

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042318.D
 Acq On : 18 Aug 2019 11:19
 Operator : HP/JU
 Sample : K4324-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-F1-(0-4)

Quant Time: Aug 19 06:01:21 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

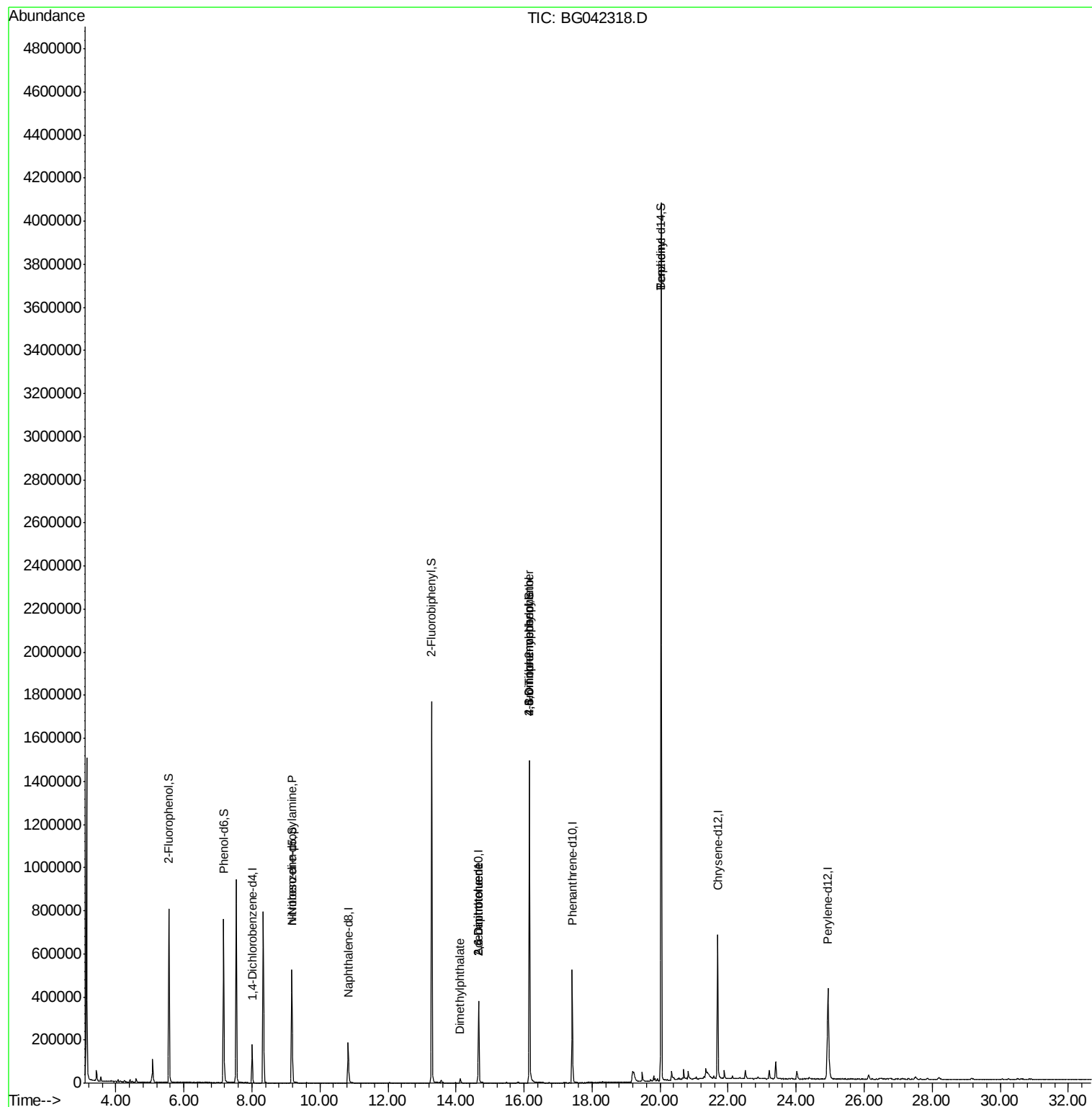
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	57862	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	215317	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	157346	20.00	ng	-0.04
64) Phenanthrene-d10	17.41	188	379235	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	434249	20.00	ng	-0.04
87) Perylene-d12	24.94	264	502637	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	416401	140.02	ng	-0.03
7) Phenol-d6	7.17	99	527050	131.45	ng	-0.03
23) Nitrobenzene-d5	9.17	82	351066	112.20	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	368393	206.12	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1070491	119.99	ng	-0.04
79) Terphenyl-d14	20.03	244	2035959	107.28	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	44714	15.361	ng	Qvalue # 65
50) Dimethylphthalate	14.12	163	24511	2.281	ng	# 98
51) 2,6-Dinitrotoluene	14.67	165	20326	9.046	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	20326	6.578	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.16	198	866	7.252	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	26258	5.621	ng	# 1
77) Benzidine	20.03	184	29529	2.083	ng	# 94

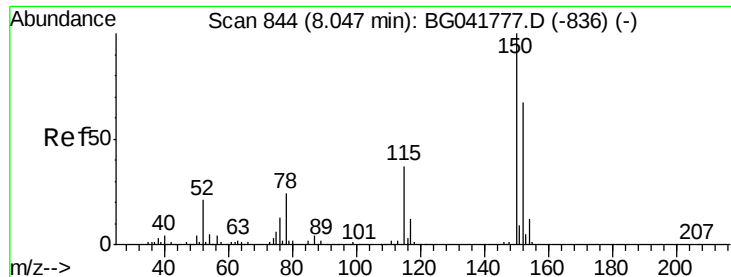
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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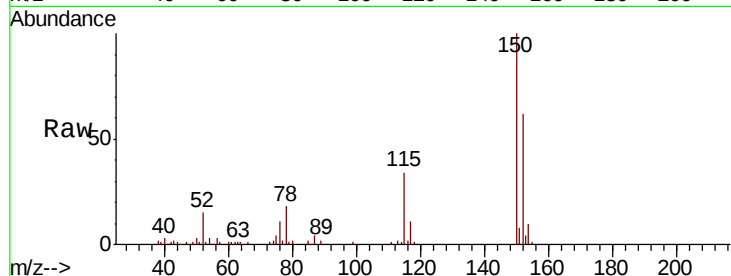


