

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035771.D
 Acq On : 20 Jul 2018 5:13
 Operator : JU/SJ
 Sample : J4054-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 161-TP-1

Quant Time: Jul 20 05:53:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

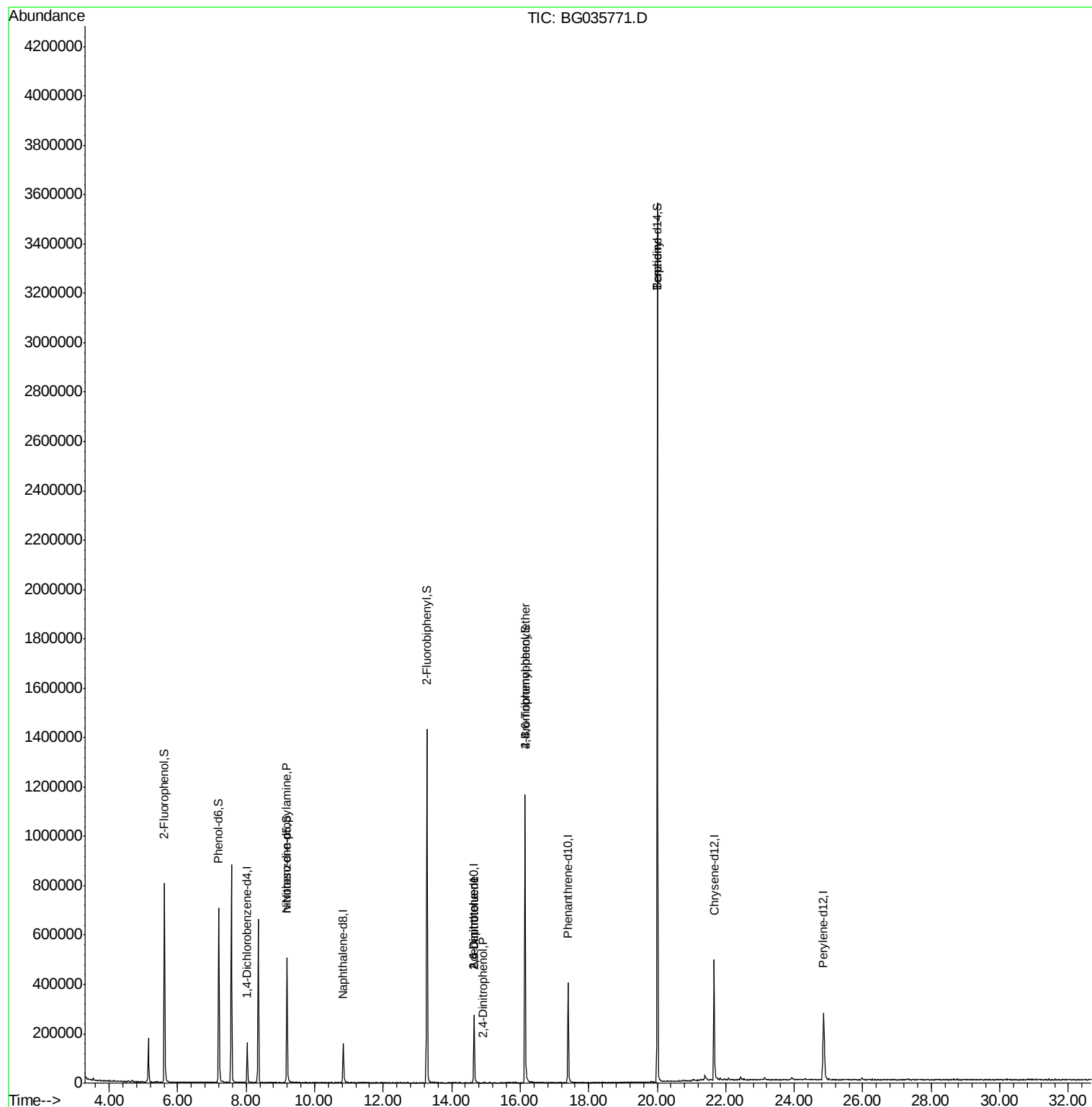
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46708	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	158844	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	103729	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	287689	20.00	ng	0.00
75) Chrysene-d12	21.66	240	345068	20.00	ng	-0.01
86) Perylene-d12	24.86	264	320136	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	362115	128.71	ng	0.00
7) Phenol-d6	7.20	99	437039	104.12	ng	0.00
23) Nitrobenzene-d5	9.19	82	362755	95.40	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	222132	162.47	ng	-0.01
44) 2-Fluorobiphenyl	13.28	172	805790	104.07	ng	0.00
78) Terphenyl-d14	20.00	244	1687644	107.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	49659	14.049	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	14124	7.632	ng	# 20
53) 2,4-Dinitrophenol	14.90	184	64	6.644	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	14124	5.320	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	18103	5.424	ng	# 1
76) Benzidine	20.00	184	29811	3.286	ng	# 90

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

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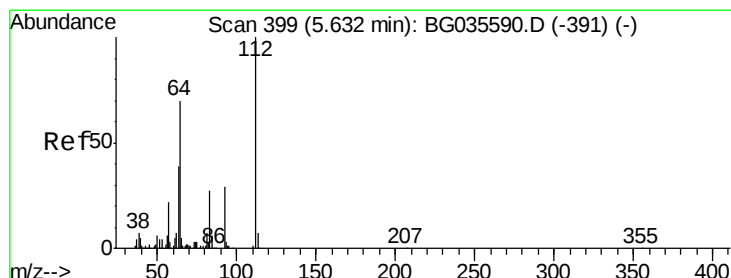
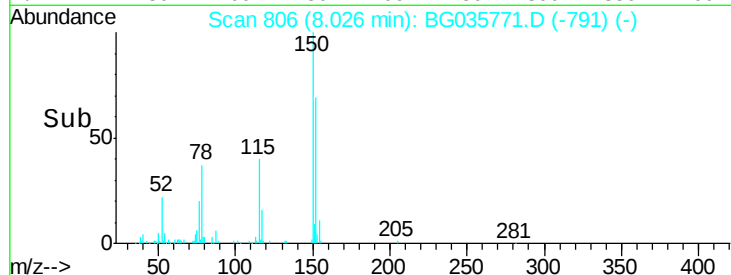
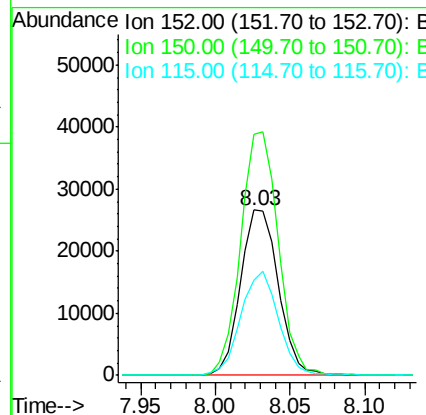
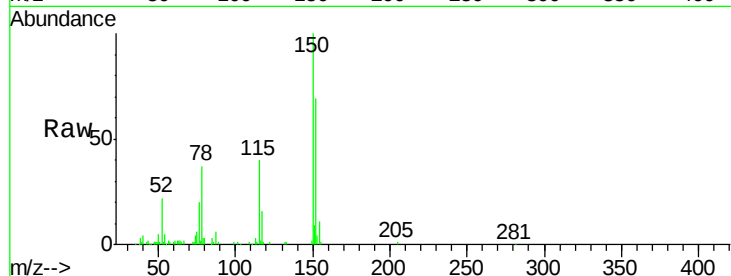


