

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035990.D
 Acq On : 31 Jul 2018 1:24
 Operator : JU/SJ
 Sample : J4219-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 05:23:12 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 01:42:28 2018
 Response via : Initial Calibration

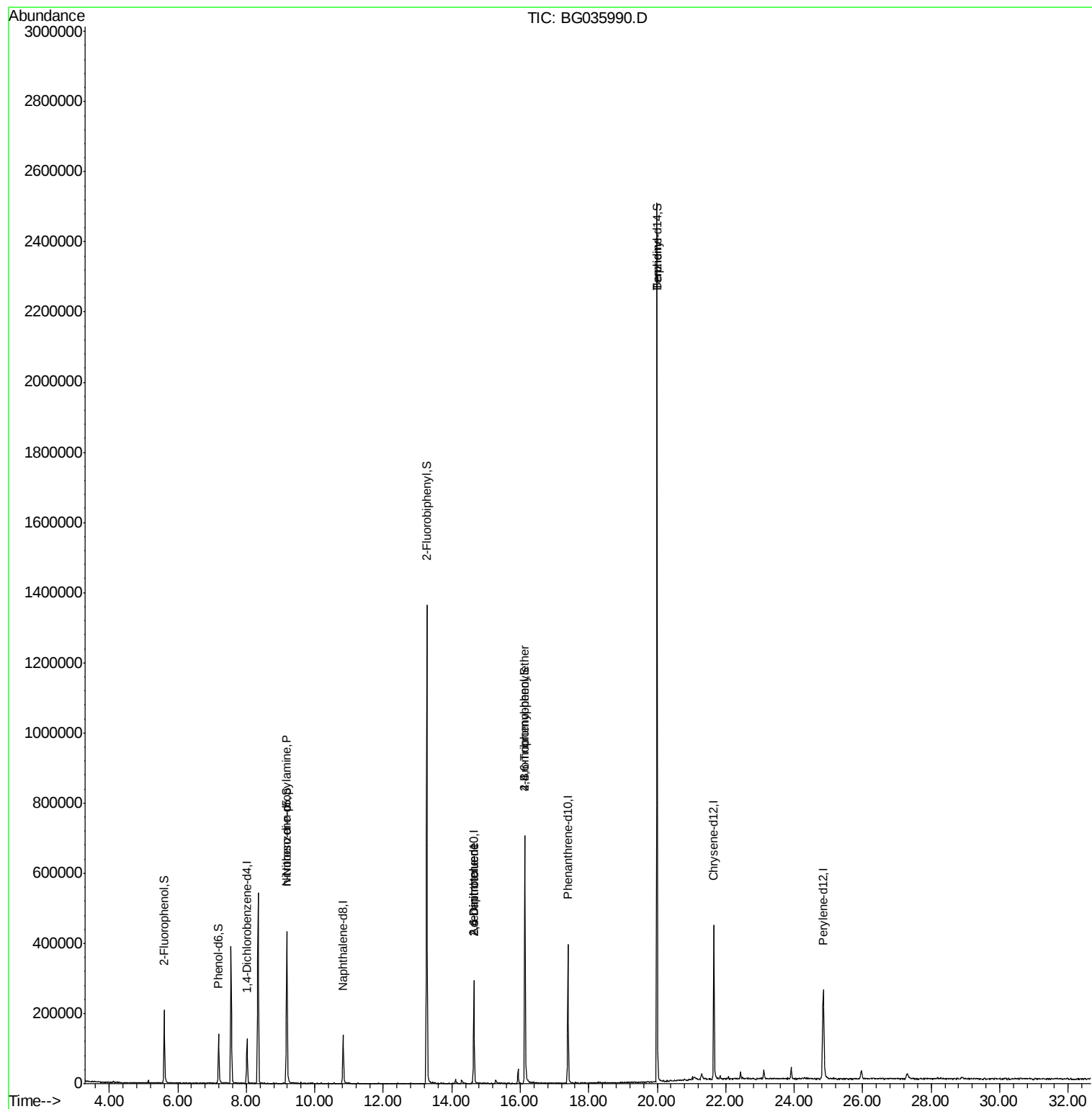
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36745	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	134086	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	104962	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	290624	20.00	ng	0.00
75) Chrysene-d12	21.65	240	294558	20.00	ng	0.00
86) Perylene-d12	24.85	264	274605	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	100641	45.47	ng	0.00
7) Phenol-d6	7.19	99	100243	30.36	ng	0.00
23) Nitrobenzene-d5	9.19	82	305931	95.31	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	143919	104.03	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	775017	98.92	ng	0.00
78) Terphenyl-d14	19.99	244	1232634	92.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	42140	15.155	ng	# 64
50) 2,6-Dinitrotoluene	14.65	165	14350	7.663	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14350	5.341	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	11312	3.355	ng	# 1
76) Benzidine	19.99	184	21426	2.767	ng	# 85

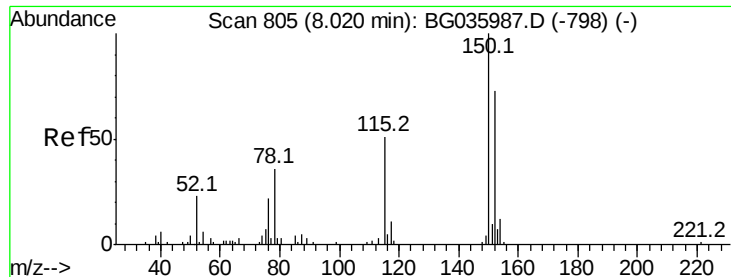
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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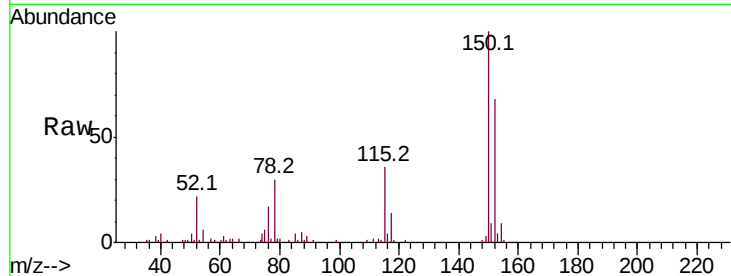


