

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
 Data File : BG038776.D
 Acq On : 21 Dec 2018 00:09
 Operator : JU/SJ
 Sample : J6478-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 121718-JETT-E-D-B

Quant Time: Dec 21 04:09:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

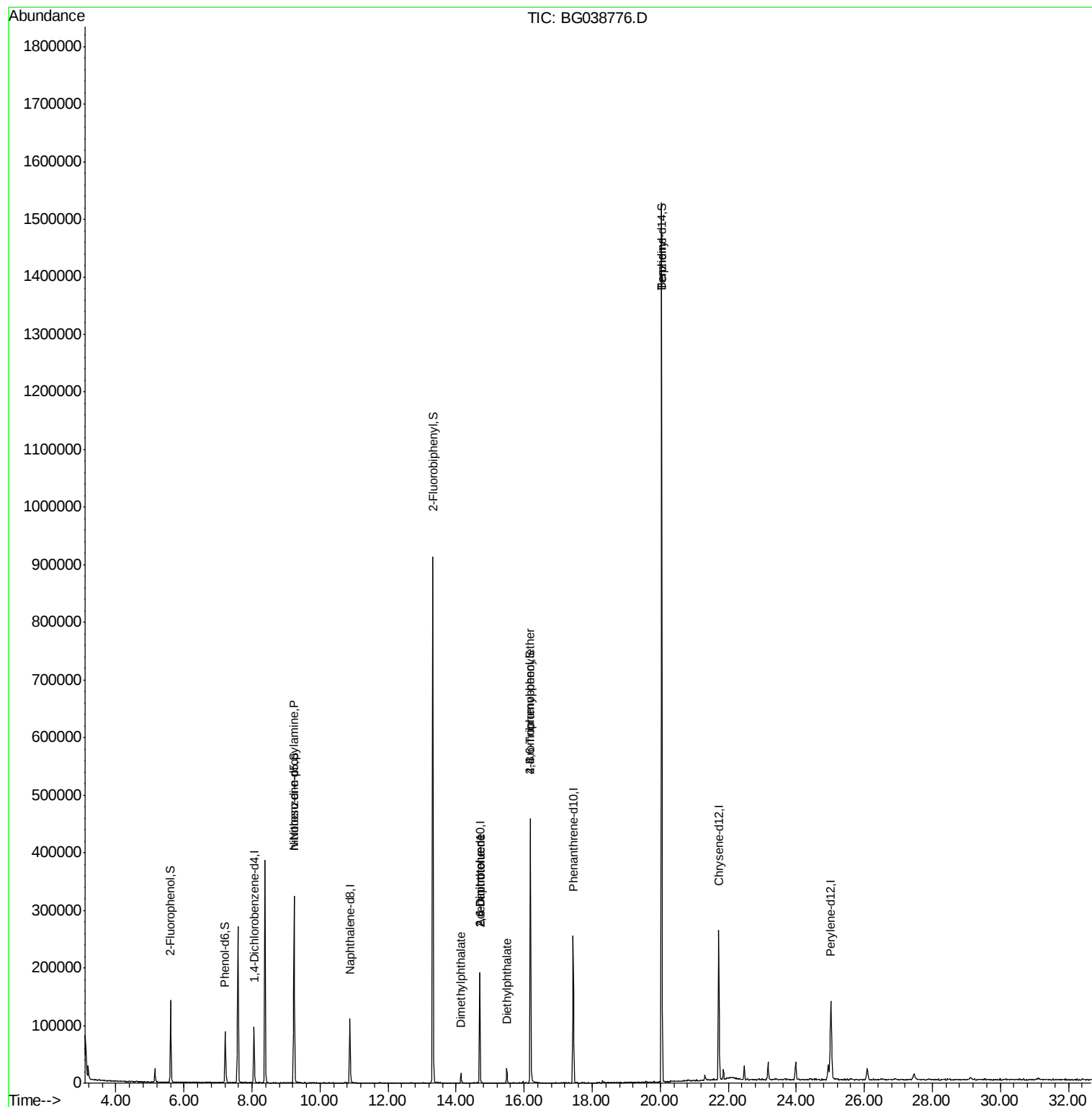
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	26825	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	105091	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	70184	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	171213	20.00	ng	0.00
76) Chrysene-d12	21.72	240	173499	20.00	ng	0.00
87) Perylene-d12	25.02	264	178848	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	61944	40.96	ng	0.00
7) Phenol-d6	7.21	99	52805	25.43	ng	0.00
23) Nitrobenzene-d5	9.23	82	194108	94.36	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	98368	101.70	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	504003	98.51	ng	0.00
79) Terphenyl-d14	20.04	244	745348	93.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	26208	17.972	ng	# 65
50) Dimethylphthalate	14.14	163	14717	2.568	ng	# 99
51) 2,6-Dinitrotoluene	14.70	165	8926	6.872	ng	# 21
57) 2,4-Dinitrotoluene	14.70	165	8926	4.879	ng	# 24
60) Diethylphthalate	15.49	149	14443	2.295	ng	# 99
67) 4-Bromophenyl-phenylether	16.18	248	6271	2.999	ng	# 1
77) Benzidine	20.04	184	12179	2.374	ng	# 92

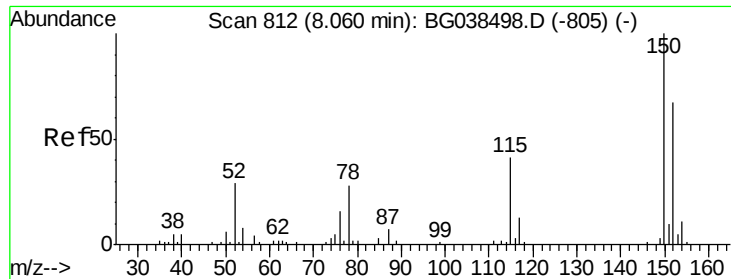
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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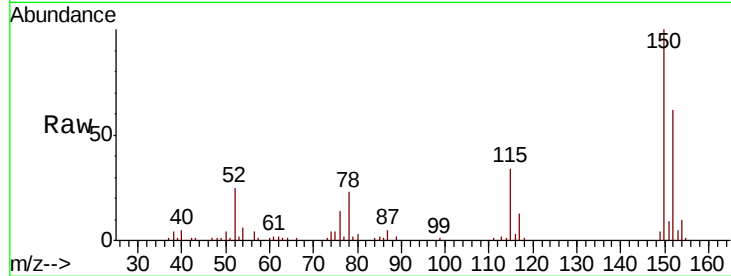