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. -0.01 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

Instrument :
BNA_G
ClientSampleId :
161-TP-1

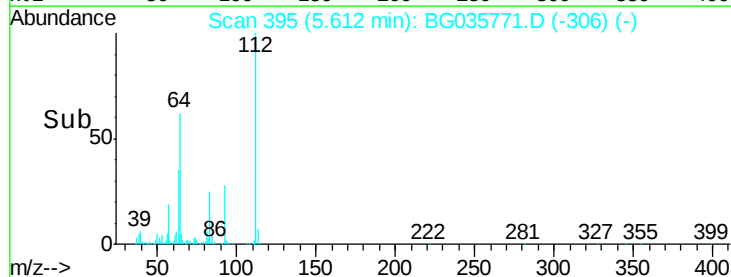
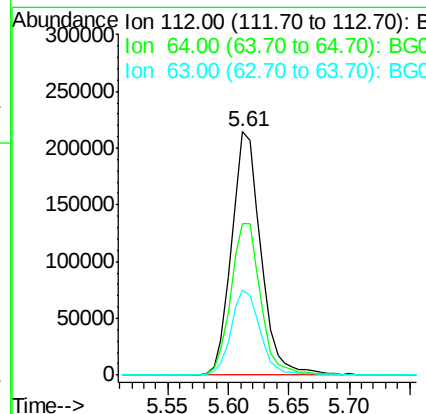
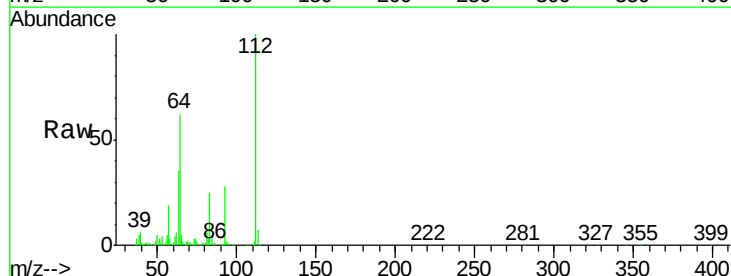
Tgt Ion:152 Resp: 46708
Ion Ratio Lower Upper
152 100
150 145.7 126.6 189.8
115 57.9 53.0 79.4

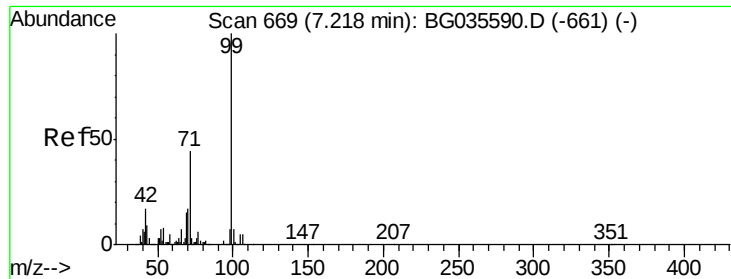


#5

2-Fluorophenol
Concen: 128.714 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

Tgt Ion:112 Resp: 362115
Ion Ratio Lower Upper
112 100
64 62.1 56.3 84.5
63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 104.120 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

Instrument :

BNA_G

ClientSampleId :

161-TP-1

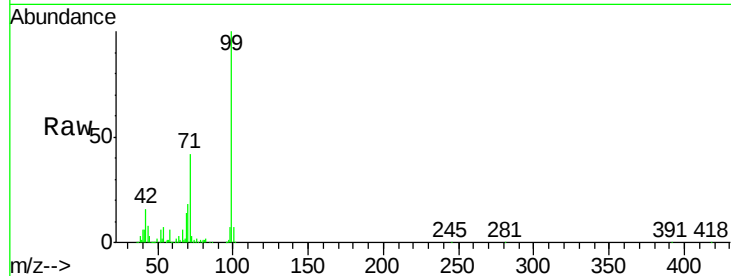
Tgt Ion: 99 Resp: 437039

Ion Ratio Lower Upper

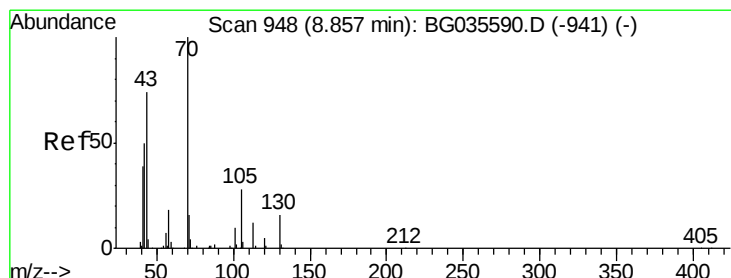
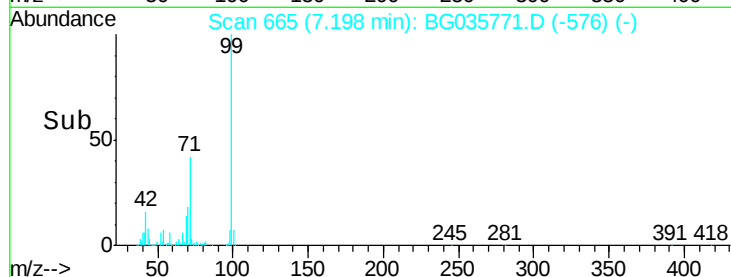
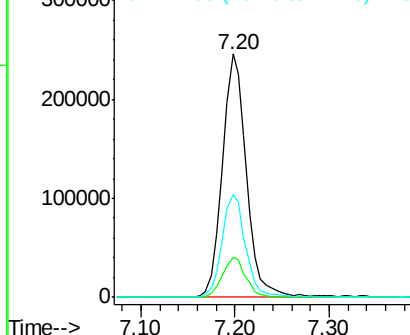
99 100

