

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035648.D
 Acq On : 14 Jul 2018 3:13
 Operator : JU/SJ
 Sample : J3966-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11977

Quant Time: Jul 14 04:01:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

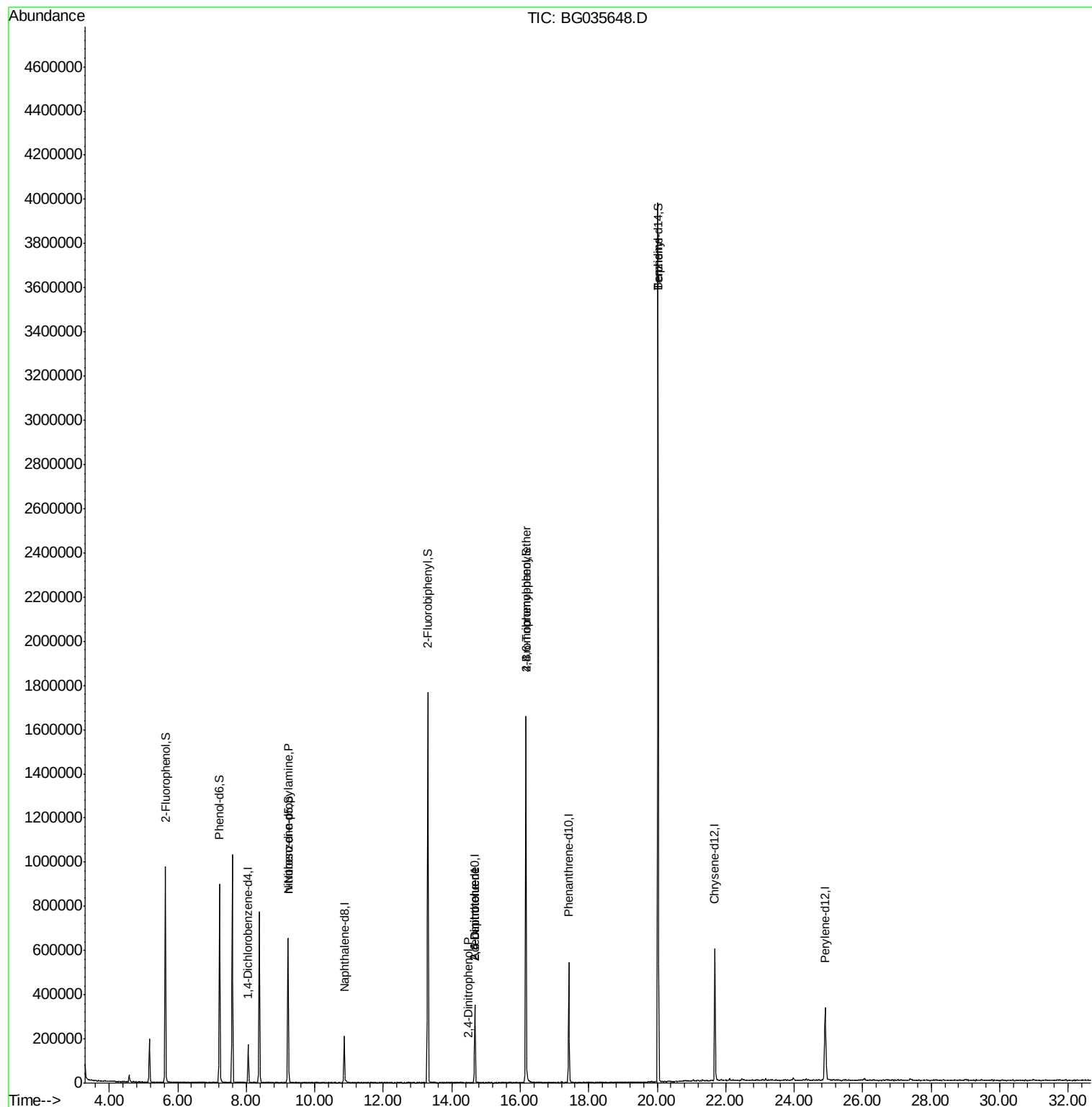
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44567	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	170378	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	124863	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	358895	20.00	ng	0.00
75) Chrysene-d12	21.69	240	383756	20.00	ng	0.00
86) Perylene-d12	24.91	264	364354	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	401648	149.62	ng	0.00
7) Phenol-d6	7.22	99	532163	132.87	ng	0.00
23) Nitrobenzene-d5	9.22	82	438333	107.47	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	297893	181.00	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	952277	102.18	ng	0.00
78) Terphenyl-d14	20.02	244	1863624	107.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	61093	18.115	ng	# 70
50) 2,6-Dinitrotoluene	14.68	165	15938	7.154	ng	# 21
53) 2,4-Dinitrophenol	14.50	184	58	6.629	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	15938	4.987	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	23852	5.728	ng	# 1
76) Benzidine	20.02	184	34386	3.408	ng	# 85

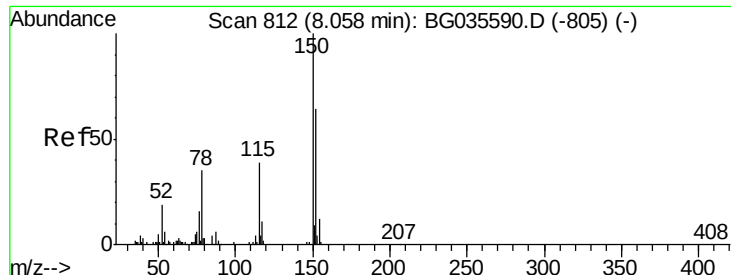
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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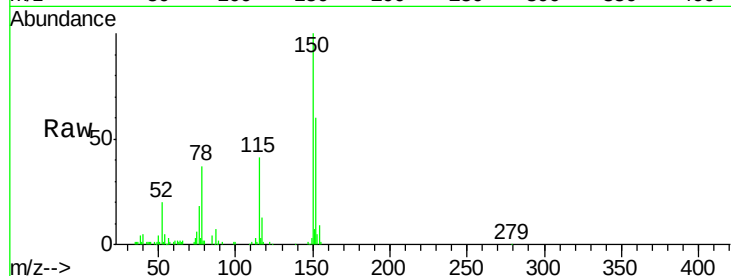