#1

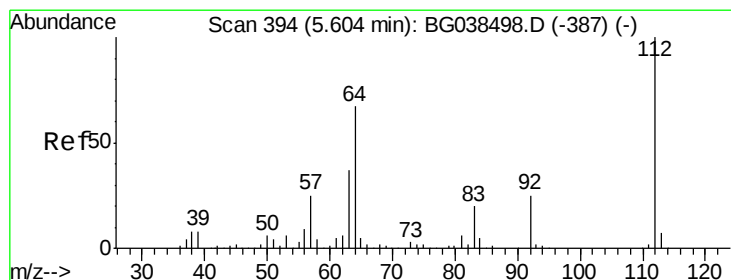
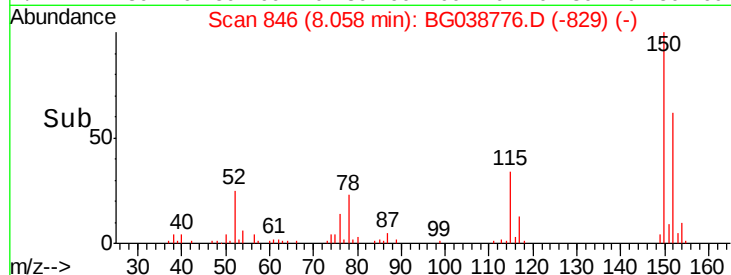
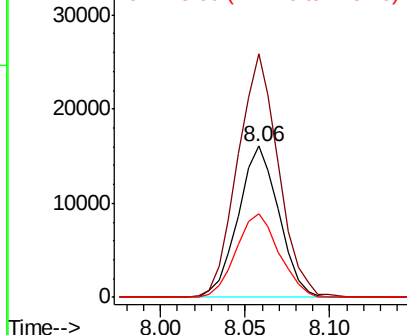
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Instrument :
BNA_G
ClientSampleId :
121718-JETT-E-D-B

Tgt Ion:152 Resp: 26825
Ion Ratio Lower Upper
152 100
150 161.3 119.5 179.3
115 55.1 49.6 74.4



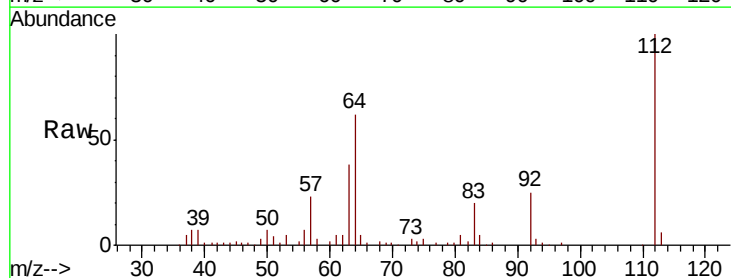
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



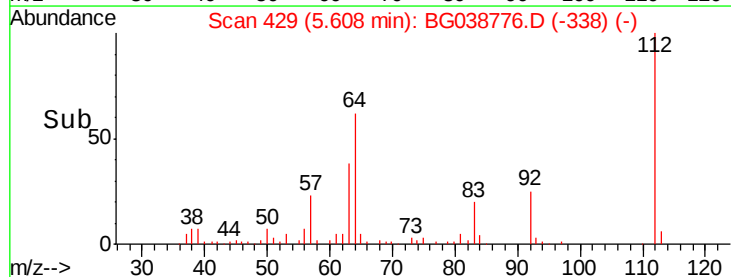
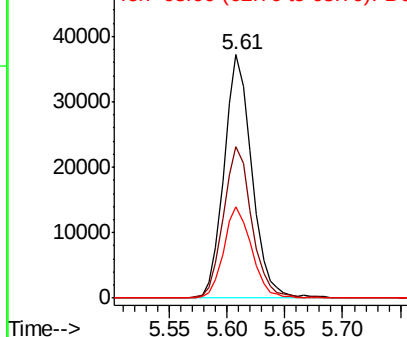
#5

2-Fluorophenol
Concen: 40.957 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Tgt Ion:112 Resp: 61944
Ion Ratio Lower Upper
112 100
64 62.4 53.4 80.2
63 37.5 29.3 43.9



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: 25.433 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

Instrument :

BNA_G

ClientSampleId :

121718-JETT-E-D-B

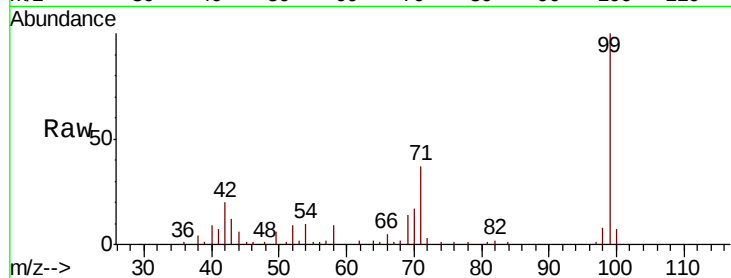
Tgt Ion: 99 Resp: 52805

Ion Ratio Lower Upper

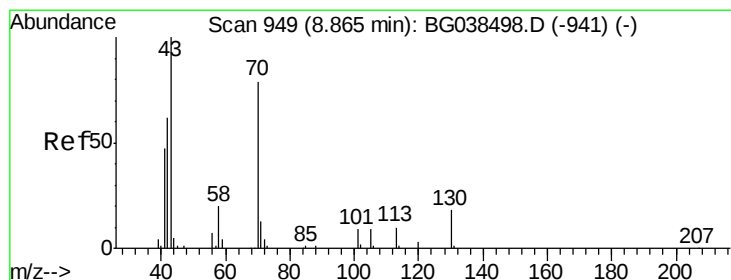
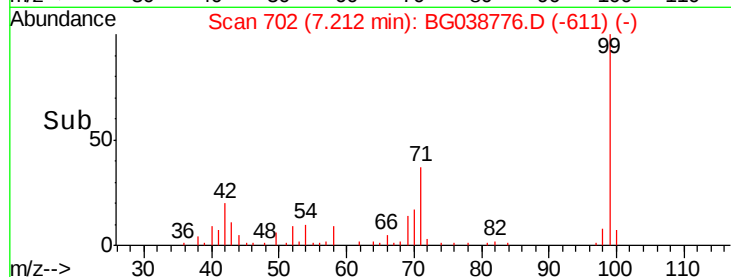
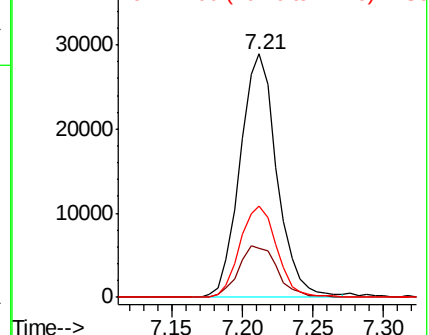
99 100

42 20.2 18.5 27.7

71 37.4 31.1 46.7



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: 17.972 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