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.5	126.6	189.8
115	53.1	53.0	79.4

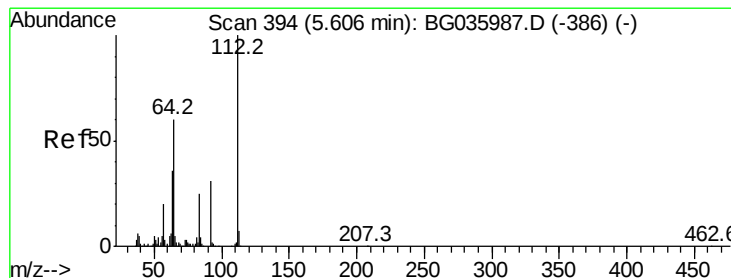
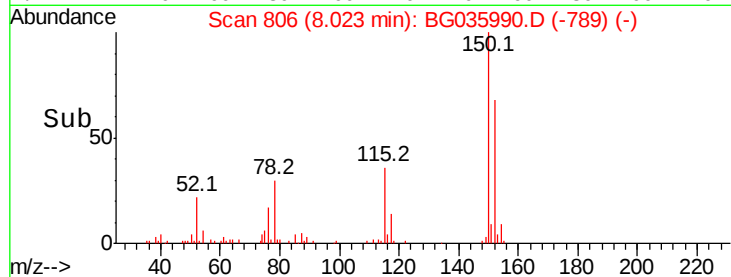
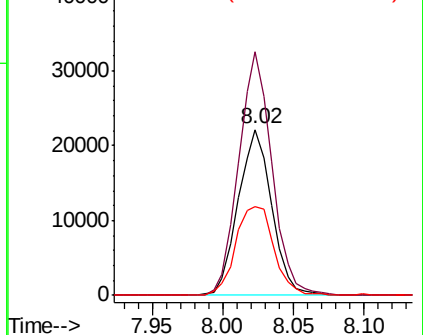


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

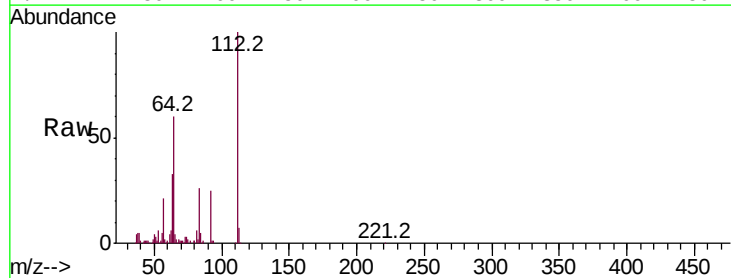
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.472 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	56.3	84.5
63	33.2	30.1	45.1

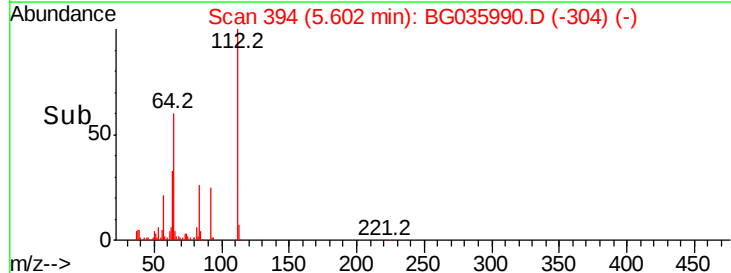
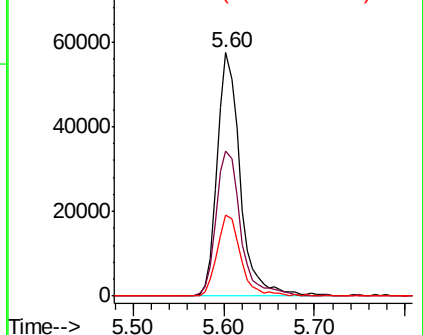


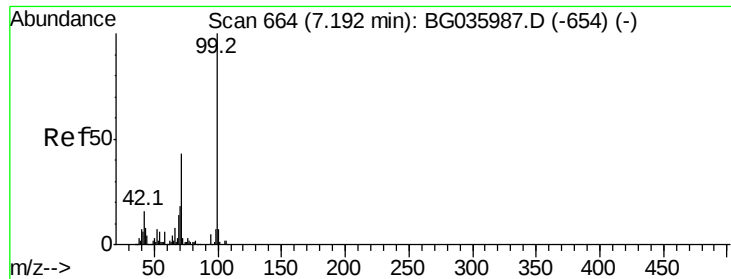
Abundance

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: 30.357 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035990.D

Acq: 31 Jul 2018 1:24

Instrument :

BNA_G

ClientSampleId :

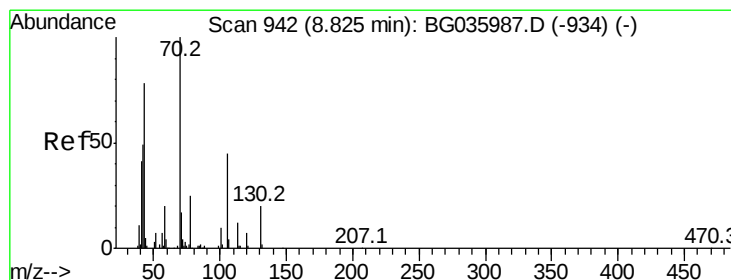
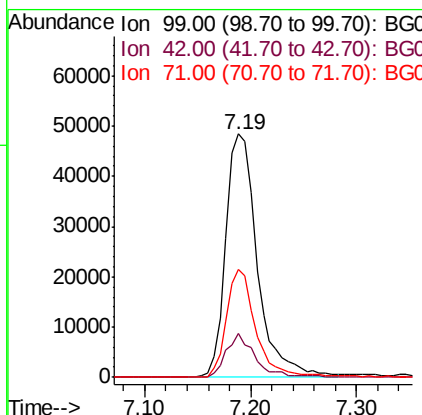
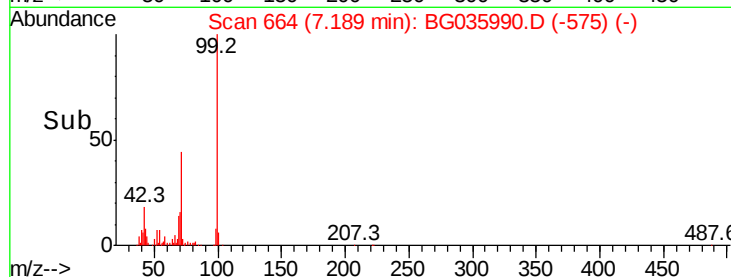
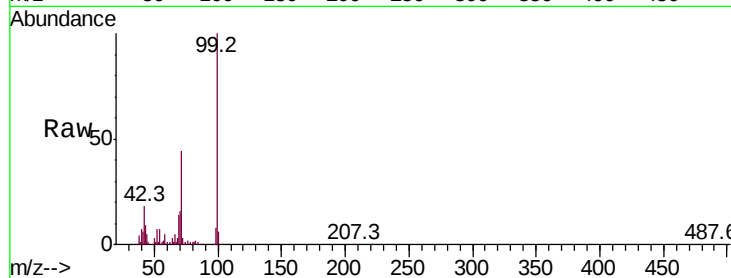
Tot Ion: 99 Resp: 100243

