

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071017\
 Data File : BG027897.D
 Acq On : 10 Jul 2017 21:27
 Operator : SJ/JU
 Sample : I4071-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 11 07:02:08 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 17:43:21 2017
 Response via : Initial Calibration

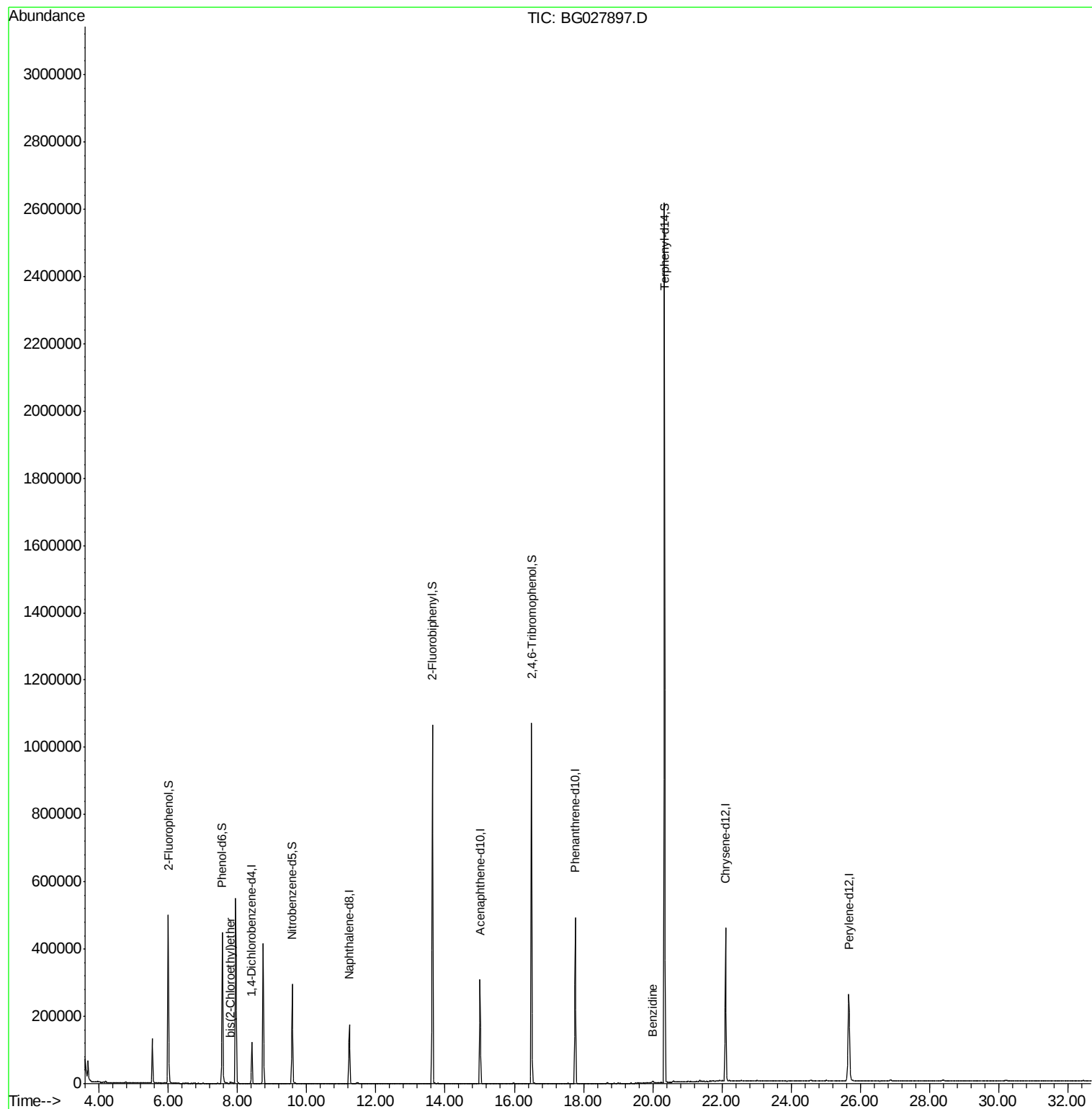
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	41322	20.00	ng	-0.01
21) Naphthalene-d8	11.23	136	181942	20.00	ng	-0.01
38) Acenaphthene-d10	15.01	164	109736	20.00	ng	-0.01
63) Phenanthrene-d10	17.76	188	312943	20.00	ng	-0.01
75) Chrysene-d12	22.10	240	300932	20.00	ng	-0.02
86) Perylene-d12	25.66	264	295316	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	292681	109.07	ng	0.00
7) Phenol-d6	7.56	99	367145	89.56	ng	-0.01
23) Nitrobenzene-d5	9.58	82	219150	67.14	ng	-0.01
41) 2,4,6-Tribromophenol	16.50	330	252843	167.99	ng	-0.02
44) 2-Fluorobiphenyl	13.64	172	605789	78.84	ng	-0.01
78) Terphenyl-d14	20.34	244	1166894	90.91	ng	-0.01
Target Compounds						
11) bis(2-Chloroethyl)ether	7.79	93	6381	2.07	ng	# 11
76) Benzidine	19.99	184	7283	4.17	ng	# 92