Tgt Ion: 70 Resp: 26208

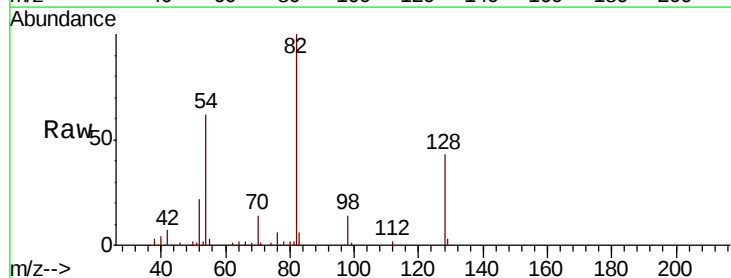
Ion Ratio Lower Upper

70 100

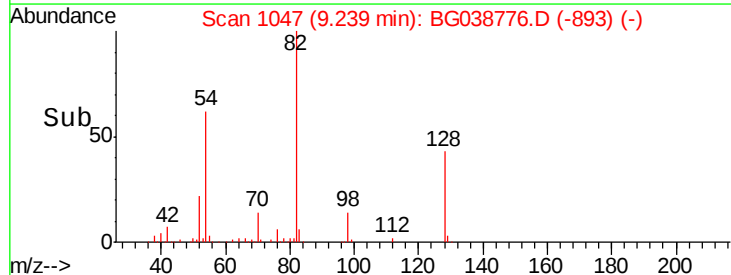
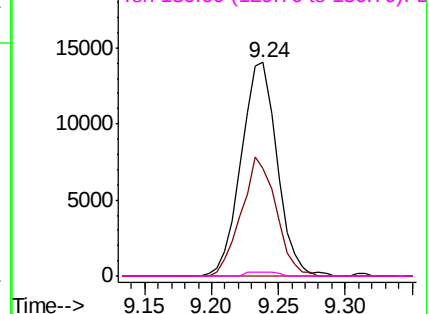
42 50.2 63.6 95.4#

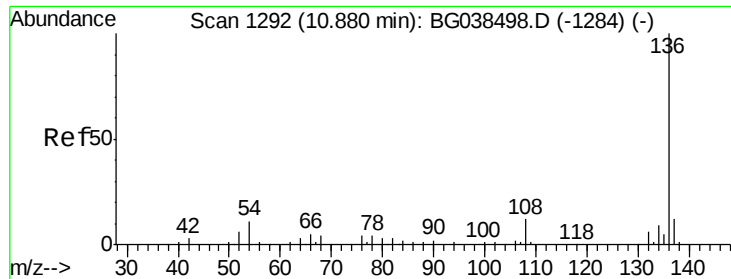
101 0.0 9.2 13.8#

130 1.6 18.5 27.7#



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

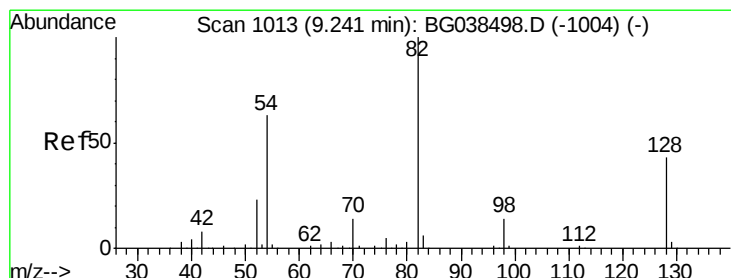
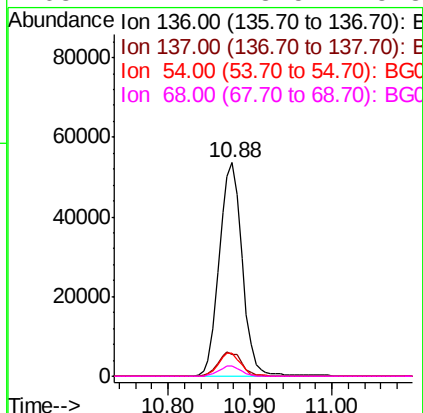
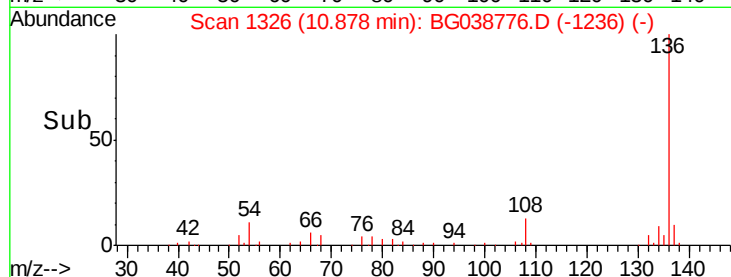
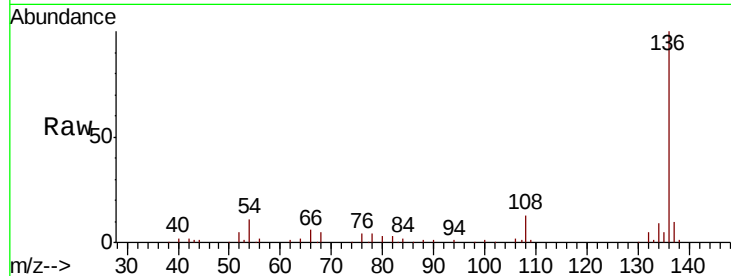




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

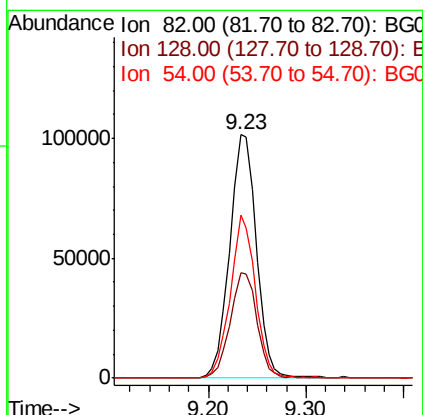
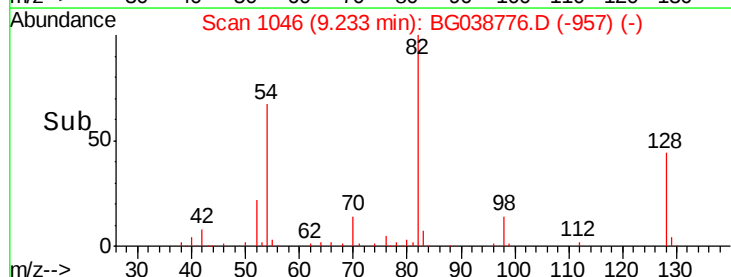
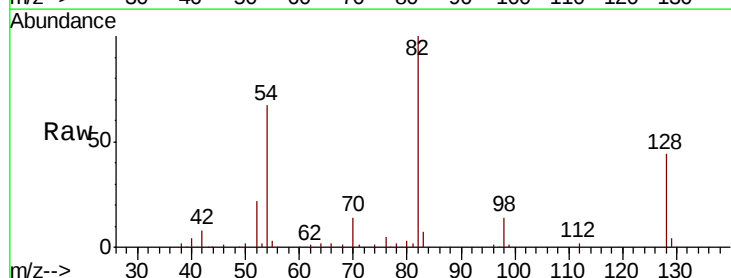
Instrument :
BNA_G
ClientSampleId :
121718-JETT-E-D-B