#1

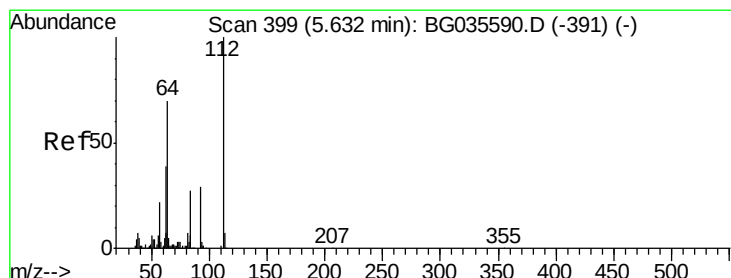
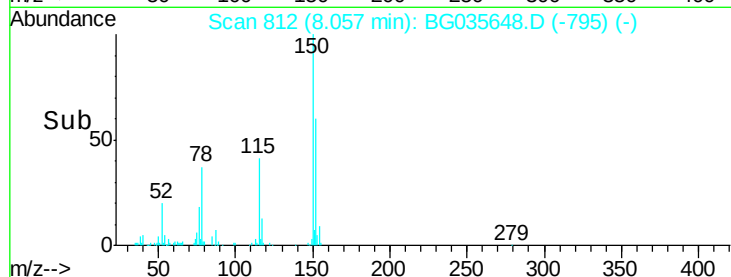
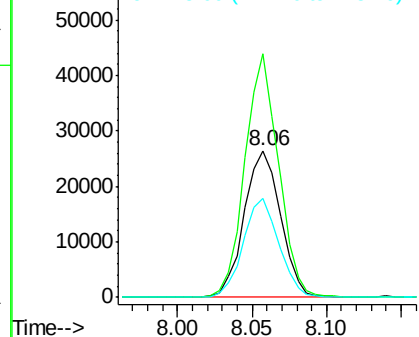
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Instrument :
BNA_G
ClientSampleId :
72-11977

Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.8	126.6	189.8
115	67.2	53.0	79.4



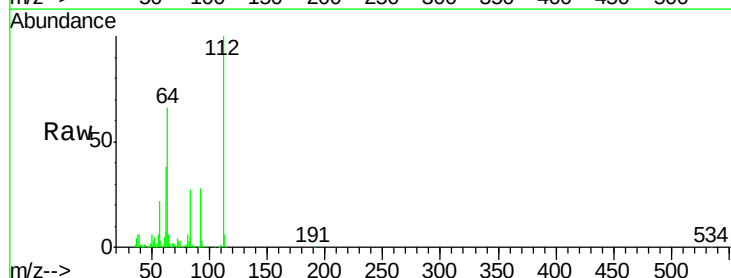
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



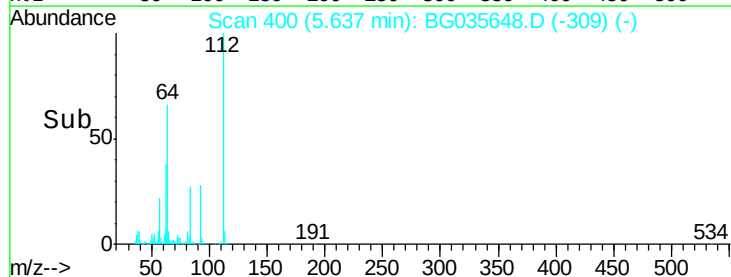
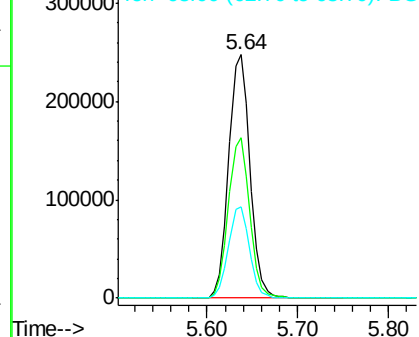
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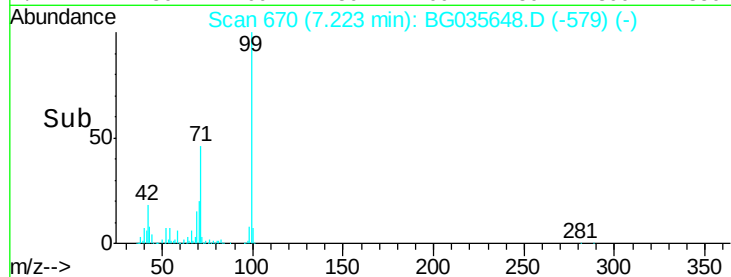
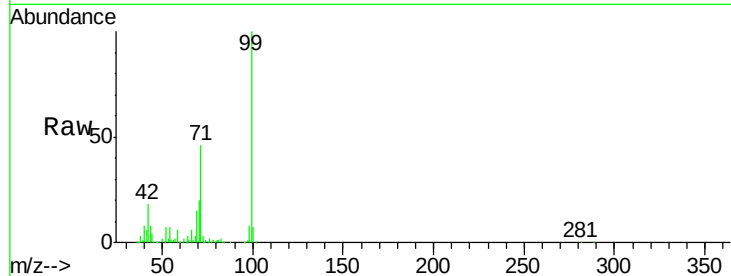
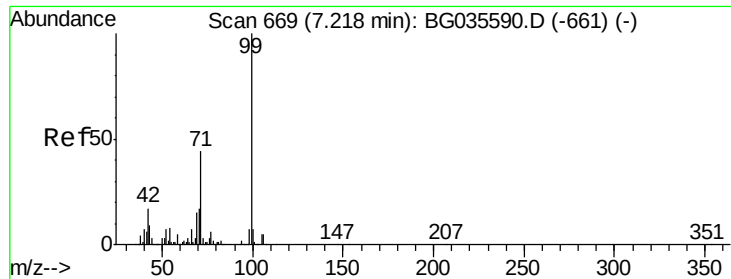
2-Fluorophenol
Concen: 149.624 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.3	84.5
63	37.6	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 132.873 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Instrument :

BNA_G

ClientSampleId :

