

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090920\
 Data File : BG046569.D
 Acq On : 9 Sep 2020 12:22
 Operator : CG/JU
 Sample : PB131493BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131493BL

Quant Time: Sep 09 13:45:41 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

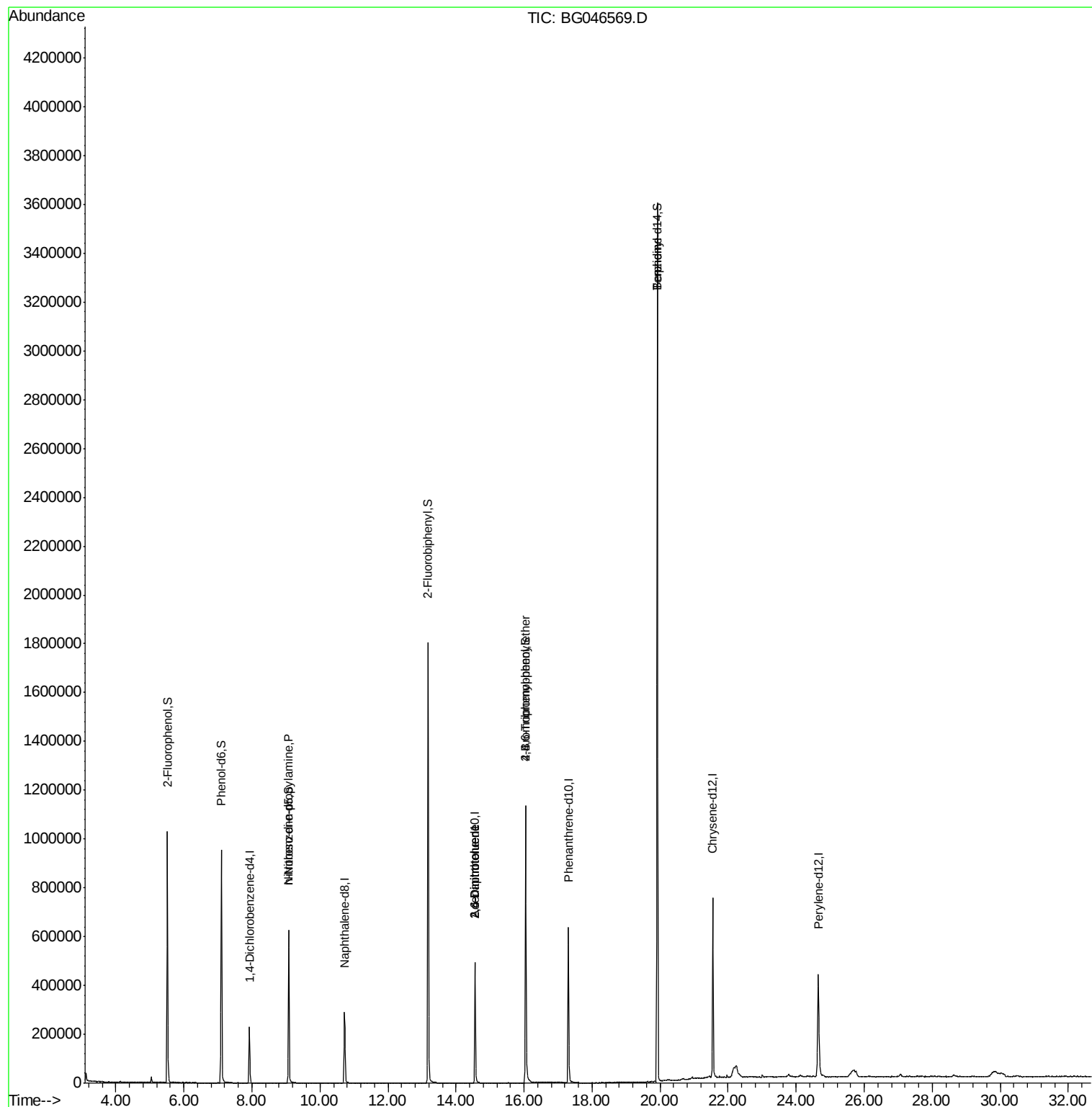
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	74086	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	288597	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	195760	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	460148	20.00	ng	0.00
76) Chrysene-d12	21.55	240	485320	20.00	ng	0.00
86) Perylene-d12	24.65	264	474088	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	480449	114.86	ng	0.00
7) Phenol-d6	7.10	99	611657	103.15	ng	0.00
23) Nitrobenzene-d5	9.08	82	409109	81.02	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	269843	101.73	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1076978	83.98	ng	0.00
79) Terphenyl-d14	19.92	244	1629801	71.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	51763	14.594	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	26178	7.841	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	26178	5.499	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	20095	3.743	ng	# 1
77) Benzidine	19.92	184	24467	2.170	ng	# 90

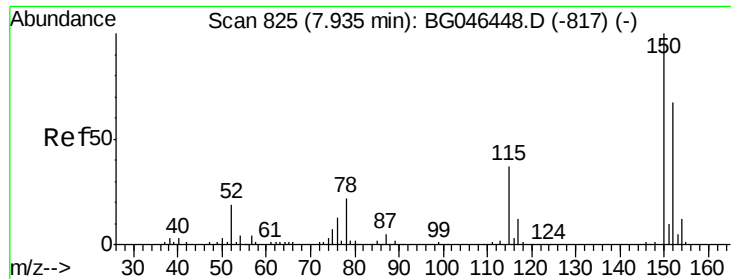
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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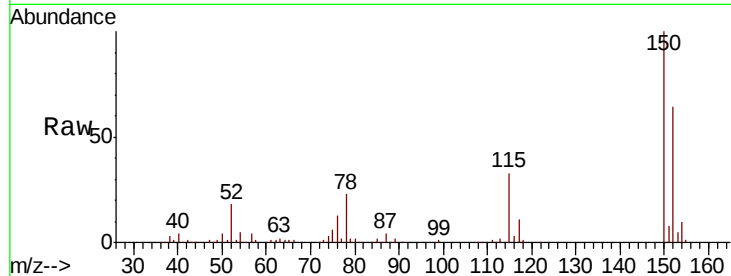


