

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041848.D
 Acq On : 1 Aug 2019 00:36
 Operator : HP/JU
 Sample : K4044-06RX
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Aug 01 01:51:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

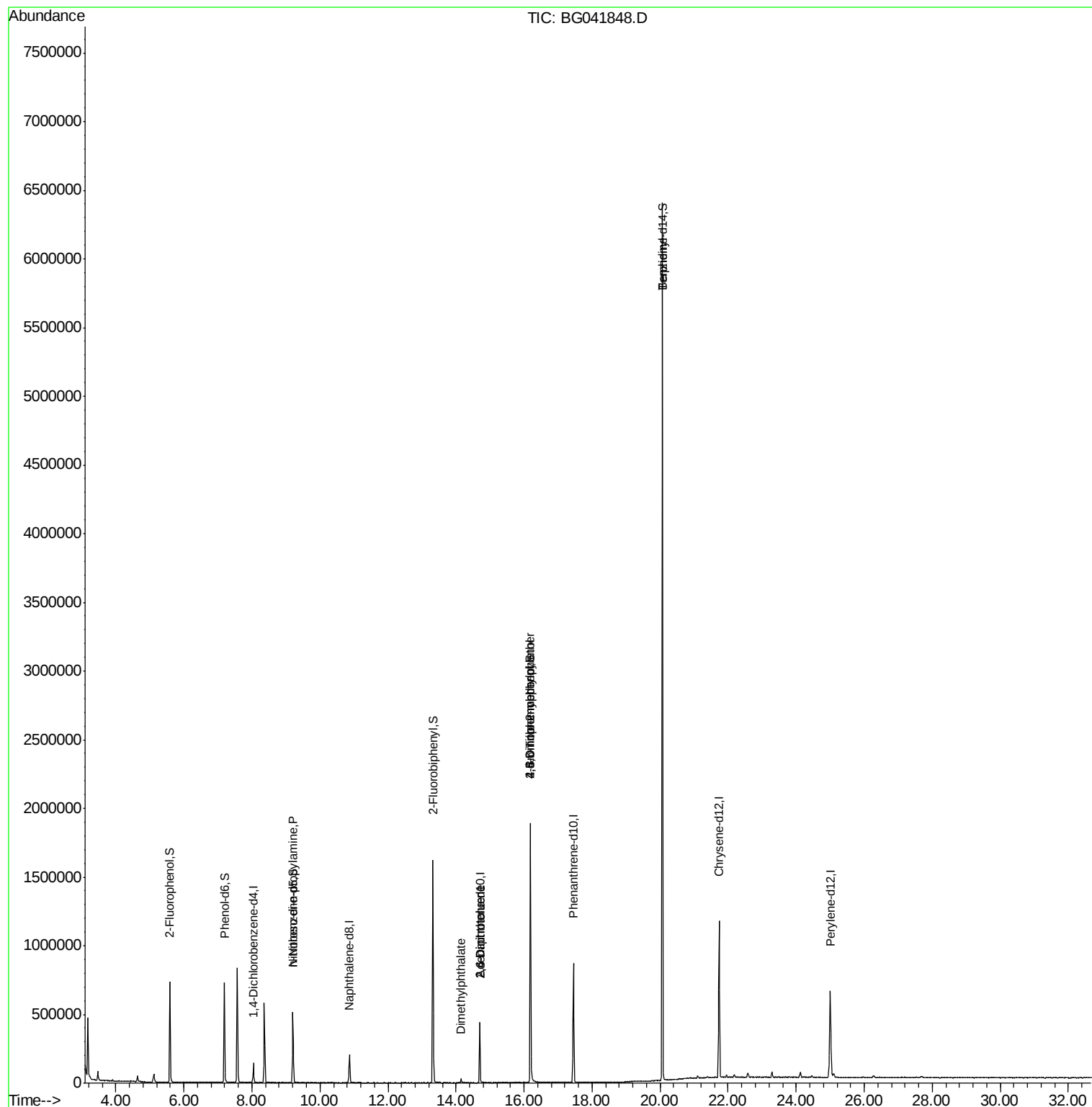
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46016	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	195038	20.00	ng	-0.01
39) Acenaphthene-d10	14.70	164	166544	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	571053	20.00	ng	0.00
76) Chrysene-d12	21.73	240	693308	20.00	ng	0.00
87) Perylene-d12	25.00	264	738198	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	350937	148.38	ng	0.00
7) Phenol-d6	7.19	99	463864	145.48	ng	0.00
23) Nitrobenzene-d5	9.21	82	321818	113.55	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	402059	212.54	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	920223	97.45	ng	-0.01
79) Terphenyl-d14	20.06	244	2839684	93.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	42191	18.226	ng	# 65
50) Dimethylphthalate	14.15	163	25157	2.212	ng	# 94
51) 2,6-Dinitrotoluene	14.70	165	21802	9.167	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	21802	6.666	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.18	198	1120	7.196	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	30303	4.308	ng	# 1
77) Benzidine	20.06	184	54981	2.430	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

Instrument :

BNA_G

ClientSampled :

TP-5

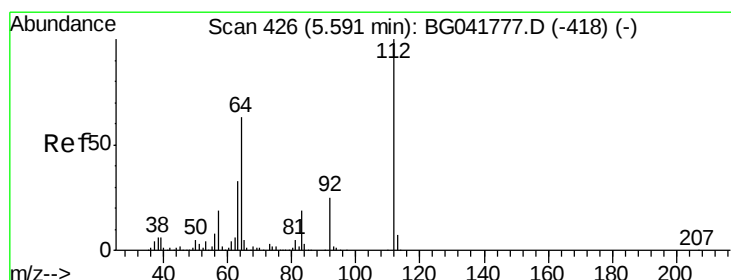
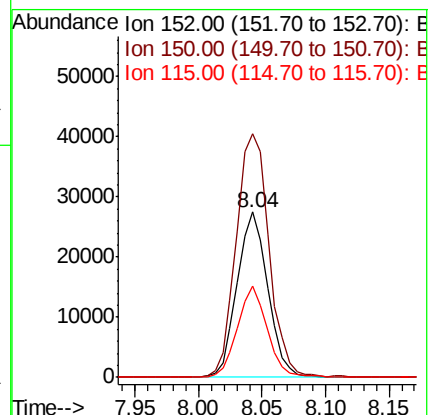
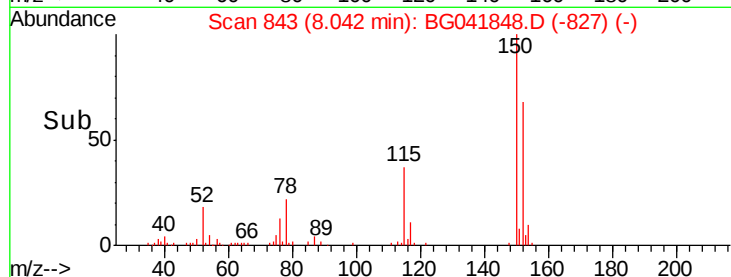
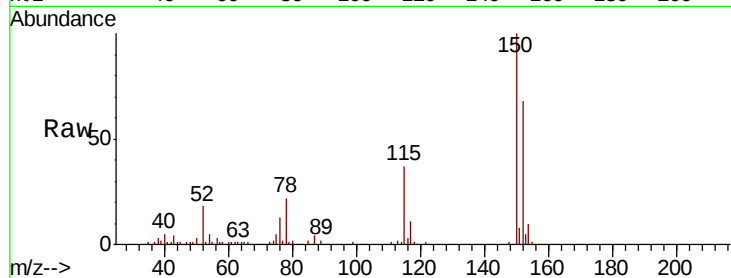
Tgt Ion:152 Resp: 46016

