

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091720\
 Data File : BG046659.D
 Acq On : 17 Sep 2020 11:51
 Operator : CG/JU
 Sample : PB131657TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 12:58:42 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 16 11:07:52 2020
 Response via : Initial Calibration

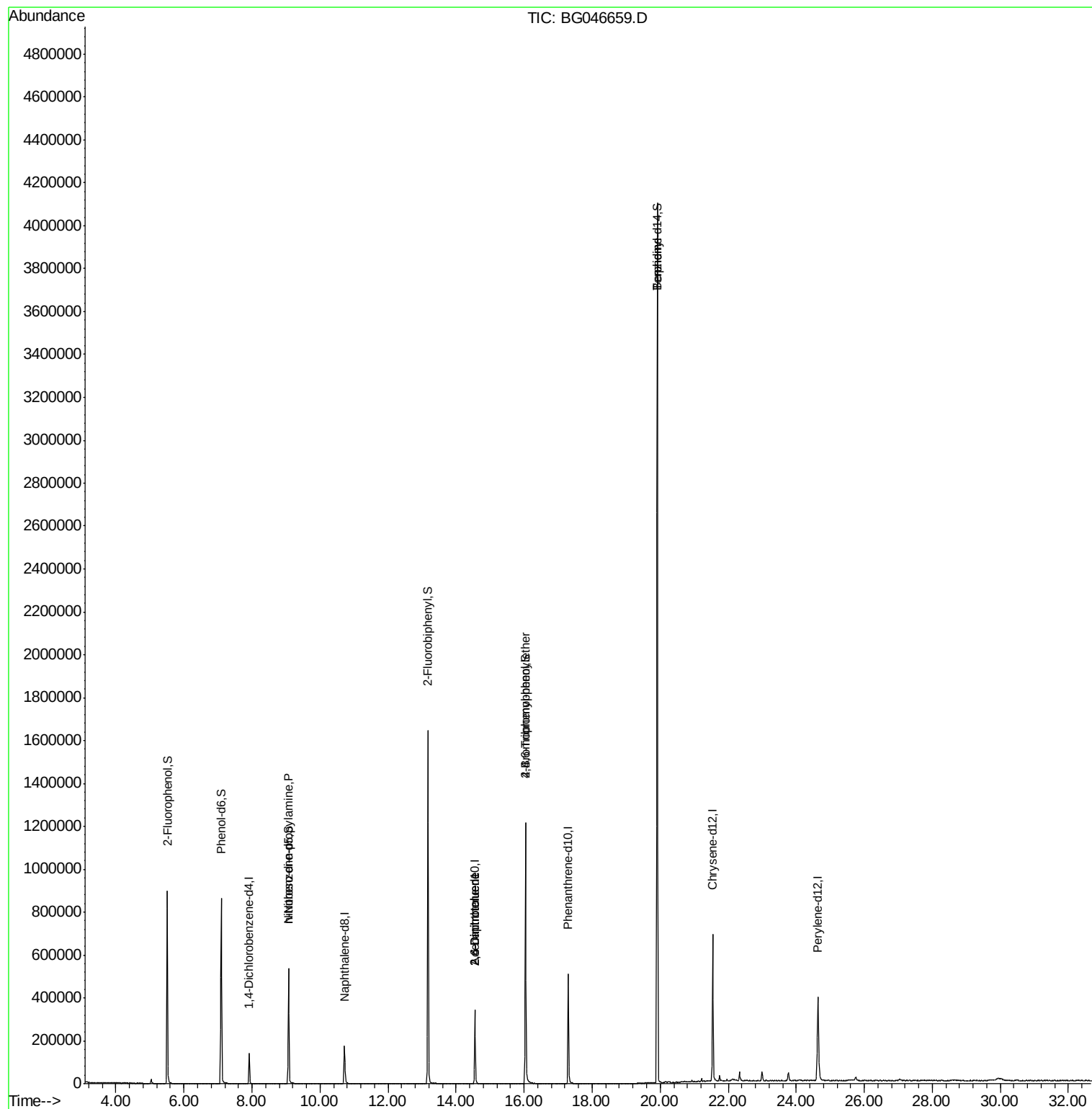
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	46427	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	193707	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	136836	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	370277	20.00	ng	0.00
76) Chrysene-d12	21.54	240	453343	20.00	ng	0.00
86) Perylene-d12	24.64	264	431748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	425556	162.35	ng	0.00
7) Phenol-d6	7.10	99	559815	150.65	ng	0.00
23) Nitrobenzene-d5	9.08	82	355686	104.95	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	273106	147.30	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	990636	110.52	ng	0.00
79) Terphenyl-d14	19.92	244	1935293	90.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	44634	20.081	ng	# 75
51) 2,6-Dinitrotoluene	14.55	165	18389	7.880	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	18389	5.526	ng	# 31
67) 4-Bromophenyl-phenylether	16.04	248	20522	4.751	ng	# 1
77) Benzidine	19.92	184	30892	2.933	ng	95

