

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090820\
 Data File : BG046553.D
 Acq On : 8 Sep 2020 11:30
 Operator : CG/JU
 Sample : PB131426BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131426BL

Quant Time: Sep 08 12:37:09 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

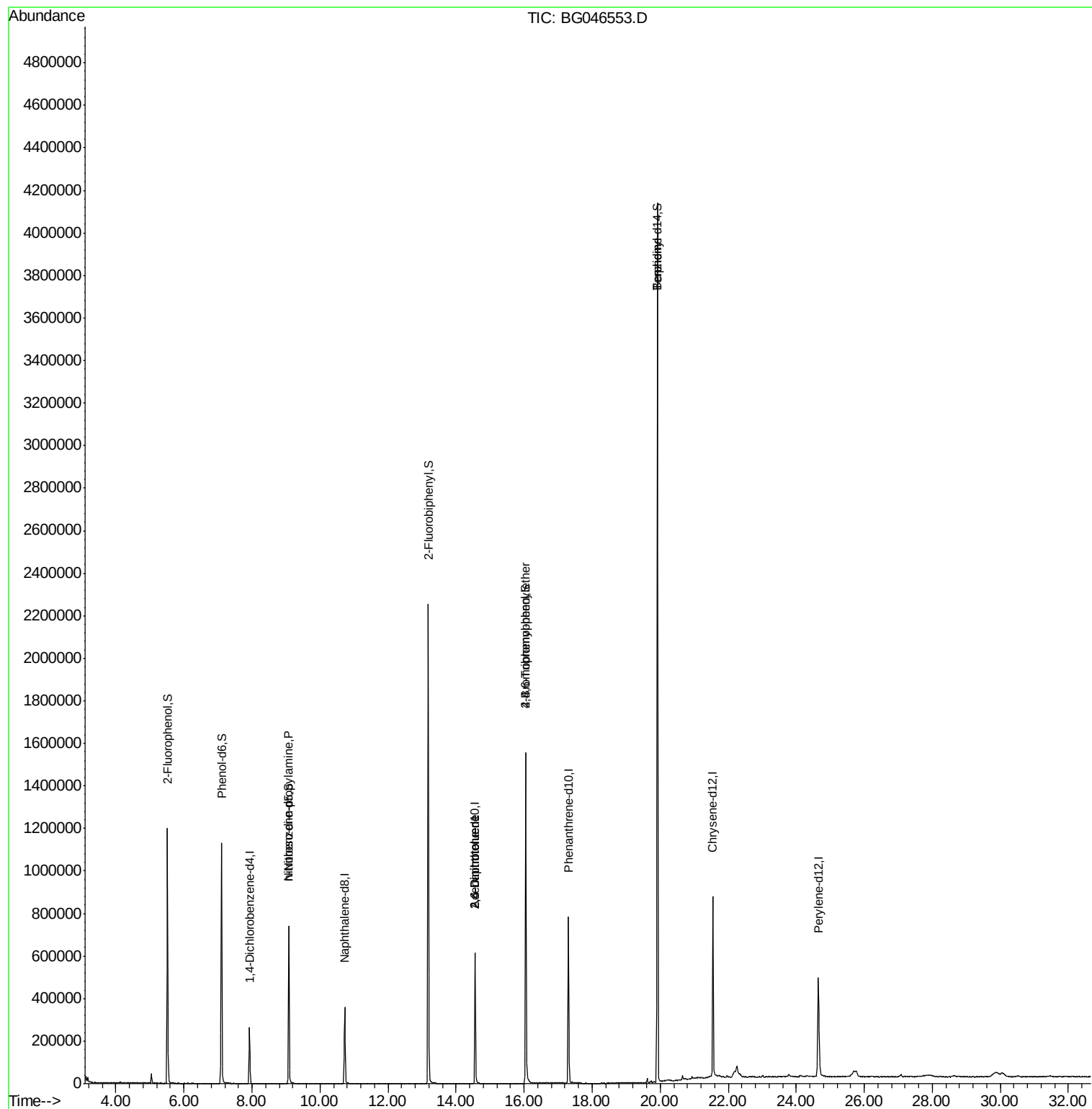
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	83044	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	337488	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	232063	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	547127	20.00	ng	0.00
76) Chrysene-d12	21.55	240	531132	20.00	ng	0.00
86) Perylene-d12	24.65	264	522781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	562317	119.93	ng	0.00
7) Phenol-d6	7.11	99	724456	109.00	ng	0.00
23) Nitrobenzene-d5	9.09	82	485767	82.27	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	344602	109.60	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1290009	84.86	ng	0.00
79) Terphenyl-d14	19.92	244	1896674	76.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	63385	15.943	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	30688	7.754	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	30690	5.439	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	26655	4.176	ng	# 1
77) Benzidine	19.92	184	29259	2.371	ng	# 96

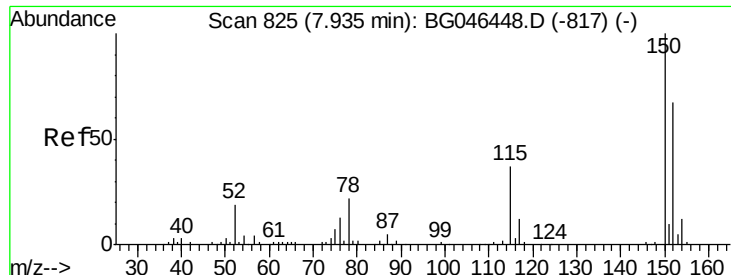
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



