

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072518\
 Data File : BG035910.D
 Acq On : 26 Jul 2018 15:18
 Operator : JU/SJ
 Sample : J4124-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11-D

Quant Time: Jul 26 16:13:56 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 25 11:04:14 2018
 Response via : Initial Calibration

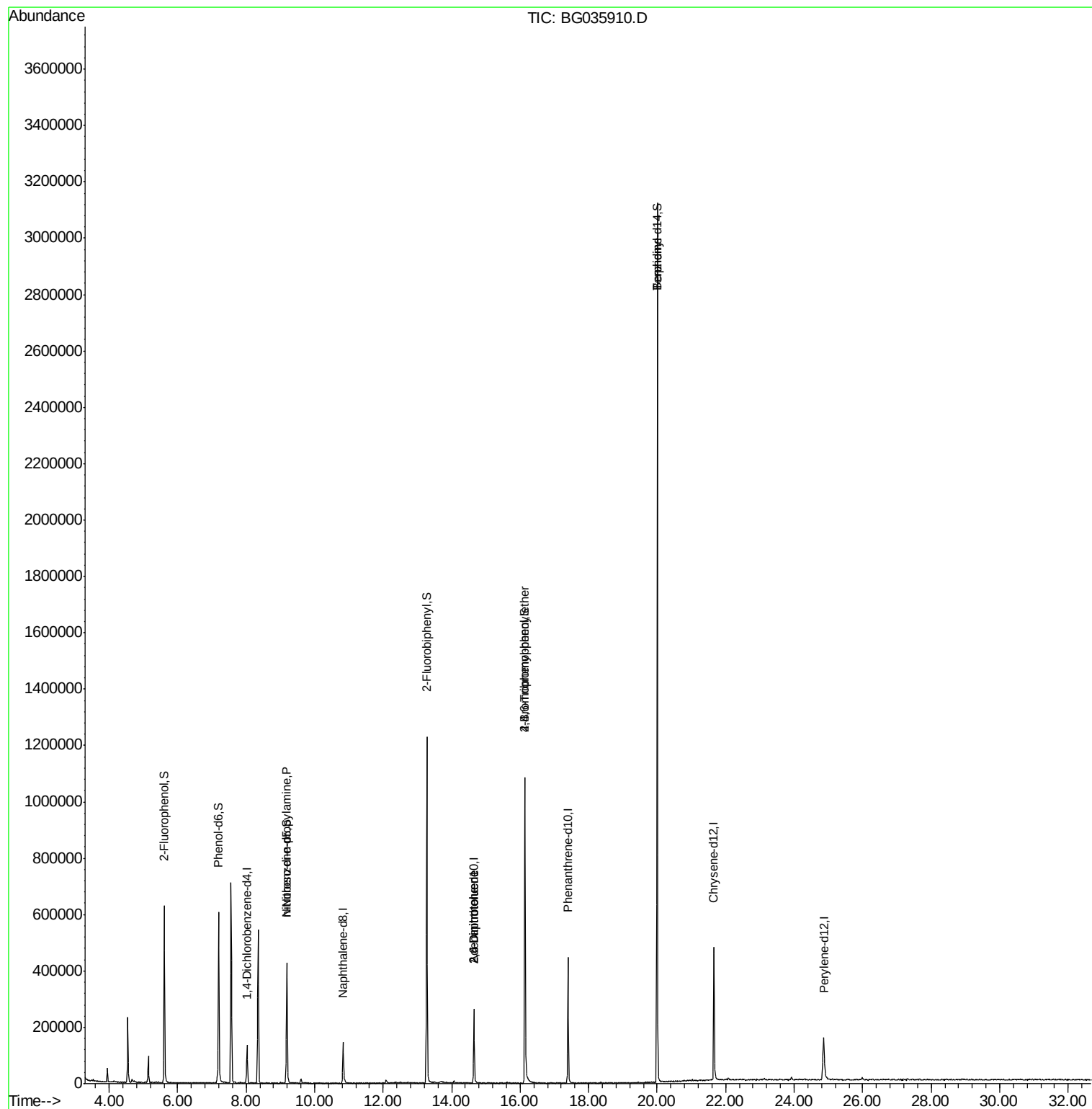
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36284	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	135160	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	96541	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	304490	20.00	ng	0.00
75) Chrysene-d12	21.65	240	329031	20.00	ng	0.00
86) Perylene-d12	24.85	264	161626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	285788	130.77	ng	0.00
7) Phenol-d6	7.20	99	370581	113.65	ng	0.00
23) Nitrobenzene-d5	9.19	82	297591	91.98	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	225087	176.89	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	711220	98.70	ng	0.00
78) Terphenyl-d14	20.00	244	1469027	98.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	41572	15.140	ng	# 71
50) 2,6-Dinitrotoluene	14.64	165	12872	7.473	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	12872	5.209	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	17436	4.936	ng	# 1
76) Benzidine	20.00	184	25135	2.906	ng	96

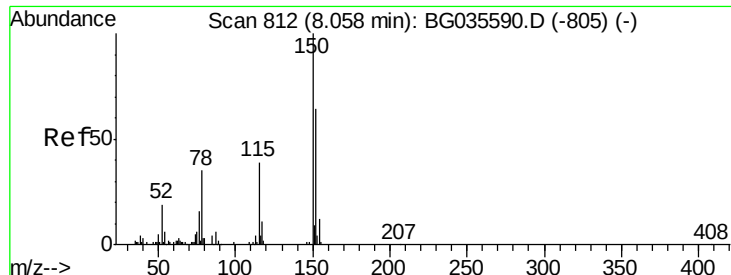
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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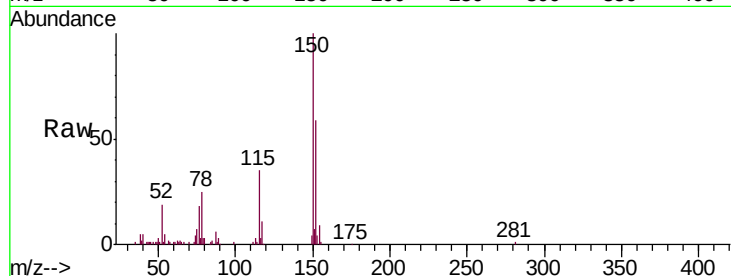