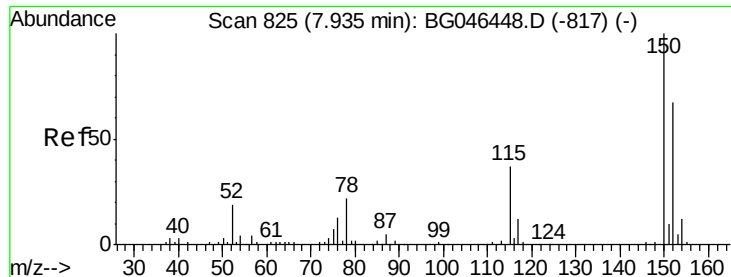
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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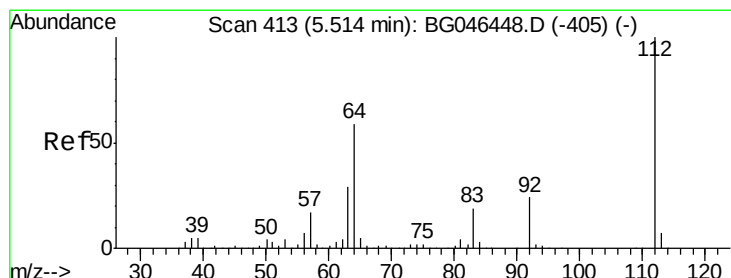
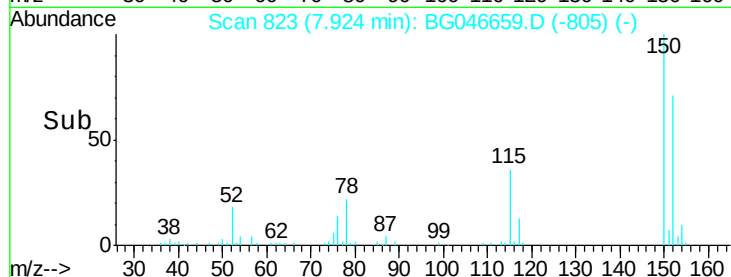
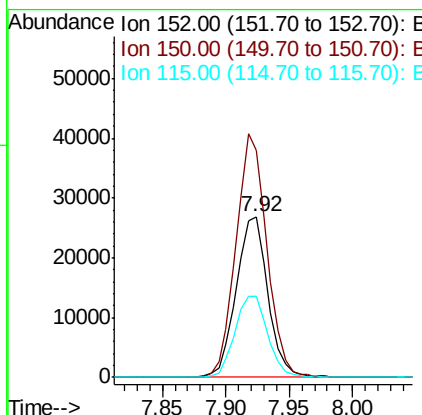
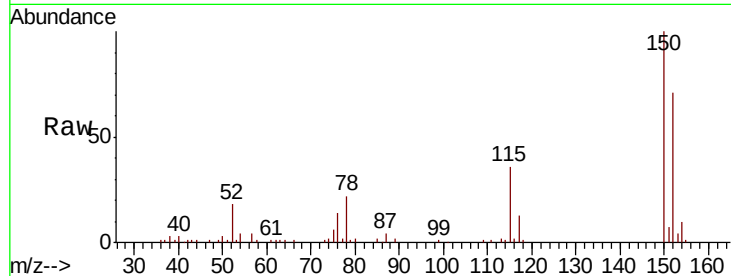




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BG046659.D
 Acq: 17 Sep 2020 11:51

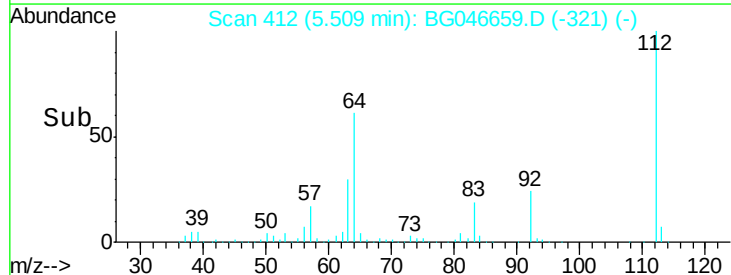
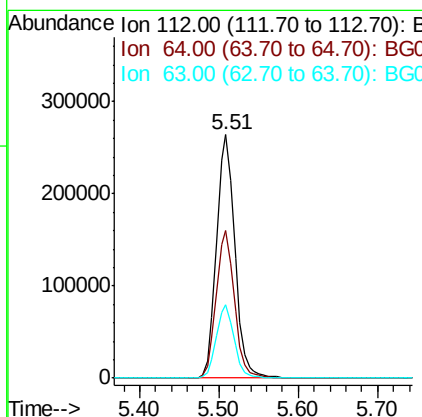
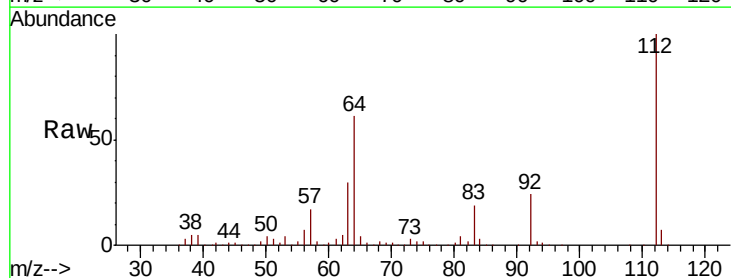
Instrument :
 BNA_G
 ClientSampled :

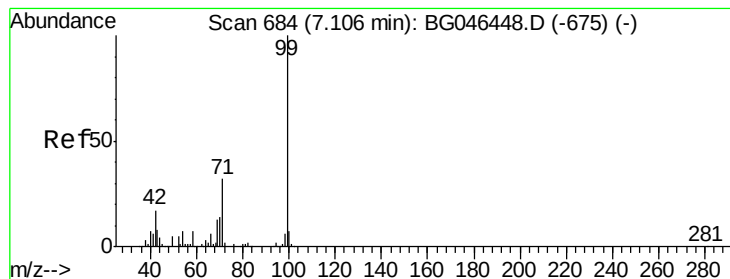
Tot Ion:152 Resp: 46427
 Ion Ratio Lower Upper
 152 100
 150 140.8 125.0 187.6
 115 50.3 41.8 62.6



#5
 2-Fluorophenol
 Concen: 162.349 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046659.D
 Acq: 17 Sep 2020 11:51

Tgt Ion:112 Resp: 425556
 Ion Ratio Lower Upper
 112 100
 64 60.8 46.7 70.1
 63 29.9 22.8 34.2





#7

Phenol-d6

Concen: 150.655 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Instrument :

BNA_G

ClientSampleId :

