

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036025.D
 Acq On : 1 Aug 2018 6:28
 Operator : JU/SJ
 Sample : J3825-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 07:11:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

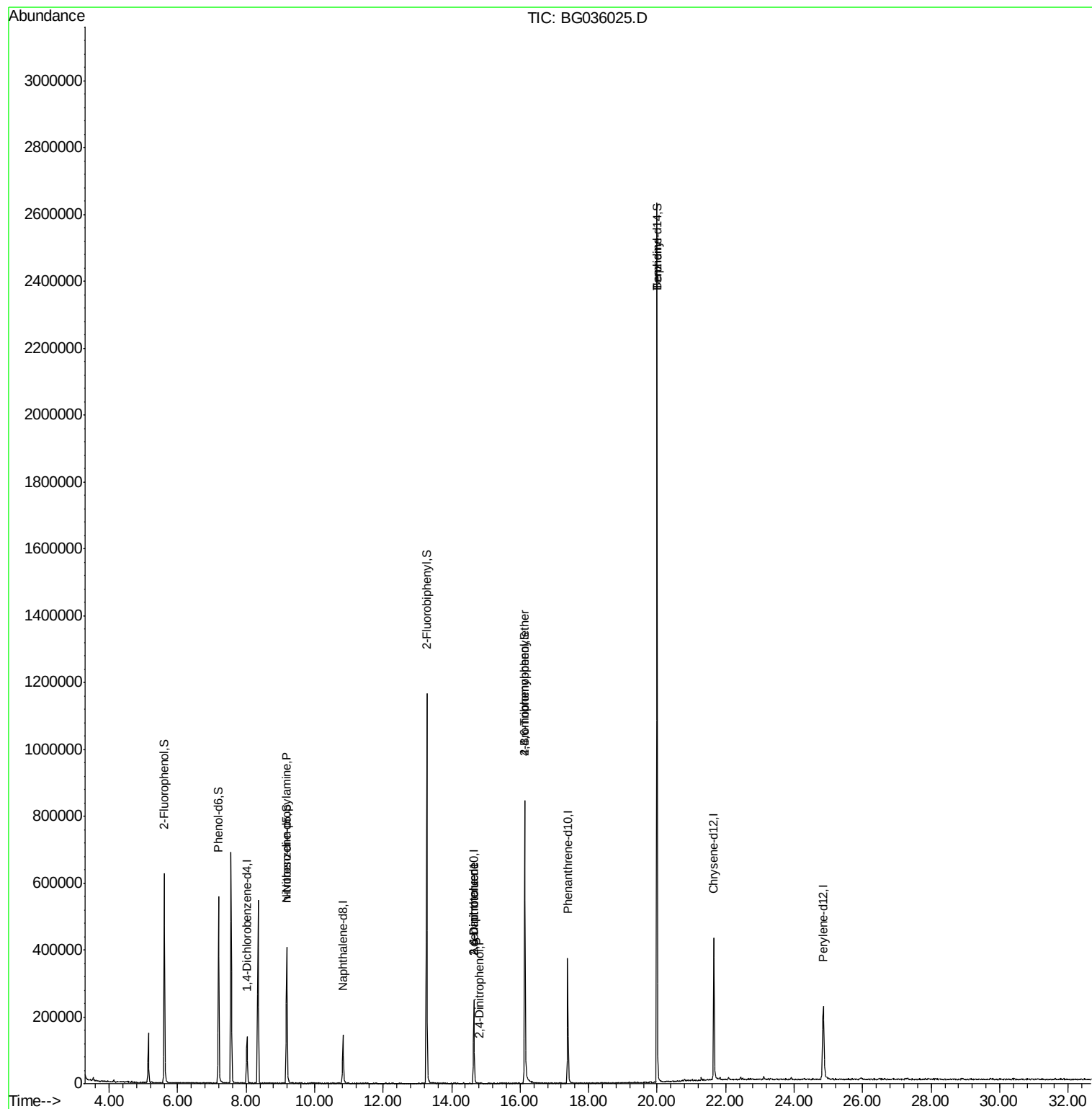
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	41639	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	140659	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	97286	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	271149	20.00	ng	0.00
75) Chrysene-d12	21.65	240	300976	20.00	ng	0.00
86) Perylene-d12	24.85	264	273213	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	281309	112.16	ng	0.00
7) Phenol-d6	7.19	99	353584	94.49	ng	0.00
23) Nitrobenzene-d5	9.18	82	293458	87.15	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	178586	139.27	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	667292	91.89	ng	0.00
78) Terphenyl-d14	20.00	244	1262794	92.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	39049	12.392	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	13593	7.831	ng	# 20
53) 2,4-Dinitrophenol	14.81	184	76	6.660	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	13593	5.459	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	13846	4.401	ng	# 1
76) Benzidine	20.00	184	21041	2.659	ng	# 91

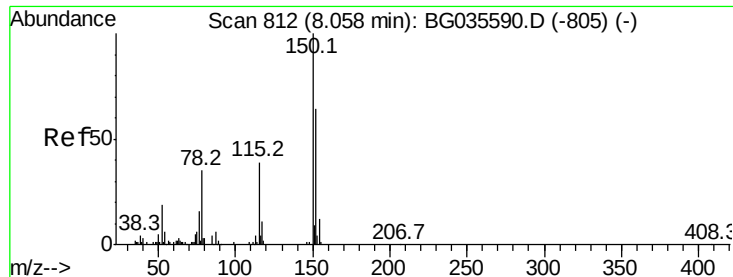
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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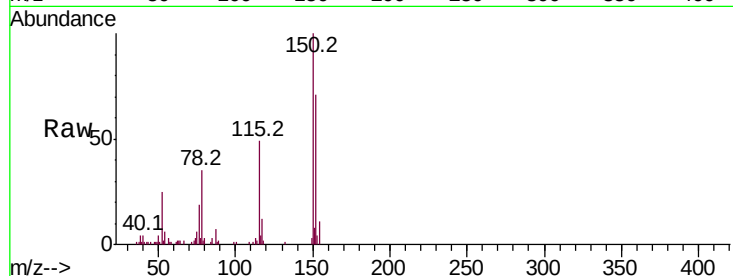


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.8	126.6	189.8
115	69.4	53.0	79.4

