

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038685.D
 Acq On : 18 Dec 2018 6:13
 Operator : JU/SJ
 Sample : J6403-24
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-B

Quant Time: Dec 18 07:32:03 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

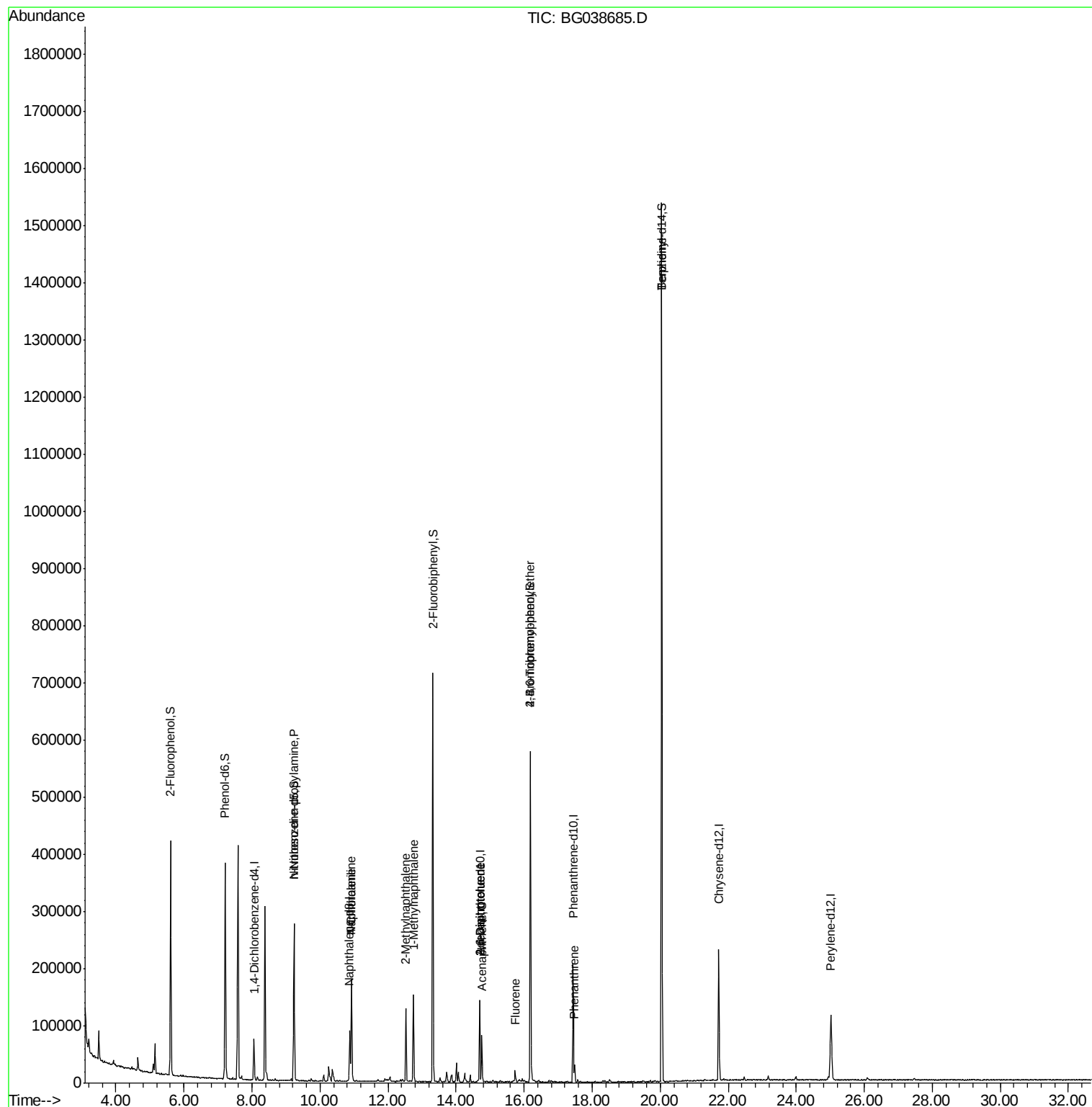
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20119	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	77921	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	51386	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	134573	20.00	ng	0.00
76) Chrysene-d12	21.72	240	145476	20.00	ng	0.00
87) Perylene-d12	25.02	264	151618	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	166574	146.85	ng	0.00
7) Phenol-d6	7.21	99	204749	131.48	ng	0.00
23) Nitrobenzene-d5	9.23	82	156046	102.31	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	116707	164.80	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	370664	98.96	ng	0.00
79) Terphenyl-d14	20.04	244	755473	113.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	21565	19.718	ng	Qvalue # 70
31) Naphthalene	10.93	128	150705	39.254	ng	99
33) 4-Chloroaniline	10.93	127	20827	12.495	ng	# 35
37) 2-Methylnaphthalene	12.52	142	62017	22.643	ng	97
38) 1-Methylnaphthalene	12.75	142	71445	26.881	ng	99
51) 2,6-Dinitrotoluene	14.69	165	7054	7.418	ng	# 23
52) Acenaphthene	14.76	154	31539	10.603	ng	99
57) 2,4-Dinitrotoluene	14.69	165	7054	5.267	ng	# 25
58) Fluorene	15.74	166	11203	2.966	ng	87
67) 4-Bromophenyl-phenylether	16.19	248	7343	4.468	ng	# 1
71) Phenanthrene	17.48	178	21579	3.092	ng	98
77) Benzdine	20.04	184	13781	3.203	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: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampleId :

TP-3-B

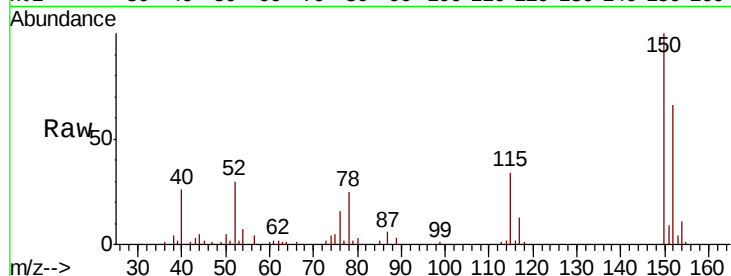
Tgt Ion:152 Resp: 20119

Ion Ratio Lower Upper

152 100

150 152.5 119.5 179.3

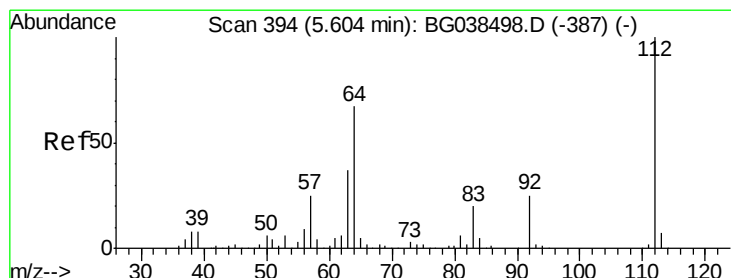
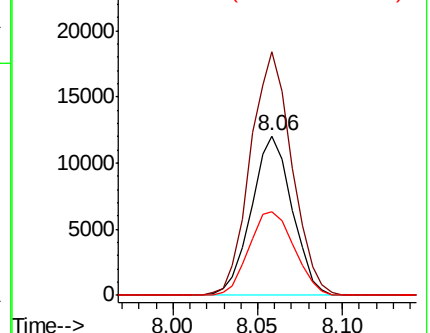
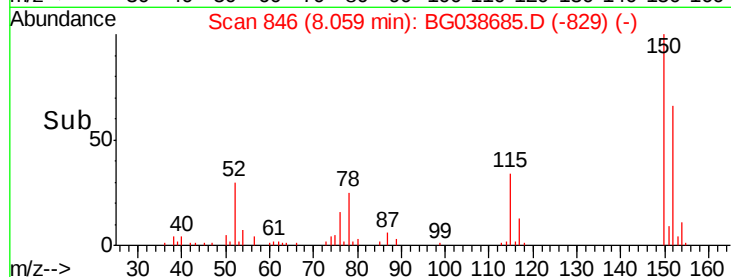
115 52.1 49.6 74.4



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: 146.848 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