72-11977

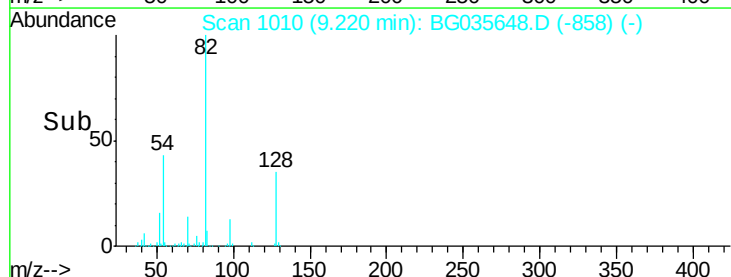
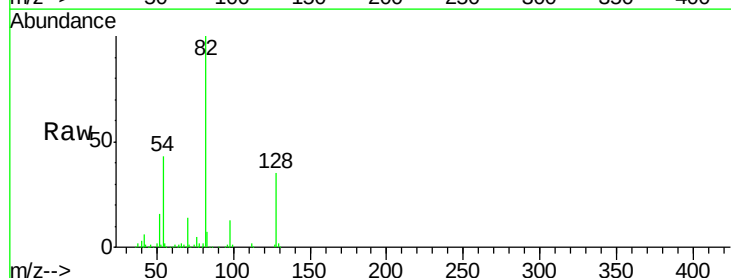
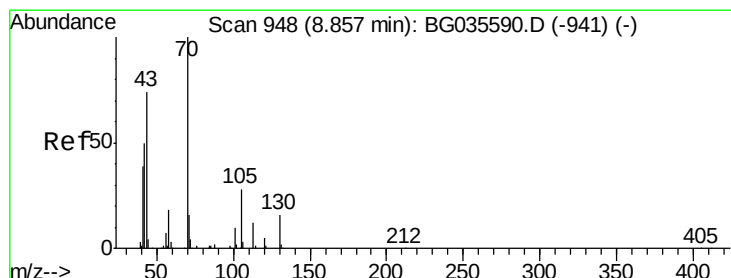
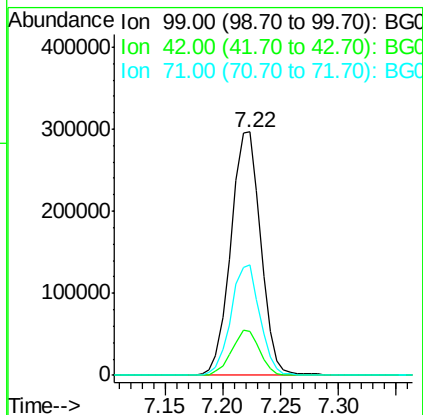
Tgt Ion: 99 Resp: 532163

Ion Ratio Lower Upper

99 100

42 17.8 14.1 21.1

71 45.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.115 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Tgt Ion: 70 Resp: 61093

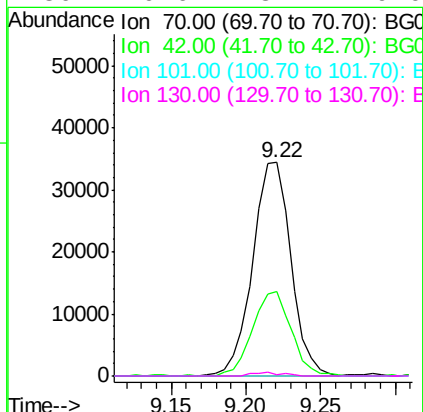
Ion Ratio Lower Upper

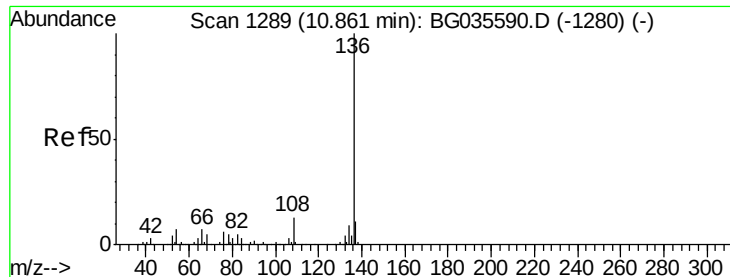
70 100

42 39.7 49.1 73.7#

101 0.0 8.5 12.7#

130 0.6 13.4 20.0#

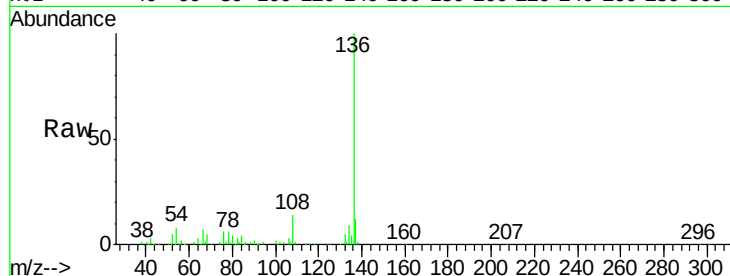




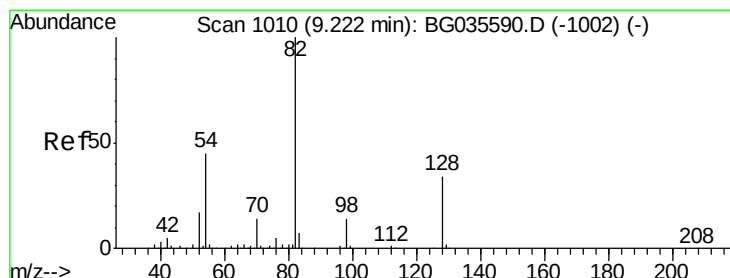
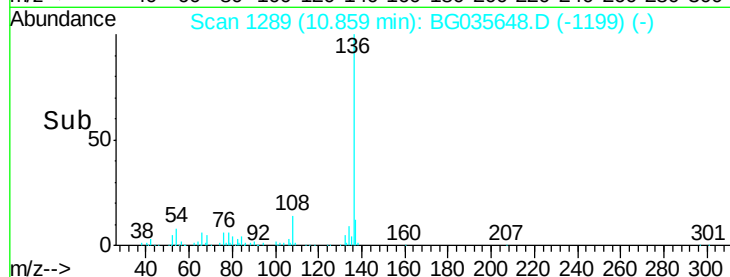
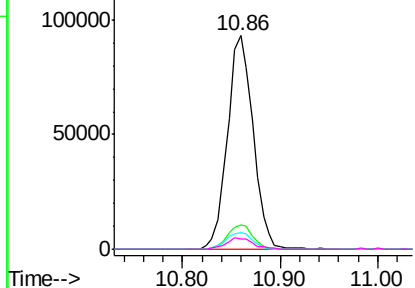
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Instrument :
BNA_G
ClientSampleId :
72-11977

Tgt Ion:	136	Resp:	170378
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	8.1	10.3	15.5#
68	5.1	4.5	6.7

