

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073118\
 Data File : BG036012.D
 Acq On : 31 Jul 2018 22:02
 Operator : JU/SJ
 Sample : J4218-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-15-D

Quant Time: Aug 01 01:09:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

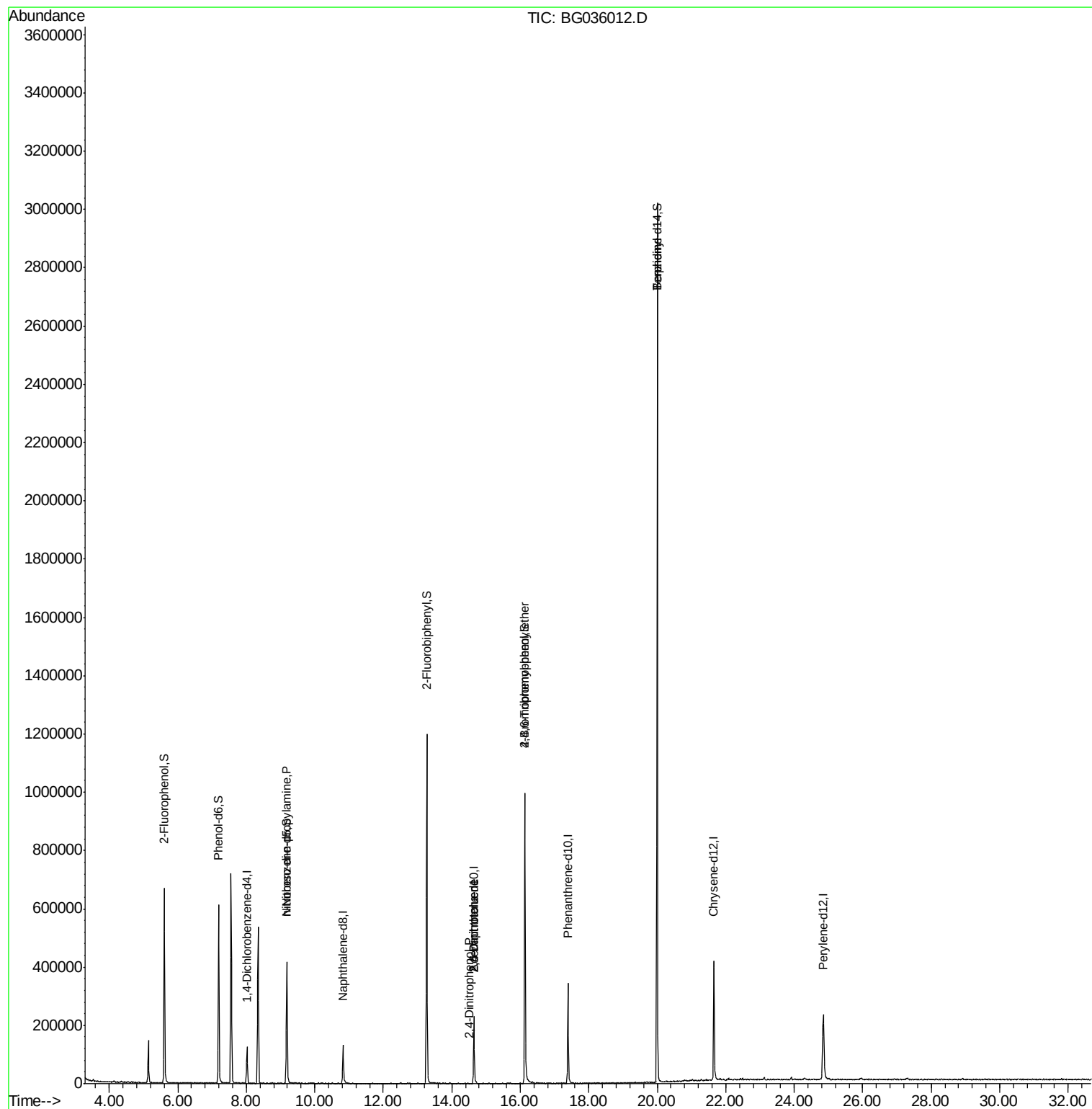
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	35417	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	125443	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	86366	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	253758	20.00	ng	0.00
75) Chrysene-d12	21.65	240	302072	20.00	ng	0.00
86) Perylene-d12	24.85	264	272240	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	294724	138.16	ng	0.00
7) Phenol-d6	7.19	99	381980	120.01	ng	0.00
23) Nitrobenzene-d5	9.19	82	302252	100.66	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	205573	180.59	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	670074	103.94	ng	0.00
78) Terphenyl-d14	20.00	244	1465544	106.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	41774	15.586	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	11712	7.601	ng	# 20
53) 2,4-Dinitrophenol	14.50	184	61	6.653	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	11712	5.298	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	16886	5.736	ng	# 1
76) Benzidine	19.99	184	26741	3.367	ng	# 93

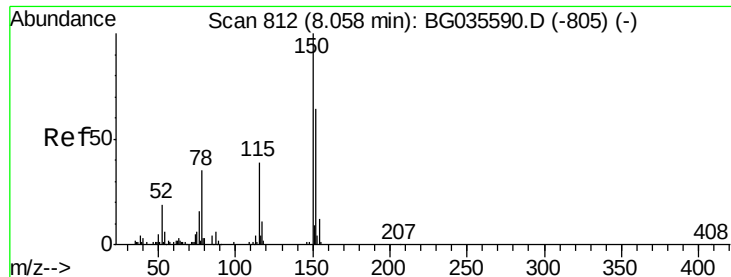
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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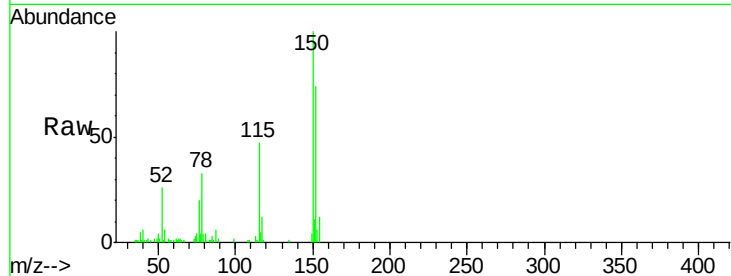