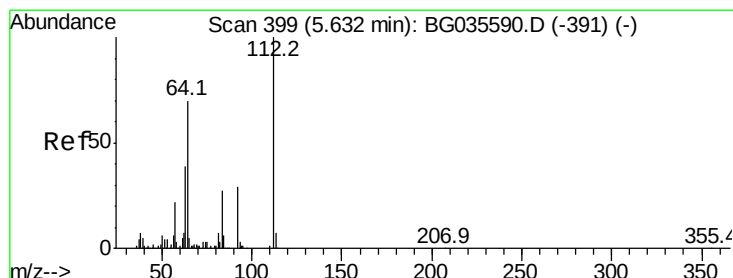
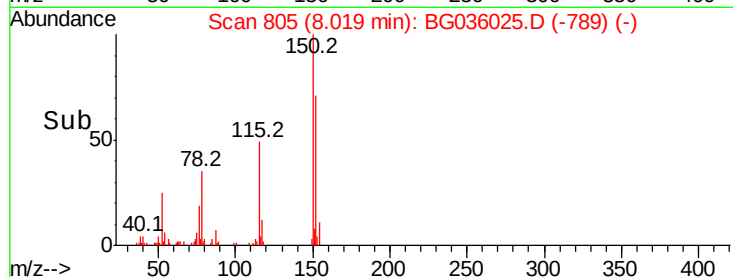
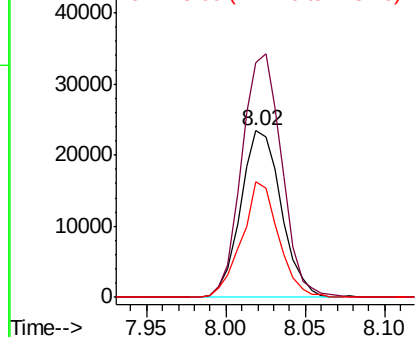


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

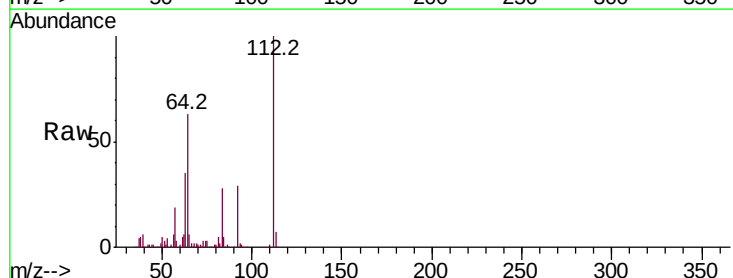
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 112.164 ng
 RT: 5.61 min Scan# 395
 Delta R.T. 0.01 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	56.3	84.5
63	35.5	30.1	45.1

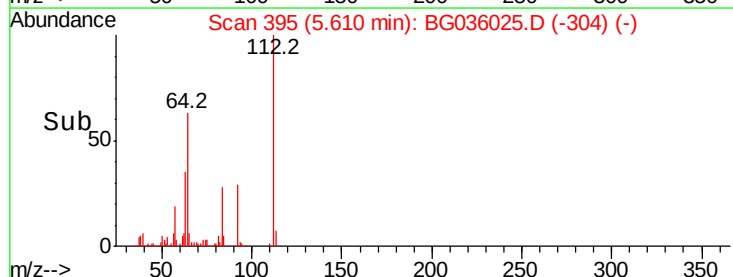
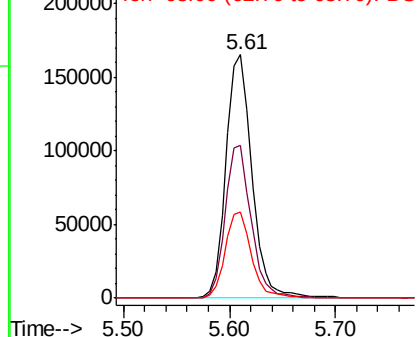


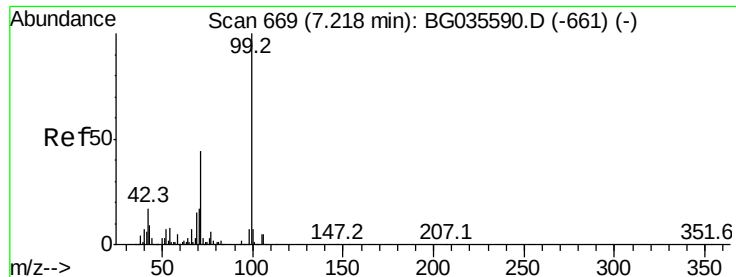
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 94.492 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

Instrument :

BNA_G

ClientSampleId :

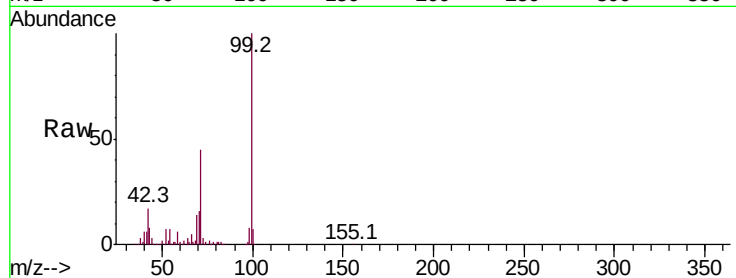
Tot Ion: 99 Resp: 353584

Ion Ratio Lower Upper

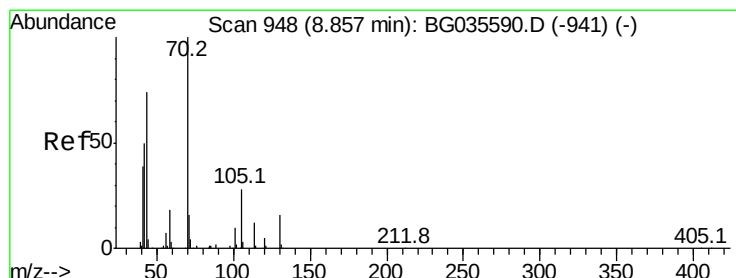
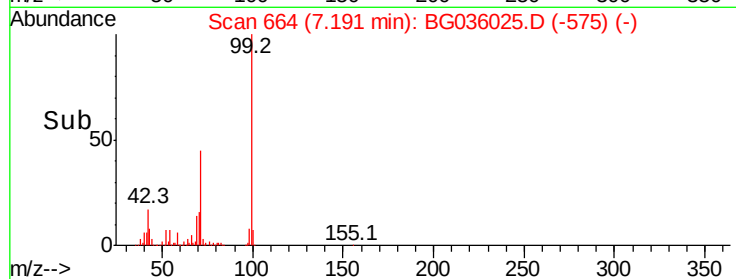
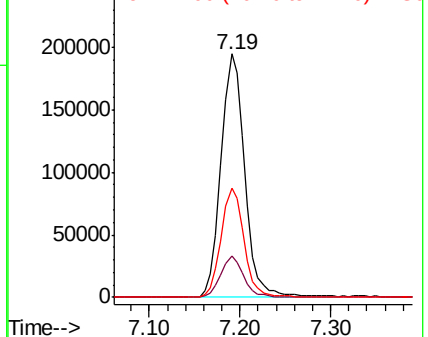
99 100