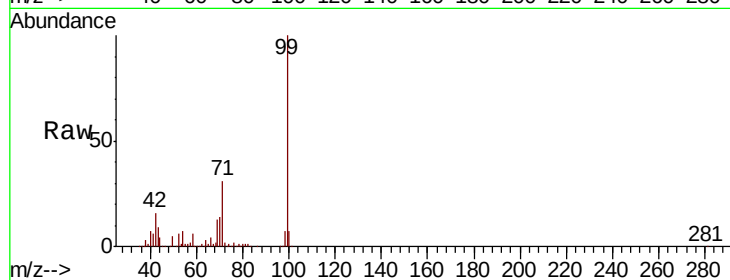
Tot Ion: 99 Resp: 559815

Ion Ratio Lower Upper

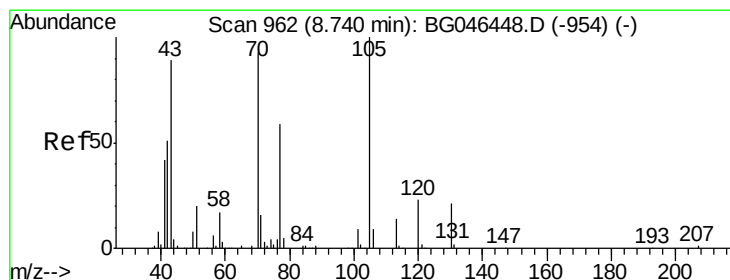
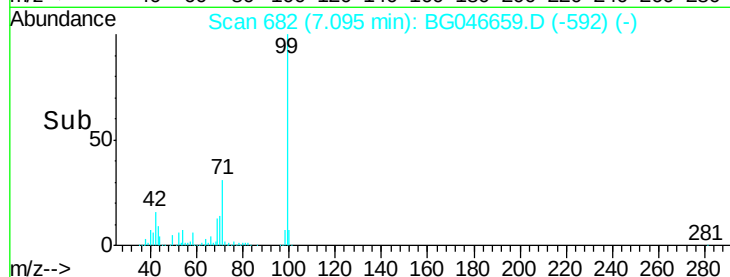
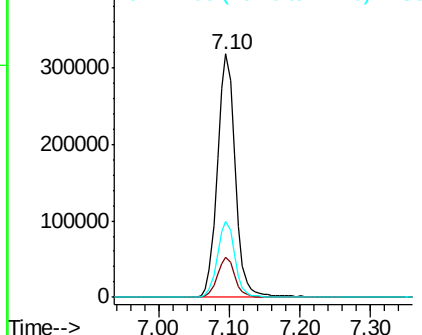
99 100

42 16.2 12.8 19.2

71 31.3 24.6 36.8



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: 20.081 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Tgt Ion: 70 Resp: 44634

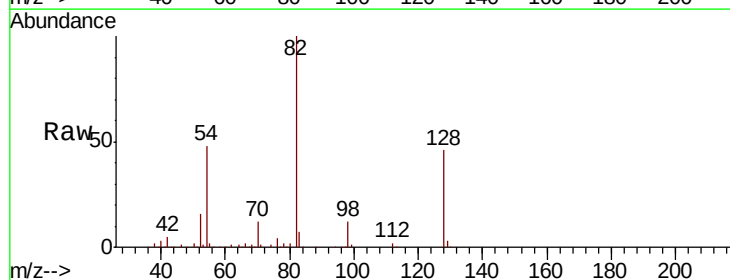
Ion Ratio Lower Upper

70 100

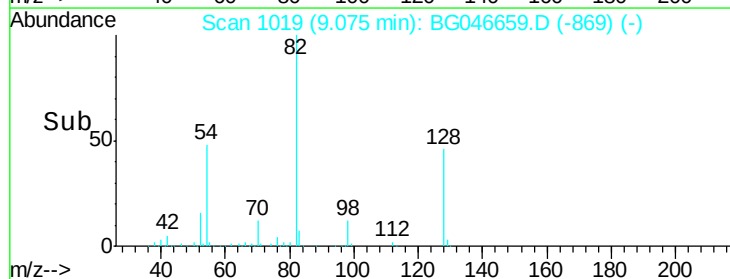
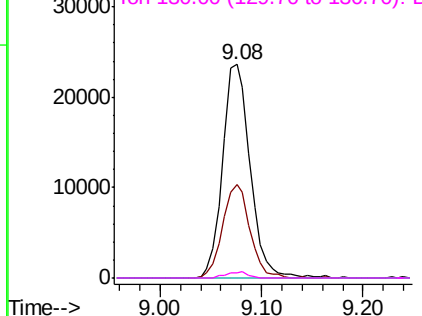
42 43.6 45.6 68.4#

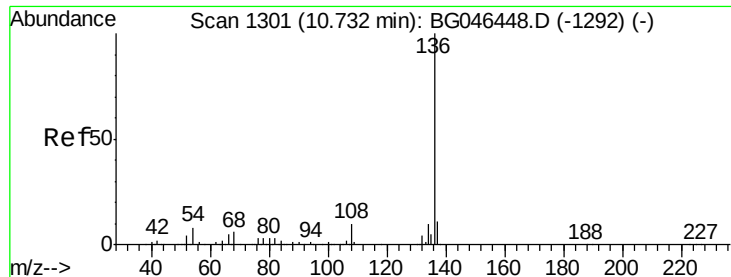
101 0.0 8.4 12.6#

130 2.6 17.8 26.8#



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

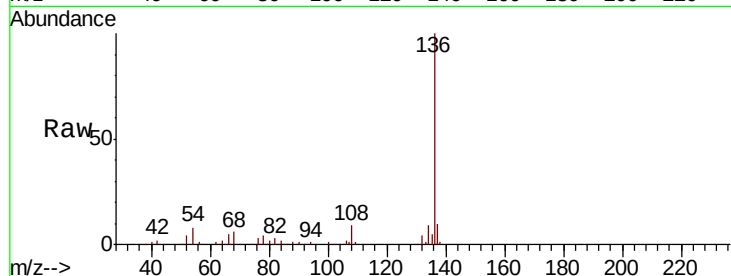




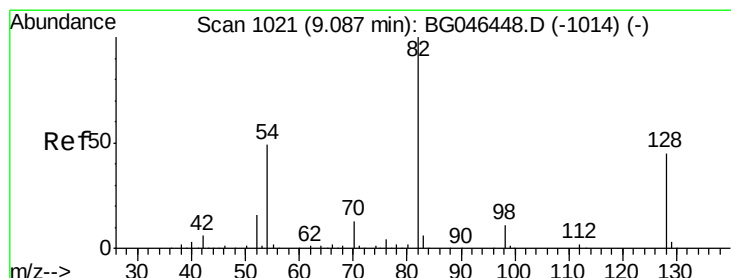
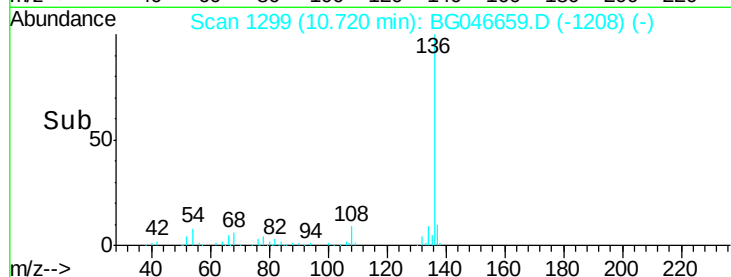
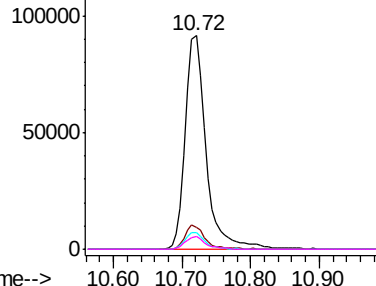
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	193707
Ion Ratio	Lower	Upper
136 100		
137 10.3	9.1	13.7
54 7.6	6.2	9.4
68 5.8	5.0	7.4