#1

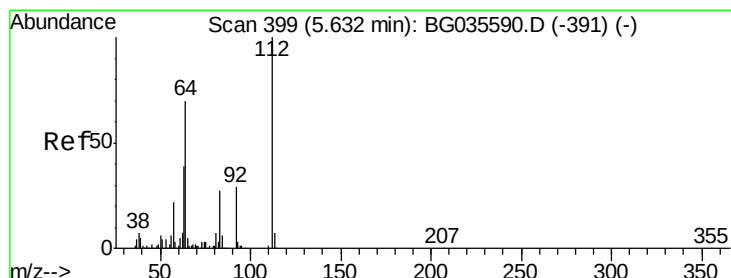
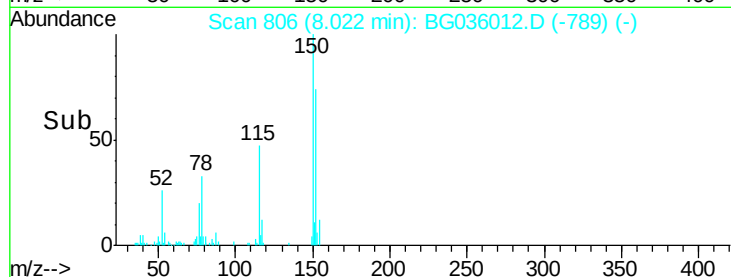
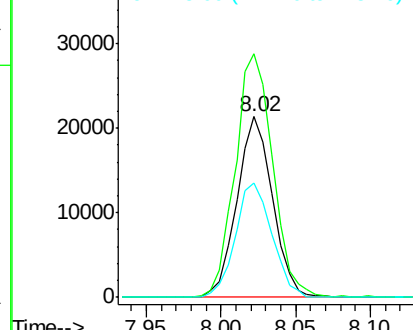
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036012.D
Acq: 31 Jul 2018 22:02

Instrument :
BNA_G
ClientSampleId :
TP-15-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	134.8	126.6	189.8
115	63.4	53.0	79.4



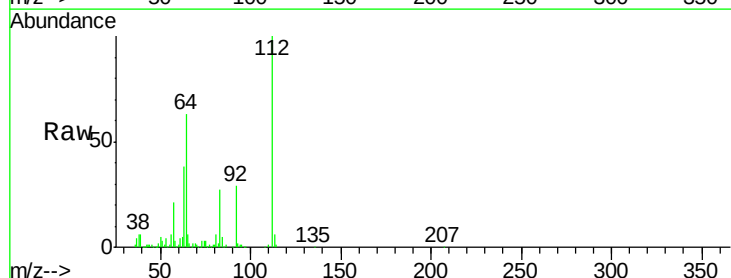
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



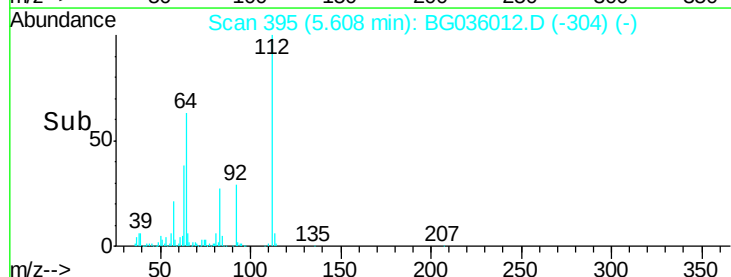
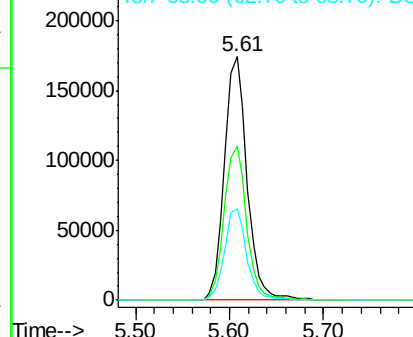
#5

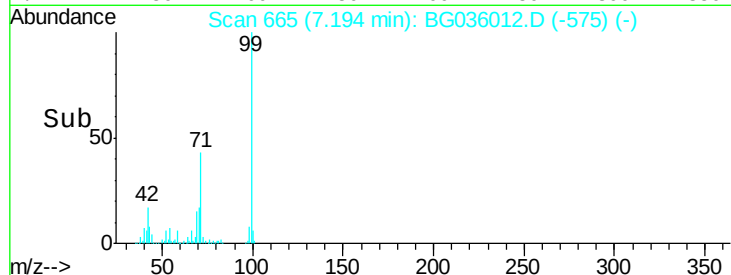
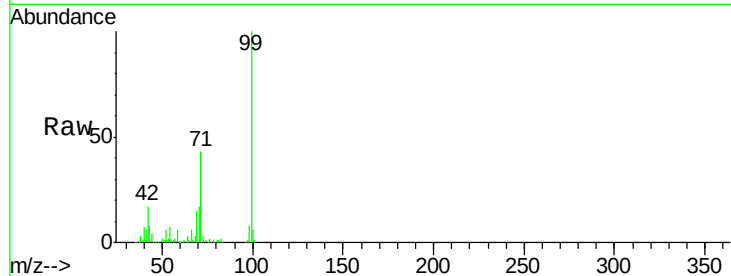
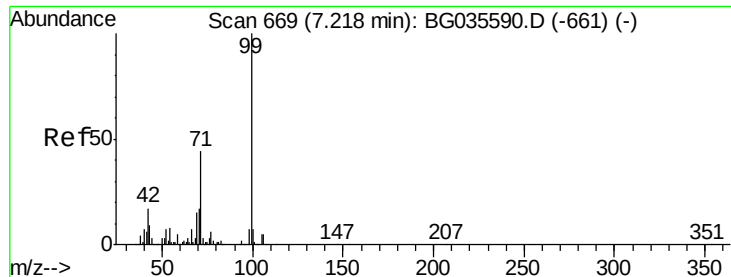
2-Fluorophenol
Concen: 138.157 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036012.D
Acq: 31 Jul 2018 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	56.3	84.5
63	37.5	30.1	45.1



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





#7

Phenol-d6

Concen: 120.014 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

Instrument :

BNA_G

ClientSampled :

