

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091720\
 Data File : BG046666.D
 Acq On : 17 Sep 2020 18:30
 Operator : CG/JU
 Sample : L4038-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Sep 17 19:06:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 17 14:27:03 2020
 Response via : Initial Calibration

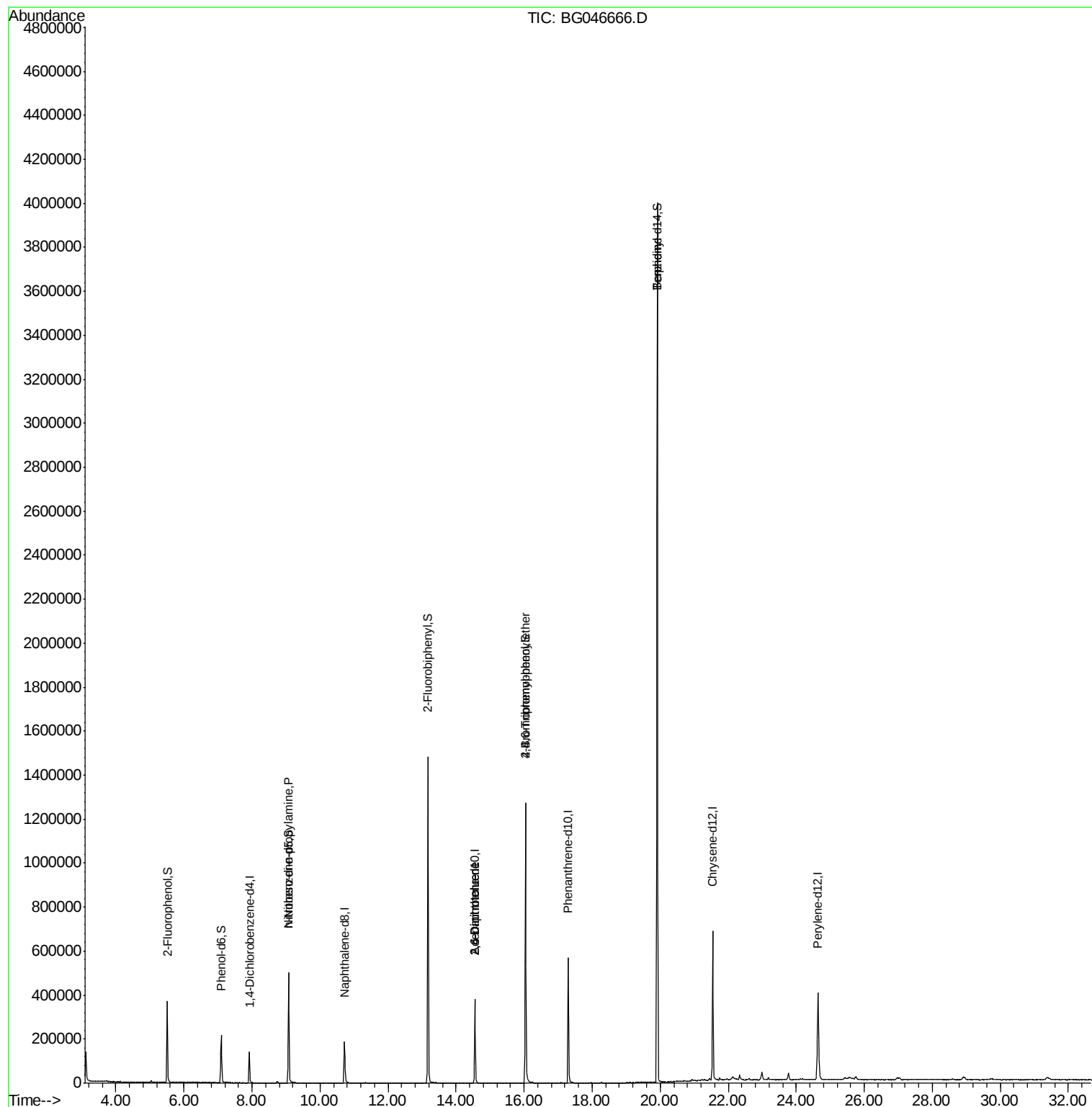
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	47833	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	198338	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	150181	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	407225	20.00	ng	0.00
76) Chrysene-d12	21.54	240	446884	20.00	ng	0.00
86) Perylene-d12	24.64	264	435038	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	181589	67.24	ng	0.00
7) Phenol-d6	7.10	99	158496	41.40	ng	0.00
23) Nitrobenzene-d5	9.08	82	340775	98.20	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	277708	136.48	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	883174	89.77	ng	0.00
79) Terphenyl-d14	19.92	244	1845248	87.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	42964	18.762	ng	# 74
51) 2,6-Dinitrotoluene	14.55	165	19908	7.773	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	19908	5.451	ng	# 31
67) 4-Bromophenyl-phenylether	16.04	248	21107	4.443	ng	# 1
77) Benzidine	19.91	184	28975	2.790	ng	96

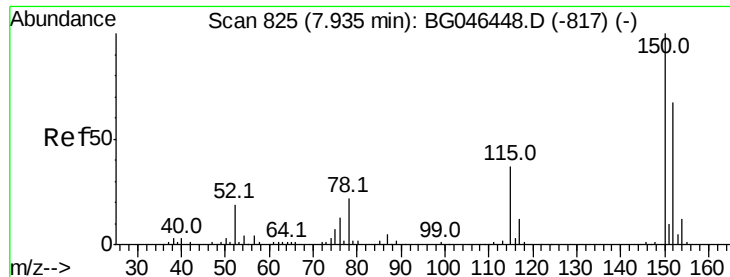
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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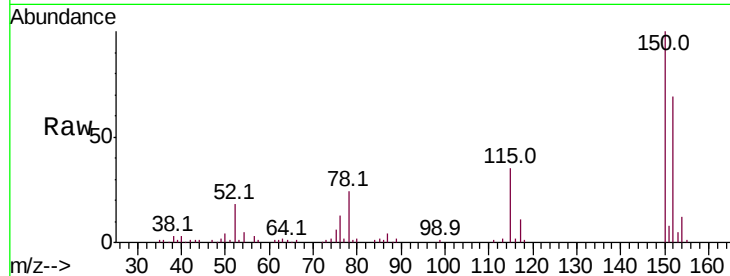