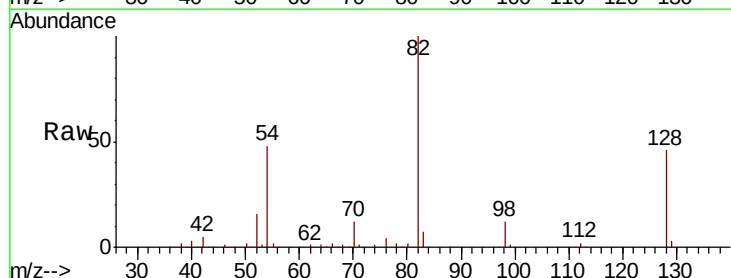


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

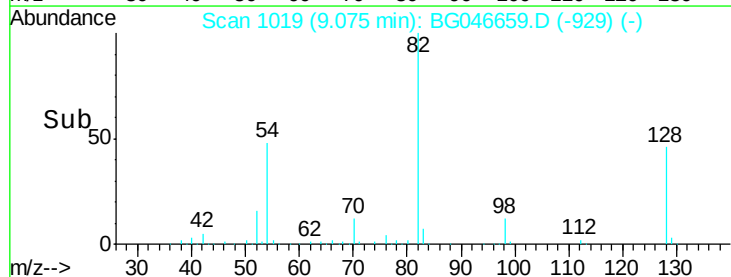
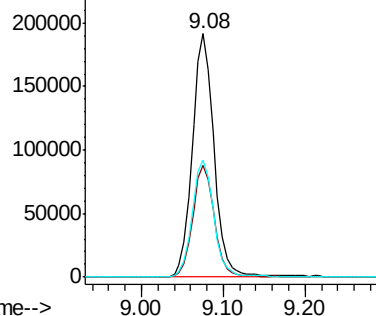


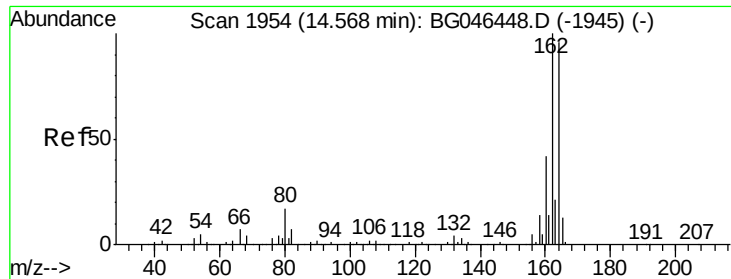
#23
Nitrobenzene-d5
Concen: 104.949 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Tgt Ion: 82	Resp: 355686
Ion Ratio	Lower Upper
82 100	
128 45.8	37.0 55.6
54 48.0	39.0 58.4



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

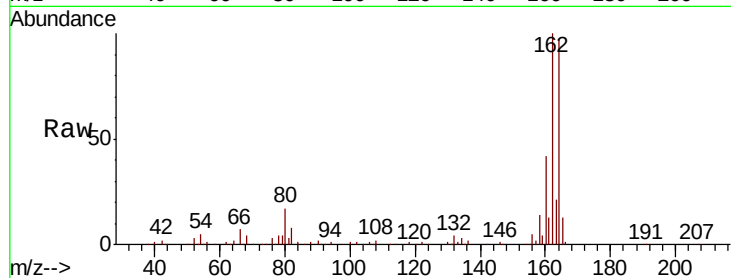




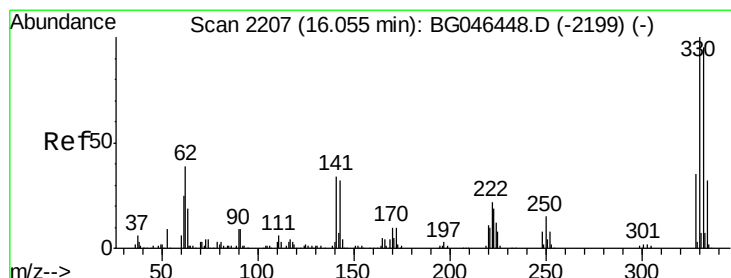
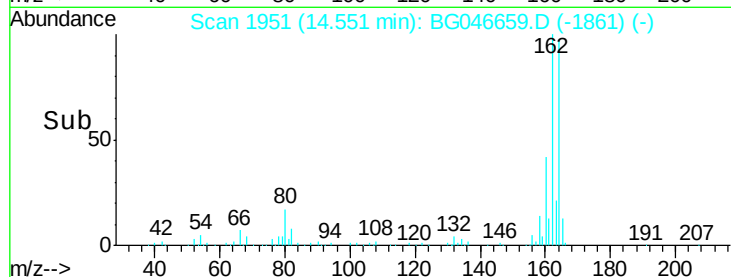
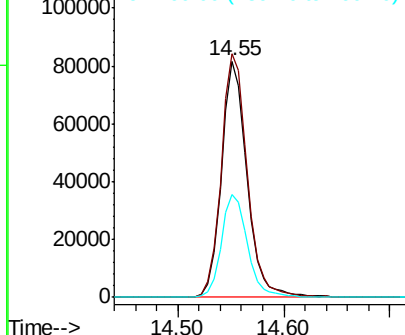
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 136836
Ion Ratio Lower Upper
164 100
162 103.2 82.3 123.5
160 43.3 35.3 52.9

