

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035429.D
 Acq On : 27 Jun 2018 4:02
 Operator : JU/SJ
 Sample : J3645-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 07:23:23 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

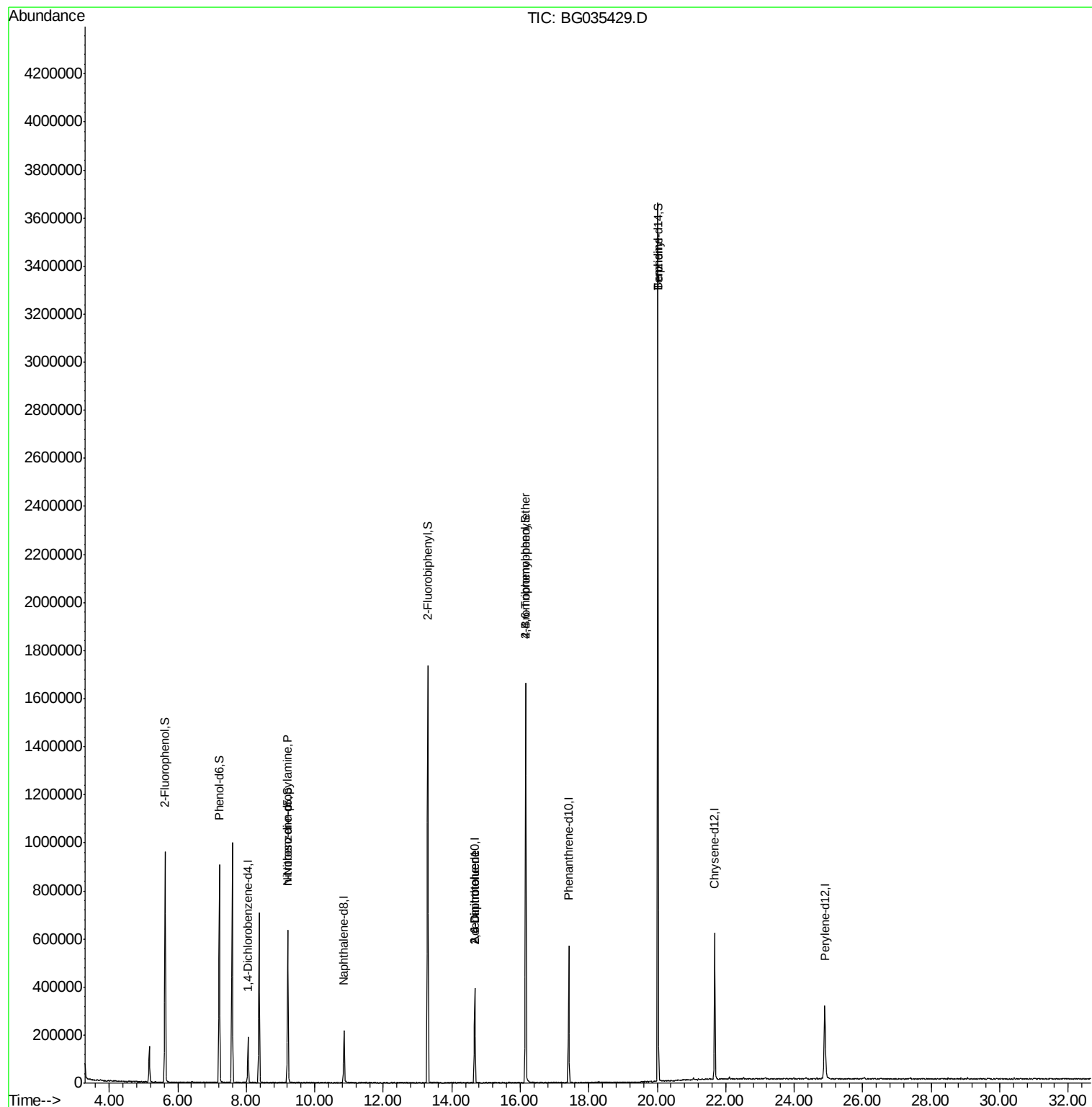
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53875	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	197769	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	136452	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	375972	20.00	ng	-0.03
75) Chrysene-d12	21.68	240	404767	20.00	ng	-0.04
86) Perylene-d12	24.89	264	372391	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	414566	129.86	ng	-0.01
7) Phenol-d6	7.21	99	550400	116.81	ng	-0.01
23) Nitrobenzene-d5	9.22	82	427322	102.71	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	307785	176.20	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	938610	89.42	ng	-0.03
78) Terphenyl-d14	20.02	244	1825018	94.44	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	57840	14.449	ng	# 60
50) 2,6-Dinitrotoluene	14.67	165	18102	8.339	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	18102	6.277	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	24689	5.453	ng	# 1
76) Benzidine	20.02	184	32587	2.164	ng	# 82

