

Data File : BG035289.D
Acq On : 21 Jun 2018 7:13
Operator : SJ/JU
Sample : J3573-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-49-COMP

Quant Time: Jun 21 08:19:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

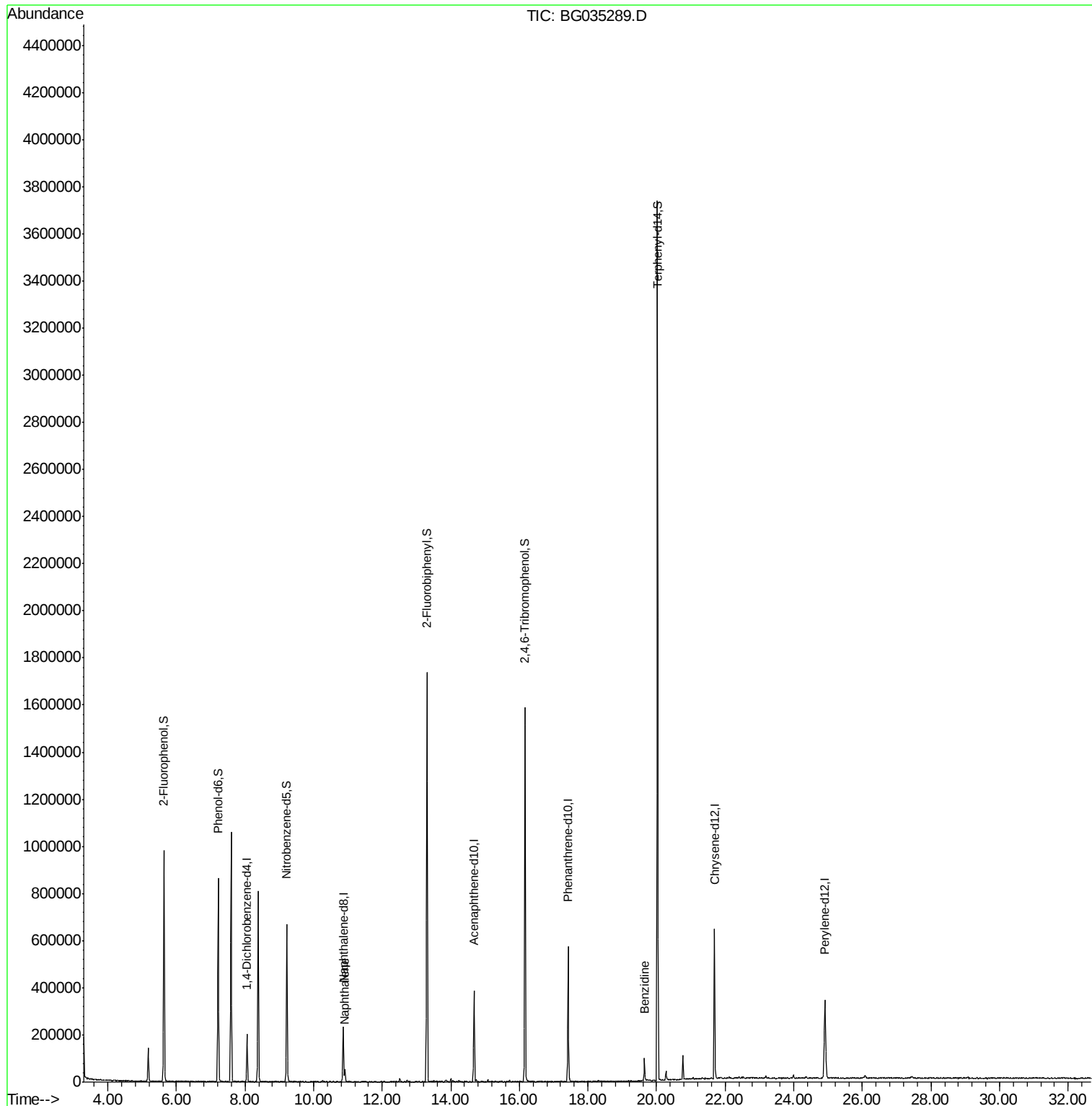
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56907	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	199352	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	135454	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	374177	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	403911	20.00	ng	-0.03
86) Perylene-d12	24.91	264	386326	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	426027	126.34	ng	-0.01
7) Phenol-d6	7.21	99	527497	105.99	ng	-0.01
23) Nitrobenzene-d5	9.22	82	445425	106.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	302438	174.42	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	978128	93.87	ng	-0.02
78) Terphenyl-d14	20.03	244	1796294	93.16	ng	-0.02
Target Compounds						
31) Naphthalene	10.91	128	41314	3.989	ng	Qvalue # 94
76) Benzidine	19.64	184	66412	4.420	ng	97