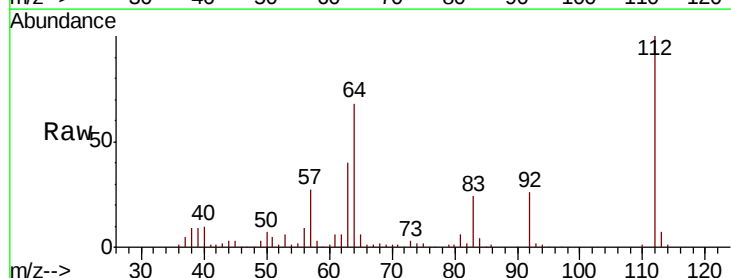
Tgt Ion:112 Resp: 166574

Ion Ratio Lower Upper

112 100

64 68.1 53.4 80.2

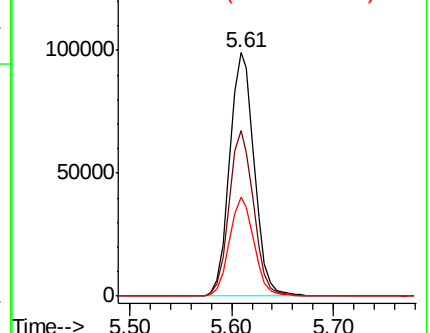
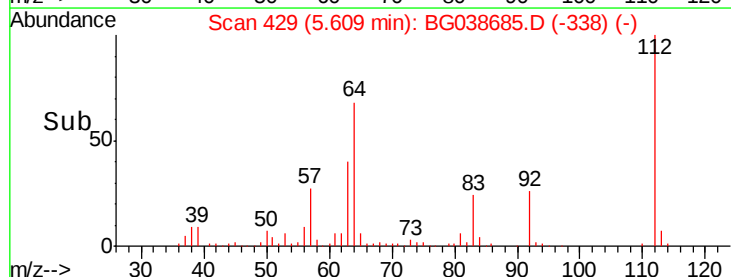
63 40.4 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 131.484 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampled :

TP-3-B

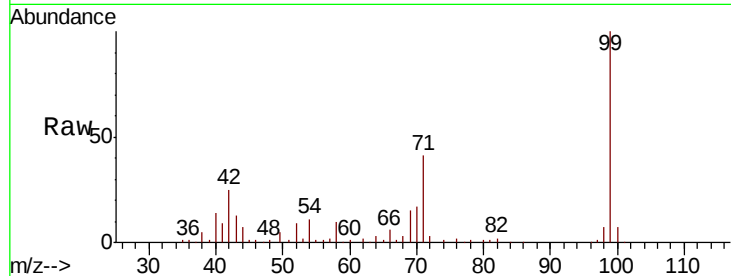
Tgt Ion: 99 Resp: 204749

Ion Ratio Lower Upper

99 100

42 25.4 18.5 27.7

71 40.7 31.1 46.7

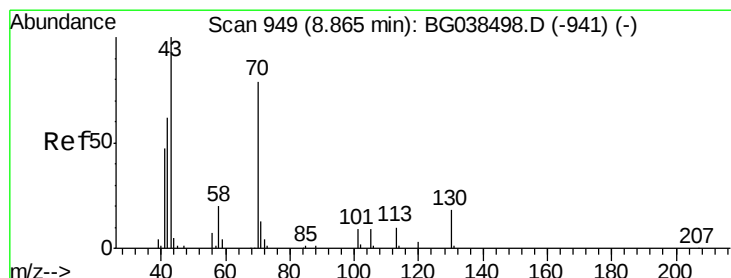
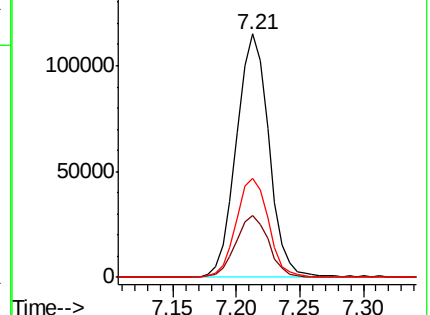
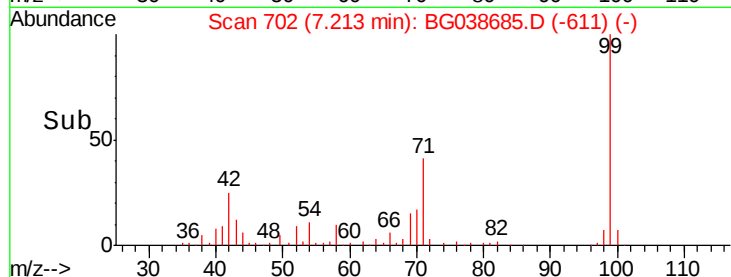


Abundance

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: 19.718 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.38 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Tgt Ion: 70 Resp: 21565

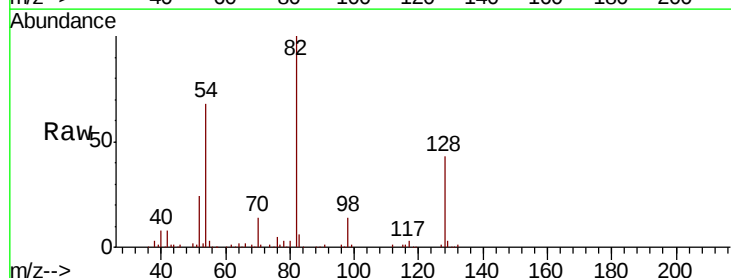
Ion Ratio Lower Upper

70 100

42 56.9 63.6 95.4#

101 0.0 9.2 13.8#

130 2.4 18.5 27.7#



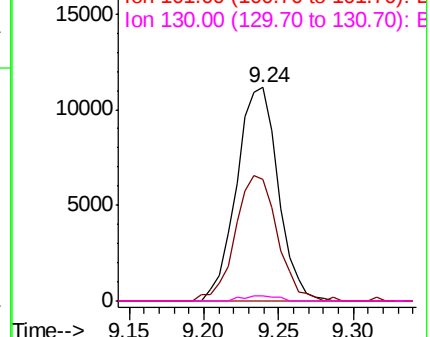
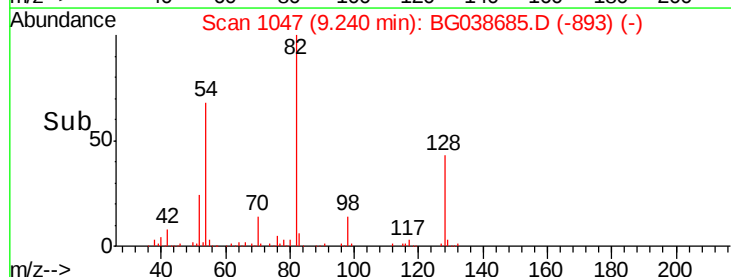
Abundance

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

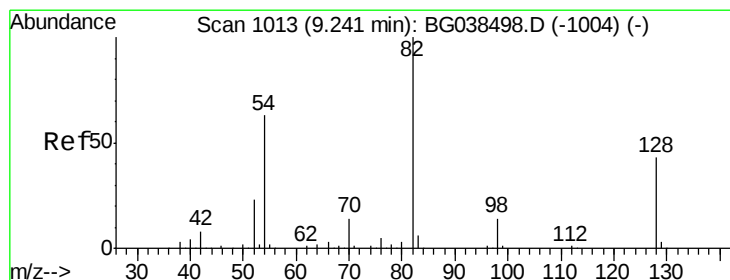
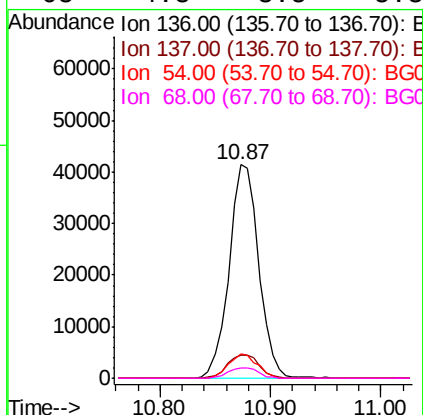
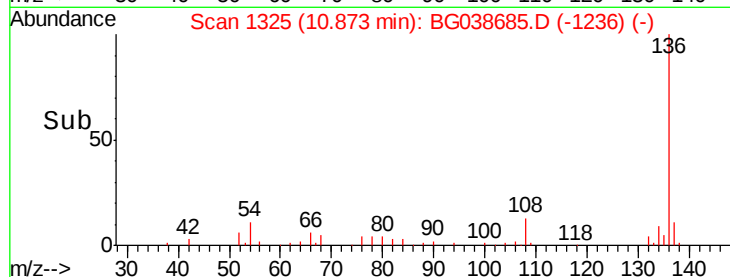
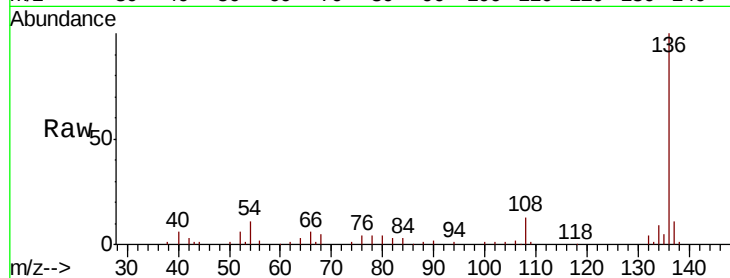