42 16.3 14.1 21.1

71 42.2 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: 14.049 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.35 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

Tgt Ion: 70 Resp: 49659

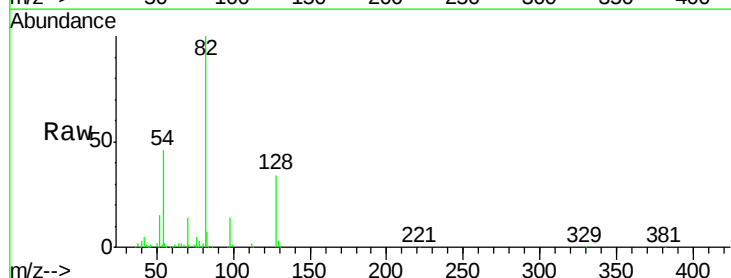
Ion Ratio Lower Upper

70 100

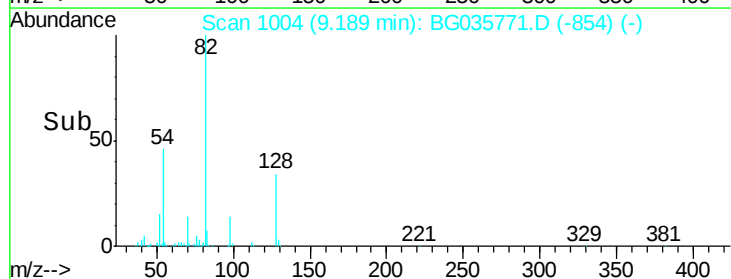
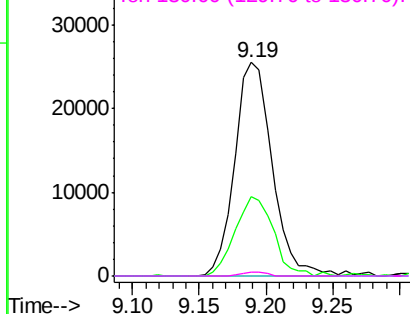
42 37.2 49.1 73.7#

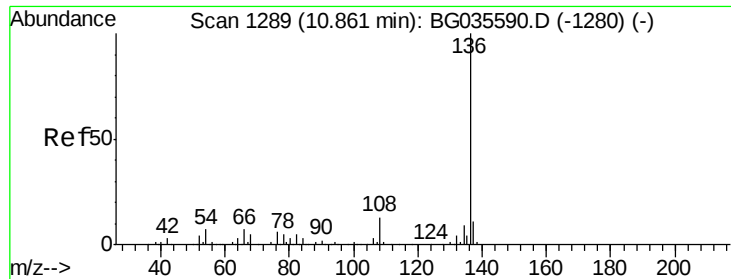
101 0.0 8.5 12.7#

130 2.1 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

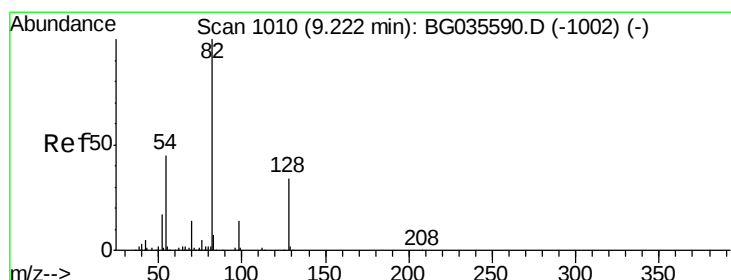
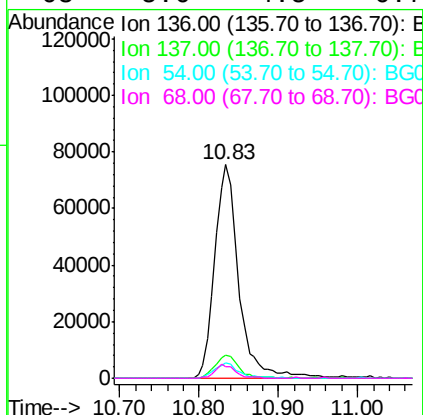
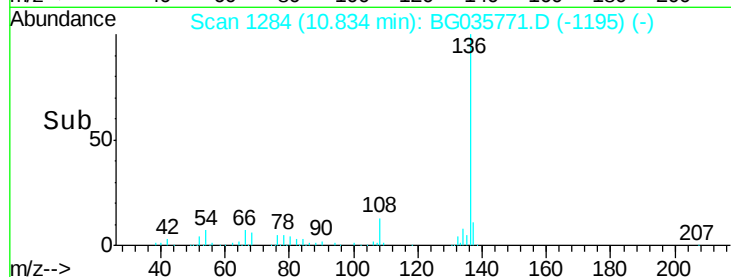
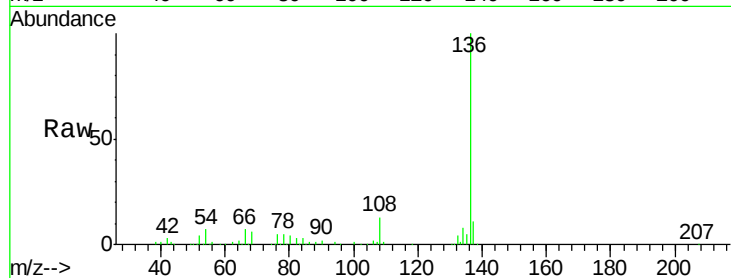




