

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035995.D
 Acq On : 31 Jul 2018 4:39
 Operator : JU/SJ
 Sample : J4219-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 05:23:56 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

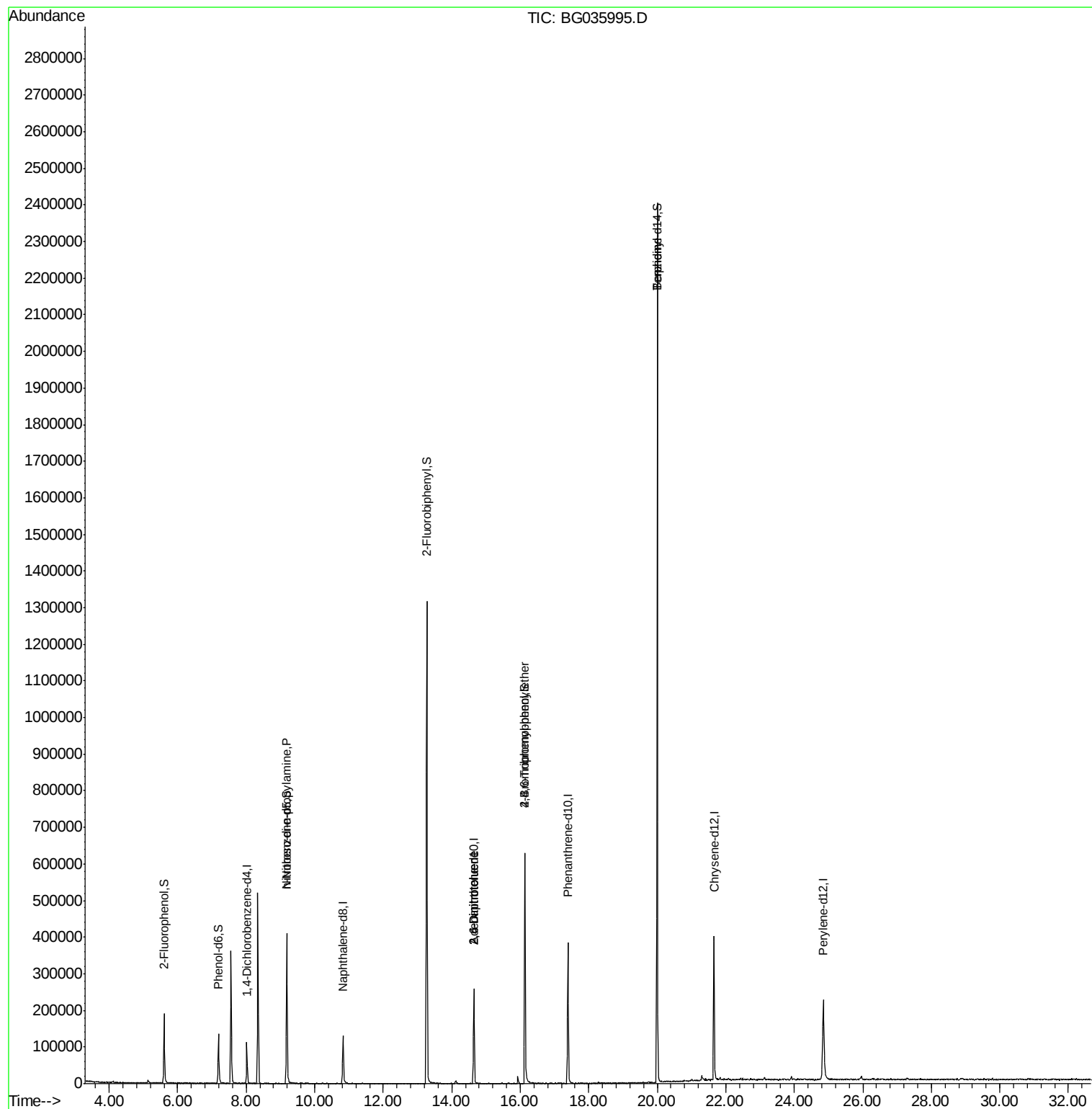
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33471	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	123698	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	93542	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	270545	20.00	ng	0.00
75) Chrysene-d12	21.65	240	272847	20.00	ng	0.00
86) Perylene-d12	24.85	264	254583	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	90106	44.69	ng	0.00
7) Phenol-d6	7.19	99	89980	29.91	ng	-0.01
23) Nitrobenzene-d5	9.18	82	290407	98.07	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	130282	105.67	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	722719	103.51	ng	0.00
78) Terphenyl-d14	20.00	244	1172583	94.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	38840	15.334	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	13105	7.852	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	13105	5.473	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	10066	3.207	ng	# 1
76) Benzidine	20.00	184	20393	2.843	ng	# 90

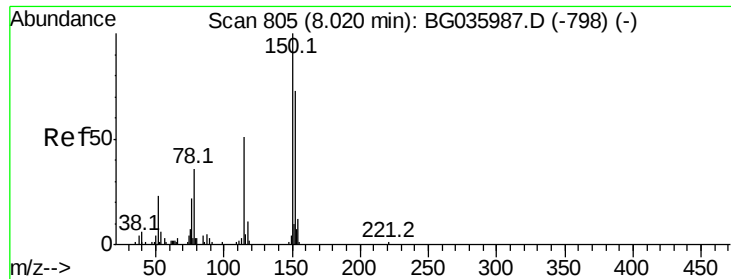
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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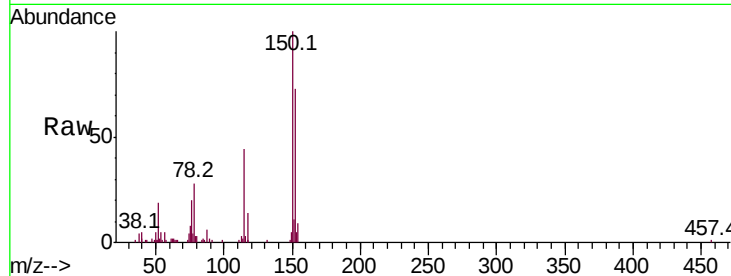


