

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071017\
 Data File : BG027894.D
 Acq On : 10 Jul 2017 19:28
 Operator : SJ/JU
 Sample : I4071-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 11 07:00:10 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

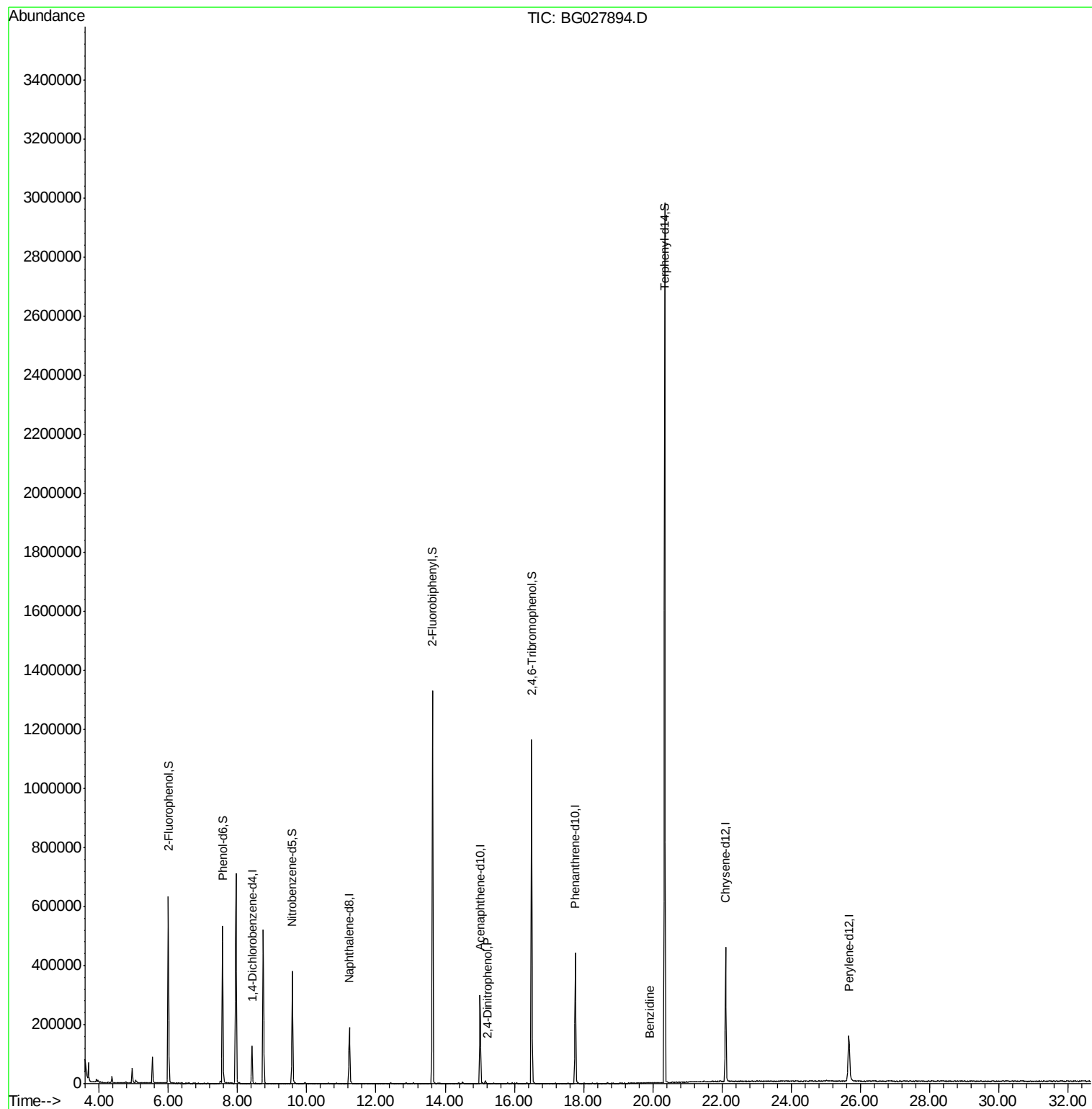
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	43786	20.00	ng	0.00
21) Naphthalene-d8	11.23	136	190654	20.00	ng	-0.02
38) Acenaphthene-d10	15.01	164	108598	20.00	ng	-0.02
63) Phenanthrene-d10	17.76	188	289418	20.00	ng	-0.02
75) Chrysene-d12	22.11	240	299329	20.00	ng	-0.02
86) Perylene-d12	25.67	264	161646	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	358987	126.25	ng	0.00
7) Phenol-d6	7.57	99	427846	98.49	ng	0.00
23) Nitrobenzene-d5	9.58	82	277540	81.14	ng	-0.02
41) 2,4,6-Tribromophenol	16.50	330	285010	191.34	ng	-0.02
44) 2-Fluorobiphenyl	13.63	172	748975	98.50	ng	-0.02
78) Terphenyl-d14	20.34	244	1342654	105.16	ng	0.00
Target Compounds						
53) 2,4-Dinitrophenol	15.22	184	53	8.62	ng	# 15
76) Benzidine	19.91	184	2631	3.56	ng	# 76

