

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044026.D
 Acq On : 14 Jan 2020 00:16
 Operator : JU
 Sample : L1103-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:17:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

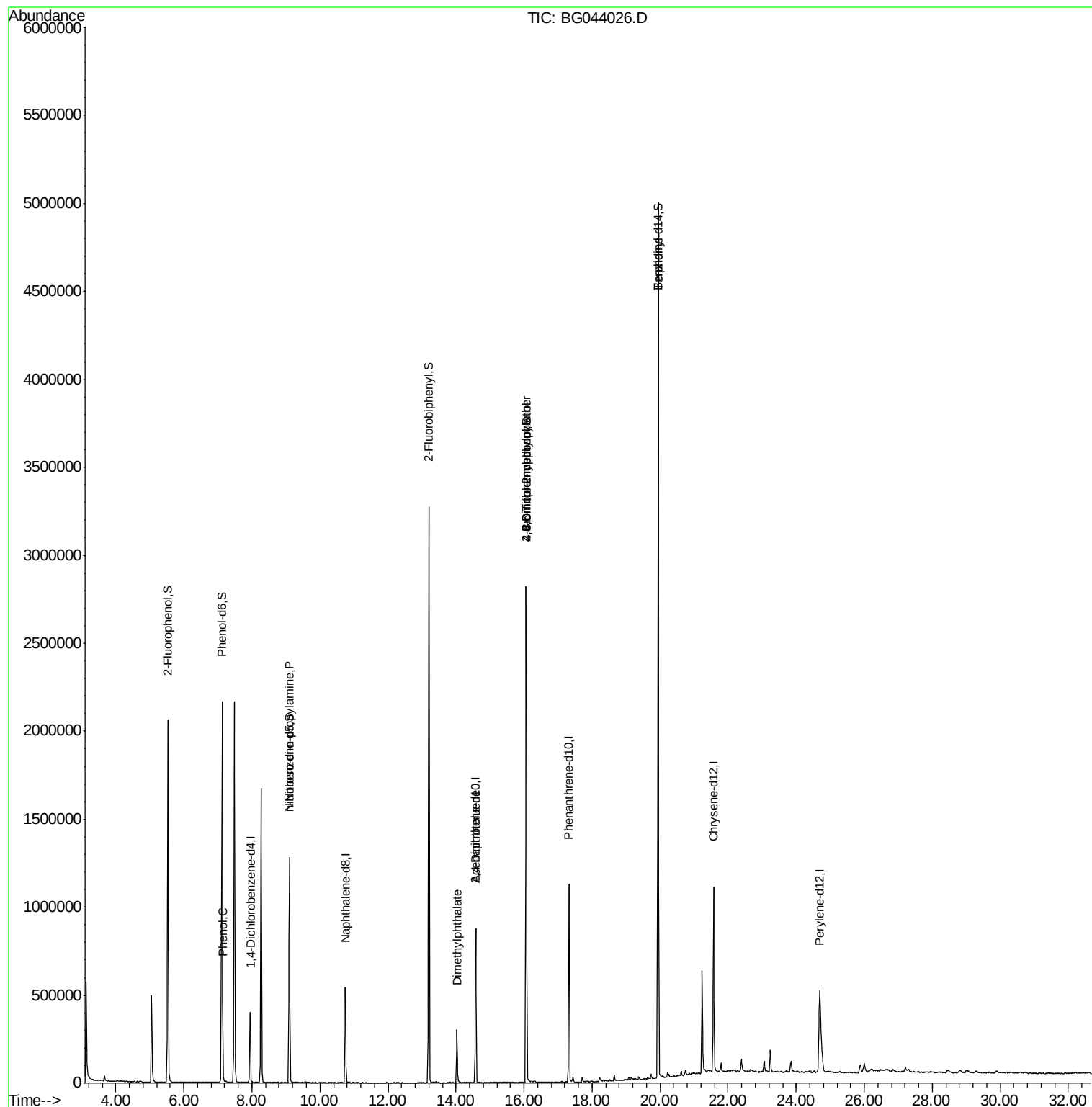
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	122477	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	492844	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	314006	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	686855	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	609853	20.00	ng	-0.02
87) Perylene-d12	24.69	264	682845	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1003918	150.50	ng	-0.01
7) Phenol-d6	7.12	99	1397046	149.83	ng	0.00
23) Nitrobenzene-d5	9.10	82	826257	89.69	ng	-0.02
42) 2,4,6-Tribromophenol	16.06	330	528384	160.80	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1742627	100.55	ng	-0.02
79) Terphenyl-d14	19.94	244	2595264	110.68	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	43810	4.560	ng	94
19) n-Nitroso-di-n-propylamine	9.10	70	109336	15.746	ng	# 78
50) Dimethylphthalate	14.03	163	218126	9.783	ng	97
57) 2,4-Dinitrotoluene	14.58	165	42737	6.233	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1878	4.872	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	37593	4.866	ng	# 1
77) Benzidine	19.94	184	49439	3.225	ng	# 93

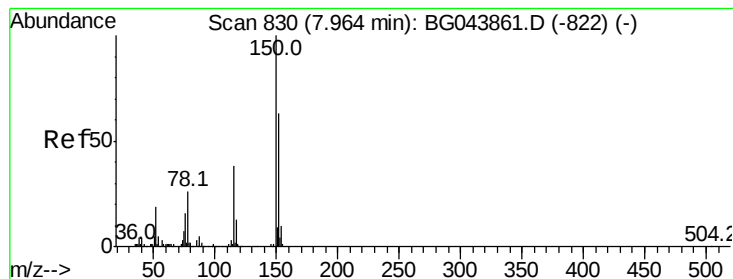
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampled :