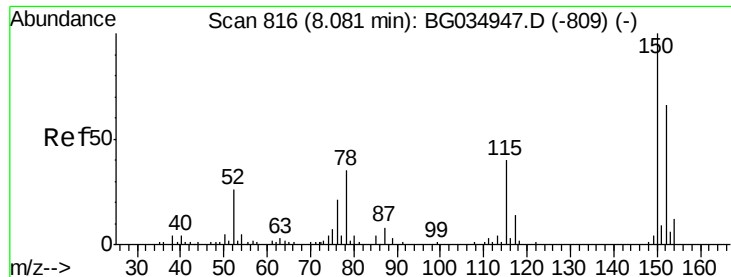
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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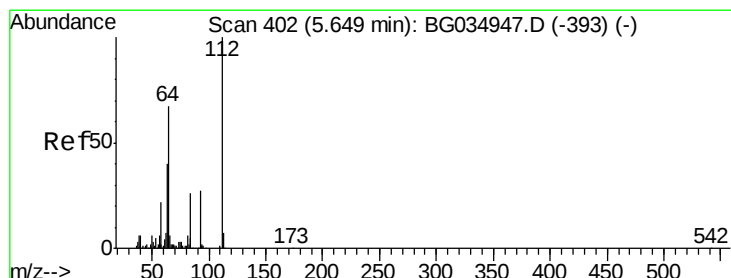
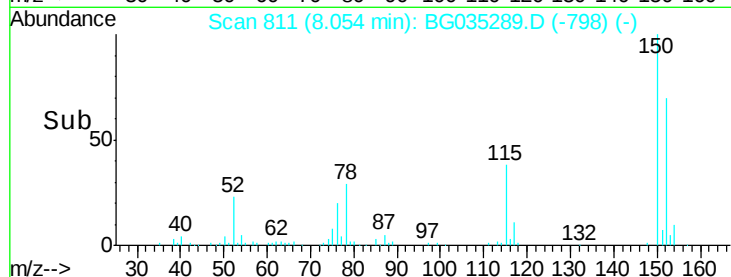
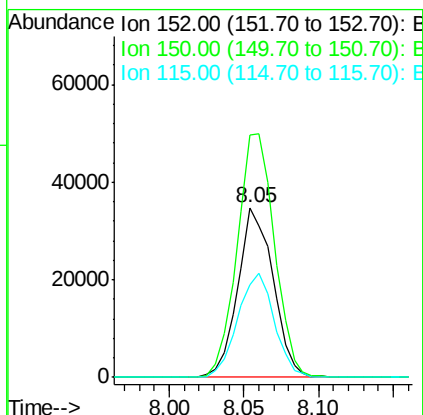
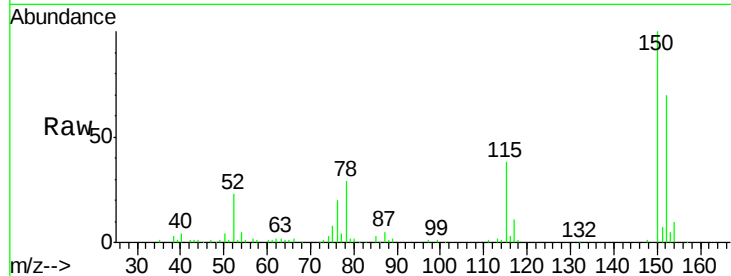


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Instrument :
BNA_G
ClientSampleId :
SB-49-COMP

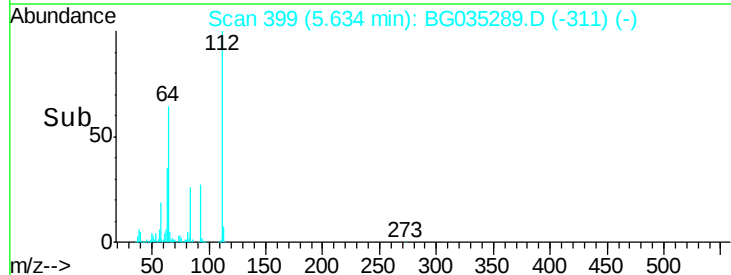
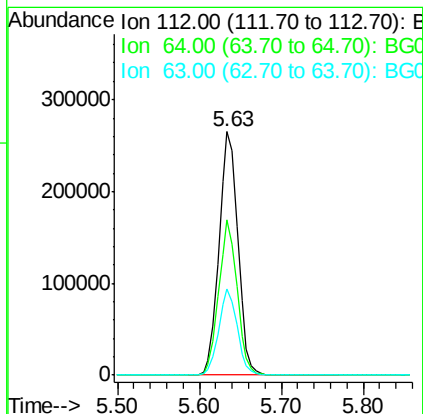
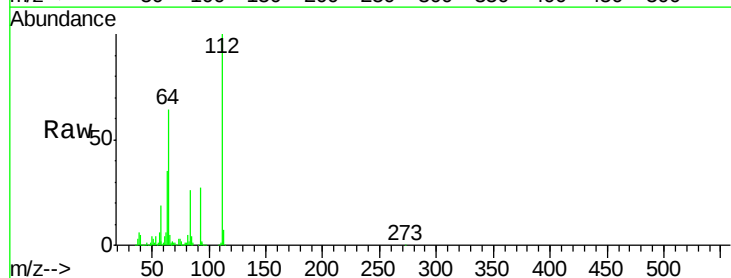
Tgt Ion:152 Resp: 56907
Ion Ratio Lower Upper
152 100
150 142.6 126.6 189.8
115 54.5 53.0 79.4