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

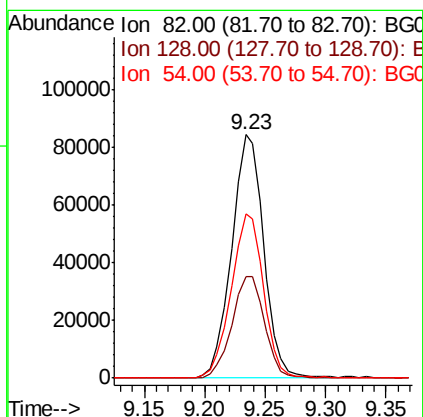
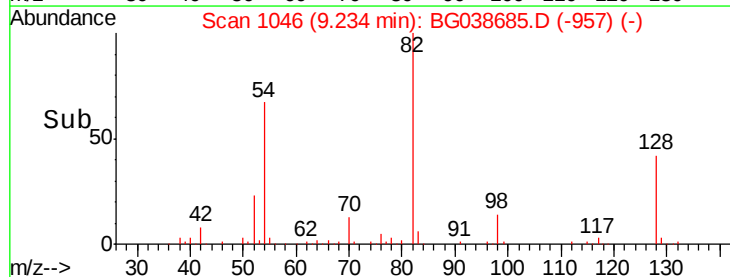
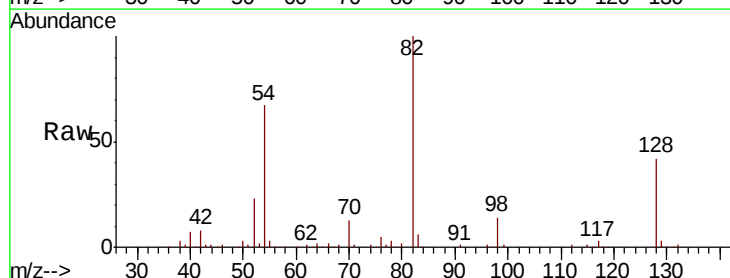
Instrument :
BNA_G
ClientSampleId :
TP-3-B

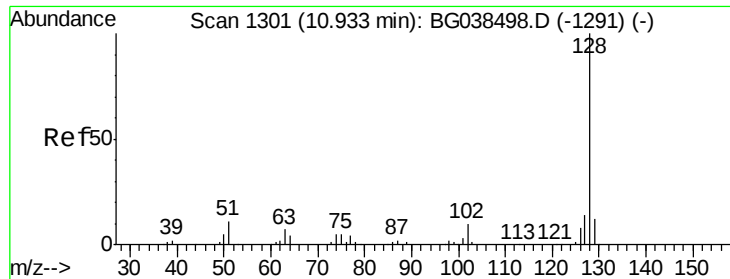
Tgt Ion:	136	Resp:	77921
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	11.3	8.5	12.7
68	4.8	3.5	5.3



#23
Nitrobenzene-d5
Concen: 102.308 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

Tgt Ion:	82	Resp:	156046
Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.6	52.0
54	67.3	50.6	76.0

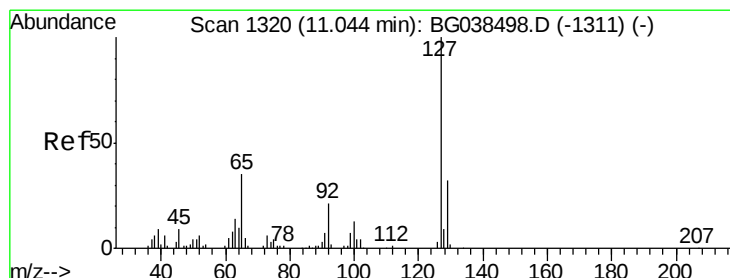
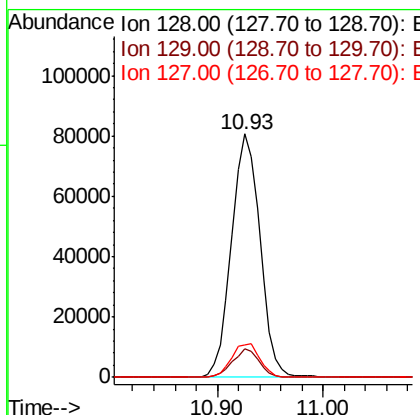
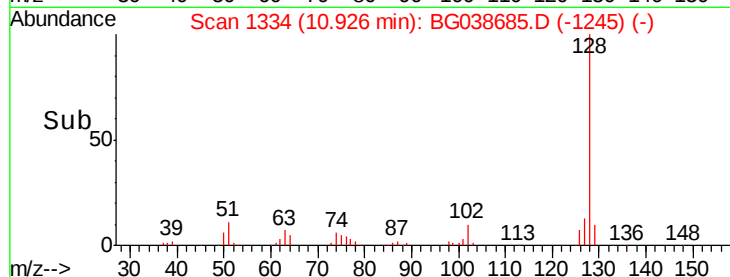
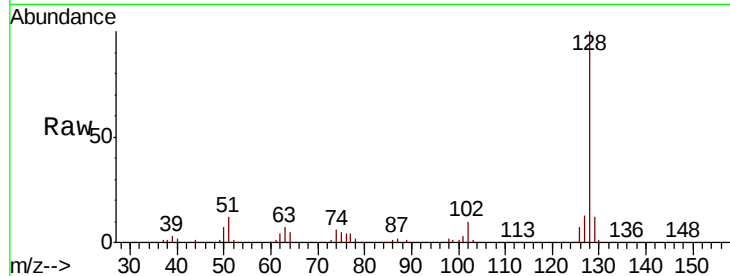




#31
Naphthalene
Concen: 39.254 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

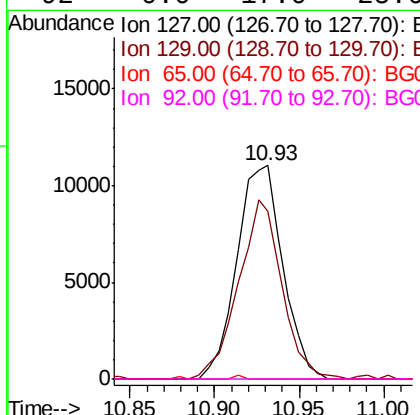
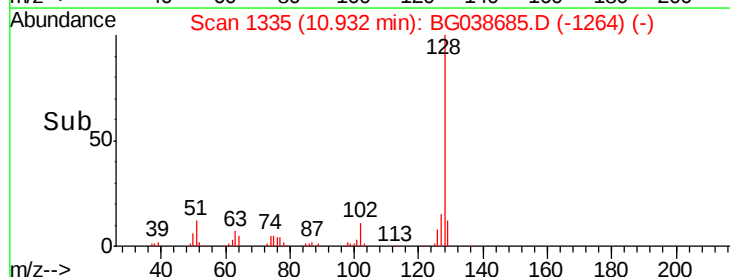
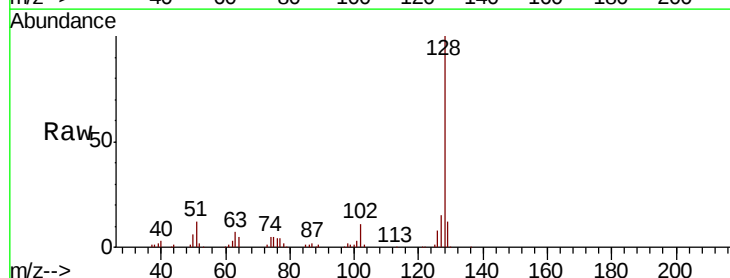
Instrument :
BNA_G
ClientSampled :
TP-3-B

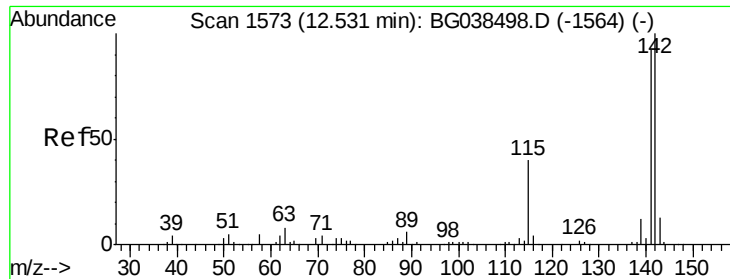
Tgt Ion:128 Resp: 150705
Ion Ratio Lower Upper
128 100
129 11.5 9.5 14.3
127 13.4 10.9 16.3



