

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090920\
 Data File : BG046571.D
 Acq On : 9 Sep 2020 13:48
 Operator : CG/JU
 Sample : PB131497BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131497BL

Quant Time: Sep 09 14:29:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

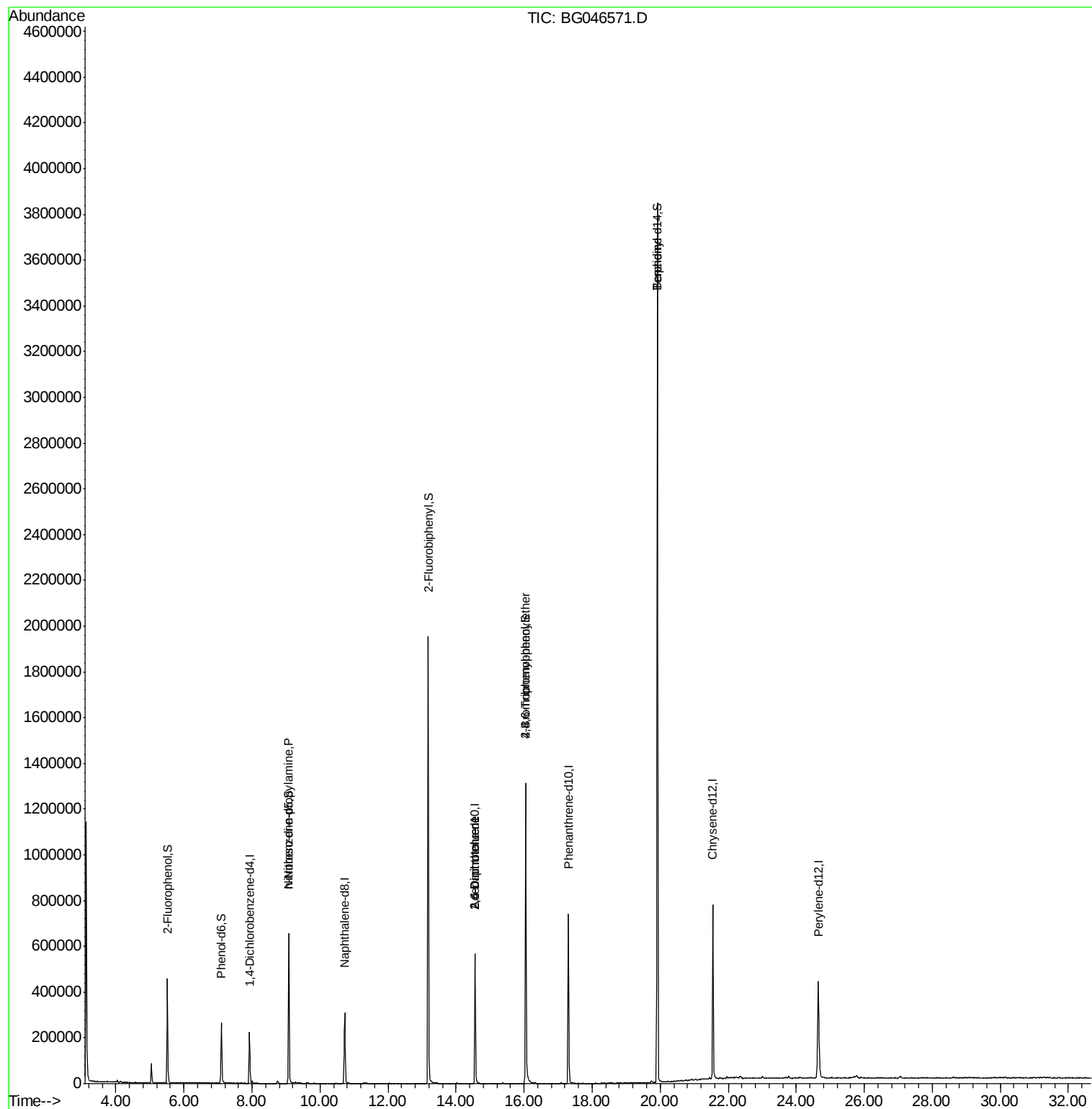
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	72330	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	295240	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	215106	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	513444	20.00	ng	0.00
76) Chrysene-d12	21.55	240	504227	20.00	ng	0.00
86) Perylene-d12	24.65	264	487764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	220997	54.12	ng	0.00
7) Phenol-d6	7.10	99	183270	31.66	ng	0.00
23) Nitrobenzene-d5	9.08	82	420984	81.50	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	299470	102.75	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1134849	80.54	ng	0.00
79) Terphenyl-d14	19.92	244	1796859	75.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	53341	15.404	ng	# 73
51) 2,6-Dinitrotoluene	14.56	165	29020	7.911	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	29020	5.548	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	23256	3.882	ng	# 1
77) Benzidine	19.92	184	27209	2.322	ng	# 93

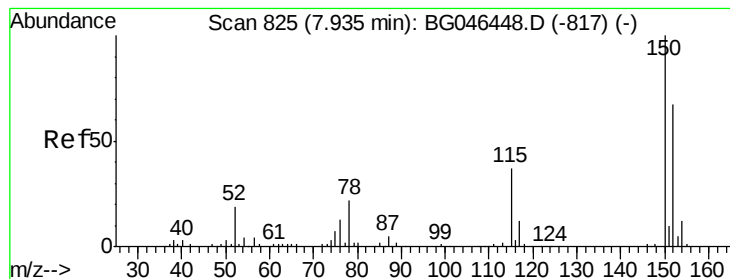
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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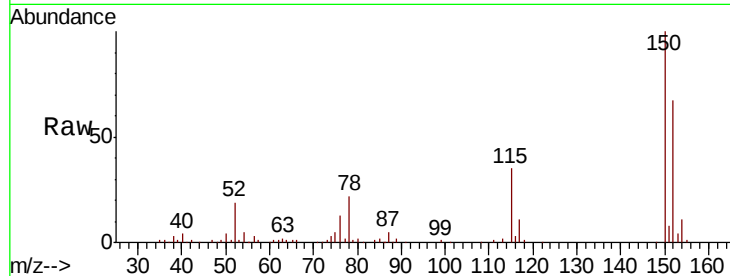