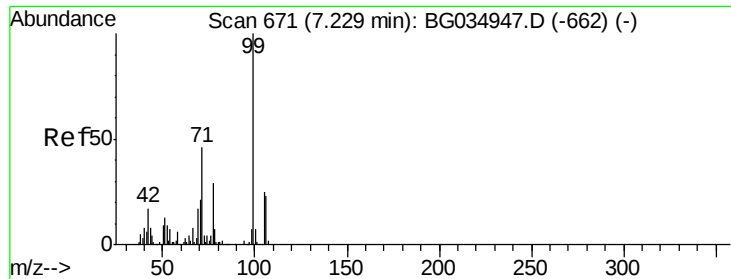


#5

2-Fluorophenol
Concen: 126.341 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035289.D
Acq: 21 Jun 2018 7:13

Tgt Ion:112 Resp: 426027
Ion Ratio Lower Upper
112 100
64 63.7 56.3 84.5
63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 105.988 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

SB-49-COMP

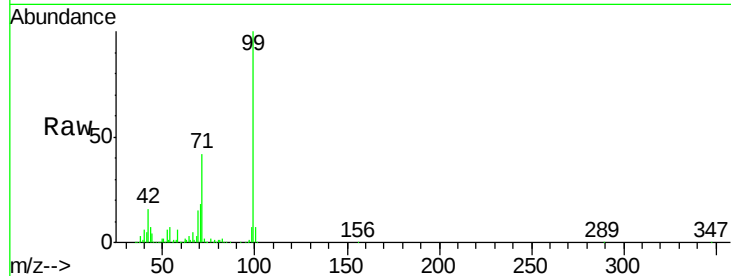
Tgt Ion: 99 Resp: 527497

Ion Ratio Lower Upper

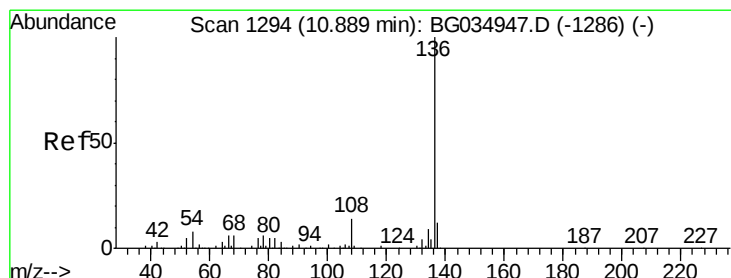
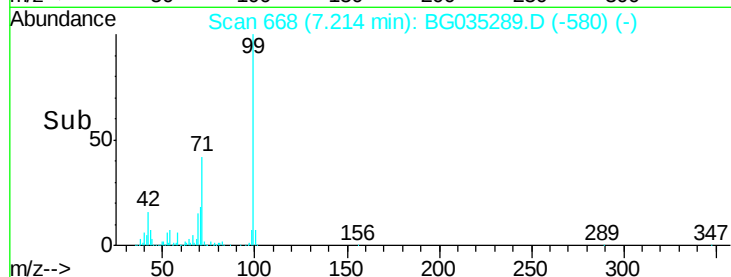
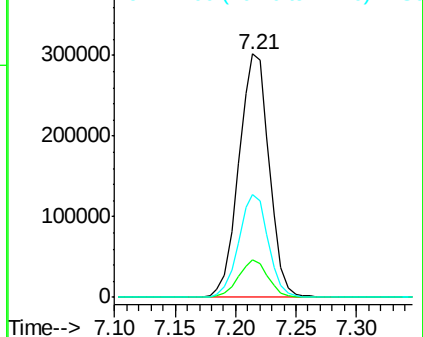
99 100

42 15.6 14.1 21.1

71 42.3 26.1 39.1#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Tgt Ion: 136 Resp: 199352

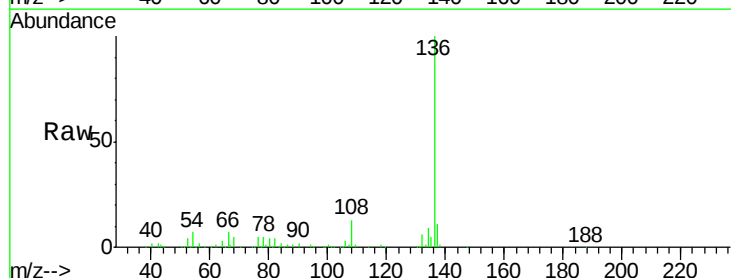
Ion Ratio Lower Upper

136 100

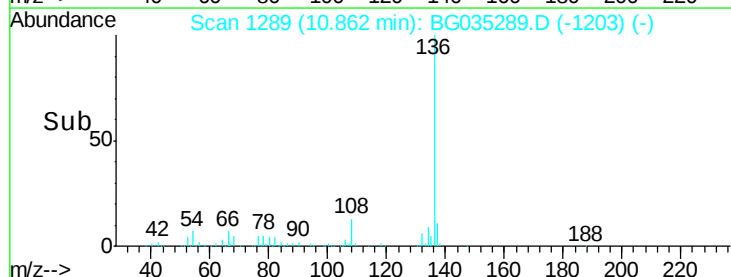
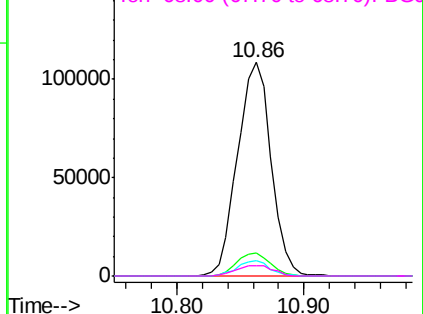
137 11.0 9.2 13.8