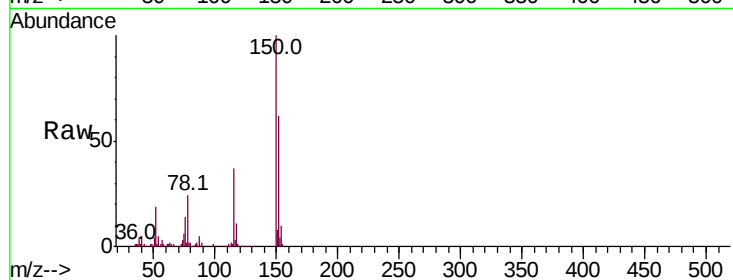
Tot Ion:152 Resp: 122477

Ion Ratio Lower Upper

152 100

150 160.0 127.0 190.4

115 59.5 47.8 71.8



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

150000

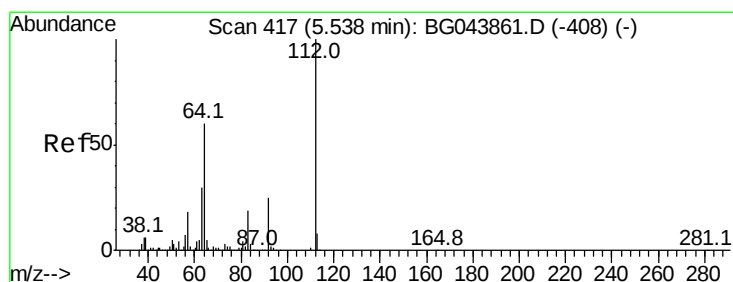
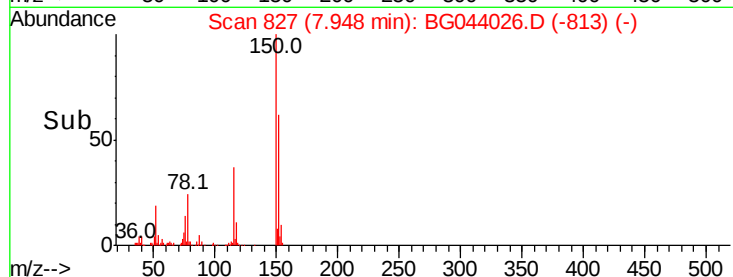
100000

50000

0

7.85 7.90 7.95 8.00

Time-->



#5

2-Fluorophenol

Concen: 150.503 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.01 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

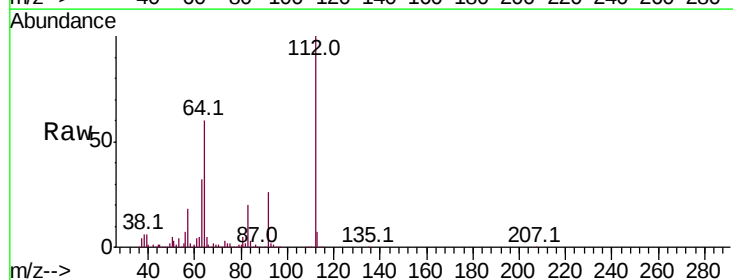
Tgt Ion:112 Resp: 1003918

Ion Ratio Lower Upper

112 100

64 59.7 47.8 71.6

63 31.8 24.3 36.5



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

800000

600000

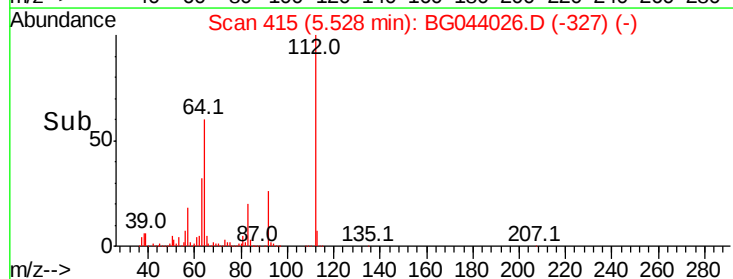
400000

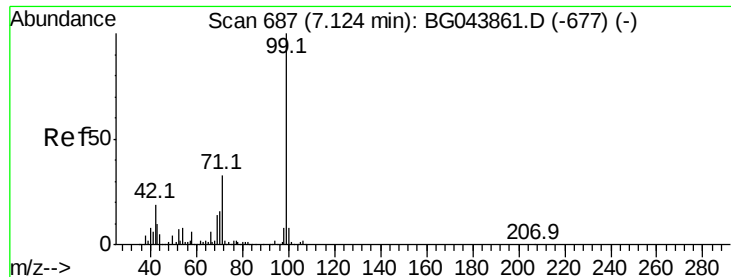
200000

0

5.40 5.50 5.60 5.70

Time-->





#7

Phenol-d6

Concen: 149.833 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampleId :

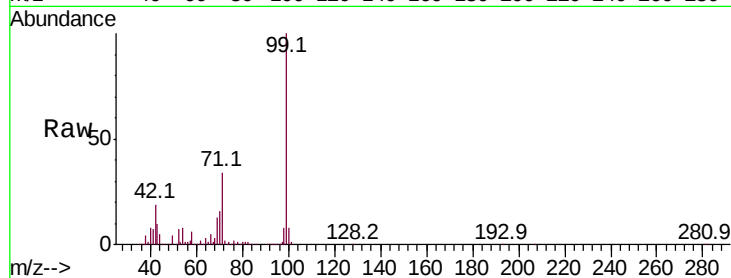
Tot Ion: 99 Resp: 1397046

Ion Ratio Lower Upper

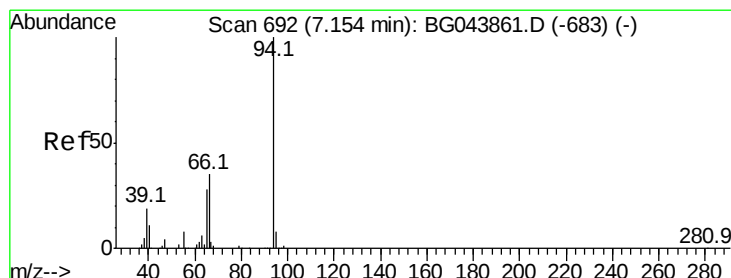
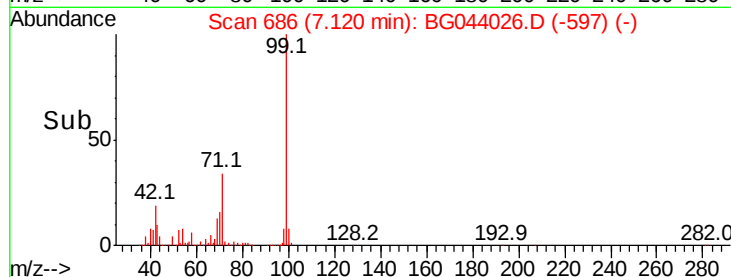
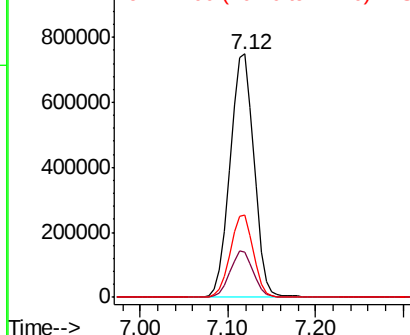
99 100