#1

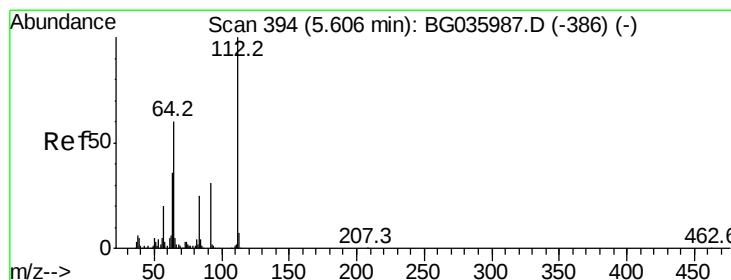
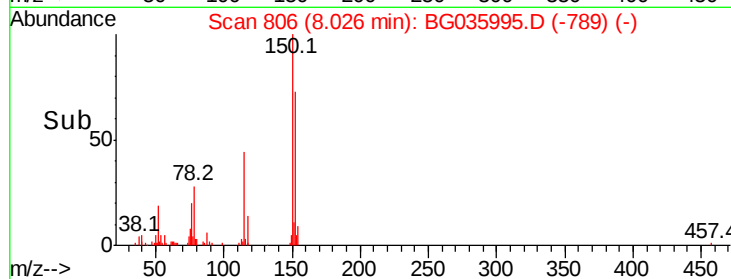
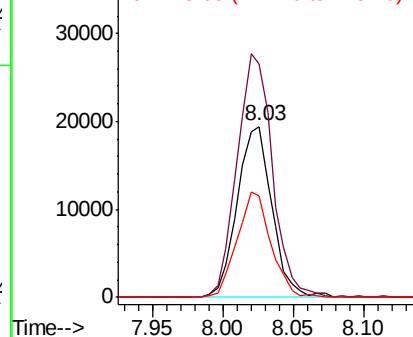
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33471
Ion Ratio Lower Upper
152 100
150 136.2 126.6 189.8
115 59.3 53.0 79.4



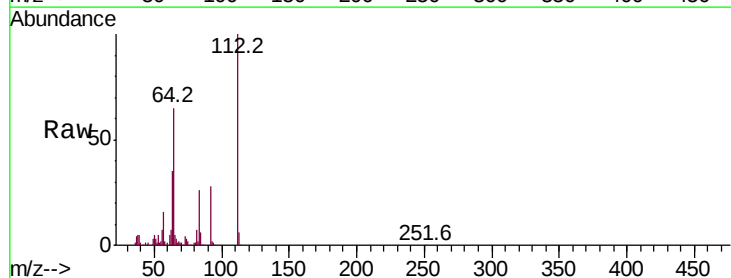
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



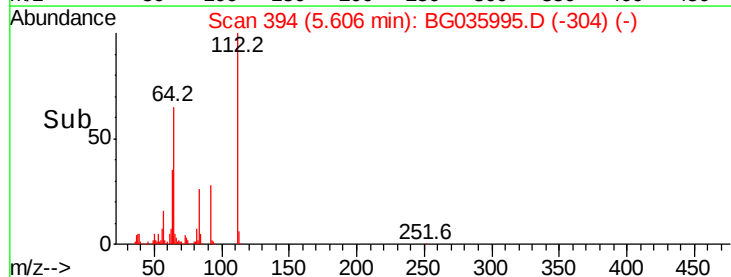
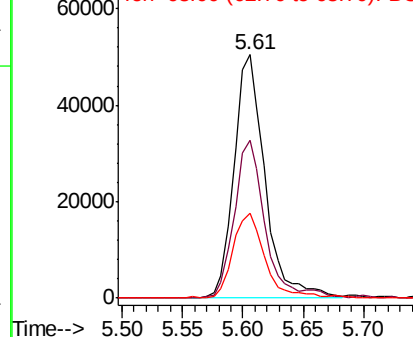
#5

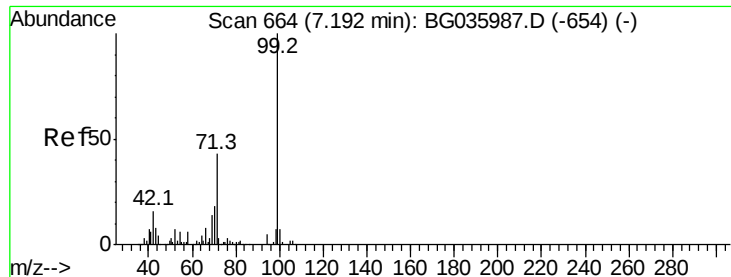
2-Fluorophenol
Concen: 44.695 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Tgt Ion:112 Resp: 90106
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 35.1 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: 29.914 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

Instrument :

BNA_G

ClientSampleId :