#1

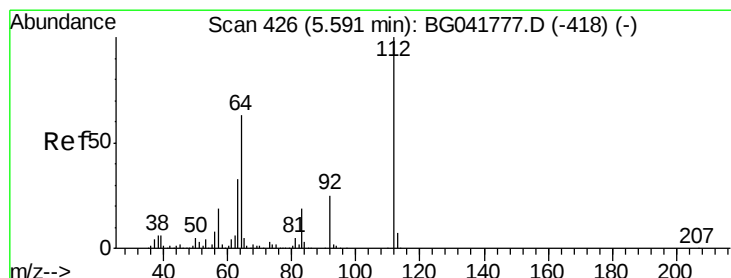
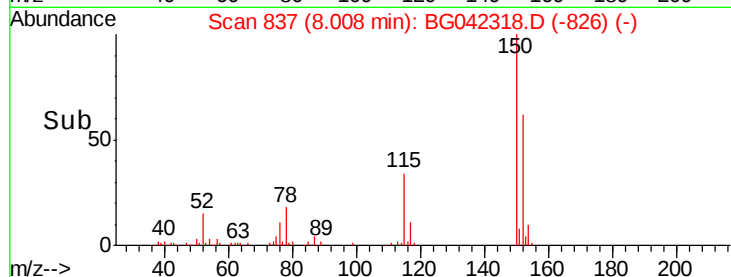
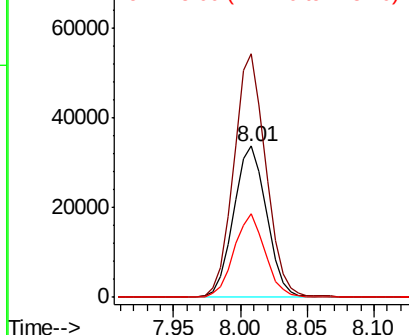
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042318.D
Acq: 18 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :
T8-F1-(0-4)

Tgt Ion:152 Resp: 57862
Ion Ratio Lower Upper
152 100
150 161.4 126.9 190.3
115 55.1 45.0 67.6



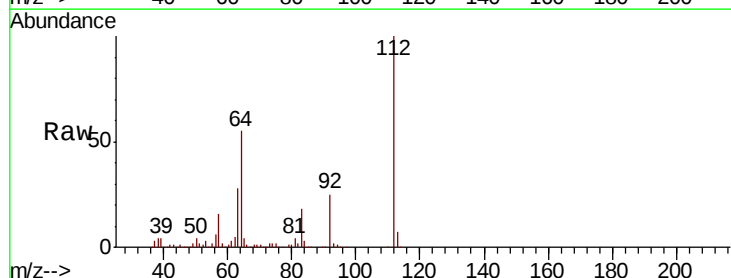
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



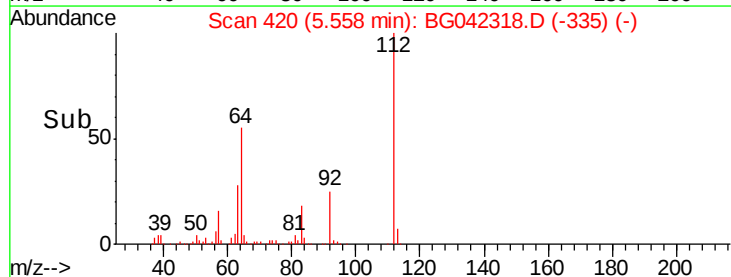
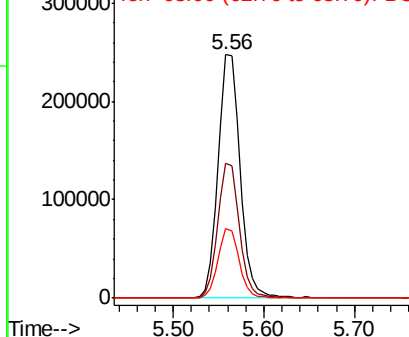
#5

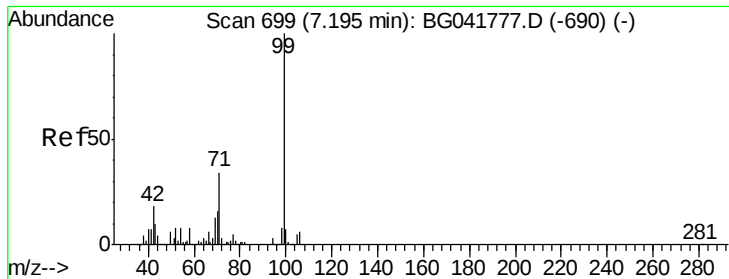
2-Fluorophenol
Concen: 140.016 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.03 min
Lab File: BG042318.D
Acq: 18 Aug 2019 11:19

Tgt Ion:112 Resp: 416401
Ion Ratio Lower Upper
112 100
64 55.4 55.4 83.2#
63 28.4 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: 131.454 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

T8-F1-(0-4)

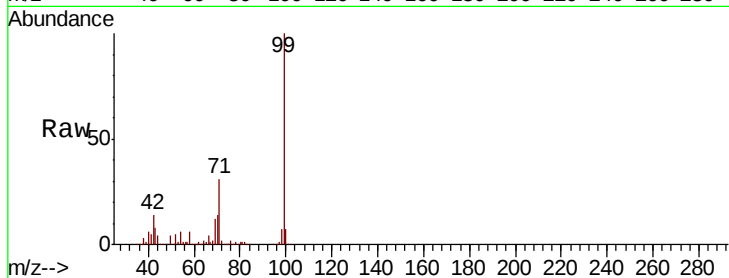
Tgt Ion: 99 Resp: 527050

Ion Ratio Lower Upper

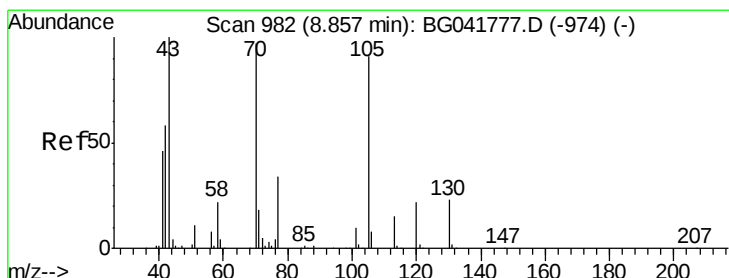
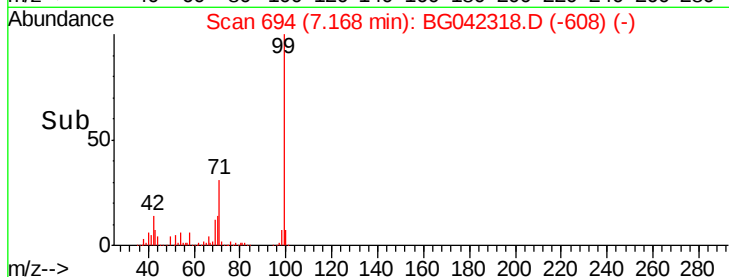
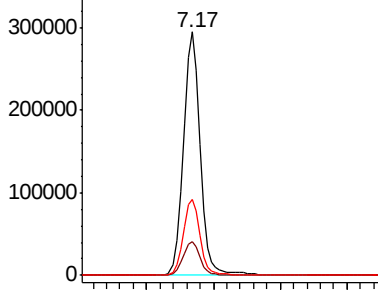
99 100

42 13.9 17.6 26.4#

71 31.1 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: 15.361 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.31 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

