

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071218\
 Data File : BG035616.D
 Acq On : 13 Jul 2018 5:37
 Operator : JU/SJ
 Sample : PB111040BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111040BL

Quant Time: Jul 13 08:09:52 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

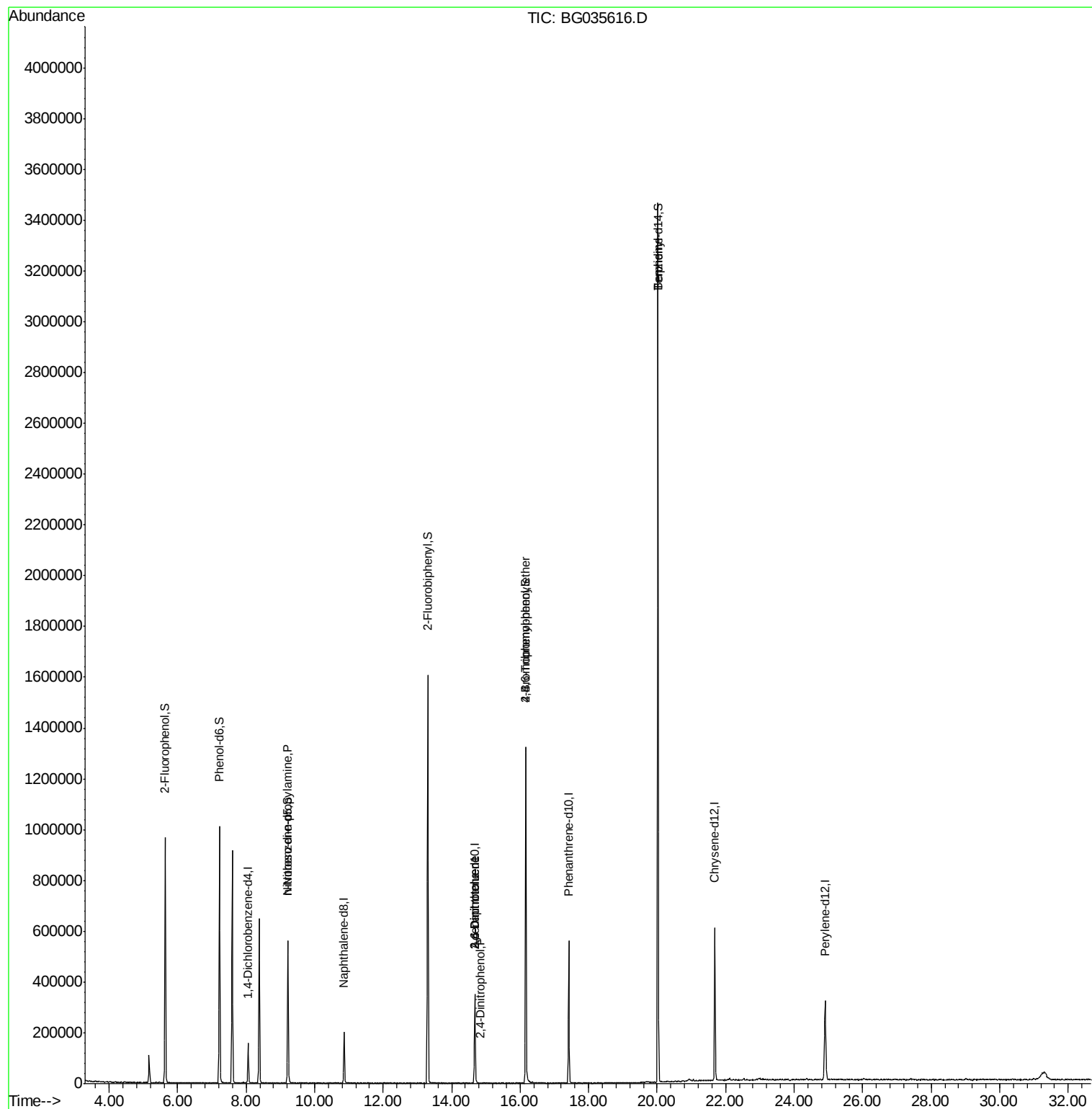
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	43607	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	165860	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	123638	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	356219	20.00	ng	0.00
75) Chrysene-d12	21.68	240	385328	20.00	ng	0.00
86) Perylene-d12	24.90	264	354824	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	388633	147.96	ng	0.00
7) Phenol-d6	7.22	99	574443	146.59	ng	0.00
23) Nitrobenzene-d5	9.22	82	371622	93.60	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	242590	148.86	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	848939	91.99	ng	0.00
78) Terphenyl-d14	20.03	244	1628402	93.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	51704	15.668	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	17548	7.955	ng	# 20
53) 2,4-Dinitrophenol	14.84	184	56	6.628	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	17548	5.545	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	19124	4.627	ng	# 1
76) Benzidine	20.03	184	28041	2.768	ng	# 91

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

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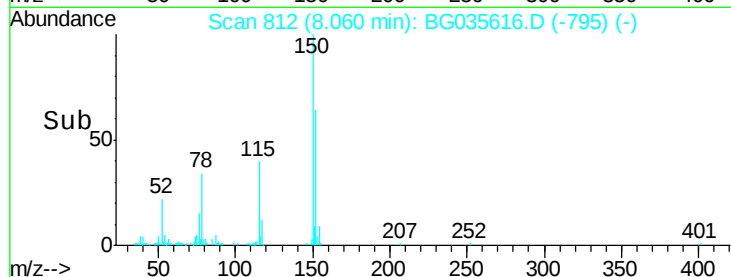
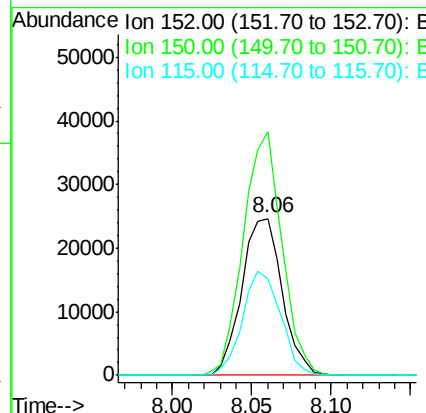
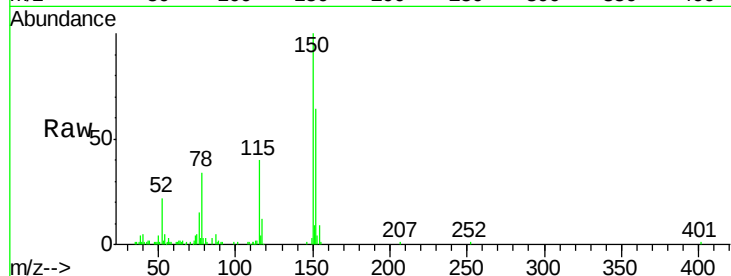


