

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG083120\
 Data File : BG046471.D
 Acq On : 31 Aug 2020 16:31
 Operator : CG/JU
 Sample : PB131309BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131309BL

Quant Time: Aug 31 17:08:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

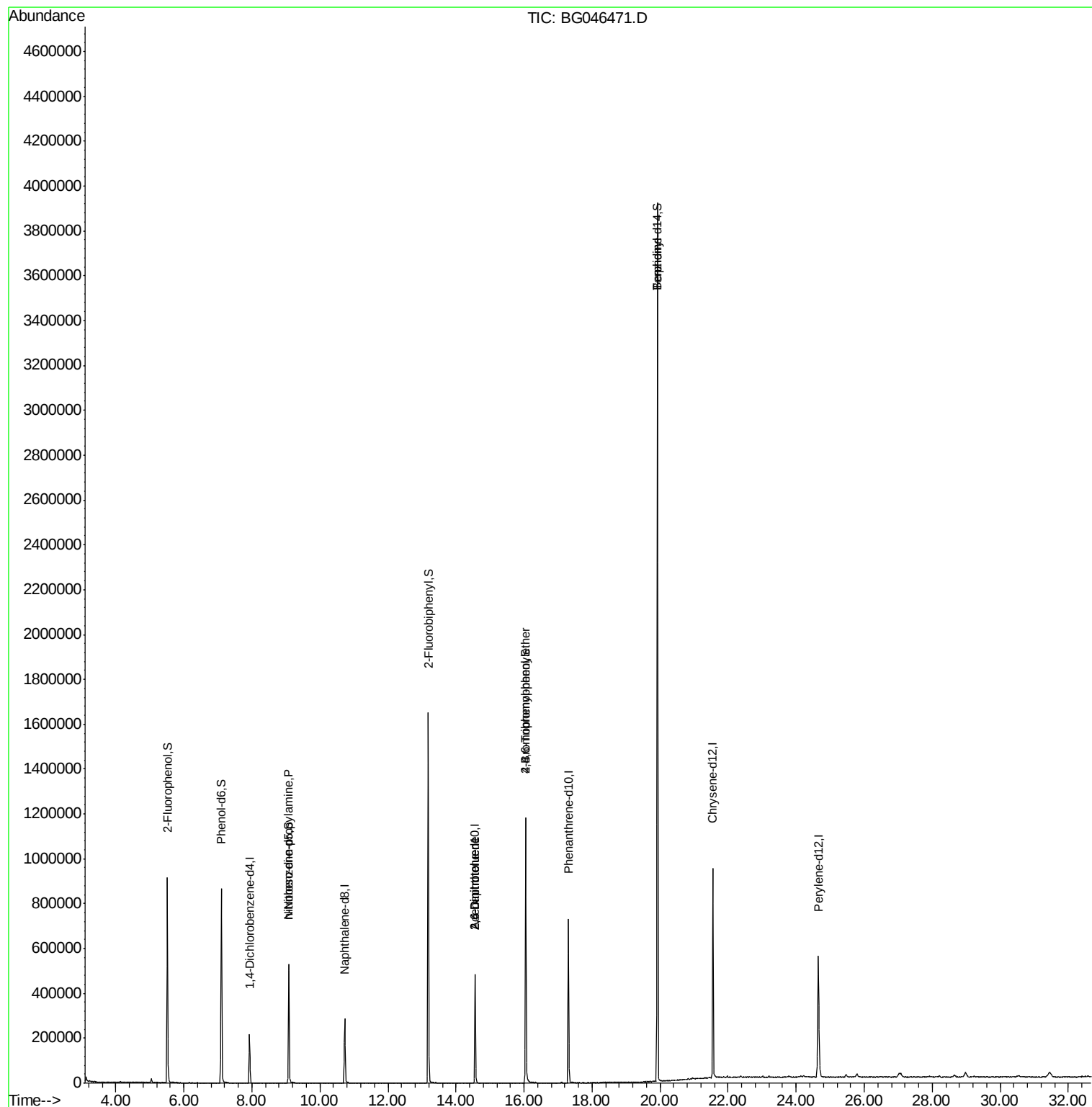
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	68007	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	274687	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	184012	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	482278	20.00	ng	0.00
76) Chrysene-d12	21.55	240	577536	20.00	ng	0.00
86) Perylene-d12	24.65	264	588905	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	435348	113.38	ng	0.00
7) Phenol-d6	7.10	99	558637	102.63	ng	0.00
23) Nitrobenzene-d5	9.08	82	352614	73.37	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	264117	105.93	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	931854	77.31	ng	0.00
79) Terphenyl-d14	19.92	244	1778001	65.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	43246	13.283	ng	# 78
51) 2,6-Dinitrotoluene	14.56	165	24283	7.738	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	24283	5.427	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	19674	3.497	ng	# 1
77) Benzidine	19.92	184	27222	2.028	ng	98

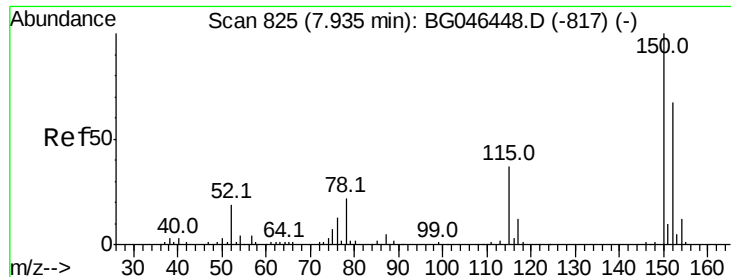
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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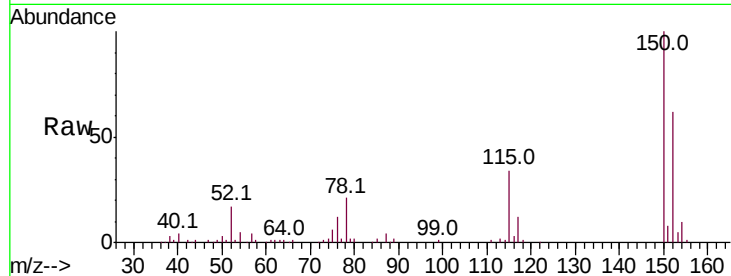


