

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038585.D
 Acq On : 15 Dec 2018 2:22
 Operator : JU/SJ
 Sample : PB115532BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115532BL

Quant Time: Dec 15 03:14:04 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	22761	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	87418	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	57518	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	148047	20.00	ng	0.00
76) Chrysene-d12	21.72	240	163996	20.00	ng	0.00
87) Perylene-d12	25.01	264	170120	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	143163	111.56	ng	0.00
7) Phenol-d6	7.21	99	188742	107.14	ng	0.00
23) Nitrobenzene-d5	9.23	82	121928	71.25	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	78782	99.38	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	296419	70.70	ng	0.00
79) Terphenyl-d14	20.04	244	587174	77.92	ng	0.00

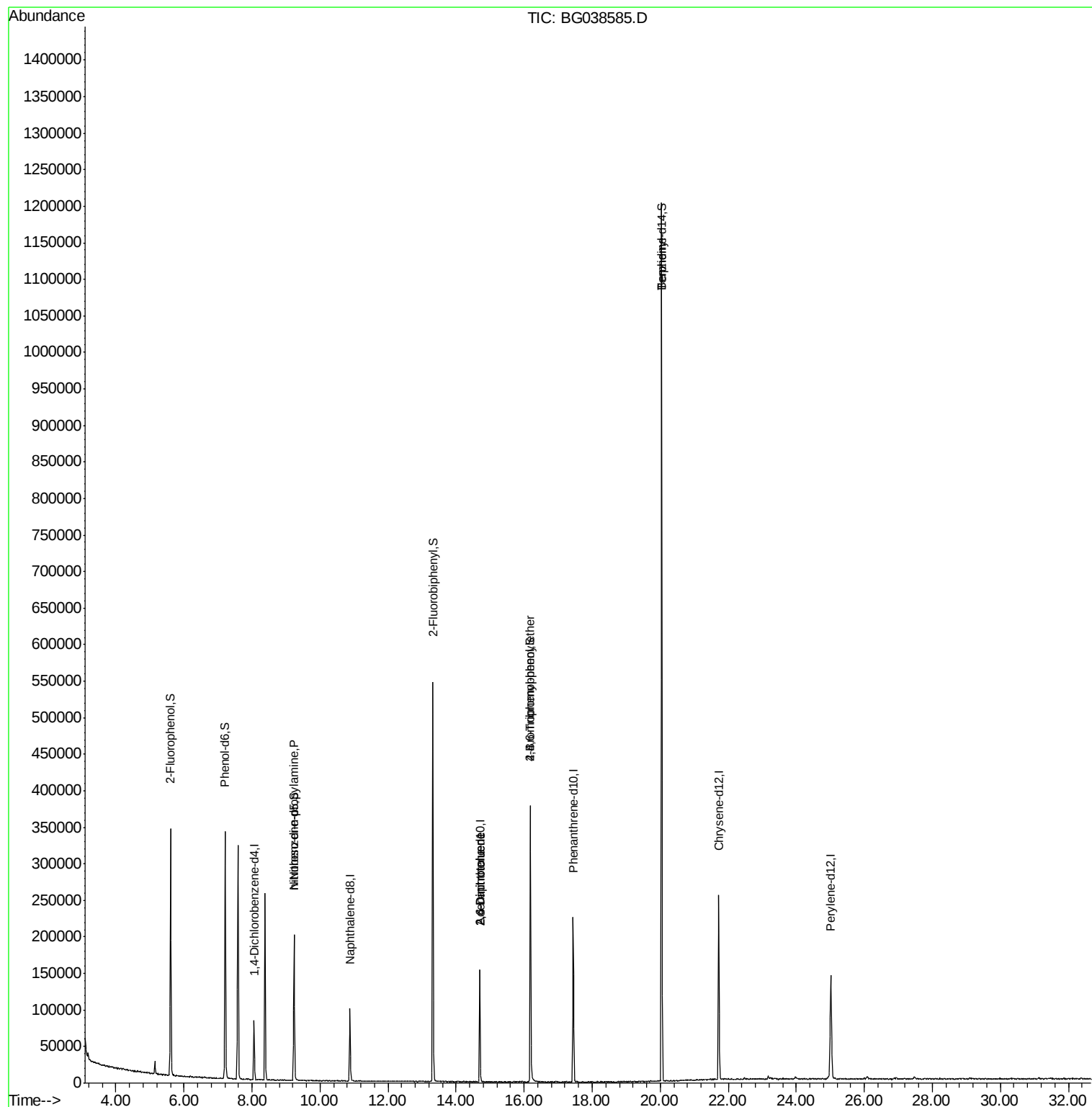
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.24	70	16154	13.056	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	7399	6.951	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7399	4.935	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	4656	2.575	ng	# 1
77) Benzidine	20.04	184	9933	2.048	ng	97

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

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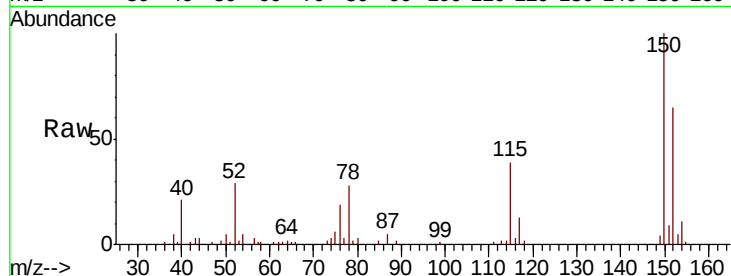