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. 0.00 min
Lab File: BG035616.D
Acq: 13 Jul 2018 5:37

Instrument :
BNA_G
ClientSampleId :
PB111040BL

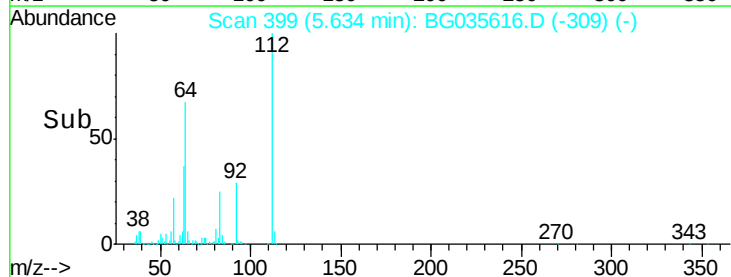
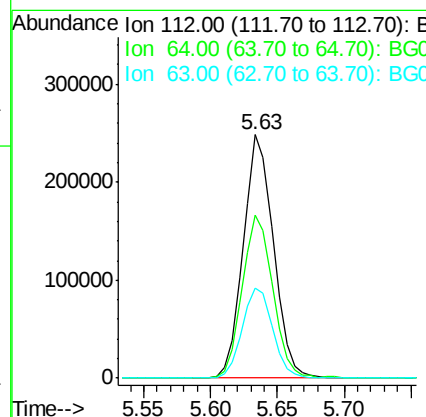
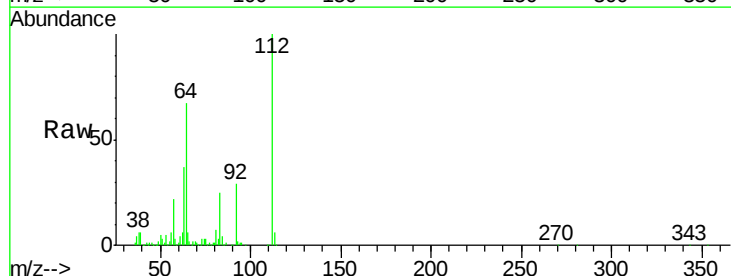
Tgt Ion:152 Resp: 43607
Ion Ratio Lower Upper
152 100
150 155.2 126.6 189.8
115 61.7 53.0 79.4

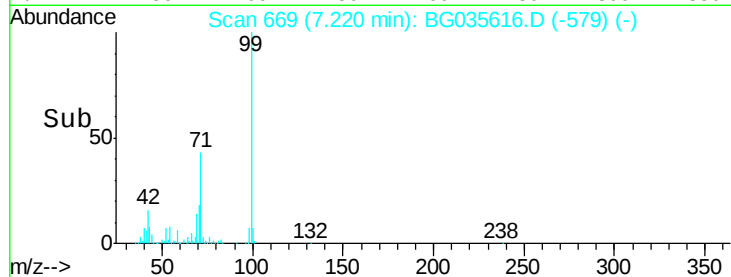
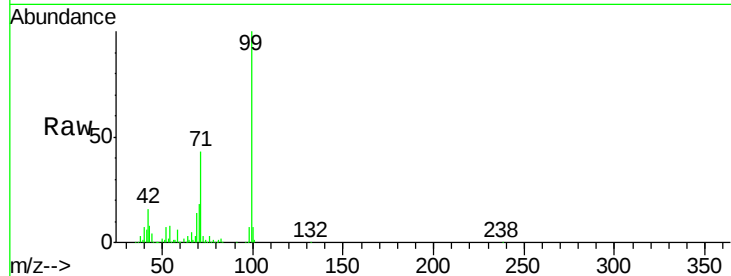


#5

2-Fluorophenol
Concen: 147.963 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG035616.D
Acq: 13 Jul 2018 5:37

Tgt Ion:112 Resp: 388633
Ion Ratio Lower Upper
112 100
64 66.8 56.3 84.5
63 37.2 30.1 45.1