42 18.6 14.9 22.3

71 33.6 26.4 39.6



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



#10

Phenol

Concen: 4.560 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

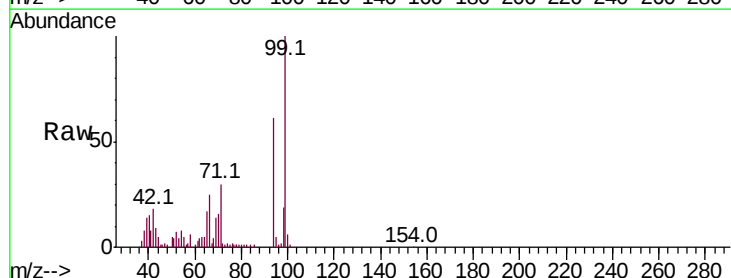
Tgt Ion: 94 Resp: 43810

Ion Ratio Lower Upper

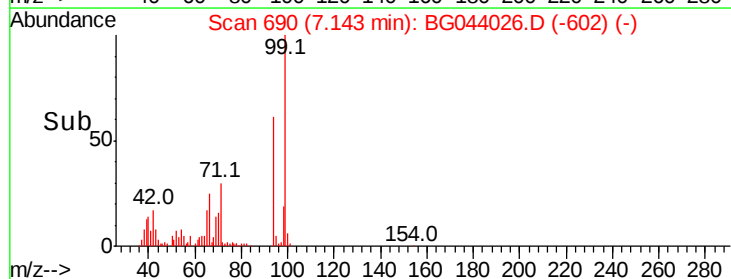
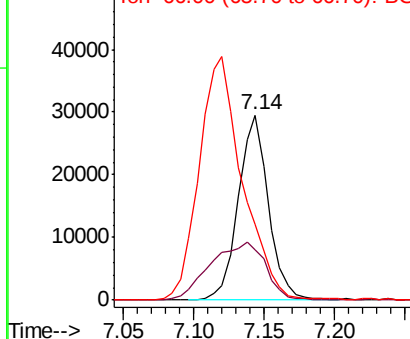
94 100

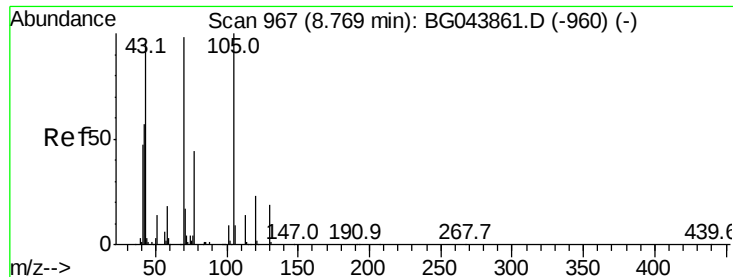
65 27.3 8.1 48.1

66 40.7 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.746 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 109336

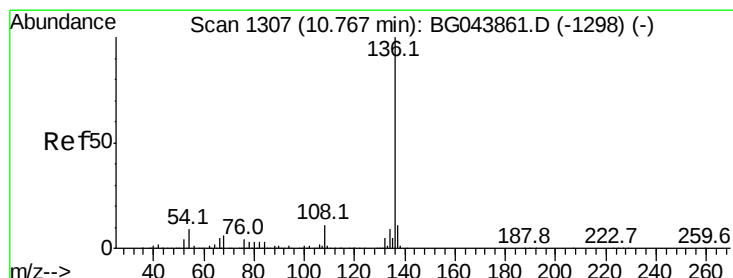
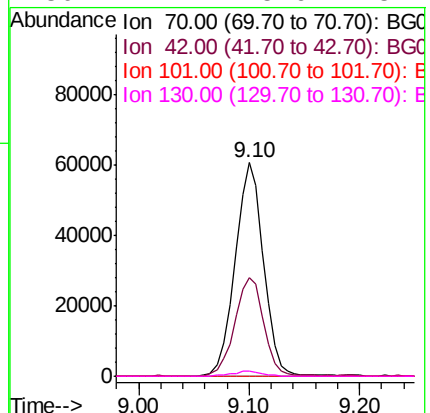
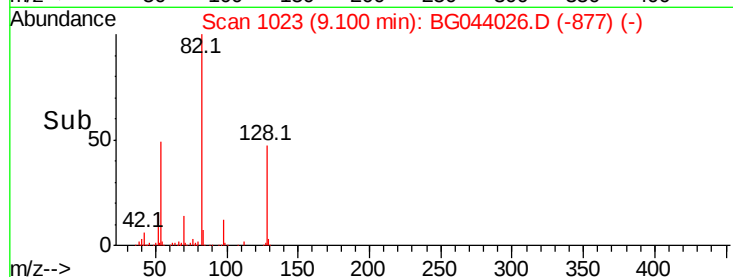
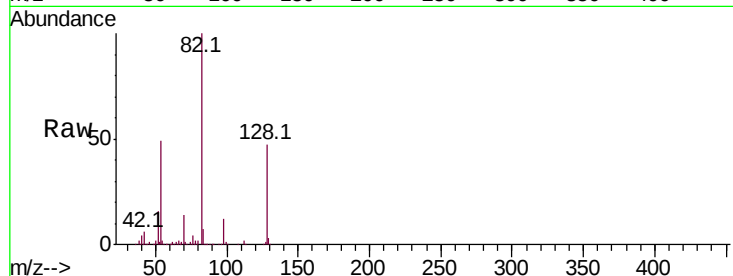
Ion Ratio Lower Upper

70 100

42 46.3 47.0 70.4#

101 0.0 7.2 10.8#

130 2.2 15.6 23.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Tgt Ion: 136 Resp: 492844

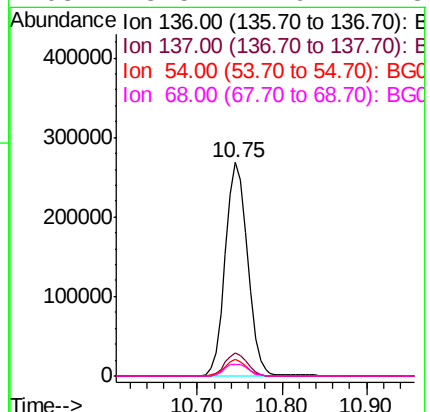
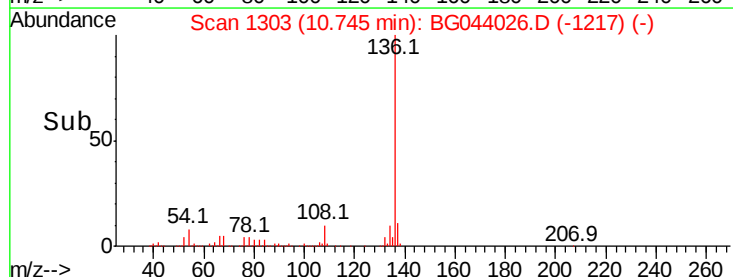
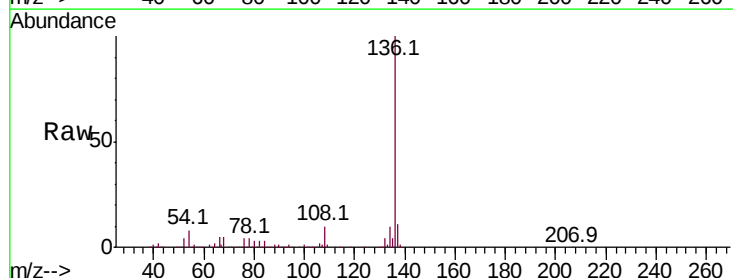
Ion Ratio Lower Upper