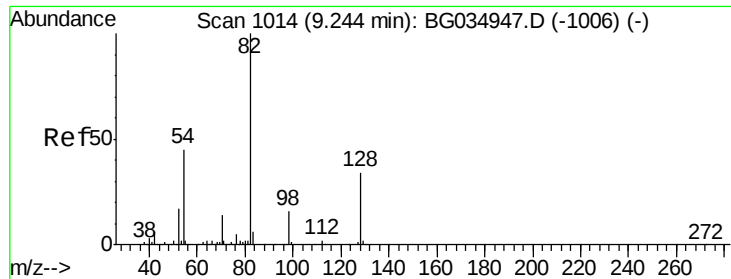
54 7.3 10.3 15.5#

68 5.0 4.5 6.7



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





#23

Nitrobenzene-d5

Concen: 106.209 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

SB-49-COMP

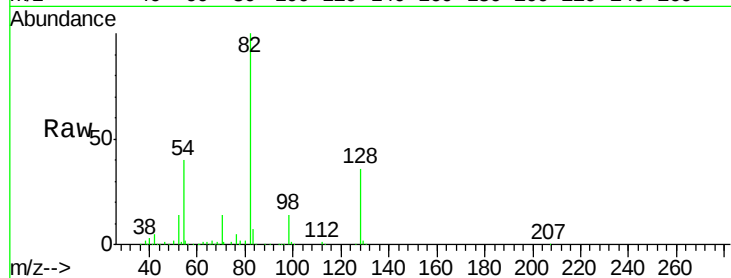
Tgt Ion: 82 Resp: 445425

Ion Ratio Lower Upper

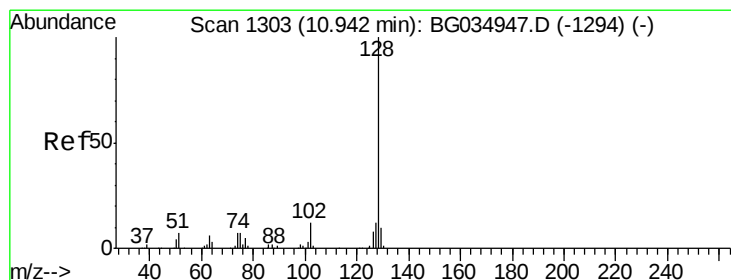
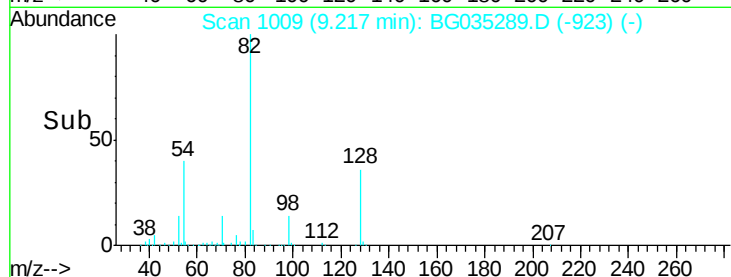
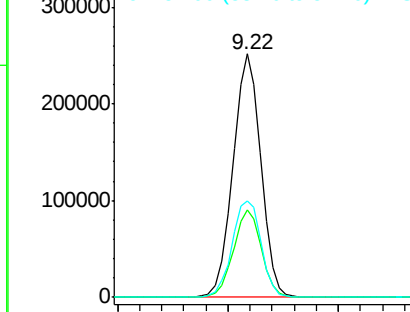
82 100

128 36.0 29.7 44.5

54 39.6 43.1 64.7#



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



#31

Naphthalene

Concen: 3.989 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

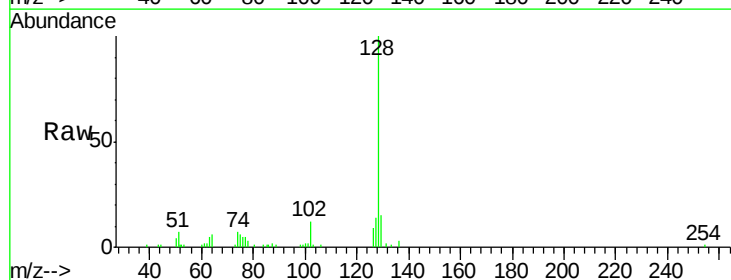
Tgt Ion: 128 Resp: 41314

Ion Ratio Lower Upper

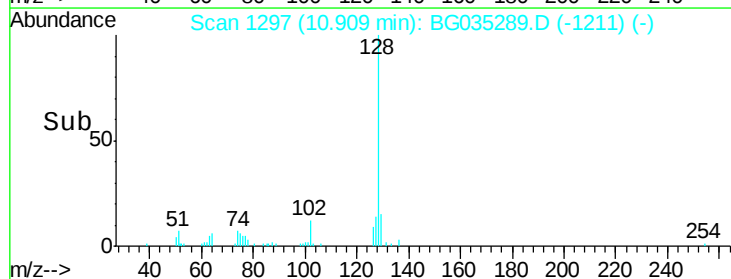
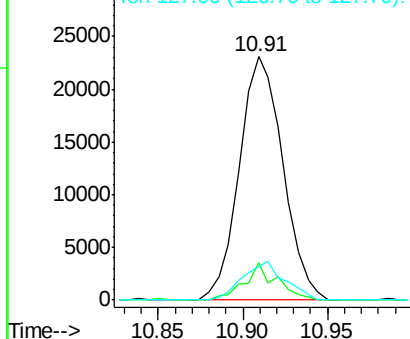
128 100