#1

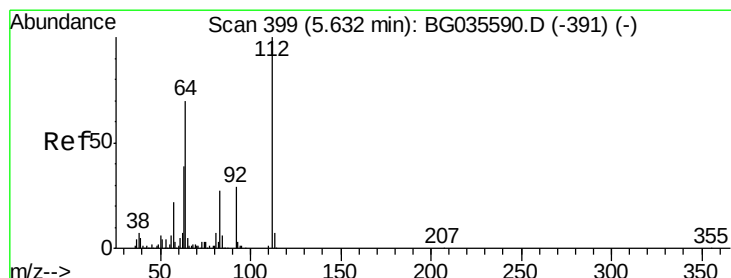
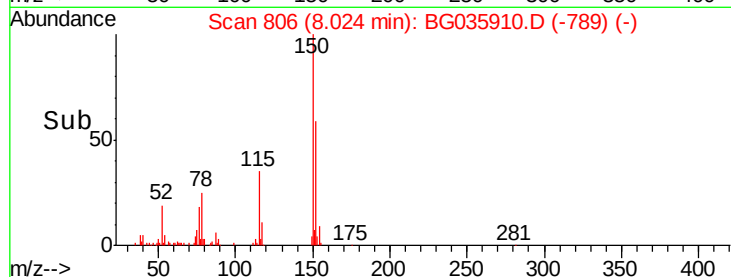
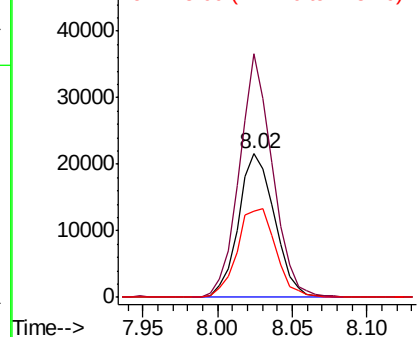
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Instrument :
BNA_G
ClientSampled :
TP-11-D

Tgt Ion:152 Resp: 36284
Ion Ratio Lower Upper
152 100
150 169.6 126.6 189.8
115 60.2 53.0 79.4



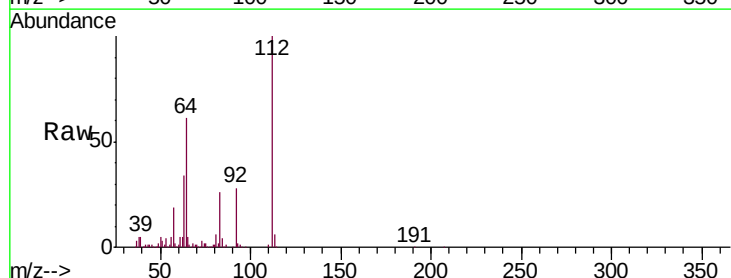
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



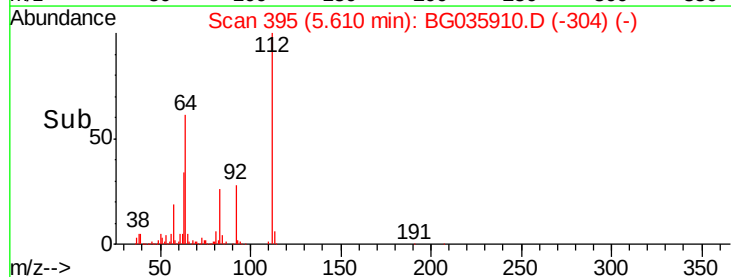
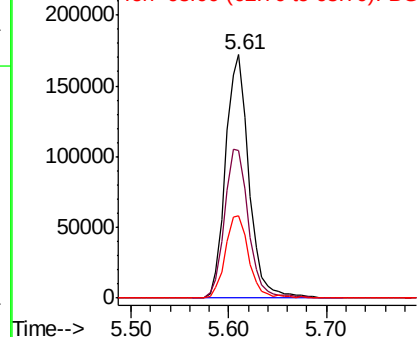
#5

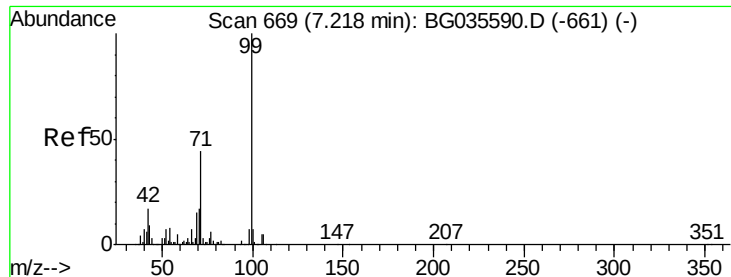
2-Fluorophenol
Concen: 130.767 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.01 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Tgt Ion:112 Resp: 285788
Ion Ratio Lower Upper
112 100
64 60.8 56.3 84.5
63 33.8 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: 113.651 ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035910.D

Acq: 26 Jul 2018 15:18

Instrument :

BNA_G

ClientSampleId :