#33
4-Chloroaniline
Concen: 12.495 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.11 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

Tgt Ion:127 Resp: 20827
Ion Ratio Lower Upper
127 100
129 78.7 25.8 38.8#
65 0.0 27.8 41.6#
92 0.0 17.0 25.6#

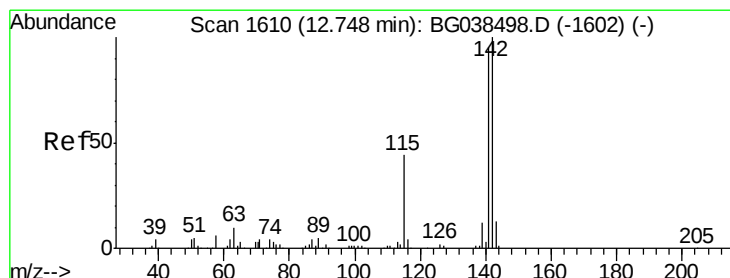
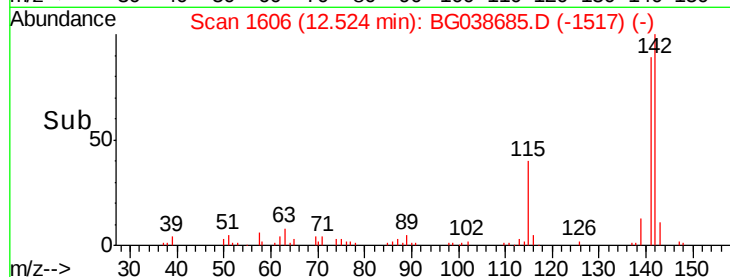
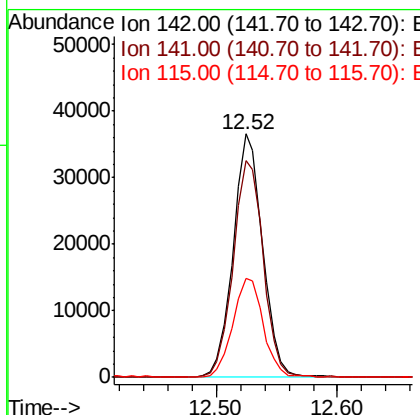
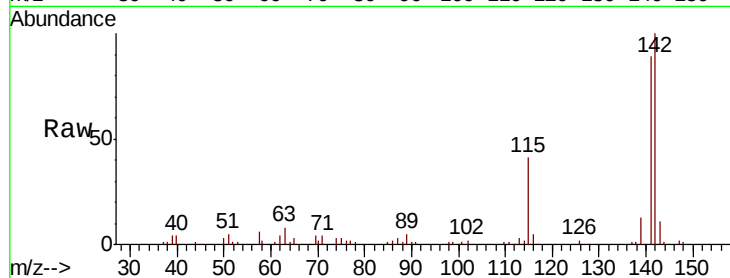




#37
 2-Methylnaphthalene
 Concen: 22.643 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

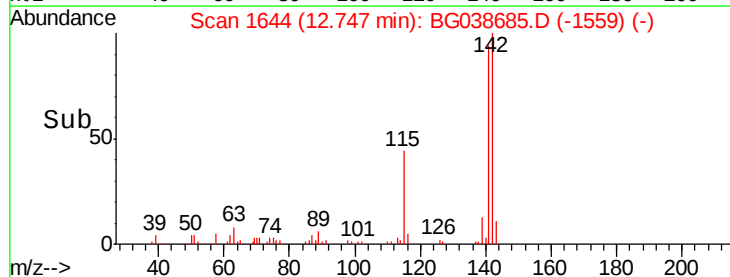
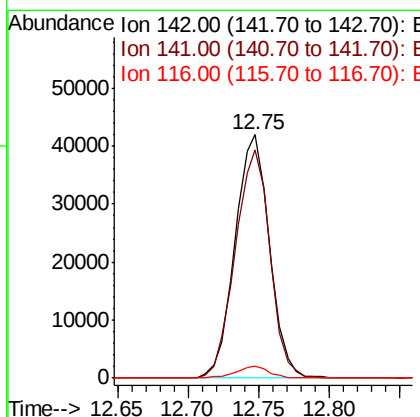
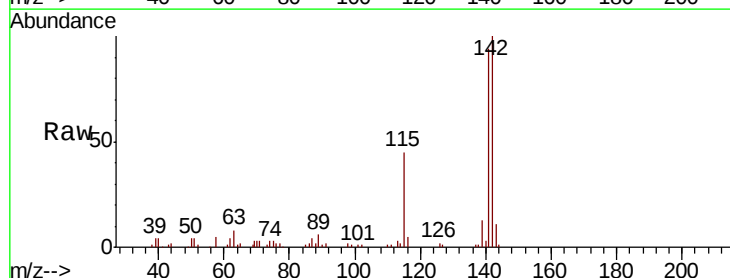
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 BNA_G
 ClientSampleId :
 TP-3-B

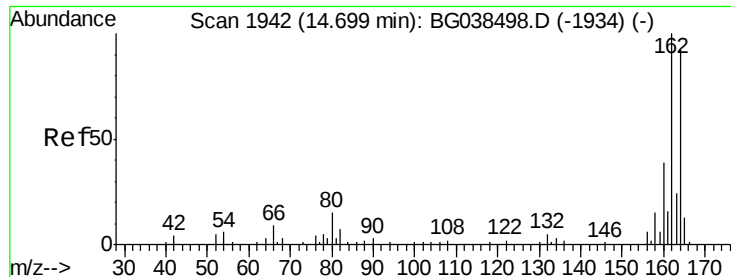
Tgt Ion:142 Resp: 62017
 Ion Ratio Lower Upper
 142 100
 141 88.8 73.5 110.3
 115 40.5 31.7 47.5



#38
 1-Methylnaphthalene
 Concen: 26.881 ng
 RT: 12.75 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

Tgt Ion:142 Resp: 71445
 Ion Ratio Lower Upper
 142 100
 141 93.8 75.8 113.8
 116 4.7 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampleId :

TP-3-B

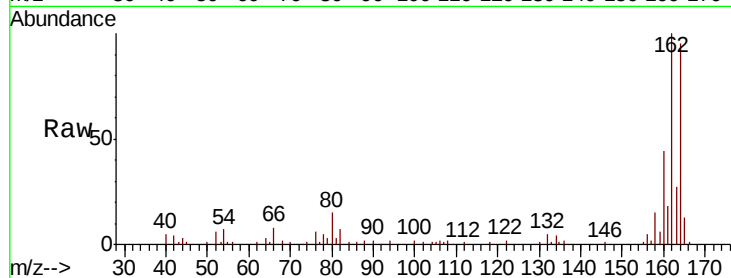
Tgt Ion:164 Resp: 51386

Ion Ratio Lower Upper

164 100

162 104.9 86.6 130.0

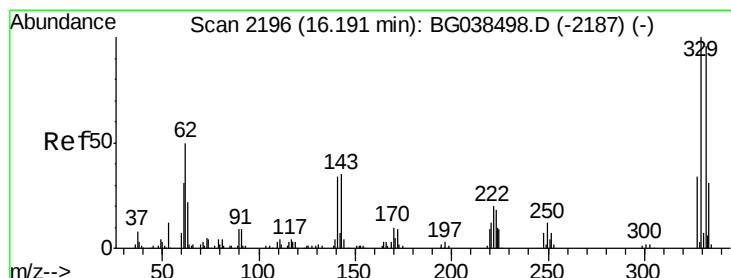
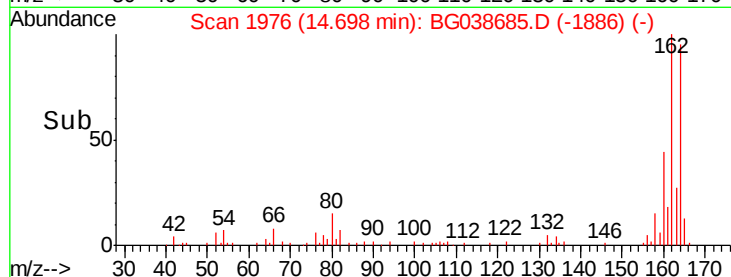
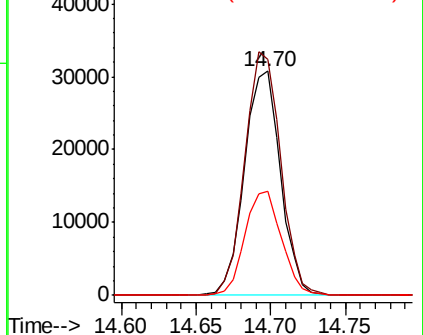
160 46.2 34.2 51.2



