

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030920\
 Data File : BG044703.D
 Acq On : 9 Mar 2020 15:02
 Operator : CG/JU
 Sample : PB127145BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 18:51:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 05 17:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	86119	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	348164	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	239530	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	557406	20.00	ng	0.00
76) Chrysene-d12	21.71	240	608844	20.00	ng	-0.01
87) Perylene-d12	24.93	264	616916	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	699730	122.03	ng	0.00
7) Phenol-d6	7.21	99	991142	114.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	600028	78.47	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	344368	104.66	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1343004	78.10	ng	0.00
79) Terphenyl-d14	20.05	244	2340506	68.62	ng	0.00

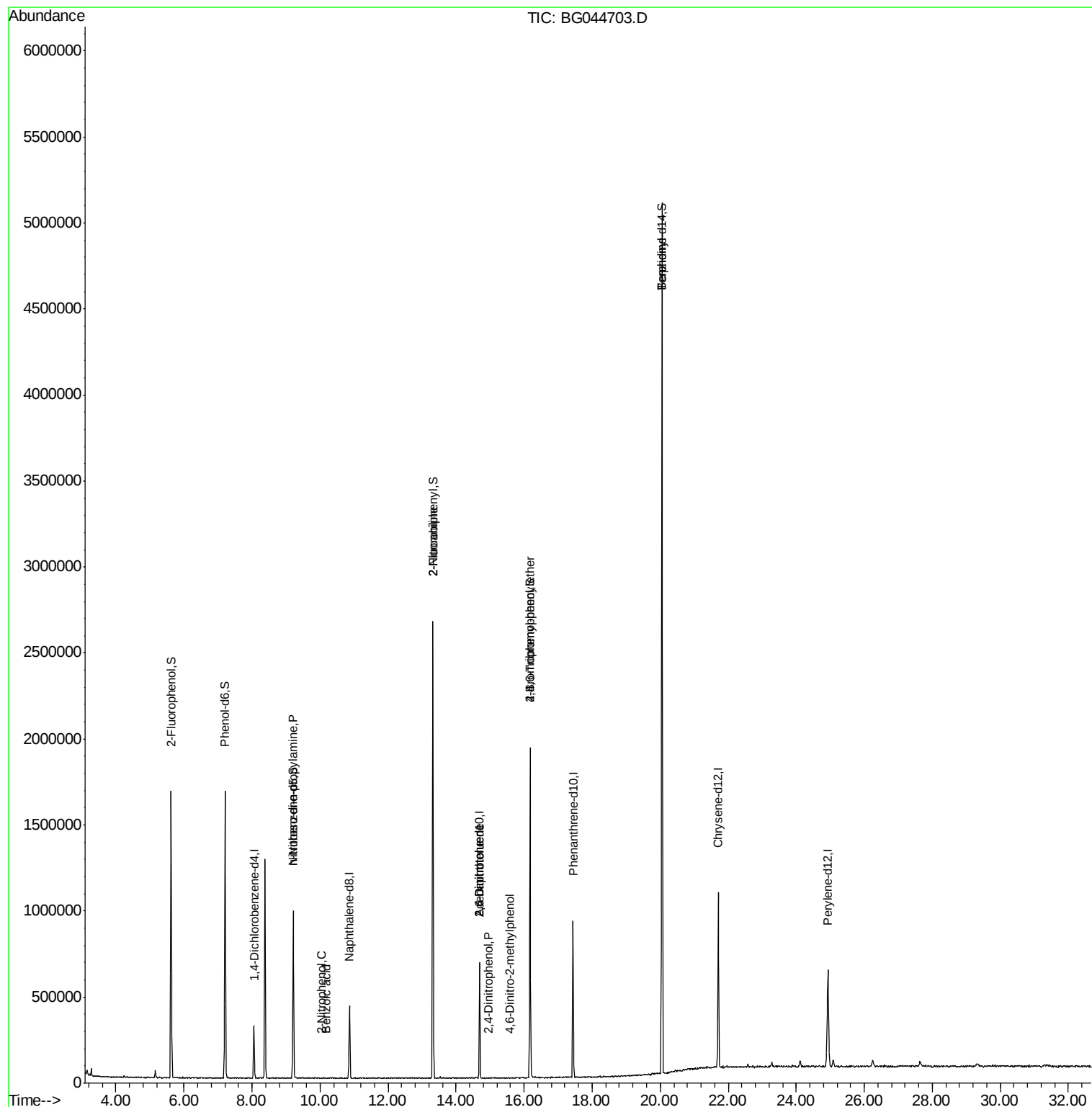
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1973	Below Cal		# 7
19) n-Nitroso-di-n-propylamine	9.21	70	79926	12.343	ng	# 82
26) 2-Nitrophenol	10.06	139	73	5.994	ng	# 26
32) Benzoic acid	10.20	122	54	7.739	ng	# 1
48) 2-Nitroaniline	13.32	65	2851	6.267	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	31797	8.886	ng	# 17
54) 2,4-Dinitrophenol	14.96	184	60	7.113	ng	# 11
57) 2,4-Dinitrotoluene	14.69	165	31797	11.510	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.57	198	54	7.932	ng	# 31
67) 4-Bromophenyl-phenylether	16.17	248	22822	3.246	ng	# 1
77) Benzidine	20.05	184	48705	2.004	ng	# 91

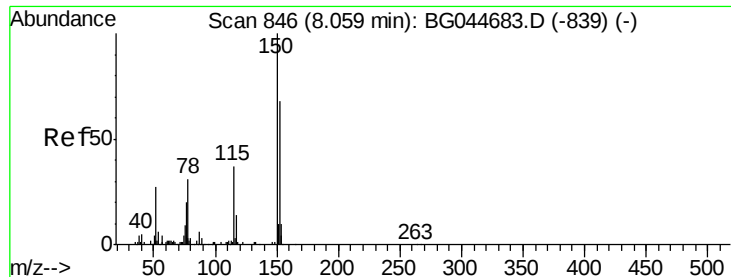
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030920\
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QLast Update : Thu Mar 05 17:42:35 2020
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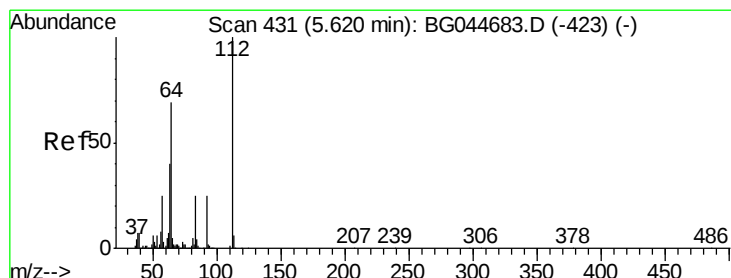
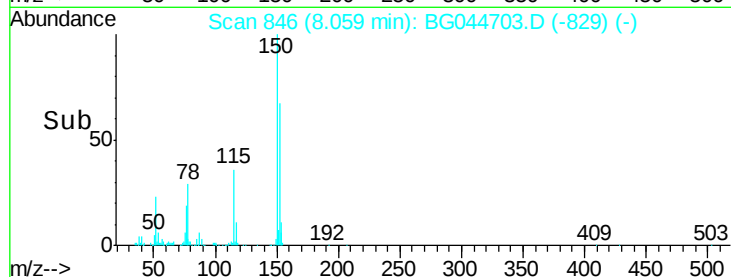
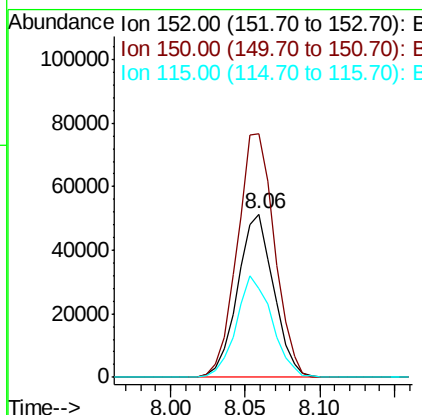
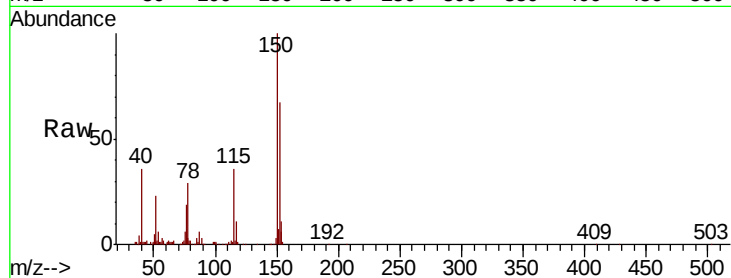