TP-11-D

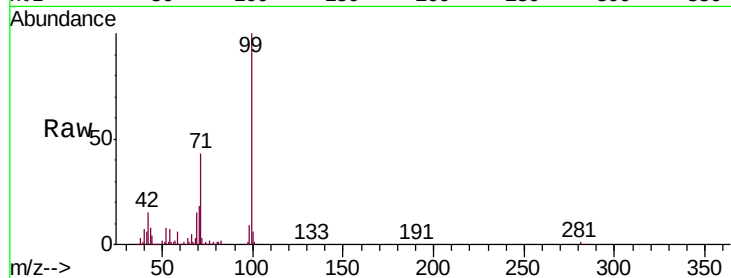
Tgt Ion: 99 Resp: 370581

Ion Ratio Lower Upper

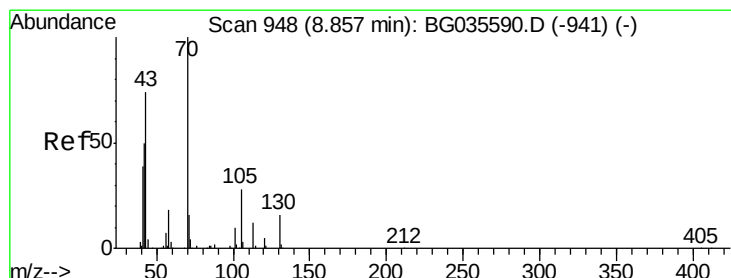
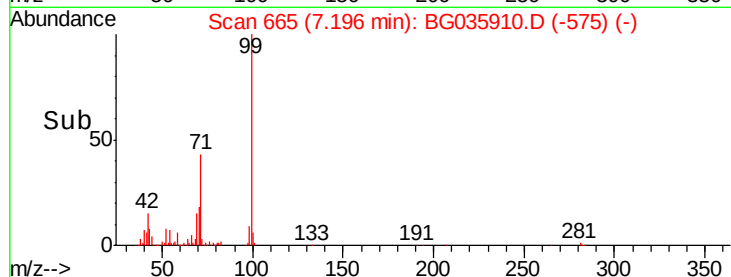
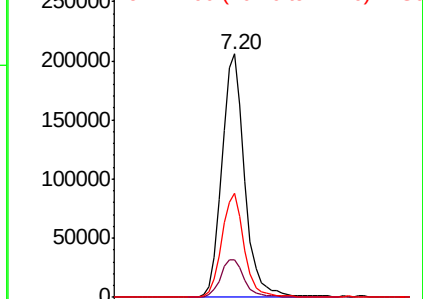
99 100

42 15.5 14.1 21.1

71 43.0 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: 15.140 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035910.D

Acq: 26 Jul 2018 15:18

Tgt Ion: 70 Resp: 41572

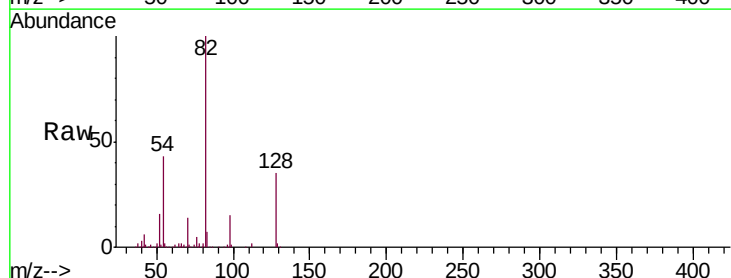
Ion Ratio Lower Upper

70 100

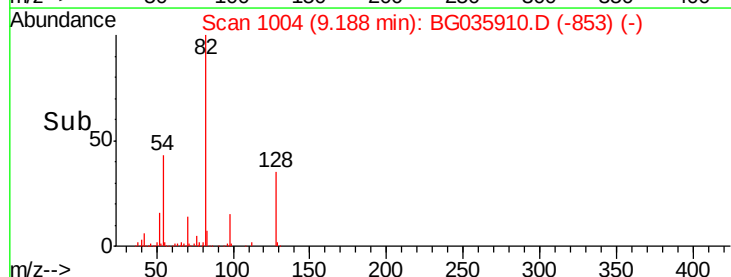
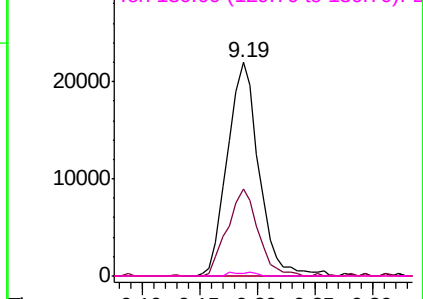
42 40.9 49.1 73.7#

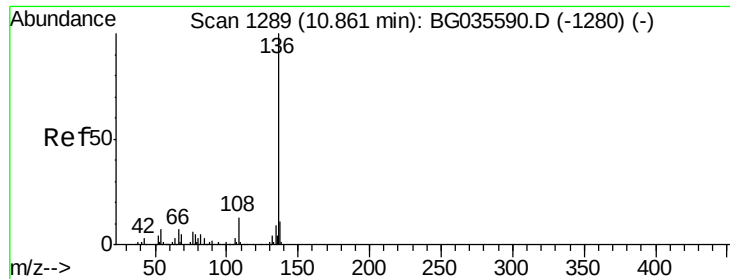
101 0.0 8.5 12.7#

130 1.5 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

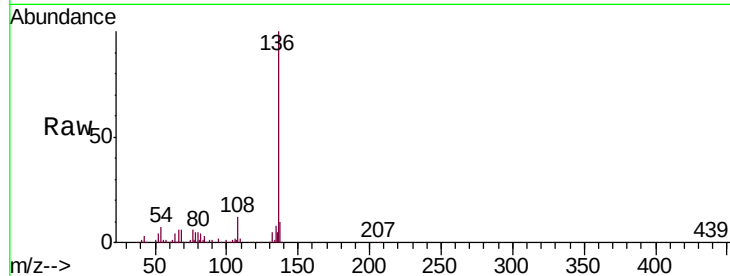




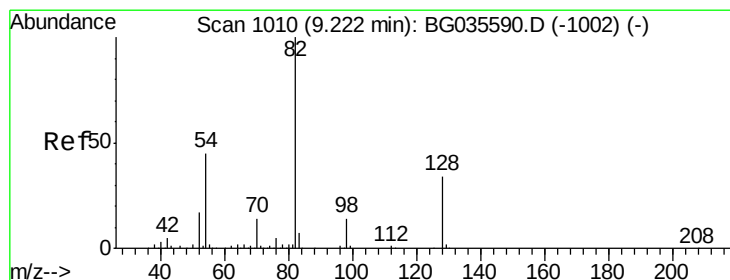
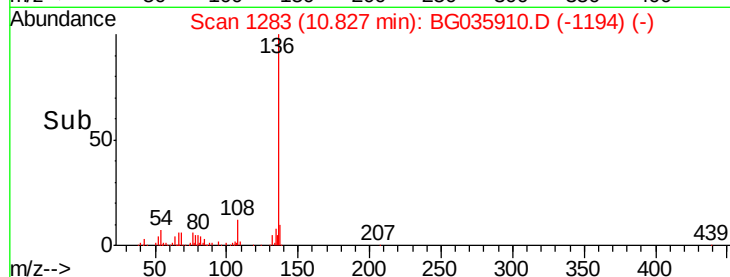
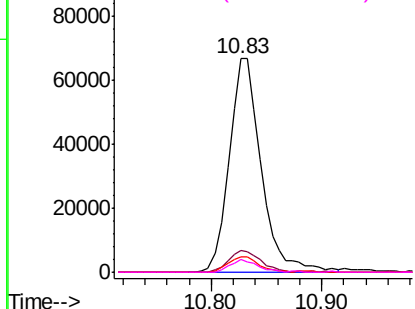
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Instrument :
BNA_G
ClientSampleId :
TP-11-D