#1

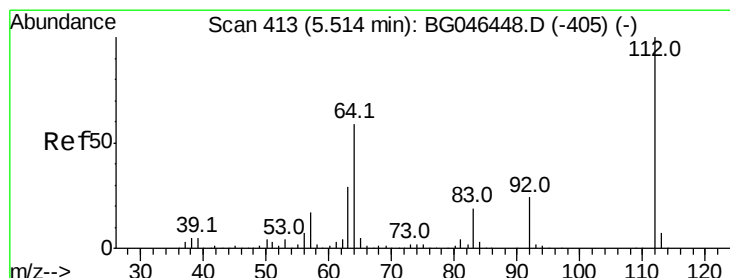
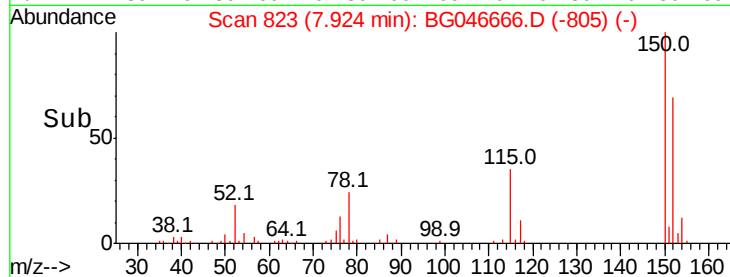
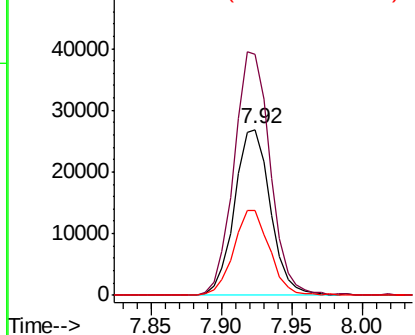
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:152 Resp: 47833
Ion Ratio Lower Upper
152 100
150 145.7 125.0 187.6
115 51.3 41.8 62.6



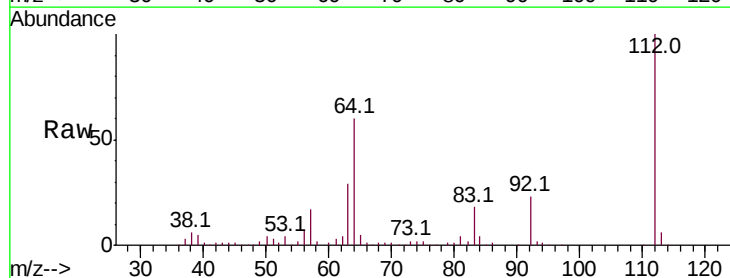
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



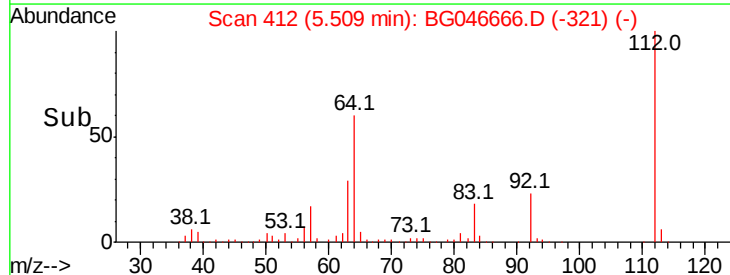
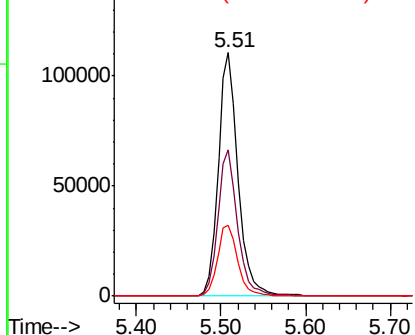
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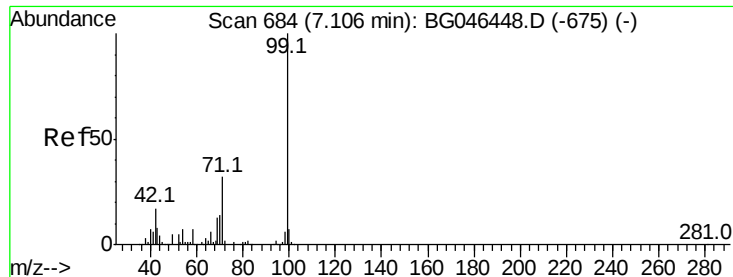
2-Fluorophenol
Concen: 67.240 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Tgt Ion:112 Resp: 181589
Ion Ratio Lower Upper
112 100
64 60.0 46.7 70.1
63 28.9 22.8 34.2



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: 41.400 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

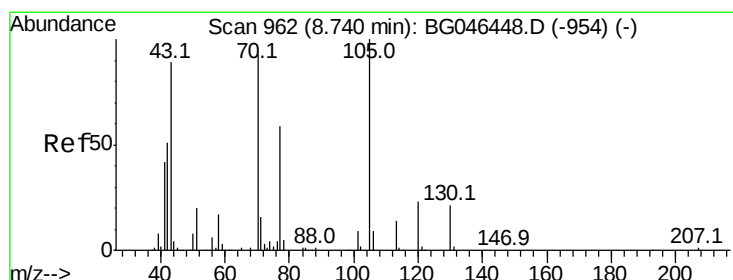
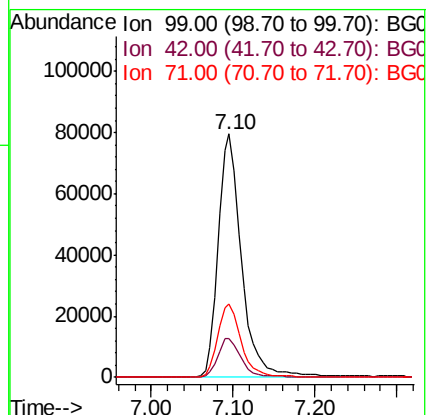
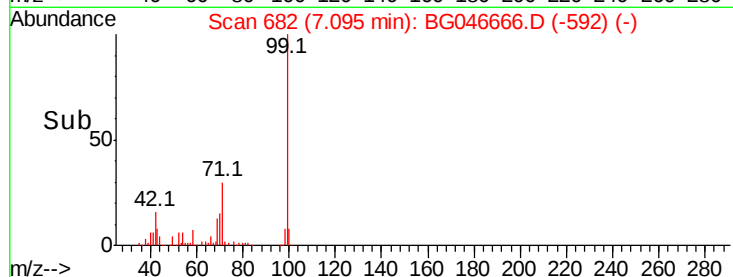
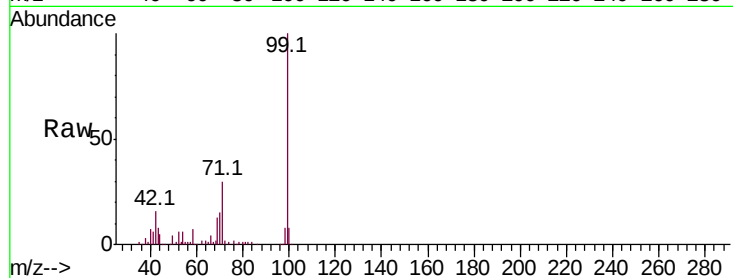
Tot Ion: 99 Resp: 158496

