

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035794.D
 Acq On : 20 Jul 2018 21:23
 Operator : JU/SJ
 Sample : J3357-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FIELDBLANK_71718

Quant Time: Jul 21 00:39:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

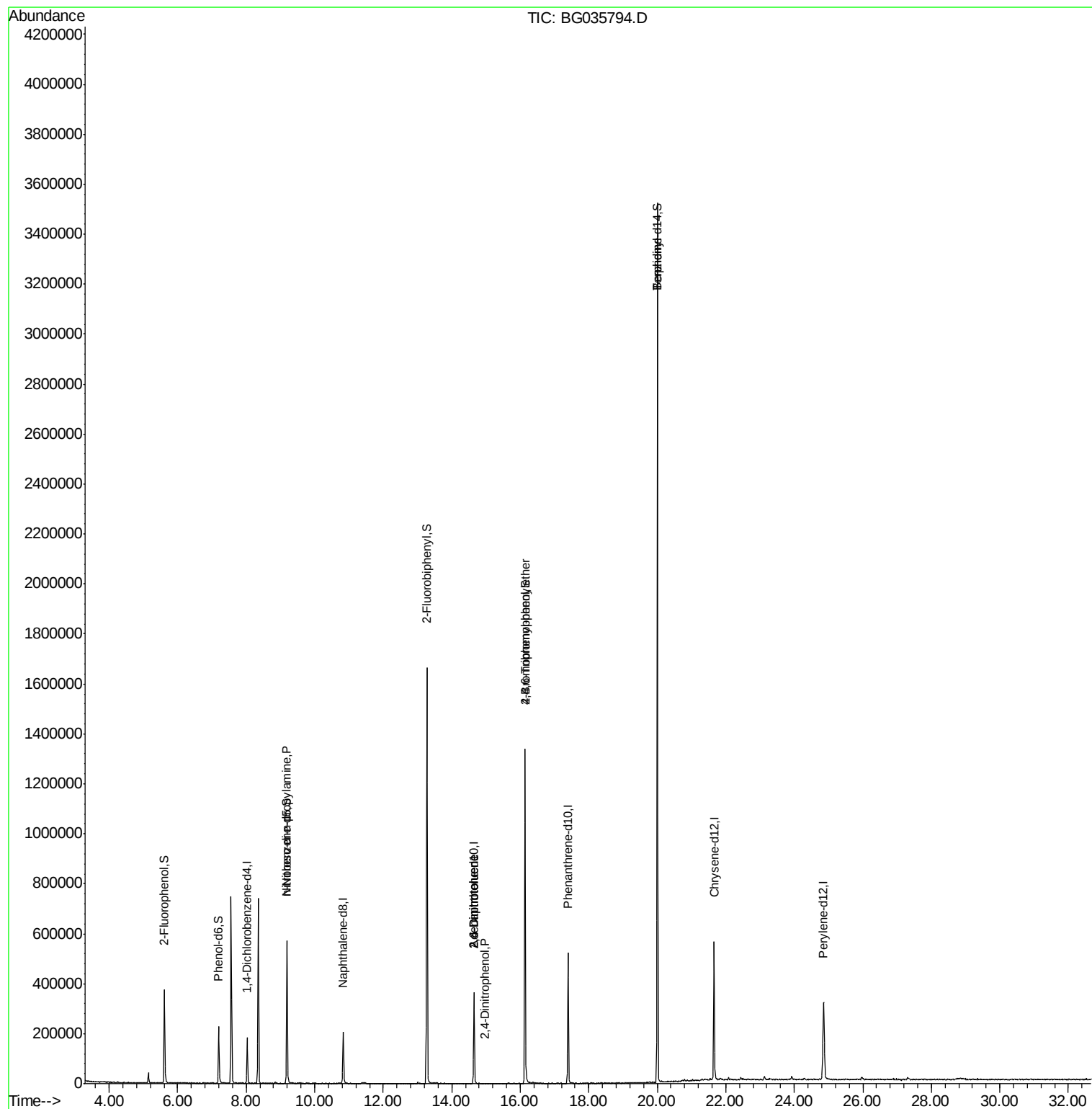
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	52785	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	184361	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	129406	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	344395	20.00	ng	0.00
75) Chrysene-d12	21.65	240	374987	20.00	ng	0.00
86) Perylene-d12	24.86	264	355274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	171203	53.85	ng	0.00
7) Phenol-d6	7.20	99	146086	30.80	ng	0.00
23) Nitrobenzene-d5	9.19	82	406204	92.04	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	257164	150.77	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	925858	95.85	ng	0.00
78) Terphenyl-d14	20.00	244	1607677	94.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	56349	14.107	ng	# 72
50) 2,6-Dinitrotoluene	14.65	165	17407	7.539	ng	# 21
53) 2,4-Dinitrophenol	14.95	184	74	6.639	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	17407	5.255	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	21609	5.408	ng	# 1
76) Benzidine	20.00	184	28689	2.910	ng	# 93

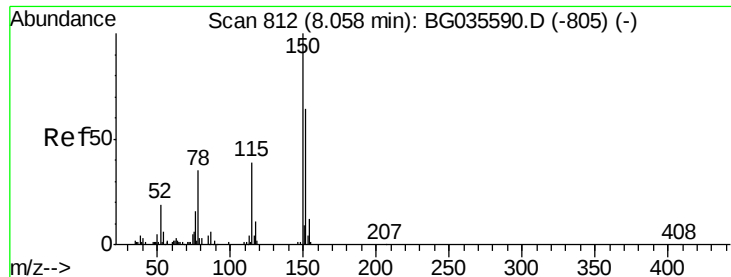
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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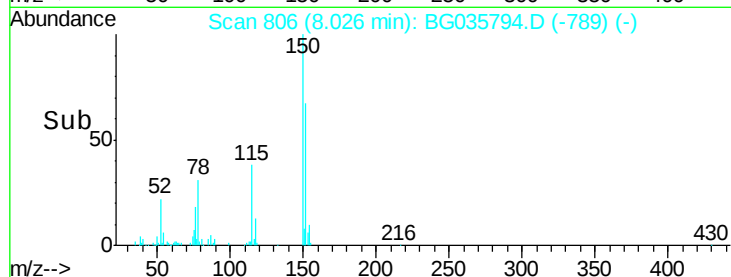
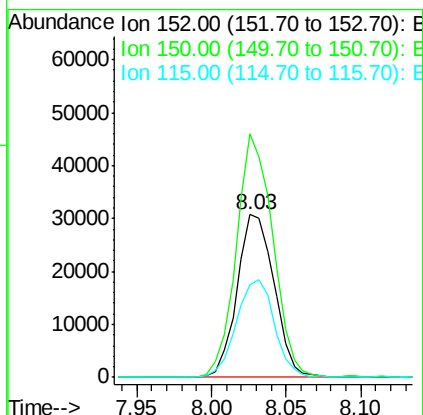
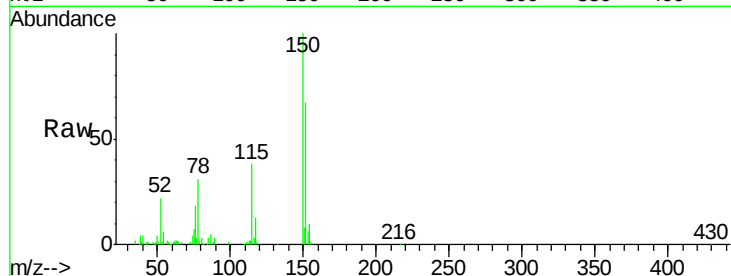