#1

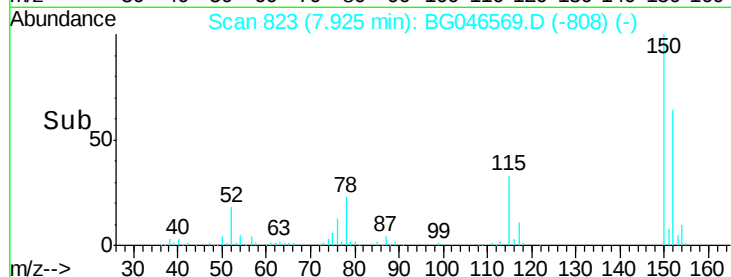
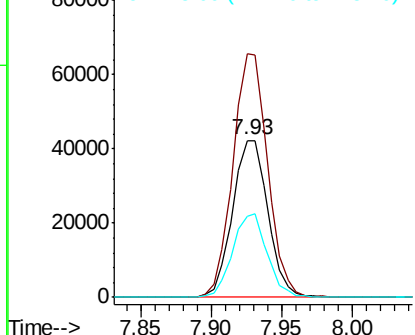
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Instrument :
BNA_G
ClientSampleId :
PB131493BL

Tot Ion:152 Resp: 74086
Ion Ratio Lower Upper
152 100
150 155.4 119.5 179.3
115 52.0 44.3 66.5



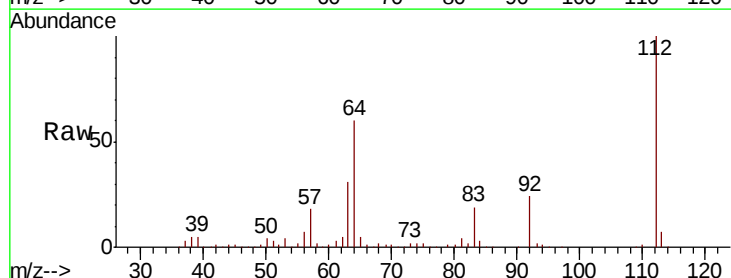
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



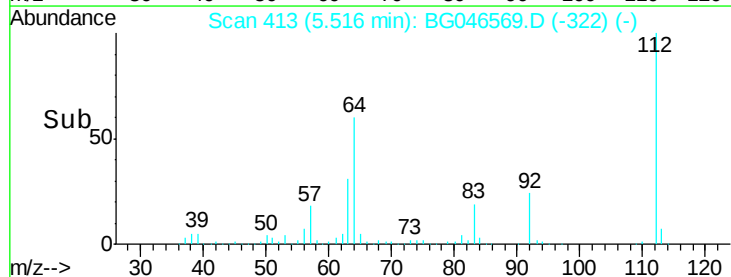
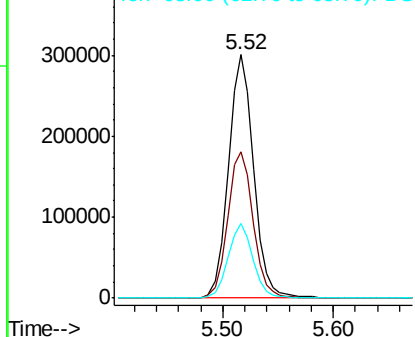
#5

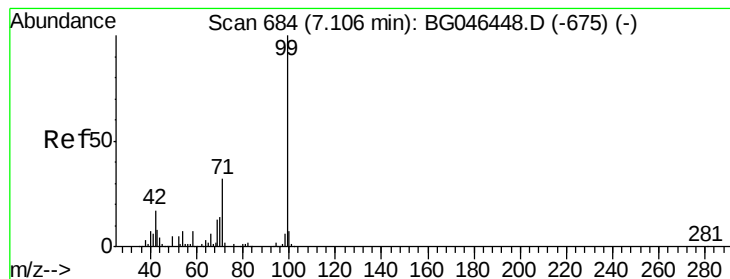
2-Fluorophenol
Concen: 114.862 ng
RT: 5.52 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Tgt Ion:112 Resp: 480449
Ion Ratio Lower Upper
112 100
64 60.1 47.0 70.6
63 30.9 23.5 35.3



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: 103.153 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046569.D

Acq: 9 Sep 2020 12:22

Instrument :

BNA_G

ClientSampleId :