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

71 29.9 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.762 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

Tgt Ion: 70 Resp: 42964

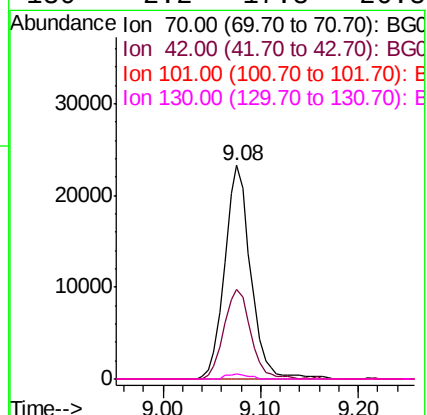
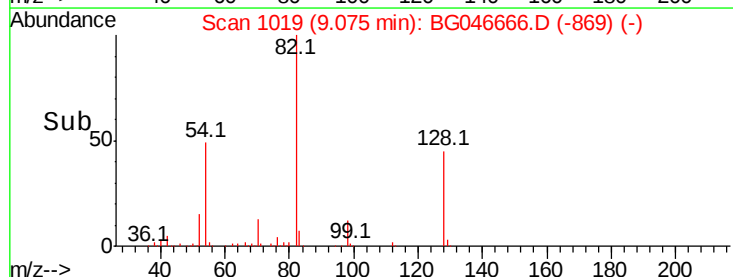
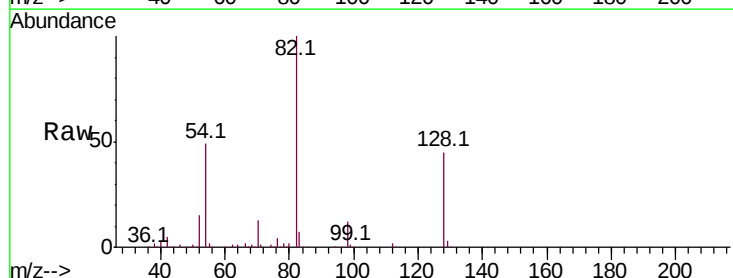
Ion Ratio Lower Upper

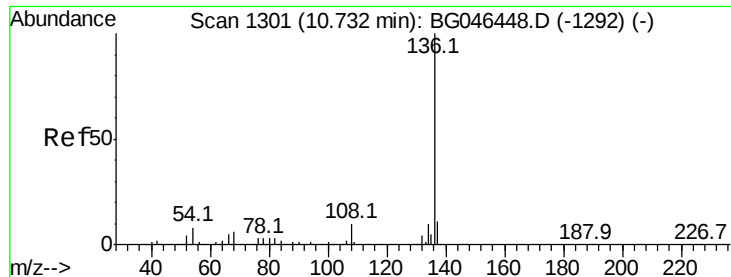
70 100

42 42.2 45.6 68.4#

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

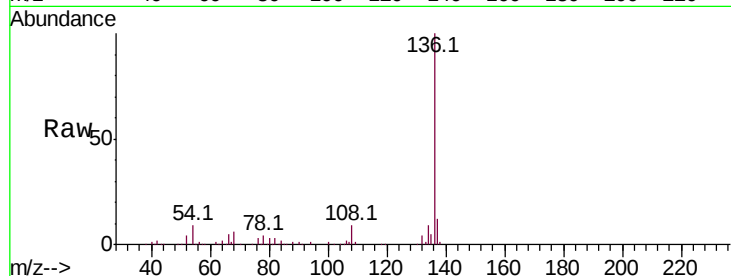




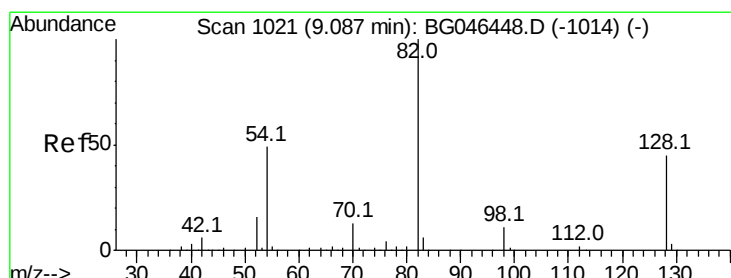
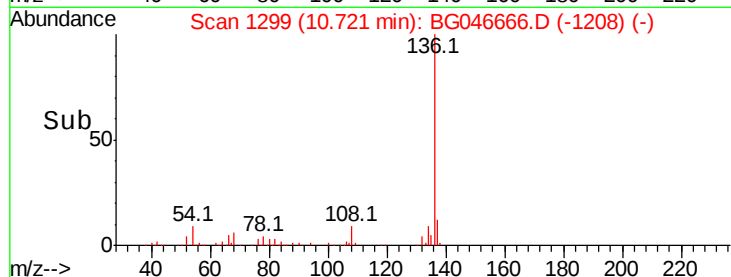
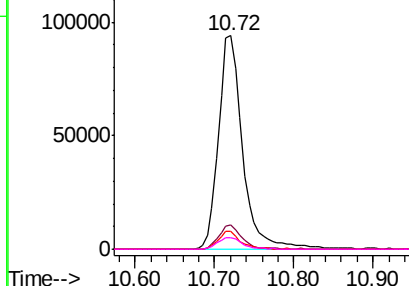
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:136	Resp:	198338
Ion Ratio	Lower	Upper
136 100		
137 11.6	9.1	13.7
54 8.6	6.2	9.4
68 5.6	5.0	7.4

