

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070517\
 Data File : BG027864.D
 Acq On : 6 Jul 2017 1:44
 Operator : SJ/JU
 Sample : I4053-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 06 03:52:19 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

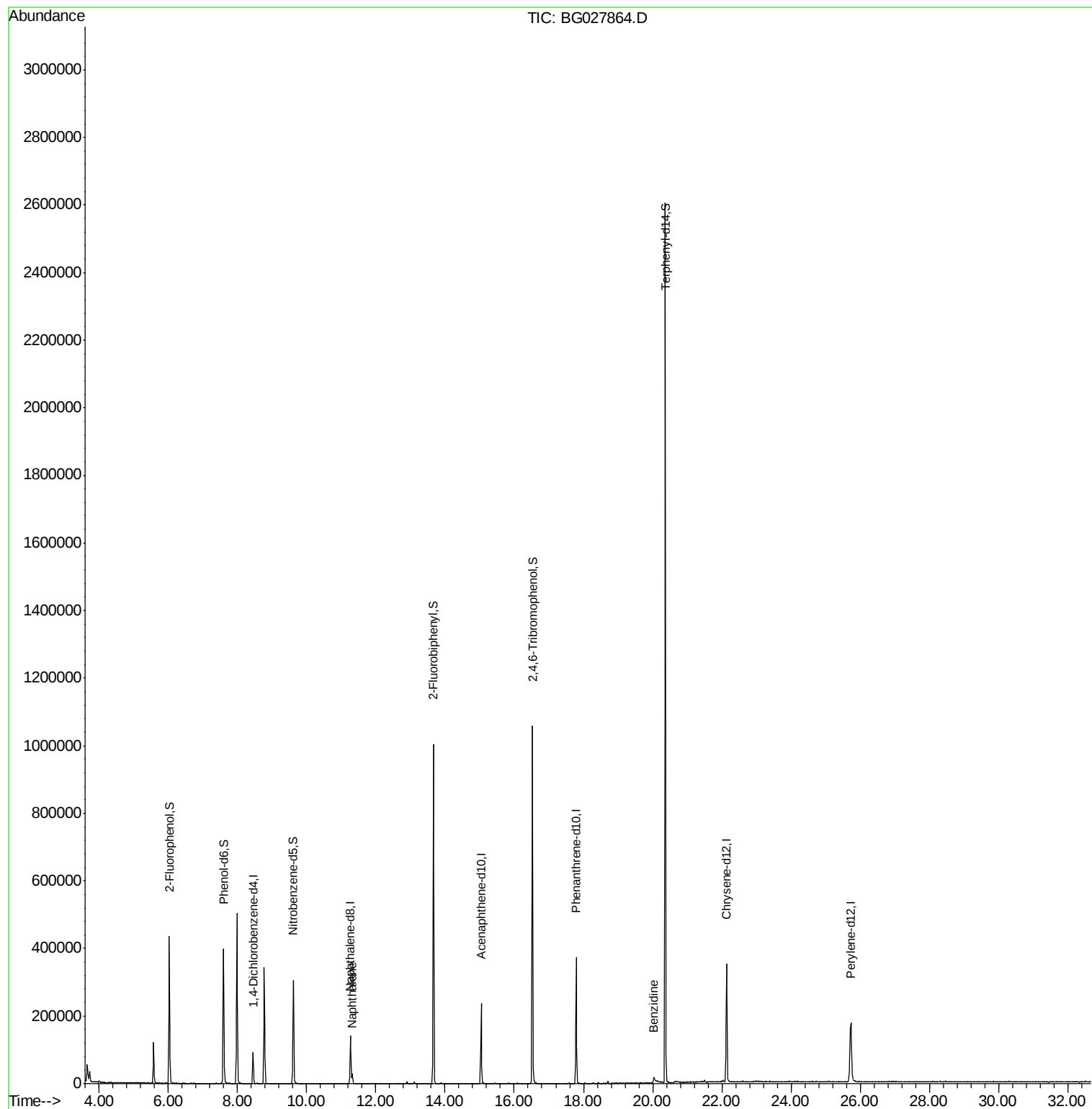
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	27744	20.00	ng	-0.03
21) Naphthalene-d8	11.27	136	130060	20.00	ng	-0.02
38) Acenaphthene-d10	15.04	164	85292	20.00	ng	-0.02
63) Phenanthrene-d10	17.79	188	230400	20.00	ng	-0.03
75) Chrysene-d12	22.14	240	245809	20.00	ng	-0.03
86) Perylene-d12	25.72	264	234441	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.03	112	193692	107.51	ng	-0.03
7) Phenol-d6	7.59	99	256603	93.23	ng	-0.02
23) Nitrobenzene-d5	9.62	82	196390	84.17	ng	-0.02
41) 2,4,6-Tribromophenol	16.53	330	233498	199.59	ng	-0.02
44) 2-Fluorobiphenyl	13.66	172	543052	90.93	ng	-0.03
78) Terphenyl-d14	20.37	244	1182107	112.74	ng	-0.02
Target Compounds						
31) Naphthalene	11.32	128	27781	4.02	ng	96
76) Benzidine	20.04	184	32696	8.43	ng	96

