

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035781.D
 Acq On : 20 Jul 2018 12:21
 Operator : JU/SJ
 Sample : PB111272TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111272TB

Quant Time: Jul 20 12:57:02 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

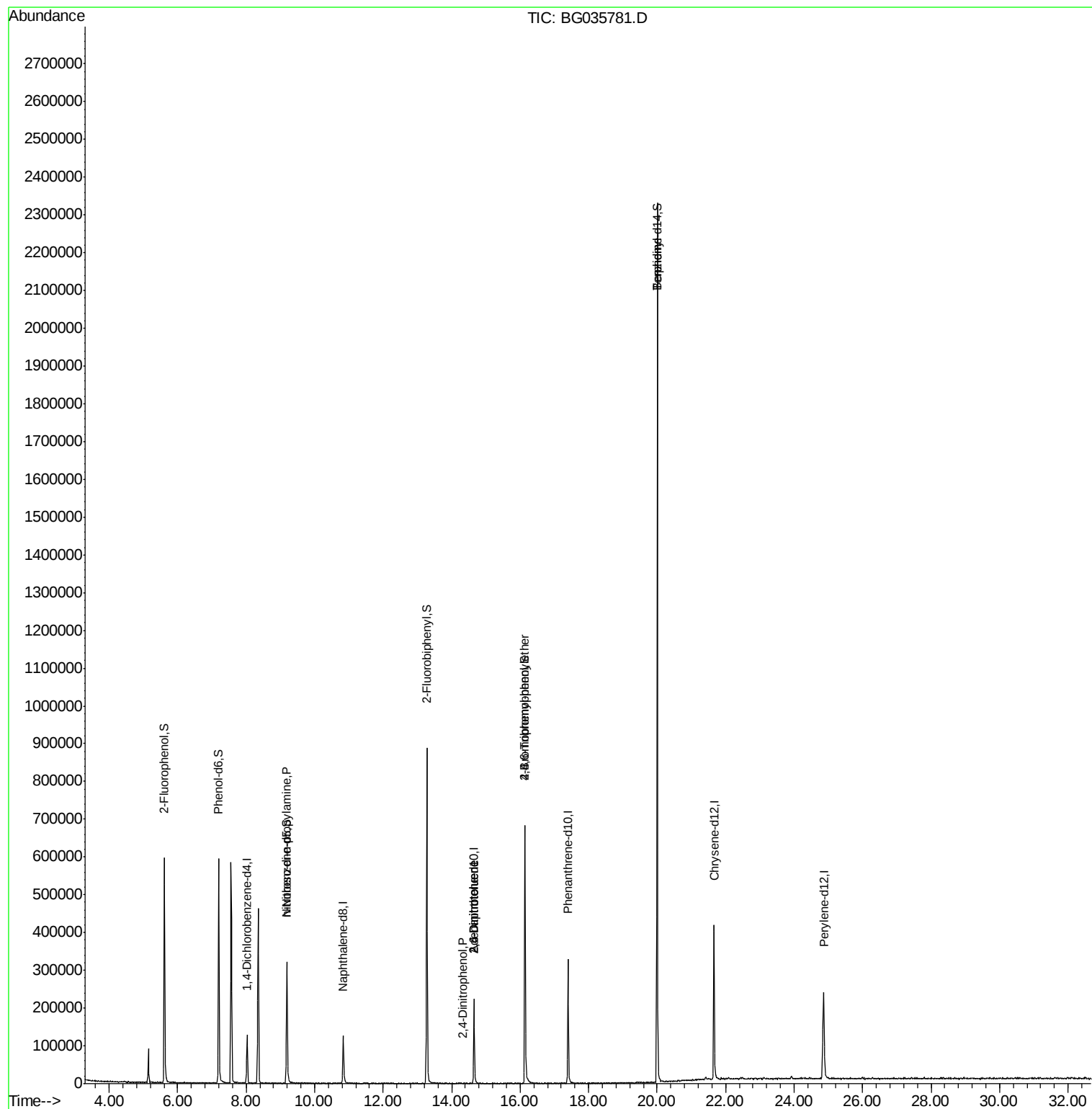
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	36162	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	129379	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	85809	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	247795	20.00	ng	0.00
75) Chrysene-d12	21.66	240	296058	20.00	ng	-0.02
86) Perylene-d12	24.86	264	266267	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	264906	121.62	ng	0.00
7) Phenol-d6	7.20	99	371800	114.41	ng	0.00
23) Nitrobenzene-d5	9.19	82	233998	75.55	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	138264	122.25	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	540574	84.40	ng	0.00
78) Terphenyl-d14	20.00	244	1121588	83.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	32531	11.888	ng	# 67
50) 2,6-Dinitrotoluene	14.65	165	11654	7.612	ng	# 20
53) 2,4-Dinitrophenol	14.31	184	53	6.644	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	11654	5.306	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	10800	3.757	ng	# 1
76) Benzidine	20.00	184	19034	2.445	ng	# 92

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

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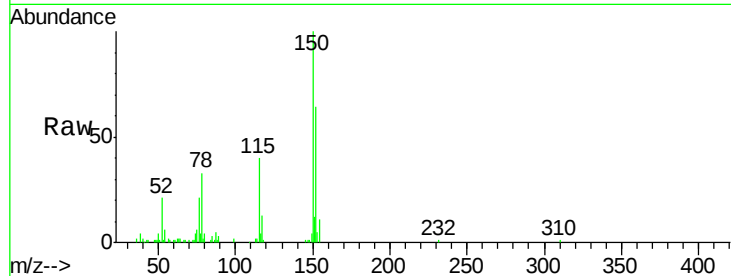


