

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071618\
 Data File : BG035663.D
 Acq On : 16 Jul 2018 10:46
 Operator : JU/SJ
 Sample : J3975-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-8

Quant Time: Jul 16 11:28:21 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

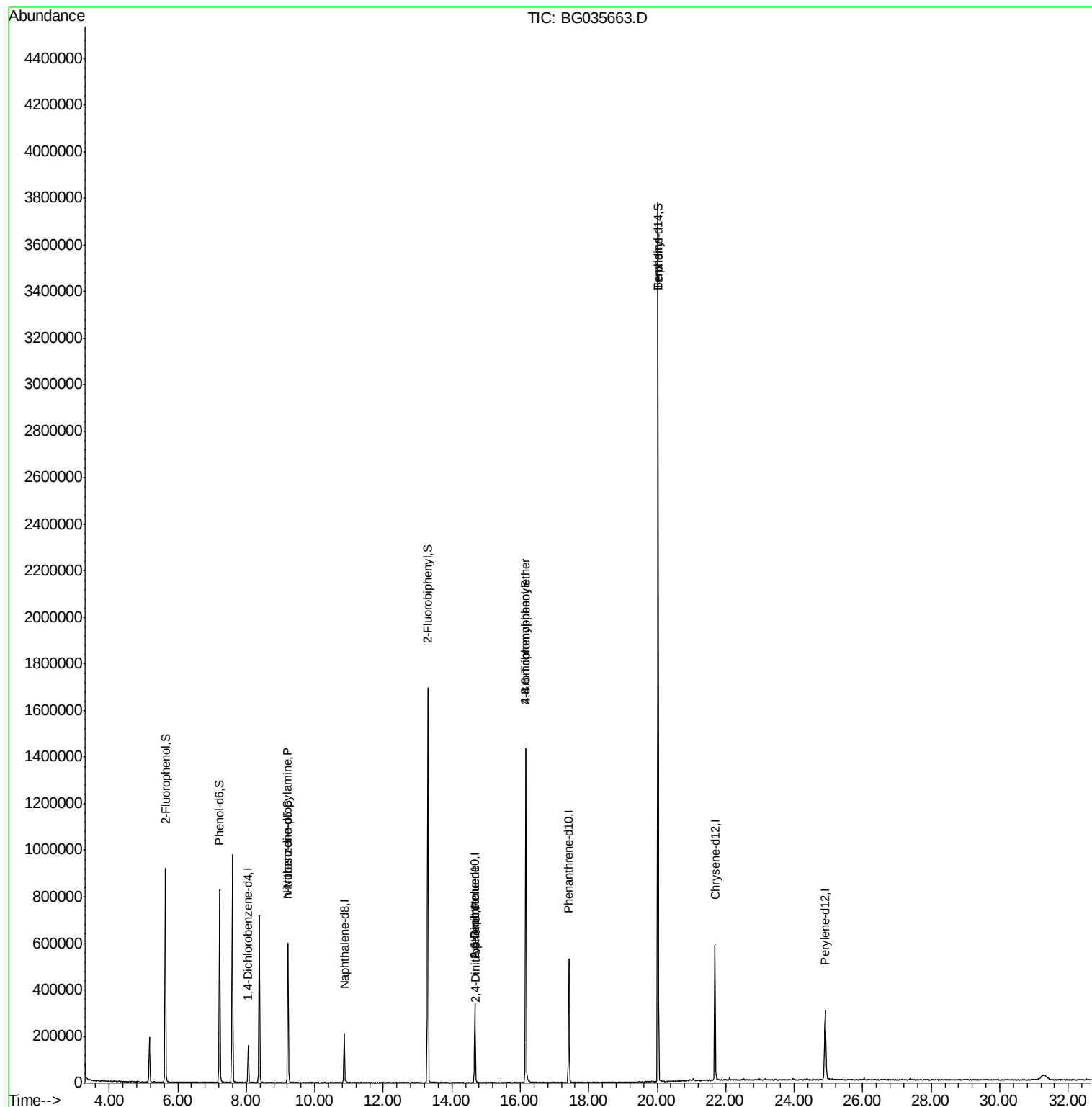
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45142	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	170453	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	121477	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	349253	20.00	ng	0.00
75) Chrysene-d12	21.69	240	374062	20.00	ng	0.00
86) Perylene-d12	24.91	264	343350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	383824	141.16	ng	0.00
7) Phenol-d6	7.22	99	496987	122.51	ng	0.00
23) Nitrobenzene-d5	9.22	82	405549	99.39	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	269011	168.01	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	910940	100.47	ng	0.00
78) Terphenyl-d14	20.02	244	1704296	100.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56349	16.495	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	16497	7.612	ng	# 21
53) 2,4-Dinitrophenol	14.70	184	62	6.633	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	16497	5.306	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	22292	5.502	ng	# 1
76) Benzidine	20.02	184	33089	3.365	ng	# 91

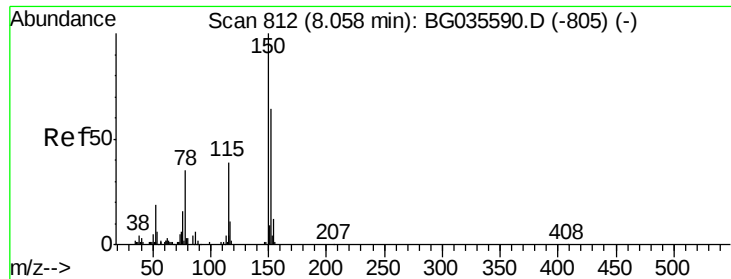
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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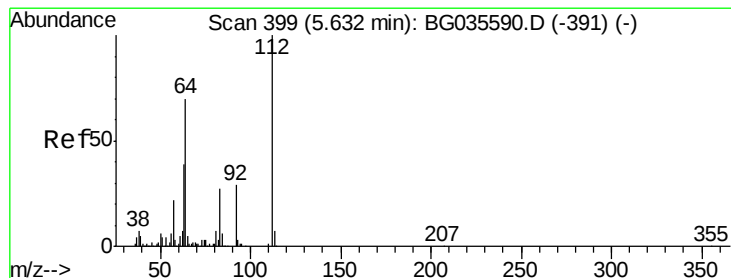
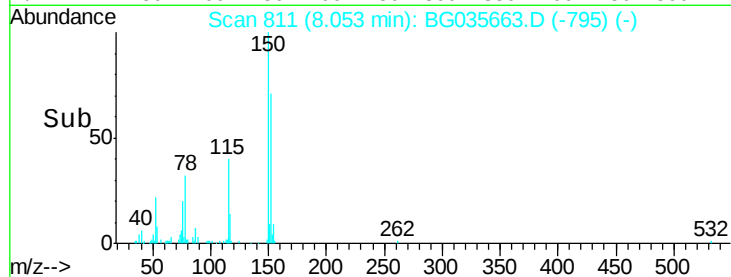
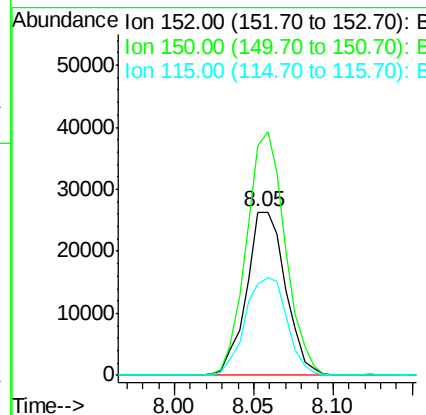
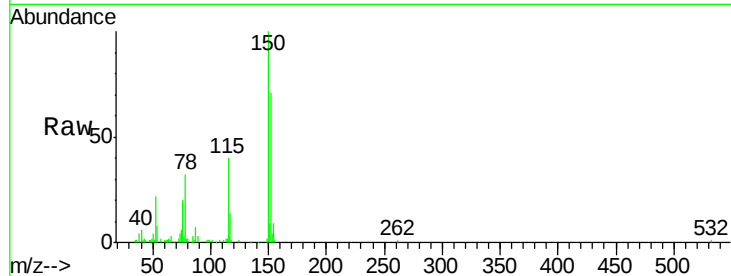