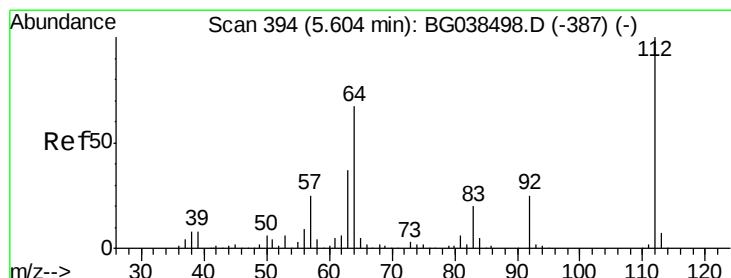
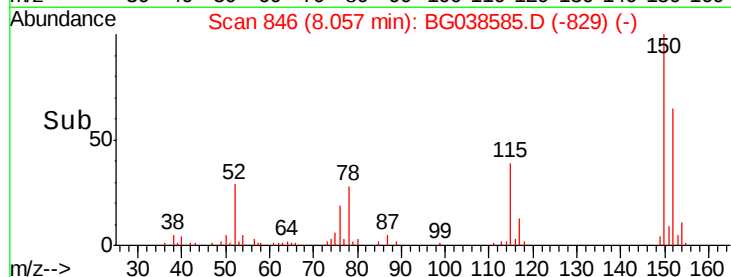
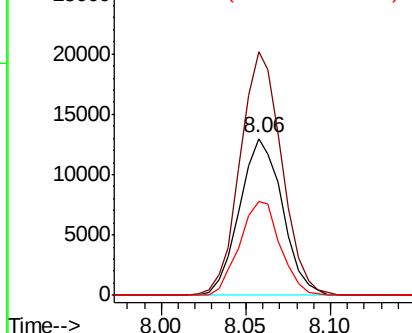
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038585.D
 Acq: 15 Dec 2018 2:22

Instrument :
 BNA_G
 ClientSampleId :
 PB115532BL

Tgt Ion:152 Resp: 22761
 Ion Ratio Lower Upper
 152 100
 150 155.0 119.5 179.3
 115 60.0 49.6 74.4

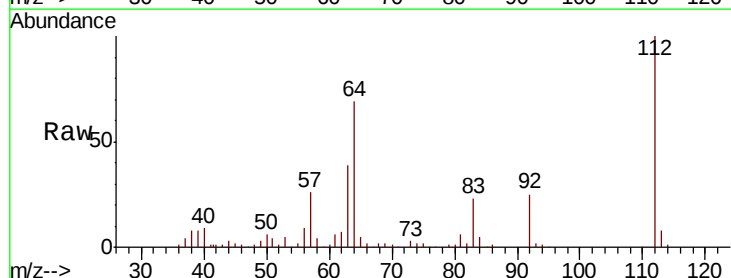


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

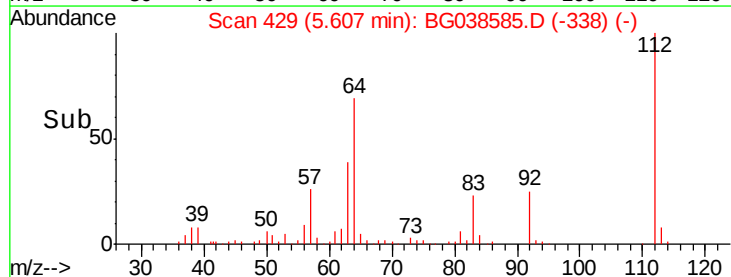
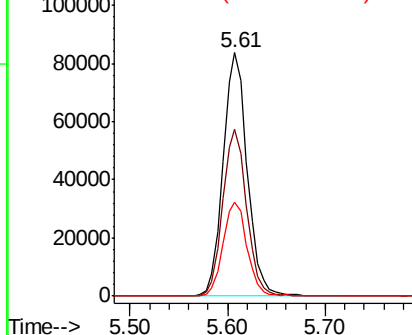


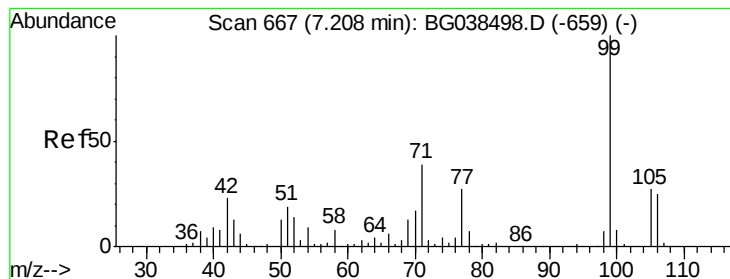
#5
 2-Fluorophenol
 Concen: 111.560 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BG038585.D
 Acq: 15 Dec 2018 2:22

Tgt Ion:112 Resp: 143163
 Ion Ratio Lower Upper
 112 100
 64 68.6 53.4 80.2
 63 38.8 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: 107.136 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

Instrument :

BNA_G

ClientSampleId :

