

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038686.D
 Acq On : 18 Dec 2018 6:53
 Operator : JU/SJ
 Sample : J6403-28
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-A

Quant Time: Dec 18 07:32:14 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

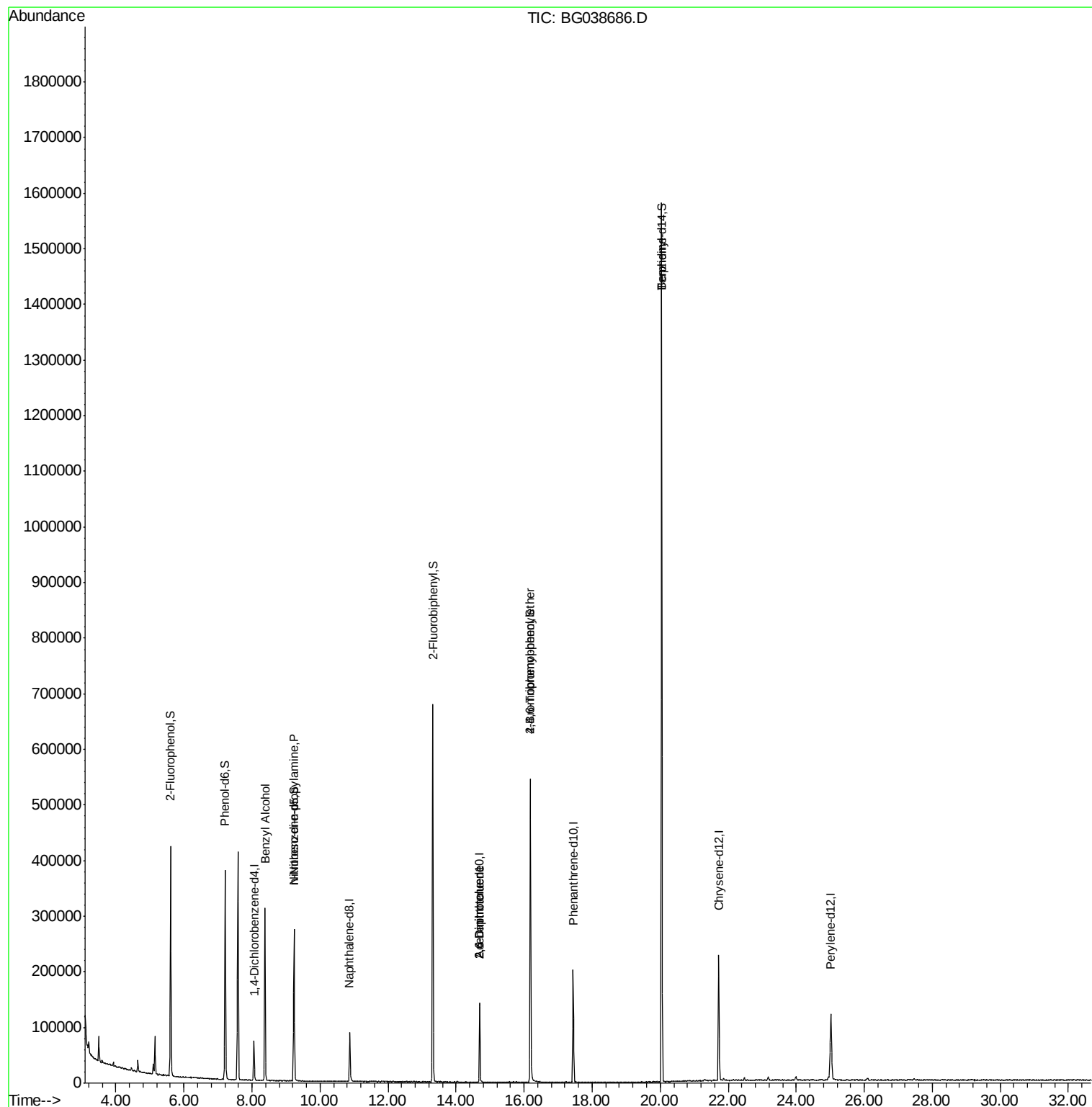
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	20779	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	79388	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	52115	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	135252	20.00	ng	0.00
76) Chrysene-d12	21.72	240	147339	20.00	ng	0.00
87) Perylene-d12	25.02	264	153160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	164676	140.56	ng	0.00
7) Phenol-d6	7.21	99	200937	124.94	ng	0.00
23) Nitrobenzene-d5	9.23	82	158602	102.06	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	112693	156.90	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	372955	98.17	ng	0.00
79) Terphenyl-d14	20.04	244	761717	112.51	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2663	2.121	ng	# 48
19) n-Nitroso-di-n-propylamine	9.23	70	22082	19.549	ng	# 78
51) 2,6-Dinitrotoluene	14.69	165	6223	6.452	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	6223	4.581	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7416	4.490	ng	# 1
77) Benzidine	20.04	184	13212	3.032	ng	97

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

Instrument :

BNA_G

ClientSampleId :