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Instrument :
BNA_G
ClientSampleId :
FIELDBLANK_71718

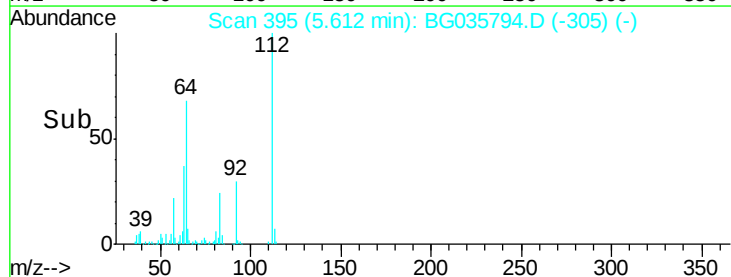
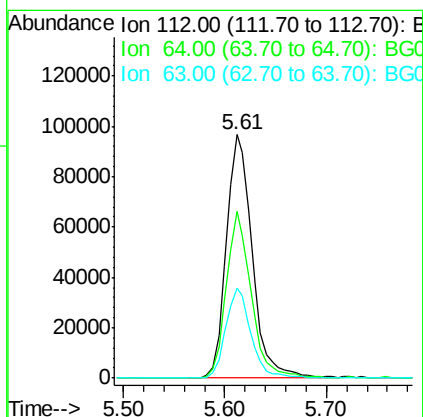
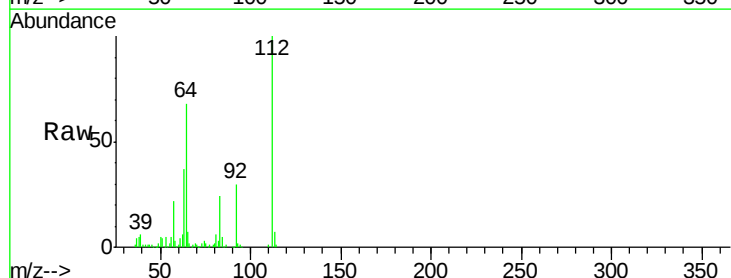
Tgt Ion:152 Resp: 52785
Ion Ratio Lower Upper
152 100
150 149.8 126.6 189.8
115 56.9 53.0 79.4

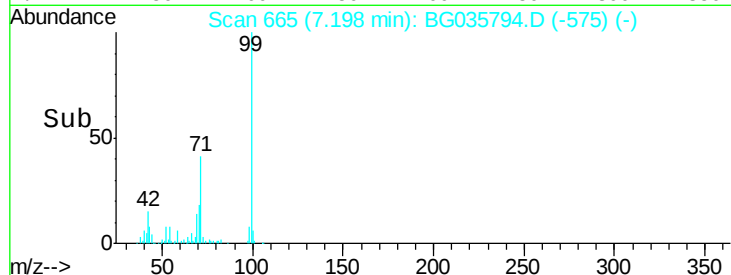
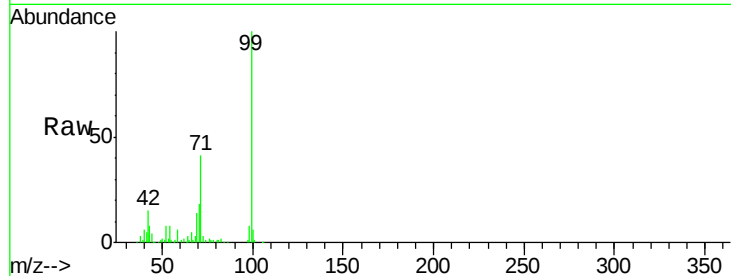


#5

2-Fluorophenol
Concen: 53.848 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Tgt Ion:112 Resp: 171203
Ion Ratio Lower Upper
112 100
64 68.5 56.3 84.5
63 37.0 30.1 45.1





#7

Phenol-d6

Concen: 30.797 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Instrument :

BNA_G

ClientSampleId :