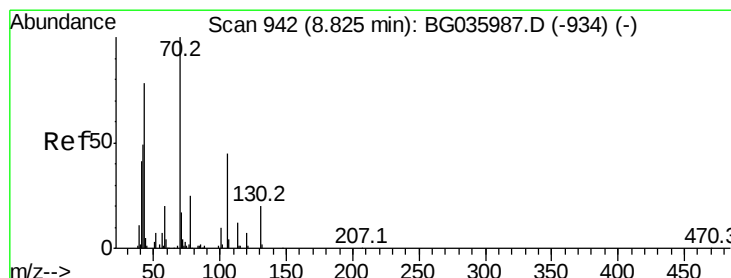
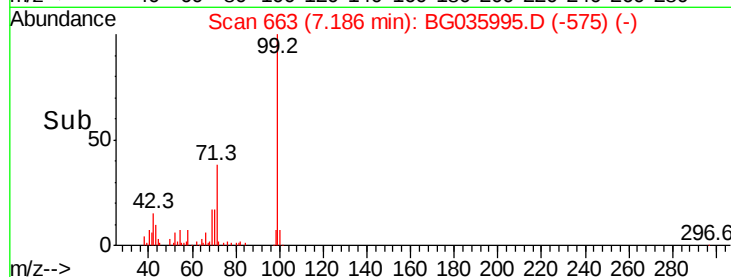
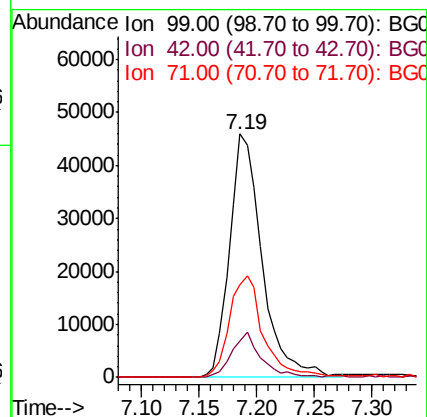
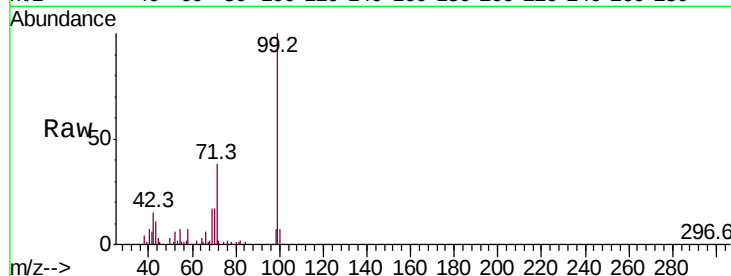
Tot Ion: 99 Resp: 89980

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

71 38.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.334 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

Tgt Ion: 70 Resp: 38840

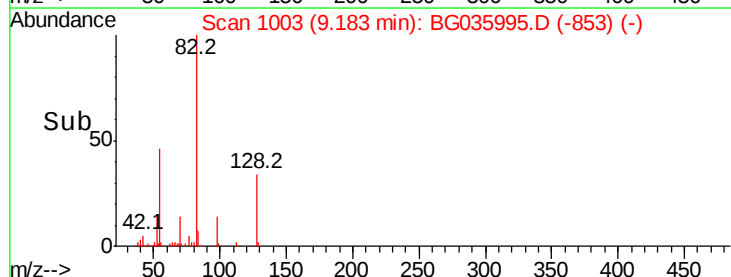
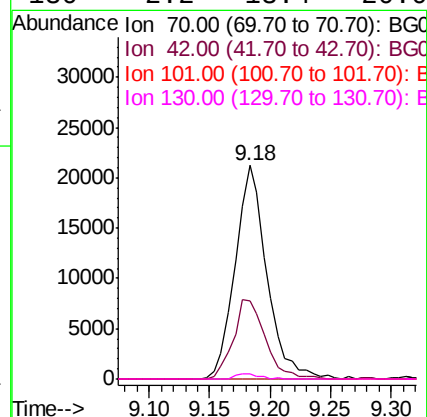
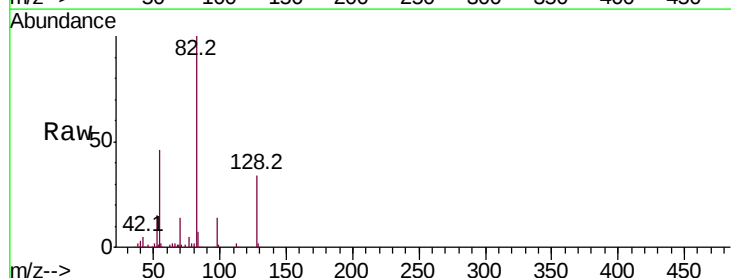
Ion Ratio Lower Upper

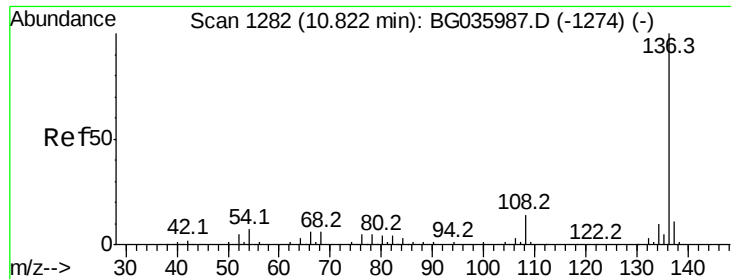
70 100

42 36.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

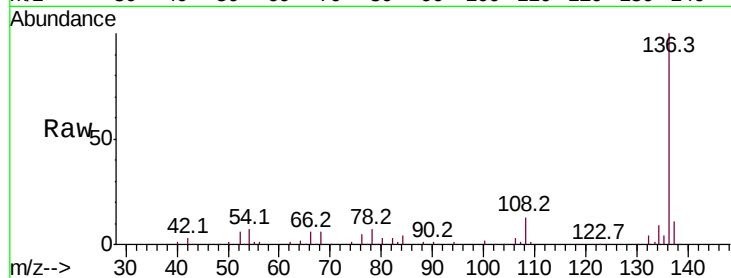




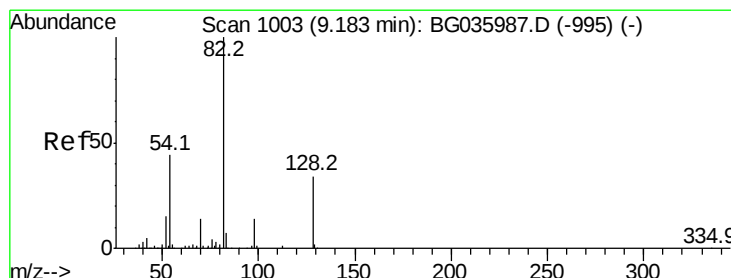
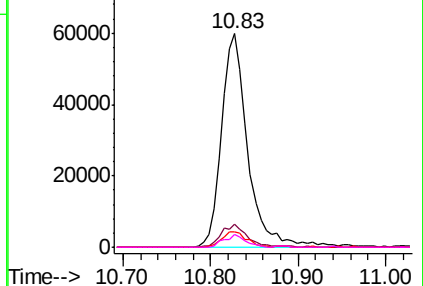
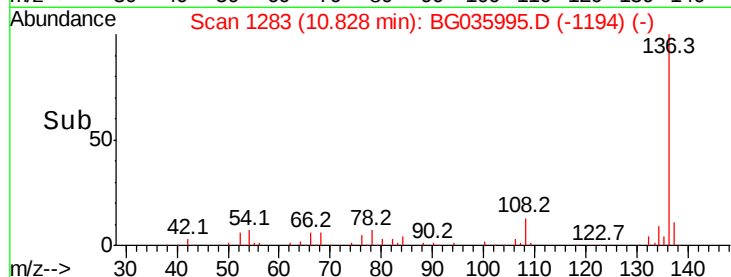
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	123698
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.2	10.3	15.5
68	5.9	4.5	6.7