#1

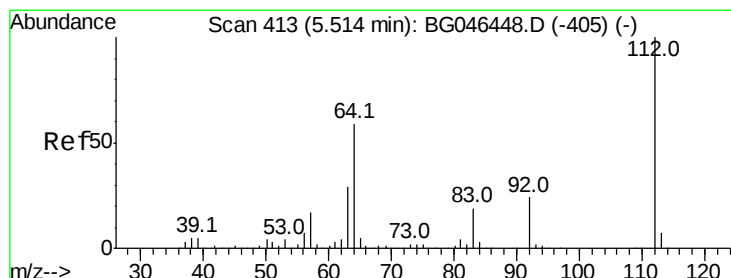
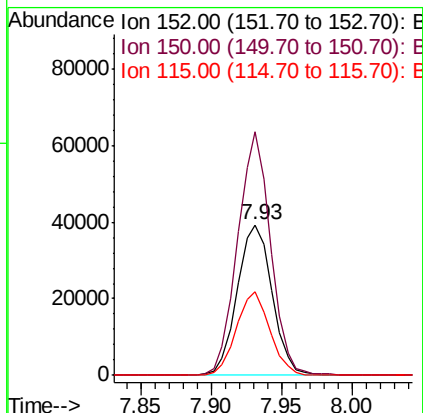
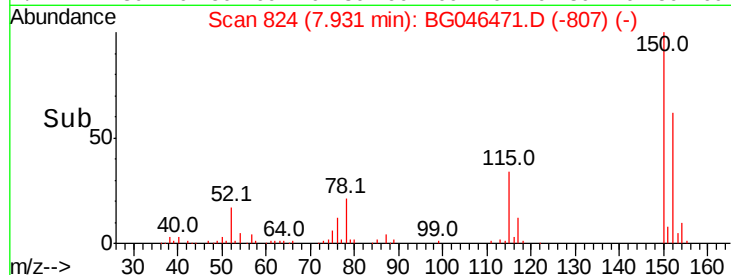
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046471.D
Acq: 31 Aug 2020 16:31

Instrument :
BNA_G
ClientSampleId :
PB131309BL

Tot Ion:152 Resp: 68007
Ion Ratio Lower Upper
152 100
150 162.0 119.5 179.3
115 55.3 44.3 66.5



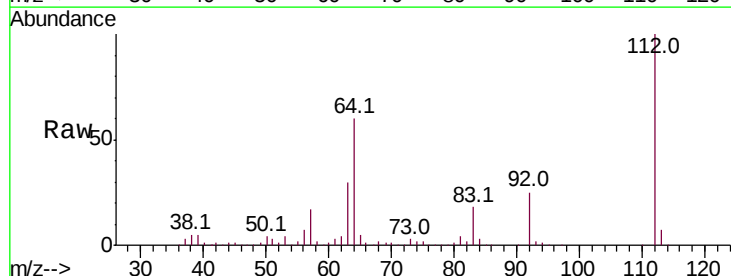
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



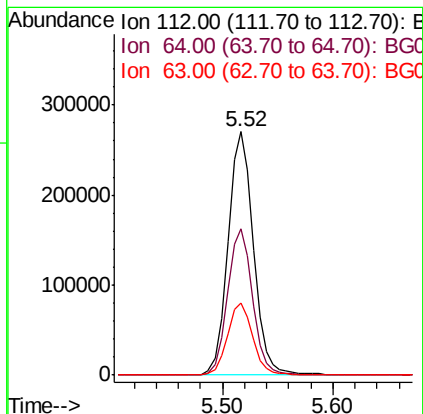
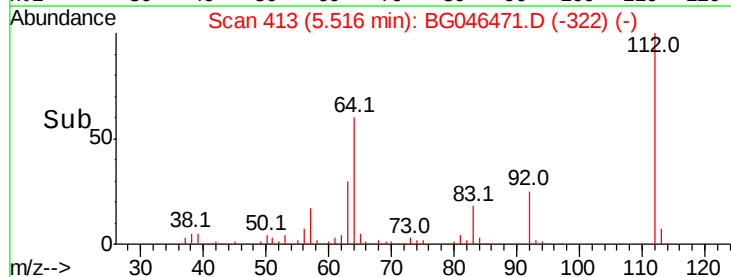
#5

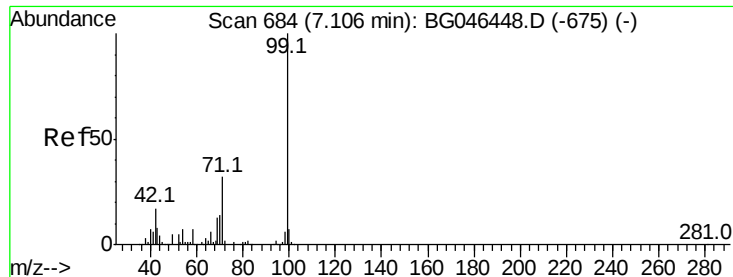
2-Fluorophenol
Concen: 113.383 ng
RT: 5.52 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046471.D
Acq: 31 Aug 2020 16:31

Tgt Ion:112 Resp: 435348
Ion Ratio Lower Upper
112 100
64 60.2 47.0 70.6
63 29.6 23.5 35.3



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: 102.633 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