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Instrument :
BNA_G
ClientSampleId :

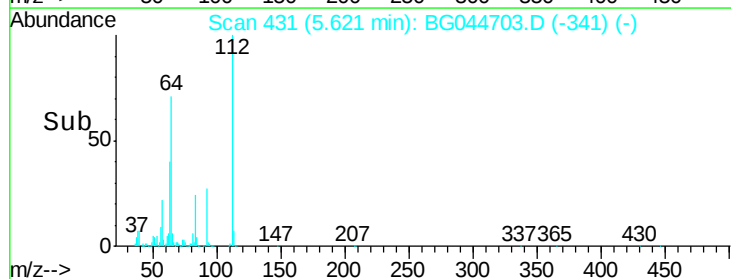
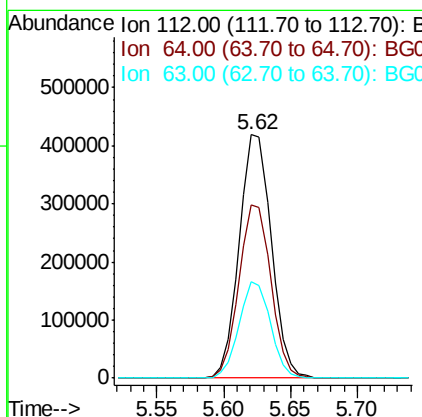
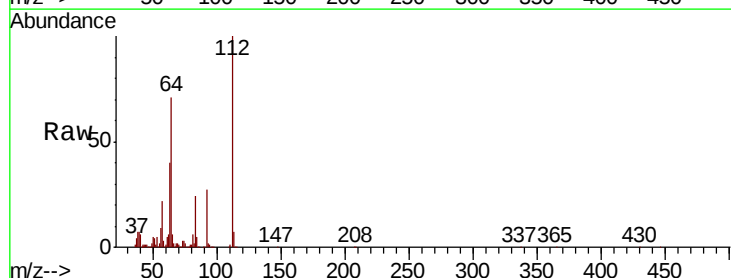
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	118.6	177.8
115	54.0	43.6	65.4

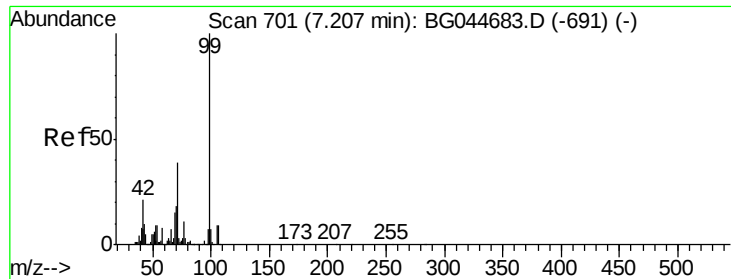


#5

2-Fluorophenol
Concen: 122.026 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	55.4	83.0
63	39.6	32.1	48.1





#7

Phenol-d6

Concen: 114.350 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Instrument :

BNA_G

ClientSampleId :

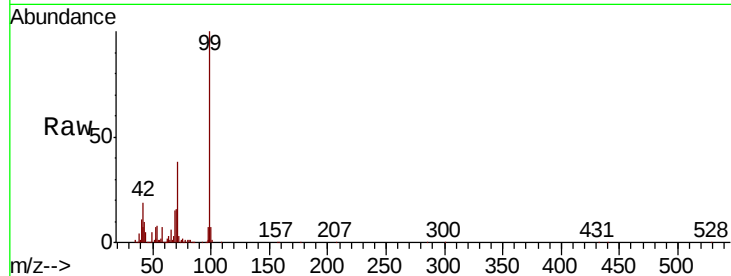
Tot Ion: 99 Resp: 991142

Ion Ratio Lower Upper

99 100

42 18.7 16.5 24.7

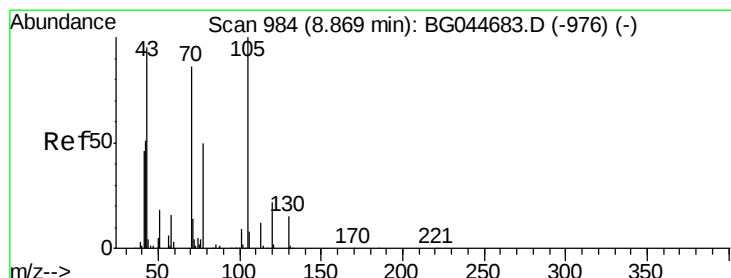
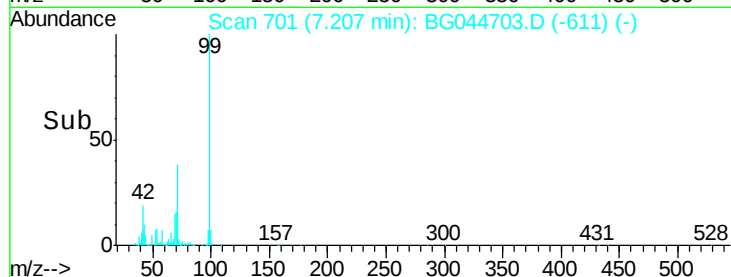
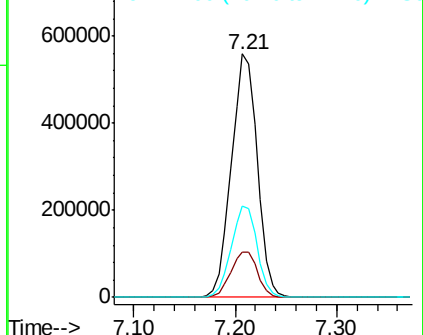
71 37.7 30.9 46.3



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: 12.343 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.34 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Tgt Ion: 70 Resp: 79926

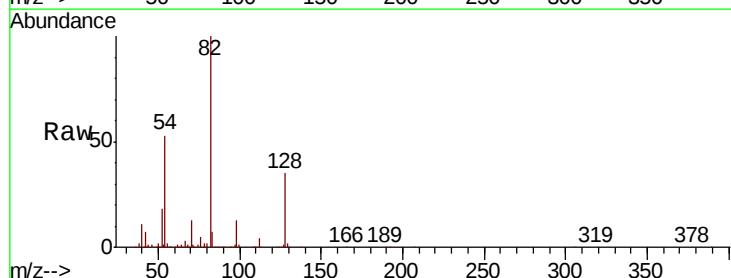
Ion Ratio Lower Upper

70 100

42 52.3 48.9 73.3

101 0.0 8.0 12.0#

130 2.0 14.1 21.1#

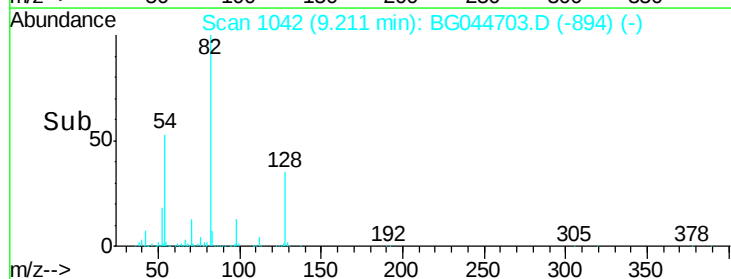
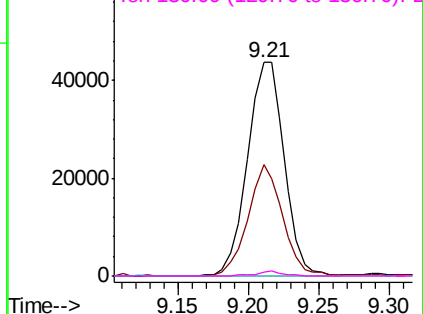