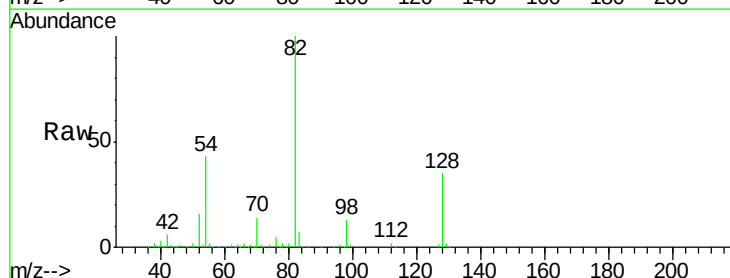


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

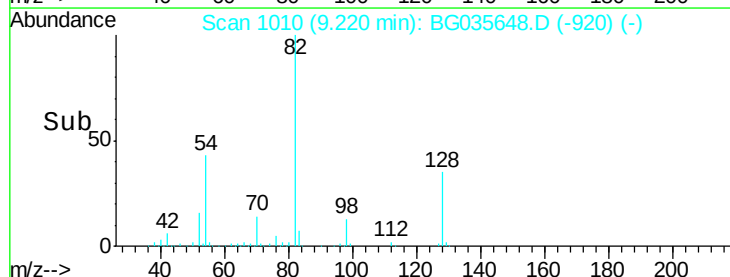
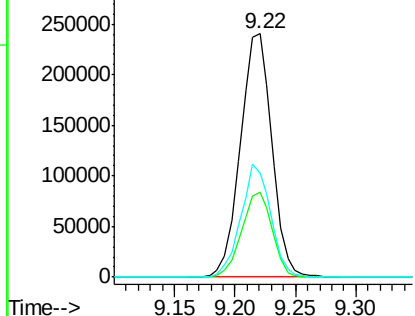


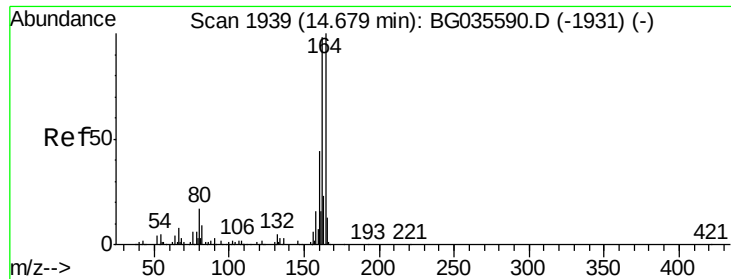
#23
Nitrobenzene-d5
Concen: 107.474 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Tgt Ion:	82	Resp:	438333
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	42.8	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: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Instrument :

BNA_G

ClientSampleId :

72-11977

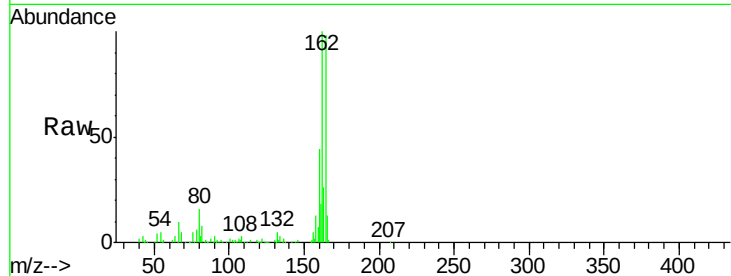
Tgt Ion:164 Resp: 124863

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

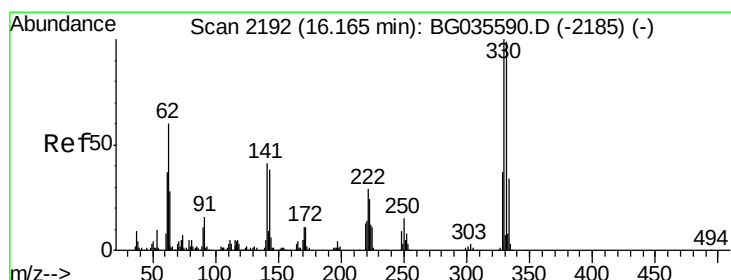
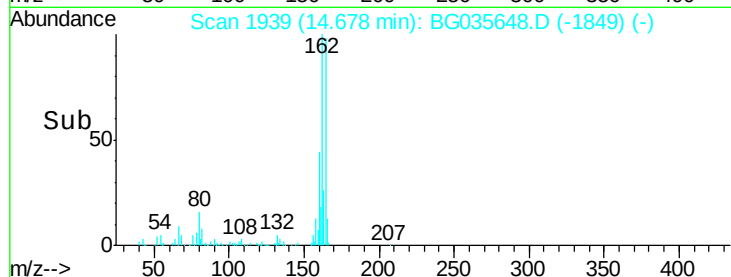
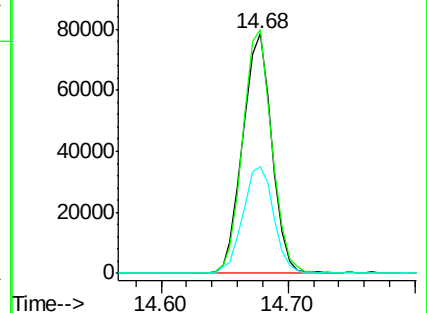
160 44.6 35.4 53.0



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: 181.005 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

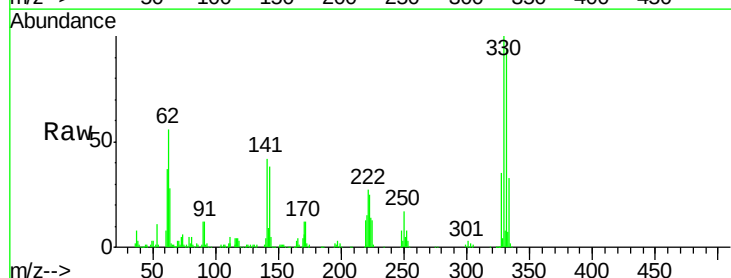
Tgt Ion:330 Resp: 297893

Ion Ratio Lower Upper

330 100

332 93.8 77.0 115.6

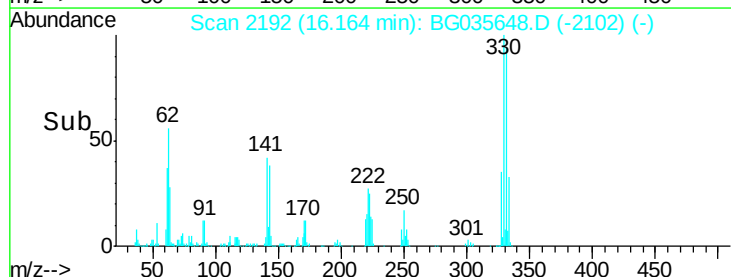
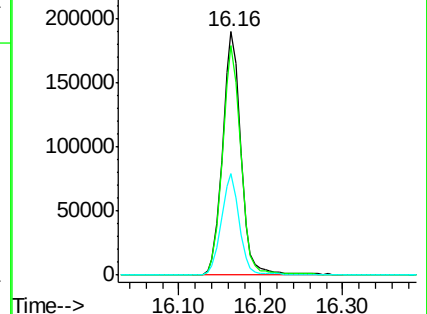
141 40.6 25.2 37.8#

