

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035933.D
 Acq On : 27 Jul 2018 12:11
 Operator : JU/SJ
 Sample : PB111401TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 27 13:54:23 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

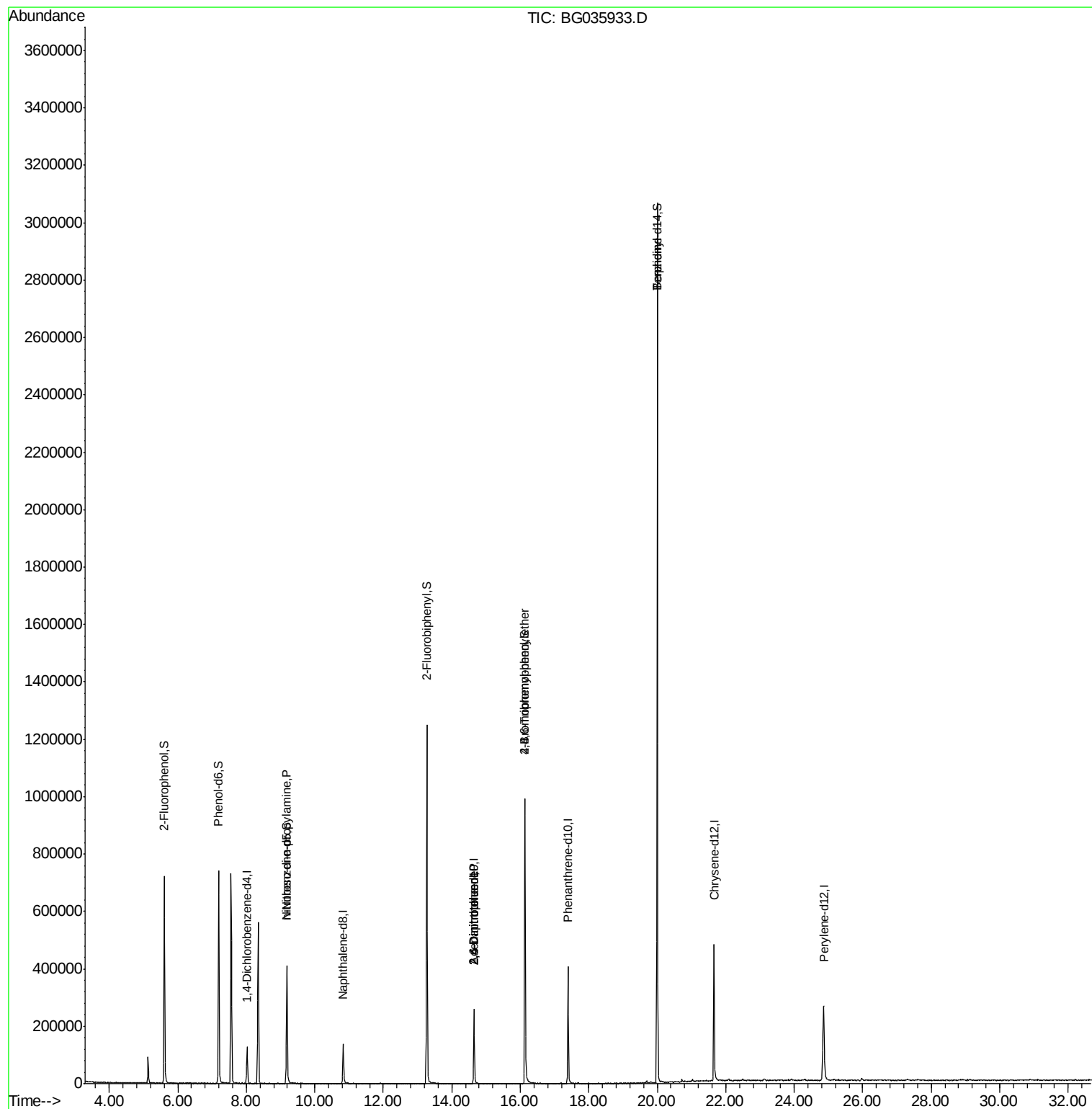
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36317	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	133078	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	98459	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	288632	20.00	ng	0.00
75) Chrysene-d12	21.66	240	328257	20.00	ng	0.00
86) Perylene-d12	24.85	264	308944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	321833	147.13	ng	0.00
7) Phenol-d6	7.19	99	458123	140.37	ng	0.00
23) Nitrobenzene-d5	9.19	82	296327	93.02	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	200480	154.48	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	719955	97.96	ng	0.00
78) Terphenyl-d14	20.00	244	1485660	99.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	41254	15.011	ng	# 61
50) 2,6-Dinitrotoluene	14.65	165	12919	7.354	ng	# 20
53) 2,4-Dinitrophenol	14.65	184	54	6.637	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	12919	5.126	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	16037	4.789	ng	# 1
76) Benzidine	20.00	184	25989	3.011	ng	# 91

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

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Instrument :
BNA_G
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Quant Time: Jul 27 13:54:23 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