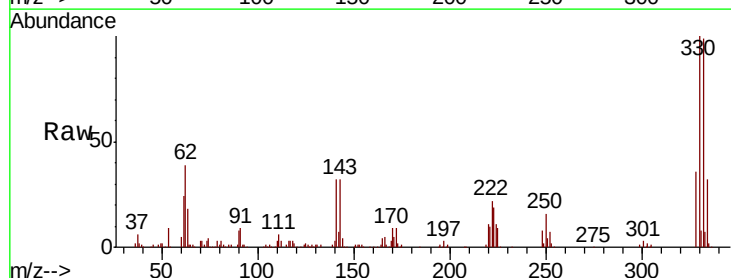


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

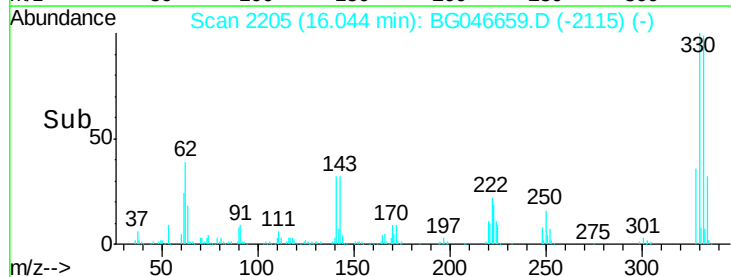
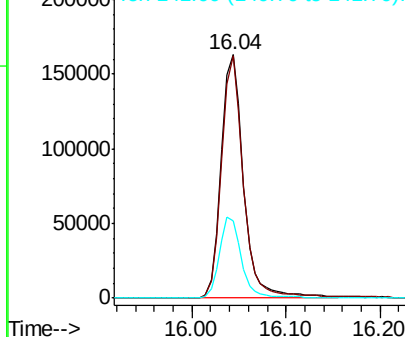


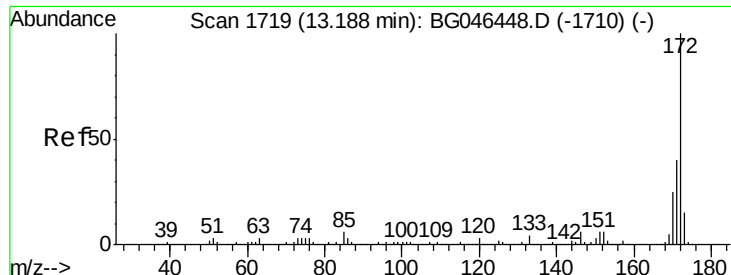
#42
2,4,6-Tribromophenol
Concen: 147.304 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Tgt Ion:330 Resp: 273106
Ion Ratio Lower Upper
330 100
332 98.0 76.5 114.7
141 33.0 26.0 39.0



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

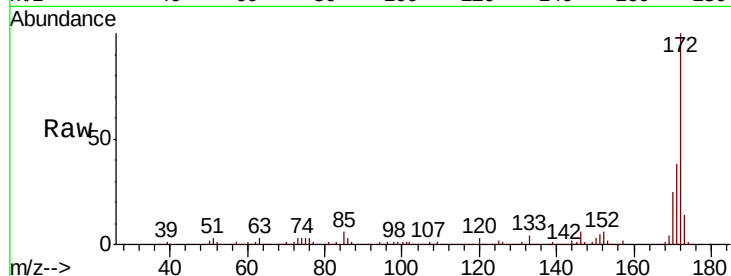




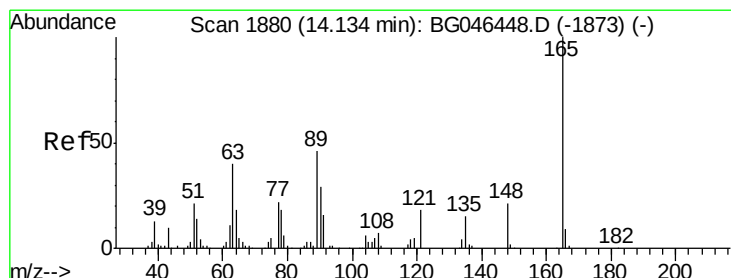
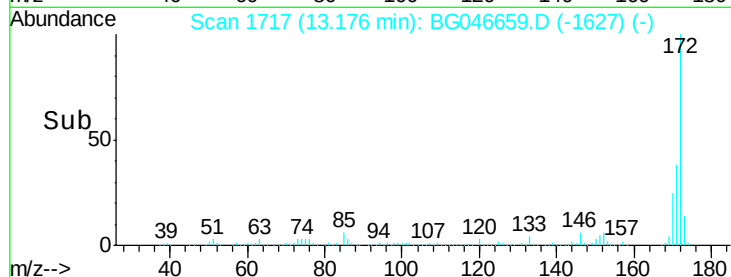
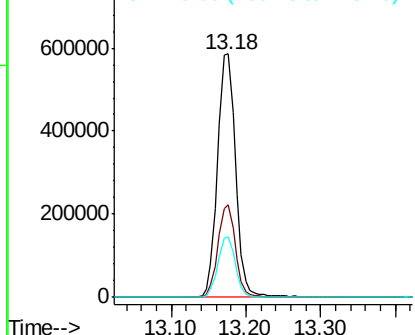
#45
2-Fluorobiphenyl
Concen: 110.517 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.3	46.9
170	24.8	20.8	31.2

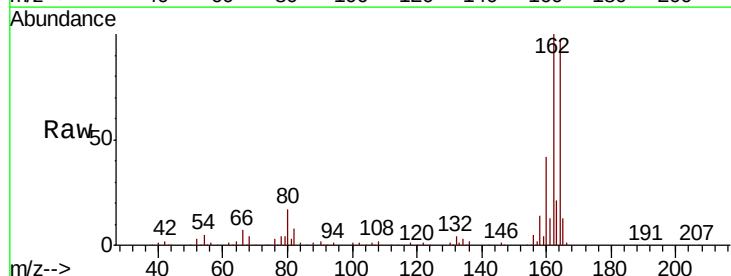


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

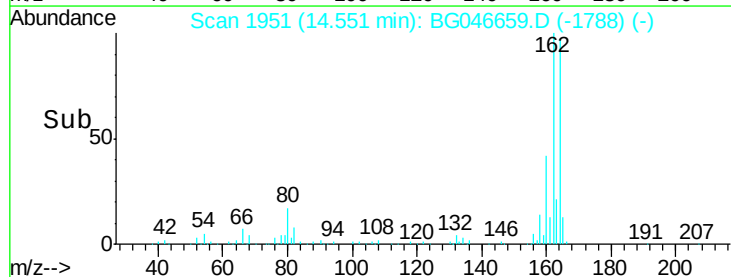
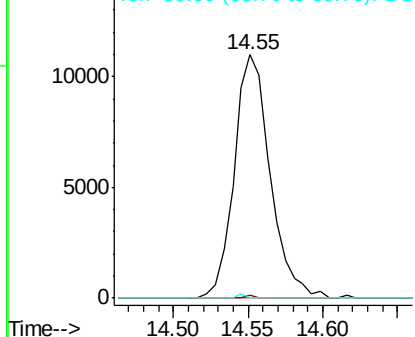