PB131309BL

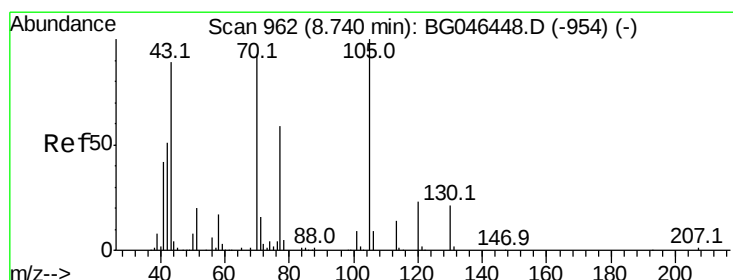
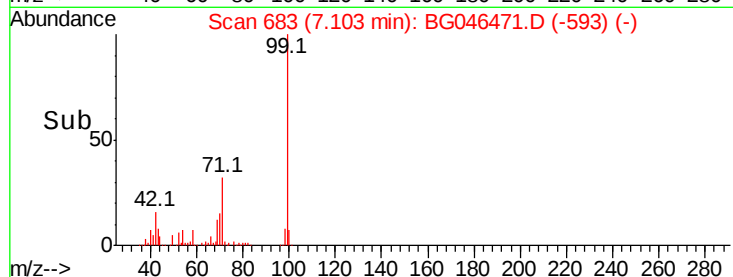
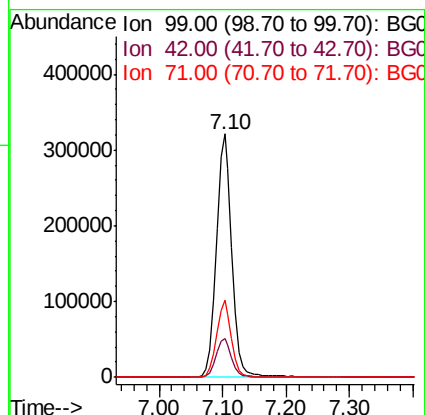
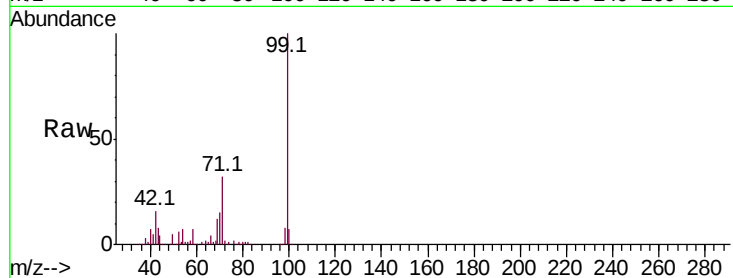
Tot Ion: 99 Resp: 558637

Ion Ratio Lower Upper

99 100

42 15.8 13.3 19.9

71 31.9 25.3 37.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.283 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Tgt Ion: 70 Resp: 43246

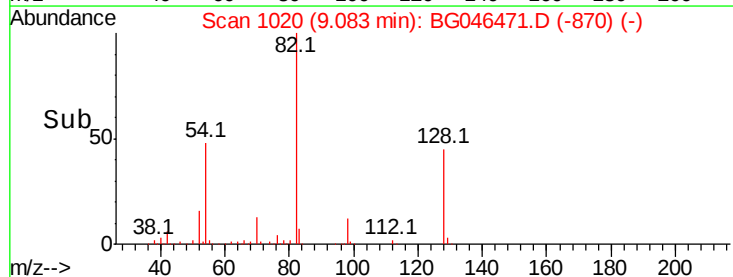
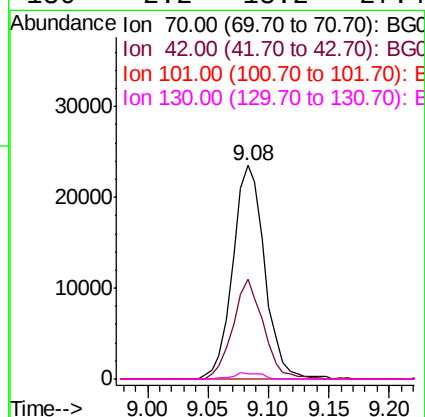
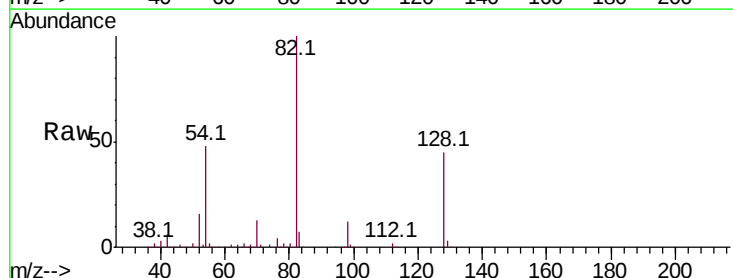
Ion Ratio Lower Upper

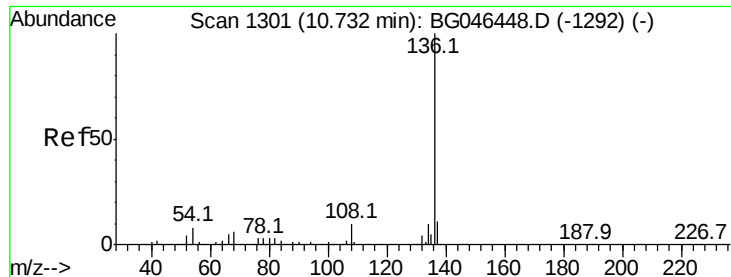
70 100

42 46.5 44.2 66.2

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

PB131309BL

Tot Ion:136 Resp: 274687

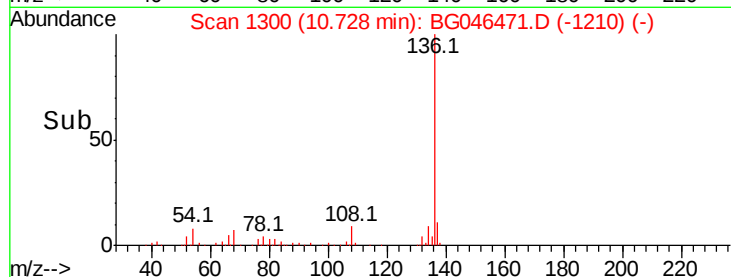
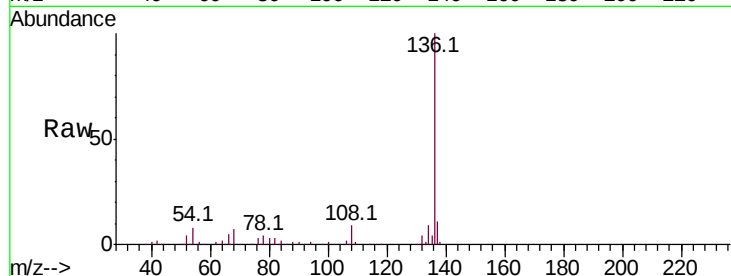
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.4 6.1 9.1