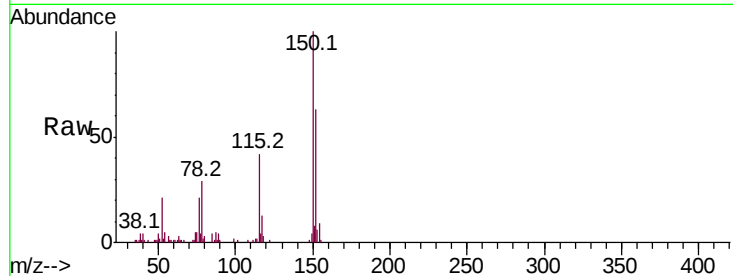


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.6	189.8
115	65.9	53.0	79.4

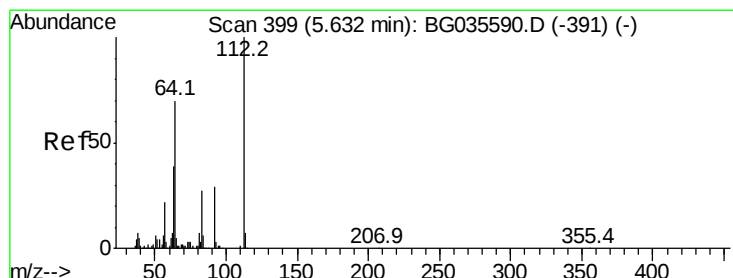
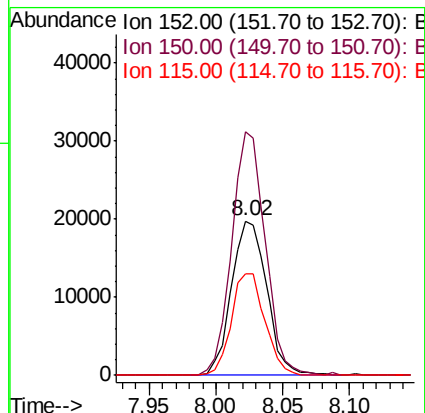
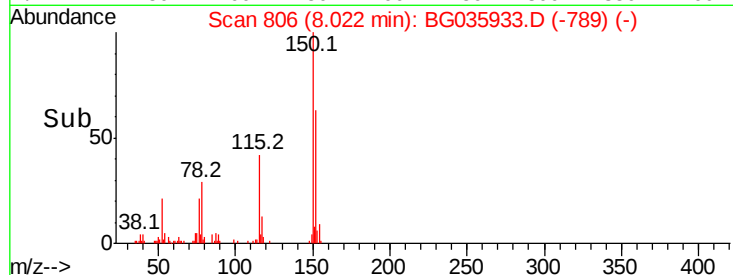


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

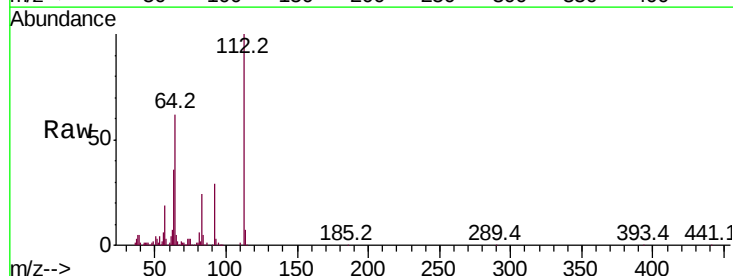
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 147.126 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	36.1	30.1	45.1

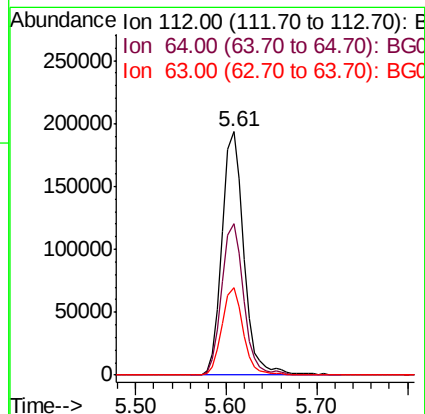
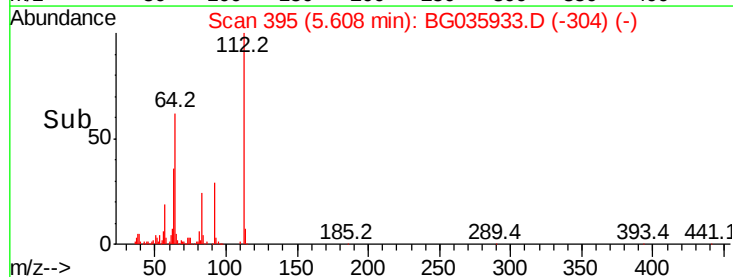


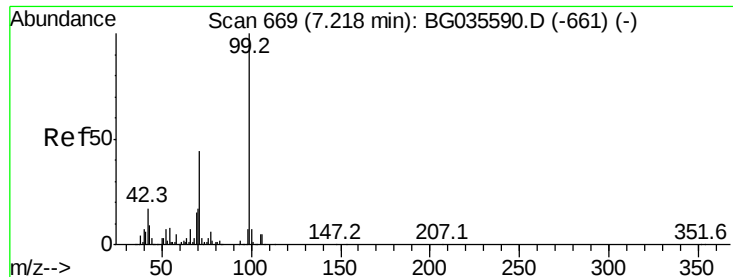
Abundance

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: 140.371 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

Instrument :

BNA_G

ClientSampleId :

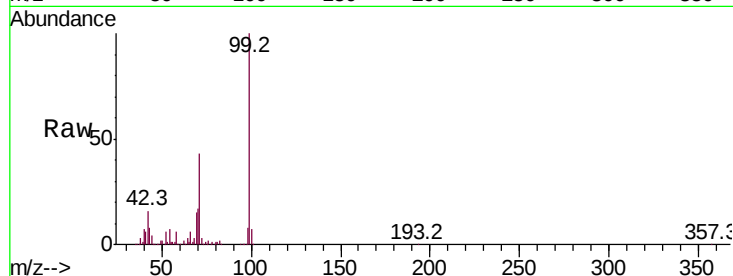
Tot Ion: 99 Resp: 458123

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

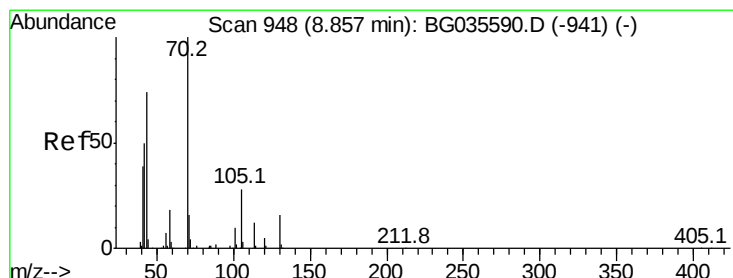
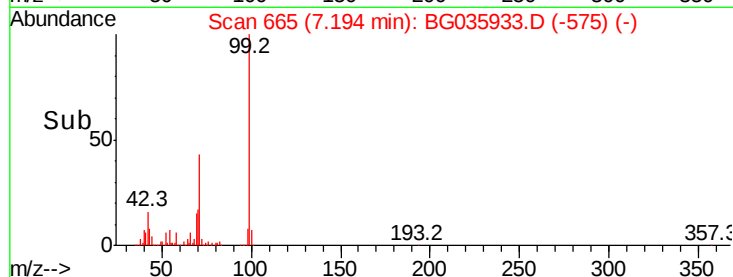
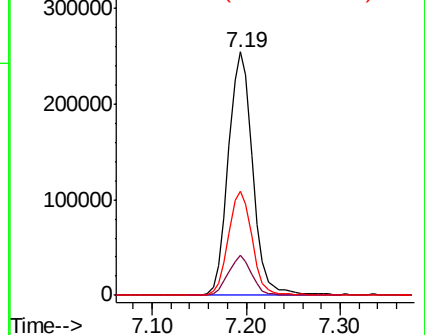
71 42.8 26.1 39.1#