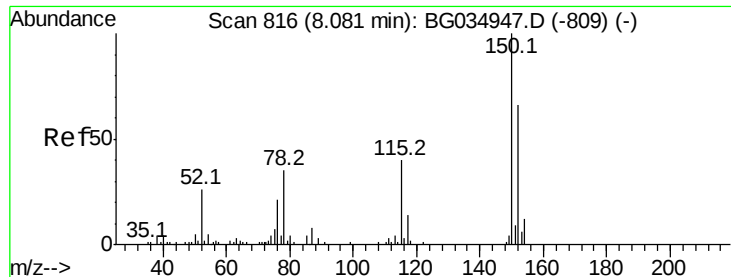
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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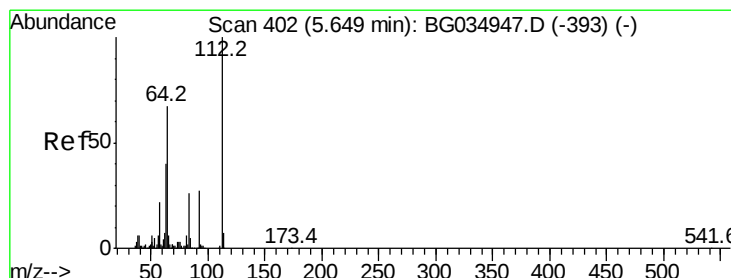
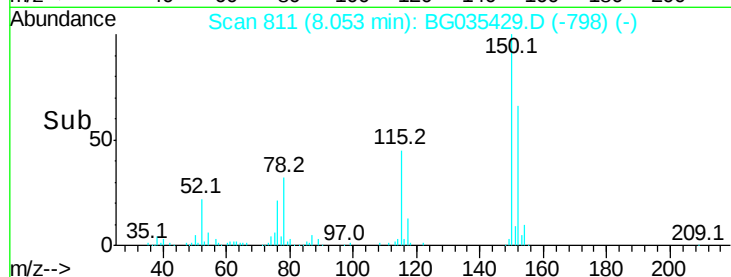
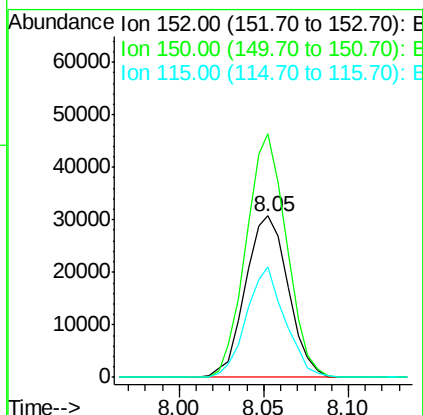
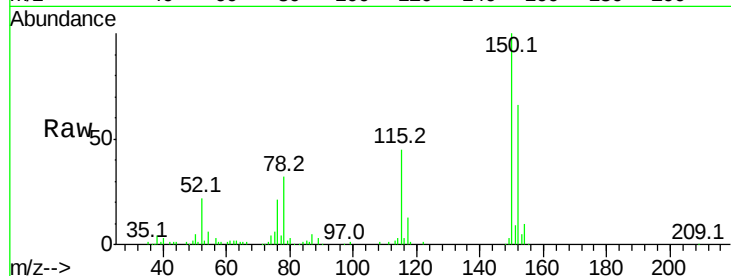


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Instrument :
BNA_G
ClientSampleId :

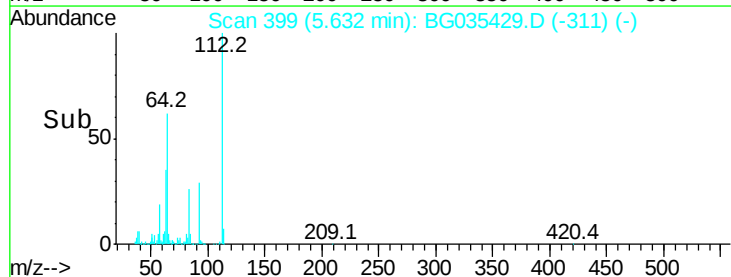
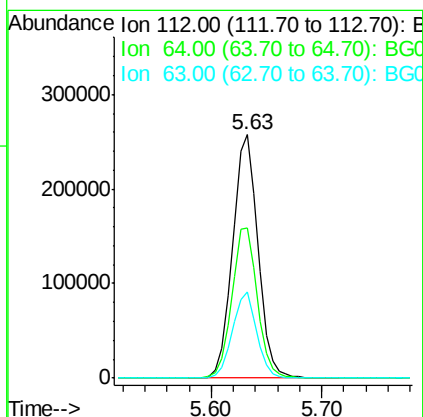
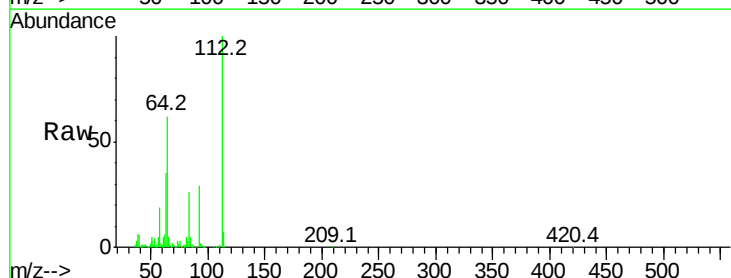
Tot Ion:152 Resp: 53875
Ion Ratio Lower Upper
152 100
150 151.1 126.6 189.8
115 68.7 53.0 79.4

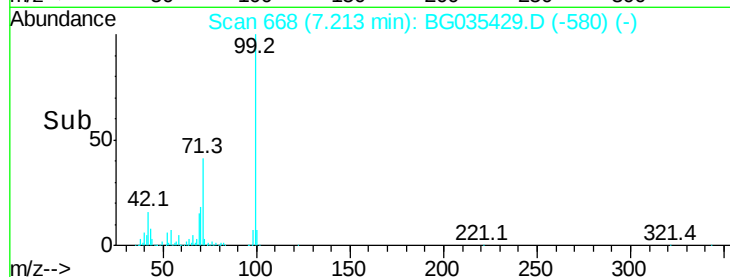
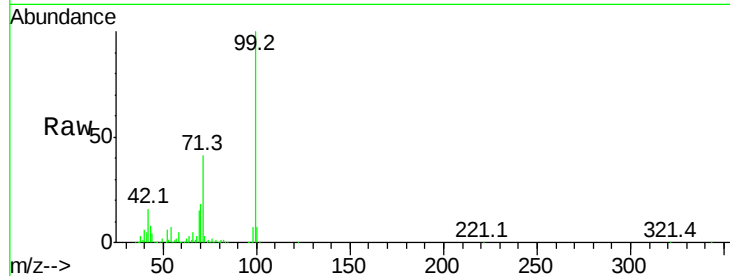
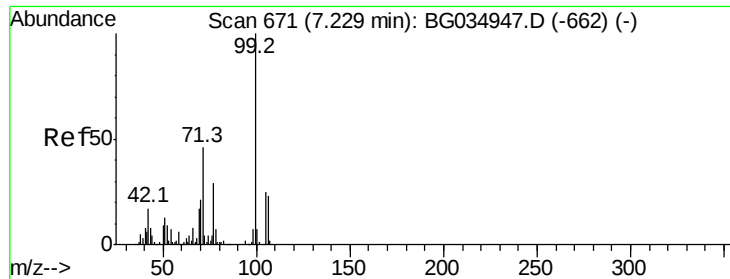