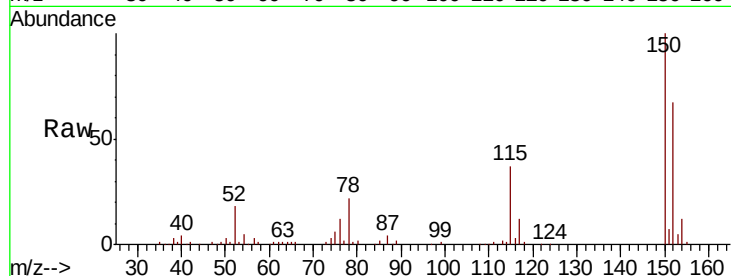


#1

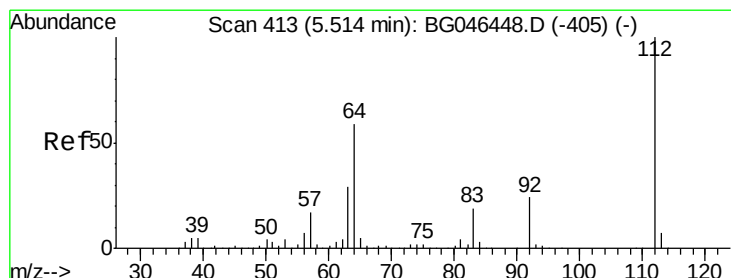
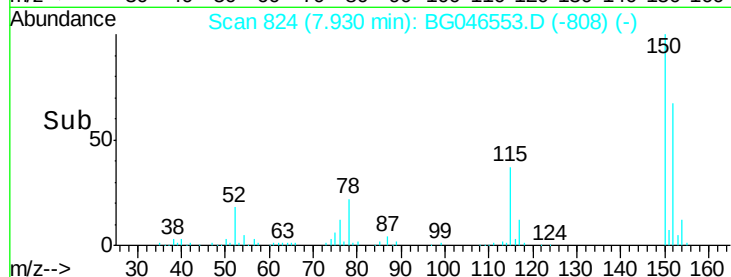
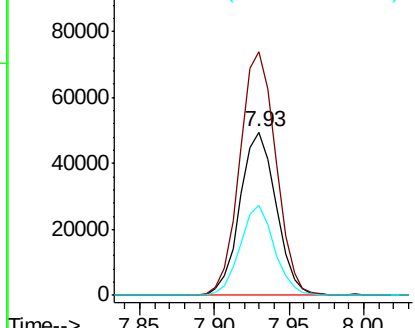
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046553.D
Acq: 8 Sep 2020 11:30

Instrument :
BNA_G
ClientSampleId :
PB131426BL

Tot Ion:152 Resp: 83044
Ion Ratio Lower Upper
152 100
150 149.4 119.5 179.3
115 54.8 44.3 66.5



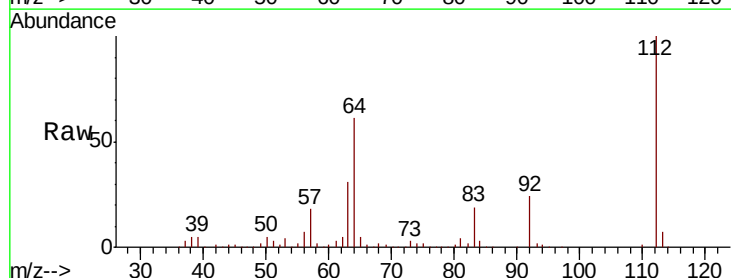
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



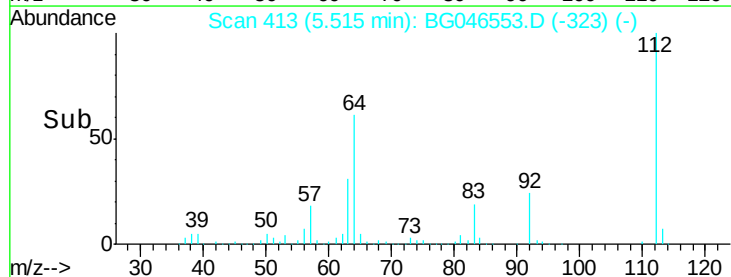
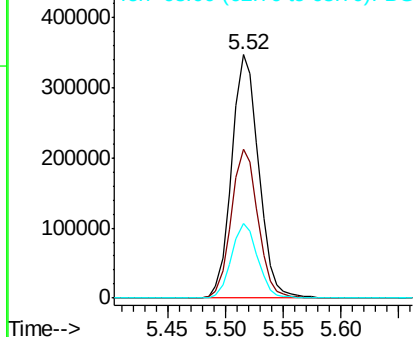
#5

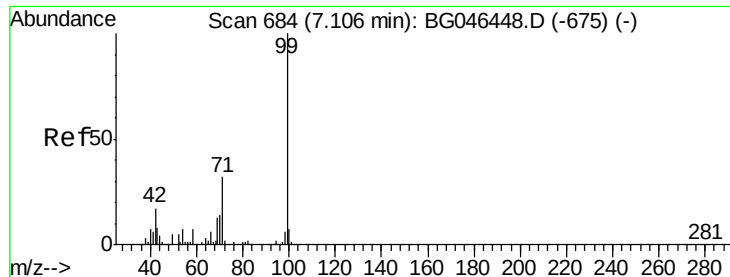
2-Fluorophenol
Concen: 119.933 ng
RT: 5.52 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046553.D
Acq: 8 Sep 2020 11:30

Tgt Ion:112 Resp: 562317
Ion Ratio Lower Upper
112 100
64 61.2 47.0 70.6
63 30.5 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: 108.997 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

Instrument :

BNA_G

ClientSampleId :

