

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030320\
 Data File : BG044669.D
 Acq On : 3 Mar 2020 19:31
 Operator : CG/JU
 Sample : L1723-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 04 03:46:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

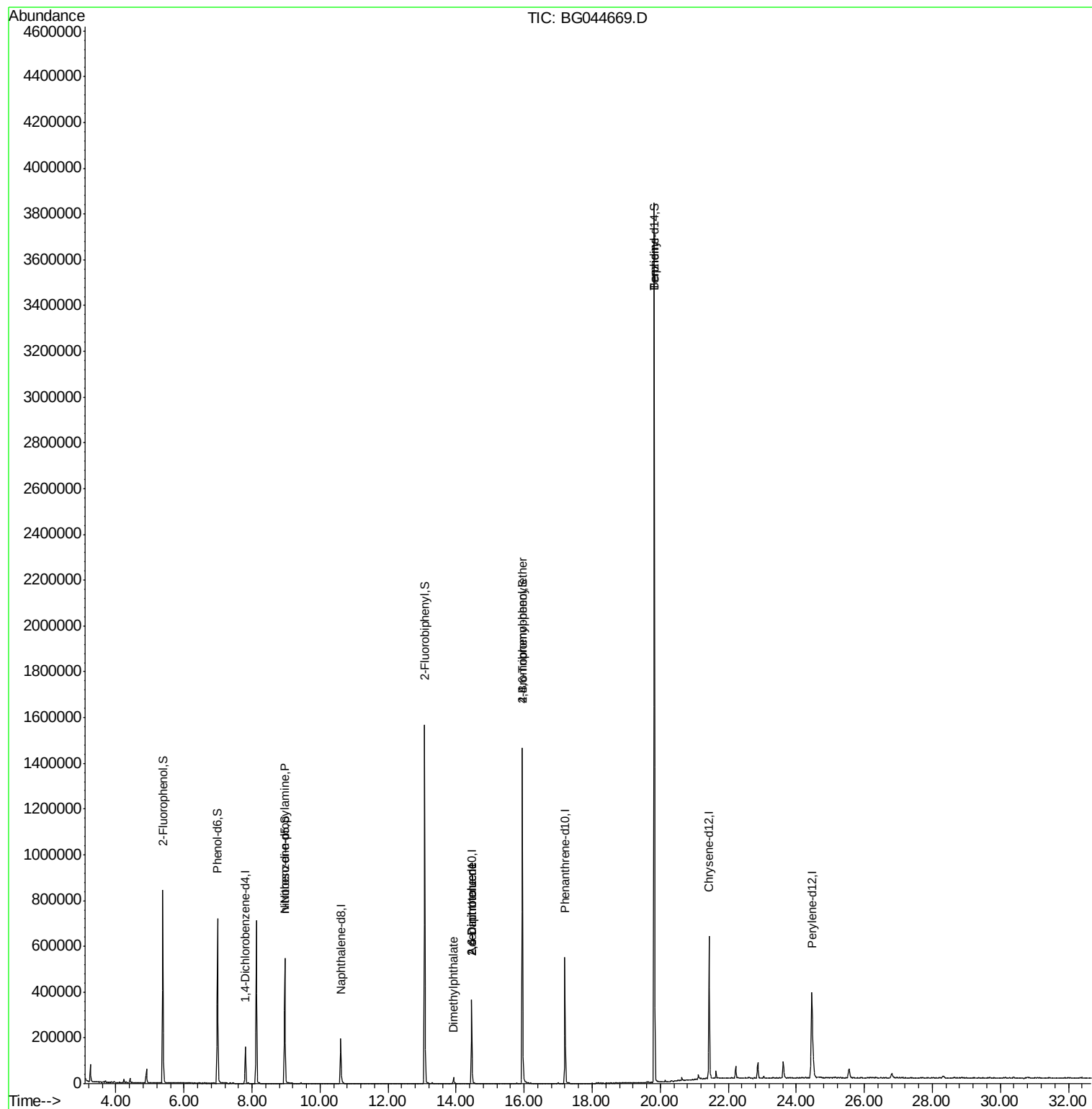
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	47250	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	193545	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	137882	20.00	ng	-0.06
64) Phenanthrene-d10	17.20	188	359152	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	364315	20.00	ng	-0.07
87) Perylene-d12	24.46	264	404983	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	406653	138.09	ng	-0.07
7) Phenol-d6	6.98	99	478862	118.79	ng	-0.07
23) Nitrobenzene-d5	8.96	82	353808	94.18	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	312950	160.07	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	851609	88.44	ng	-0.06
79) Terphenyl-d14	19.83	244	1782448	92.62	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.96	70	44685	17.246	ng	# 76
50) Dimethylphthalate	13.92	163	24397	2.192	ng	# 99
51) 2,6-Dinitrotoluene	14.46	165	17707	7.214	ng	# 31
57) 2,4-Dinitrotoluene	14.46	165	17707	5.131	ng	# 29
67) 4-Bromophenyl-phenylether	15.95	248	20968	4.703	ng	# 1
77) Benzidine	19.83	184	27034	2.166	ng	# 93

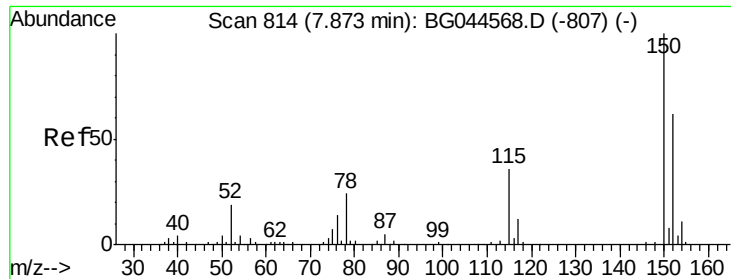
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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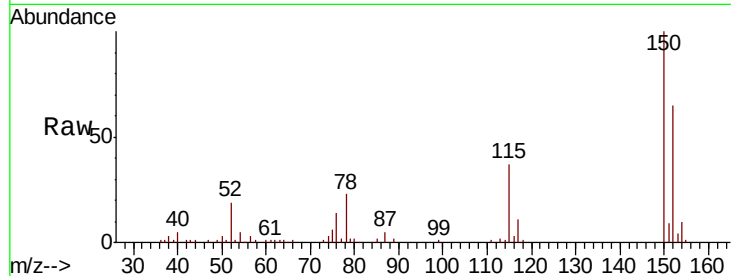