#5

2-Fluorophenol
Concen: 129.861 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Tgt Ion:112 Resp: 414566
Ion Ratio Lower Upper
112 100
64 61.8 56.3 84.5
63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 116.814 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

Instrument :

BNA_G

ClientSampleId :

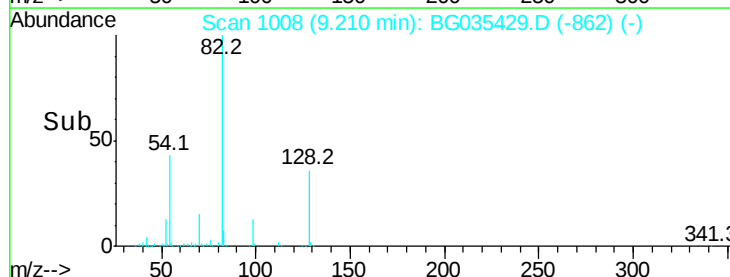
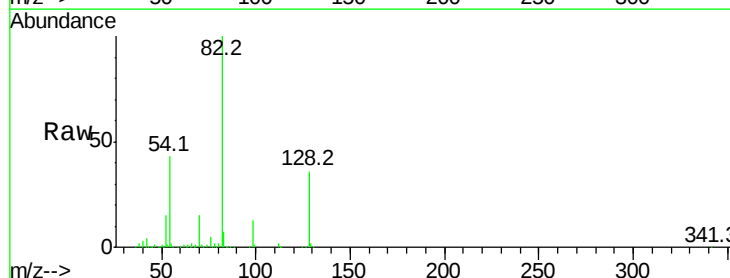
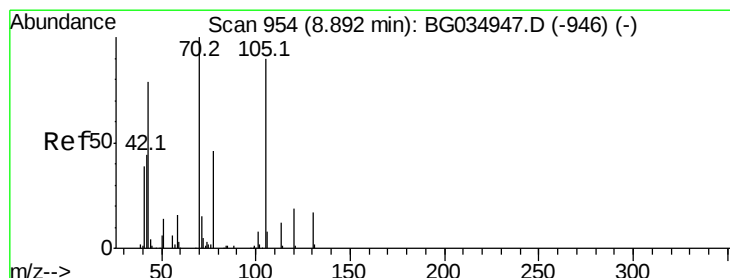
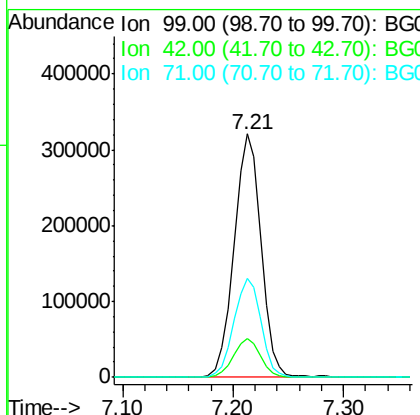
Tot Ion: 99 Resp: 550400

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

71 40.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.449 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

Tgt Ion: 70 Resp: 57840

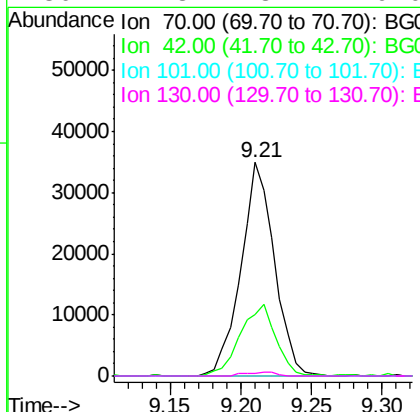
Ion Ratio Lower Upper

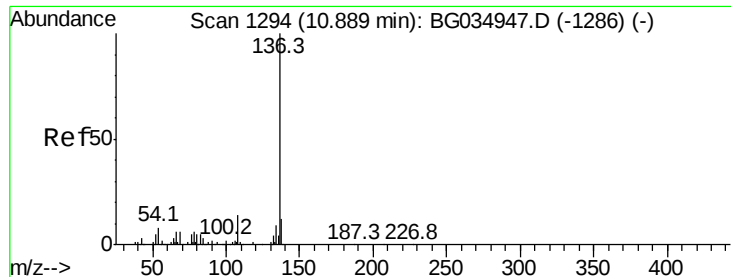
70 100

42 28.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 197769

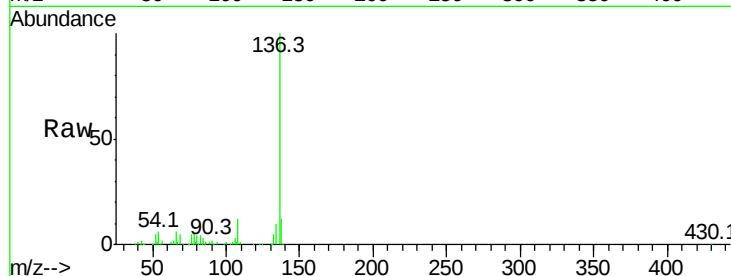
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 6.2 10.3 15.5#

68 5.0 4.5 6.7

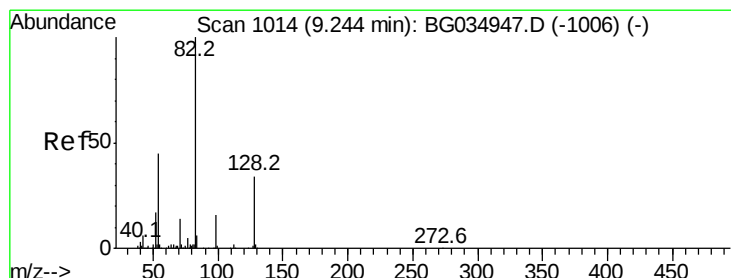
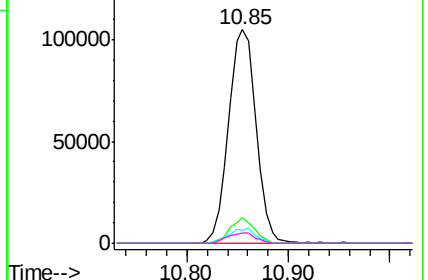
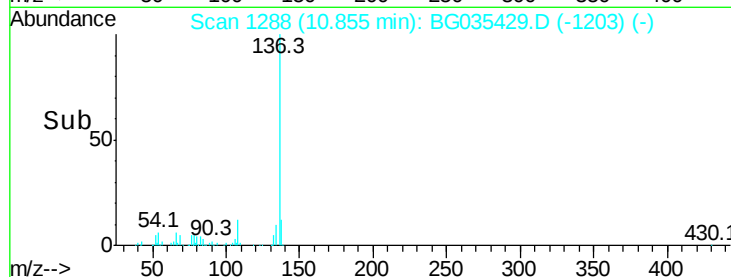