Ion Ratio Lower Upper

152 100

150 147.4 126.9 190.3

115 55.3 45.0 67.6



#5

2-Fluorophenol

Concen: 148.381 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

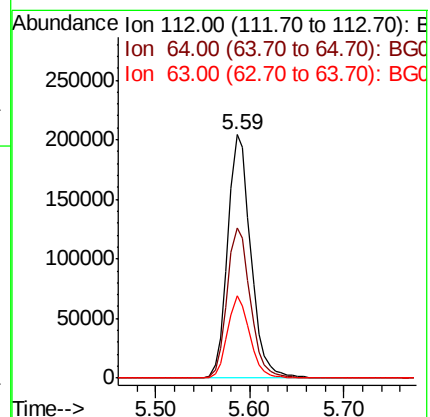
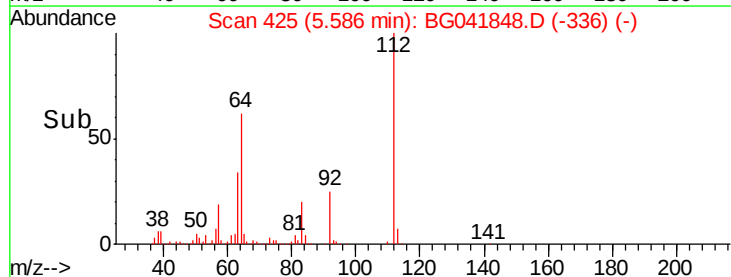
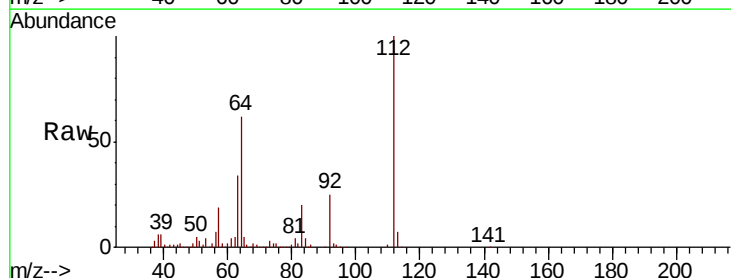
Tgt Ion:112 Resp: 350937

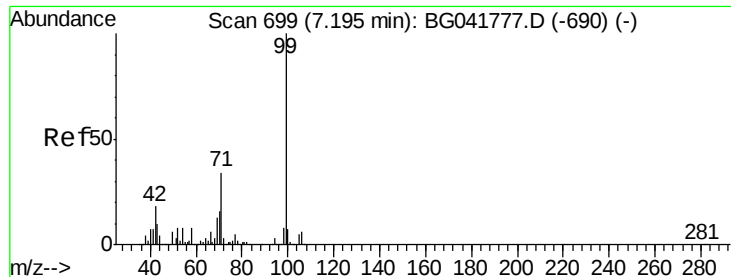
Ion Ratio Lower Upper

112 100

64 61.7 55.4 83.2

63 33.7 29.1 43.7





#7

Phenol-d6

Concen: 145.478 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

Instrument :

BNA_G

ClientSampleId :

TP-5

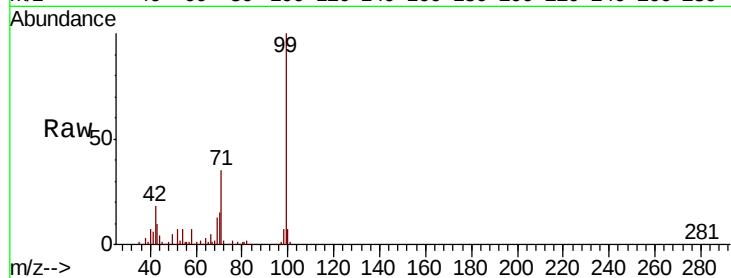
Tgt Ion: 99 Resp: 463864

Ion Ratio Lower Upper

99 100

42 17.7 17.6 26.4

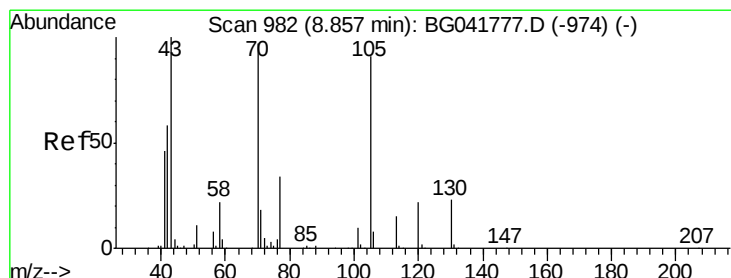
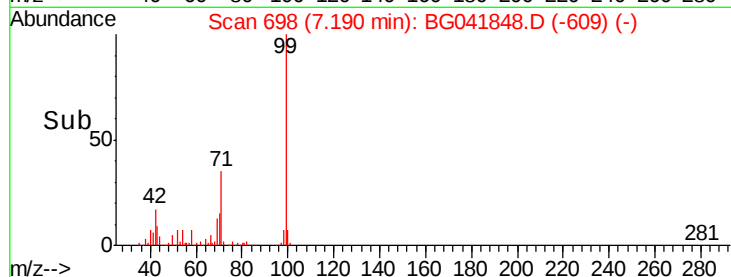
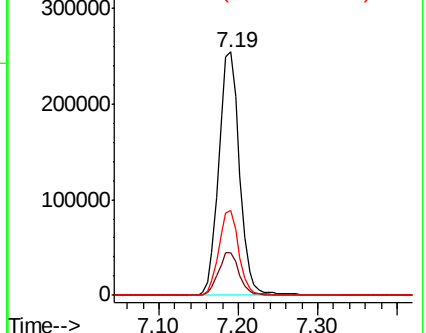
71 35.1 27.8 41.6



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: 18.226 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