#1

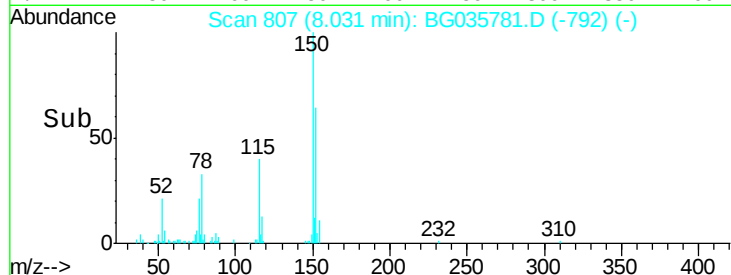
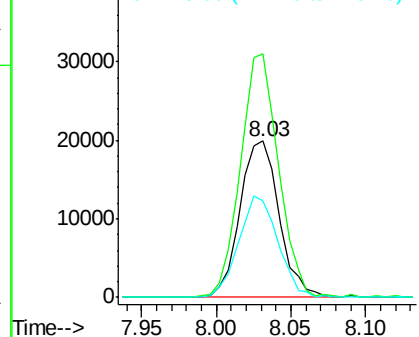
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Instrument :
BNA_G
ClientSampleId :
PB111272TB

Tgt Ion:152 Resp: 36162
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 61.7 53.0 79.4



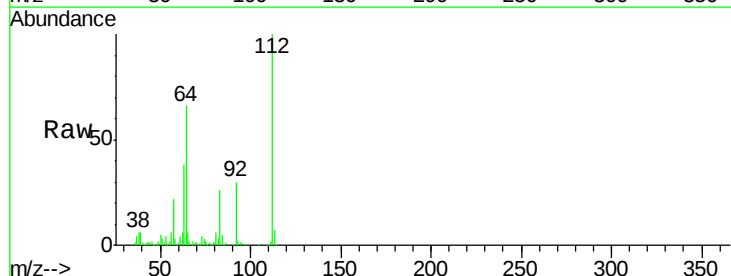
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



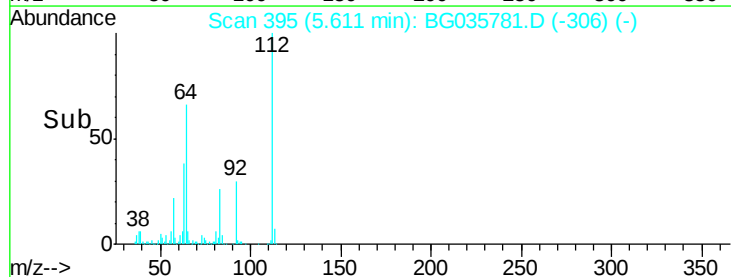
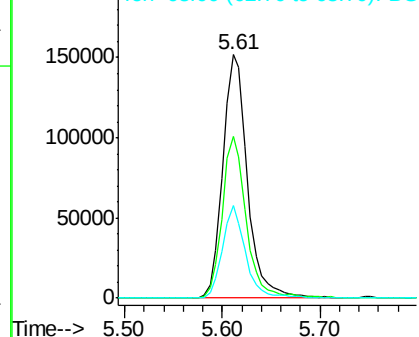
#5

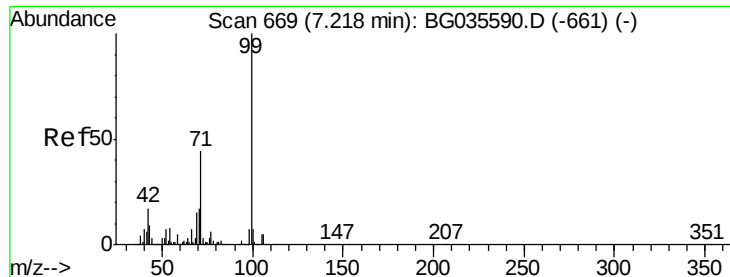
2-Fluorophenol
Concen: 121.621 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Tgt Ion:112 Resp: 264906
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 38.2 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: 114.409 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

Instrument :

BNA_G

ClientSampleId :

PB111272TB

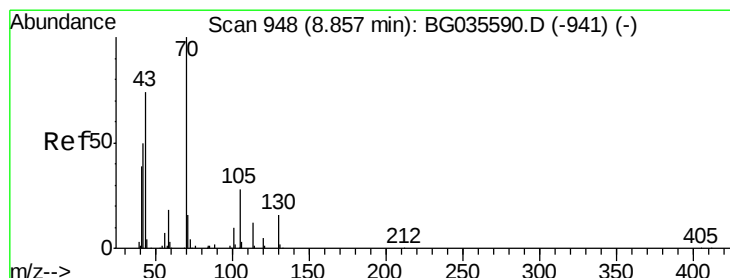
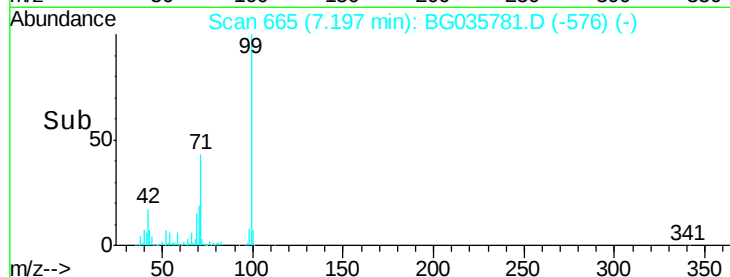
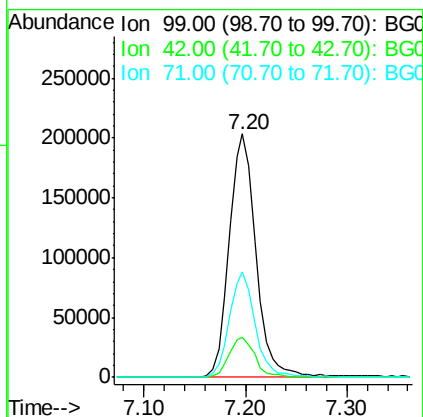
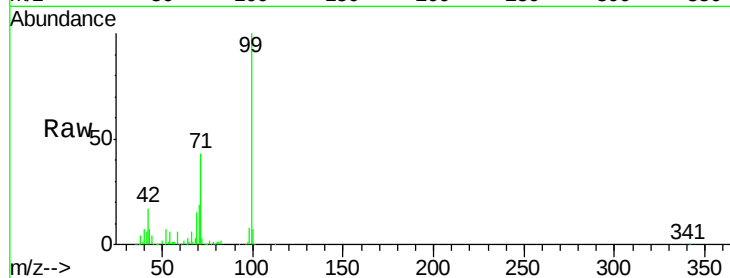
Tgt Ion: 99 Resp: 371800