TP-15-D

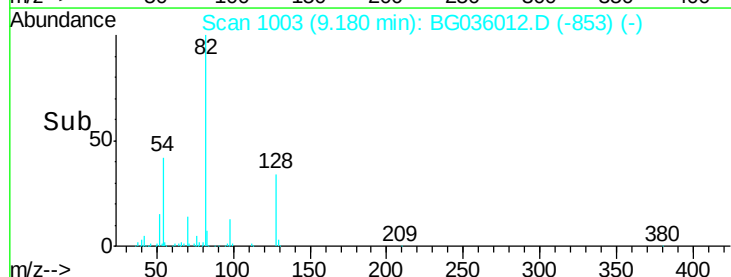
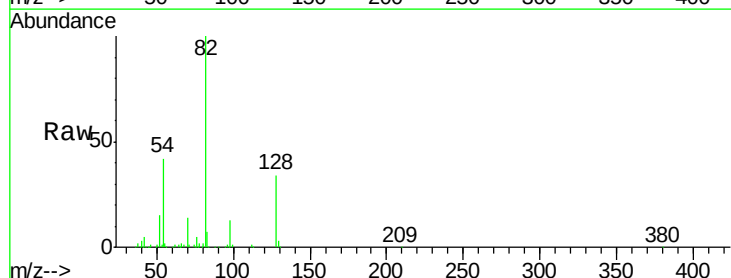
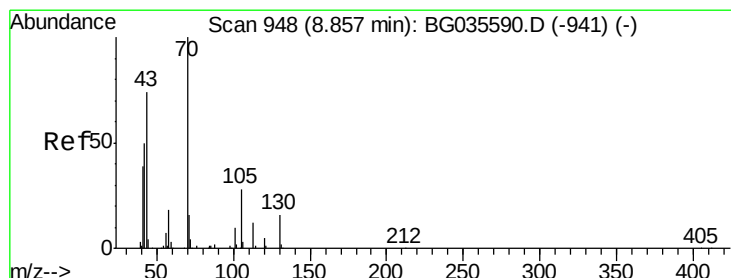
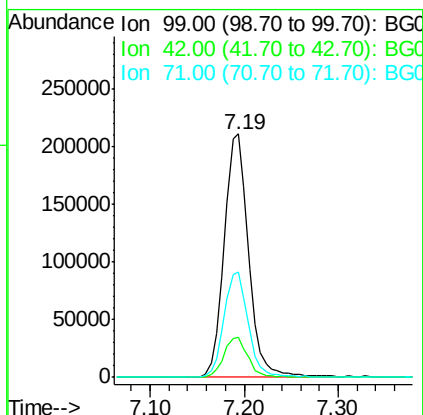
Tgt Ion: 99 Resp: 381980

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 43.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.586 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

Tgt Ion: 70 Resp: 41774

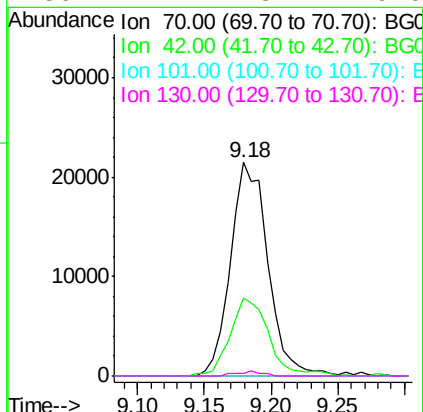
Ion Ratio Lower Upper

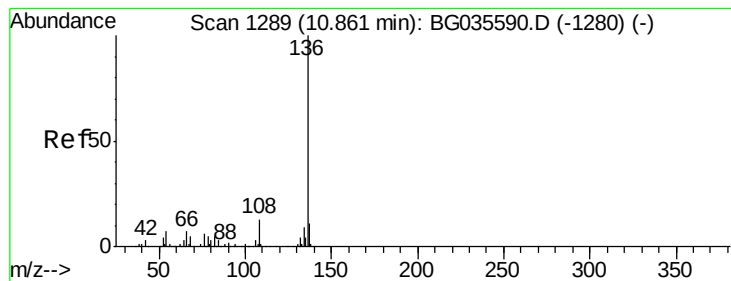
70 100

42 36.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

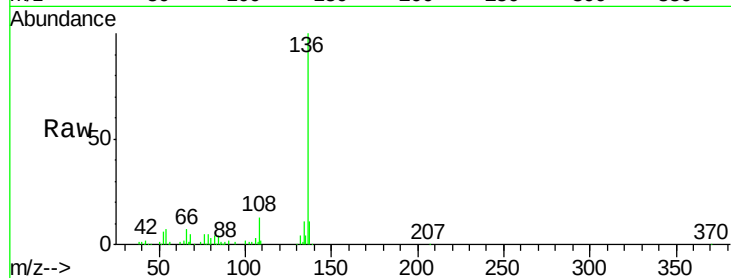
Instrument :

BNA_G

ClientSampleId :

TP-15-D

Tgt Ion:	136	Resp:	125443
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.8	10.3	15.5
68	5.5	4.5	6.7

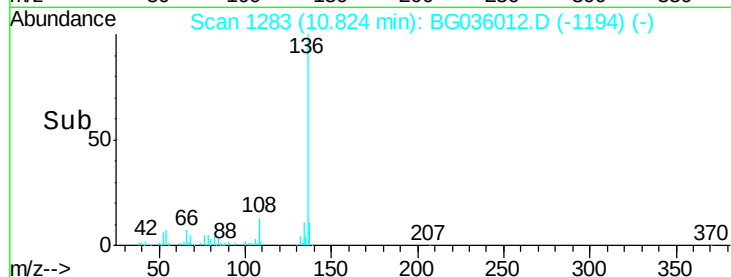
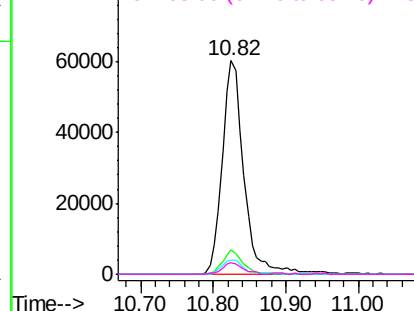


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 100.655 ng

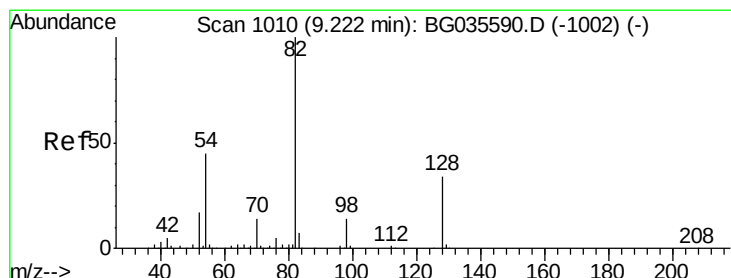
RT: 9.19 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