#7

Phenol-d6

Concen: 146.587 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

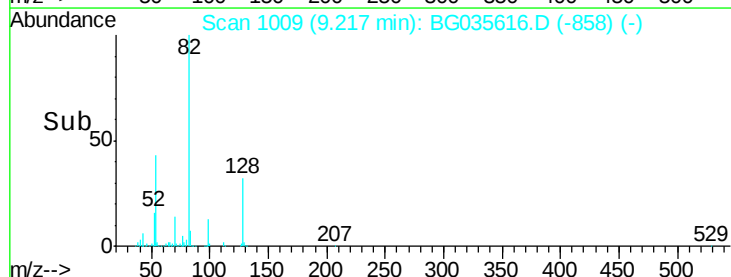
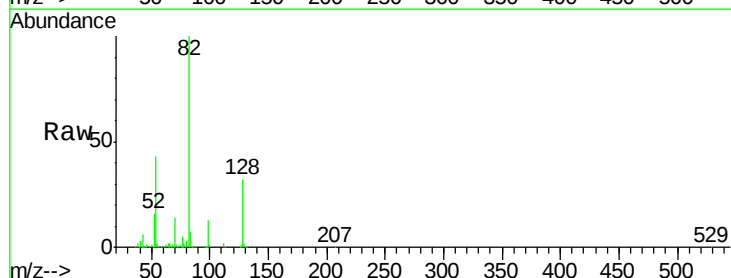
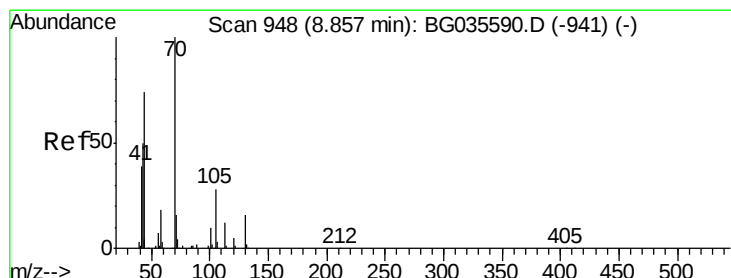
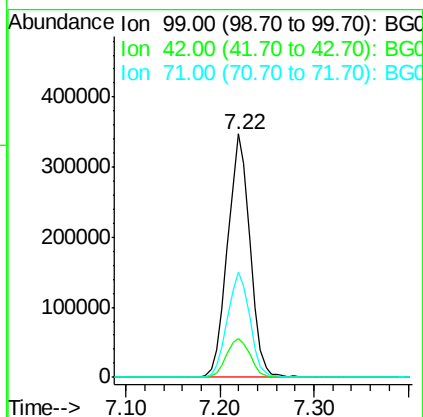
Tgt Ion: 99 Resp: 574443

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 43.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.668 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Tgt Ion: 70 Resp: 51704

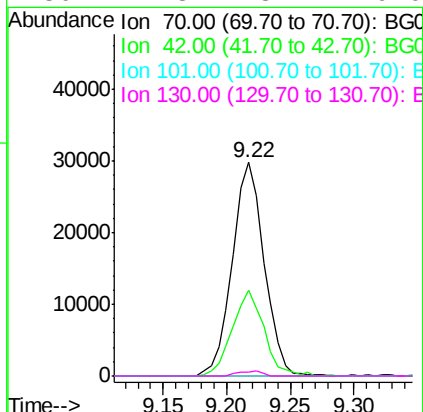
Ion Ratio Lower Upper

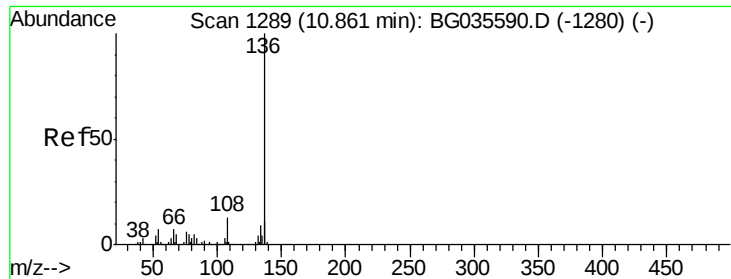
70 100

42 40.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

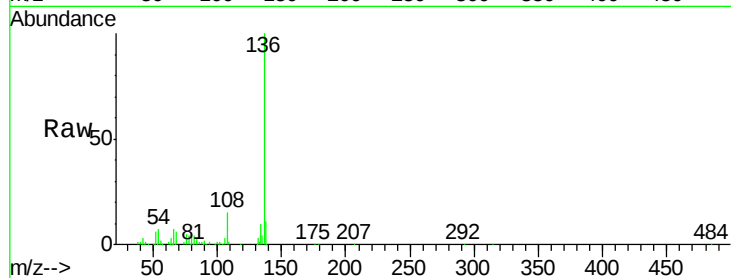




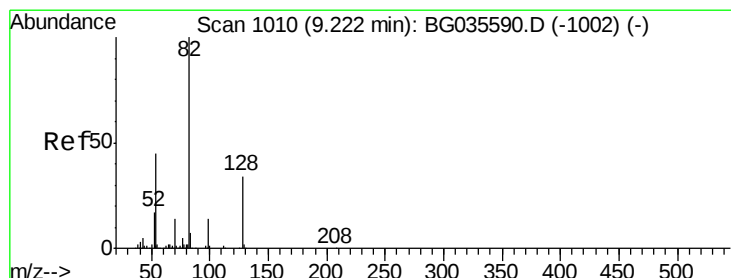
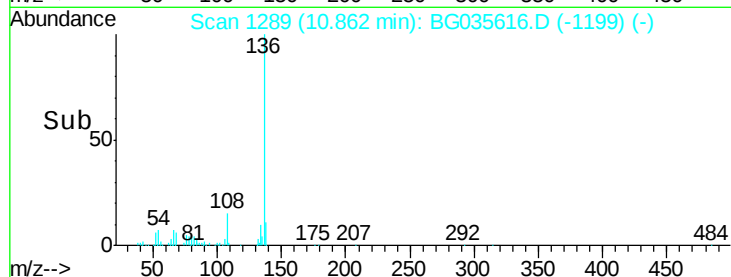
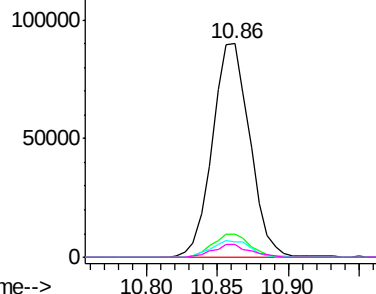
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG035616.D
Acq: 13 Jul 2018 5:37

Instrument :
BNA_G
ClientSampleId :
PB111040BL

Tgt Ion:	136	Resp:	165860
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.5	10.3	15.5
68	6.0	4.5	6.7