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: 164.796 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

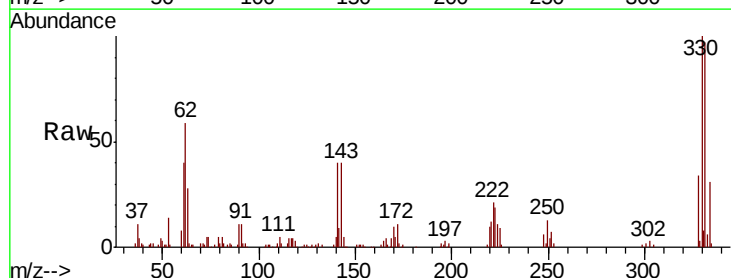
Tgt Ion:330 Resp: 116707

Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

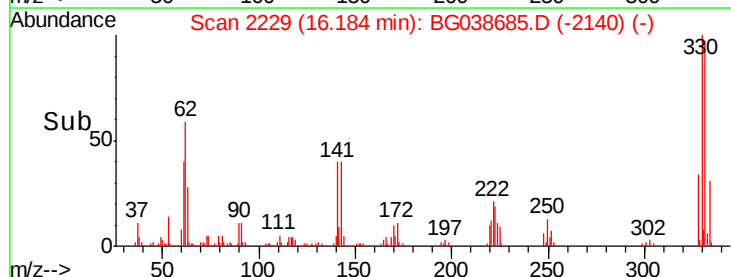
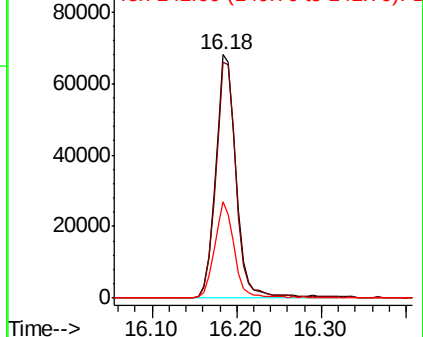
141 37.8 28.8 43.2

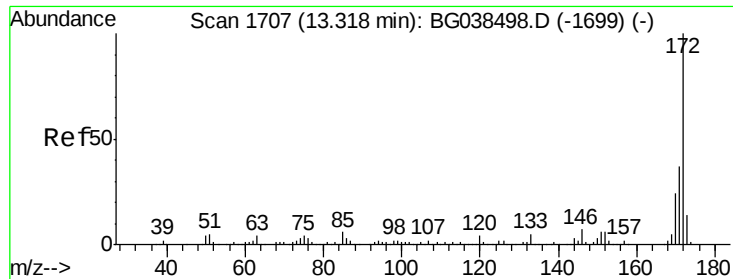


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

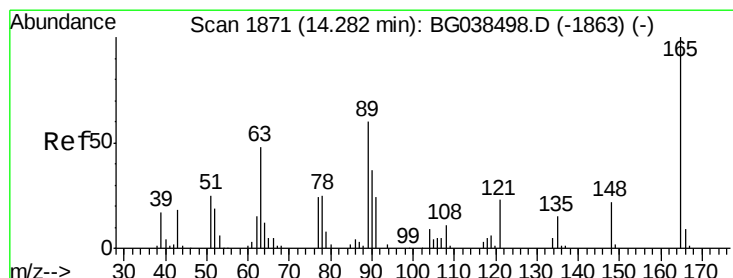
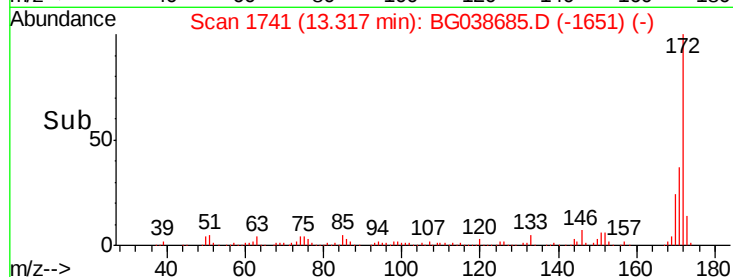
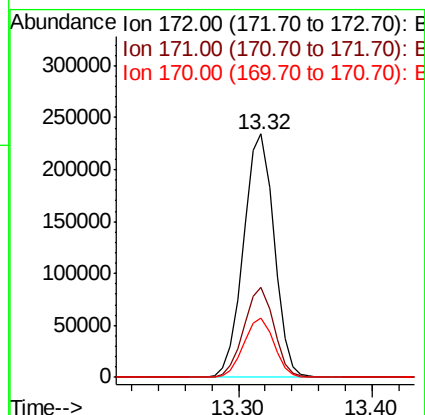
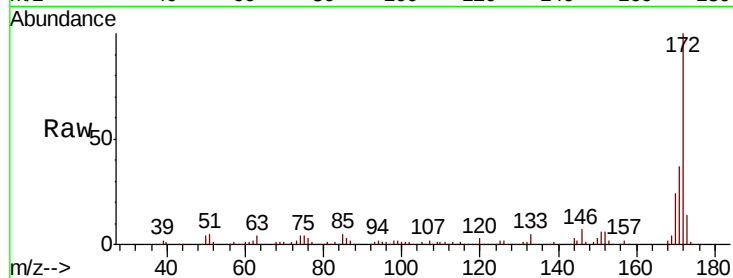




#45
 2-Fluorobiphenyl
 Concen: 98.956 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

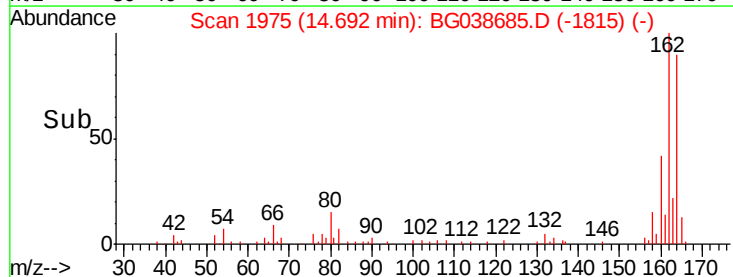
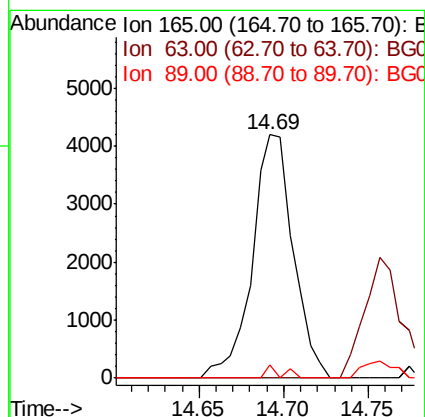
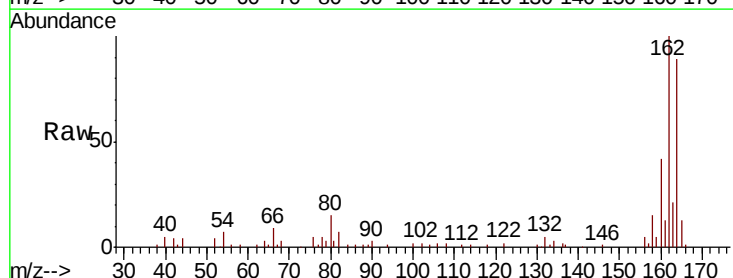
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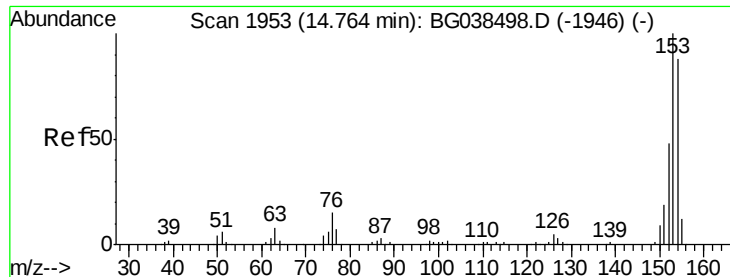
Tgt Ion:172 Resp: 370664
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 24.5 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.418 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