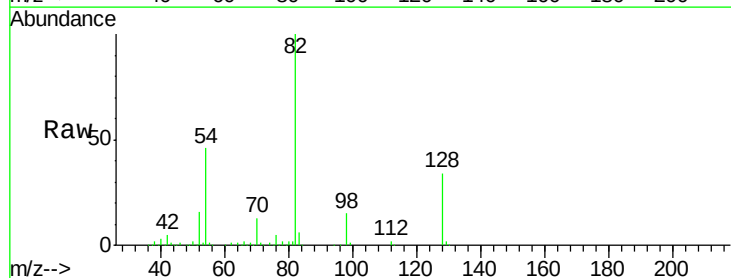
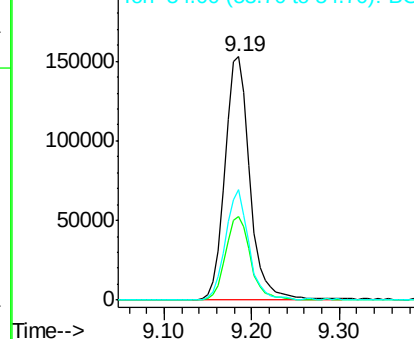
Tgt Ion:	82	Resp:	302252
Ion	Ratio	Lower	Upper
82	100		
128	34.1	29.7	44.5
54	45.6	43.1	64.7

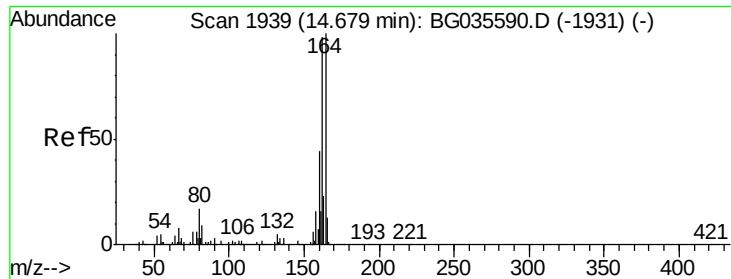


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

Instrument :

BNA_G

ClientSampleId :

TP-15-D

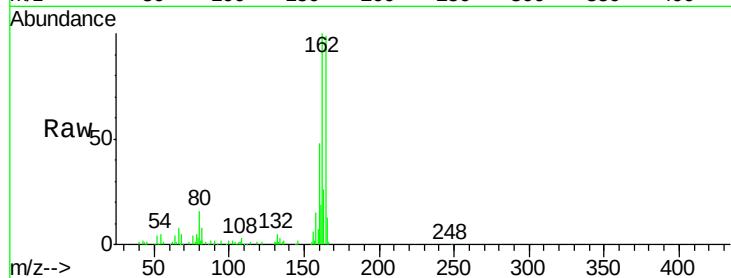
Tgt Ion:164 Resp: 86366

Ion Ratio Lower Upper

164 100

162 100.5 78.8 118.2

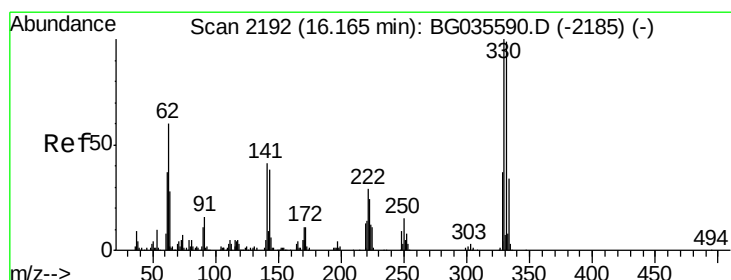
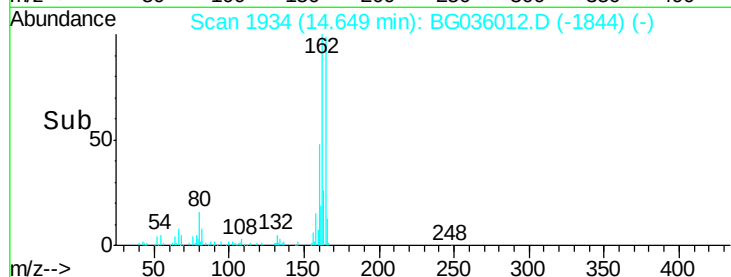
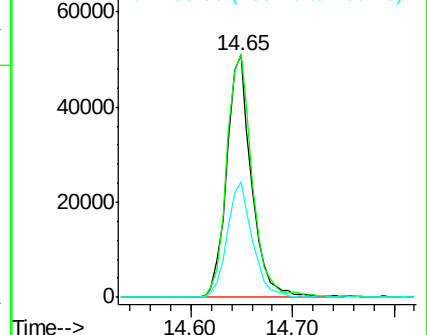
160 47.8 35.4 53.0



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: 180.587 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

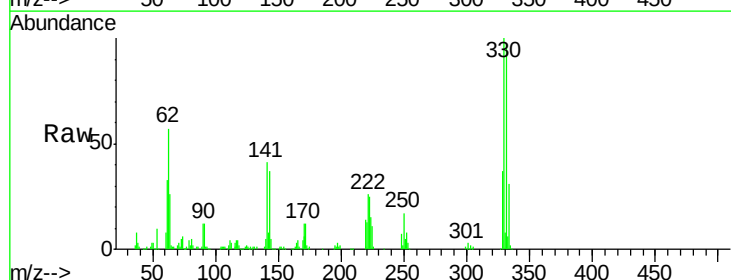
Tgt Ion:330 Resp: 205573

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

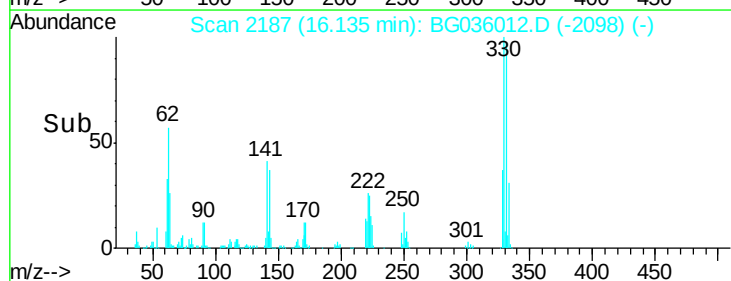
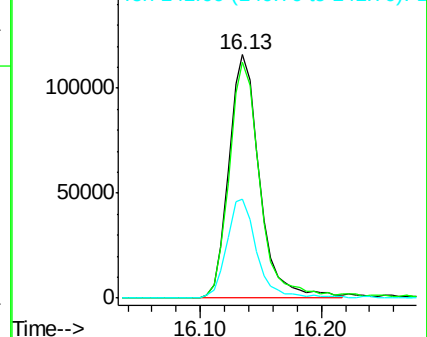
141 39.9 25.2 37.8#