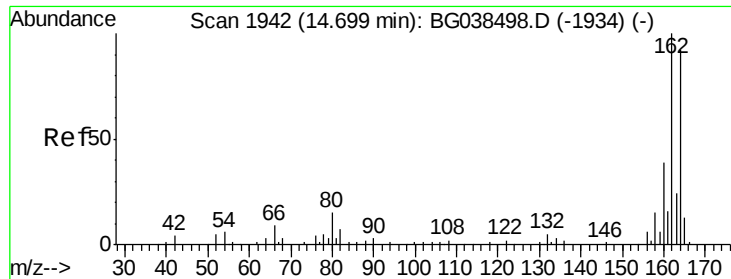
Tgt Ion:	136	Resp:	105091
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.3	13.9
54	10.5	8.5	12.7
68	4.7	3.5	5.3



#23
Nitrobenzene-d5
Concen: 94.360 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Tgt Ion:	82	Resp:	194108
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	67.0	50.6	76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

Instrument :

BNA_G

ClientSampleId :

121718-JETT-E-D-B

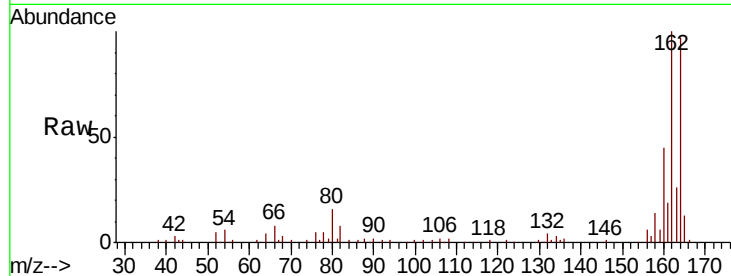
Tgt Ion:164 Resp: 70184

Ion Ratio Lower Upper

164 100

162 103.0 86.6 130.0

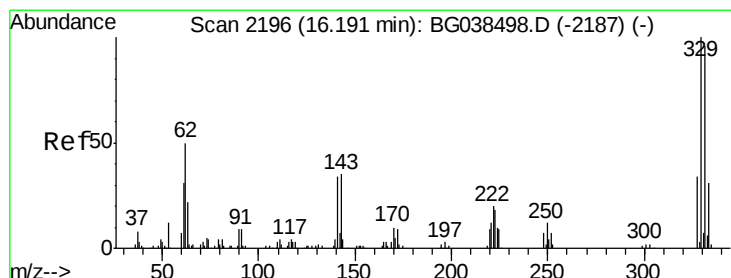
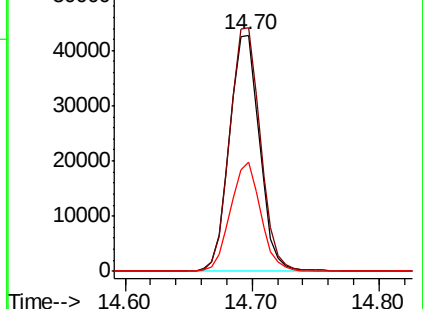
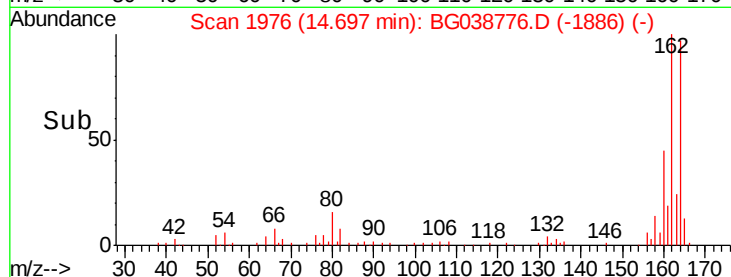
160 46.0 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 101.697 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

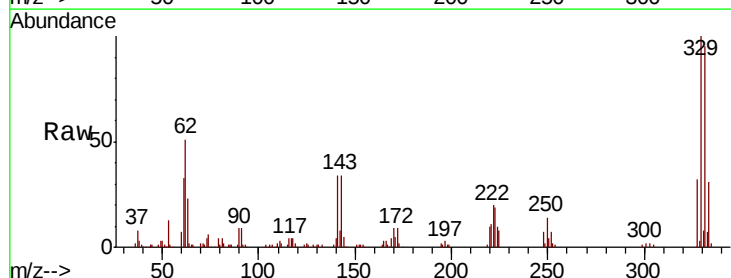
Tgt Ion:330 Resp: 98368

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

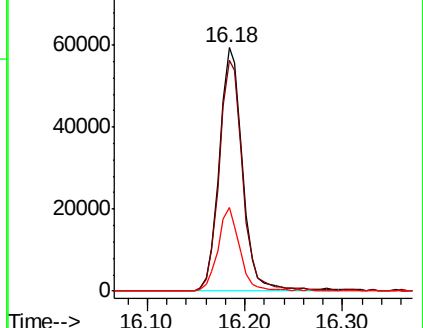
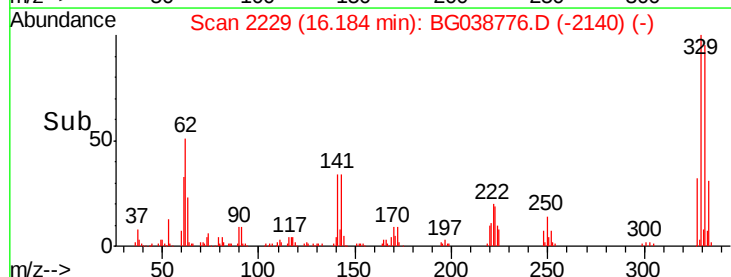
141 32.1 28.8 43.2