Tgt Ion:165 Resp: 7054
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 5.3 47.9 71.9#





#52

Acenaphthene

Concen: 10.603 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampleId :

TP-3-B

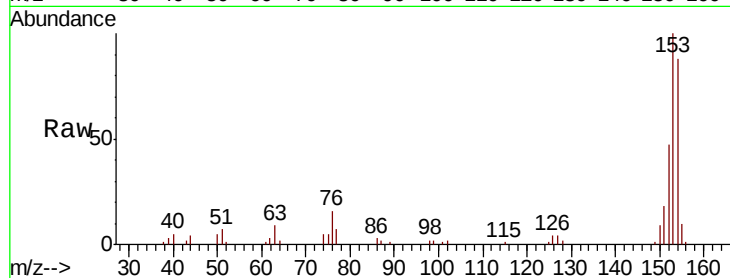
Tgt Ion:154 Resp: 31539

Ion Ratio Lower Upper

154 100

153 113.5 90.6 136.0

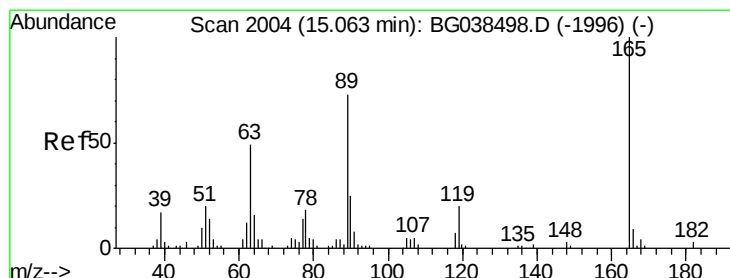
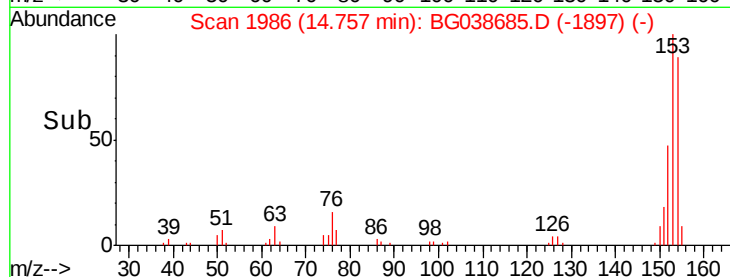
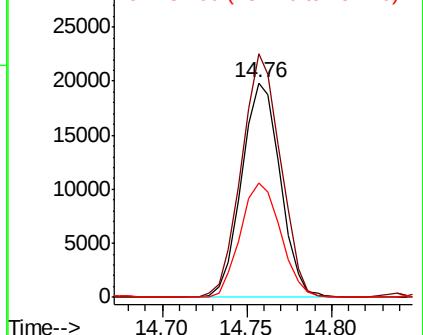
152 53.4 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 5.267 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Tgt Ion:165 Resp: 7054

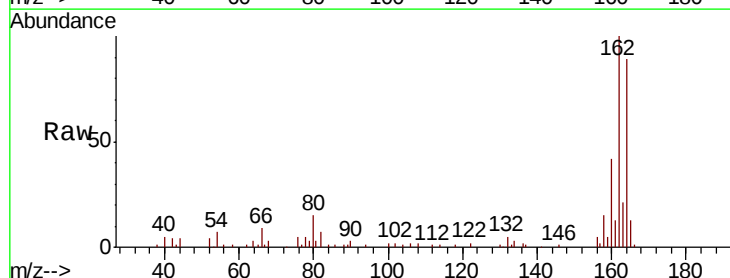
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 5.3 58.0 87.0#

182 0.0 2.3 3.5#

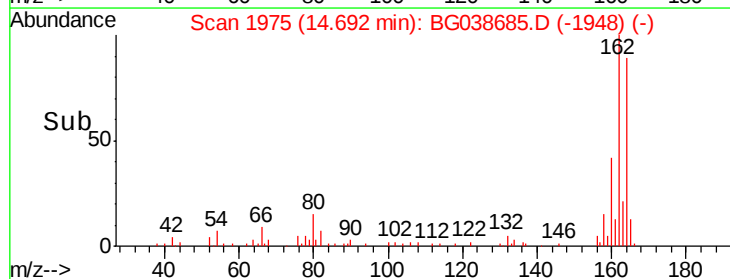
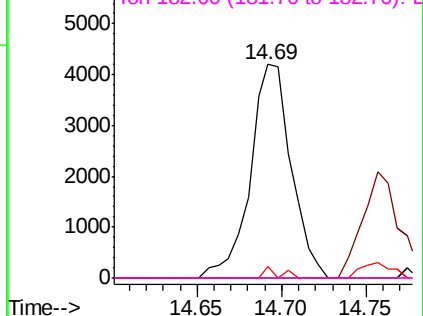


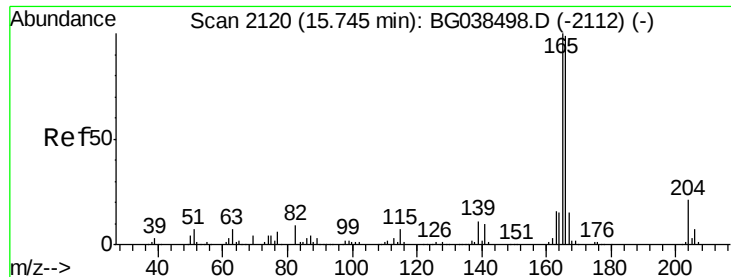
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 2.966 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampleId :

TP-3-B

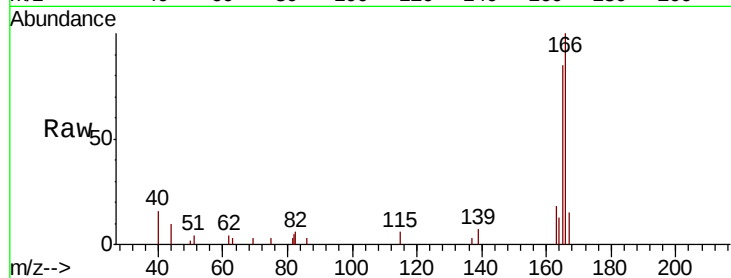
Tgt Ion:166 Resp: 11203

Ion Ratio Lower Upper

166 100

165 85.3 80.6 120.8

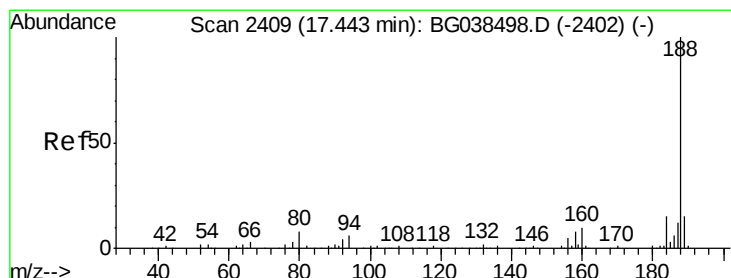
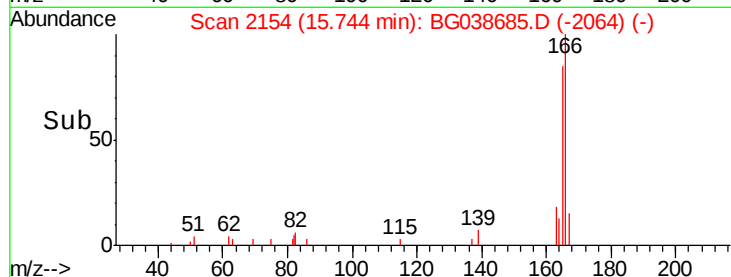
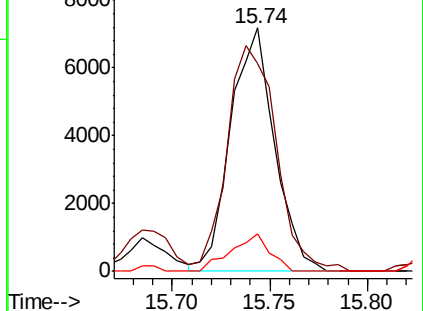
167 15.4 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