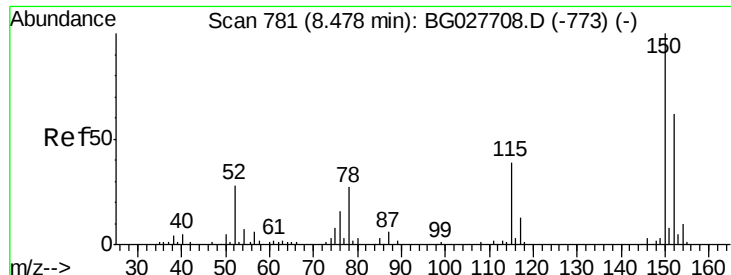
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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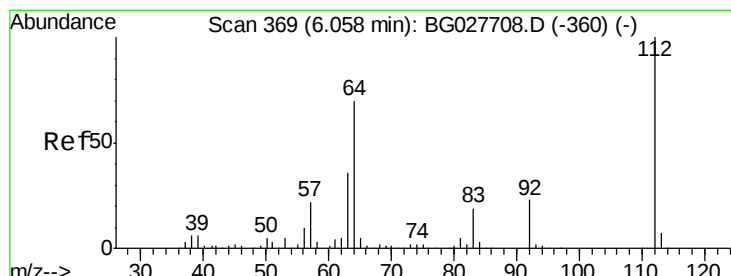
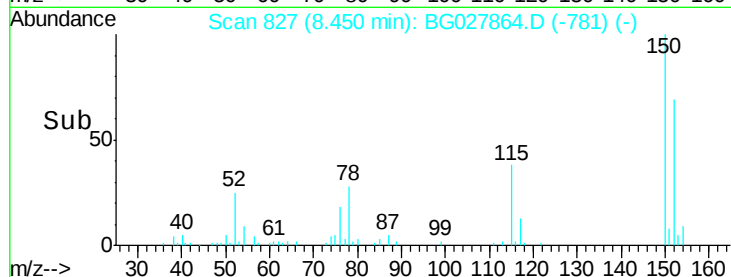
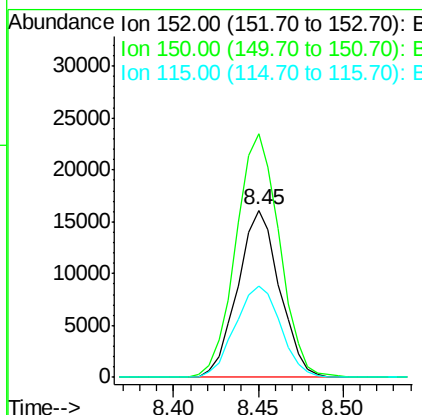
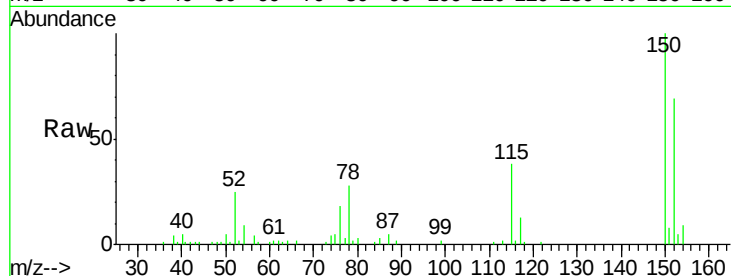


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.45 min Scan# 827
Delta R.T. -0.03 min
Lab File: BG027864.D
Acq: 6 Jul 2017 1:44

Instrument :
BNA_G
ClientSampleId :

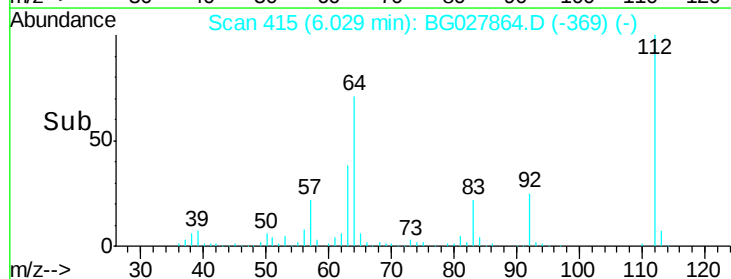
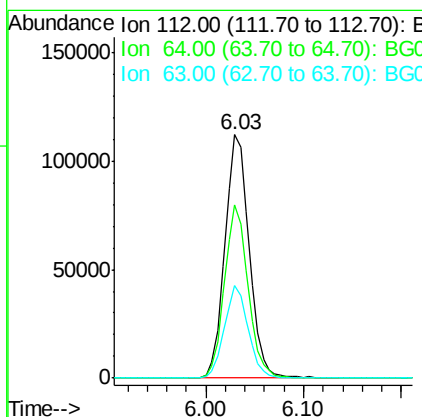
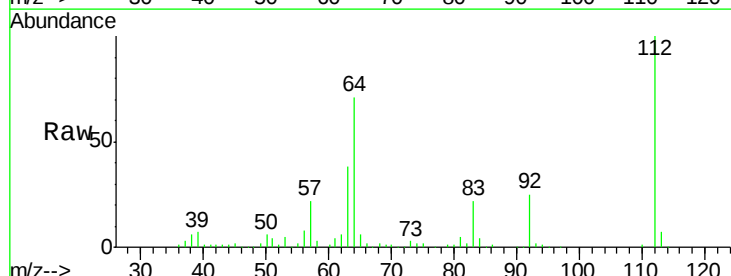
Tot Ion:152 Resp: 27744
Ion Ratio Lower Upper
152 100
150 145.8 114.0 171.0
115 55.1 48.1 72.1

