

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
 Data File : BG046535.D
 Acq On : 4 Sep 2020 10:56
 Operator : CG/JU
 Sample : PB131406TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131406TB

Quant Time: Sep 04 11:55:44 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

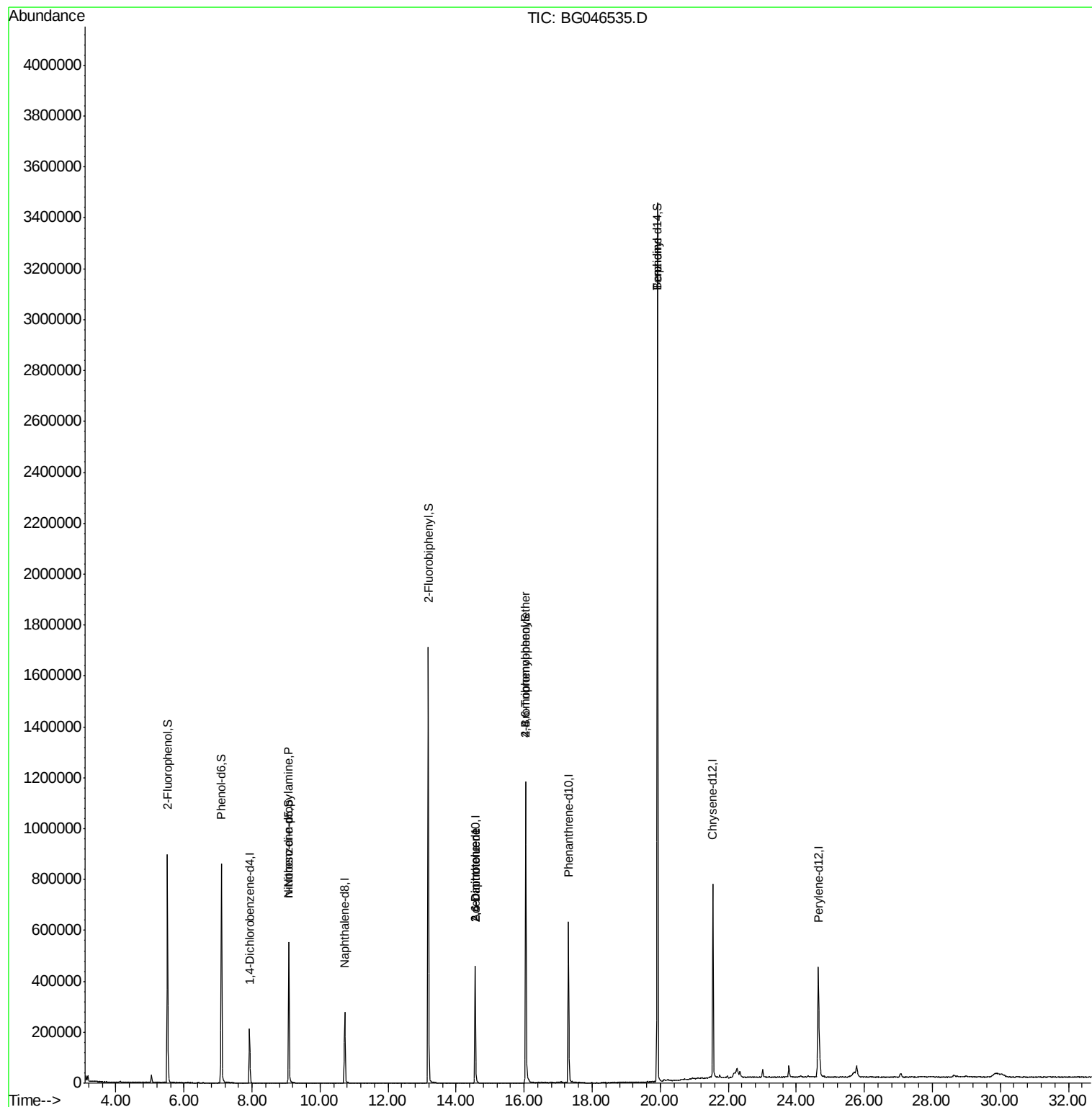
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	66355	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	265819	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	183508	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	443744	20.00	ng	0.00
76) Chrysene-d12	21.55	240	476943	20.00	ng	0.00
86) Perylene-d12	24.65	264	463295	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	428348	114.34	ng	0.00
7) Phenol-d6	7.10	99	547343	103.06	ng	0.00
23) Nitrobenzene-d5	9.08	82	366929	78.90	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	257804	103.69	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	982958	81.77	ng	0.00
79) Terphenyl-d14	19.91	244	1625844	72.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	47233	14.868	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	23495	7.508	ng	# 33
57) 2,4-Dinitrotoluene	14.56	165	23495	5.265	ng	# 32
67) 4-Bromophenyl-phenylether	16.05	248	19016	3.673	ng	# 1
77) Benzidine	19.92	184	23706	2.139	ng	# 90