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

71 44.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.155 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035990.D

Acq: 31 Jul 2018 1:24

Tgt Ion: 70 Resp: 42140

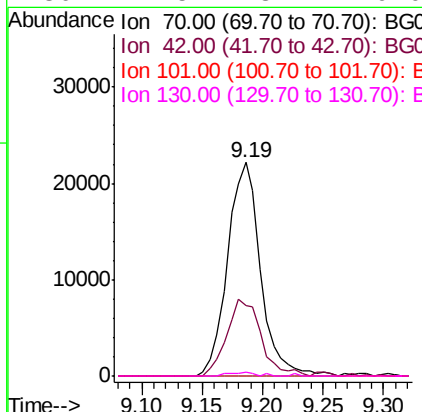
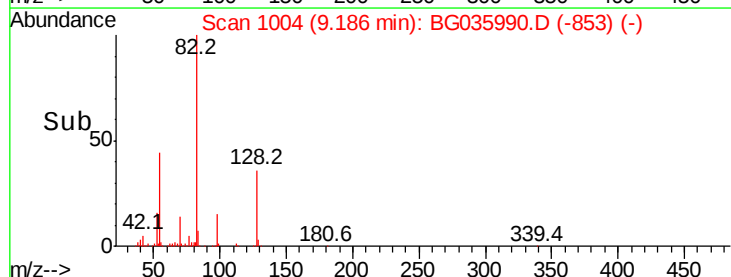
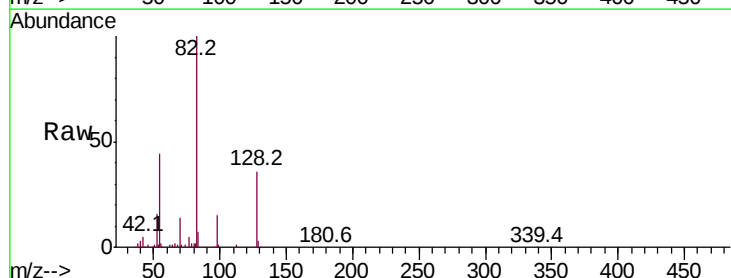
Ion Ratio Lower Upper

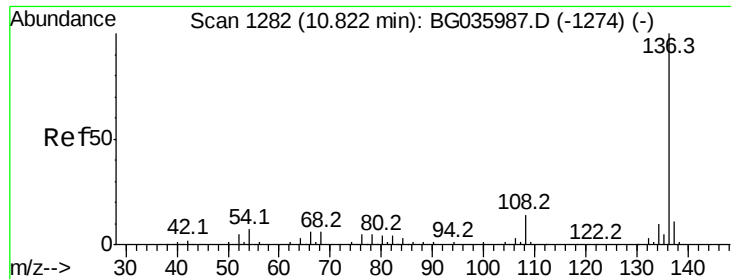
70 100

42 32.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

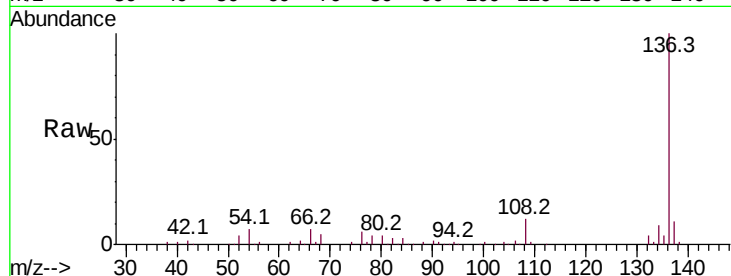




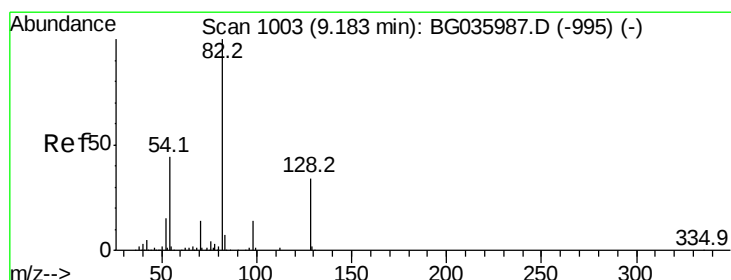
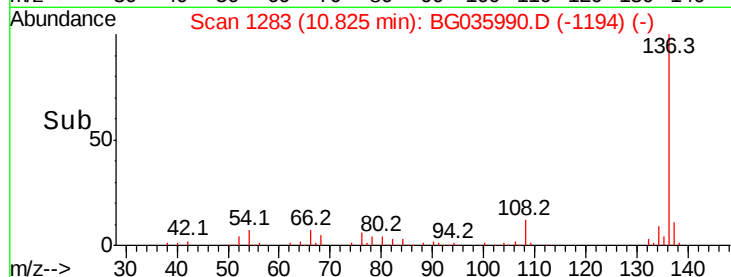
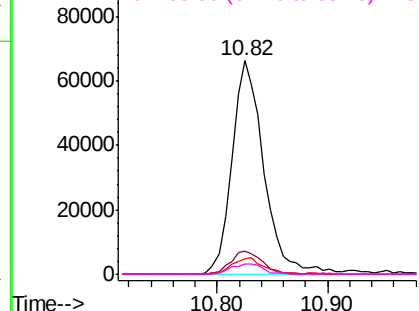
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	134086
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.2	10.3	15.5
68	4.8	4.5	6.7