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.708 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

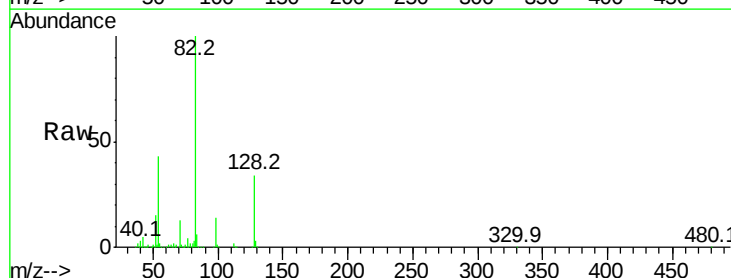
Tgt Ion: 82 Resp: 427322

Ion Ratio Lower Upper

82 100

128 34.4 29.7 44.5

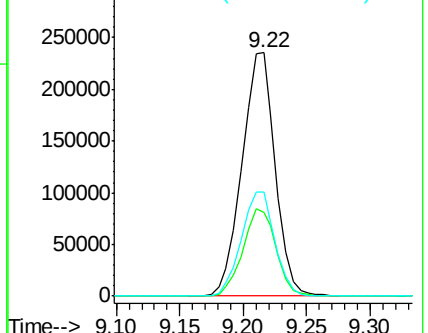
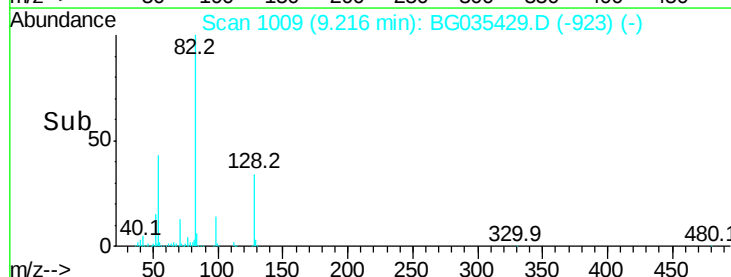
54 42.6 43.1 64.7#

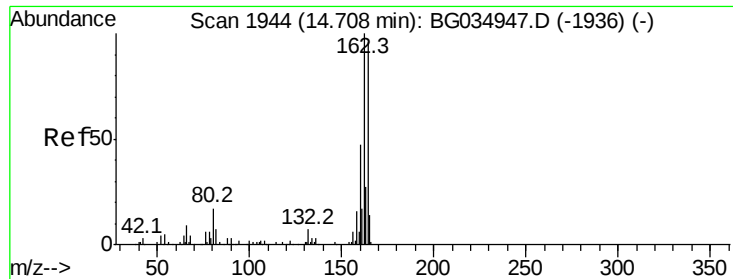


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

Instrument :

BNA_G

ClientSampleId :

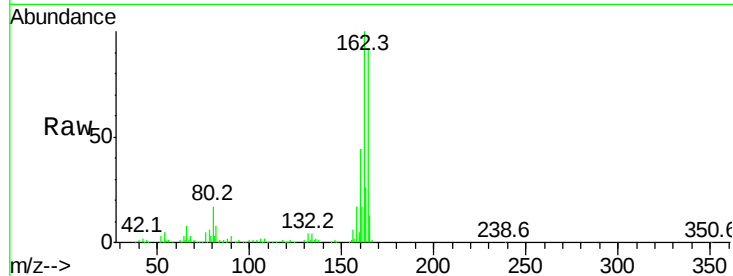
Tot Ion:164 Resp: 136452

Ion Ratio Lower Upper

164 100

162 108.1 78.8 118.2

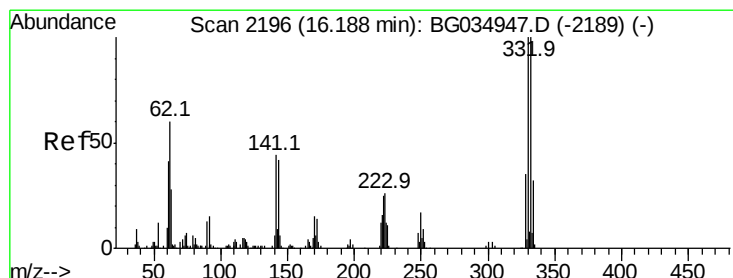
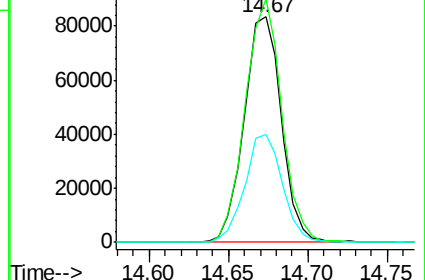
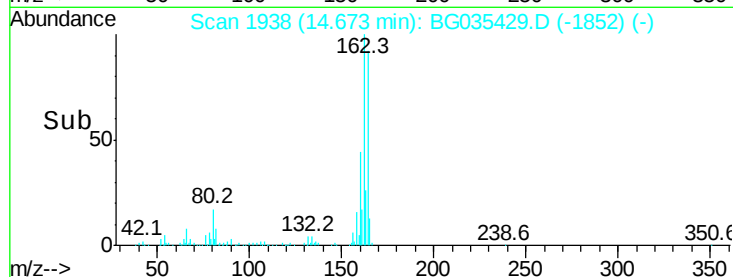
160 47.7 35.4 53.0



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: 176.203 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