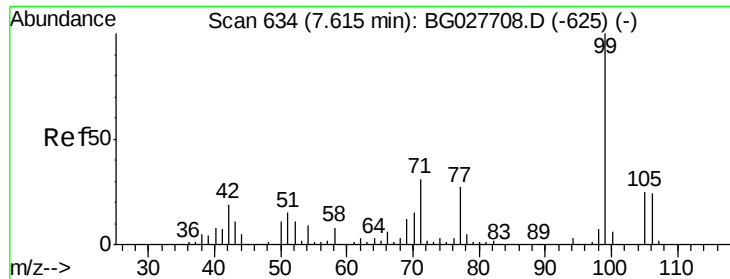


#5

2-Fluorophenol
Concen: 107.51 ng
RT: 6.03 min Scan# 415
Delta R.T. -0.03 min
Lab File: BG027864.D
Acq: 6 Jul 2017 1:44

Tgt Ion:112 Resp: 193692
Ion Ratio Lower Upper
112 100
64 71.3 61.8 92.6
63 38.1 37.2 55.8





#7

Phenol-d6

Concen: 93.23 ng

RT: 7.59 min Scan# 681

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Instrument :

BNA_G

ClientSampleId :

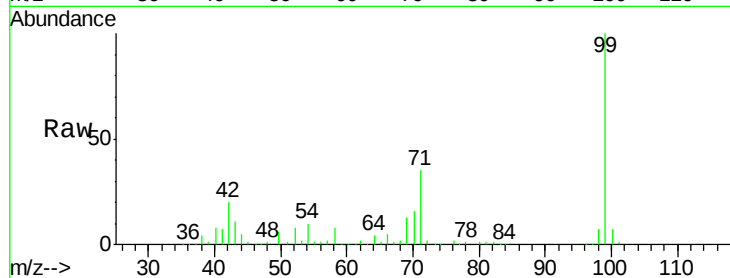
Tot Ion: 99 Resp: 256603

Ion Ratio Lower Upper

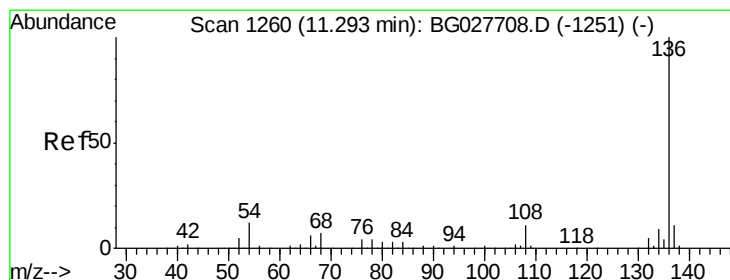
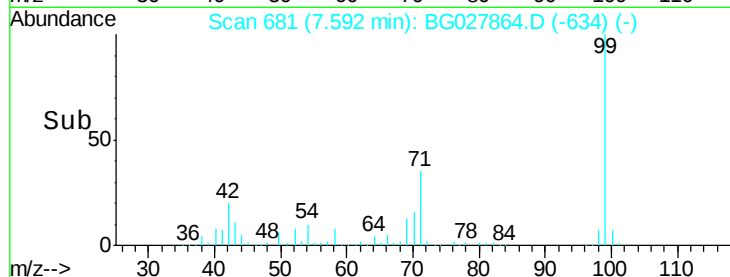
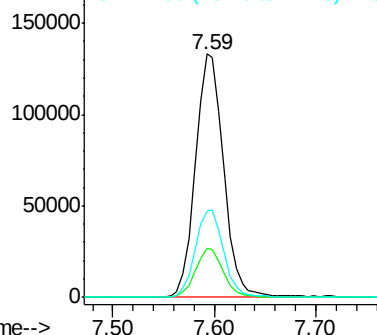
99 100

42 20.1 20.5 30.7#

71 35.3 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.27 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Tgt Ion: 136 Resp: 130060

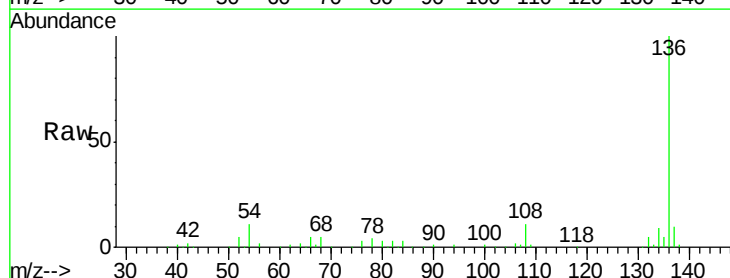
Ion Ratio Lower Upper

136 100

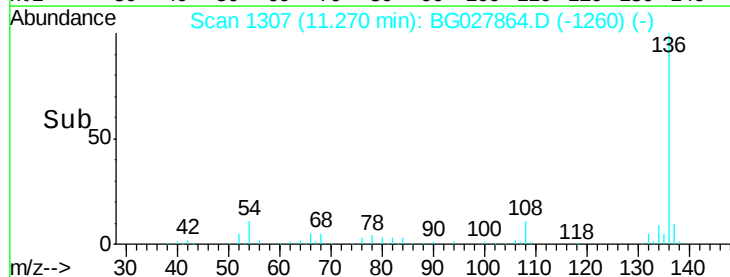
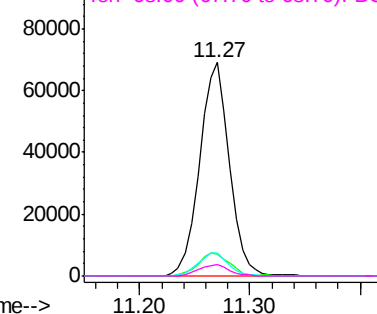
137 10.1 8.9 13.3