42 16.9 14.1 21.1

71 44.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.392 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

Tgt Ion: 70 Resp: 39049

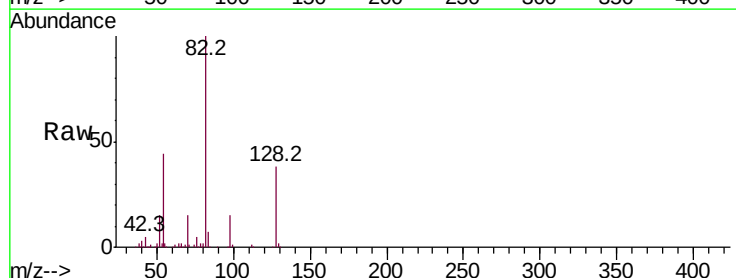
Ion Ratio Lower Upper

70 100

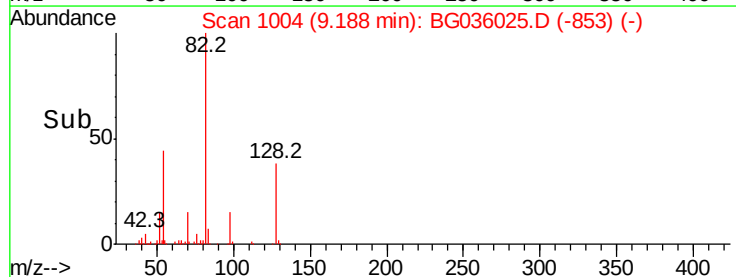
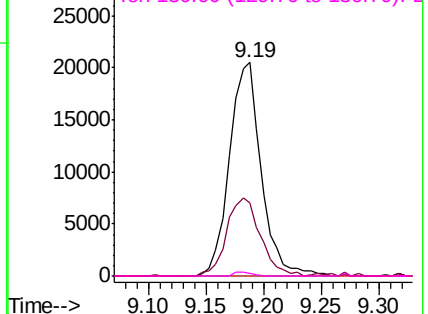
42 34.3 49.1 73.7#

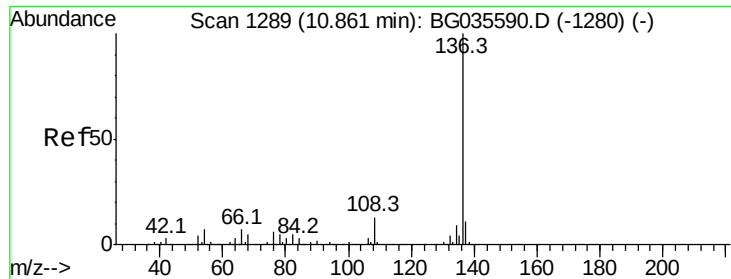
101 0.0 8.5 12.7#

130 1.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

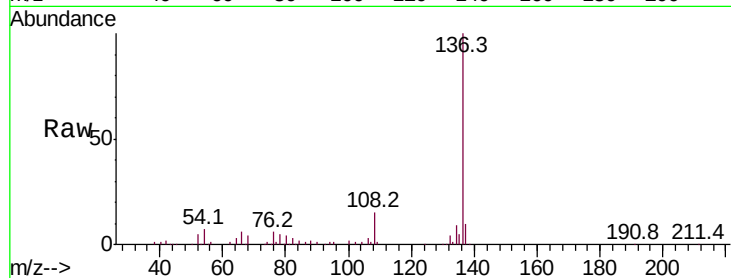




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036025.D
Acq: 1 Aug 2018 6:28

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	7.4	10.3	15.5#
68	4.5	4.5	6.7#



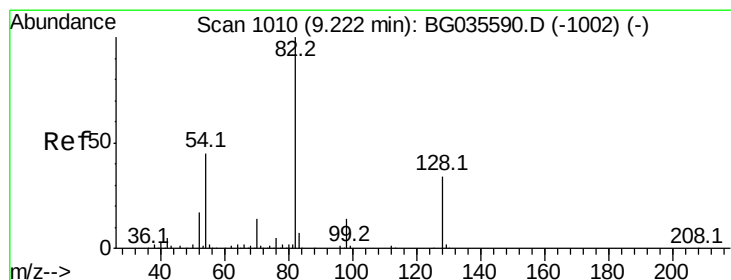
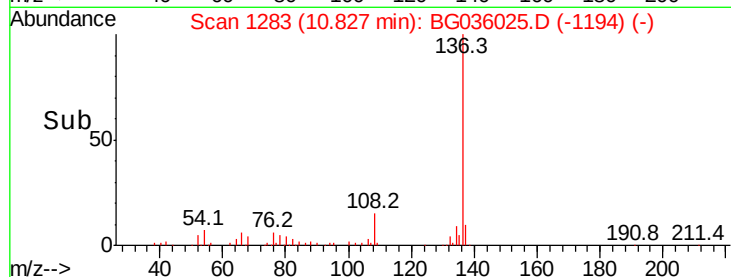
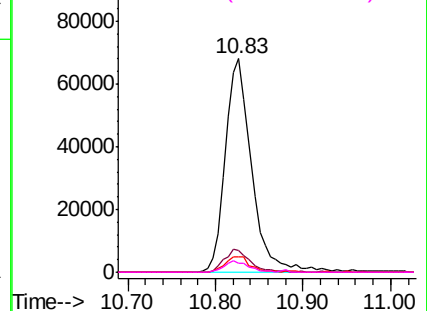
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

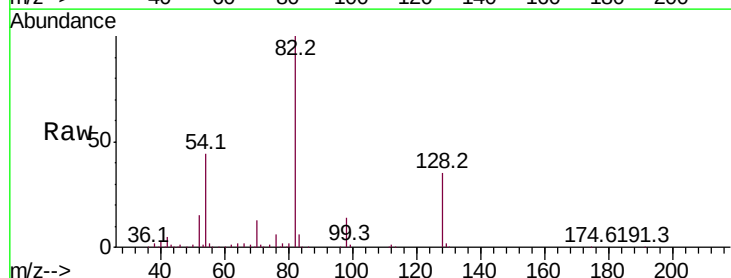
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23
Nitrobenzene-d5
Concen: 87.155 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036025.D
Acq: 1 Aug 2018 6:28