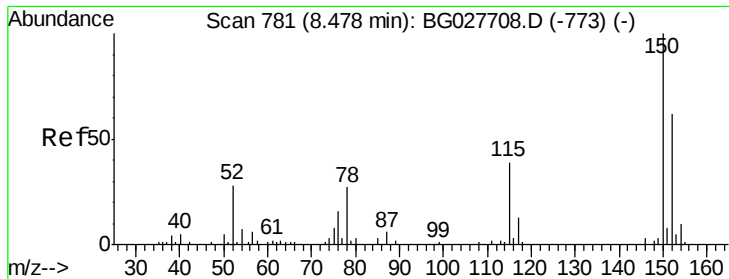
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071017\
Data File : BG027897.D
Acq On : 10 Jul 2017 21:27
Operator : SJ/JU
Sample : I4071-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jul 11 07:02:08 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 17:43:21 2017
Response via : Initial Calibration



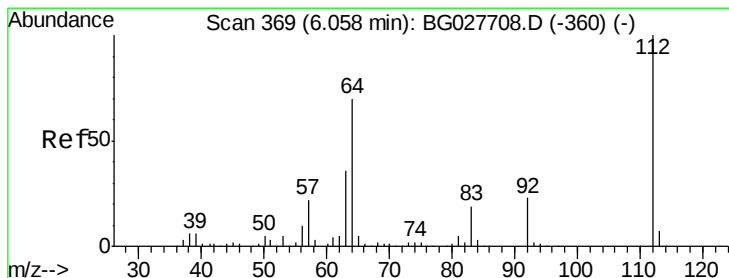
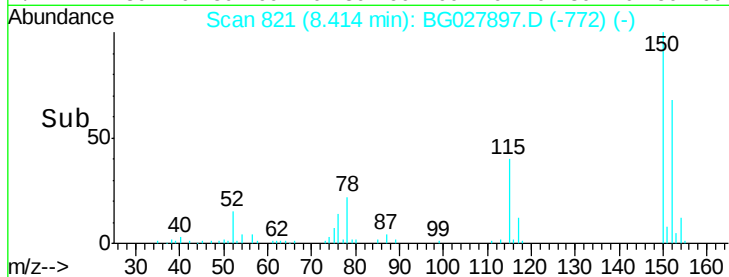
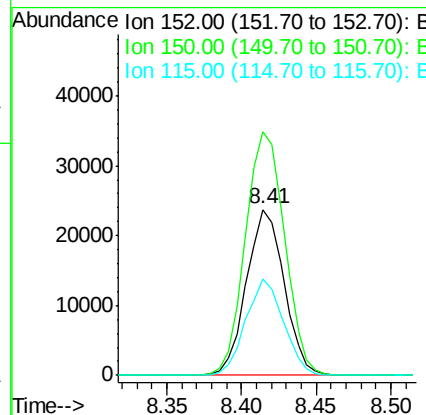
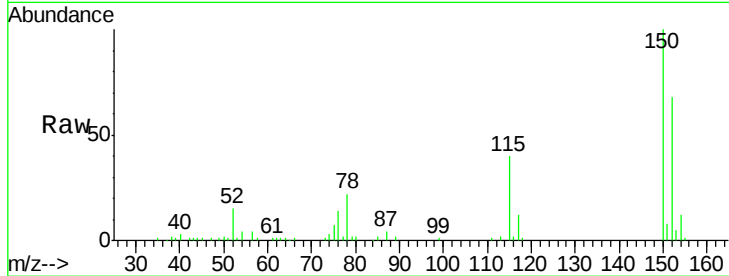


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.41 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG027897.D
Acq: 10 Jul 2017 21:27

Instrument :
BNA_G
ClientSampleId :

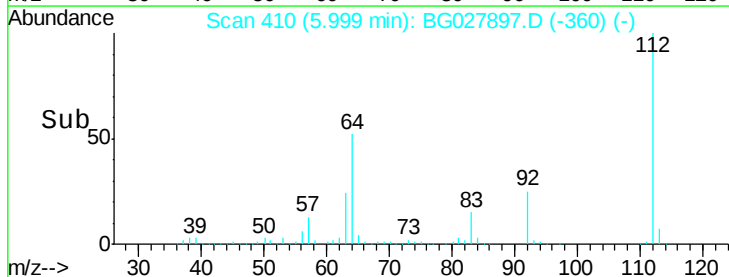
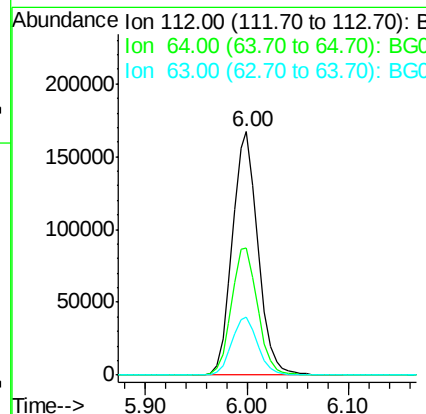
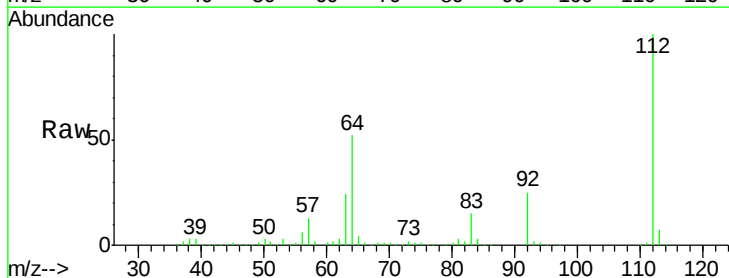
Tot Ion:152 Resp: 41322
Ion Ratio Lower Upper
152 100
150 146.9 114.0 171.0
115 58.1 48.1 72.1