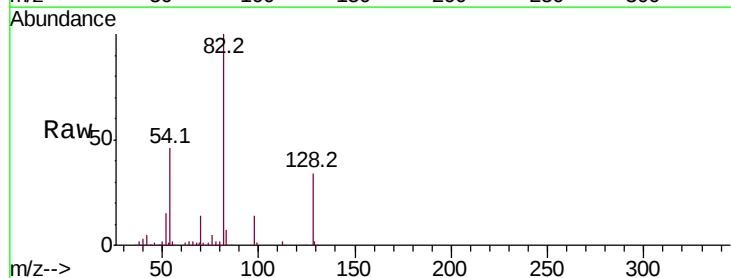


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

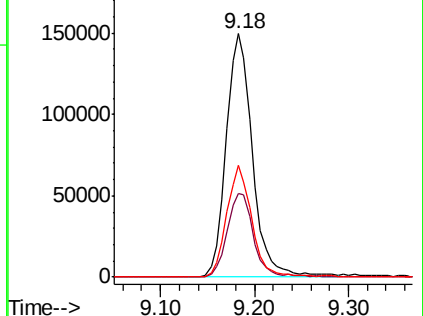
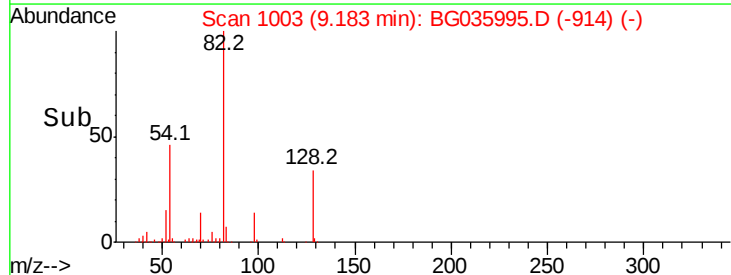


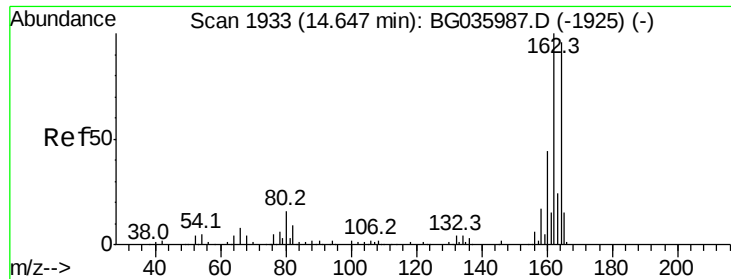
#23
Nitrobenzene-d5
Concen: 98.075 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Tgt Ion:	82	Resp:	290407
Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	45.7	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# 1933

Delta R.T. -0.00 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

Instrument :

BNA_G

ClientSampleId :

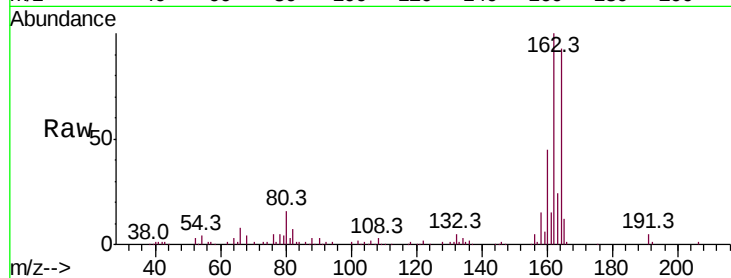
Tot Ion:164 Resp: 93542

Ion Ratio Lower Upper

164 100

162 107.0 78.8 118.2

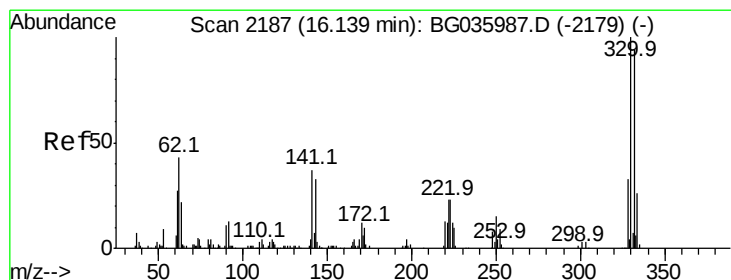
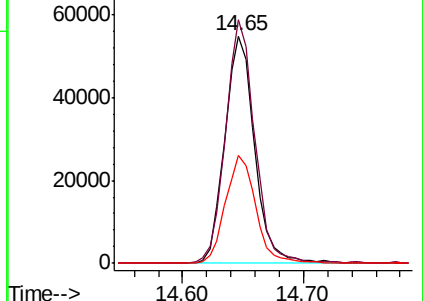
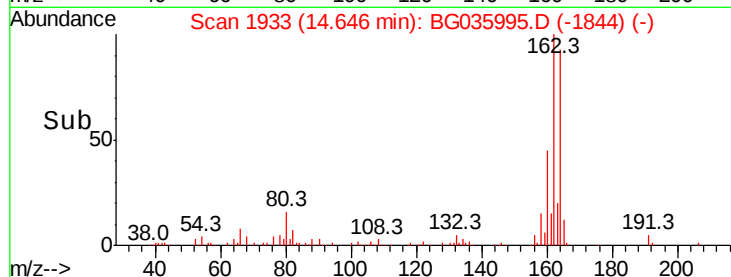
160 47.6 35.4 53.0