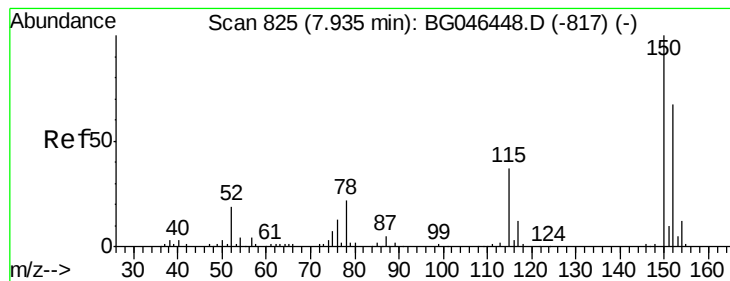
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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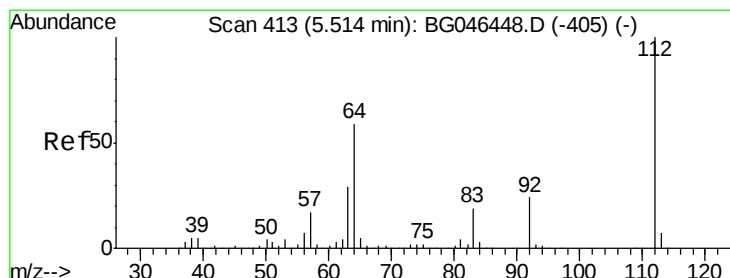
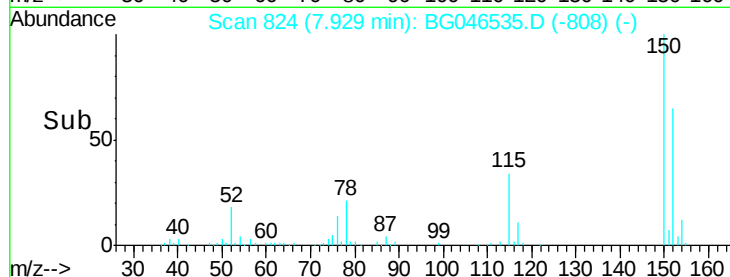
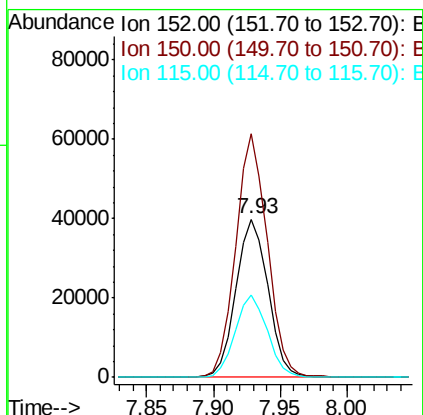
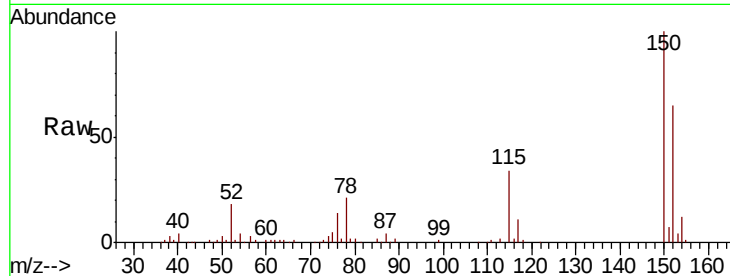


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BG046535.D
Acq: 4 Sep 2020 10:56

Instrument :
BNA_G
ClientSampleId :
PB131406TB

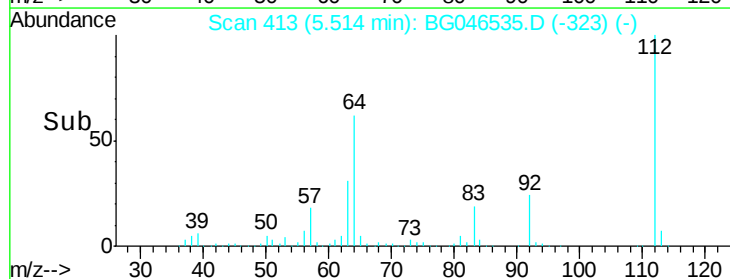
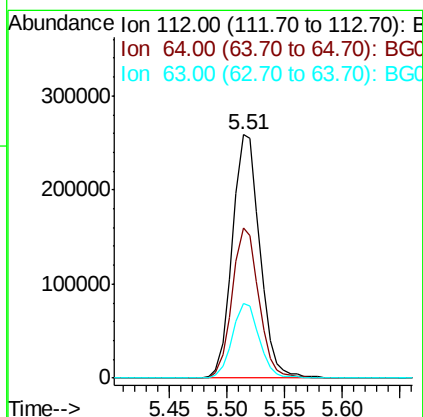
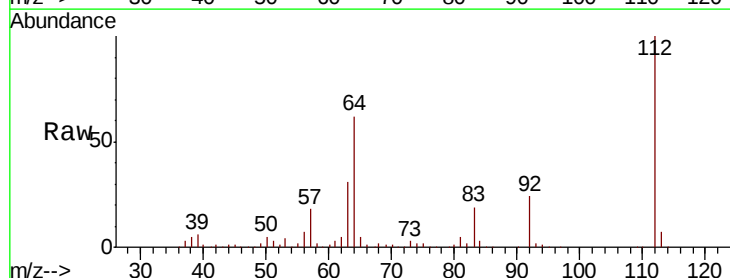
Tot Ion:152 Resp: 66355
Ion Ratio Lower Upper
152 100
150 154.0 119.5 179.3
115 51.9 44.3 66.5

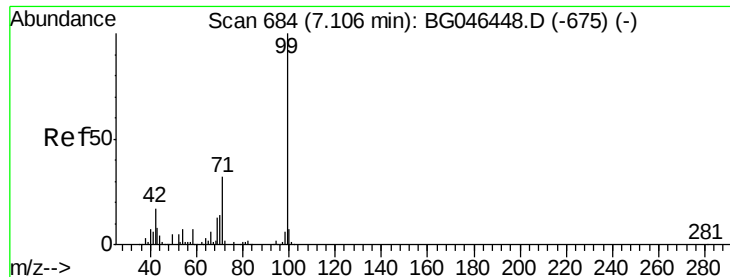


#5

2-Fluorophenol
Concen: 114.337 ng
RT: 5.51 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG046535.D
Acq: 4 Sep 2020 10:56

Tgt Ion:112 Resp: 428348
Ion Ratio Lower Upper
112 100
64 61.9 47.0 70.6
63 30.6 23.5 35.3





#7

Phenol-d6

Concen: 103.061 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046535.D

Acq: 4 Sep 2020 10:56

Instrument :

BNA_G

ClientSampleId :