#5

2-Fluorophenol
Concen: 109.07 ng
RT: 6.00 min Scan# 410
Delta R.T. -0.01 min
Lab File: BG027897.D
Acq: 10 Jul 2017 21:27

Tgt Ion:112 Resp: 292681
Ion Ratio Lower Upper
112 100
64 52.3 61.8 92.6#
63 23.6 37.2 55.8#





#7

Phenol-d6

Concen: 89.56 ng

RT: 7.56 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

Instrument :

BNA_G

ClientSampled :

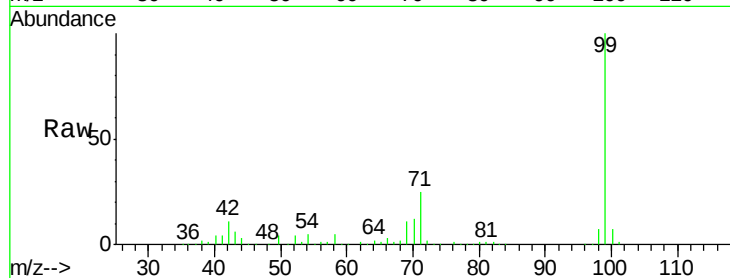
Tot Ion: 99 Resp: 367145

Ion Ratio Lower Upper

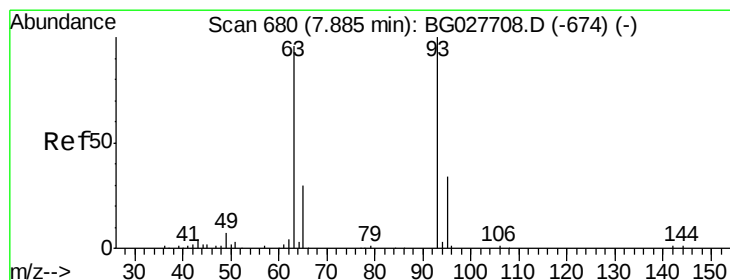
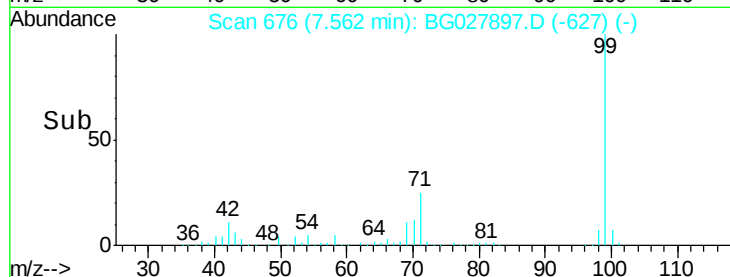
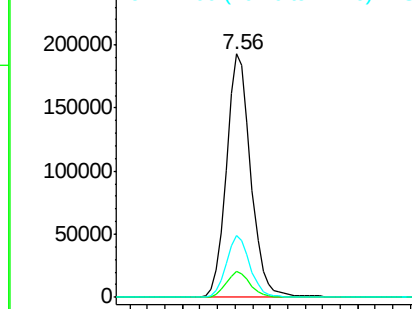
99 100

42 10.7 20.5 30.7#

71 25.3 37.6 56.4#



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



#11

bis(2-Chloroethyl)ether

Concen: 2.07 ng

RT: 7.79 min Scan# 714

Delta R.T. -0.05 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

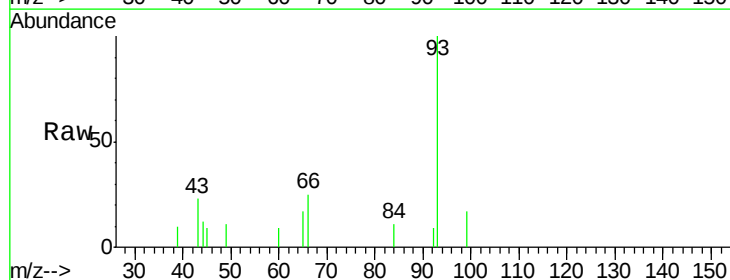
Tgt Ion: 93 Resp: 6381

Ion Ratio Lower Upper

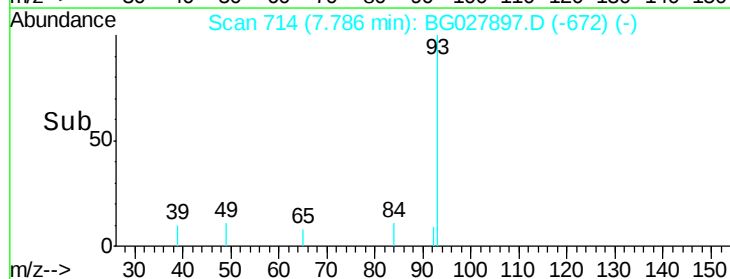
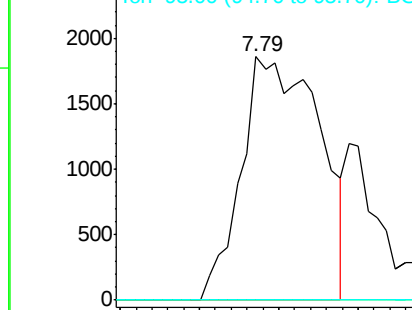
93 100

