

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035814.D
 Acq On : 21 Jul 2018 11:02
 Operator : JU/SJ
 Sample : J4081-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200029

Quant Time: Jul 23 01:02:33 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

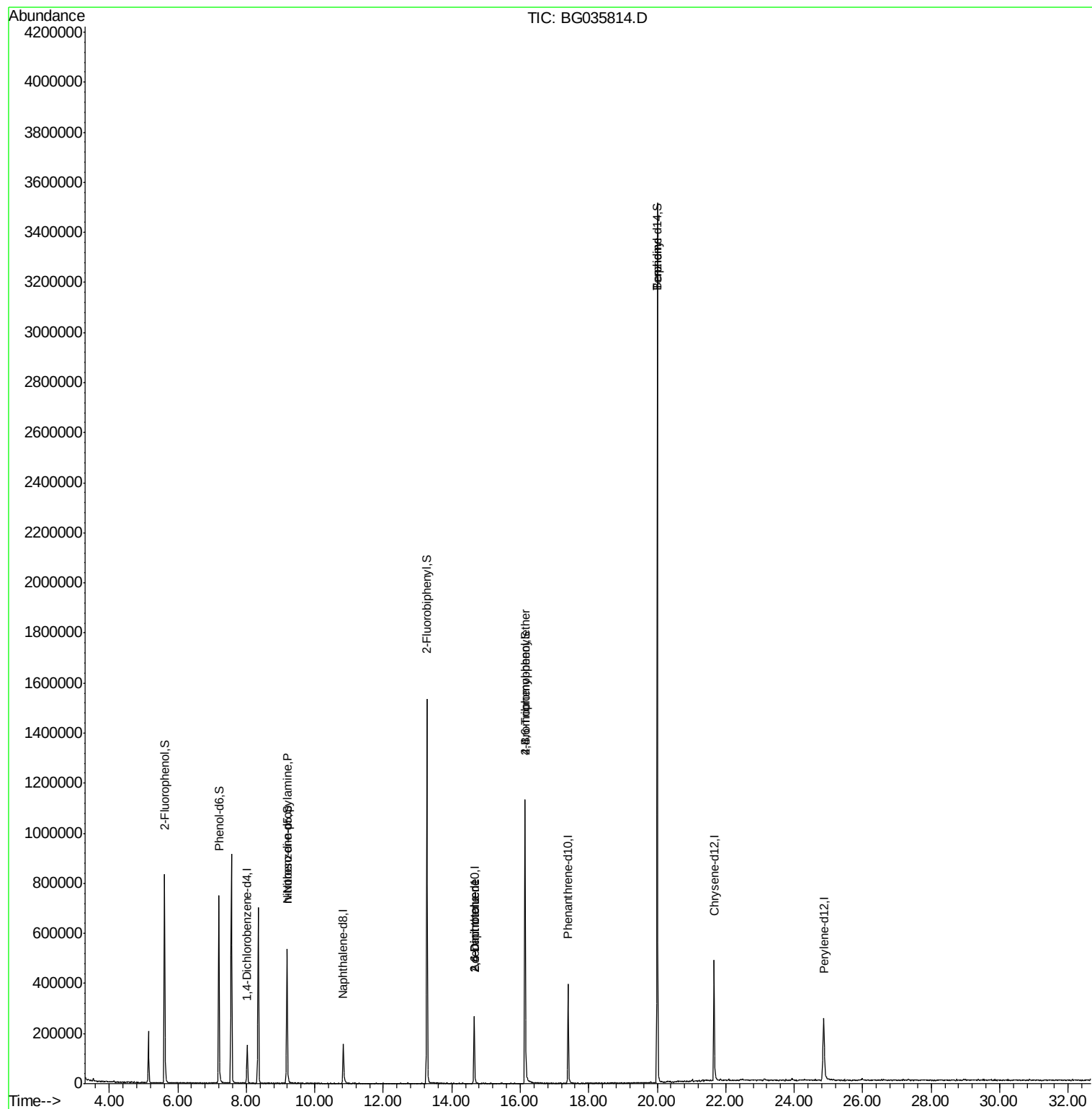
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	43977	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	151854	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	103883	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	293103	20.00	ng	0.00
75) Chrysene-d12	21.66	240	335653	20.00	ng	0.00
86) Perylene-d12	24.86	264	303714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	371031	140.07	ng	0.00
7) Phenol-d6	7.20	99	472692	119.61	ng	0.00
23) Nitrobenzene-d5	9.19	82	373664	102.79	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	229442	167.57	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	838664	108.16	ng	0.00
78) Terphenyl-d14	20.00	244	1645540	108.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	52974	15.918	ng	# 74
50) 2,6-Dinitrotoluene	14.65	165	14280	7.705	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	14280	5.370	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	18729	5.508	ng	# 1
76) Benzidine	20.00	184	30063	3.407	ng	# 94

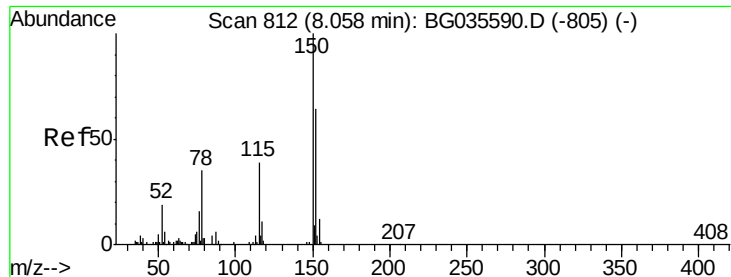
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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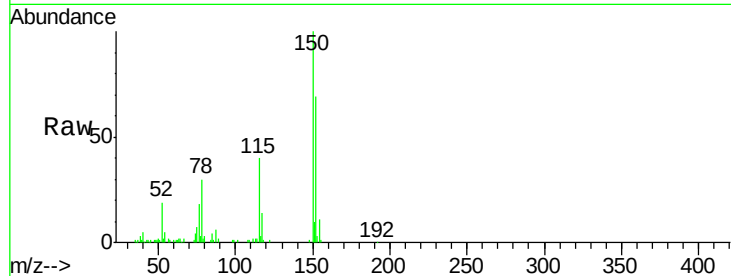