PB131406TB

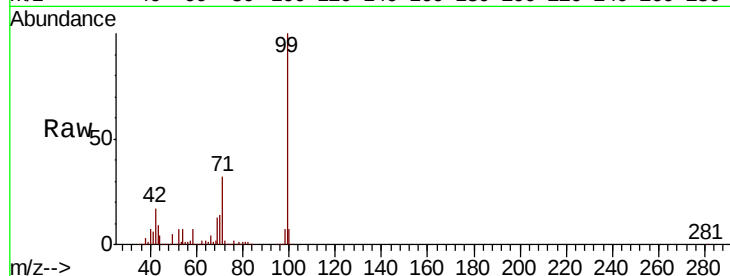
Tot Ion: 99 Resp: 547343

Ion Ratio Lower Upper

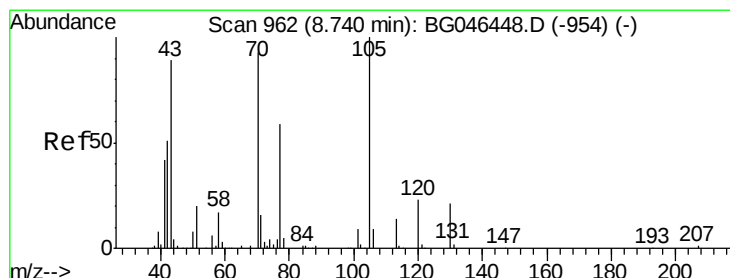
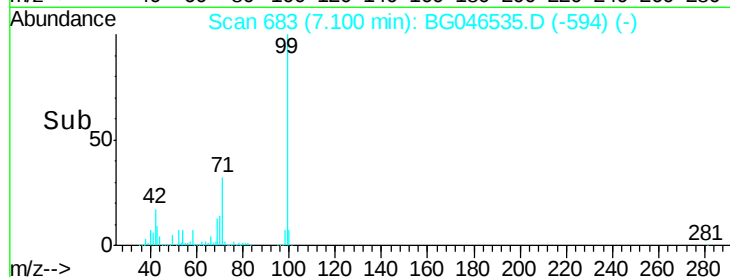
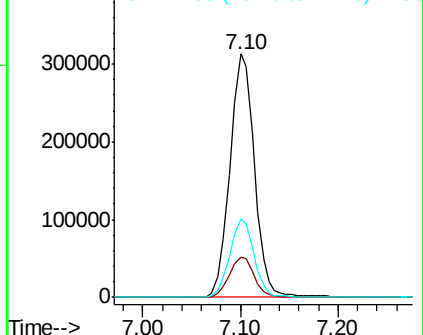
99 100

42 16.7 13.3 19.9

71 32.4 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: 14.868 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046535.D

Acq: 4 Sep 2020 10:56

Tgt Ion: 70 Resp: 47233

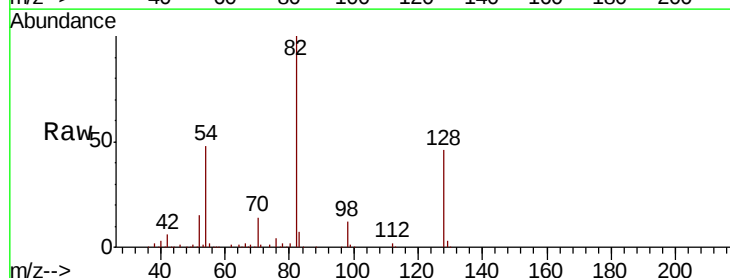
Ion Ratio Lower Upper

70 100

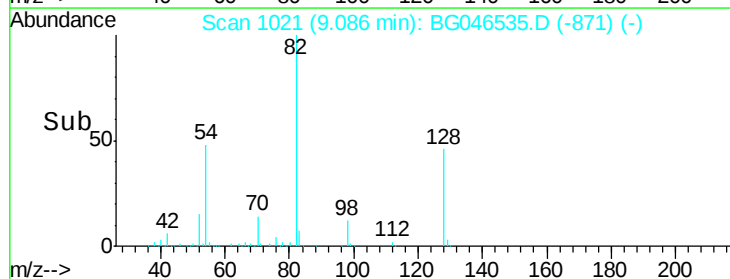
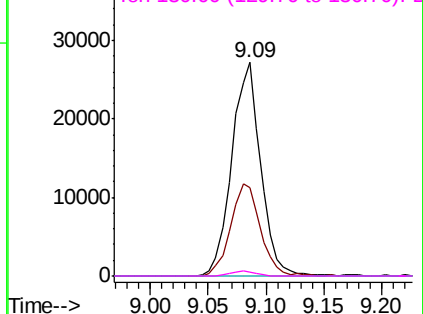
42 41.1 44.2 66.2#

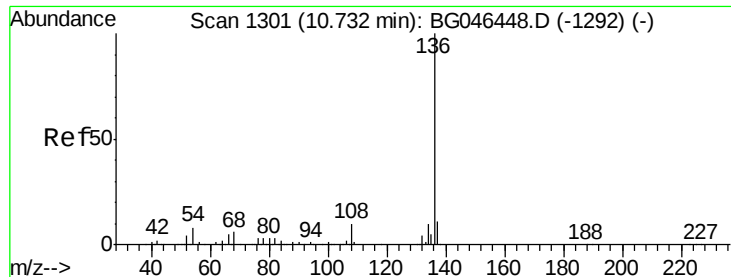
101 0.0 7.8 11.8#

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

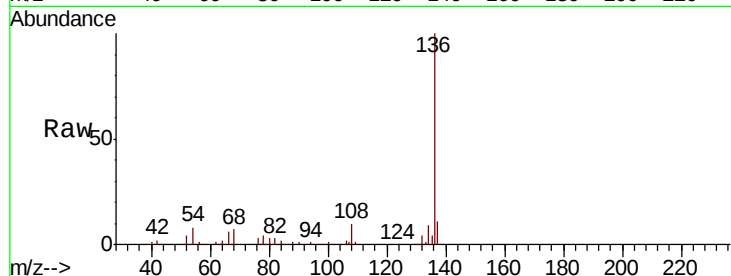




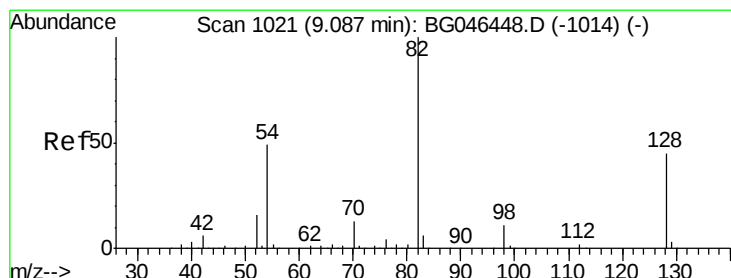
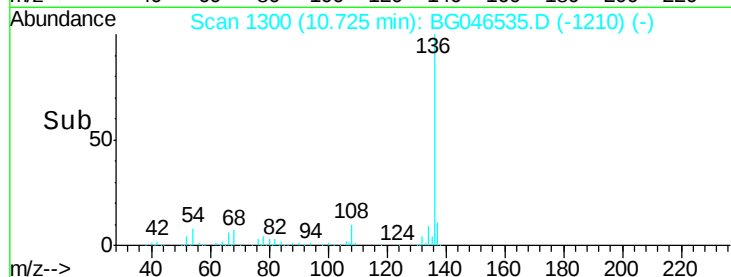
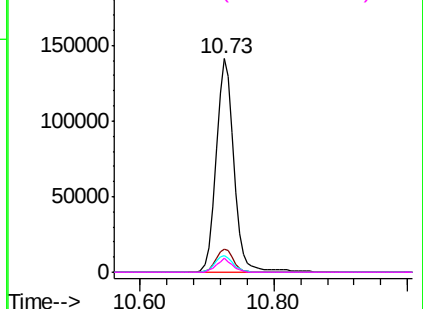
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046535.D
Acq: 4 Sep 2020 10:56

