

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070717\
 Data File : BG027871.D
 Acq On : 7 Jul 2017 16:40
 Operator : SJ/JU
 Sample : I4061-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 07 17:31:19 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

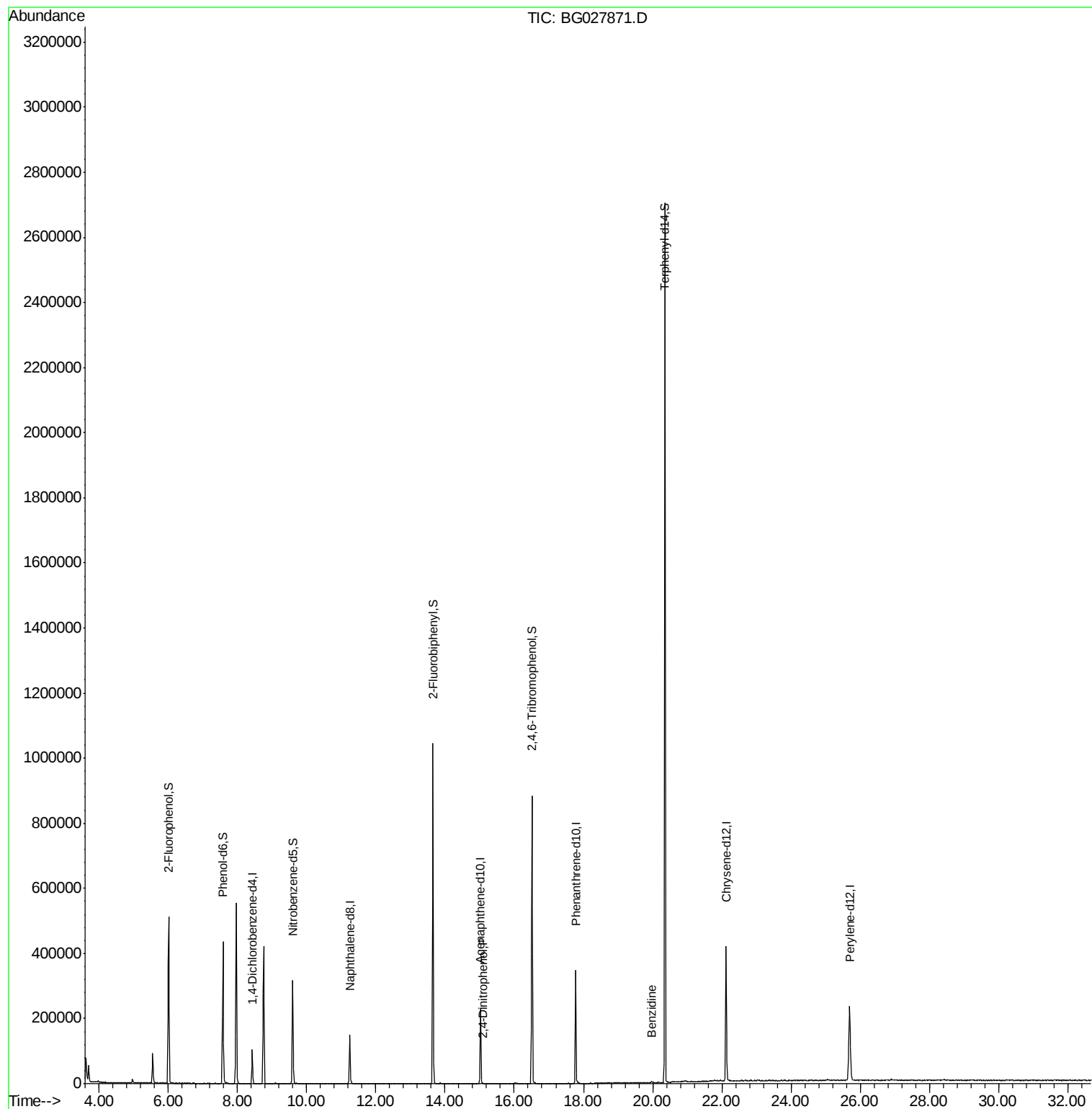
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	33700	20.00	ng	-0.05
21) Naphthalene-d8	11.25	136	148150	20.00	ng	-0.05
38) Acenaphthene-d10	15.02	164	80301	20.00	ng	-0.04
63) Phenanthrene-d10	17.77	188	217719	20.00	ng	-0.04
75) Chrysene-d12	22.12	240	266616	20.00	ng	-0.05
86) Perylene-d12	25.69	264	256267	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	295764	135.15	ng	-0.05
7) Phenol-d6	7.58	99	364177	108.93	ng	-0.03
23) Nitrobenzene-d5	9.60	82	224843	84.60	ng	-0.05
41) 2,4,6-Tribromophenol	16.52	330	211123	191.68	ng	-0.03
44) 2-Fluorobiphenyl	13.65	172	578300	102.85	ng	-0.04
78) Terphenyl-d14	20.35	244	1206830	106.12	ng	-0.03
Target Compounds						
53) 2,4-Dinitrophenol	15.11	184	60	8.64	ng	# 15
76) Benzidine	19.97	184	5254	3.99	ng	# 91