#1

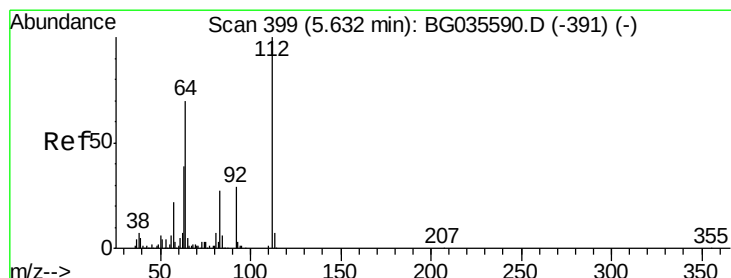
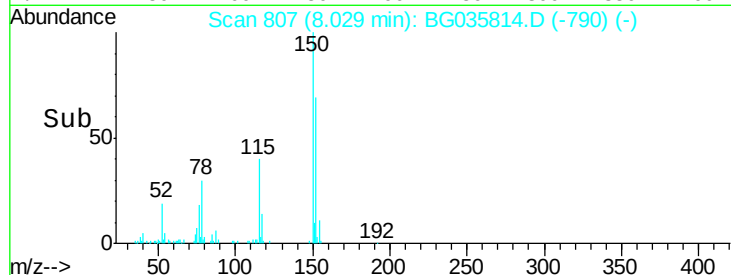
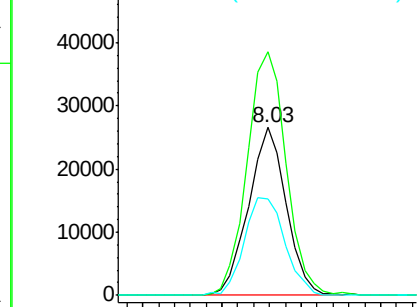
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035814.D
Acq: 21 Jul 2018 11:02

Instrument :
BNA_G
ClientSampleId :
RBR200029

Tgt Ion:152 Resp: 43977
Ion Ratio Lower Upper
152 100
150 145.3 126.6 189.8
115 57.6 53.0 79.4



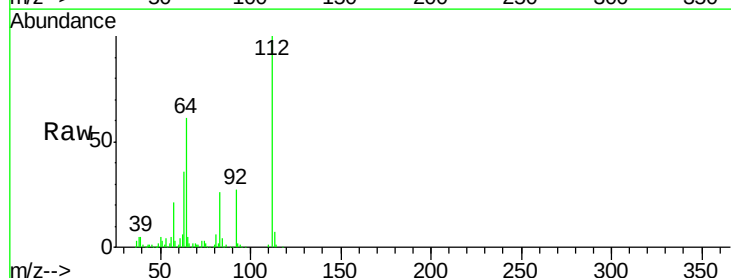
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



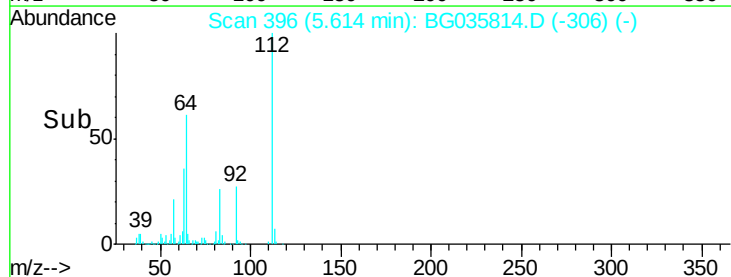
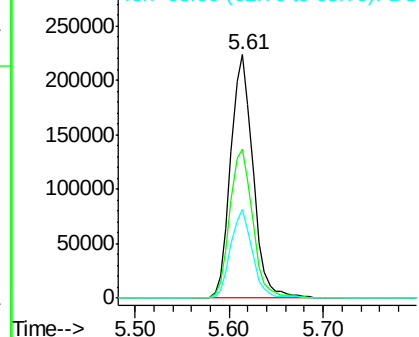
#5

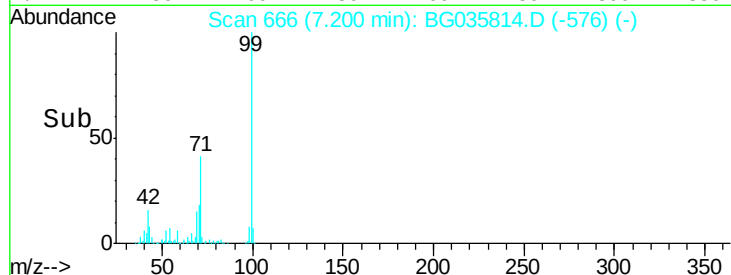
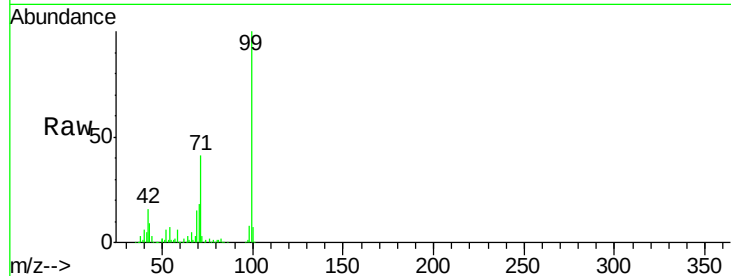
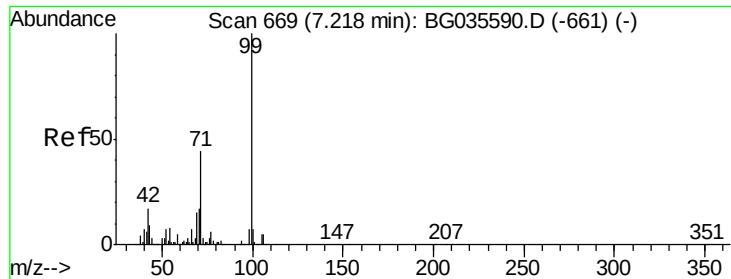
2-Fluorophenol
Concen: 140.073 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035814.D
Acq: 21 Jul 2018 11:02

Tgt Ion:112 Resp: 371031
Ion Ratio Lower Upper
112 100
64 61.3 56.3 84.5
63 36.4 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: 119.607 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Instrument :