Instrument :
BNA_G
ClientSampleId :
PB131406TB

Tot Ion:136	Resp:	265819
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 7.9	6.1	9.1
68 6.6	4.8	7.2

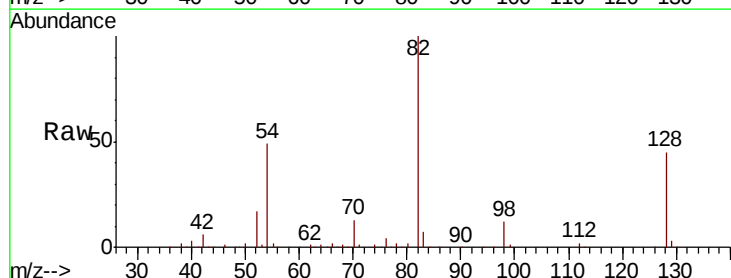


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

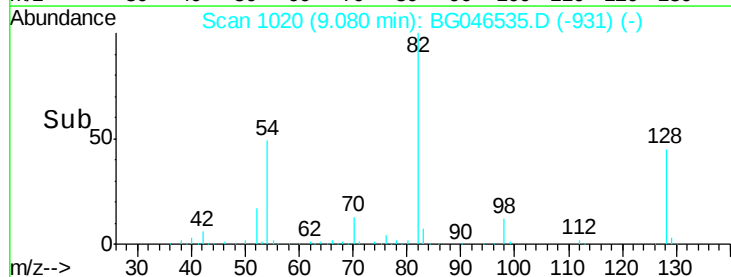
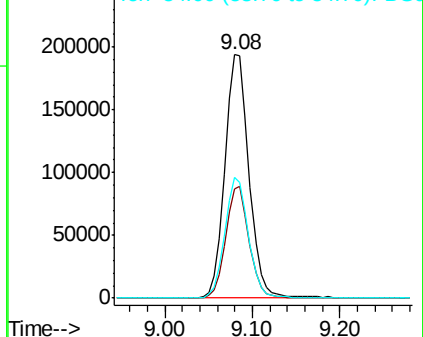


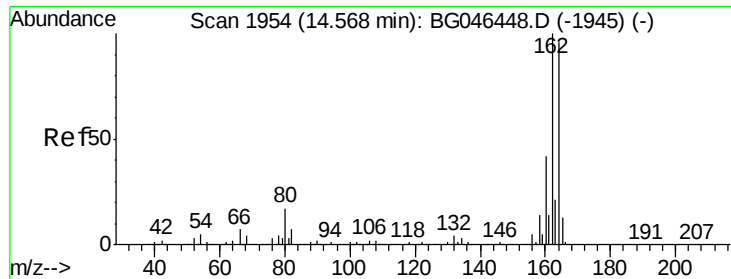
#23
Nitrobenzene-d5
Concen: 78.895 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046535.D
Acq: 4 Sep 2020 10:56

Tgt Ion: 82	Resp: 366929
Ion Ratio	Lower Upper
82 100	
128 44.8	35.7 53.5
54 49.4	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: BG046535.D

Acq: 4 Sep 2020 10:56

Instrument :

BNA_G

ClientSampleId :

PB131406TB

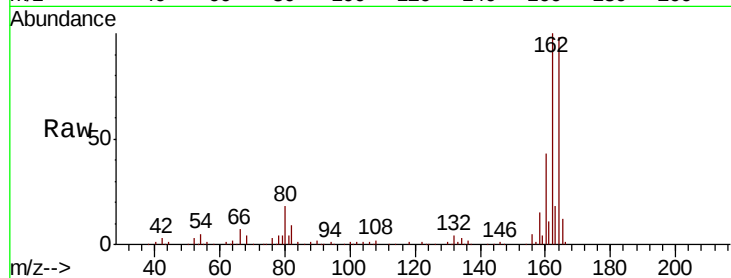
Tot Ion:164 Resp: 183508

Ion Ratio Lower Upper

164 100

162 102.3 83.3 124.9

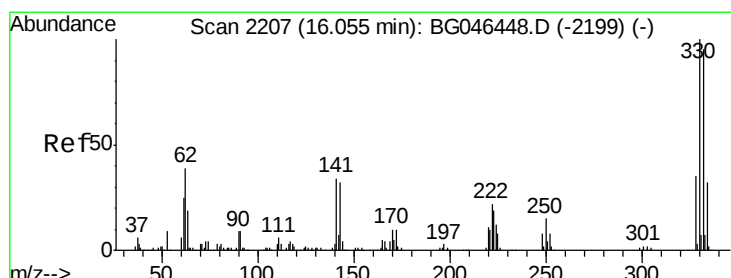
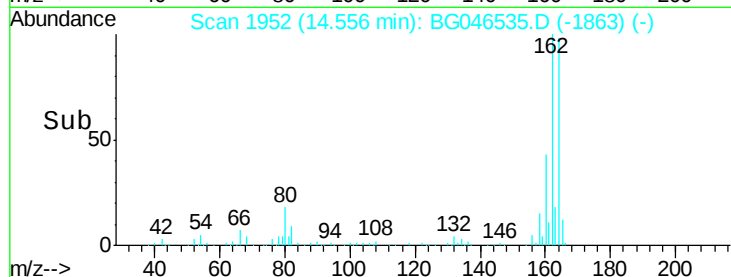
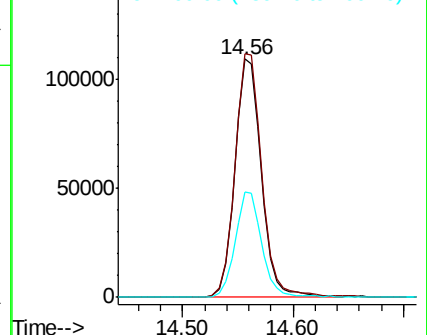
160 44.5 35.0 52.6