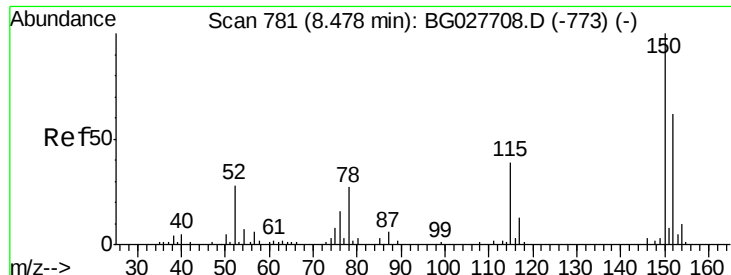
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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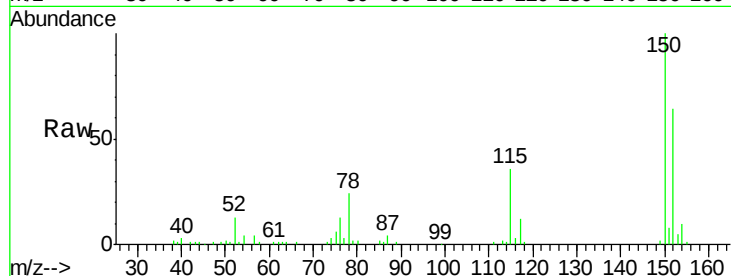


#1

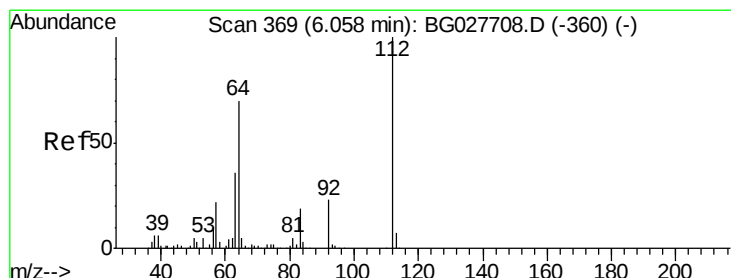
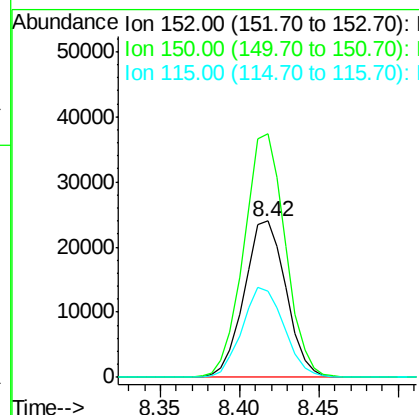
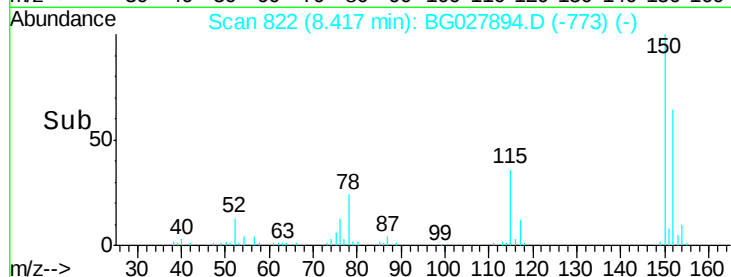
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.42 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG027894.D
Acq: 10 Jul 2017 19:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 43786
Ion Ratio Lower Upper
152 100
150 156.1 114.0 171.0
115 55.4 48.1 72.1



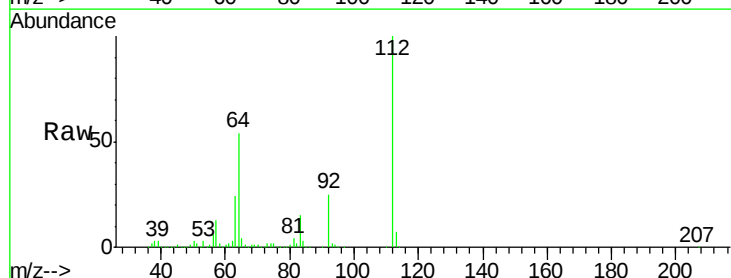
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



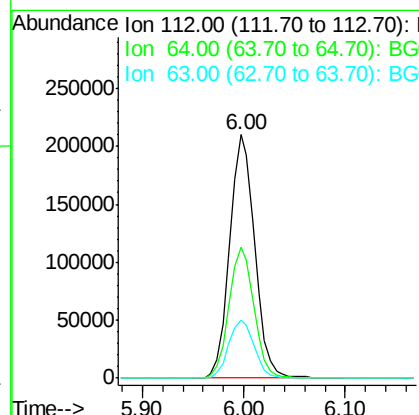
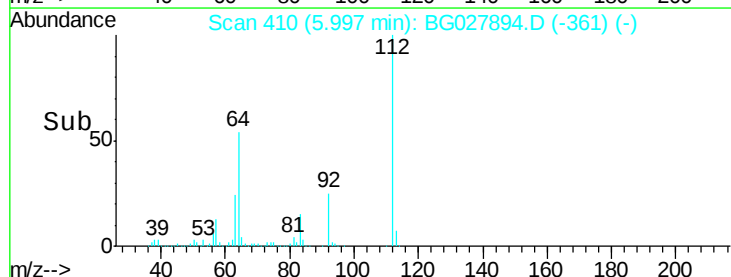
#5