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

71 43.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 11.888 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

Tgt Ion: 70 Resp: 32531

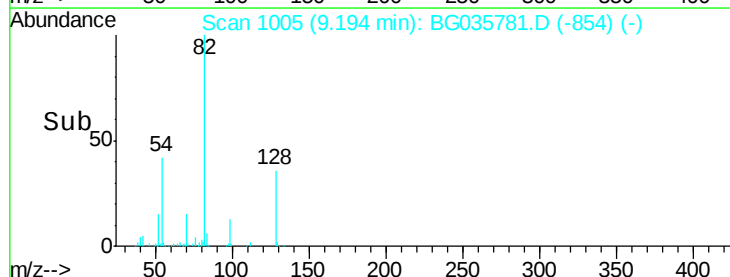
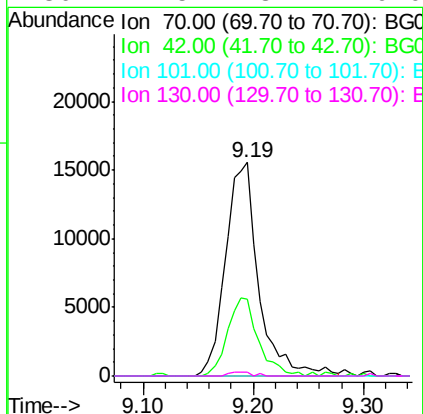
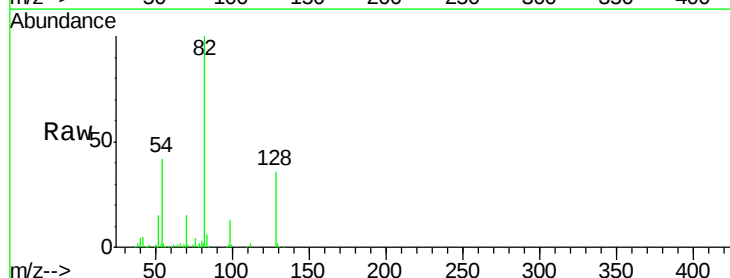
Ion Ratio Lower Upper

70 100

42 35.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

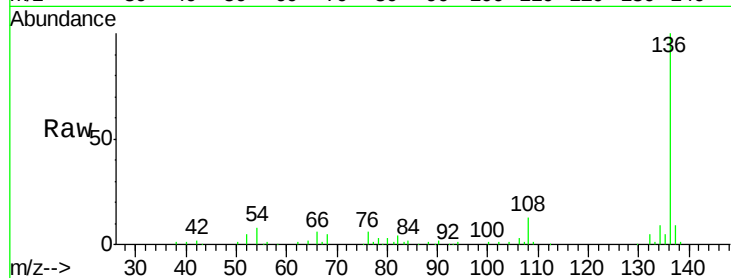




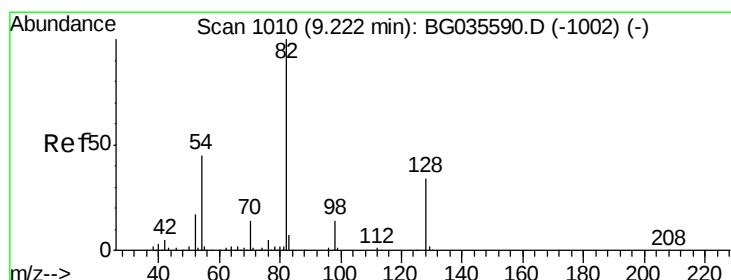
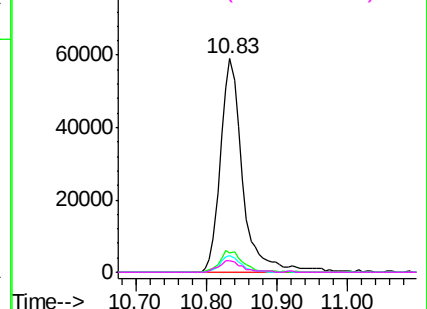
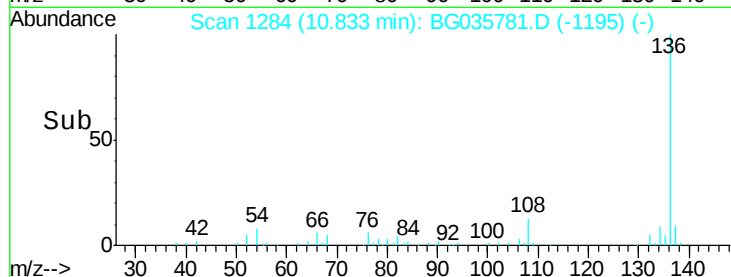
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Instrument :
BNA_G
ClientSampleId :
PB111272TB

Tgt Ion:	136	Resp:	129379
Ion	Ratio	Lower	Upper
136	100		
137	9.2	9.2	13.8
54	7.6	10.3	15.5#
68	5.3	4.5	6.7