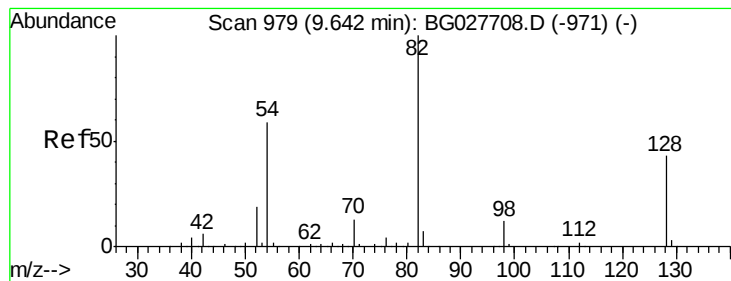
54 10.9 9.3 13.9

68 5.1 5.1 7.7



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: 84.17 ng

RT: 9.62 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Instrument :

BNA_G

ClientSampleId :

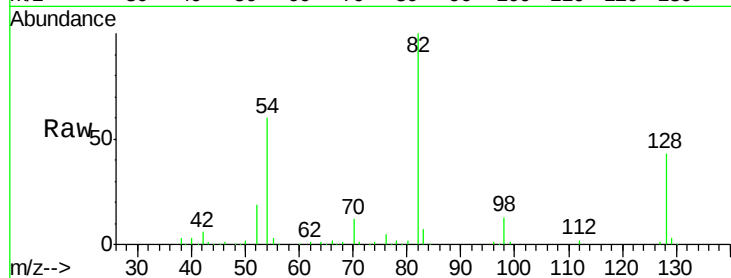
Tot Ion: 82 Resp: 196390

Ion Ratio Lower Upper

82 100

128 43.2 26.4 39.6#

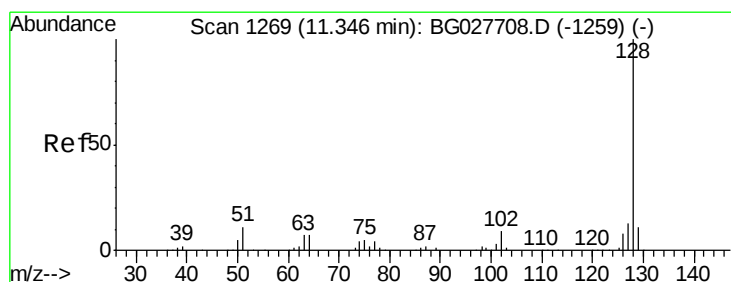
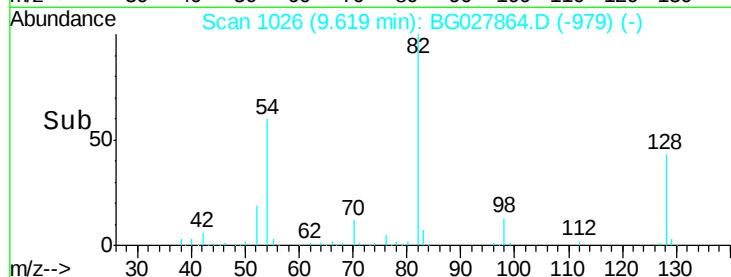
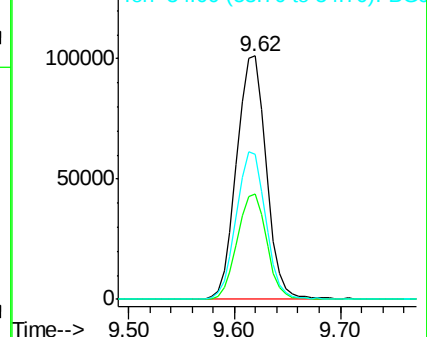
54 59.6 49.4 74.2



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: 4.02 ng

RT: 11.32 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

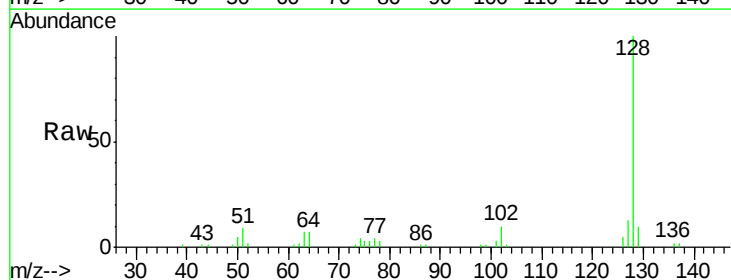
Tgt Ion: 128 Resp: 27781

Ion Ratio Lower Upper

128 100

129 10.1 9.3 13.9

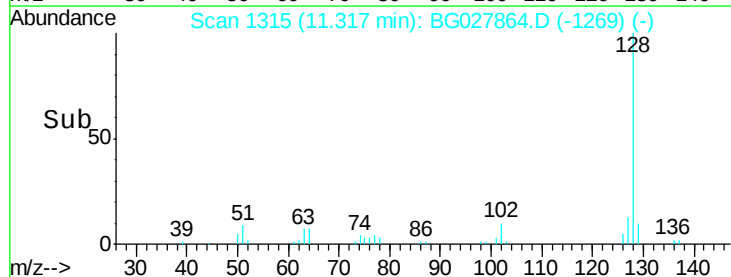
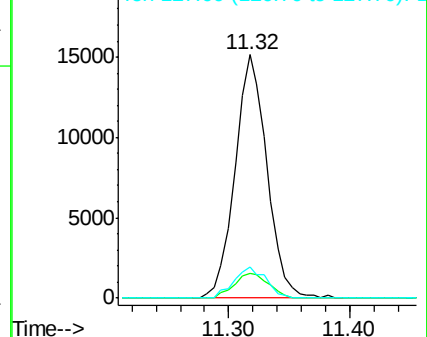
127 12.8 11.4 17.0