#1

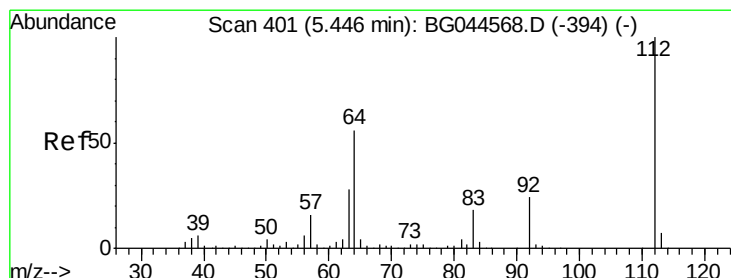
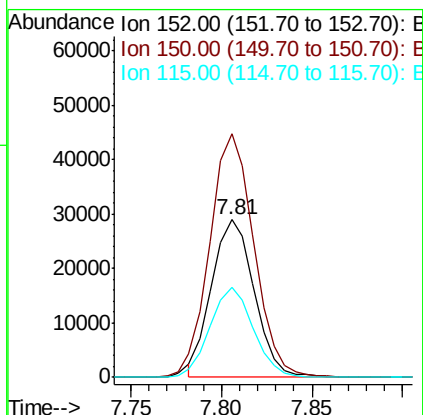
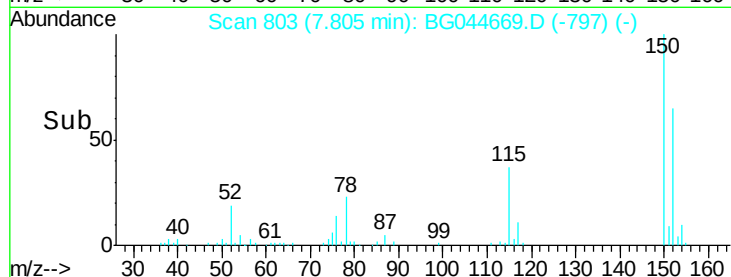
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.81 min Scan# 803
Delta R.T. -0.07 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 47250
Ion Ratio Lower Upper
152 100
150 154.7 128.9 193.3
115 57.2 47.0 70.4



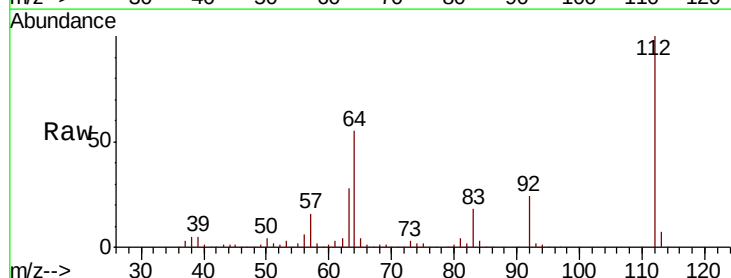
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



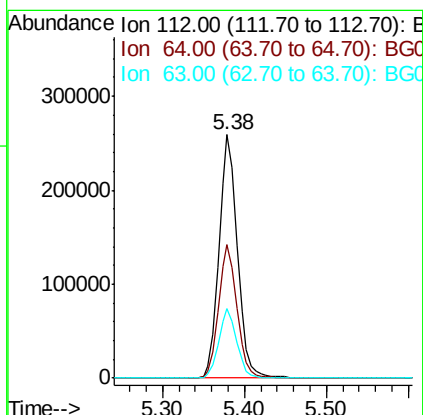
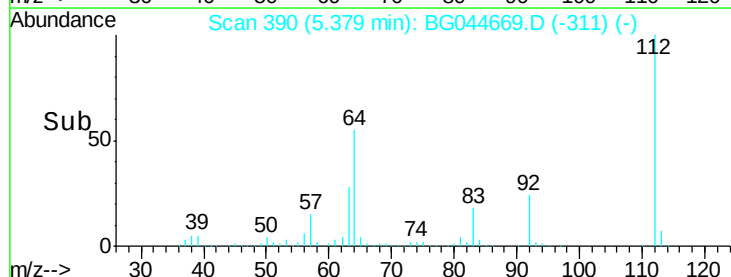
#5

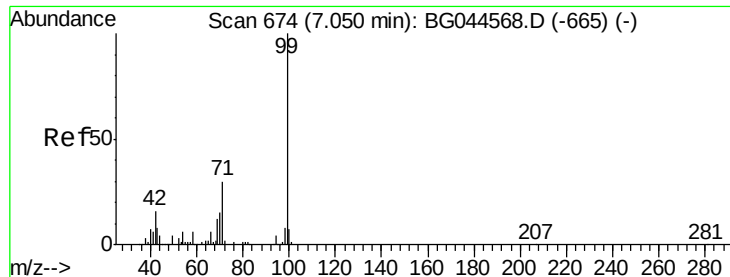
2-Fluorophenol
Concen: 138.087 ng
RT: 5.38 min Scan# 390
Delta R.T. -0.07 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

Tgt Ion:112 Resp: 406653
Ion Ratio Lower Upper
112 100
64 55.0 44.8 67.2
63 28.5 22.3 33.5



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: 118.795 ng

RT: 6.98 min Scan# 663

Delta R.T. -0.07 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Instrument :

BNA_G

ClientSampleId :