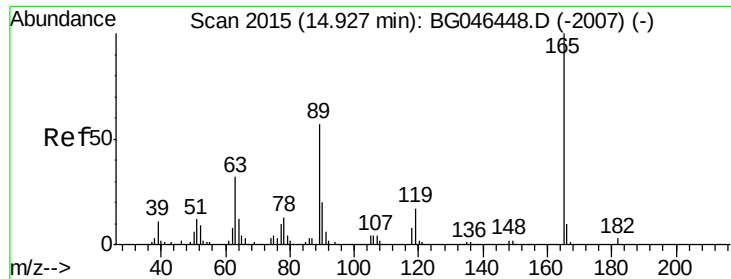
#51
2,6-Dinitrotoluene
Concen: 7.880 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.7	50.5#
89	0.0	36.6	54.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

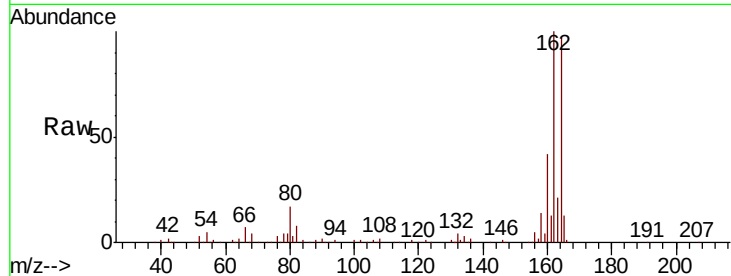




#57
 2,4-Dinitrotoluene
 Concen: 5.526 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046659.D
 Acq: 17 Sep 2020 11:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	26.4	39.6#
89	0.0	47.8	71.8#
182	0.0	2.6	4.0#

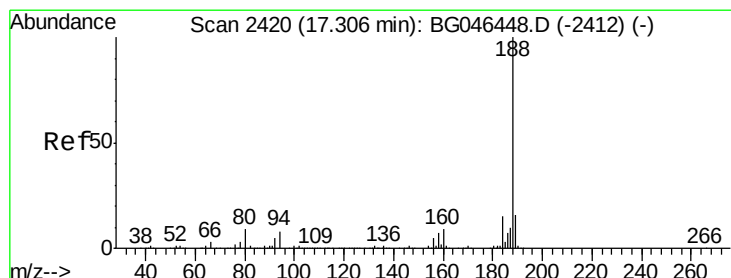
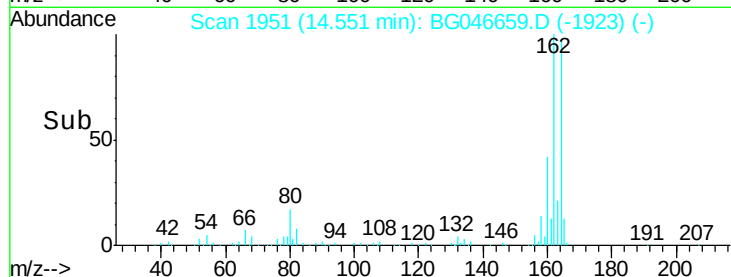
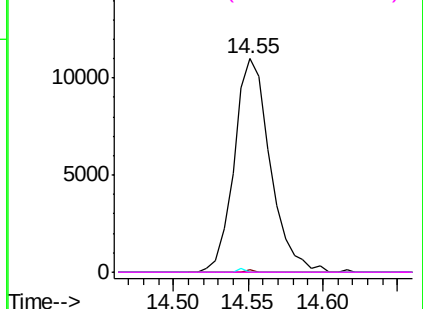


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

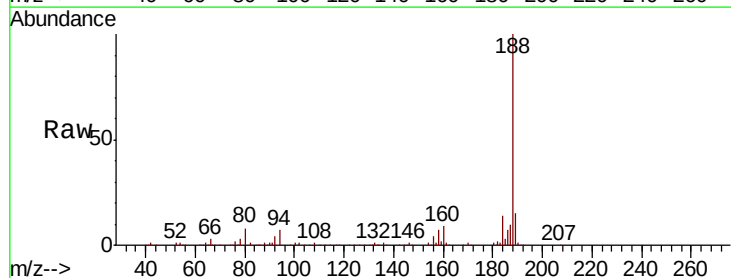
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG046659.D
 Acq: 17 Sep 2020 11:51

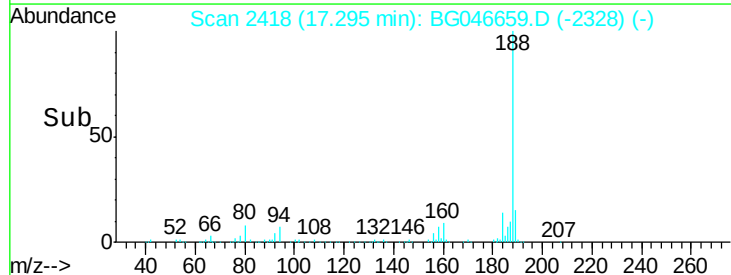
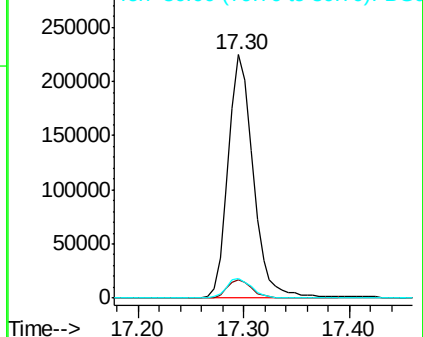
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.3	9.5
80	8.1	7.0	10.6