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: 105.667 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

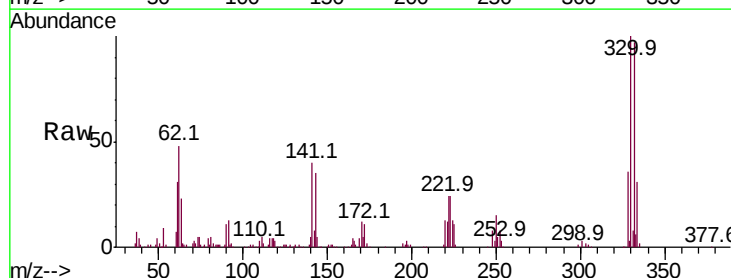
Tgt Ion:330 Resp: 130282

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

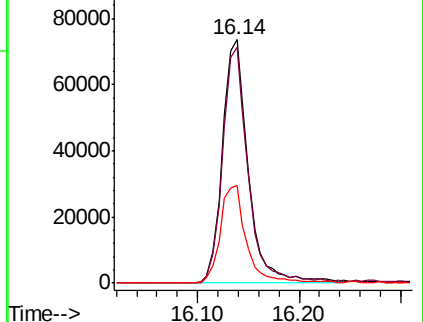
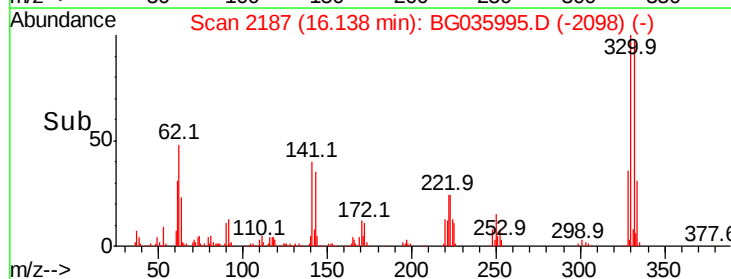
141 40.6 25.2 37.8#

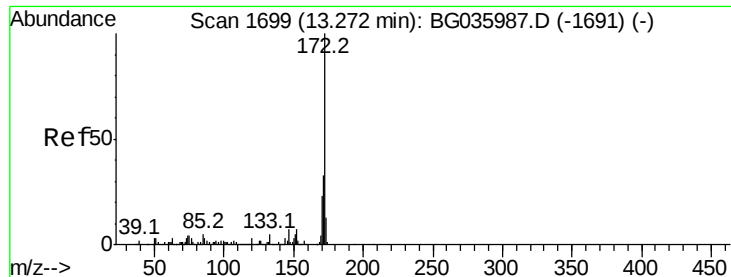


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

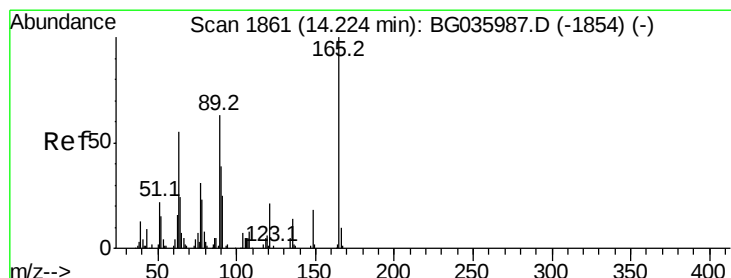
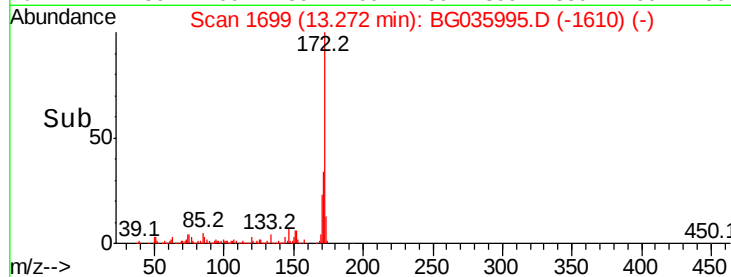
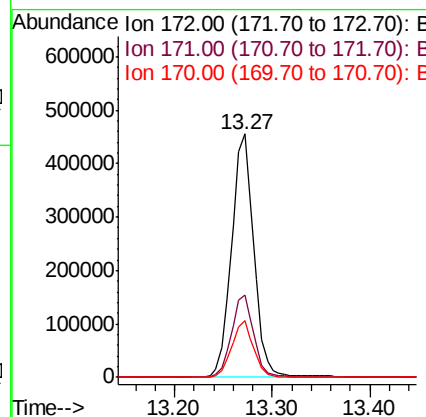
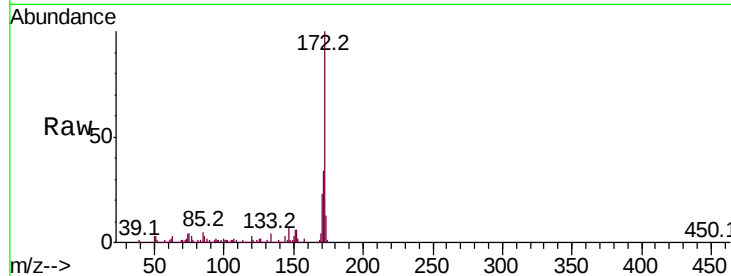




#44
2-Fluorobiphenyl
Concen: 103.510 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