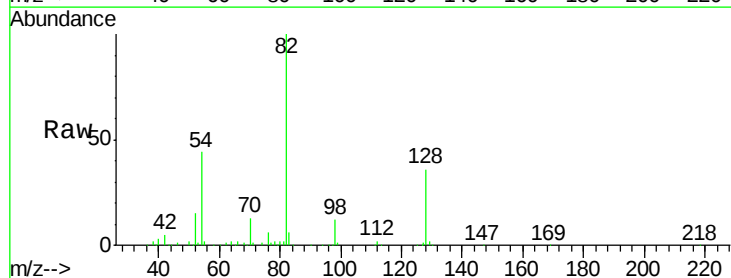


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

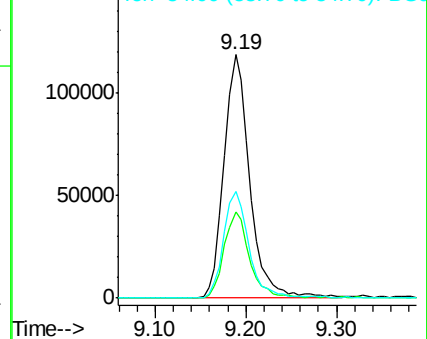
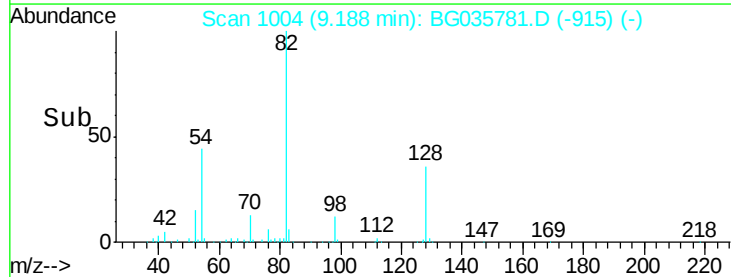


#23
Nitrobenzene-d5
Concen: 75.555 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Tgt Ion:	82	Resp:	233998
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	43.8	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

Instrument :

BNA_G

ClientSampleId :

PB111272TB

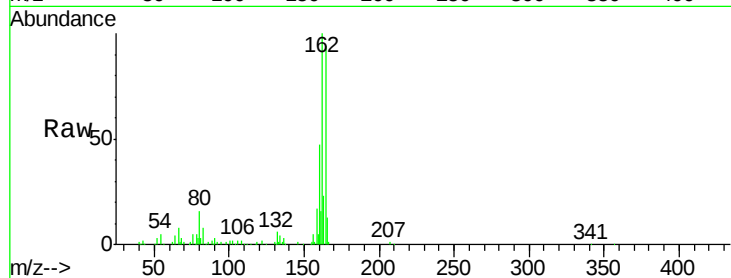
Tgt Ion:164 Resp: 85809

Ion Ratio Lower Upper

164 100

162 106.8 78.8 118.2

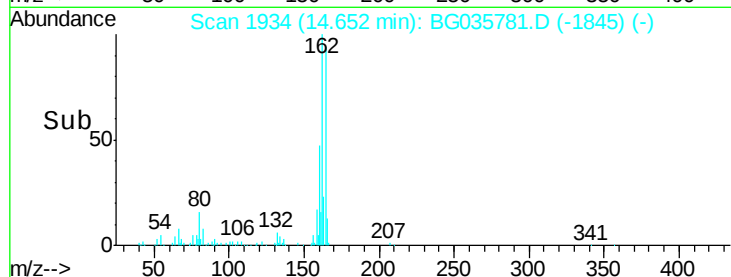
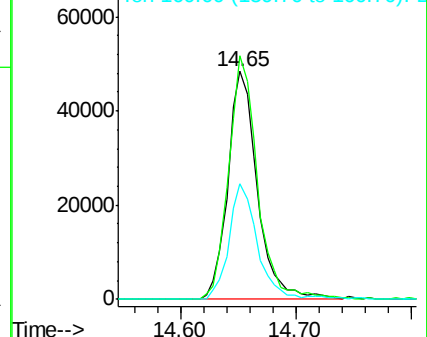
160 50.6 35.4 53.0



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: 122.247 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

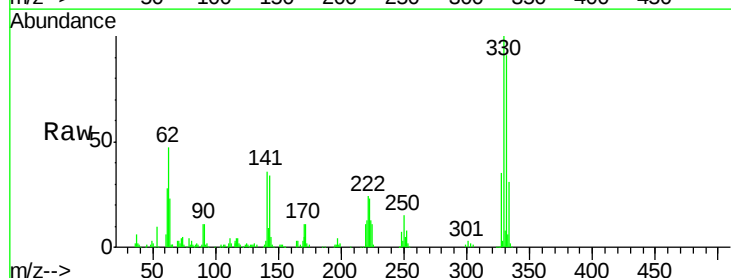
Tgt Ion:330 Resp: 138264

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

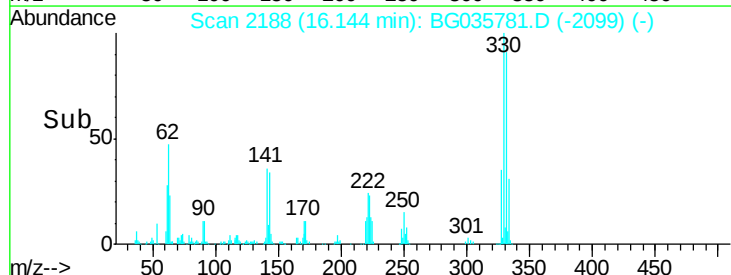
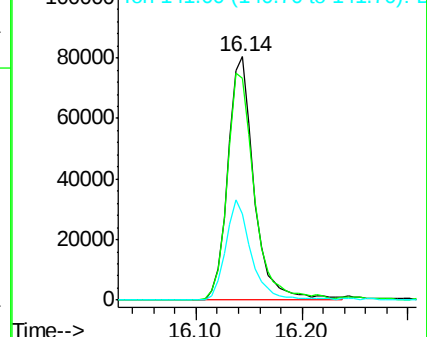
141 40.1 25.2 37.8#