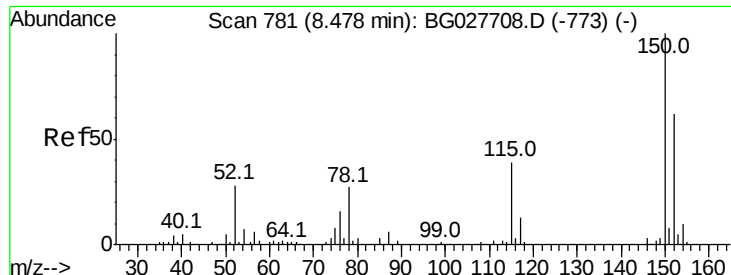
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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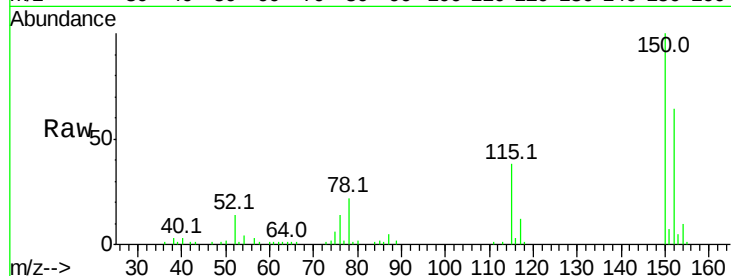


#1

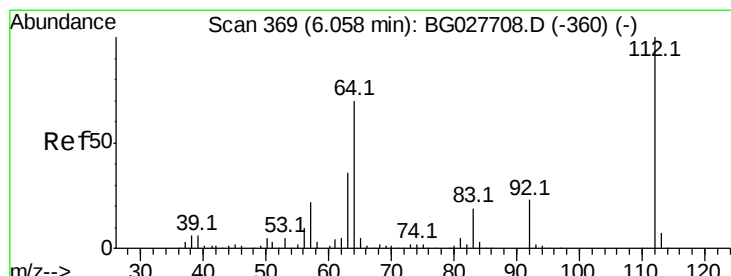
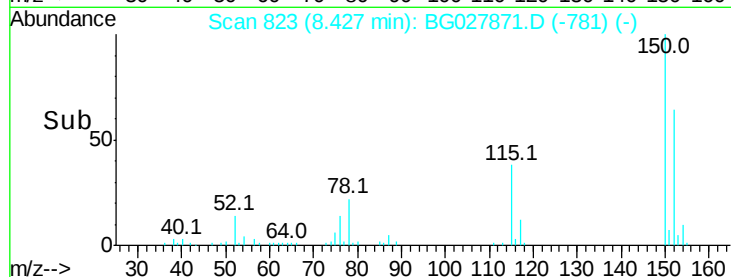
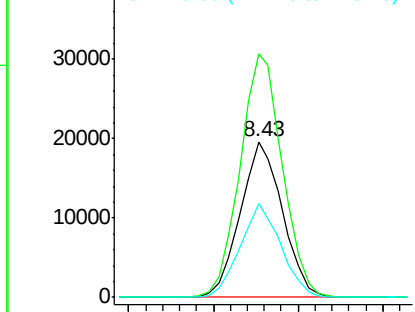
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.43 min Scan# 823
Delta R.T. -0.05 min
Lab File: BG027871.D
Acq: 7 Jul 2017 16:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33700
Ion Ratio Lower Upper
152 100
150 156.7 114.0 171.0
115 60.0 48.1 72.1



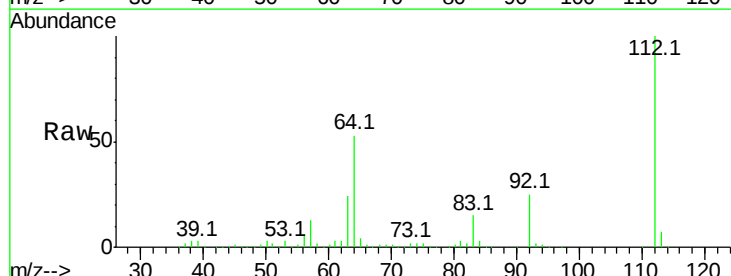
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



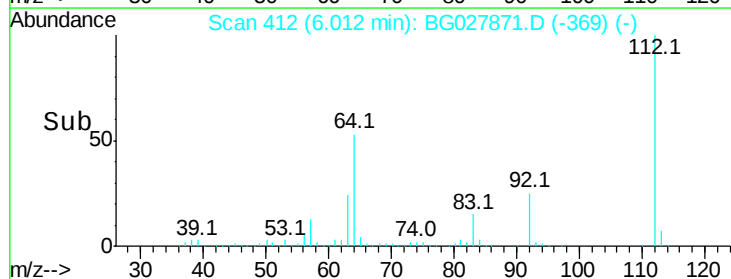
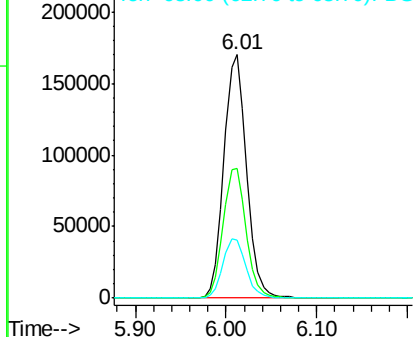
#5

2-Fluorophenol
Concen: 135.15 ng
RT: 6.01 min Scan# 412
Delta R.T. -0.05 min
Lab File: BG027871.D
Acq: 7 Jul 2017 16:40