PB131426BL

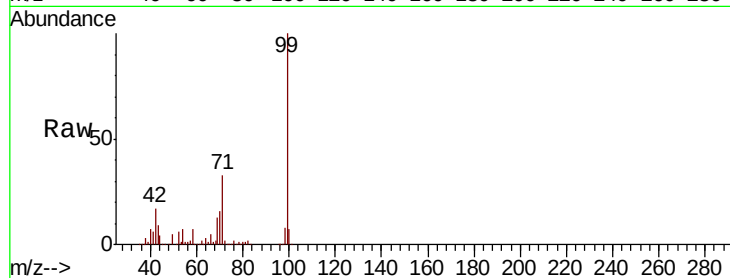
Tot Ion: 99 Resp: 724456

Ion Ratio Lower Upper

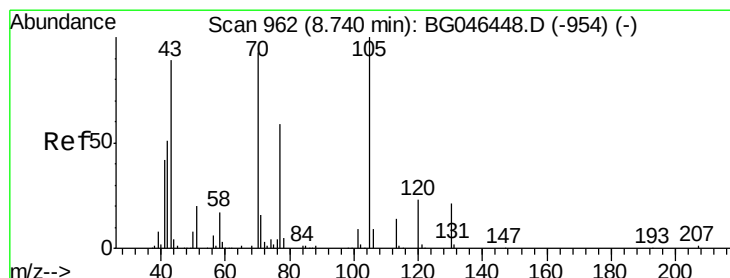
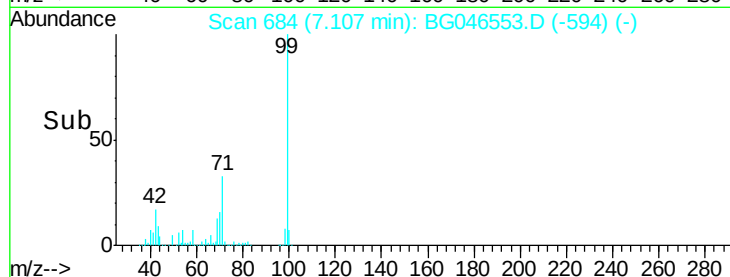
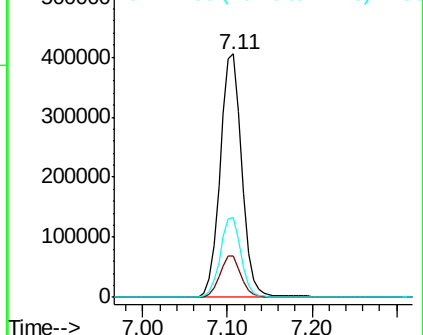
99 100

42 16.8 13.3 19.9

71 32.6 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: 15.943 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

Tgt Ion: 70 Resp: 63385

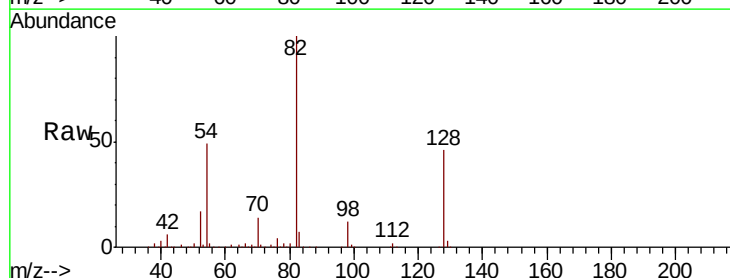
Ion Ratio Lower Upper

70 100

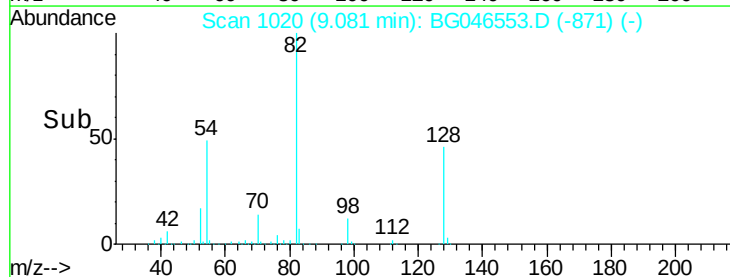
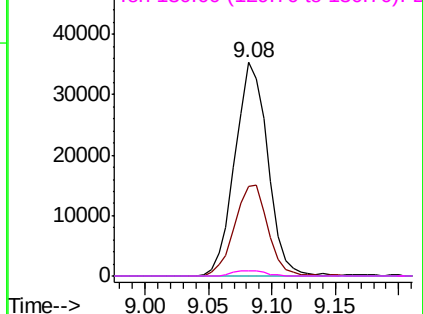
42 42.2 44.2 66.2#

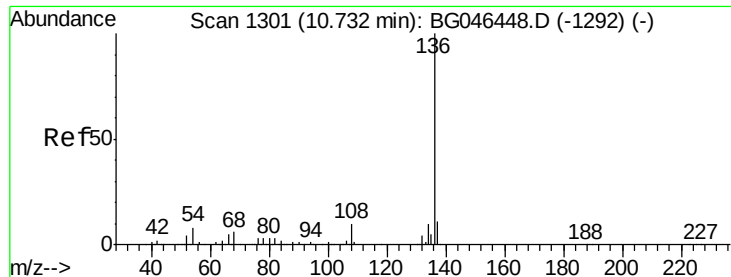
101 0.0 7.8 11.8#

130 2.3 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: BG046553.D

Acq: 8 Sep 2020 11:30

Instrument :

BNA_G

ClientSampleId :

PB131426BL

Tot Ion:136 Resp: 337488

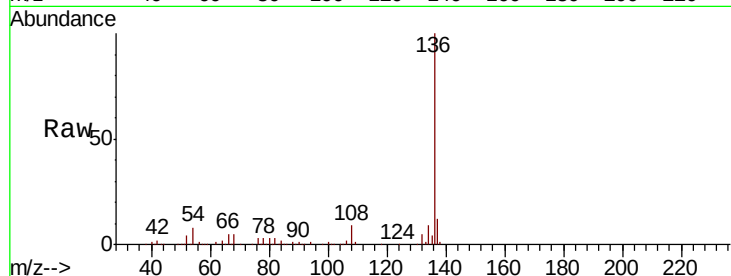
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 7.9 6.1 9.1

68 5.5 4.8 7.2

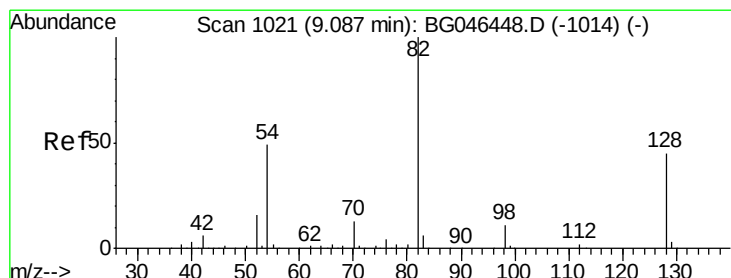
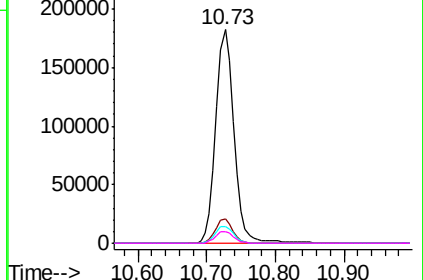
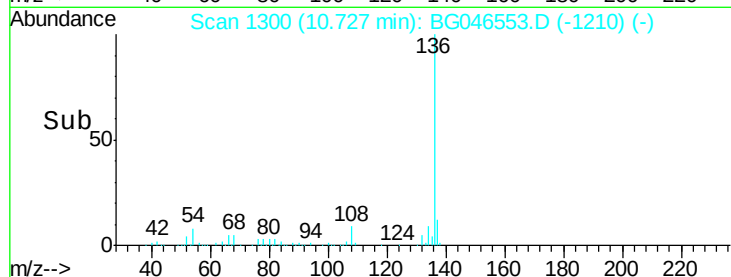