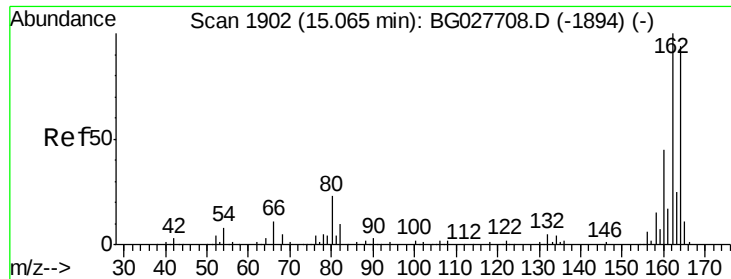


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.04 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Instrument :

BNA_G

ClientSampleId :

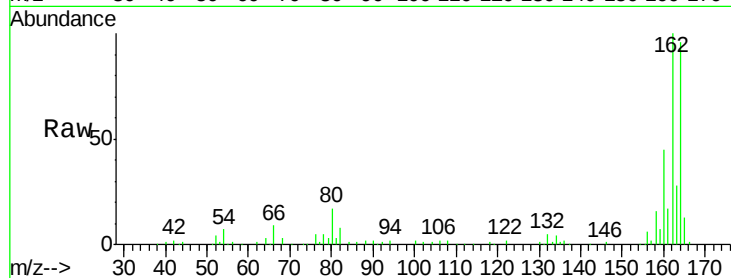
Tot Ion:164 Resp: 85292

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

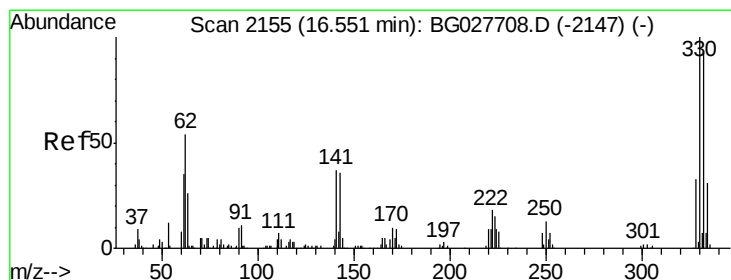
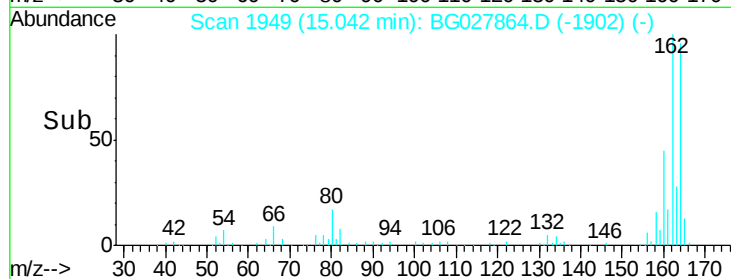
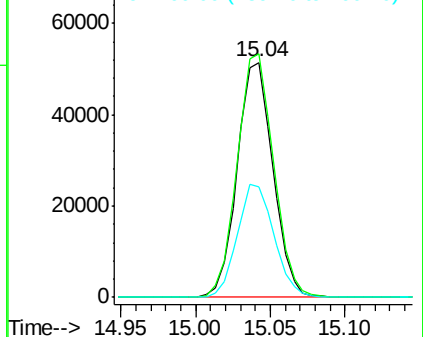
160 47.0 34.7 52.1



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: 199.59 ng

RT: 16.53 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

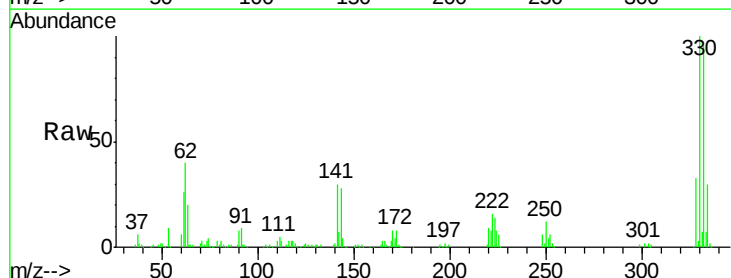
Tgt Ion:330 Resp: 233498

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

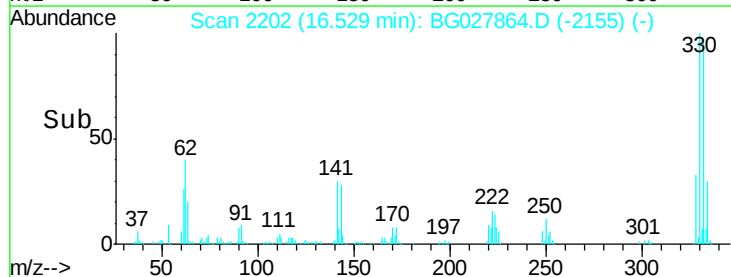
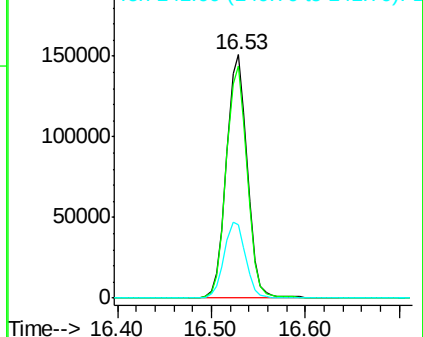
141 32.7 32.1 48.1