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	43.7	43.1	64.7

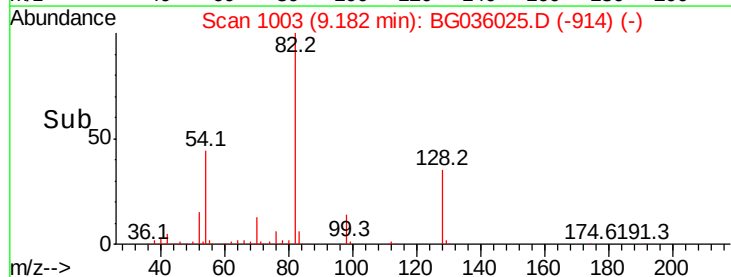
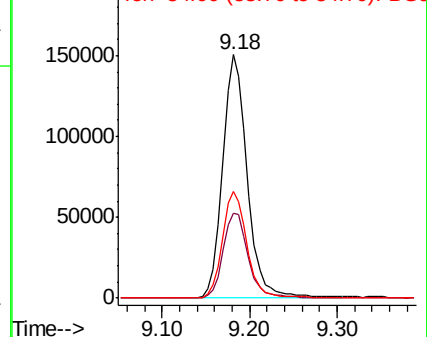


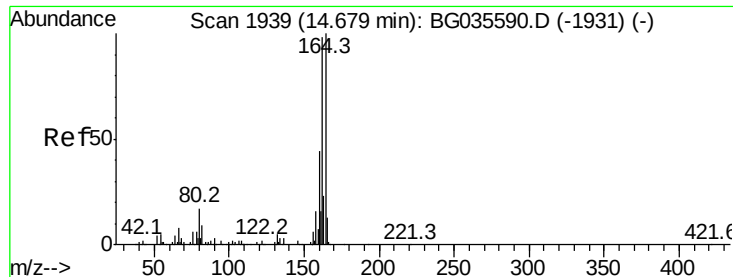
Abundance

Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

Instrument :

BNA_G

ClientSampleId :

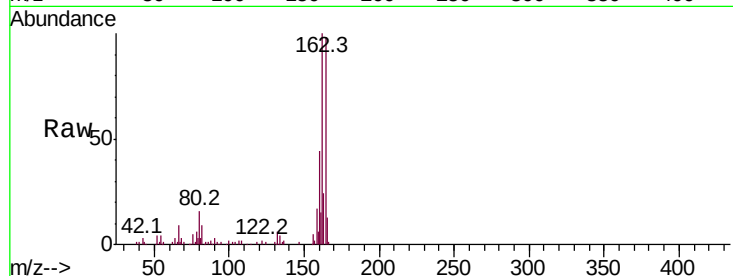
Tot Ion:164 Resp: 97286

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

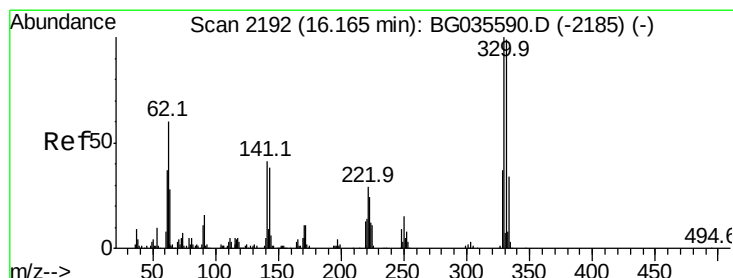
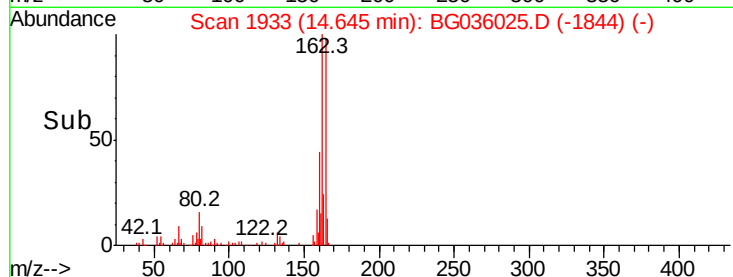
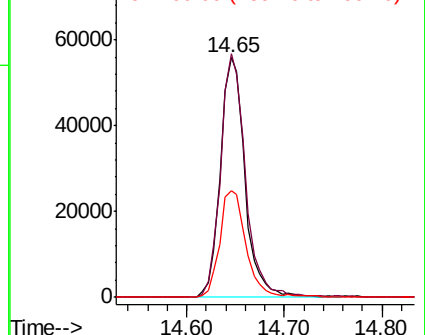
160 44.6 35.4 53.0



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: 139.271 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

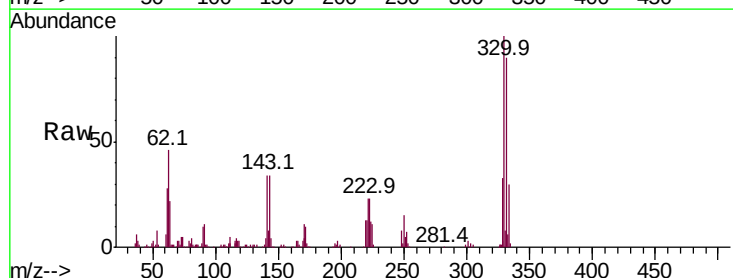
Tgt Ion:330 Resp: 178586

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

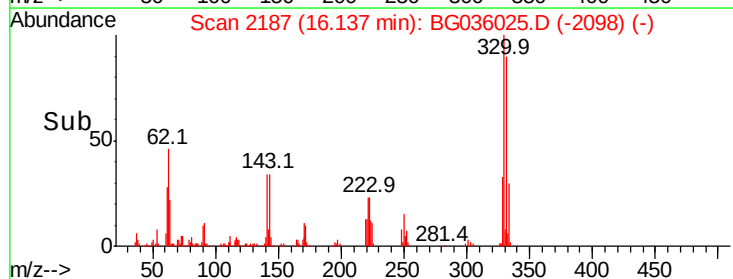
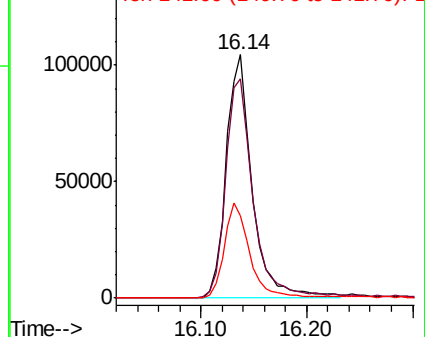
141 38.0 25.2 37.8#