BNA_G

ClientSampleId :

RBR200029

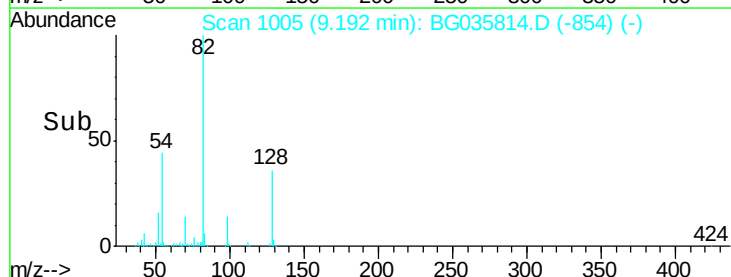
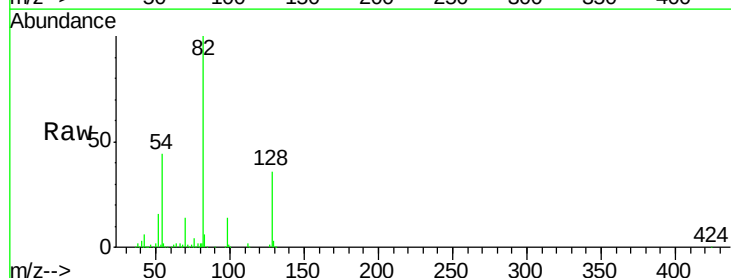
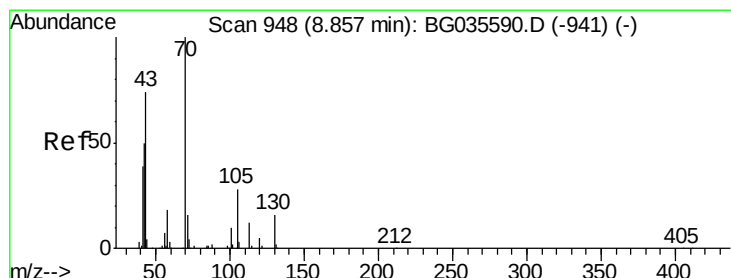
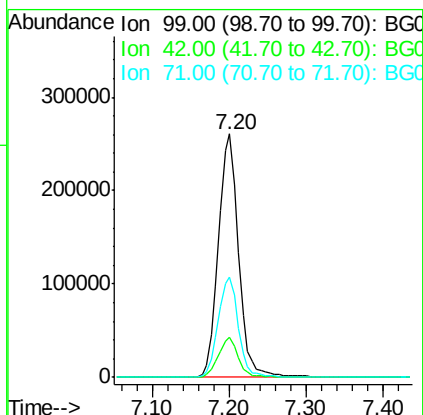
Tgt Ion: 99 Resp: 472692

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 41.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.918 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Tgt Ion: 70 Resp: 52974

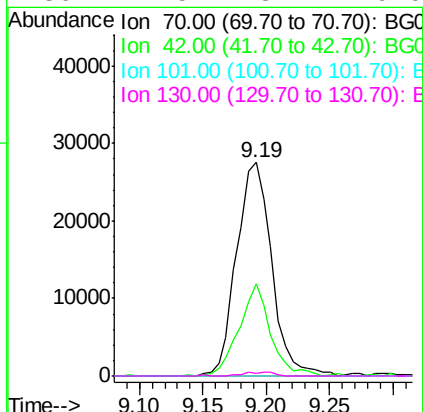
Ion Ratio Lower Upper

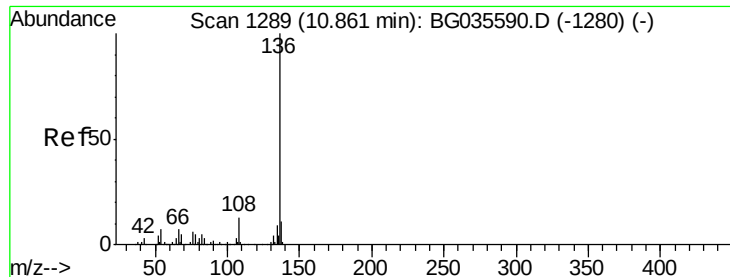
70 100

42 43.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

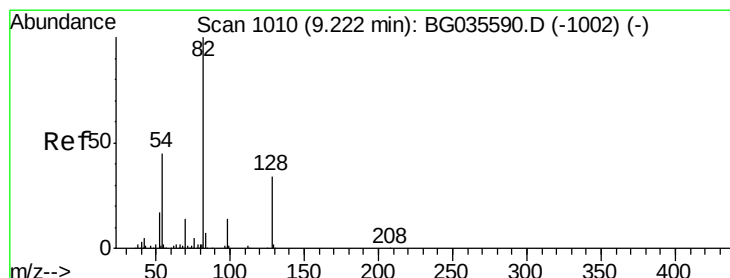
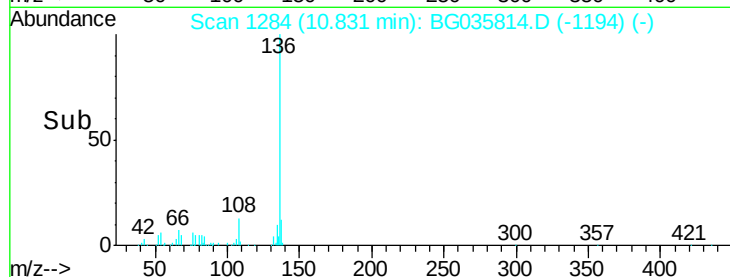
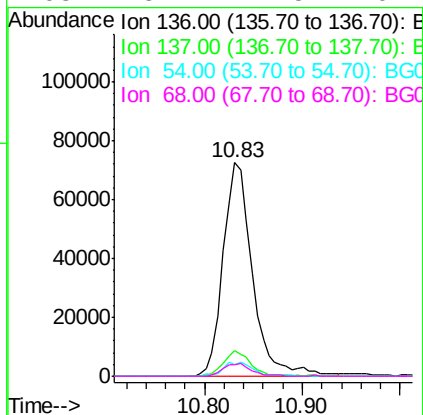
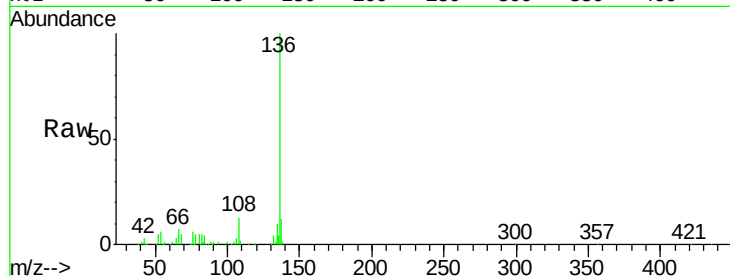