#1

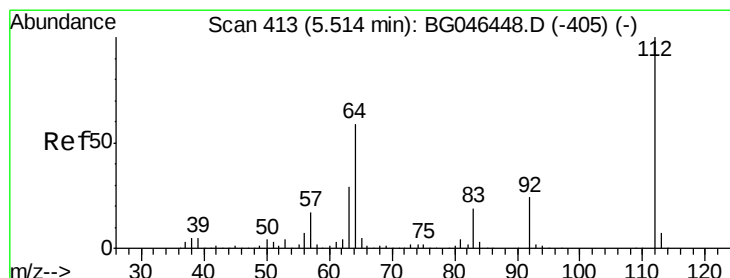
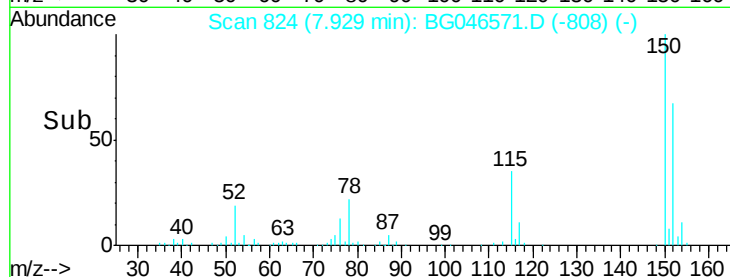
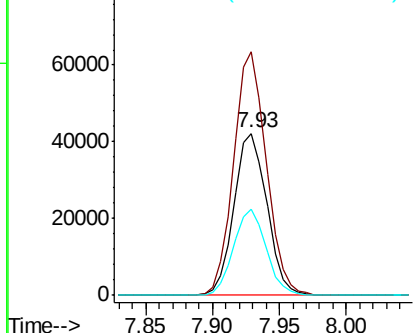
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Instrument :
BNA_G
ClientSampleId :
PB131497BL

Tot Ion:152 Resp: 72330
Ion Ratio Lower Upper
152 100
150 150.0 119.5 179.3
115 53.3 44.3 66.5



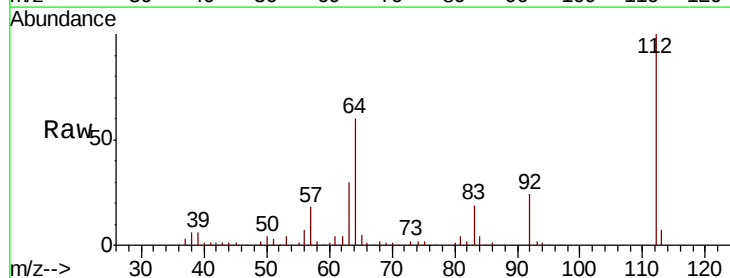
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



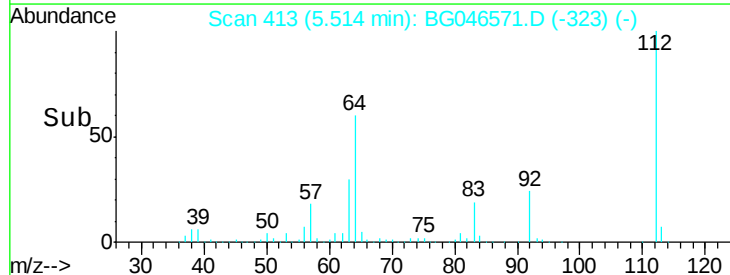
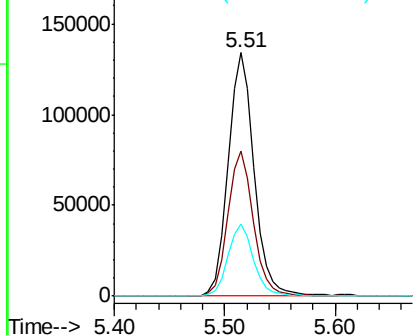
#5

2-Fluorophenol
Concen: 54.117 ng
RT: 5.51 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Tgt Ion:112 Resp: 220997
Ion Ratio Lower Upper
112 100
64 59.7 47.0 70.6
63 29.8 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: 31.658 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

Instrument :

BNA_G

ClientSampleId :

PB131497BL

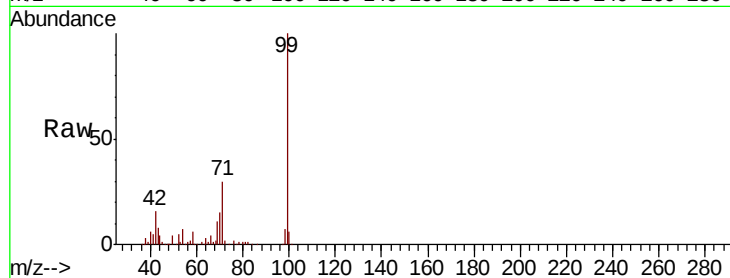
Tot Ion: 99 Resp: 183270

Ion Ratio Lower Upper

99 100

42 16.1 13.3 19.9

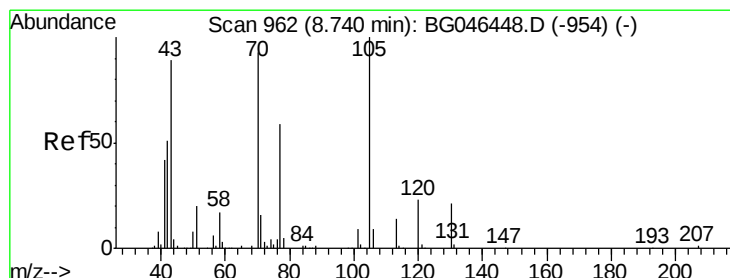
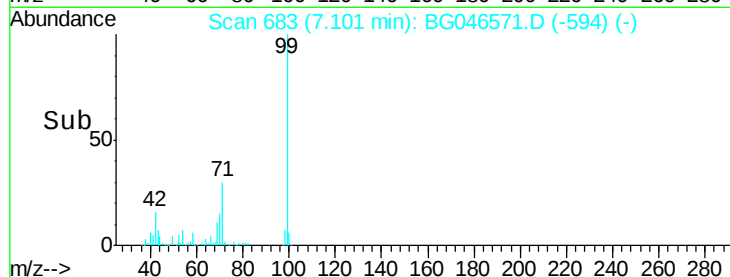
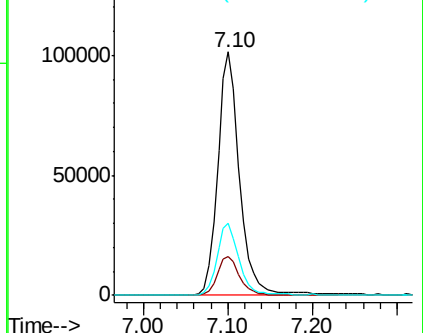
71 29.6 25.3 37.9