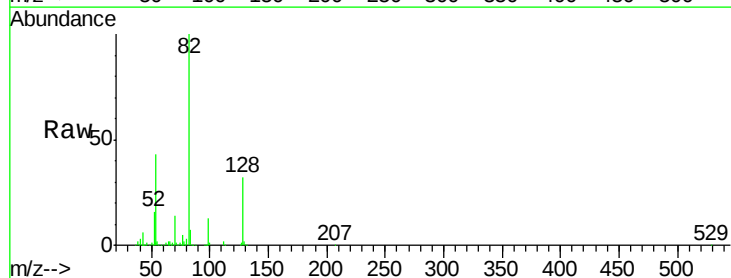


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

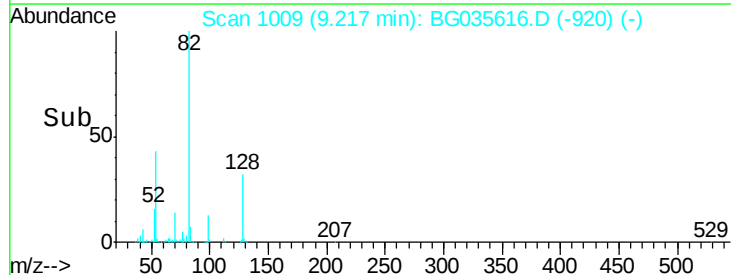
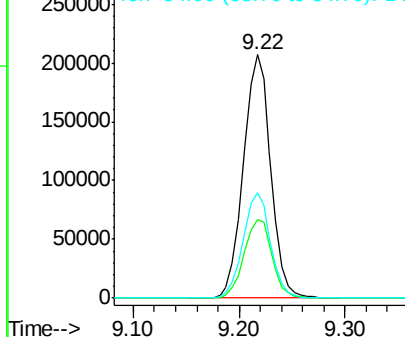


#23
Nitrobenzene-d5
Concen: 93.599 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG035616.D
Acq: 13 Jul 2018 5:37

Tgt Ion:	82	Resp:	371622
Ion	Ratio	Lower	Upper
82	100		
128	32.4	29.7	44.5
54	43.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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. -0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

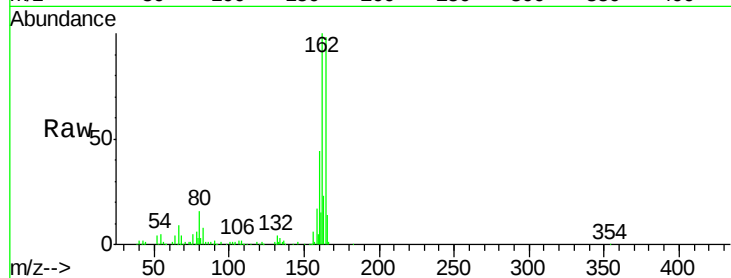
Tgt Ion:164 Resp: 123638

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

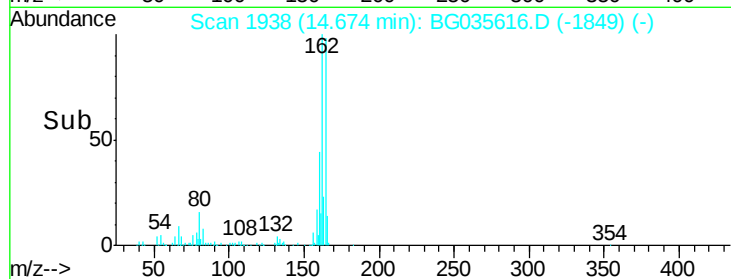
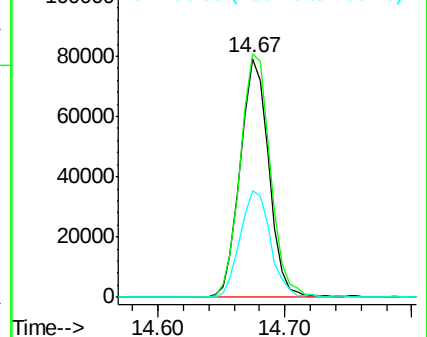
160 44.5 35.4 53.0



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: 148.862 ng

RT: 16.17 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

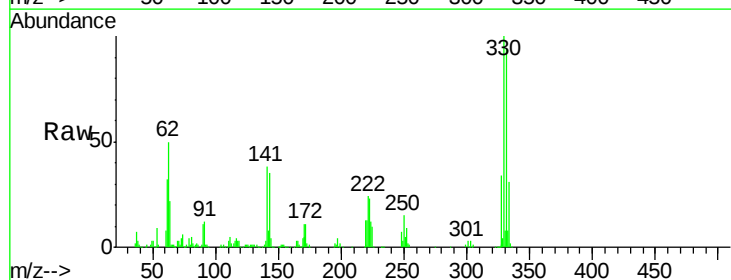
Tgt Ion:330 Resp: 242590

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

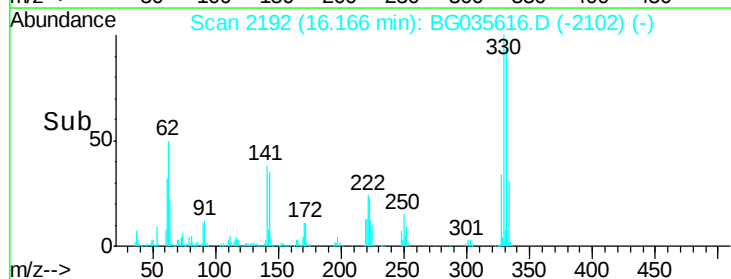
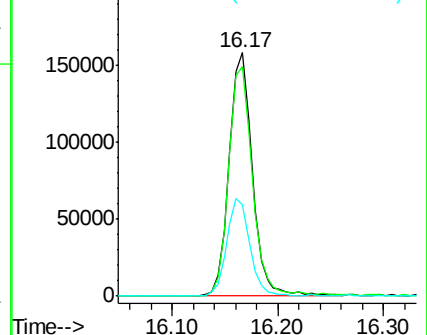
141 40.0 25.2 37.8#