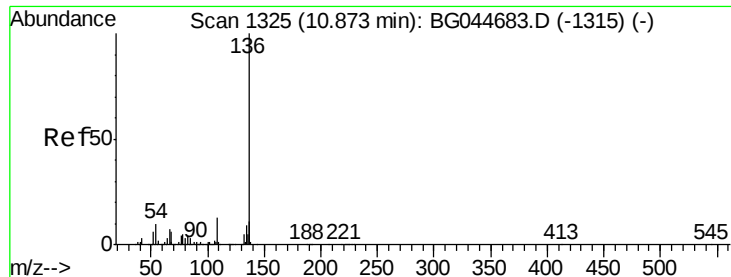
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

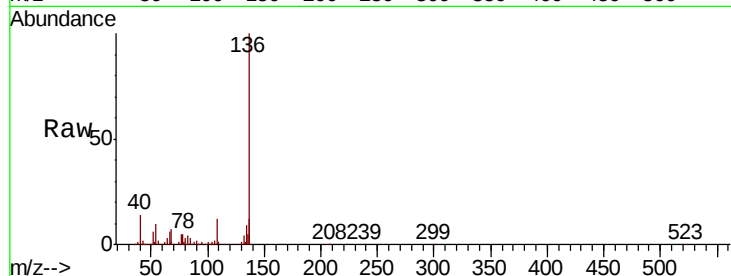




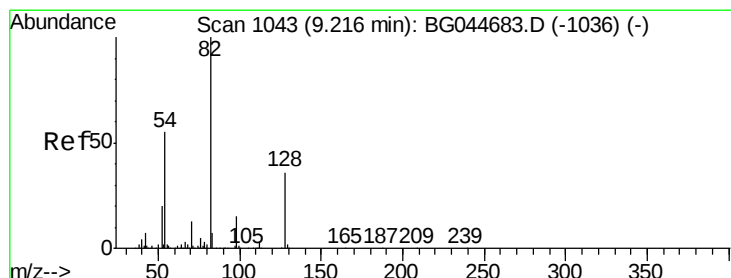
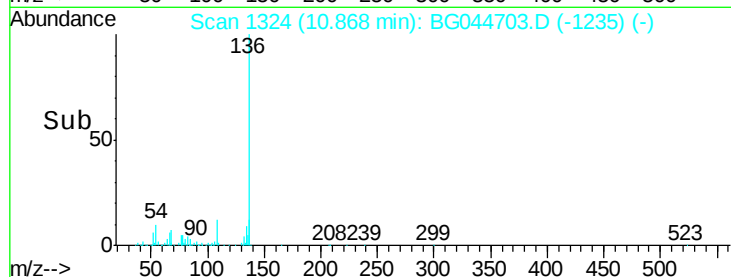
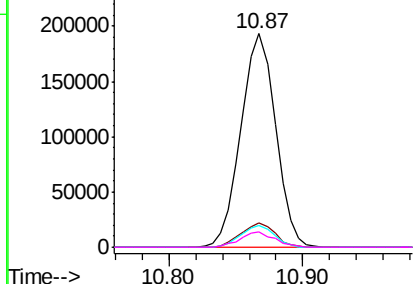
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	348164
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.6	12.8
54 10.2	8.2	12.4
68 7.4	5.3	7.9

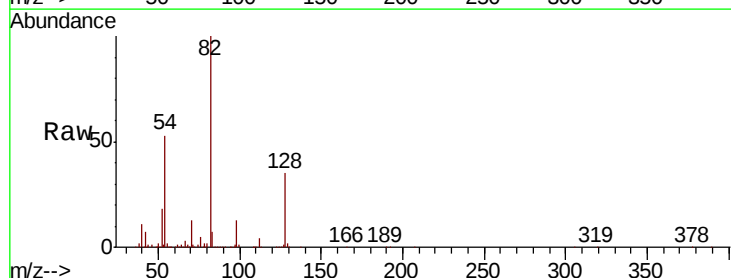


Abundance Ion 136.00 (135.70 to 136.70): E
300000
Ion 137.00 (136.70 to 137.70): E
250000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

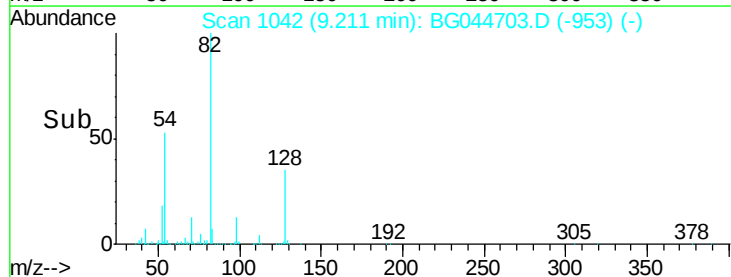
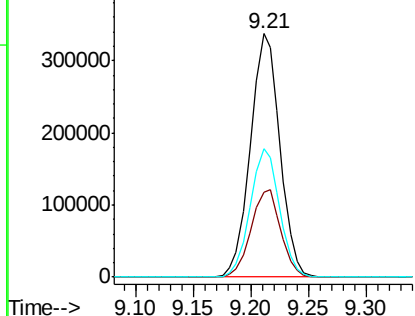


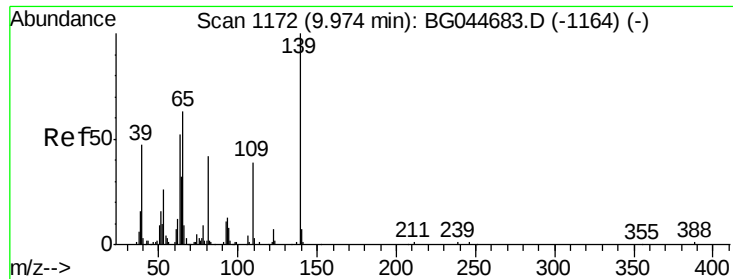
#23
Nitrobenzene-d5
Concen: 78.468 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Tgt Ion: 82	Resp: 600028
Ion Ratio	Lower Upper
82 100	
128 35.1	28.5 42.7
54 52.9	43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BGC
400000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

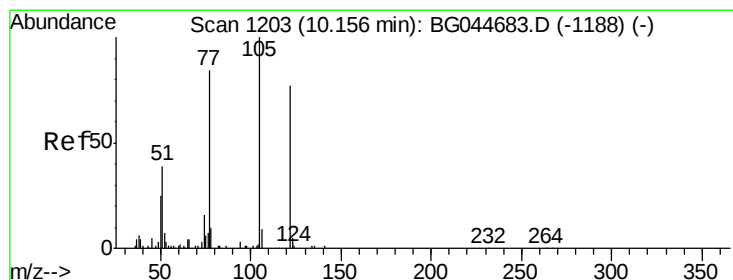
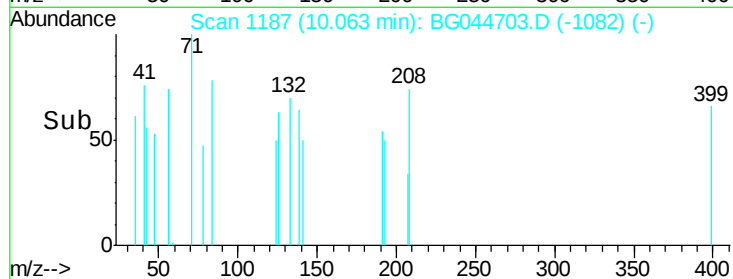
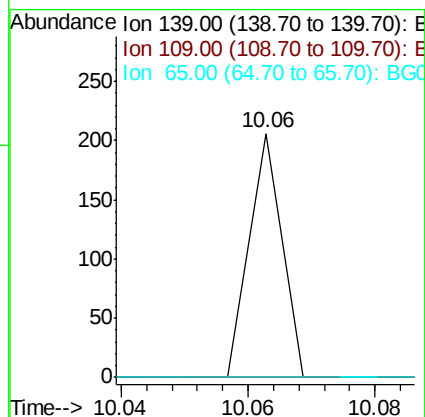
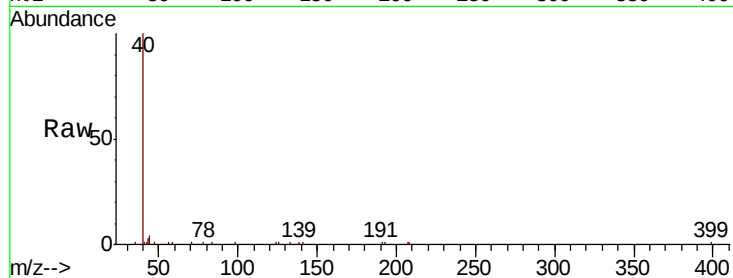