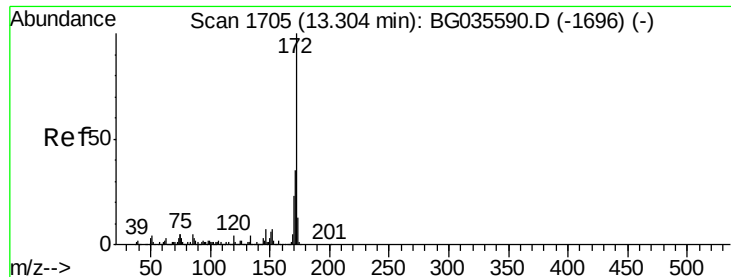


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 102.176 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Instrument :

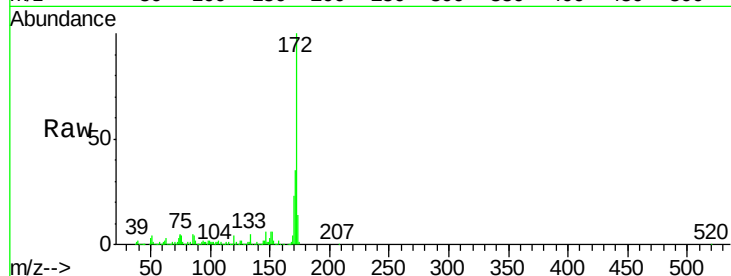
BNA_G

ClientSampleId :

72-11977

Tgt Ion:172 Resp: 952277

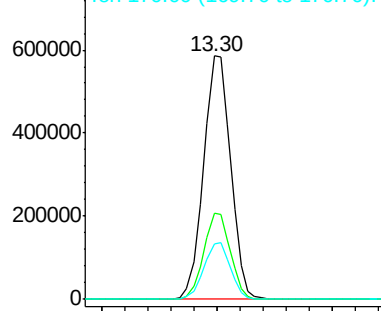
Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	22.9	19.5	29.3



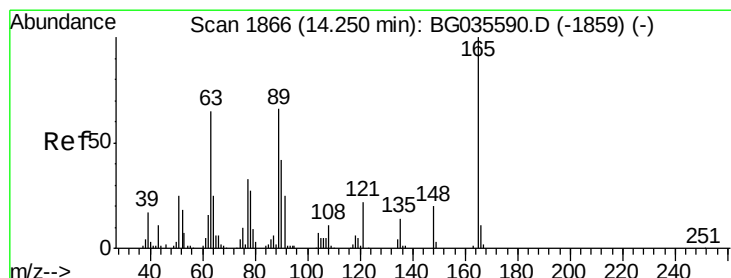
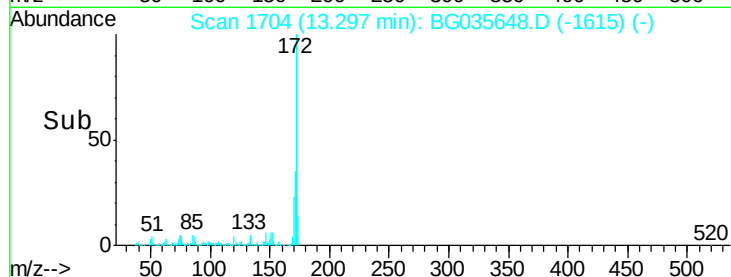
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time--> 13.20 13.30 13.40



#50

2,6-Dinitrotoluene

Concen: 7.154 ng

RT: 14.68 min Scan# 1939

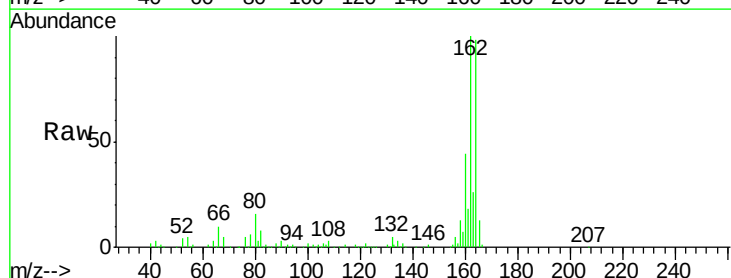
Delta R.T. 0.43 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Tgt Ion:165 Resp: 15938

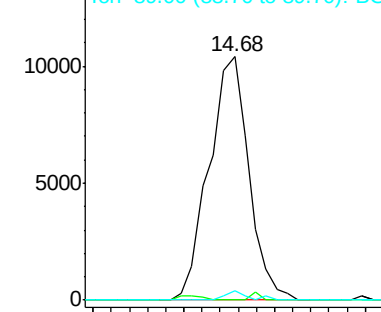
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.6	49.2	73.8#



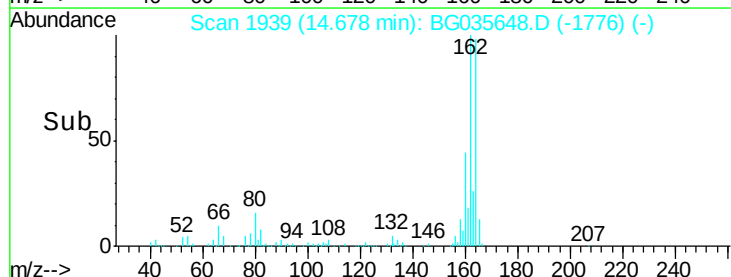
Abundance Ion 165.00 (164.70 to 165.70): E

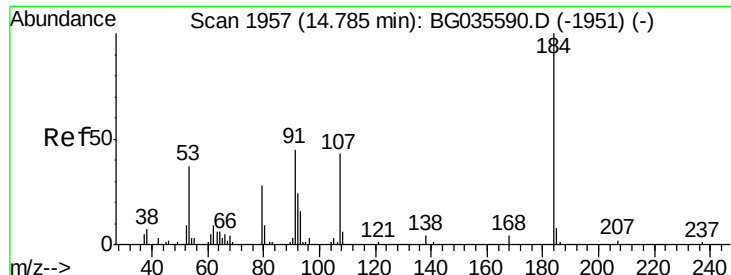
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.60 14.65 14.70