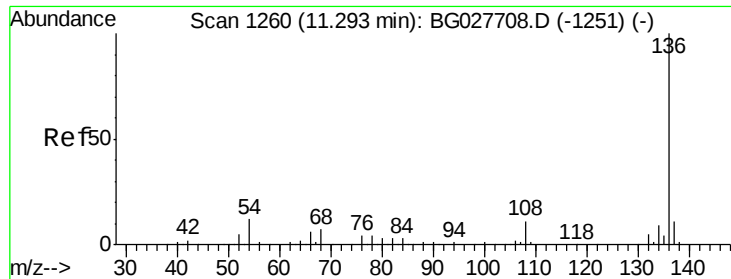
63 0.0 78.5 118.5#

95 0.0 9.8 49.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

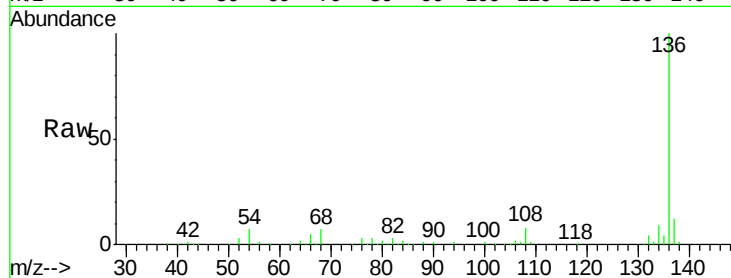




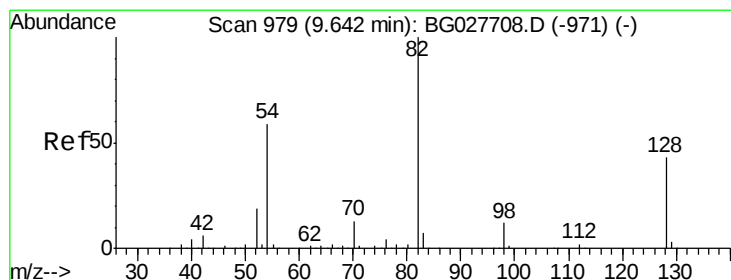
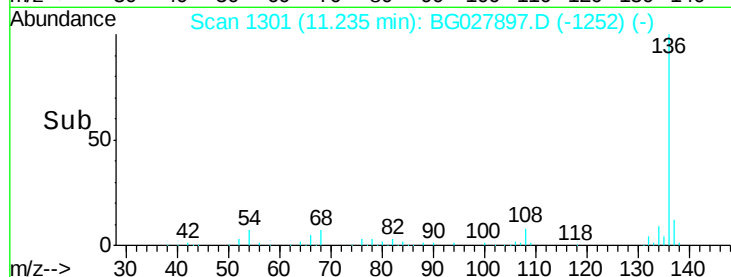
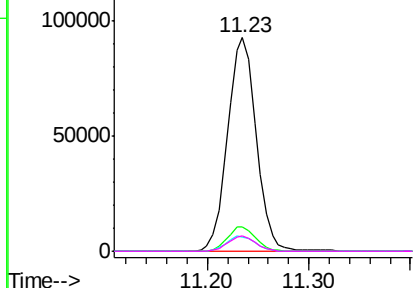
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG027897.D
Acq: 10 Jul 2017 21:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	181942
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	6.6	9.3	13.9#
68	7.3	5.1	7.7

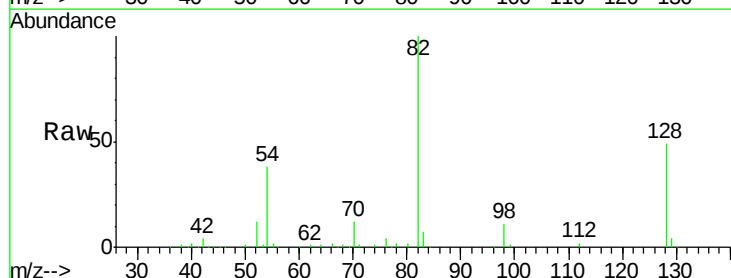


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

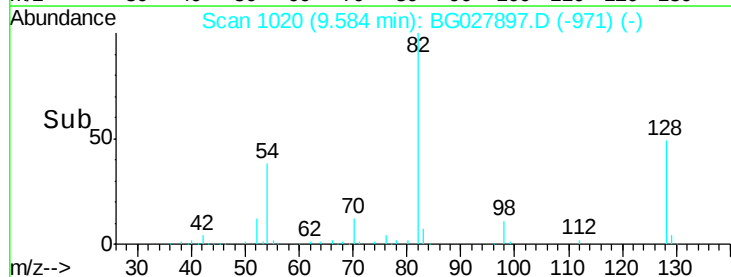
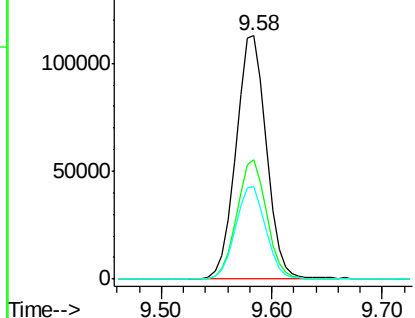