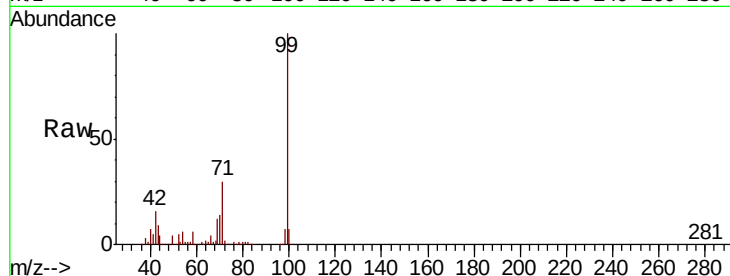
Tot Ion: 99 Resp: 478862

Ion Ratio Lower Upper

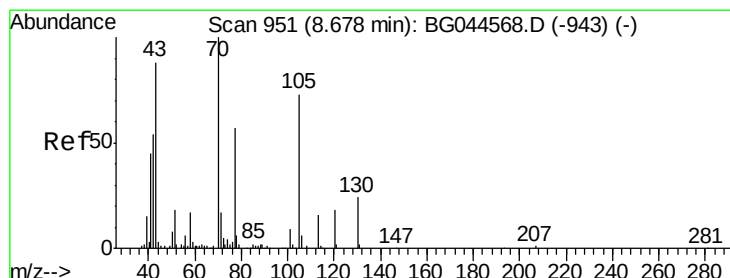
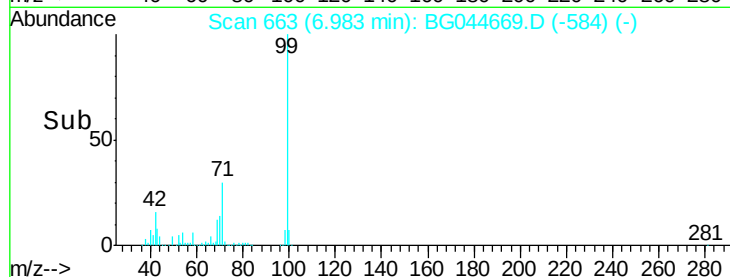
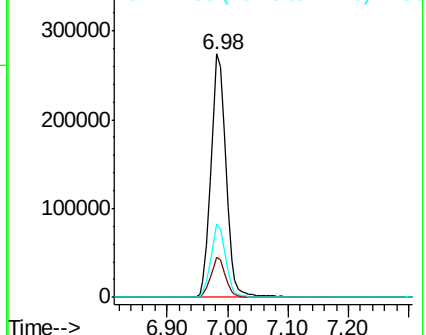
99 100

42 16.3 12.8 19.2

71 29.9 24.4 36.6



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: 17.246 ng

RT: 8.96 min Scan# 1000

Delta R.T. 0.29 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Tgt Ion: 70 Resp: 44685

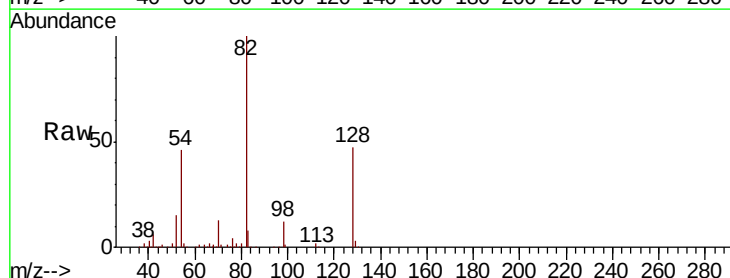
Ion Ratio Lower Upper

70 100

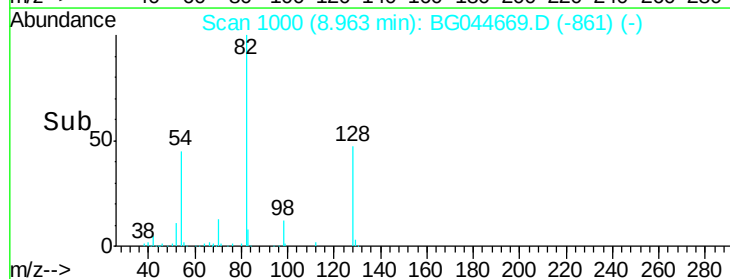
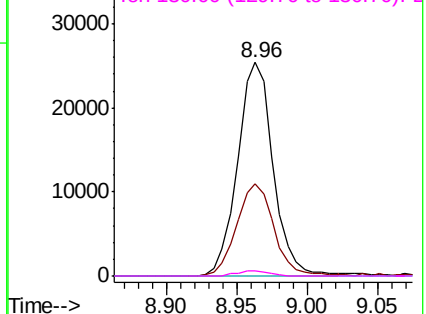
42 43.4 43.4 65.0

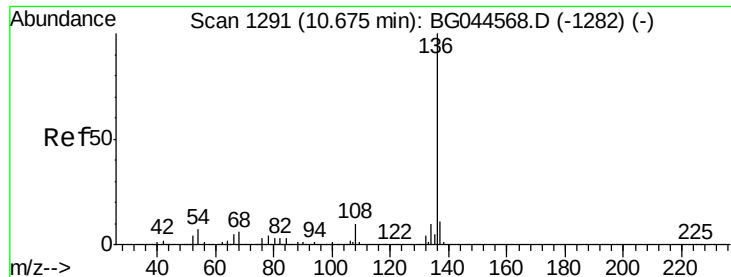
101 0.0 7.5 11.3#

130 2.3 18.9 28.3#



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: 10.61 min Scan# 1280

Delta R.T. -0.07 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 193545

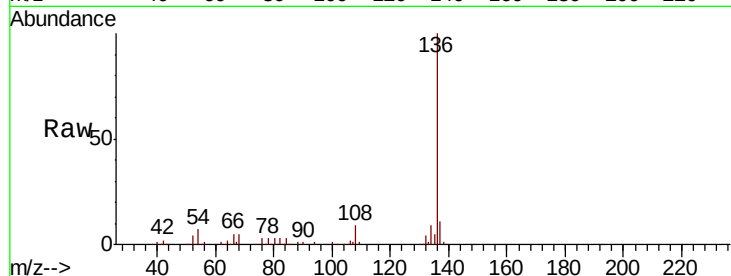
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.3 5.7 8.5

68 5.3 4.5 6.7

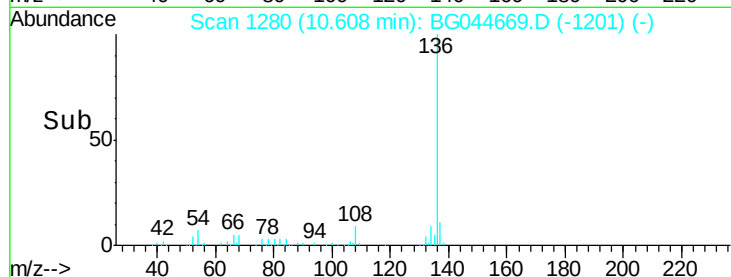


Abundance Ion 136.00 (135.70 to 136.70): E

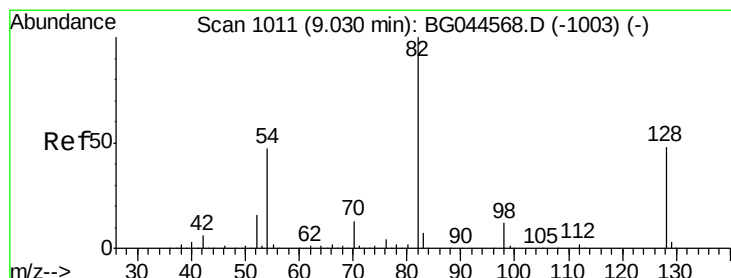
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 94.178 ng