Tgt Ion:112 Resp: 295764
Ion Ratio Lower Upper
112 100
64 53.3 61.8 92.6#
63 23.9 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.93 ng

RT: 7.58 min Scan# 679

Delta R.T. -0.03 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

Instrument :

BNA_G

ClientSampleId :

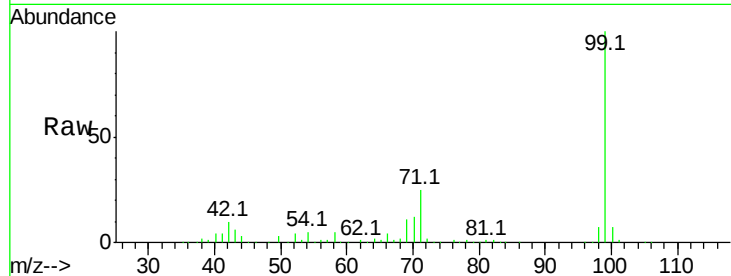
Tot Ion: 99 Resp: 364177

Ion Ratio Lower Upper

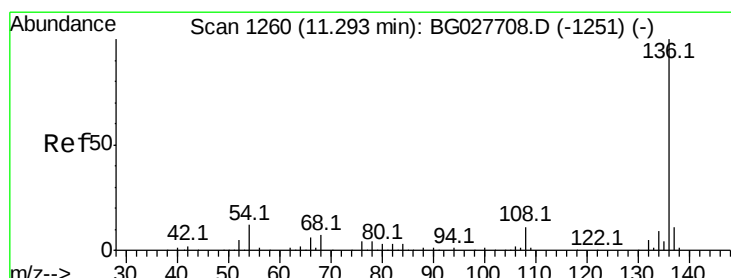
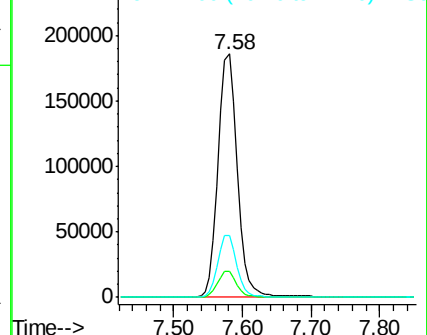
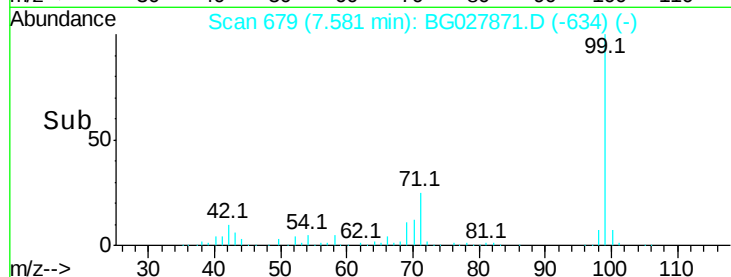
99 100

42 10.4 20.5 30.7#

71 25.2 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: 11.25 min Scan# 1303

Delta R.T. -0.05 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

Tgt Ion: 136 Resp: 148150

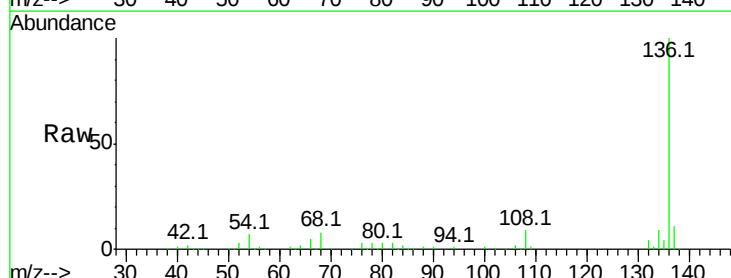
Ion Ratio Lower Upper

136 100

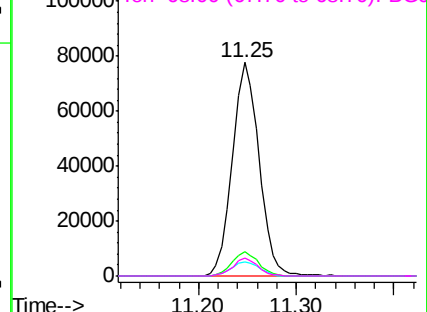
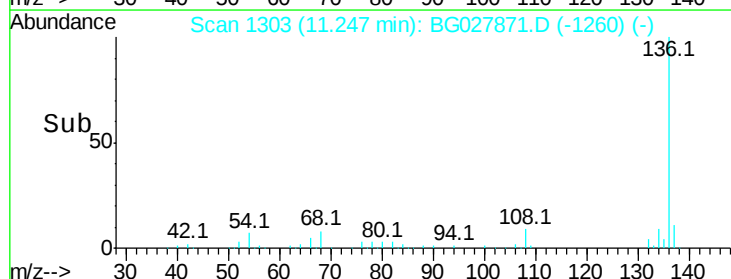
137 11.5 8.9 13.3