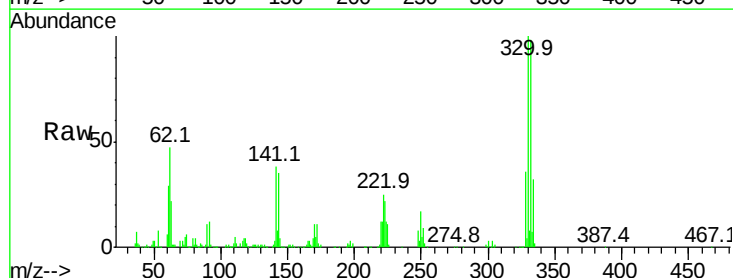
Tgt Ion:330 Resp: 307785

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

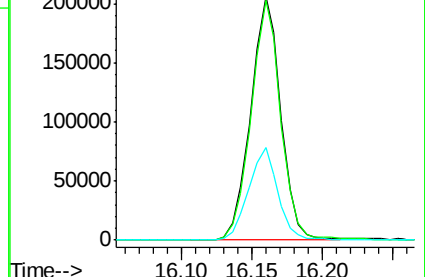
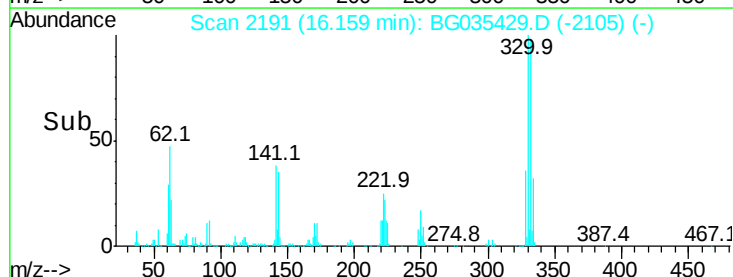
141 37.1 25.2 37.8

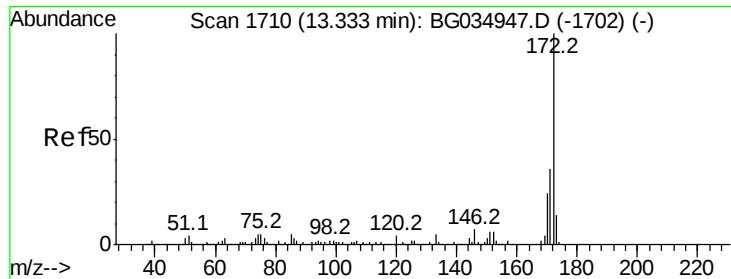


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

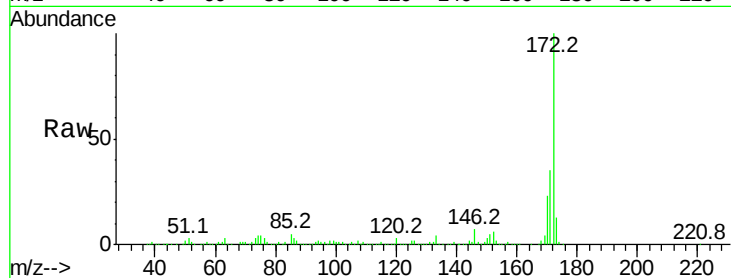




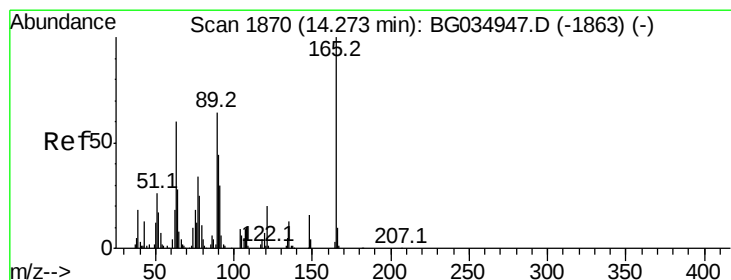
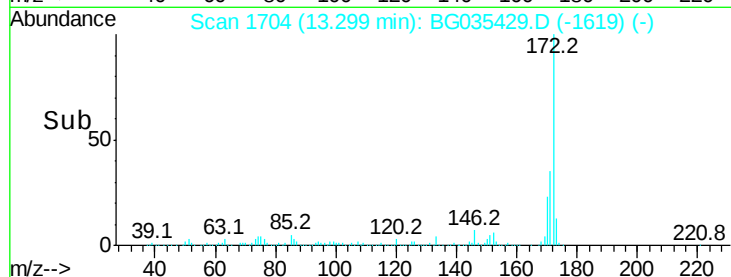
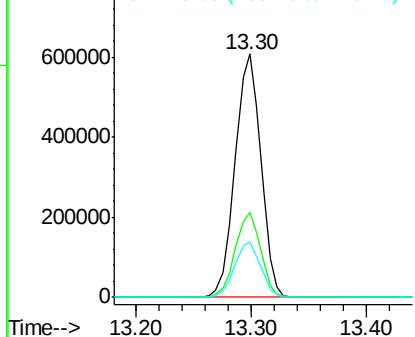
#44
2-Fluorobiphenyl
Concen: 89.423 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 938610
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 22.8 19.5 29.3

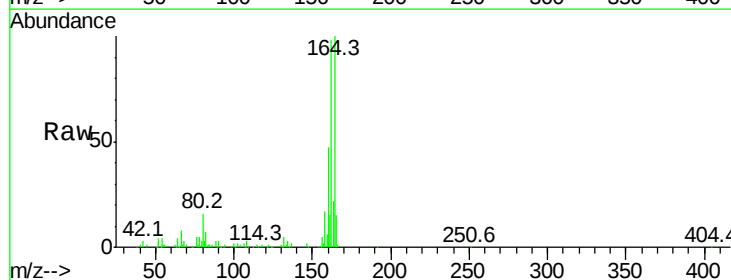


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

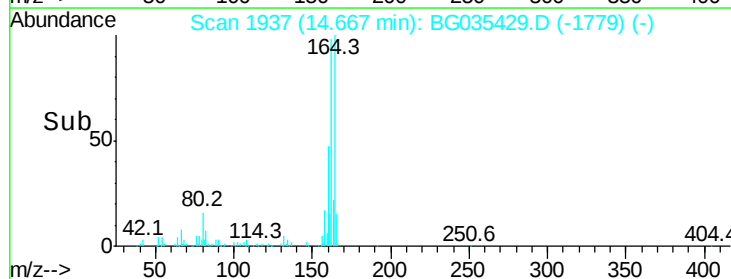
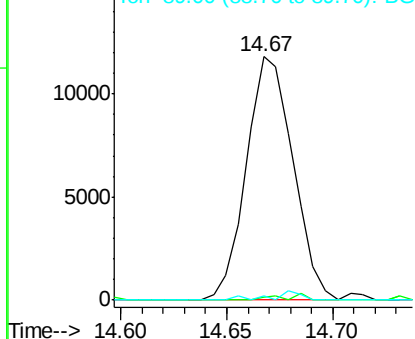