RT: 8.96 min Scan# 1000

Delta R.T. -0.07 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

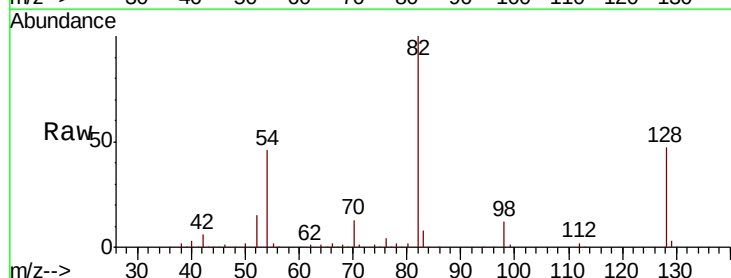
Tgt Ion: 82 Resp: 353808

Ion Ratio Lower Upper

82 100

128 46.5 38.1 57.1

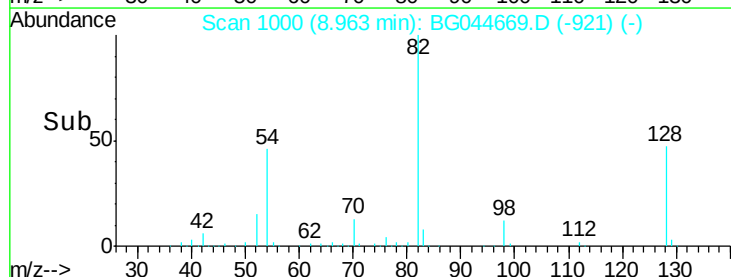
54 46.5 37.5 56.3



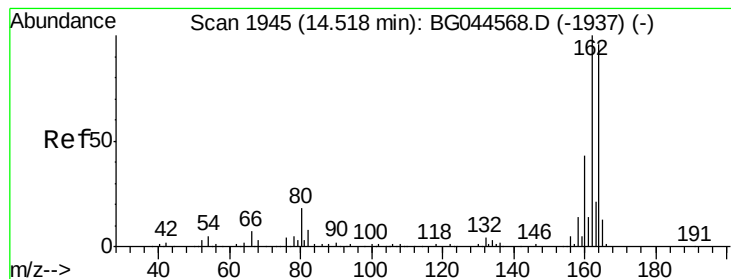
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Instrument :

BNA_G

ClientSampled :

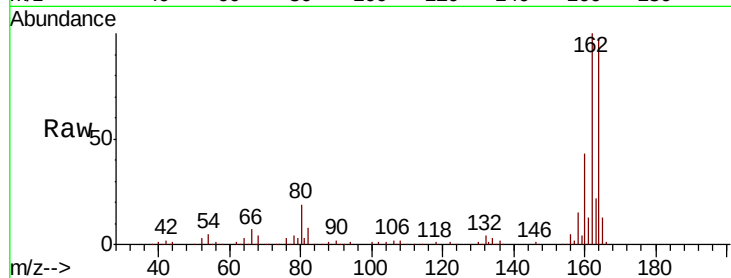
Tot Ion:164 Resp: 137882

Ion Ratio Lower Upper

164 100

162 102.8 83.6 125.4

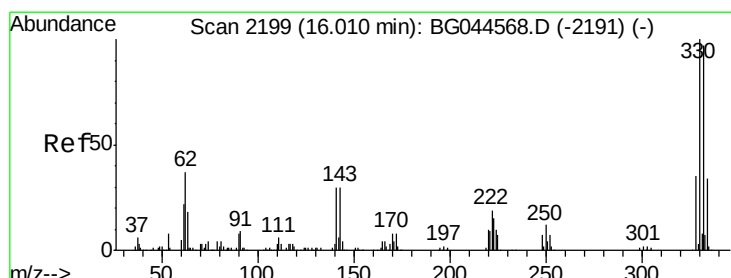
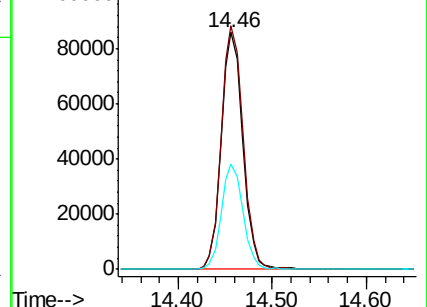
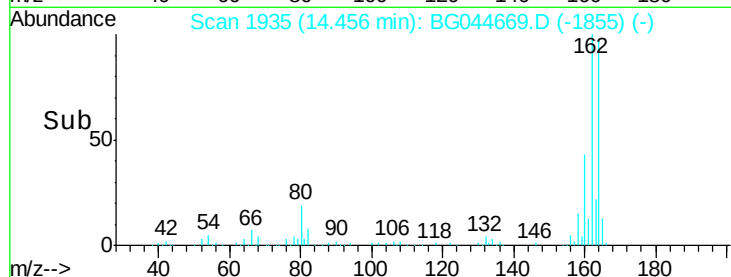
160 44.5 36.2 54.4



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: 160.072 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

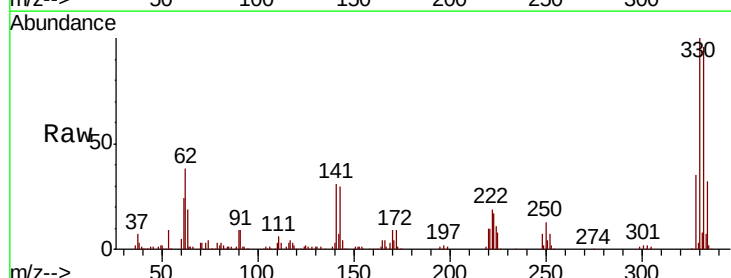
Tgt Ion:330 Resp: 312950

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

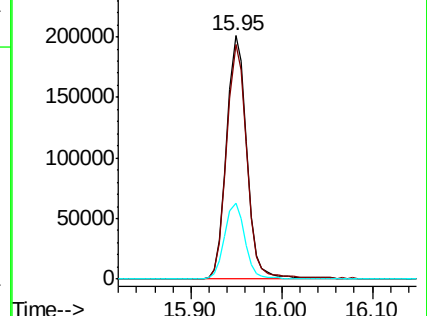
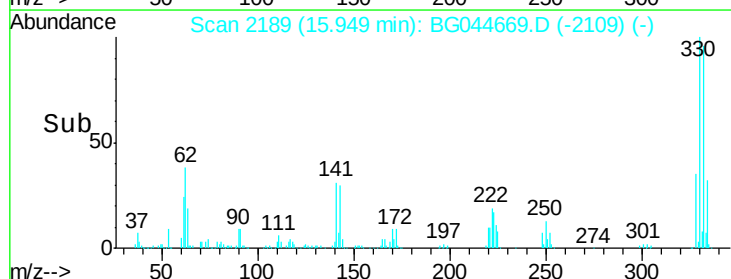
141 31.5 26.1 39.1