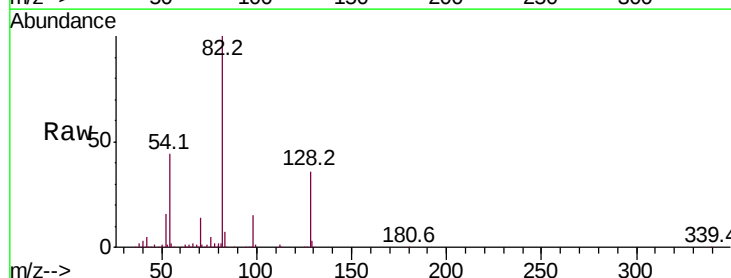


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

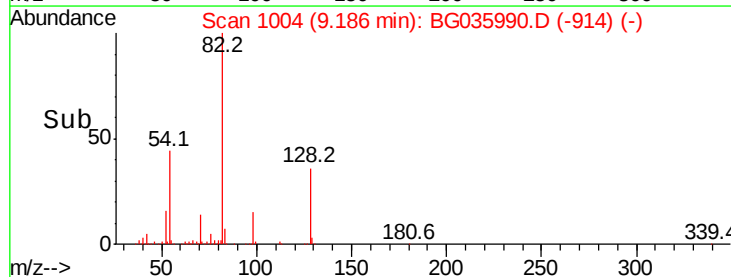
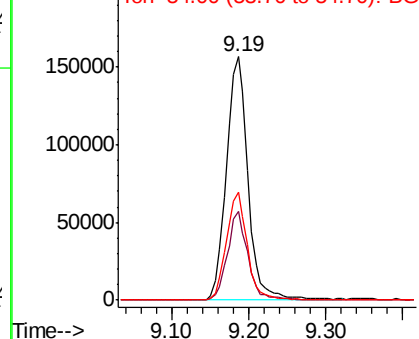


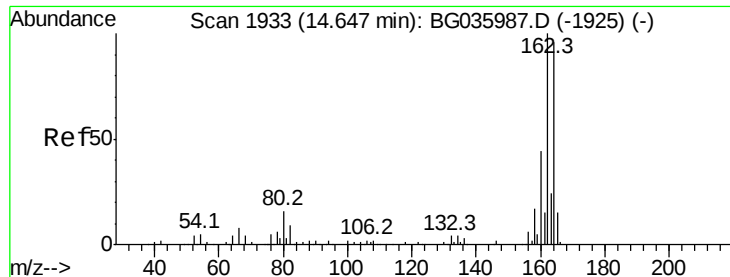
#23
Nitrobenzene-d5
Concen: 95.313 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Tgt Ion:	82	Resp:	305931
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	44.4	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: BG035990.D

Acq: 31 Jul 2018 1:24

Instrument :

BNA_G

ClientSampleId :

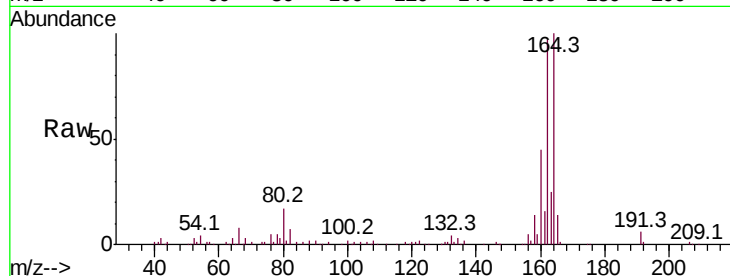
Tot Ion:164 Resp: 104962

Ion	Ratio	Lower	Upper
164	100		
162	97.3	78.8	118.2
160	44.8	35.4	53.0

164 100

162 97.3 78.8 118.2

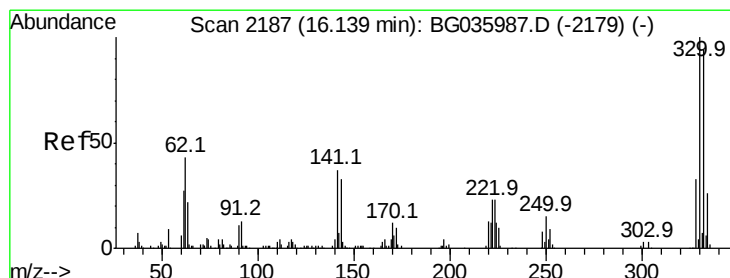
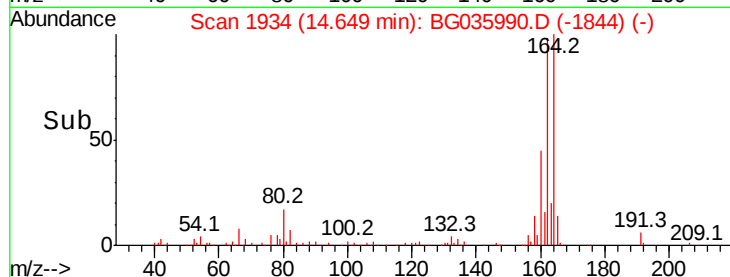
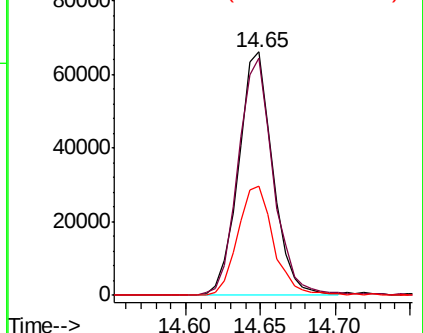
160 44.8 35.4 53.0



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: 104.028 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035990.D