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

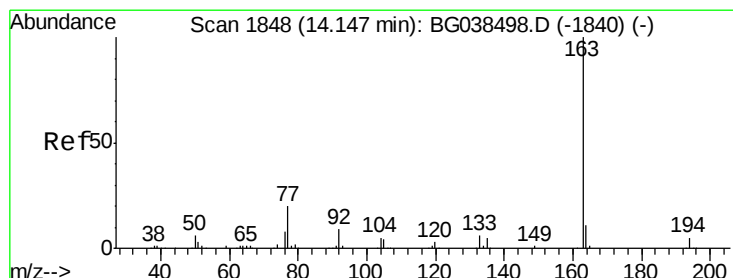
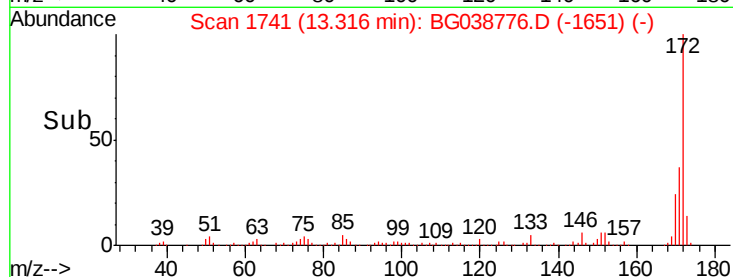
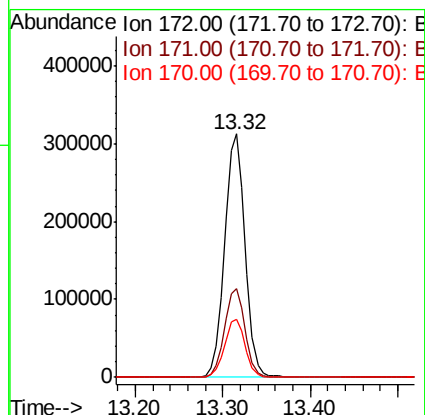
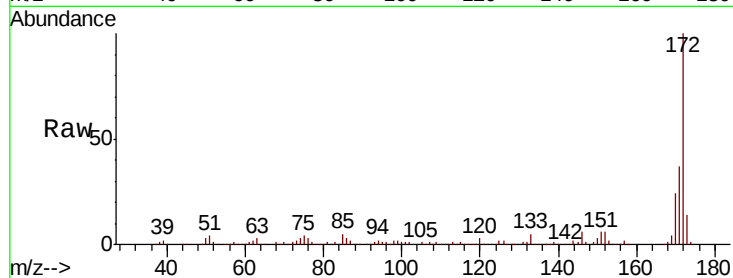




#45
2-Fluorobiphenyl
Concen: 98.515 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

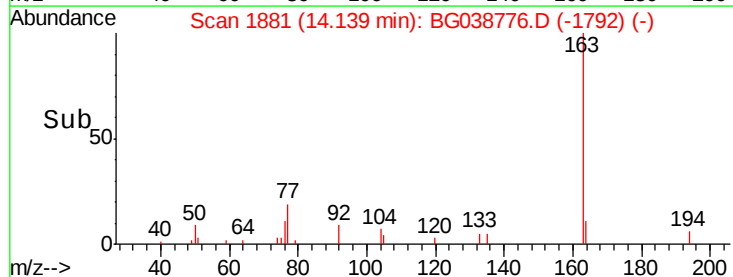
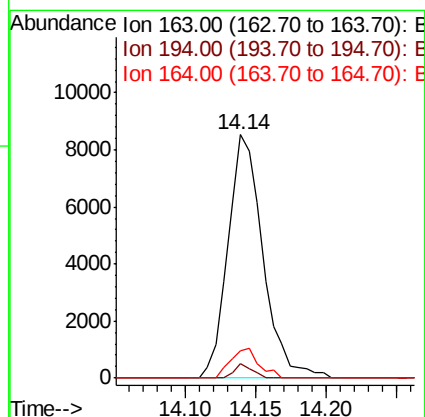
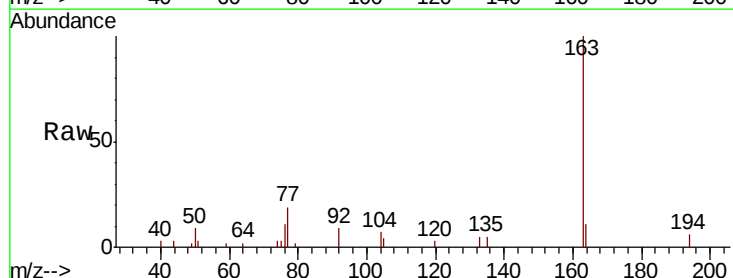
Instrument :
BNA_G
ClientSampleId :
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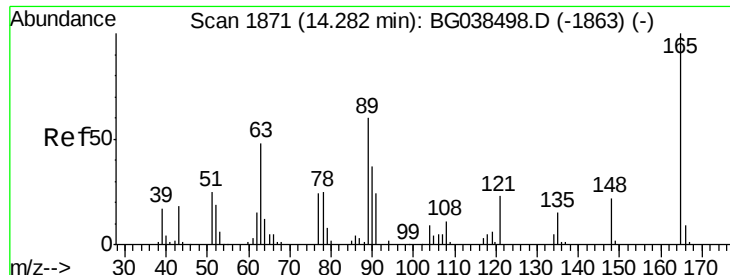
Tgt Ion:172 Resp: 504003
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.0 19.5 29.3



#50
Dimethylphthalate
Concen: 2.568 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Tgt Ion:163 Resp: 14717
Ion Ratio Lower Upper
163 100
194 5.7 3.7 5.5#
164 11.0 8.6 12.8

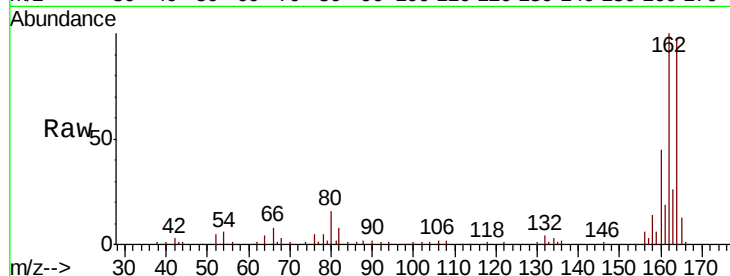




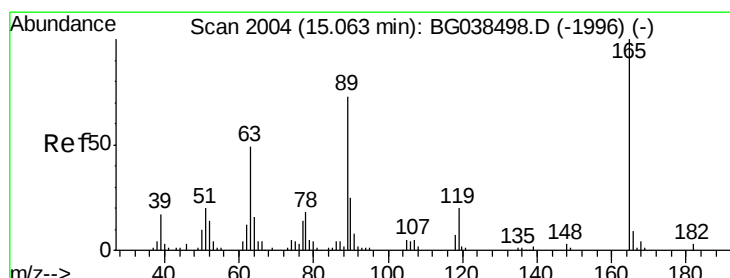
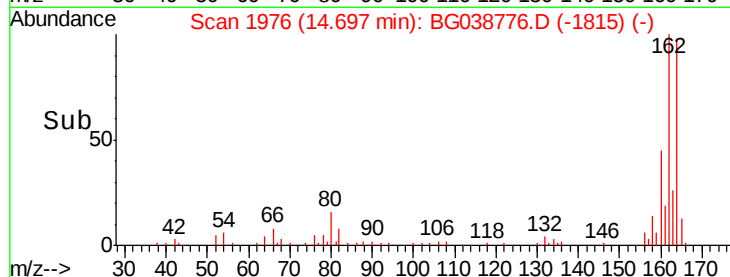
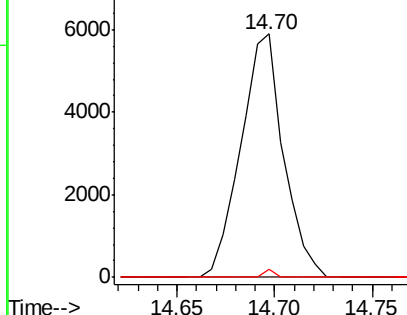
#51
 2,6-Dinitrotoluene
 Concen: 6.872 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038776.D
 Acq: 21 Dec 2018 00:09