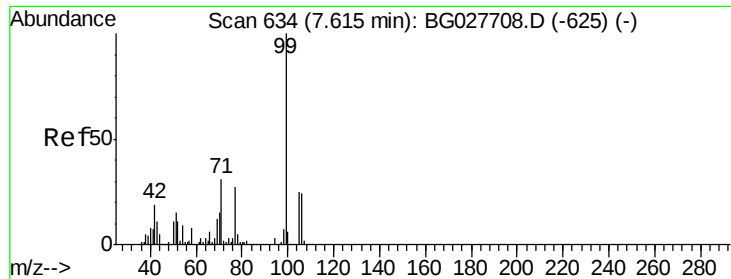
2-Fluorophenol
Concen: 126.25 ng
RT: 6.00 min Scan# 410
Delta R.T. -0.01 min
Lab File: BG027894.D
Acq: 10 Jul 2017 19:28

Tgt Ion:112 Resp: 358987
Ion Ratio Lower Upper
112 100
64 53.9 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: 98.49 ng

RT: 7.57 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

Instrument :

BNA_G

ClientSampleId :

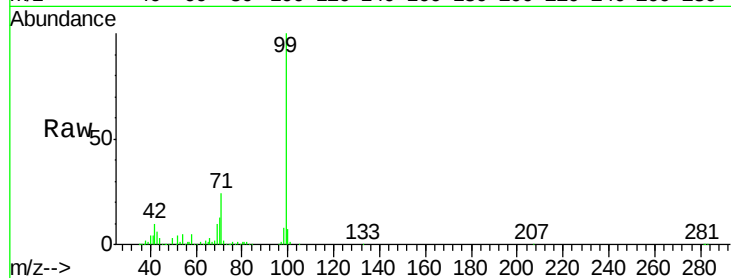
Tot Ion: 99 Resp: 427846

Ion Ratio Lower Upper

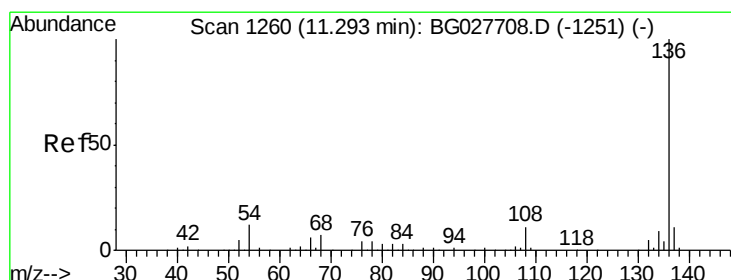
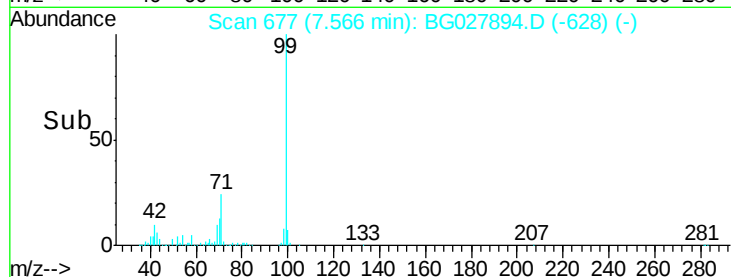
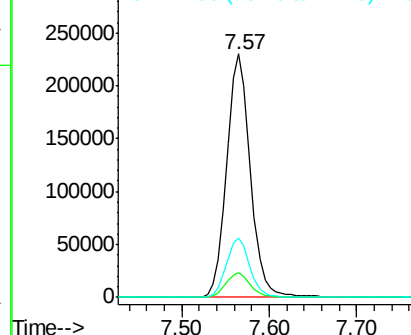
99 100

42 10.2 20.5 30.7#

71 24.5 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: 11.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

Tgt Ion: 136 Resp: 190654

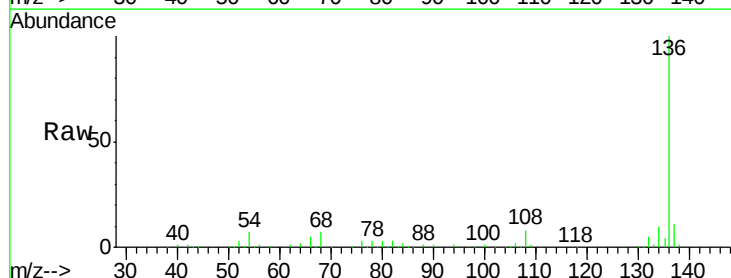
Ion Ratio Lower Upper

136 100

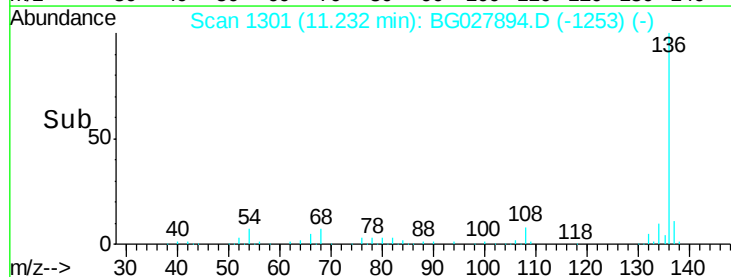
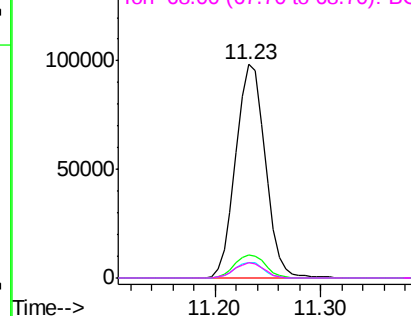
137 10.9 8.9 13.3