PB115532BL

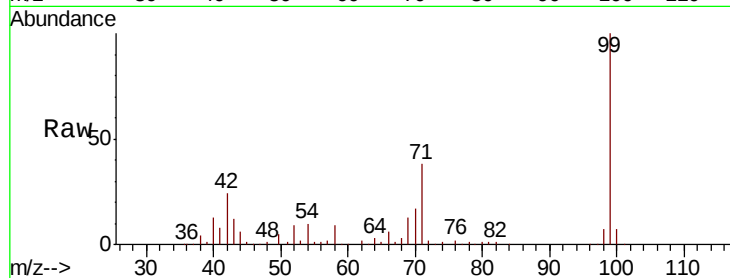
Tgt Ion: 99 Resp: 188742

Ion Ratio Lower Upper

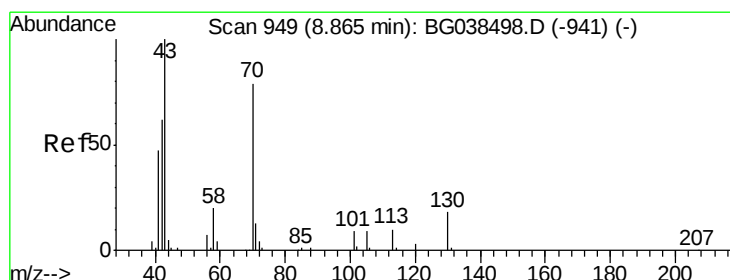
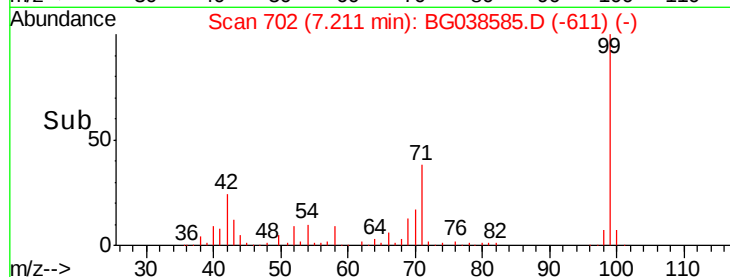
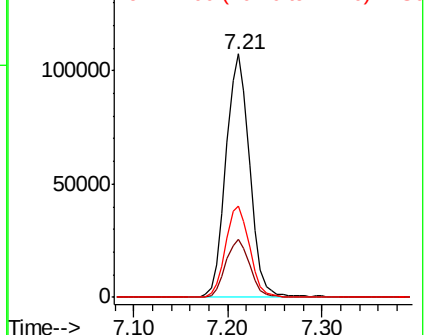
99 100

42 23.9 18.5 27.7

71 37.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.056 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

Tgt Ion: 70 Resp: 16154

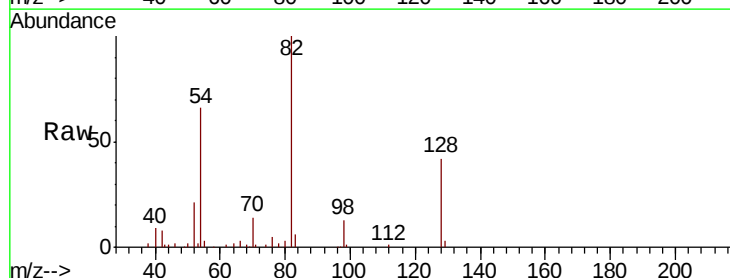
Ion Ratio Lower Upper

70 100

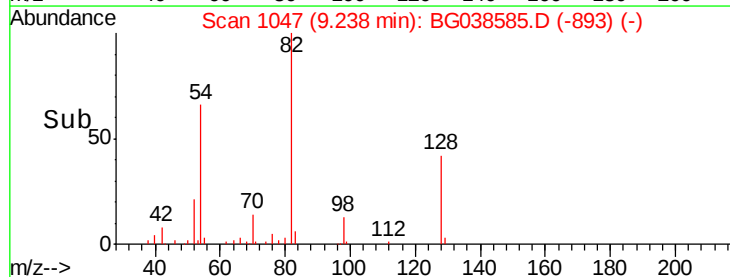
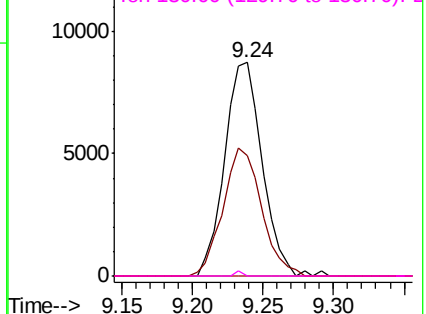
42 56.4 63.6 95.4#

101 0.0 9.2 13.8#

130 0.0 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

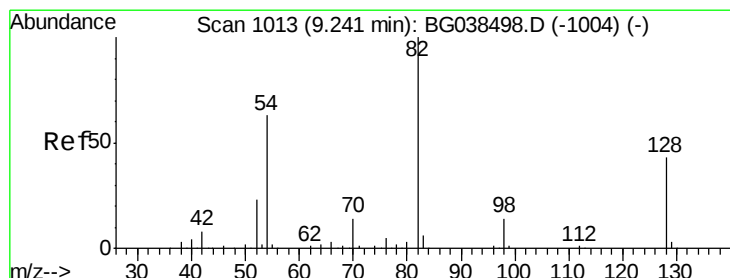
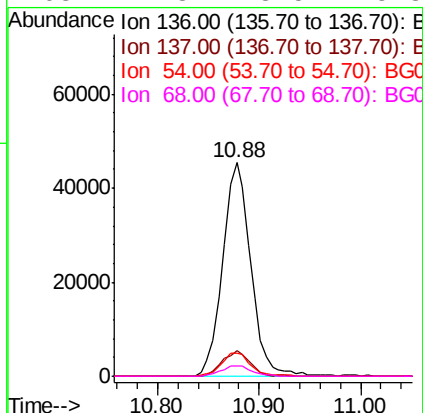
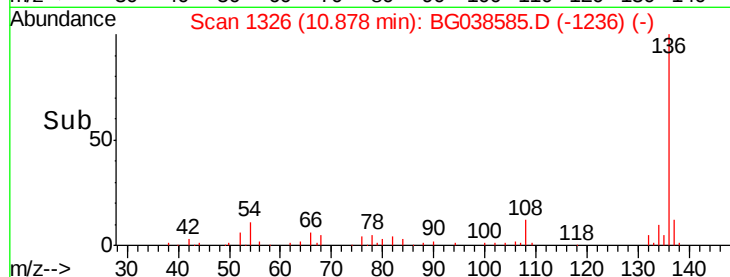
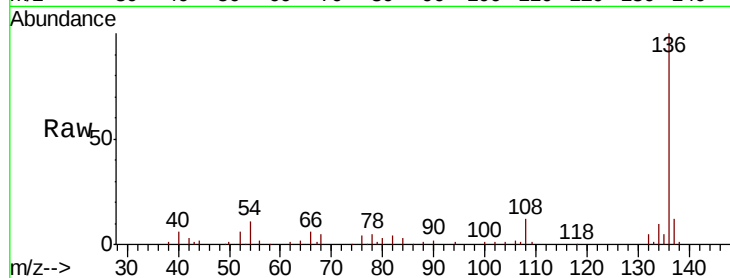