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: 15.404 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

Tgt Ion: 70 Resp: 53341

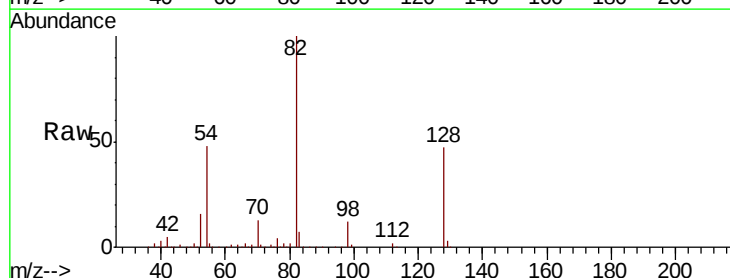
Ion Ratio Lower Upper

70 100

42 39.8 44.2 66.2#

101 0.0 7.8 11.8#

130 2.1 18.2 27.4#

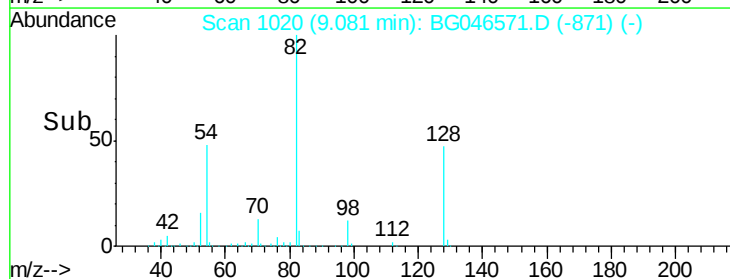
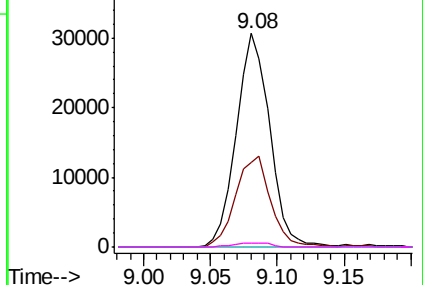


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

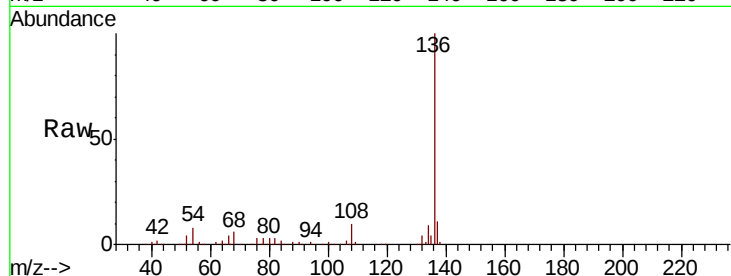




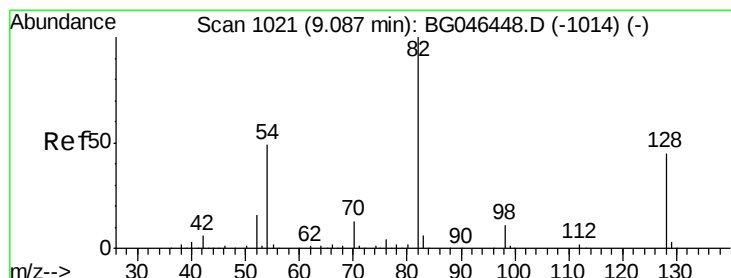
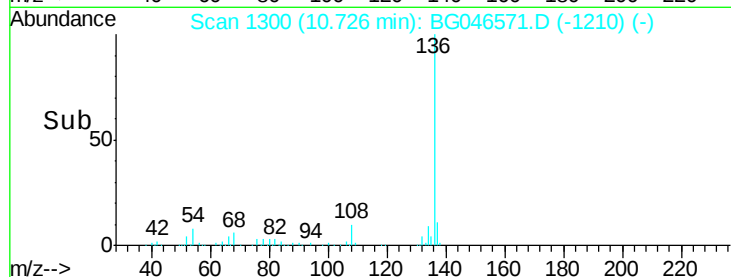
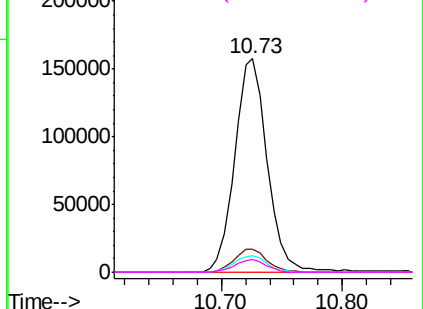
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Instrument :
BNA_G
ClientSampleId :
PB131497BL

Tot Ion:136	Resp:	295240
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 7.9	6.1	9.1
68 6.2	4.8	7.2