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035814.D
Acq: 21 Jul 2018 11:02

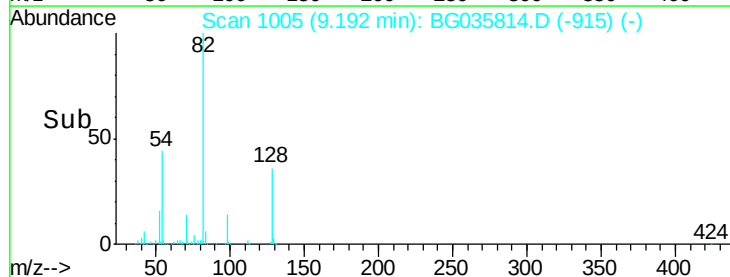
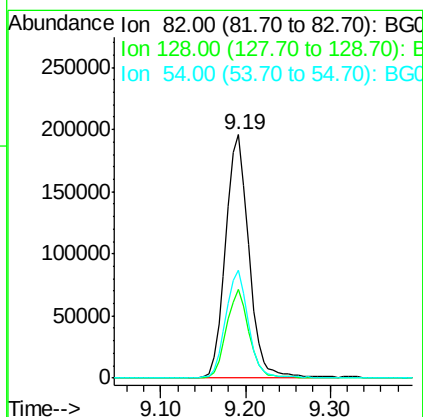
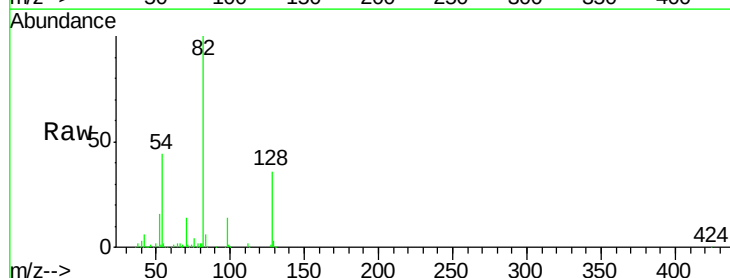
Instrument :
BNA_G
ClientSampleId :
RBR200029

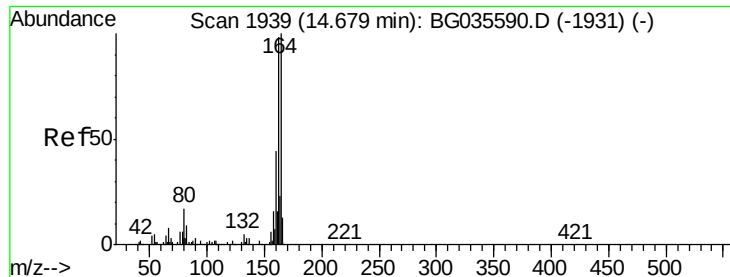
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	5.7	10.3	15.5
68	5.4	4.5	6.7



#23
Nitrobenzene-d5
Concen: 102.794 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035814.D
Acq: 21 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	44.5	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Instrument :

BNA_G

ClientSampleId :

RBR200029

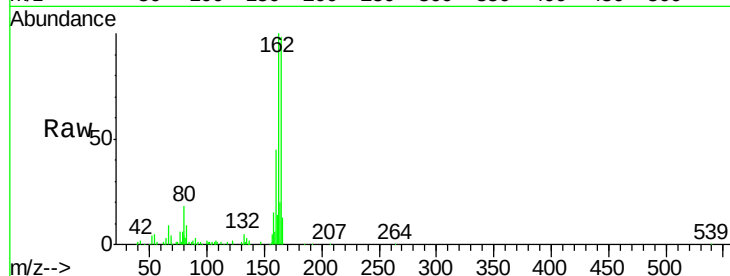
Tgt Ion:164 Resp: 103883

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

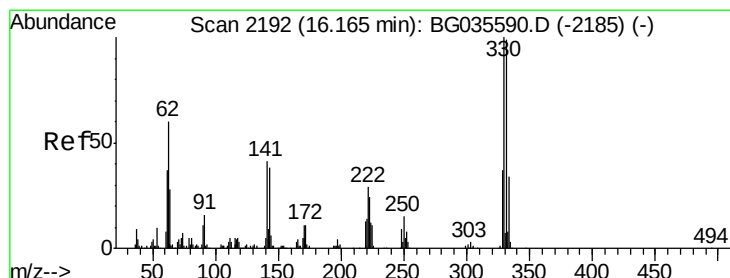
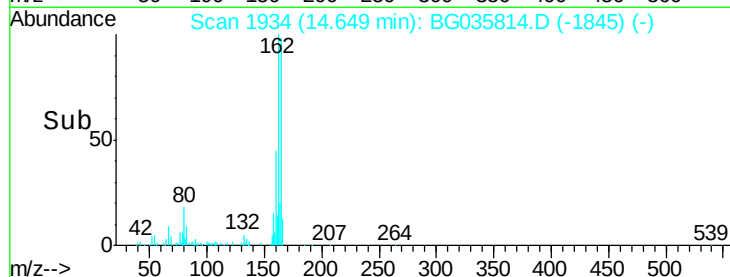
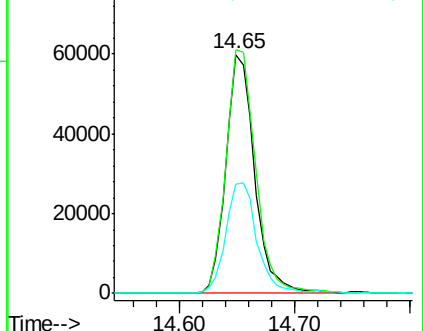
160 45.6 35.4 53.0



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: 167.568 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