Tgt Ion: 70 Resp: 44714

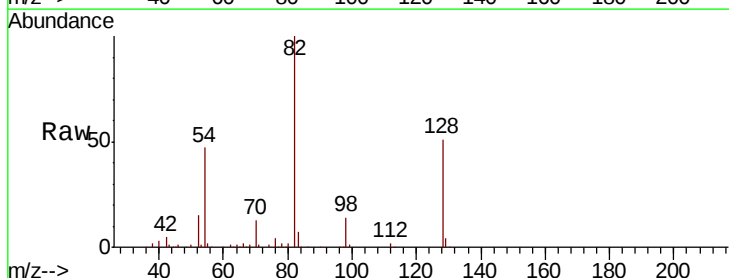
Ion Ratio Lower Upper

70 100

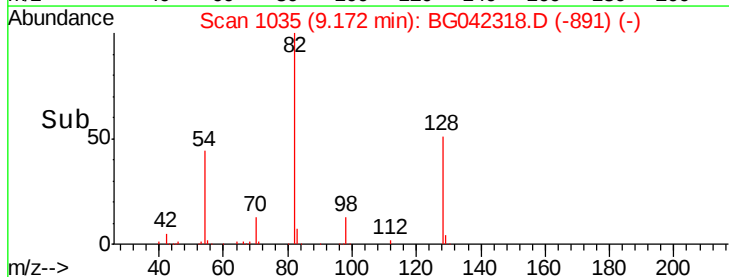
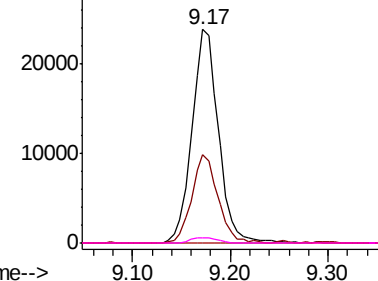
42 41.4 55.8 83.6#

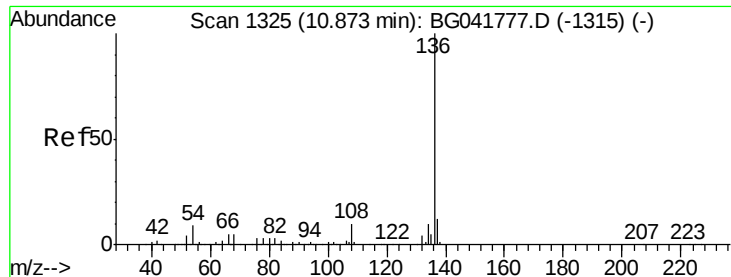
101 0.0 8.1 12.1#

130 2.5 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: 10.83 min Scan# 1317

Delta R.T. -0.04 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

T8-F1-(0-4)

Tgt Ion: 136 Resp: 215317

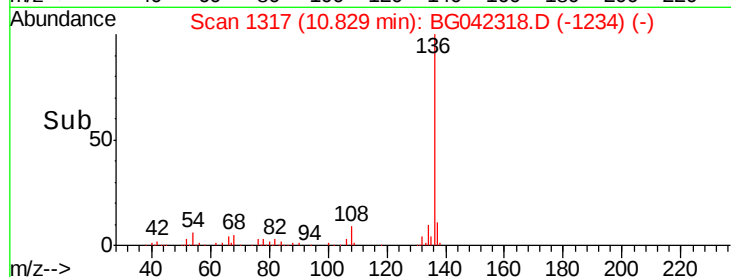
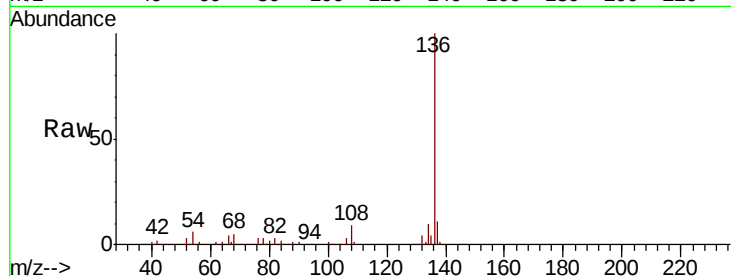
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 6.4 8.7 13.1#

68 4.8 5.5 8.3#



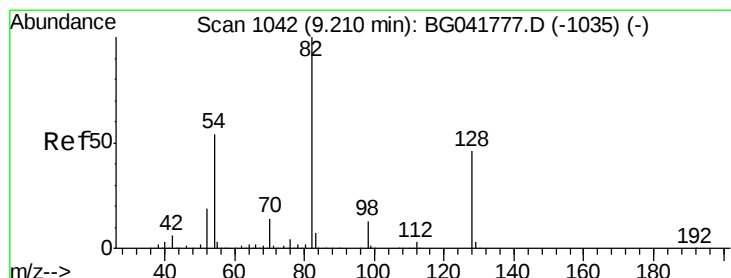
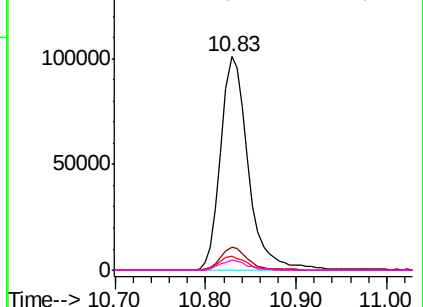
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 112.202 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.04 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

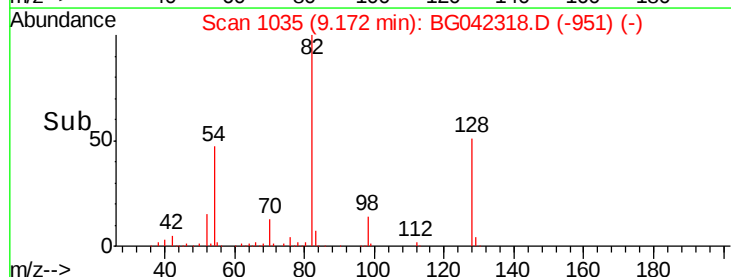
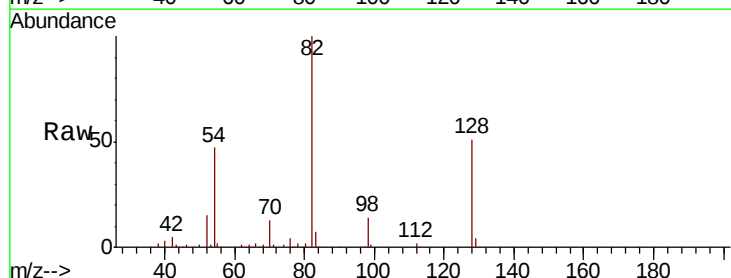
Tgt Ion: 82 Resp: 351066