Tgt Ion: 70 Resp: 42191

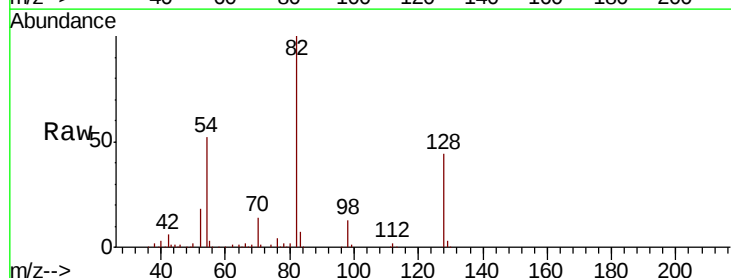
Ion Ratio Lower Upper

70 100

42 42.0 55.8 83.6#

101 0.0 8.1 12.1#

130 2.1 17.3 25.9#

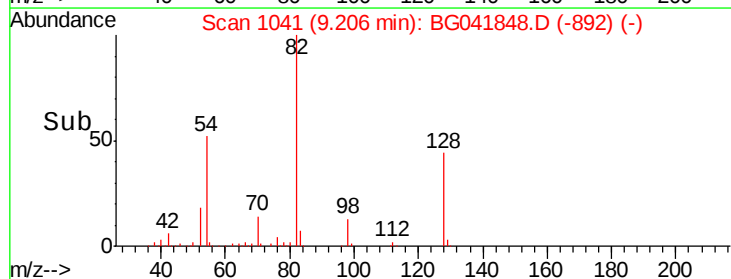
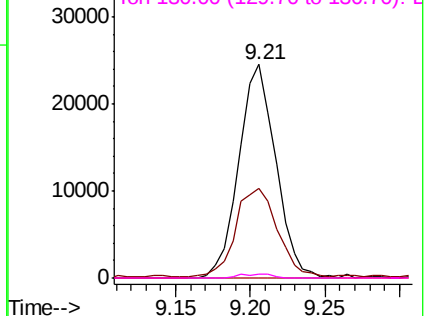


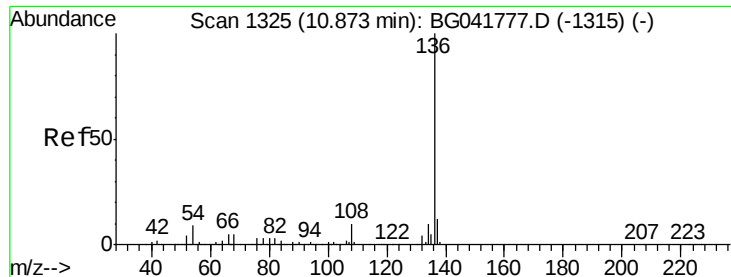
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

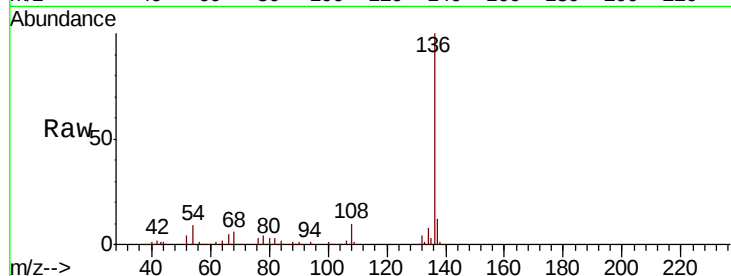




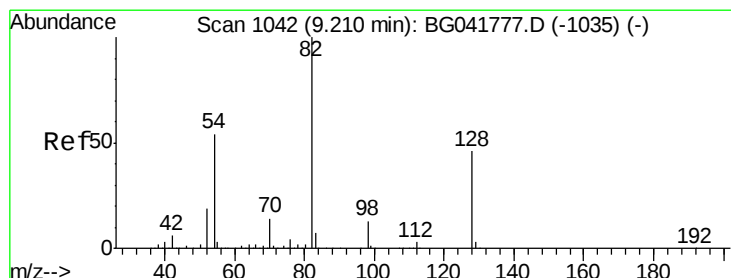
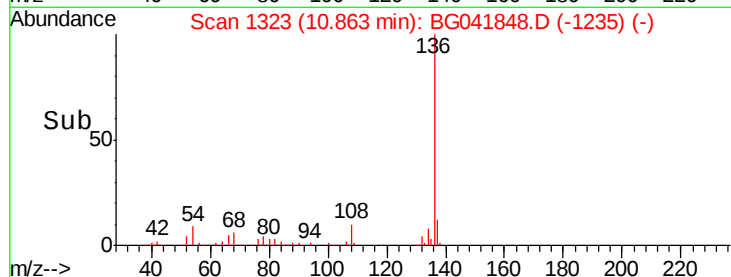
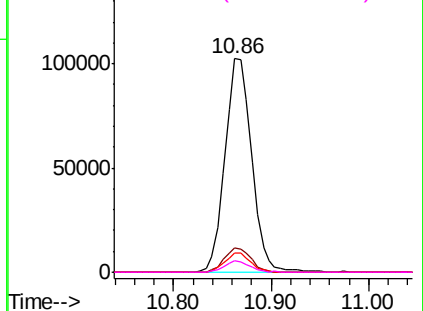
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG041848.D
Acq: 1 Aug 2019 00:36

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:	136	Resp:	195038
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	8.9	8.7	13.1
68	5.6	5.5	8.3

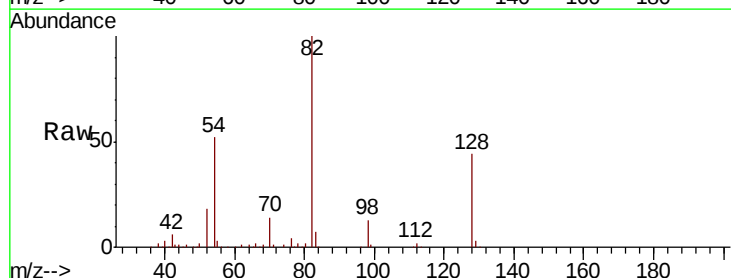


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

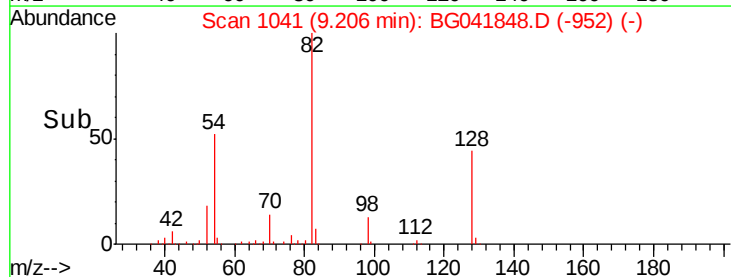
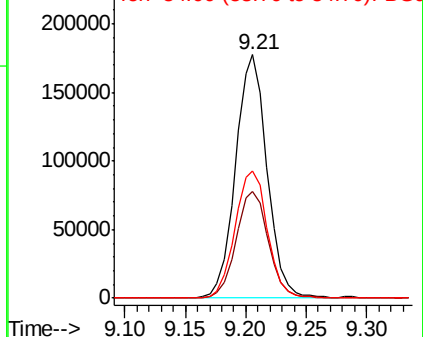