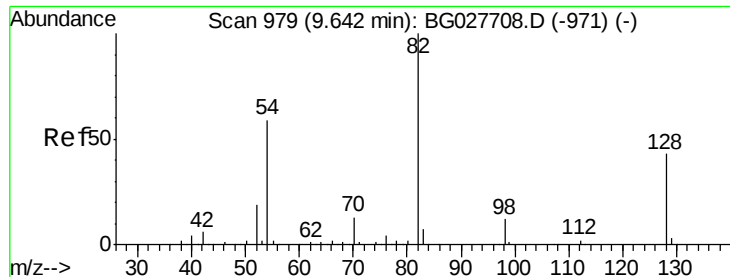
54 7.5 9.3 13.9#

68 7.2 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

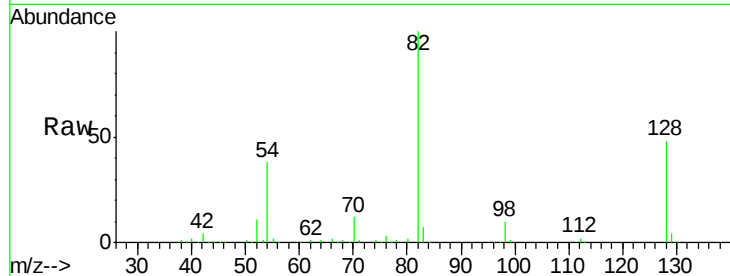




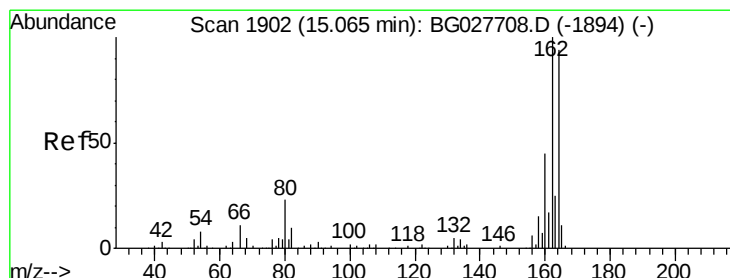
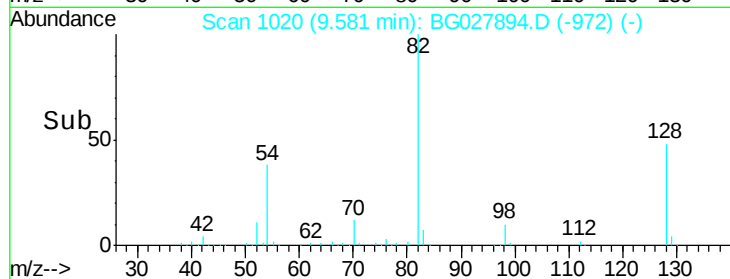
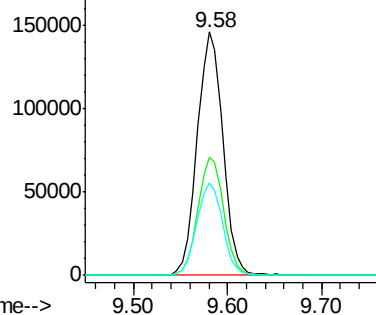
#23
 Nitrobenzene-d5
 Concen: 81.14 ng
 RT: 9.58 min Scan# 1020
 Delta R.T. -0.02 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 277540
 Ion Ratio Lower Upper
 82 100
 128 48.4 26.4 39.6#
 54 38.0 49.4 74.2#

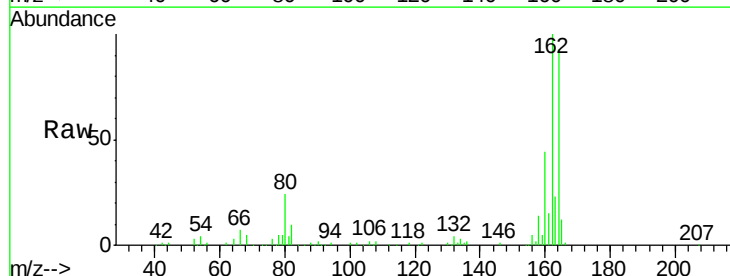


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

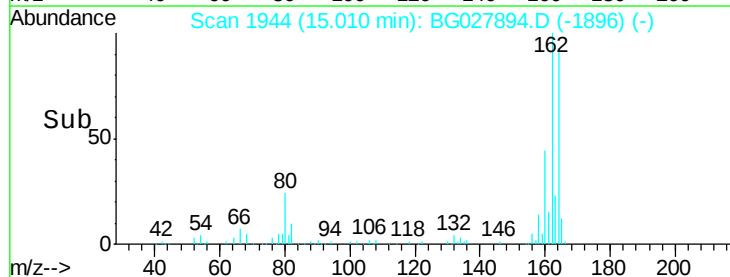
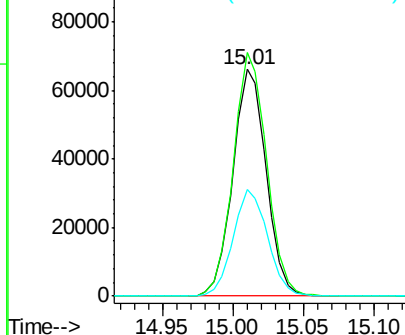