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: 103.685 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046535.D

Acq: 4 Sep 2020 10:56

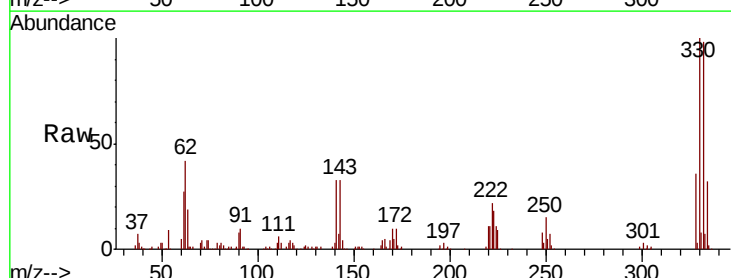
Tgt Ion:330 Resp: 257804

Ion Ratio Lower Upper

330 100

332 97.1 76.1 114.1

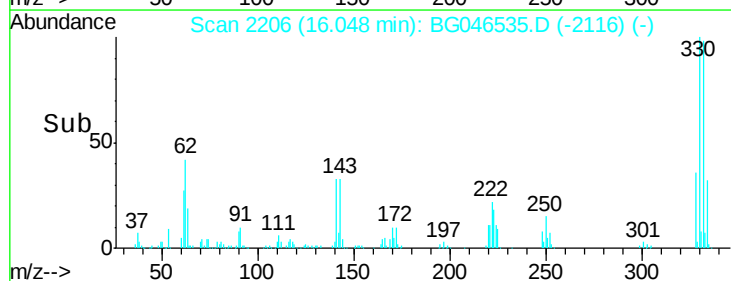
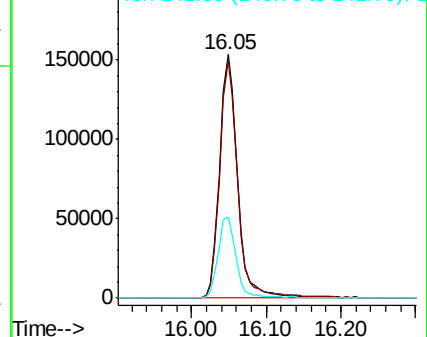
141 33.1 26.1 39.1

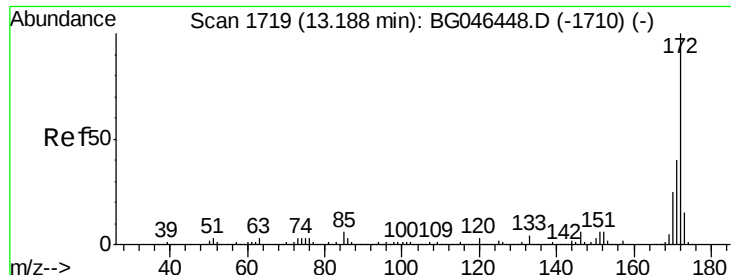


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

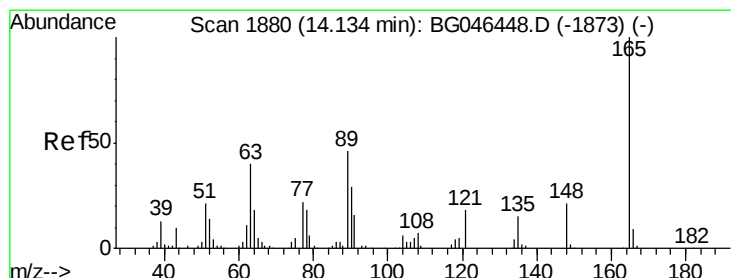
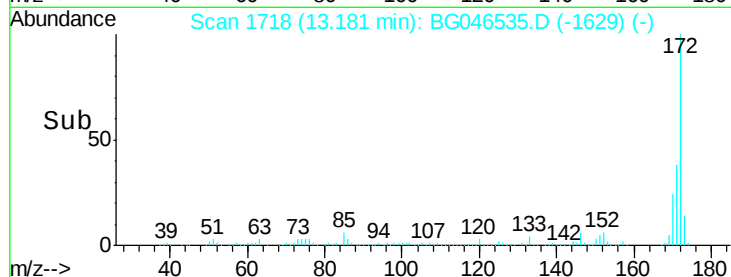
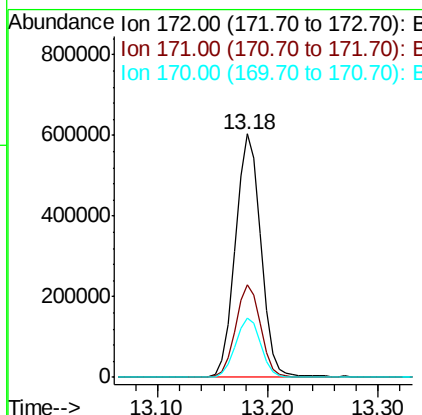
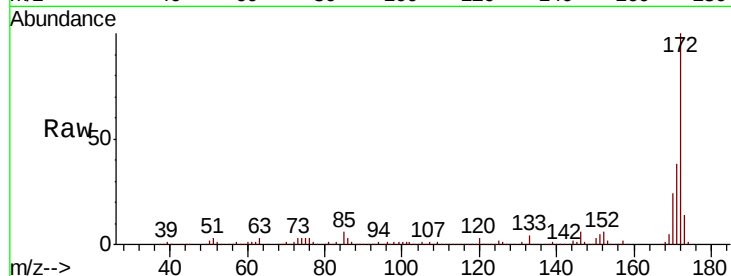




#45
 2-Fluorobiphenyl
 Concen: 81.770 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