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.267 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

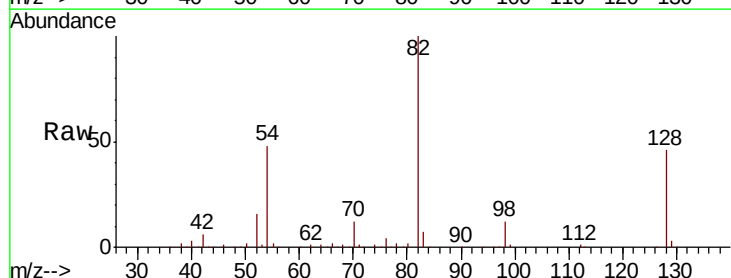
Tgt Ion: 82 Resp: 485767

Ion Ratio Lower Upper

82 100

128 45.8 35.7 53.5

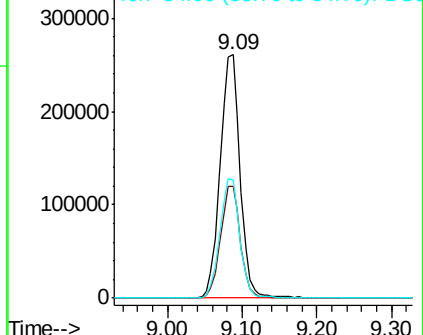
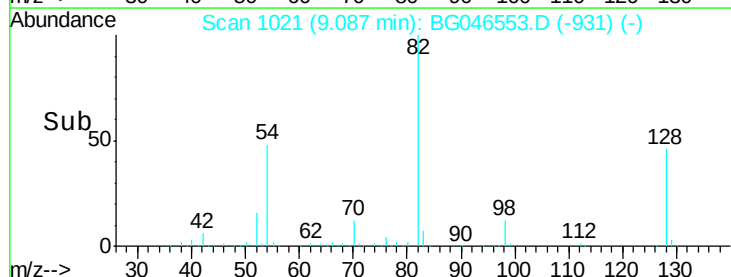
54 48.5 39.4 59.0

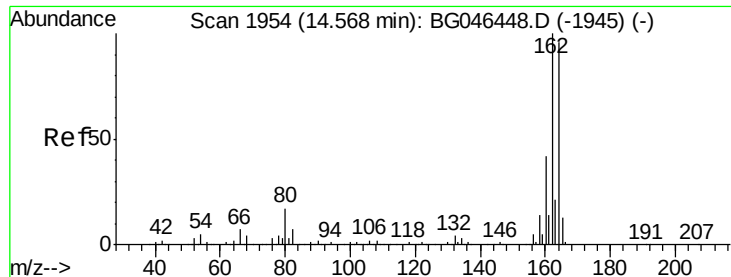


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG046553.D

Acq: 8 Sep 2020 11:30

Instrument :

BNA_G

ClientSampleId :

PB131426BL

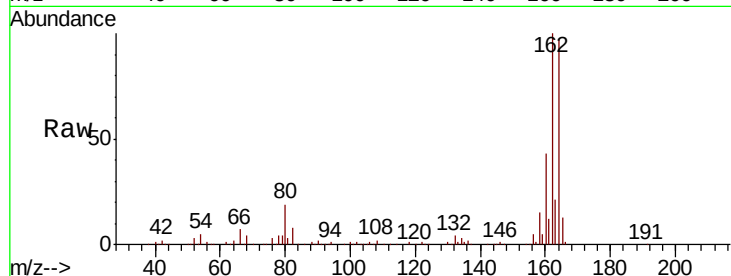
Tot Ion:164 Resp: 232063

Ion Ratio Lower Upper

164 100

162 102.6 83.3 124.9

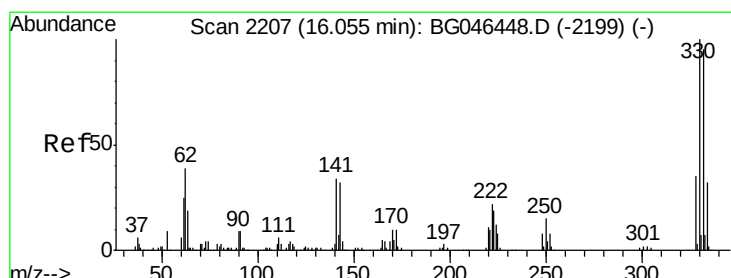
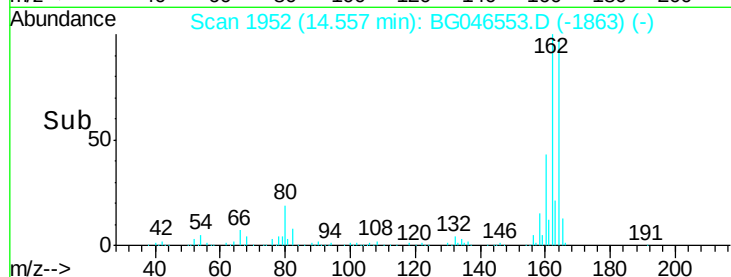
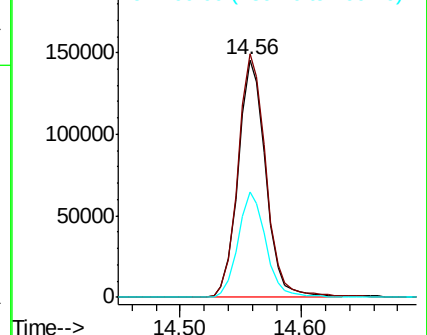
160 44.2 35.0 52.6



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: 109.596 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