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

Instrument :
BNA_G
ClientSampleId :
PAR-8

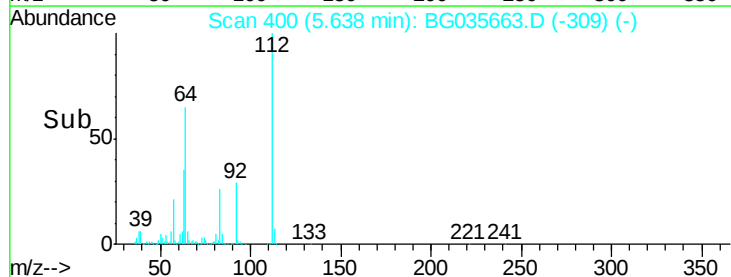
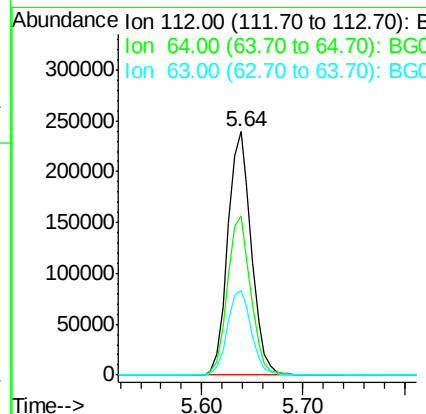
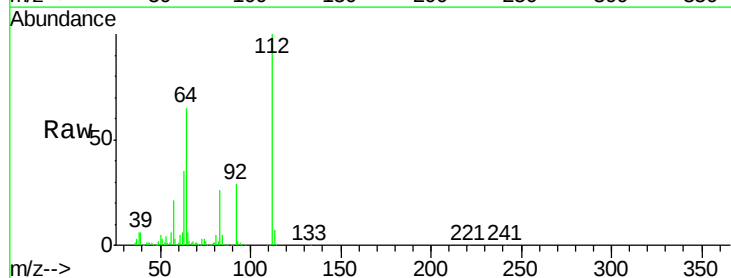
Tgt Ion:152 Resp: 45142
Ion Ratio Lower Upper
152 100
150 140.5 126.6 189.8
115 56.1 53.0 79.4

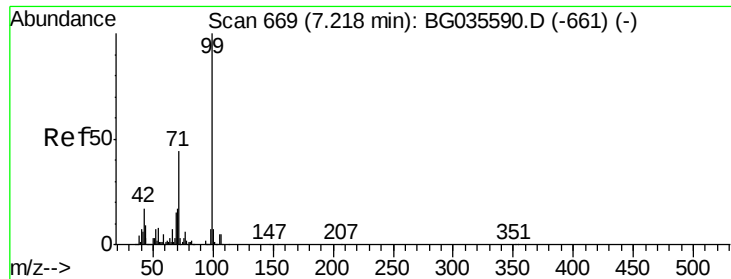


#5

2-Fluorophenol
Concen: 141.163 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

Tgt Ion:112 Resp: 383824
Ion Ratio Lower Upper
112 100
64 65.5 56.3 84.5
63 34.8 30.1 45.1





#7

Phenol-d6

Concen: 122.509 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

Instrument :

BNA_G

ClientSampleId :

PAR-8

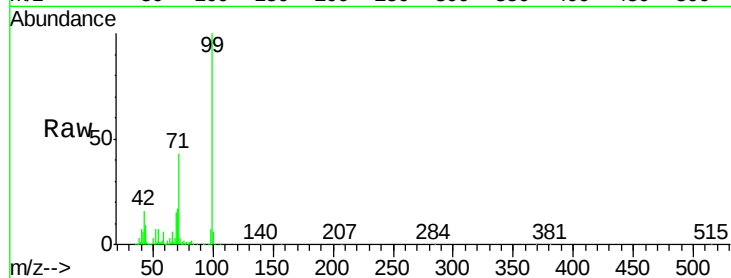
Tgt Ion: 99 Resp: 496987

Ion Ratio Lower Upper

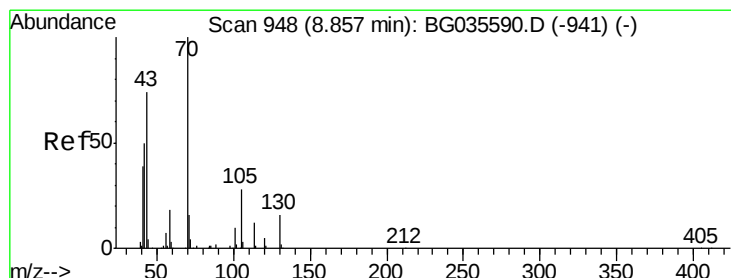
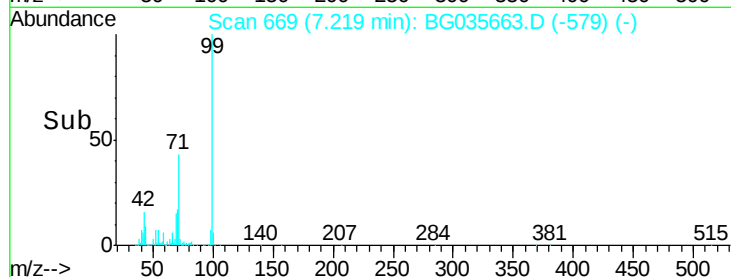
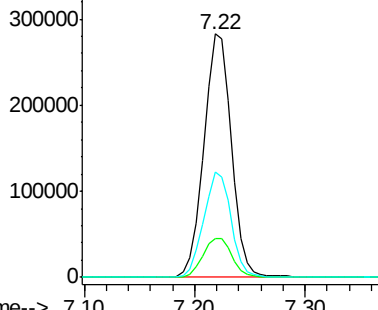
99 100