Tgt Ion:	136	Resp:	135160
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.1	10.3	15.5#
68	5.9	4.5	6.7

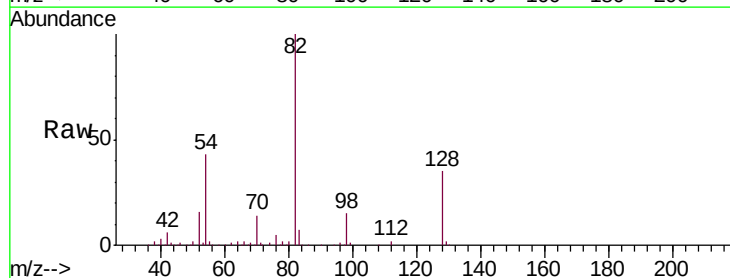


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

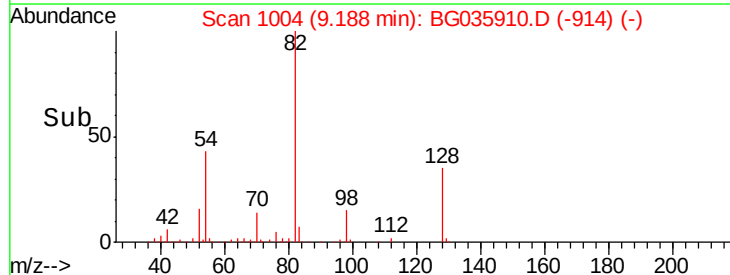
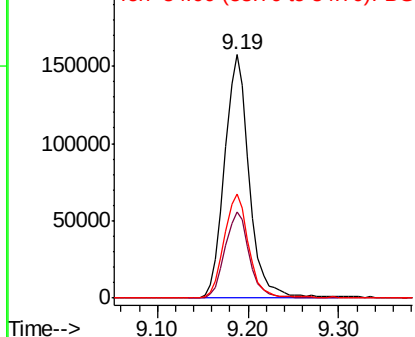


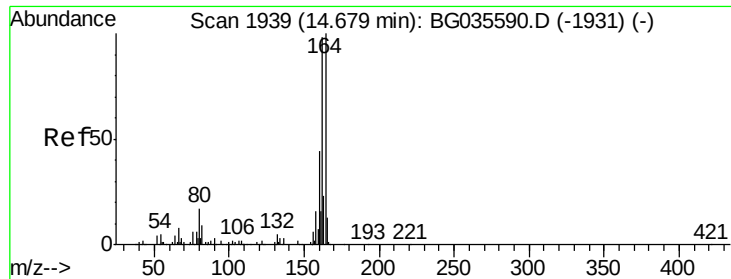
#23
Nitrobenzene-d5
Concen: 91.978 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Tgt Ion:	82	Resp:	297591
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.7	44.5
54	42.8	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: BG035910.D

Acq: 26 Jul 2018 15:18

Instrument :

BNA_G

ClientSampleId :

TP-11-D

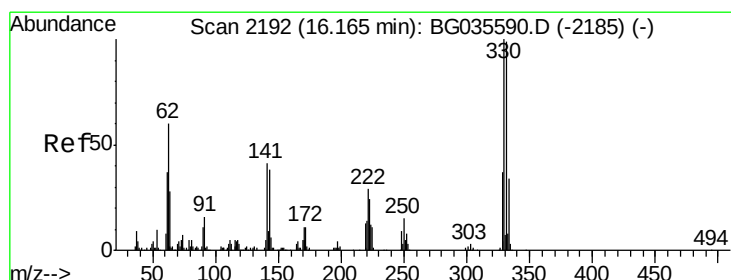
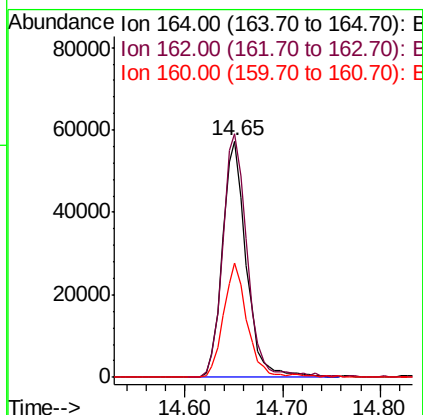
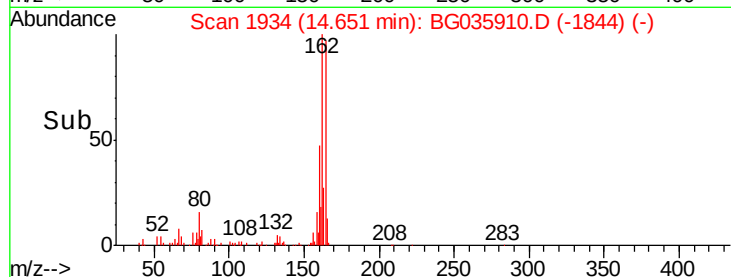
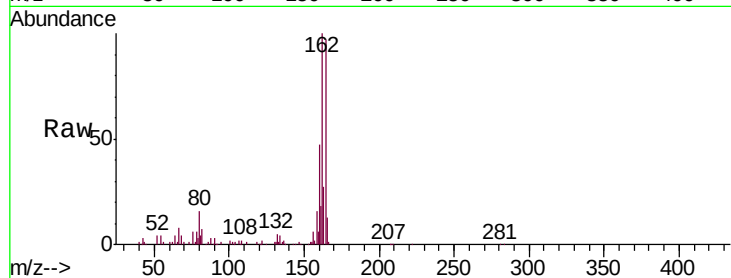
Tgt Ion:164 Resp: 96541

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

160 48.3 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 176.889 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035910.D