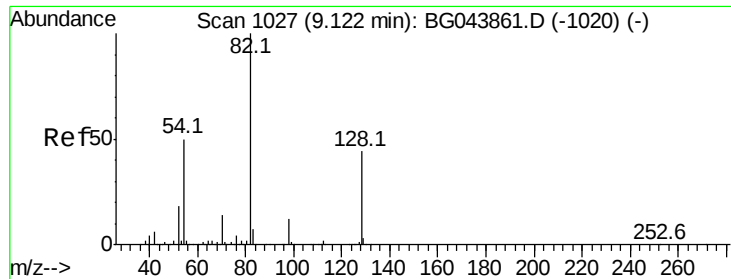
136 100

137 11.1 8.8 13.2

54 7.8 7.0 10.4

68 5.5 4.9 7.3

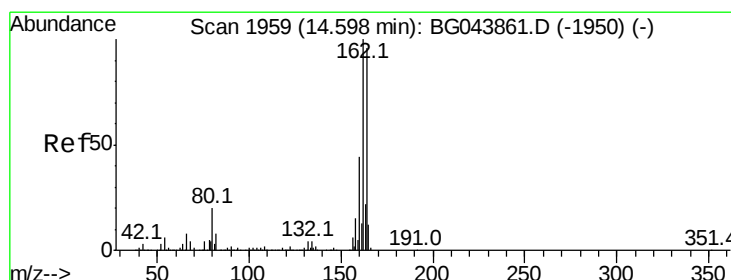
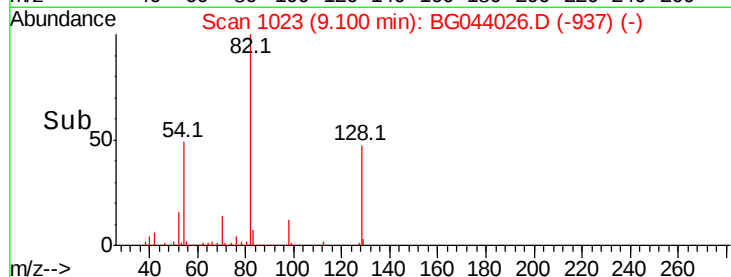
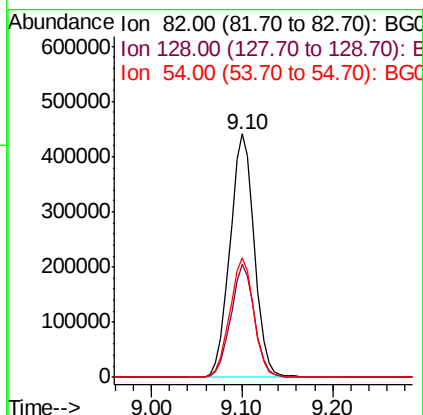
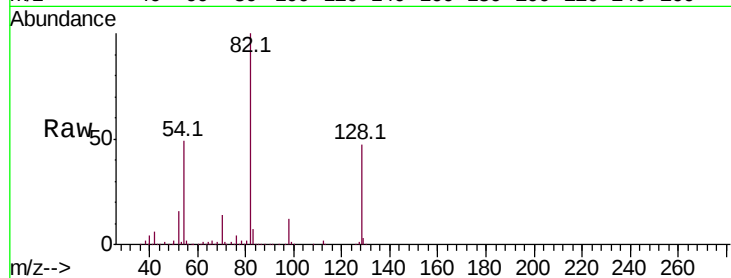




#23
Nitrobenzene-d5
Concen: 89.686 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044026.D
Acq: 14 Jan 2020 00:16

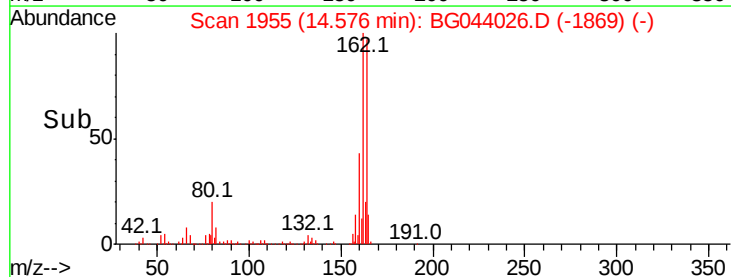
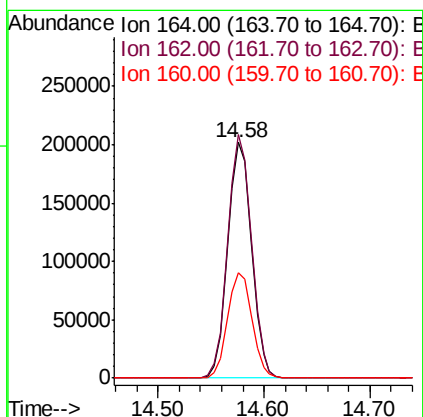
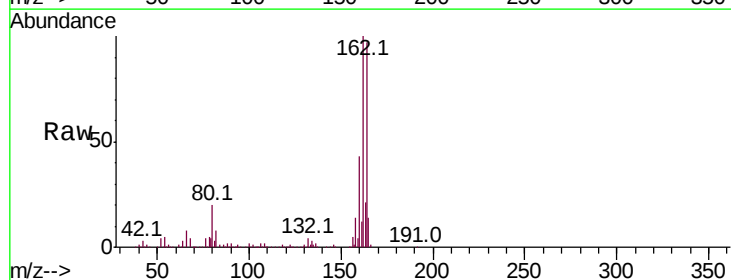
Instrument :
BNA_G
ClientSampled :

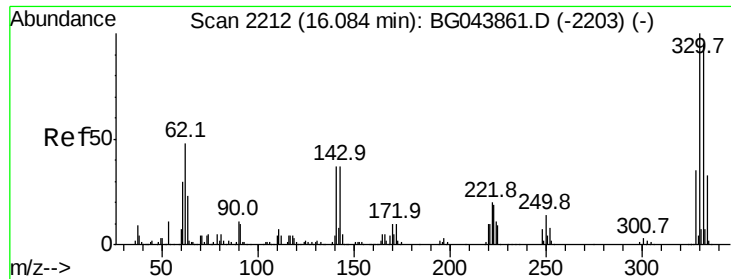
Tot Ion	82	Resp	826257
Ion Ratio	100	Lower	Upper
128	46.5	35.1	52.7
54	48.9	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG044026.D
Acq: 14 Jan 2020 00:16

Tgt Ion	164	Resp	314006
Ion Ratio	100	Lower	Upper
162	103.3	83.0	124.4
160	44.6	36.1	54.1