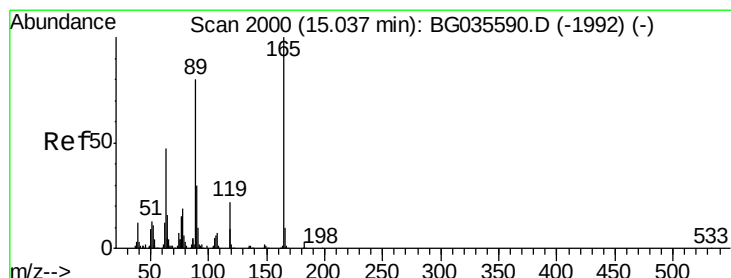
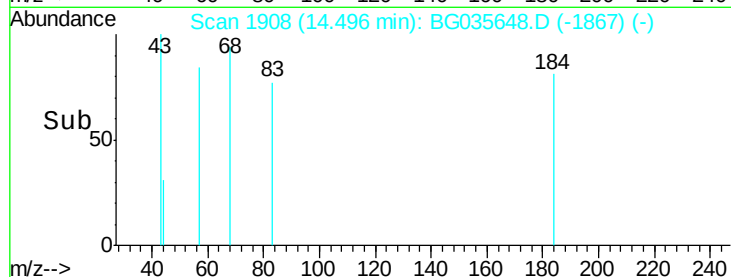
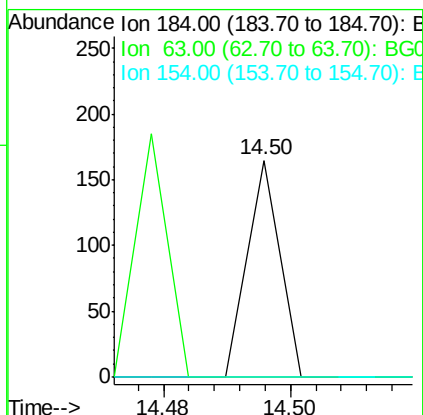
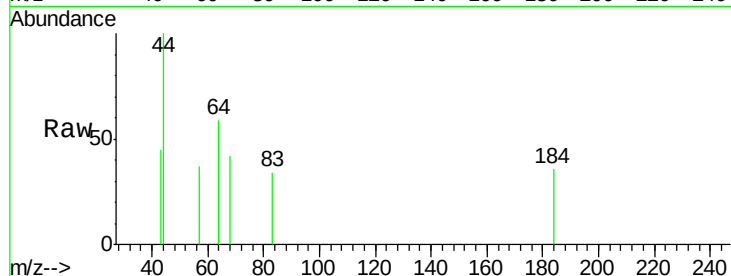




#53
2,4-Dinitrophenol
Concen: 6.629 ng
RT: 14.50 min Scan# 1908
Delta R.T. -0.29 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

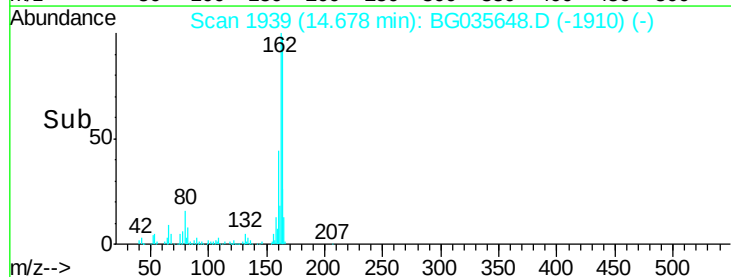
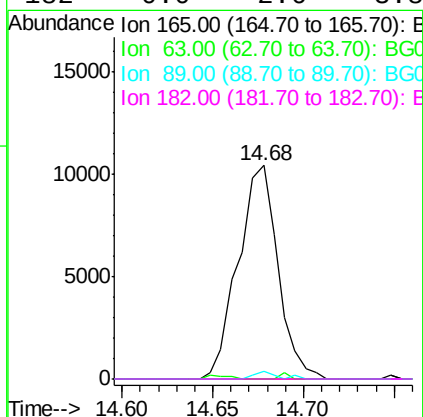
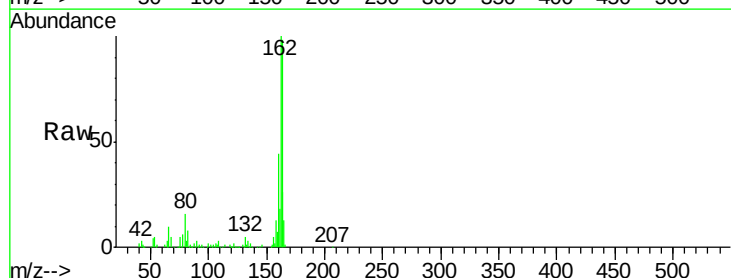
Instrument :
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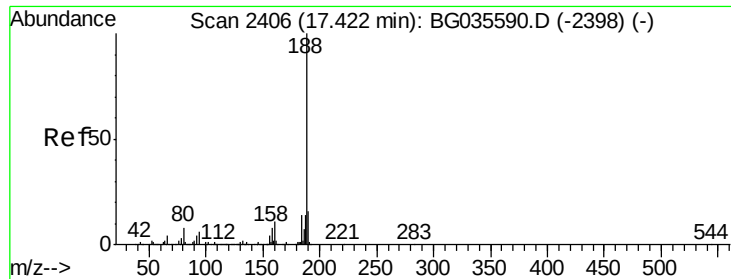
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.987 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Tgt Ion:165 Resp: 15938
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.6 66.9 100.3#
182 0.0 2.6 3.8#