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

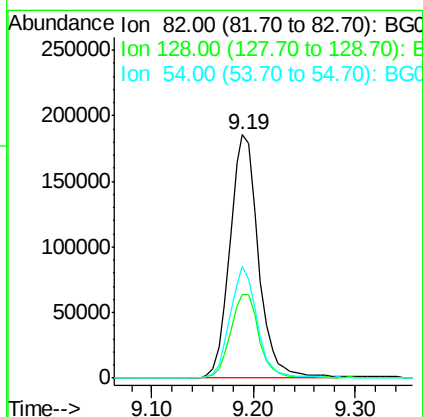
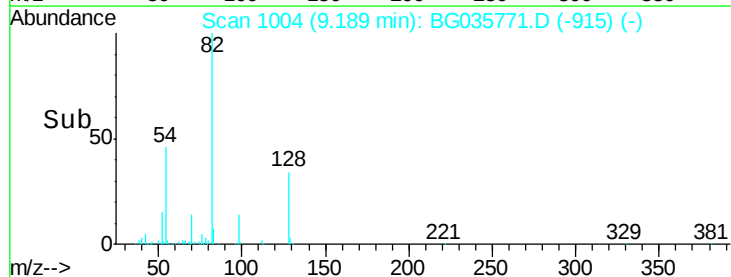
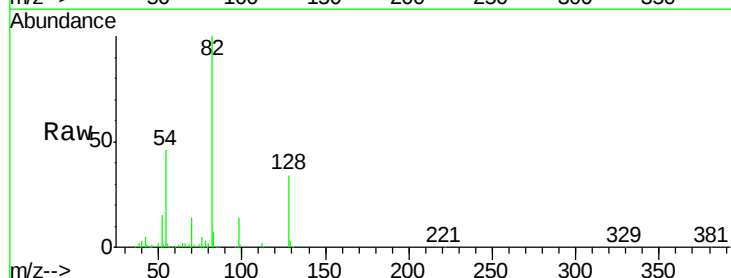
Instrument :
BNA_G
ClientSampleId :
161-TP-1

Tgt Ion:	136	Resp:	158844
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.1	10.3	15.5#
68	5.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 95.402 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

Tgt Ion:	82	Resp:	362755
Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	45.9	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

Instrument :

BNA_G

ClientSampleId :

161-TP-1

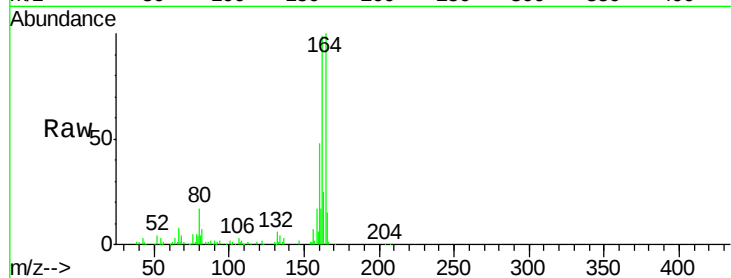
Tgt Ion:164 Resp: 103729

Ion Ratio Lower Upper

164 100

162 99.3 78.8 118.2

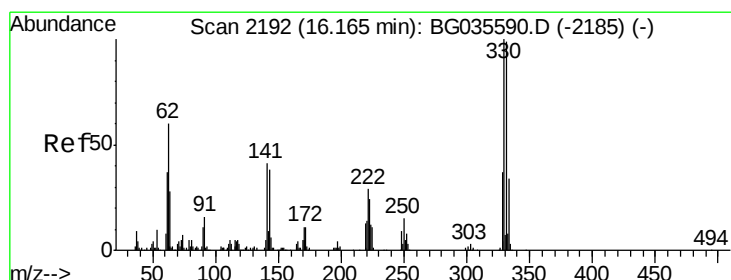
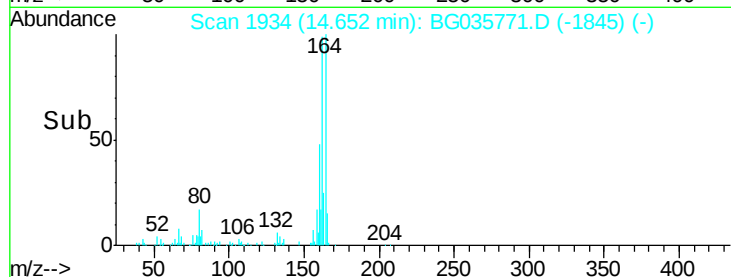
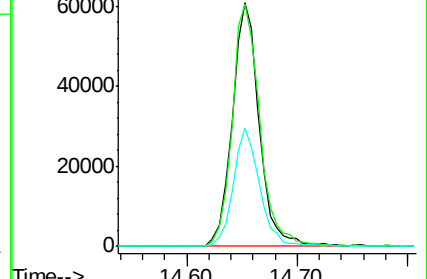
160 48.3 35.4 53.0



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: 162.470 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

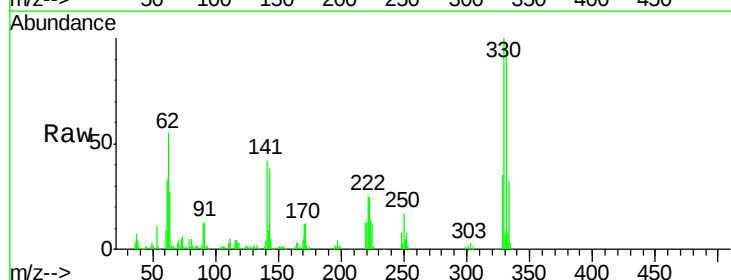
Tgt Ion:330 Resp: 222132

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

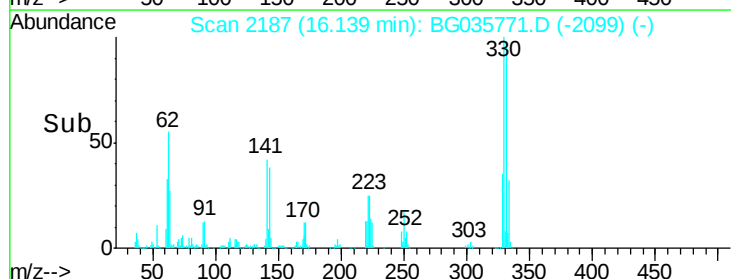
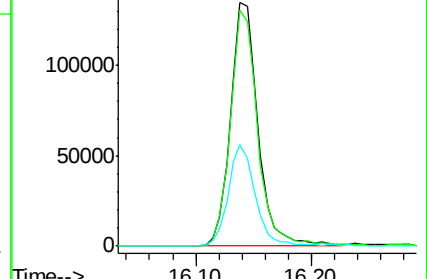
141 40.4 25.2 37.8#