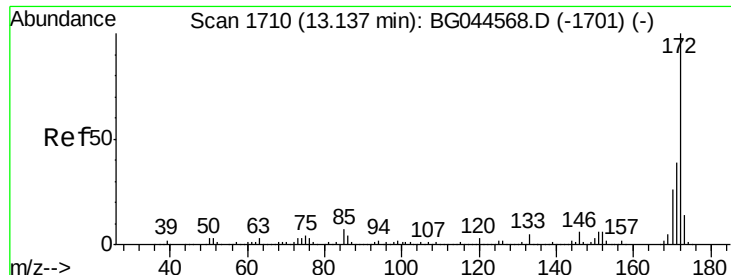


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

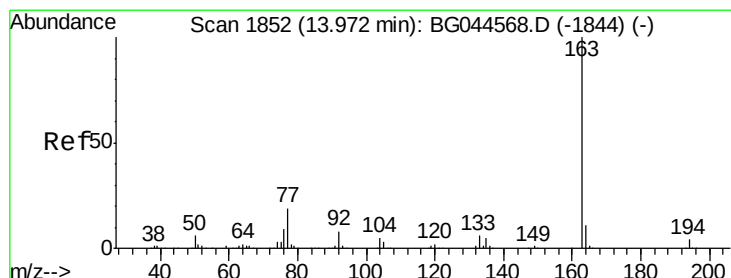
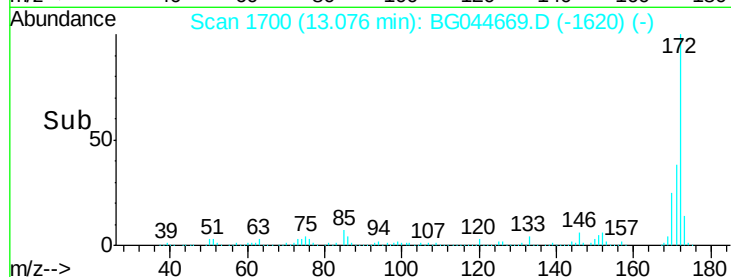
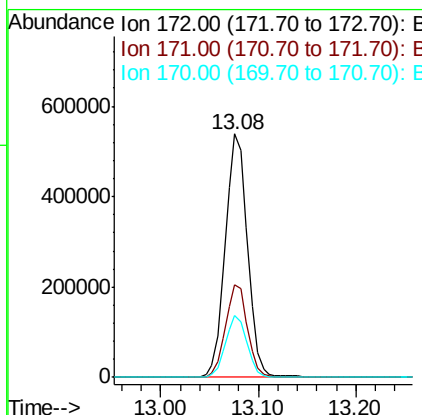
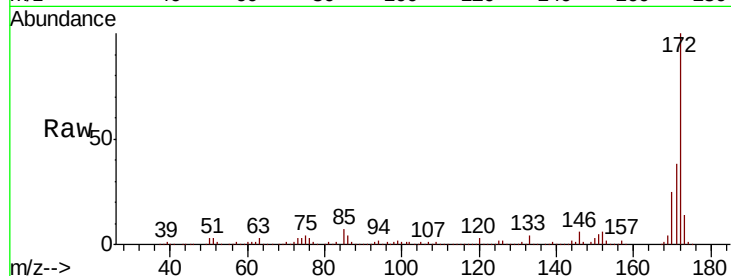




#45
2-Fluorobiphenyl
Concen: 88.445 ng
RT: 13.08 min Scan# 1700
Delta R.T. -0.06 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

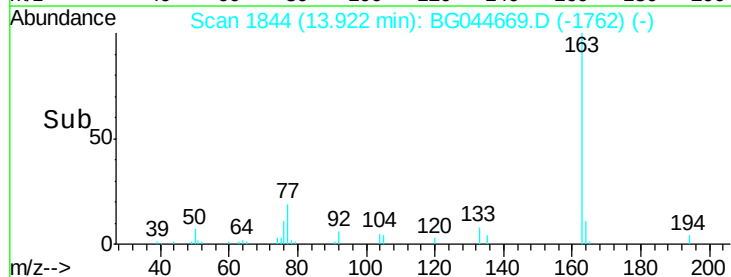
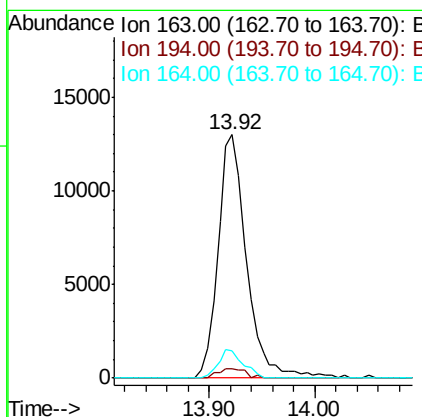
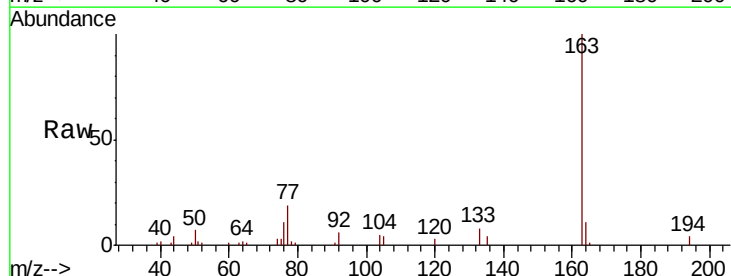
Instrument :
BNA_G
ClientSampleId :

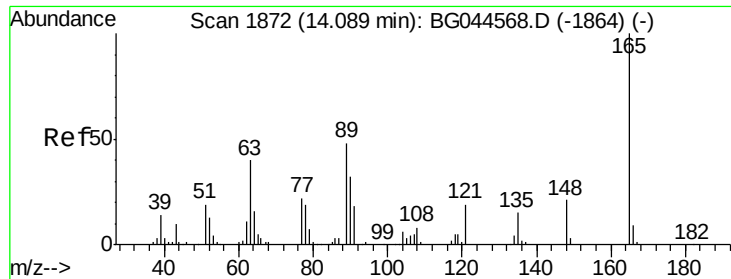
Tot Ion:172 Resp: 851609
Ion Ratio Lower Upper
172 100
171 38.2 31.3 46.9
170 25.2 21.0 31.4



#50
Dimethylphthalate
Concen: 2.192 ng
RT: 13.92 min Scan# 1844
Delta R.T. -0.05 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

Tgt Ion:163 Resp: 24397
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 11.3 8.7 13.1