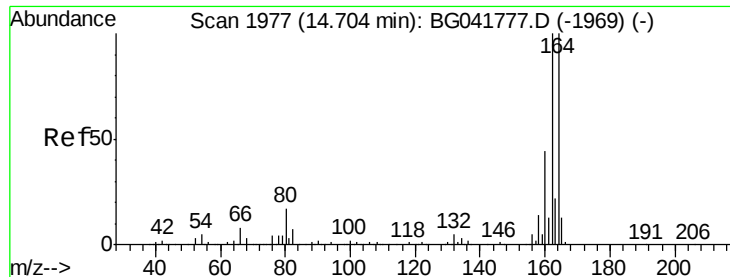
#23
Nitrobenzene-d5
Concen: 113.549 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041848.D
Acq: 1 Aug 2019 00:36

Tgt Ion:	82	Resp:	321818
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.1	52.7
54	52.4	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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

Instrument :

BNA_G

ClientSampleId :

TP-5

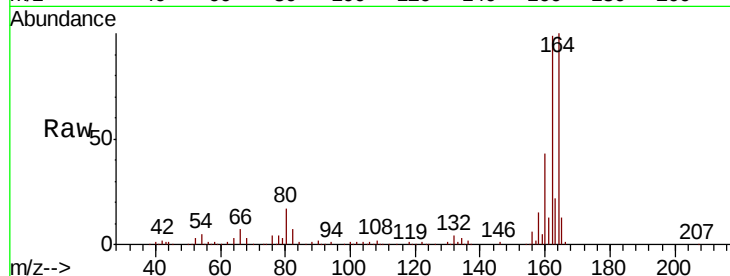
Tgt Ion:164 Resp: 166544

Ion Ratio Lower Upper

164 100

162 99.3 79.6 119.4

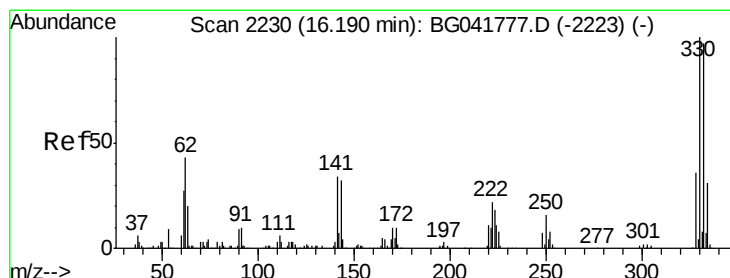
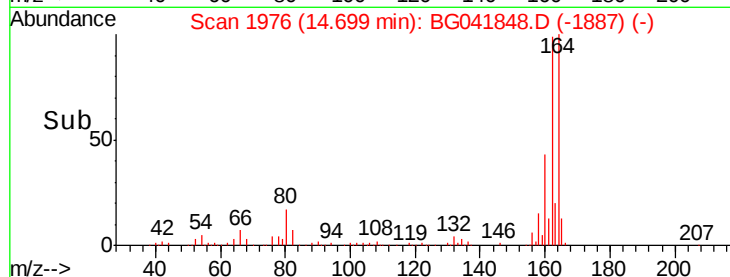
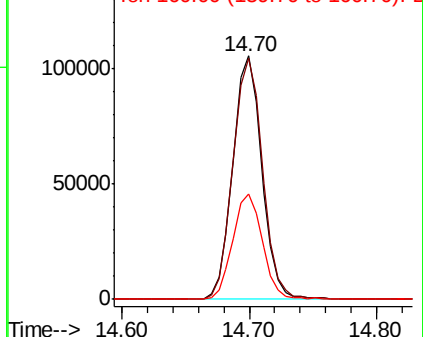
160 43.2 35.4 53.0



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: 212.537 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

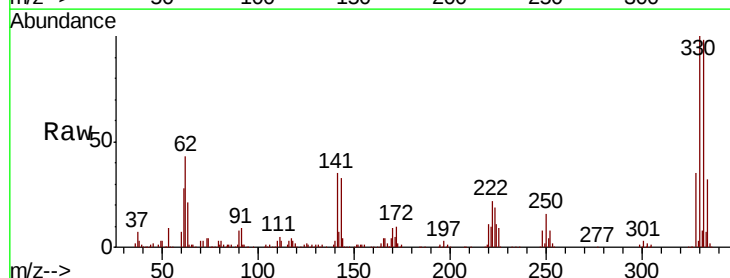
Tgt Ion:330 Resp: 402059

Ion Ratio Lower Upper

330 100

332 99.8 77.4 116.0

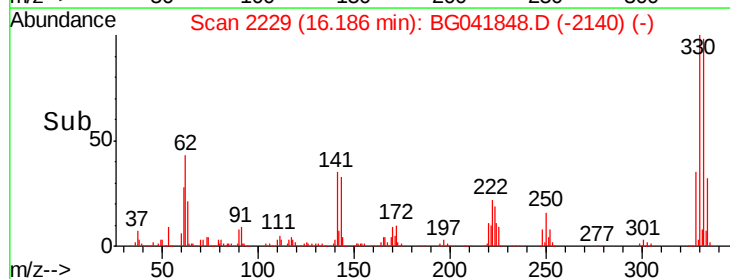
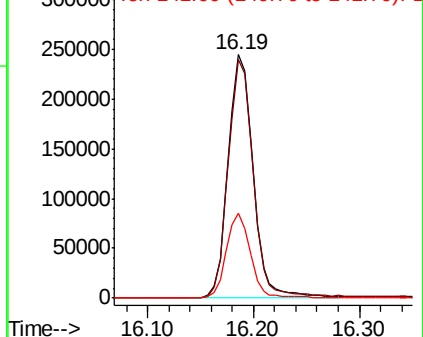
141 33.9 31.9 47.9