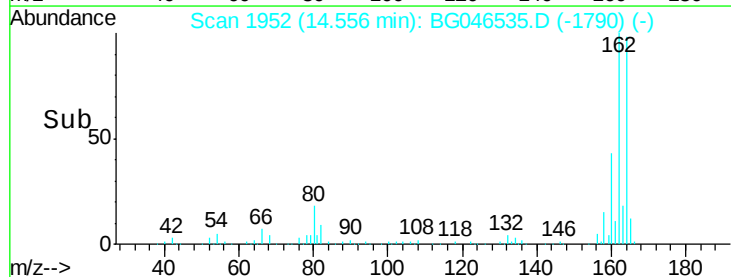
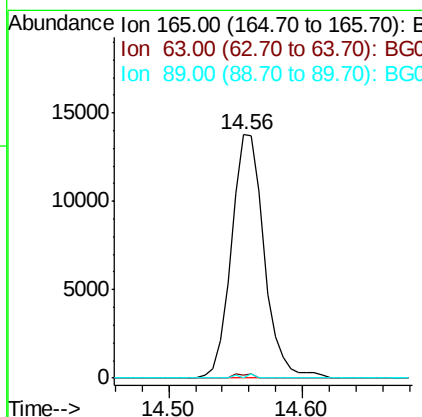
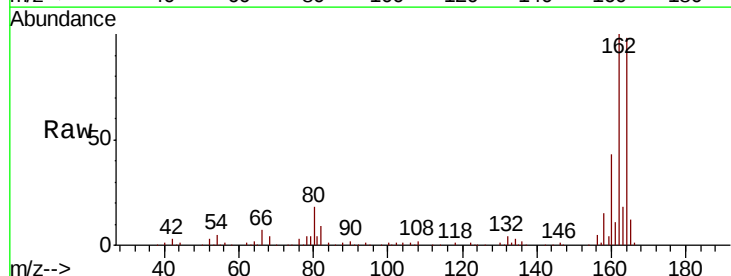
Instrument :
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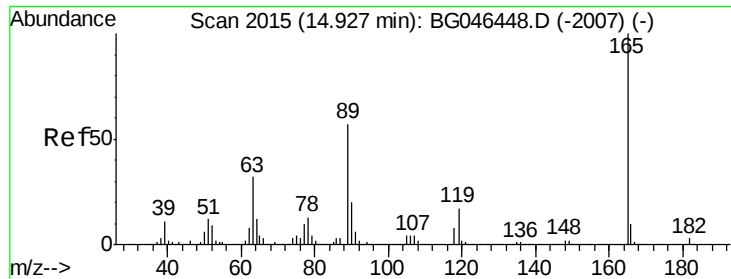
Tot Ion:172 Resp: 982958
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.8 47.6
 170 24.4 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.508 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

Tgt Ion:165 Resp: 23495
 Ion Ratio Lower Upper
 165 100
 63 1.3 34.2 51.4#
 89 0.0 37.0 55.4#

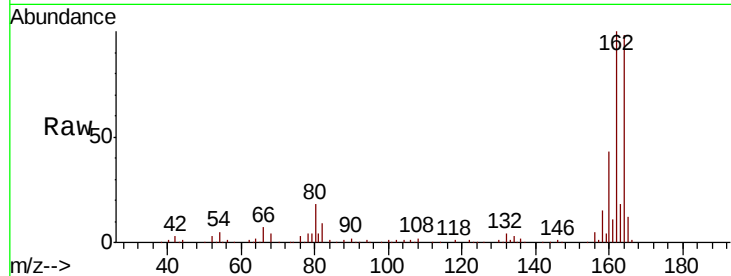




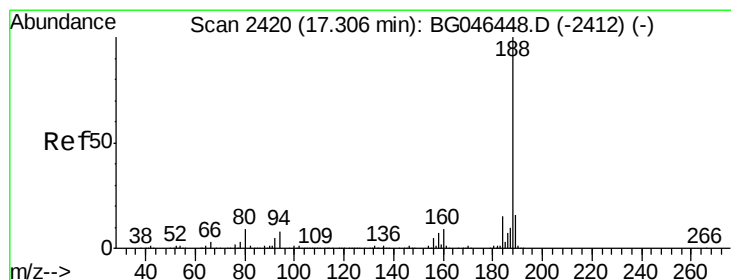
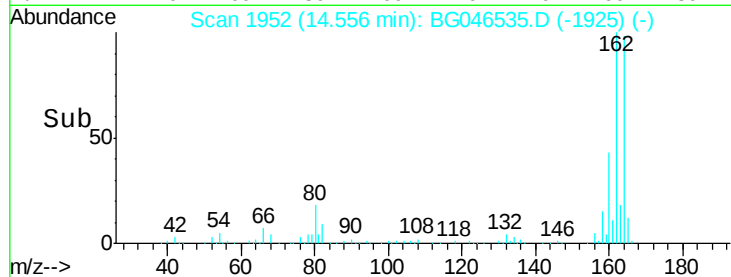
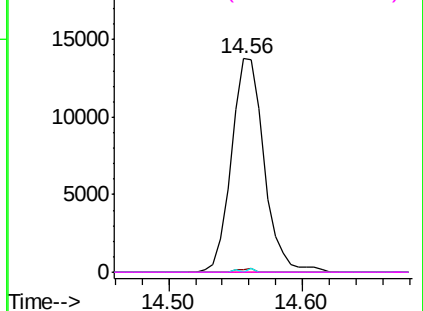
#57
 2,4-Dinitrotoluene
 Concen: 5.265 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

Instrument :
 BNA_G
 ClientSampleId :
 PB131406TB

Tot Ion:165	Resp:	23495
Ion Ratio	Lower	Upper
165	100	
63	1.3	25.4 38.0#
89	0.0	45.9 68.9#
182	0.0	2.3 3.5#

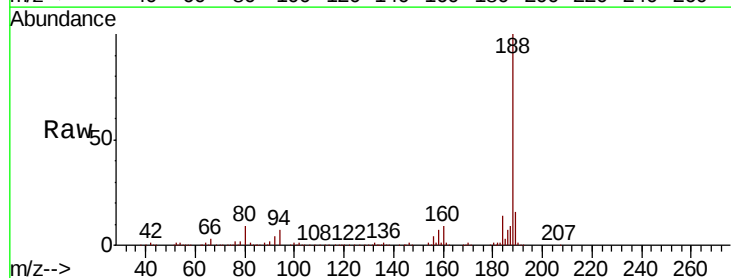


Abundance Ion 165.00 (164.70 to 165.70): E

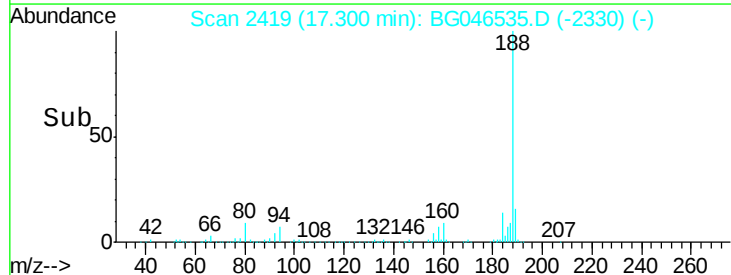
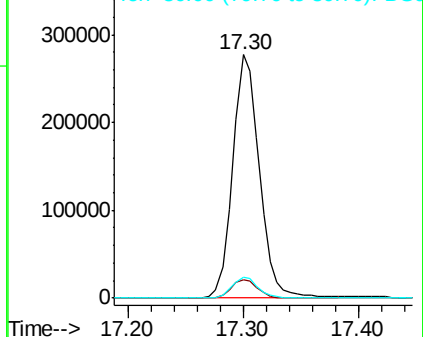