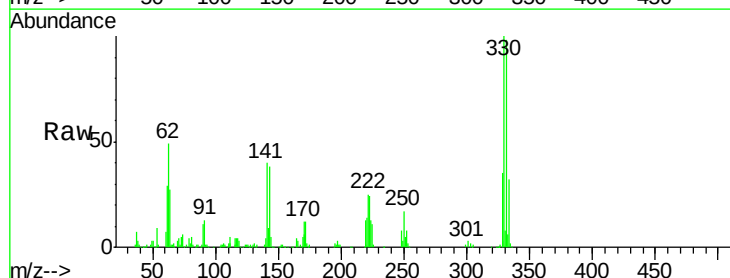
Tgt Ion:330 Resp: 229442

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

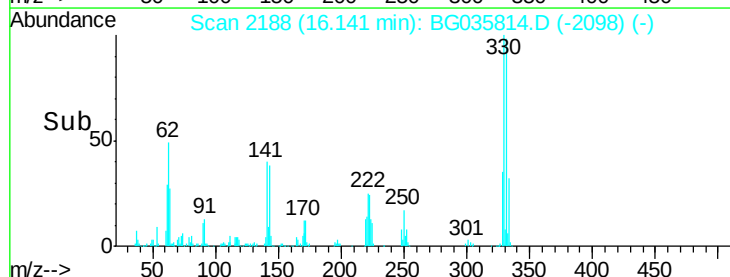
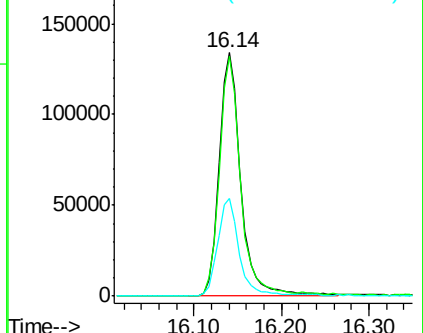
141 39.7 25.2 37.8#

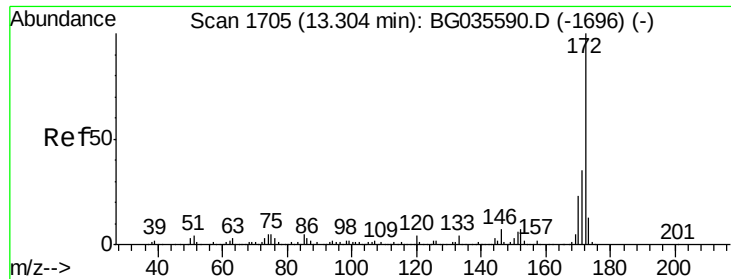


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

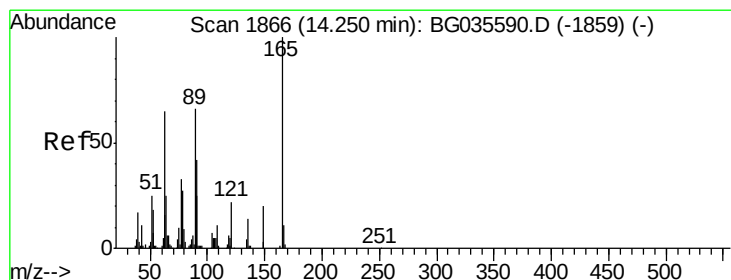
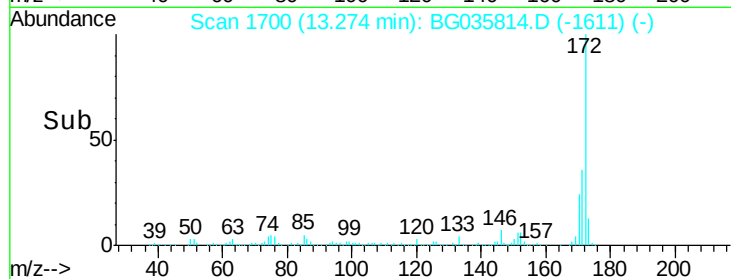
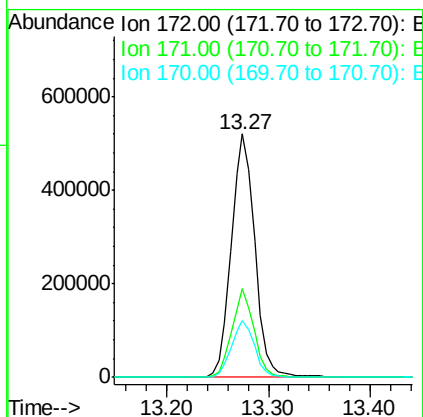
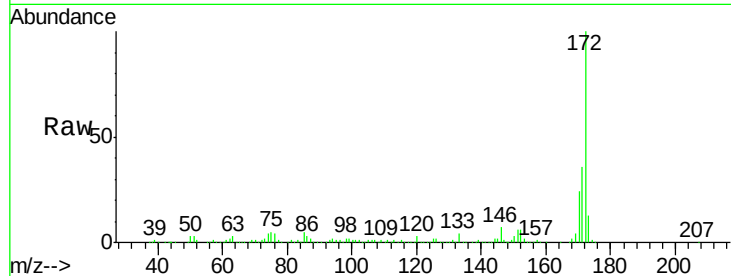




#44
 2-Fluorobiphenyl
 Concen: 108.159 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035814.D
 Acq: 21 Jul 2018 11:02