68 6.7 4.8 7.2

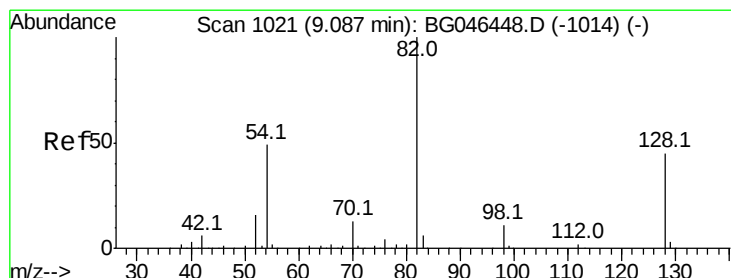
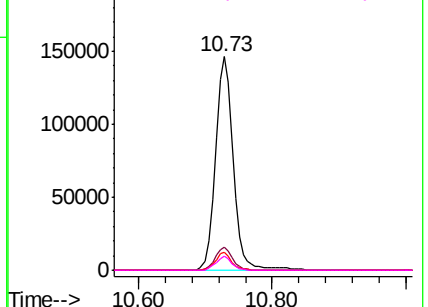


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.370 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

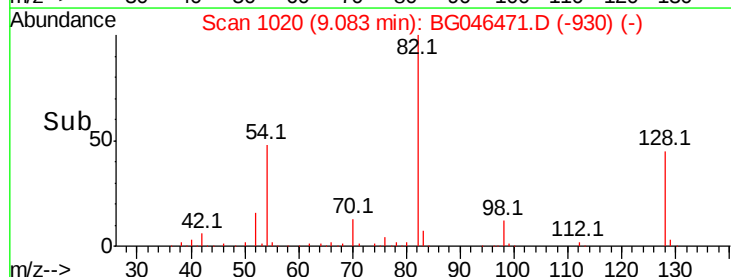
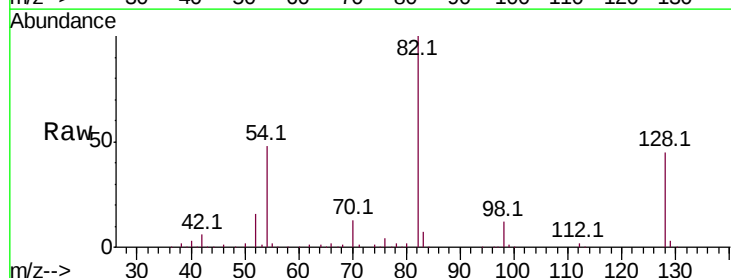
Tgt Ion: 82 Resp: 352614

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

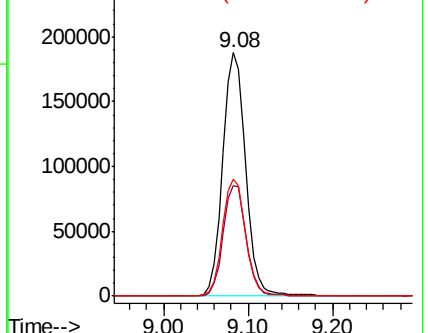
54 48.2 39.4 59.0

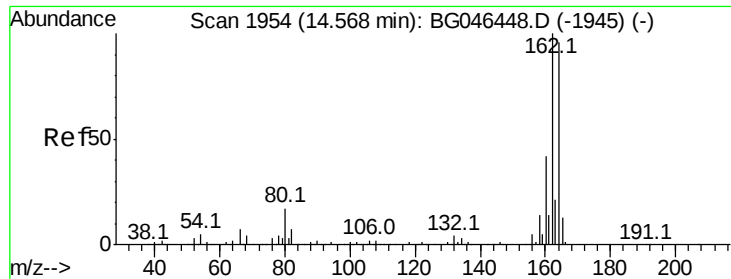


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

PB131309BL

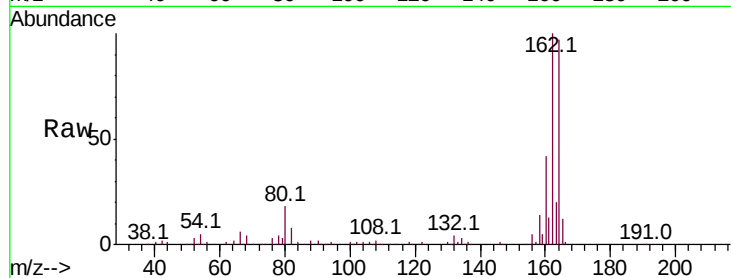
Tot Ion:164 Resp: 184012

Ion Ratio Lower Upper

164 100

162 103.1 83.3 124.9

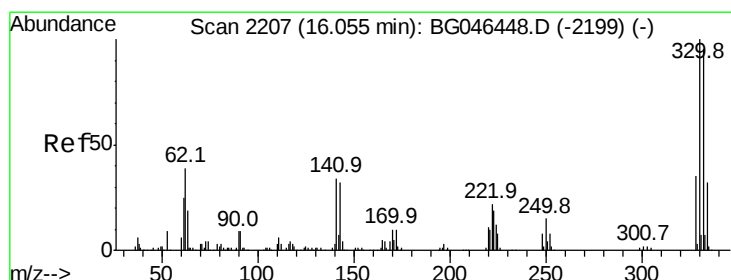
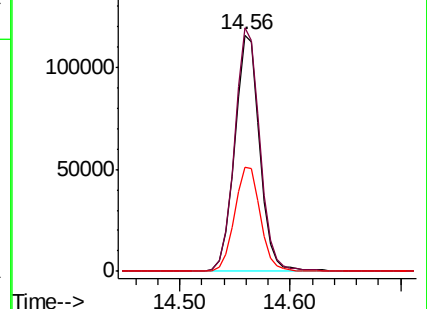
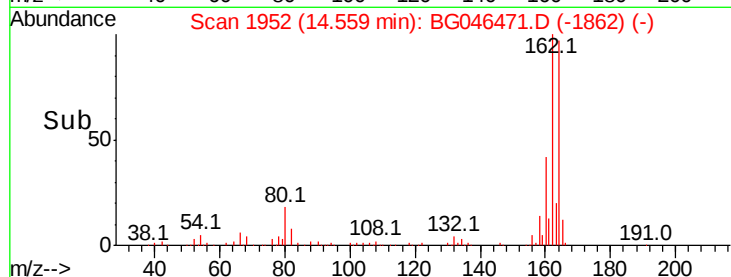
160 43.8 35.0 52.6