PB131493BL

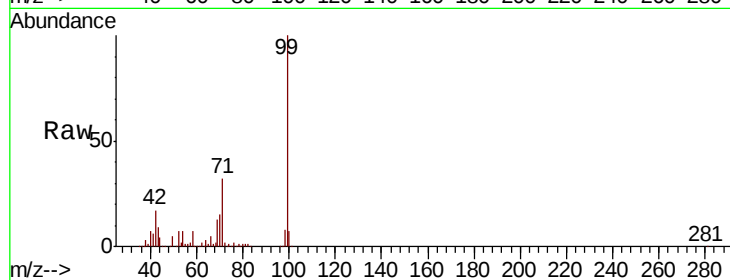
Tot Ion: 99 Resp: 611657

Ion Ratio Lower Upper

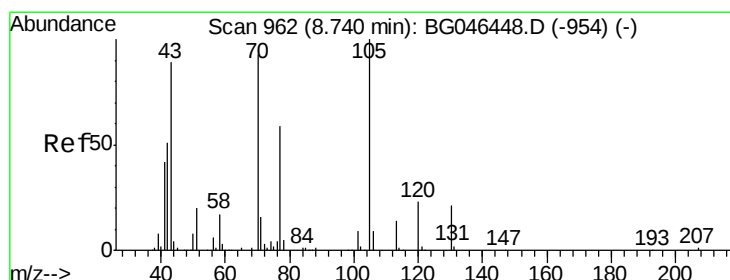
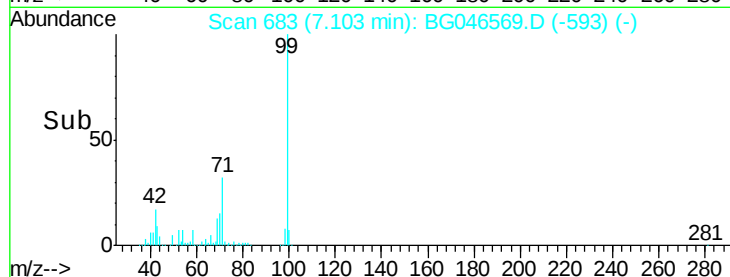
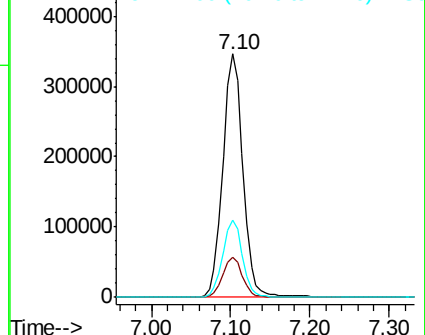
99 100

42 16.5 13.3 19.9

71 31.7 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: 14.594 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046569.D

Acq: 9 Sep 2020 12:22

Tgt Ion: 70 Resp: 51763

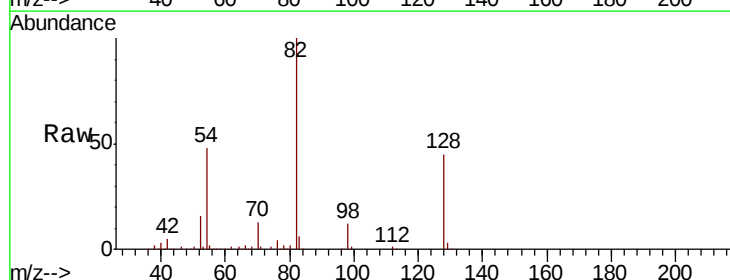
Ion Ratio Lower Upper

70 100

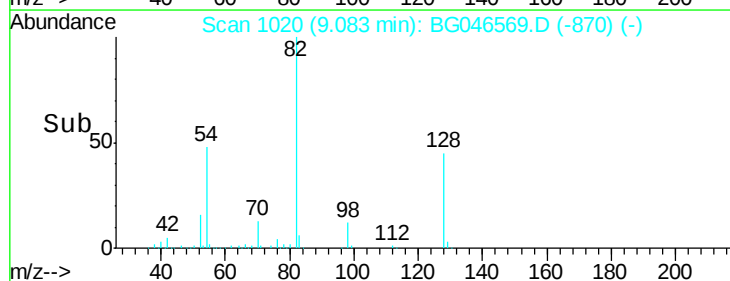
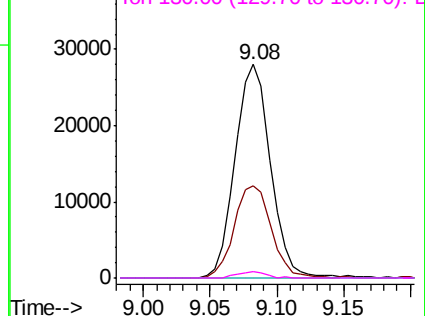
42 43.1 44.2 66.2#

101 0.0 7.8 11.8#

130 3.1 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

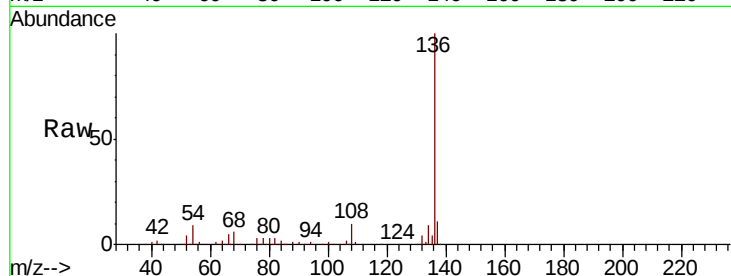




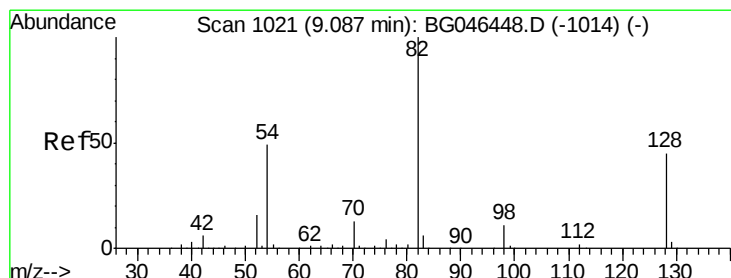
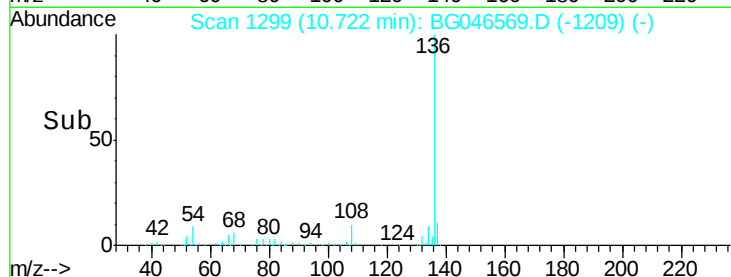
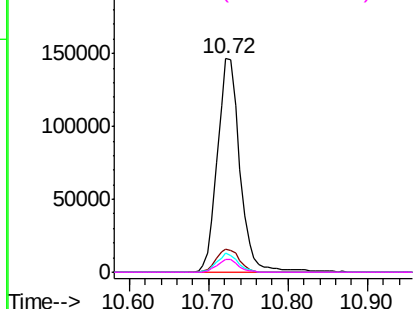
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Instrument :
BNA_G
ClientSampleId :
PB131493BL

Tot Ion:136	Resp:	288597
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.8	13.2
54 9.0	6.1	9.1
68 5.9	4.8	7.2