TP-4-A

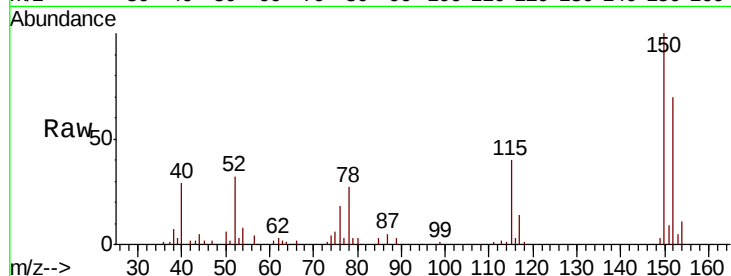
Tgt Ion:152 Resp: 20779

Ion Ratio Lower Upper

152 100

150 142.0 119.5 179.3

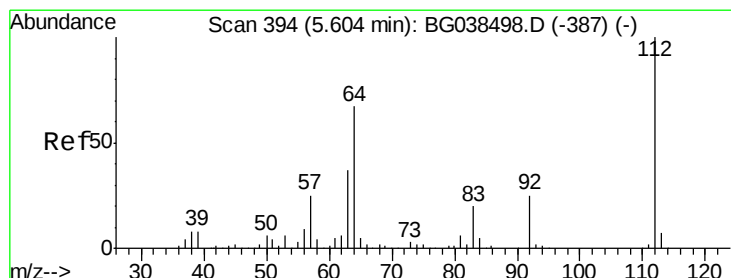
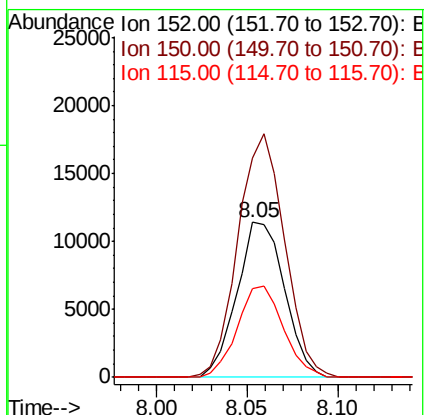
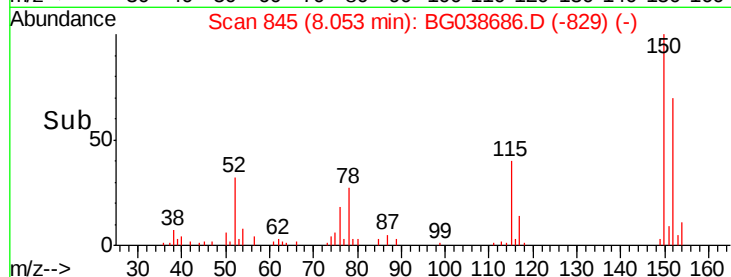
115 57.1 49.6 74.4



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: 140.564 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

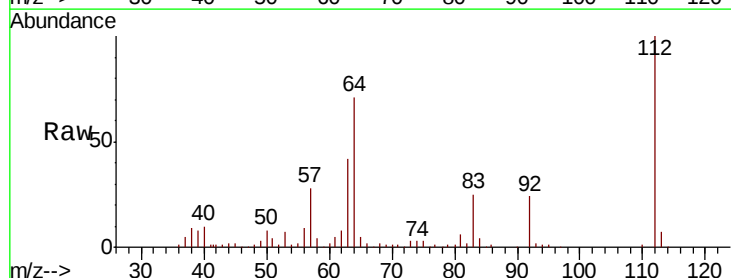
Tgt Ion:112 Resp: 164676

Ion Ratio Lower Upper

112 100

64 71.1 53.4 80.2

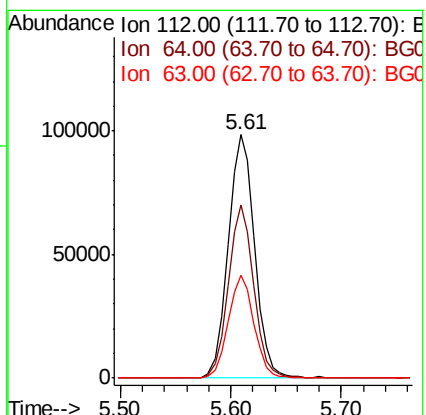
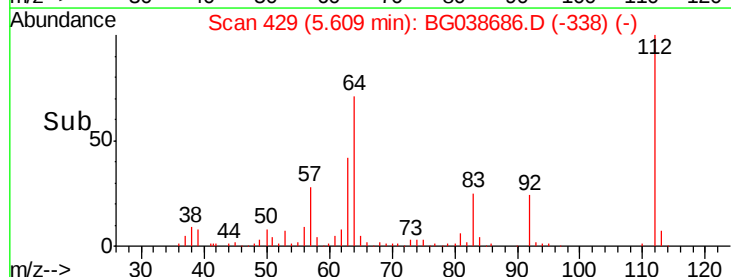
63 42.0 29.3 43.9



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: 124.938 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

Instrument :

BNA_G

ClientSampleId :

TP-4-A

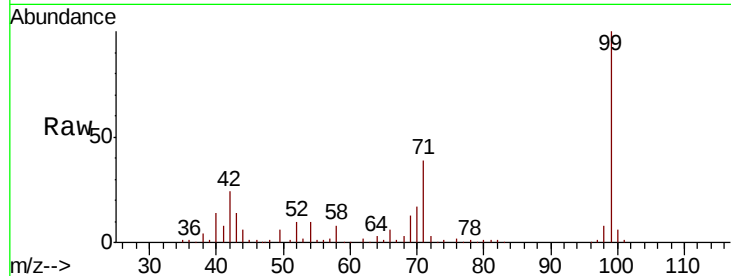
Tgt Ion: 99 Resp: 200937

Ion Ratio Lower Upper

99 100

42 24.3 18.5 27.7

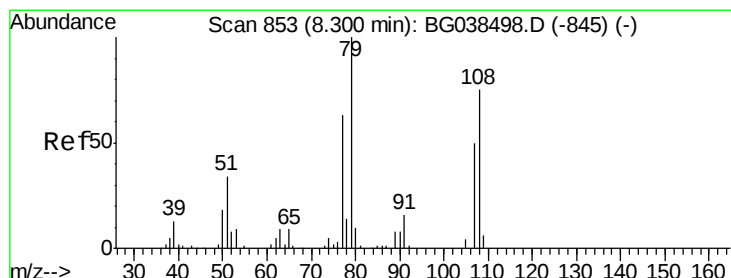
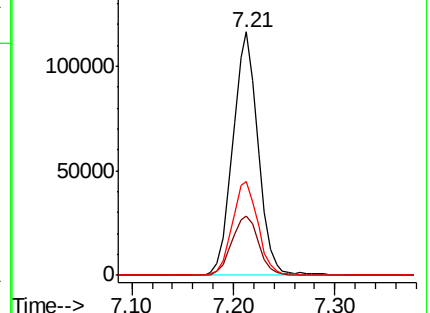
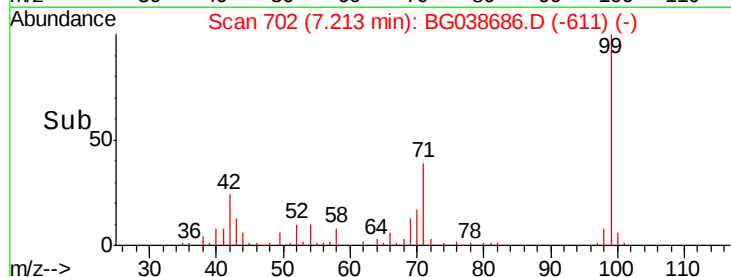
71 38.6 31.1 46.7