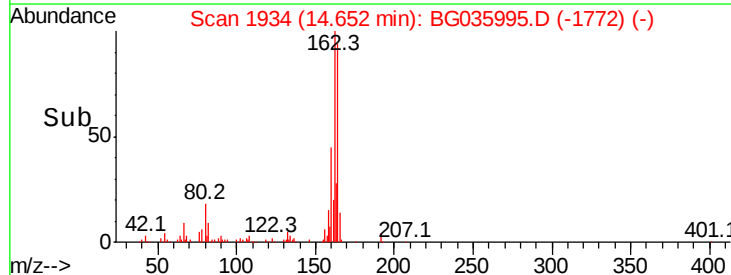
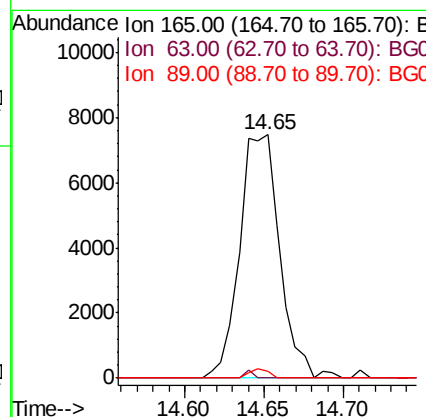
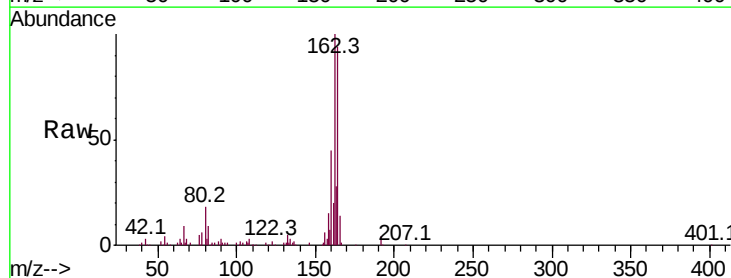
Instrument :
BNA_G
ClientSampleId :

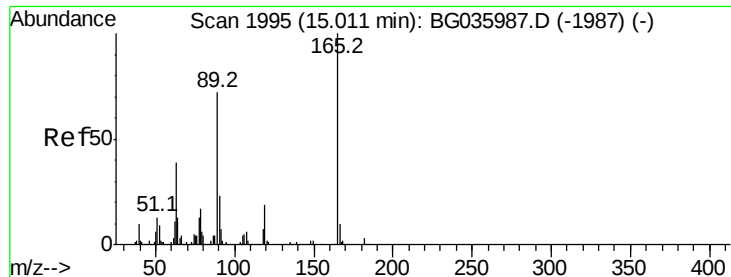
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.0	45.0
170	23.4	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.852 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.0	49.2	73.8#

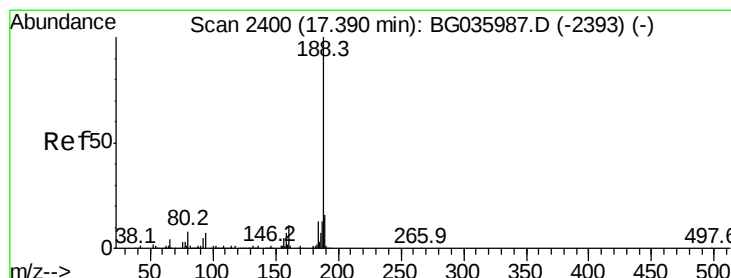
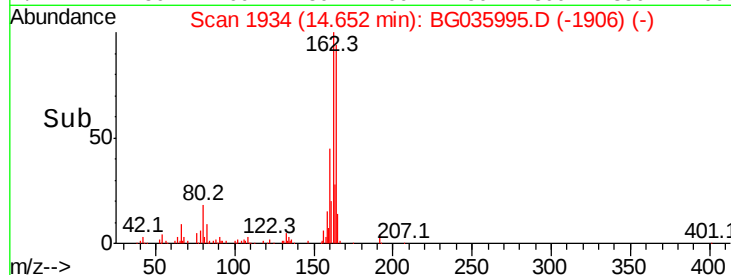
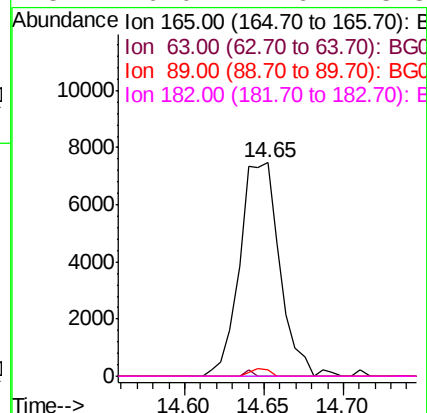
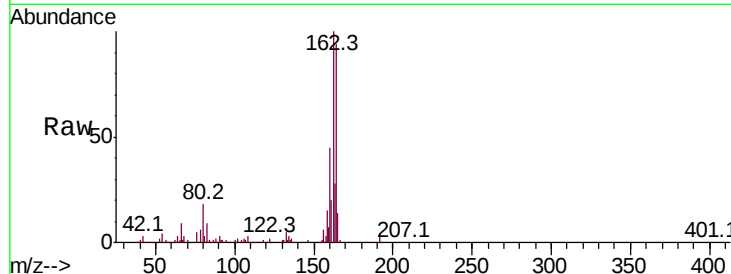




#56
2,4-Dinitrotoluene
Concen: 5.473 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