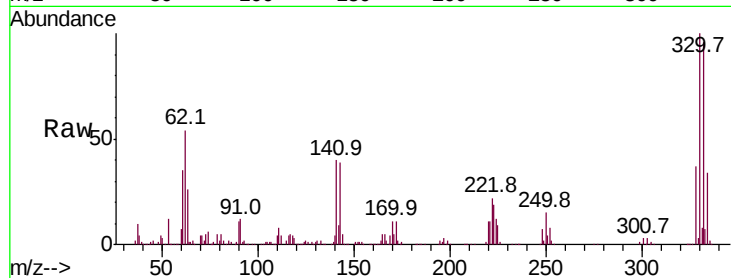




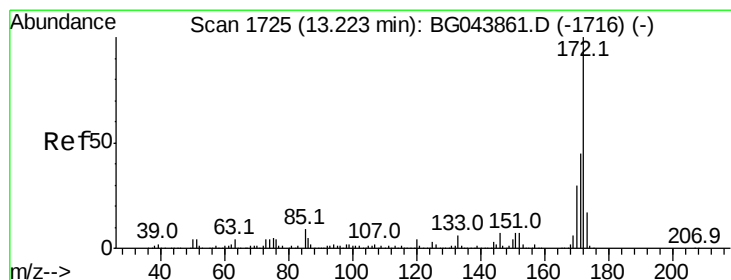
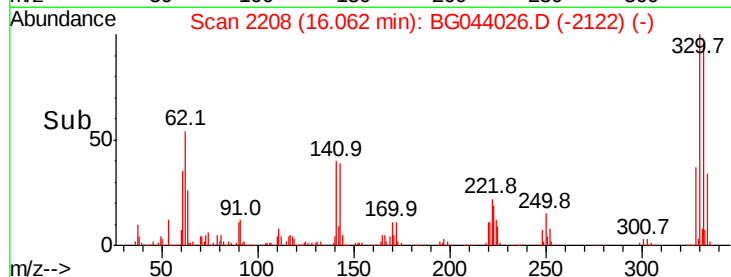
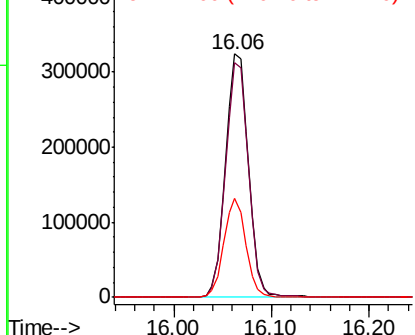
#42
 2,4,6-Tribromophenol
 Concen: 160.798 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.02 min
 Lab File: BG044026.D
 Acq: 14 Jan 2020 00:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 528384
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.2 115.8
 141 38.9 33.1 49.7

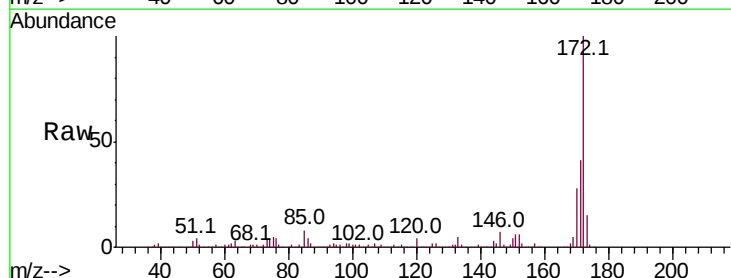


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

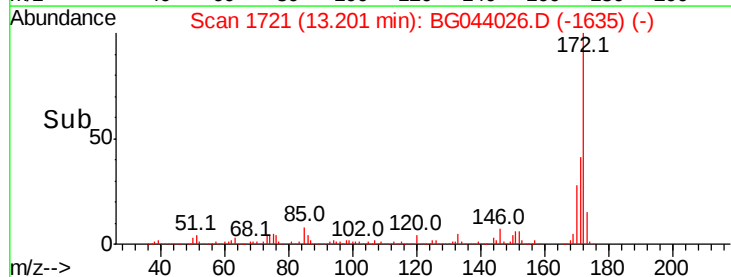
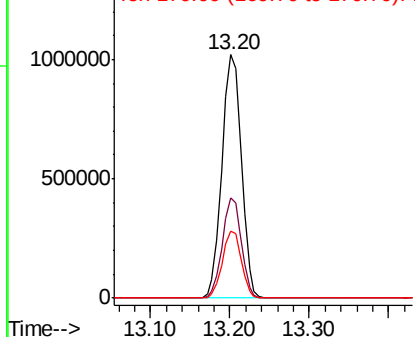


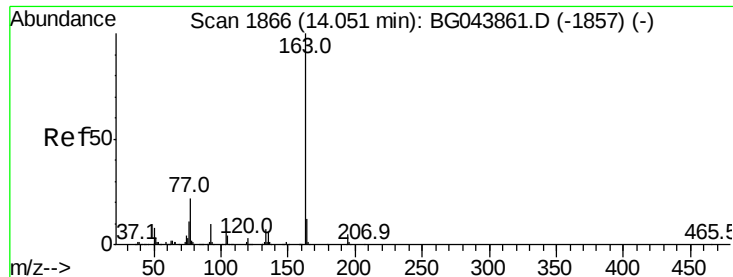
#45
 2-Fluorobiphenyl
 Concen: 100.547 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044026.D
 Acq: 14 Jan 2020 00:16

Tgt Ion:172 Resp: 1742627
 Ion Ratio Lower Upper
 172 100
 171 41.3 35.8 53.8
 170 27.7 24.2 36.4



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





#50

Dimethylphthalate

Concen: 9.783 ng

RT: 14.03 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampleId :