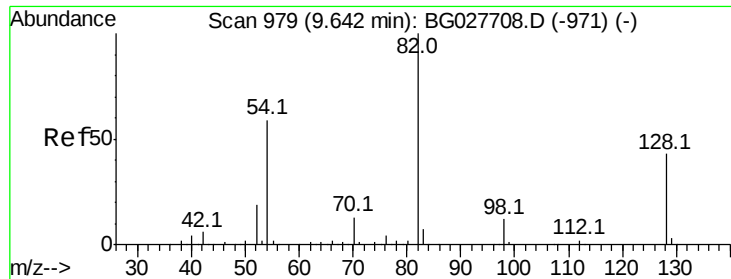
54 6.6 9.3 13.9#

68 8.1 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

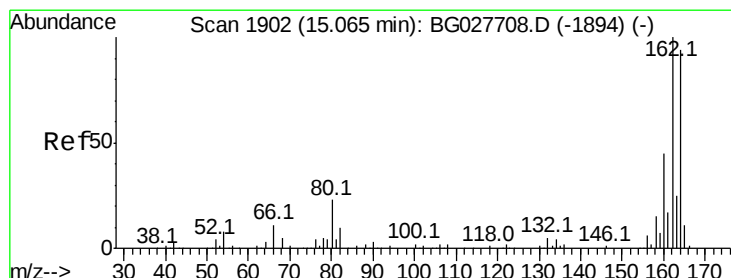
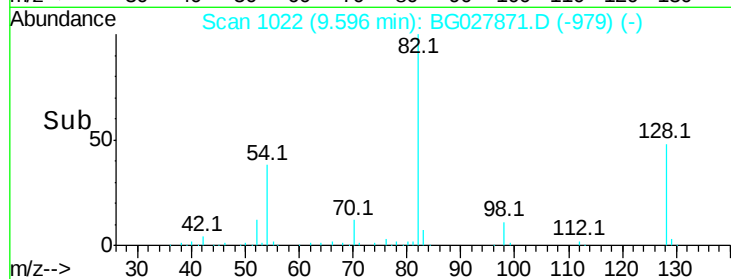
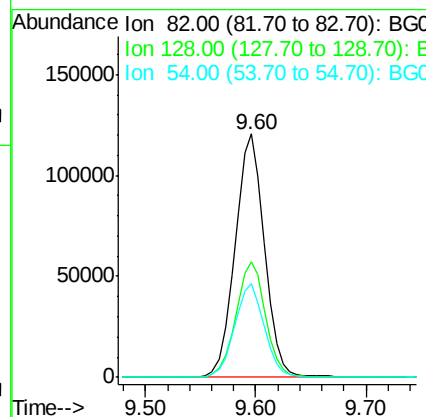
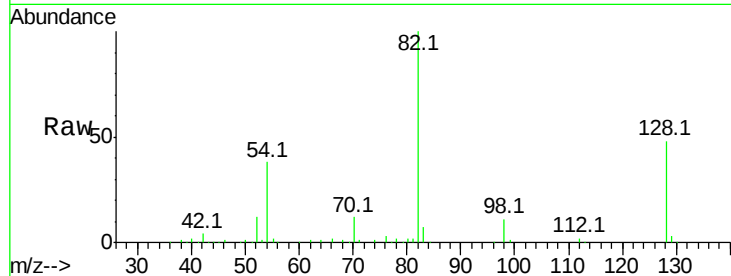




#23
 Nitrobenzene-d5
 Concen: 84.60 ng
 RT: 9.60 min Scan# 1022
 Delta R.T. -0.05 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

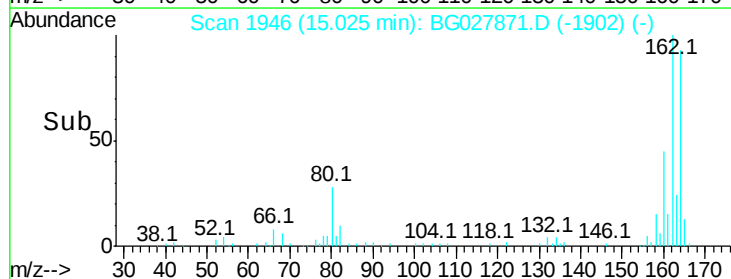
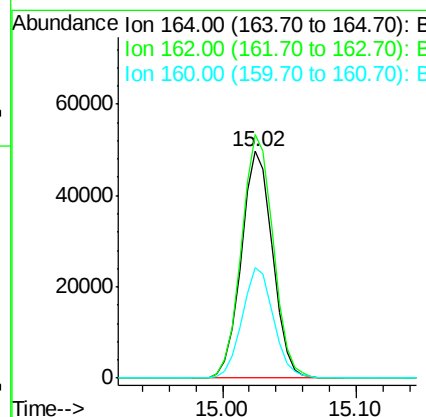
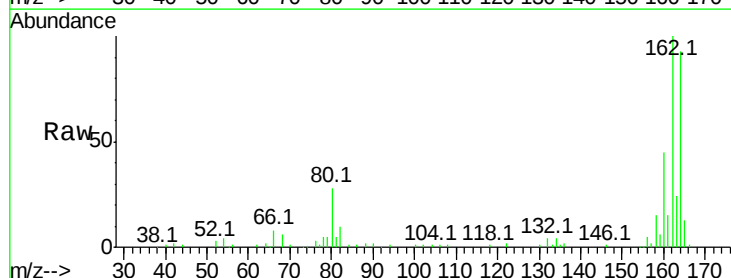
Instrument :
 BNA_G
 ClientSampleId :