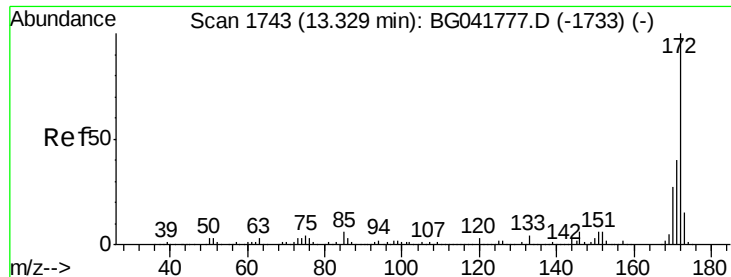


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

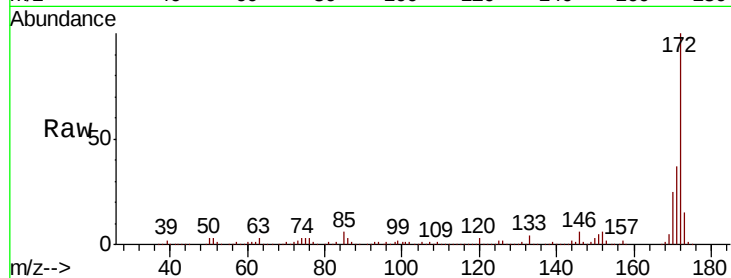




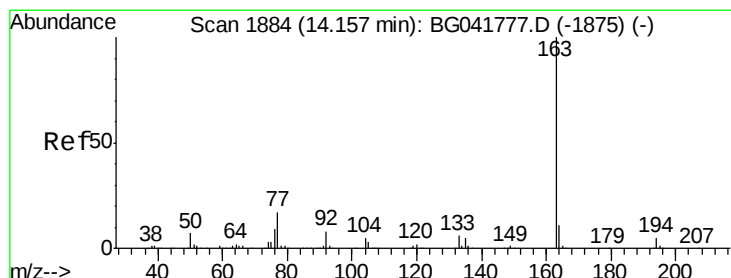
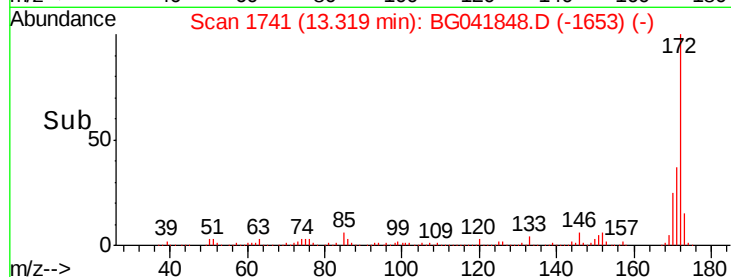
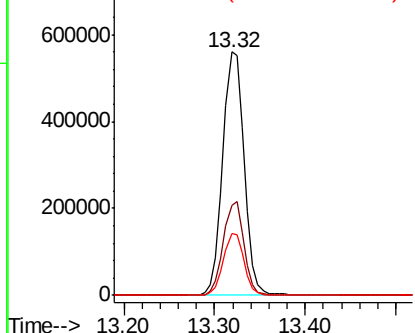
#45
 2-Fluorobiphenyl
 Concen: 97.453 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:172 Resp: 920223
 Ion Ratio Lower Upper
 172 100
 171 37.2 35.0 52.4
 170 25.2 23.5 35.3

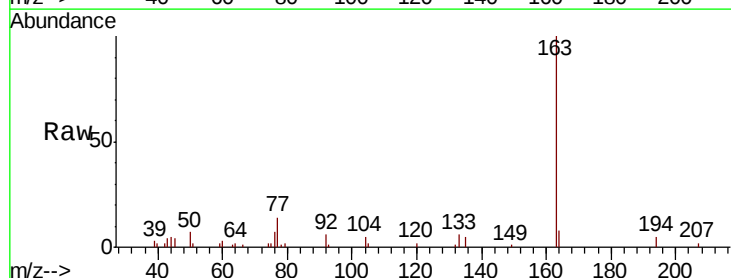


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

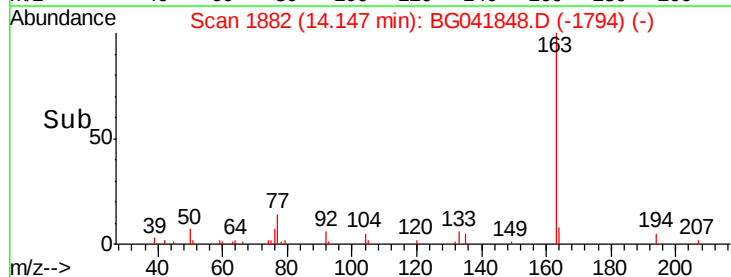
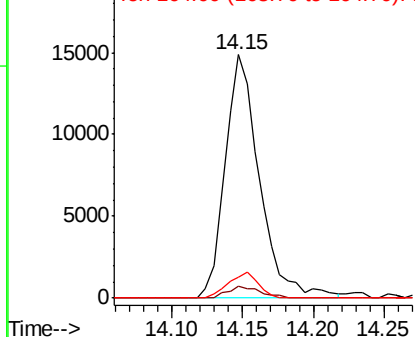


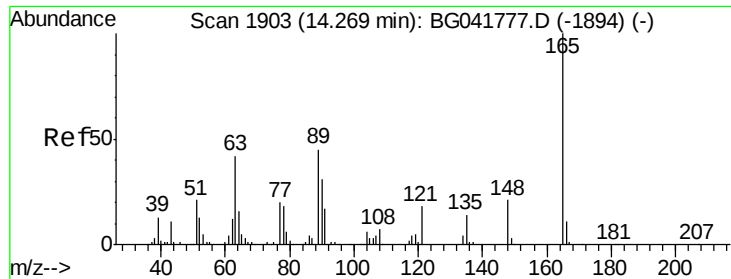
#50
 Dimethylphthalate
 Concen: 2.212 ng
 RT: 14.15 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

Tgt Ion:163 Resp: 25157
 Ion Ratio Lower Upper
 163 100
 194 4.9 4.2 6.2
 164 8.4 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

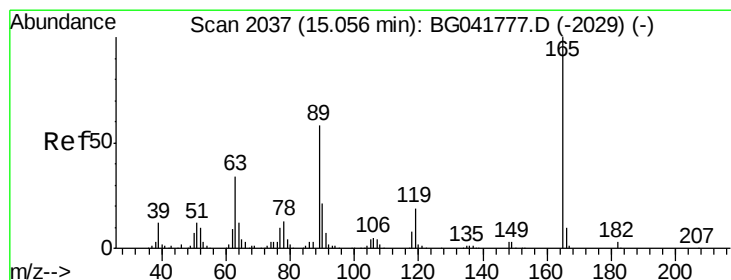
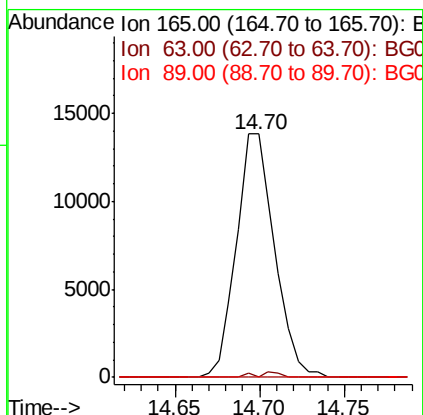
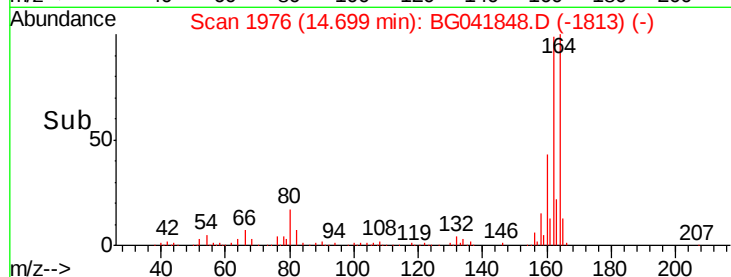
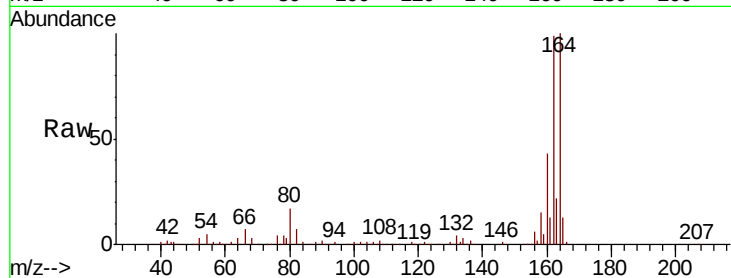




