

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038885.D
 Acq On : 28 Dec 2018 22:27
 Operator : JU/SJ
 Sample : J6584-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 00:22:09 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	21140	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	90134	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	68583	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	169334	20.00	ng	0.00
76) Chrysene-d12	21.72	240	176307	20.00	ng	0.00
87) Perylene-d12	25.01	264	191188	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	185925	155.99	ng	0.01
7) Phenol-d6	7.22	99	239615	146.44	ng	0.02
23) Nitrobenzene-d5	9.23	82	172387	97.71	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	184786	195.50	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	501235	100.26	ng	0.00
79) Terphenyl-d14	20.04	244	890705	109.95	ng	0.00

Target Compounds

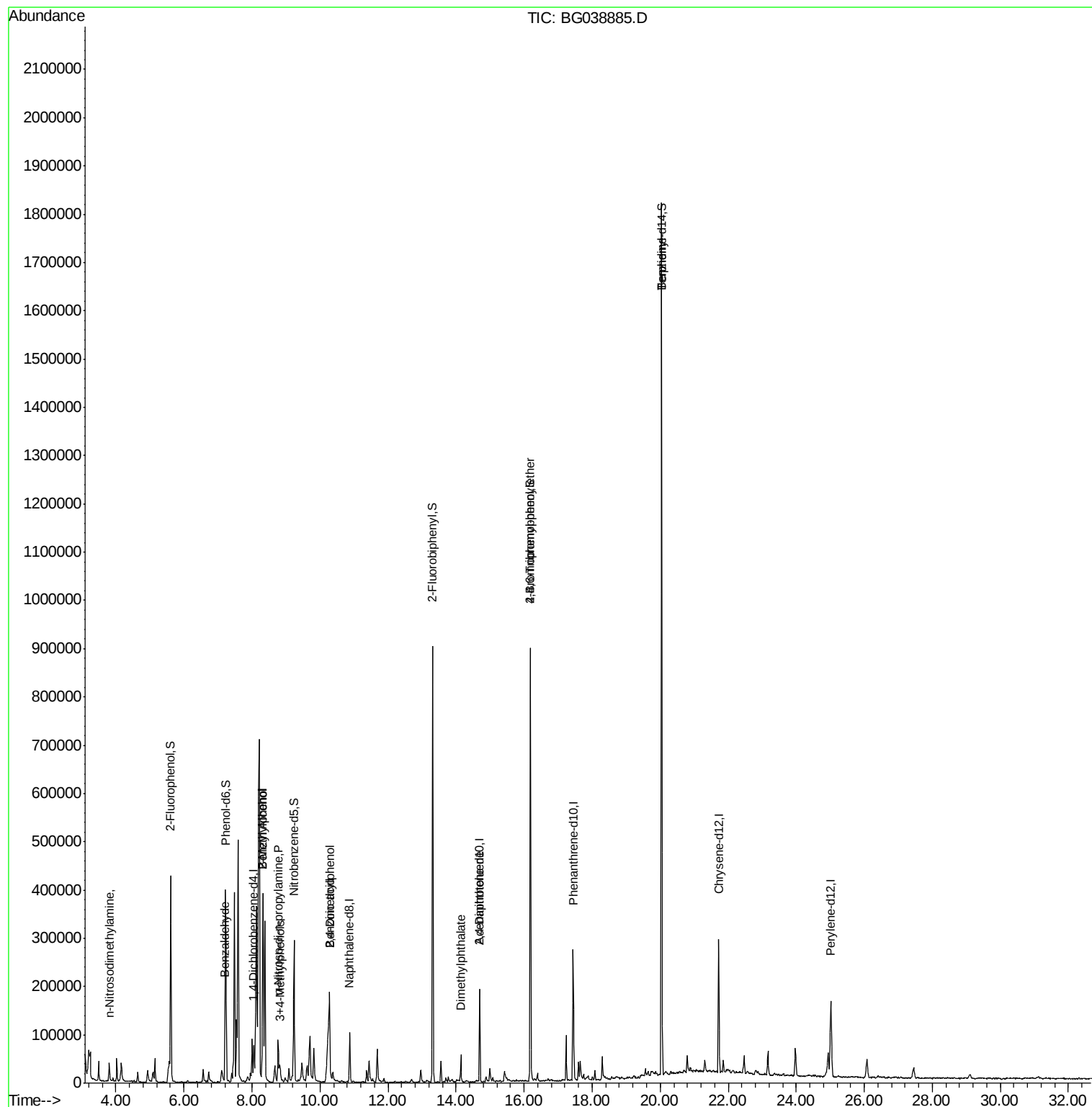
						Qvalue
4) n-Nitrosodimethylamine	3.80	42	3173	4.240	ng	# 1
9) Benzaldehyde	7.20	77	2257	2.126	ng	86
15) Benzyl Alcohol	8.31	79	60131	47.082	ng	98
17) 2-Methylphenol	8.31	107	32340	27.768	ng	# 11
19) n-Nitroso-di-n-propylamine	8.77	70	10886	9.473	ng	# 54
20) 3+4-Methylphenols	8.83	107	6624	4.118	ng	92
27) 2,4-Dimethylphenol	10.29	122	107302	81.959	ng	# 1
32) Benzoic acid	10.29	122	107302	111.873	ng	95
50) Dimethylphthalate	14.14	163	38336	6.845	ng	99
57) 2,4-Dinitrotoluene	14.69	165	8990	5.029	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	12085	5.844	ng	# 1
77) Benzidine	20.04	184	15142	2.904	ng	# 94

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

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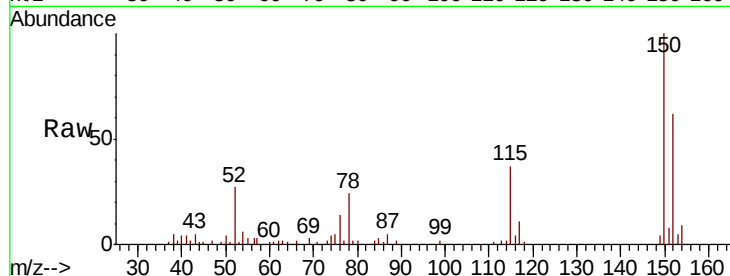


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	119.5	179.3
115	60.5	49.6	74.4

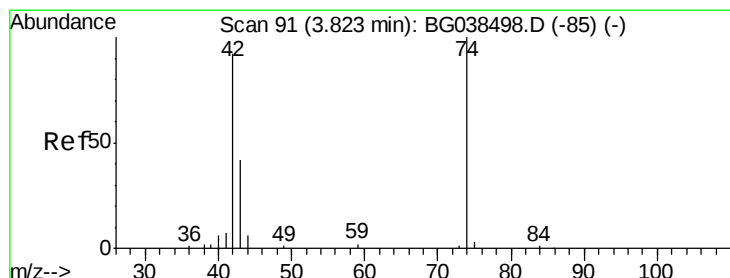
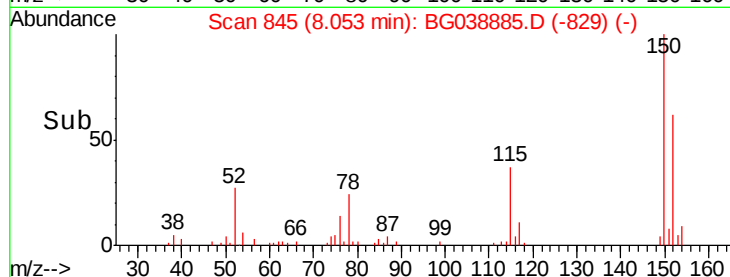
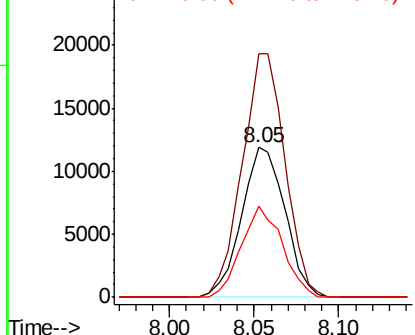