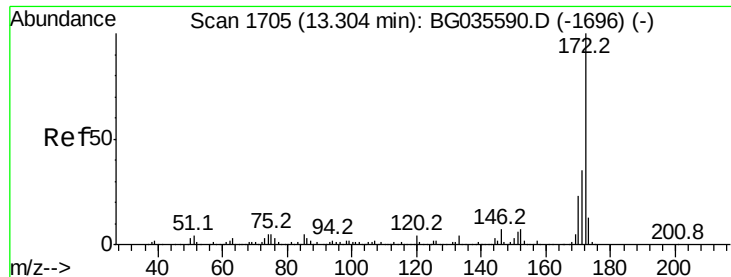


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

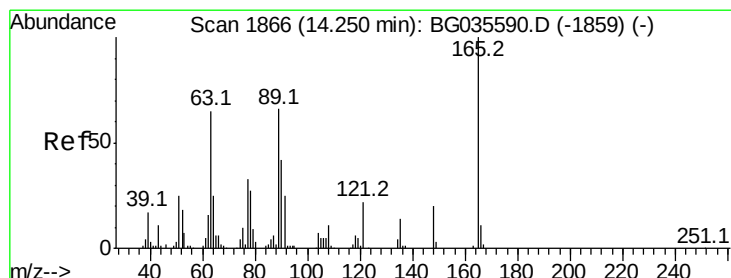
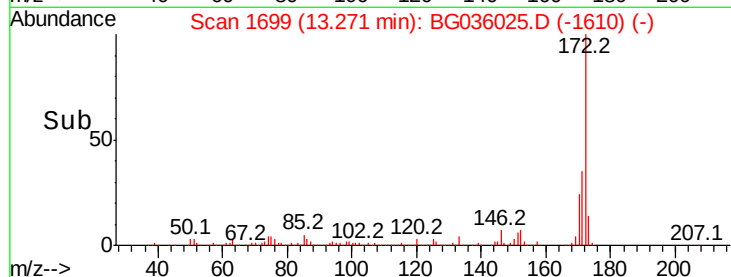
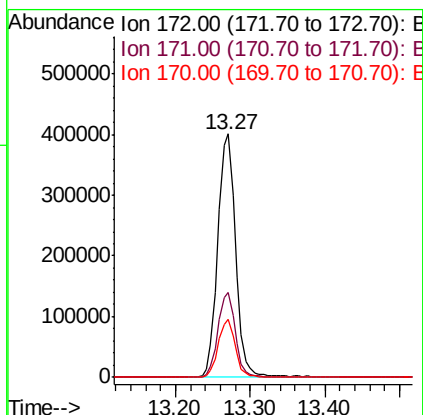
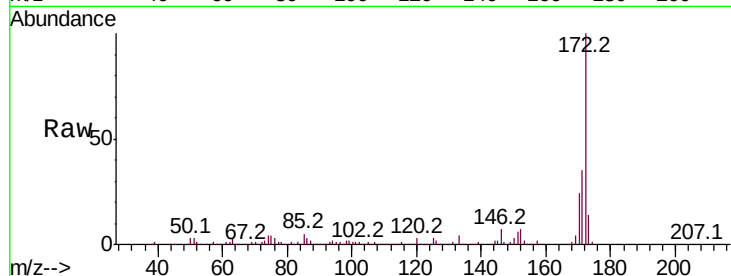




#44
 2-Fluorobiphenyl
 Concen: 91.894 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

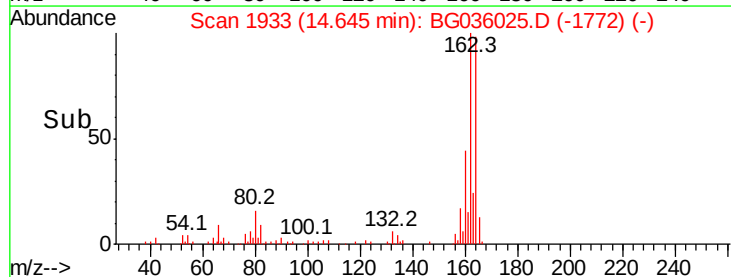
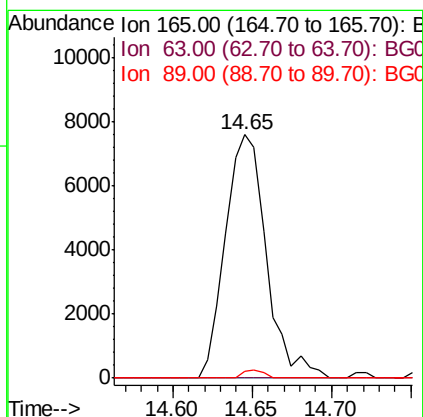
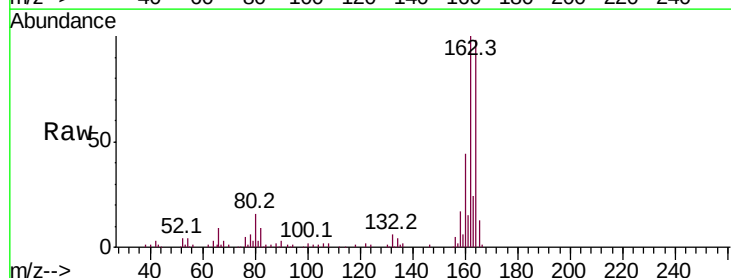
Instrument :
 BNA_G
 ClientSampleId :

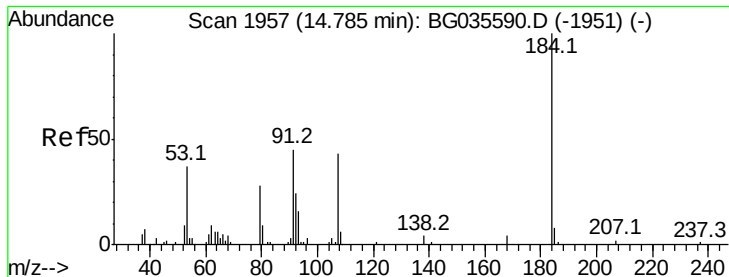
Tot Ion:172 Resp: 667292
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.831 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

Tgt Ion:165 Resp: 13593
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.6 49.2 73.8#