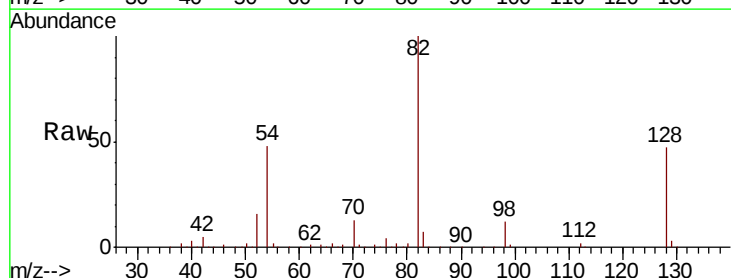


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

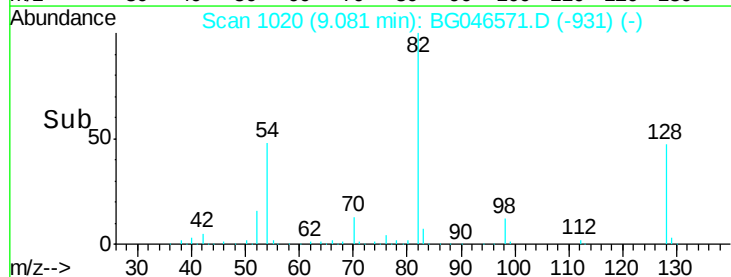
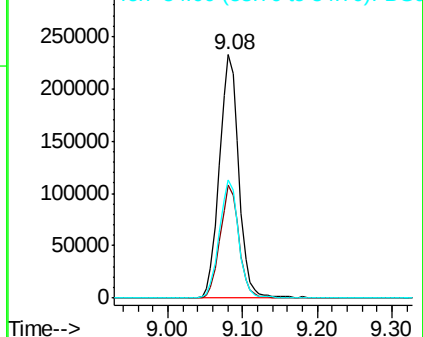


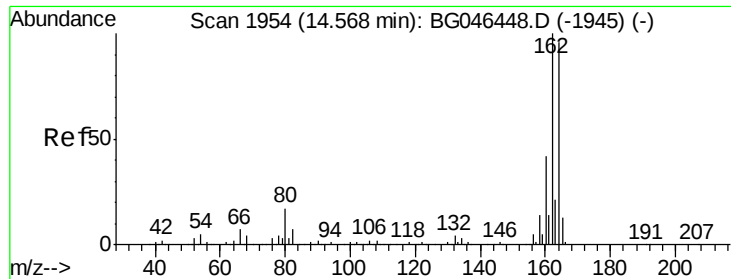
#23
Nitrobenzene-d5
Concen: 81.498 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Tgt	Ion: 82	Resp:	420984
Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.7	53.5
54	48.4	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. -0.01 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

Instrument :

BNA_G

ClientSampleId :

PB131497BL

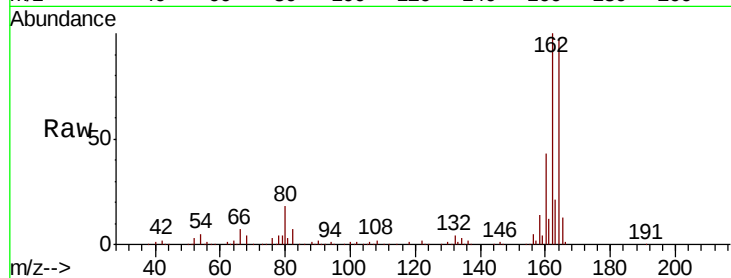
Tot Ion:164 Resp: 215106

Ion Ratio Lower Upper

164 100

162 103.3 83.3 124.9

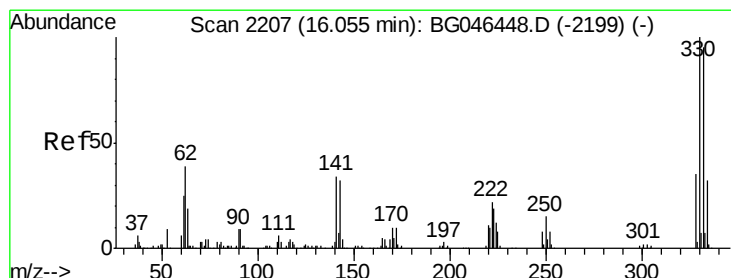
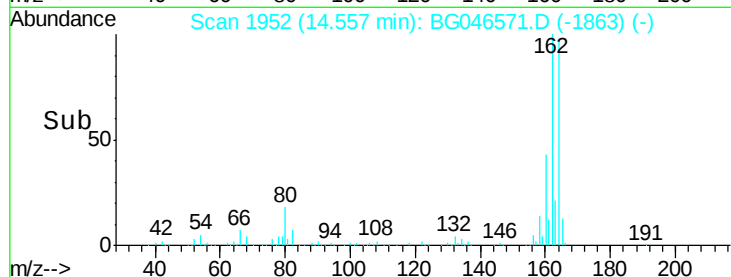
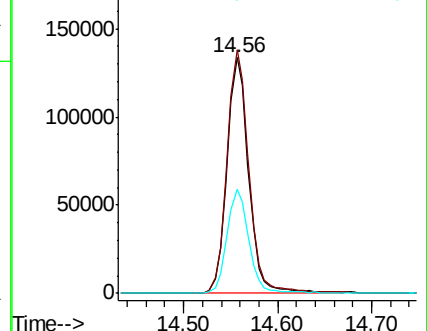
160 44.1 35.0 52.6



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: 102.750 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

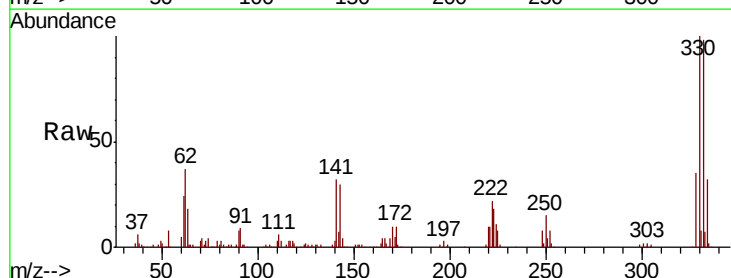
Tgt Ion:330 Resp: 299470

Ion Ratio Lower Upper

330 100

332 97.4 76.1 114.1

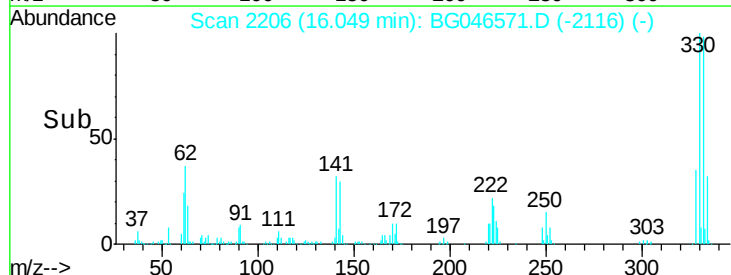
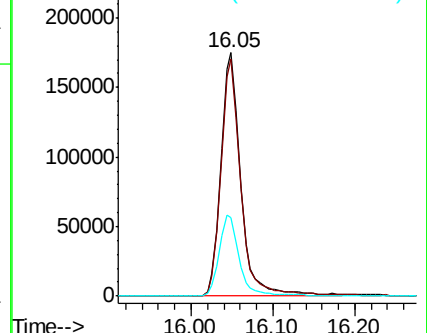
141 33.7 26.1 39.1