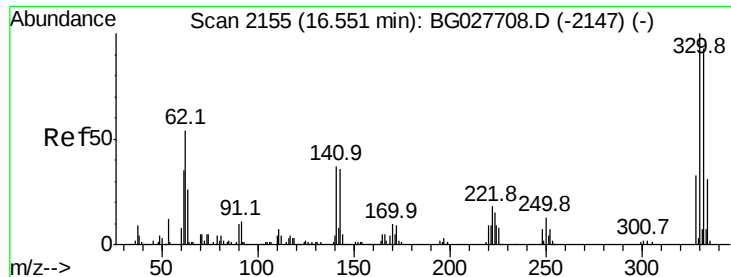
Tot Ion: 82 Resp: 224843
 Ion Ratio Lower Upper
 82 100
 128 47.7 26.4 39.6#
 54 38.3 49.4 74.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

Tgt Ion:164 Resp: 80301
 Ion Ratio Lower Upper
 164 100
 162 107.4 85.1 127.7
 160 48.6 34.7 52.1

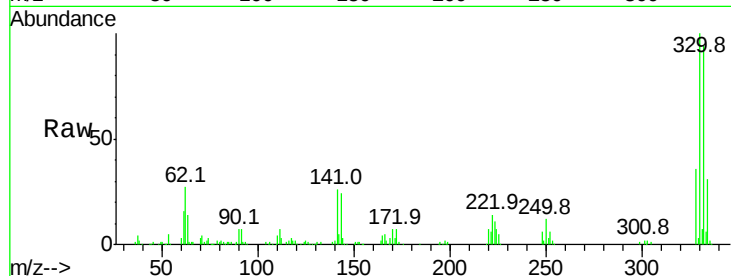




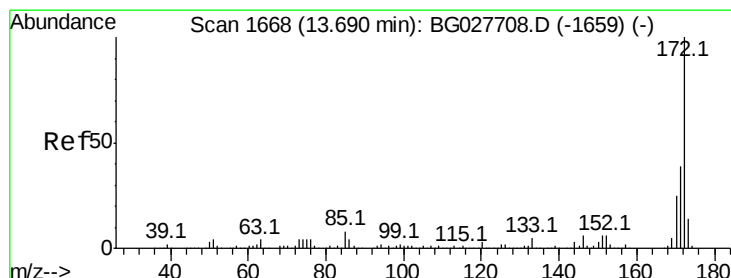
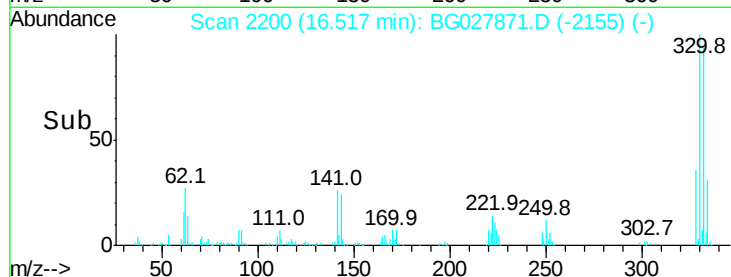
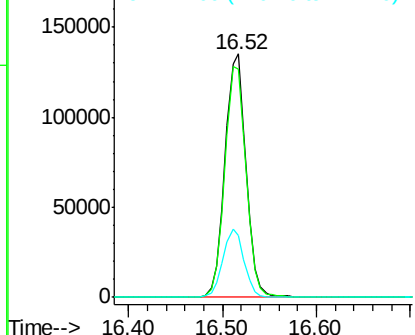
#41
 2,4,6-Tribromophenol
 Concen: 191.68 ng
 RT: 16.52 min Scan# 2200
 Delta R.T. -0.03 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	28.5	32.1	48.1#

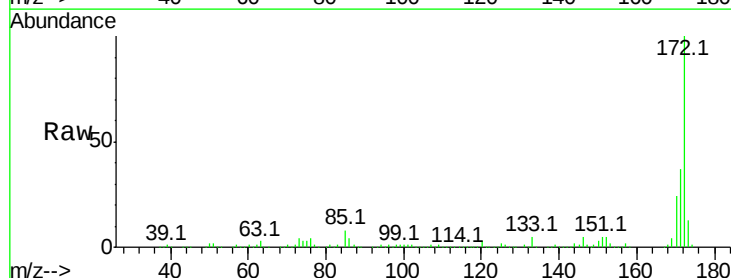


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

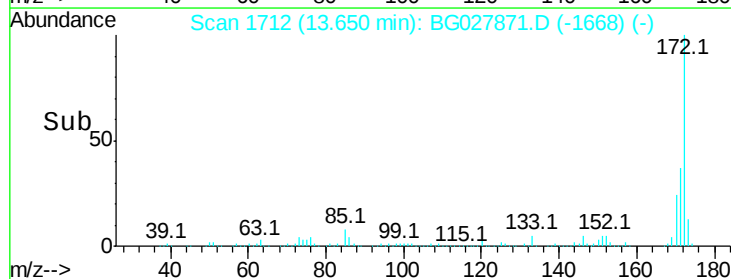
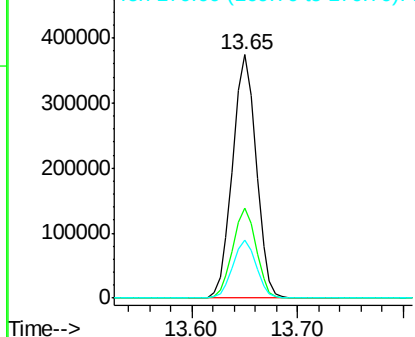