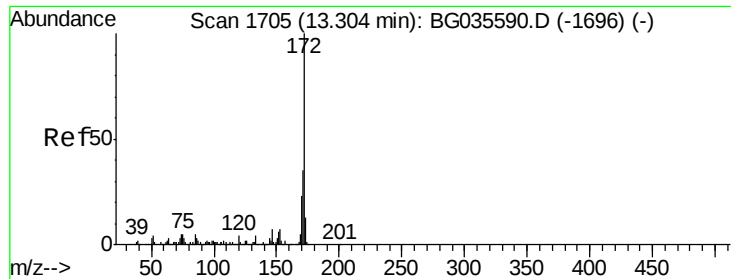


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

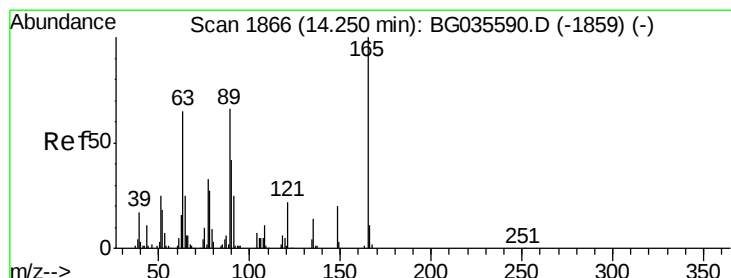
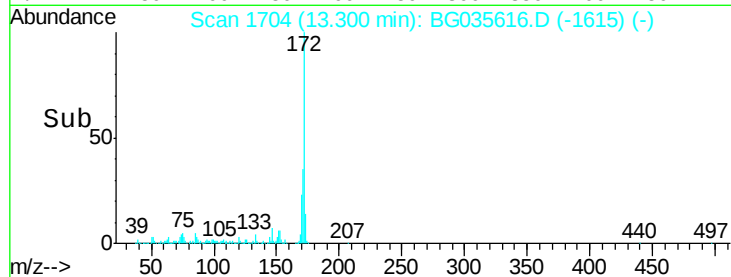
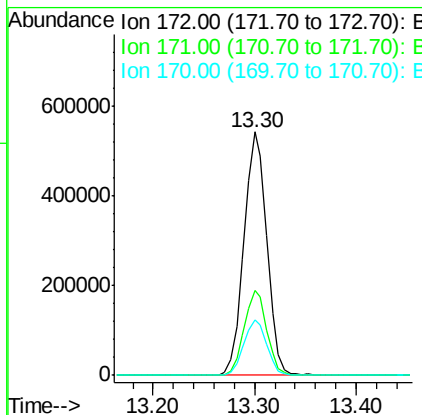
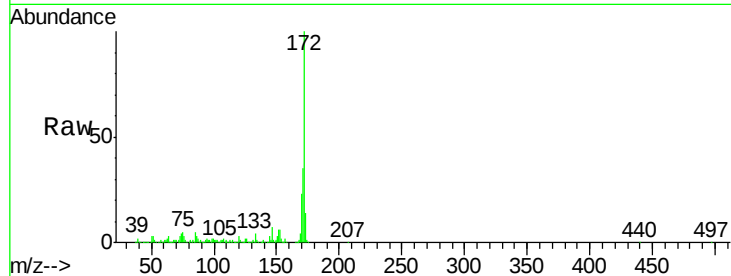




#44
 2-Fluorobiphenyl
 Concen: 91.991 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG035616.D
 Acq: 13 Jul 2018 5:37

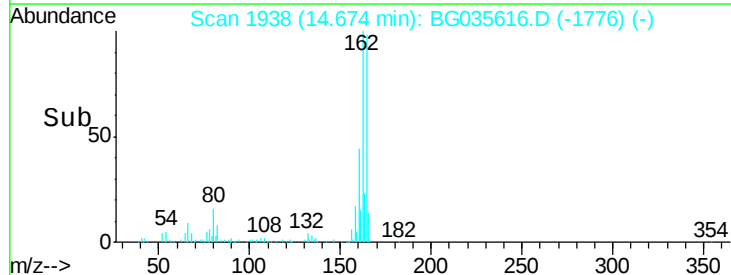
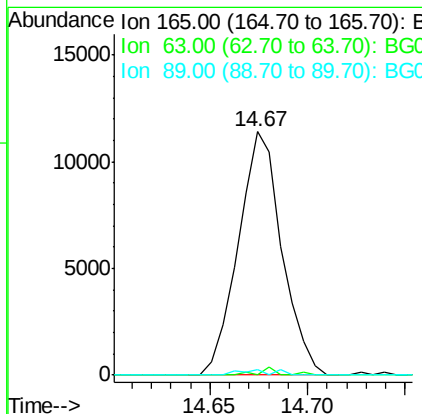
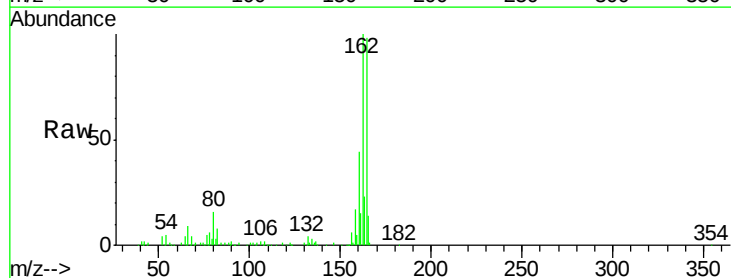
Instrument :
 BNA_G
 ClientSampleId :
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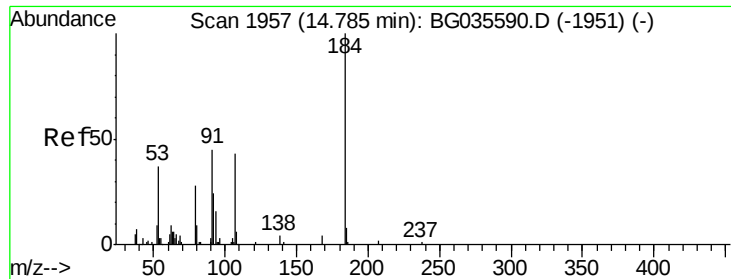
Tgt Ion:172 Resp: 848939
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.955 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035616.D
 Acq: 13 Jul 2018 5:37