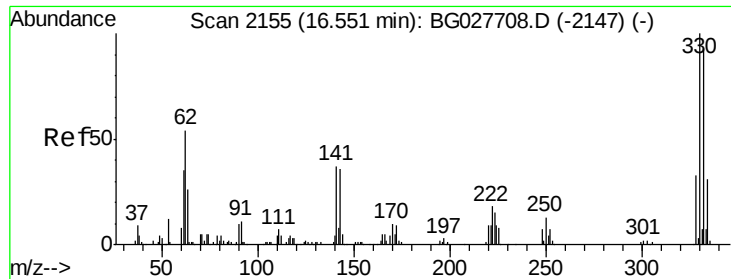
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1944
 Delta R.T. -0.02 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

Tgt Ion:164 Resp: 108598
 Ion Ratio Lower Upper
 164 100
 162 107.4 85.1 127.7
 160 47.0 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

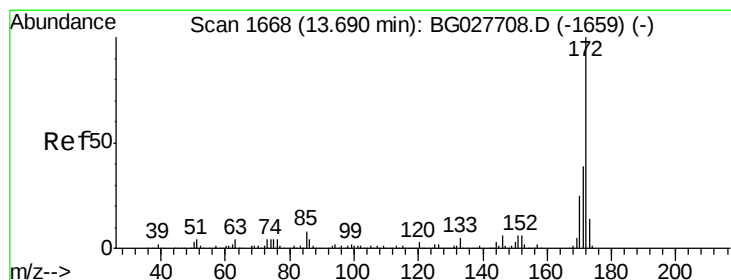
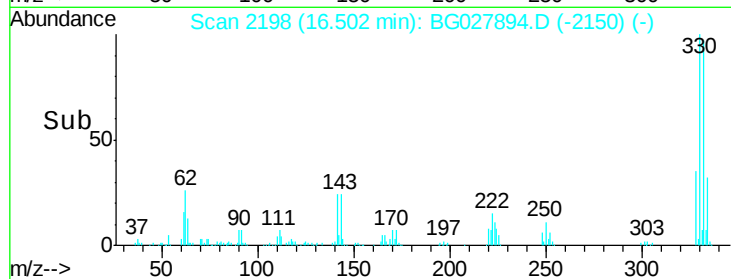
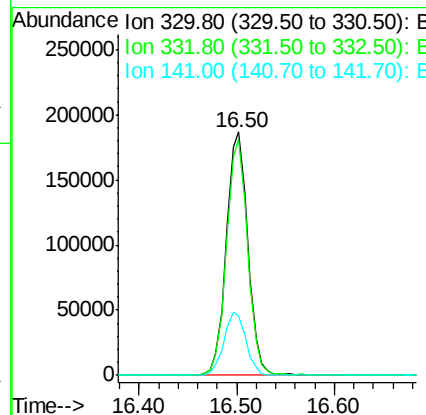
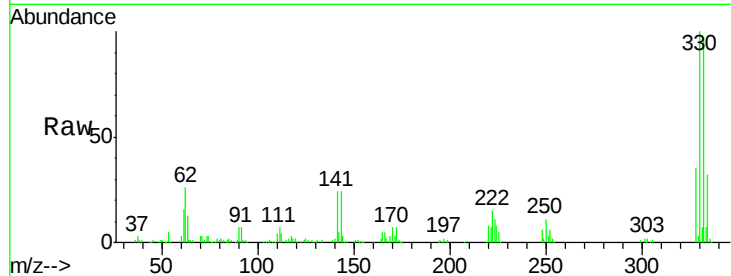




#41
 2,4,6-Tribromophenol
 Concen: 191.34 ng
 RT: 16.50 min Scan# 2198
 Delta R.T. -0.02 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

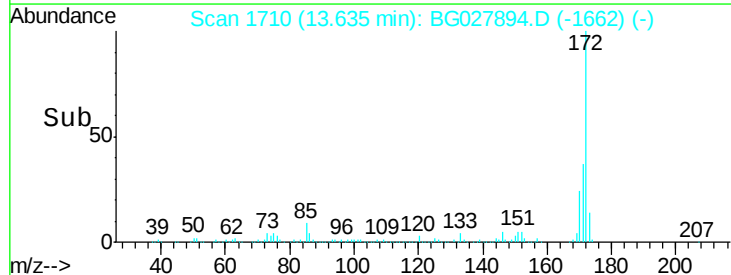
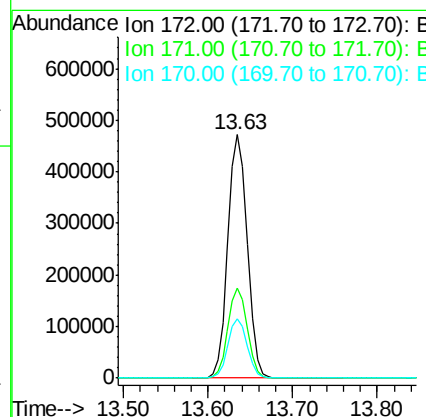
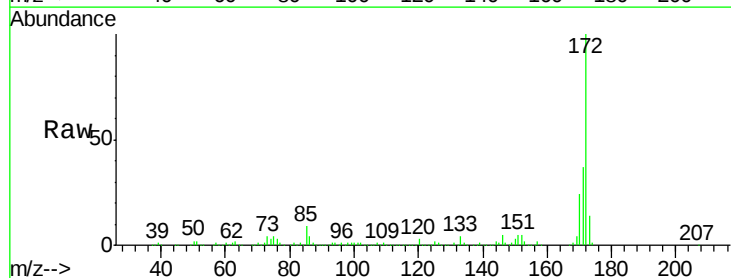
Instrument :
 BNA_G
 ClientSampled :