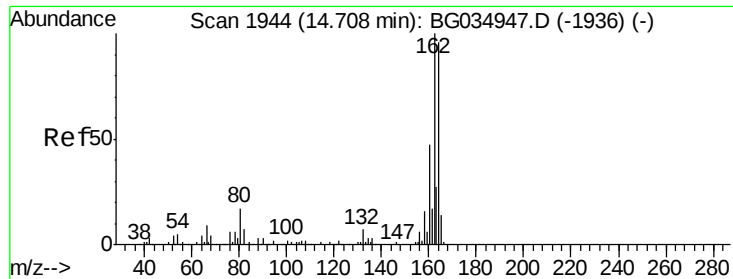
129 15.3 8.6 12.8#

127 14.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

SB-49-COMP

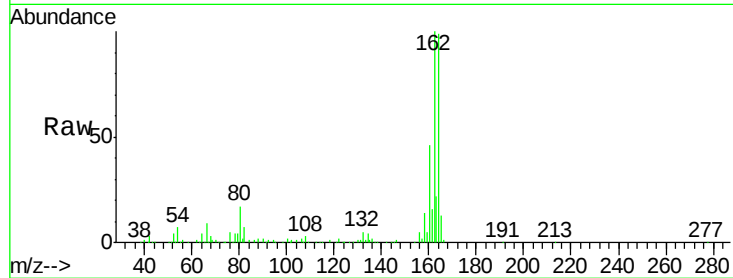
Tgt Ion:164 Resp: 135454

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

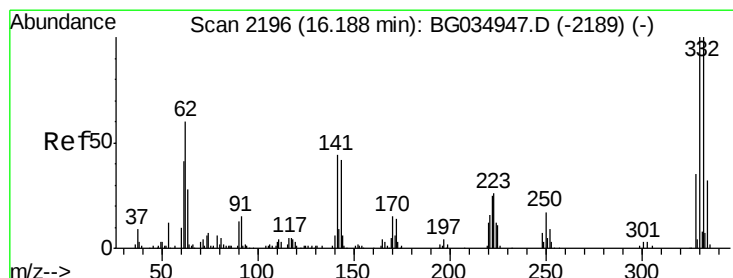
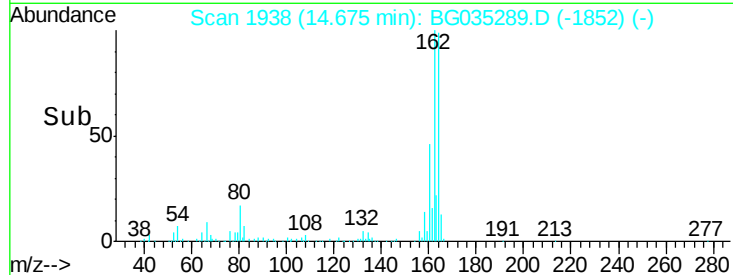
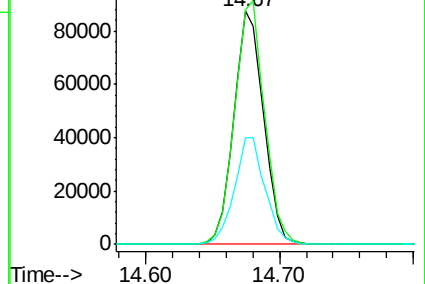
160 46.0 35.4 53.0



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: 174.418 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

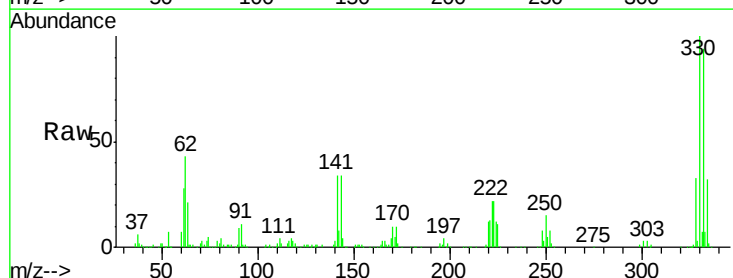
Tgt Ion:330 Resp: 302438

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

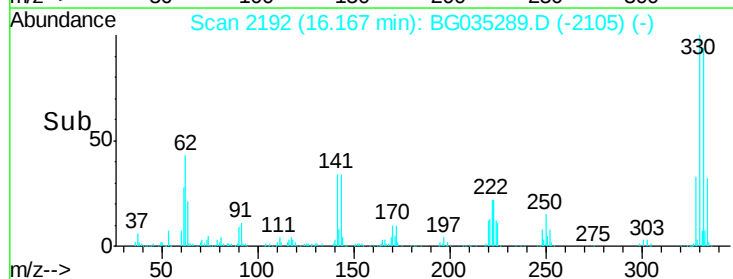
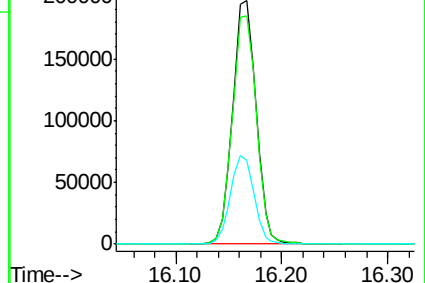
141 36.5 25.2 37.8