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038585.D
Acq: 15 Dec 2018 2:22

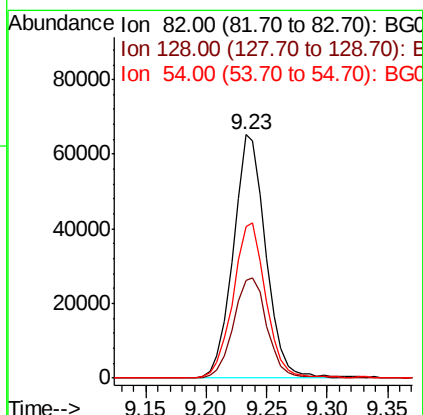
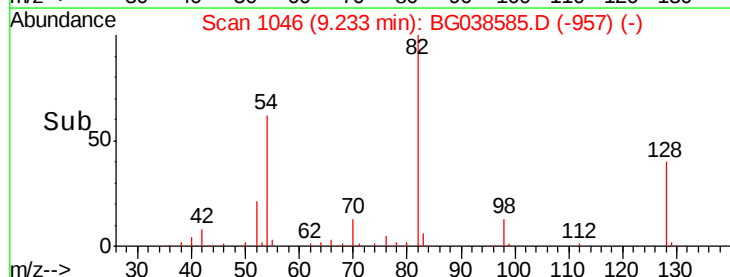
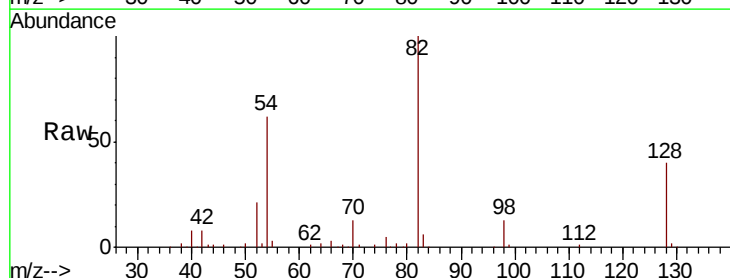
Instrument :
BNA_G
ClientSampleId :
PB115532BL

Tgt Ion:	136	Resp:	87418
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	10.7	8.5	12.7
68	4.8	3.5	5.3



#23
Nitrobenzene-d5
Concen: 71.255 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038585.D
Acq: 15 Dec 2018 2:22

Tgt Ion:	82	Resp:	121928
Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.6	52.0
54	62.0	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: BG038585.D

Acq: 15 Dec 2018 2:22

Instrument :

BNA_G

ClientSampleId :

PB115532BL

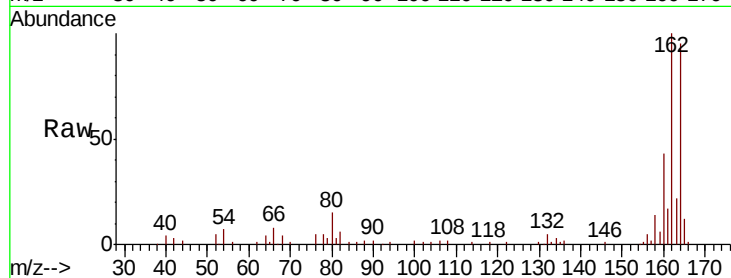
Tgt Ion:164 Resp: 57518

Ion Ratio Lower Upper

164 100

162 105.3 86.6 130.0

160 45.7 34.2 51.2

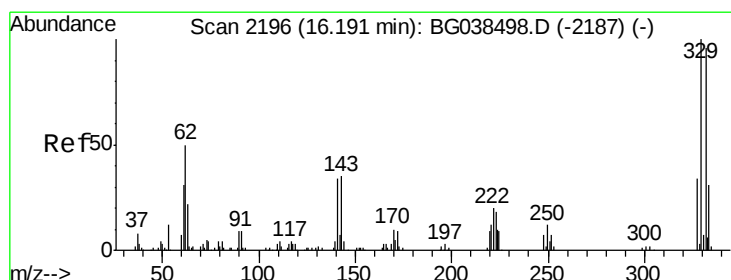
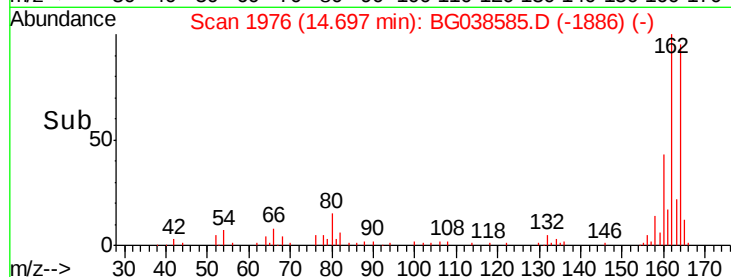
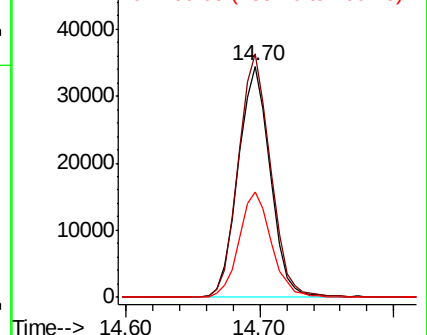


Abundance

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: 99.384 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