Tgt Ion:165 Resp: 17548
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.4 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.628 ng

RT: 14.84 min Scan# 1967

Delta R.T. 0.06 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

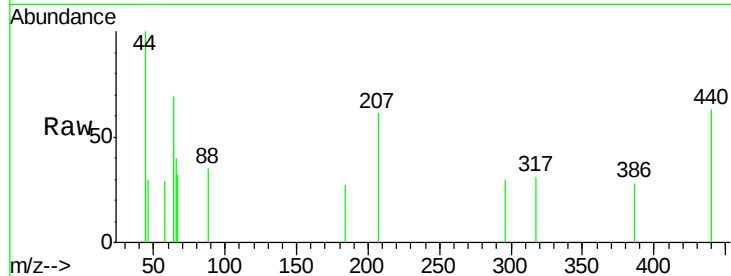
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



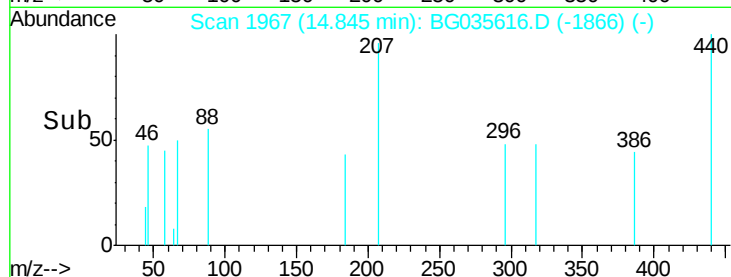
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

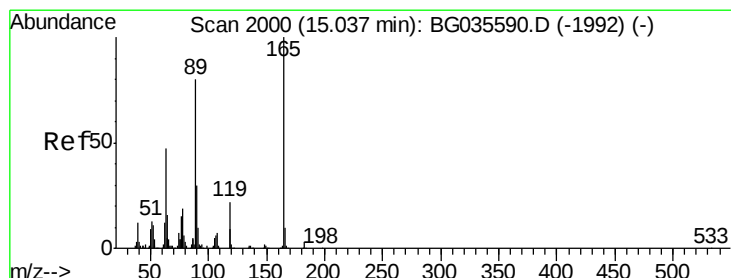
Ion 154.00 (153.70 to 154.70): E

14.84

14.86



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.545 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.36 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Tgt Ion:165 Resp: 17548

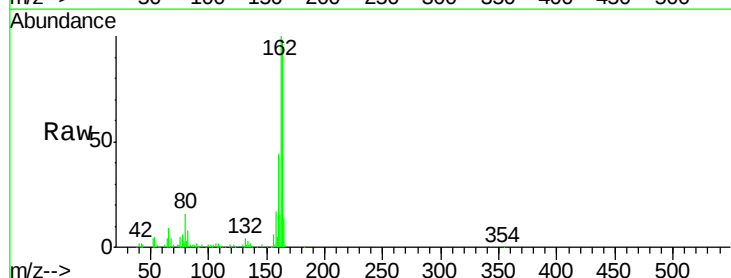
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.4 66.9 100.3#

182 1.6 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

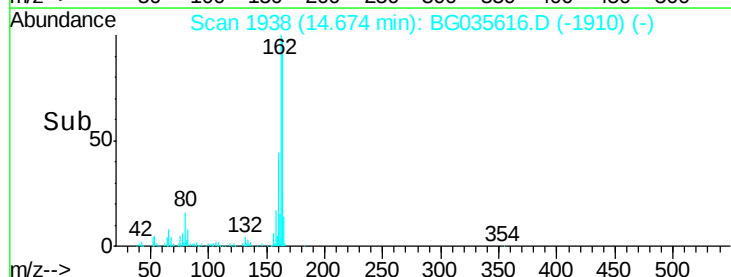
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.67