Ion Ratio Lower Upper

82 100

128 51.3 35.1 52.7

54 47.1 48.7 73.1#

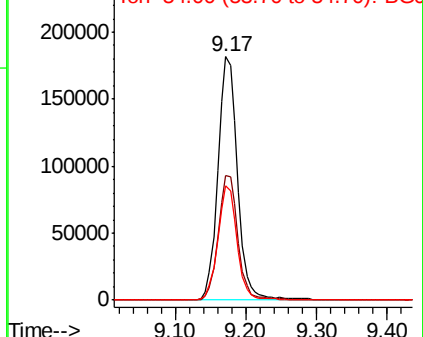


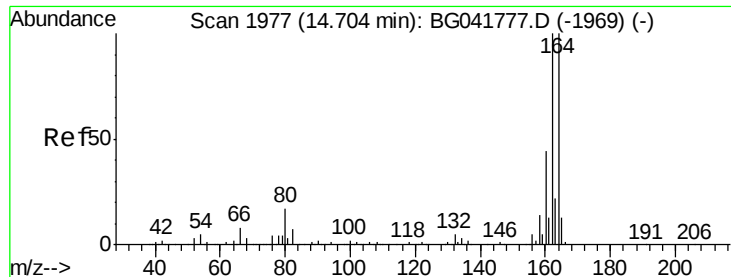
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.04 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

T8-F1-(0-4)

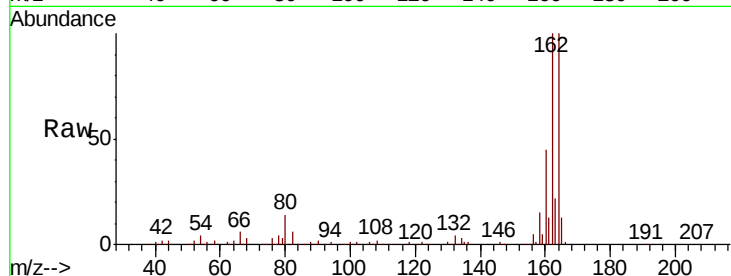
Tgt Ion:164 Resp: 157346

Ion Ratio Lower Upper

164 100

162 99.5 79.6 119.4

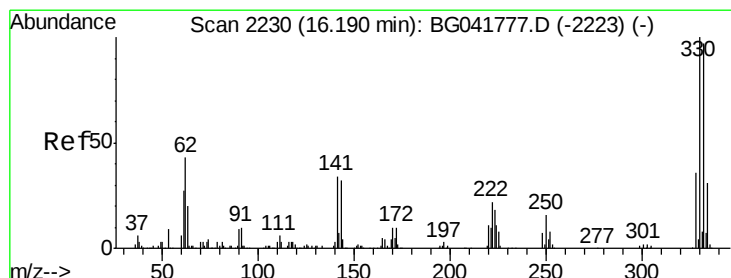
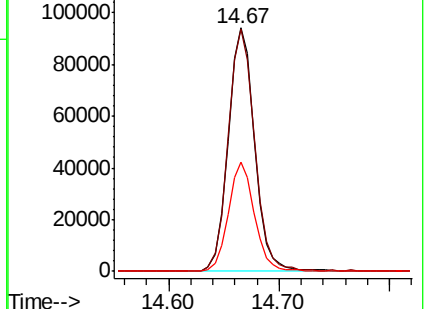
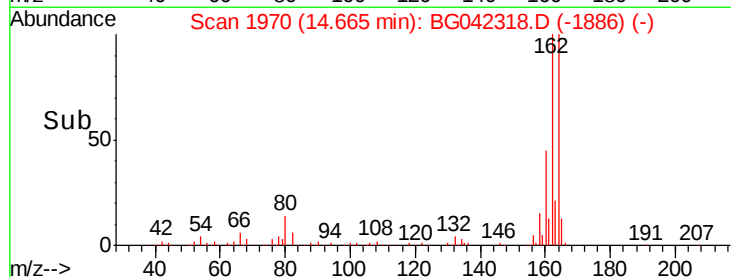
160 44.8 35.4 53.0



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: 206.125 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.03 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

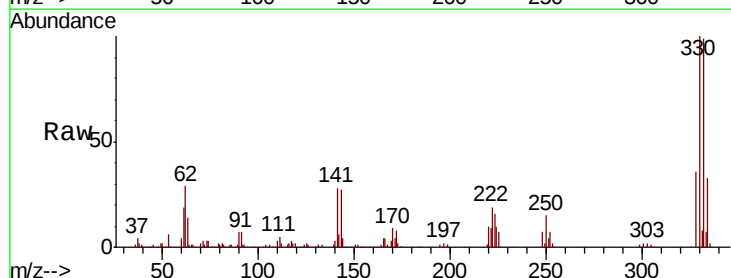
Tgt Ion:330 Resp: 368393

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

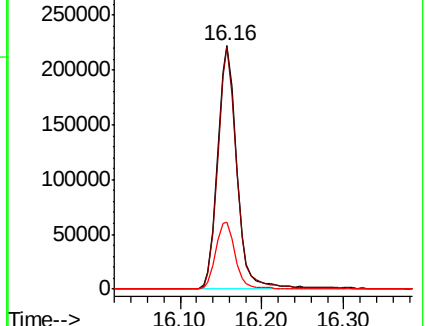
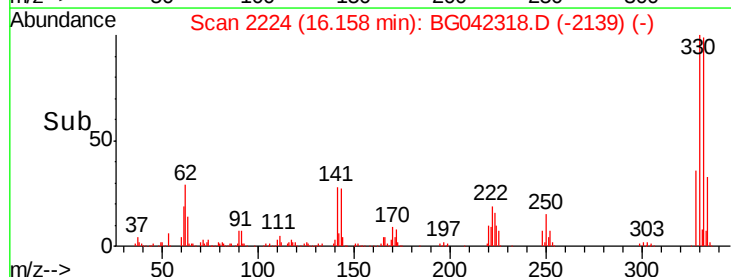
141 28.2 31.9 47.9#