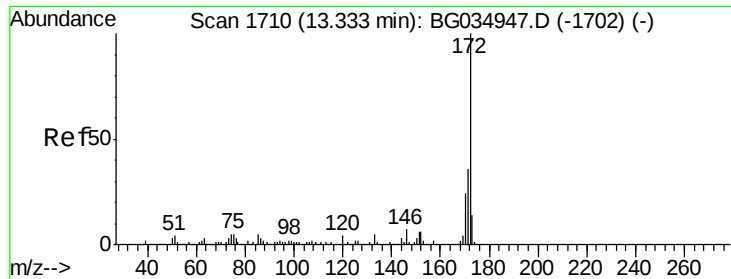


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

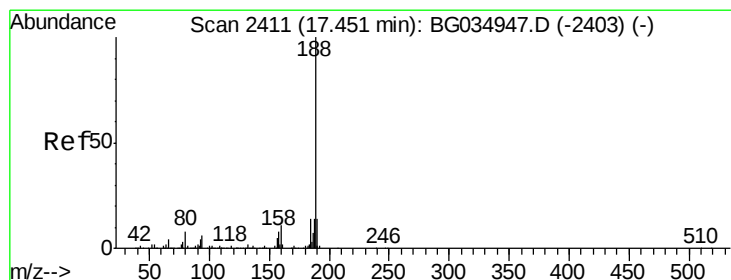
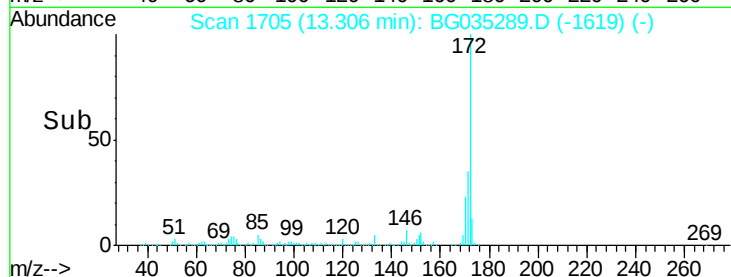
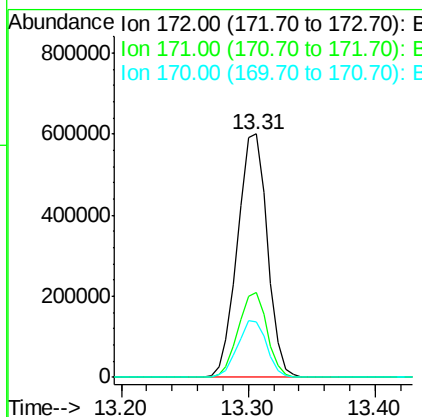
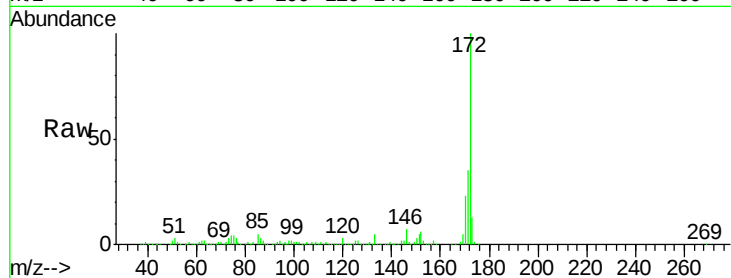




#44
 2-Fluorobiphenyl
 Concen: 93.874 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

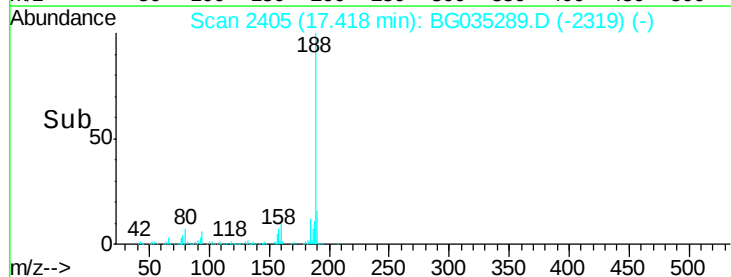
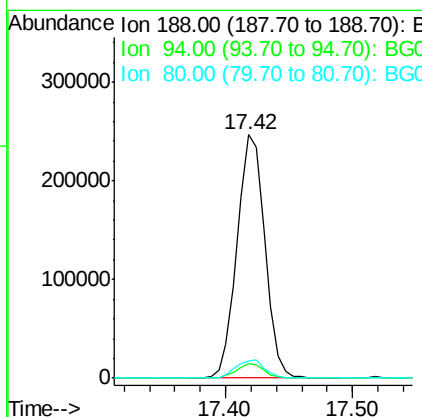
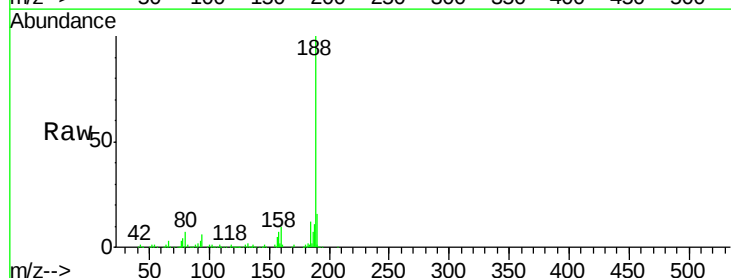
Instrument :
 BNA_G
 ClientSampleId :
 SB-49-COMP