Acq: 26 Jul 2018 15:18

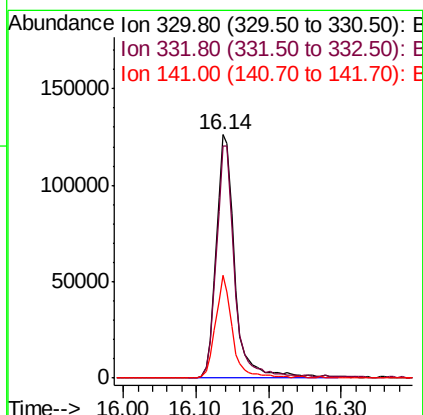
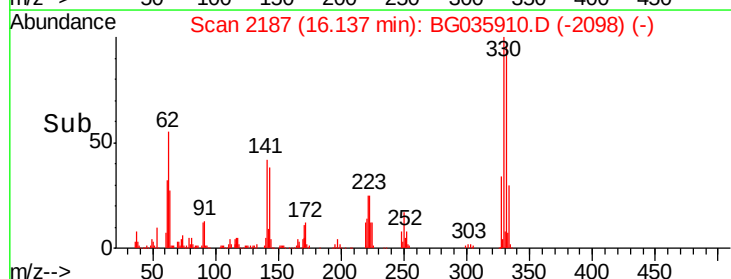
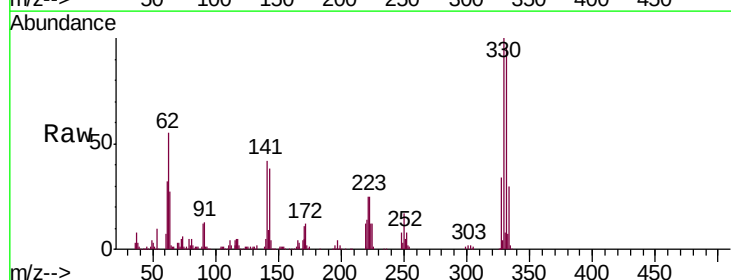
Tgt Ion:330 Resp: 225087

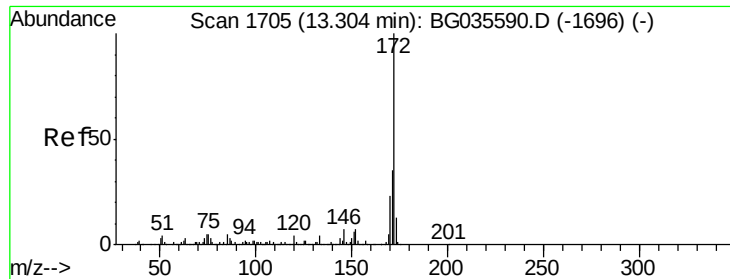
Ion Ratio Lower Upper

330 100

332 93.8 77.0 115.6

141 38.6 25.2 37.8#

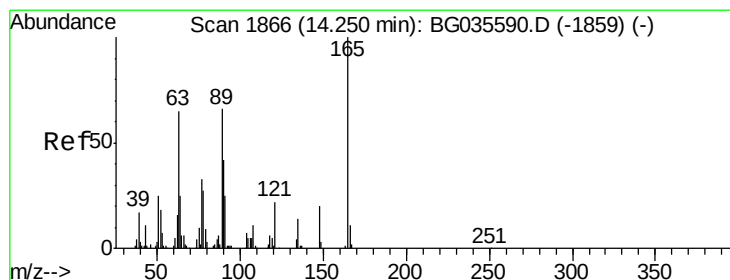
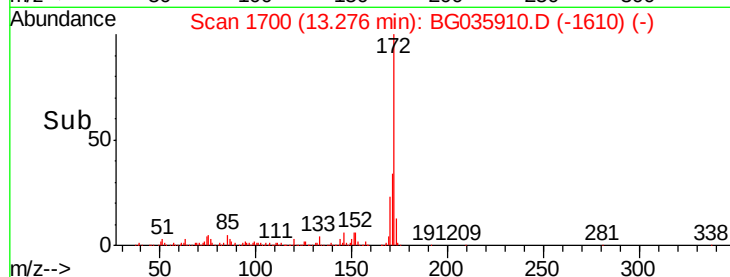
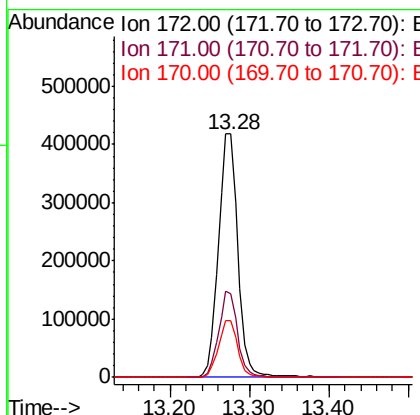
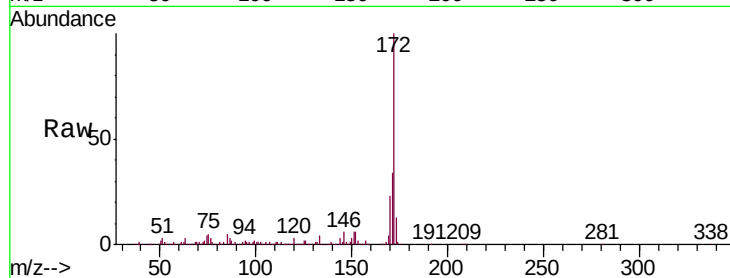




#44
 2-Fluorobiphenyl
 Concen: 98.699 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: BG035910.D
 Acq: 26 Jul 2018 15:18

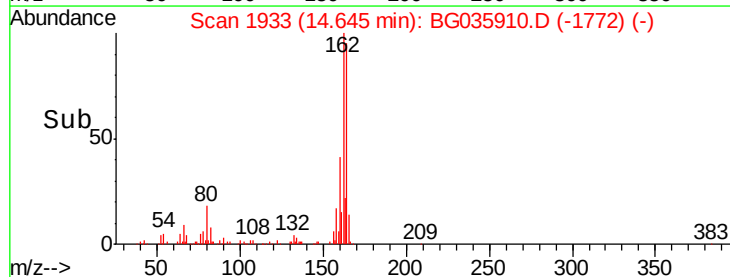
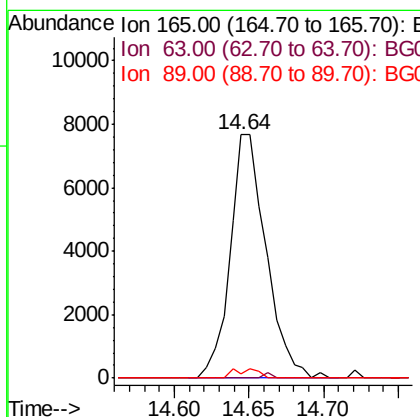
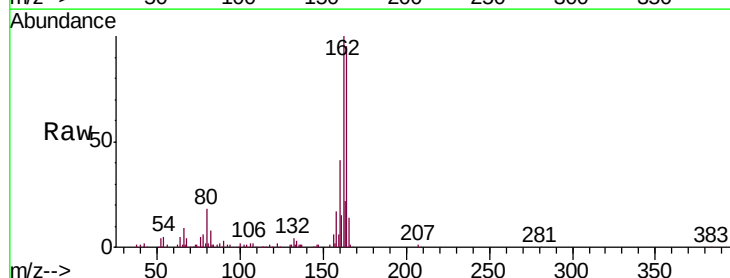
Instrument :
 BNA_G
 ClientSampled :
 TP-11-D