FIELDBLANK_71718

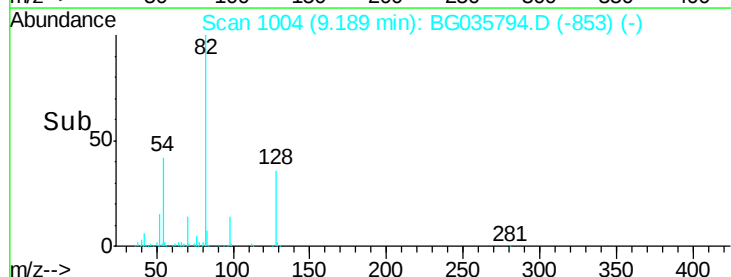
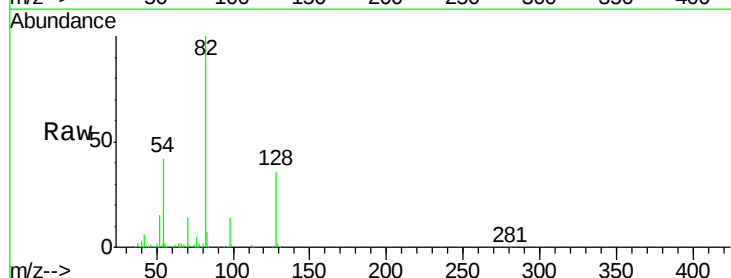
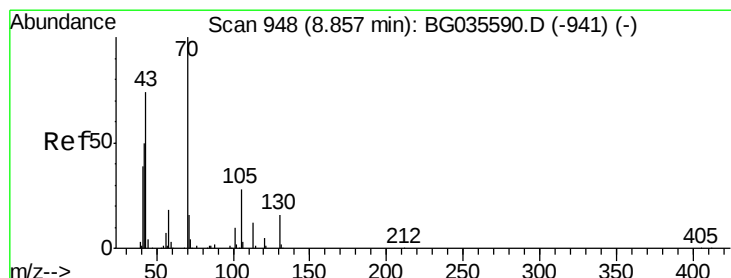
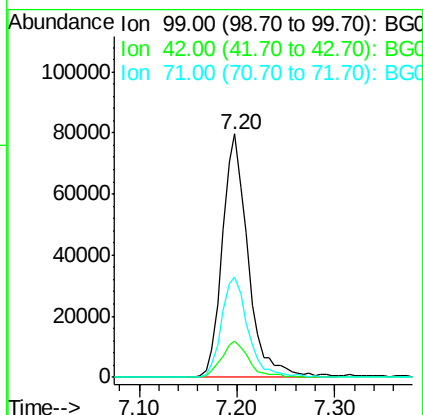
Tgt Ion: 99 Resp: 146086

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

71 41.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.107 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Tgt Ion: 70 Resp: 56349

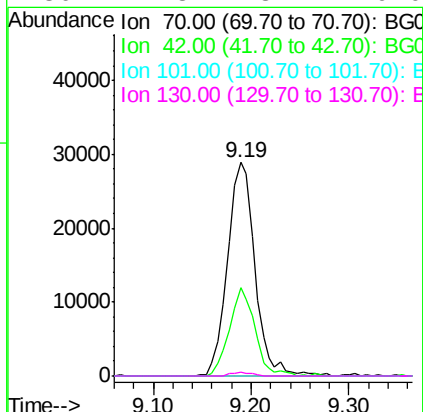
Ion Ratio Lower Upper

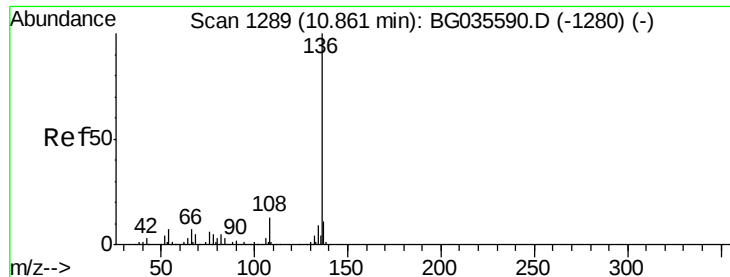
70 100

42 41.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

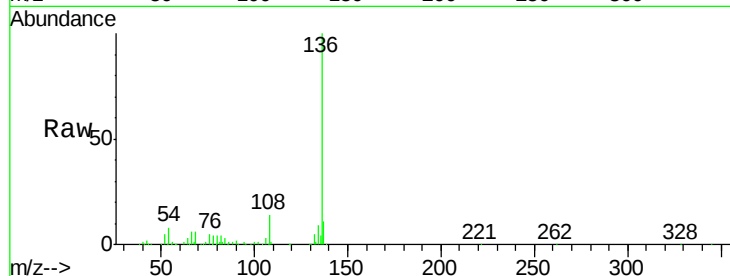




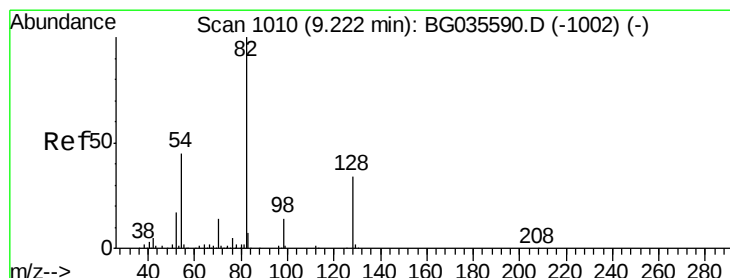
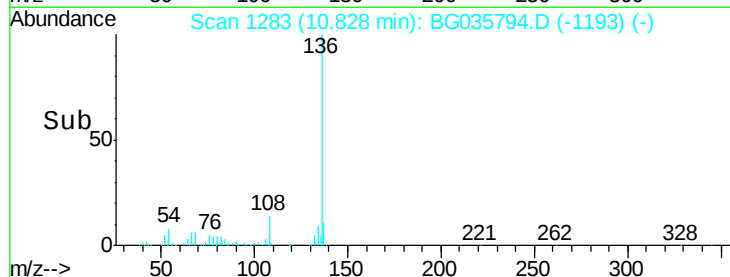
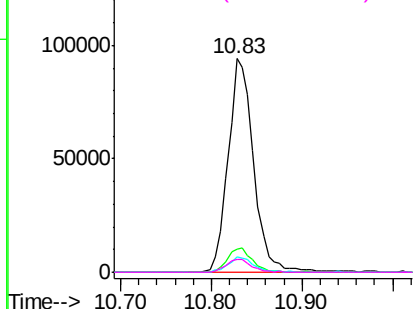
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Instrument :
BNA_G
ClientSampleId :
FIELDBLANK_71718

Tgt Ion:	136	Resp:	184361
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.5	10.3	15.5#
68	6.1	4.5	6.7