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: 105.933 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

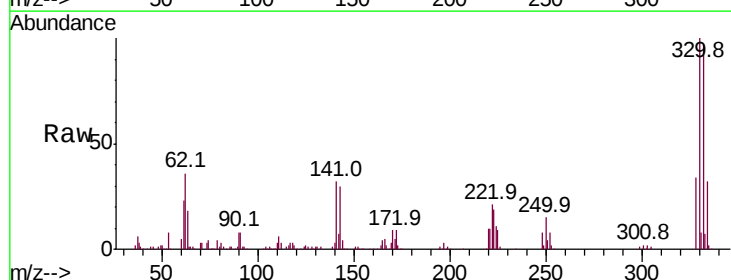
Tgt Ion:330 Resp: 264117

Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

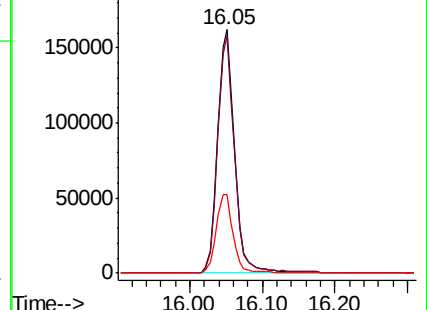
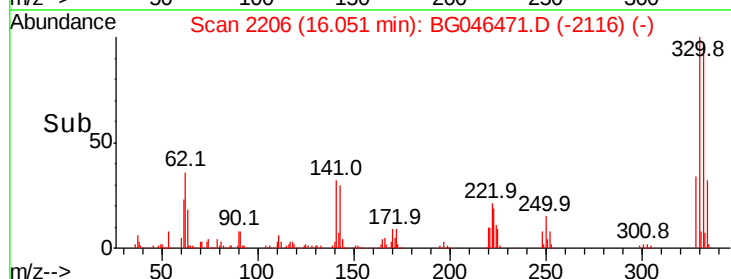
141 32.6 26.1 39.1

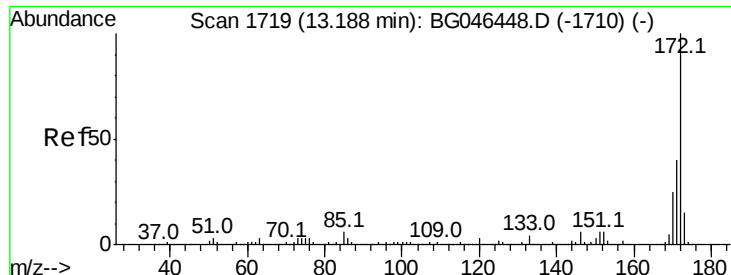


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

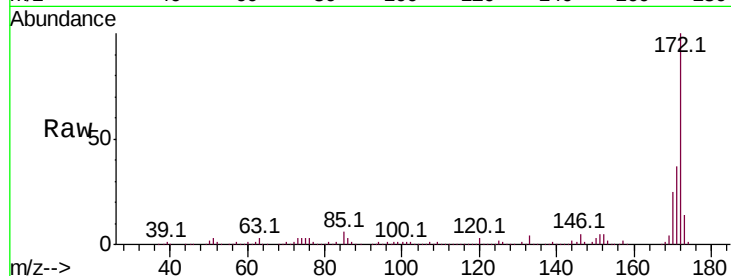




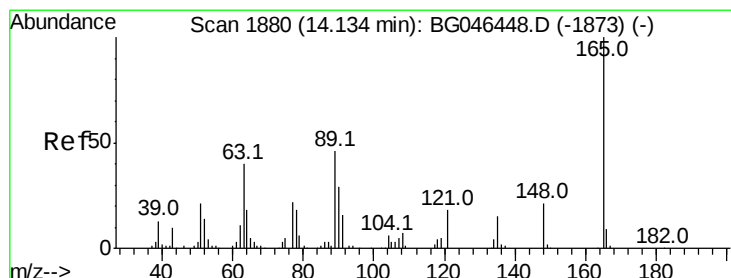
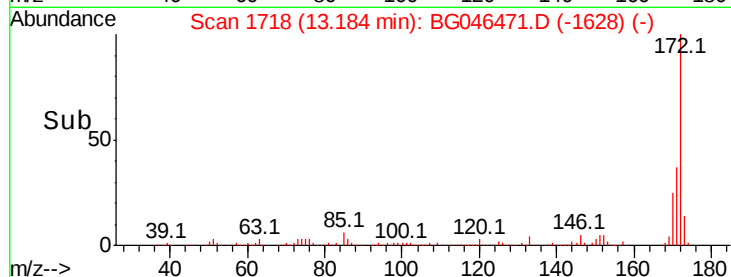
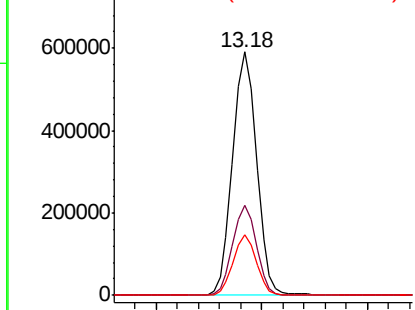
#45
 2-Fluorobiphenyl
 Concen: 77.307 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046471.D
 Acq: 31 Aug 2020 16:31

Instrument :
 BNA_G
 ClientSampleId :
 PB131309BL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.8	47.6
170	24.7	20.3	30.5