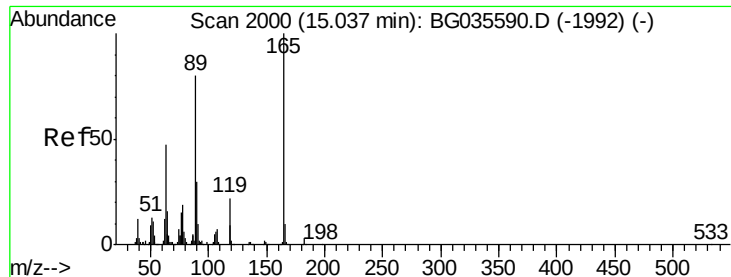
Tgt Ion:172 Resp: 711220
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 23.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.473 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035910.D
 Acq: 26 Jul 2018 15:18

Tgt Ion:165 Resp: 12872
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.209 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG035910.D

Acq: 26 Jul 2018 15:18

Instrument :

BNA_G

ClientSampleId :

TP-11-D

Tgt Ion:165 Resp: 12872

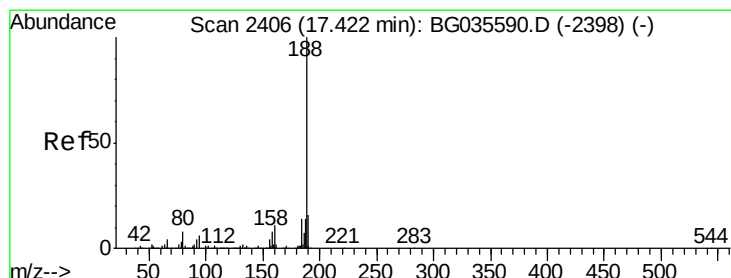
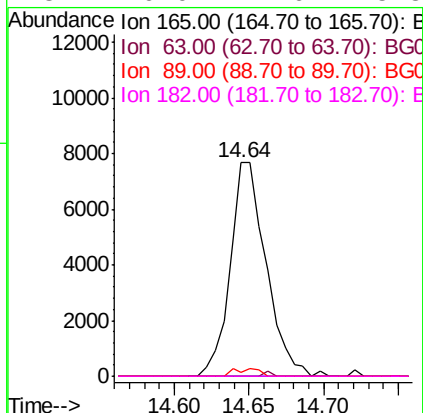
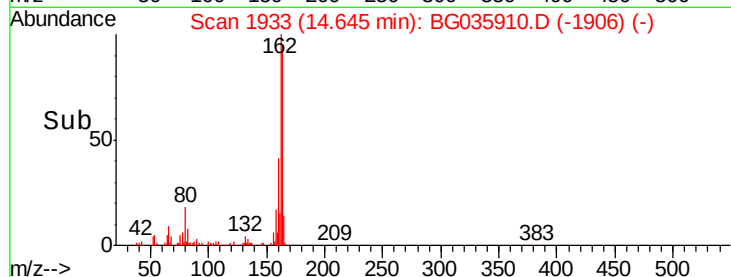
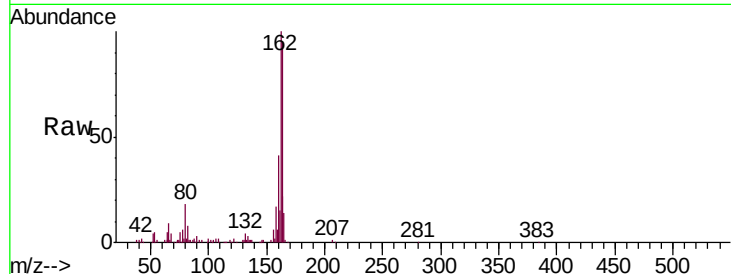
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 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: BG035910.D

Acq: 26 Jul 2018 15:18

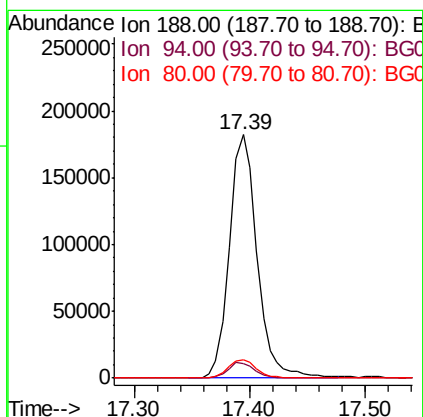
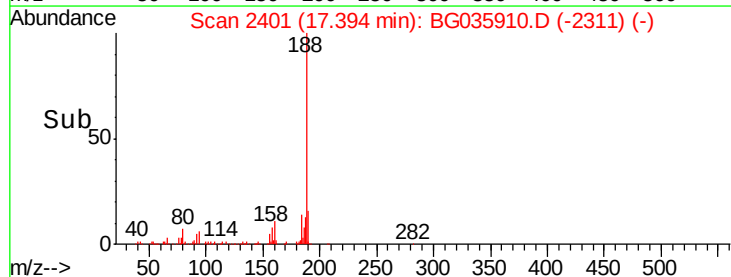
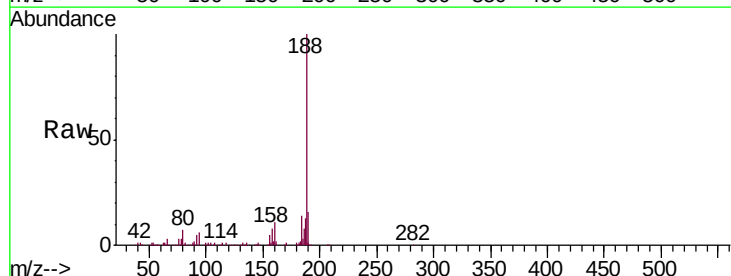
Tgt Ion:188 Resp: 304490