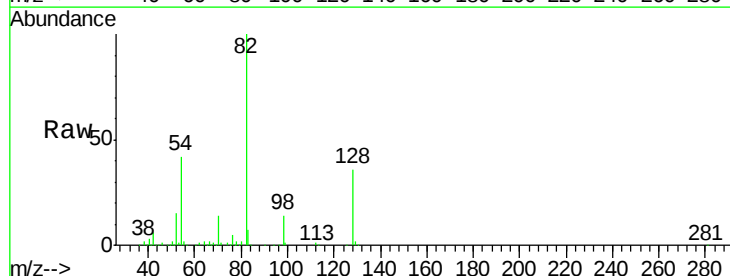


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

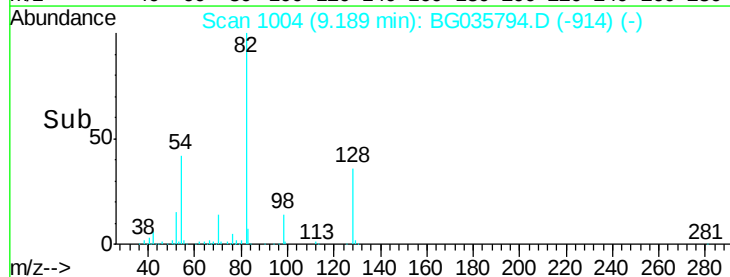
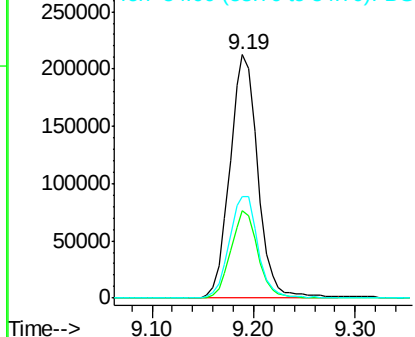


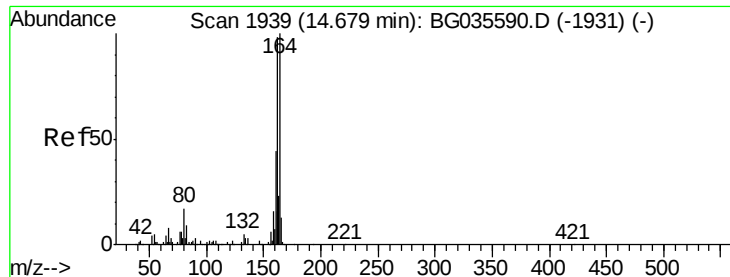
#23
Nitrobenzene-d5
Concen: 92.043 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Tgt Ion:	82	Resp:	406204
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	41.8	43.1	64.7#



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: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Instrument :

BNA_G

ClientSampleId :

FIELDBLANK_71718

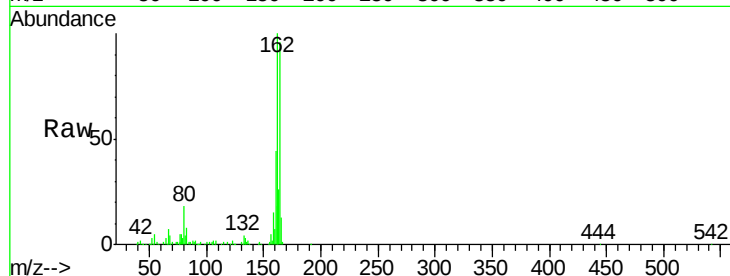
Tgt Ion:164 Resp: 129406

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

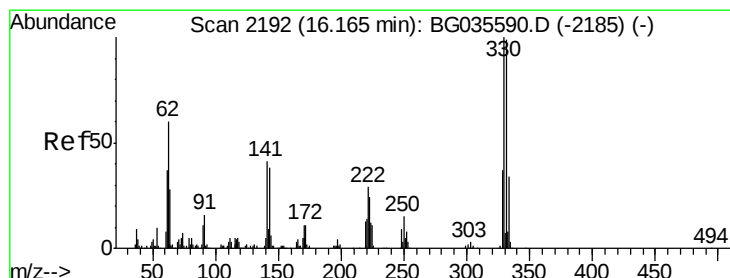
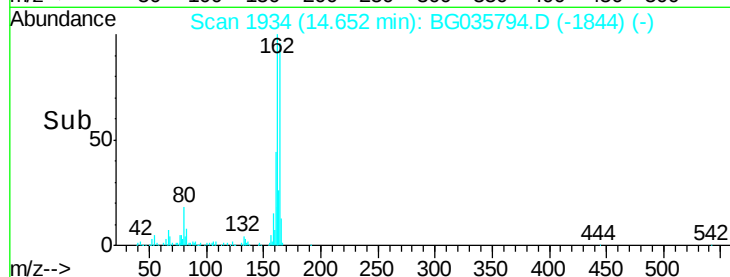
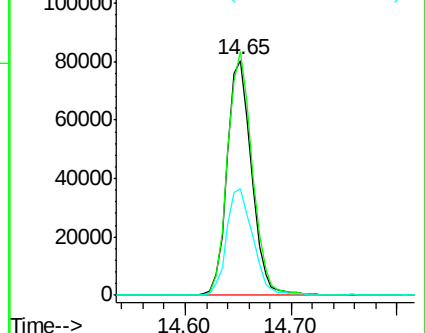
160 45.5 35.4 53.0



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: 150.771 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

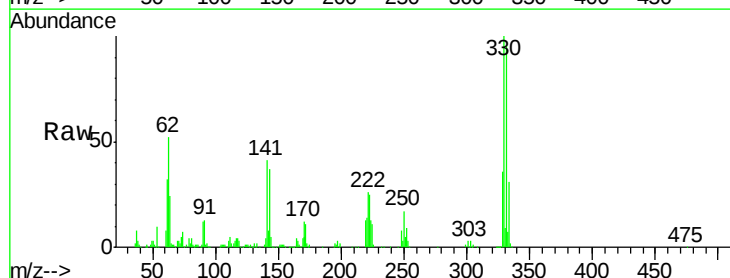
Tgt Ion:330 Resp: 257164

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

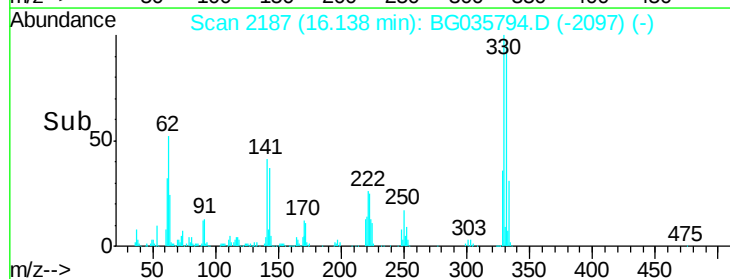
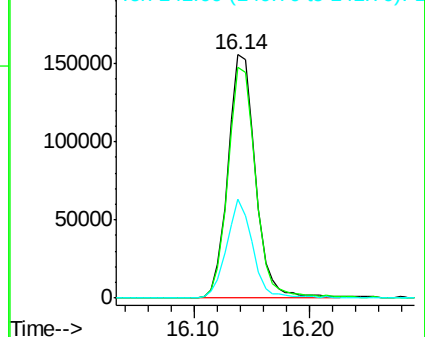
141 38.1 25.2 37.8#