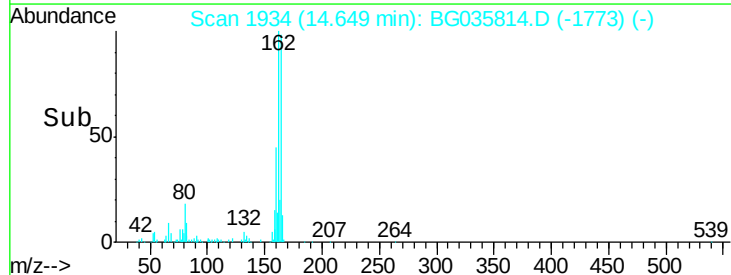
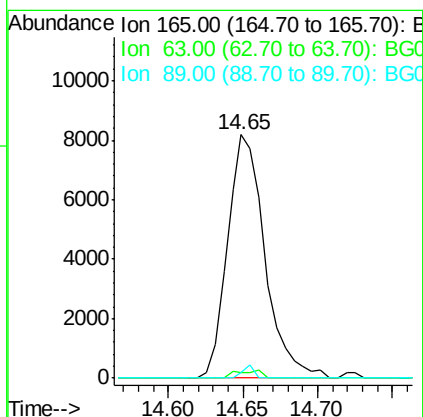
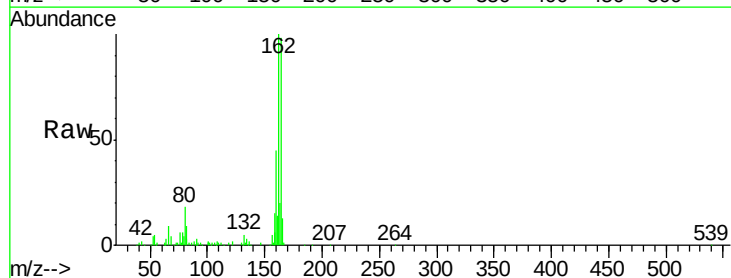
Instrument :
 BNA_G
 ClientSampleId :
 RBR200029

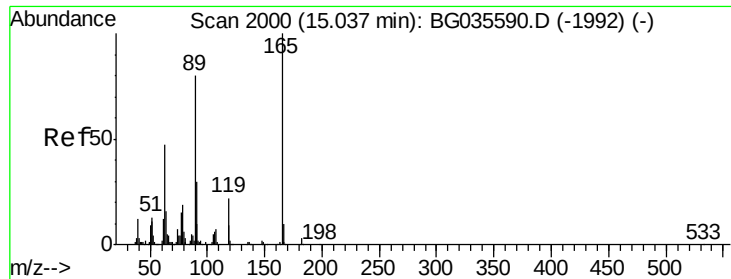
Tgt Ion:172 Resp: 838664
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.705 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035814.D
 Acq: 21 Jul 2018 11:02

Tgt Ion:165 Resp: 14280
 Ion Ratio Lower Upper
 165 100
 63 2.2 52.7 79.1#
 89 2.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.370 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Instrument :

BNA_G

ClientSampleId :

RBR200029

Tgt Ion:165 Resp: 14280

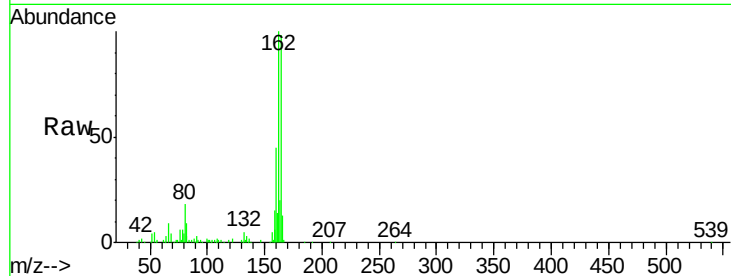
Ion Ratio Lower Upper

165 100

63 2.2 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

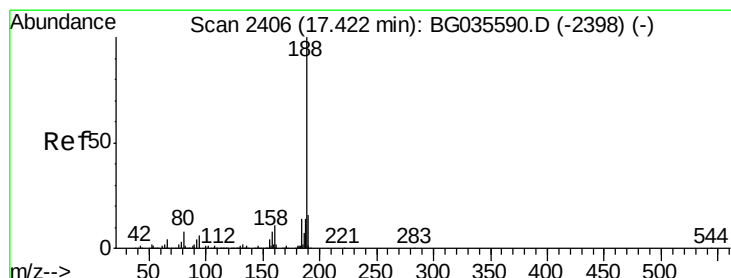
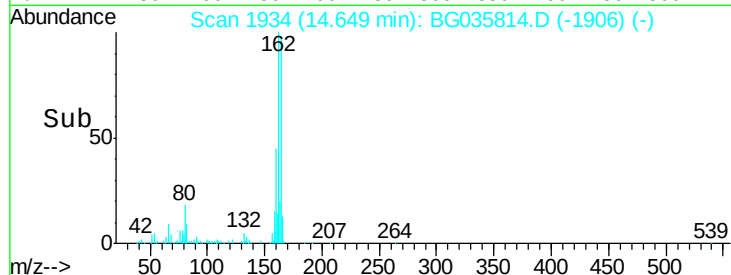
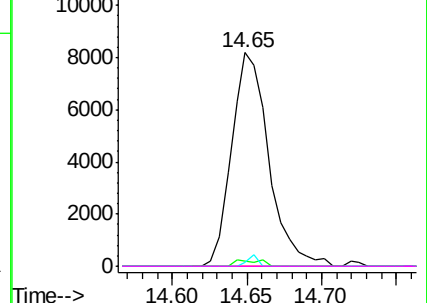


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2402

Delta R.T. 0.00 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

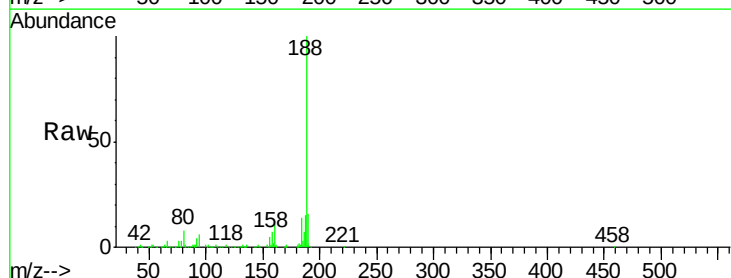
Tgt Ion:188 Resp: 293103

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

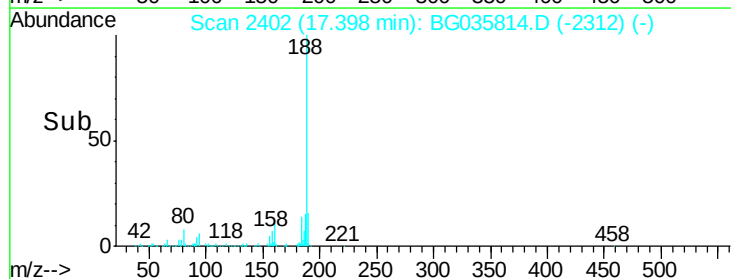
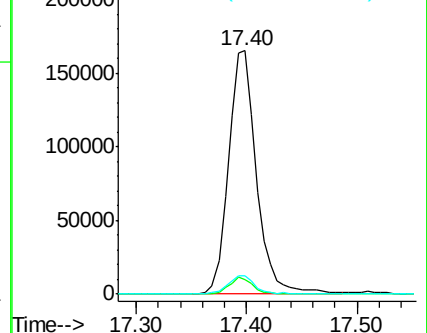
80 7.8 7.7 11.5