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: 15.011 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

Tgt Ion: 70 Resp: 41254

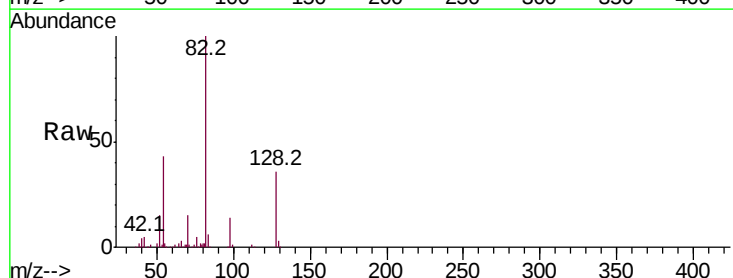
Ion Ratio Lower Upper

70 100

42 29.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

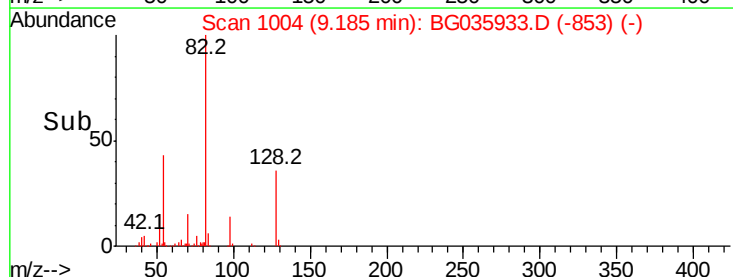
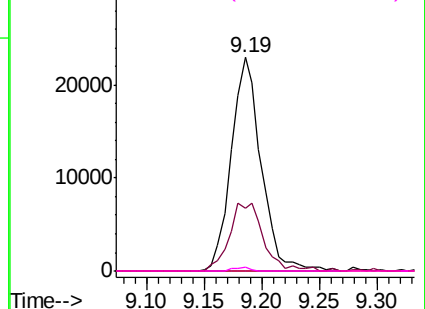


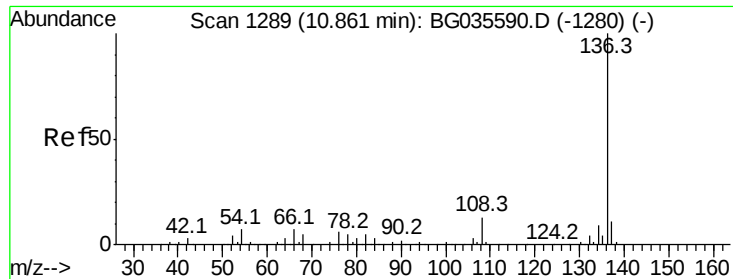
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

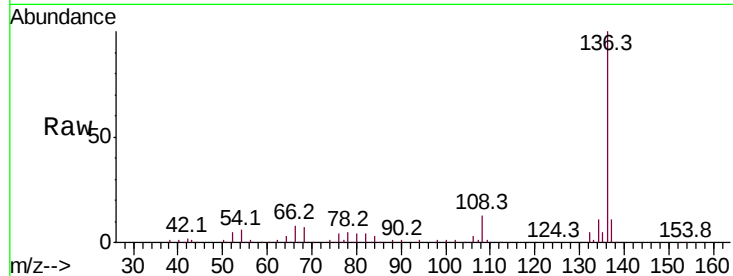




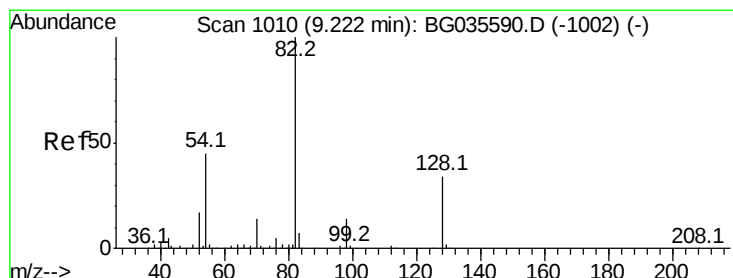
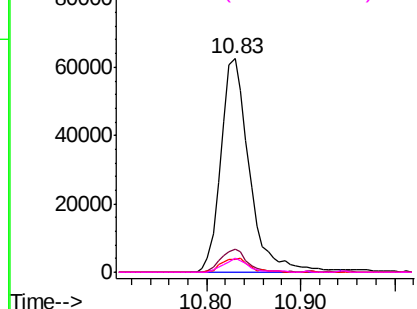
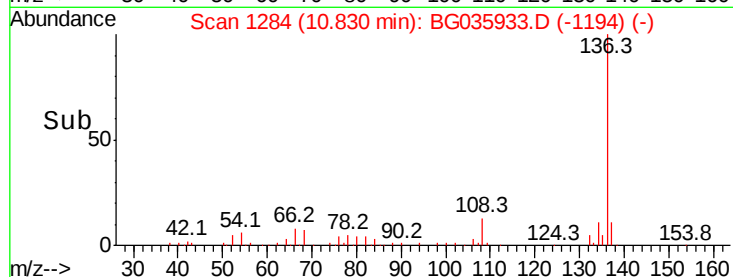
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	133078
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	5.8	10.3	15.5#
68	6.8	4.5	6.7#

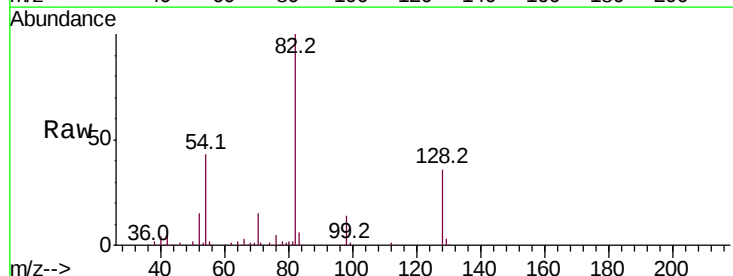


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

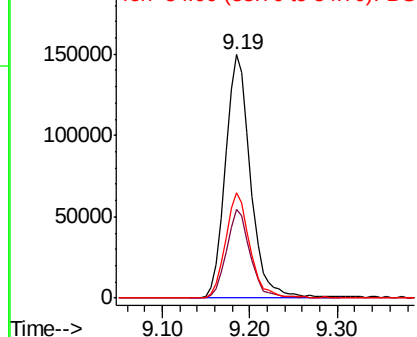
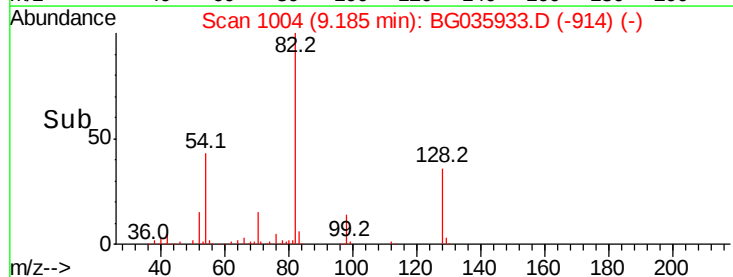