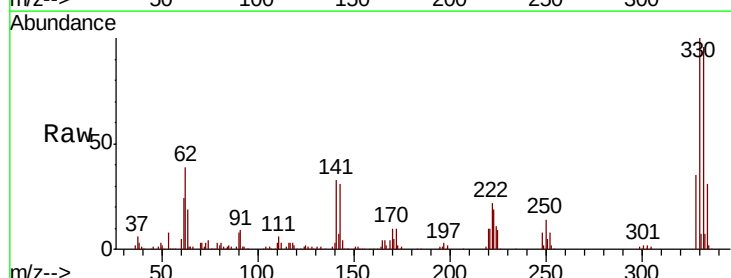
Tgt Ion:330 Resp: 344602

Ion Ratio Lower Upper

330 100

332 95.5 76.1 114.1

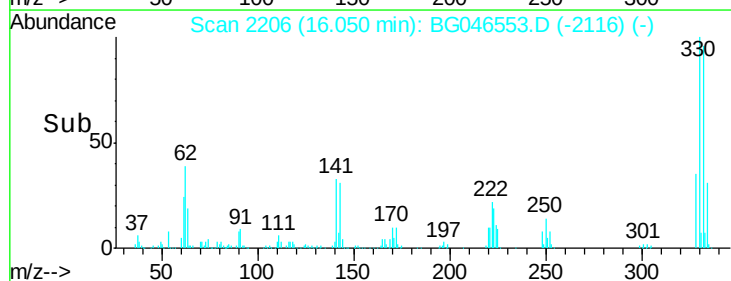
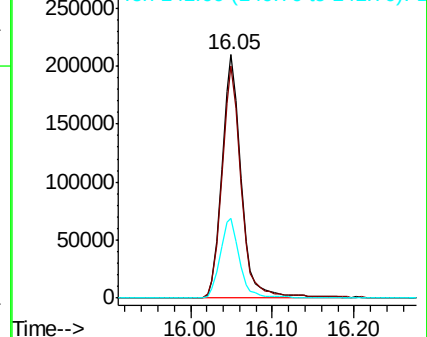
141 33.0 26.1 39.1

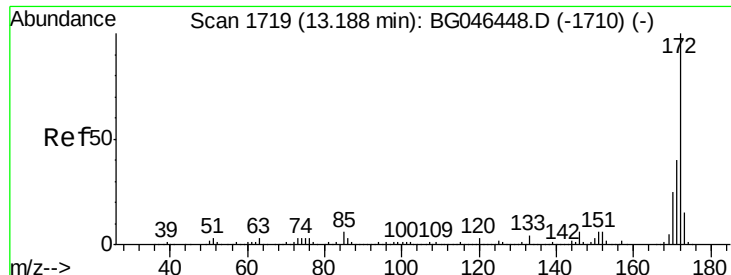


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



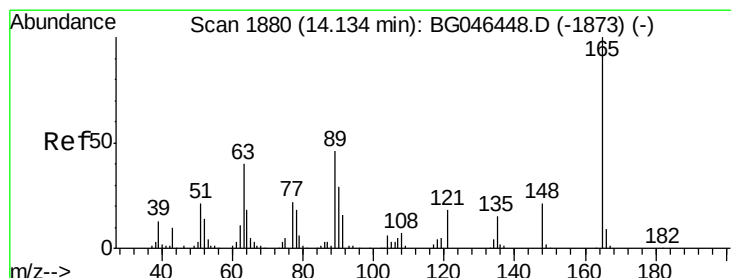
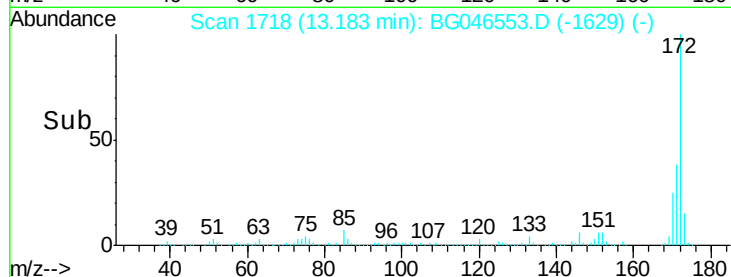
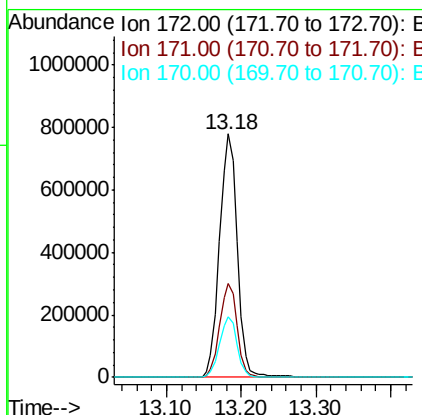
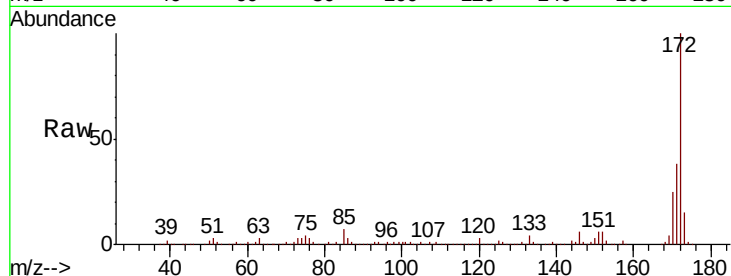


#45
 2-Fluorobiphenyl
 Concen: 84.860 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046553.D
 Acq: 8 Sep 2020 11:30