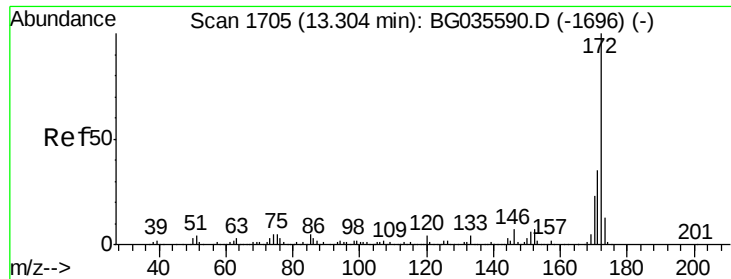


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

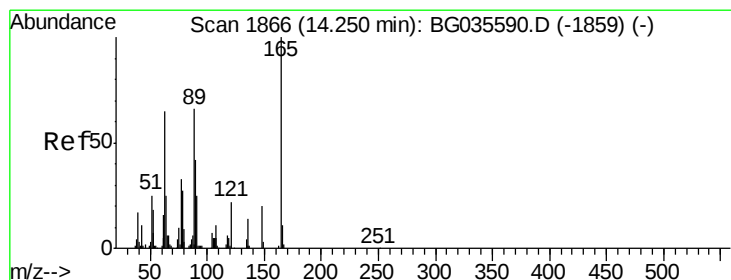
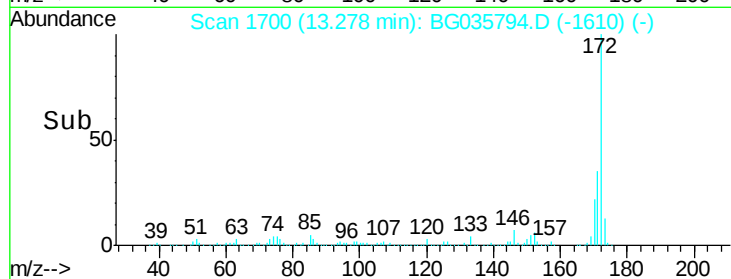
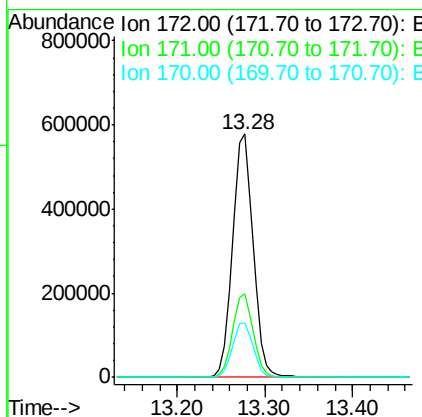
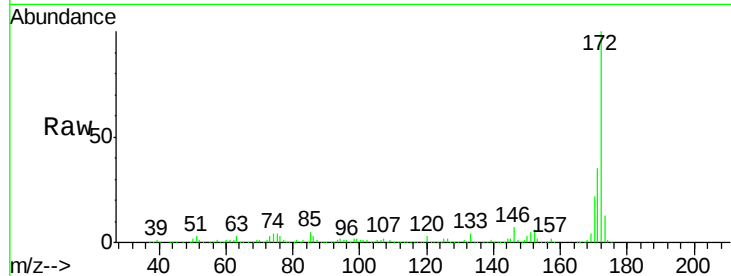




#44
 2-Fluorobiphenyl
 Concen: 95.854 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035794.D
 Acq: 20 Jul 2018 21:23

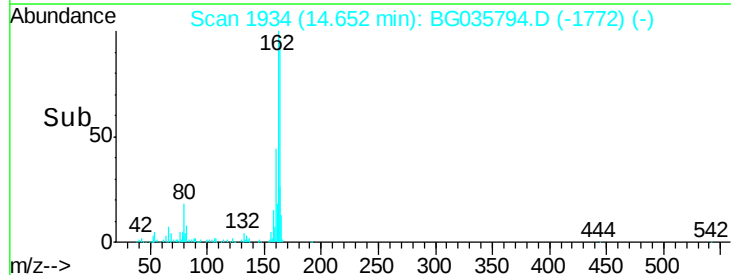
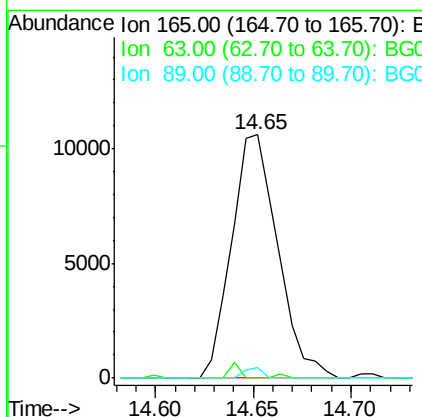
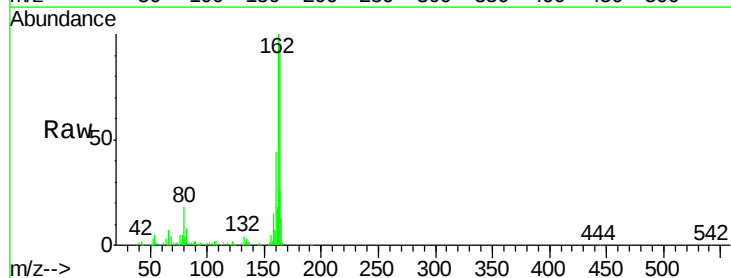
Instrument :
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 FIELDBLANK_71718

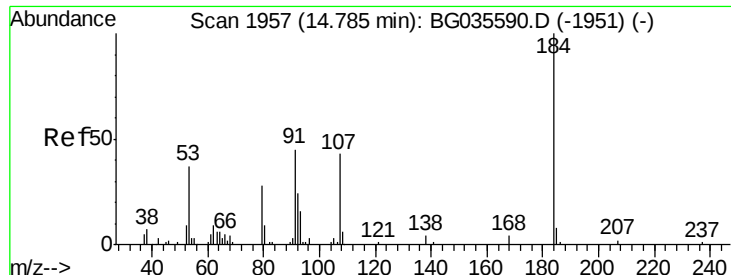
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.539 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035794.D
 Acq: 20 Jul 2018 21:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	4.4	49.2	73.8#