#26
2-Nitrophenol
Concen: 5.994 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.09 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

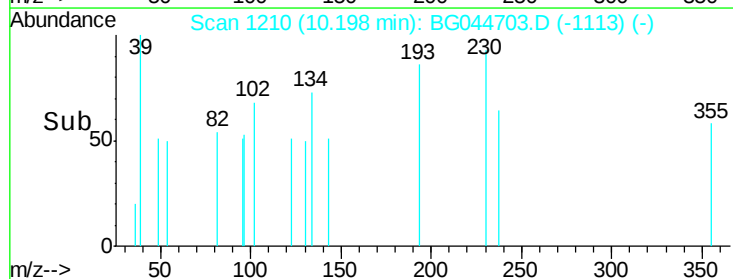
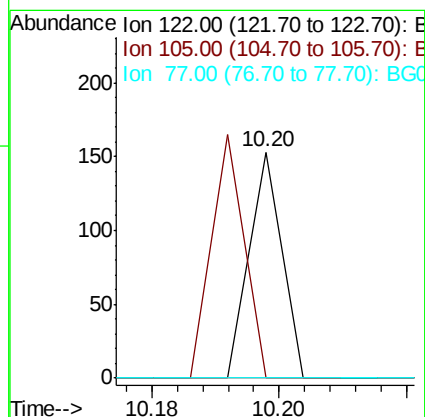
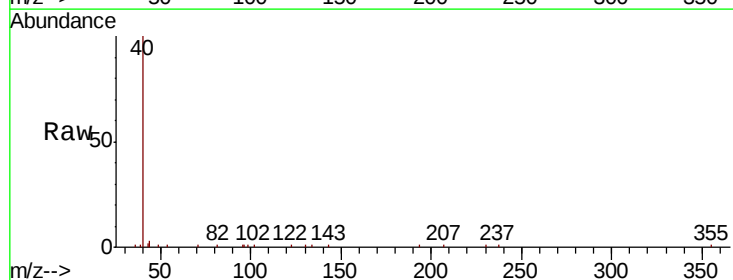
Instrument :
BNA_G
ClientSampled :

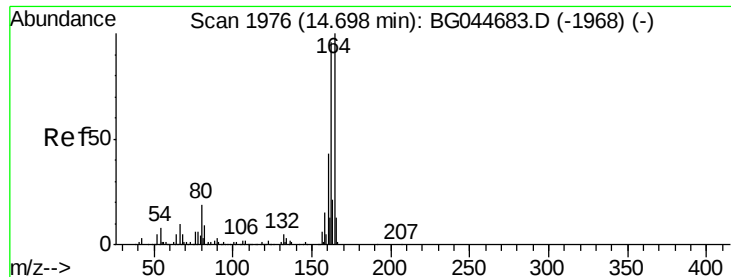
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	31.1	46.7#
65	0.0	50.2	75.4#



#32
Benzoic acid
Concen: 7.739 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.04 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	105.1	145.1#
77	0.0	87.7	127.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Instrument :

BNA_G

ClientSampleId :

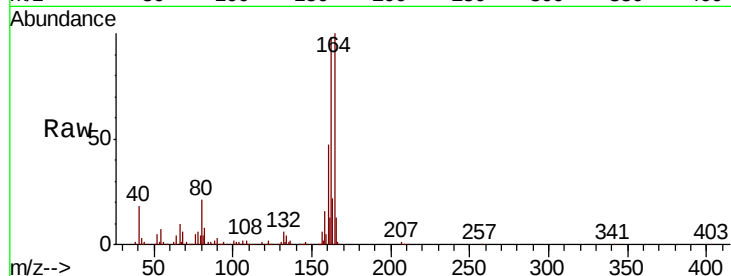
Tot Ion:164 Resp: 239530

Ion Ratio Lower Upper

164 100

162 97.7 76.5 114.7

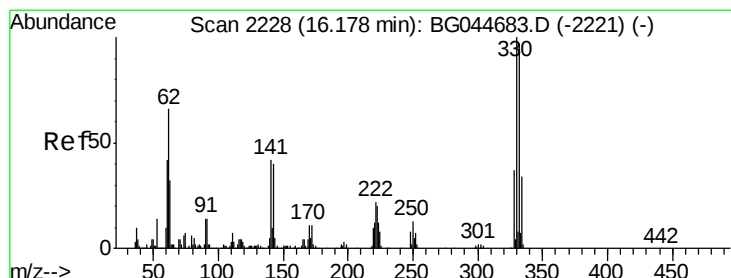
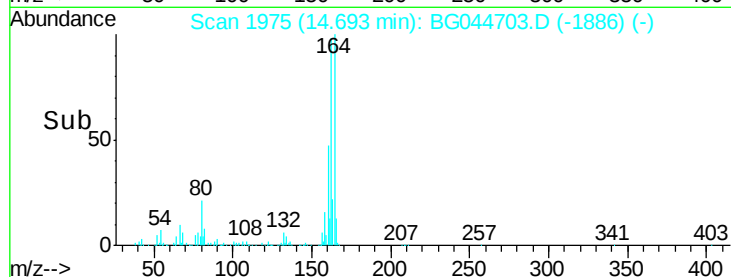
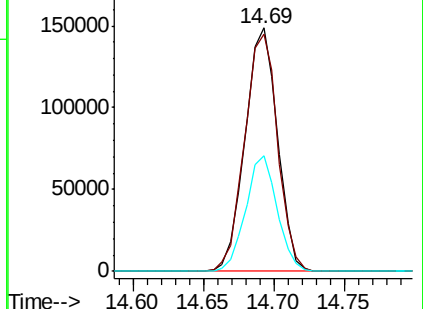
160 47.5 34.8 52.2



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: 104.661 ng

RT: 16.18 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

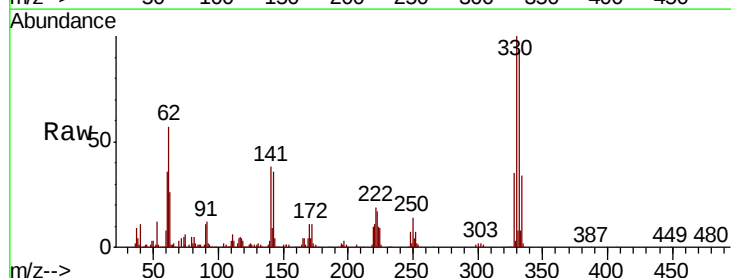
Tgt Ion:330 Resp: 344368

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

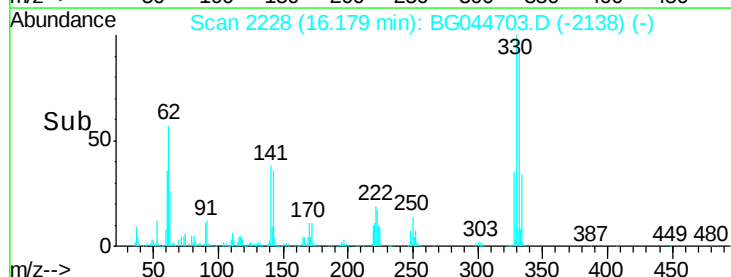
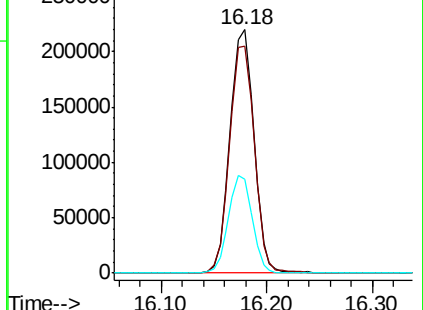
141 40.1 32.4 48.6