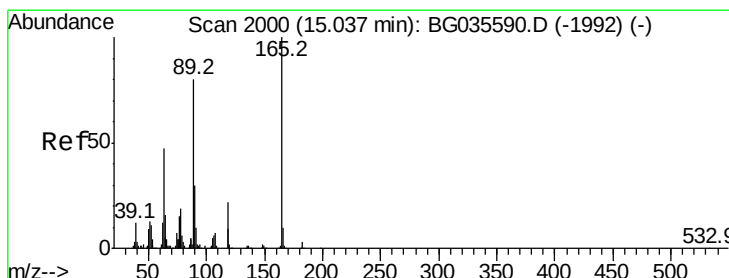
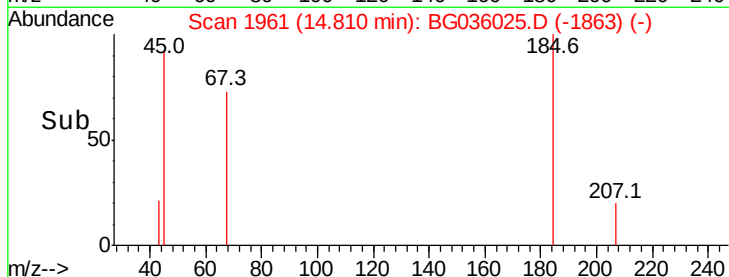
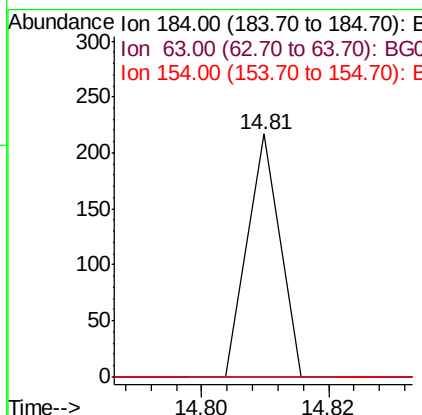
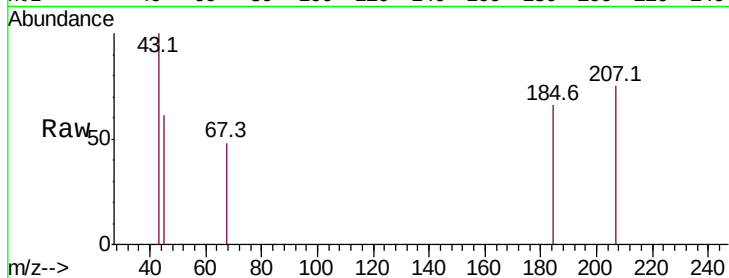




#53
 2,4-Dinitrophenol
 Concen: 6.660 ng
 RT: 14.81 min Scan# 1961
 Delta R.T. 0.05 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

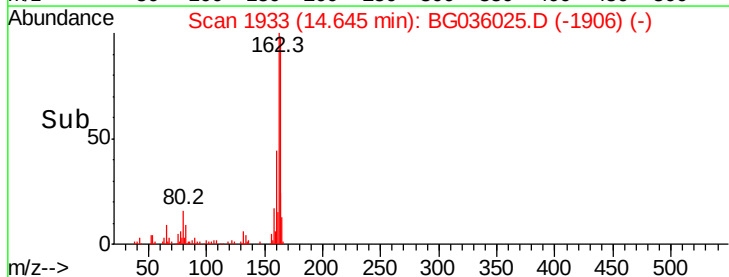
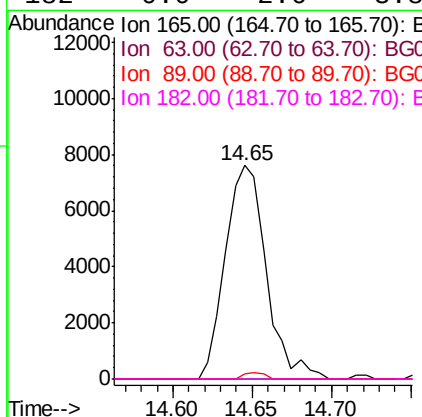
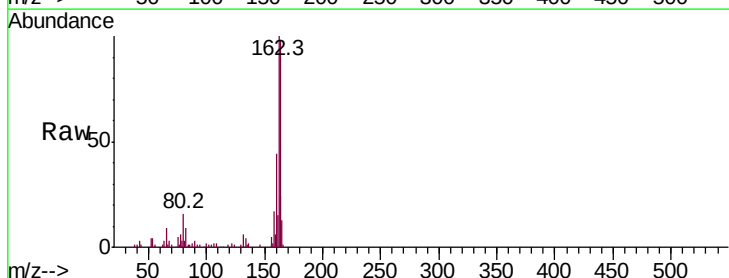
Instrument :
 BNA_G
 ClientSampleId :

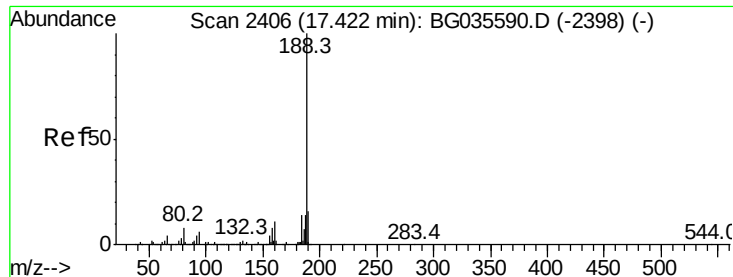
Tot Ion:184 Resp: 76
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.459 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