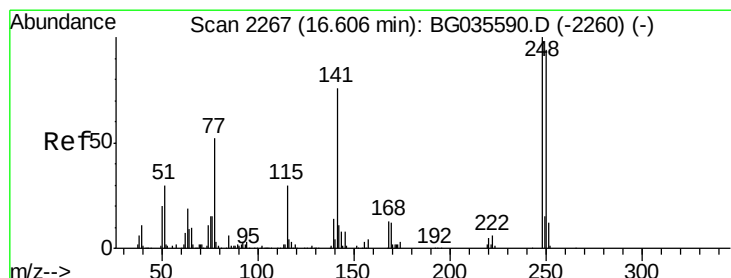
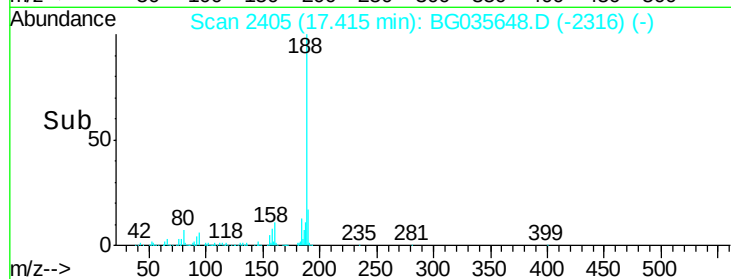
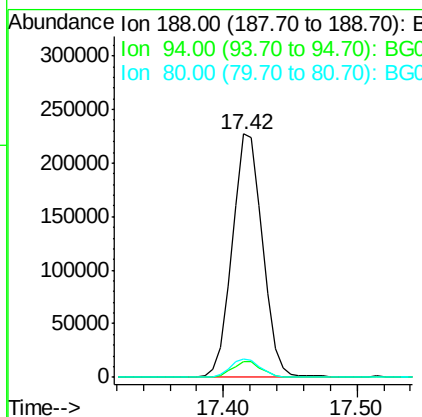
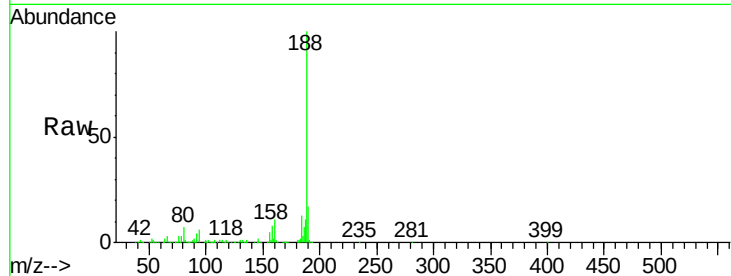




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

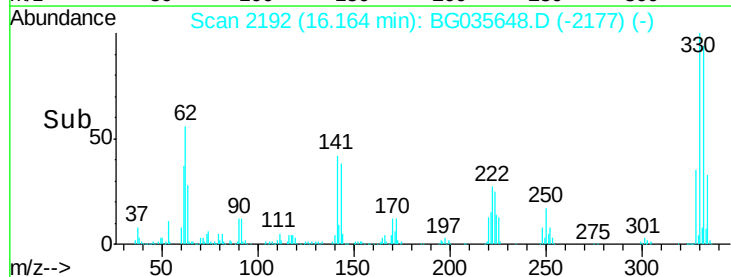
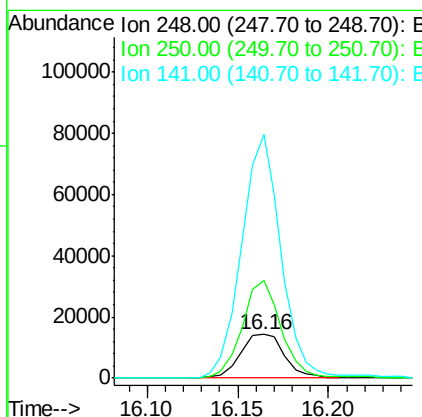
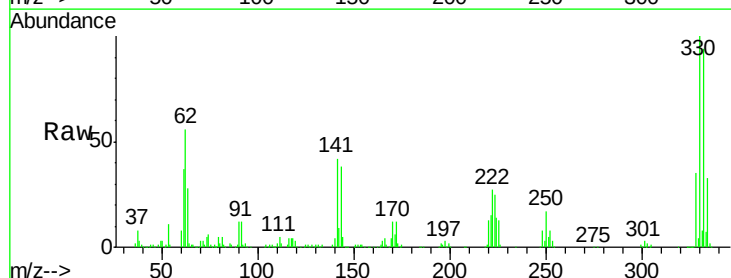
Instrument :
BNA_G
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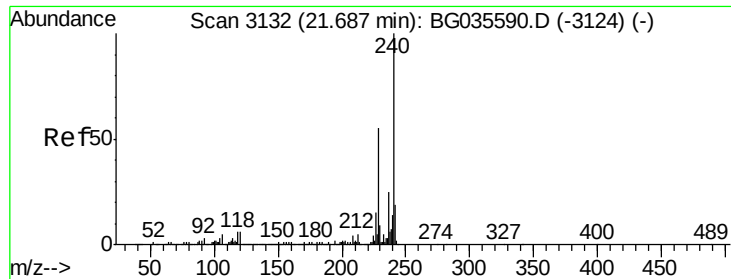
Tgt Ion:188 Resp: 358895
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 7.3 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.728 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.44 min
Lab File: BG035648.D
Acq: 14 Jul 2018 3:13

Tgt Ion:248 Resp: 23852
Ion Ratio Lower Upper
248 100
250 222.7 77.1 115.7#
141 557.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Instrument :

BNA_G

ClientSampleId :

72-11977

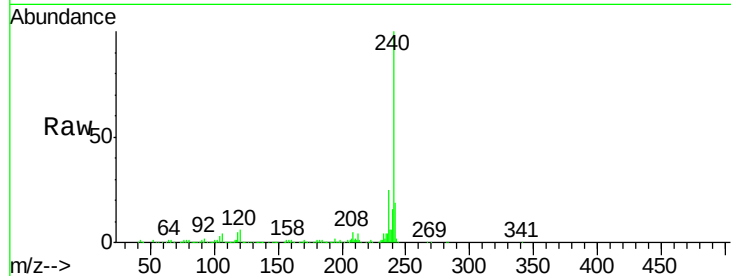
Tgt Ion:240 Resp: 383756

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

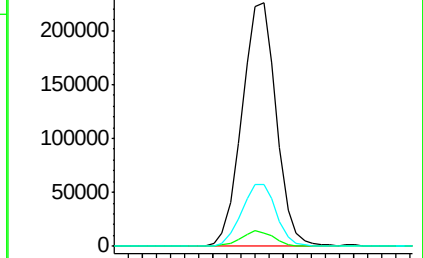
236 25.4 20.9 31.3



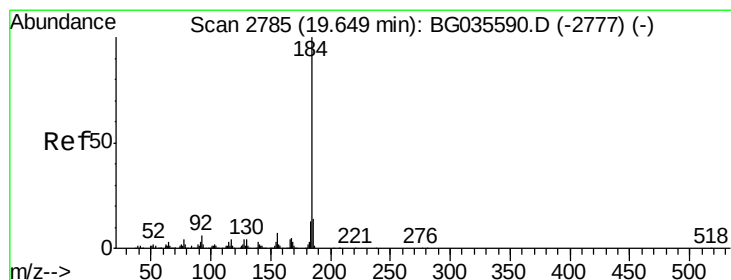
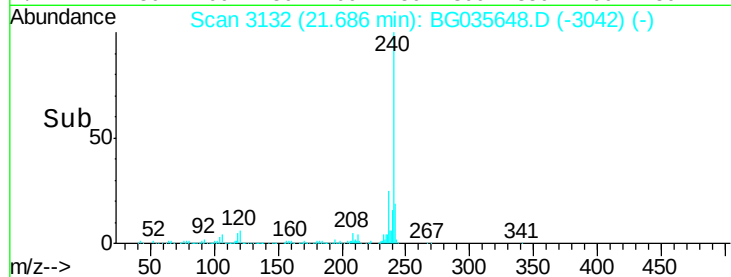
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.408 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.37 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

