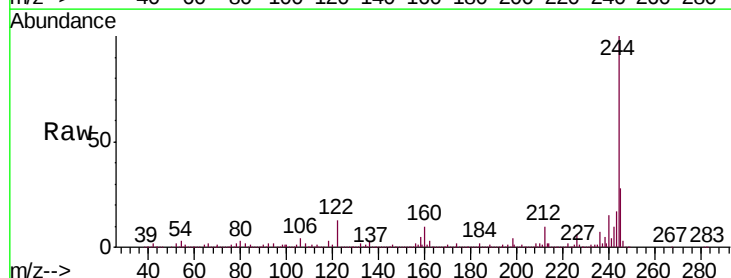
Tgt Ion:244 Resp: 2150585

Ion Ratio Lower Upper

244 100

212 10.5 9.7 14.5

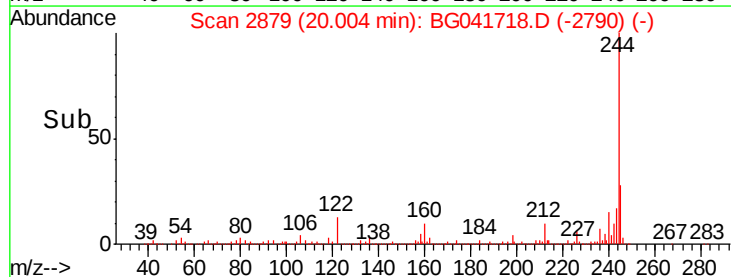
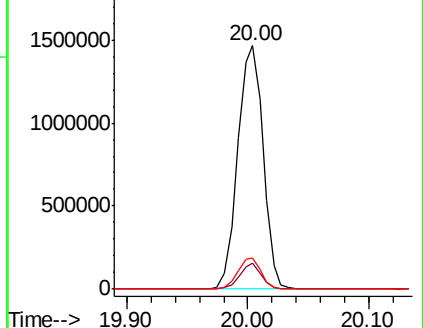
122 12.5 12.5 18.7

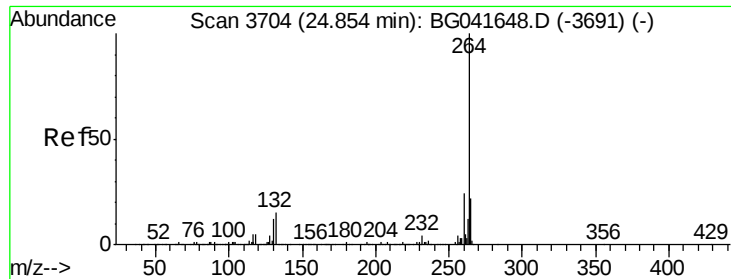


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041718.D
Acq: 18 Jul 2019 20:22

Instrument :
BNA_G
ClientSampleId :
TW-5

Tgt Ion: 264 Resp: 813361
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.8 18.0 27.0