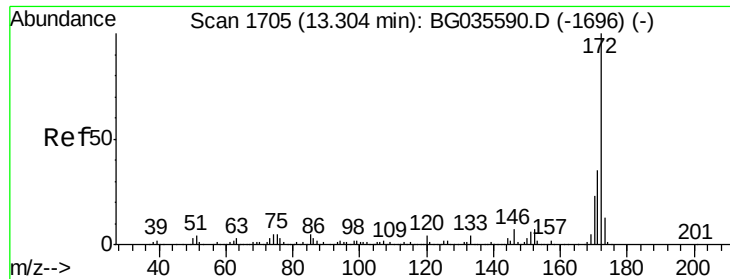


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

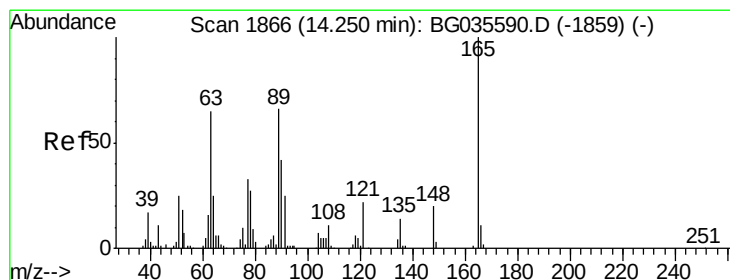
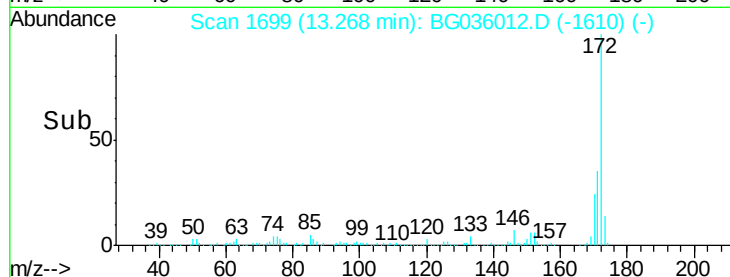
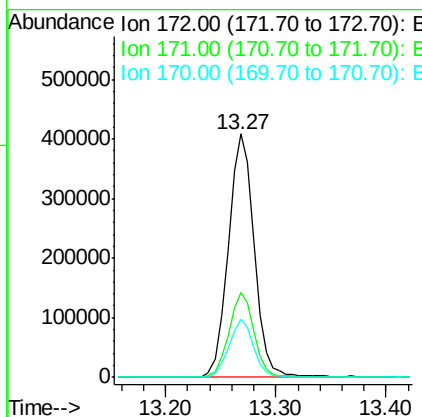
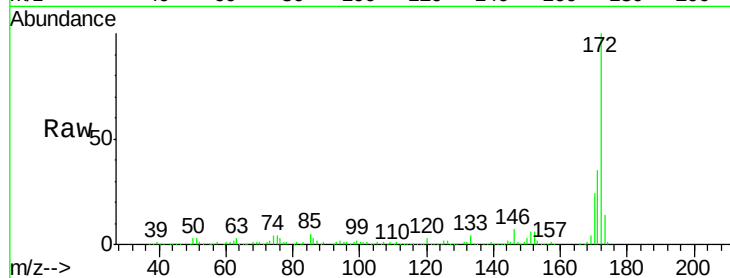




#44
 2-Fluorobiphenyl
 Concen: 103.944 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036012.D
 Acq: 31 Jul 2018 22:02

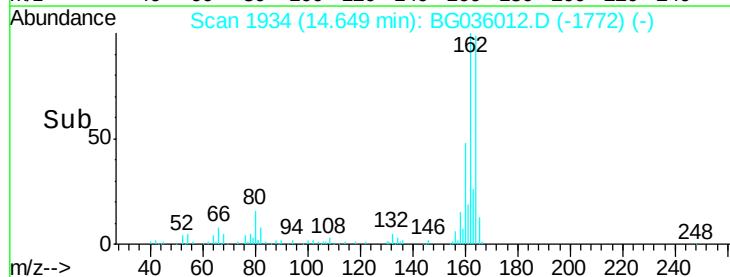
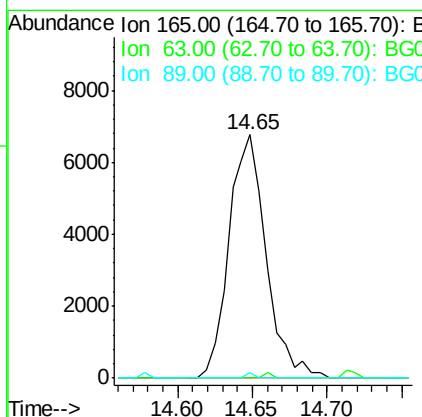
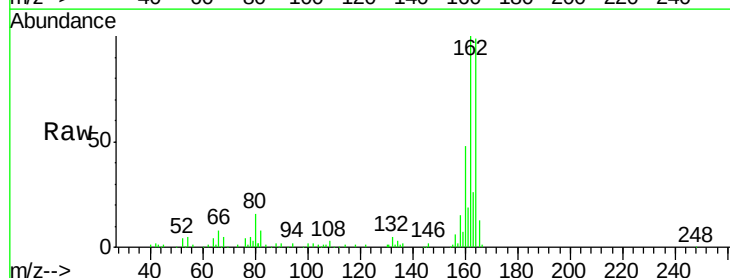
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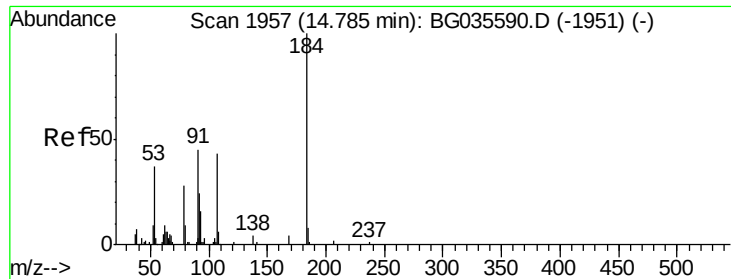
Tgt Ion:172 Resp: 670074
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.601 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036012.D
 Acq: 31 Jul 2018 22:02

Tgt Ion:165 Resp: 11712
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.4 49.2 73.8#