Instrument :
 BNA_G
 ClientSampleId :
 121718-JETT-E-D-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.6	47.9	71.9#



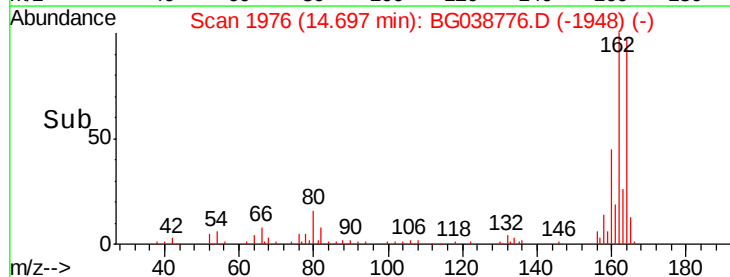
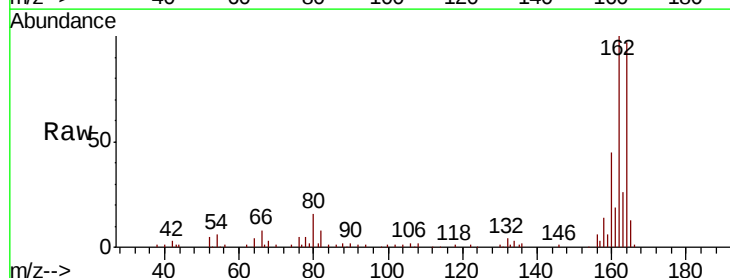
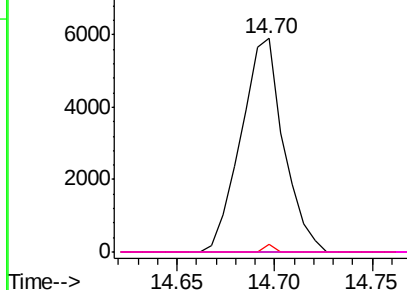
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

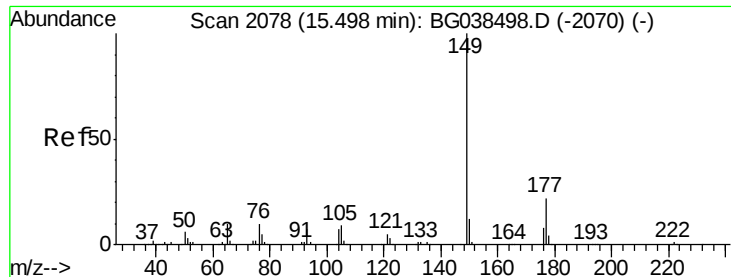


#57
 2,4-Dinitrotoluene
 Concen: 4.879 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038776.D
 Acq: 21 Dec 2018 00:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.6	58.0	87.0#
182	0.0	2.3	3.5#

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

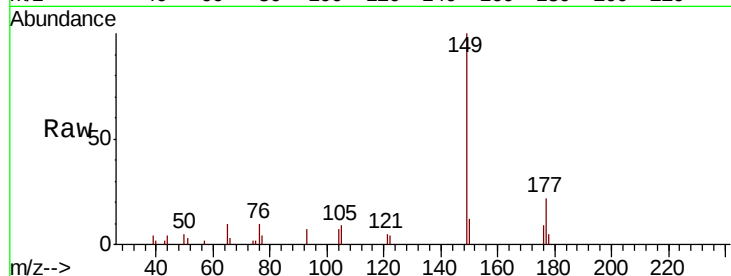




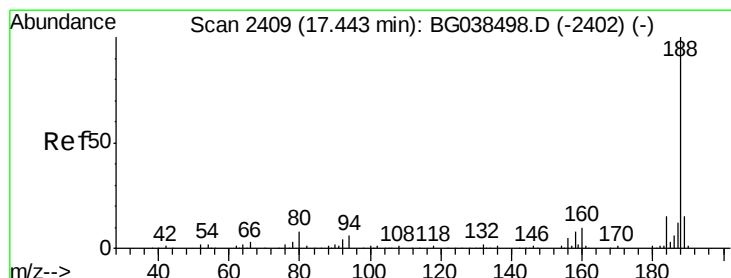
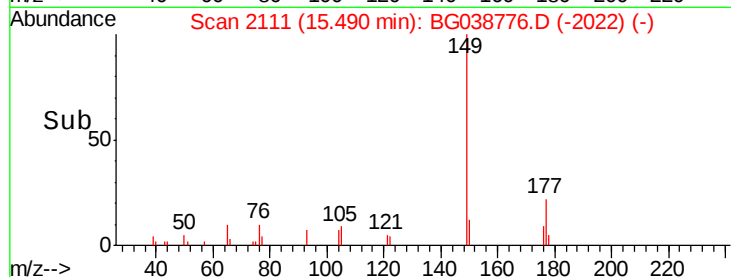
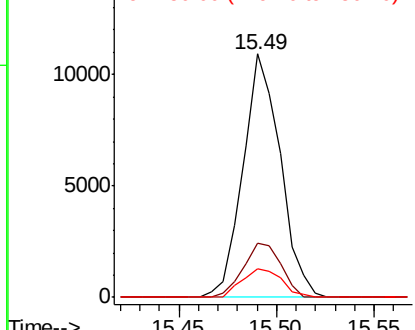
#60
Diethylphthalate
Concen: 2.295 ng
RT: 15.49 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Instrument :
BNA_G
ClientSampleId :
121718-JETT-E-D-B

Tgt Ion:149 Resp: 14443
Ion Ratio Lower Upper
149 100
177 22.1 17.7 26.5
150 11.8 9.9 14.9