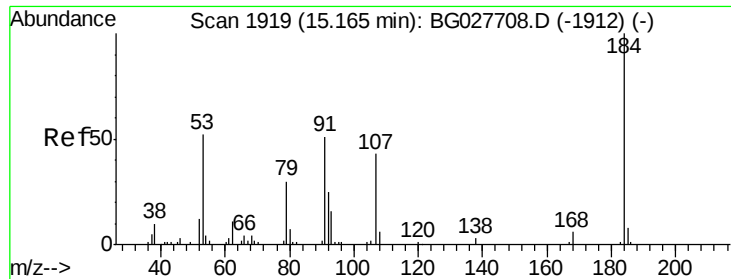
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.3	115.9
141	26.7	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 98.50 ng
 RT: 13.63 min Scan# 1710
 Delta R.T. -0.02 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	32.2	48.2
170	24.4	21.8	32.6

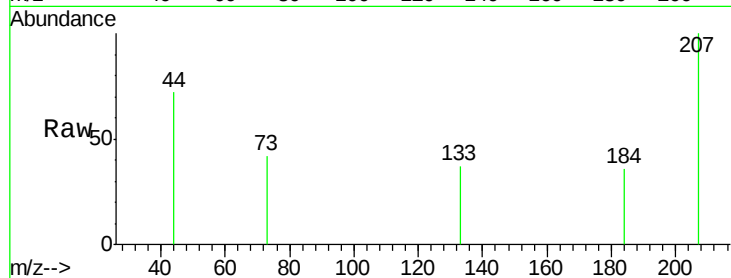




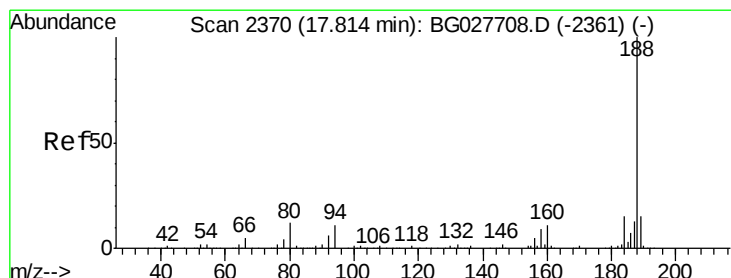
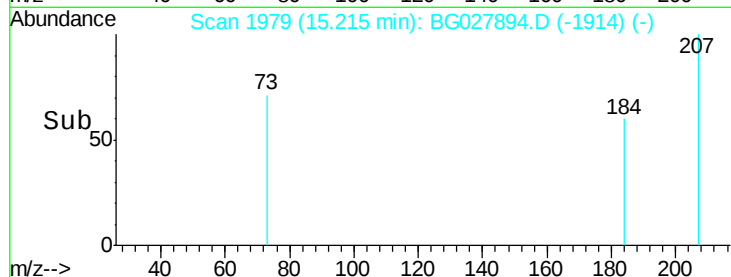
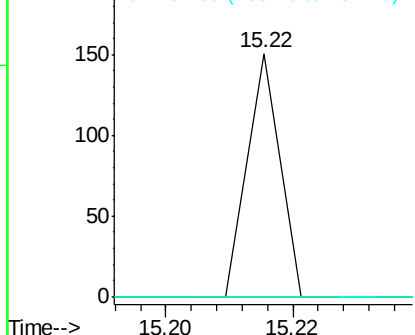
#53
 2,4-Dinitrophenol
 Concen: 8.62 ng
 RT: 15.22 min Scan# 1979
 Delta R.T. 0.08 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 52.7 79.1#
 154 0.0 57.3 85.9#

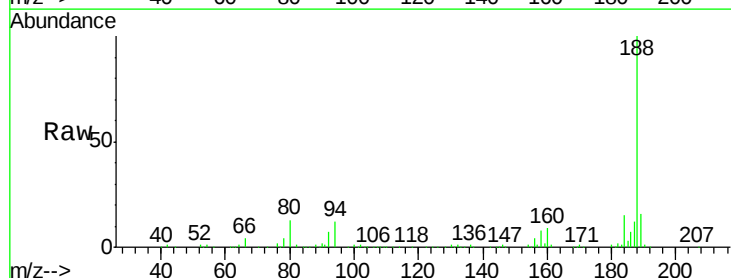


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

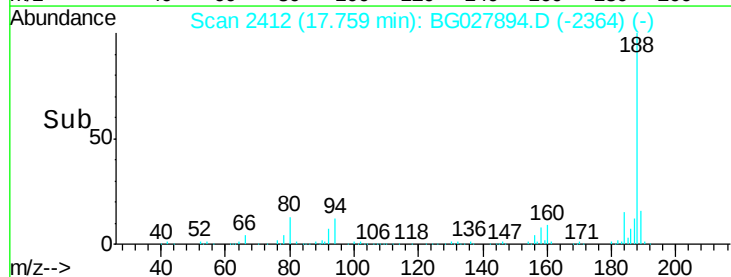
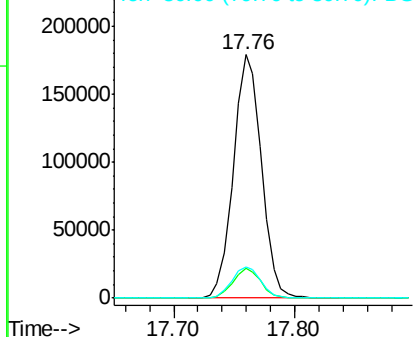