42 16.0 14.1 21.1

71 43.3 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: 16.495 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

Tgt Ion: 70 Resp: 56349

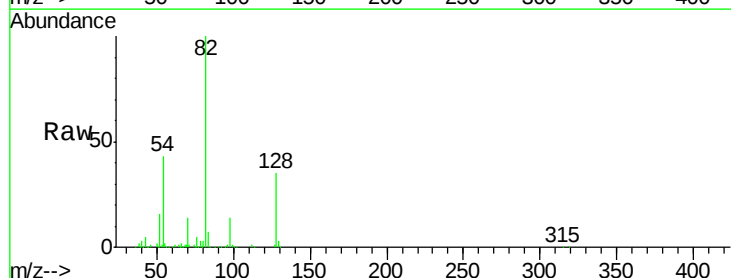
Ion Ratio Lower Upper

70 100

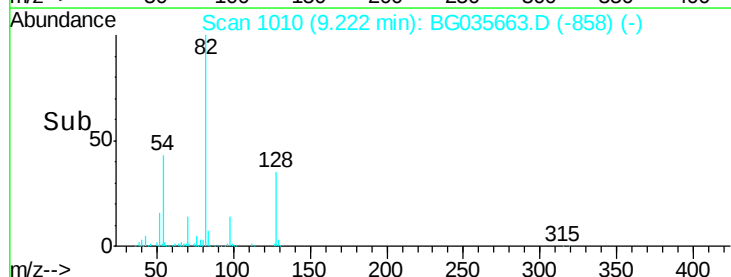
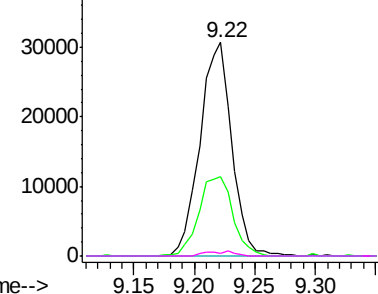
42 37.3 49.1 73.7#

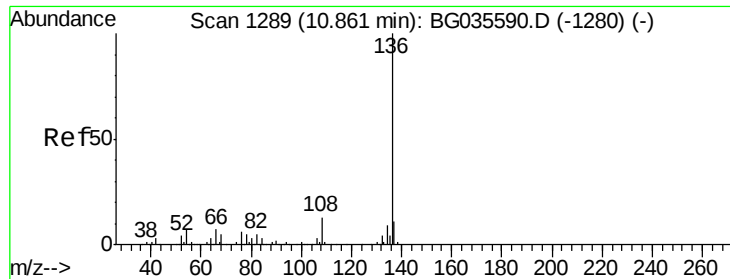
101 0.0 8.5 12.7#

130 1.0 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

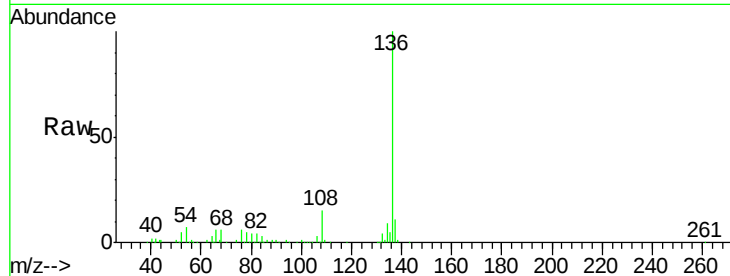




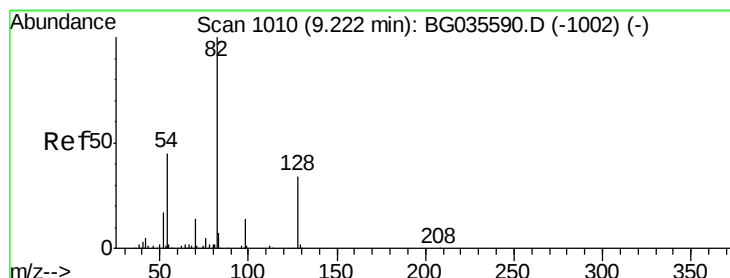
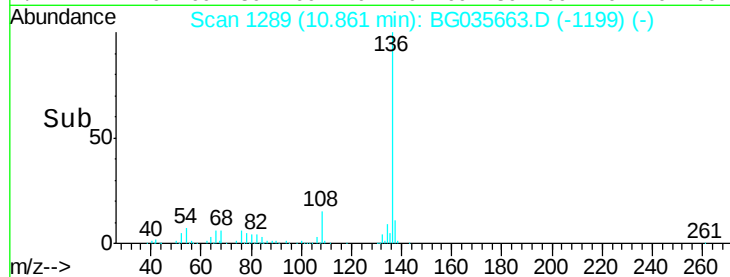
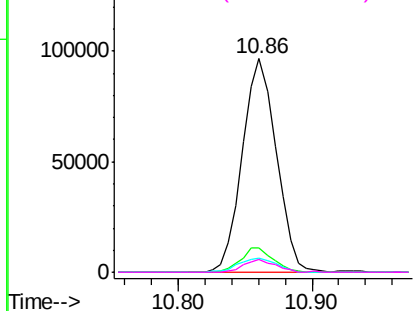
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

Instrument :
BNA_G
ClientSampleId :
PAR-8

Tgt Ion:	136	Resp:	170453
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.7	10.3	15.5
68	6.0	4.5	6.7