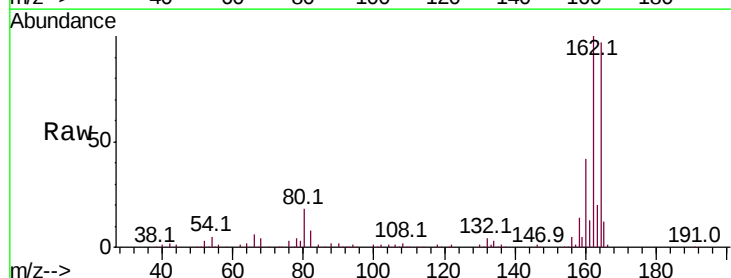


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

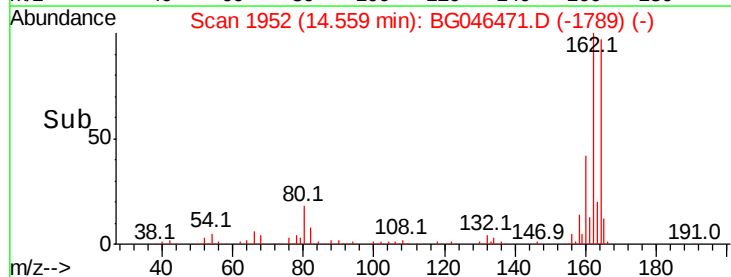
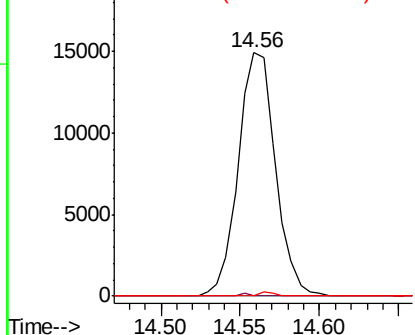


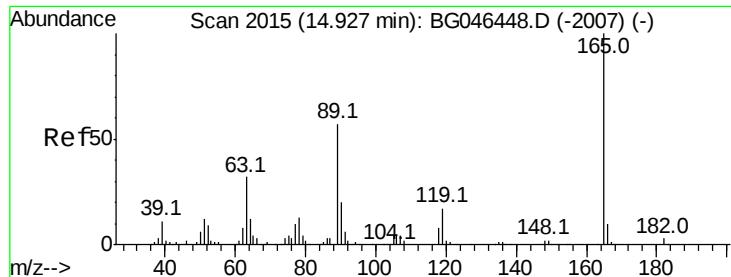
#51
 2,6-Dinitrotoluene
 Concen: 7.738 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046471.D
 Acq: 31 Aug 2020 16:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.2	51.4#
89	0.0	37.0	55.4#



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

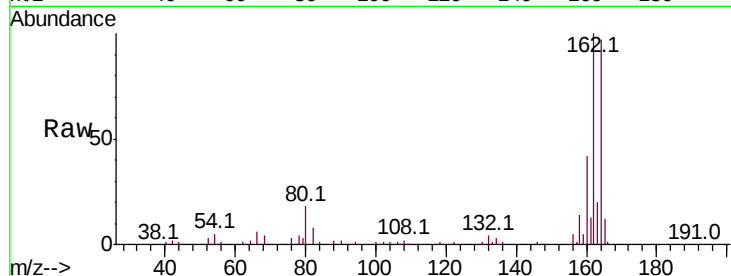




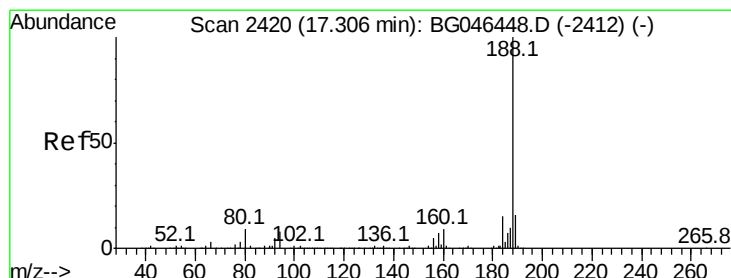
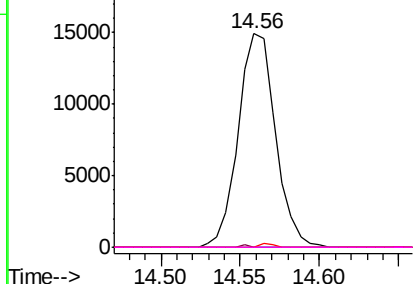
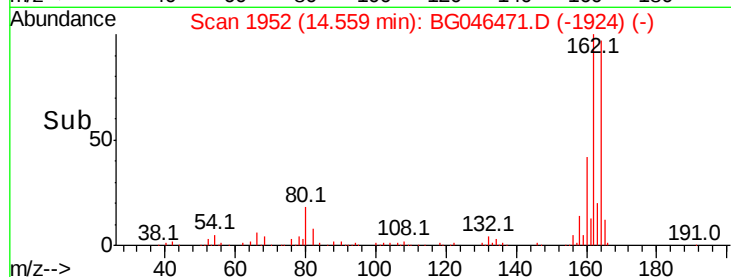
#57
 2,4-Dinitrotoluene
 Concen: 5.427 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046471.D
 Acq: 31 Aug 2020 16:31

Instrument :
 BNA_G
 ClientSampleId :
 PB131309BL

Tot Ion:165 Resp: 24283
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 45.9 68.9#
 182 0.0 2.3 3.5#

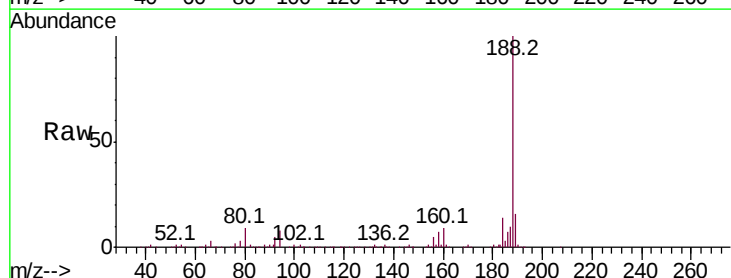


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

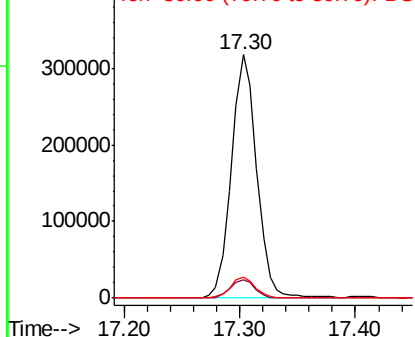
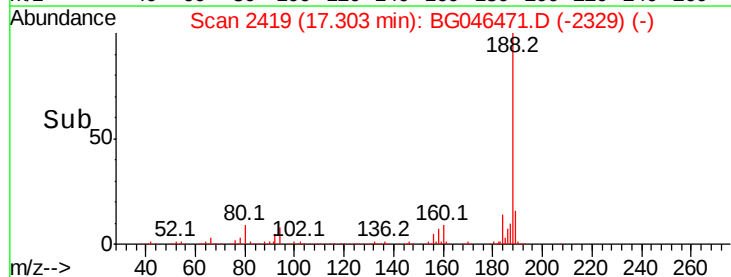