Instrument :
 BNA_G
 ClientSampleID :
 PB131426BL

Tot Ion:172 Resp: 1290009

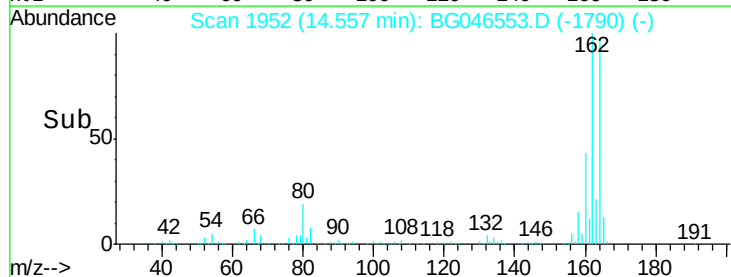
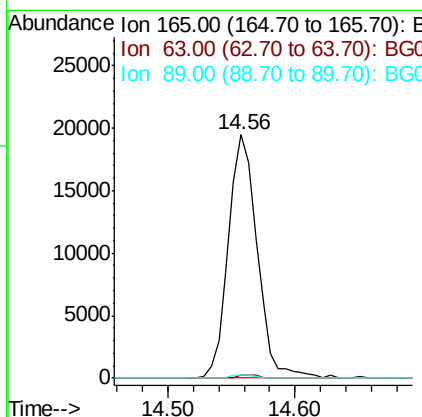
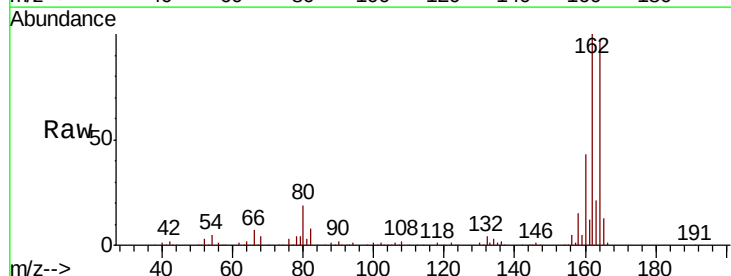
Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.8	47.6
170	25.0	20.3	30.5

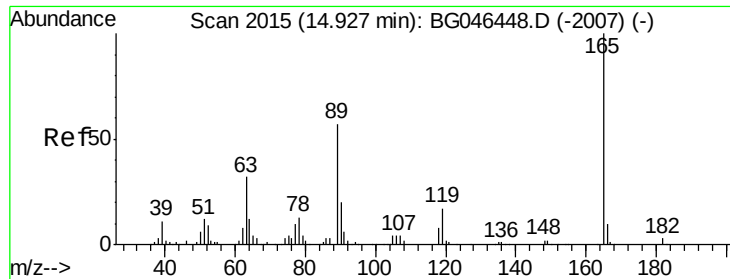


#51
 2,6-Dinitrotoluene
 Concen: 7.754 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046553.D
 Acq: 8 Sep 2020 11:30

Tgt Ion:165 Resp: 30688

Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.2	51.4#
89	1.2	37.0	55.4#

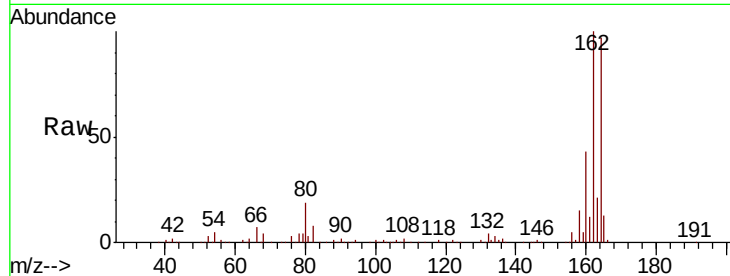




#57
 2,4-Dinitrotoluene
 Concen: 5.439 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046553.D
 Acq: 8 Sep 2020 11:30

Instrument :
 BNA_G
 ClientSampleId :
 PB131426BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.2	45.9	68.9#
182	0.0	2.3	3.5#

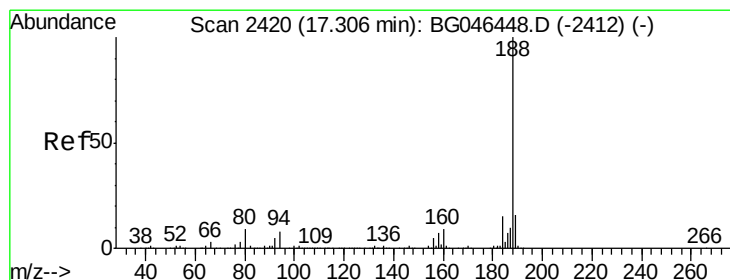
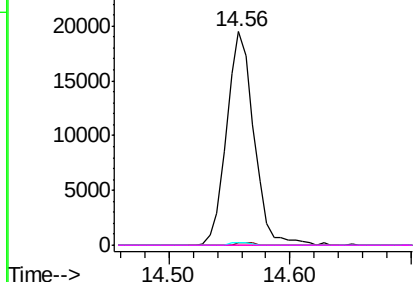
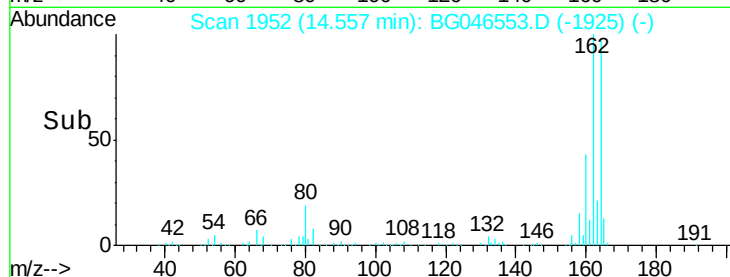


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

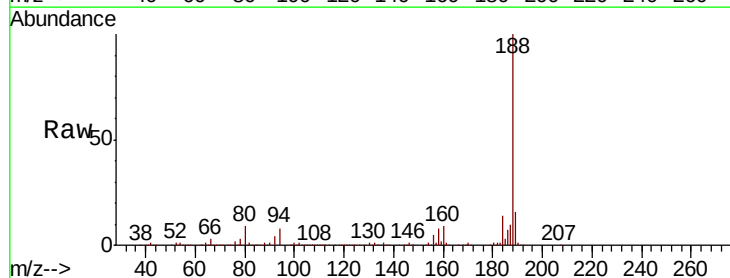
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
 Lab File: BG046553.D
 Acq: 8 Sep 2020 11:30

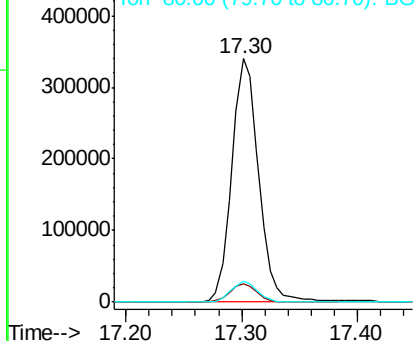
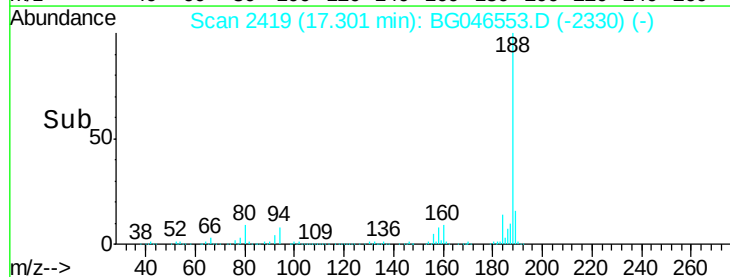
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.3	9.5
80	8.5	6.9	10.3