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

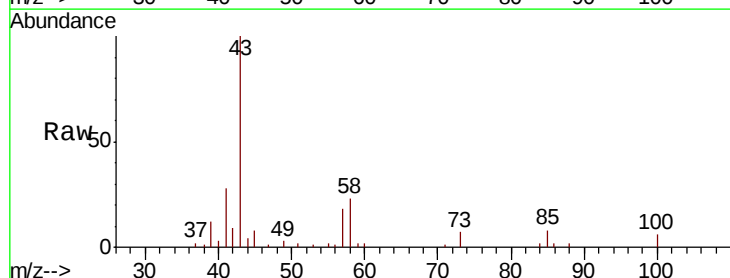
Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine
Concen: 4.240 ng
RT: 3.80 min Scan# 122
Delta R.T. -0.02 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.7	130.1#
44	48.6	7.8	11.8#

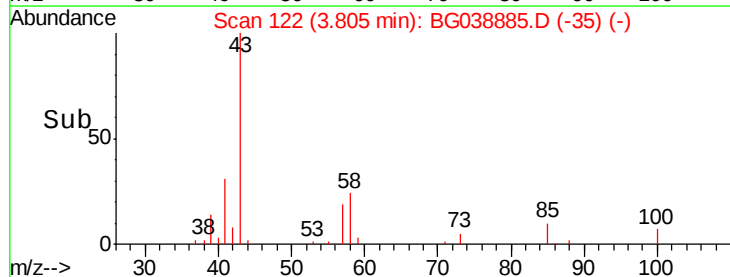
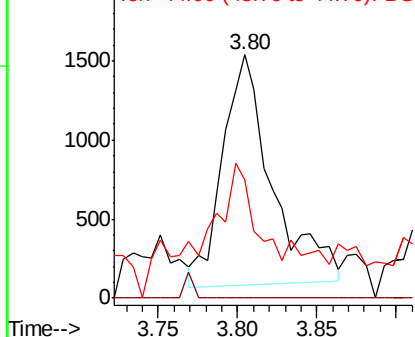


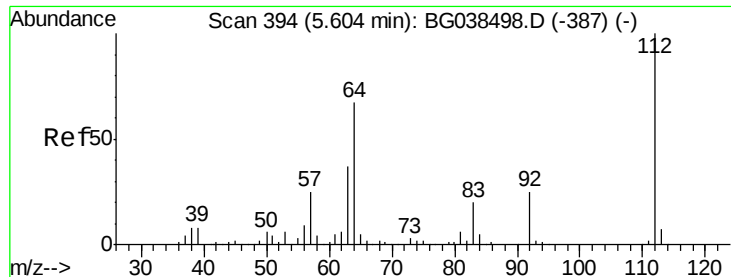
Abundance

Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 155.992 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG038885.D

Acq: 28 Dec 2018 22:27

Instrument :

BNA_G

ClientSampled :

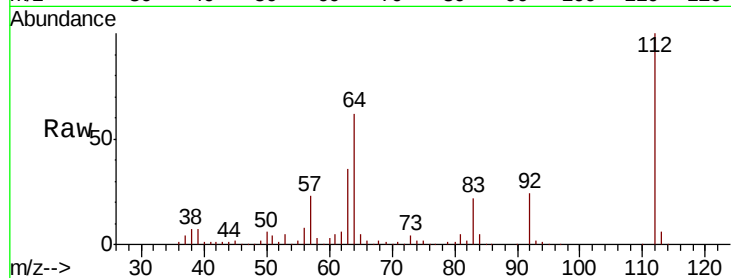
Tot Ion: 112 Resp: 185925

Ion Ratio Lower Upper

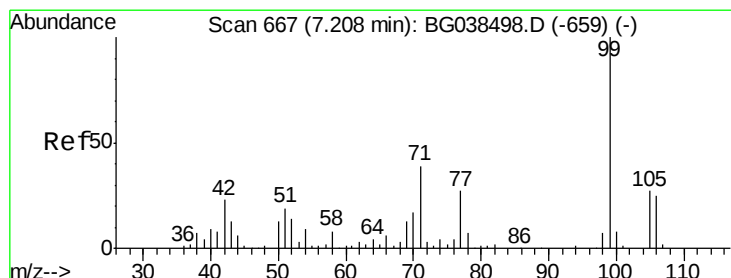
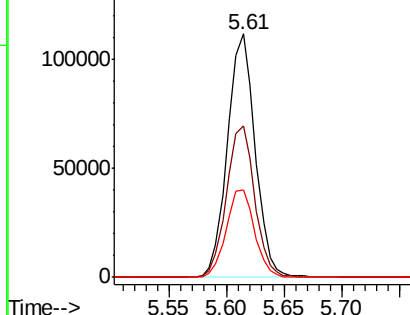
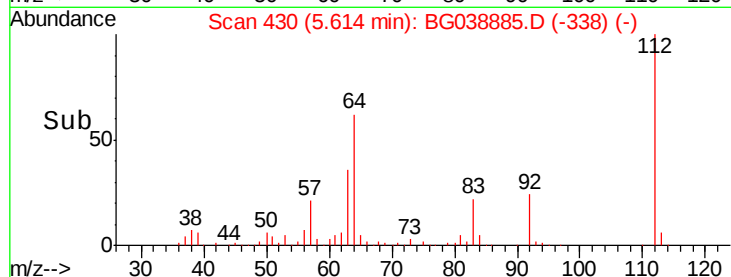
112 100

64 62.2 53.4 80.2

63 35.8 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 146.443 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.02 min