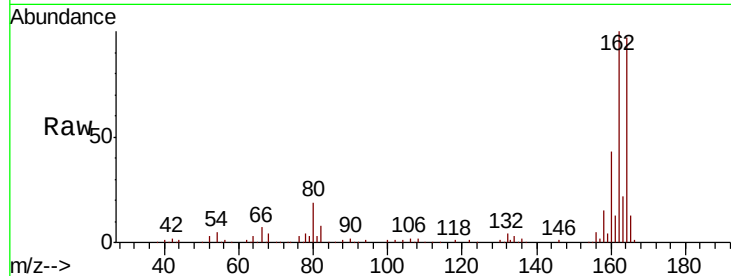




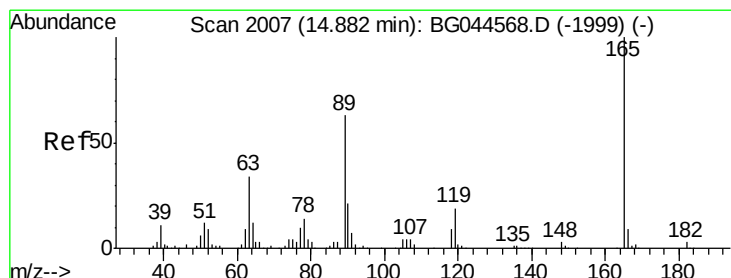
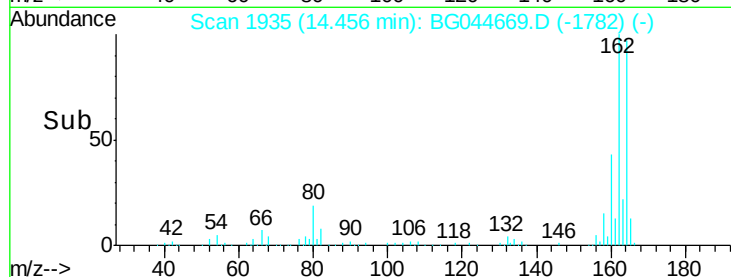
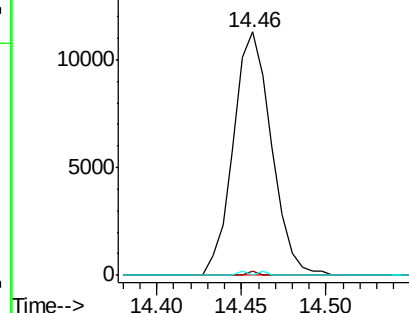
#51
 2,6-Dinitrotoluene
 Concen: 7.214 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. 0.37 min
 Lab File: BG044669.D
 Acq: 3 Mar 2020 19:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17707
 Ion Ratio Lower Upper
 165 100
 63 1.6 35.8 53.6#
 89 0.0 38.7 58.1#



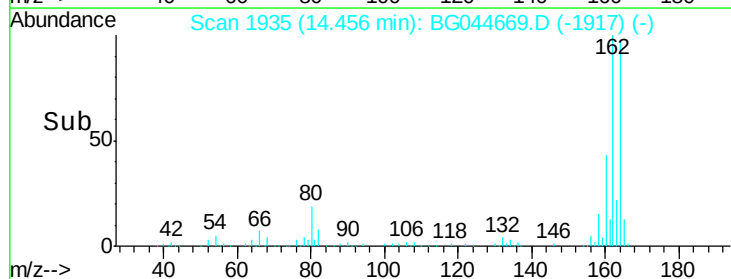
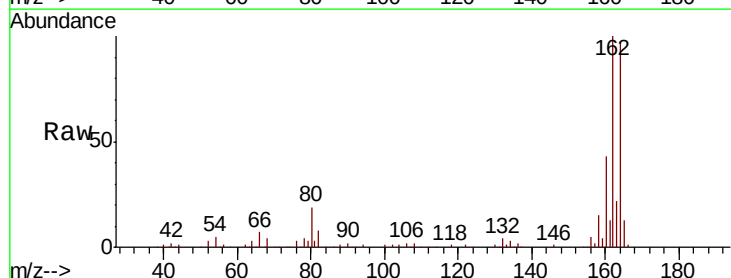
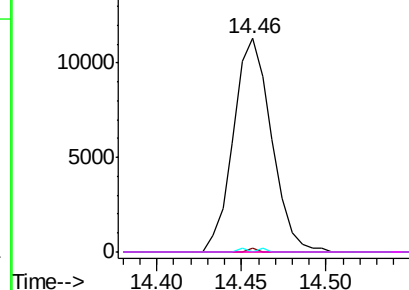
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

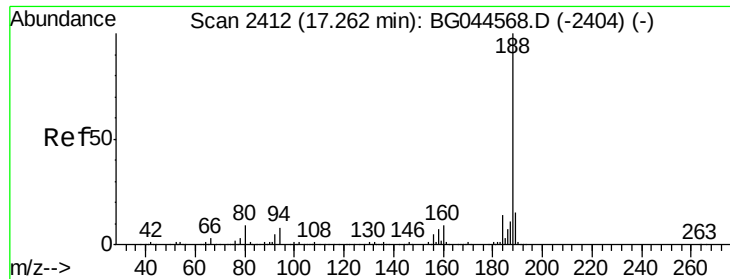


#57
 2,4-Dinitrotoluene
 Concen: 5.131 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. -0.43 min
 Lab File: BG044669.D
 Acq: 3 Mar 2020 19:31

Tgt Ion:165 Resp: 17707
 Ion Ratio Lower Upper
 165 100
 63 1.6 27.5 41.3#
 89 0.0 50.0 75.0#
 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: 17.20 min Scan# 2402

Delta R.T. -0.06 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Instrument :

BNA_G

ClientSampleId :