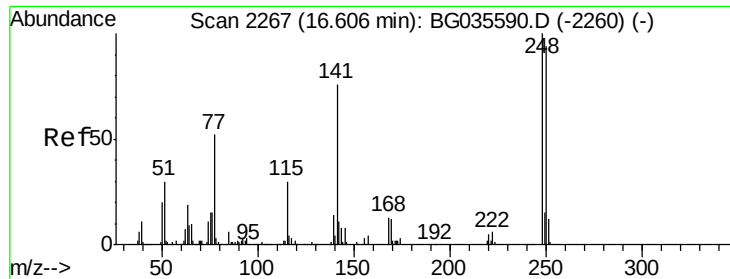
Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

80 7.5 7.7 11.5#

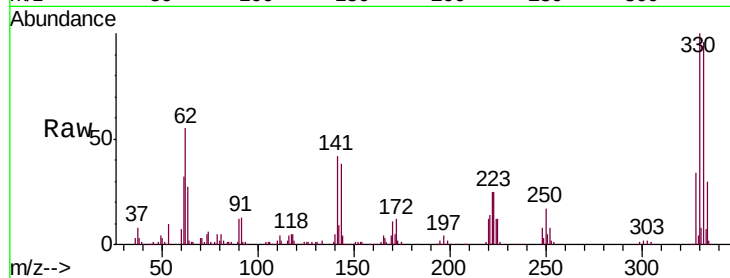




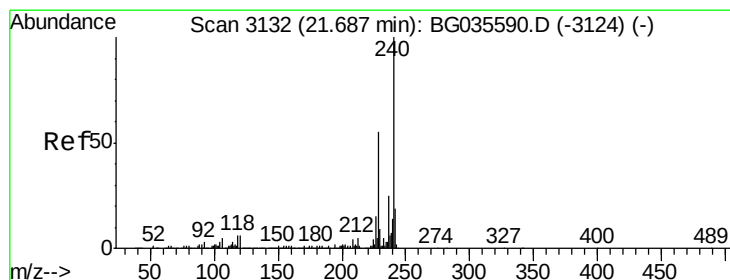
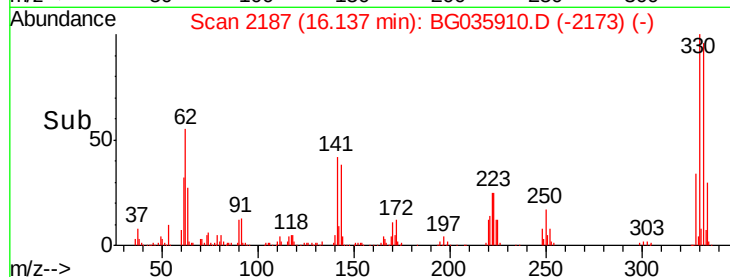
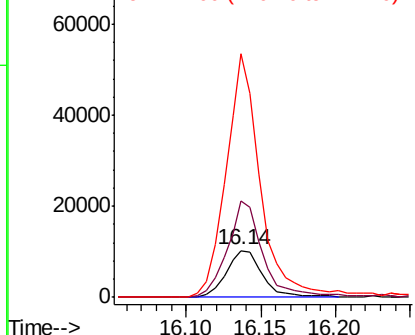
#66
 4-Bromophenyl-phenylether
 Concen: 4.936 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035910.D
 Acq: 26 Jul 2018 15:18

Instrument :
 BNA_G
 ClientSampleId :
 TP-11-D

Tgt Ion: 248 Resp: 17436
 Ion Ratio Lower Upper
 248 100
 250 206.3 77.1 115.7#
 141 520.2 50.8 76.2#

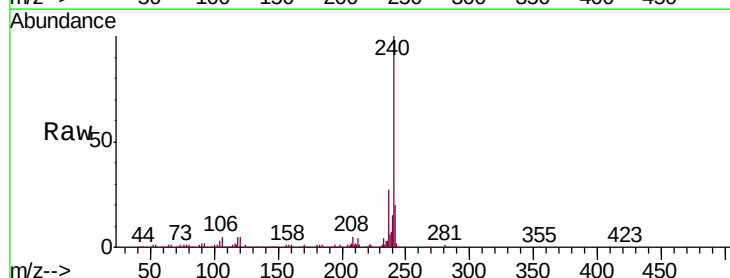


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

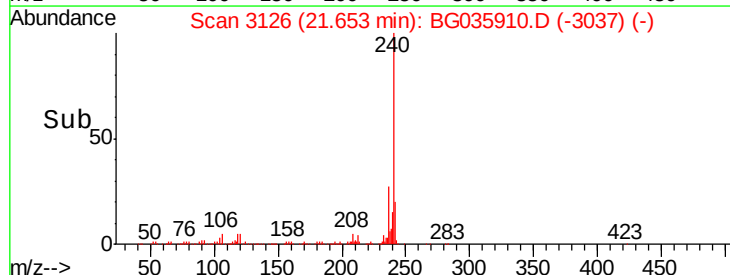
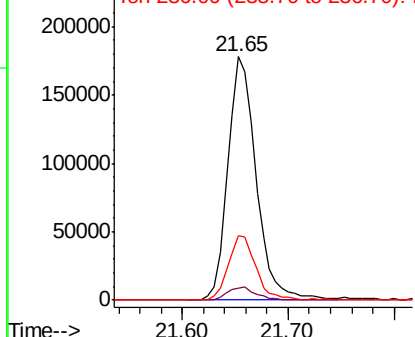


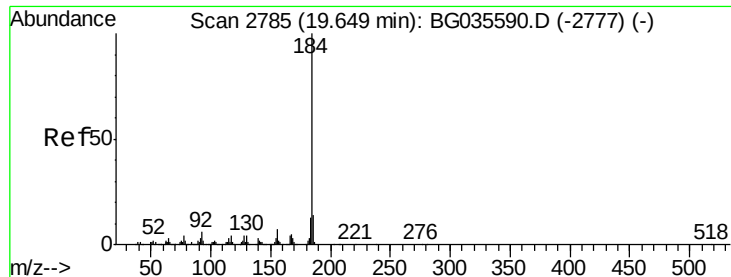
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG035910.D
 Acq: 26 Jul 2018 15:18