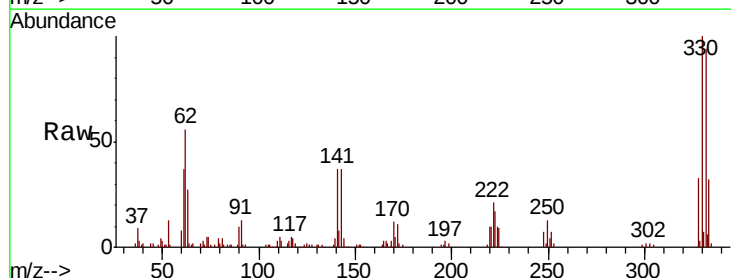
Tgt Ion:330 Resp: 78782

Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

141 36.2 28.8 43.2

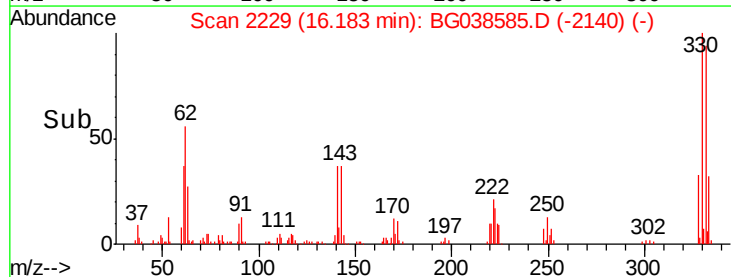
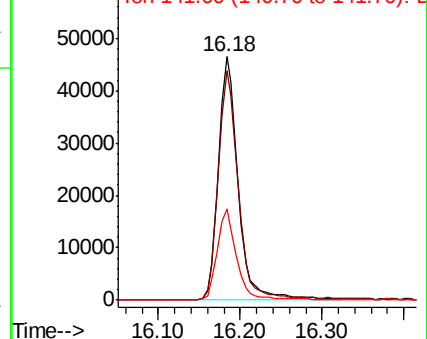


Abundance

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

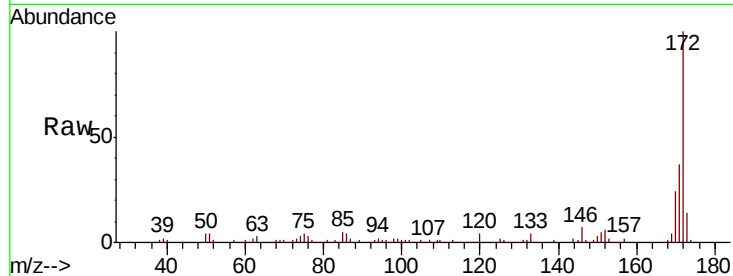




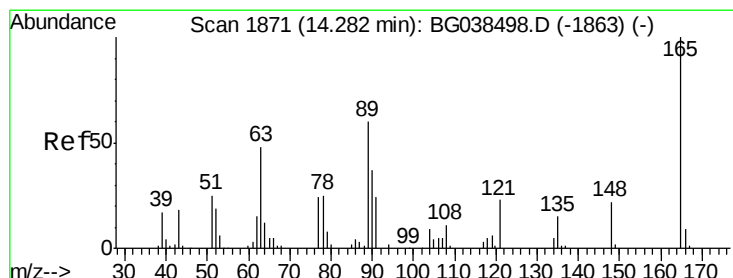
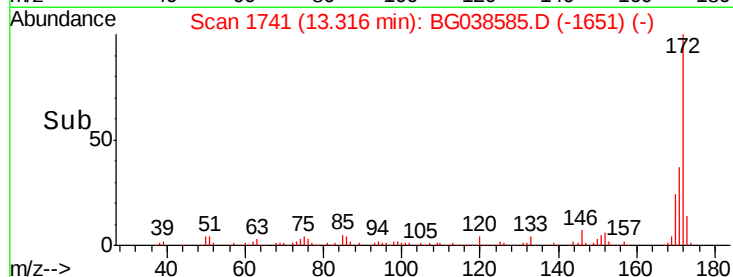
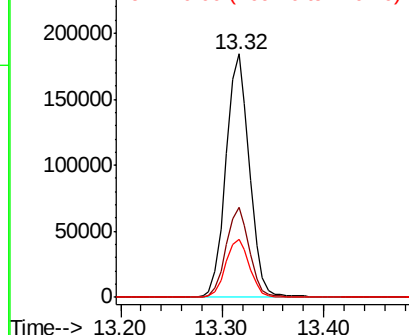
#45
 2-Fluorobiphenyl
 Concen: 70.698 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038585.D
 Acq: 15 Dec 2018 2:22

Instrument :
 BNA_G
 ClientSampleId :
 PB115532BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	23.7	19.5	29.3

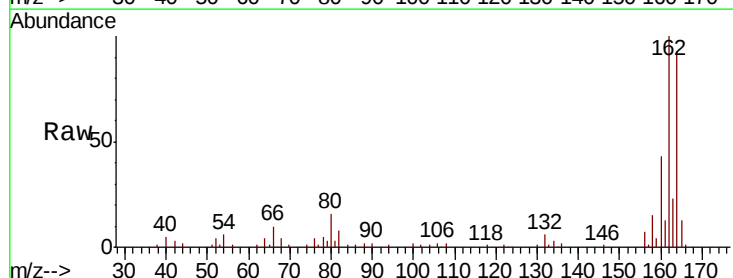


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

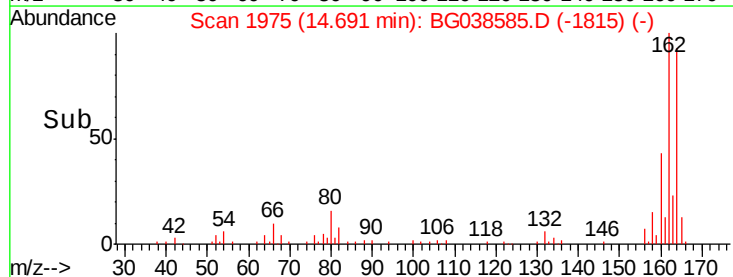
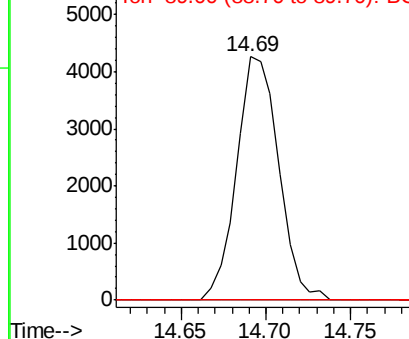