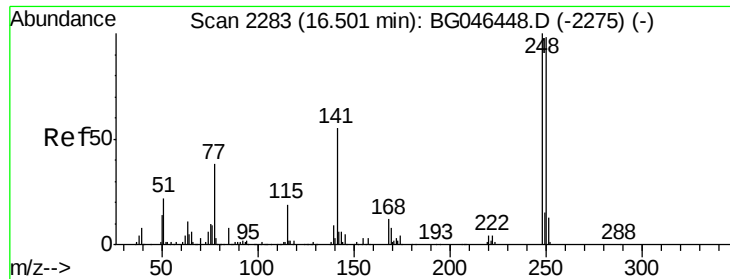
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

Tgt Ion:188	Resp:	443744
Ion Ratio	Lower	Upper
188	100	
94	7.3	6.3 9.5
80	8.7	6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

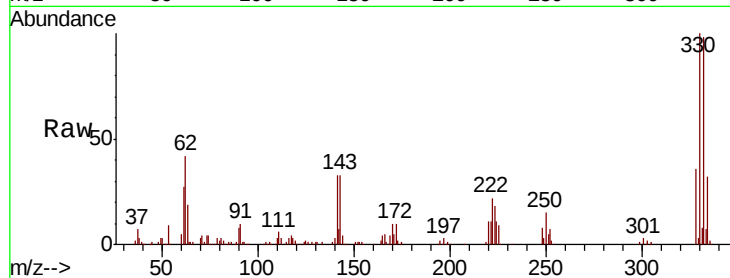




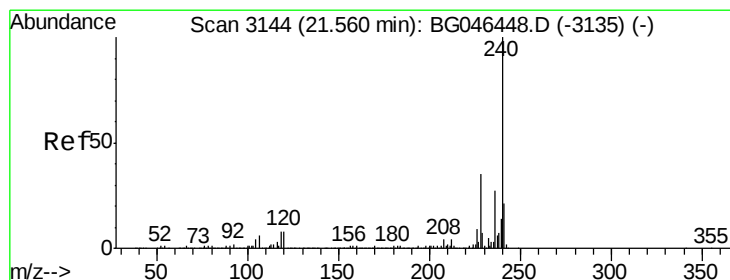
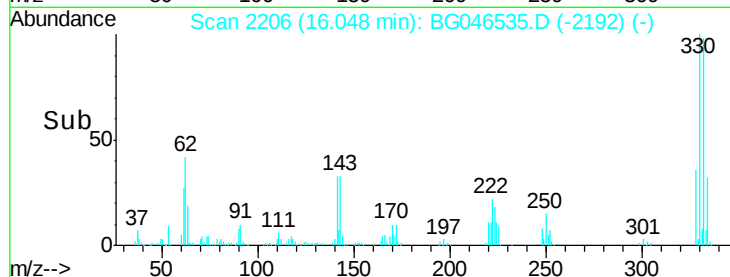
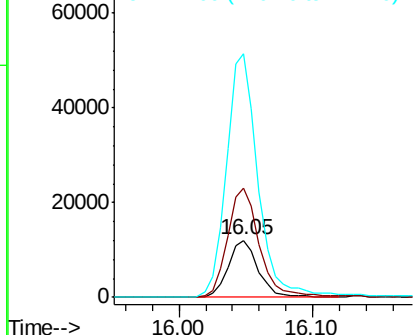
#67
 4-Bromophenyl-phenylether
 Concen: 3.673 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.45 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

Instrument :
 BNA_G
 ClientSampleId :
 PB131406TB

Tot Ion:248 Resp: 19016
 Ion Ratio Lower Upper
 248 100
 250 193.3 78.6 118.0#
 141 429.2 43.9 65.9#

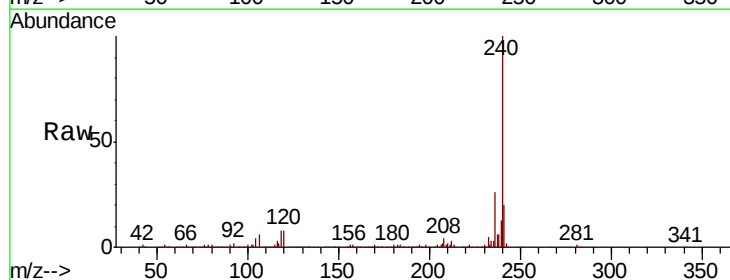


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

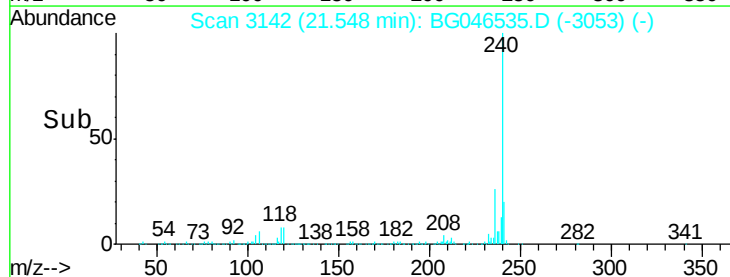
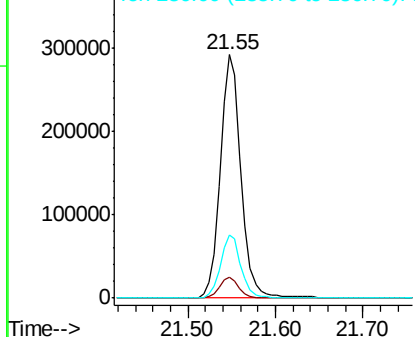