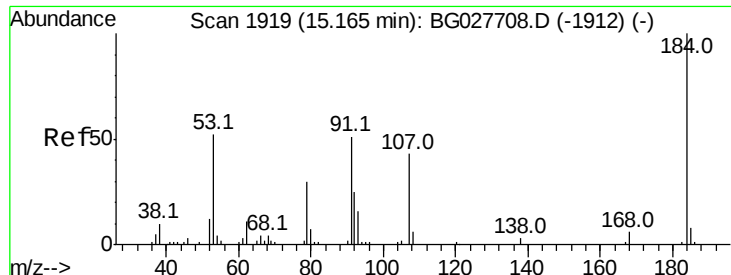
#44
 2-Fluorobiphenyl
 Concen: 102.85 ng
 RT: 13.65 min Scan# 1712
 Delta R.T. -0.04 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	32.2	48.2
170	23.8	21.8	32.6



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

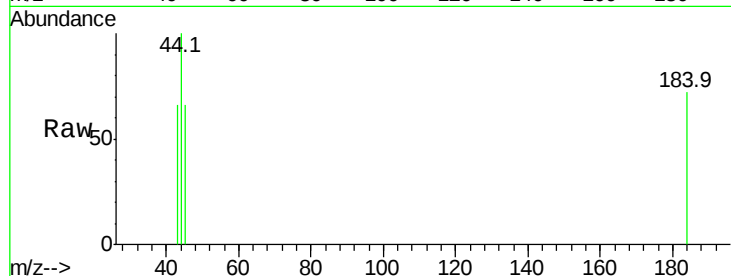




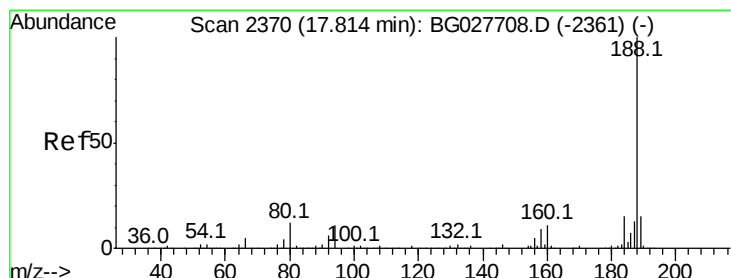
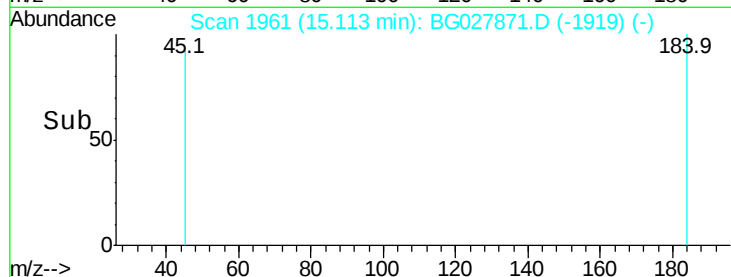
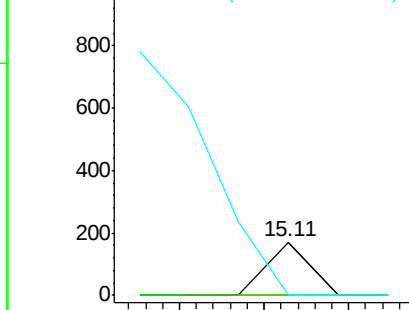
#53
 2,4-Dinitrophenol
 Concen: 8.64 ng
 RT: 15.11 min Scan# 1961
 Delta R.T. -0.05 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 52.7 79.1#
 154 0.0 57.3 85.9#

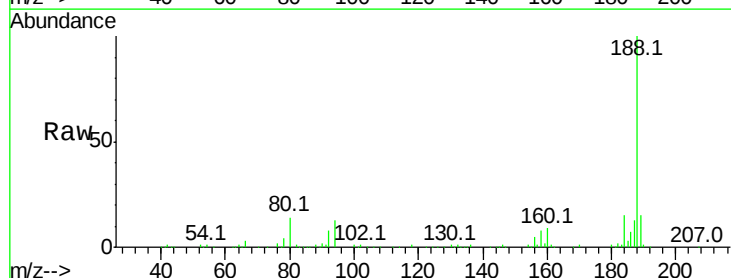


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

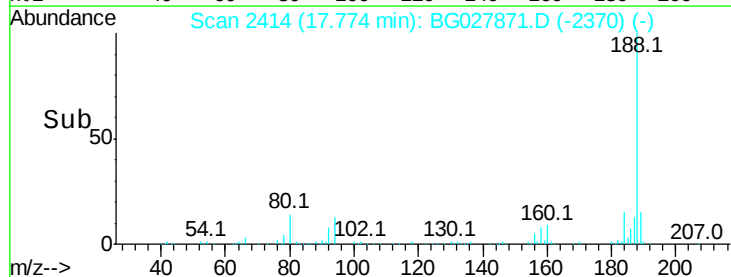
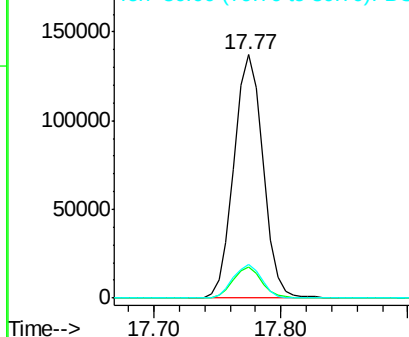