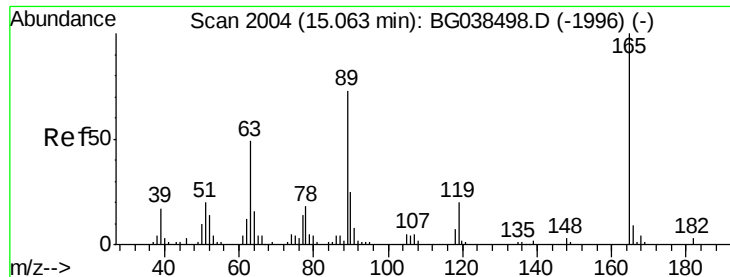
#51
 2,6-Dinitrotoluene
 Concen: 6.951 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038585.D
 Acq: 15 Dec 2018 2:22

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

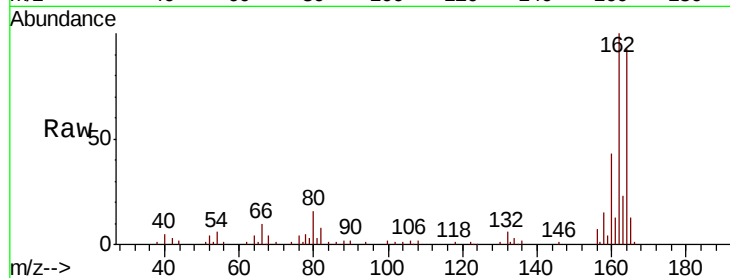




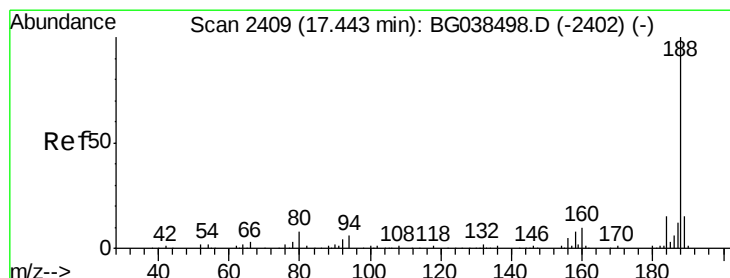
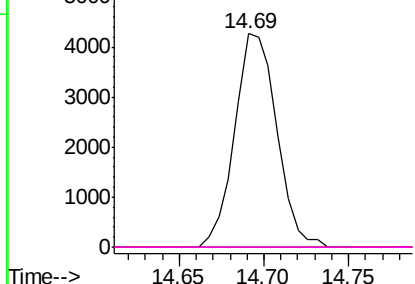
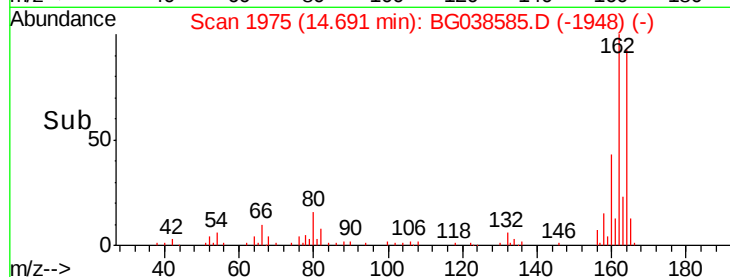
#57
2,4-Dinitrotoluene
Concen: 4.935 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038585.D
Acq: 15 Dec 2018 2:22

Instrument :
BNA_G
ClientSampleId :
PB115532BL

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#

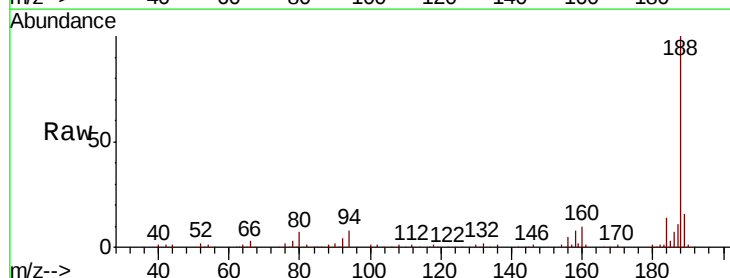


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

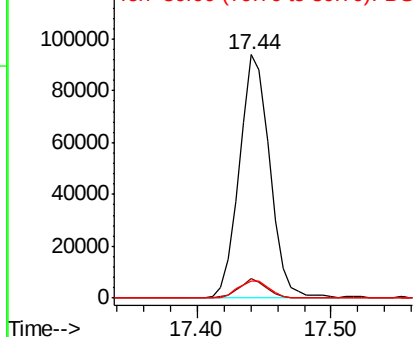
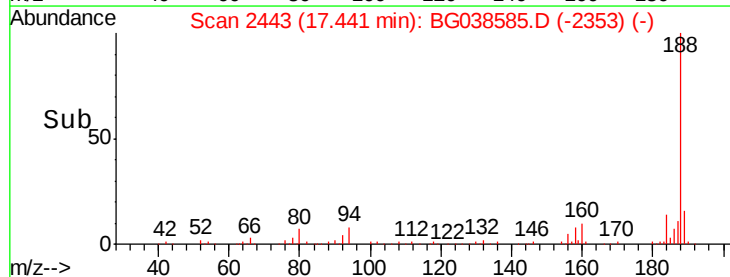