#51
 2,6-Dinitrotoluene
 Concen: 9.167 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

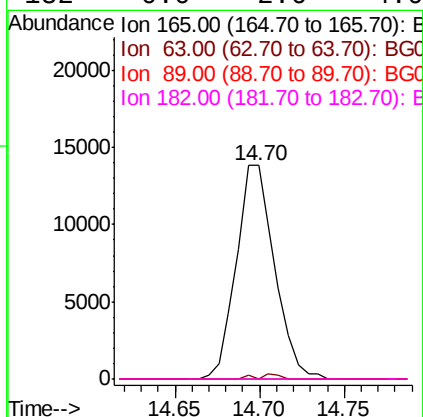
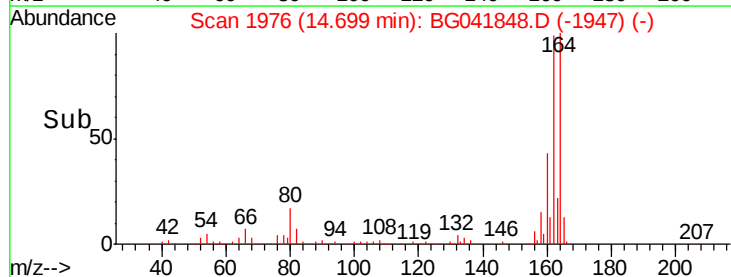
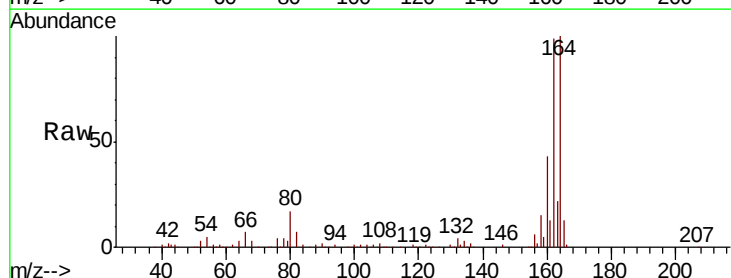
Instrument :
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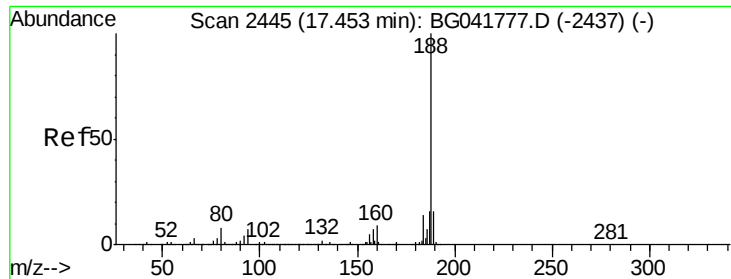
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.666 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

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

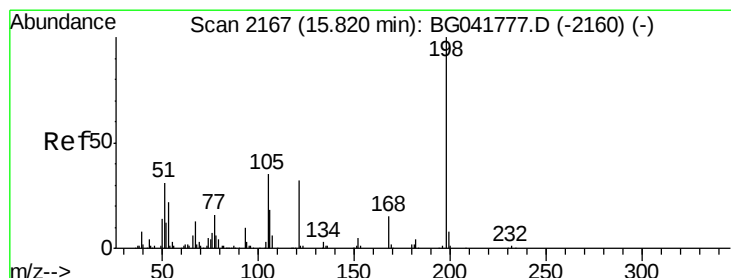
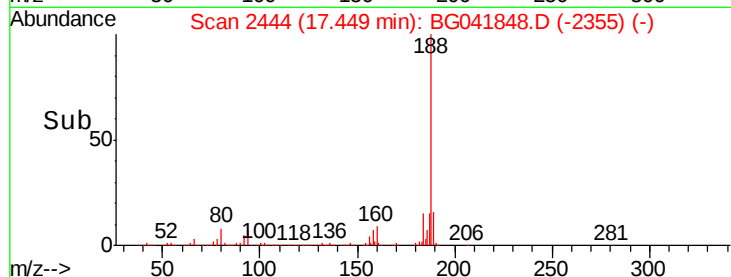
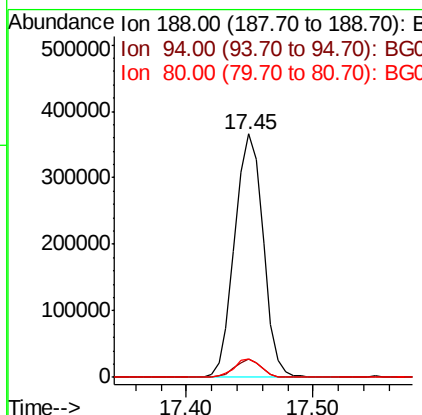
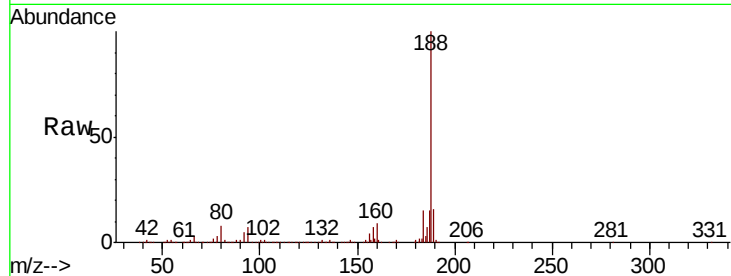




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG041848.D
Acq: 1 Aug 2019 00:36