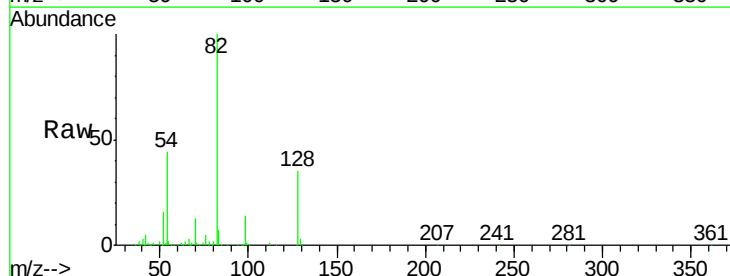


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

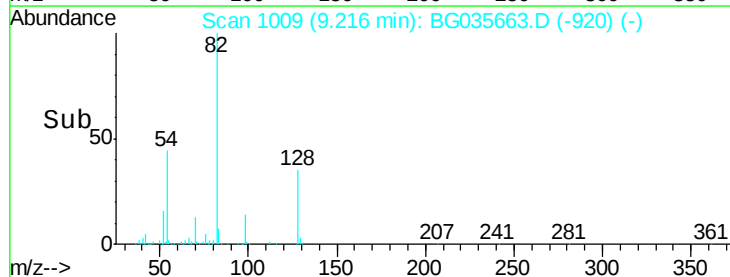
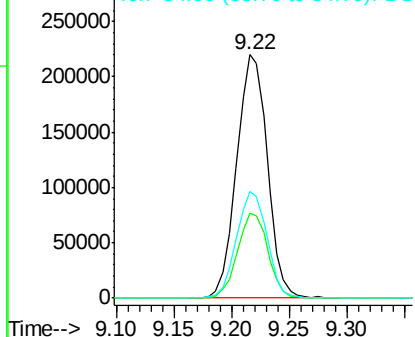


#23
Nitrobenzene-d5
Concen: 99.392 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

Tgt Ion:	82	Resp:	405549
Ion	Ratio	Lower	Upper
82	100		
128	34.9	29.7	44.5
54	43.6	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

Instrument :

BNA_G

ClientSampleId :

PAR-8

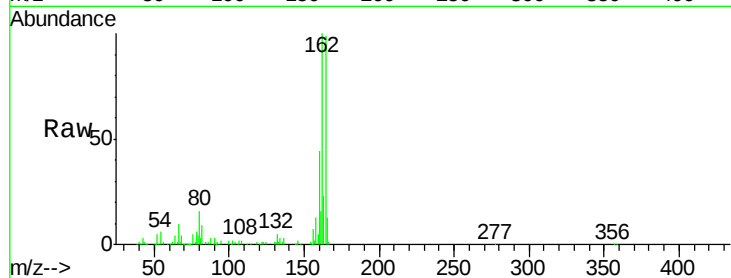
Tgt Ion:164 Resp: 121477

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

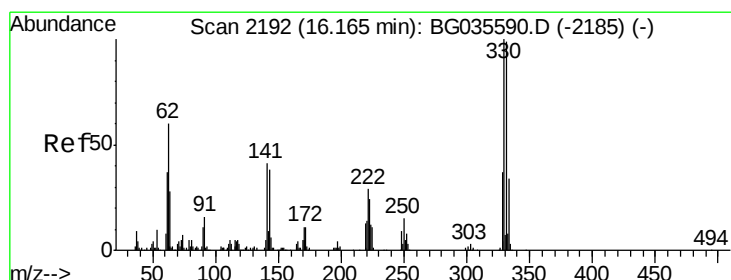
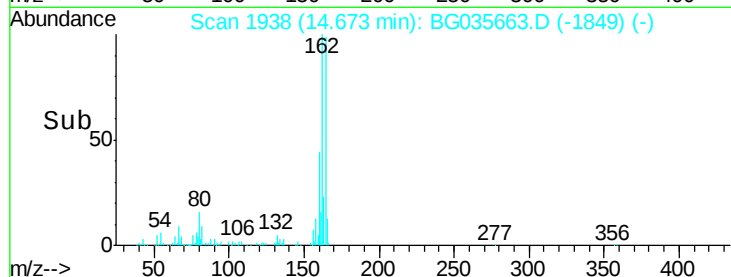
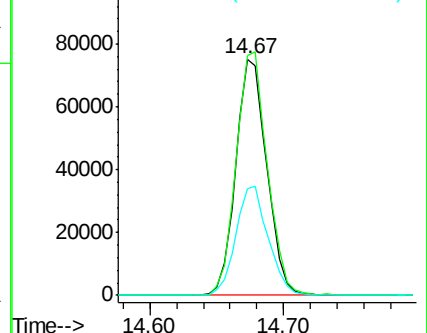
160 45.0 35.4 53.0



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: 168.012 ng

RT: 16.17 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

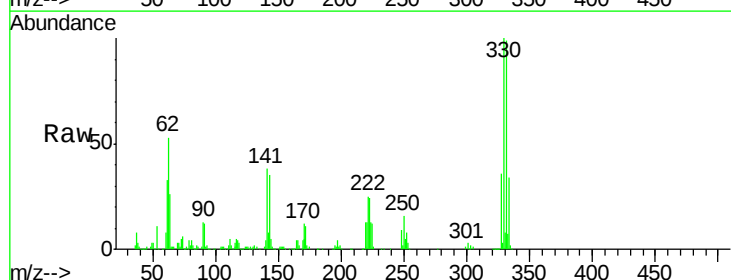
Tgt Ion:330 Resp: 269011

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

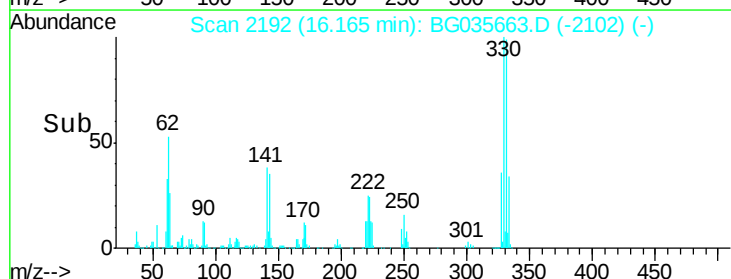
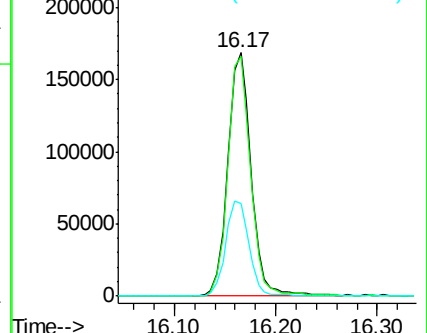
141 39.5 25.2 37.8#