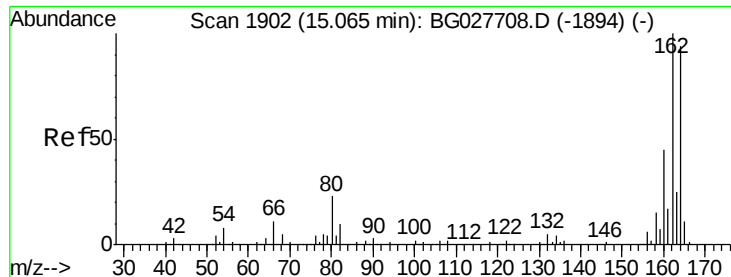
#23
Nitrobenzene-d5
Concen: 67.14 ng
RT: 9.58 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG027897.D
Acq: 10 Jul 2017 21:27

Tgt Ion:	82	Resp:	219150
Ion	Ratio	Lower	Upper
82	100		
128	49.0	26.4	39.6#
54	38.0	49.4	74.2#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

Instrument :

BNA_G

ClientSampled :

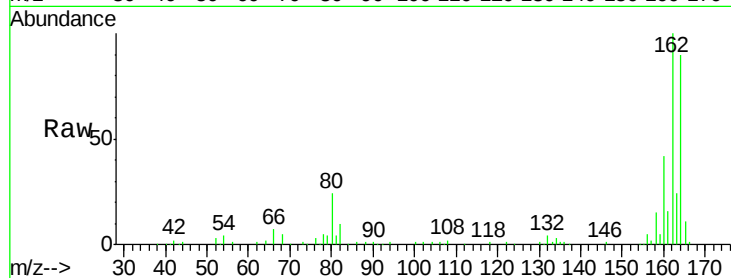
Tot Ion:164 Resp: 109736

Ion Ratio Lower Upper

164 100

162 111.1 85.1 127.7

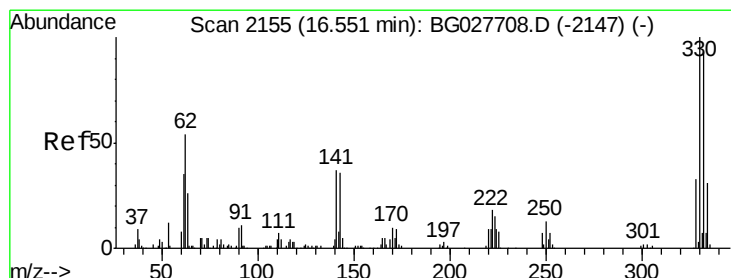
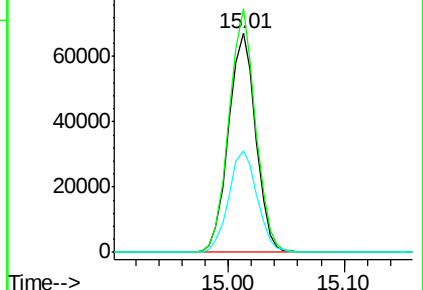
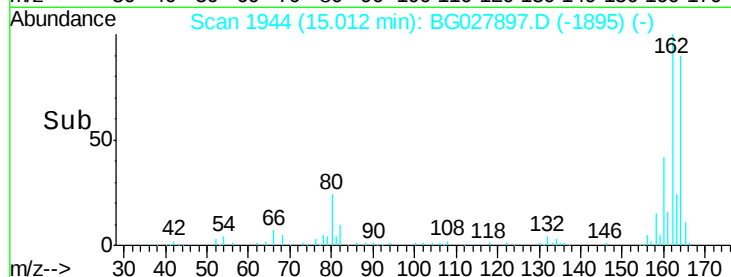
160 46.2 34.7 52.1



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



#41

2,4,6-Tribromophenol

Concen: 167.99 ng

RT: 16.50 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

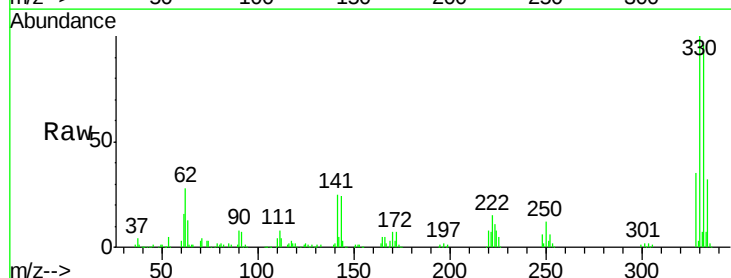
Tgt Ion:330 Resp: 252843

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

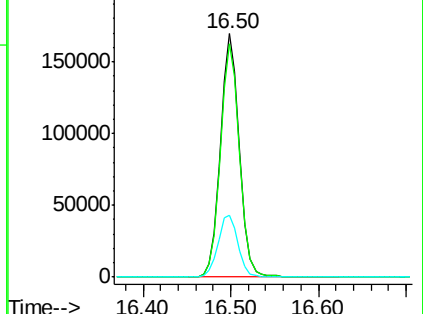
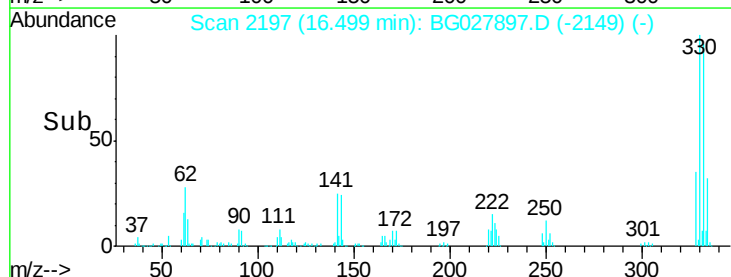
141 27.0 32.1 48.1#