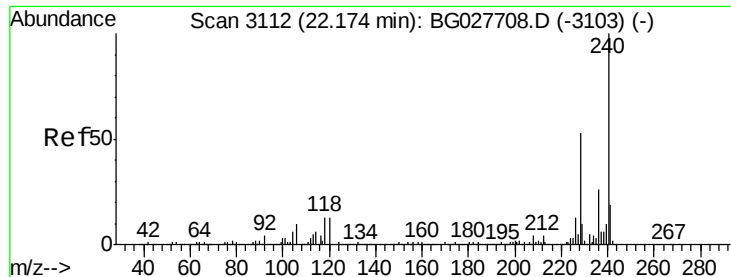
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.76 min Scan# 2412
 Delta R.T. -0.02 min
 Lab File: BG027894.D
 Acq: 10 Jul 2017 19:28

Tgt Ion:188 Resp: 289418
 Ion Ratio Lower Upper
 188 100
 94 12.3 5.8 8.8#
 80 12.6 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: 22.11 min Scan# 3152

Delta R.T. -0.02 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

Instrument :

BNA_G

ClientSampleId :

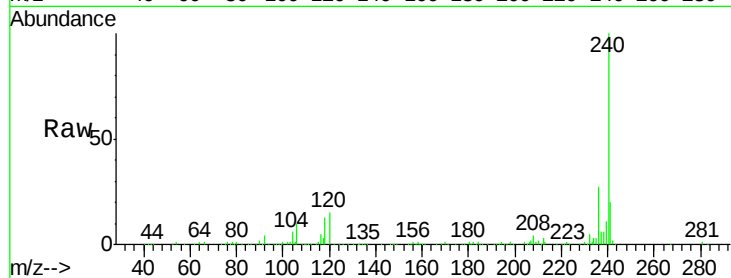
Tot Ion:240 Resp: 299329

Ion Ratio Lower Upper

240 100

120 14.9 5.7 8.5#

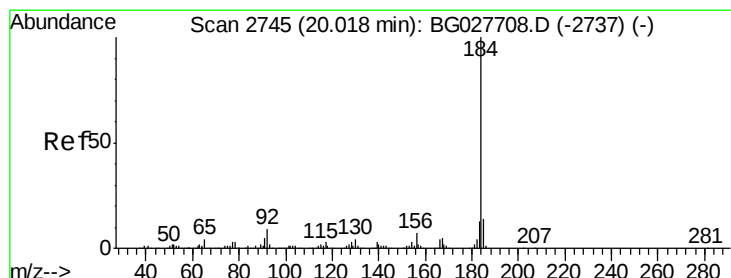
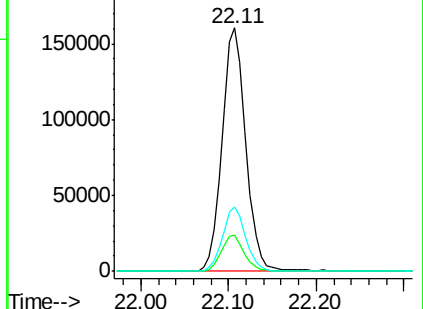
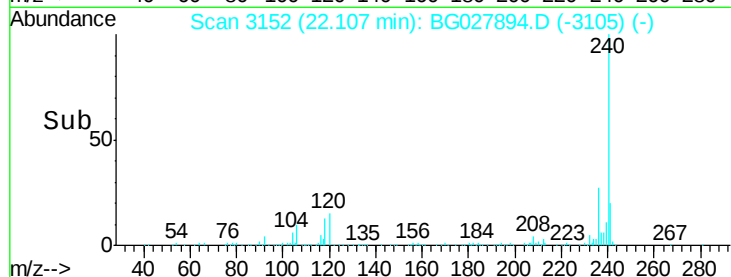
236 26.7 22.2 33.4