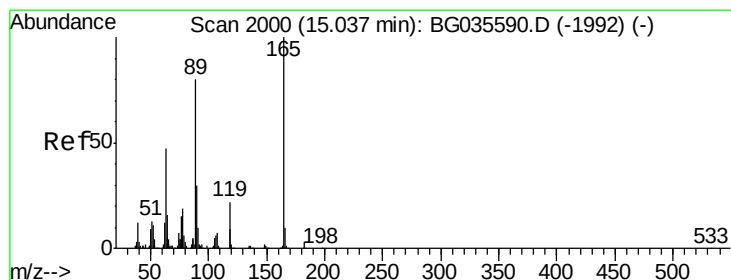
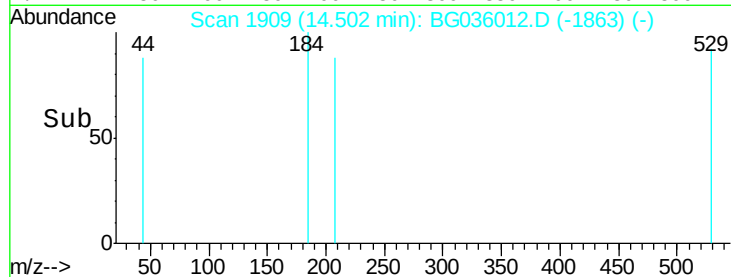
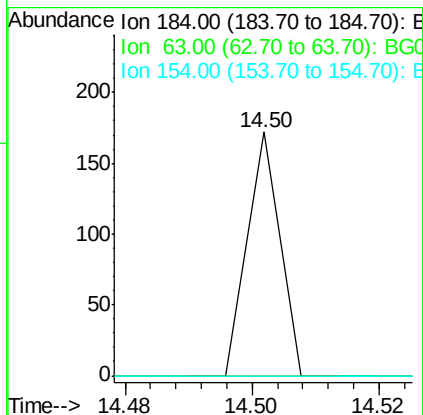
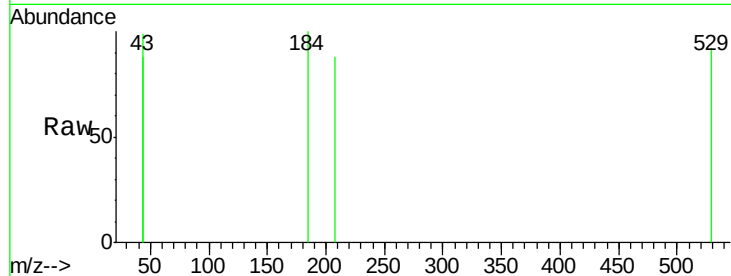




#53
2,4-Dinitrophenol
Concen: 6.653 ng
RT: 14.50 min Scan# 1909
Delta R.T. -0.26 min
Lab File: BG036012.D
Acq: 31 Jul 2018 22:02

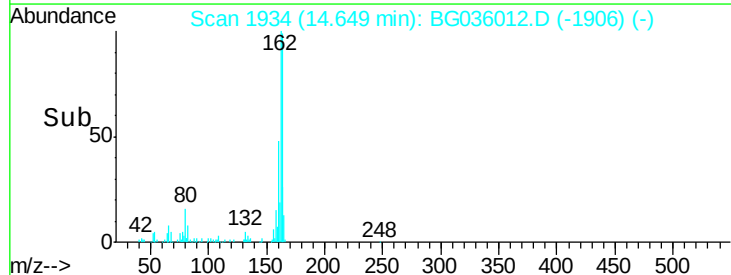
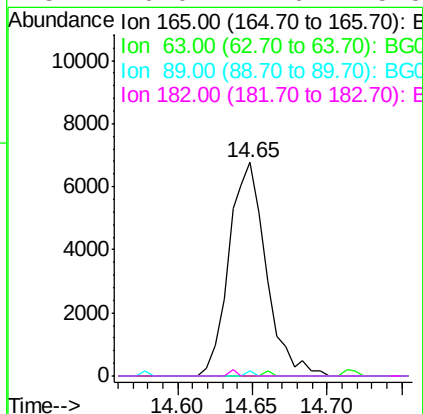
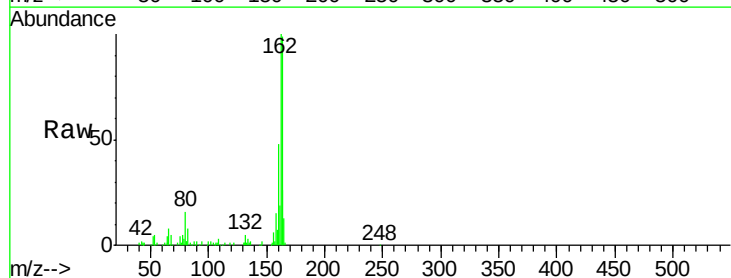
Instrument :
BNA_G
ClientSampleId :
TP-15-D

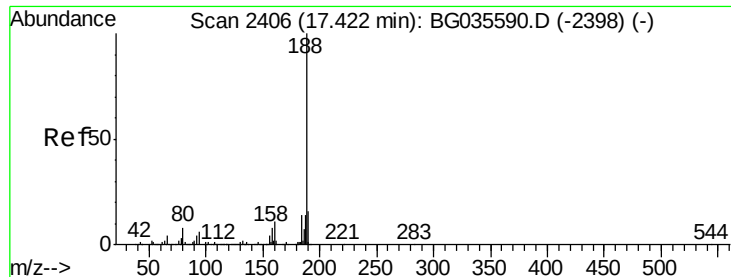
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.298 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG036012.D
Acq: 31 Jul 2018 22:02

Tgt Ion:165 Resp: 11712
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.4 66.9 100.3#
182 0.0 2.6 3.8#

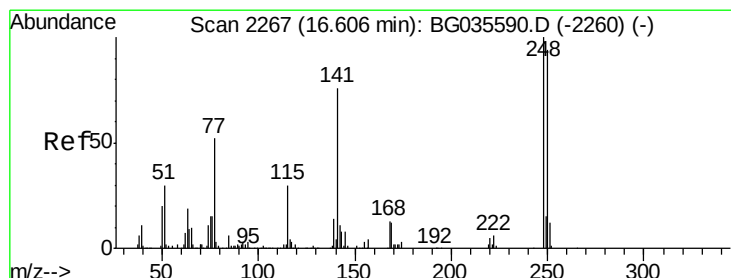
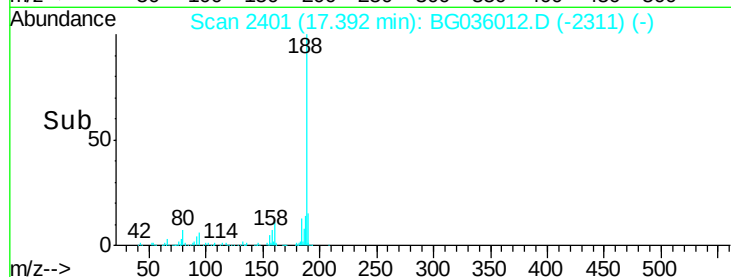
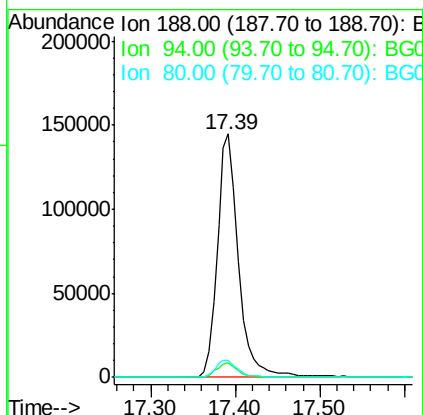
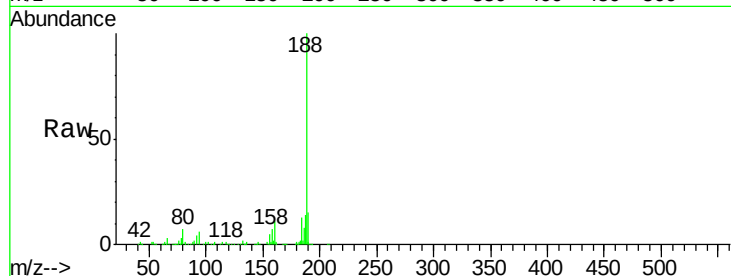