Lab File: BG038885.D

Acq: 28 Dec 2018 22:27

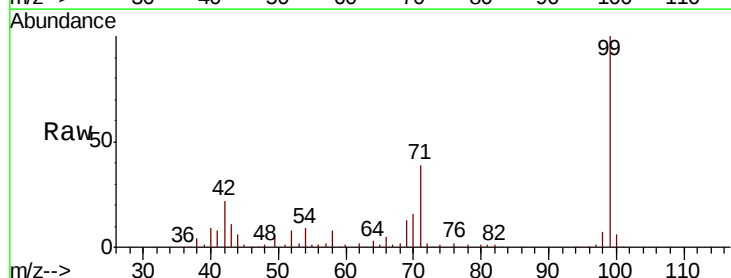
Tgt Ion: 99 Resp: 239615

Ion Ratio Lower Upper

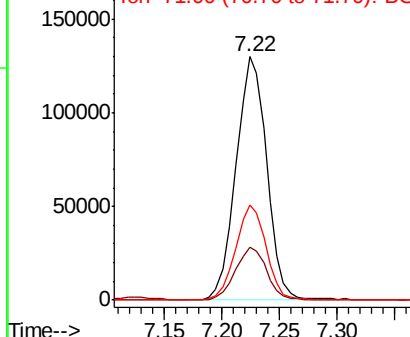
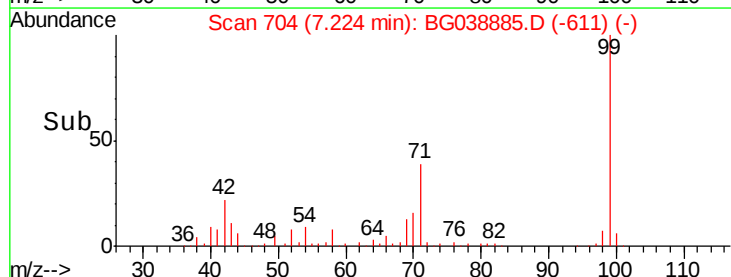
99 100

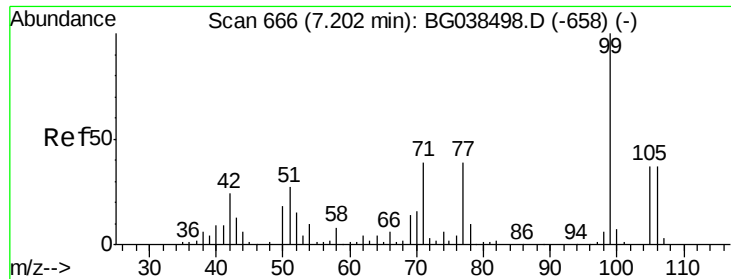
42 21.7 18.5 27.7

71 38.9 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

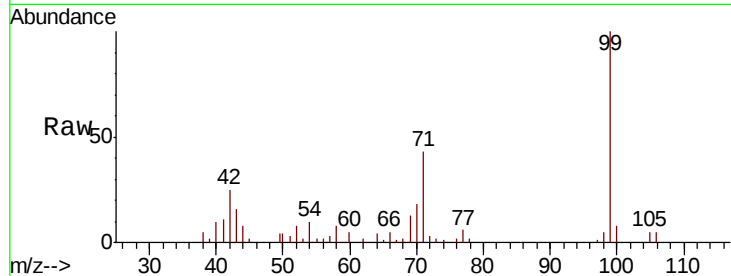




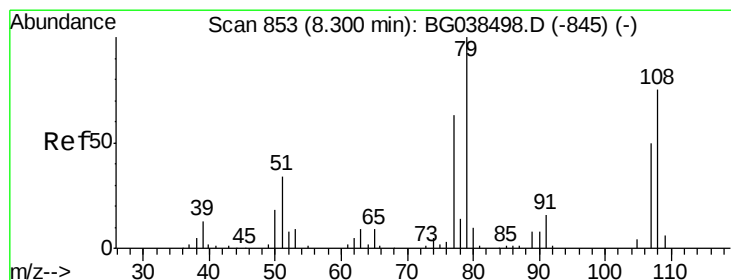
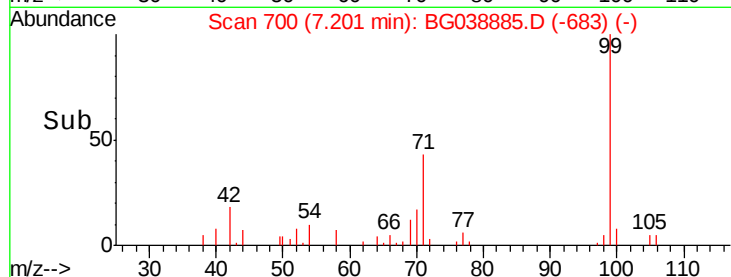
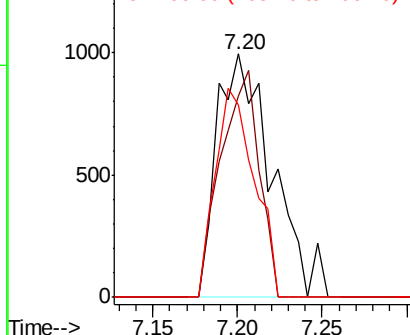
#9
Benzaldehydve
Concen: 2.126 ng
RT: 7.20 min Scan# 700
Delta R.T. -0.00 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 2257
Ion Ratio Lower Upper
77 100
105 82.5 74.0 114.0
106 79.0 73.9 113.9

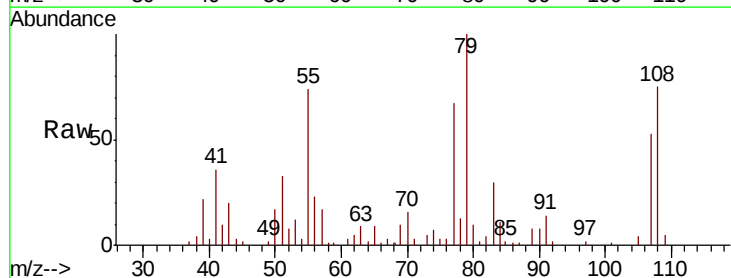


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

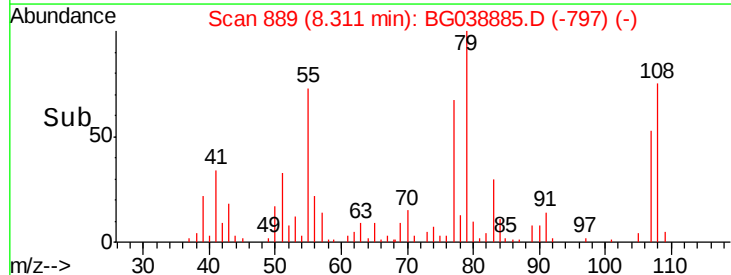
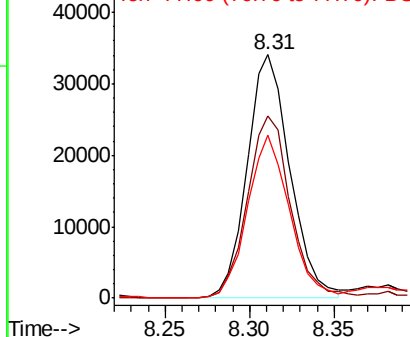


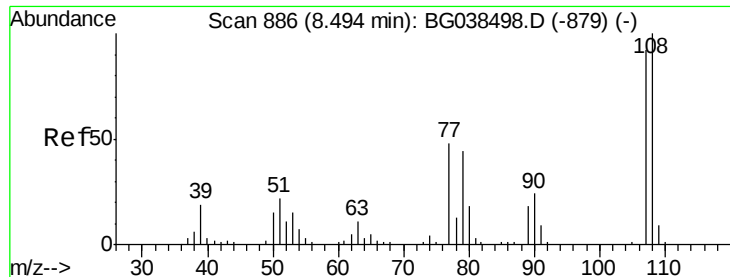
#15
Benzyl Alcohol
Concen: 47.082 ng
RT: 8.31 min Scan# 889
Delta R.T. 0.01 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Tgt Ion: 79 Resp: 60131
Ion Ratio Lower Upper
79 100
108 74.8 60.2 90.4
77 66.7 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