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: 3.56 ng

RT: 19.91 min Scan# 2778

Delta R.T. -0.08 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

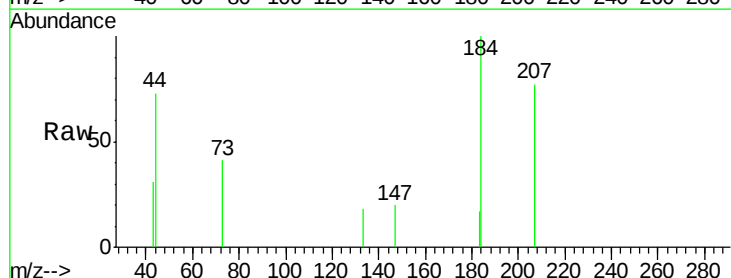
Tgt Ion:184 Resp: 2631

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

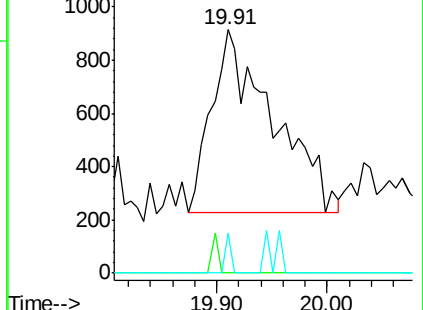
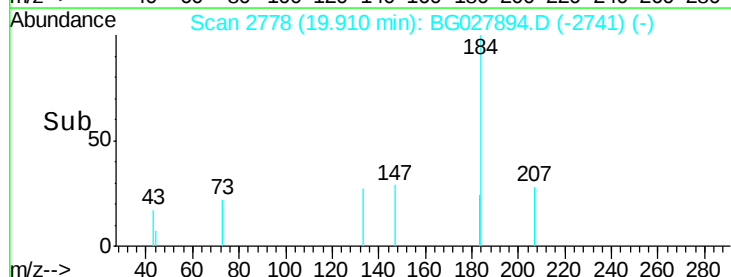
183 16.6 11.0 16.6#

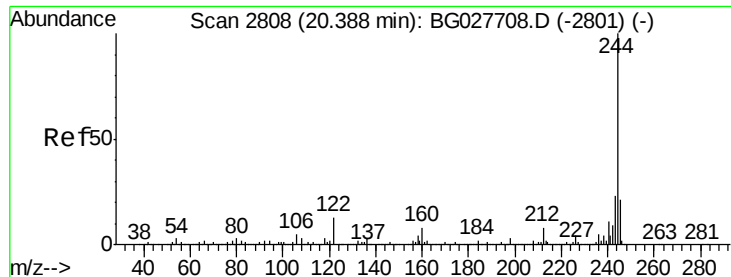


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.16 ng

RT: 20.34 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

Instrument :

BNA_G

ClientSampleId :

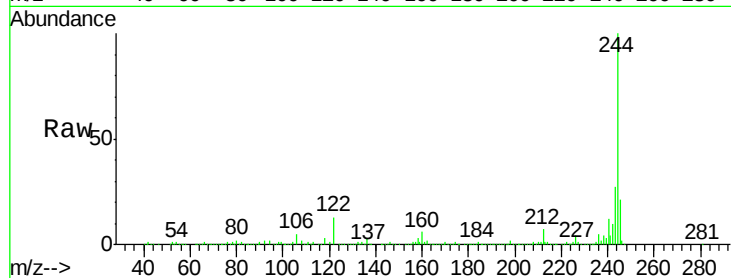
Tot Ion:244 Resp: 1342654

Ion Ratio Lower Upper

244 100

212 6.6 10.0 15.0#

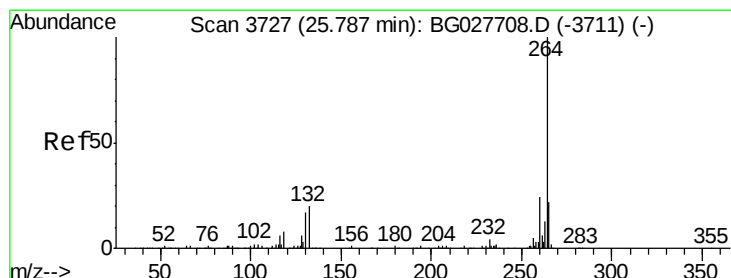
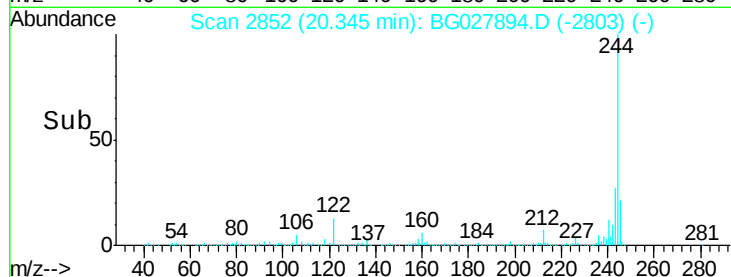
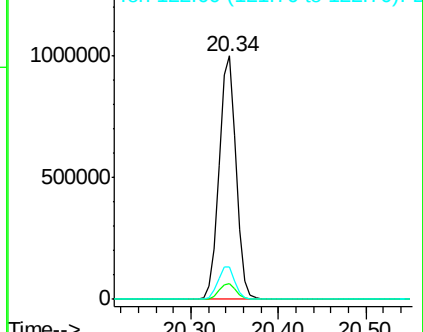
122 13.2 8.6 12.8#



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: 25.67 min Scan# 3758

Delta R.T. -0.03 min

Lab File: BG027894.D

Acq: 10 Jul 2017 19:28

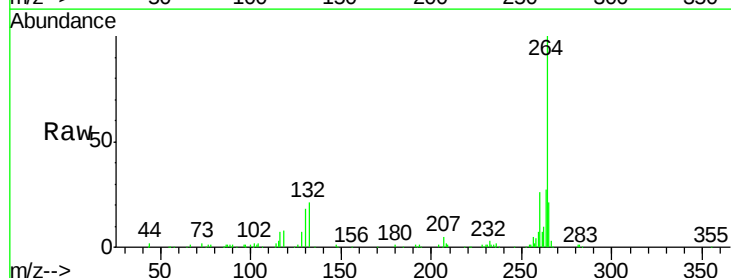
Tgt Ion:264 Resp: 161646

Ion Ratio Lower Upper

264 100

260 25.6 21.8 32.8

265 20.7 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