14.70



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

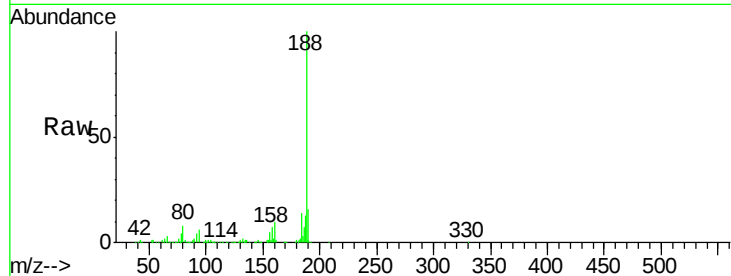
Tgt Ion:188 Resp: 356219

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

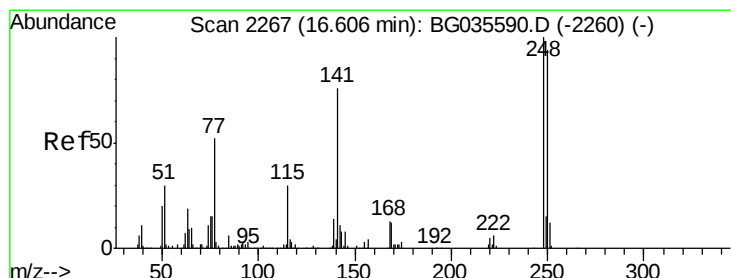
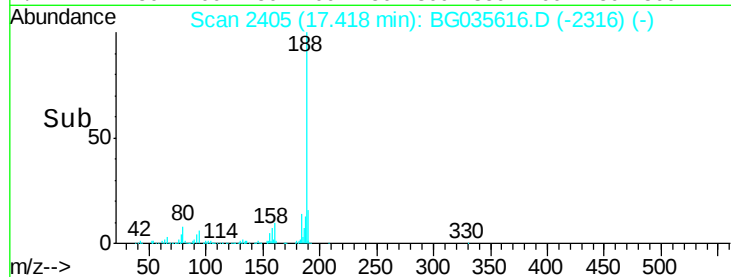
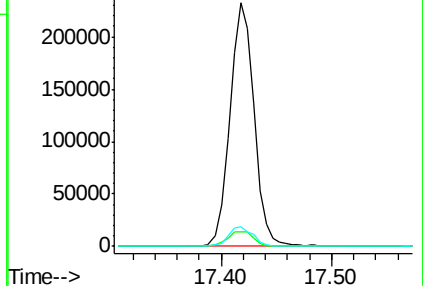
80 8.1 7.7 11.5



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: 4.627 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

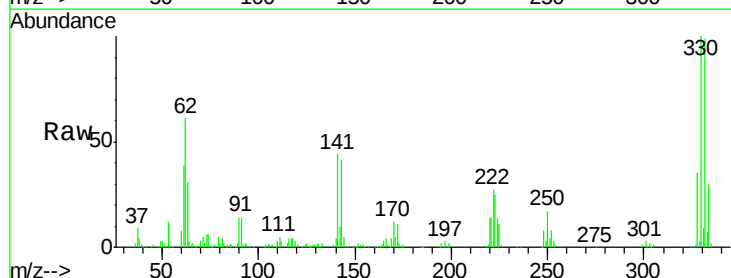
Tgt Ion:248 Resp: 19124

Ion Ratio Lower Upper

248 100

250 209.8 77.1 115.7#

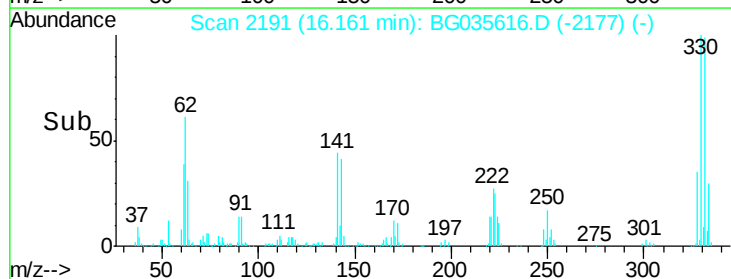
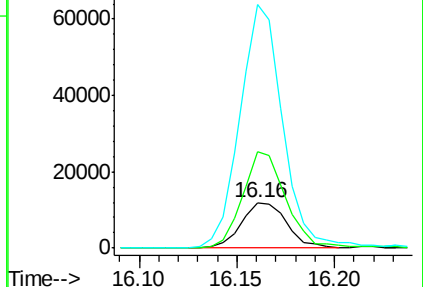
141 533.2 50.8 76.2#



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: 21.68 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

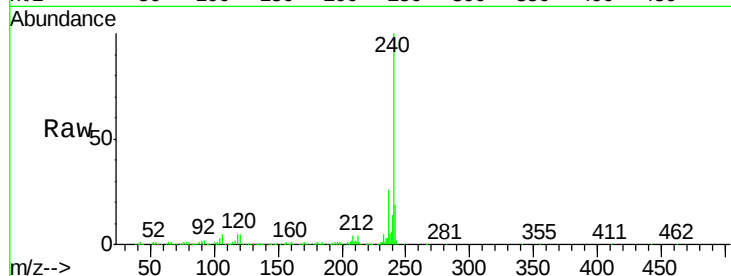
Tgt Ion:240 Resp: 385328

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

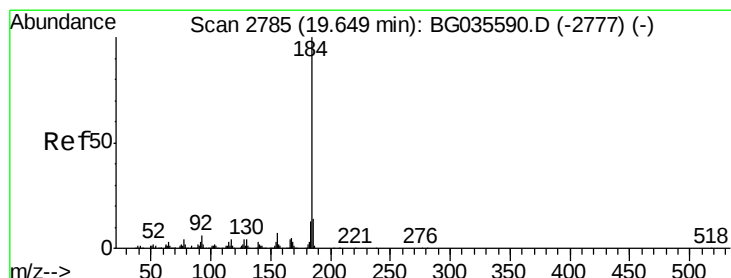
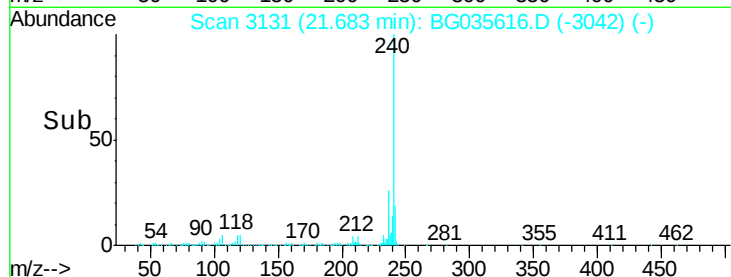
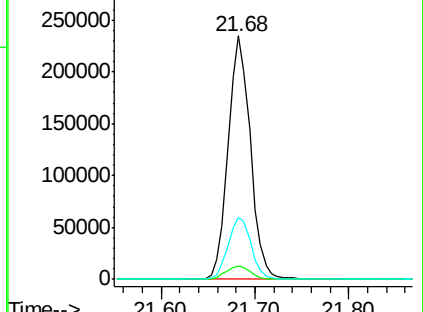
236 25.6 20.9 31.3



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: 2.768 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