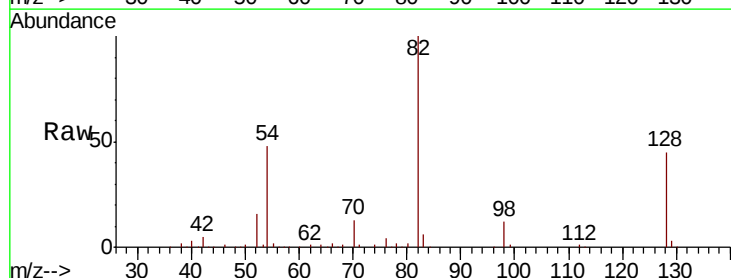


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

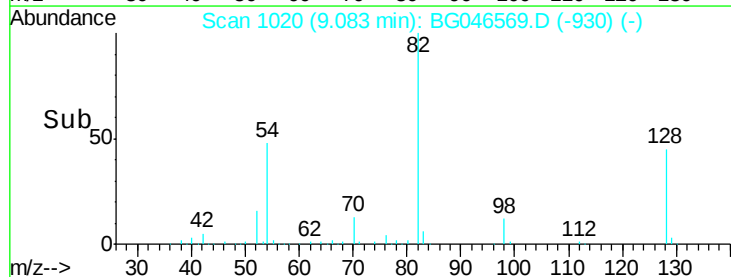
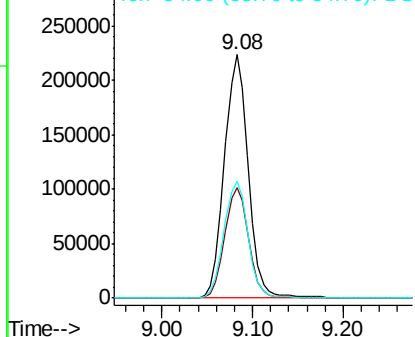


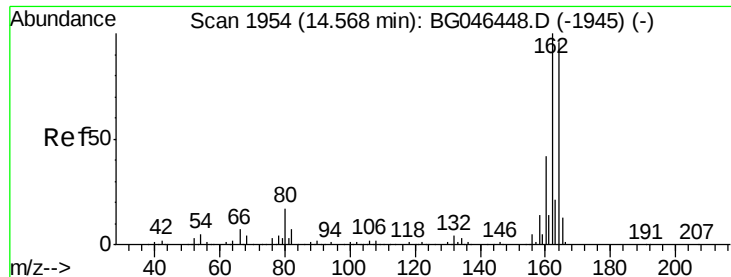
#23
Nitrobenzene-d5
Concen: 81.022 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Tgt	Ion: 82	Resp:	409109
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.7	53.5
54	47.8	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: BG046569.D

Acq: 9 Sep 2020 12:22

Instrument :

BNA_G

ClientSampleId :

PB131493BL

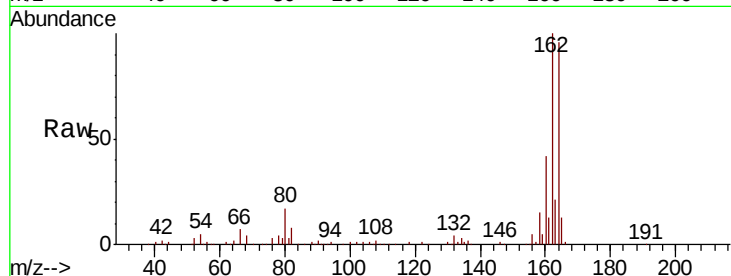
Tot Ion:164 Resp: 195760

Ion Ratio Lower Upper

164 100

162 103.8 83.3 124.9

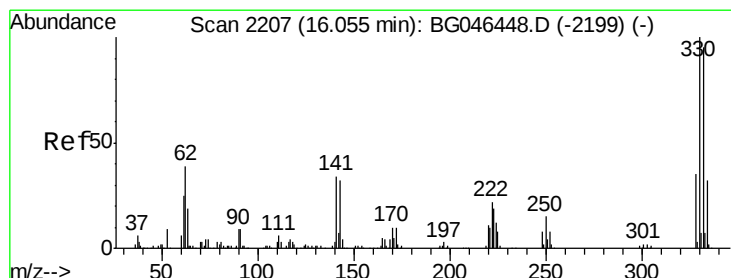
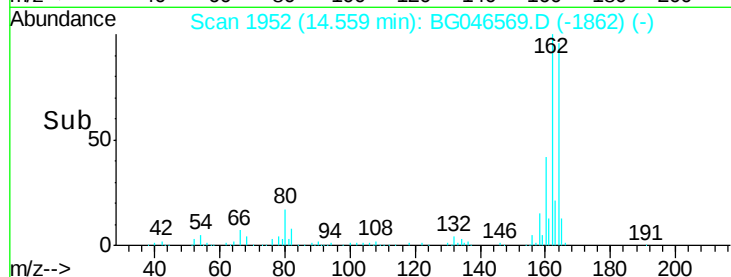
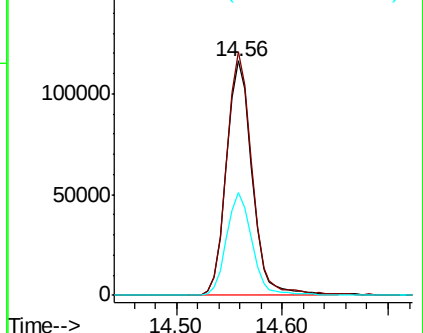
160 43.8 35.0 52.6



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: 101.735 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046569.D