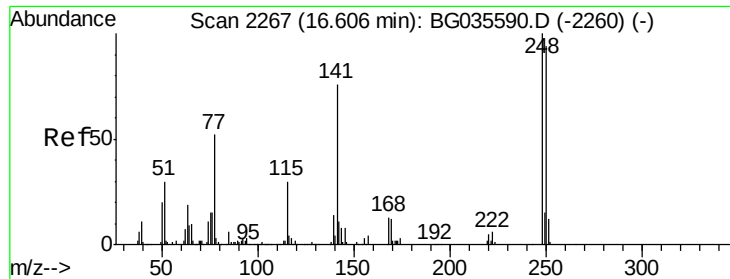


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 5.508 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Instrument :

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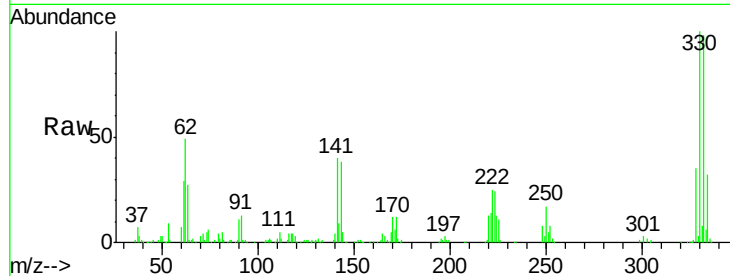
Tgt Ion:248 Resp: 18729

Ion Ratio Lower Upper

248 100

250 215.6 77.1 115.7#

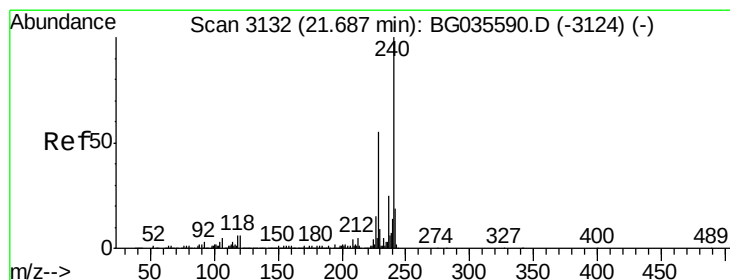
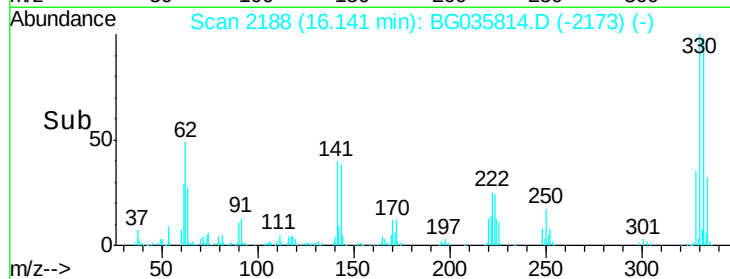
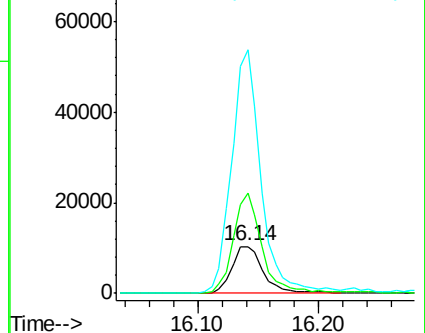
141 521.4 50.8 76.2#



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. -0.01 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

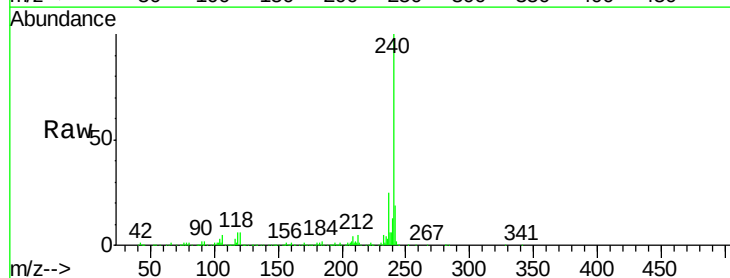
Tgt Ion:240 Resp: 335653

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

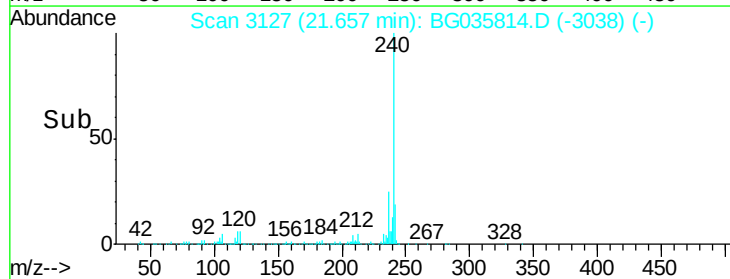
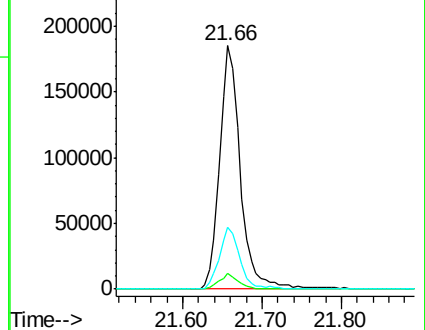
236 25.4 20.9 31.3