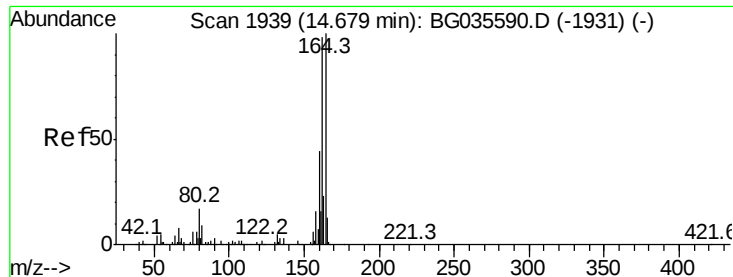
#23
Nitrobenzene-d5
Concen: 93.020 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Tgt Ion:	82	Resp:	296327
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.7	44.5
54	43.4	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: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

Instrument :

BNA_G

ClientSampleId :

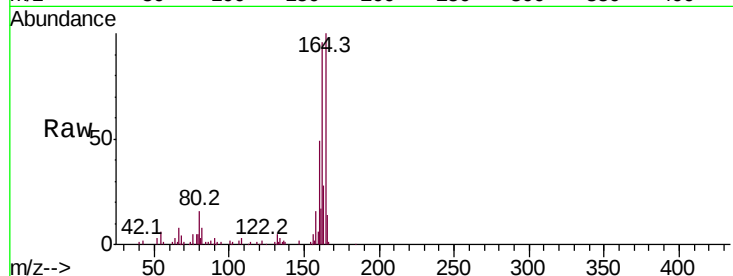
Tot Ion:164 Resp: 98459

Ion Ratio Lower Upper

164 100

162 96.5 78.8 118.2

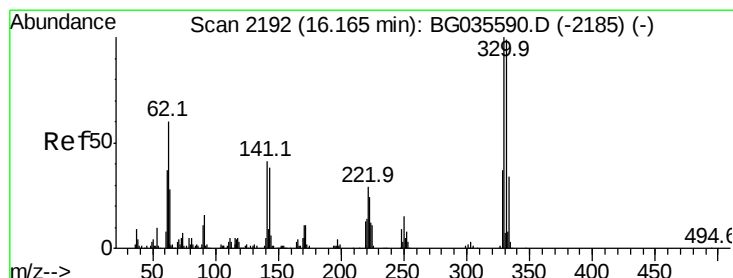
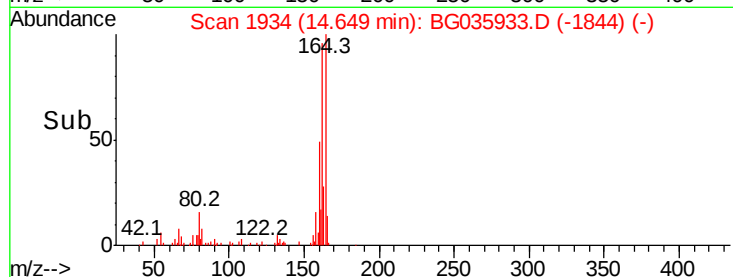
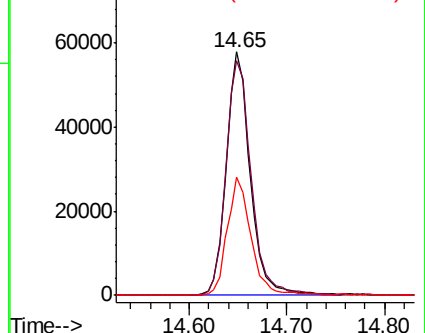
160 48.6 35.4 53.0



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: 154.482 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

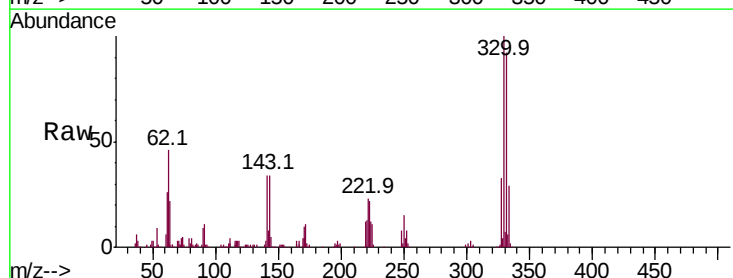
Tgt Ion:330 Resp: 200480

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

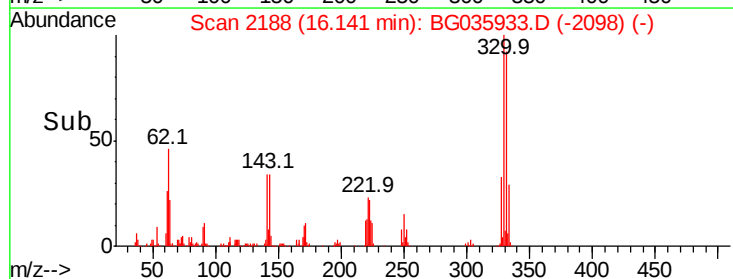
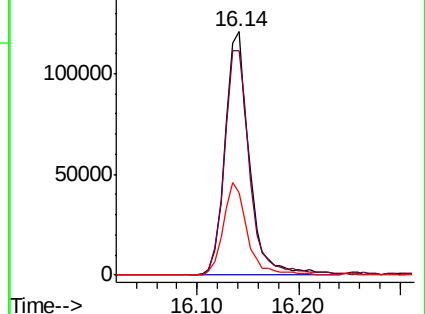
141 37.5 25.2 37.8