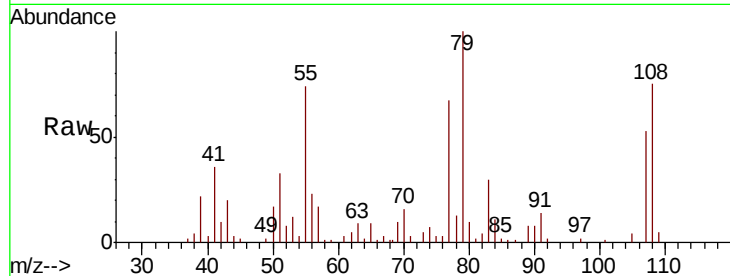




#17
2-Methylphenol
Concen: 27.768 ng
RT: 8.31 min Scan# 889
Delta R.T. -0.18 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

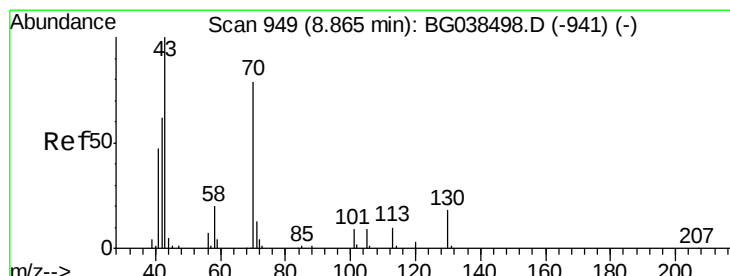
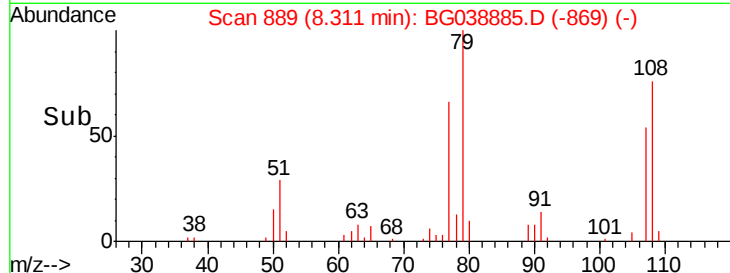
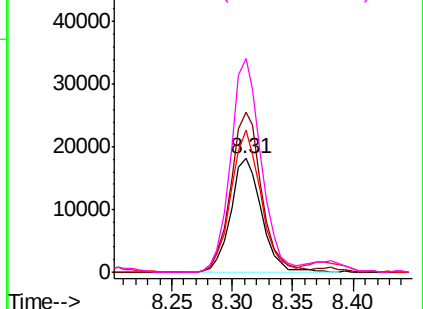
Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 32340
Ion Ratio Lower Upper
107 100
108 140.6 87.1 130.7#
77 125.4 42.0 63.0#
79 188.0 38.2 57.2#



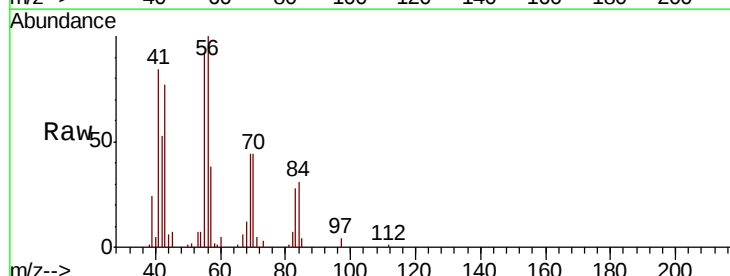
Abundance

Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG



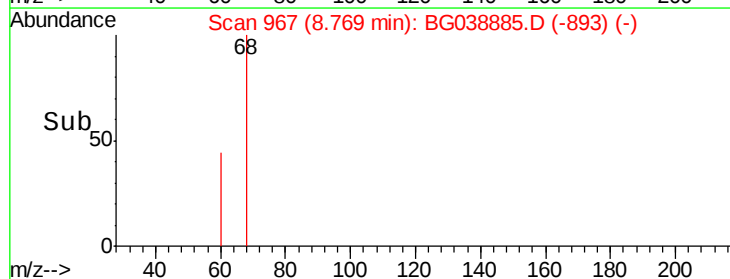
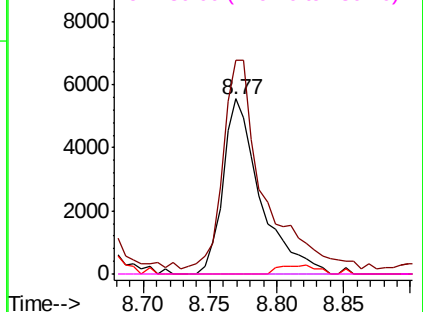
#19
n-Nitroso-di-n-propylamine
Concen: 9.473 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.10 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

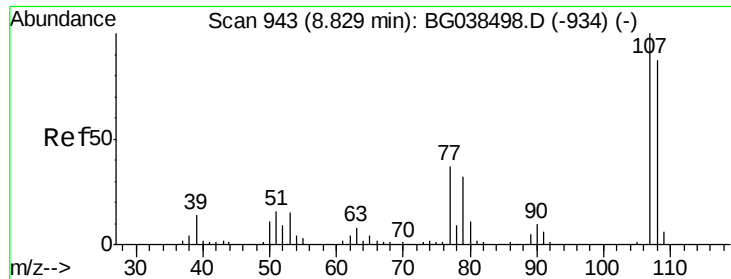
Tgt Ion: 70 Resp: 10886
Ion Ratio Lower Upper
70 100
42 122.2 63.6 95.4#
101 0.0 9.2 13.8#
130 0.0 18.5 27.7#



Abundance

Ion 70.00 (69.70 to 70.70): BG
Ion 42.00 (41.70 to 42.70): BG
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

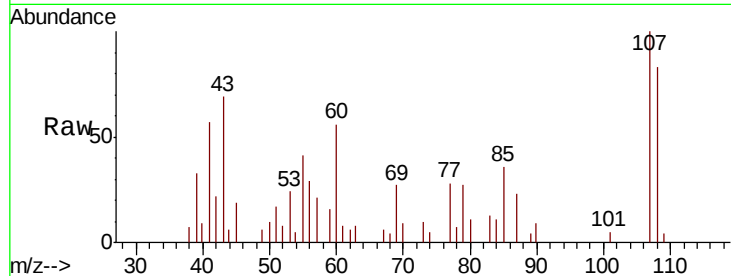




#20
3+4-Methylphenols
Concen: 4.118 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	6624
Ion	Ratio	Lower	Upper
107	100		
108	82.8	66.7	106.7
77	27.6	17.3	57.3
79	27.4	12.3	52.3