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038585.D
Acq: 15 Dec 2018 2:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.1	7.7#
80	7.0	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: 2.575 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

Instrument :

BNA_G

ClientSampleId :

PB115532BL

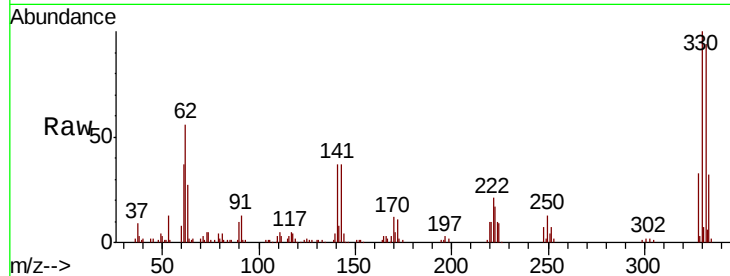
Tgt Ion:248 Resp: 4656

Ion Ratio Lower Upper

248 100

250 196.1 73.4 110.2#

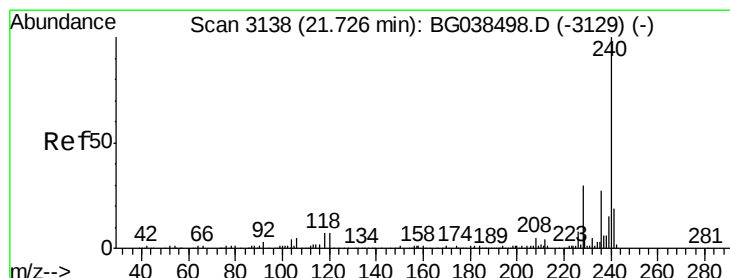
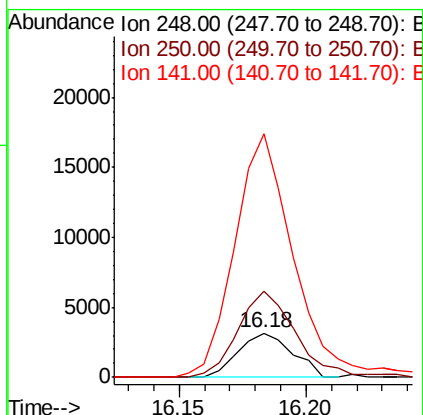
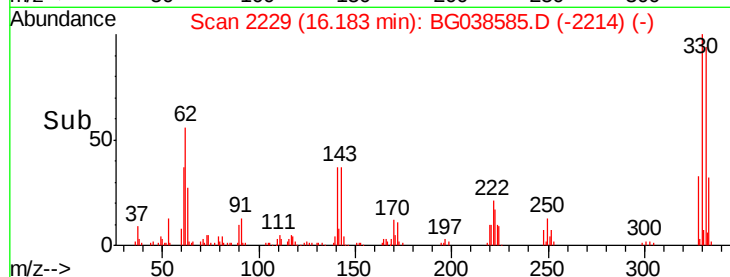
141 430.8 52.9 79.3#



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: BG038585.D

Acq: 15 Dec 2018 2:22

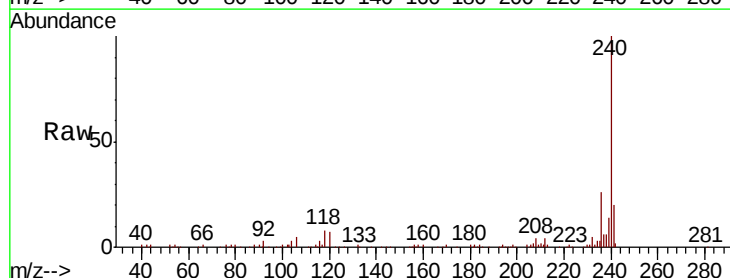
Tgt Ion:240 Resp: 163996

Ion Ratio Lower Upper

240 100

120 7.0 5.3 7.9

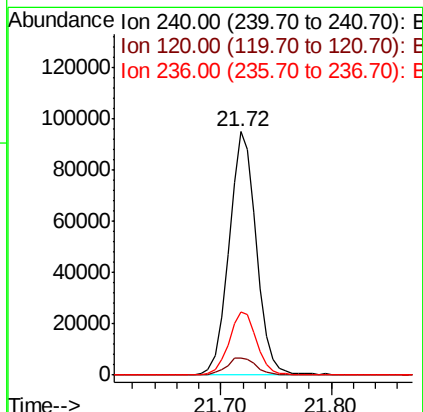
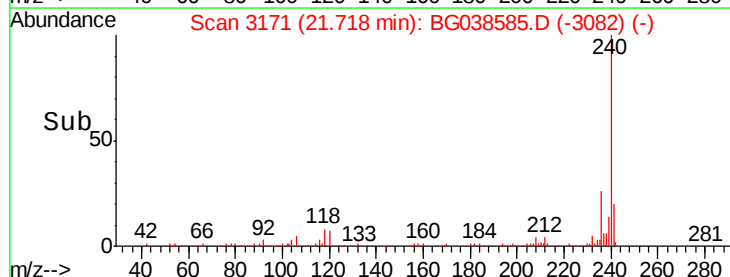
236 26.1 21.4 32.2

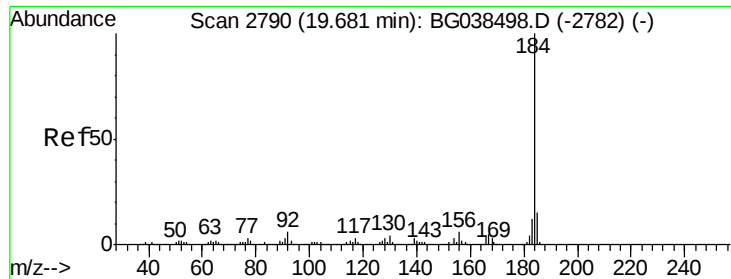


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.048 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