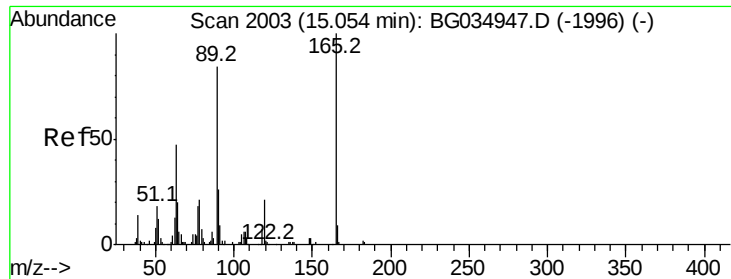
#50
2,6-Dinitrotoluene
Concen: 8.339 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.40 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Tgt Ion:165 Resp: 18102
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

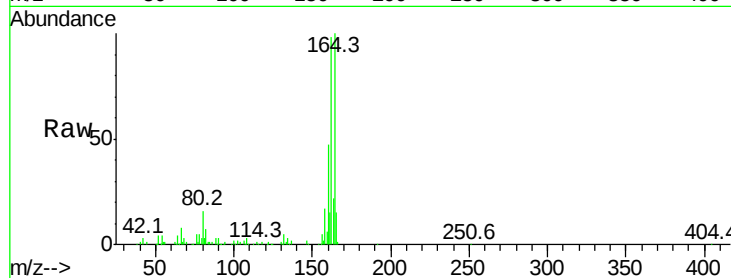




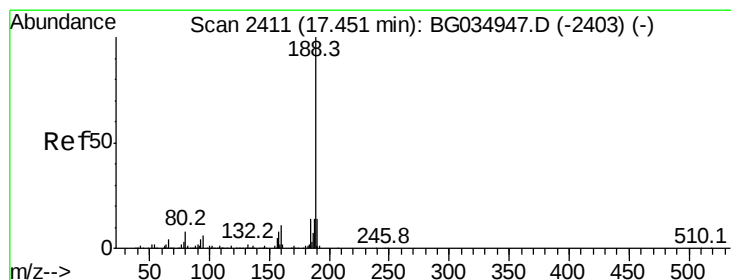
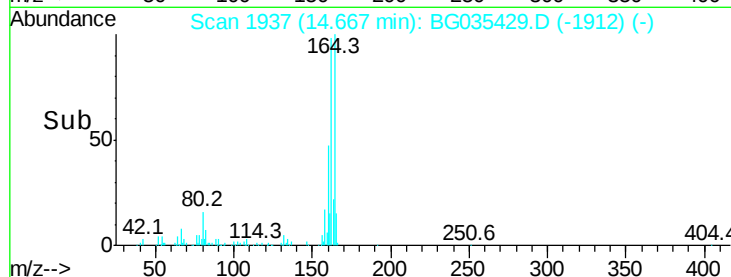
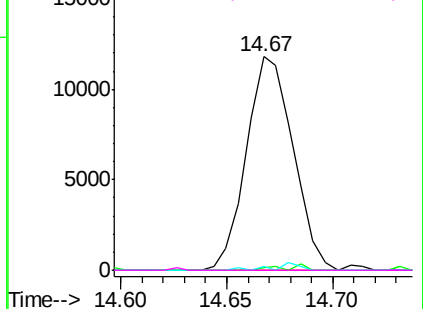
#56
2,4-Dinitrotoluene
Concen: 6.277 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.38 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 18102
Ion Ratio Lower Upper
165 100
63 1.3 42.0 63.0#
89 1.9 66.9 100.3#
182 0.0 2.6 3.8#

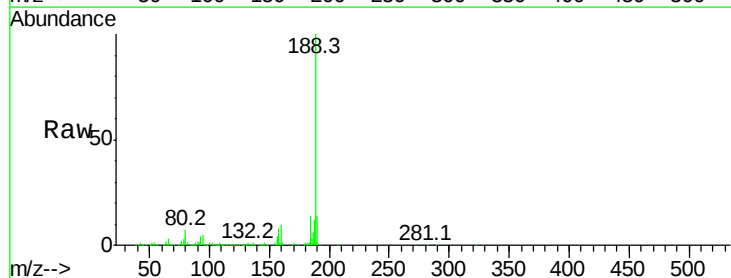


Abundance Ion 165.00 (164.70 to 165.70): E

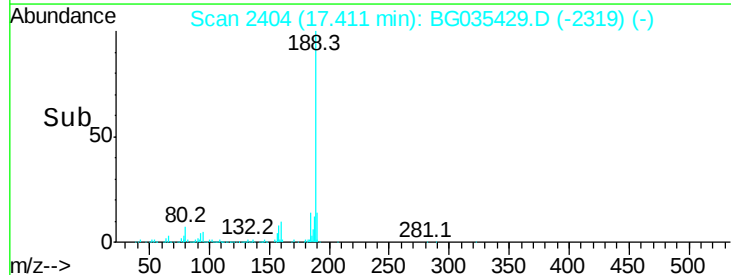
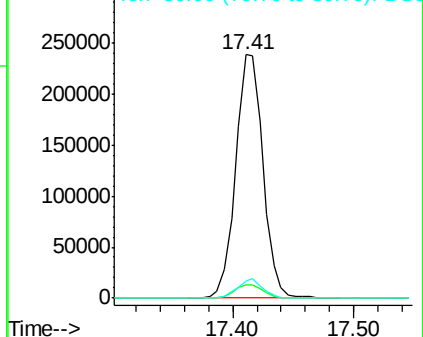