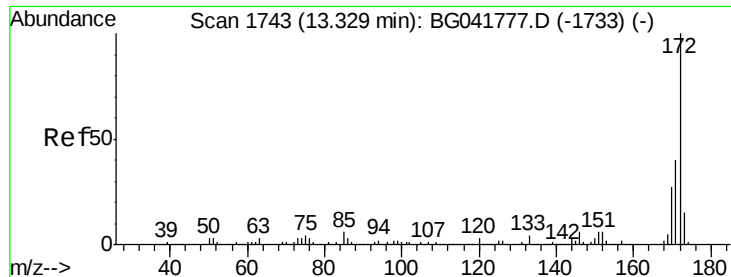


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

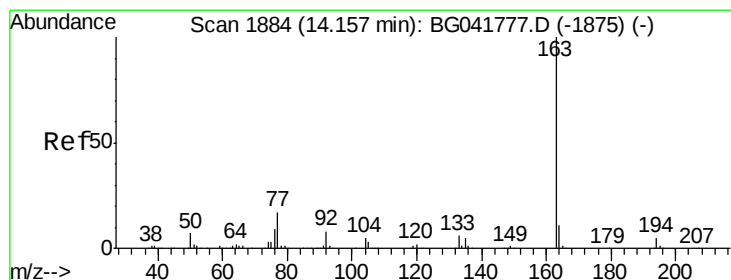
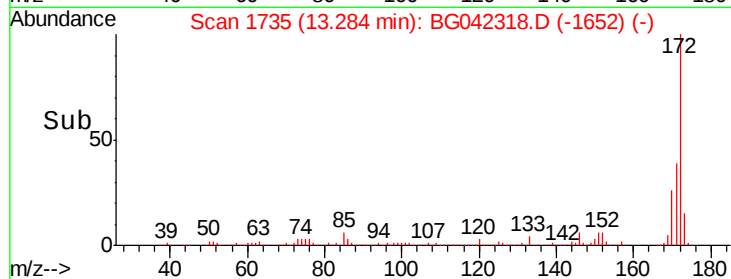
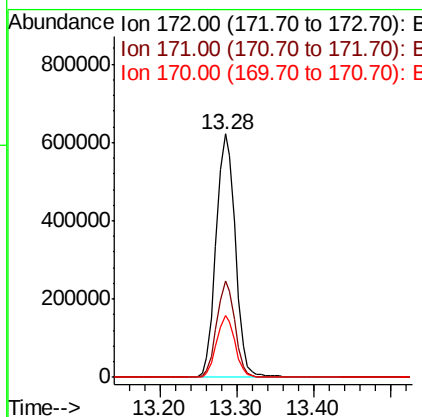
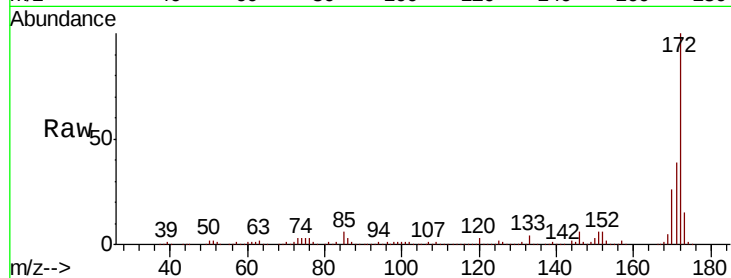




#45
 2-Fluorobiphenyl
 Concen: 119.993 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

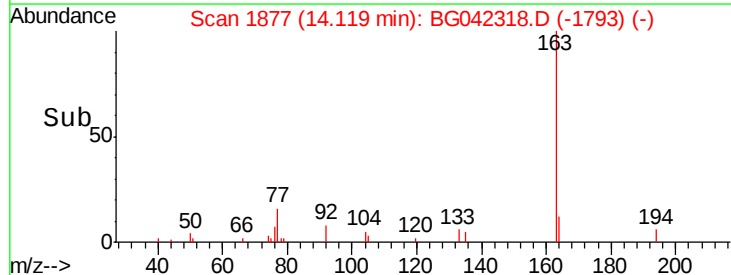
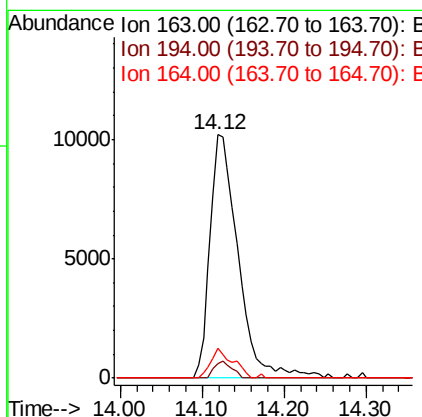
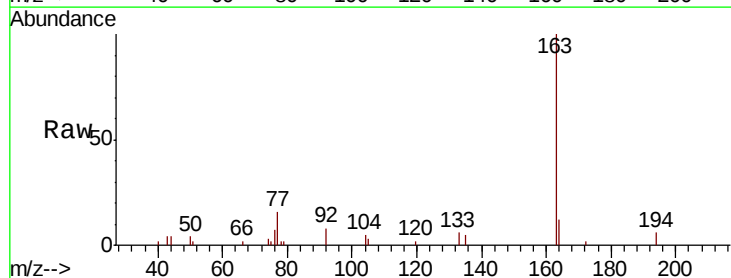
Instrument :
 BNA_G
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 T8-F1-(0-4)

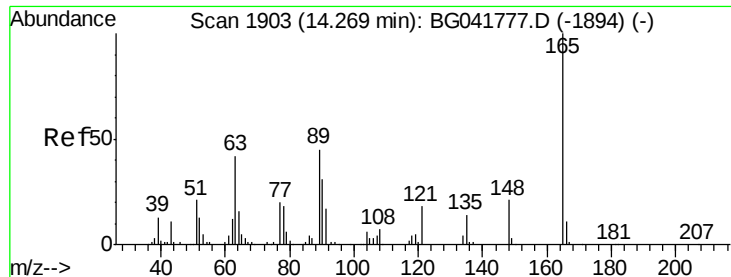
Tgt Ion:172 Resp: 1070491
 Ion Ratio Lower Upper
 172 100
 171 39.3 35.0 52.4
 170 25.6 23.5 35.3



#50
 Dimethylphthalate
 Concen: 2.281 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

Tgt Ion:163 Resp: 24511
 Ion Ratio Lower Upper
 163 100
 194 5.8 4.2 6.2
 164 12.4 9.4 14.2

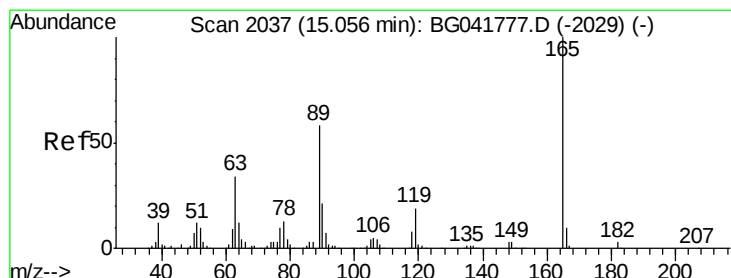
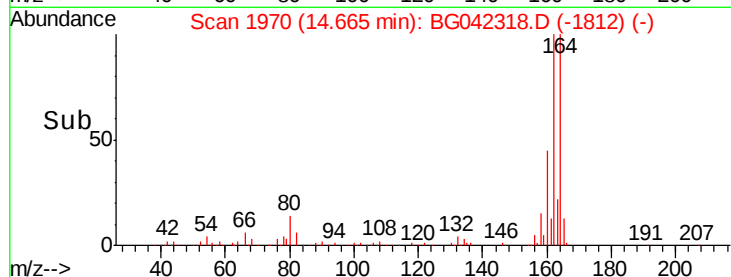
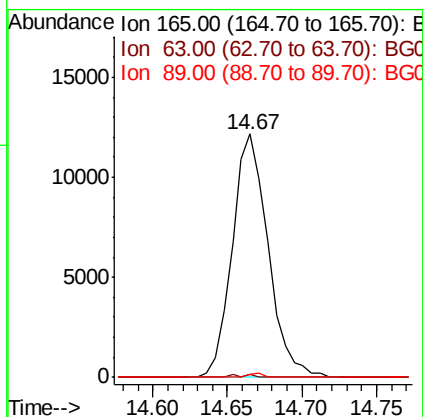
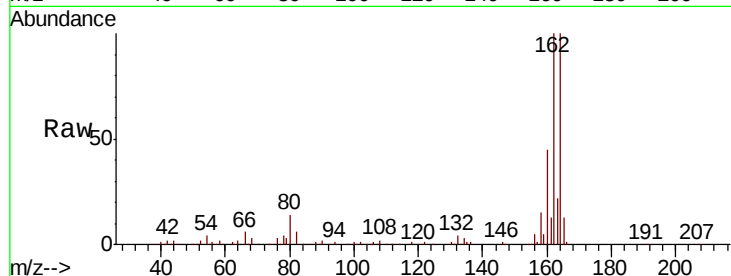