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



#15

Benzyl Alcohol

Concen: 2.121 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

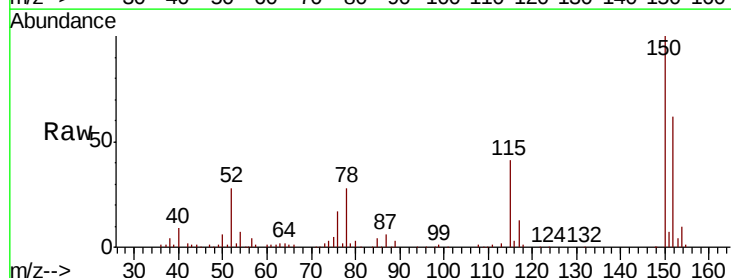
Tgt Ion: 79 Resp: 2663

Ion Ratio Lower Upper

79 100

108 37.8 60.2 90.4#

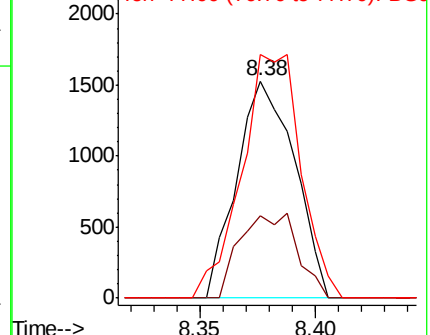
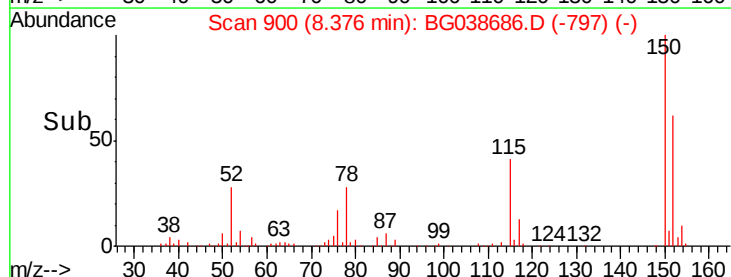
77 112.1 50.7 76.1#

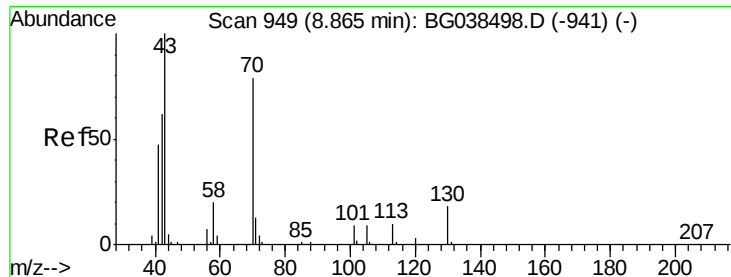


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

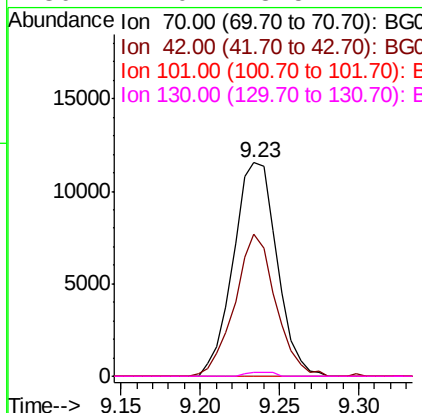
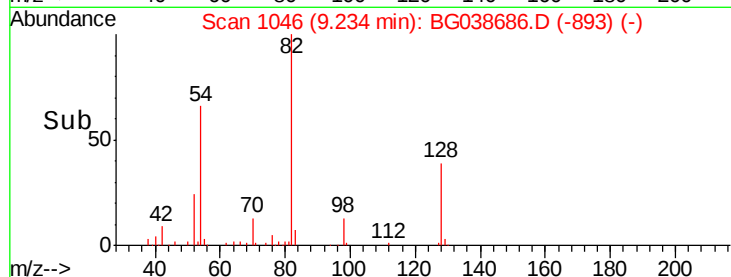
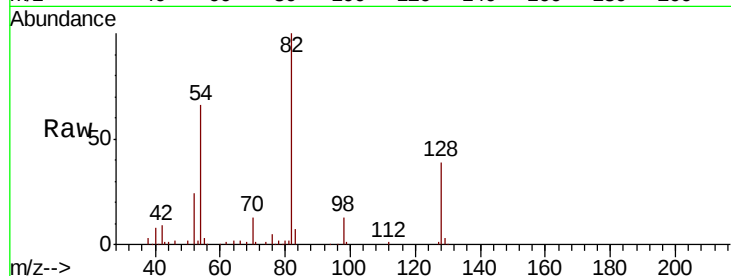




#19
n-Nitroso-di-n-propylamine
Concen: 19.549 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

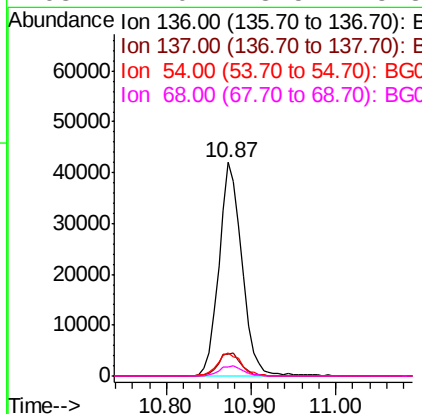
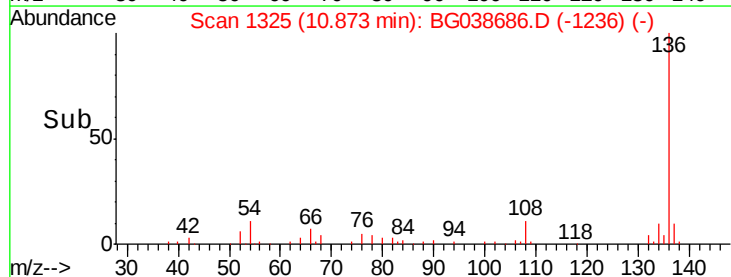
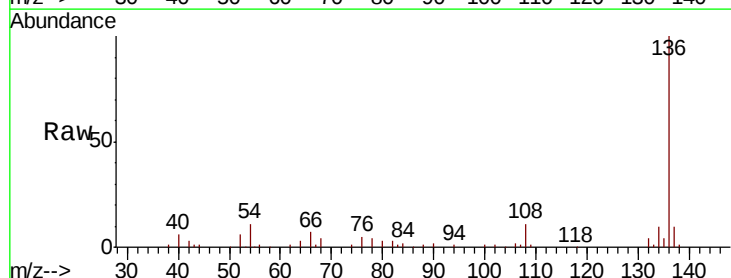
Instrument :
BNA_G
ClientSampleId :
TP-4-A