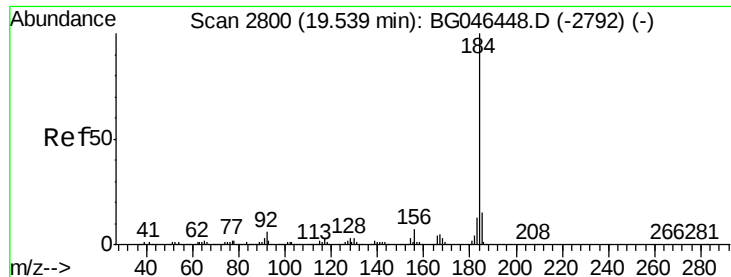
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.01 min
 Lab File: BG046535.D
 Acq: 4 Sep 2020 10:56

Tgt Ion:240 Resp: 476943
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.6 10.0
 236 25.7 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: 2.139 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046535.D

Acq: 4 Sep 2020 10:56

Instrument :

BNA_G

ClientSampleId :

PB131406TB

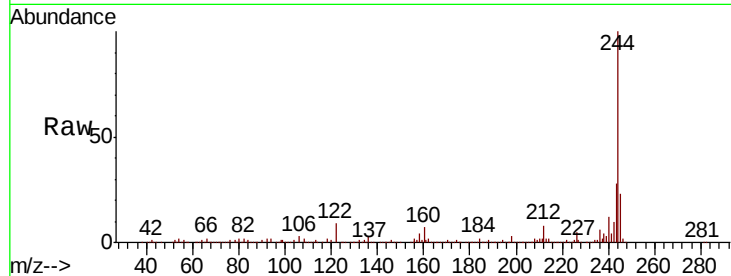
Tot Ion:184 Resp: 23706

Ion Ratio Lower Upper

184 100

185 18.6 11.8 17.8#

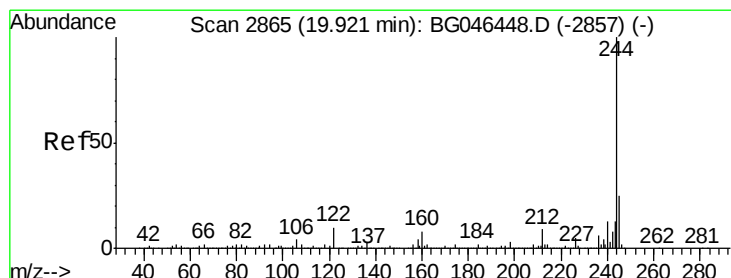
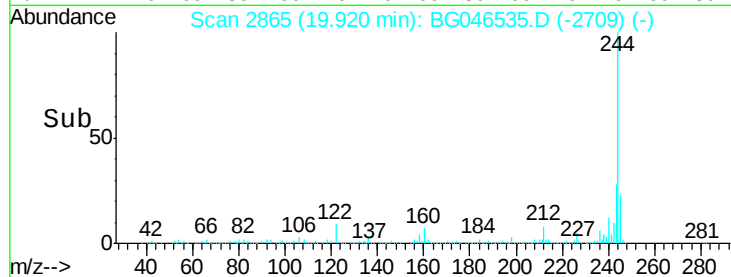
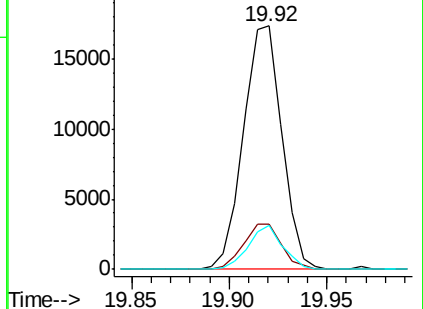
183 17.8 10.7 16.1#



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: 72.547 ng

RT: 19.91 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG046535.D

Acq: 4 Sep 2020 10:56

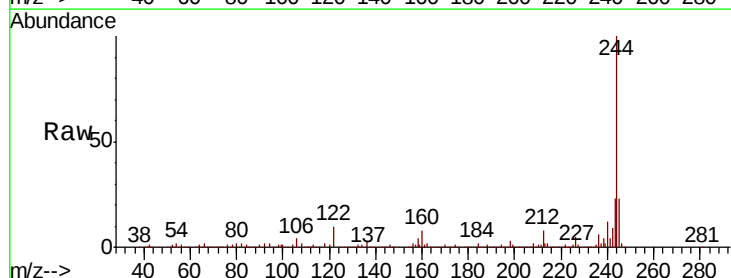
Tgt Ion:244 Resp: 1625844

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

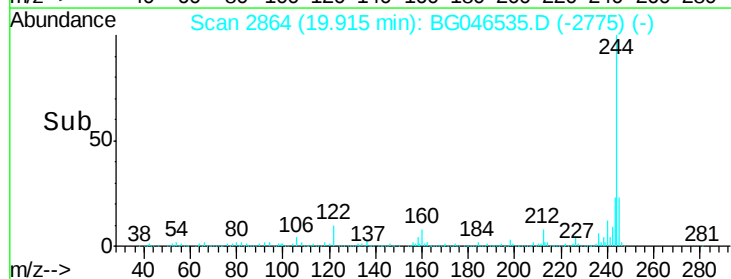
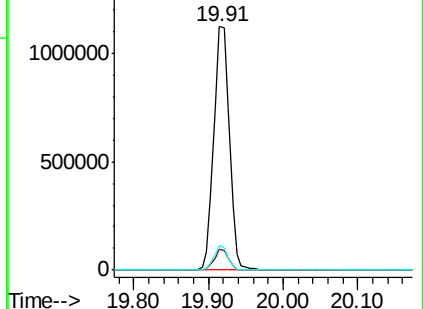
122 9.9 8.2 12.4

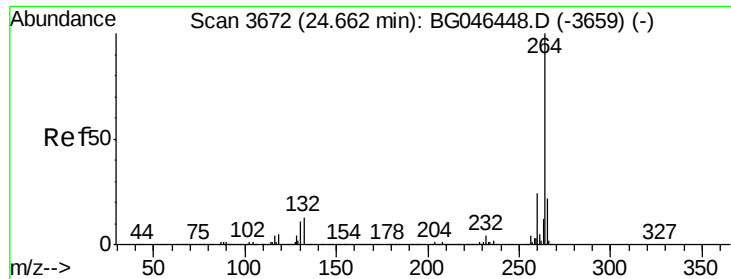


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046535.D
Acq: 4 Sep 2020 10:56

Instrument :
BNA_G
ClientSampleId :
PB131406TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.9	26.9