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG036012.D
 Acq: 31 Jul 2018 22:02

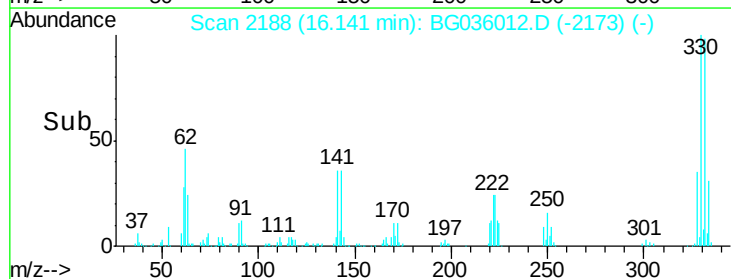
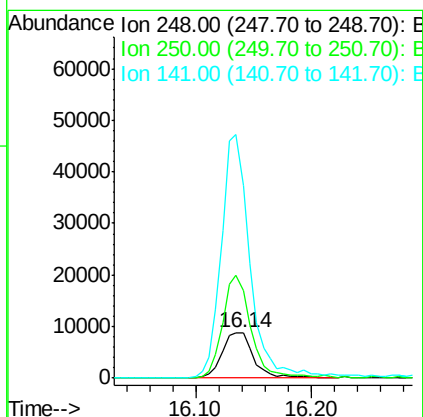
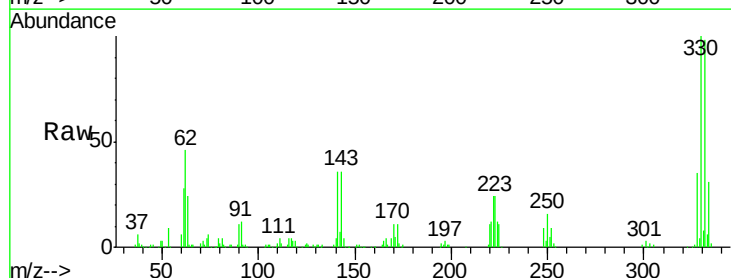
Instrument :
 BNA_G
 ClientSampleId :
 TP-15-D

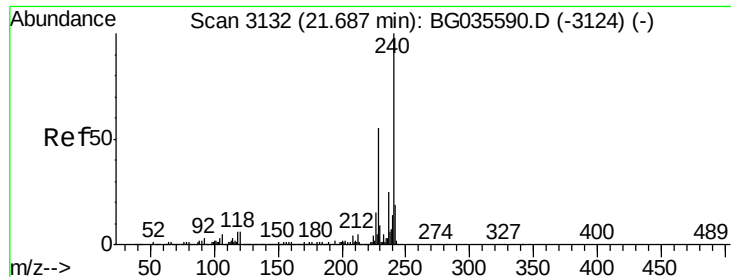
Tgt Ion:188 Resp: 253758
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.9 10.3#
 80 6.9 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.736 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.44 min
 Lab File: BG036012.D
 Acq: 31 Jul 2018 22:02

Tgt Ion:248 Resp: 16886
 Ion Ratio Lower Upper
 248 100
 250 189.3 77.1 115.7#
 141 419.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

Instrument :

BNA_G

ClientSampleId :

TP-15-D

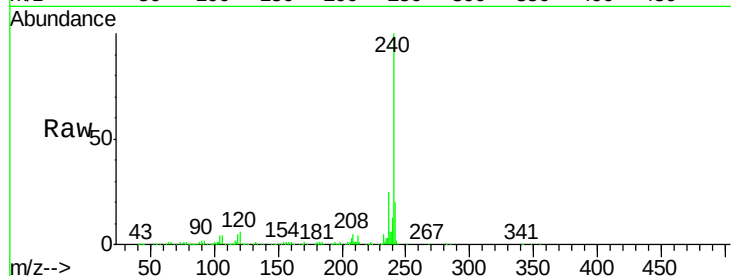
Tgt Ion:240 Resp: 302072

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

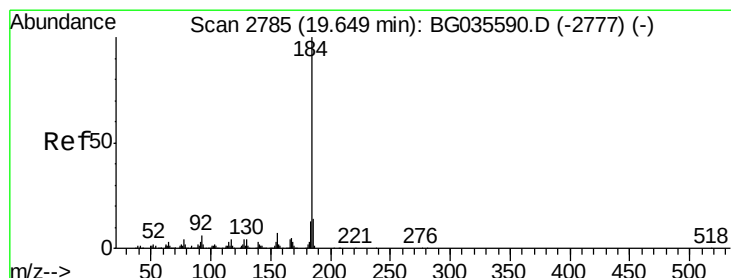
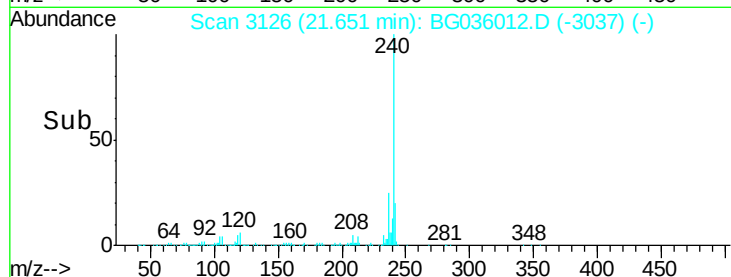
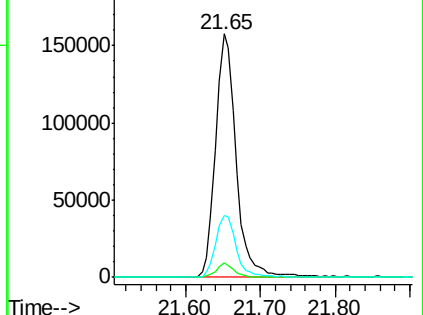
236 25.2 20.9 31.3