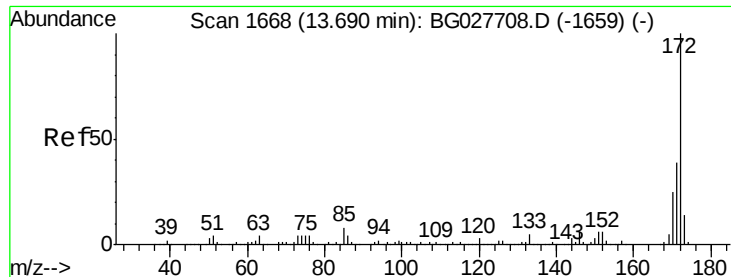


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

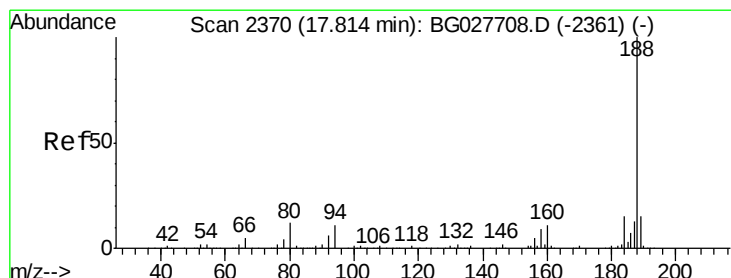
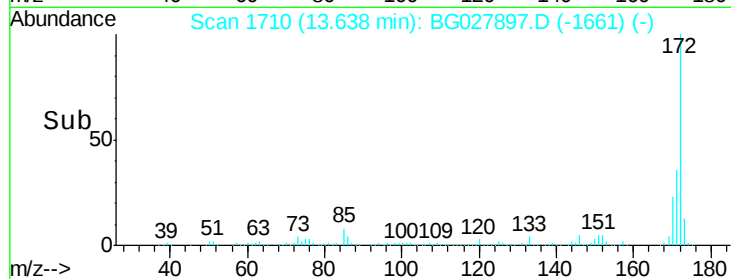
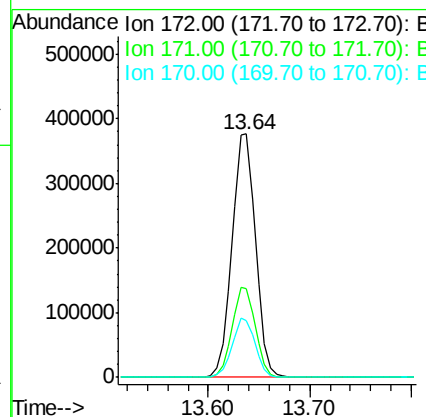
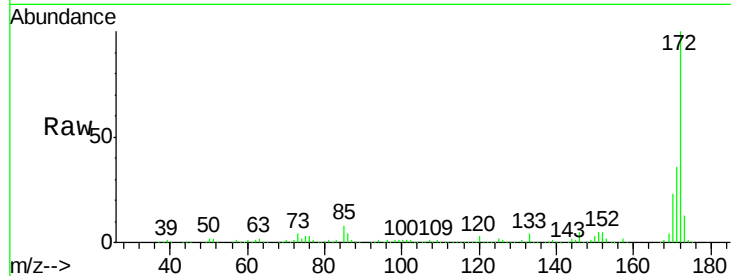




#44
 2-Fluorobiphenyl
 Concen: 78.84 ng
 RT: 13.64 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG027897.D
 Acq: 10 Jul 2017 21:27

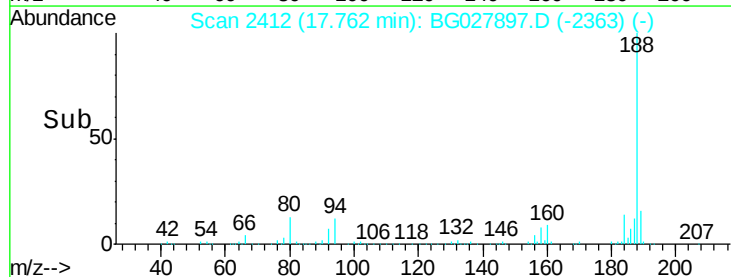
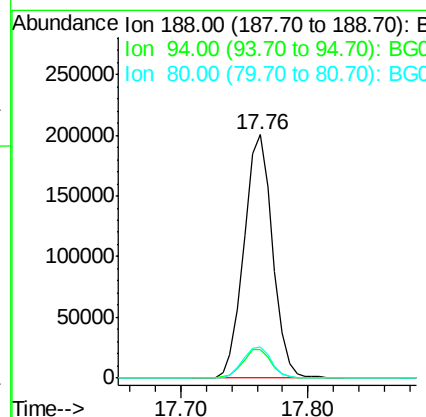
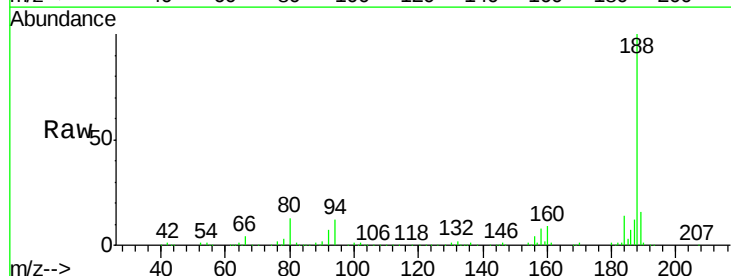
Instrument :
 BNA_G
 ClientSampleId :