#51
 2,6-Dinitrotoluene
 Concen: 9.046 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

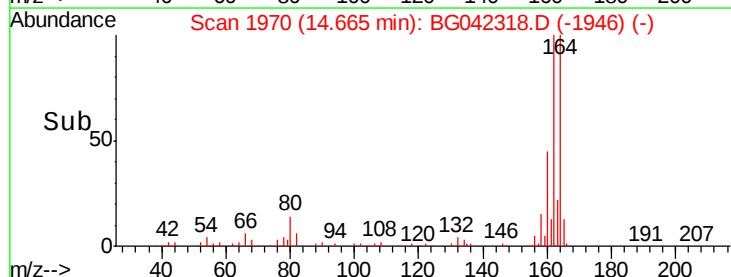
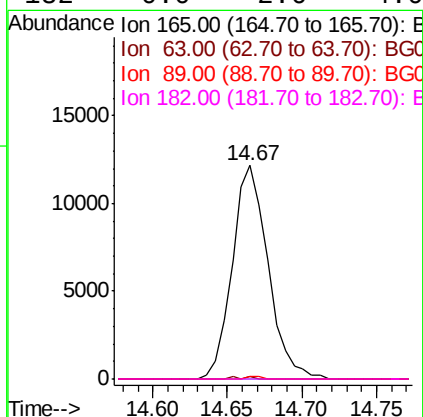
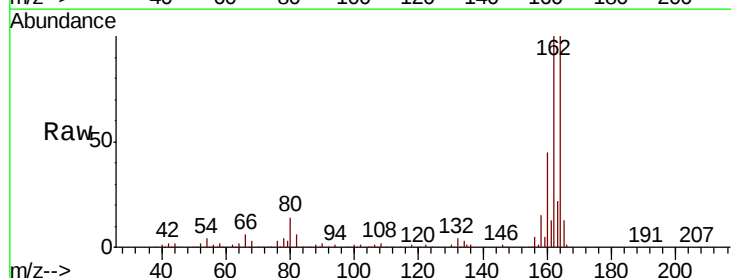
Instrument :
 BNA_G
 ClientSampleId :
 T8-F1-(0-4)

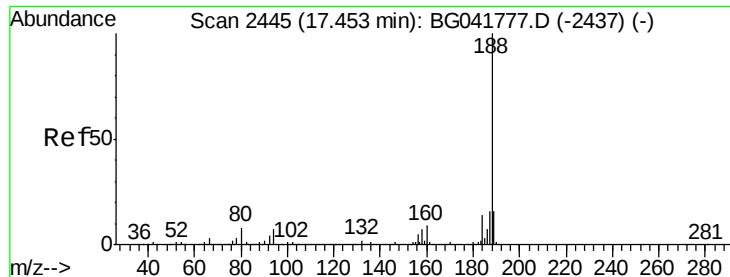
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.4	63.6#
89	1.3	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.578 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.7	47.5#
89	1.3	50.2	75.4#
182	0.0	2.6	4.0#

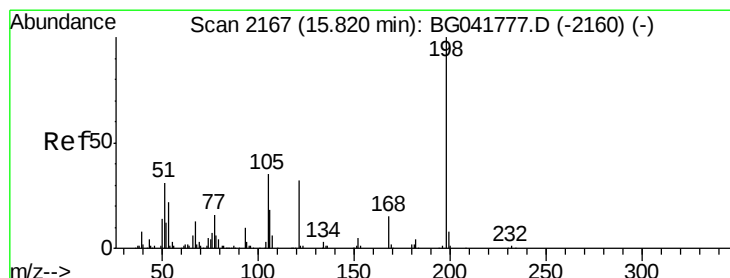
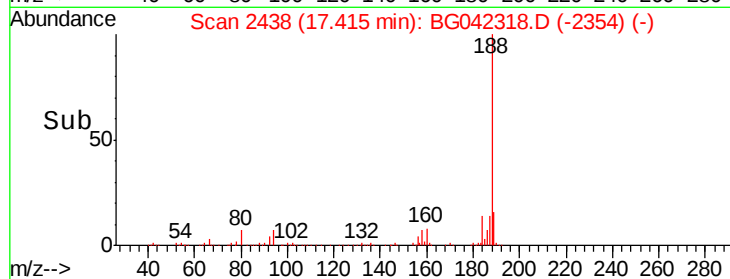
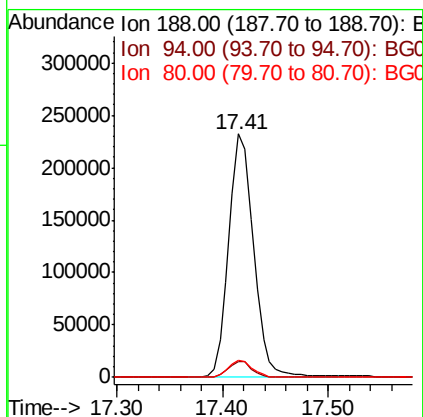
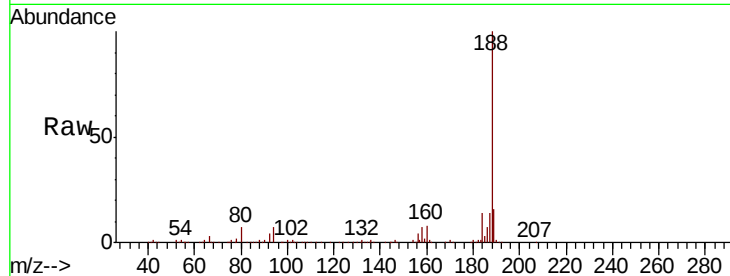




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.04 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