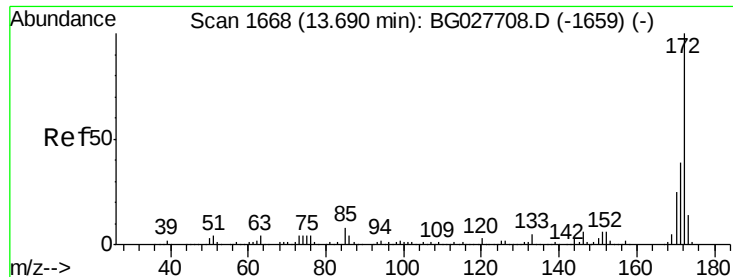


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

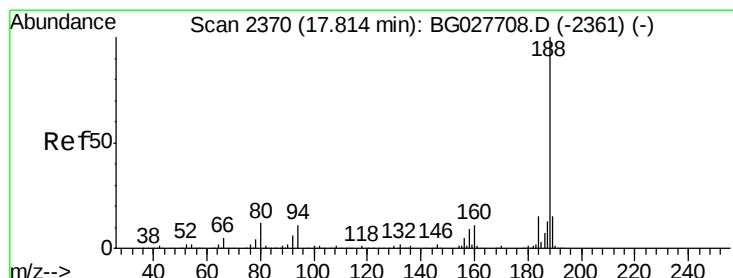
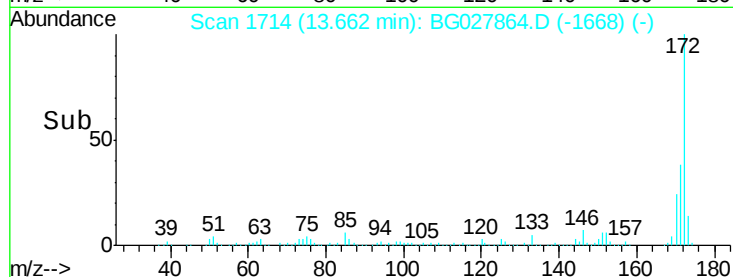
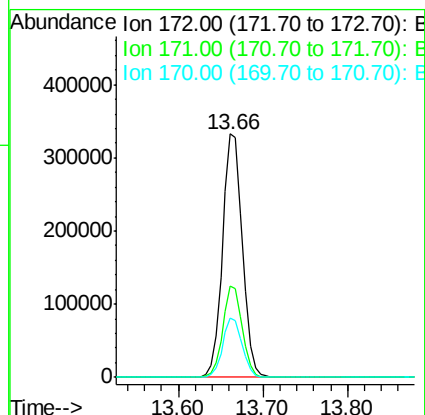
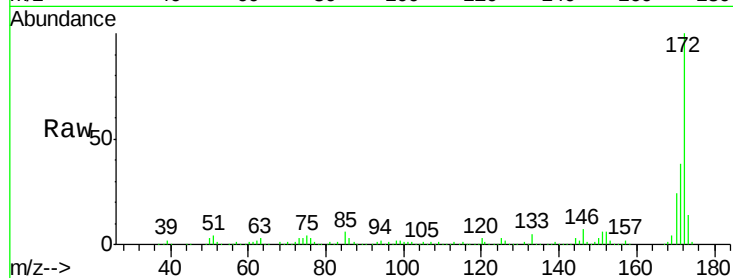




#44
2-Fluorobiphenyl
Concen: 90.93 ng
RT: 13.66 min Scan# 1714
Delta R.T. -0.03 min
Lab File: BG027864.D
Acq: 6 Jul 2017 1:44

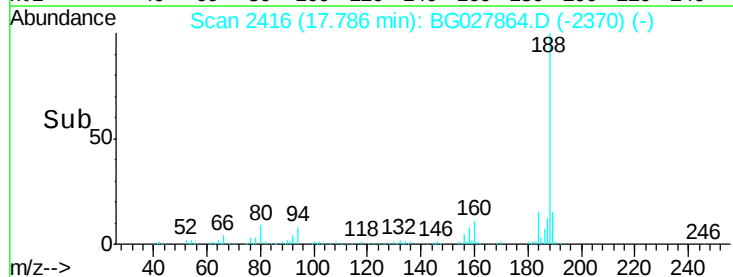
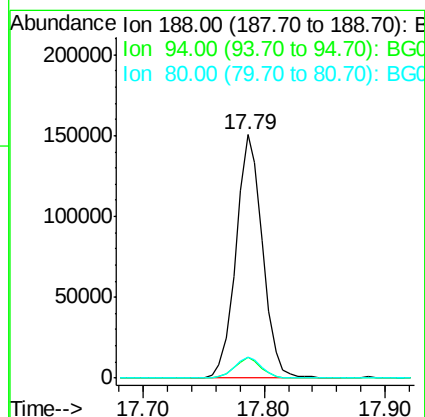
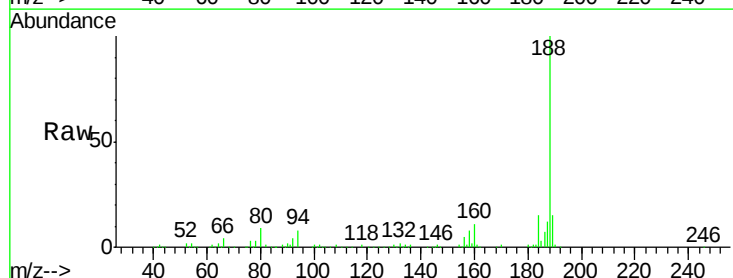
Instrument :
BNA_G
ClientSampleId :