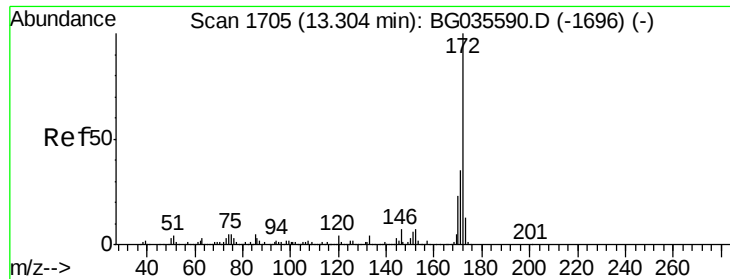


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

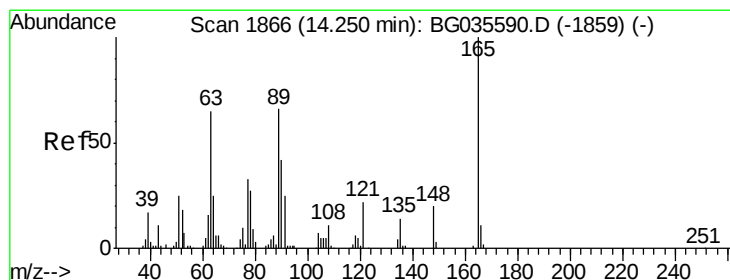
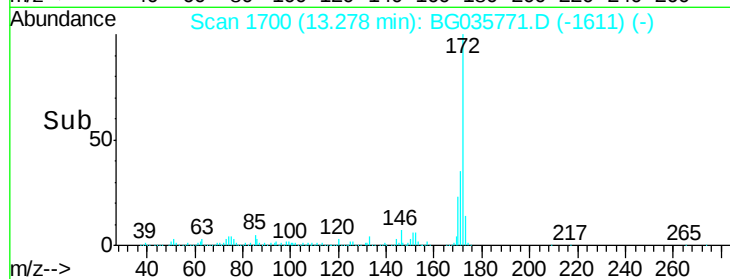
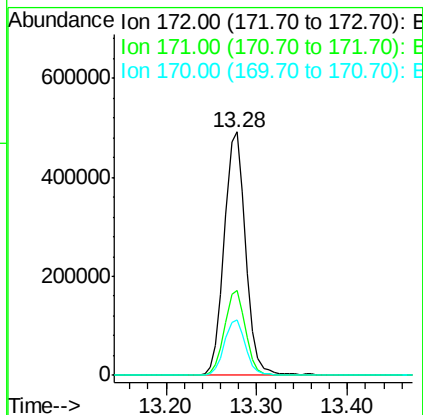
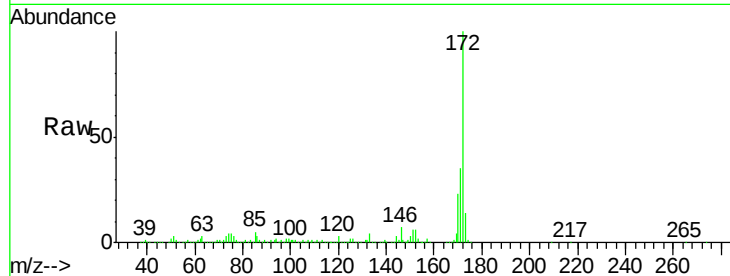




#44
 2-Fluorobiphenyl
 Concen: 104.074 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035771.D
 Acq: 20 Jul 2018 5:13

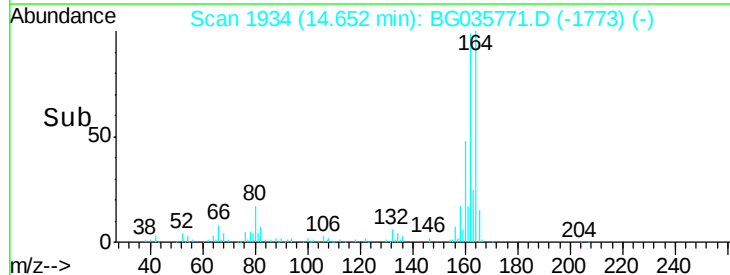
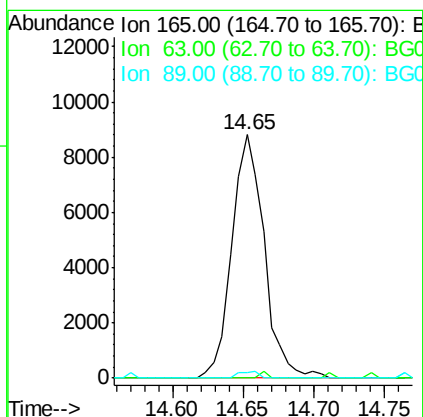
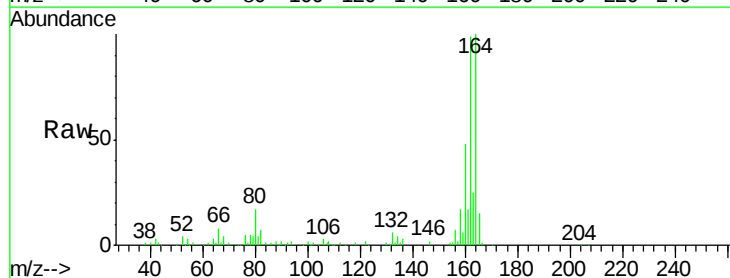
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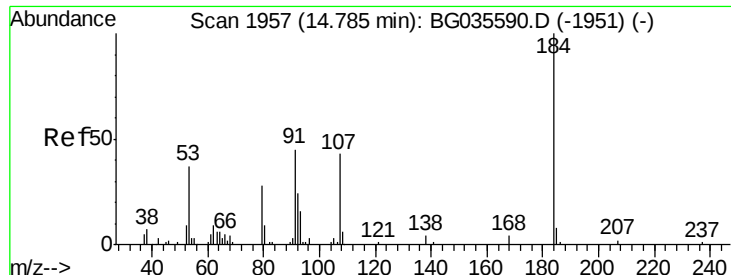
Tgt Ion:172 Resp: 805790
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.632 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG035771.D
 Acq: 20 Jul 2018 5:13