#53

2,4-Dinitrophenol

Concen: 6.639 ng

RT: 14.95 min Scan# 1985

Delta R.T. 0.19 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Instrument :

BNA_G

ClientSampleId :

FIELDBLANK_71718

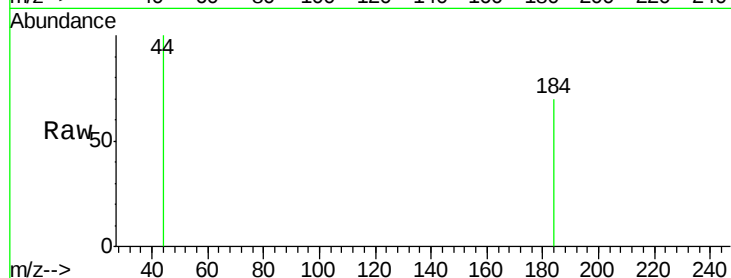
Tgt Ion:184 Resp: 74

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

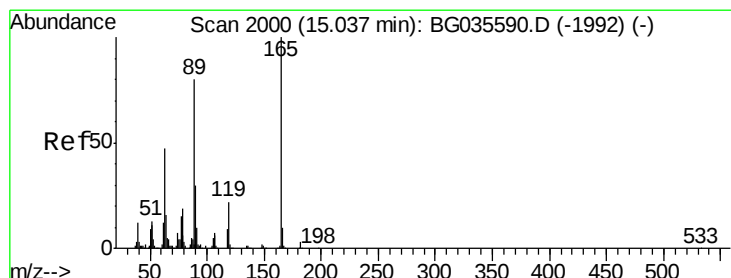
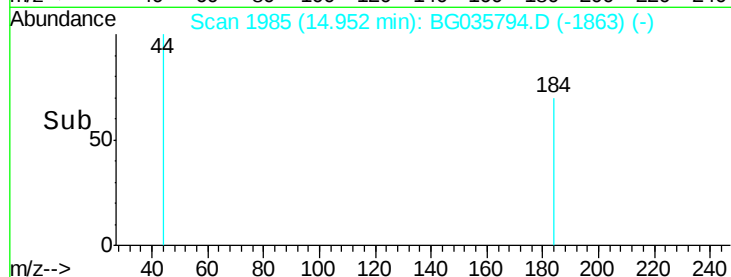
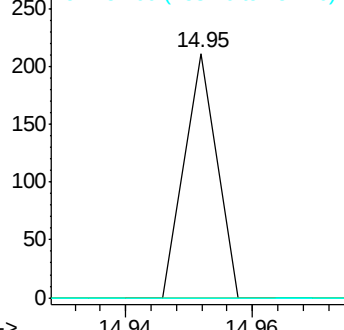
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.255 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Tgt Ion:165 Resp: 17407

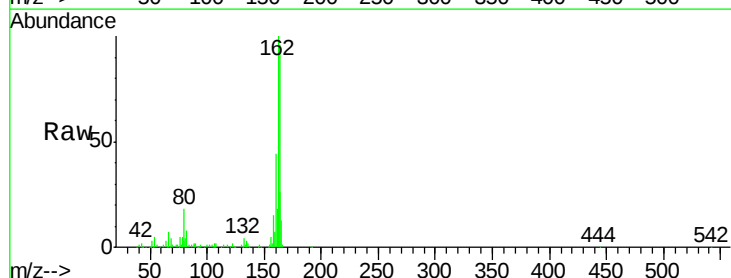
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 4.4 66.9 100.3#

182 0.0 2.6 3.8#

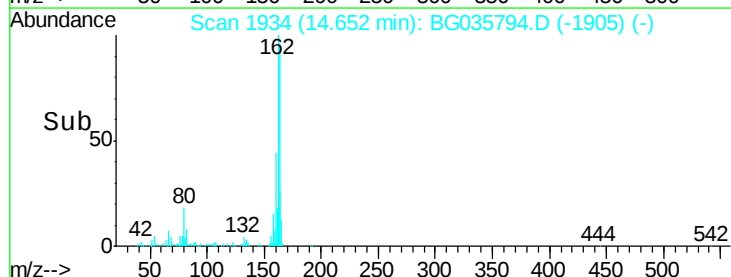
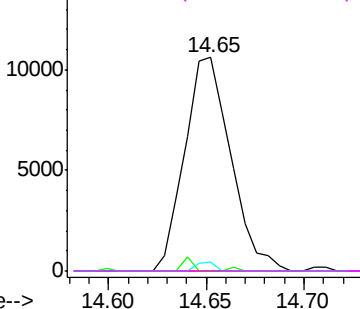


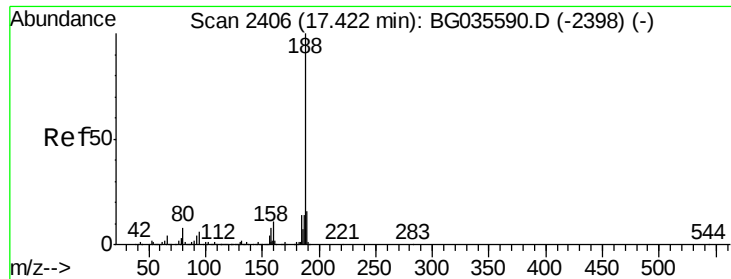
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