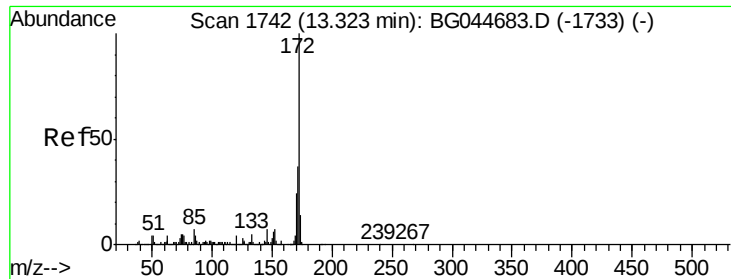


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

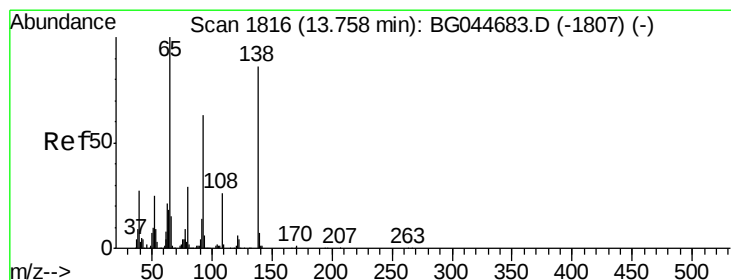
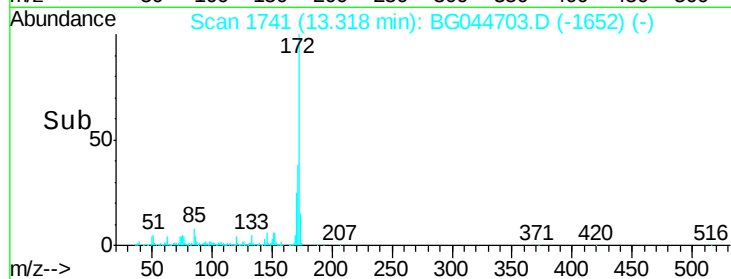
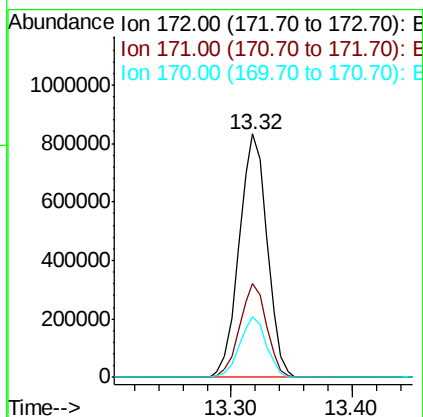
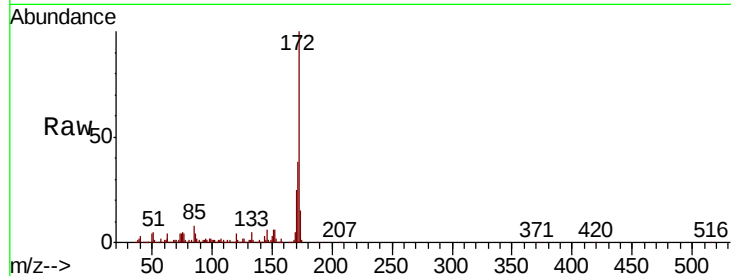




#45
2-Fluorobiphenyl
Concen: 78.104 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

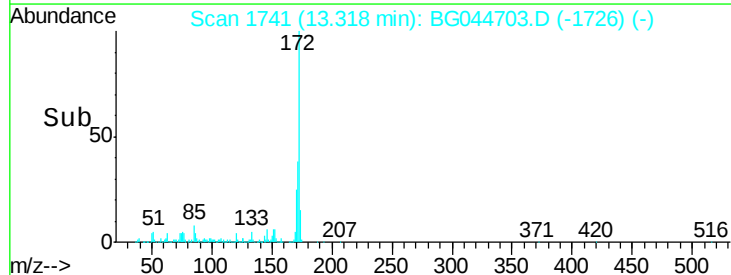
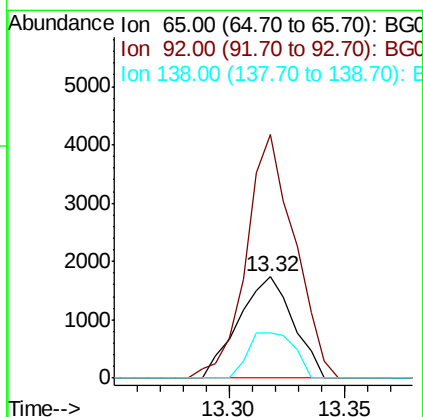
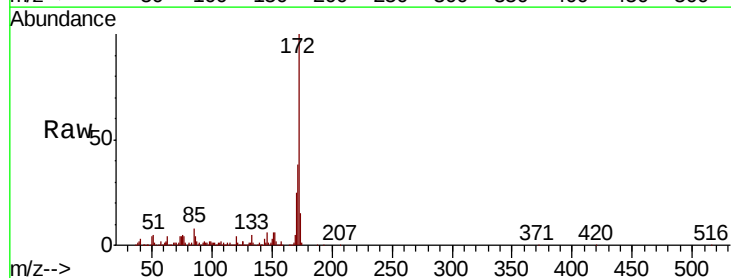
Instrument :
BNA_G
ClientSampled :

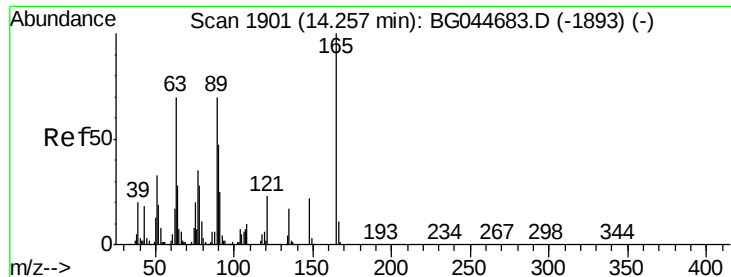
Tot Ion:172 Resp: 1343004
Ion Ratio Lower Upper
172 100
171 38.5 29.8 44.8
170 25.1 19.3 28.9



#48
2-Nitroaniline
Concen: 6.267 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.44 min
Lab File: BG044703.D
Acq: 9 Mar 2020 15:02

Tgt Ion: 65 Resp: 2851
Ion Ratio Lower Upper
65 100
92 240.6 50.6 75.8#
138 45.3 68.8 103.2#

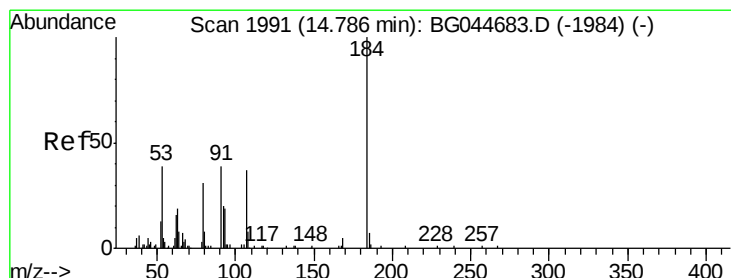
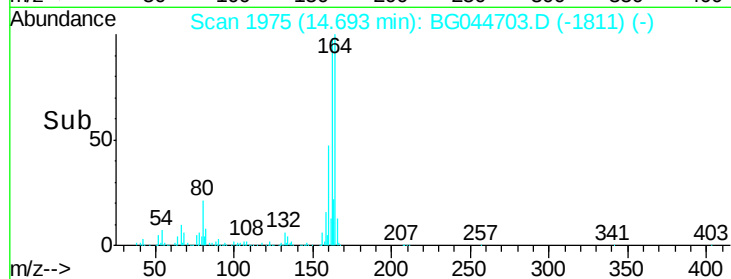
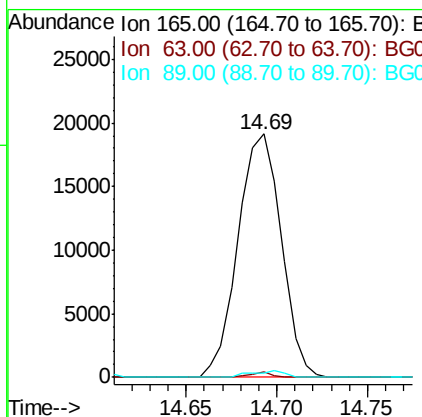
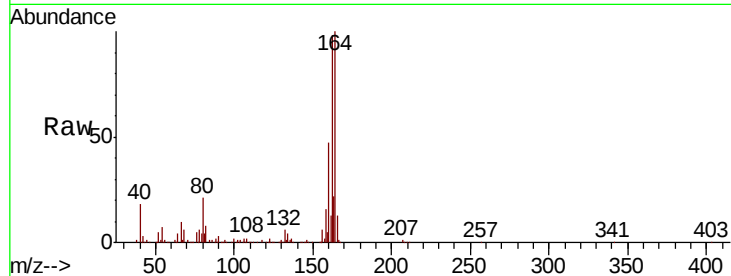