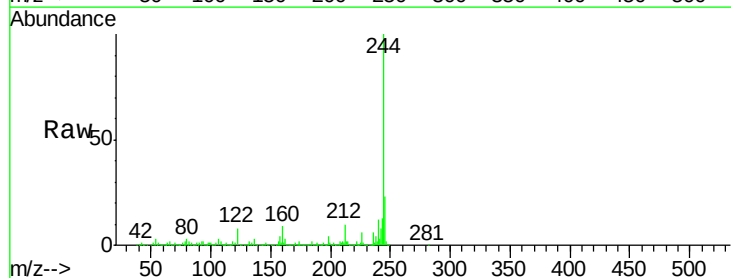
Tgt Ion:184 Resp: 34386

Ion Ratio Lower Upper

184 100

185 21.2 11.1 16.7#

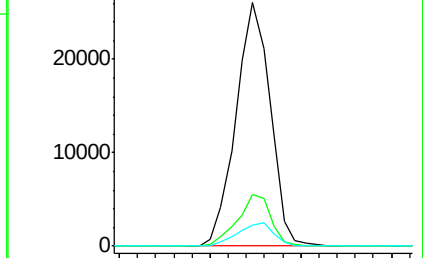
183 8.5 10.6 16.0#



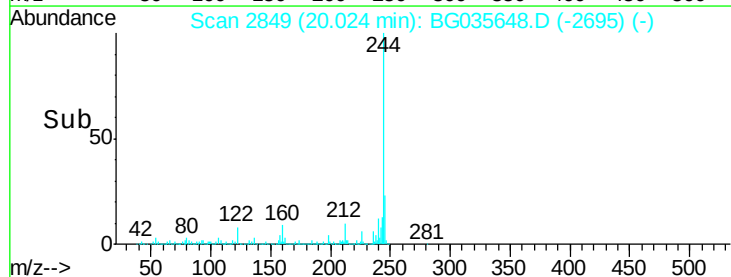
Abundance Ion 184.00 (183.70 to 184.70): E

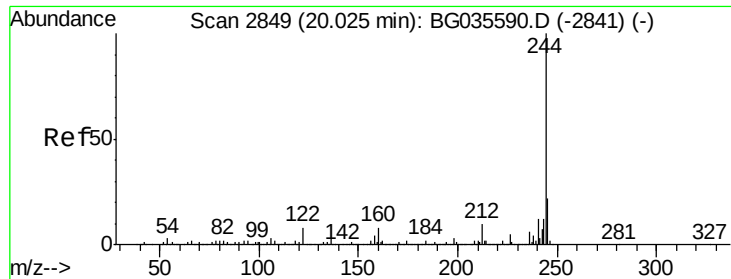
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#78

Terphenyl-d14

Concen: 107.047 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

Instrument :

BNA_G

ClientSampleId :

72-11977

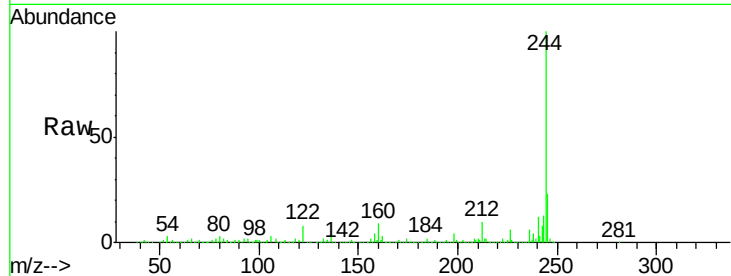
Tgt Ion:244 Resp: 1863624

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

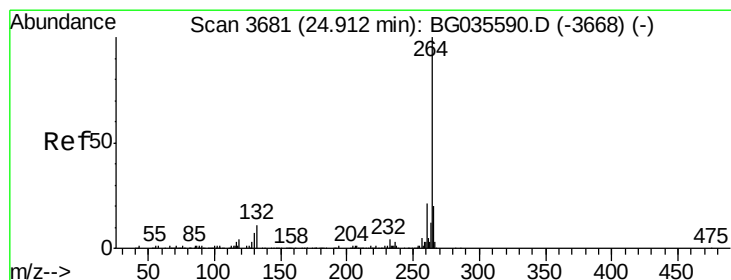
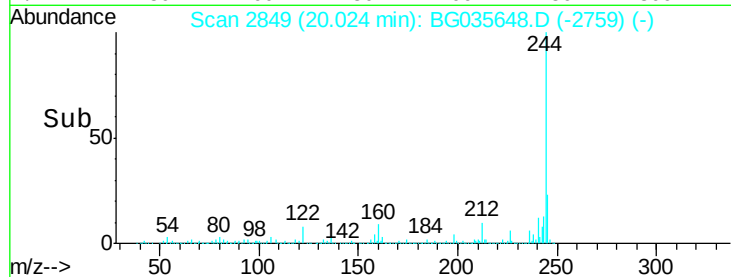
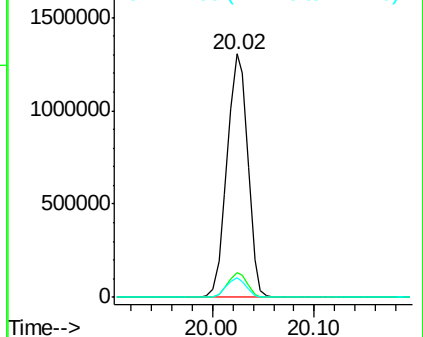
122 8.1 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035648.D

Acq: 14 Jul 2018 3:13

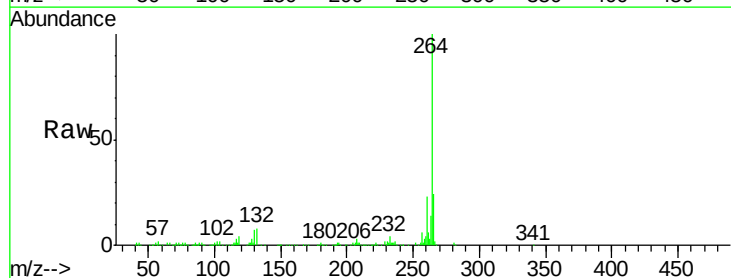
Tgt Ion:264 Resp: 364354

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 24.1 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