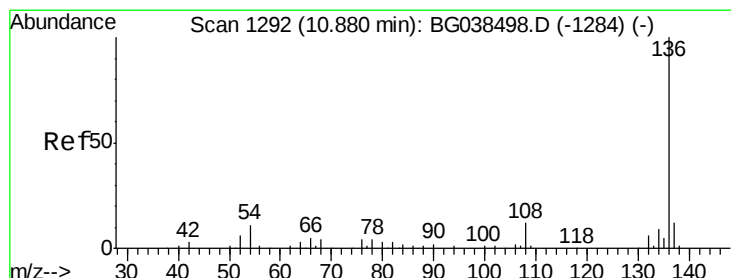
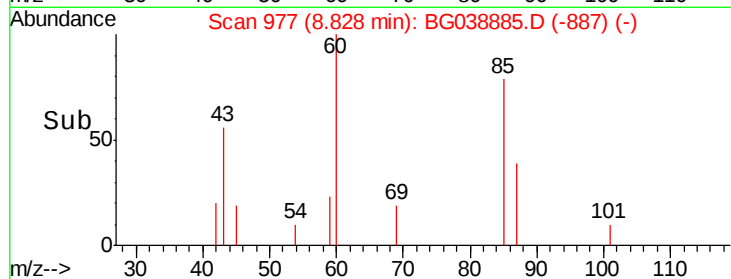
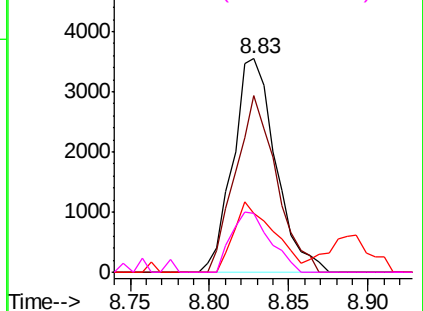
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

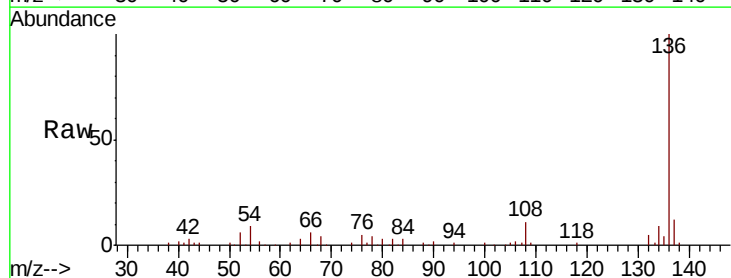
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Tgt Ion:	136	Resp:	90134
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	9.2	8.5	12.7
68	4.3	3.5	5.3



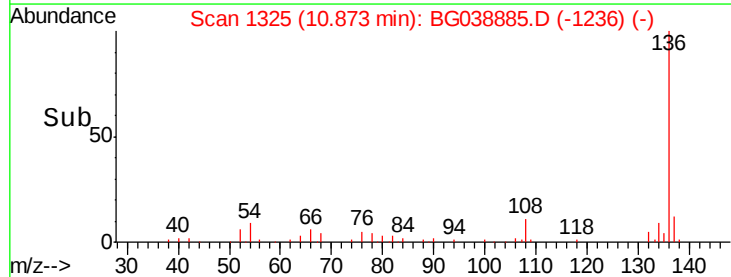
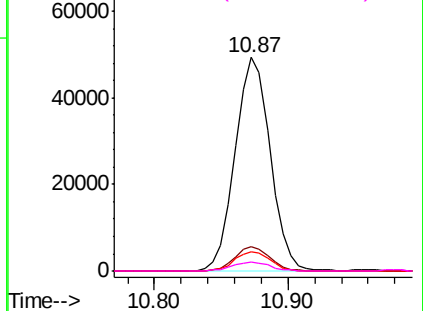
Abundance

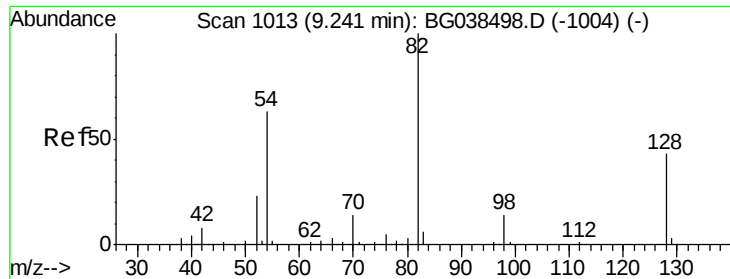
Ion 136.00 (135.70 to 136.70): E

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

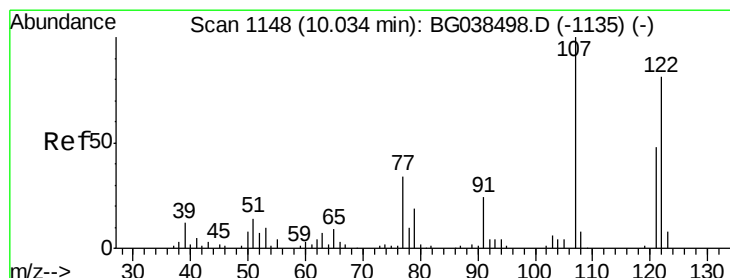
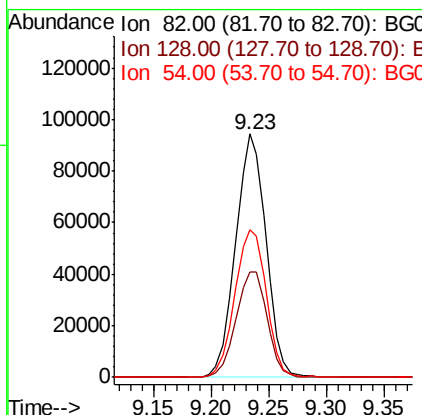
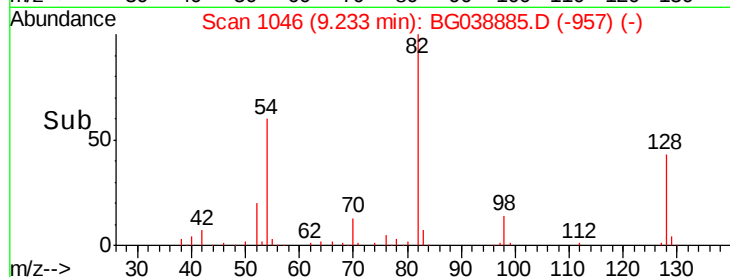
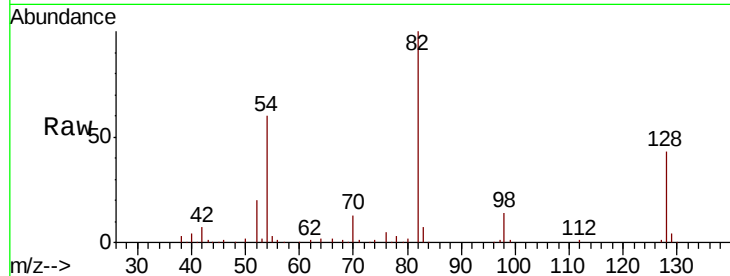




#23
 Nitrobenzene-d5
 Concen: 97.707 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