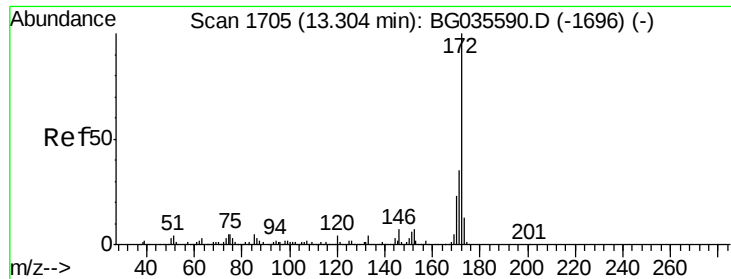


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

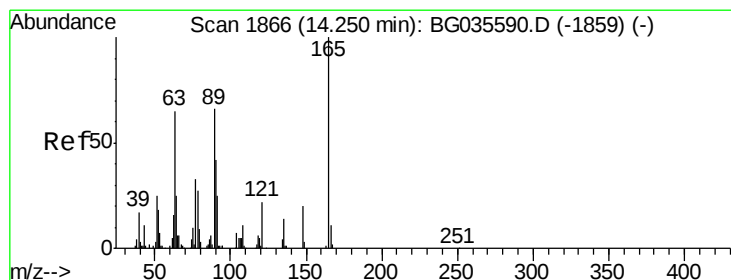
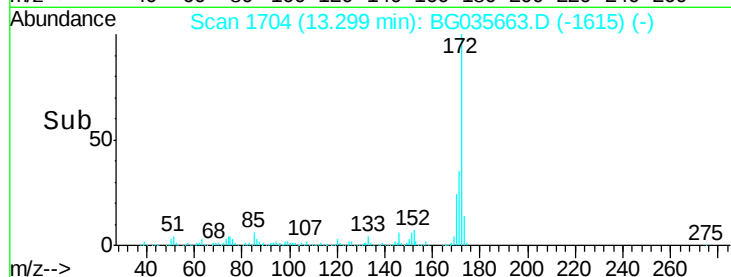
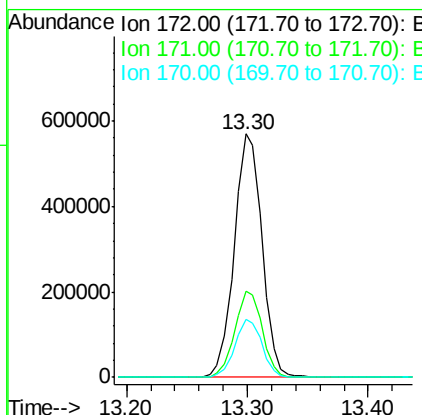
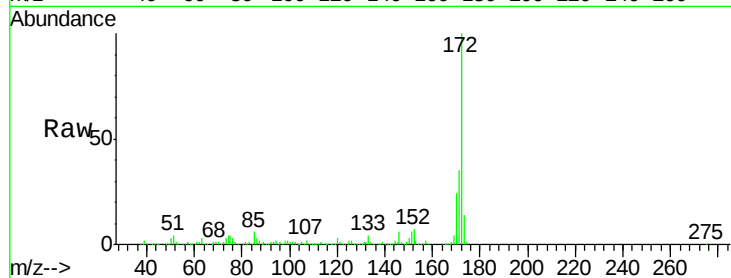




#44
 2-Fluorobiphenyl
 Concen: 100.465 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035663.D
 Acq: 16 Jul 2018 10:46

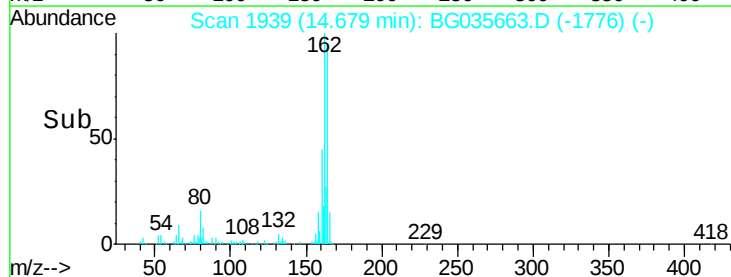
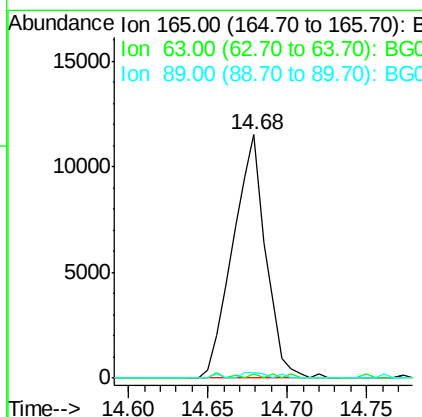
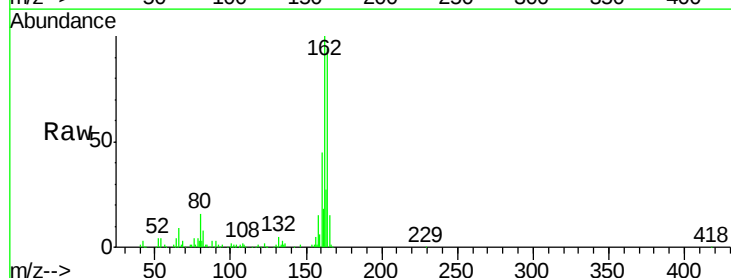
Instrument :
 BNA_G
 ClientSampleId :
 PAR-8

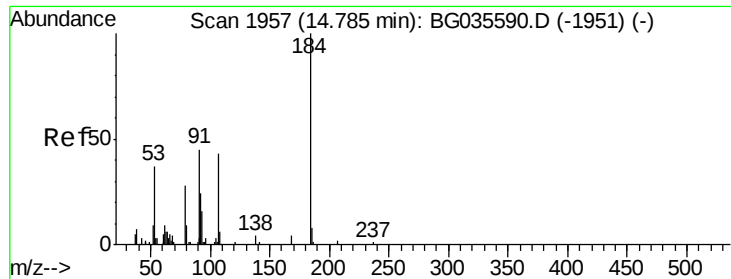
Tgt Ion:172 Resp: 910940
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.612 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.43 min
 Lab File: BG035663.D
 Acq: 16 Jul 2018 10:46

Tgt Ion:165 Resp: 16497
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 2.4 49.2 73.8#