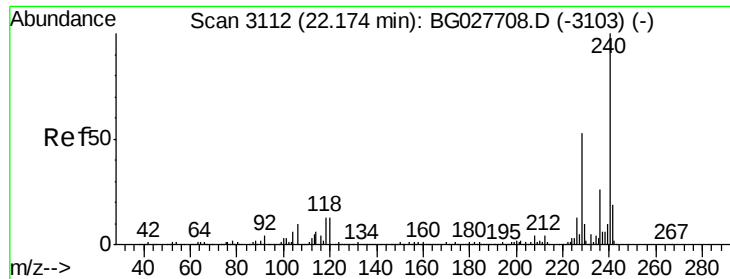
Tot Ion:172 Resp: 605789
 Ion Ratio Lower Upper
 172 100
 171 36.4 32.2 48.2
 170 23.2 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.76 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG027897.D
 Acq: 10 Jul 2017 21:27

Tgt Ion:188 Resp: 312943
 Ion Ratio Lower Upper
 188 100
 94 11.9 5.8 8.8#
 80 13.0 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.10 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

Instrument :

BNA_G

ClientSampleId :

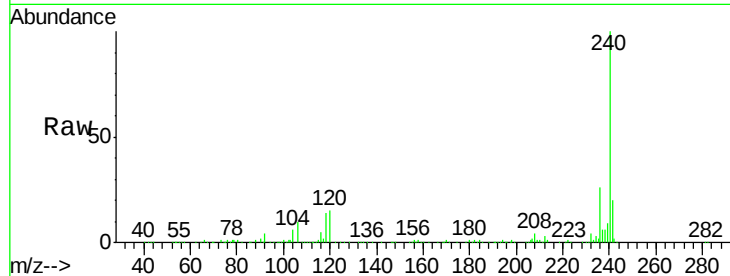
Tot Ion:240 Resp: 300932

Ion Ratio Lower Upper

240 100

120 15.0 5.7 8.5#

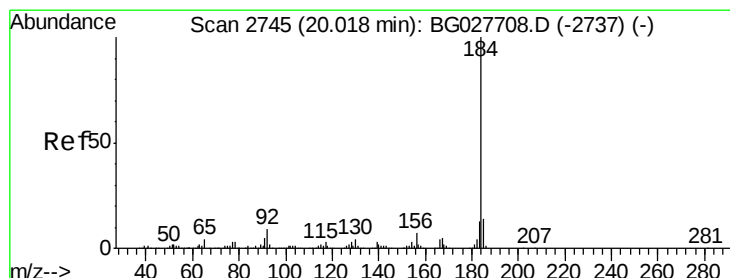
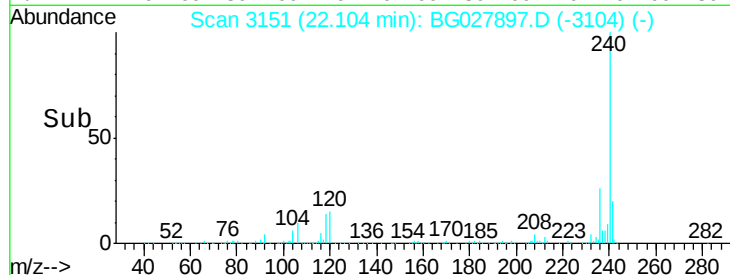
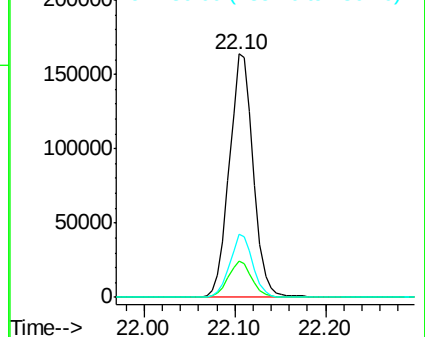
236 25.7 22.2 33.4



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



#76

Benzidine

Concen: 4.17 ng

RT: 19.99 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

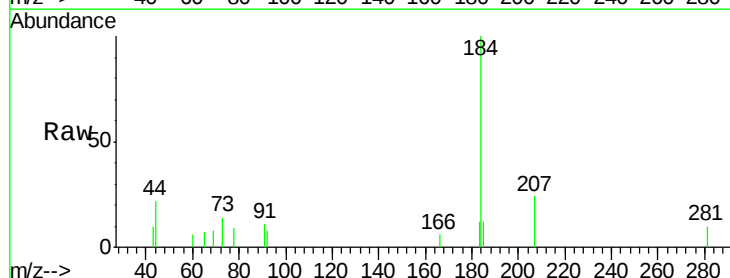
Tgt Ion:184 Resp: 7283

Ion Ratio Lower Upper

184 100

185 11.8 13.0 19.6#

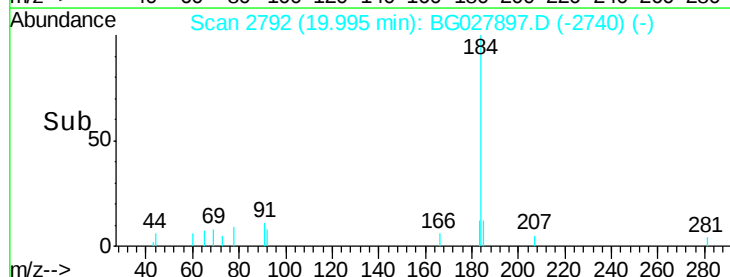
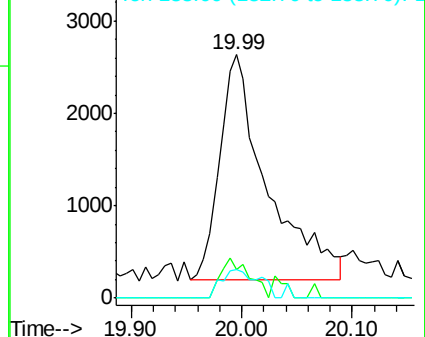
183 11.5 11.0 16.6