Acq: 9 Sep 2020 12:22

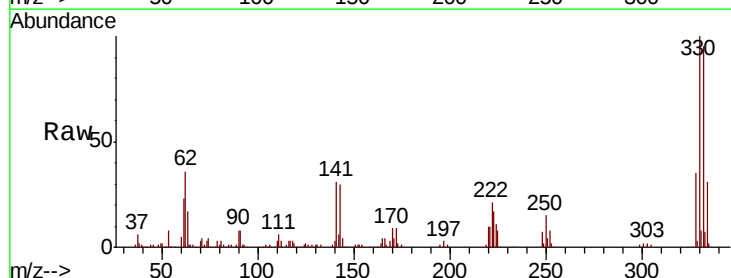
Tgt Ion:330 Resp: 269843

Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

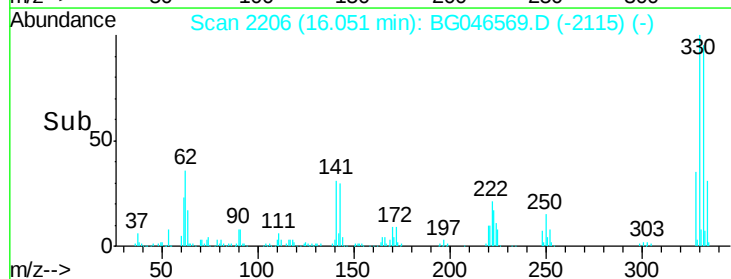
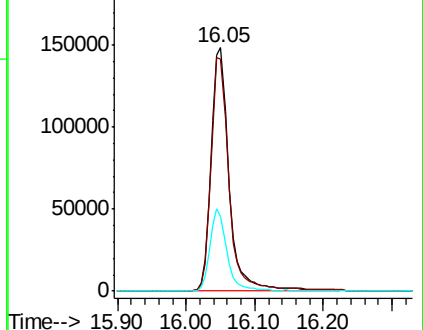
141 32.1 26.1 39.1

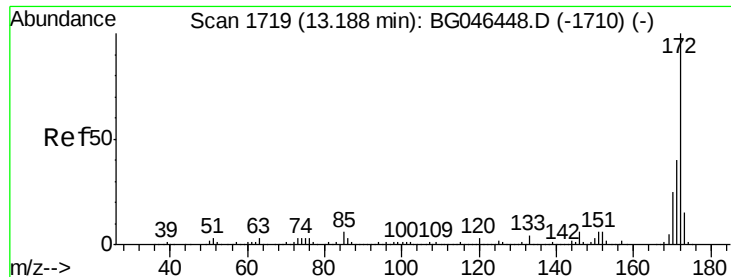


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



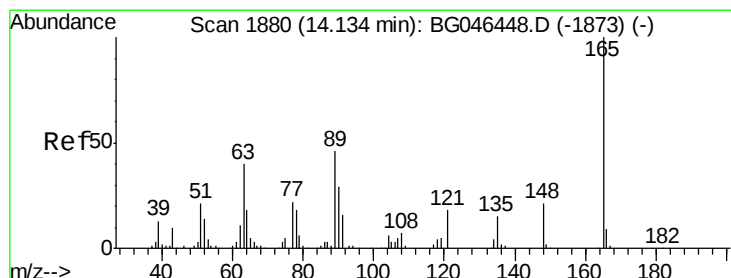
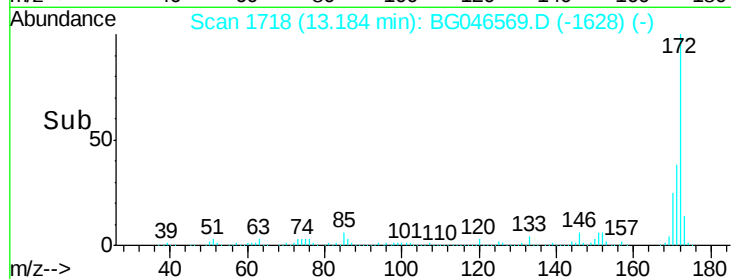
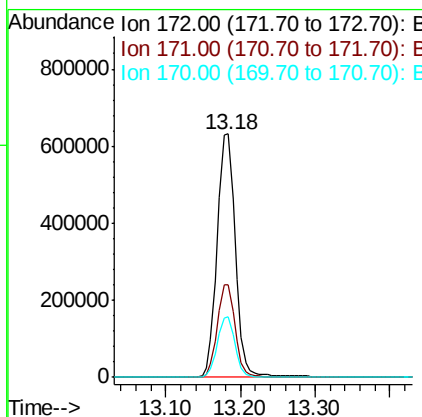
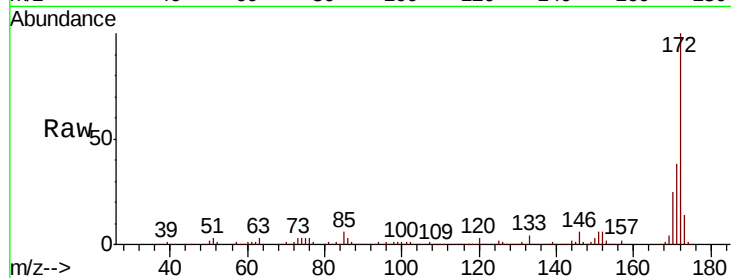


#45
 2-Fluorobiphenyl
 Concen: 83.984 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046569.D
 Acq: 9 Sep 2020 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PB131493BL

Tot Ion:172 Resp: 1076978

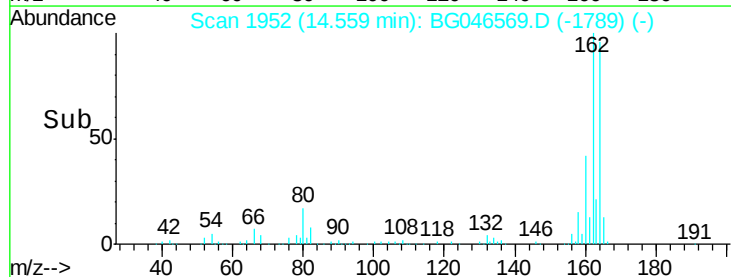
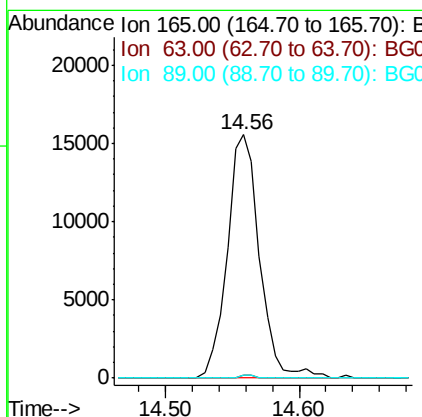
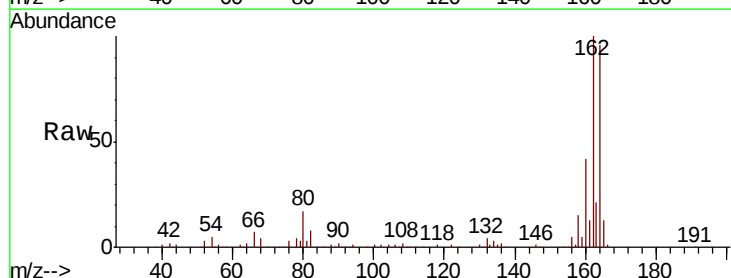
Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.8	47.6
170	25.0	20.3	30.5