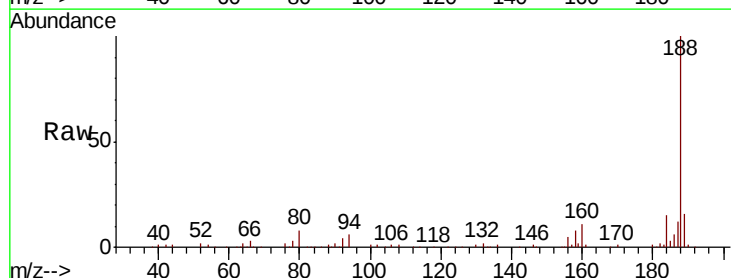


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

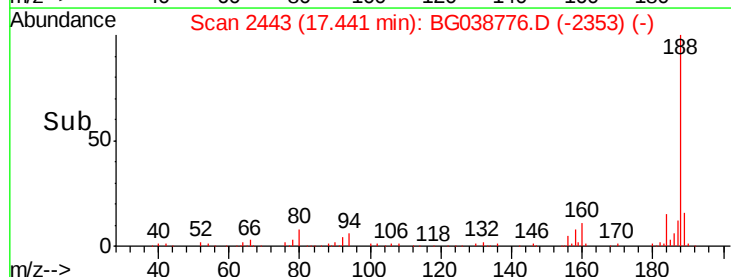
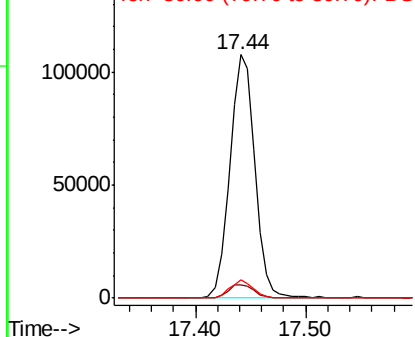


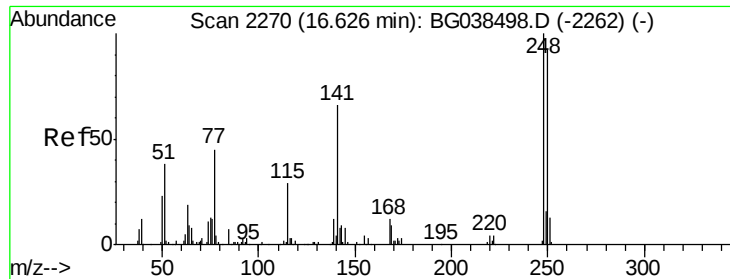
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Tgt Ion:188 Resp: 171213
Ion Ratio Lower Upper
188 100
94 5.7 5.1 7.7
80 7.6 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

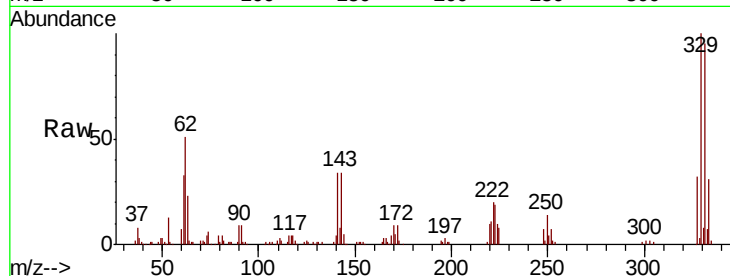




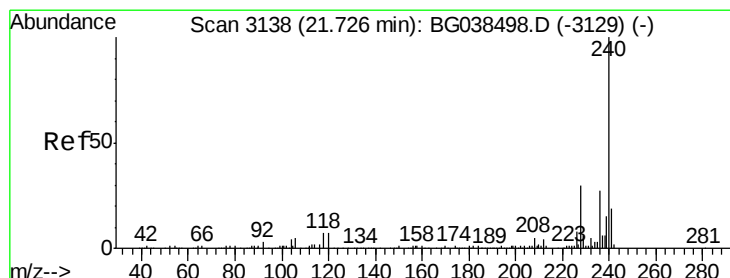
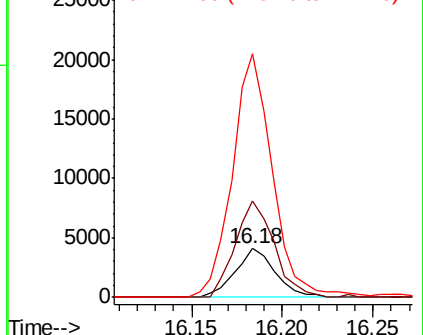
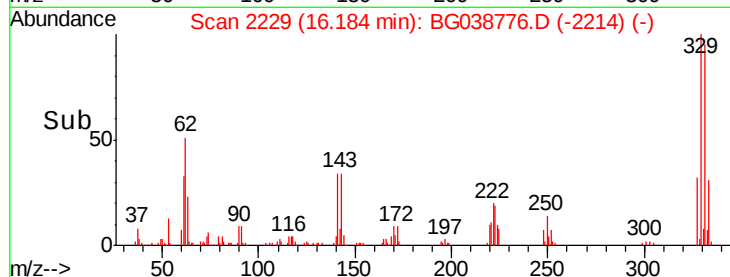
#67
4-Bromophenyl-phenylether
Concen: 2.999 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Instrument :
BNA_G
ClientSampleId :
121718-JETT-E-D-B

Tgt Ion:248 Resp: 6271
Ion Ratio Lower Upper
248 100
250 196.1 73.4 110.2#
141 382.2 52.9 79.3#

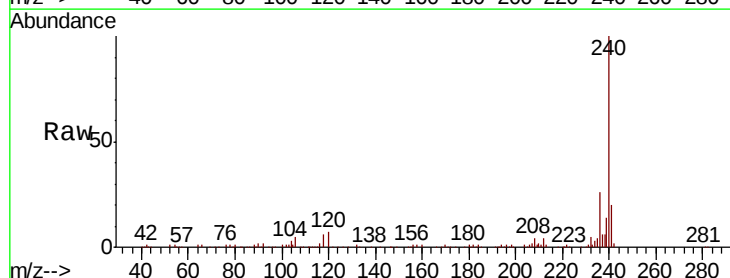


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

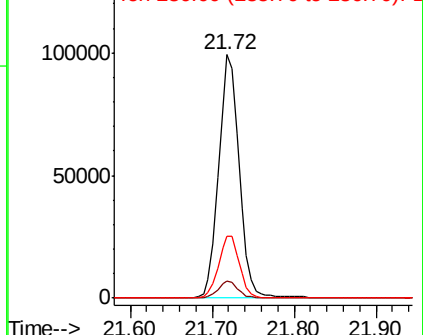
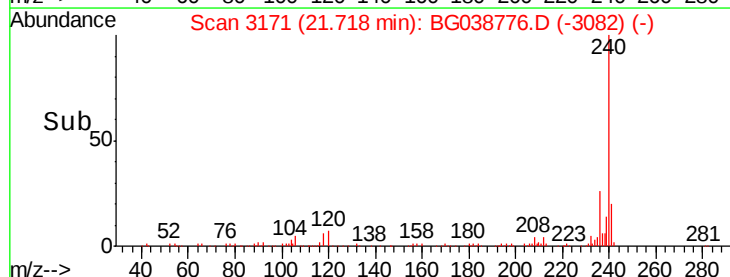