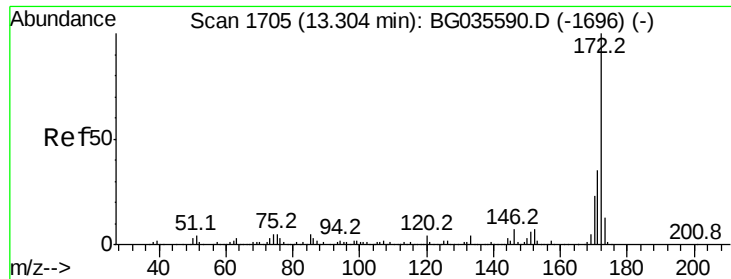


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

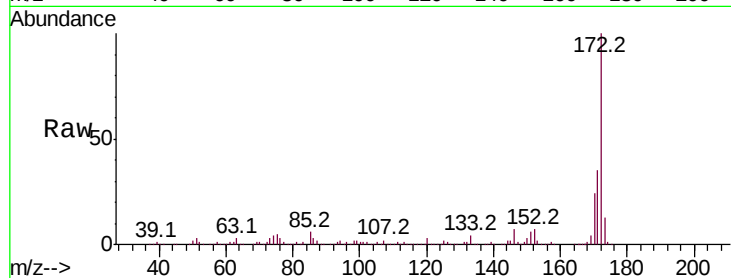




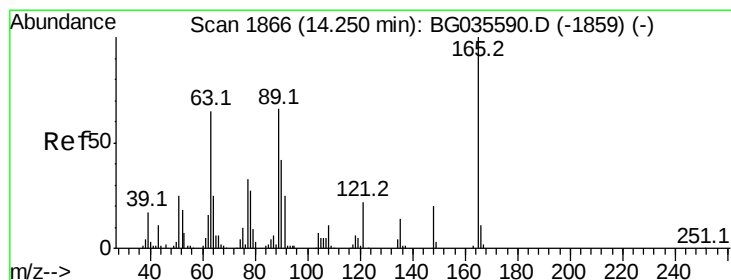
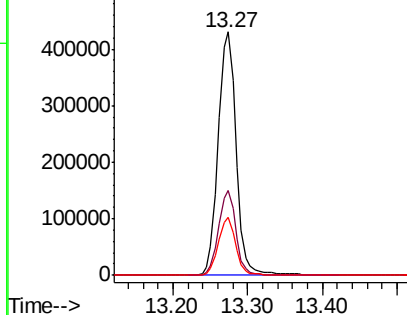
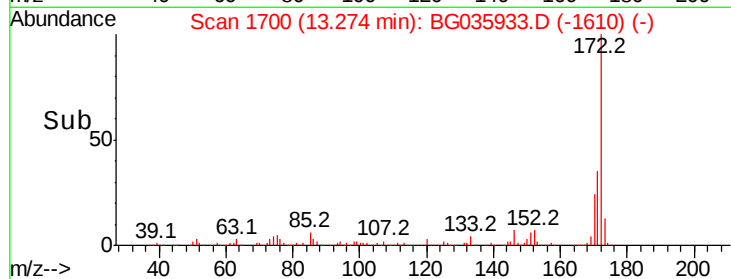
#44
 2-Fluorobiphenyl
 Concen: 97.965 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035933.D
 Acq: 27 Jul 2018 12:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.0	45.0
170	23.9	19.5	29.3

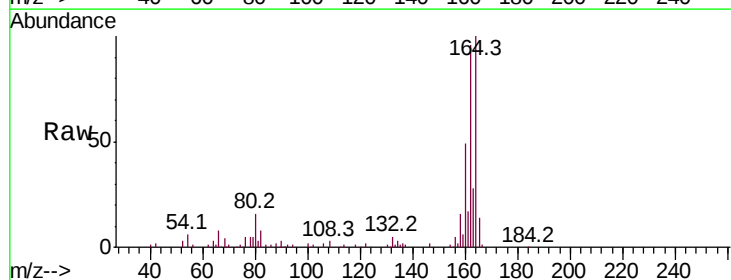


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

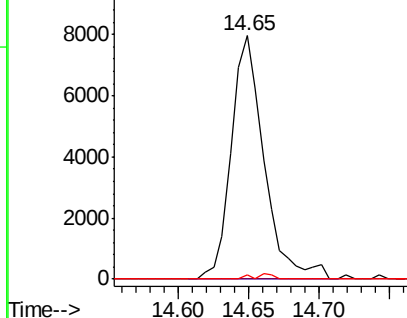
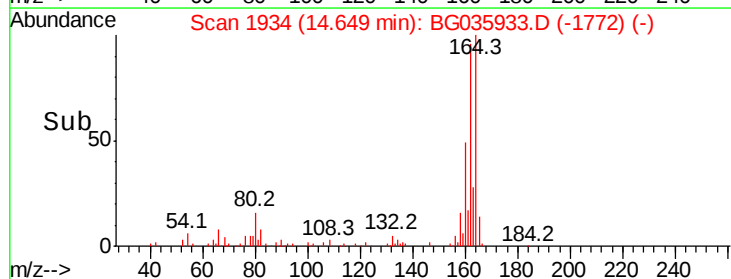


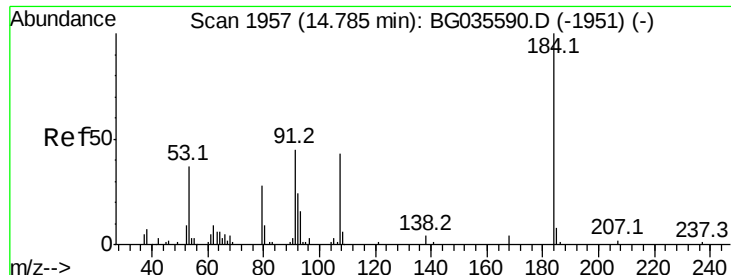
#50
 2,6-Dinitrotoluene
 Concen: 7.354 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035933.D
 Acq: 27 Jul 2018 12:11