Acq: 31 Jul 2018 1:24

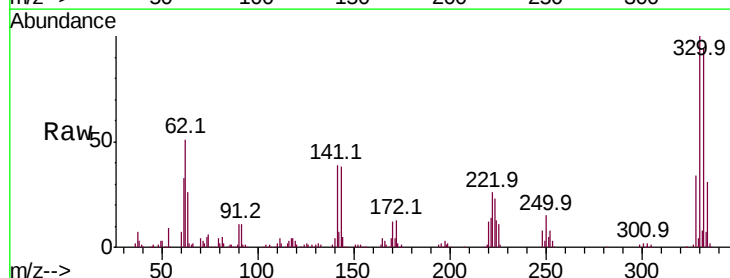
Tgt Ion:330 Resp: 143919

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	37.3	25.2	37.8

330 100

332 93.8 77.0 115.6

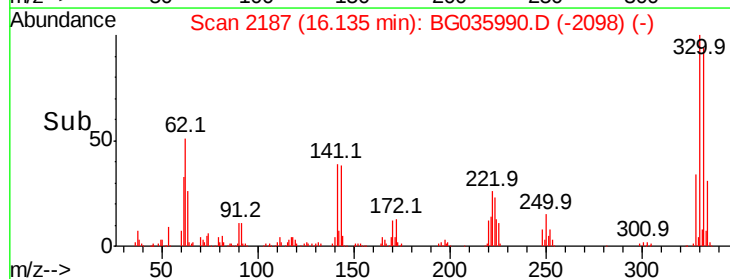
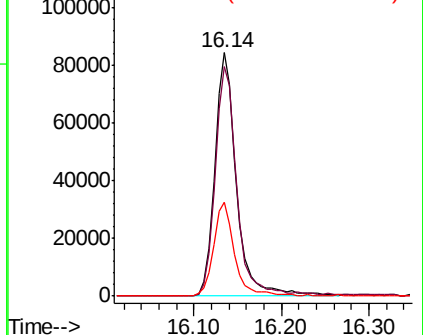
141 37.3 25.2 37.8

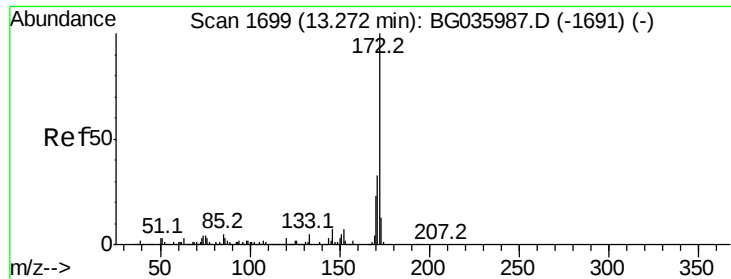


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

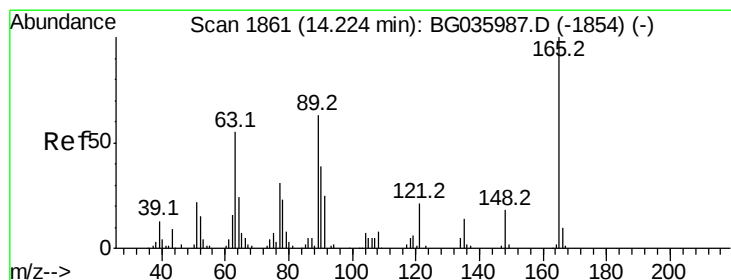
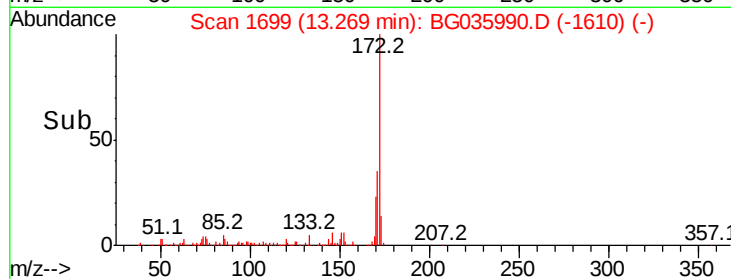
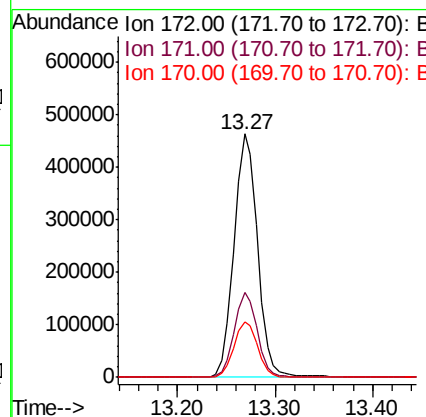
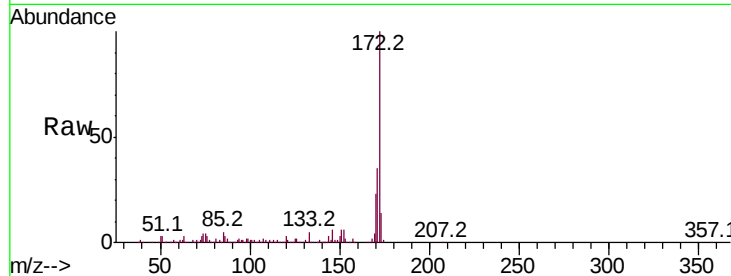




#44
2-Fluorobiphenyl
Concen: 98.924 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

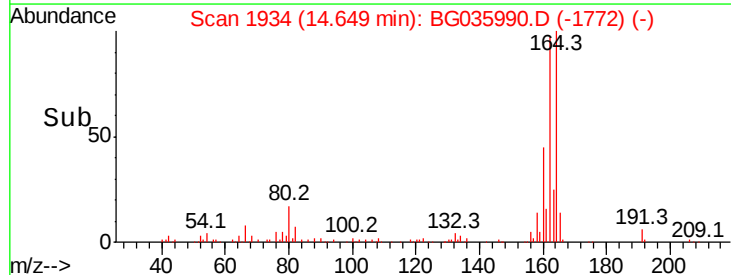
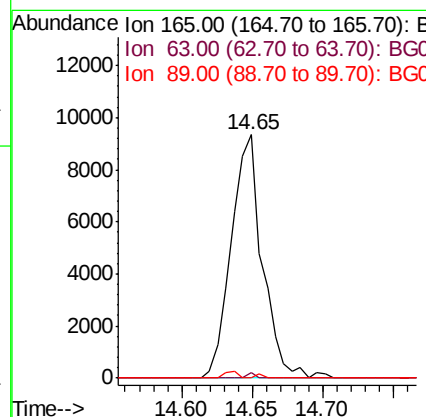
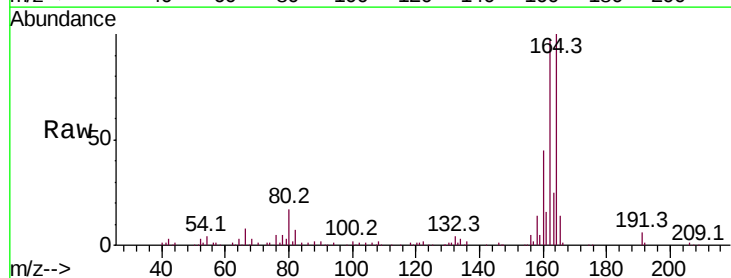
Instrument :
BNA_G
ClientSampleId :