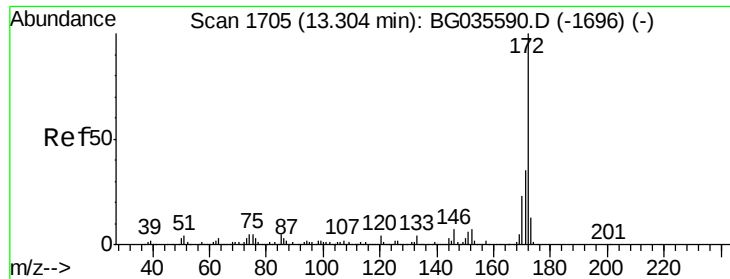


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

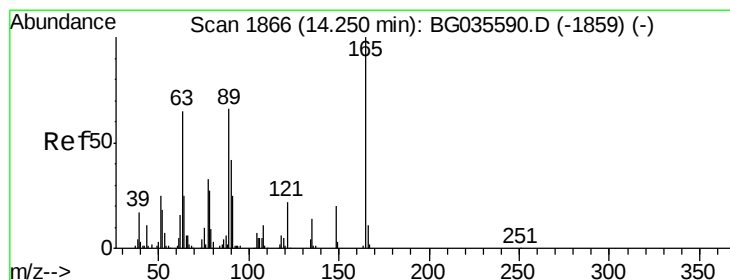
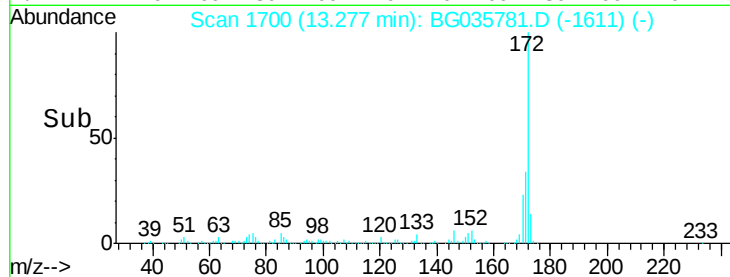
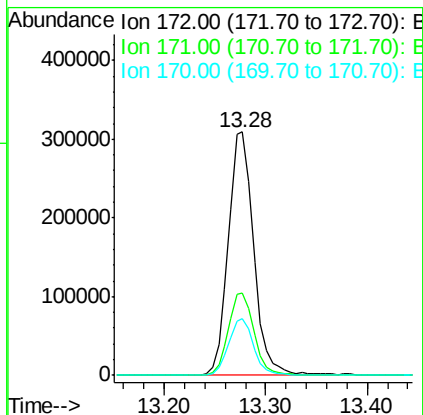
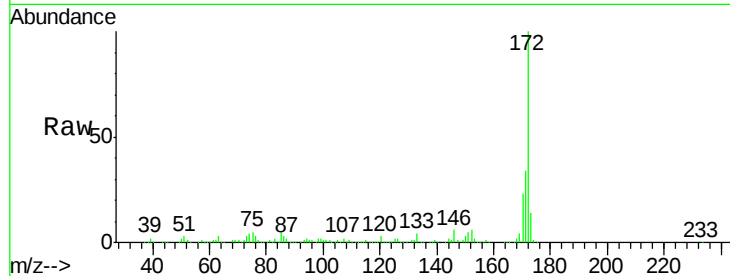




#44
2-Fluorobiphenyl
Concen: 84.400 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

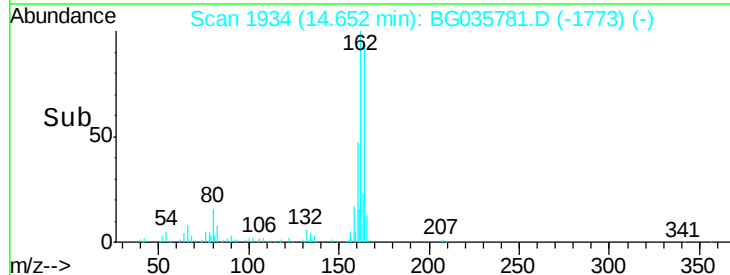
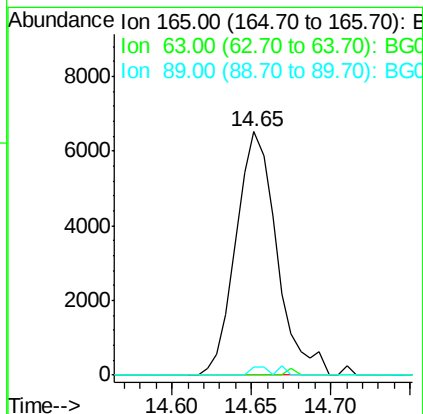
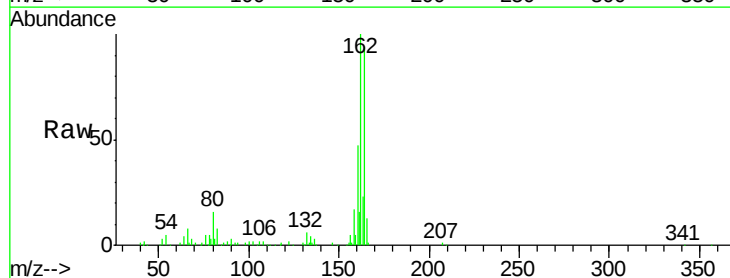
Instrument :
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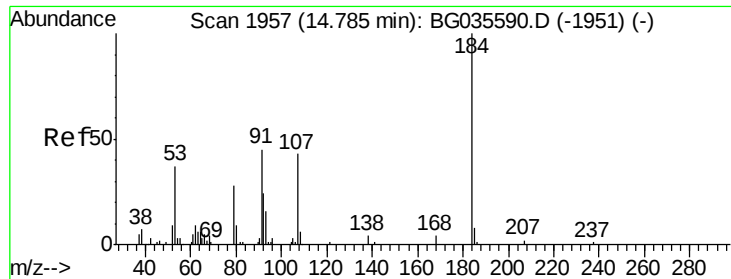
Tgt Ion:172 Resp: 540574
Ion Ratio Lower Upper
172 100
171 33.8 30.0 45.0
170 23.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.612 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.41 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Tgt Ion:165 Resp: 11654
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.1 49.2 73.8#