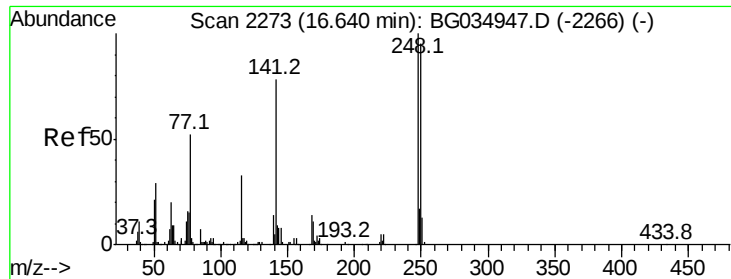
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.03 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Tgt Ion:188 Resp: 375972
Ion Ratio Lower Upper
188 100
94 5.3 6.9 10.3#
80 6.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

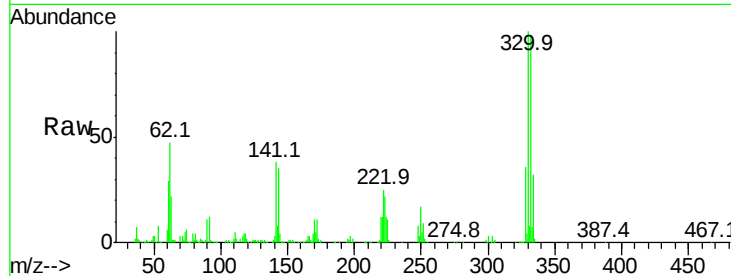




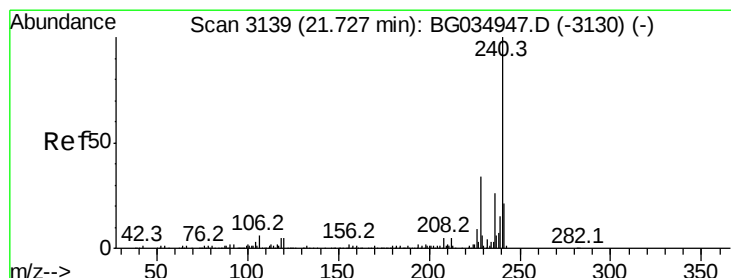
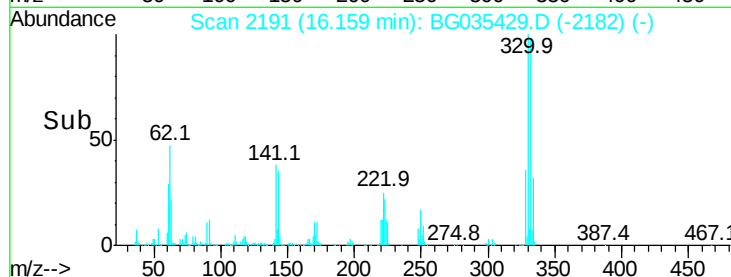
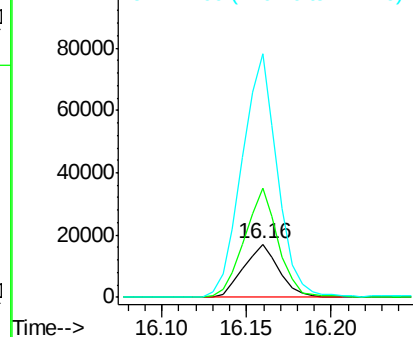
#66
 4-Bromophenyl-phenylether
 Concen: 5.453 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035429.D
 Acq: 27 Jun 2018 4:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 24689
 Ion Ratio Lower Upper
 248 100
 250 205.1 77.1 115.7#
 141 454.9 50.8 76.2#

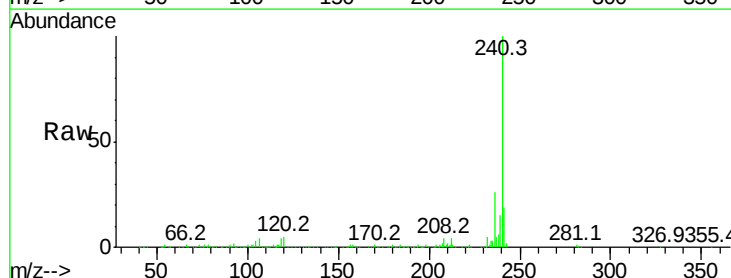


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

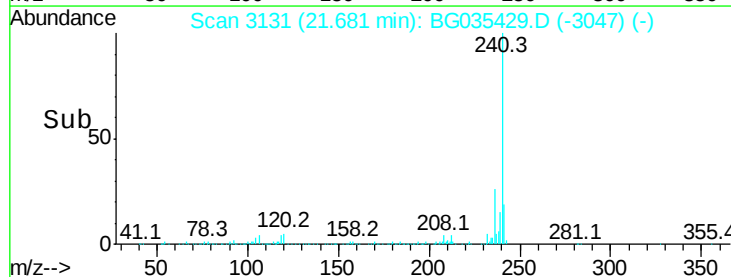
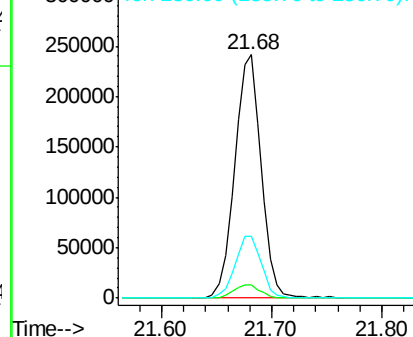


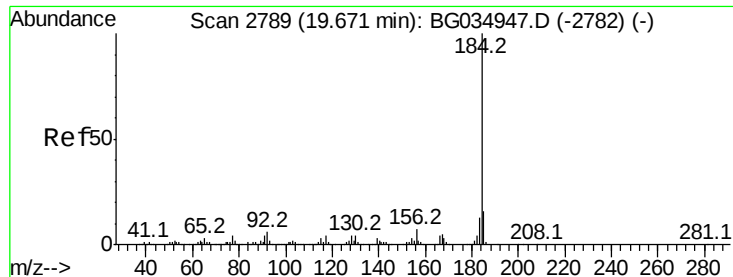
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035429.D
 Acq: 27 Jun 2018 4:02

Tgt Ion:240 Resp: 404767
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 25.5 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: 2.164 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.35 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

Instrument :

BNA_G

ClientSampleId :