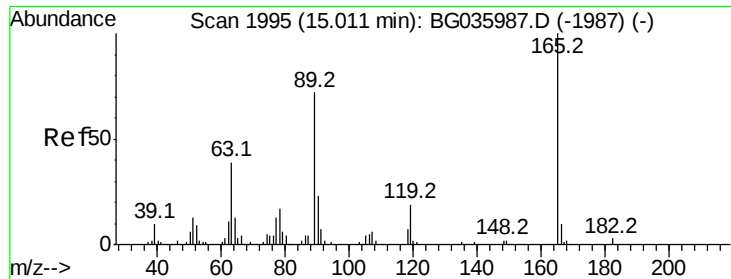
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.8	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.663 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#

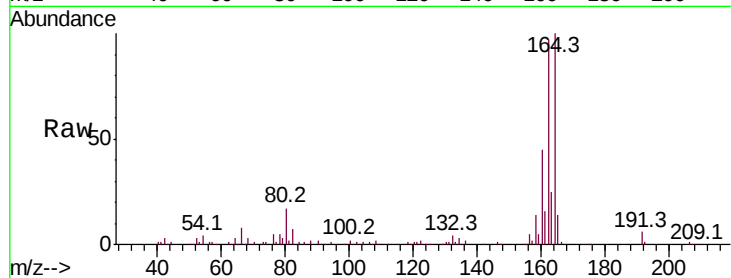




#56
 2,4-Dinitrotoluene
 Concen: 5.341 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.37 min
 Lab File: BG035990.D
 Acq: 31 Jul 2018 1:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

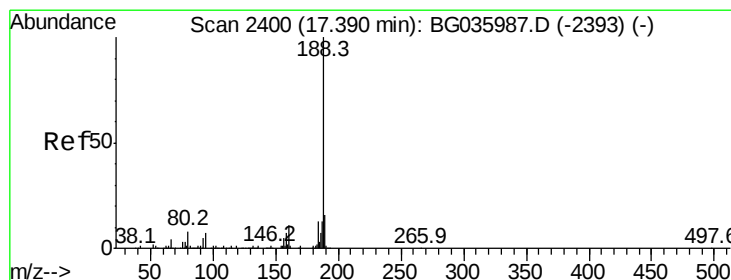
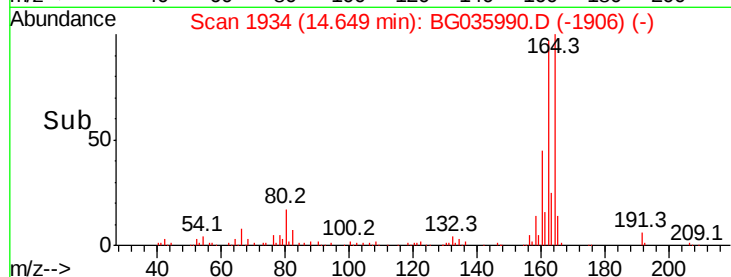
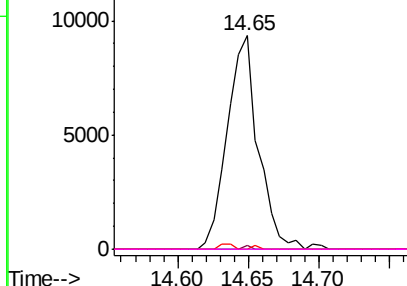


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

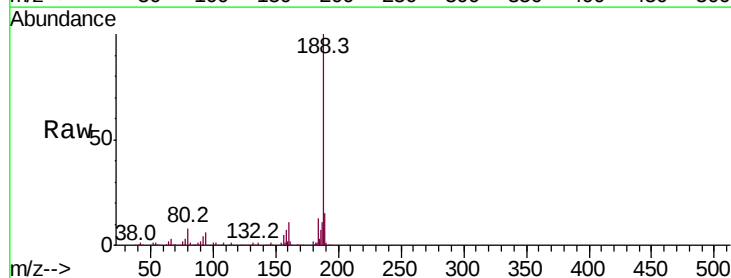
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.01 min
 Lab File: BG035990.D
 Acq: 31 Jul 2018 1:24

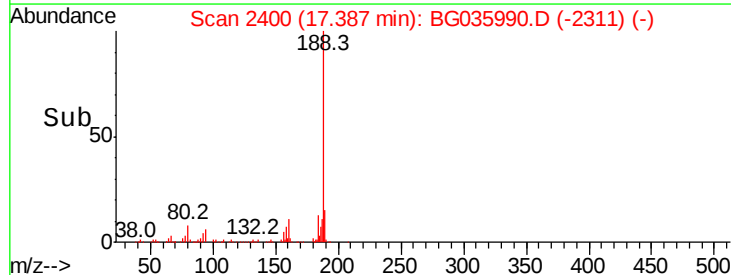
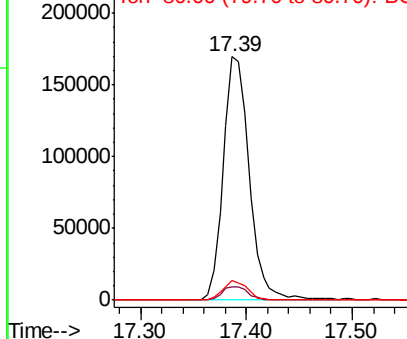
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	6.9	10.3#
80	8.1	7.7	11.5