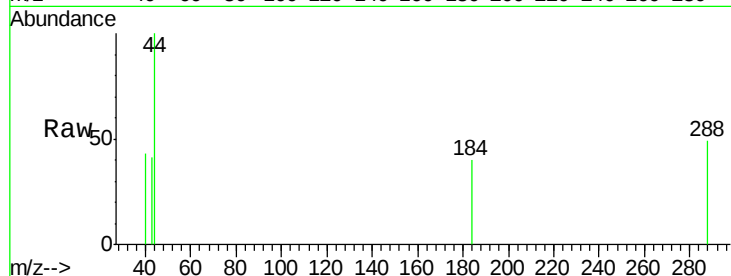




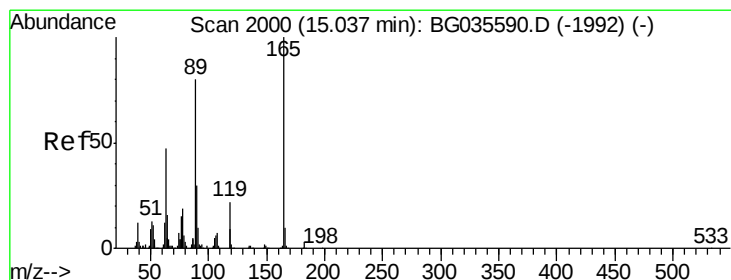
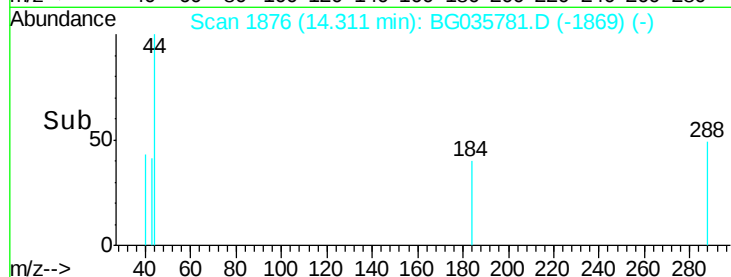
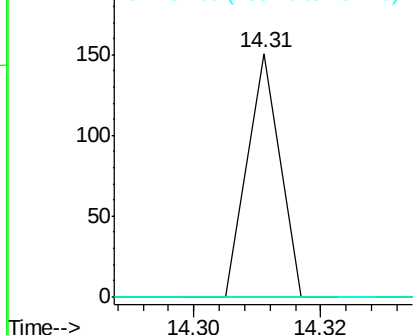
#53
2,4-Dinitrophenol
Concen: 6.644 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.49 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Instrument :
BNA_G
ClientSampleId :
PB111272TB

Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

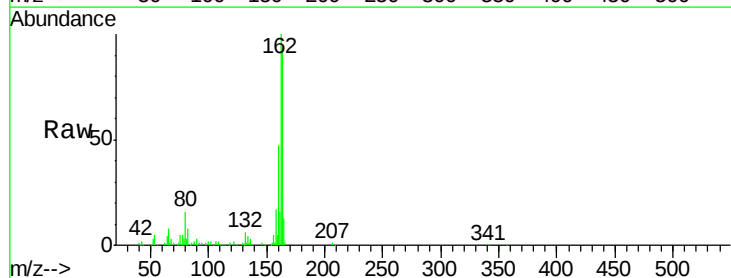


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

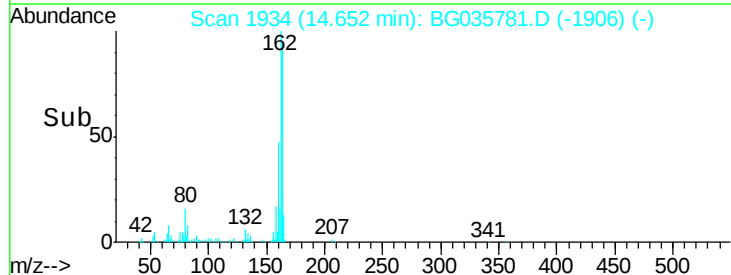
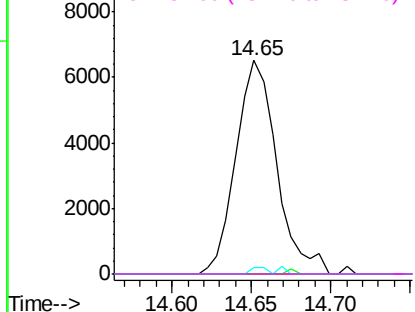


#56
2,4-Dinitrotoluene
Concen: 5.306 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG035781.D
Acq: 20 Jul 2018 12:21

Tgt Ion:165 Resp: 11654
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.1 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. -0.01 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

Instrument :

BNA_G

ClientSampleId :