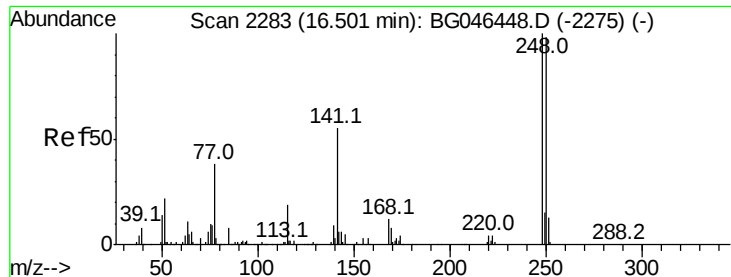
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046471.D
 Acq: 31 Aug 2020 16:31

Tgt Ion:188 Resp: 482278
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.3 9.5
 80 8.7 6.9 10.3



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: 3.497 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

PB131309BL

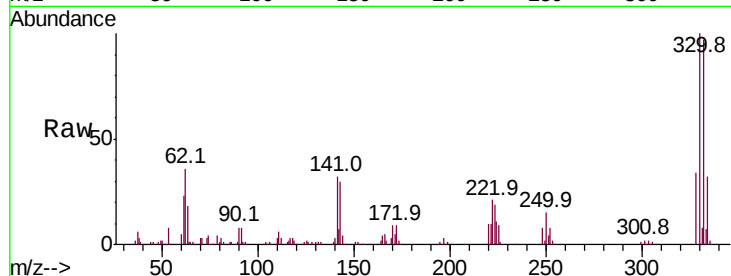
Tot Ion:248 Resp: 19674

Ion Ratio Lower Upper

248 100

250 204.0 78.6 118.0#

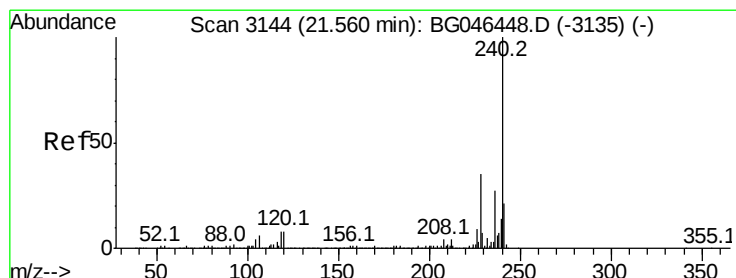
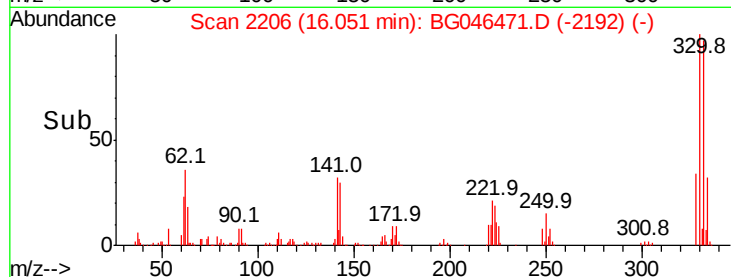
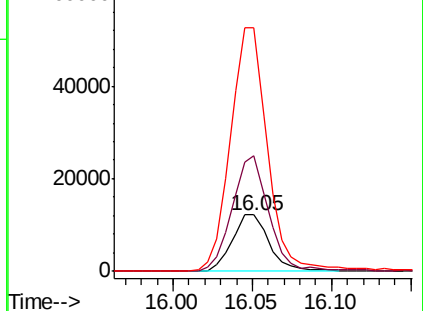
141 429.7 43.9 65.9#



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: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

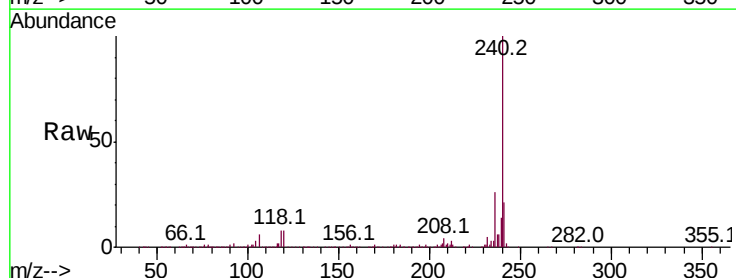
Tgt Ion:240 Resp: 577536

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

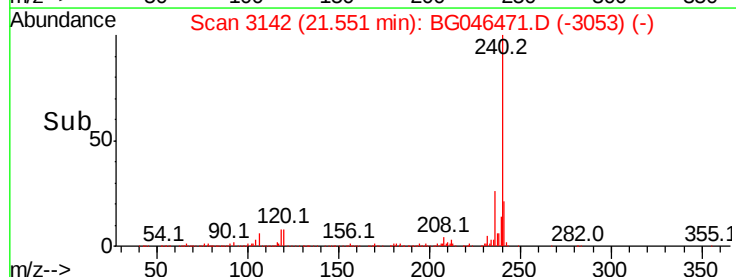
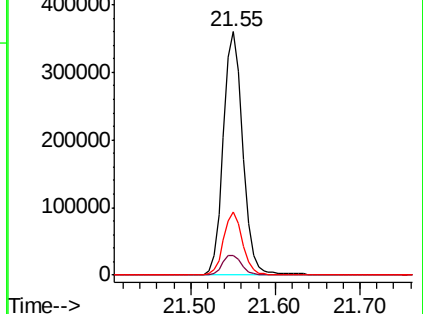
236 25.9 21.4 32.2