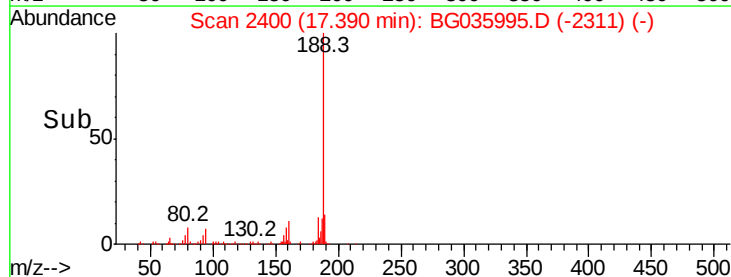
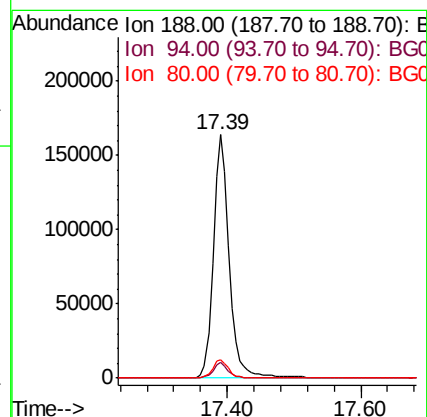
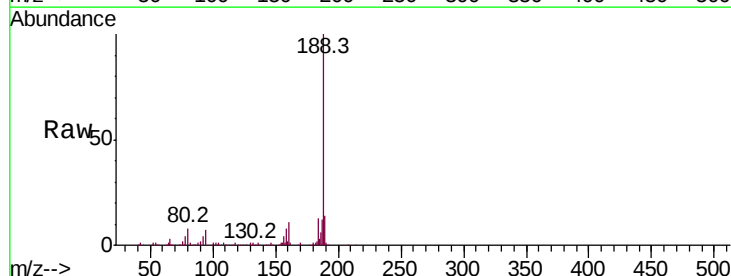
Instrument :
BNA_G
ClientSampleId :

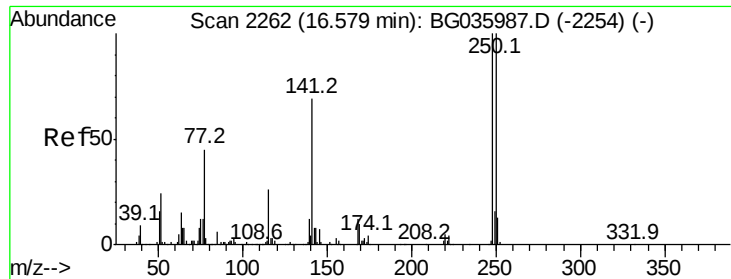
Tot Ion:165 Resp: 13105
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2400
Delta R.T. -0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Tgt Ion:188 Resp: 270545
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.8 7.7 11.5

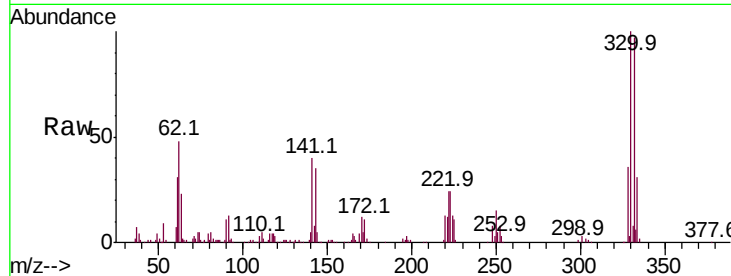




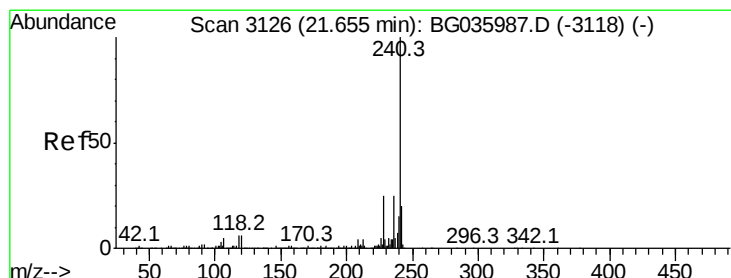
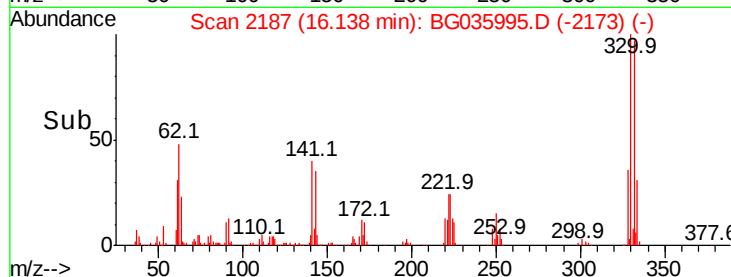
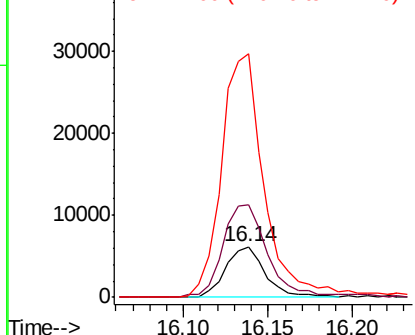
#66
4-Bromophenyl-phenylether
Concen: 3.207 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10066
Ion Ratio Lower Upper
248 100
250 183.8 77.1 115.7#
141 482.9 50.8 76.2#

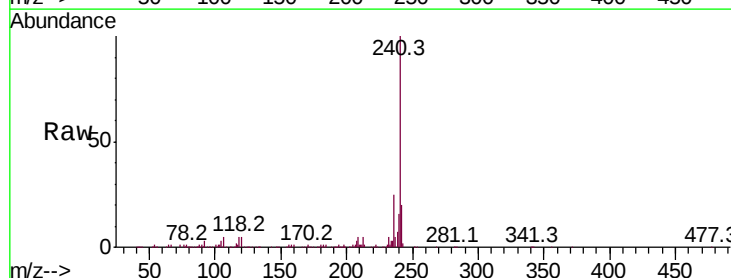


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

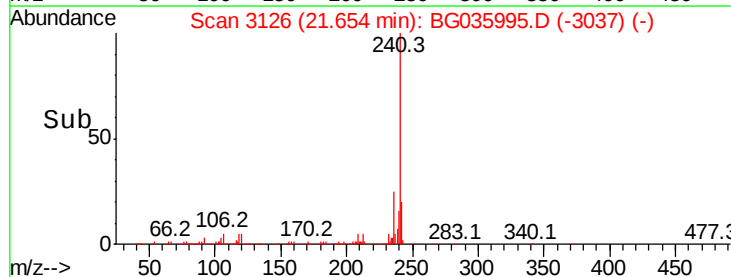
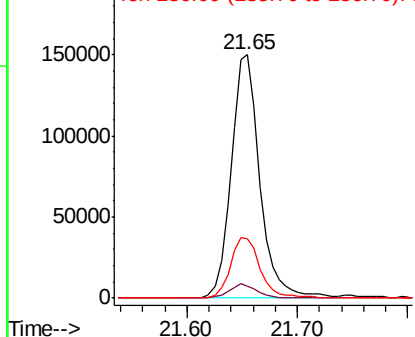