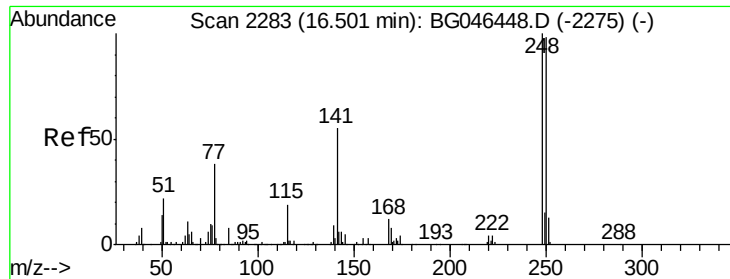


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

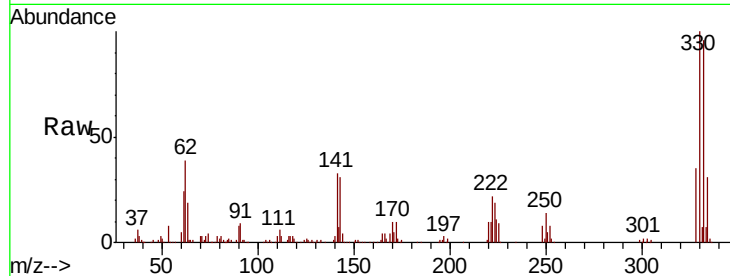




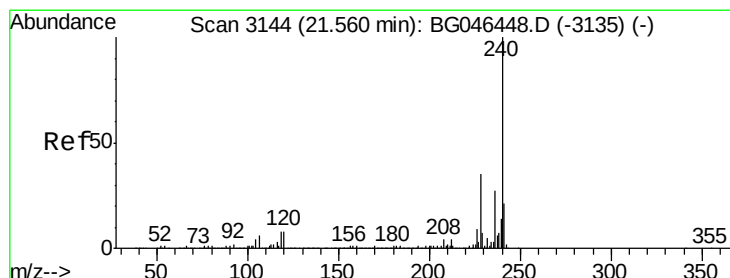
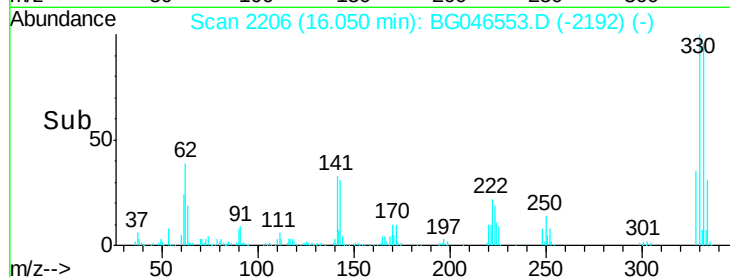
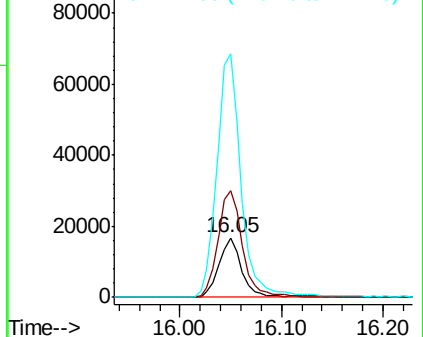
#67
4-Bromophenyl-phenylether
Concen: 4.176 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046553.D
Acq: 8 Sep 2020 11:30

Instrument :
BNA_G
ClientSampleId :
PB131426BL

Tot Ion:248 Resp: 26655
Ion Ratio Lower Upper
248 100
250 180.3 78.6 118.0#
141 410.2 43.9 65.9#

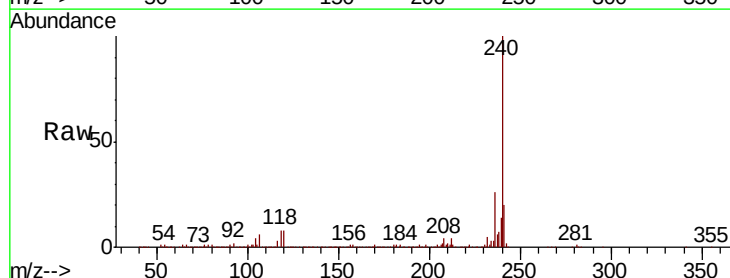


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

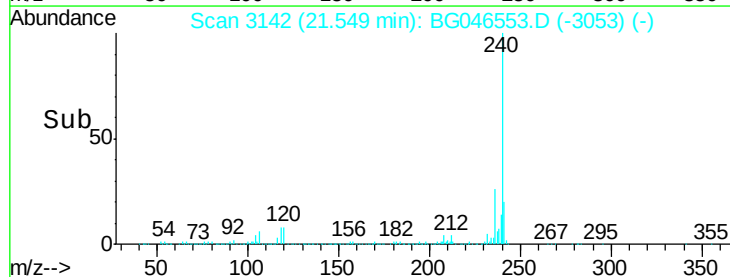
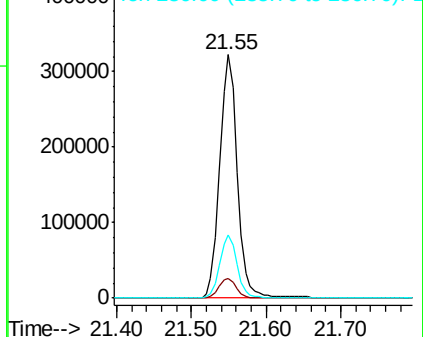