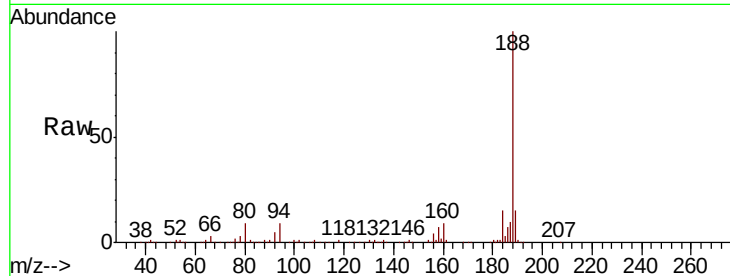
Tot Ion:188 Resp: 359152

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.2 7.6 11.4

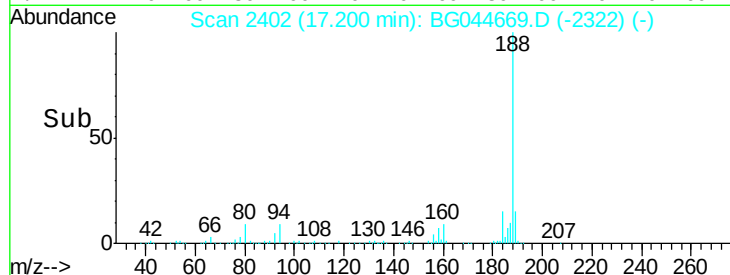


Abundance Ion 188.00 (187.70 to 188.70): E

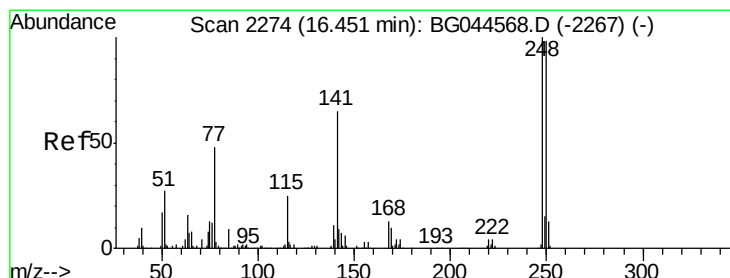
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.10 17.20 17.30



Time--> 17.10 17.20 17.30



#67

4-Bromophenyl-phenylether

Concen: 4.703 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.50 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

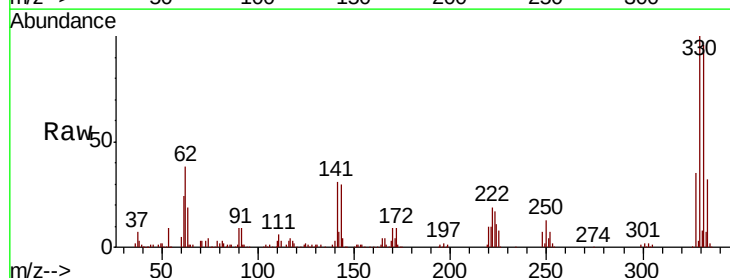
Tgt Ion:248 Resp: 20968

Ion Ratio Lower Upper

248 100

250 190.3 78.7 118.1#

141 446.6 52.3 78.5#

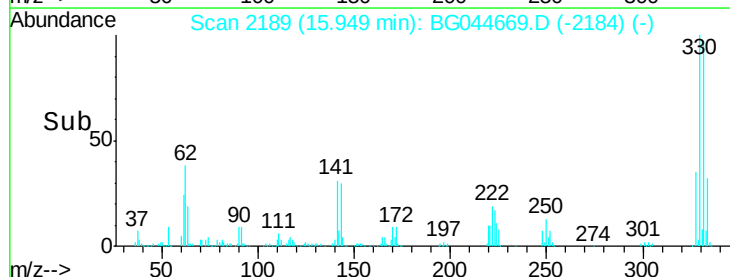


Abundance Ion 248.00 (247.70 to 248.70): E

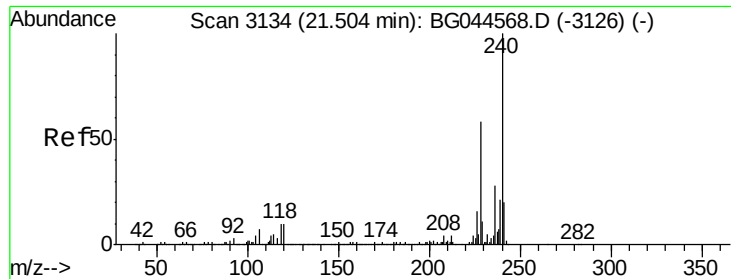
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 15.90 15.95 16.00 16.05



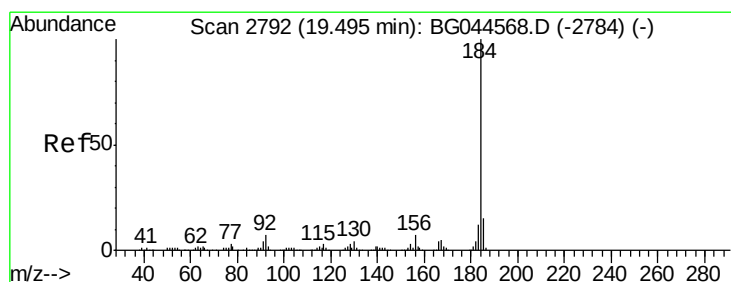
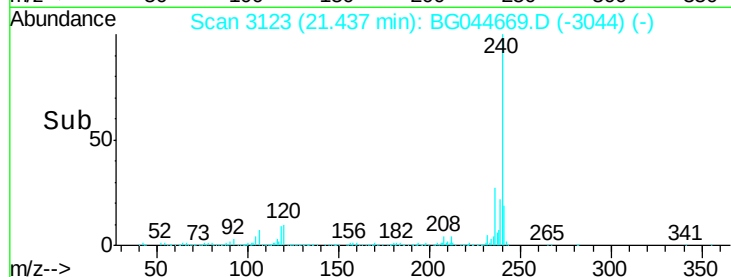
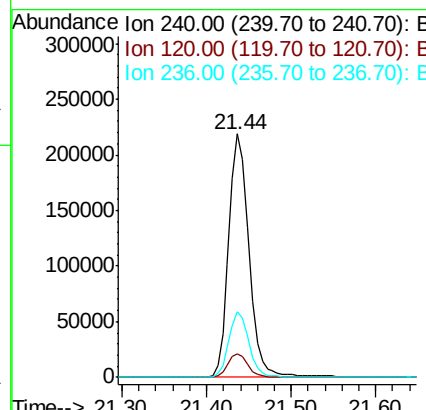
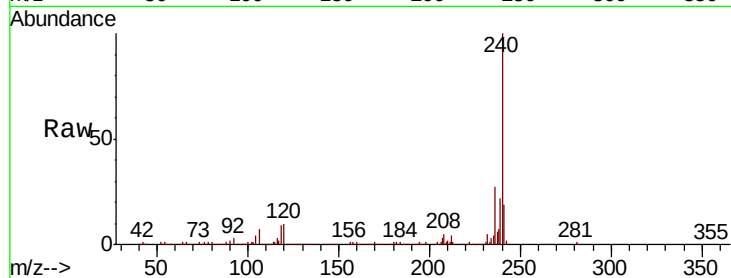
Time--> 15.90 15.95 16.00 16.05



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.44 min Scan# 3123
Delta R.T. -0.07 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