Tgt Ion:165 Resp: 13593
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#

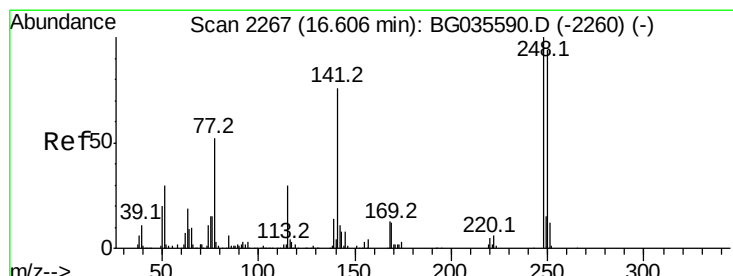
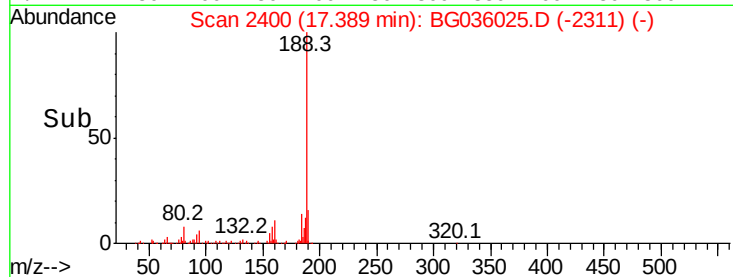
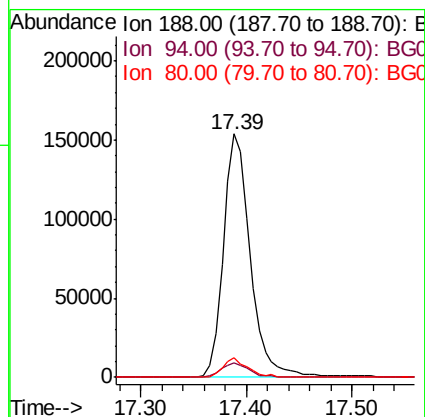
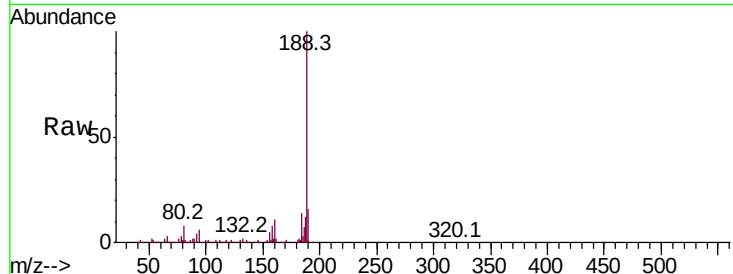




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.01 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

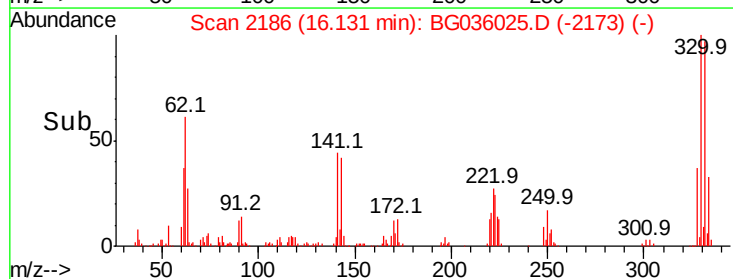
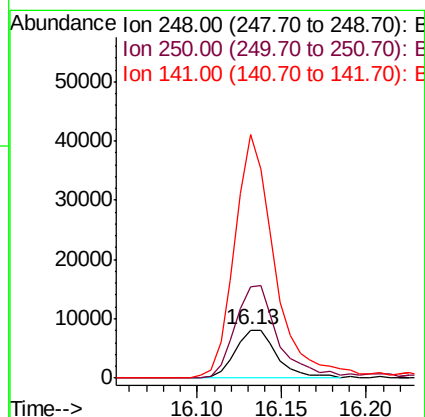
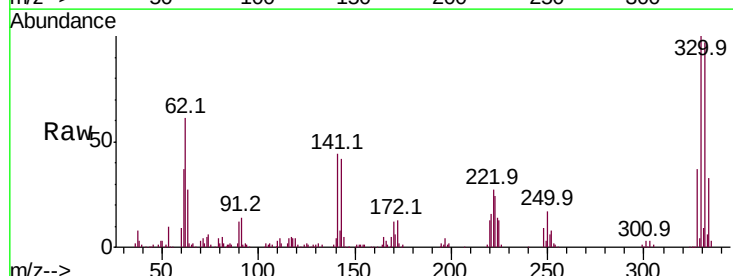
Instrument :
 BNA_G
 ClientSampleId :

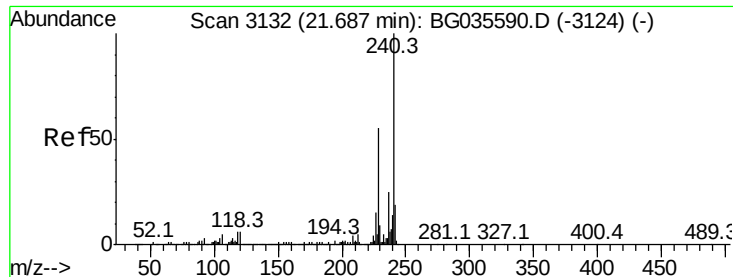
Tot Ion:188 Resp: 271149
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.9 10.3#
 80 8.1 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 4.401 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. -0.45 min
 Lab File: BG036025.D
 Acq: 1 Aug 2018 6:28

Tgt Ion:248 Resp: 13846
 Ion Ratio Lower Upper
 248 100
 250 191.6 77.1 115.7#
 141 509.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

Instrument :

BNA_G

ClientSampleId :

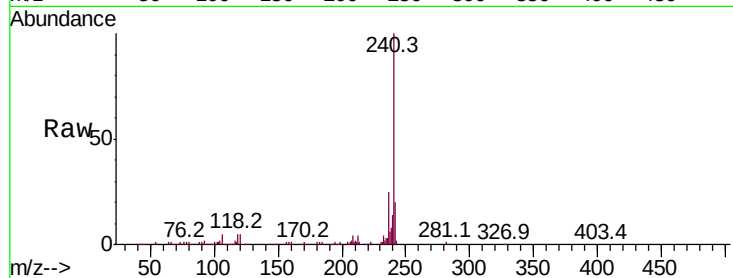
Tot Ion:240 Resp: 300976

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

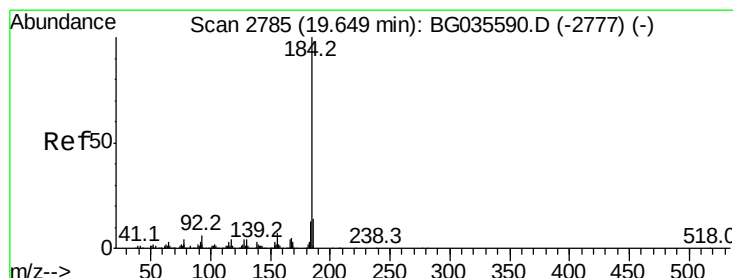
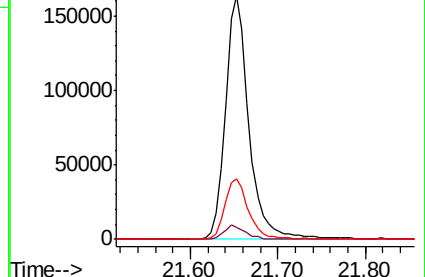
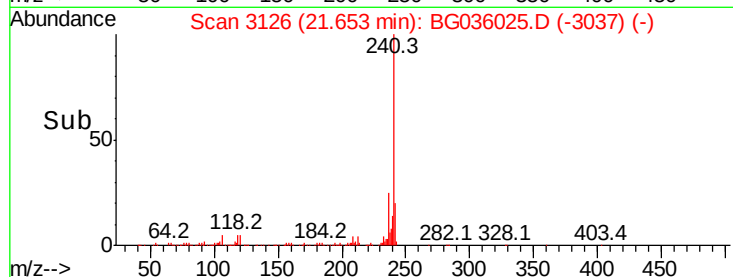
236 24.8 20.9 31.3