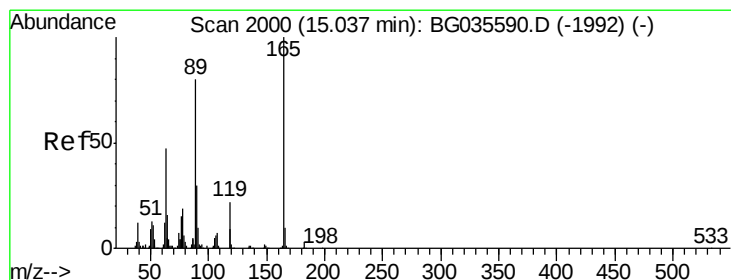
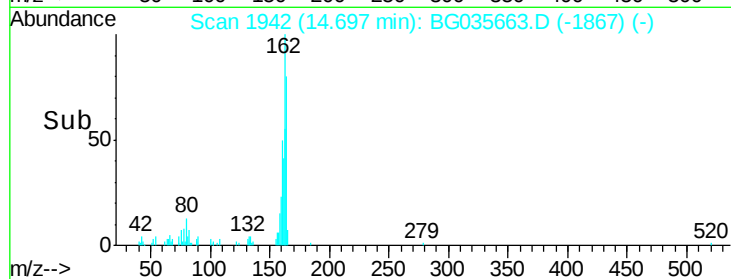
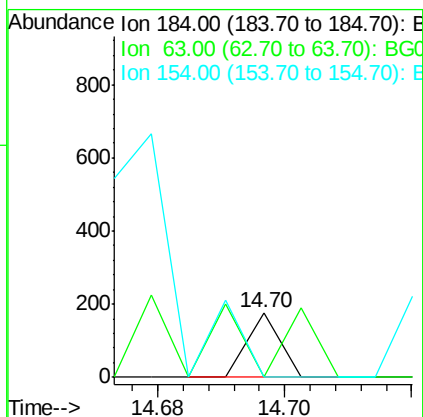
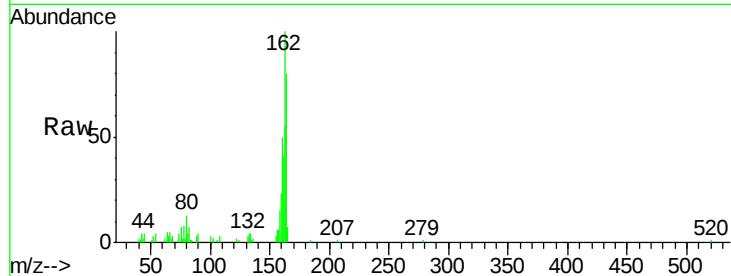




#53
2,4-Dinitrophenol
Concen: 6.633 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.09 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

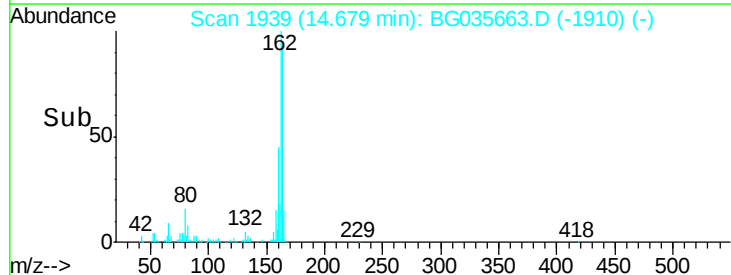
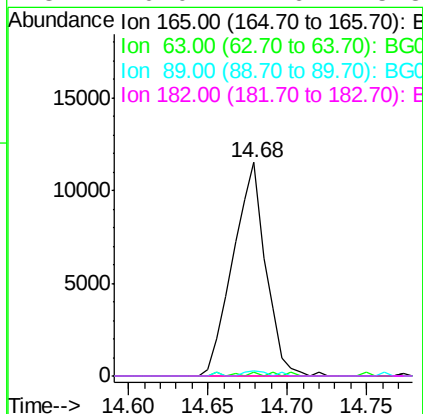
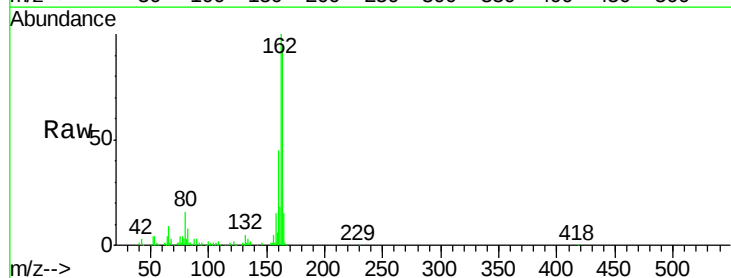
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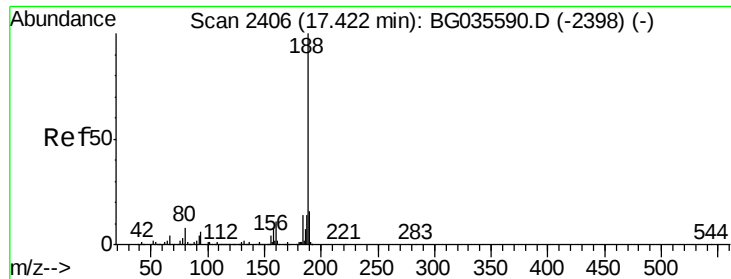
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.306 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035663.D
Acq: 16 Jul 2018 10:46

Tgt Ion:165 Resp: 16497
Ion Ratio Lower Upper
165 100
63 2.0 42.0 63.0#
89 2.4 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: BG035663.D

Acq: 16 Jul 2018 10:46

Instrument :

BNA_G

ClientSampleId :