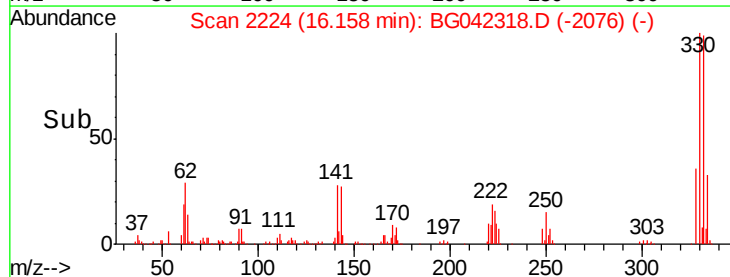
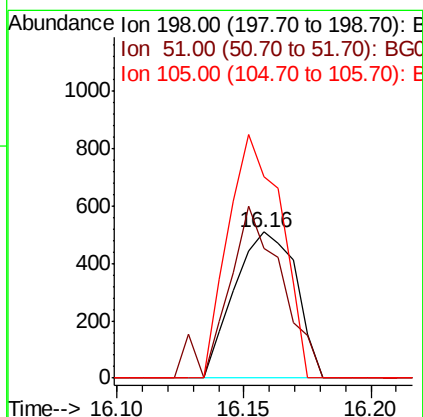
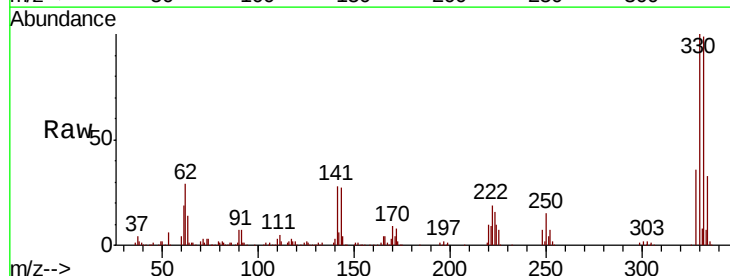
Instrument :
 BNA_G
 ClientSampleId :
 T8-F1-(0-4)

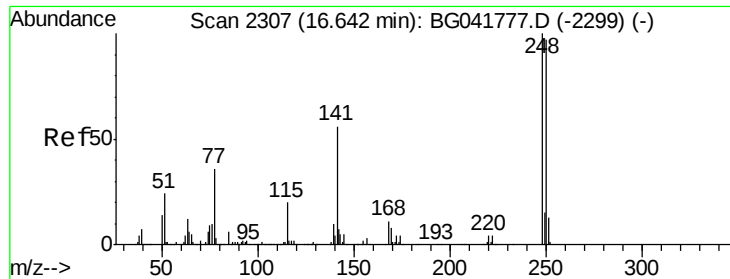
Tgt Ion:188 Resp: 379235
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 7.1 8.0 12.0#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.252 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.34 min
 Lab File: BG042318.D
 Acq: 18 Aug 2019 11:19

Tgt Ion:198 Resp: 866
 Ion Ratio Lower Upper
 198 100
 51 88.6 22.3 62.3#
 105 137.5 18.0 58.0#

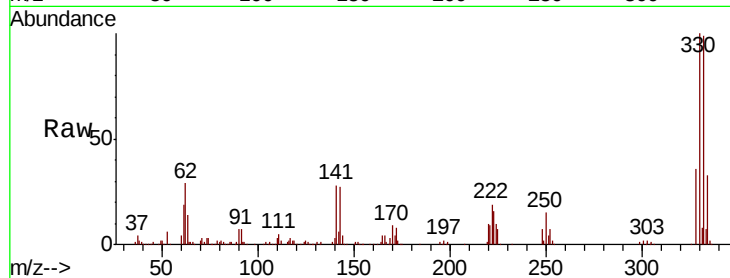




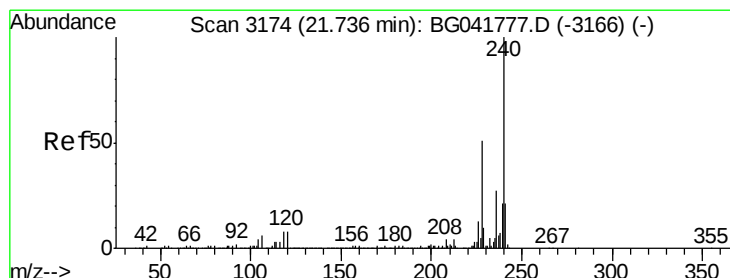
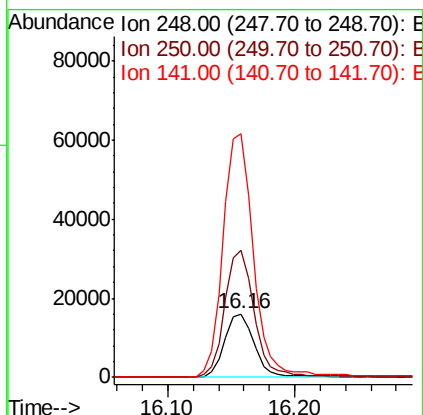
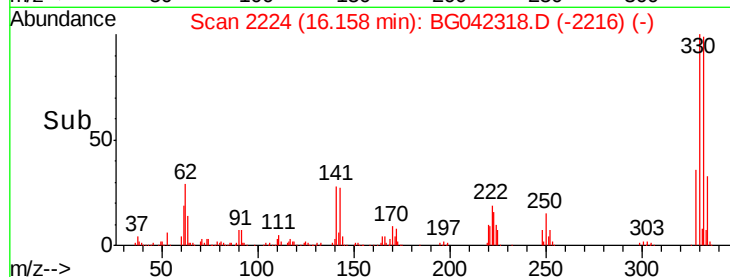
#67
4-Bromophenyl-phenylether
Concen: 5.621 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.48 min
Lab File: BG042318.D
Acq: 18 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :
T8-F1-(0-4)

Tgt Ion:248 Resp: 26258
Ion Ratio Lower Upper
248 100
250 201.7 78.1 117.1#
141 384.6 49.6 74.4#

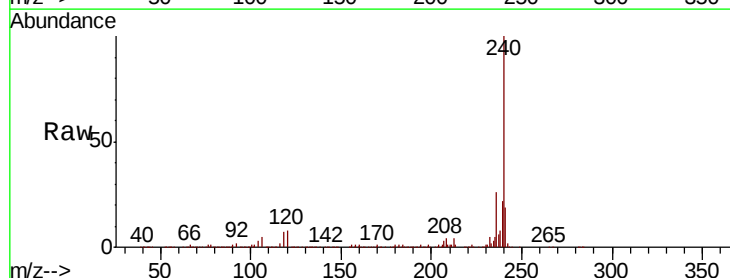


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

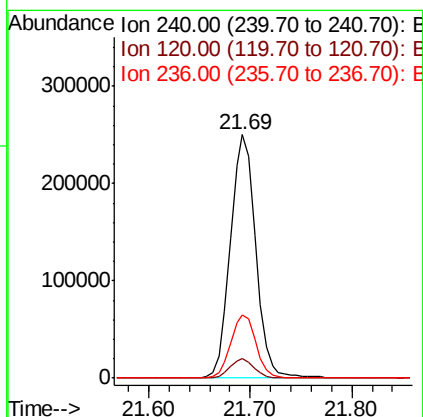
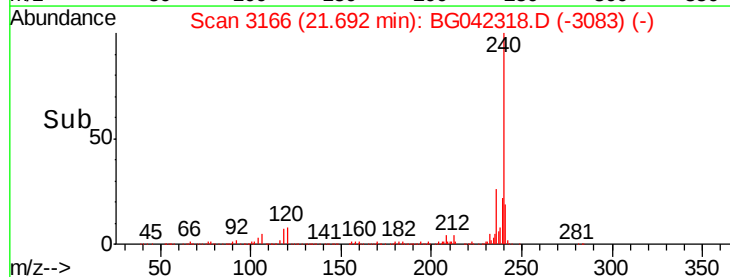