Tgt Ion:165 Resp: 14124
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#

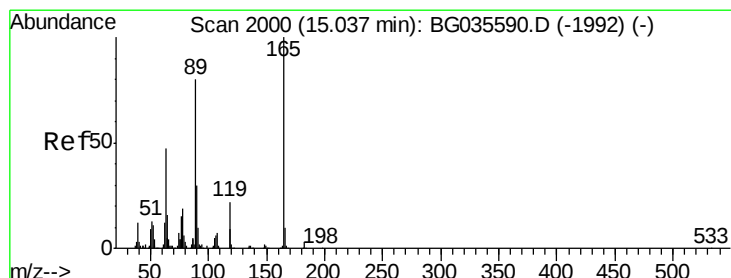
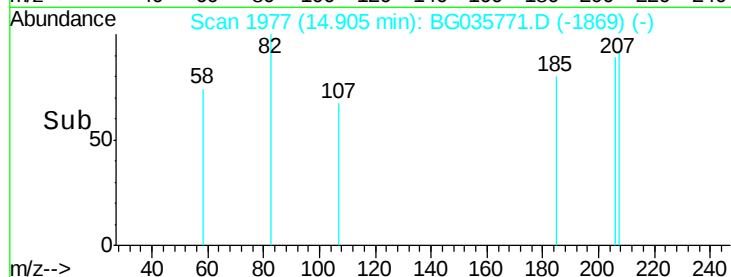
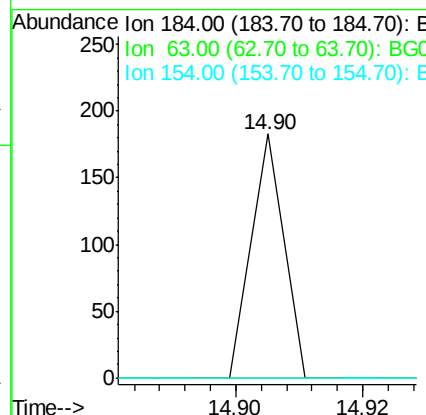
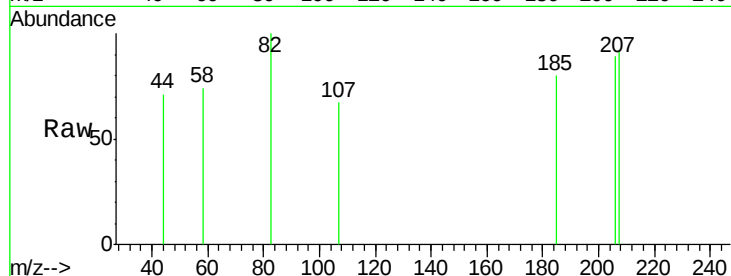




#53
 2,4-Dinitrophenol
 Concen: 6.644 ng
 RT: 14.90 min Scan# 1977
 Delta R.T. 0.10 min
 Lab File: BG035771.D
 Acq: 20 Jul 2018 5:13

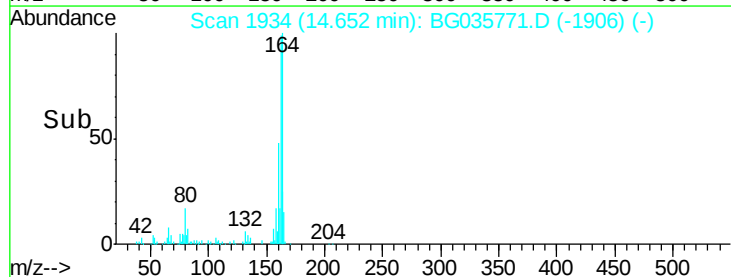
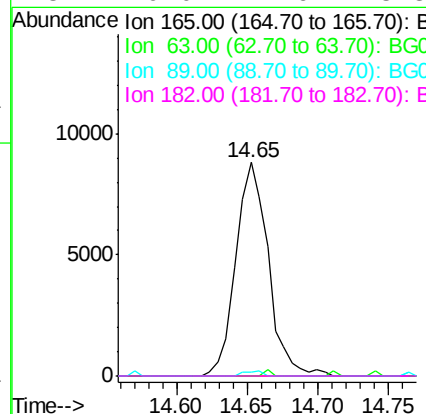
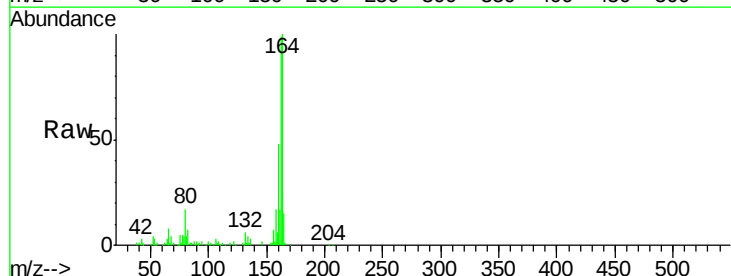
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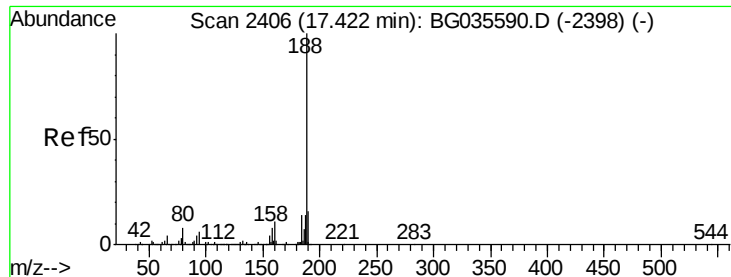
Tgt Ion:184 Resp: 64
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.320 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.37 min
 Lab File: BG035771.D
 Acq: 20 Jul 2018 5:13