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



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

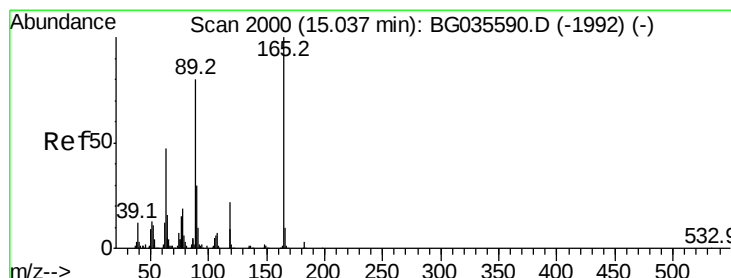
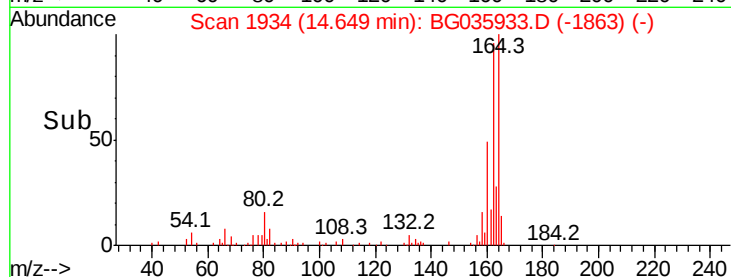
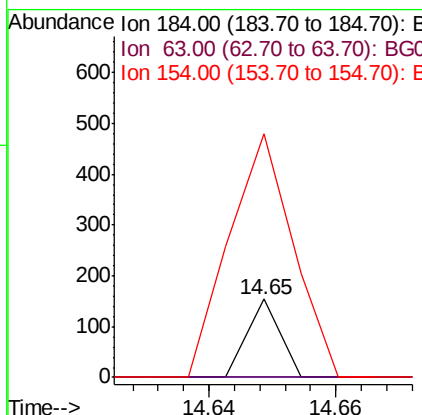
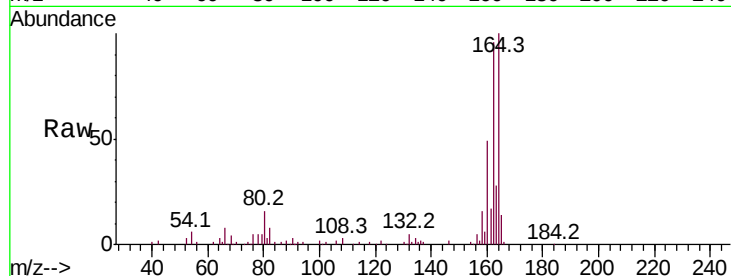




#53
2,4-Dinitrophenol
Concen: 6.637 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.11 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

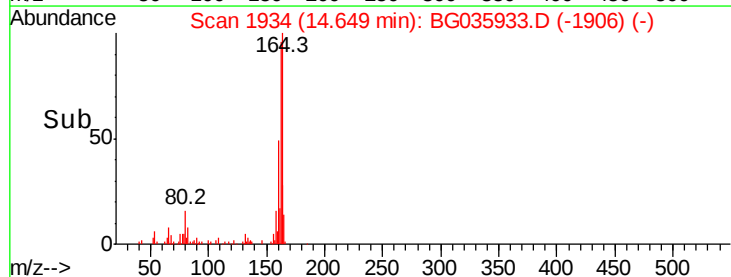
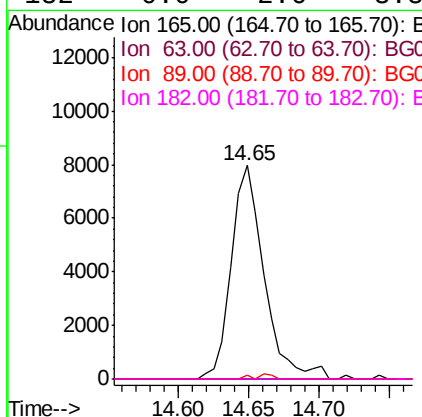
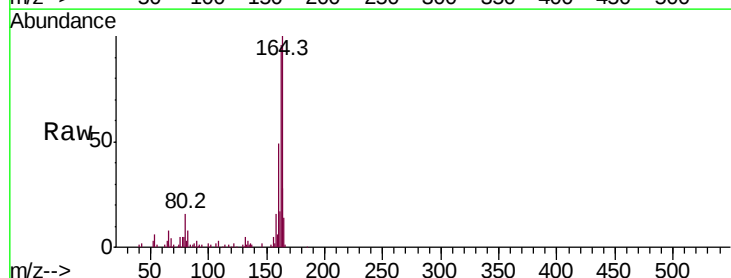
Instrument :
BNA_G
ClientSampleId :

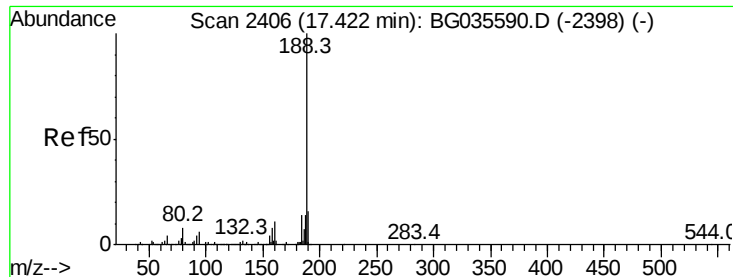
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 311.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.126 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Tgt Ion:165 Resp: 12919
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#

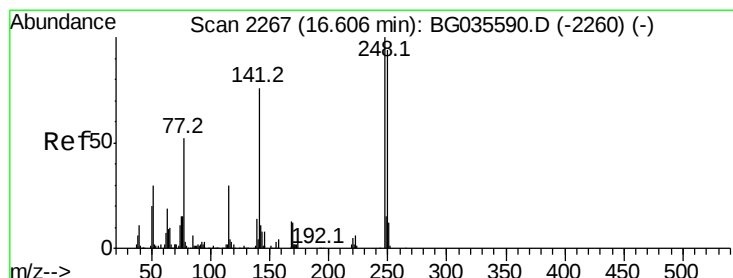
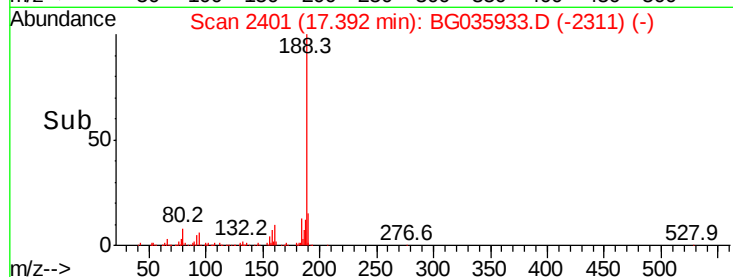
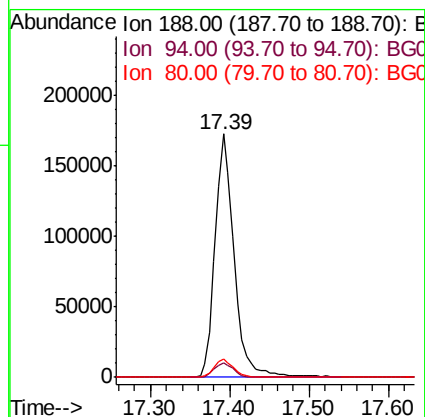
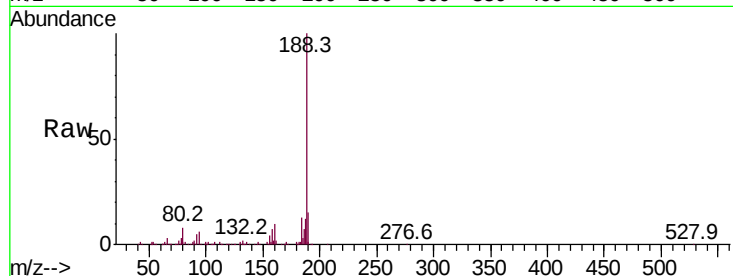