PAR-8

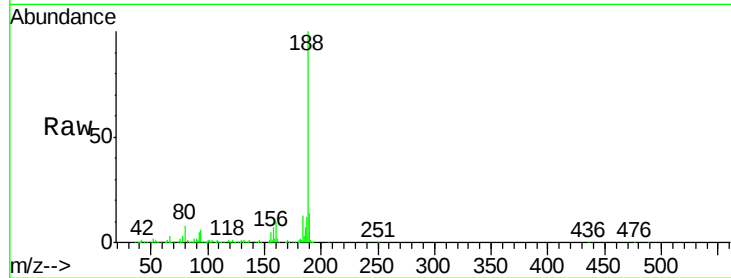
Tgt Ion:188 Resp: 349253

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

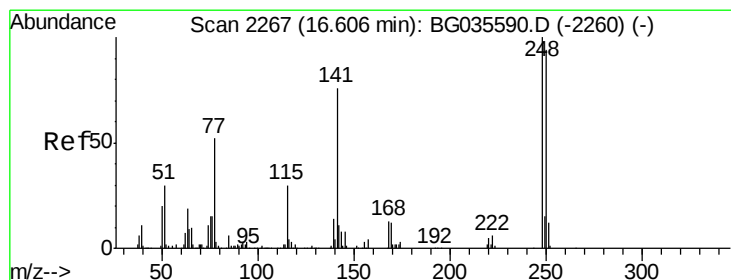
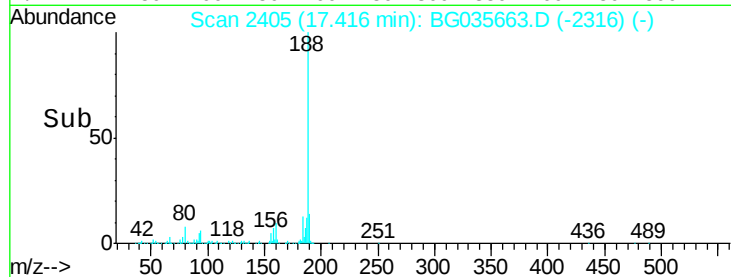
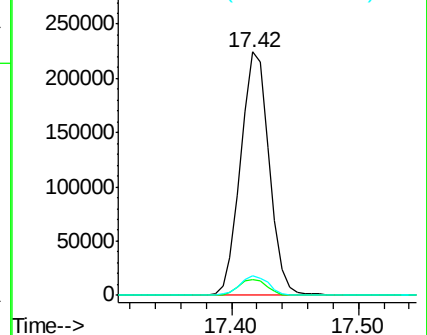
80 8.2 7.7 11.5



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: 5.502 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.44 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

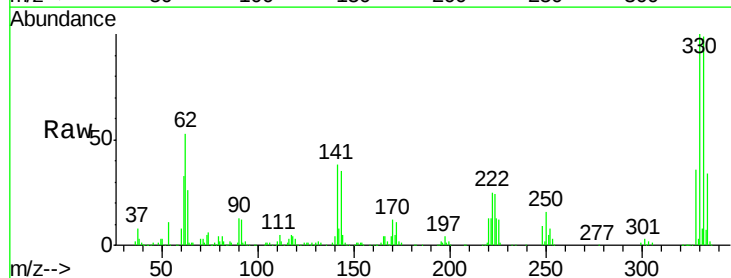
Tgt Ion:248 Resp: 22292

Ion Ratio Lower Upper

248 100

250 181.8 77.1 115.7#

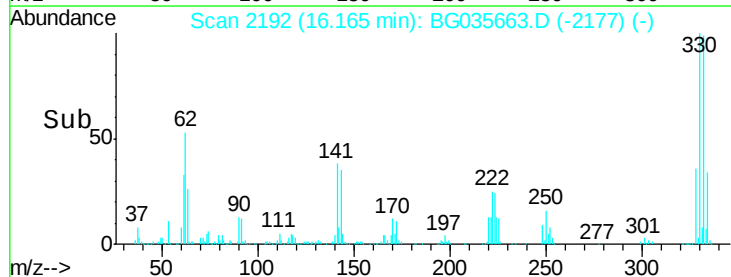
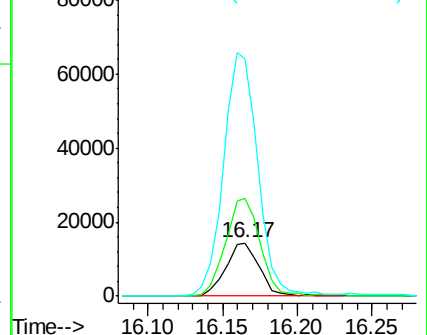
141 443.9 50.8 76.2#

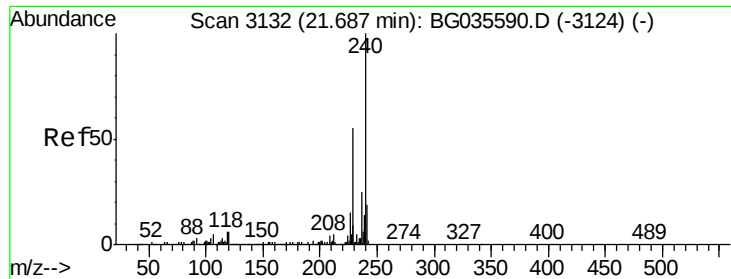


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

Instrument :

BNA_G

ClientSampleId :

PAR-8

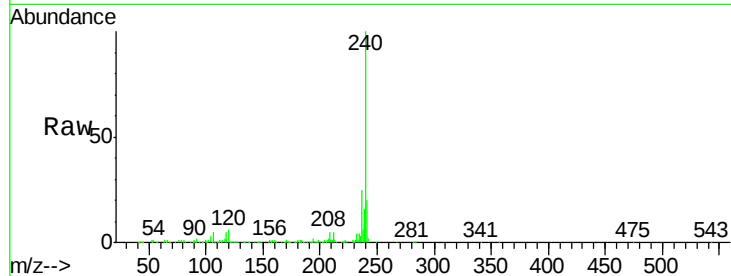
Tgt Ion:240 Resp: 374062

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

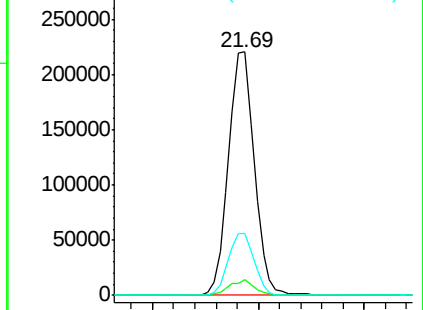
236 25.4 20.9 31.3



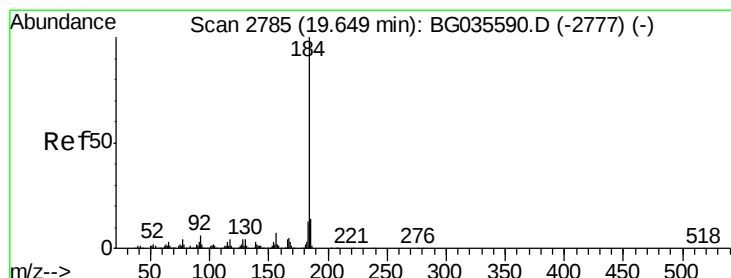
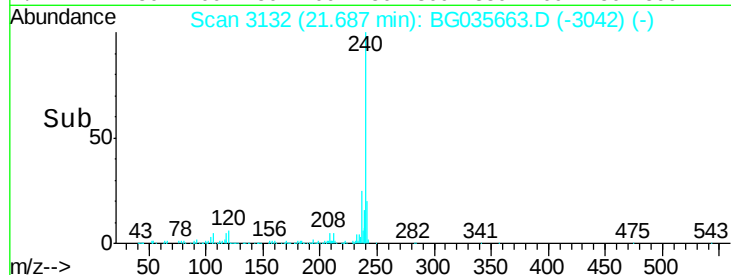
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.365 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