PB111272TB

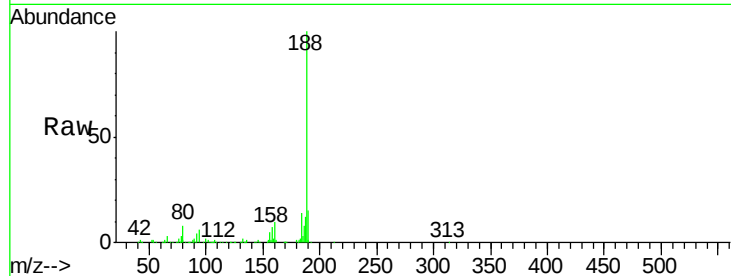
Tgt Ion:188 Resp: 247795

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

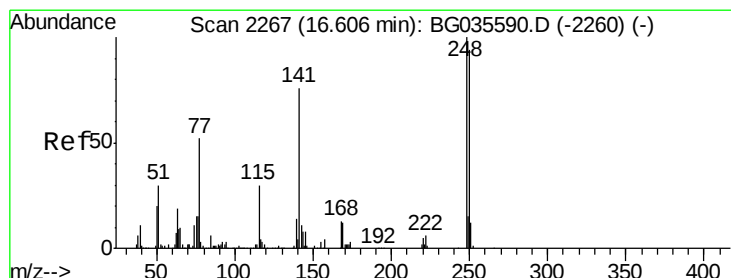
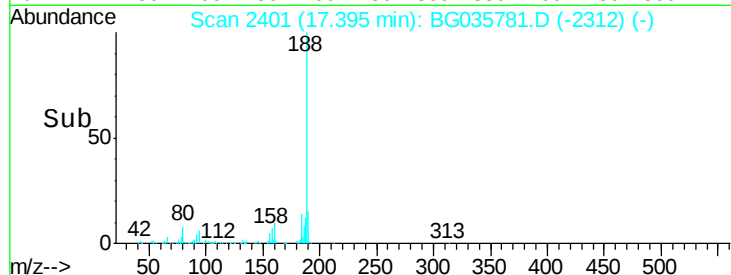
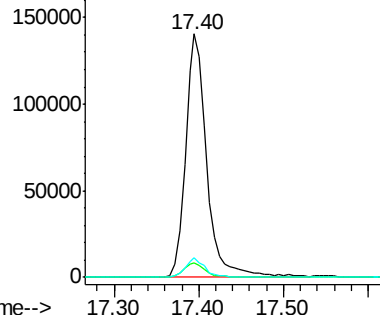
80 8.2 7.7 11.5



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: 3.757 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.46 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

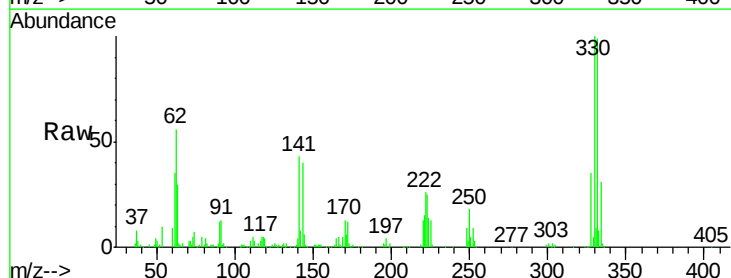
Tgt Ion:248 Resp: 10800

Ion Ratio Lower Upper

248 100

250 213.1 77.1 115.7#

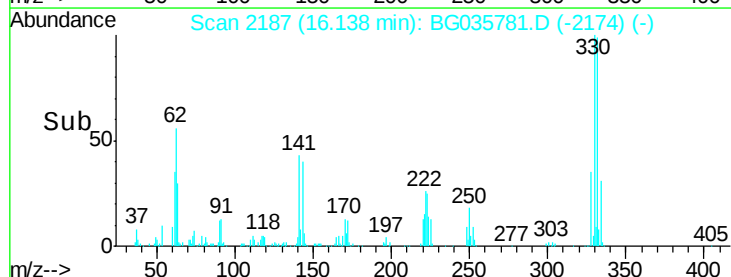
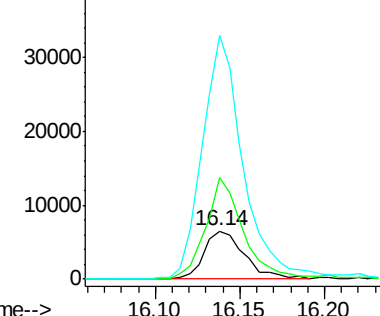
141 508.0 50.8 76.2#



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: 21.66 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

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PB111272TB

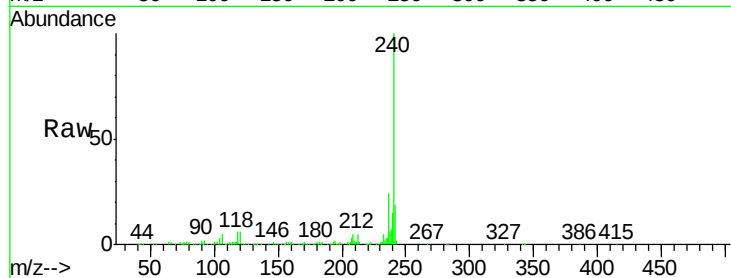
Tgt Ion:240 Resp: 296058

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

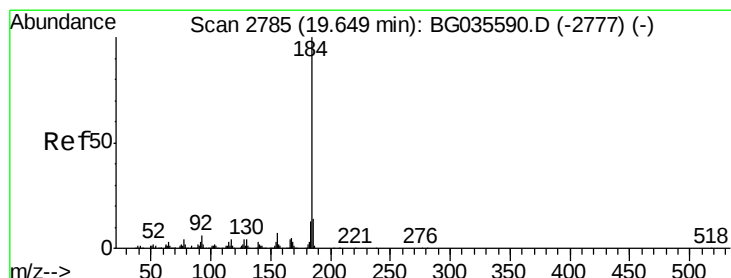
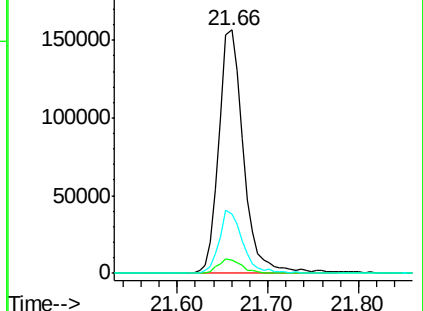
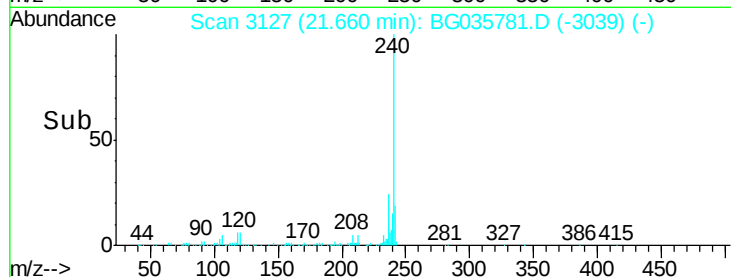
236 24.2 20.9 31.3



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: 2.445 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