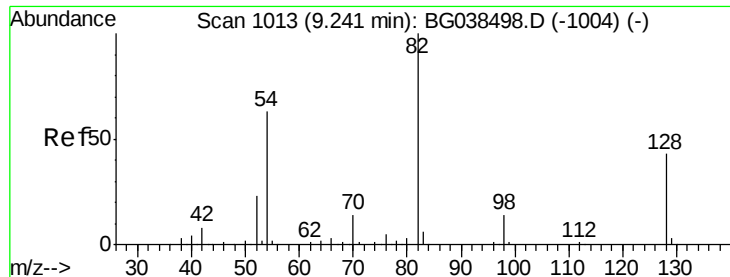
Tgt Ion: 70 Resp: 22082
Ion Ratio Lower Upper
70 100
42 66.3 63.6 95.4
101 0.0 9.2 13.8#
130 2.0 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

Tgt Ion: 136 Resp: 79388
Ion Ratio Lower Upper
136 100
137 10.3 9.3 13.9
54 10.5 8.5 12.7
68 4.0 3.5 5.3

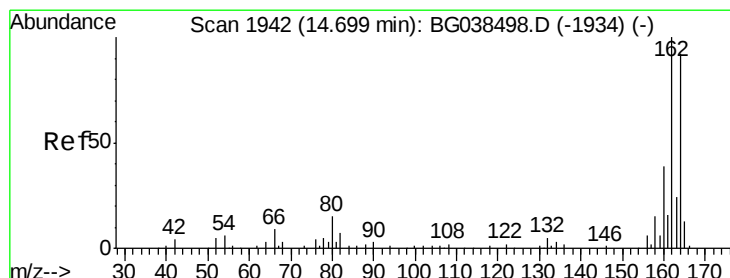
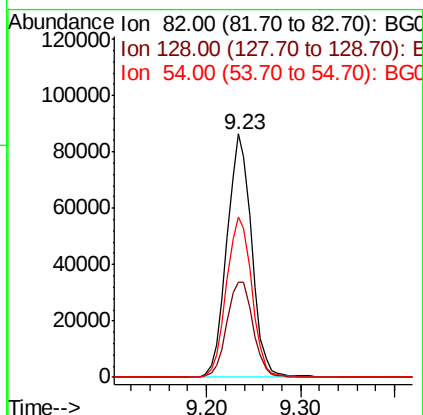
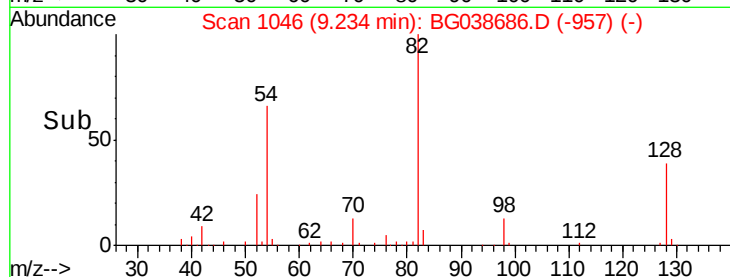
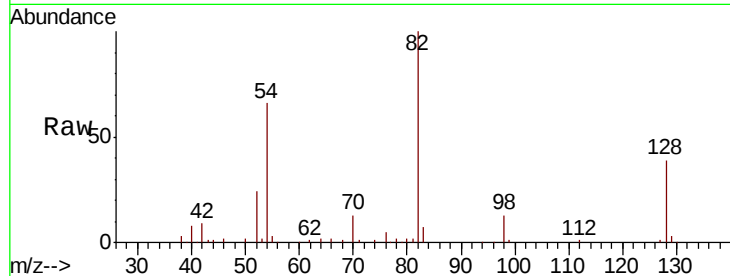




#23
 Nitrobenzene-d5
 Concen: 102.062 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038686.D
 Acq: 18 Dec 2018 6:53

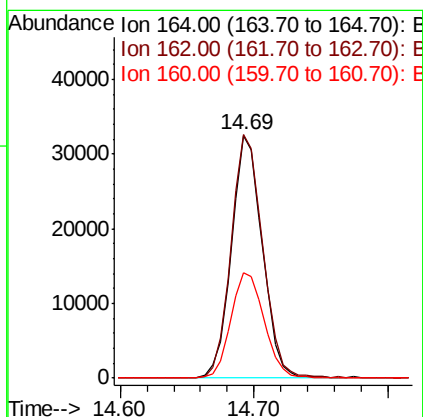
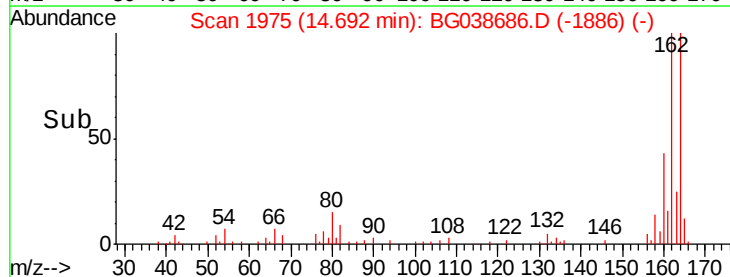
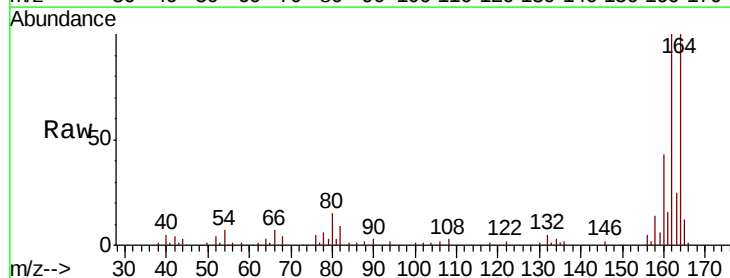
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-A

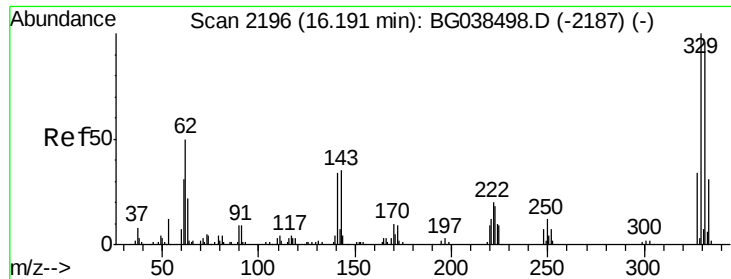
Tgt Ion: 82 Resp: 158602
 Ion Ratio Lower Upper
 82 100
 128 39.1 34.6 52.0
 54 65.9 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038686.D
 Acq: 18 Dec 2018 6:53