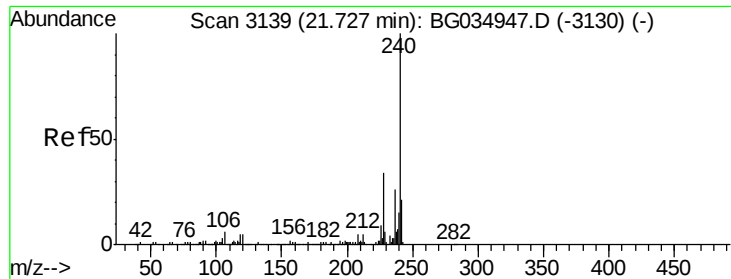
Tgt Ion:172 Resp: 978128
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 23.0 19.5 29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035289.D
 Acq: 21 Jun 2018 7:13

Tgt Ion:188 Resp: 374177
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 7.0 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

ClientSampleId :

SB-49-COMP

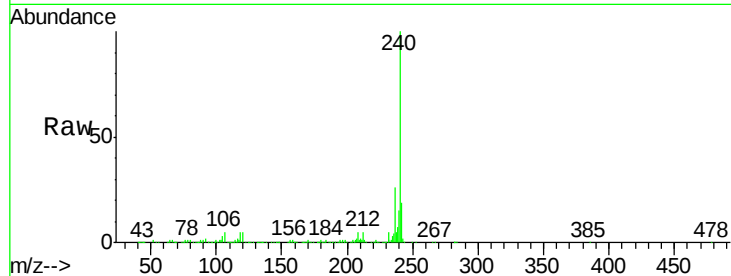
Tgt Ion:240 Resp: 403911

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

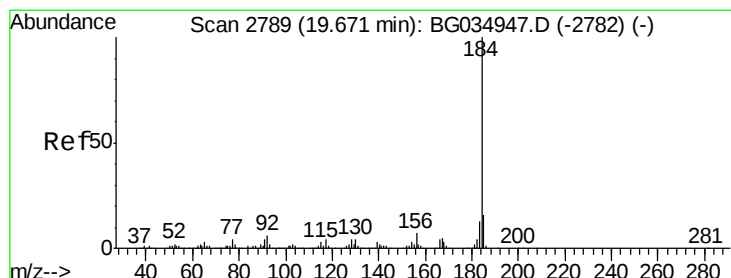
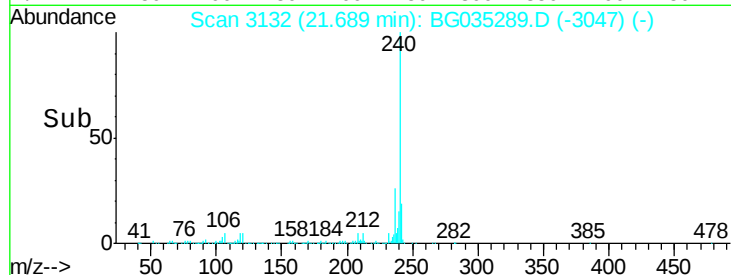
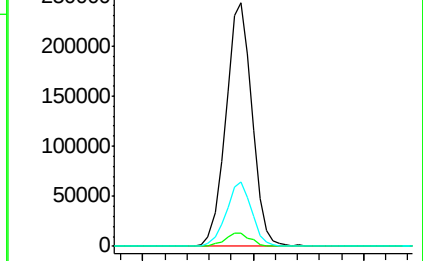
236 26.3 20.9 31.3