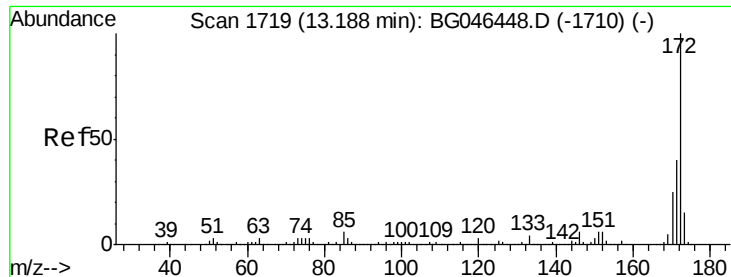


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

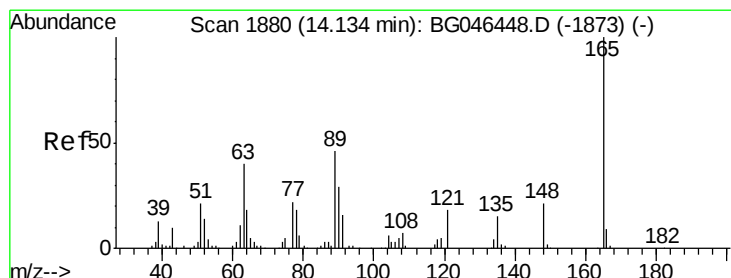
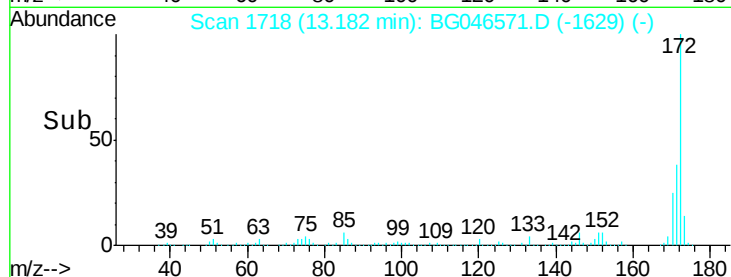
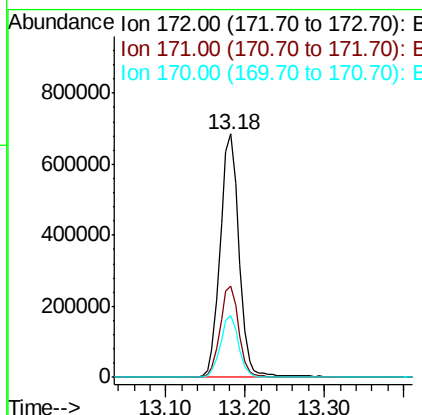
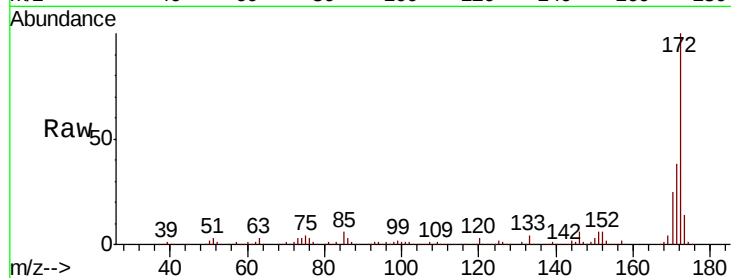




#45
2-Fluorobiphenyl
Concen: 80.538 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

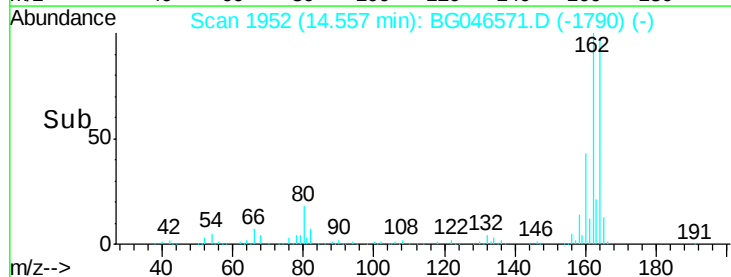
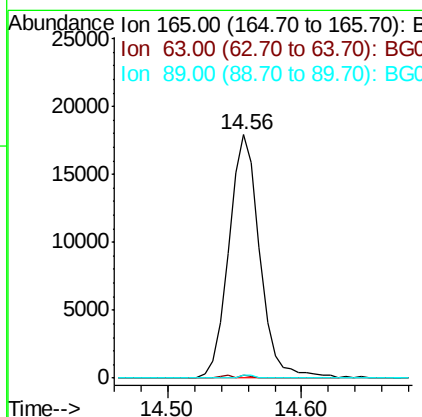
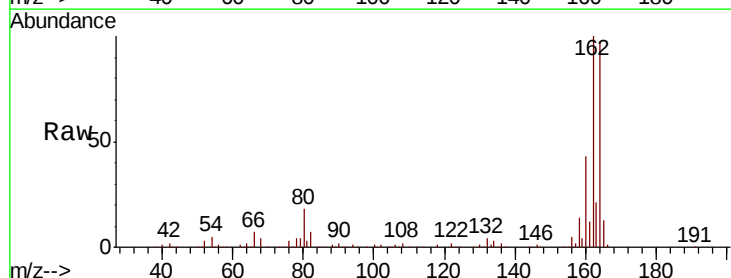
Instrument :
BNA_G
ClientSampleId :
PB131497BL