Tgt Ion: 164 Resp: 52115
 Ion Ratio Lower Upper
 164 100
 162 100.4 86.6 130.0
 160 43.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 156.902 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

Instrument :

BNA_G

ClientSampleId :

TP-4-A

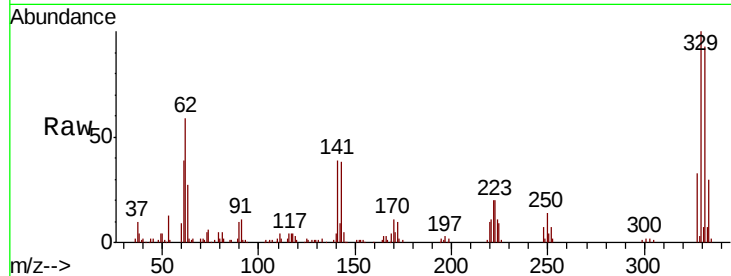
Tgt Ion:330 Resp: 112693

Ion Ratio Lower Upper

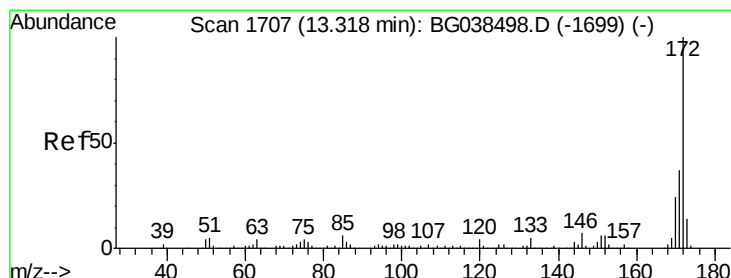
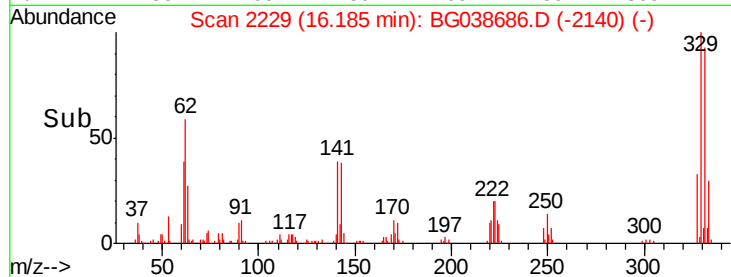
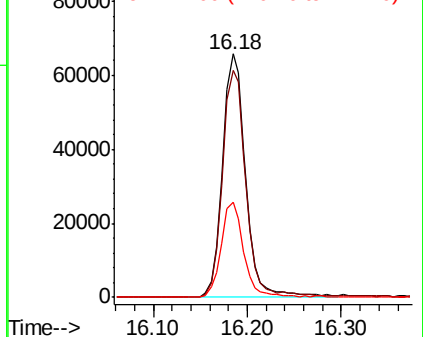
330 100

332 94.4 76.9 115.3

141 38.2 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: 98.175 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

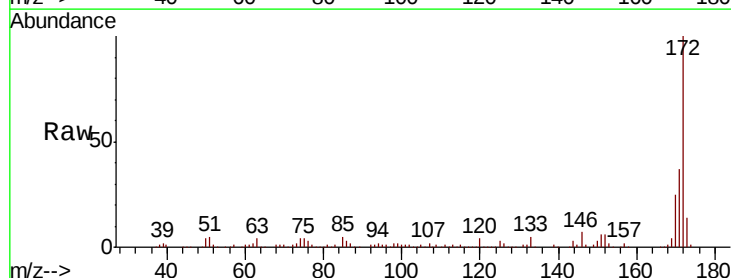
Tgt Ion:172 Resp: 372955

Ion Ratio Lower Upper

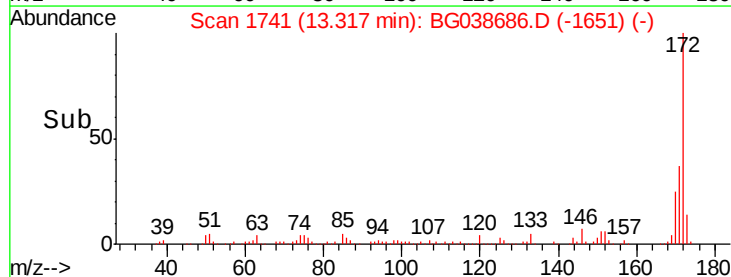
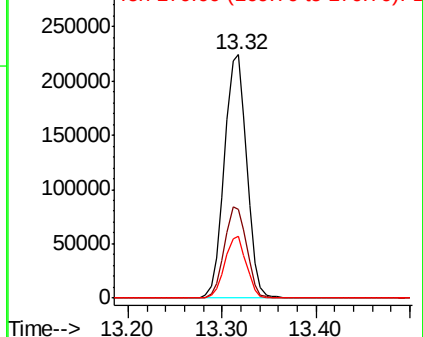
172 100