Tgt Ion:165 Resp: 14124
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#

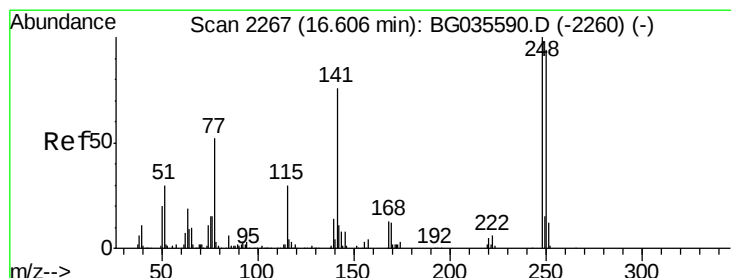
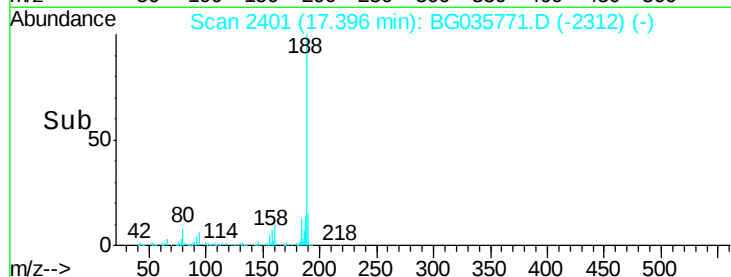
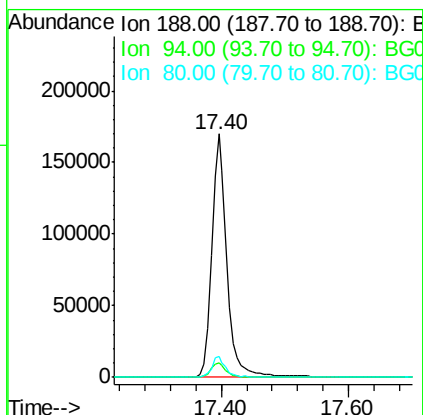
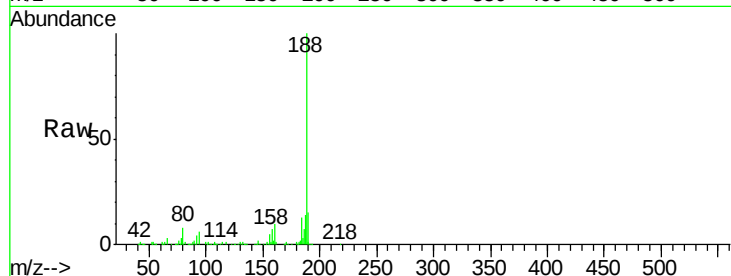




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

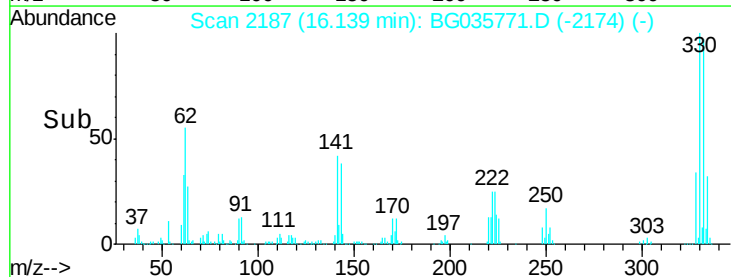
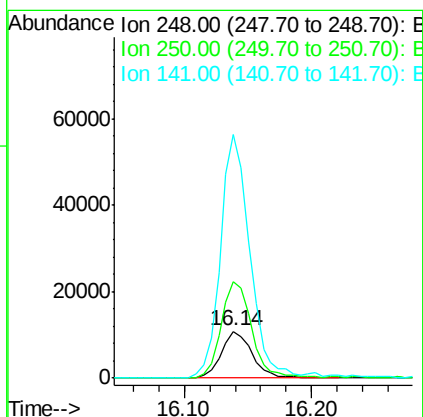
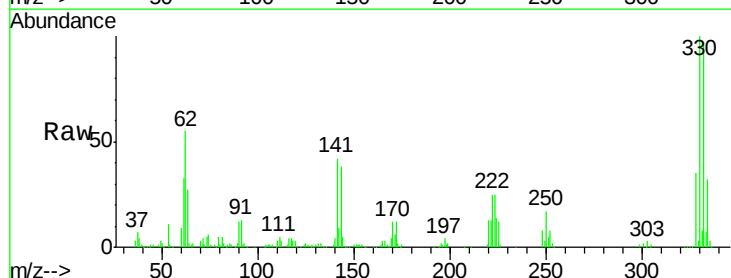
Instrument :
BNA_G
ClientSampleId :
161-TP-1

Tgt Ion:188 Resp: 287689
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.3 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 5.424 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035771.D
Acq: 20 Jul 2018 5:13

Tgt Ion:248 Resp: 18103
Ion Ratio Lower Upper
248 100
250 204.5 77.1 115.7#
141 517.4 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

Instrument :

BNA_G

ClientSampleId :

161-TP-1

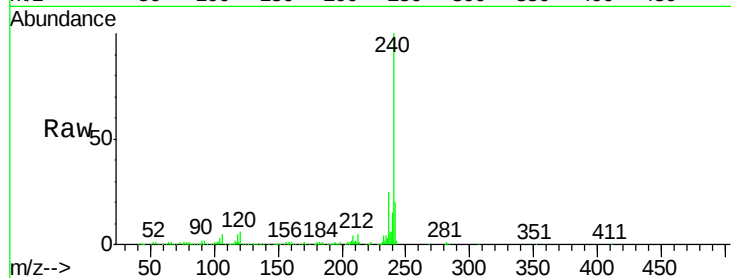
Tgt Ion:240 Resp: 345068

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

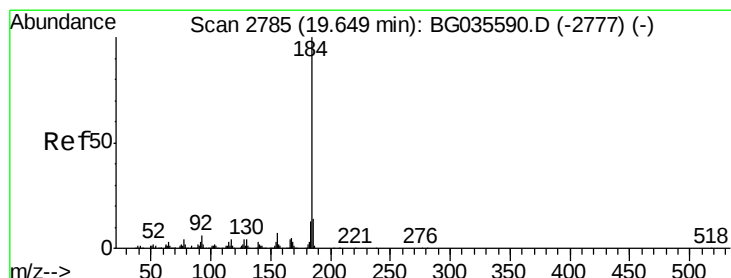
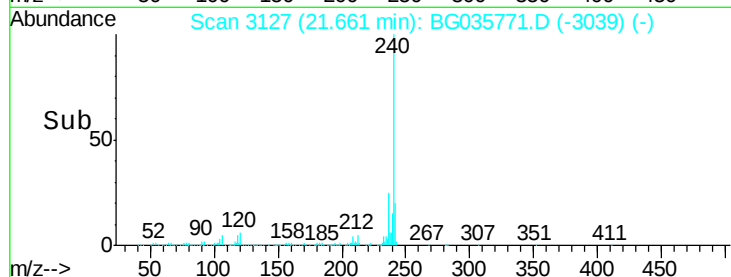
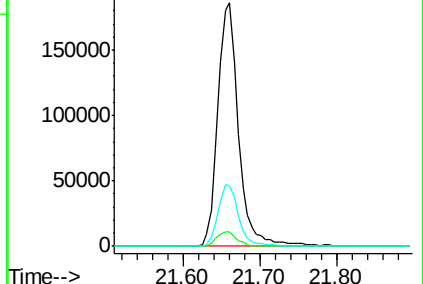
236 25.1 20.9 31.3