Instrument :

BNA_G

ClientSampleId :

PB115532BL

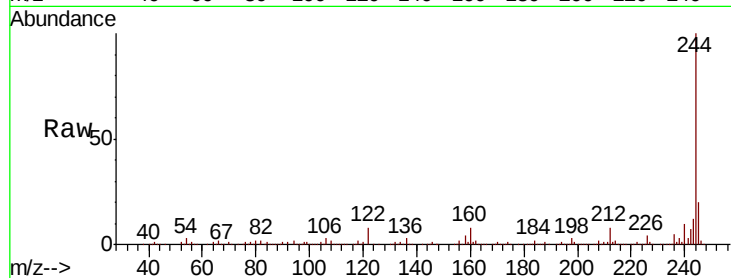
Tgt Ion:184 Resp: 9933

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

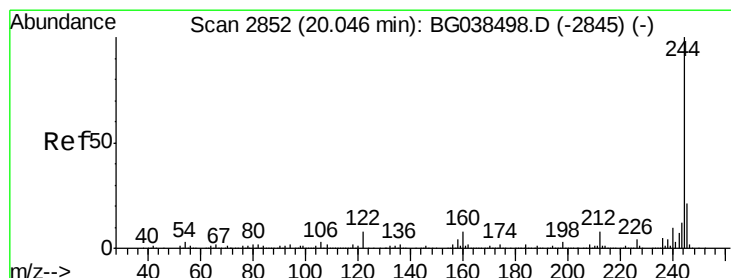
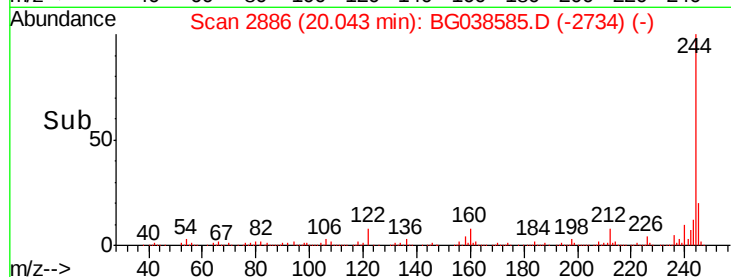
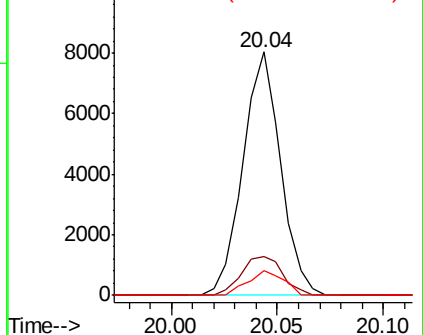
183 10.2 9.6 14.4



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: 77.922 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038585.D

Acq: 15 Dec 2018 2:22

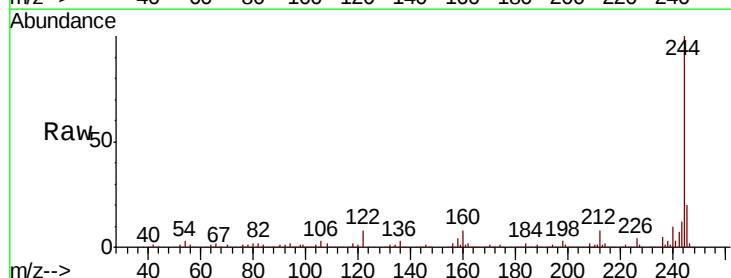
Tgt Ion:244 Resp: 587174

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

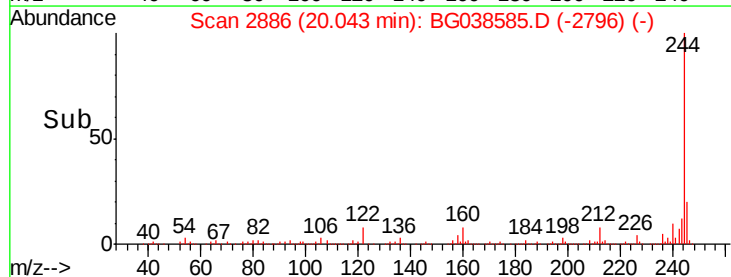
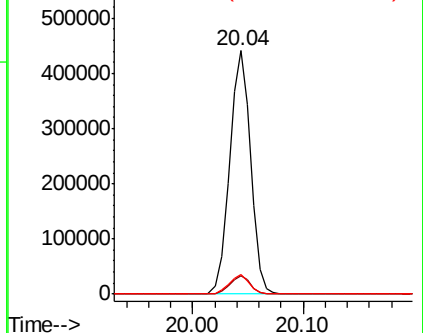
122 7.9 6.3 9.5

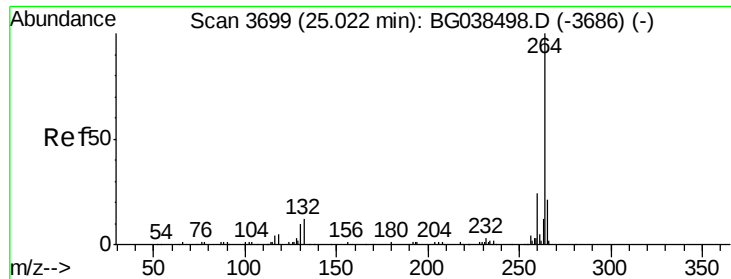


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.01 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038585.D
Acq: 15 Dec 2018 2:22

Instrument :
BNA_G
ClientSampleId :
PB115532BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	21.3	17.0	25.4