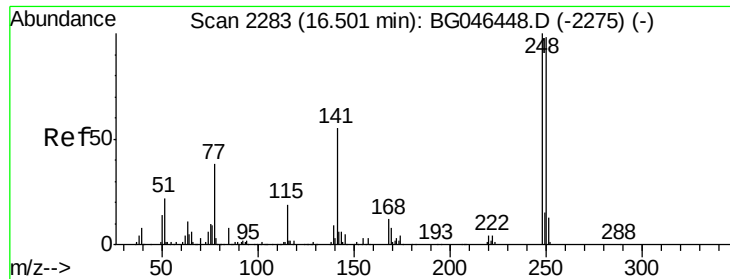


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

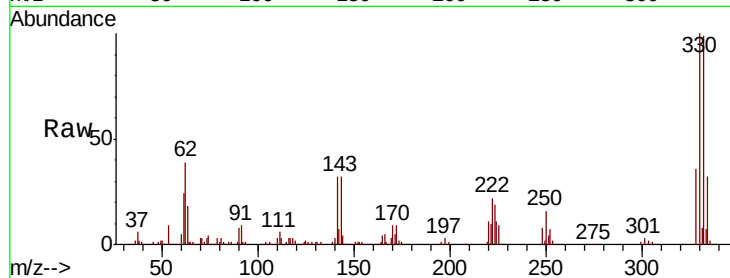




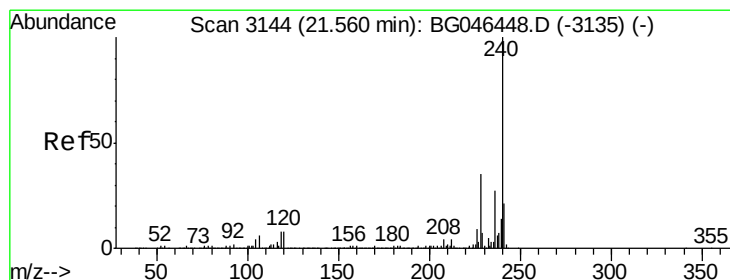
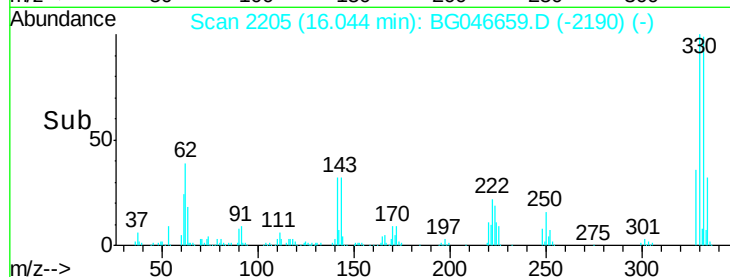
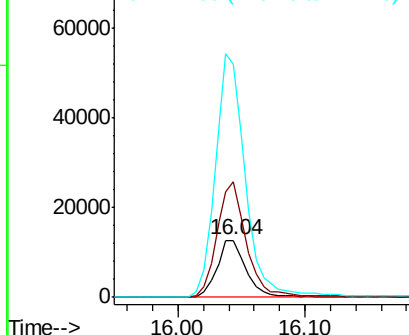
#67
4-Bromophenyl-phenylether
Concen: 4.751 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.44 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20522
Ion Ratio Lower Upper
248 100
250 203.1 78.9 118.3#
141 409.7 46.2 69.4#

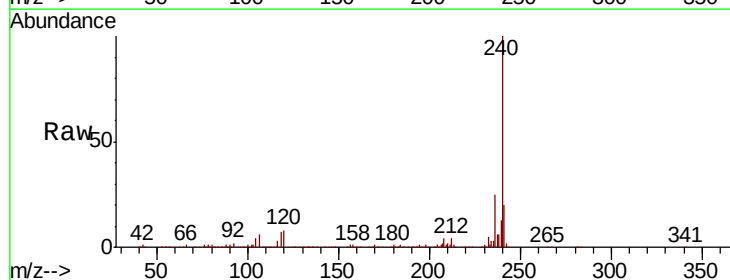


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

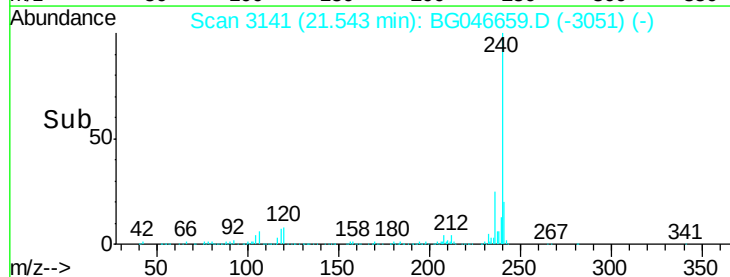
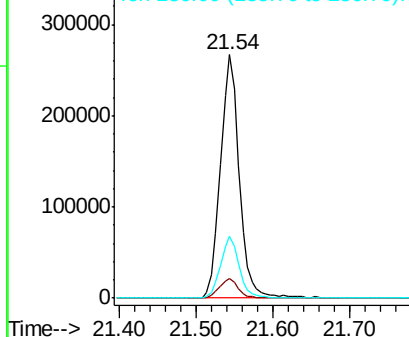


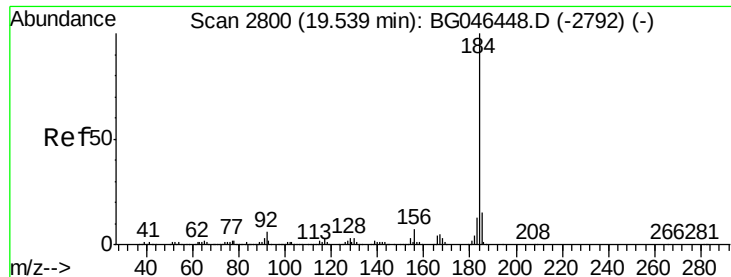
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Tgt Ion:240 Resp: 453343
Ion Ratio Lower Upper
240 100
120 8.2 6.2 9.4
236 25.3 20.5 30.7



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: 2.933 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Instrument :