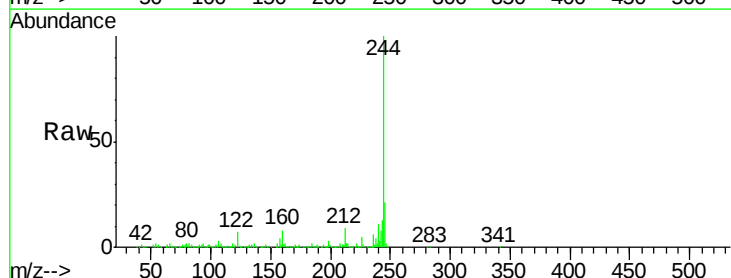
Tgt Ion:184 Resp: 19034

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

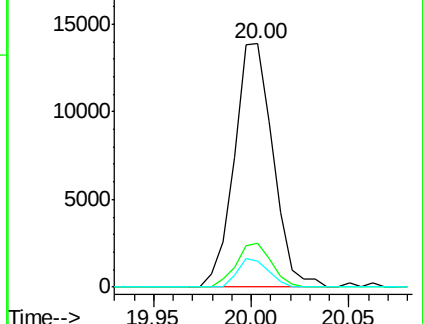
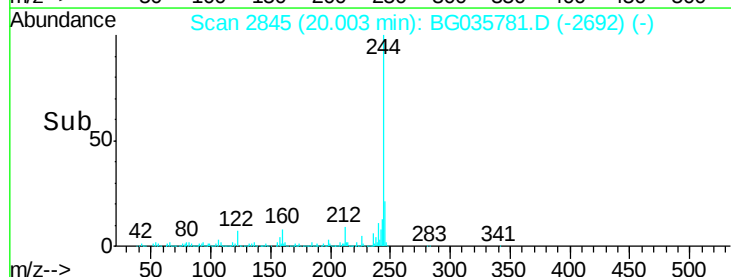
183 10.5 10.6 16.0#

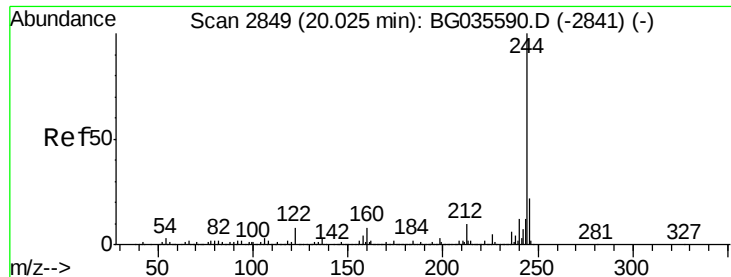


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 83.508 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035781.D

Acq: 20 Jul 2018 12:21

Instrument :

BNA_G

ClientSampleId :

PB111272TB

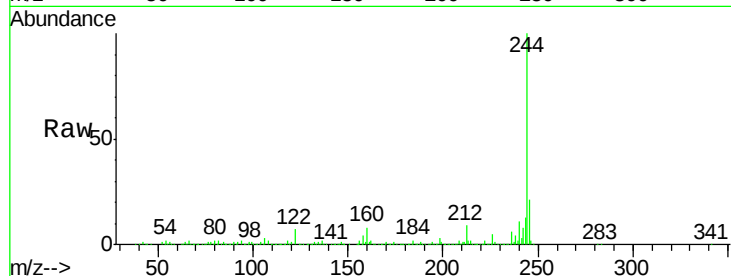
Tgt Ion:244 Resp: 1121588

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

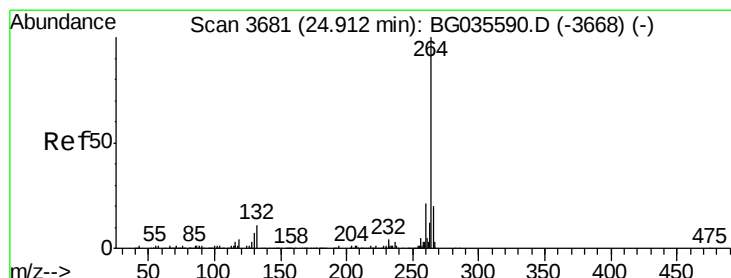
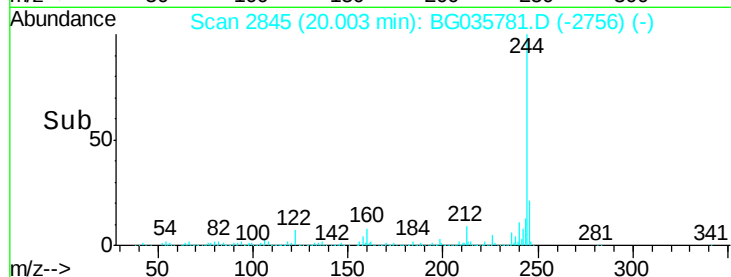
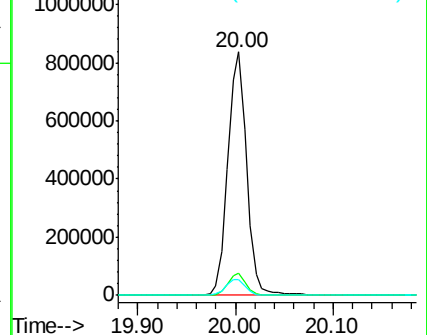
122 6.6 7.0 10.4#



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: BG035781.D

Acq: 20 Jul 2018 12:21

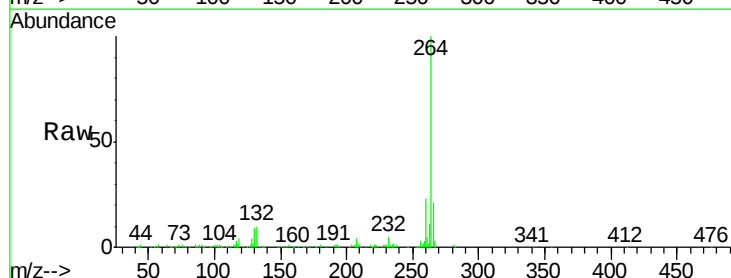
Tgt Ion:264 Resp: 266267

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 20.8 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