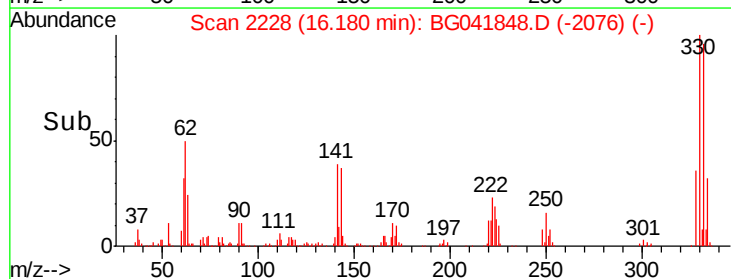
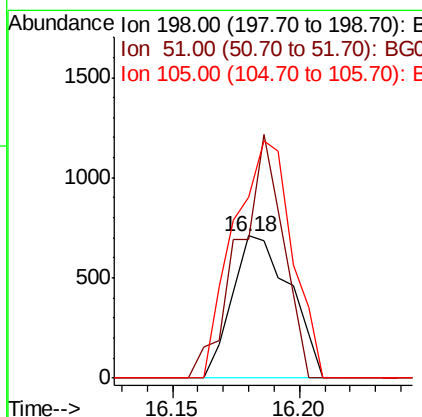
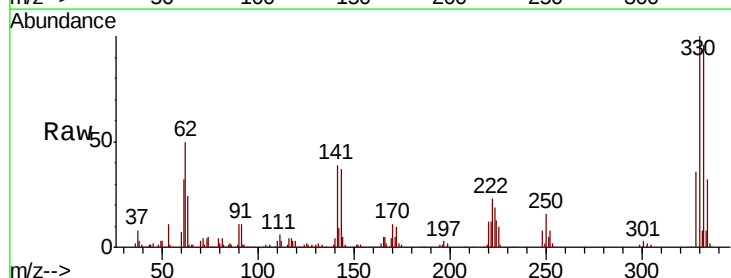
Instrument :
BNA_G
ClientSampleId :
TP-5

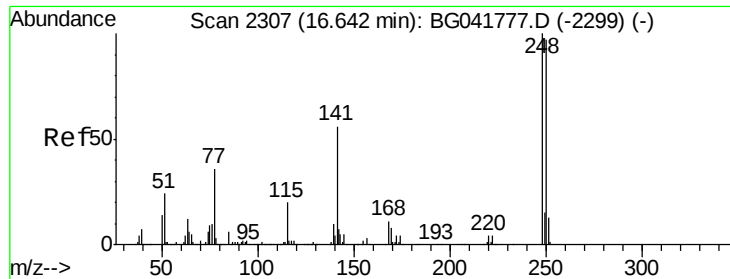
Tgt Ion:188 Resp: 571053
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 7.7 8.0 12.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.196 ng
RT: 16.18 min Scan# 2228
Delta R.T. 0.36 min
Lab File: BG041848.D
Acq: 1 Aug 2019 00:36

Tgt Ion:198 Resp: 1120
Ion Ratio Lower Upper
198 100
51 98.0 22.3 62.3#
105 127.4 18.0 58.0#

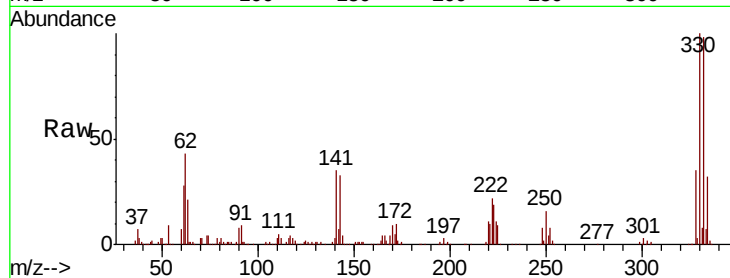




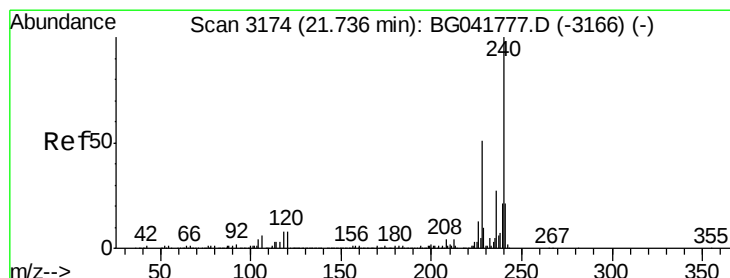
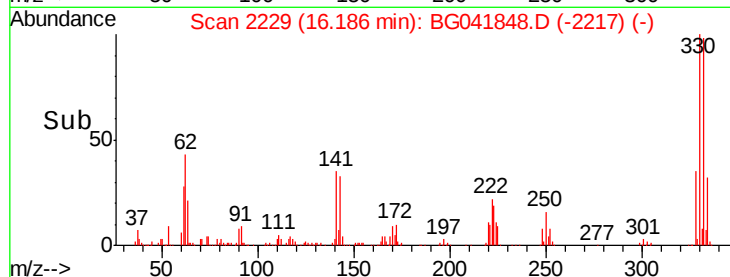
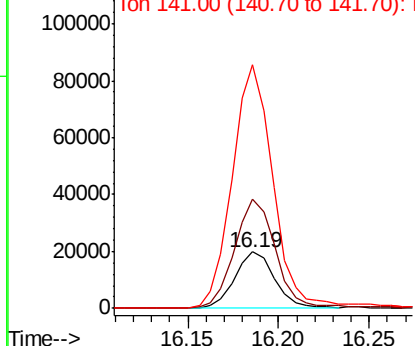
#67
 4-Bromophenyl-phenylether
 Concen: 4.308 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Tgt Ion:248 Resp: 30303
 Ion Ratio Lower Upper
 248 100
 250 194.9 78.1 117.1#
 141 433.6 49.6 74.4#

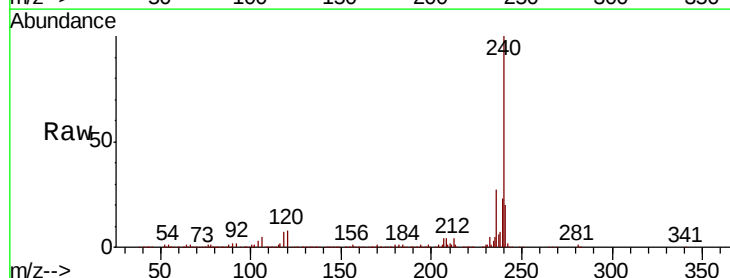


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

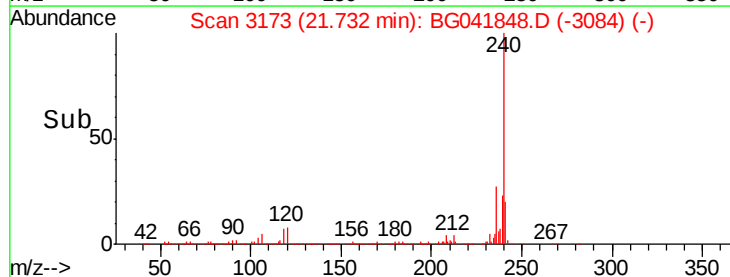
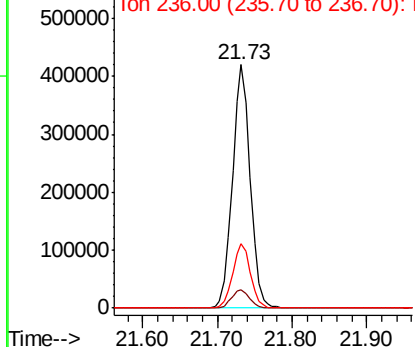