Tgt Ion: 240 Resp: 329031
 Ion Ratio Lower Upper
 240 100
 120 4.9 6.8 10.2#
 236 26.6 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

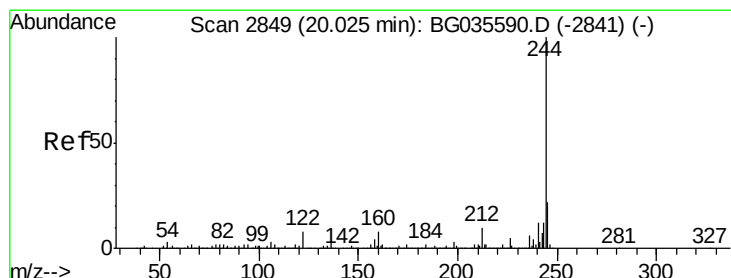
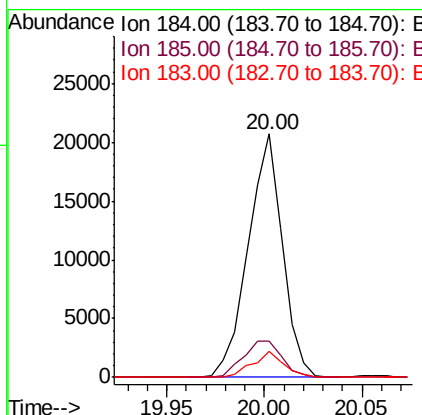
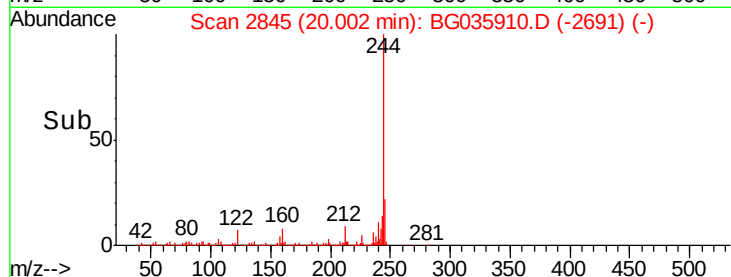
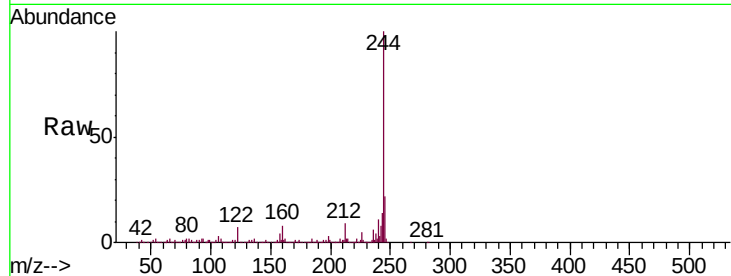




#76
Benzidine
Concen: 2.906 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.38 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

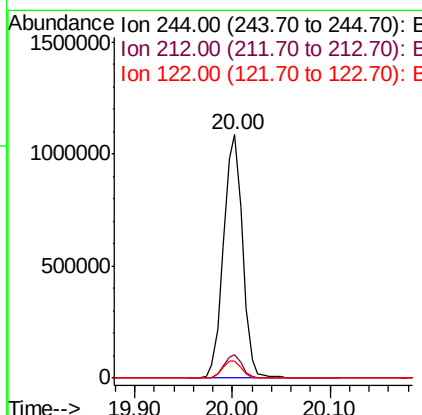
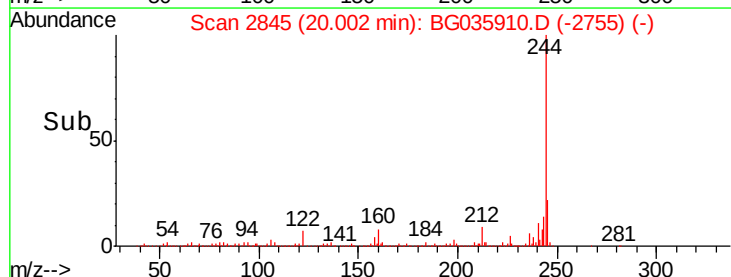
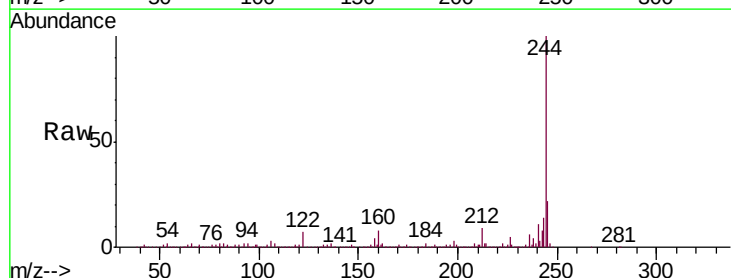
Instrument :
BNA_G
ClientSampleId :
TP-11-D

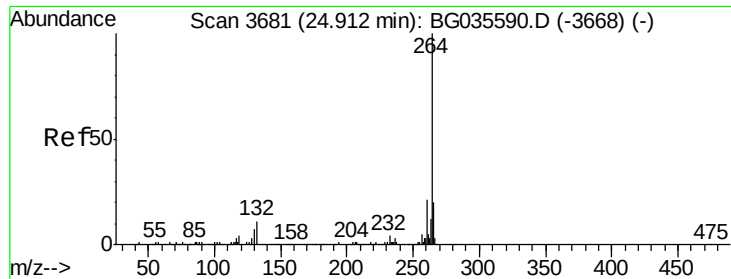
Tgt Ion:184 Resp: 25135
Ion Ratio Lower Upper
184 100
185 14.9 11.1 16.7
183 10.9 10.6 16.0



#78
Terphenyl-d14
Concen: 98.416 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Tgt Ion:244 Resp: 1469027
Ion Ratio Lower Upper
244 100
212 9.5 5.8 8.8#
122 7.1 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035910.D
Acq: 26 Jul 2018 15:18

Instrument :
BNA_G
ClientSampleId :
TP-11-D

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.4	26.0
265	18.7	17.7	26.5