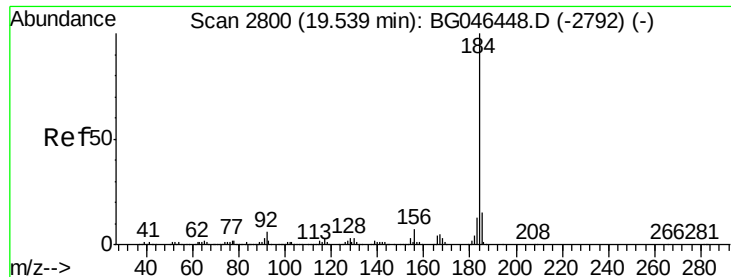
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046553.D
Acq: 8 Sep 2020 11:30

Tgt Ion:240 Resp: 531132
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.1 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: 2.371 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

Instrument :

BNA_G

ClientSampleId :

PB131426BL

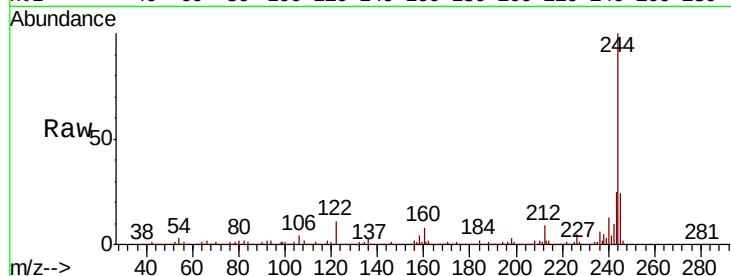
Tot Ion:184 Resp: 29259

Ion Ratio Lower Upper

184 100

185 17.9 11.8 17.8#

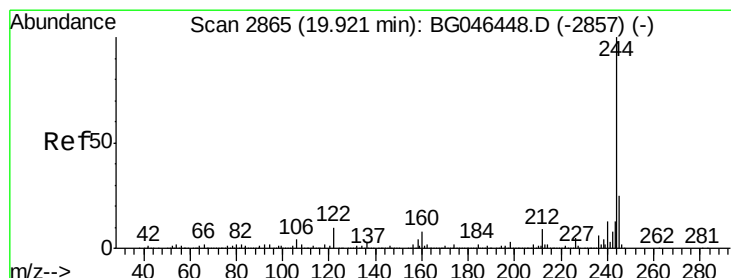
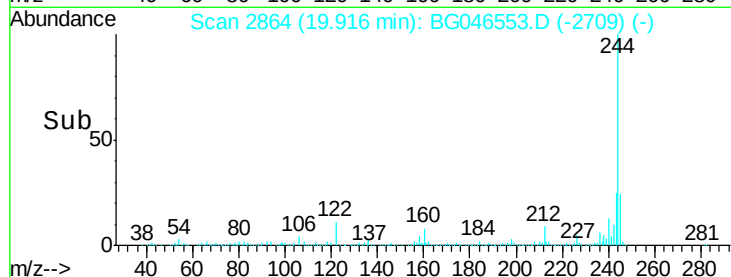
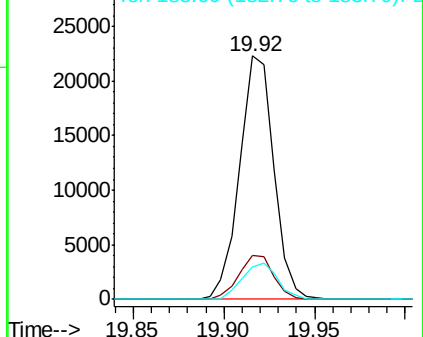
183 13.5 10.7 16.1



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: 75.997 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046553.D

Acq: 8 Sep 2020 11:30

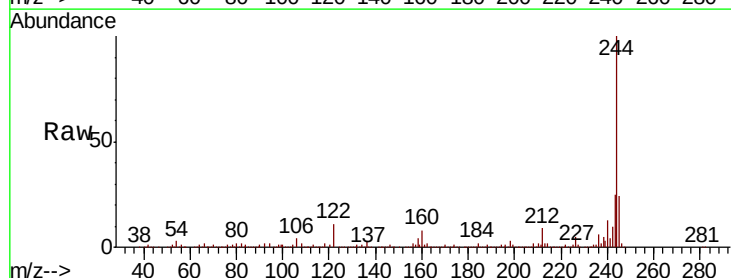
Tgt Ion:244 Resp: 1896674

Ion Ratio Lower Upper

244 100

212 9.2 6.9 10.3

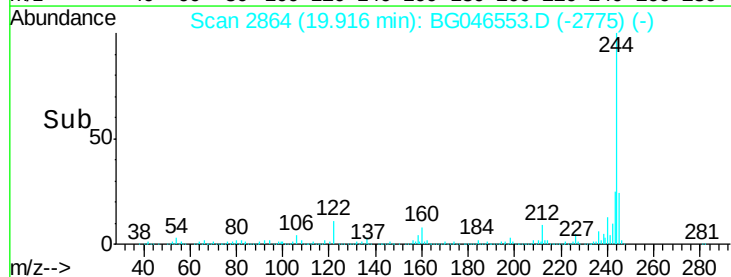
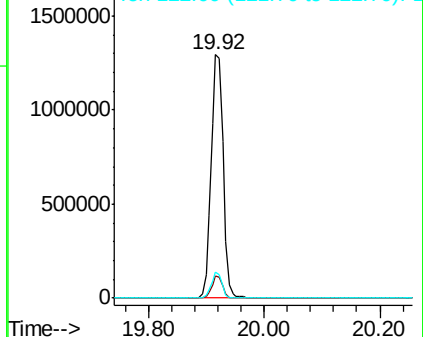
122 10.5 8.2 12.4

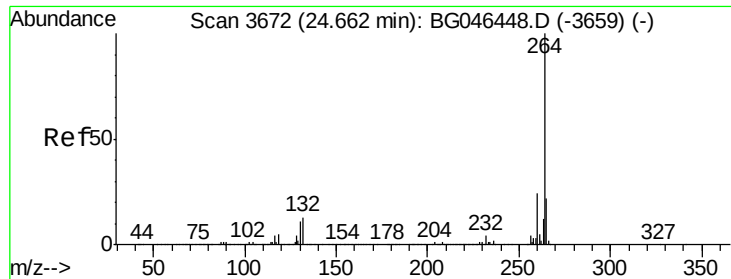


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046553.D
Acq: 8 Sep 2020 11:30

Instrument :
BNA_G
ClientSampleId :
PB131426BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.9	26.9