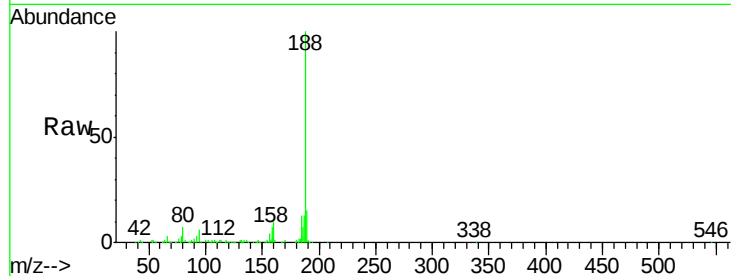




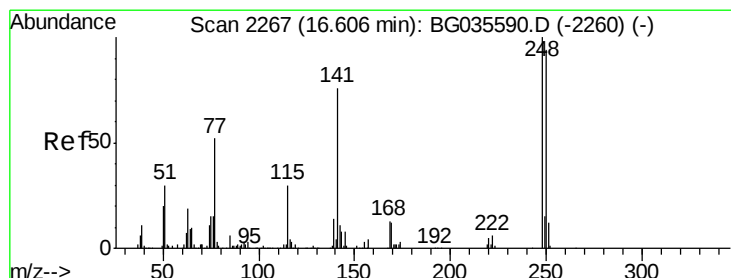
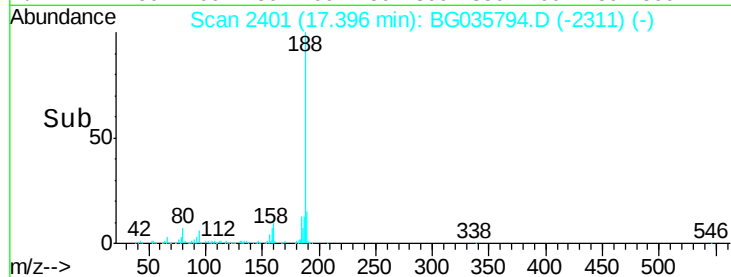
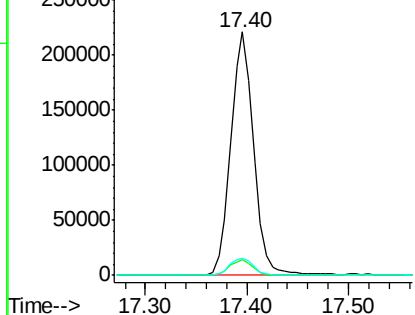
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Instrument :
BNA_G
ClientSampleId :
FIELDBLANK_71718

Tgt Ion:188 Resp: 344395
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 7.1 7.7 11.5#

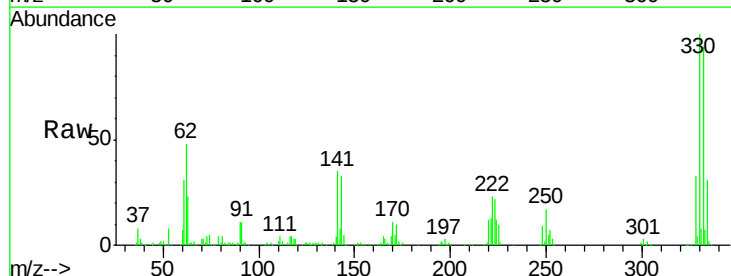


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

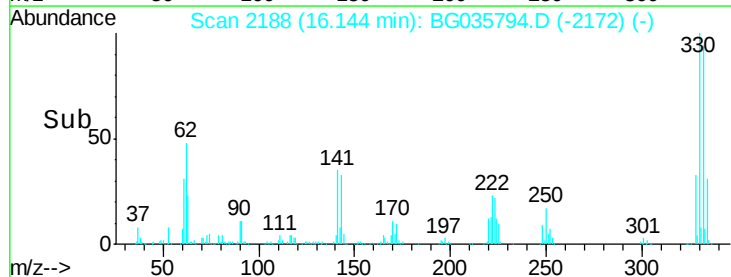
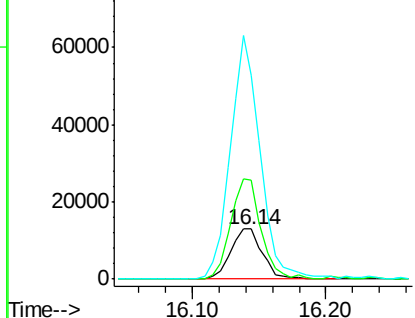


#66
4-Bromophenyl-phenylether
Concen: 5.408 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.44 min
Lab File: BG035794.D
Acq: 20 Jul 2018 21:23

Tgt Ion:248 Resp: 21609
Ion Ratio Lower Upper
248 100
250 197.1 77.1 115.7#
141 407.3 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: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Instrument :

BNA_G

ClientSampleId :

FIELDBLANK_71718

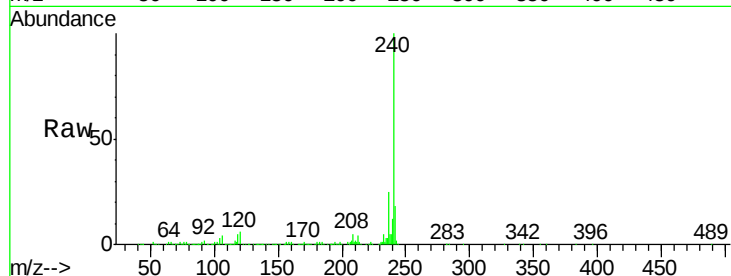
Tgt Ion:240 Resp: 374987

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

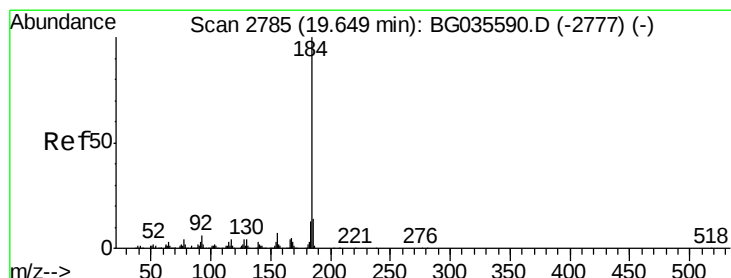
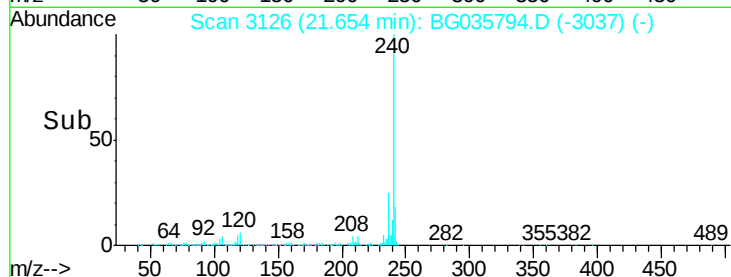
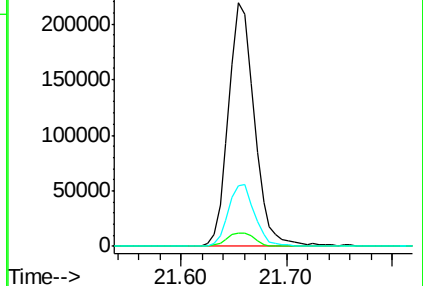
236 24.9 20.9 31.3