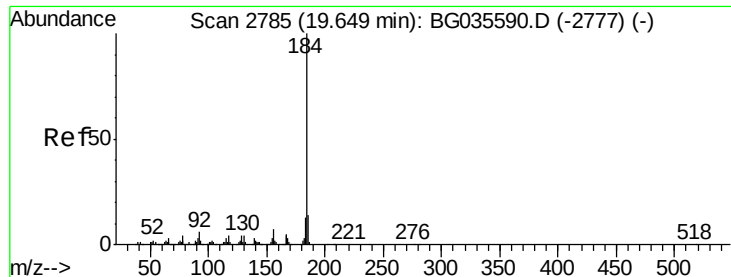


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.407 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

Instrument :

BNA_G

ClientSampleId :

RBR200029

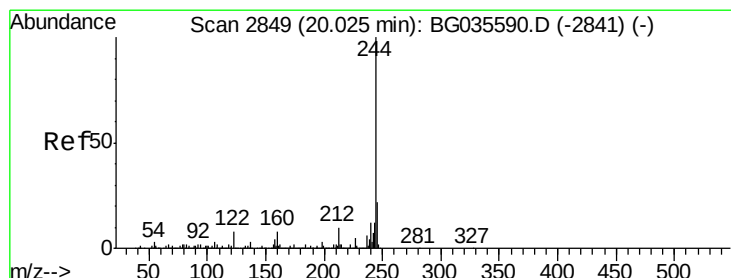
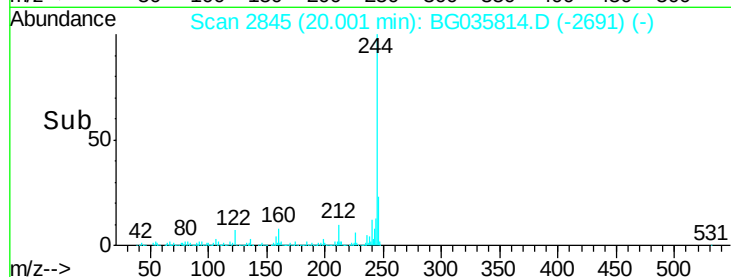
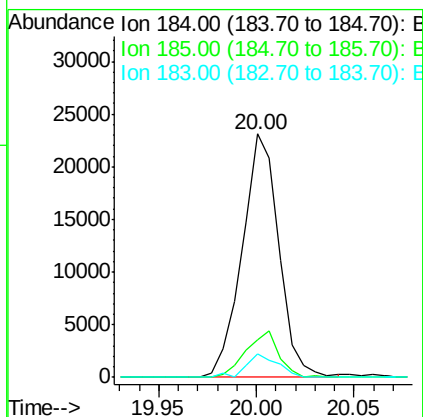
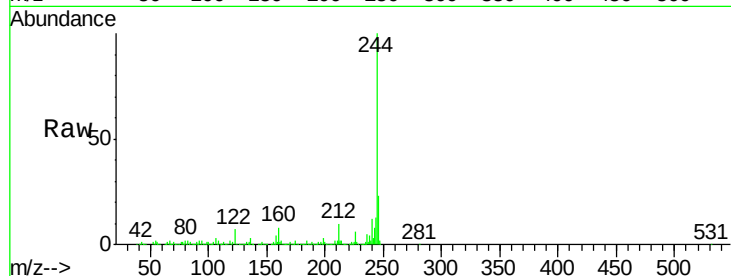
Tgt Ion:184 Resp: 30063

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

183 9.5 10.6 16.0#



#78

Terphenyl-d14

Concen: 108.066 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035814.D

Acq: 21 Jul 2018 11:02

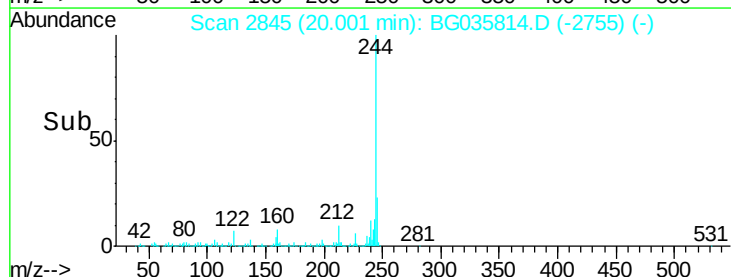
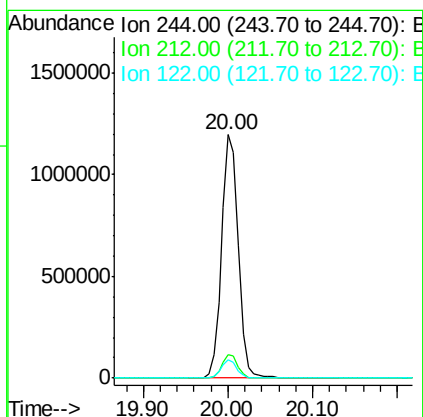
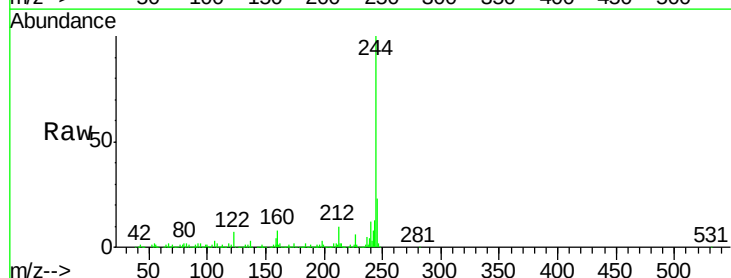
Tgt Ion:244 Resp: 1645540

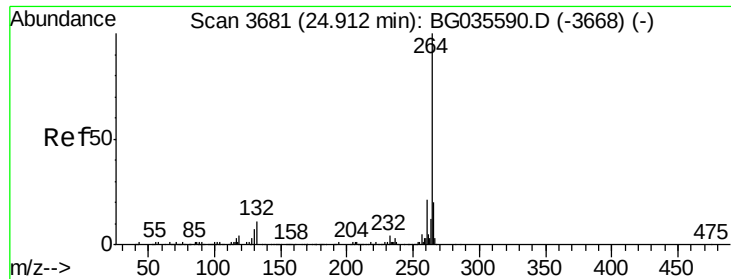
Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

122 7.5 7.0 10.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: BG035814.D
 Acq: 21 Jul 2018 11:02

Instrument :
 BNA_G
 ClientSampleId :
 RBR200029

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	22.8	17.7	26.5