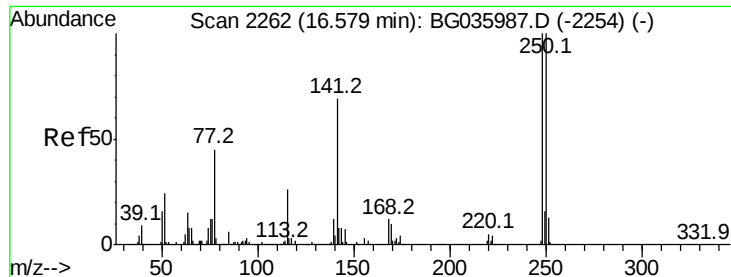


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

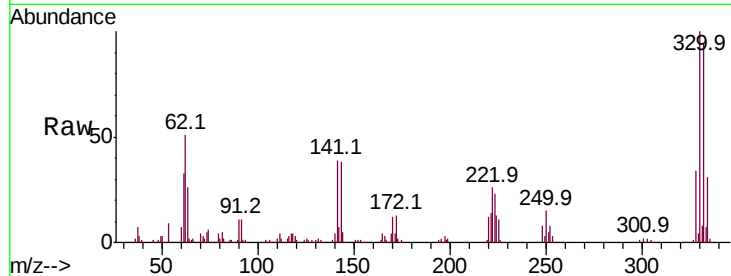




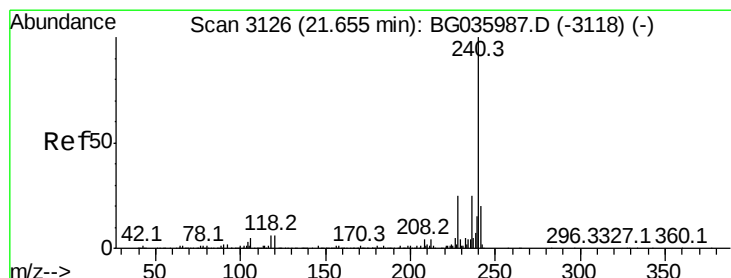
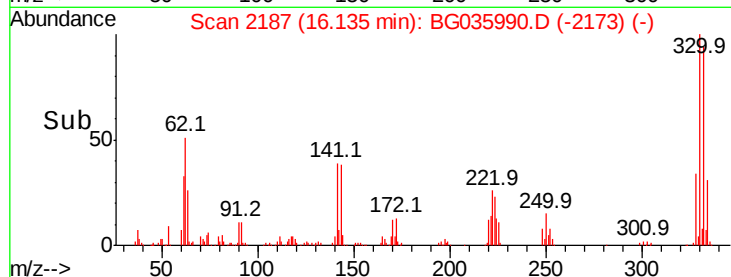
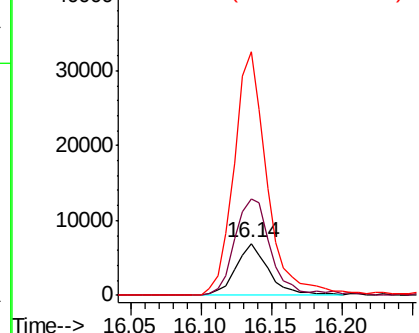
#66
4-Bromophenyl-phenylether
Concen: 3.355 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11312
Ion Ratio Lower Upper
248 100
250 186.0 77.1 115.7#
141 469.8 50.8 76.2#

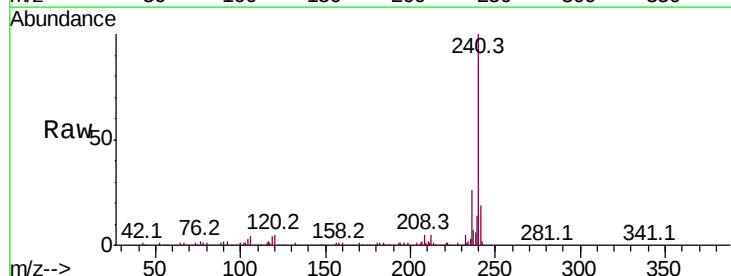


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

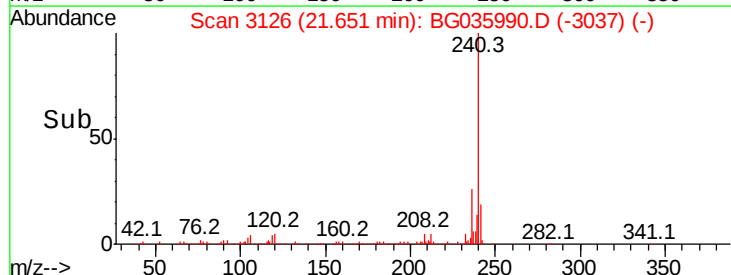
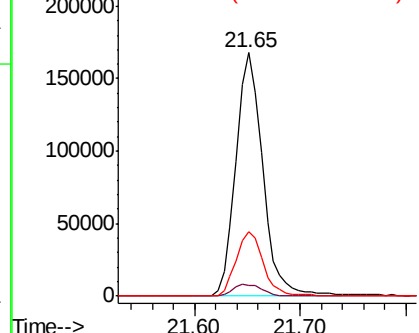


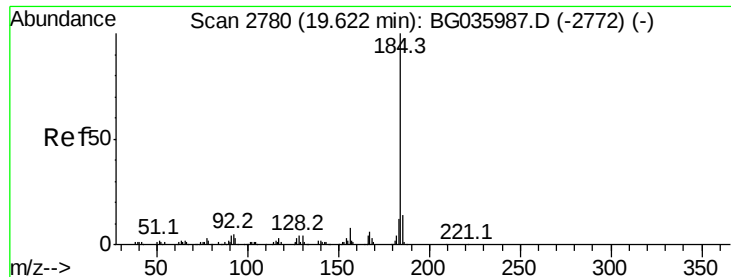
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Tgt Ion:240 Resp: 294558
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 26.4 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