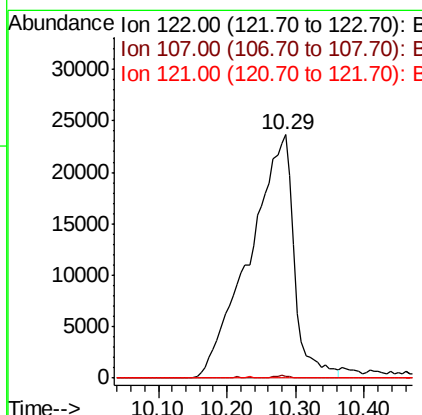
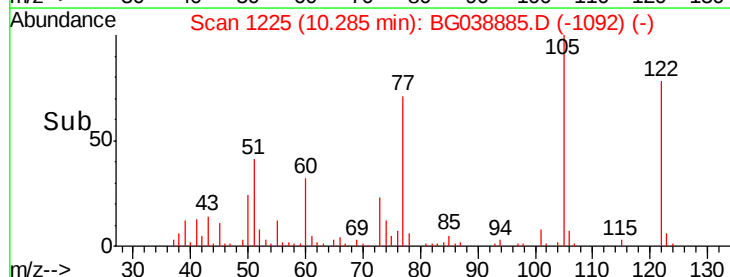
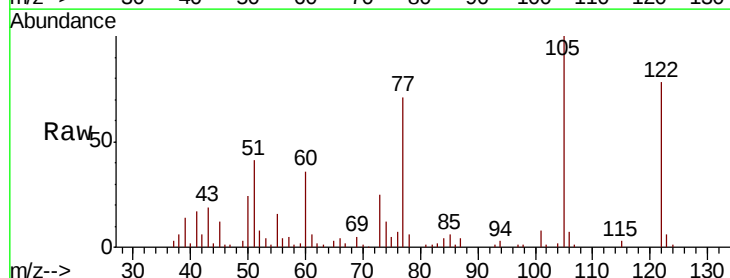
Instrument :
 BNA_G
 ClientSampleID :

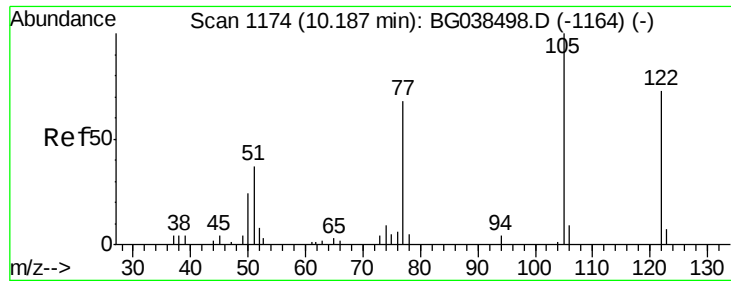
Tot Ion: 82 Resp: 172387
 Ion Ratio Lower Upper
 82 100
 128 43.5 34.6 52.0
 54 60.4 50.6 76.0



#27
 2,4-Dimethylphenol
 Concen: 81.959 ng
 RT: 10.29 min Scan# 1225
 Delta R.T. 0.25 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

Tgt Ion:122 Resp: 107302
 Ion Ratio Lower Upper
 122 100
 107 0.8 98.4 147.6#
 121 0.0 47.2 70.8#

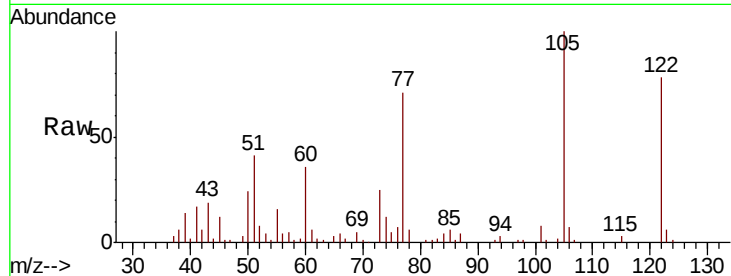




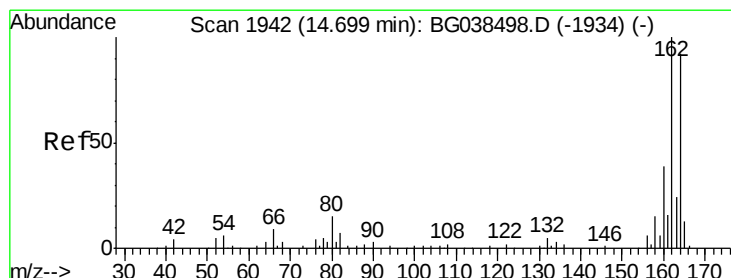
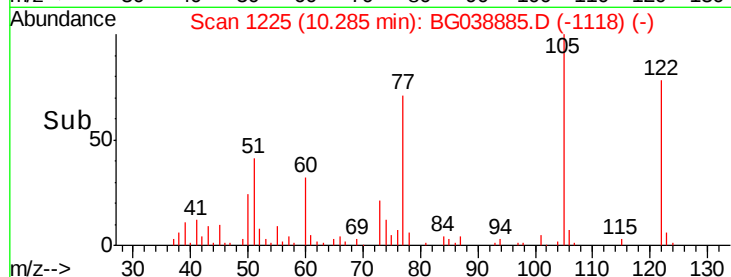
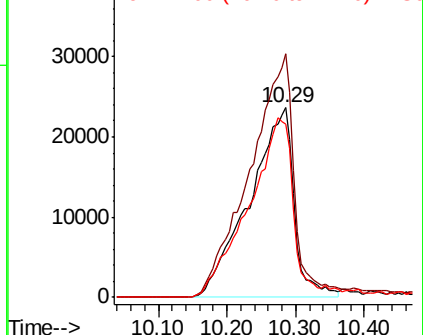
#32
Benzoic acid
Concen: 111.873 ng
RT: 10.29 min Scan# 1225
Delta R.T. 0.10 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 107302
Ion Ratio Lower Upper
122 100
105 128.3 116.7 156.7
77 91.4 72.5 112.5

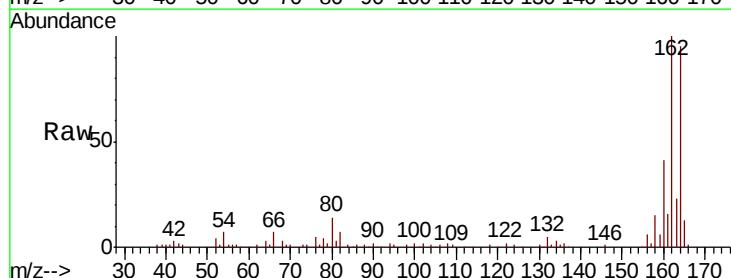


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

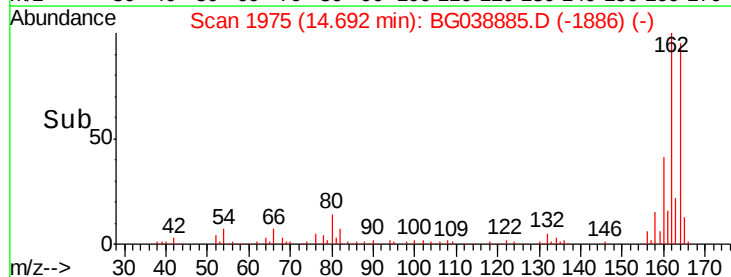
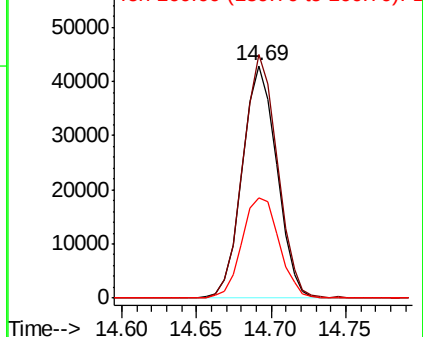