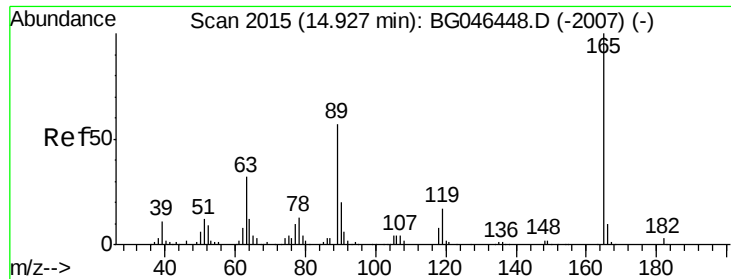


#51
 2,6-Dinitrotoluene
 Concen: 7.841 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046569.D
 Acq: 9 Sep 2020 12:22

Tgt Ion:165 Resp: 26178

Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.2	51.4#
89	1.1	37.0	55.4#

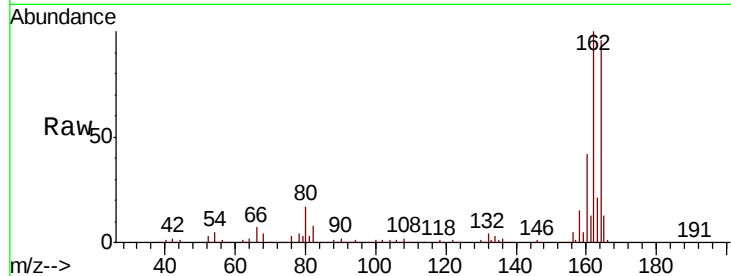




#57
 2,4-Dinitrotoluene
 Concen: 5.499 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046569.D
 Acq: 9 Sep 2020 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PB131493BL

Tot Ion	165	Resp	26178
Ion Ratio	100	Lower	Upper
63	1.1	25.4	38.0#
89	1.1	45.9	68.9#
182	0.0	2.3	3.5#

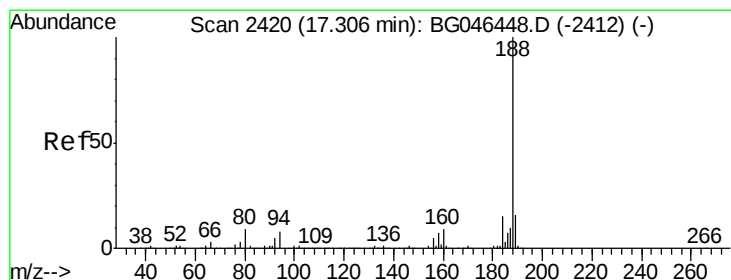
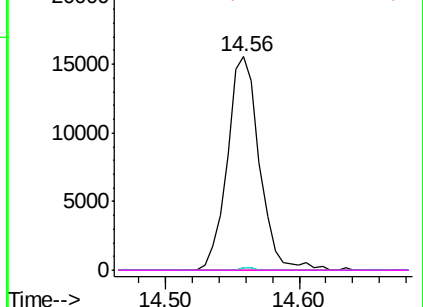
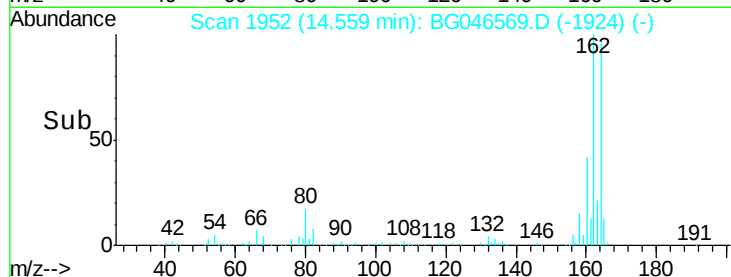


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

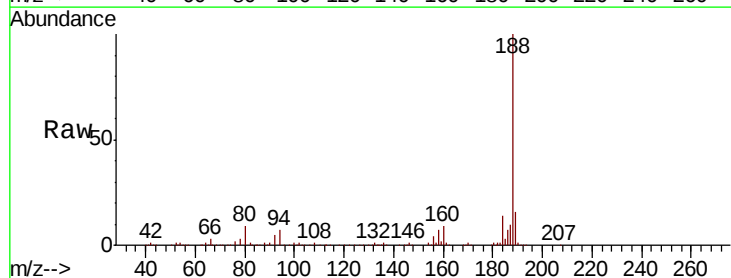
Ion 89.00 (88.70 to 89.70): BGC

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: BG046569.D
 Acq: 9 Sep 2020 12:22