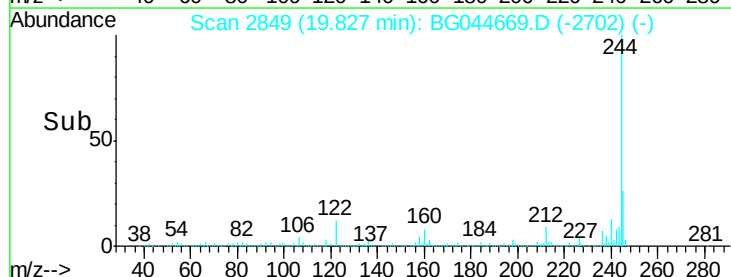
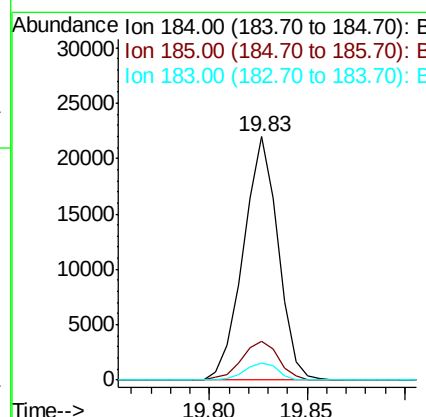
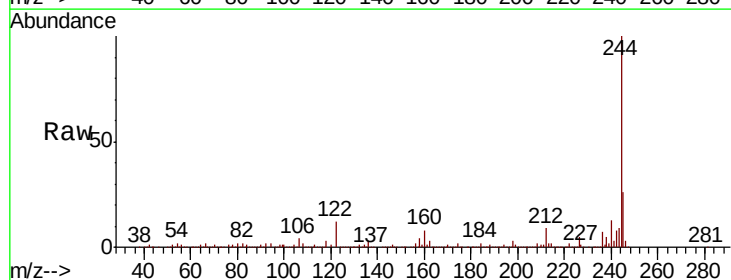
Instrument :
BNA_G
ClientSampled :

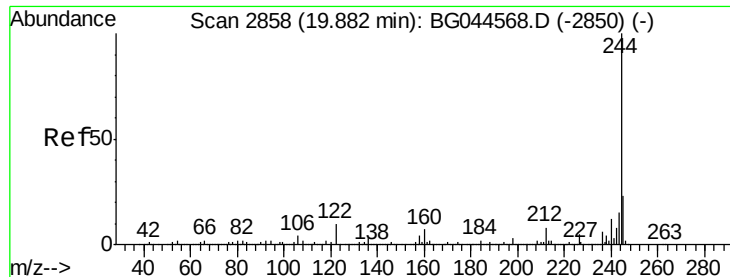
Tot Ion:240 Resp: 364315
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 27.2 22.3 33.5



#77
Benzidine
Concen: 2.166 ng
RT: 19.83 min Scan# 2849
Delta R.T. 0.33 min
Lab File: BG044669.D
Acq: 3 Mar 2020 19:31

Tgt Ion:184 Resp: 27034
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.4
183 6.9 9.9 14.9#





#79

Terphenyl-d14

Concen: 92.620 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.06 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

Instrument :

BNA_G

ClientSampleId :

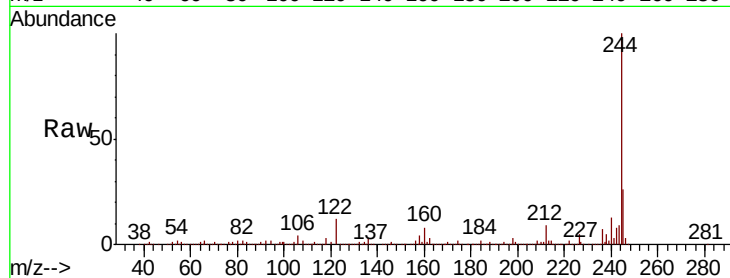
Tot Ion:244 Resp: 1782448

Ion Ratio Lower Upper

244 100

212 9.2 6.5 9.7

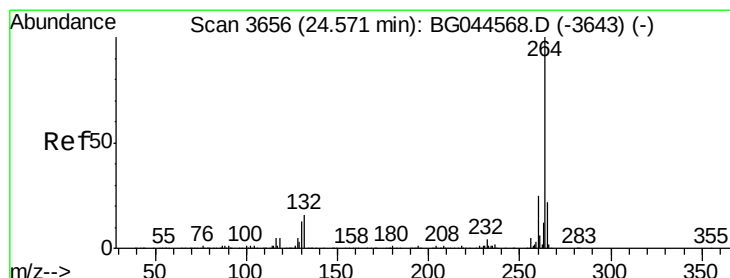
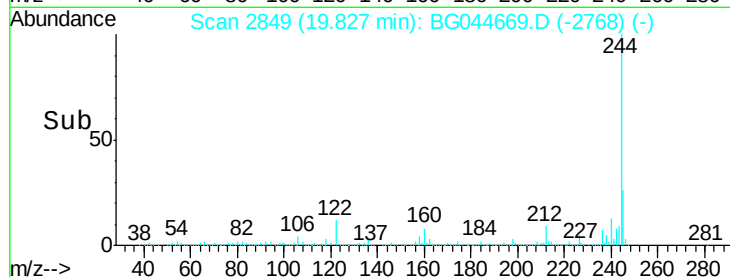
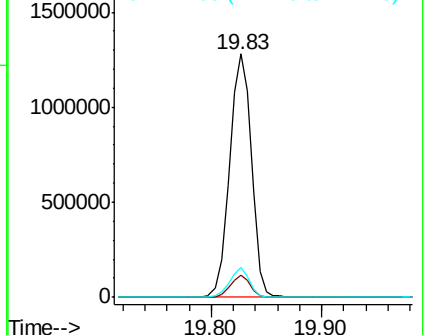
122 12.2 8.2 12.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.46 min Scan# 3637

Delta R.T. -0.11 min

Lab File: BG044669.D

Acq: 3 Mar 2020 19:31

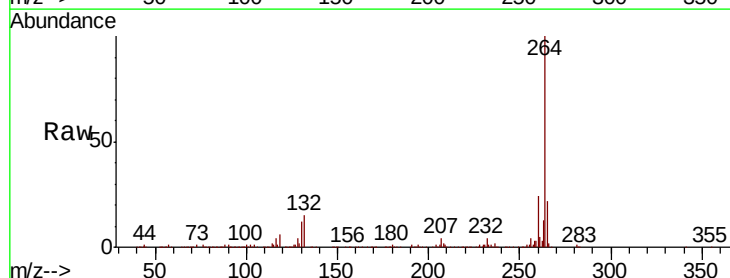
Tgt Ion:264 Resp: 404983

Ion Ratio Lower Upper

264 100

260 24.0 19.7 29.5

265 21.9 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