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: 3.286 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

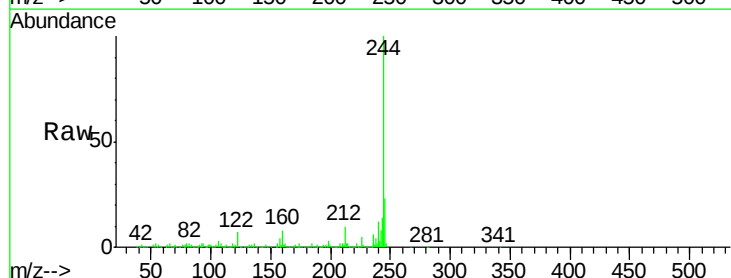
Tgt Ion:184 Resp: 29811

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

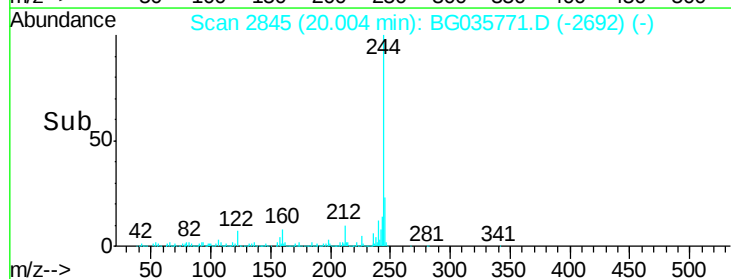
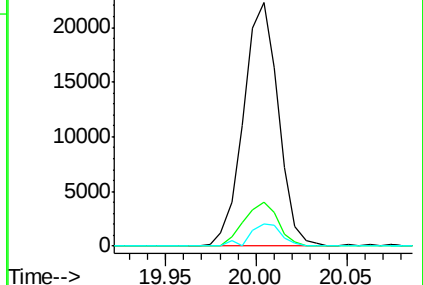
183 9.4 10.6 16.0#

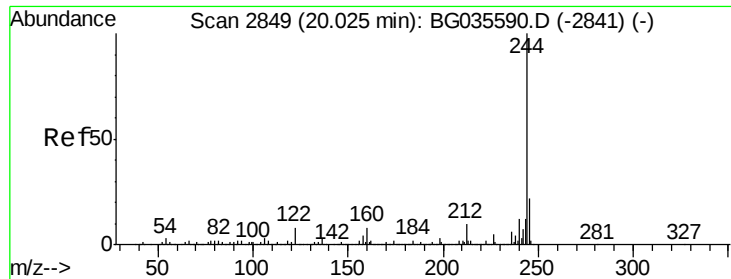


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.807 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

Instrument :

BNA_G

ClientSampleId :

161-TP-1

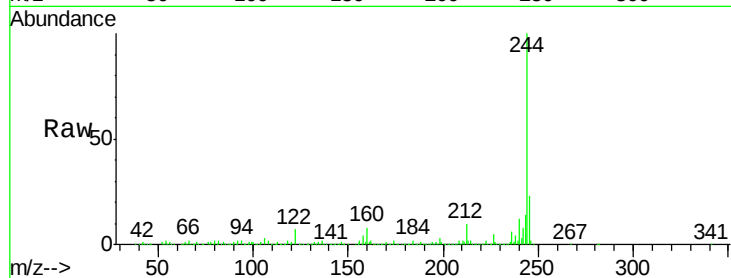
Tgt Ion:244 Resp: 1687644

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

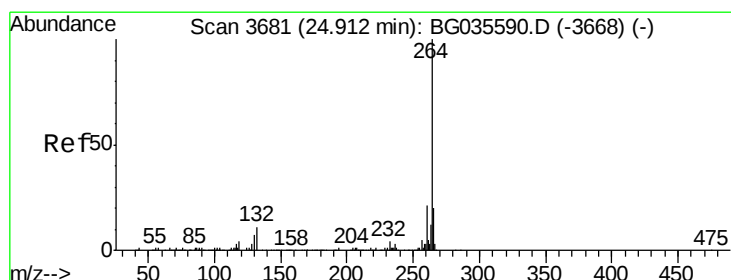
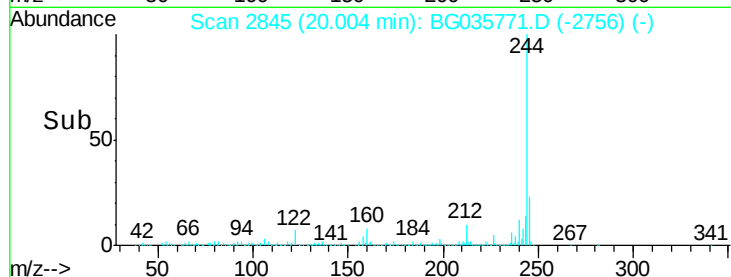
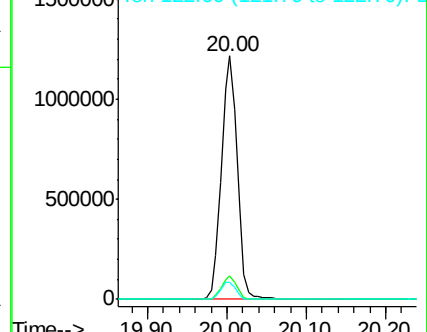
122 7.2 7.0 10.4



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: 24.86 min Scan# 3671

Delta R.T. -0.03 min

Lab File: BG035771.D

Acq: 20 Jul 2018 5:13

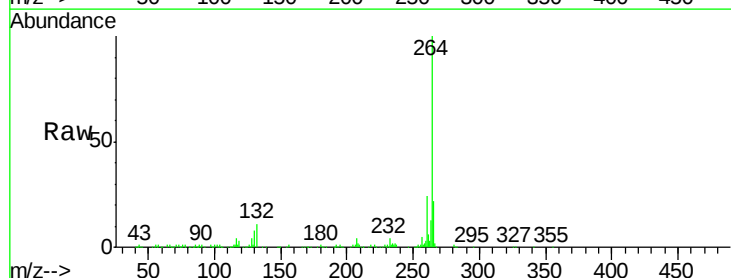
Tgt Ion:264 Resp: 320136

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.1 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