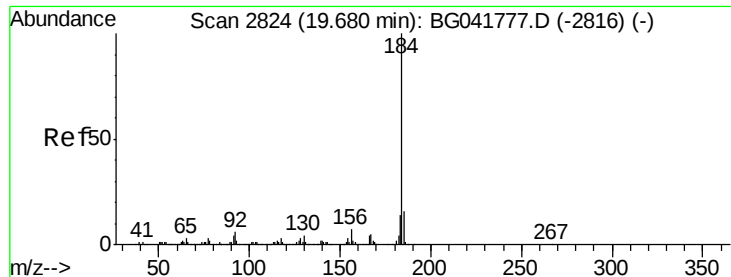
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BG041848.D
 Acq: 1 Aug 2019 00:36

Tgt Ion:240 Resp: 693308
 Ion Ratio Lower Upper
 240 100
 120 7.7 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





#77

Benzidine

Concen: 2.430 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.38 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

Instrument :

BNA_G

ClientSampled :

TP-5

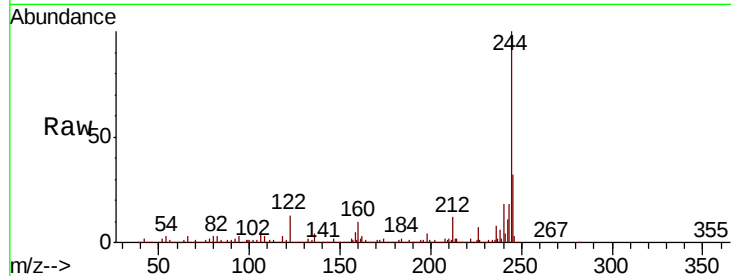
Tgt Ion:184 Resp: 54981

Ion Ratio Lower Upper

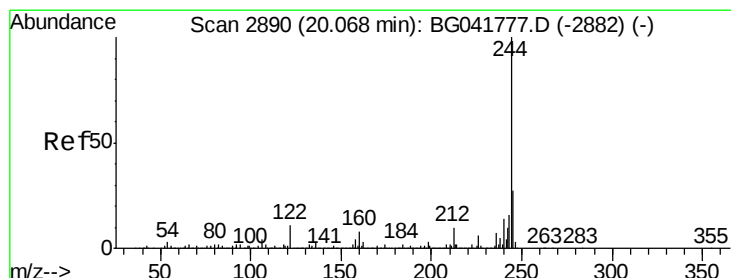
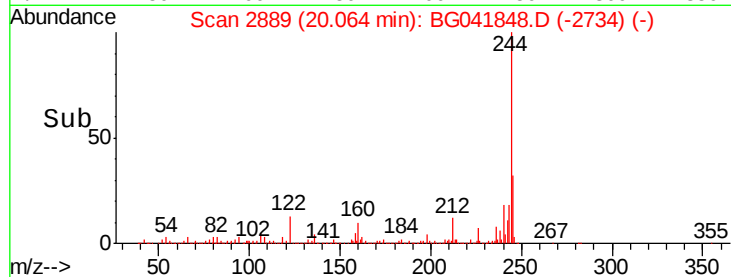
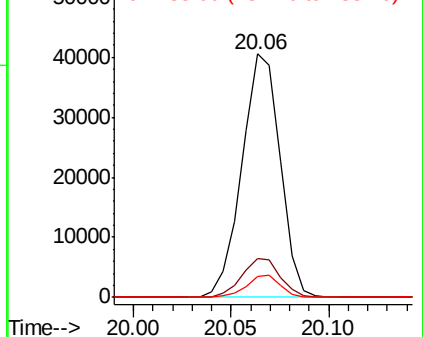
184 100

185 15.7 13.0 19.4

183 8.5 11.8 17.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.724 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041848.D

Acq: 1 Aug 2019 00:36

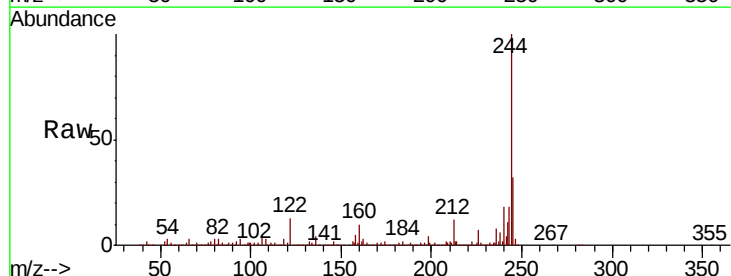
Tgt Ion:244 Resp: 2839684

Ion Ratio Lower Upper

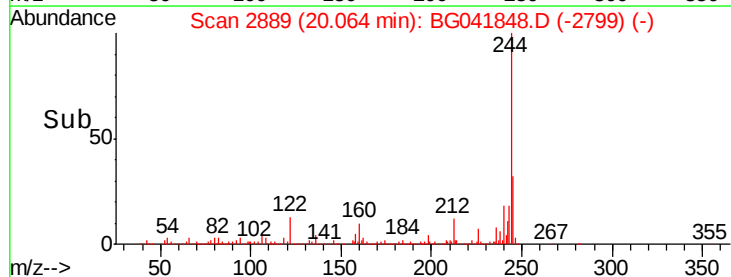
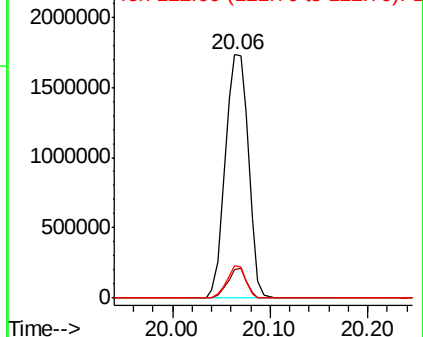
244 100

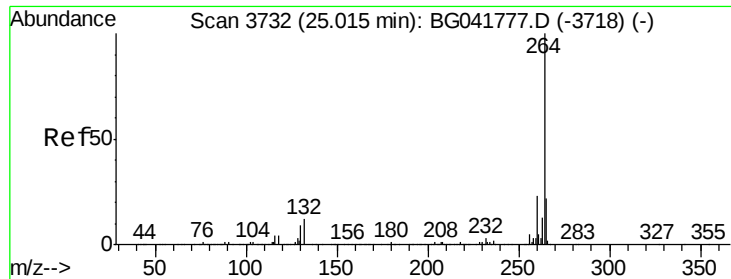
212 11.7 9.7 14.5

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: 25.00 min Scan# 3730
Delta R.T. -0.01 min
Lab File: BG041848.D
Acq: 1 Aug 2019 00:36

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	18.0	27.0