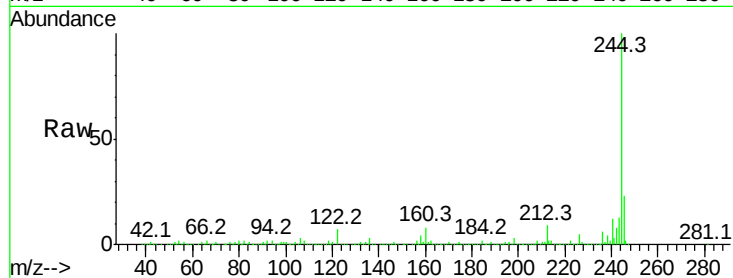
Tot Ion:184 Resp: 32587

Ion Ratio Lower Upper

184 100

185 21.0 11.1 16.7#

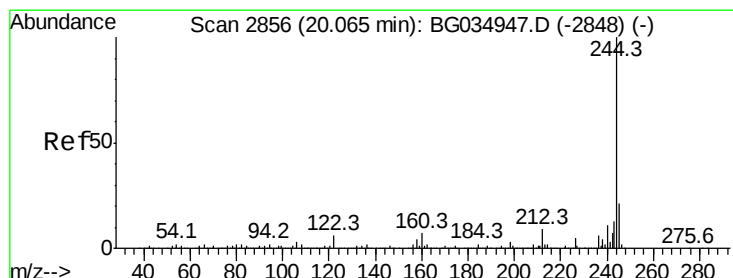
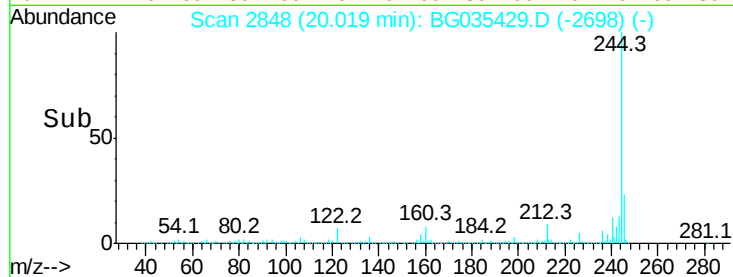
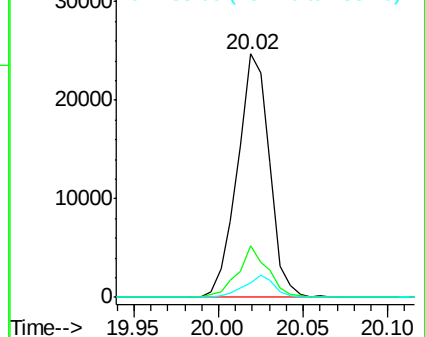
183 5.8 10.6 16.0#



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: 94.445 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035429.D

Acq: 27 Jun 2018 4:02

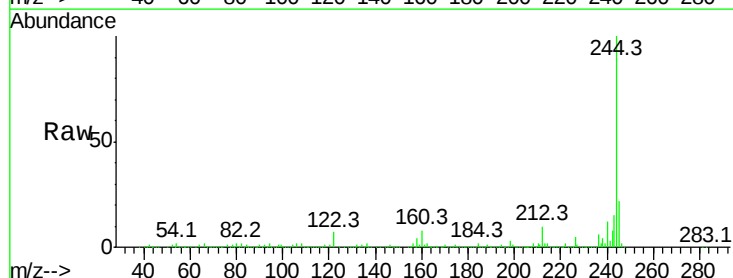
Tgt Ion:244 Resp: 1825018

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

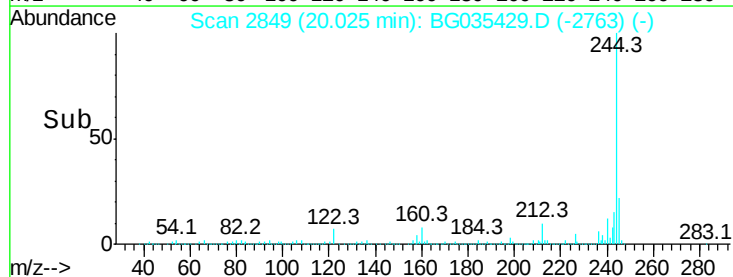
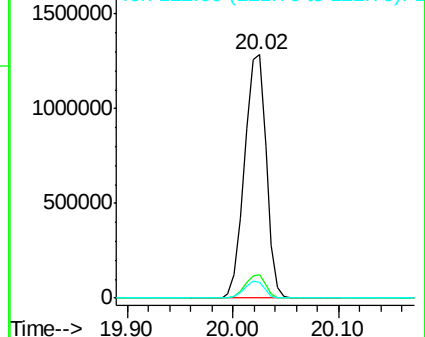
122 6.6 7.0 10.4#

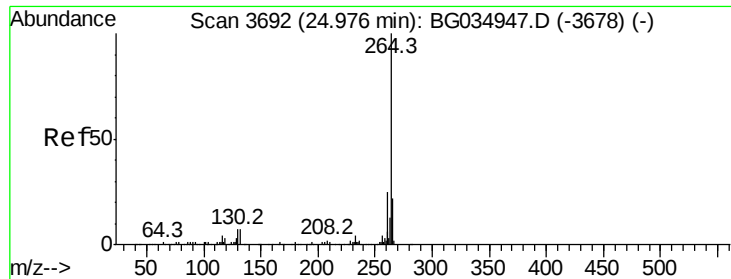


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

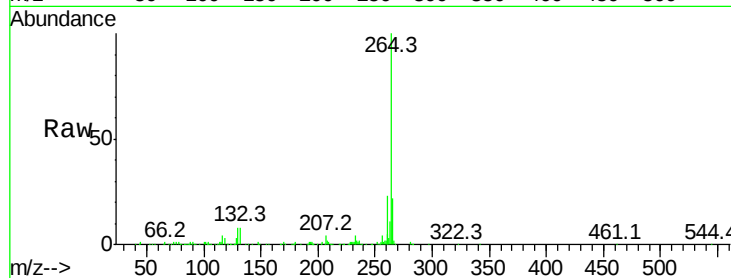




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.06 min
Lab File: BG035429.D
Acq: 27 Jun 2018 4:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.9	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