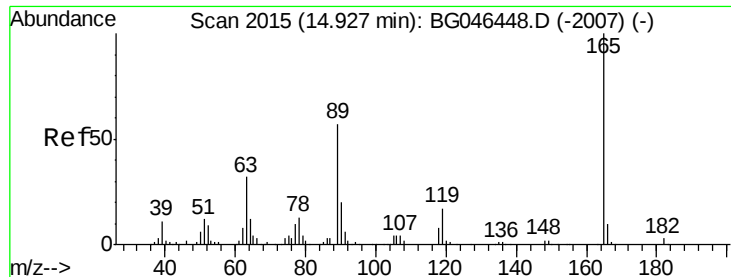
Tot Ion:172 Resp: 1134849
Ion Ratio Lower Upper
172 100
171 37.6 31.8 47.6
170 25.3 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 7.911 ng
RT: 14.56 min Scan# 1952
Delta R.T. 0.42 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Tgt Ion:165 Resp: 29020
Ion Ratio Lower Upper
165 100
63 1.2 34.2 51.4#
89 1.2 37.0 55.4#

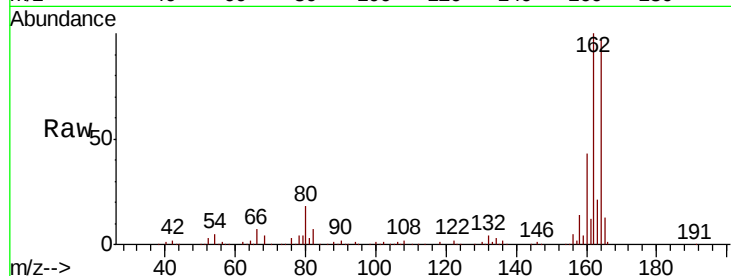




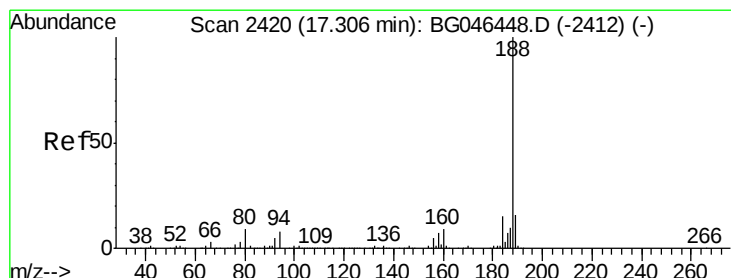
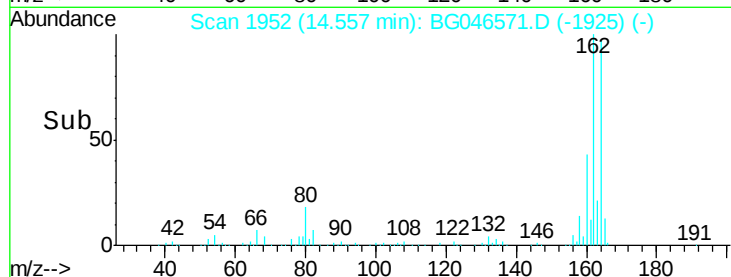
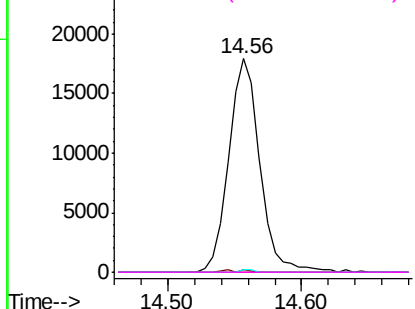
#57
 2,4-Dinitrotoluene
 Concen: 5.548 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046571.D
 Acq: 9 Sep 2020 13:48

Instrument :
 BNA_G
 ClientSampleId :
 PB131497BL

Tot Ion:165 Resp: 29020
 Ion Ratio Lower Upper
 165 100
 63 1.2 25.4 38.0#
 89 1.2 45.9 68.9#
 182 0.0 2.3 3.5#

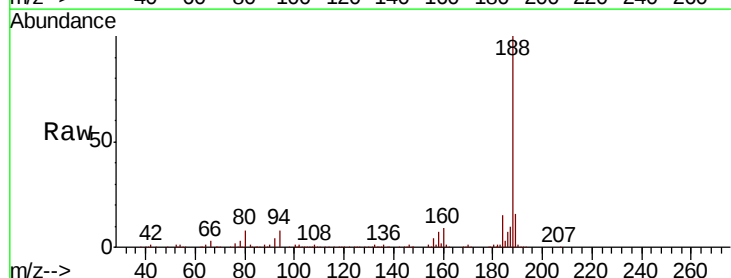


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

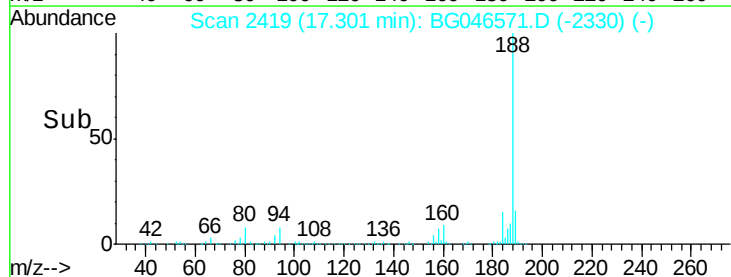
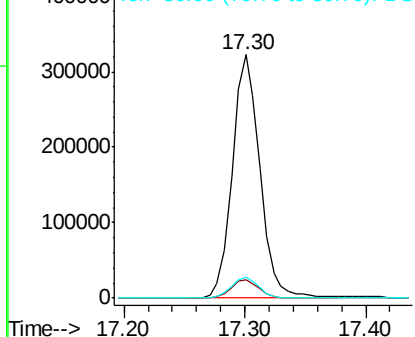