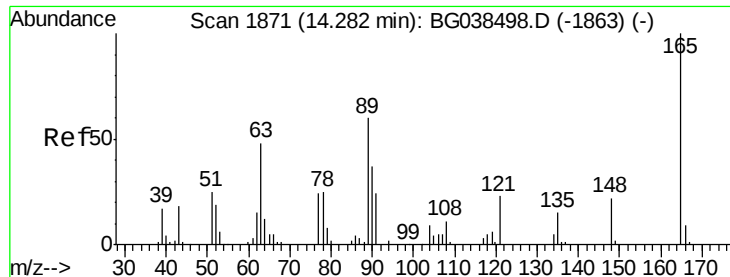
171 36.7 29.8 44.6

170 25.4 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

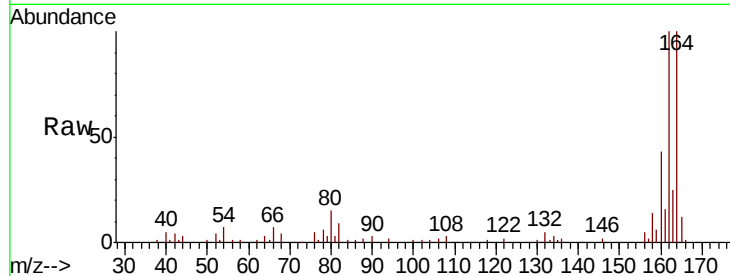




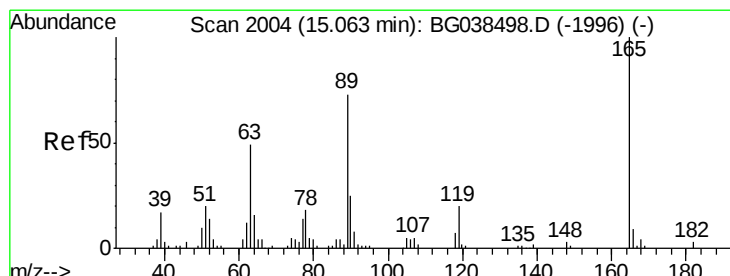
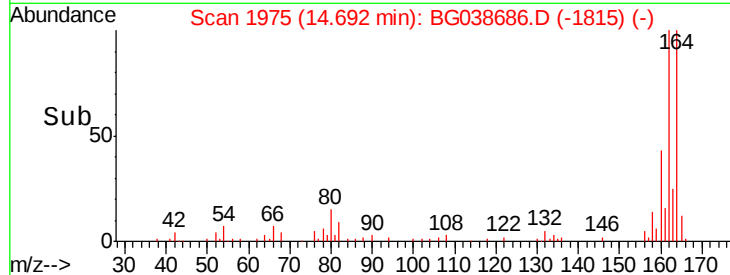
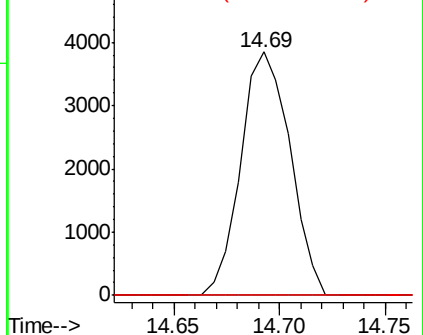
#51
 2,6-Dinitrotoluene
 Concen: 6.452 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038686.D
 Acq: 18 Dec 2018 6:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-A

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



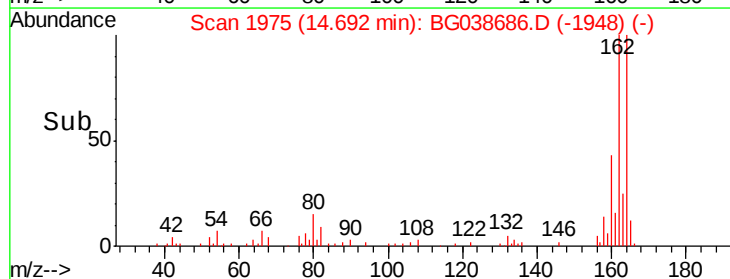
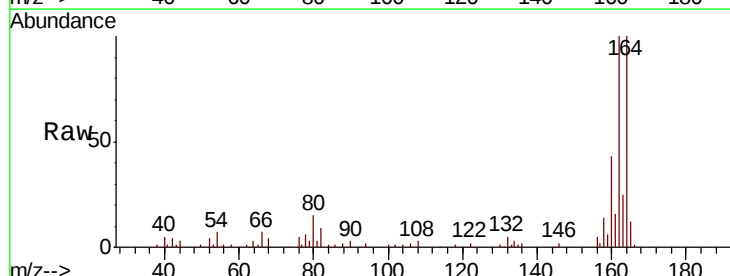
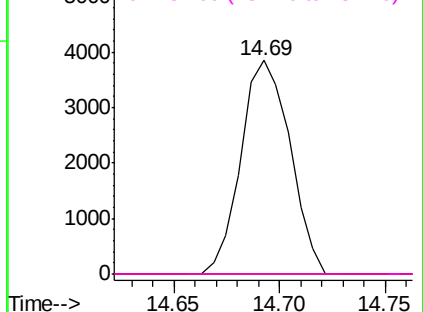
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

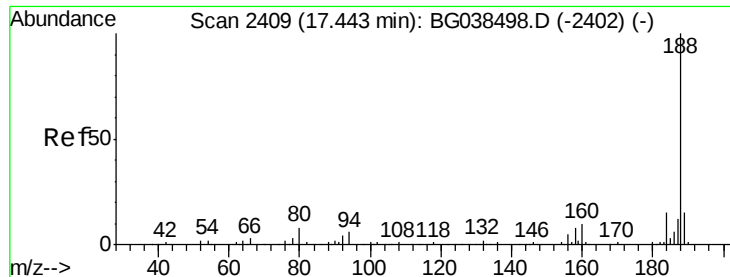


#57
 2,4-Dinitrotoluene
 Concen: 4.581 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038686.D
 Acq: 18 Dec 2018 6:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	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

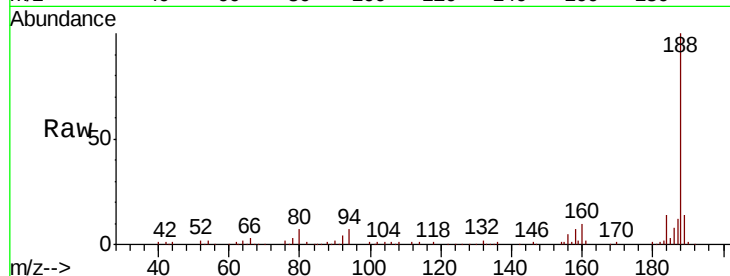




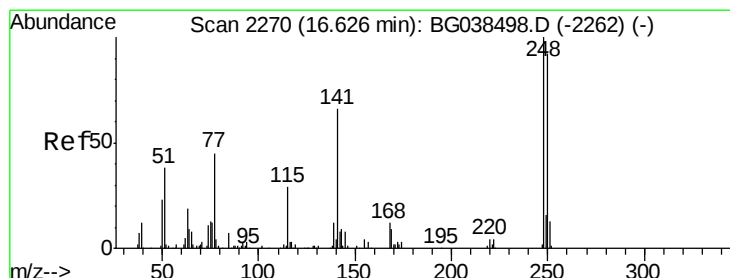
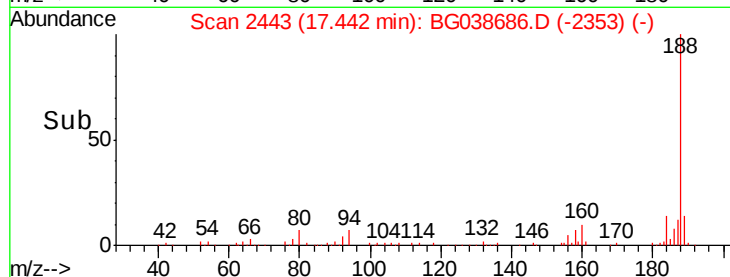
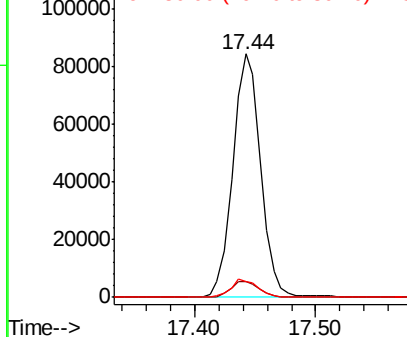
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