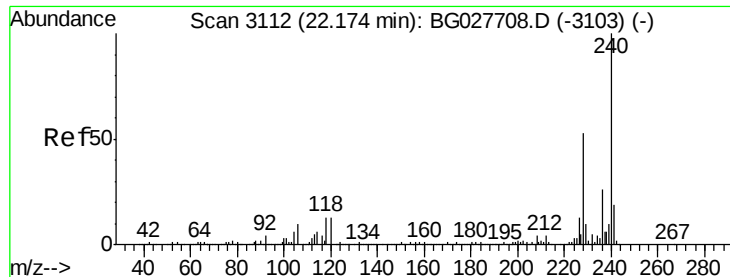
Tot Ion:172 Resp: 543052
Ion Ratio Lower Upper
172 100
171 37.7 32.2 48.2
170 24.2 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.79 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BG027864.D
Acq: 6 Jul 2017 1:44

Tgt Ion:188 Resp: 230400
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.8
80 8.5 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.14 min Scan# 3157

Delta R.T. -0.03 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Instrument :

BNA_G

ClientSampleId :

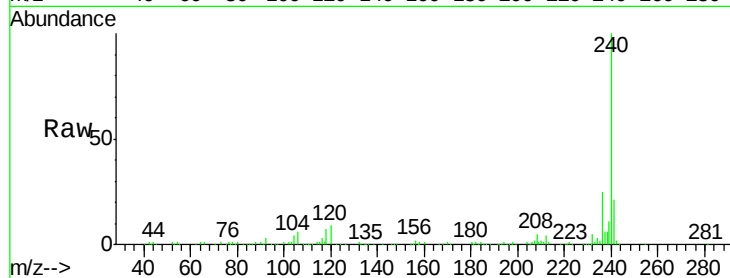
Tot Ion:240 Resp: 245809

Ion Ratio Lower Upper

240 100

120 9.2 5.7 8.5#

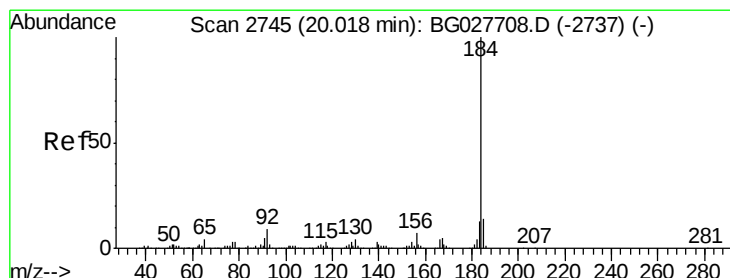
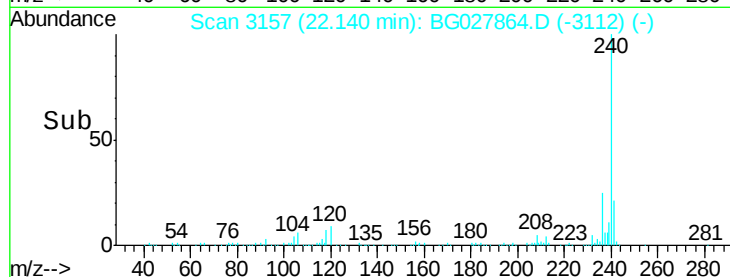
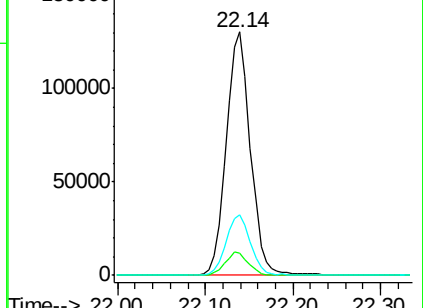
236 25.0 22.2 33.4