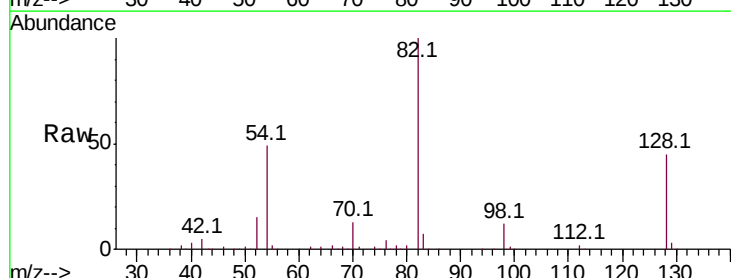


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

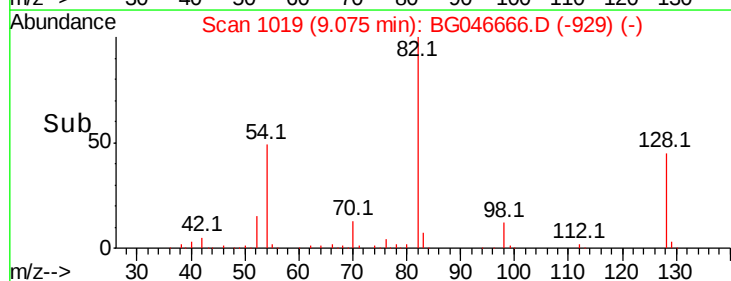
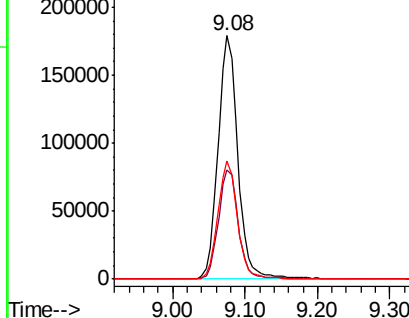


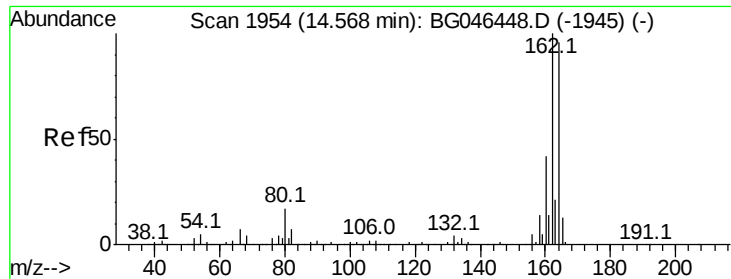
#23
Nitrobenzene-d5
Concen: 98.201 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Tgt Ion: 82	Resp: 340775
Ion Ratio	Lower Upper
82 100	
128 44.6	37.0 55.6
54 48.6	39.0 58.4



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

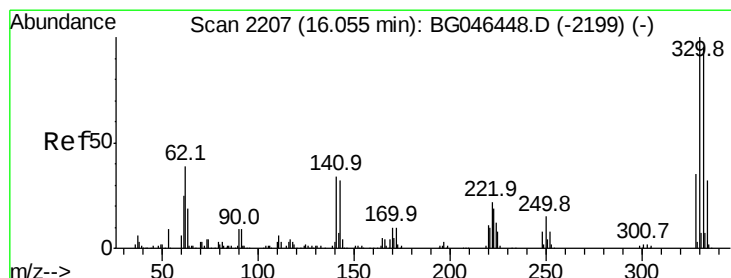
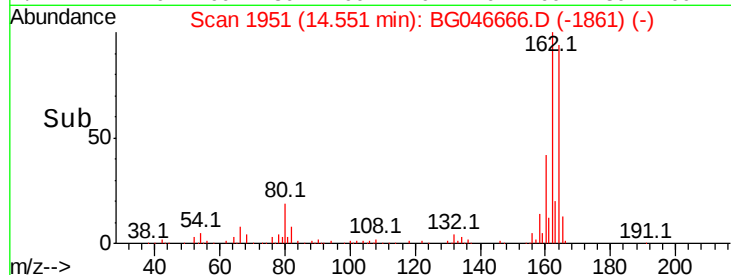
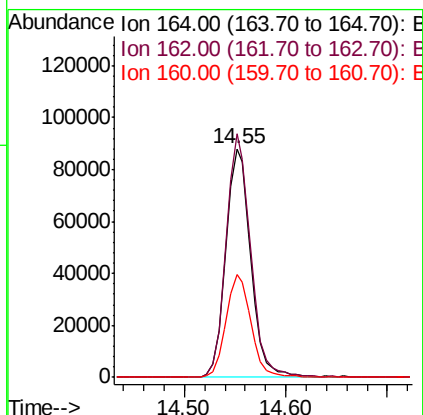
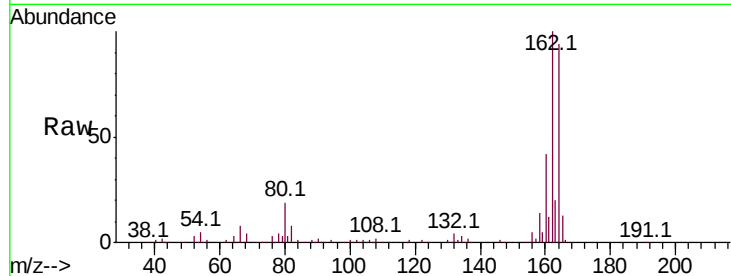




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG046666.D
 Acq: 17 Sep 2020 18:30