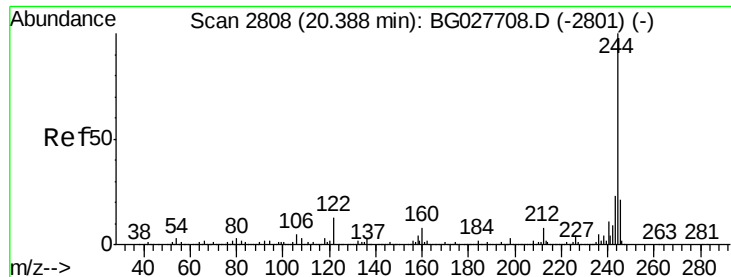


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.91 ng

RT: 20.34 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

Instrument :

BNA_G

ClientSampled :

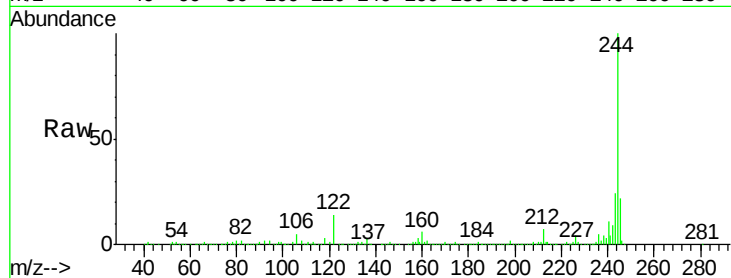
Tot Ion:244 Resp: 1166894

Ion Ratio Lower Upper

244 100

212 6.6 10.0 15.0#

122 13.7 8.6 12.8#

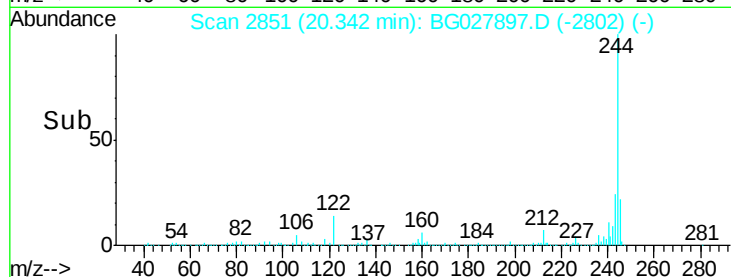


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

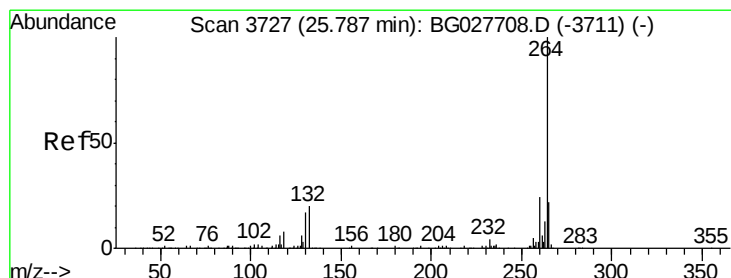
Ion 122.00 (121.70 to 122.70): E

Time-->



20.34

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.66 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG027897.D

Acq: 10 Jul 2017 21:27

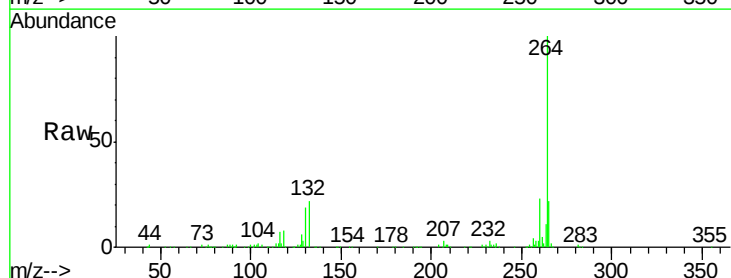
Tgt Ion:264 Resp: 295316

Ion Ratio Lower Upper

264 100

260 22.7 21.8 32.8

265 21.8 18.2 27.4

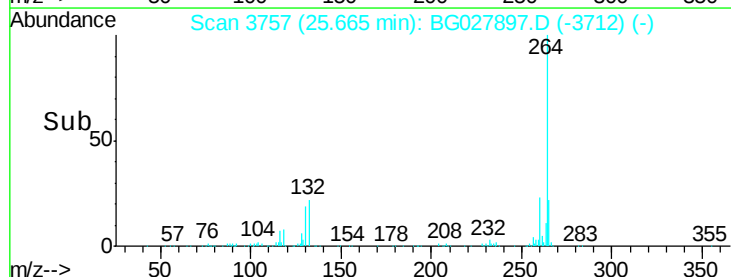


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



25.66

Time-->