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: 8.43 ng

RT: 20.04 min Scan# 2799

Delta R.T. 0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

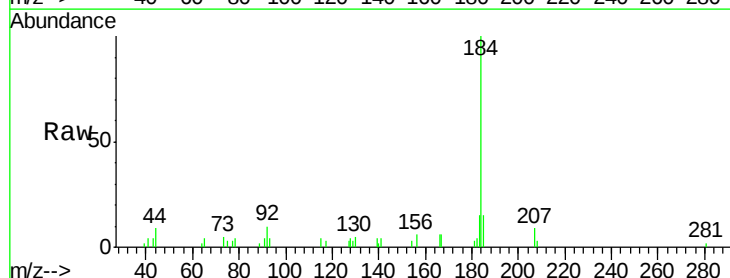
Tgt Ion:184 Resp: 32696

Ion Ratio Lower Upper

184 100

185 14.5 13.0 19.6

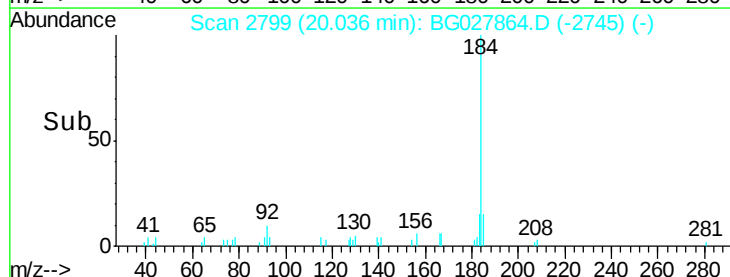
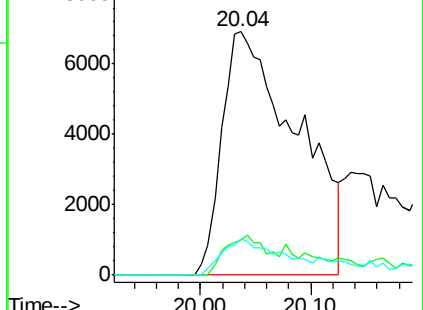
183 14.9 11.0 16.6

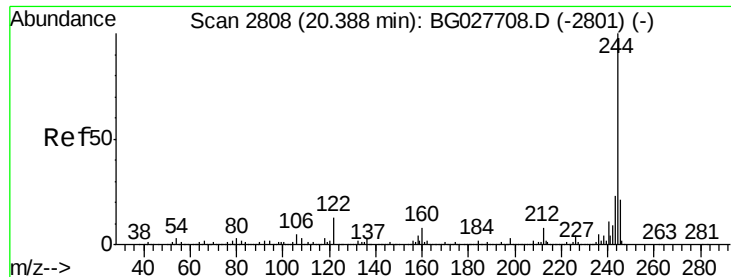


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 112.74 ng

RT: 20.37 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

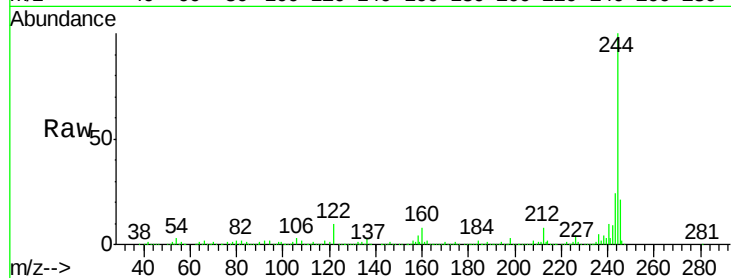
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1182107

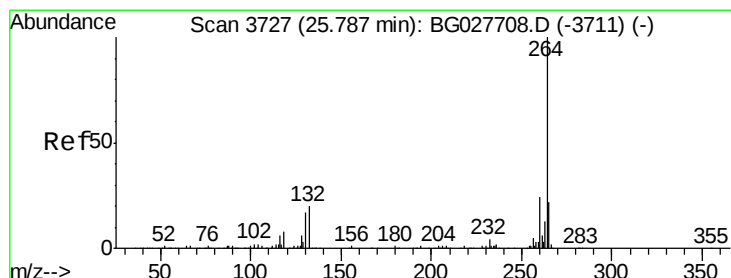
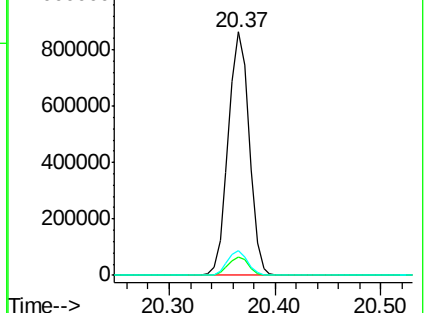
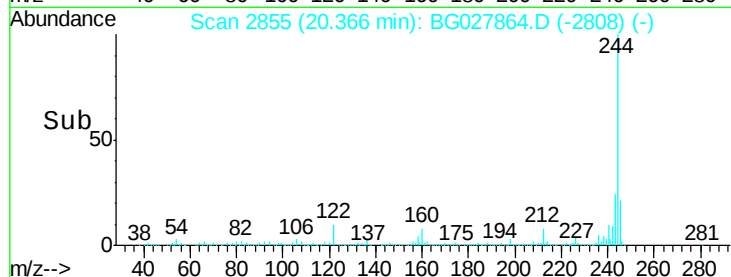
Ion	Ratio	Lower	Upper
244	100		
212	7.5	10.0	15.0#
122	10.0	8.6	12.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.72 min Scan# 3767

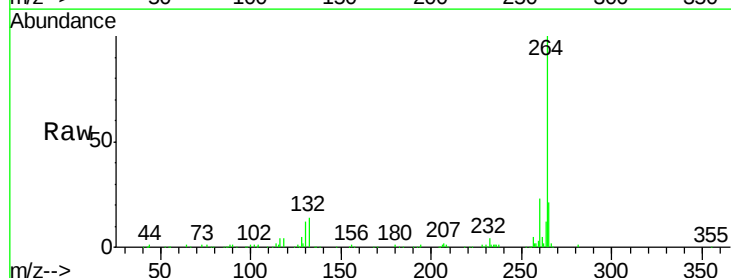
Delta R.T. -0.06 min

Lab File: BG027864.D

Acq: 6 Jul 2017 1:44

Tgt Ion:264 Resp: 234441

Ion	Ratio	Lower	Upper
264	100		
260	22.6	21.8	32.8
265	21.2	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