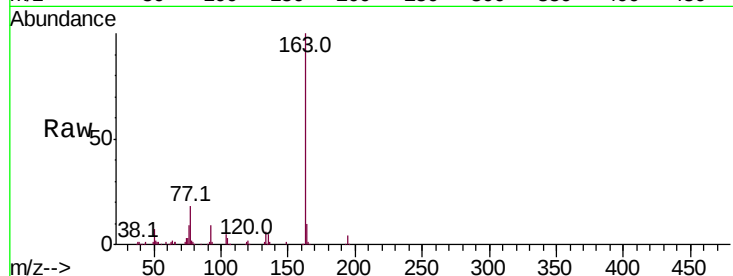
Tot Ion:163 Resp: 218126

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

164 10.3 9.3 13.9

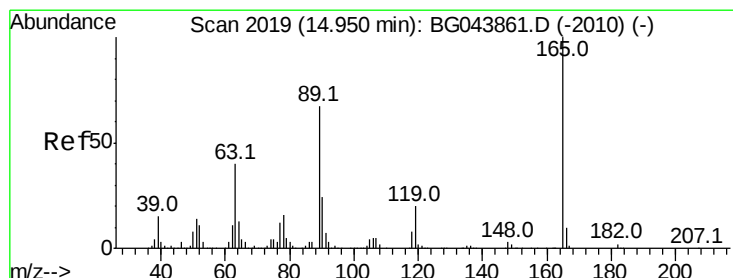
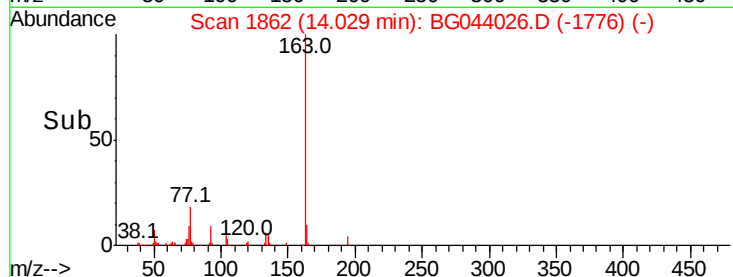
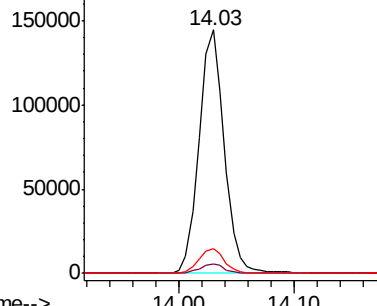


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.233 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Tgt Ion:165 Resp: 42737

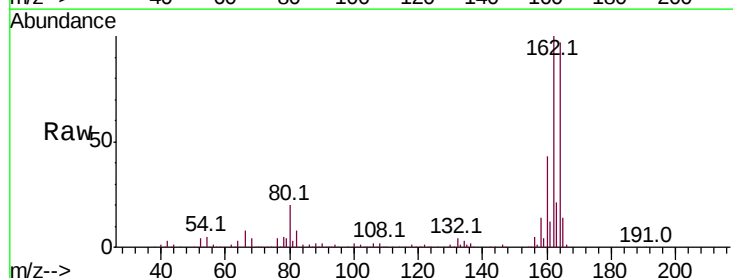
Ion Ratio Lower Upper

165 100

63 0.8 31.9 47.9#

89 1.9 53.8 80.6#

182 0.0 2.0 3.0#



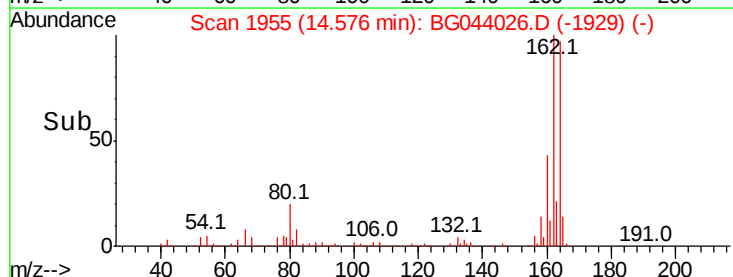
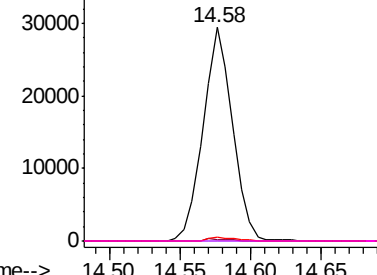
Abundance

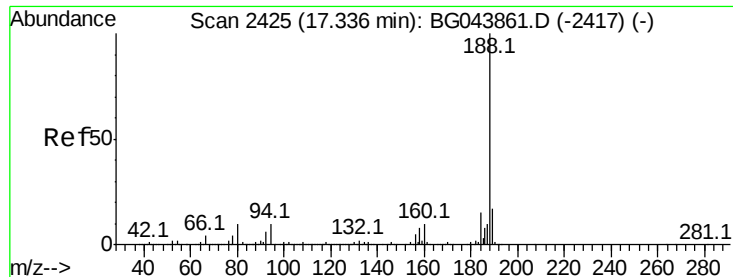
Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampleId :

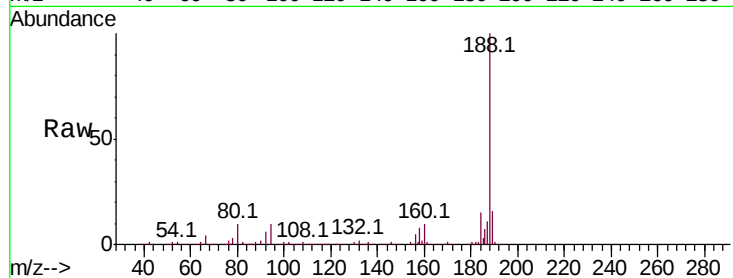
Tot Ion:188 Resp: 686855

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

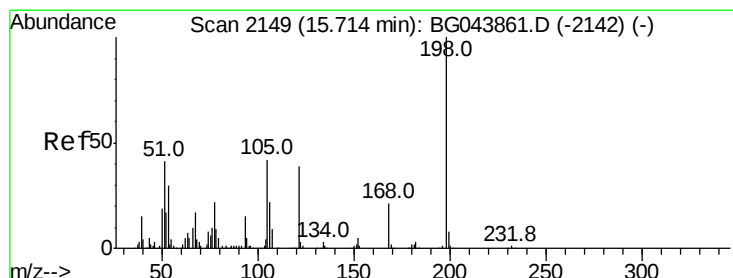
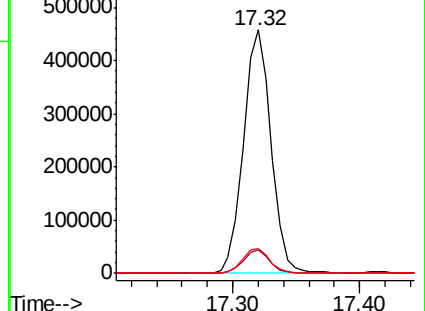
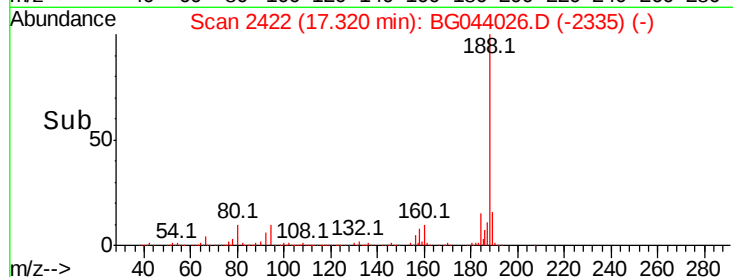
80 10.3 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.872 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