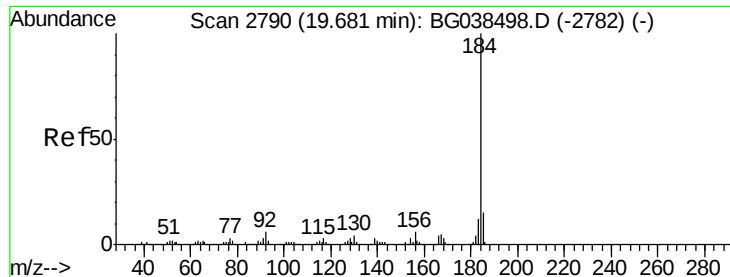
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Tgt Ion:240 Resp: 173499
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 25.5 21.4 32.2



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





#77

Benzidine

Concen: 2.374 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

Instrument :

BNA_G

ClientSampleId :

121718-JETT-E-D-B

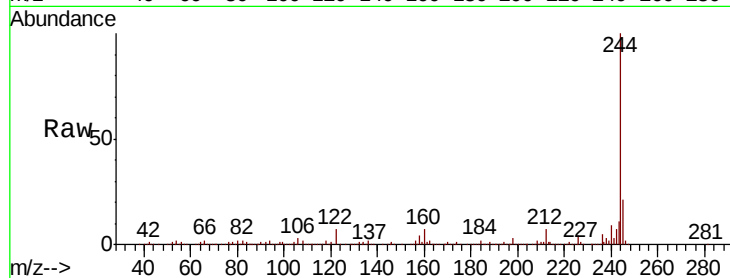
Tgt Ion:184 Resp: 12179

Ion Ratio Lower Upper

184 100

185 19.2 12.2 18.2#

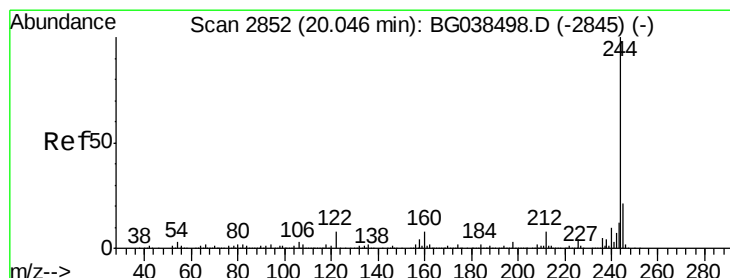
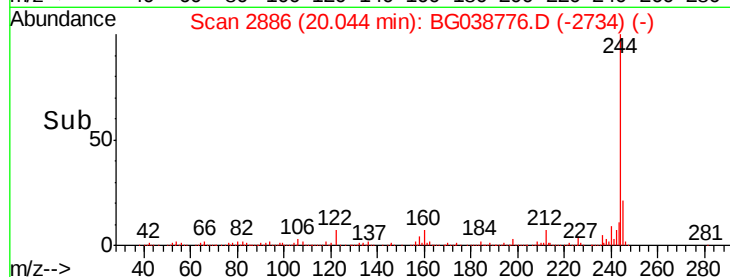
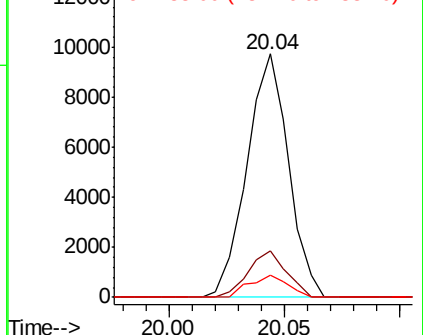
183 9.3 9.6 14.4#



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



#79

Terphenyl-d14

Concen: 93.495 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038776.D

Acq: 21 Dec 2018 00:09

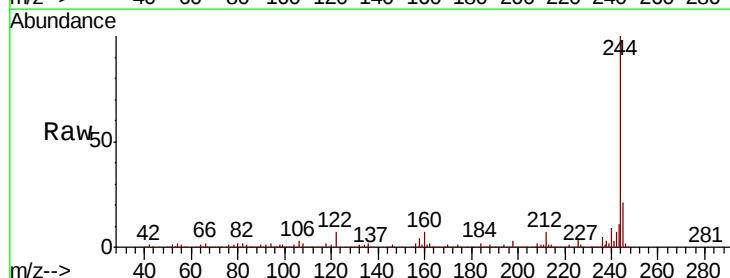
Tgt Ion:244 Resp: 745348

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

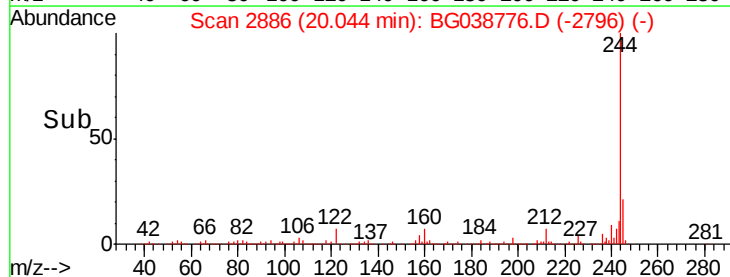
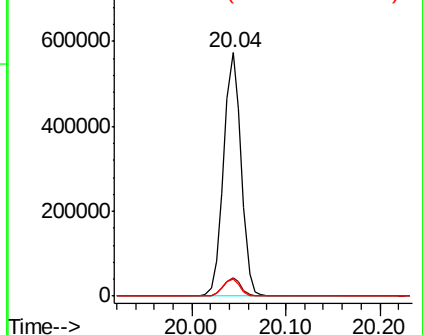
122 7.2 6.3 9.5

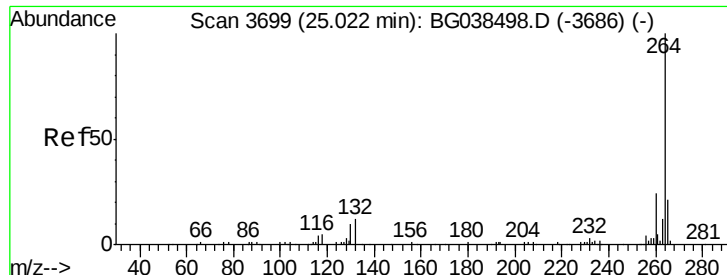


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

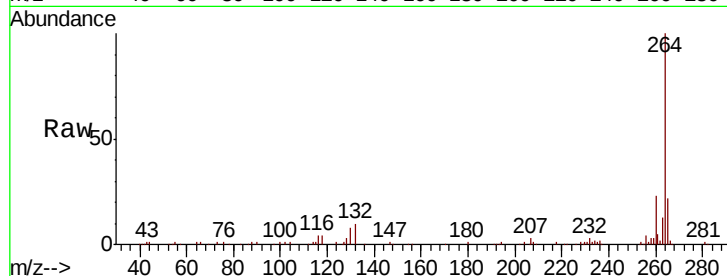




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.00 min
Lab File: BG038776.D
Acq: 21 Dec 2018 00:09

Instrument :
BNA_G
ClientSampleId :
121718-JETT-E-D-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.6	17.0	25.4



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