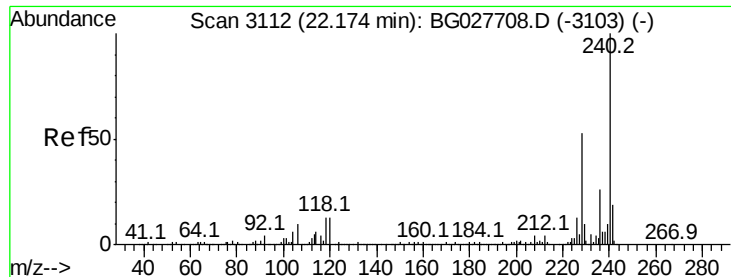
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.77 min Scan# 2414
 Delta R.T. -0.04 min
 Lab File: BG027871.D
 Acq: 7 Jul 2017 16:40

Tgt Ion:188 Resp: 217719
 Ion Ratio Lower Upper
 188 100
 94 12.7 5.8 8.8#
 80 14.1 7.5 11.3#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.12 min Scan# 3154

Delta R.T. -0.05 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

Instrument :

BNA_G

ClientSampleId :

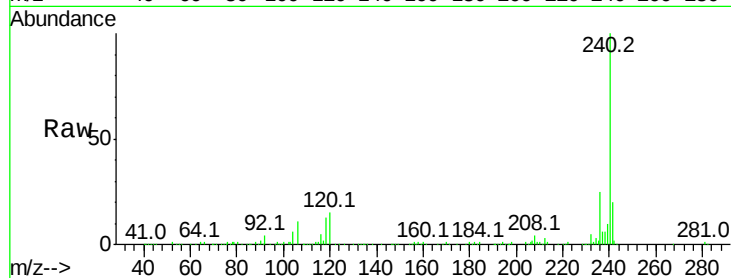
Tot Ion:240 Resp: 266616

Ion Ratio Lower Upper

240 100

120 14.7 5.7 8.5#

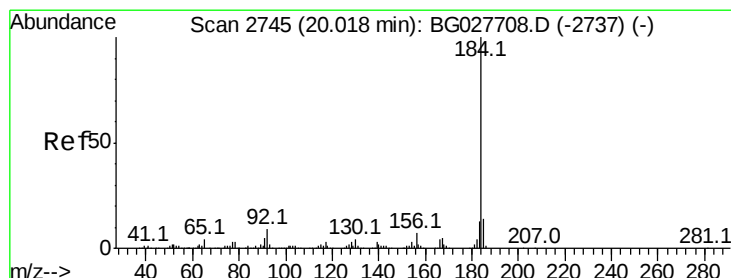
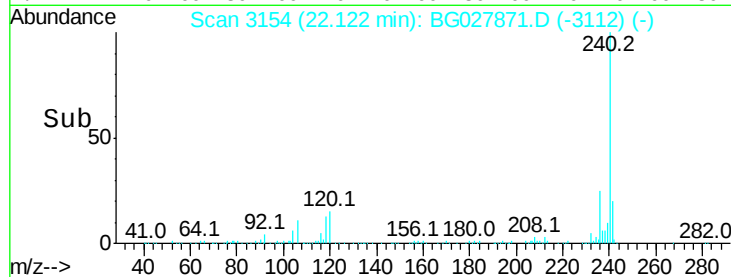
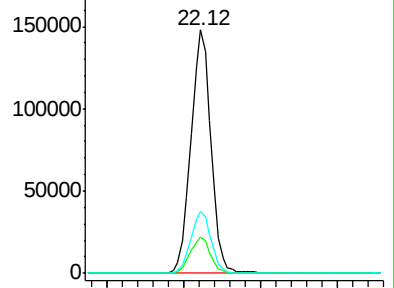
236 25.3 22.2 33.4