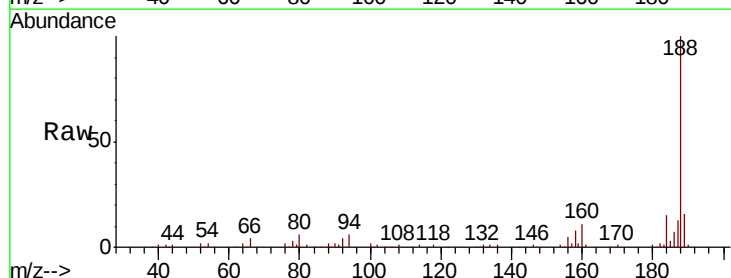
Tgt Ion:188 Resp: 134573

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

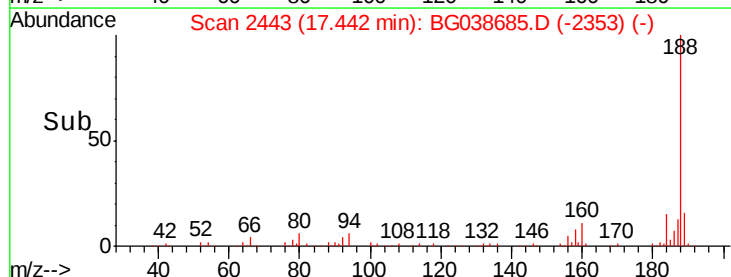
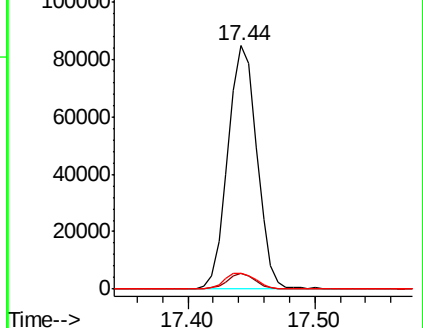
80 6.3 6.1 9.1

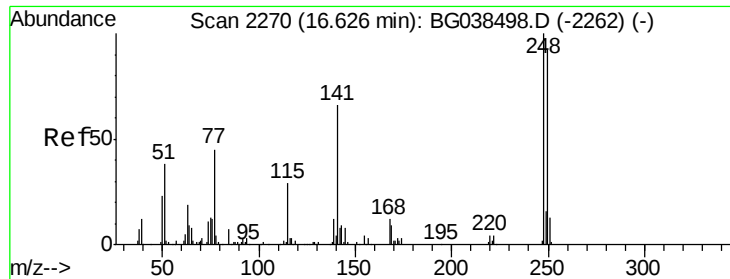


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

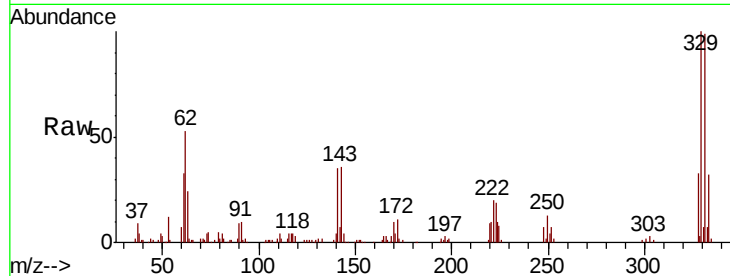




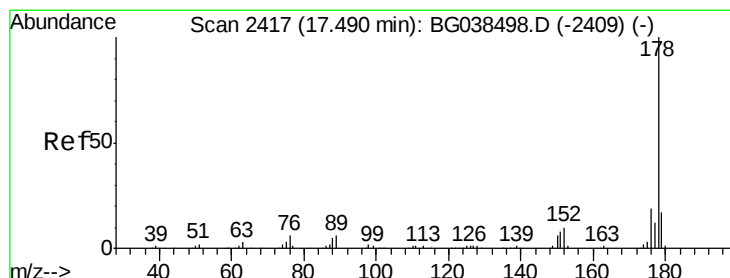
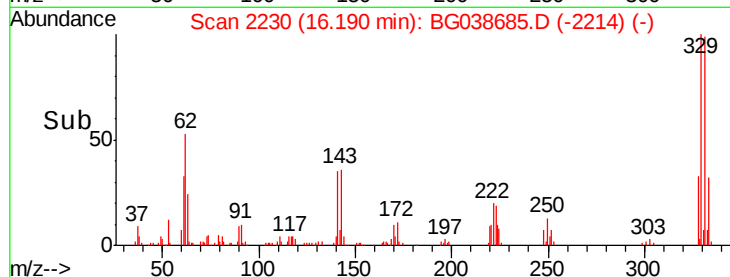
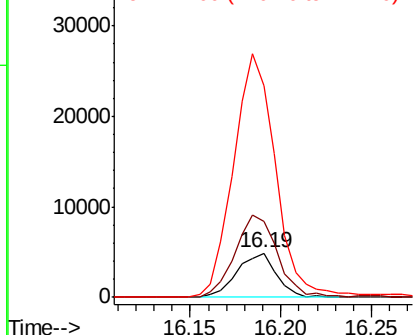
#67
 4-Bromophenyl-phenylether
 Concen: 4.468 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.44 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-B

Tgt Ion:248 Resp: 7343
 Ion Ratio Lower Upper
 248 100
 250 168.3 73.4 110.2#
 141 364.8 52.9 79.3#

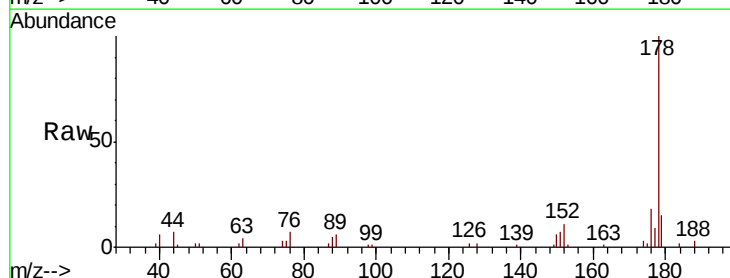


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

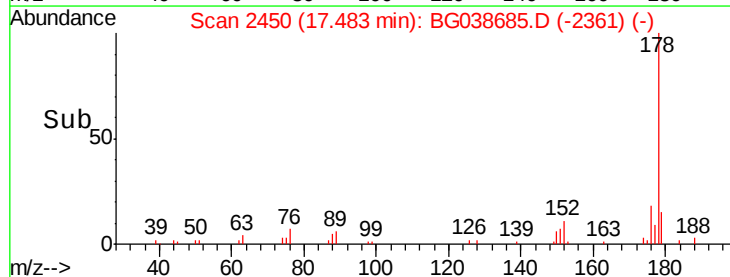
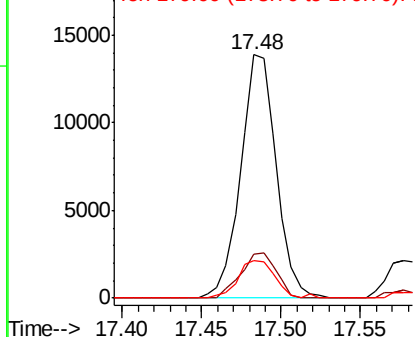


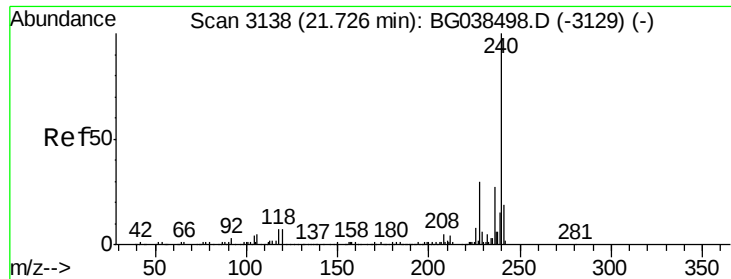
#71
 Phenanthrene
 Concen: 3.092 ng
 RT: 17.48 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BG038685.D
 Acq: 18 Dec 2018 6:13

Tgt Ion:178 Resp: 21579
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.1 22.7
 179 15.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