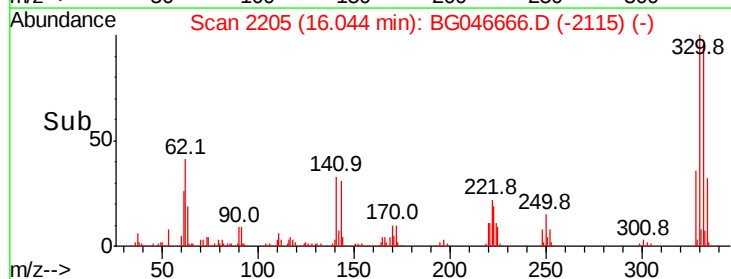
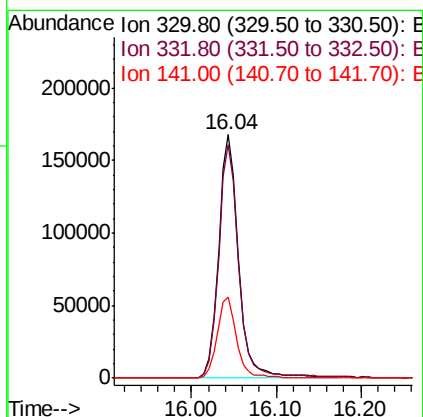
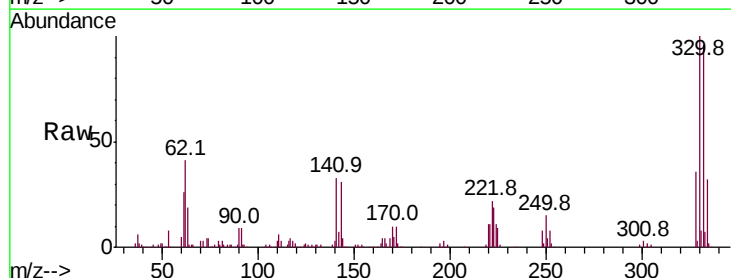
Instrument :
 BNA_G
 ClientSampleId :
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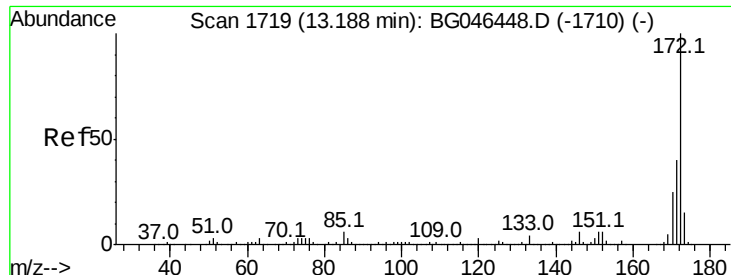
Tot Ion:164 Resp: 150181
 Ion Ratio Lower Upper
 164 100
 162 106.4 82.3 123.5
 160 44.9 35.3 52.9



#42
 2,4,6-Tribromophenol
 Concen: 136.476 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG046666.D
 Acq: 17 Sep 2020 18:30

Tgt Ion:330 Resp: 277708
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.5 114.7
 141 33.3 26.0 39.0

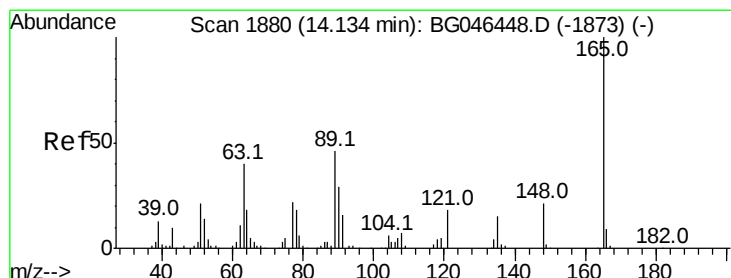
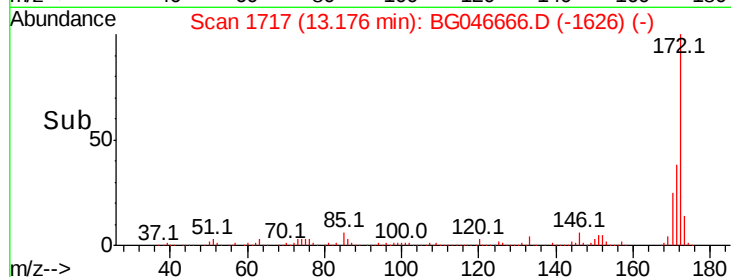
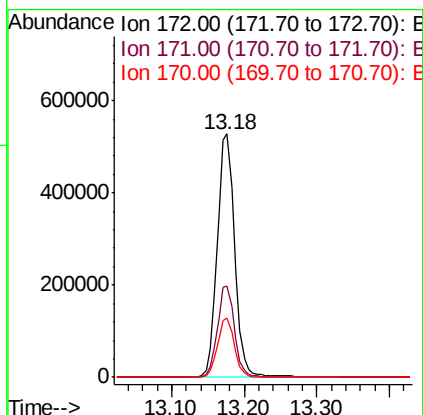
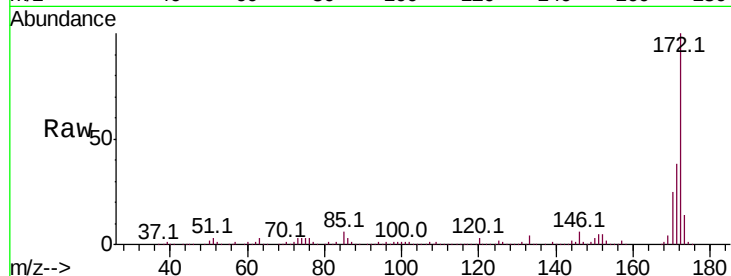




#45
 2-Fluorobiphenyl
 Concen: 89.773 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG046666.D
 Acq: 17 Sep 2020 18:30