Instrument :
BNA_G
ClientSampled :
TP-4-A

Tgt Ion:188 Resp: 135252
Ion Ratio Lower Upper
188 100
94 6.6 5.1 7.7
80 6.7 6.1 9.1

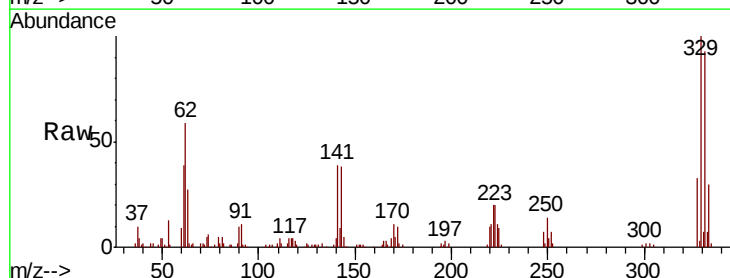


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

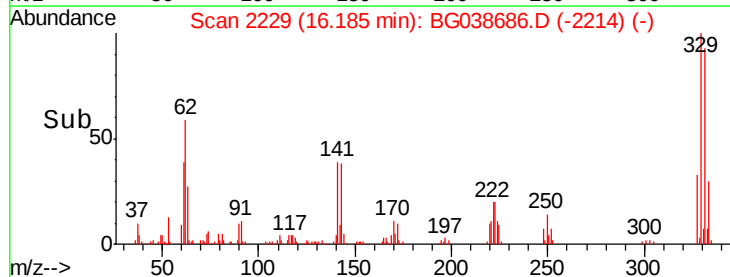
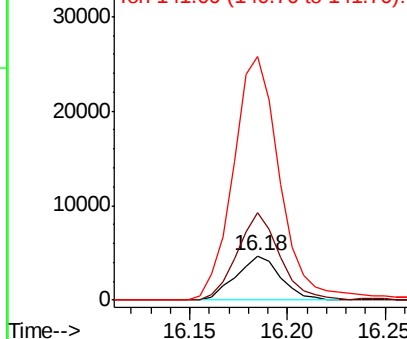


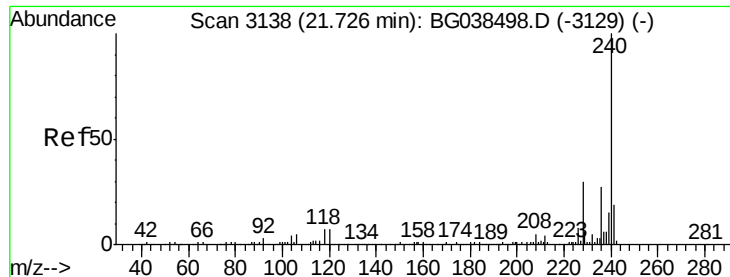
#67
4-Bromophenyl-phenylether
Concen: 4.490 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

Tgt Ion:248 Resp: 7416
Ion Ratio Lower Upper
248 100
250 200.9 73.4 110.2#
141 424.8 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

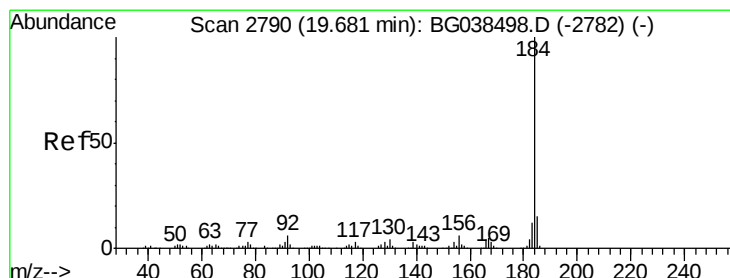
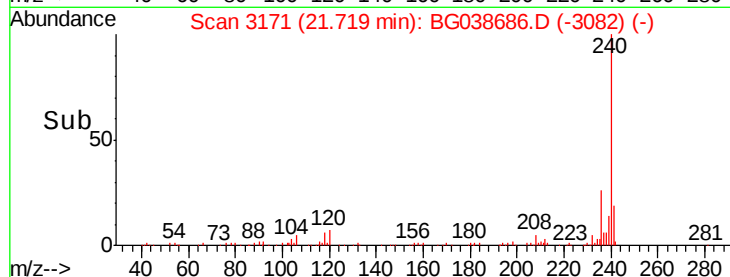
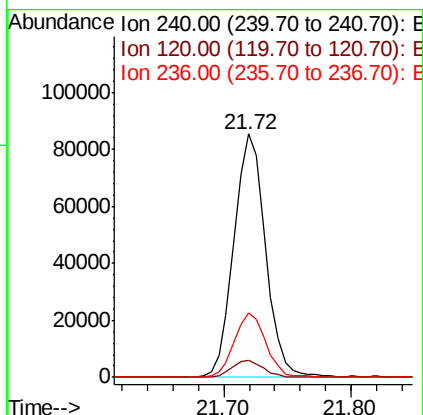
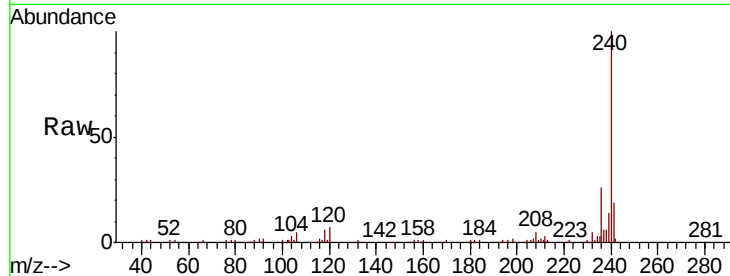