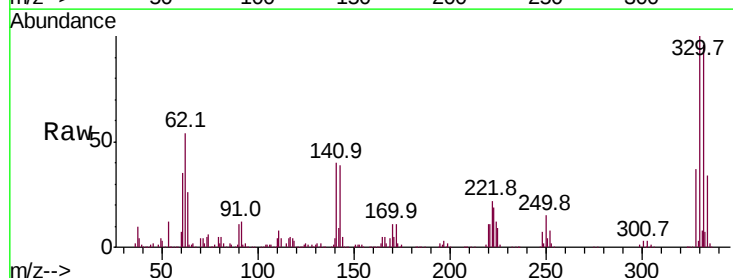
Tgt Ion:198 Resp: 1878

Ion Ratio Lower Upper

198 100

51 109.4 22.5 62.5#

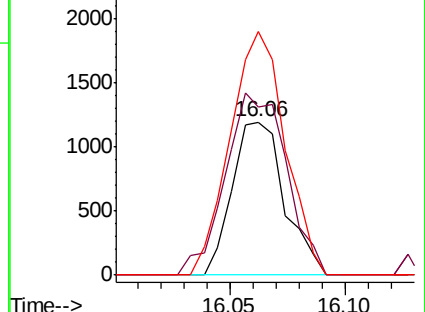
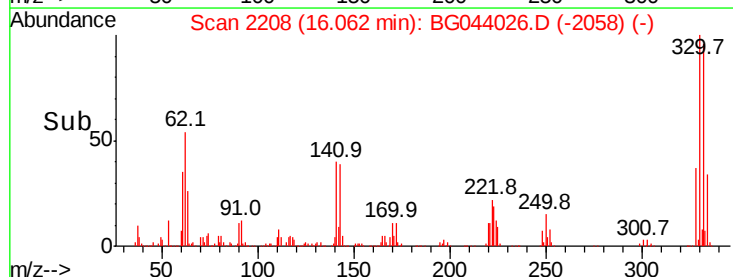
105 158.8 22.3 62.3#

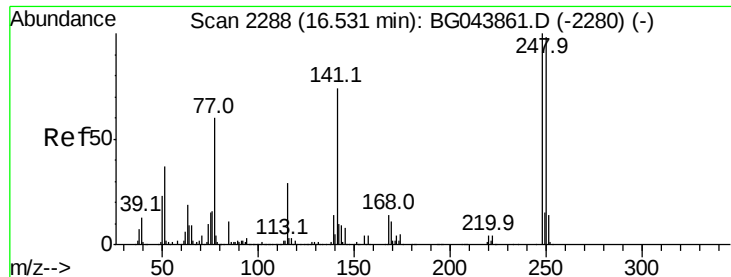


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

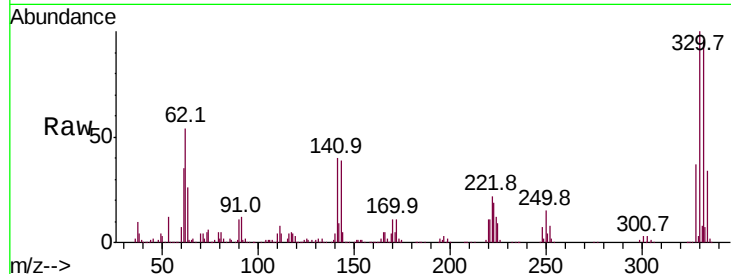




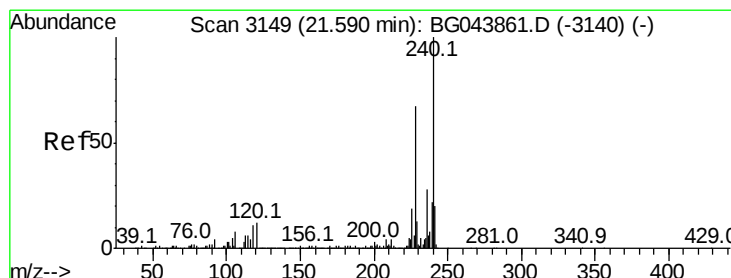
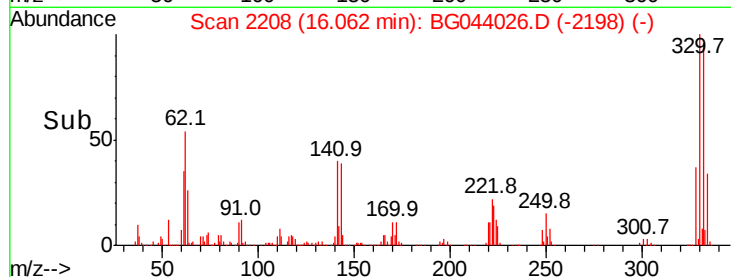
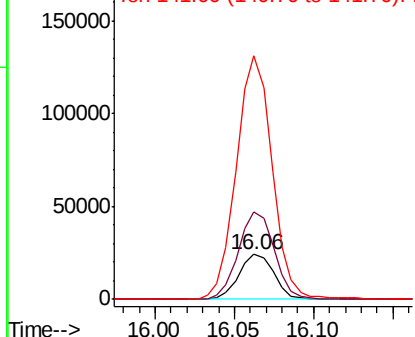
#67
 4-Bromophenyl-phenylether
 Concen: 4.866 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044026.D
 Acq: 14 Jan 2020 00:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 37593
 Ion Ratio Lower Upper
 248 100
 250 196.5 78.2 117.2#
 141 544.1 59.3 88.9#

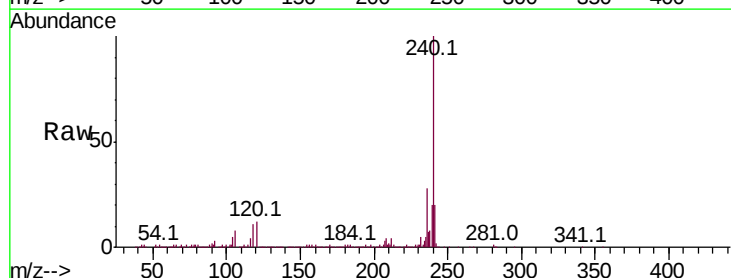


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

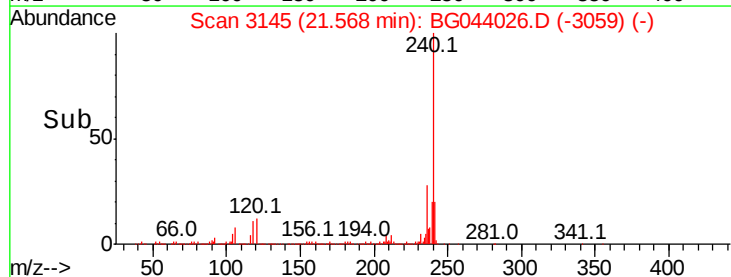
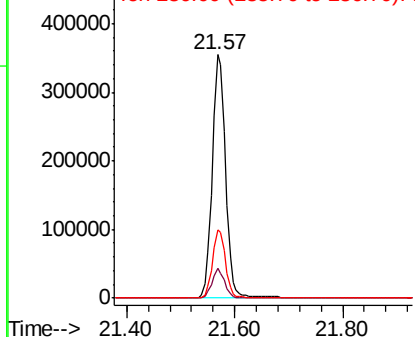