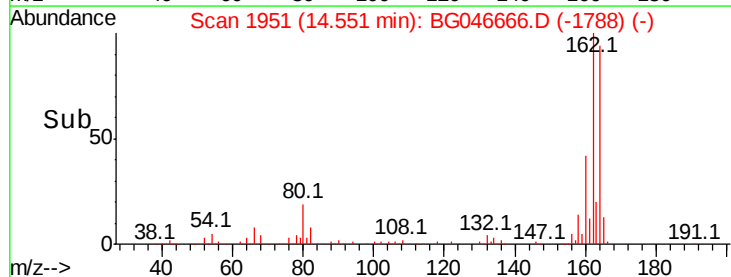
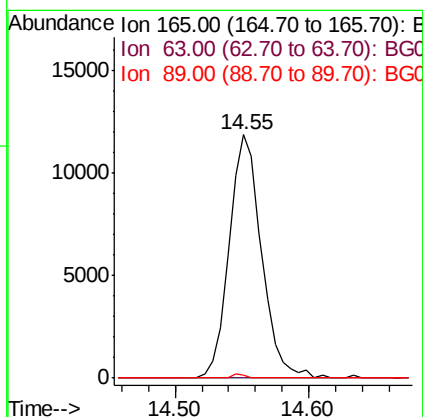
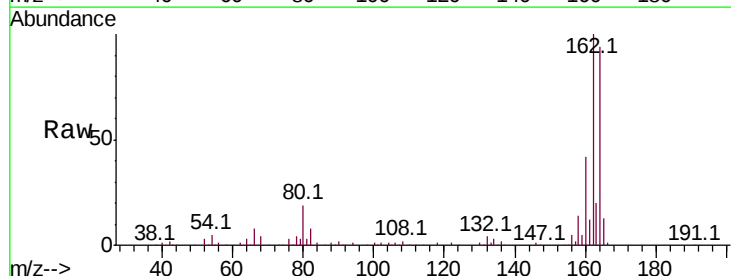
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 ClientSampleId :
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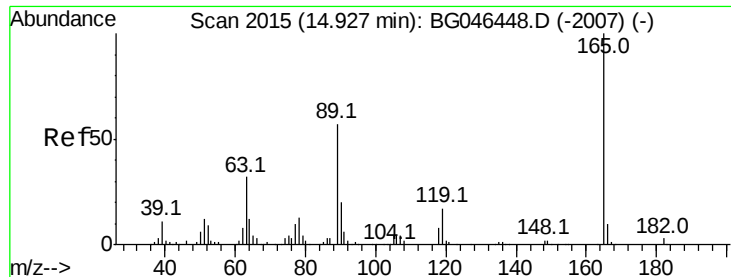
Tot Ion:172 Resp: 883174
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.3 46.9
 170 24.6 20.8 31.2



#51
 2,6-Dinitrotoluene
 Concen: 7.773 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046666.D
 Acq: 17 Sep 2020 18:30

Tgt Ion:165 Resp: 19908
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.7 50.5#
 89 1.4 36.6 54.8#





#57

2,4-Dinitrotoluene

Concen: 5.451 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.37 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

Tot Ion:165 Resp: 19908

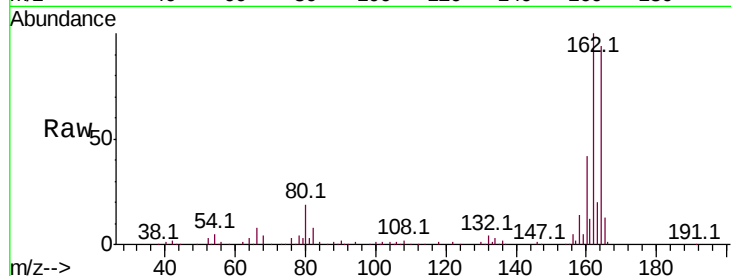
Ion Ratio Lower Upper

165 100

63 0.0 26.4 39.6#

89 1.4 47.8 71.8#

182 0.0 2.6 4.0#

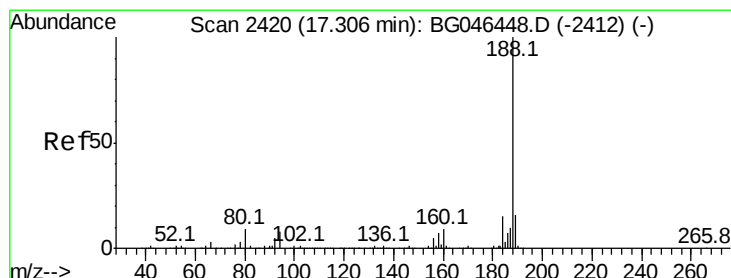
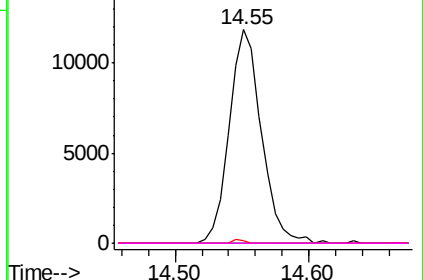
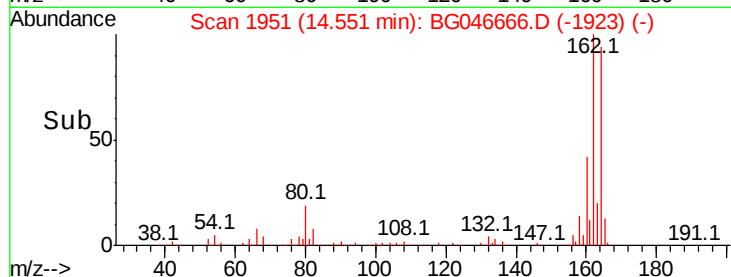


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

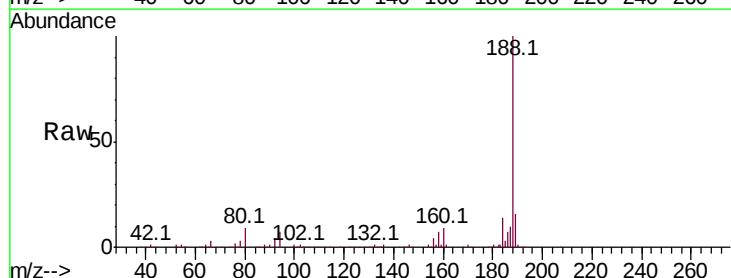
Tgt Ion:188 Resp: 407225

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

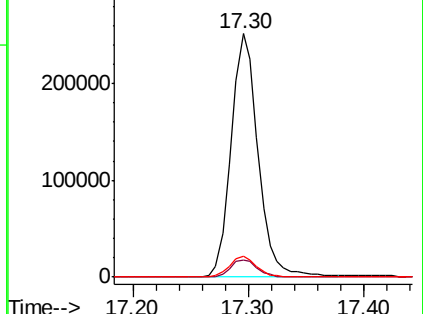
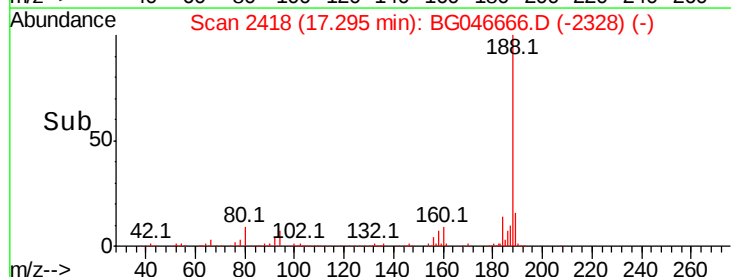
80 8.6 7.0 10.6