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: 2.659 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

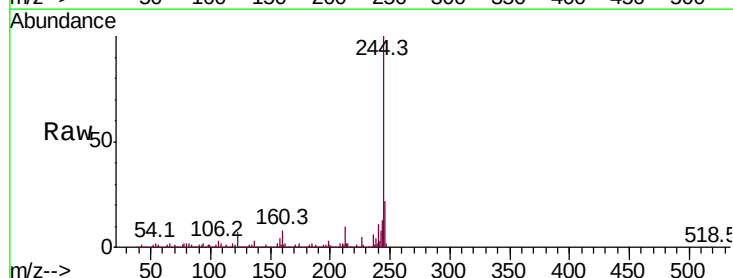
Tgt Ion:184 Resp: 21041

Ion Ratio Lower Upper

184 100

185 11.4 11.1 16.7

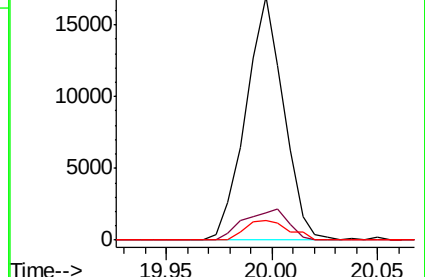
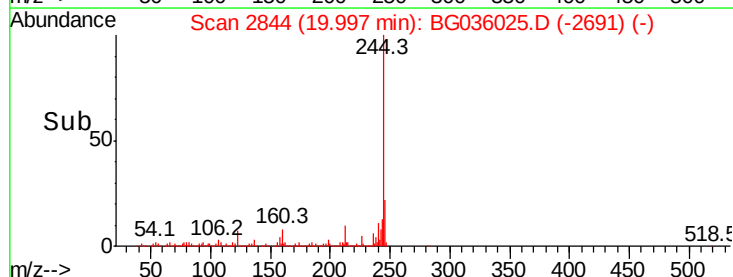
183 8.1 10.6 16.0#

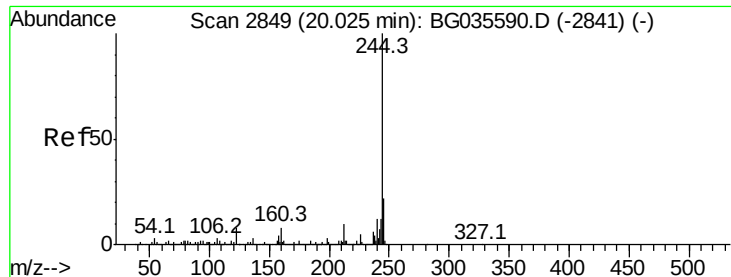


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.485 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

Instrument :

BNA_G

ClientSampleId :

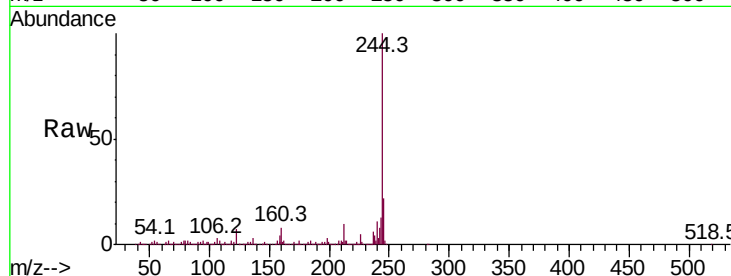
Tot Ion:244 Resp: 1262794

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

122 6.8 7.0 10.4#

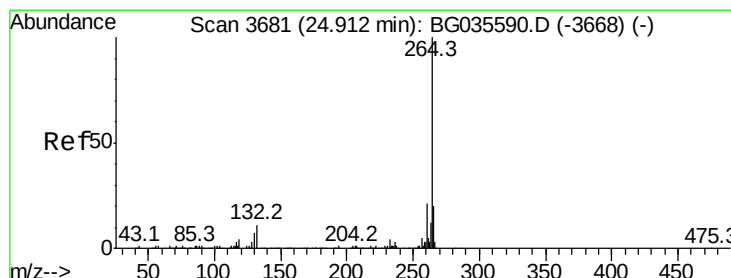
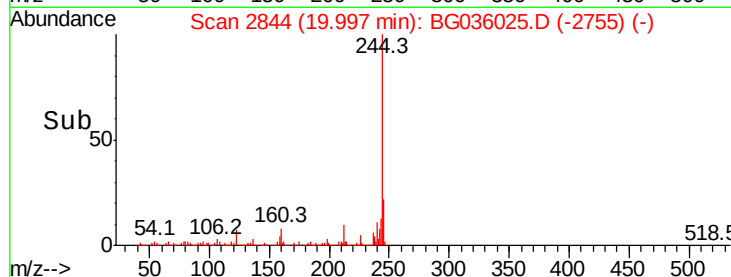
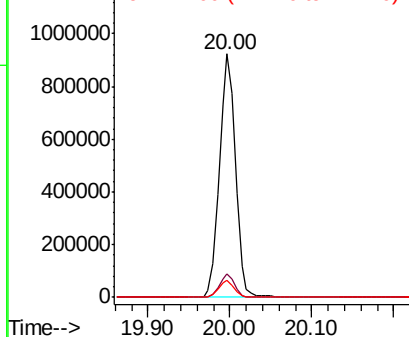


Abundance

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: 24.85 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG036025.D

Acq: 1 Aug 2018 6:28

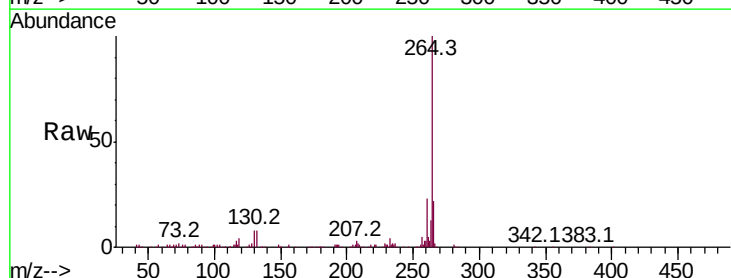
Tgt Ion:264 Resp: 273213

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.2 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