BNA_G

ClientSampleId :

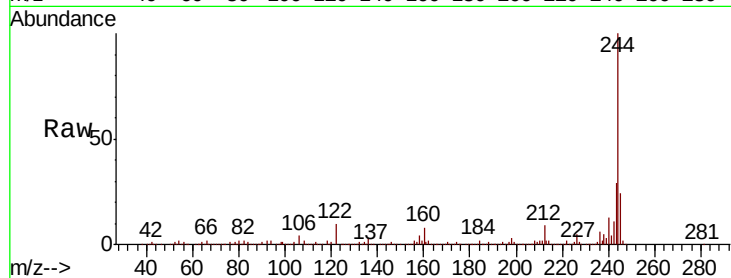
Tot Ion:184 Resp: 30892

Ion Ratio Lower Upper

184 100

185 17.3 12.4 18.6

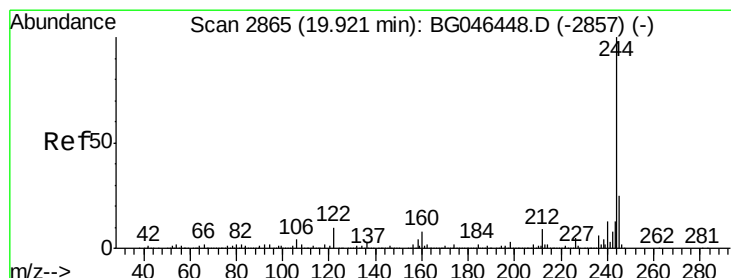
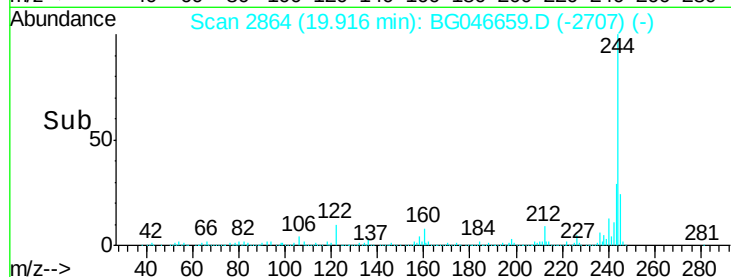
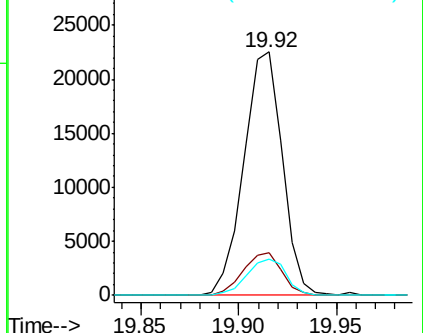
183 15.1 10.6 15.8



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: 90.851 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

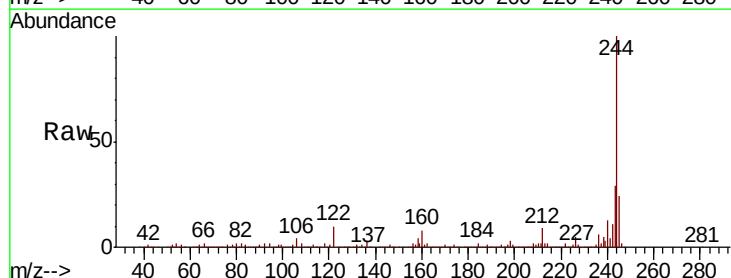
Tgt Ion:244 Resp: 1935293

Ion Ratio Lower Upper

244 100

212 8.6 6.7 10.1

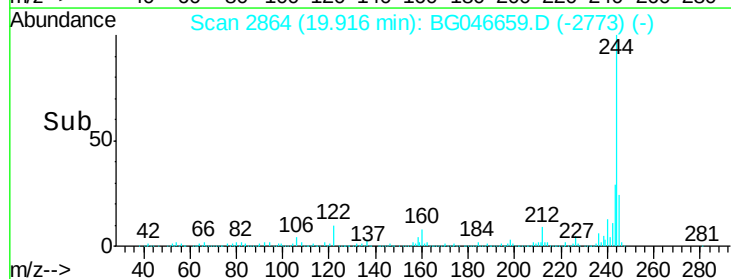
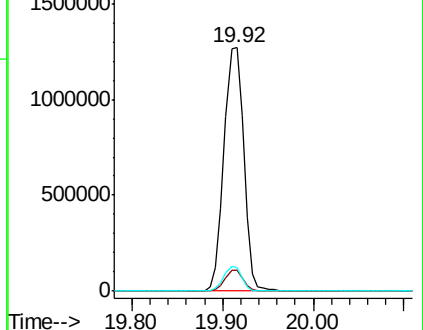
122 9.7 7.8 11.6

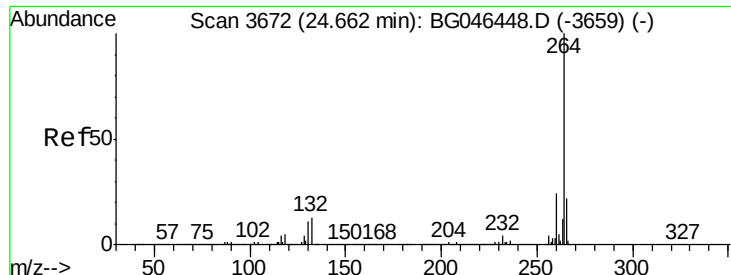


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

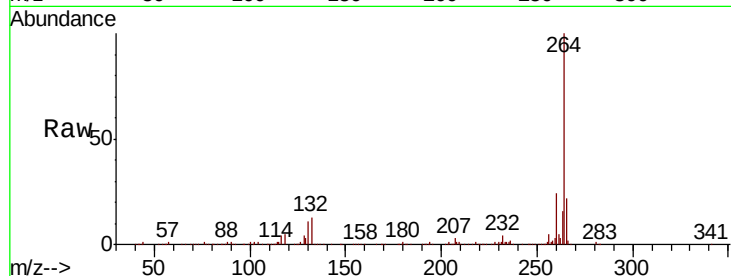




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3668
Delta R.T. 0.01 min
Lab File: BG046659.D
Acq: 17 Sep 2020 11:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.1	17.8	26.8



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