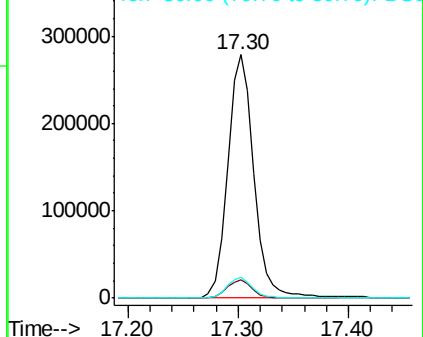
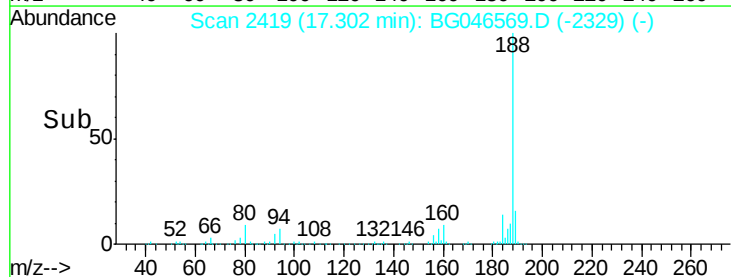
Tgt Ion	188	Resp	460148
Ion Ratio	100	Lower	Upper
94	7.3	6.3	9.5
80	8.6	6.9	10.3

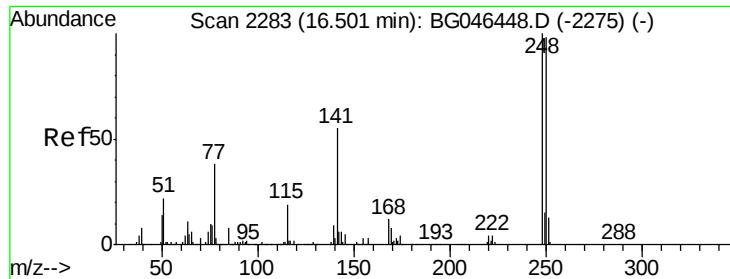


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

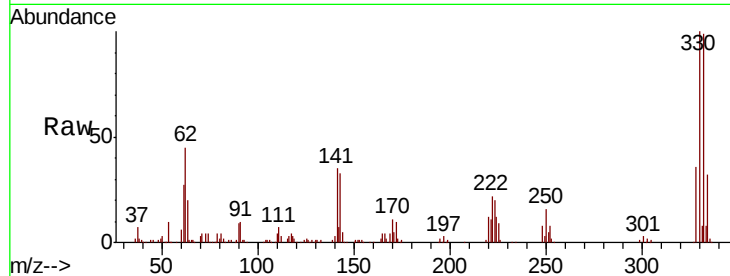




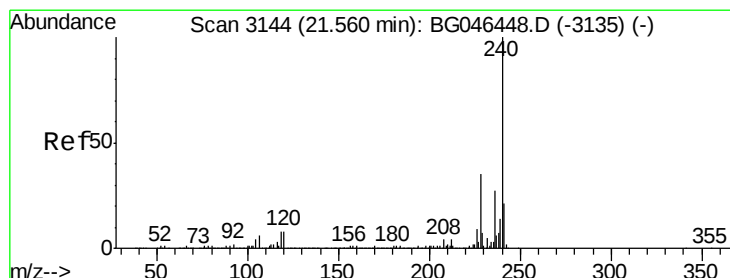
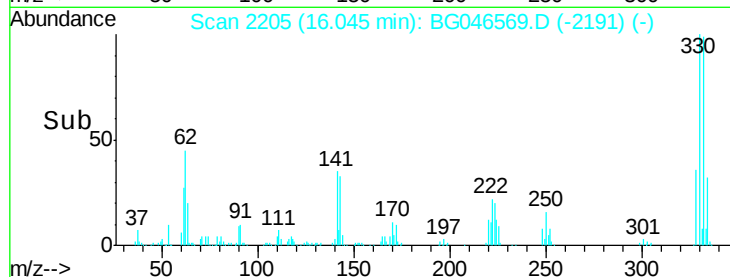
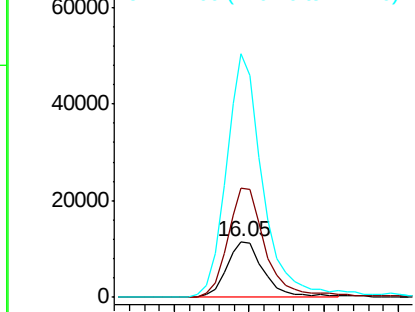
#67
4-Bromophenyl-phenylether
Concen: 3.743 ng
RT: 16.05 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Instrument :
BNA_G
ClientSampleId :
PB131493BL

Tot Ion:248 Resp: 20095
Ion Ratio Lower Upper
248 100
250 195.9 78.6 118.0#
141 435.7 43.9 65.9#

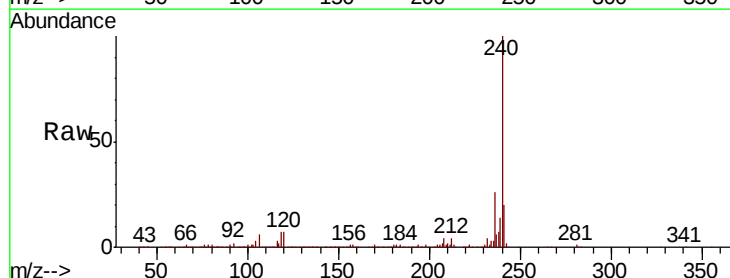


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

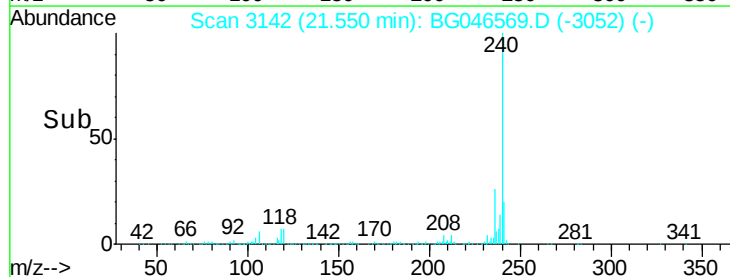
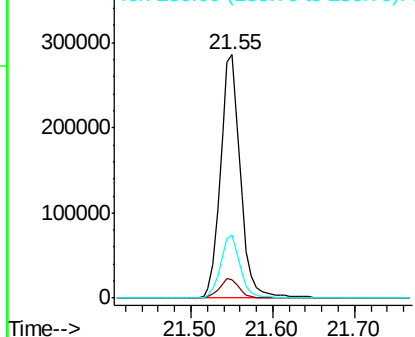