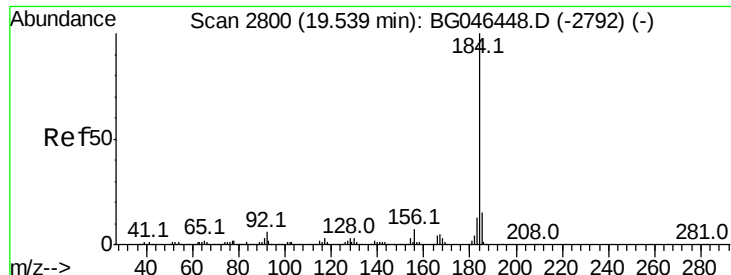


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.028 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

PB131309BL

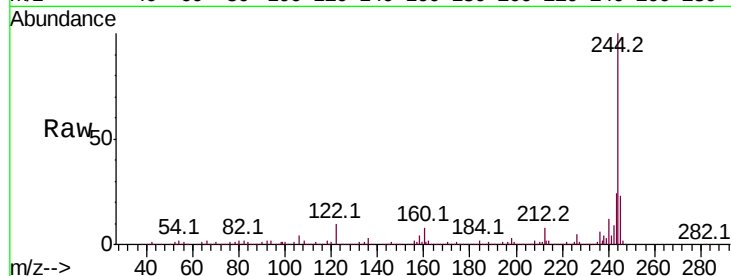
Tot Ion:184 Resp: 27222

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

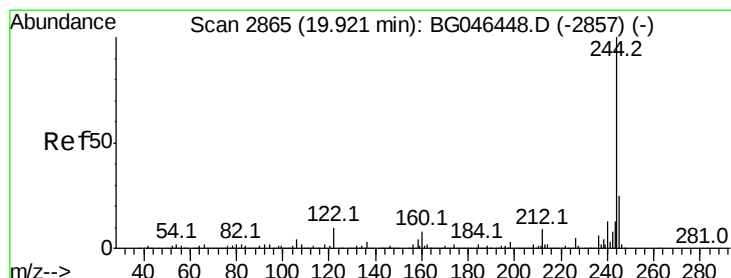
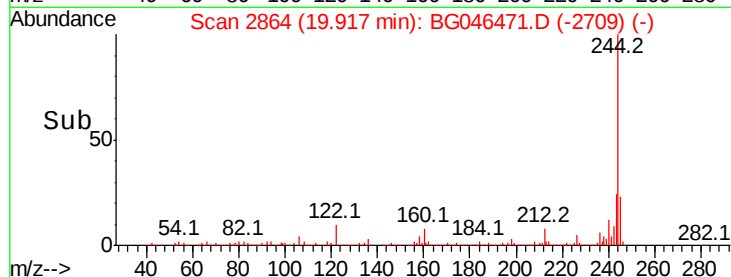
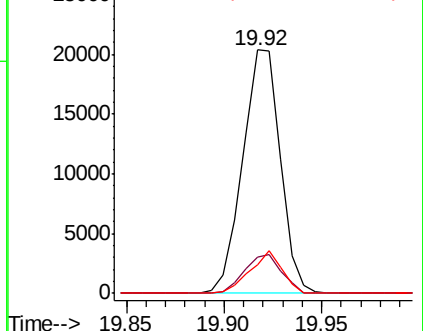
183 11.8 10.7 16.1



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: 65.518 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046471.D

Acq: 31 Aug 2020 16:31

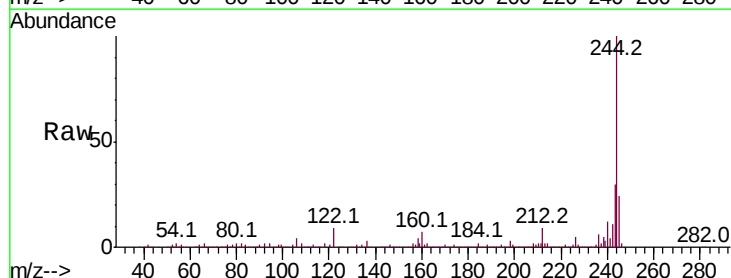
Tgt Ion:244 Resp: 1778001

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

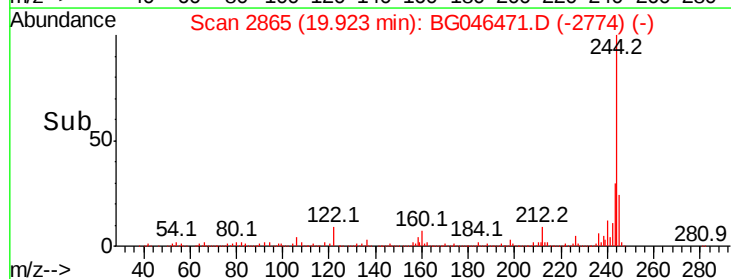
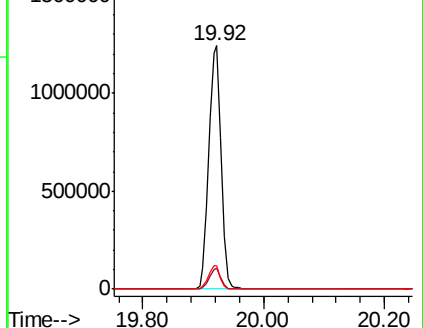
122 9.4 8.2 12.4

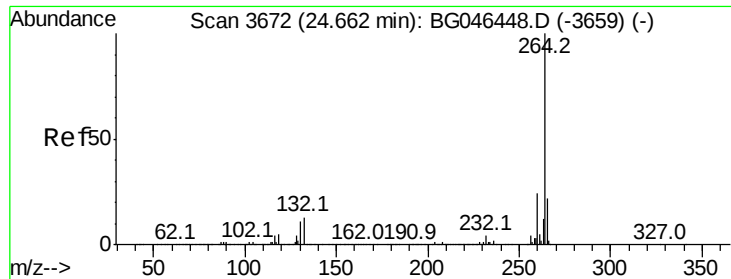


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.65 min Scan# 3670
 Delta R.T. -0.00 min
 Lab File: BG046471.D
 Acq: 31 Aug 2020 16:31

Instrument :
 BNA_G
 ClientSampleId :
 PB131309BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.9	26.9