#51
 2,6-Dinitrotoluene
 Concen: 8.886 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.44 min
 Lab File: BG044703.D
 Acq: 9 Mar 2020 15:02

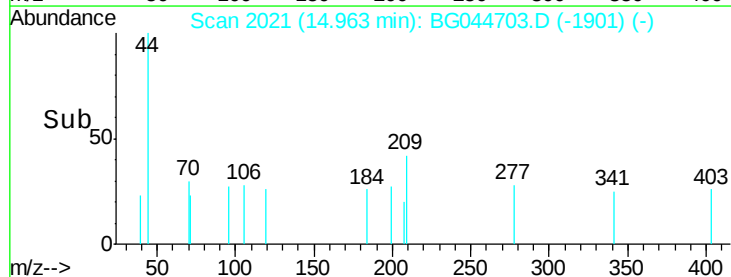
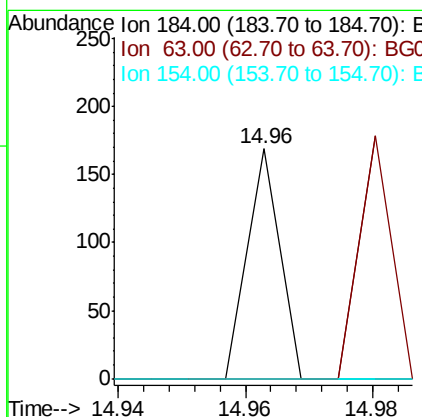
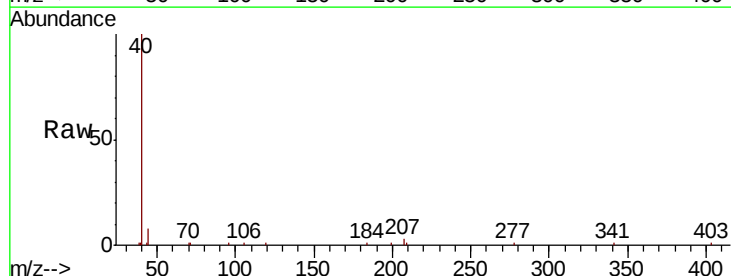
Instrument :
 BNA_G
 ClientSampled :

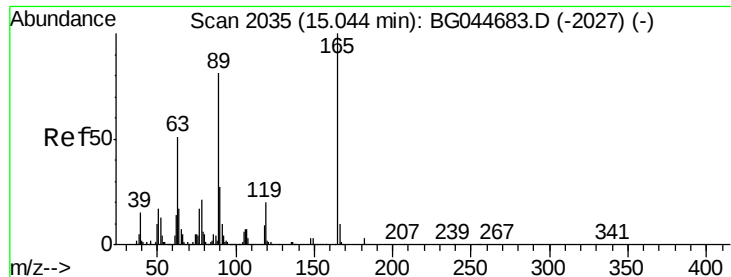
Tot Ion:165 Resp: 31797
 Ion Ratio Lower Upper
 165 100
 63 2.4 57.4 86.0#
 89 1.8 56.2 84.2#



#54
 2,4-Dinitrophenol
 Concen: 7.113 ng
 RT: 14.96 min Scan# 2021
 Delta R.T. 0.18 min
 Lab File: BG044703.D
 Acq: 9 Mar 2020 15:02

Tgt Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 42.4 63.6#
 154 0.0 75.0 112.4#

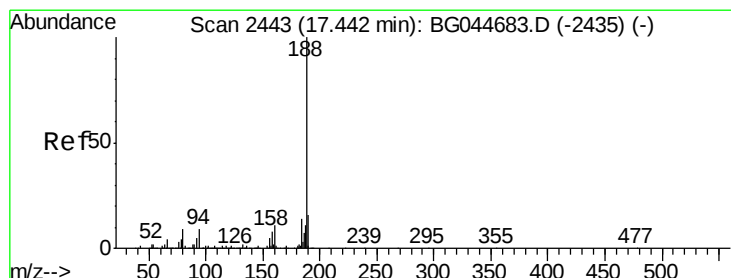
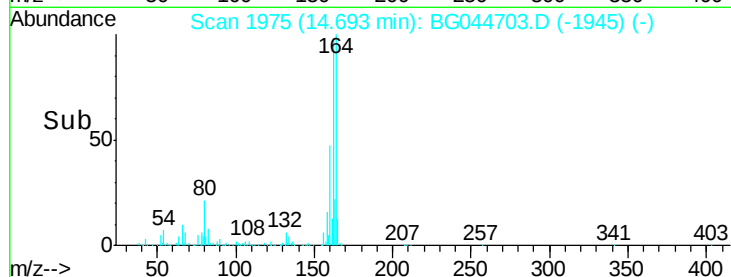
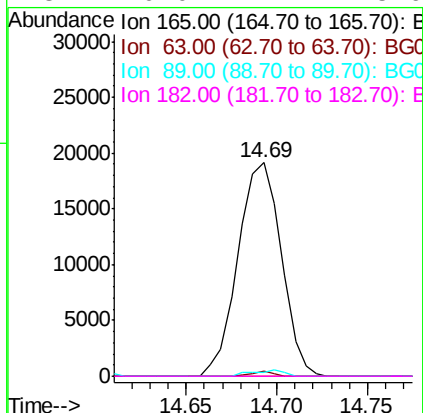
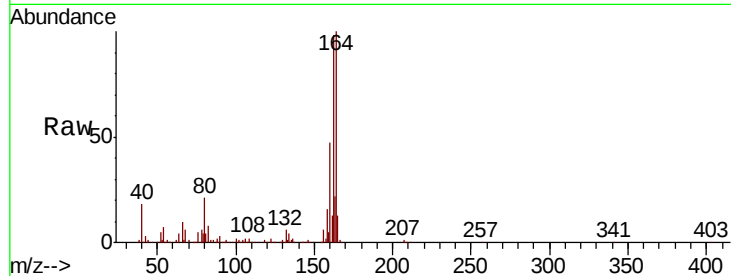




#57
 2,4-Dinitrotoluene
 Concen: 11.510 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.35 min
 Lab File: BG044703.D
 Acq: 9 Mar 2020 15:02