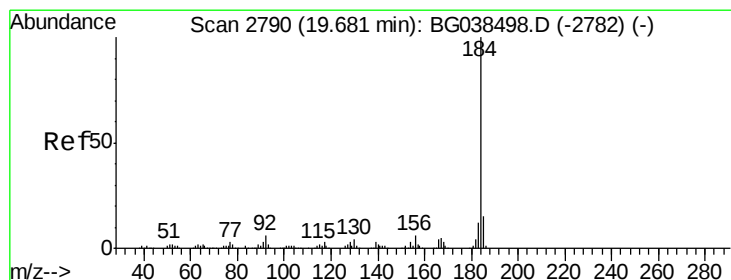
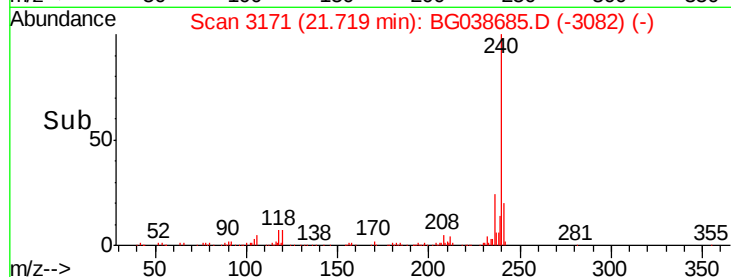
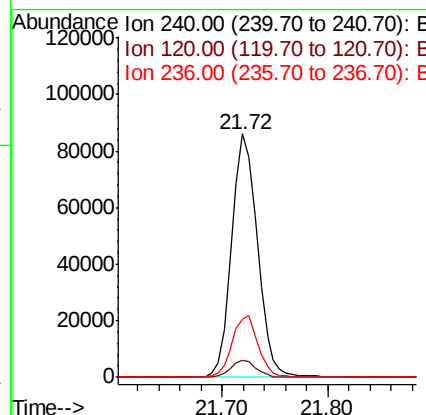
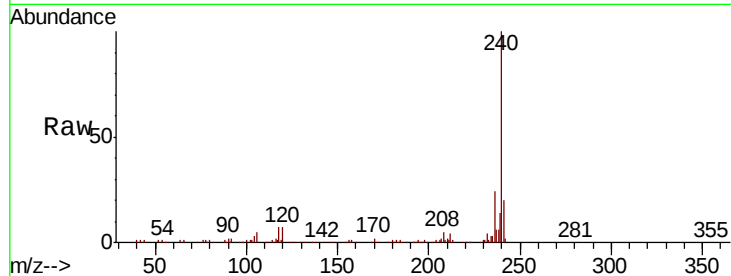




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

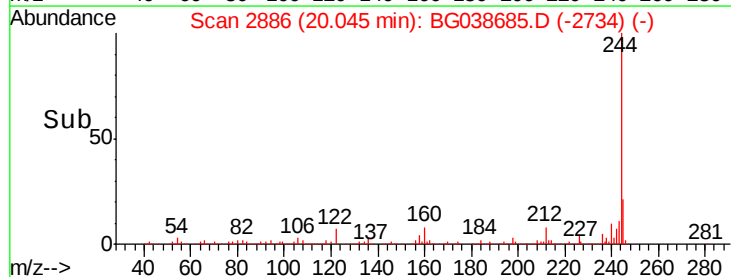
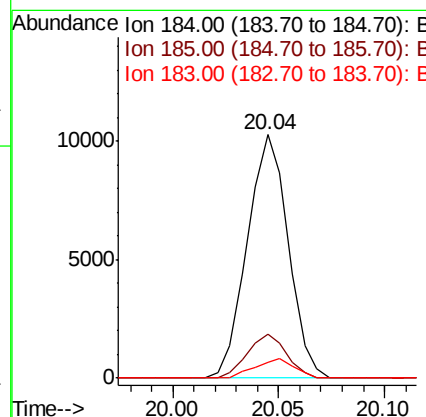
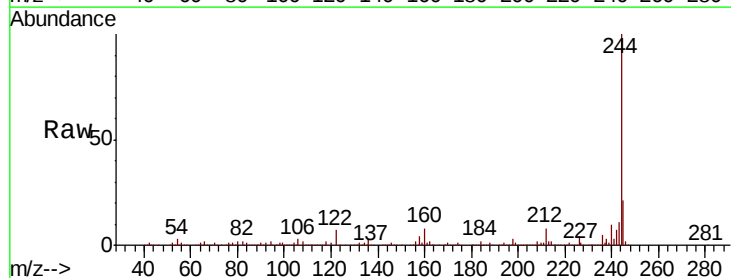
Instrument :
BNA_G
ClientSampleId :
TP-3-B

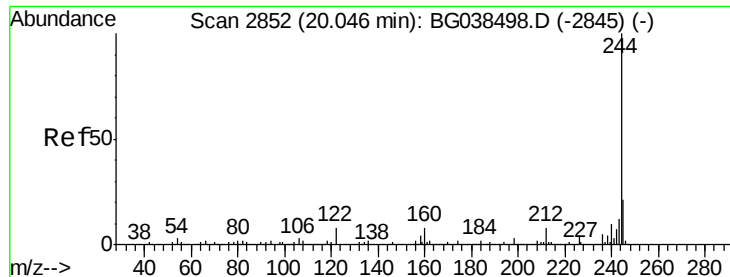
Tgt Ion:240 Resp: 145476
Ion Ratio Lower Upper
240 100
120 7.2 5.3 7.9
236 23.8 21.4 32.2



#77
Benzidine
Concen: 3.203 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038685.D
Acq: 18 Dec 2018 6:13

Tgt Ion:184 Resp: 13781
Ion Ratio Lower Upper
184 100
185 18.0 12.2 18.2
183 6.7 9.6 14.4#





#79

Terphenyl-d14

Concen: 113.019 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038685.D

Acq: 18 Dec 2018 6:13

Instrument :

BNA_G

ClientSampleId :

TP-3-B

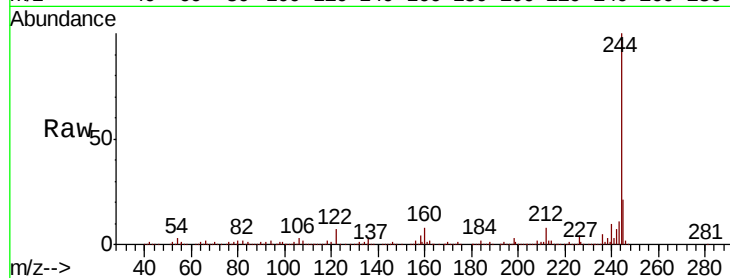
Tgt Ion:244 Resp: 755473

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

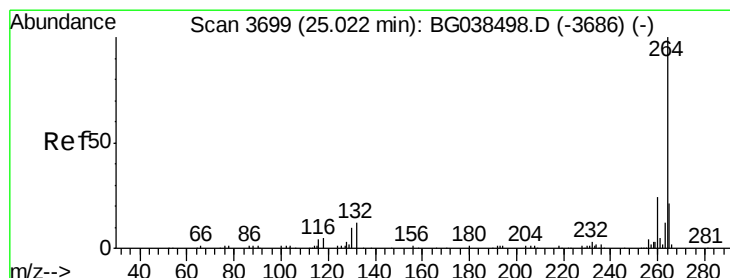
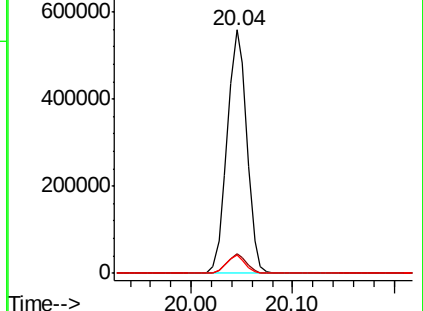
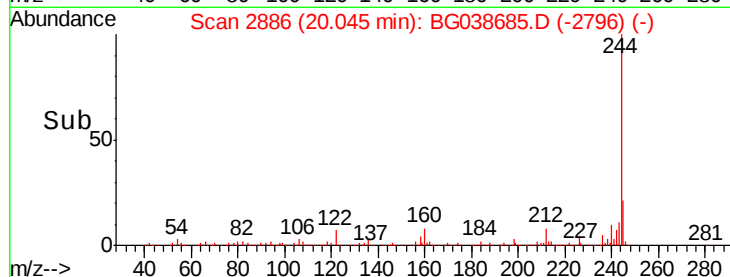
122 7.3 6.3 9.5



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: BG038685.D

Acq: 18 Dec 2018 6:13

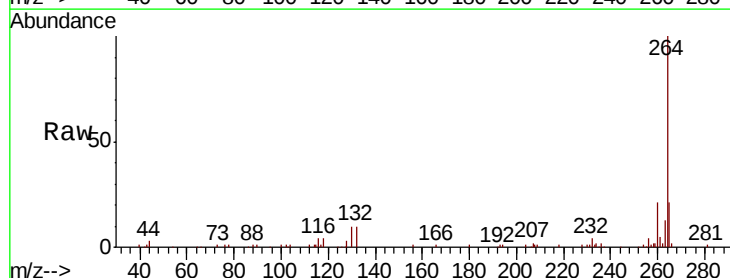
Tgt Ion:264 Resp: 151618

Ion Ratio Lower Upper

264 100

260 21.1 18.9 28.3

265 21.0 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