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: 3.367 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

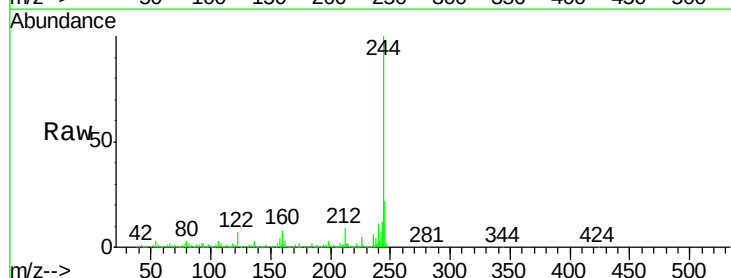
Tgt Ion:184 Resp: 26741

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

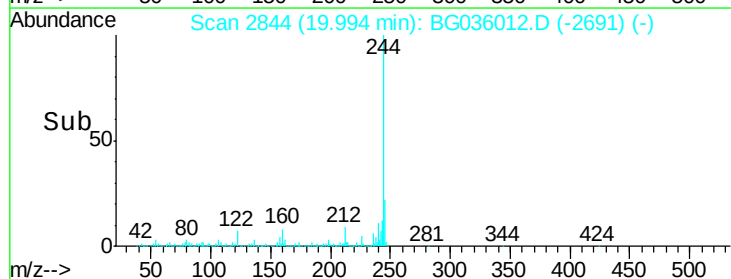
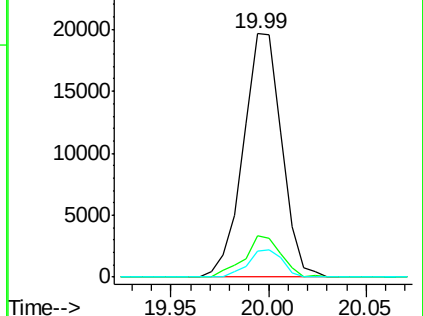
183 10.8 10.6 16.0

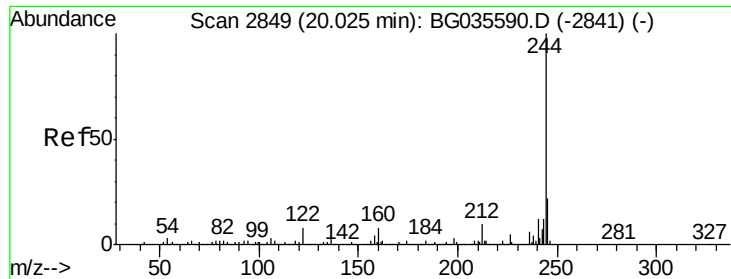


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.945 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

Instrument :

BNA_G

ClientSampleId :

TP-15-D

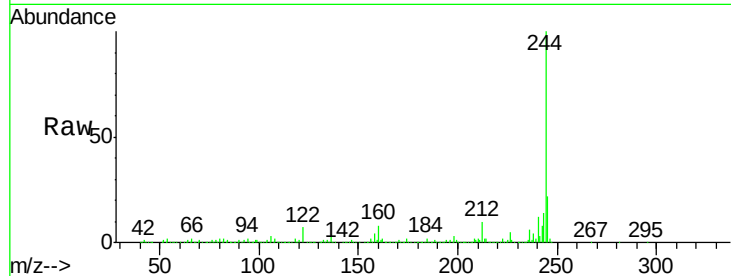
Tgt Ion:244 Resp: 1465544

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

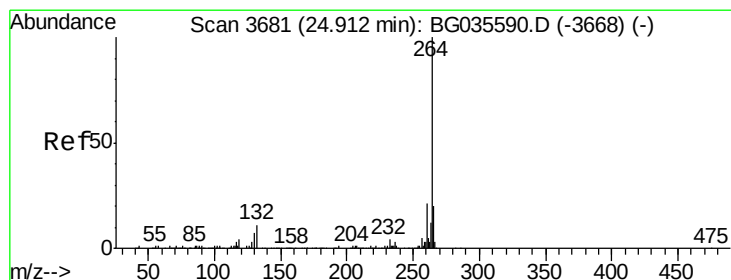
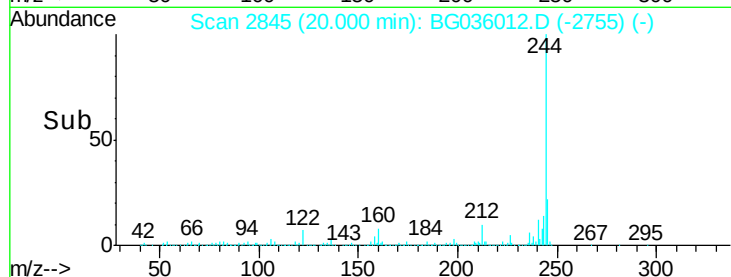
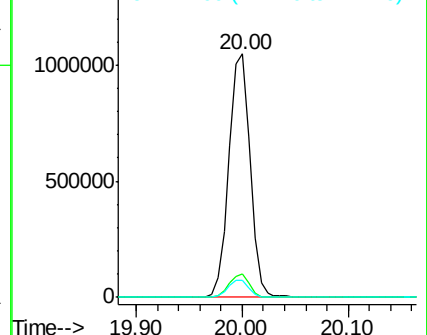
122 6.9 7.0 10.4#



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: 24.85 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG036012.D

Acq: 31 Jul 2018 22:02

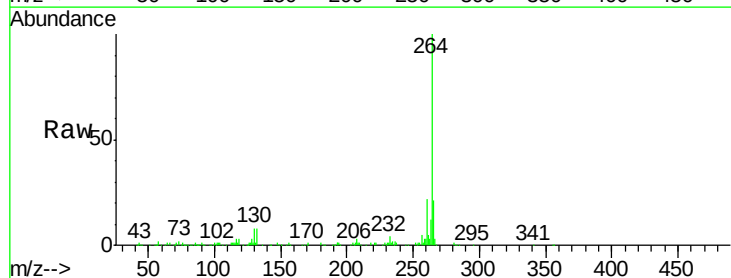
Tgt Ion:264 Resp: 272240

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 20.7 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