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



#76

Benzidine

Concen: 4.420 ng

RT: 19.64 min Scan# 2784

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

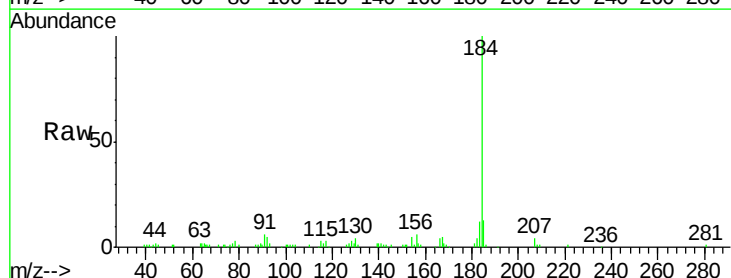
Tgt Ion:184 Resp: 66412

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

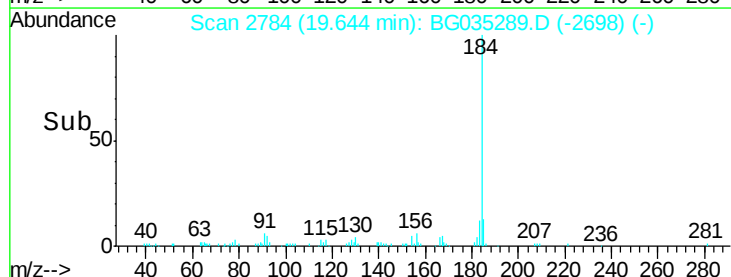
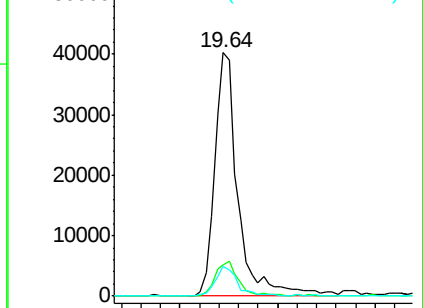
183 12.1 10.6 16.0

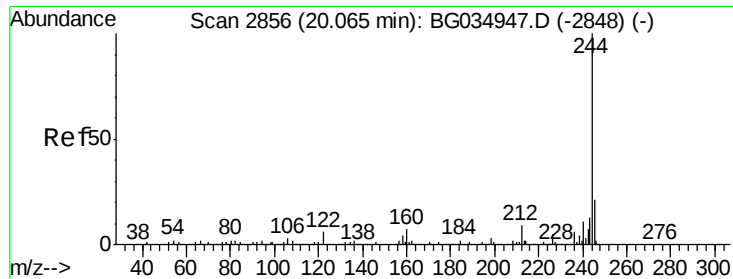


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.155 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

Instrument :

BNA_G

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SB-49-COMP

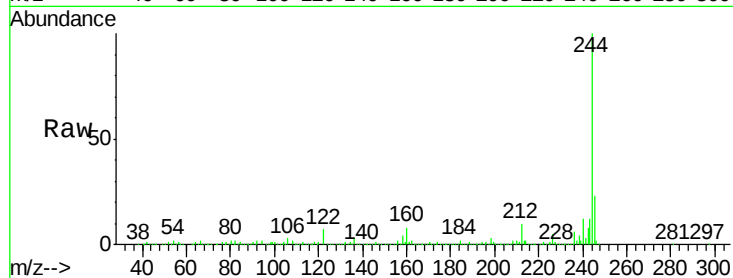
Tgt Ion:244 Resp: 1796294

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

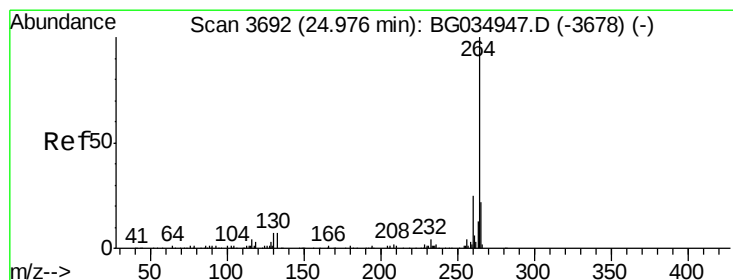
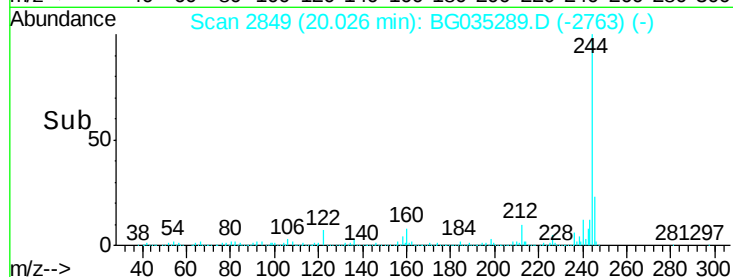
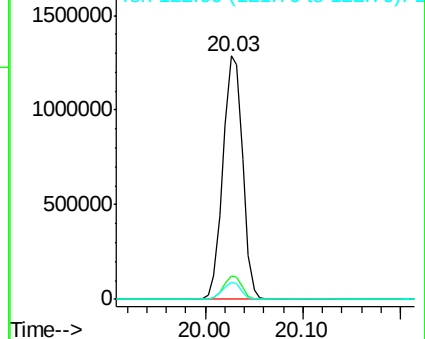
122 7.1 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035289.D

Acq: 21 Jun 2018 7:13

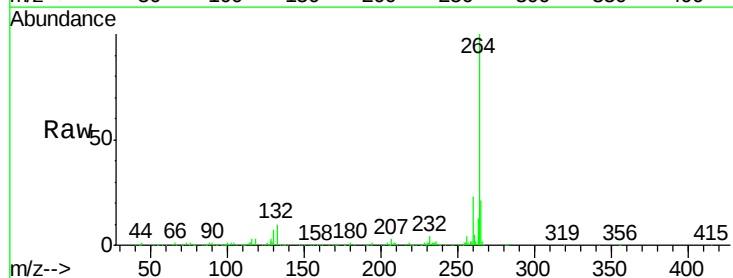
Tgt Ion:264 Resp: 386326

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.5 17.7 26.5



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