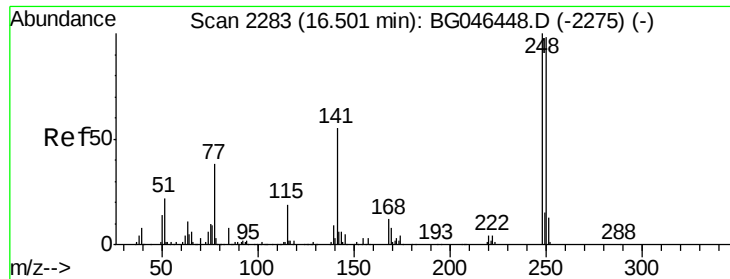
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG046571.D
 Acq: 9 Sep 2020 13:48

Tgt Ion:188 Resp: 513444
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.3 9.5
 80 8.4 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

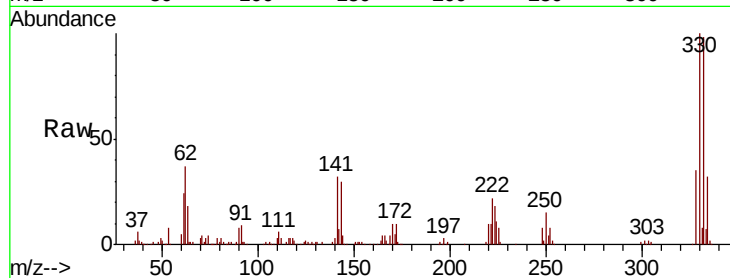




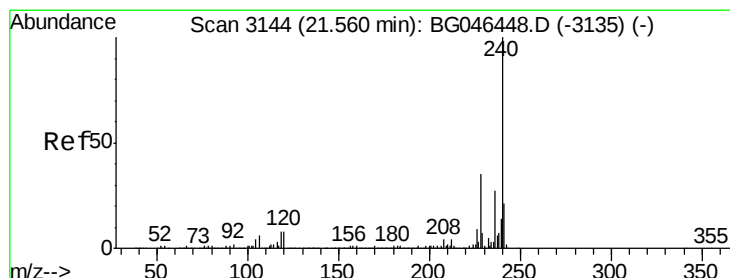
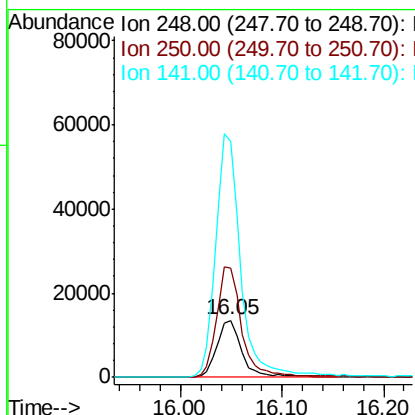
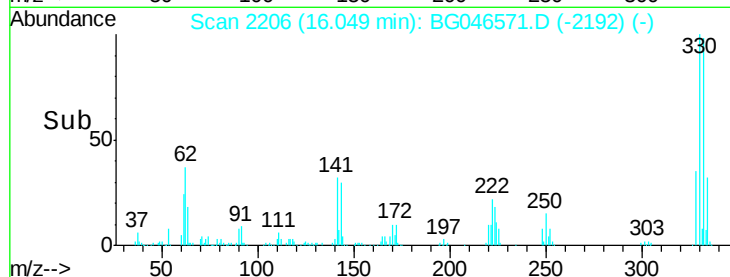
#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Instrument :
BNA_G
ClientSampleId :
PB131497BL

Tot Ion:248 Resp: 23256
Ion Ratio Lower Upper
248 100
250 192.2 78.6 118.0#
141 416.3 43.9 65.9#

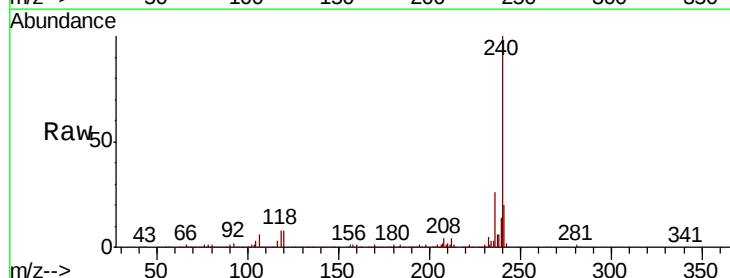


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

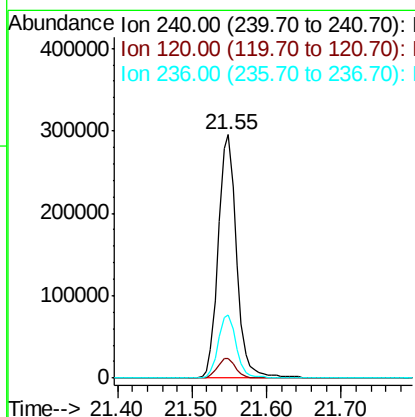
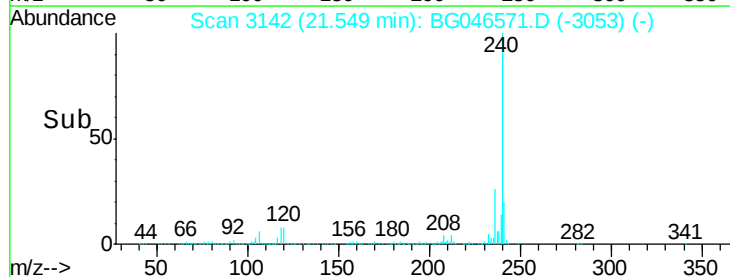


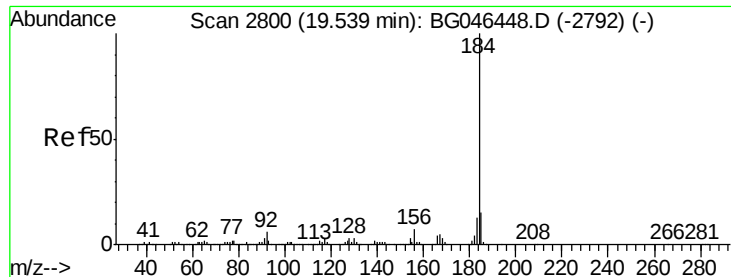
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Tgt Ion:240 Resp: 504227
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.2 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: 2.322 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

Instrument :

BNA_G

ClientSampled :