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: 3.99 ng

RT: 19.97 min Scan# 2787

Delta R.T. -0.05 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

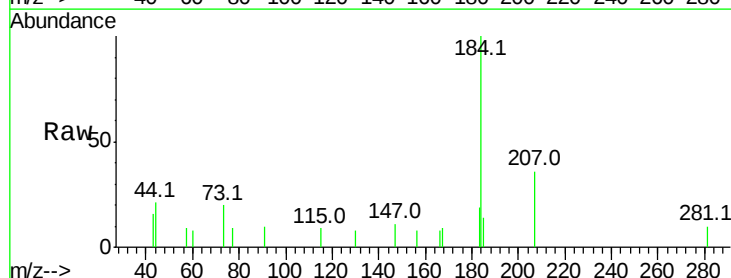
Tgt Ion:184 Resp: 5254

Ion Ratio Lower Upper

184 100

185 13.6 13.0 19.6

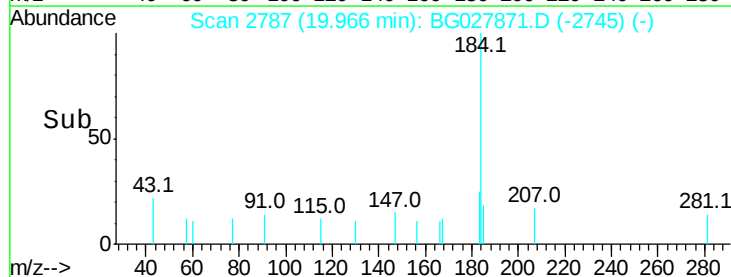
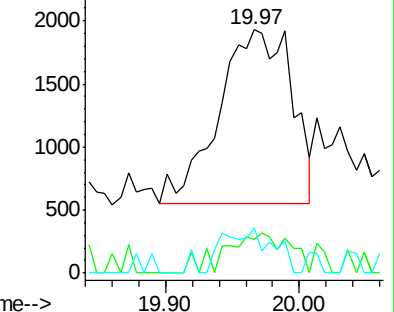
183 18.5 11.0 16.6#

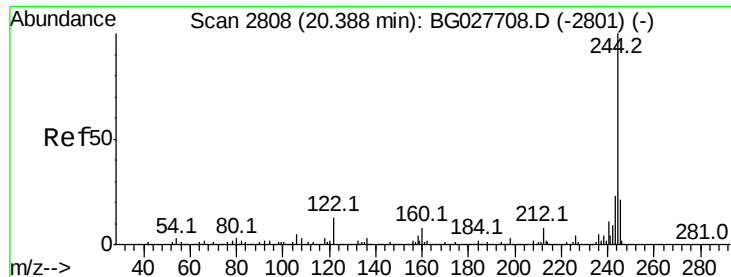


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.12 ng

RT: 20.35 min Scan# 2853

Delta R.T. -0.03 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

Instrument :

BNA_G

ClientSampleId :

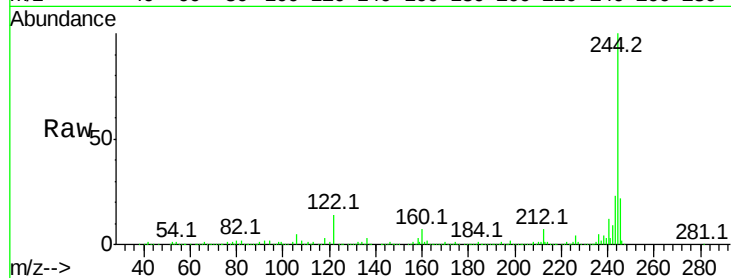
Tot Ion:244 Resp: 1206830

Ion Ratio Lower Upper

244 100

212 6.6 10.0 15.0#

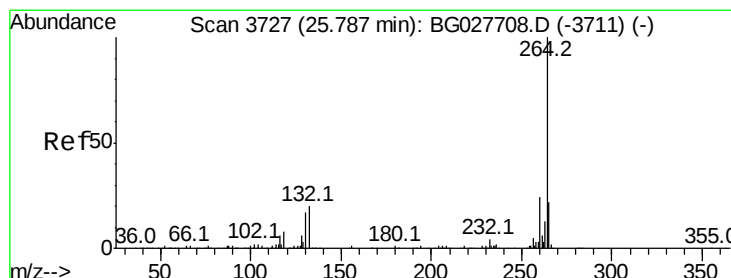
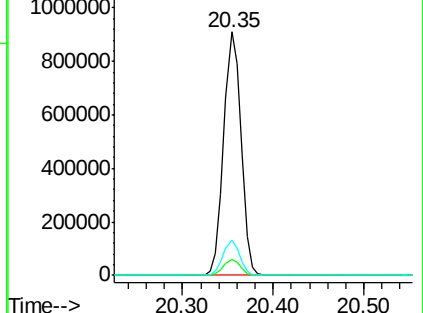
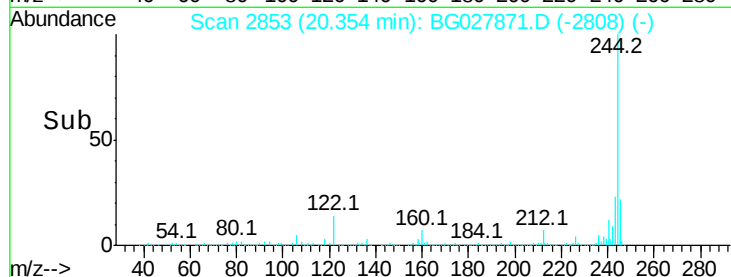
122 14.3 8.6 12.8#



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: 25.69 min Scan# 3762

Delta R.T. -0.09 min

Lab File: BG027871.D

Acq: 7 Jul 2017 16:40

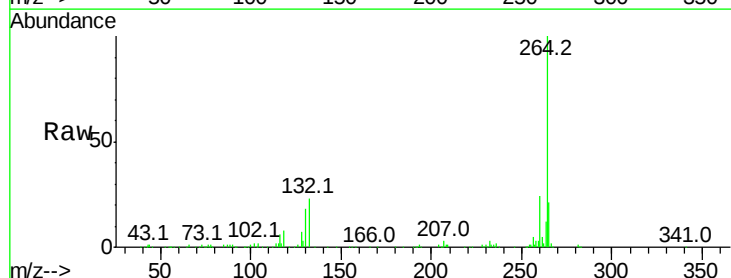
Tgt Ion:264 Resp: 256267

Ion Ratio Lower Upper

264 100

260 24.3 21.8 32.8

265 21.0 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