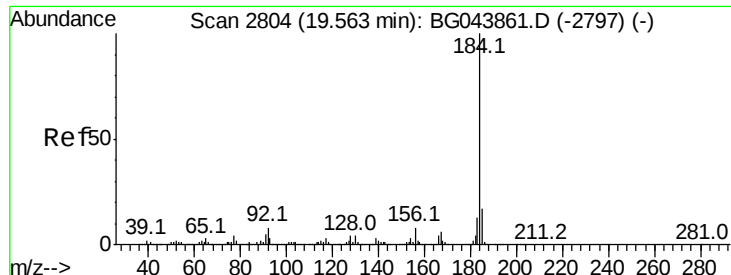
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.02 min
 Lab File: BG044026.D
 Acq: 14 Jan 2020 00:16

Tgt Ion:240 Resp: 609853
 Ion Ratio Lower Upper
 240 100
 120 12.1 9.6 14.4
 236 27.9 22.2 33.2



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: 3.225 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

Instrument :

BNA_G

ClientSampleId :

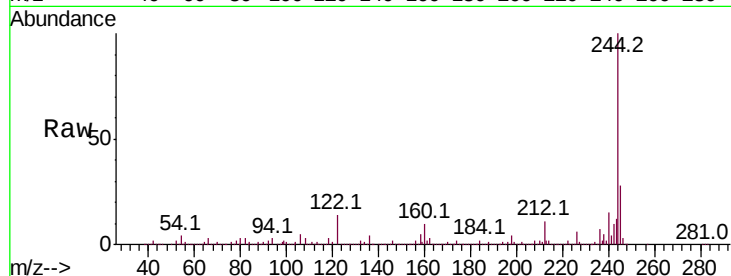
Tot Ion:184 Resp: 49439

Ion Ratio Lower Upper

184 100

185 16.0 13.4 20.0

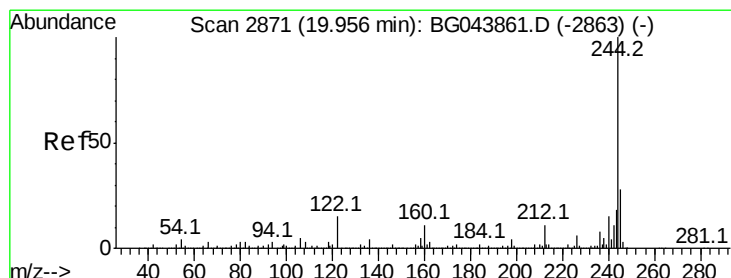
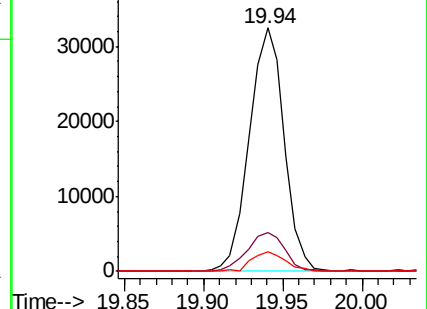
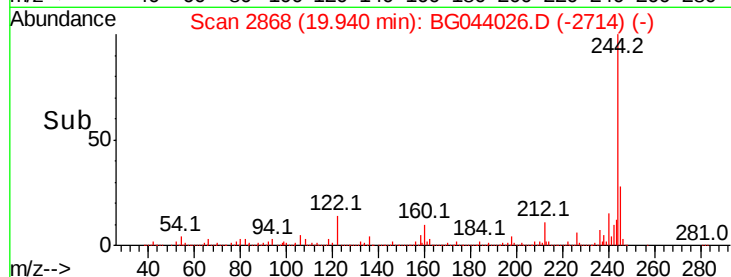
183 8.1 10.6 15.8#



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: 110.677 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044026.D

Acq: 14 Jan 2020 00:16

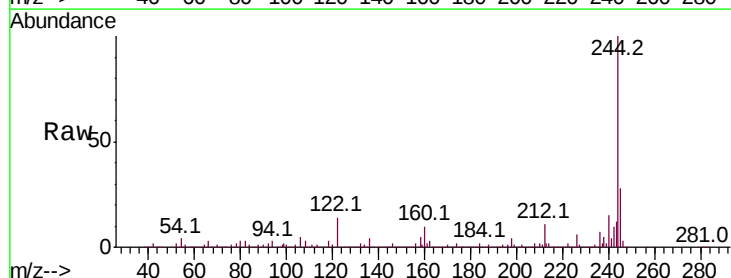
Tgt Ion:244 Resp: 2595264

Ion Ratio Lower Upper

244 100

212 10.6 8.6 13.0

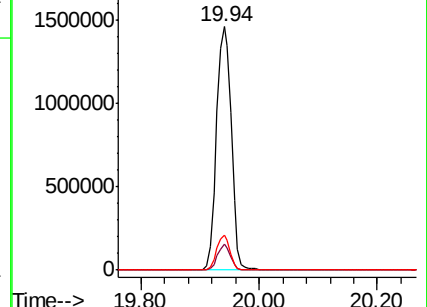
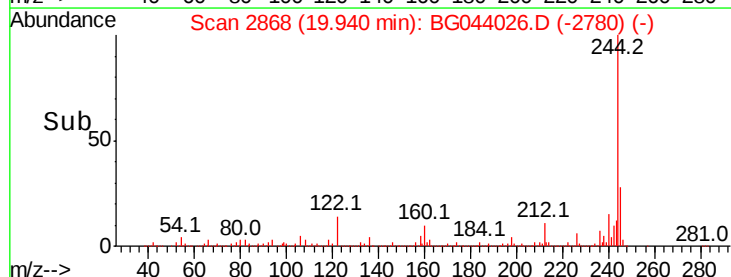
122 14.4 11.9 17.9

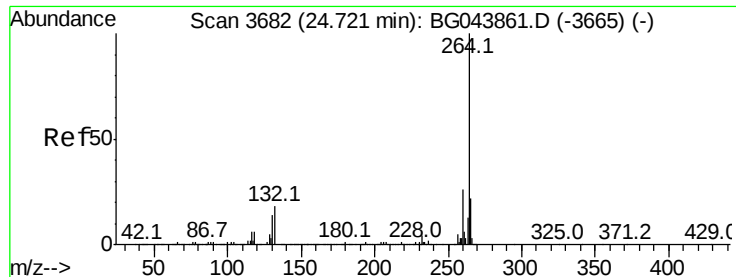


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.69 min Scan# 3677
 Delta R.T. -0.03 min
 Lab File: BG044026.D
 Acq: 14 Jan 2020 00:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	22.2	17.4	26.2