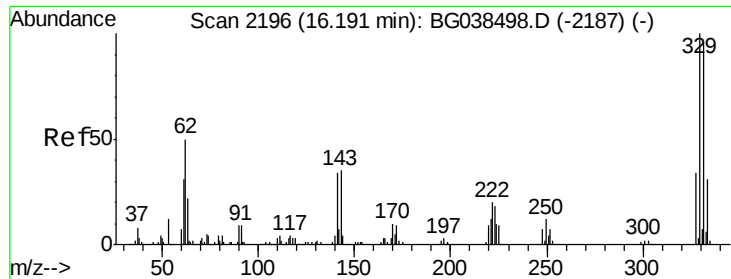
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Tgt Ion:164 Resp: 68583
Ion Ratio Lower Upper
164 100
162 104.8 86.6 130.0
160 43.1 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

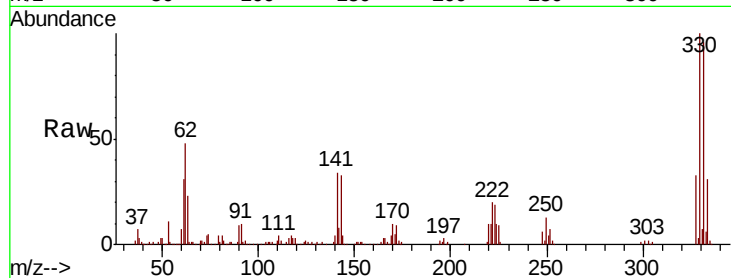




#42
 2,4,6-Tribromophenol
 Concen: 195.500 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	32.3	28.8	43.2

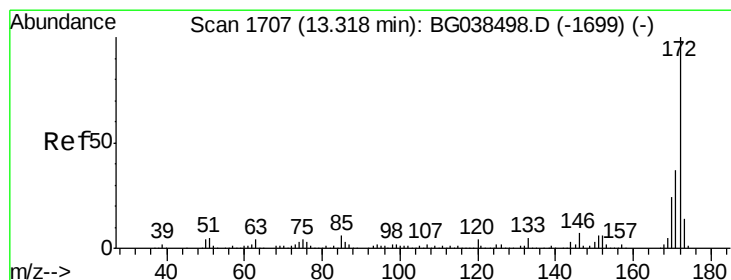
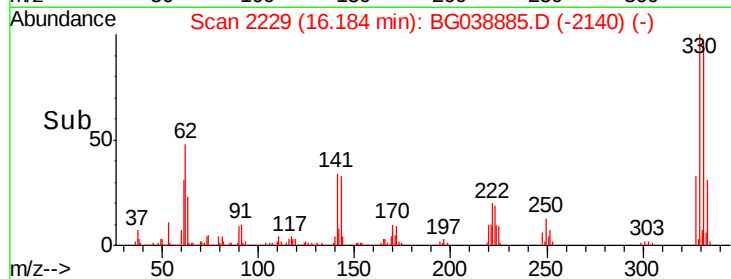
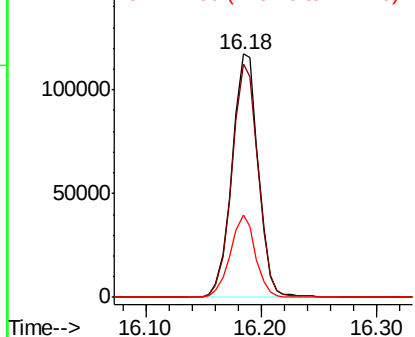


Abundance

Ion 329.80 (329.50 to 330.50): E

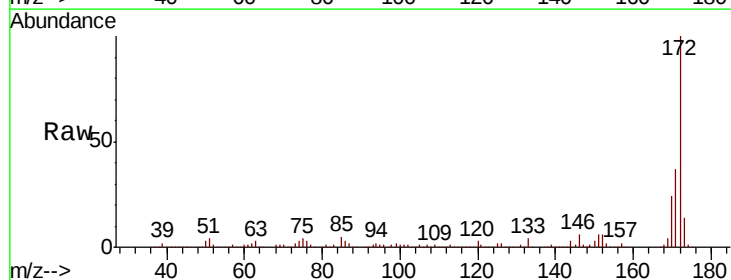
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 100.261 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	24.2	19.5	29.3

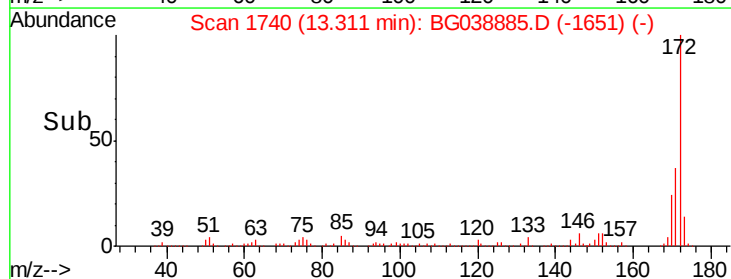
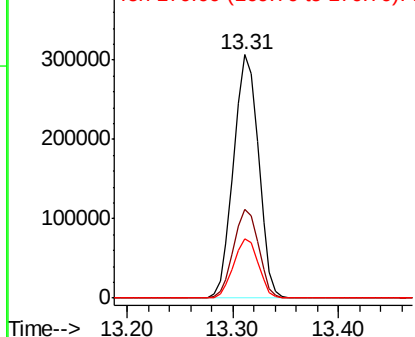