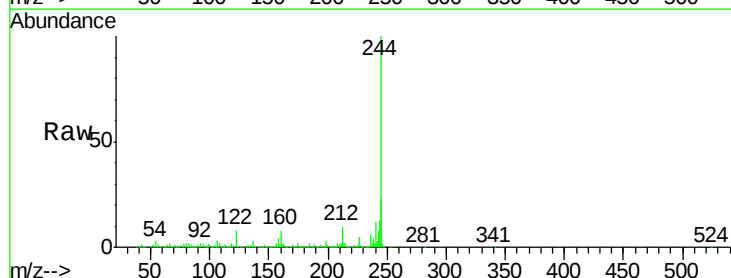
Tgt Ion:184 Resp: 33089

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

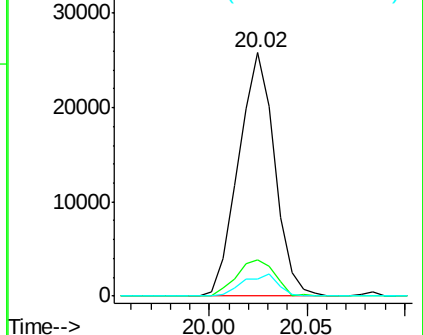
183 7.1 10.6 16.0#



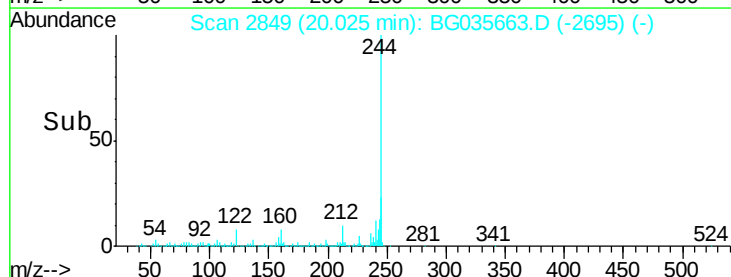
Abundance Ion 184.00 (183.70 to 184.70): E

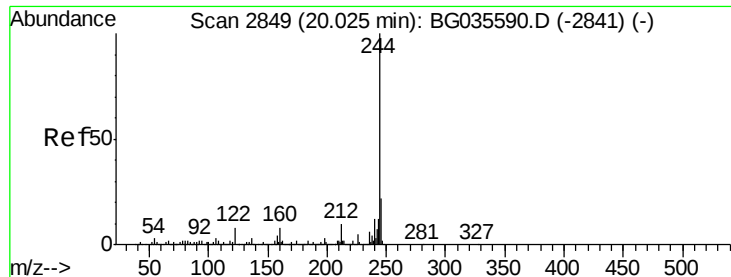
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#78

Terphenyl-d14

Concen: 100.432 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

Instrument :

BNA_G

ClientSampleId :

PAR-8

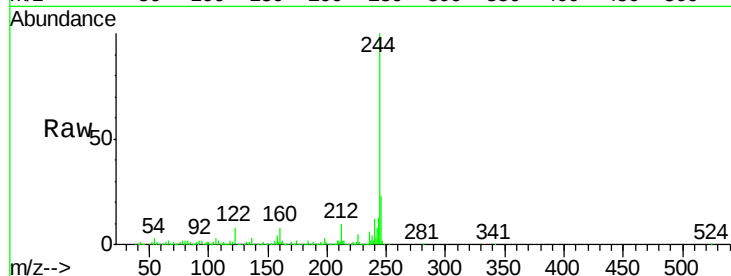
Tgt Ion:244 Resp: 1704296

Ion Ratio Lower Upper

244 100

212 10.1 5.8 8.8#

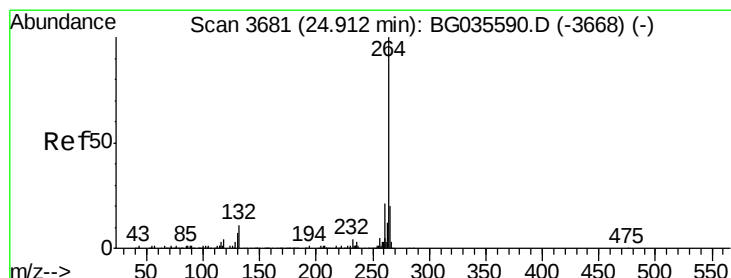
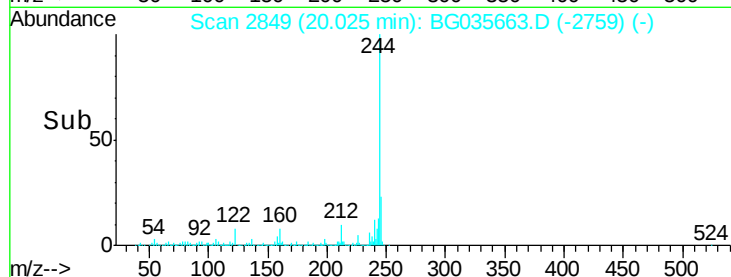
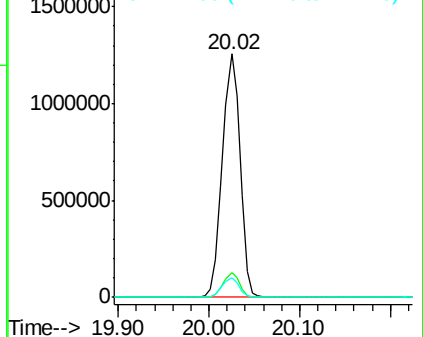
122 8.2 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035663.D

Acq: 16 Jul 2018 10:46

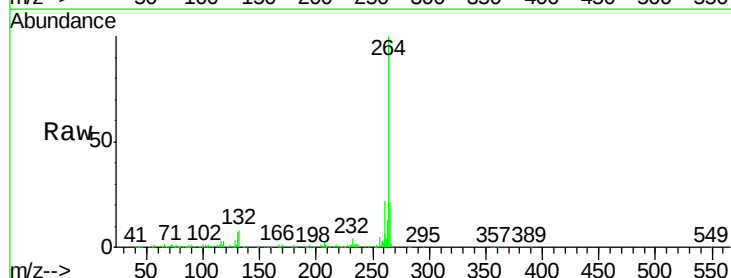
Tgt Ion:264 Resp: 343350

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 21.0 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