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: 2.910 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

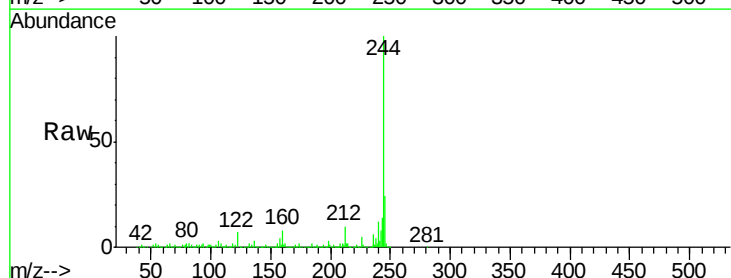
Tgt Ion:184 Resp: 28689

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

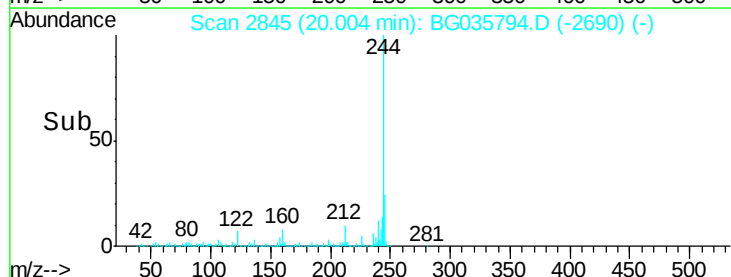
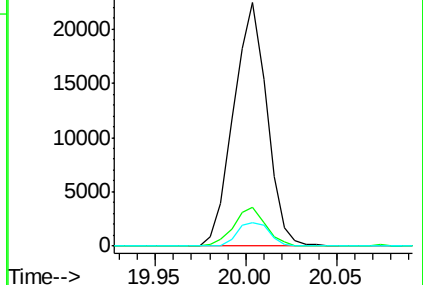
183 9.6 10.6 16.0#

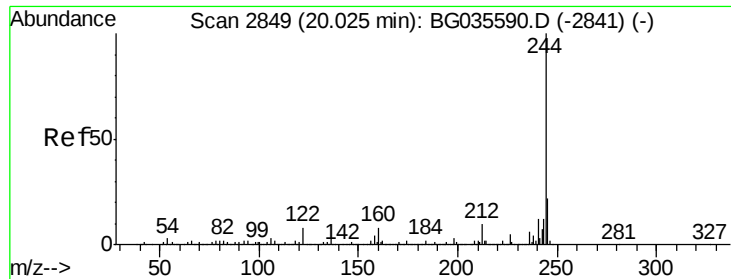


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.505 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

Instrument :

BNA_G

ClientSampleId :

FIELDBLANK_71718

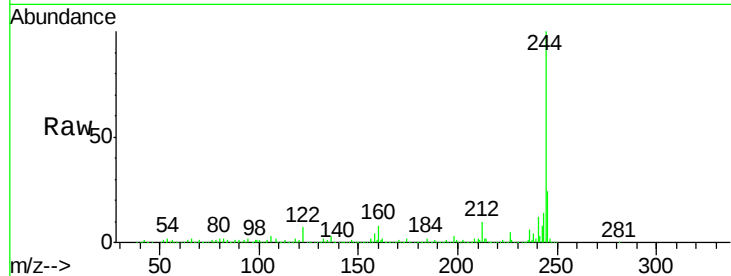
Tgt Ion:244 Resp: 1607677

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

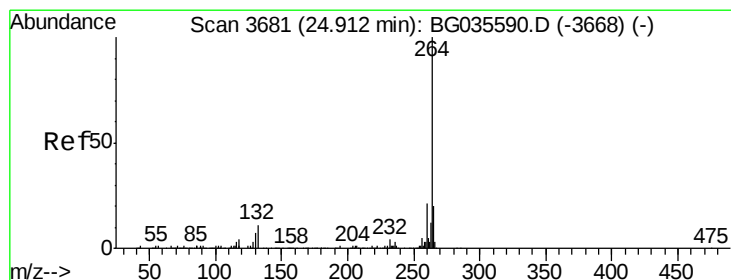
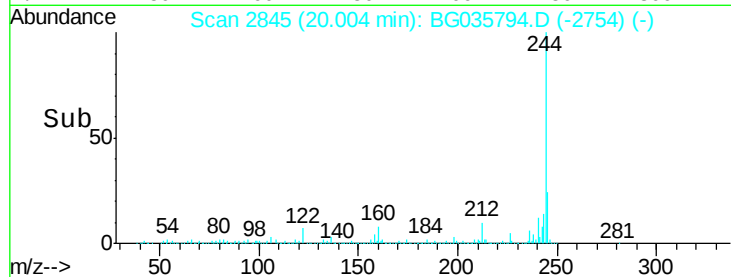
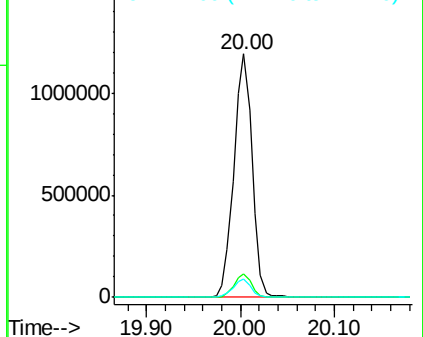
122 7.4 7.0 10.4



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. -0.00 min

Lab File: BG035794.D

Acq: 20 Jul 2018 21:23

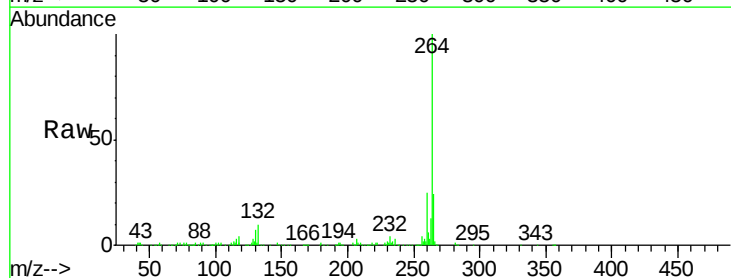
Tgt Ion:264 Resp: 355274

Ion Ratio Lower Upper

264 100

260 25.0 17.4 26.0

265 23.5 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