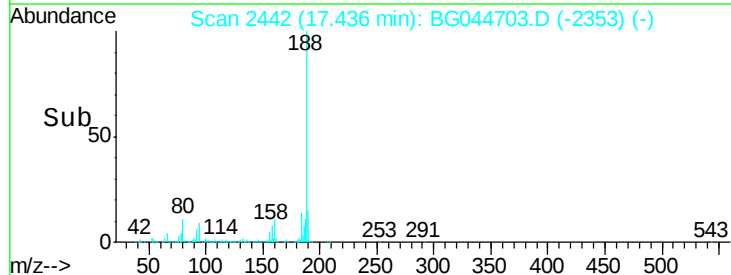
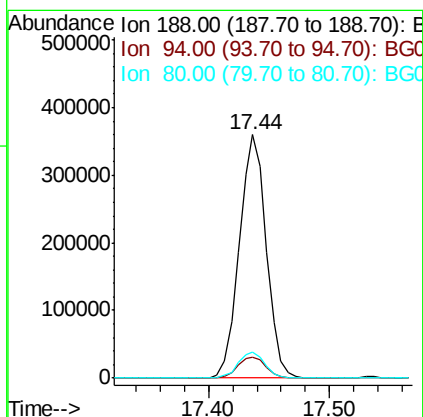
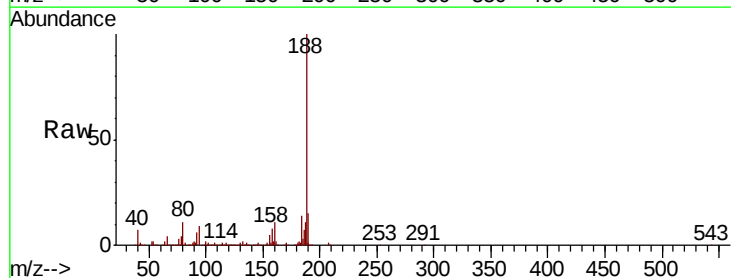
Instrument :
 BNA_G
 ClientSampleId :

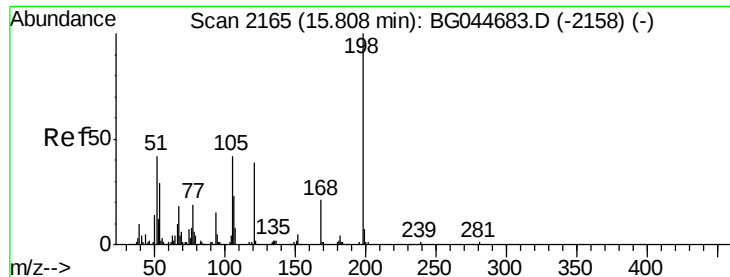
Tot Ion:165 Resp: 31797
 Ion Ratio Lower Upper
 165 100
 63 2.4 40.6 61.0#
 89 1.8 65.0 97.6#
 182 0.0 2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG044703.D
 Acq: 9 Mar 2020 15:02

Tgt Ion:188 Resp: 557406
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.4 11.0
 80 10.8 7.3 10.9





#65

4,6-Dinitro-2-methylphenol

Concen: 7.932 ng

RT: 15.57 min Scan# 2124

Delta R.T. -0.24 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Instrument :

BNA_G

ClientSampled :

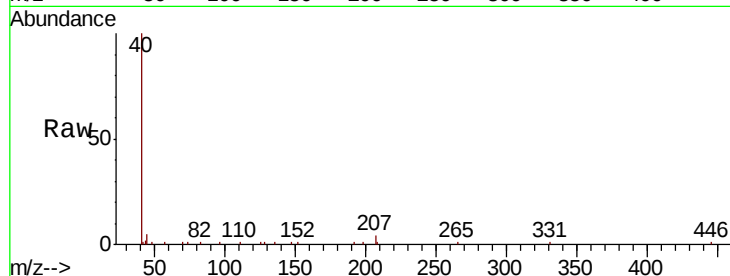
Tot Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 27.1 67.1#

105 0.0 23.6 63.6#

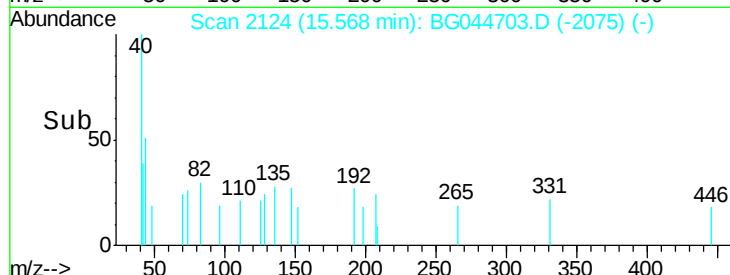


Abundance Ion 198.00 (197.70 to 198.70): E

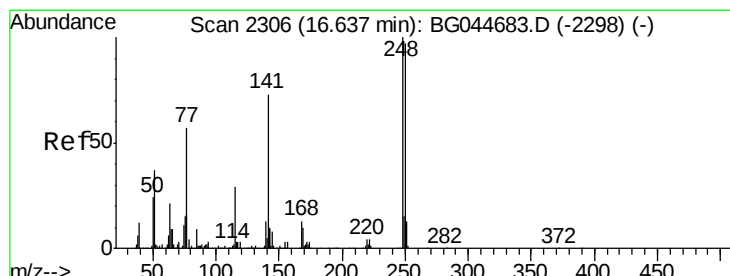
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.246 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

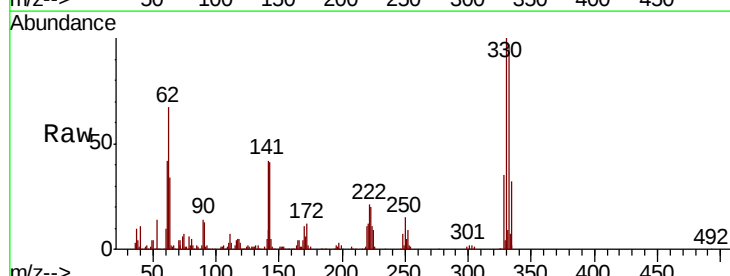
Tgt Ion:248 Resp: 22822

Ion Ratio Lower Upper

248 100

250 212.7 77.4 116.2#

141 601.7 58.1 87.1#

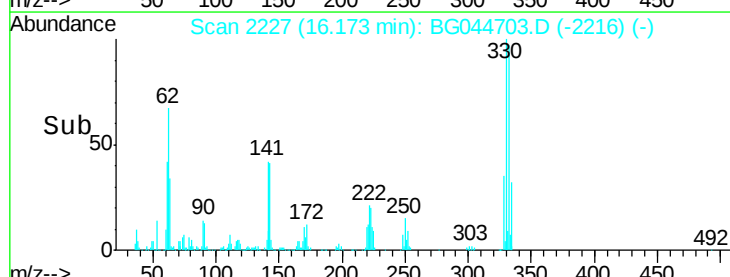


Abundance Ion 248.00 (247.70 to 248.70): E

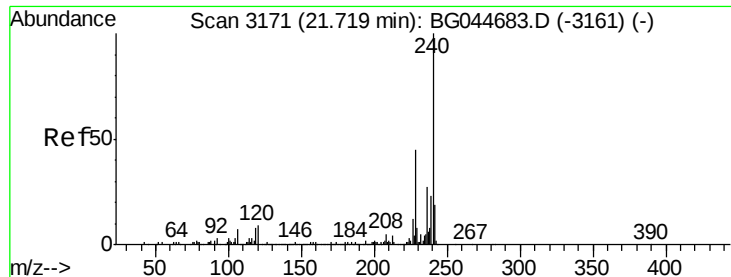
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Instrument :

BNA_G

ClientSampleId :