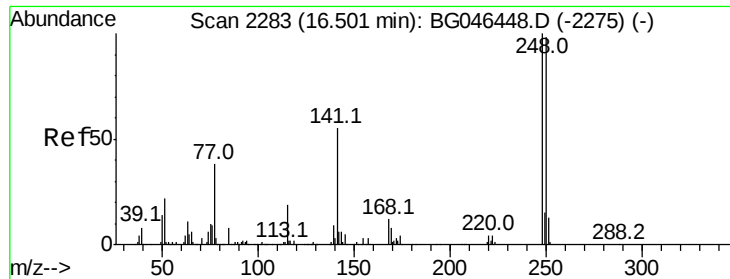


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

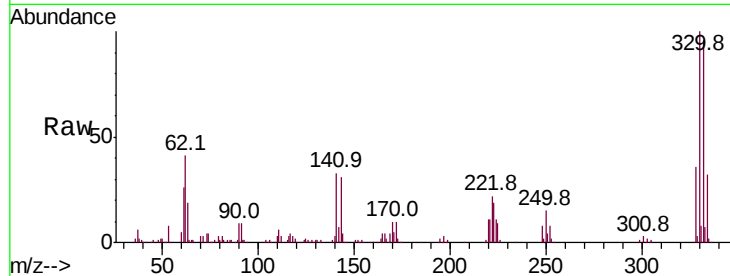




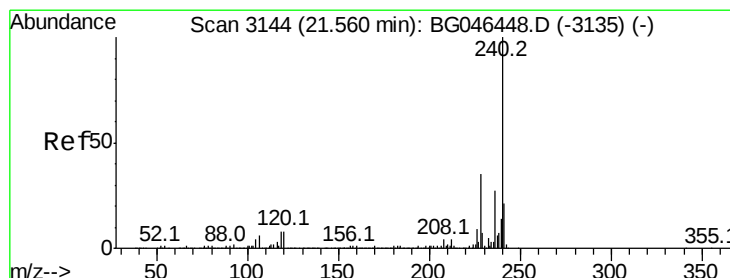
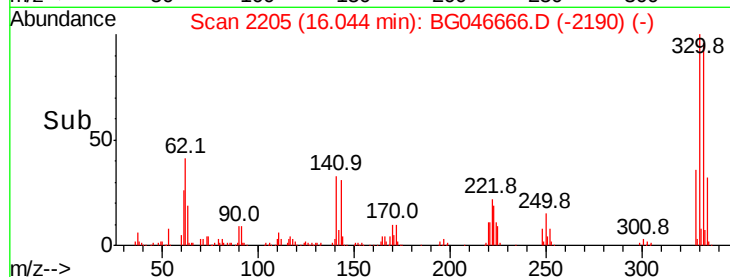
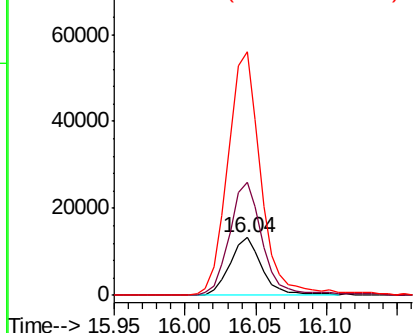
#67
4-Bromophenyl-phenylether
Concen: 4.443 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.44 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:248 Resp: 21107
Ion Ratio Lower Upper
248 100
250 194.3 78.9 118.3#
141 420.2 46.2 69.4#

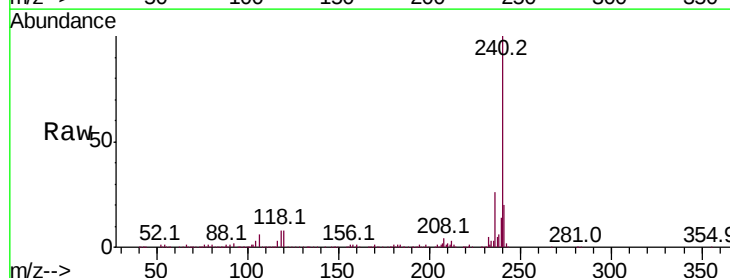


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

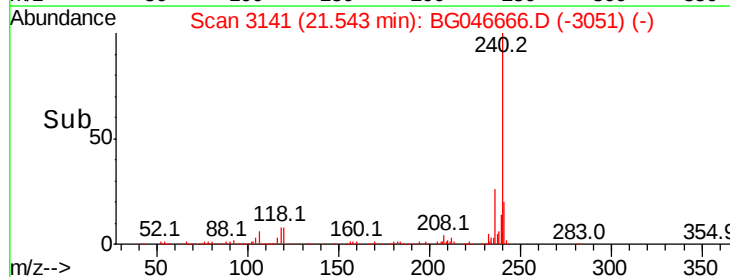
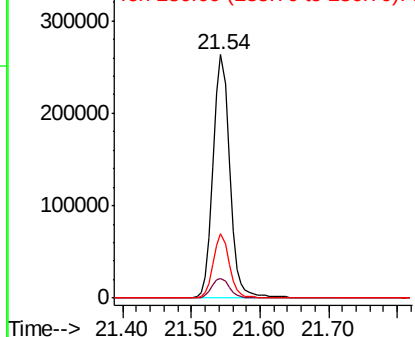