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Tgt Ion:240 Resp: 485320
Ion Ratio Lower Upper
240 100
120 7.4 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: 2.170 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046569.D

Acq: 9 Sep 2020 12:22

Instrument :

BNA_G

ClientSampleId :

PB131493BL

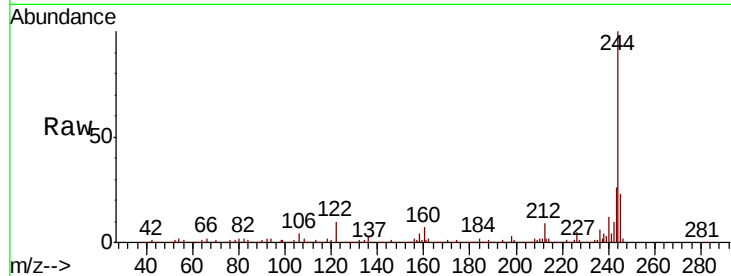
Tot Ion:184 Resp: 24467

Ion Ratio Lower Upper

184 100

185 19.6 11.8 17.8#

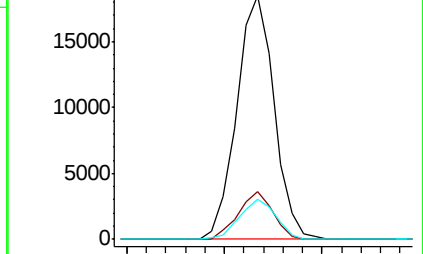
183 16.6 10.7 16.1#



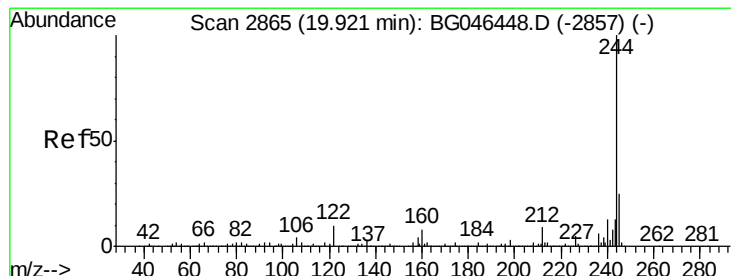
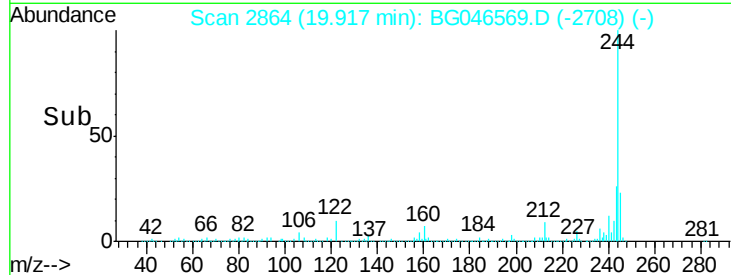
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.85 19.90 19.95



#79

Terphenyl-d14

Concen: 71.468 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046569.D

Acq: 9 Sep 2020 12:22

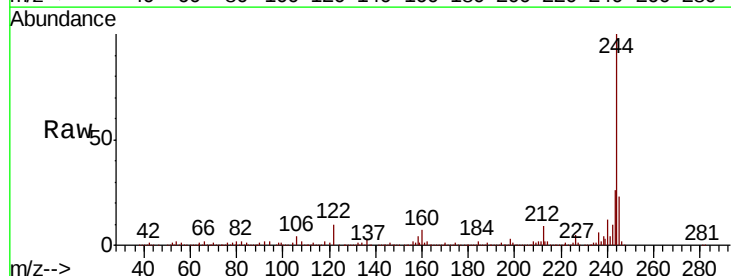
Tgt Ion:244 Resp: 1629801

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

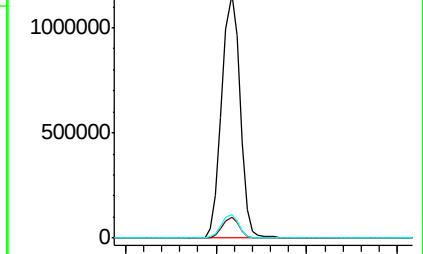
122 9.7 8.2 12.4



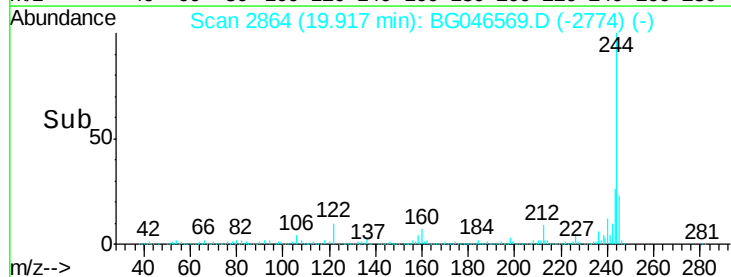
Abundance Ion 244.00 (243.70 to 244.70): E

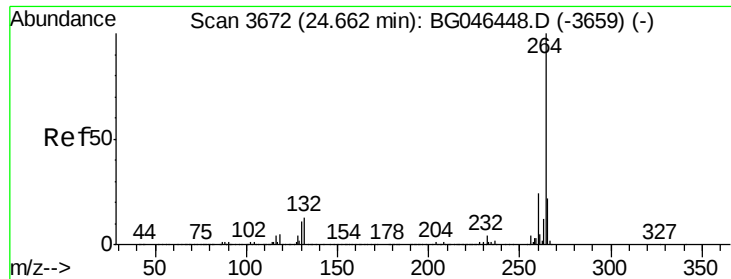
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.80 19.90 20.00





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BG046569.D
Acq: 9 Sep 2020 12:22

Instrument :
BNA_G
ClientSampleId :
PB131493BL

Tot Ion: 264 Resp: 474088

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.9	17.9	26.9