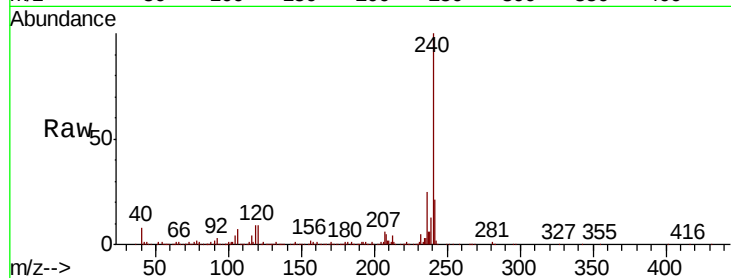
Tot Ion:240 Resp: 608844

Ion Ratio Lower Upper

240 100

120 9.5 7.0 10.6

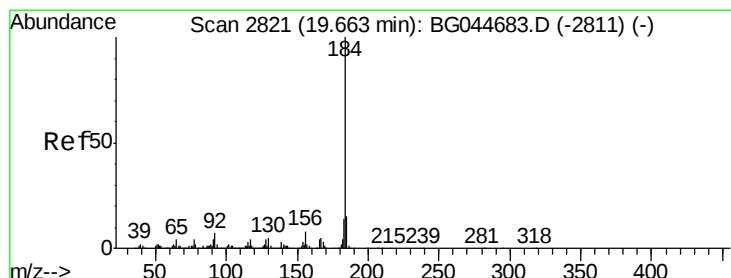
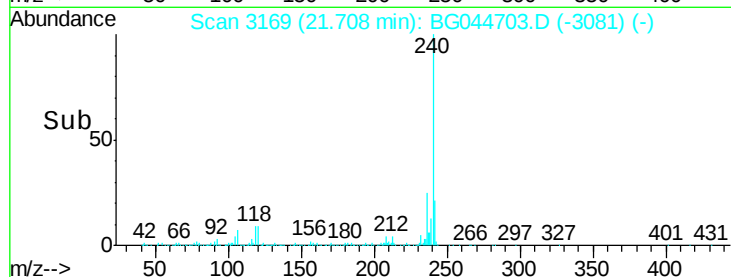
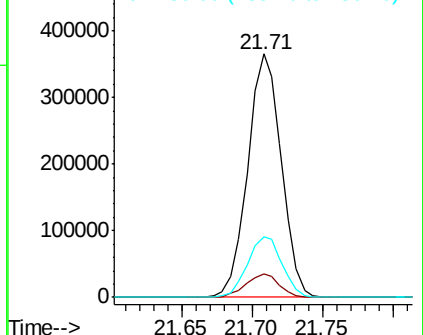
236 24.8 21.5 32.3



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: 2.004 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.39 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

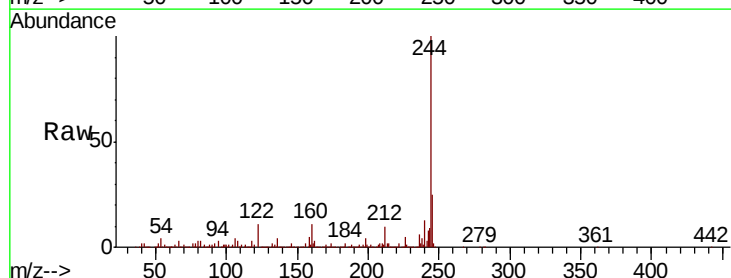
Tgt Ion:184 Resp: 48705

Ion Ratio Lower Upper

184 100

185 15.0 12.0 18.0

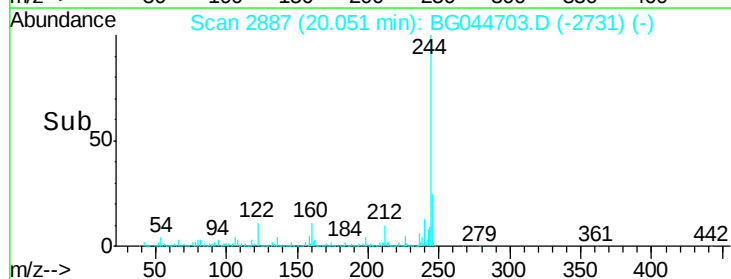
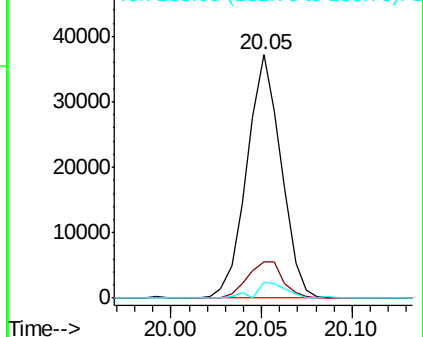
183 6.5 11.4 17.2#

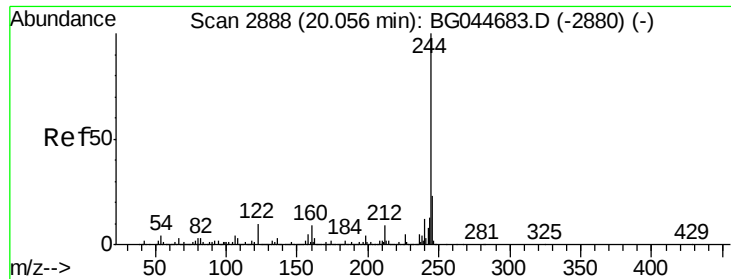


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 68.619 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

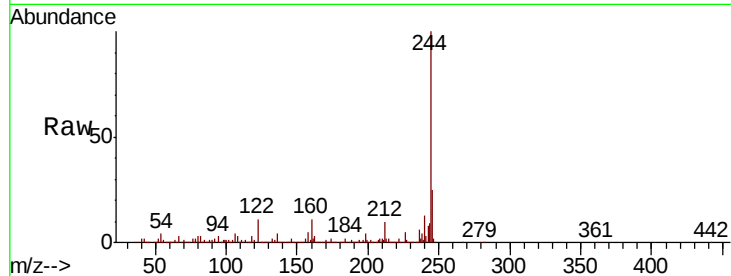
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2340506

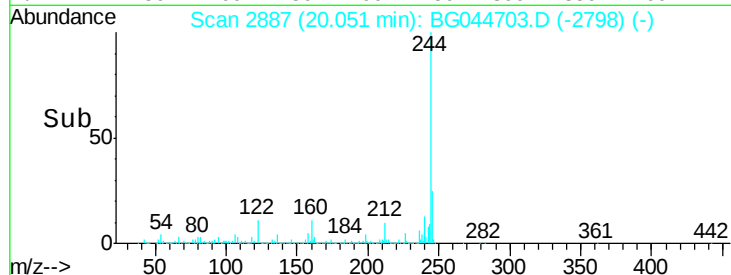
Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.5	11.3
122	11.3	7.7	11.5



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



20.05

1500000

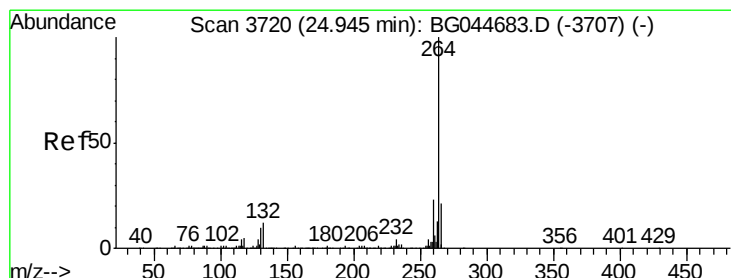
1000000

500000

0

Time-->

20.00 20.10



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

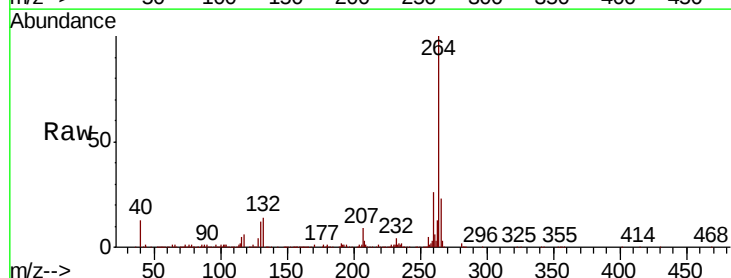
Delta R.T. -0.01 min

Lab File: BG044703.D

Acq: 9 Mar 2020 15:02

Tgt Ion:264 Resp: 616916

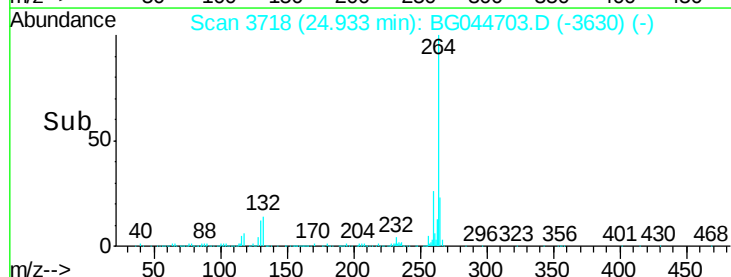
Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.4	27.6
265	22.9	16.9	25.3



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



24.93

250000

200000

150000

100000

50000

0

Time-->

24.80 24.90 25.00 25.10