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

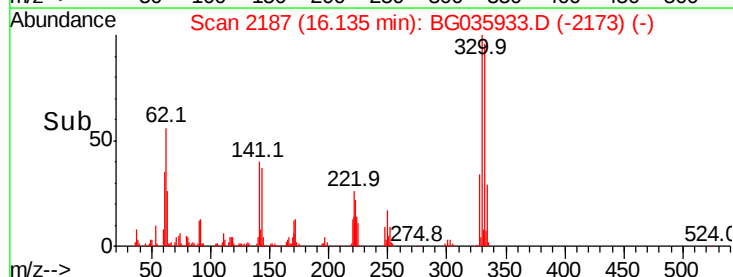
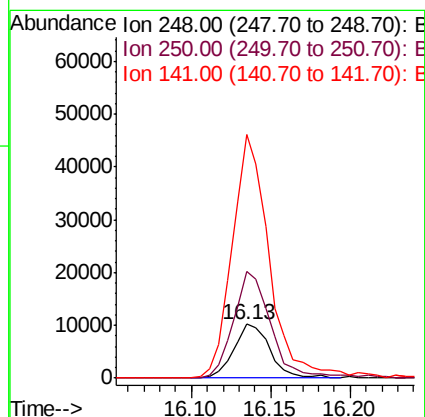
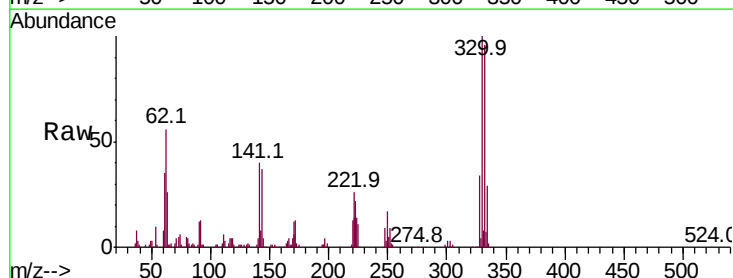
Instrument :
BNA_G
ClientSampled :

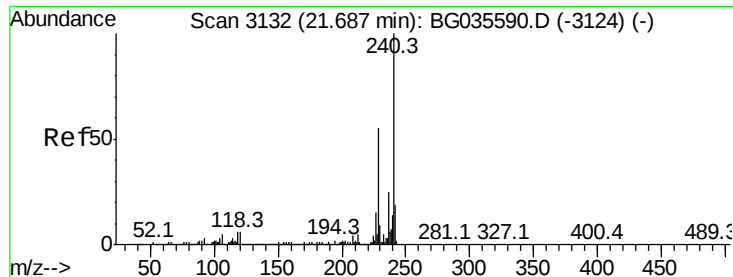
Tot Ion:188 Resp: 288632
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 7.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.789 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035933.D
Acq: 27 Jul 2018 12:11

Tgt Ion:248 Resp: 16037
Ion Ratio Lower Upper
248 100
250 197.9 77.1 115.7#
141 454.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

Instrument :

BNA_G

ClientSampleId :

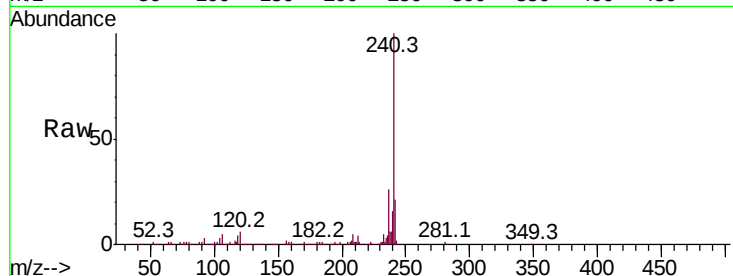
Tot Ion:240 Resp: 328257

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

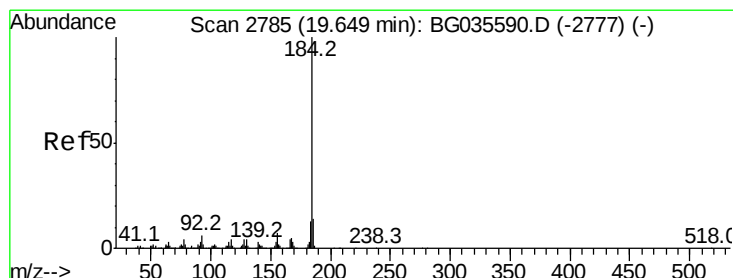
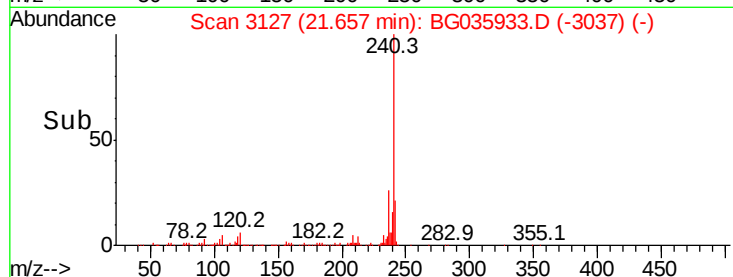
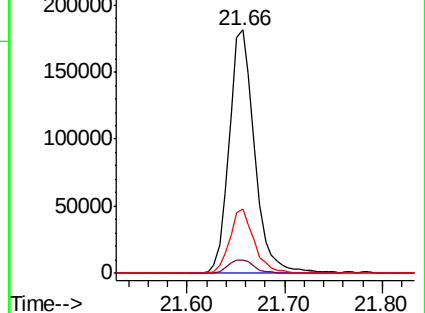
236 26.3 20.9 31.3