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

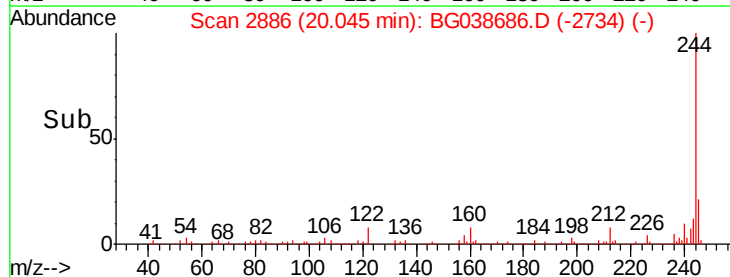
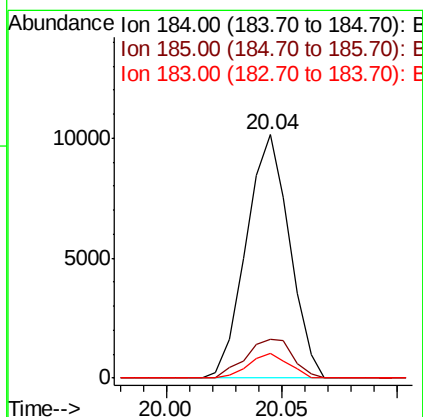
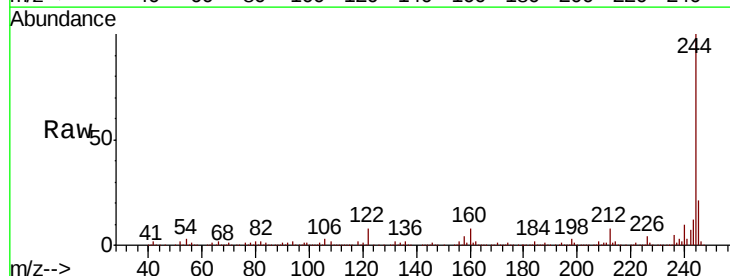
Instrument :
BNA_G
ClientSampled :
TP-4-A

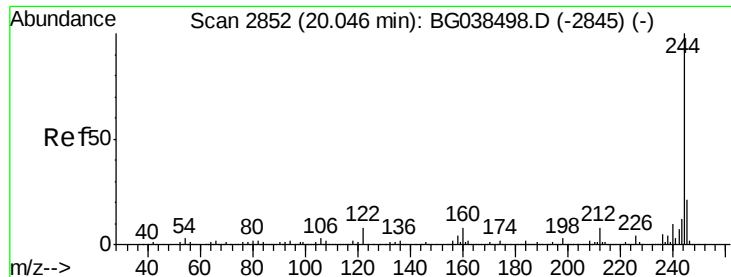
Tgt Ion:240 Resp: 147339
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 26.5 21.4 32.2



#77
Benzidine
Concen: 3.032 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038686.D
Acq: 18 Dec 2018 6:53

Tgt Ion:184 Resp: 13212
Ion Ratio Lower Upper
184 100
185 16.1 12.2 18.2
183 10.0 9.6 14.4





#79

Terphenyl-d14

Concen: 112.513 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

Instrument :

BNA_G

ClientSampleId :

TP-4-A

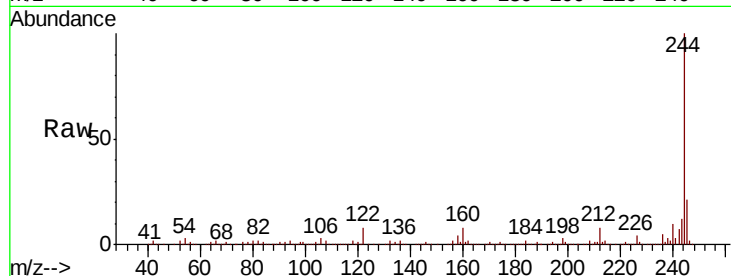
Tgt Ion:244 Resp: 761717

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

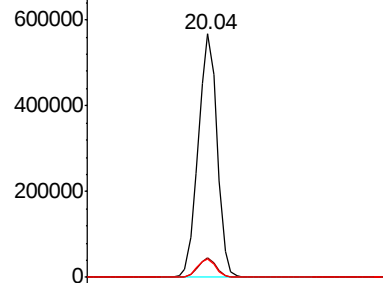
122 7.6 6.3 9.5



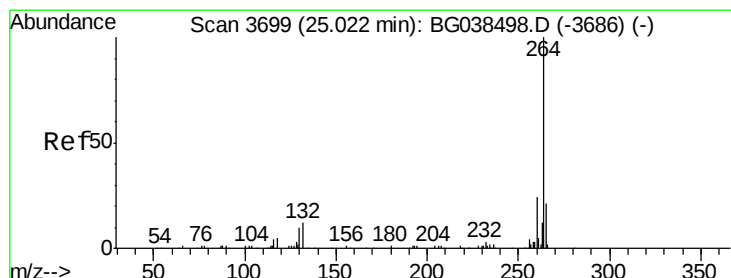
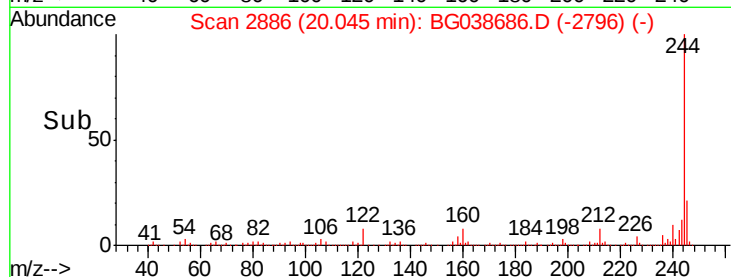
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038686.D

Acq: 18 Dec 2018 6:53

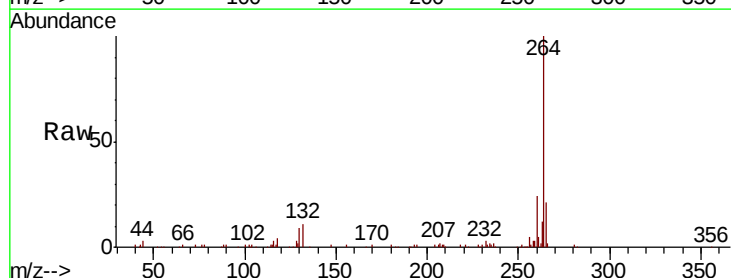
Tgt Ion:264 Resp: 153160

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

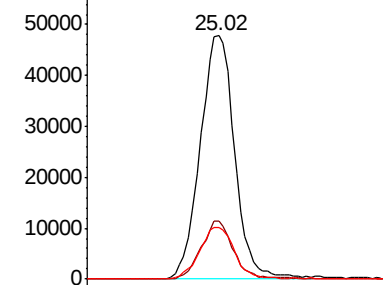
265 21.2 17.0 25.4



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



Time-->