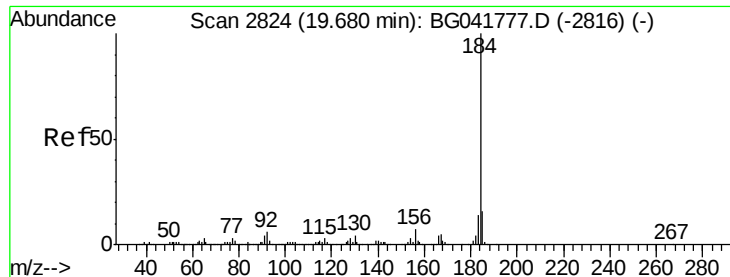
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.04 min
Lab File: BG042318.D
Acq: 18 Aug 2019 11:19

Tgt Ion:240 Resp: 434249
Ion Ratio Lower Upper
240 100
120 8.0 8.0 12.0#
236 26.2 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: 2.083 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.35 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

T8-F1-(0-4)

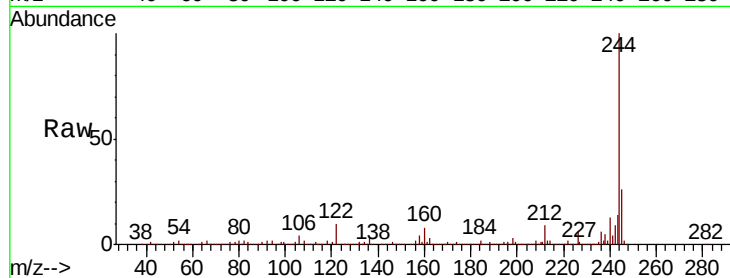
Tgt Ion:184 Resp: 29529

Ion Ratio Lower Upper

184 100

185 16.3 13.0 19.4

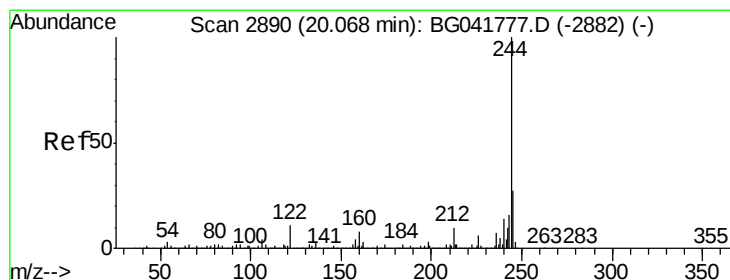
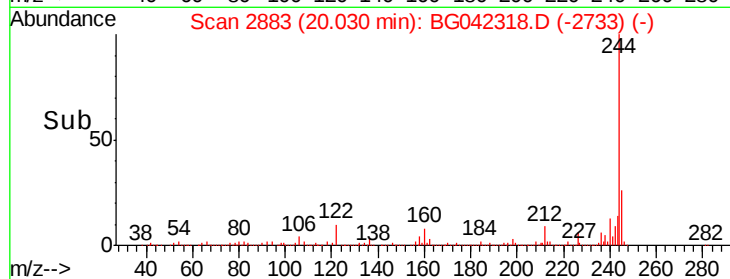
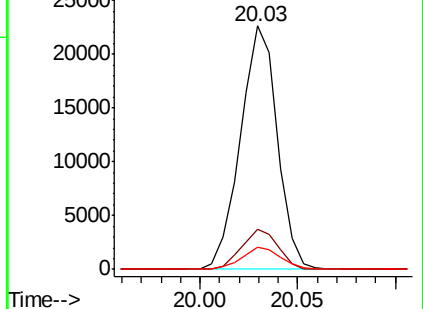
183 9.4 11.8 17.6#



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: 107.284 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG042318.D

Acq: 18 Aug 2019 11:19

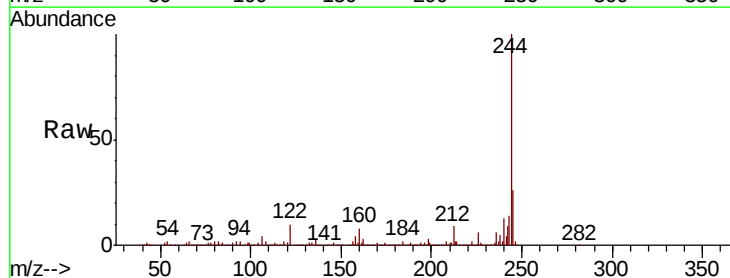
Tgt Ion:244 Resp: 2035959

Ion Ratio Lower Upper

244 100

212 9.0 9.7 14.5#

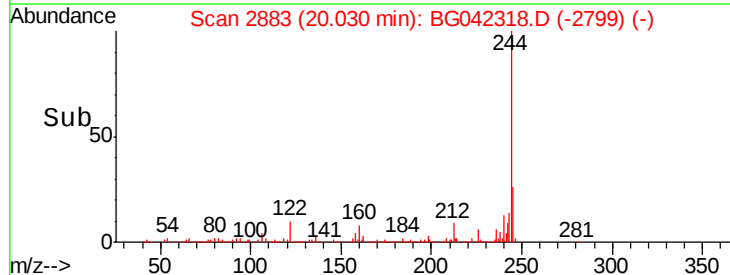
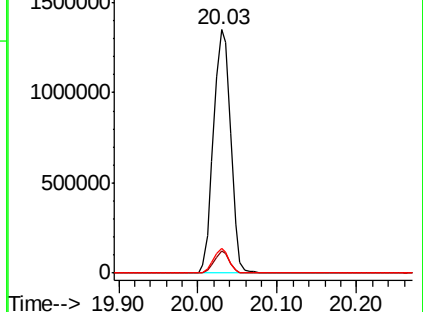
122 10.4 12.5 18.7#

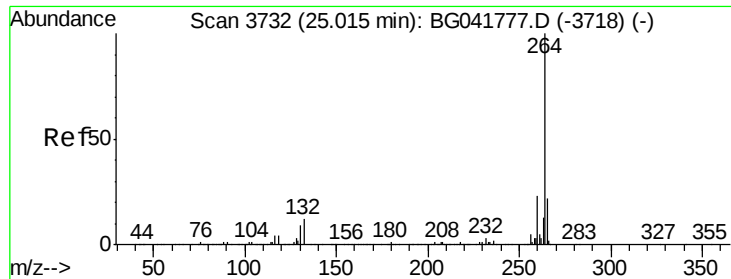


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3718
Delta R.T. -0.08 min
Lab File: BG042318.D
Acq: 18 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :
T8-F1-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.6	18.0	27.0