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: 3.011 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035933.D

Acq: 27 Jul 2018 12:11

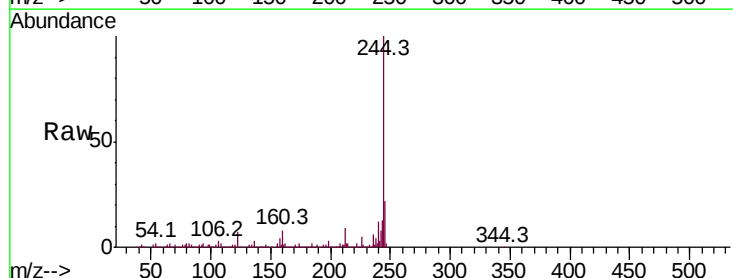
Tgt Ion:184 Resp: 25989

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

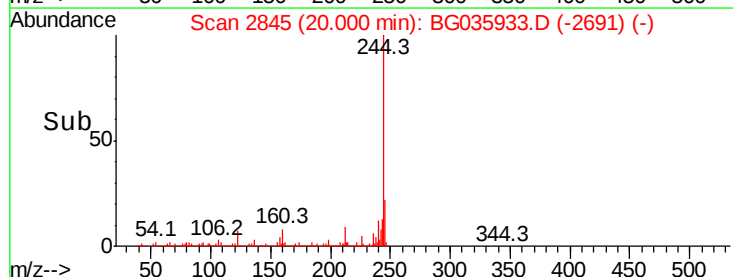
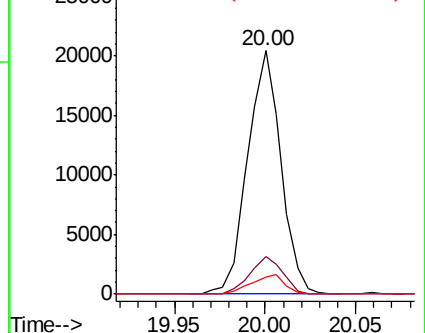
183 6.9 10.6 16.0#

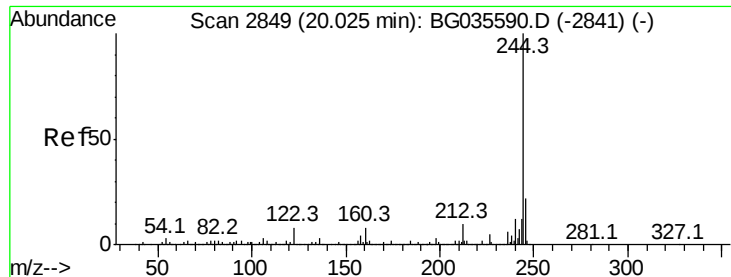


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

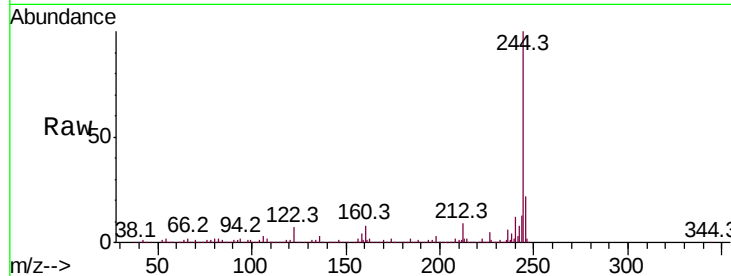




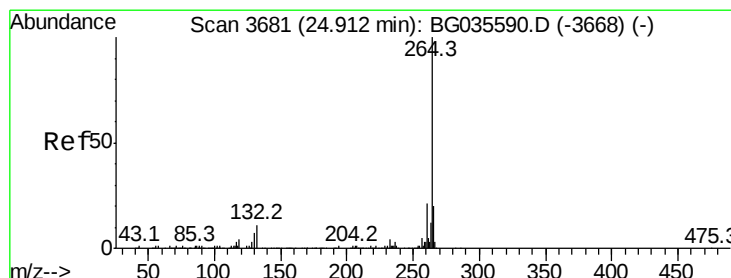
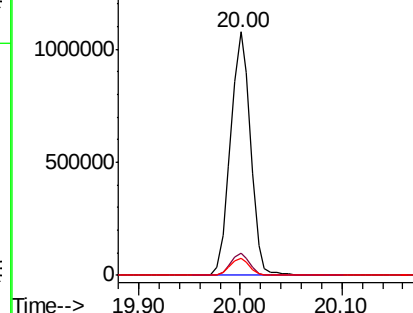
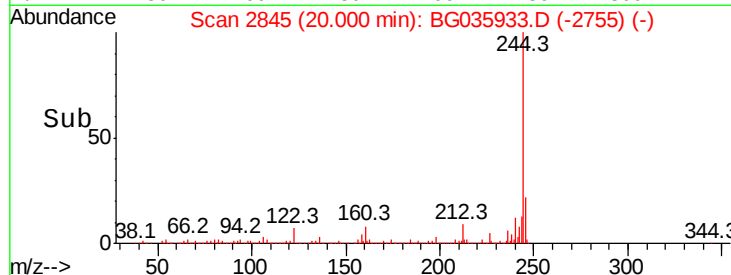
#78
 Terphenyl-d14
 Concen: 99.765 ng
 RT: 20.00 min Scan# 2845
 Delta R.T. -0.00 min
 Lab File: BG035933.D
 Acq: 27 Jul 2018 12:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1485660
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 7.1 7.0 10.4

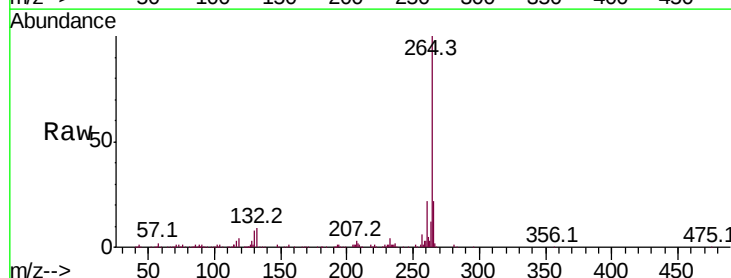


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3671
 Delta R.T. -0.01 min
 Lab File: BG035933.D
 Acq: 27 Jul 2018 12:11

Tgt Ion:264 Resp: 308944
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.4 26.0
 265 22.3 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