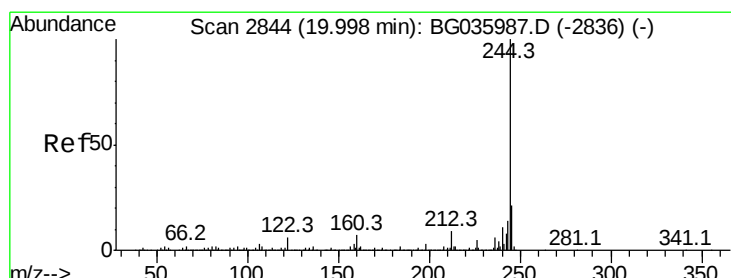
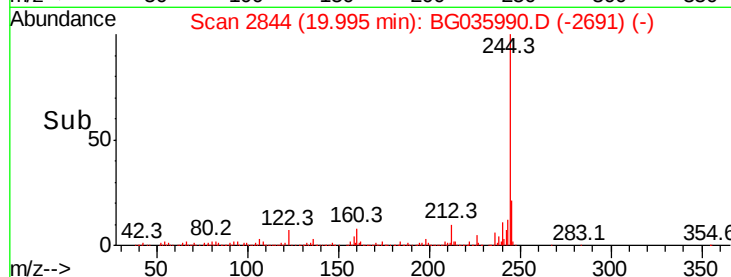
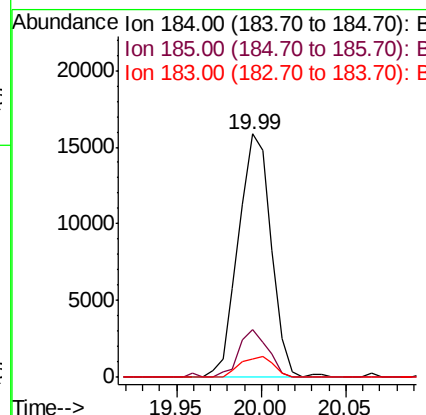
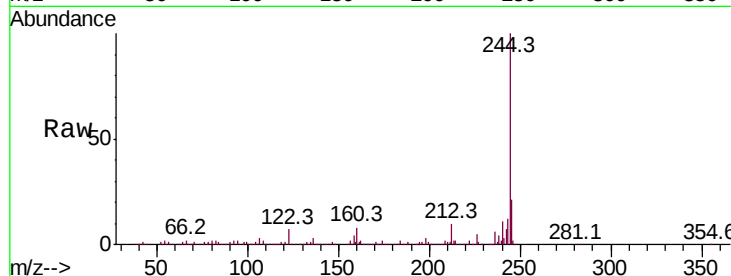




#76
Benzidine
Concen: 2.767 ng
RT: 19.99 min Scan# 2844
Delta R.T. 0.37 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

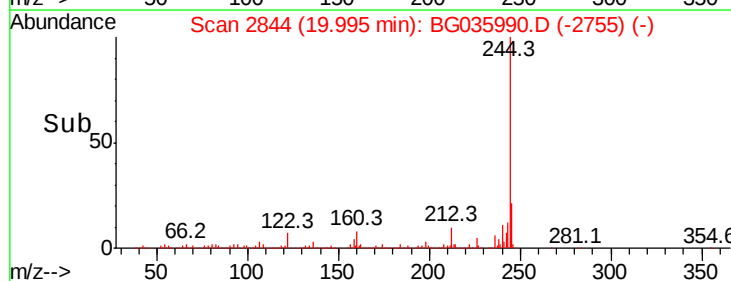
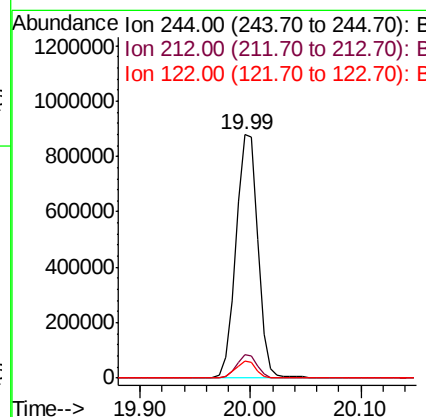
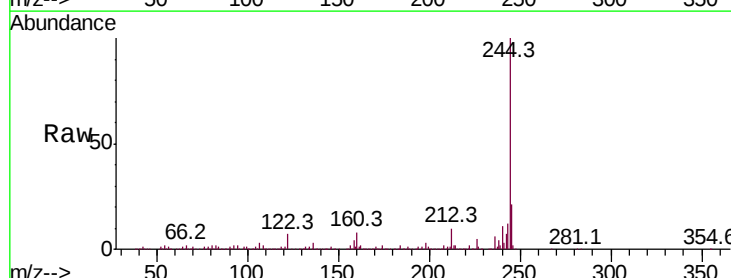
Instrument :
BNA_G
ClientSampleId :

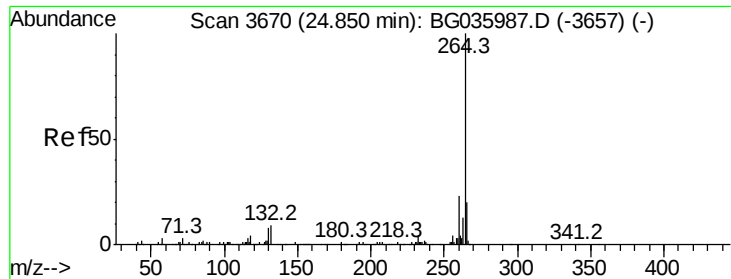
Tot Ion:184 Resp: 21426
Ion Ratio Lower Upper
184 100
185 19.8 11.1 16.7#
183 7.4 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.243 ng
RT: 19.99 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Tgt Ion:244 Resp: 1232634
Ion Ratio Lower Upper
244 100
212 9.5 5.8 8.8#
122 7.2 7.0 10.4

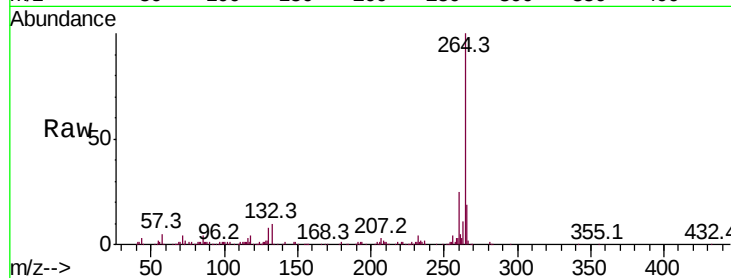




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG035990.D
Acq: 31 Jul 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	17.4	26.0
265	19.4	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