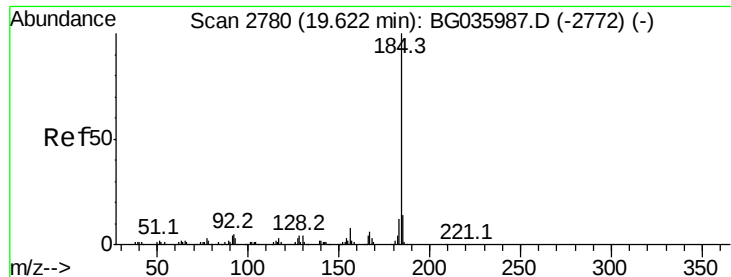
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Tgt Ion:240 Resp: 272847
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 24.5 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: 2.843 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

Instrument :

BNA_G

ClientSampleId :

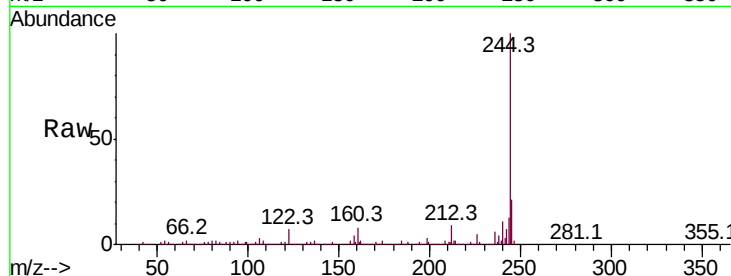
Tot Ion:184 Resp: 20393

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

183 10.0 10.6 16.0#



Abundance

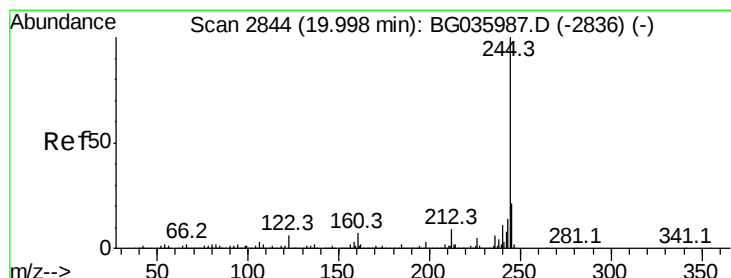
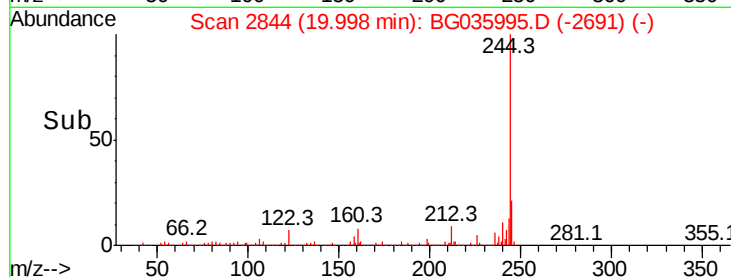
Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.00

Time-->



#78

Terphenyl-d14

Concen: 94.732 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG035995.D

Acq: 31 Jul 2018 4:39

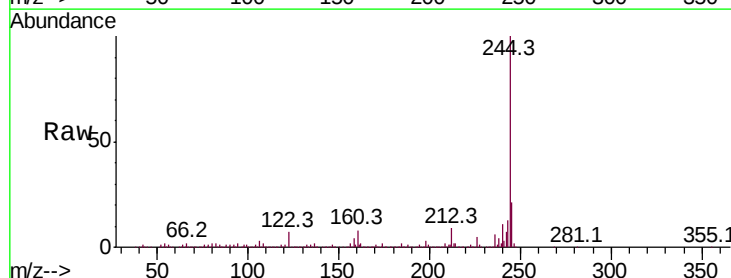
Tgt Ion:244 Resp: 1172583

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

122 6.6 7.0 10.4#



Abundance

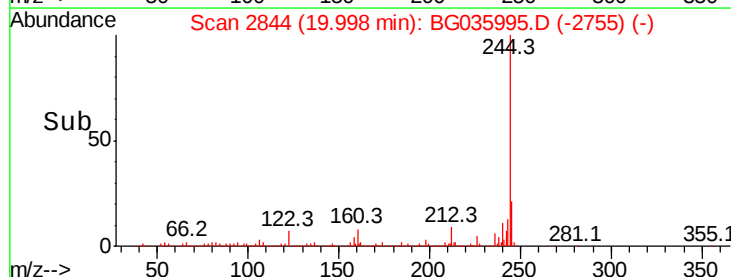
Ion 244.00 (243.70 to 244.70): E

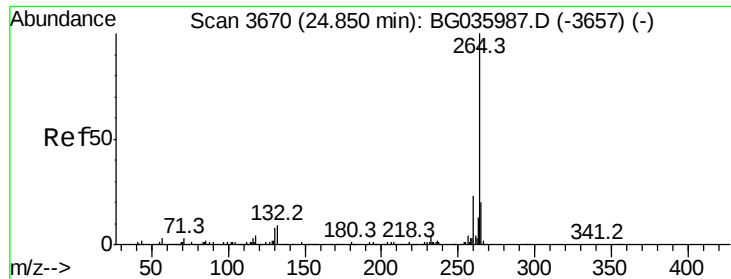
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.00

Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG035995.D
Acq: 31 Jul 2018 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	22.2	17.7	26.5