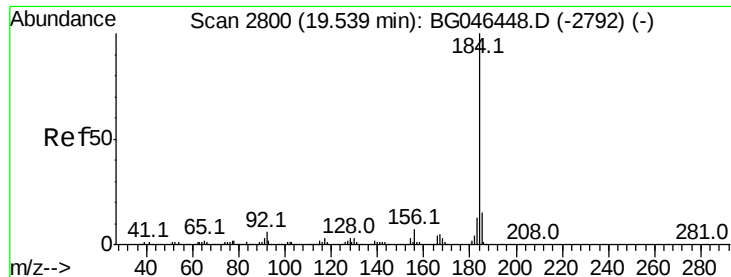
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046666.D
Acq: 17 Sep 2020 18:30

Tgt Ion:240 Resp: 446884
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.4
236 26.4 20.5 30.7



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: 2.790 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

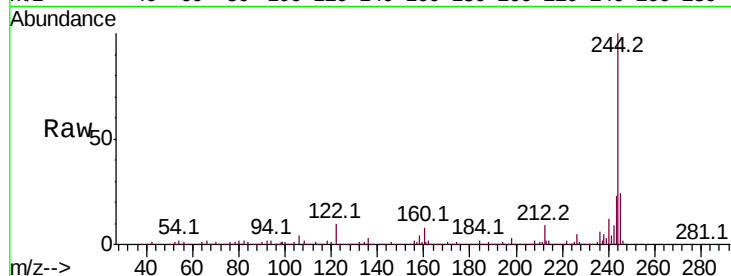
Tot Ion:184 Resp: 28975

Ion Ratio Lower Upper

184 100

185 18.5 12.4 18.6

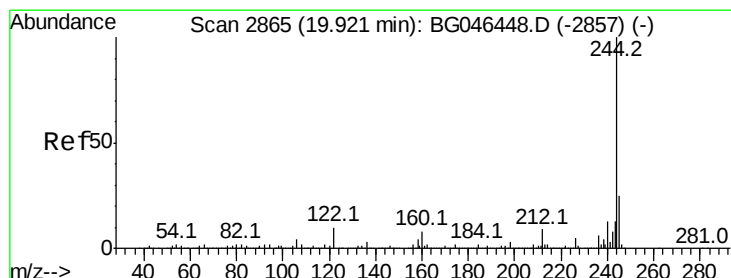
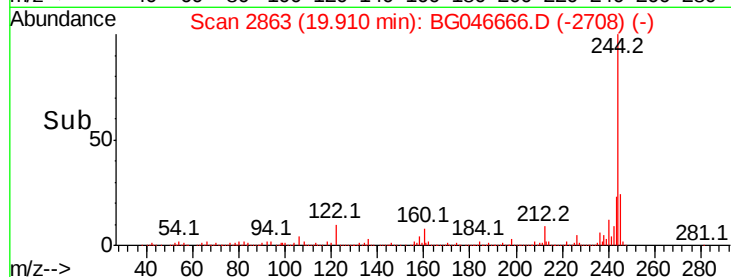
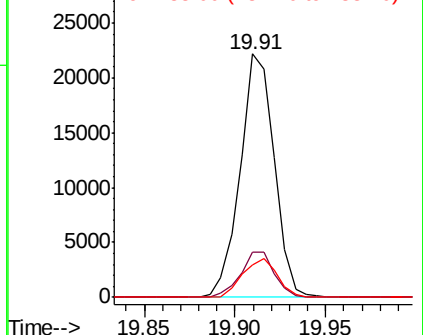
183 13.2 10.6 15.8



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: 87.876 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG046666.D

Acq: 17 Sep 2020 18:30

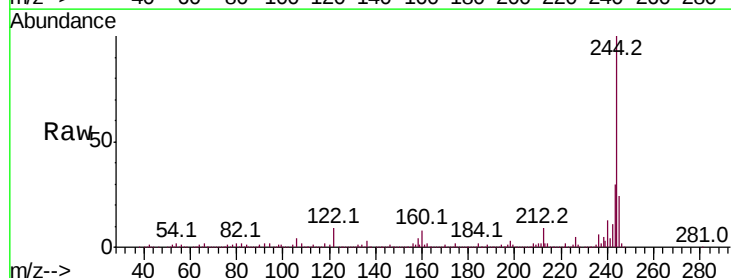
Tgt Ion:244 Resp: 1845248

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

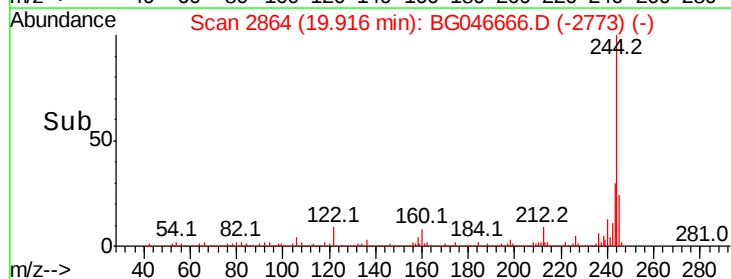
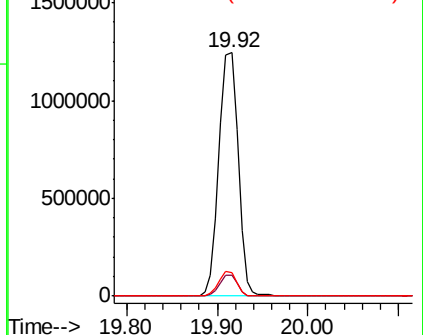
122 9.5 7.8 11.6

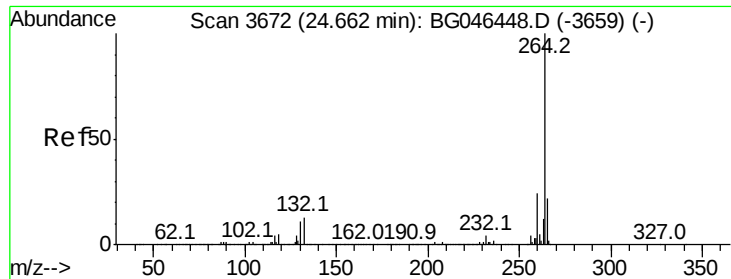


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.64 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: BG046666.D
 Acq: 17 Sep 2020 18:30

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.7	17.8	26.8