PB131497BL

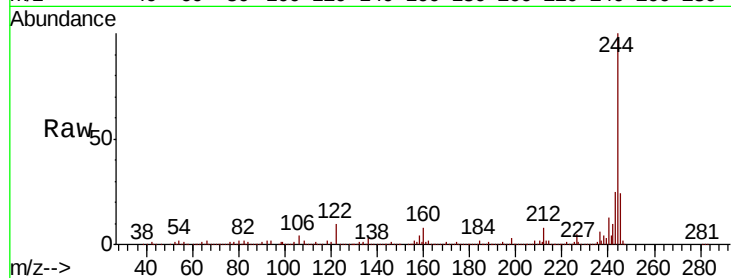
Tot Ion:184 Resp: 27209

Ion Ratio Lower Upper

184 100

185 18.4 11.8 17.8#

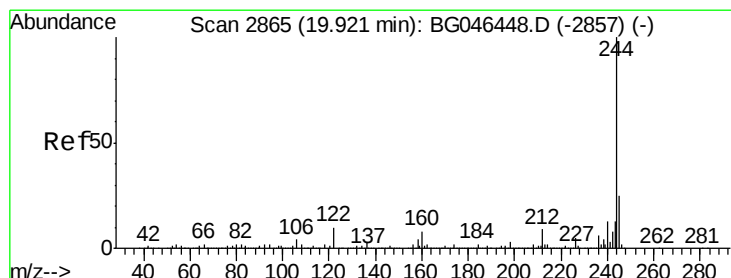
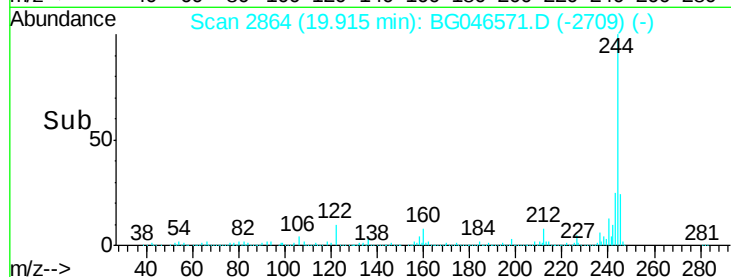
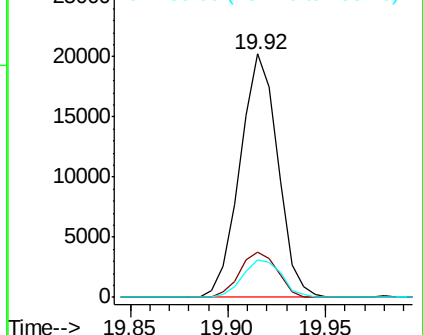
183 15.6 10.7 16.1



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: 75.840 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG046571.D

Acq: 9 Sep 2020 13:48

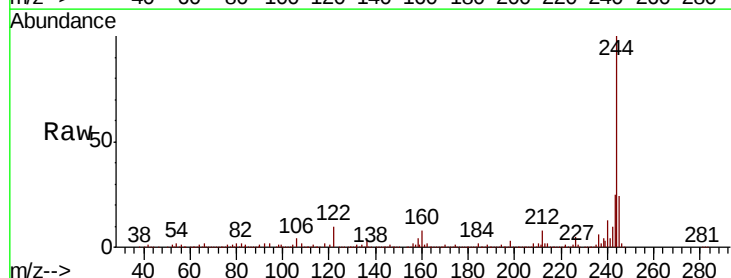
Tgt Ion:244 Resp: 1796859

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

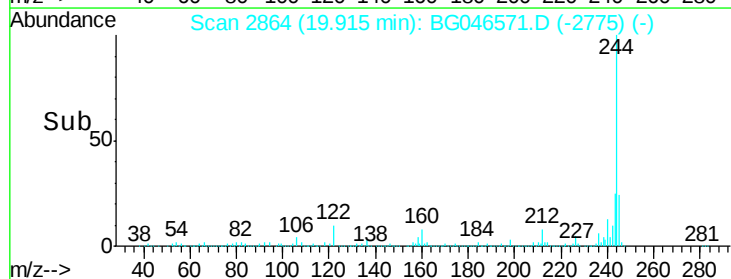
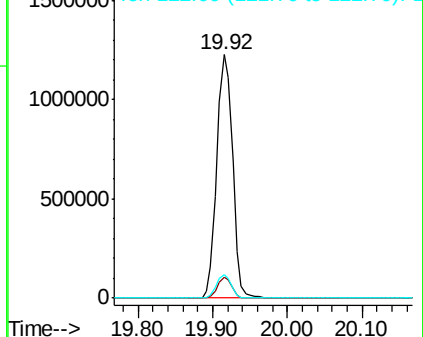
122 9.7 8.2 12.4

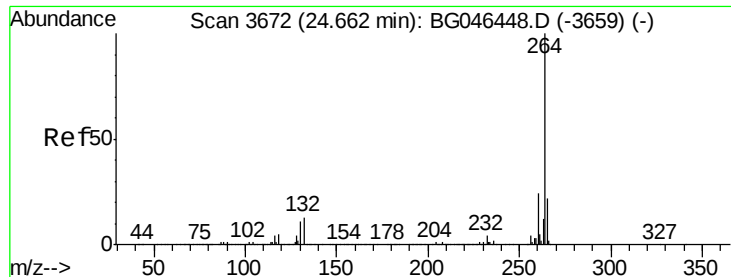


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

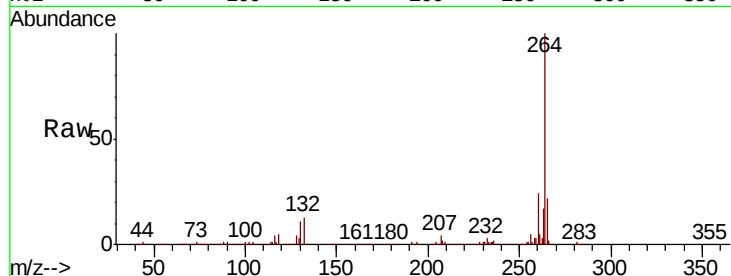




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG046571.D
Acq: 9 Sep 2020 13:48

Instrument :
BNA_G
ClientSampleId :
PB131497BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.9	26.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