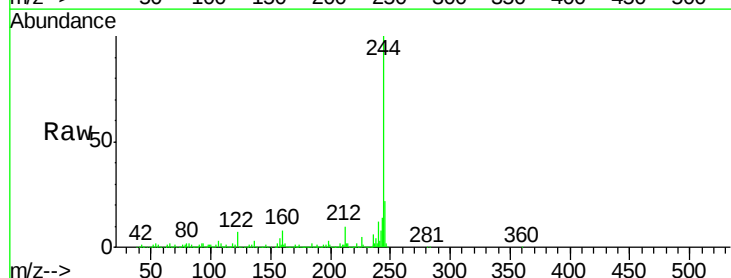
Tgt Ion:184 Resp: 28041

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

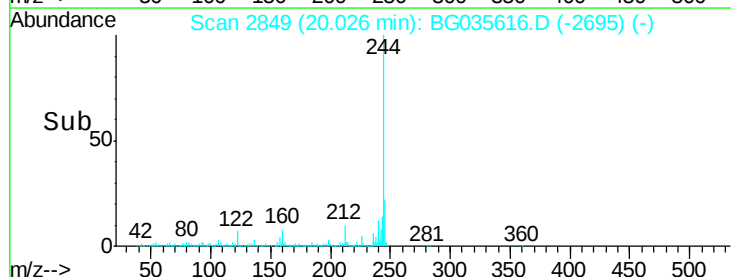
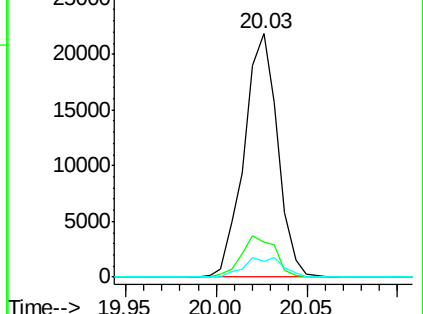
183 6.6 10.6 16.0#

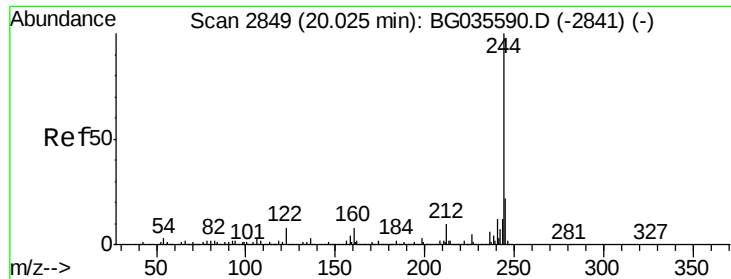


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.154 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

PB111040BL

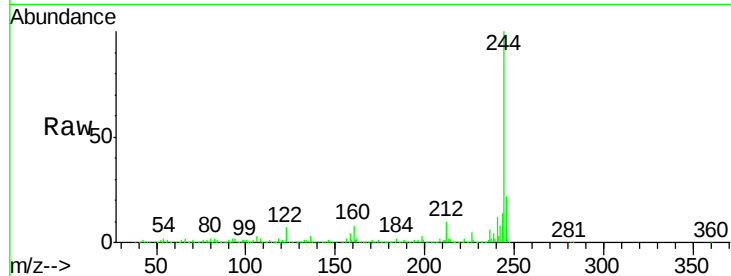
Tgt Ion:244 Resp: 1628402

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

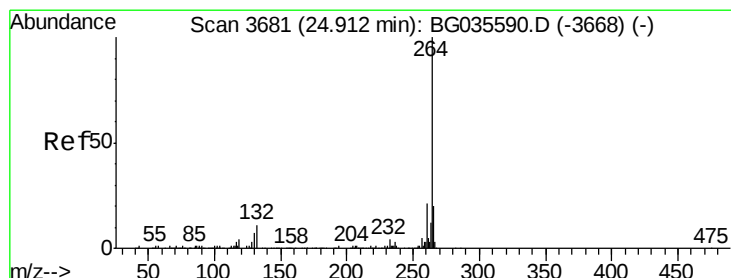
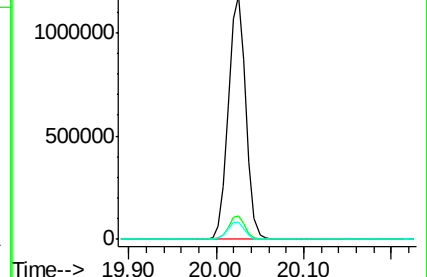
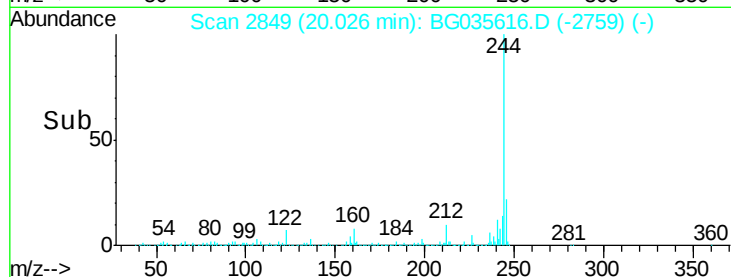
122 7.2 7.0 10.4



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: 24.90 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BG035616.D

Acq: 13 Jul 2018 5:37

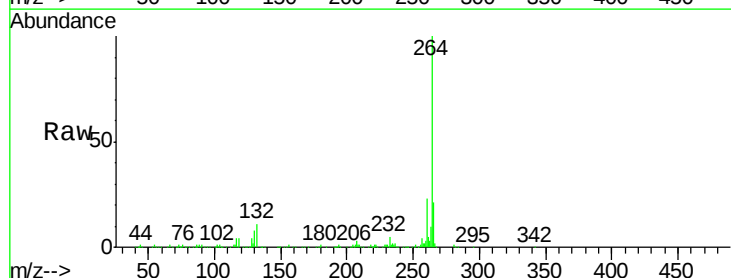
Tgt Ion:264 Resp: 354824

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 20.9 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