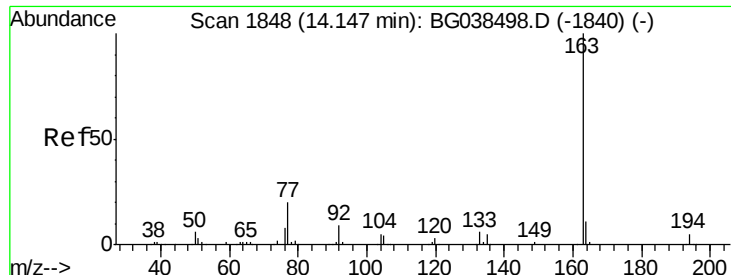
Abundance

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

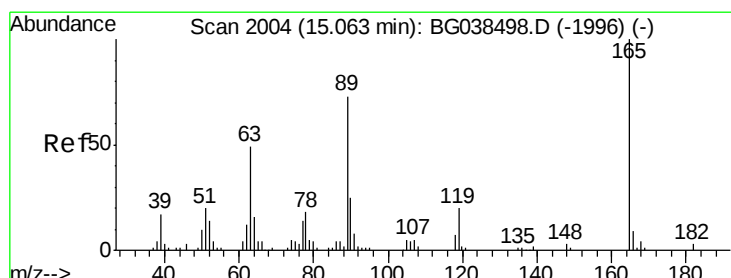
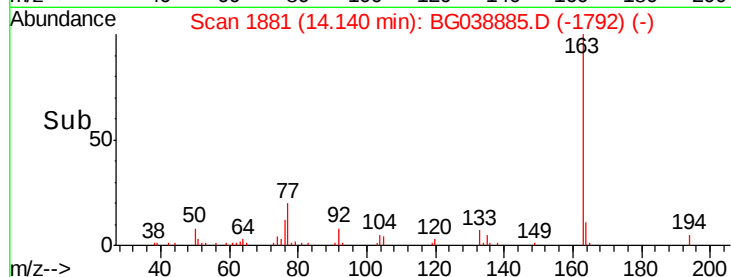
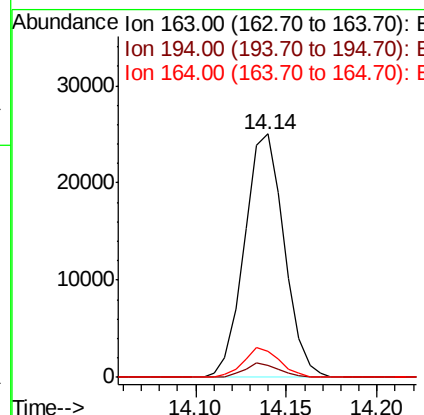
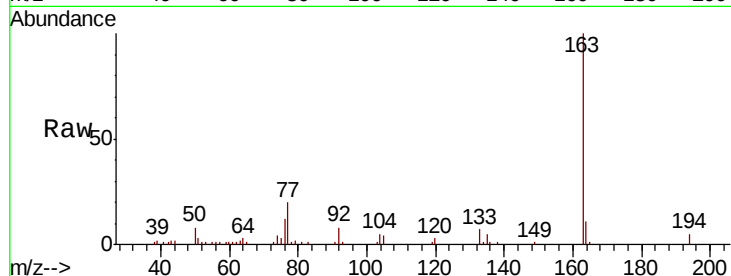




#50
Dimethylphthalate
Concen: 6.845 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

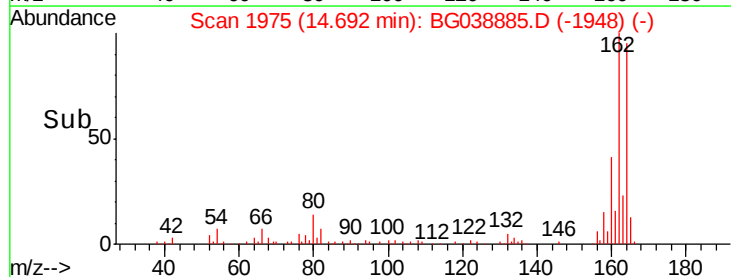
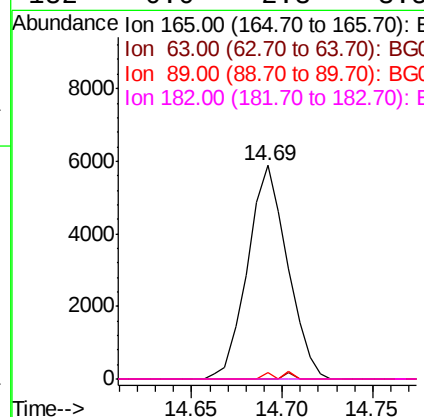
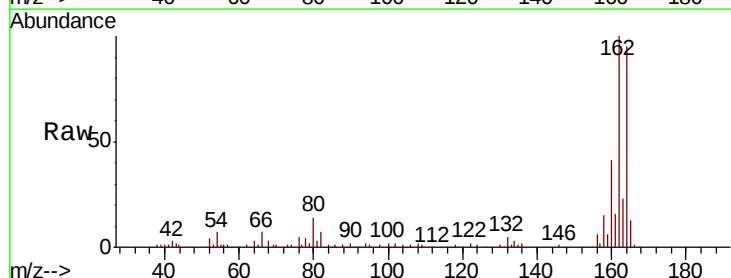
Instrument :
BNA_G
ClientSampleId :

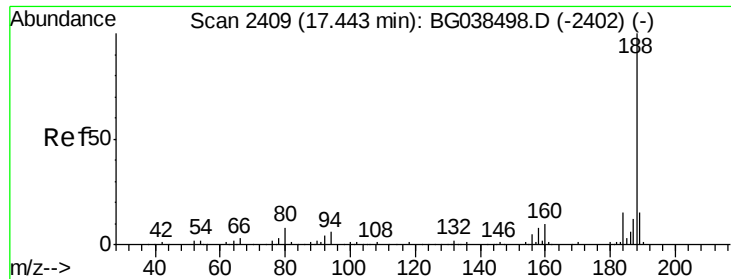
Tot Ion:163 Resp: 38336
Ion Ratio Lower Upper
163 100
194 5.0 3.7 5.5
164 10.8 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 5.029 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038885.D
Acq: 28 Dec 2018 22:27

Tgt Ion:165 Resp: 8990
Ion Ratio Lower Upper
165 100
63 0.0 39.0 58.4#
89 3.3 58.0 87.0#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038885.D

Acq: 28 Dec 2018 22:27

Instrument :

BNA_G

ClientSampled :

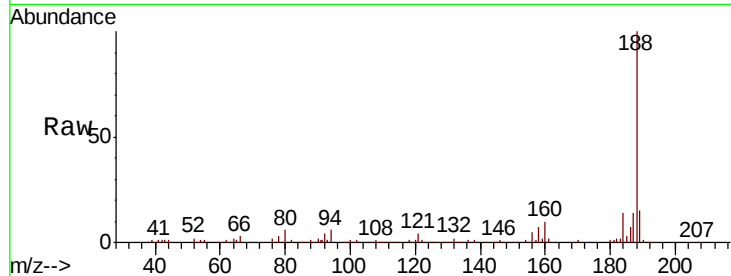
Tot Ion:188 Resp: 169334

Ion Ratio Lower Upper

188 100

94 5.8 5.1 7.7

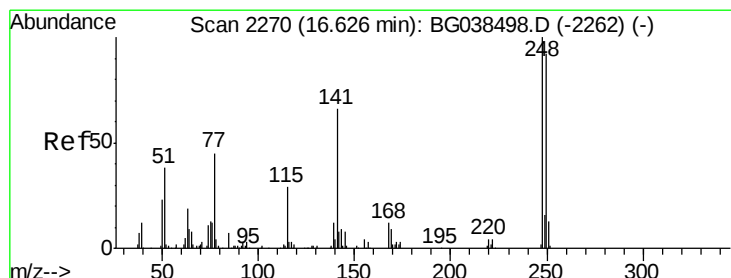
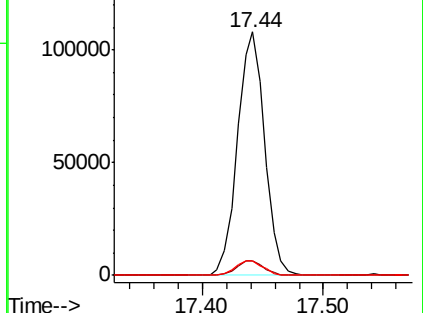
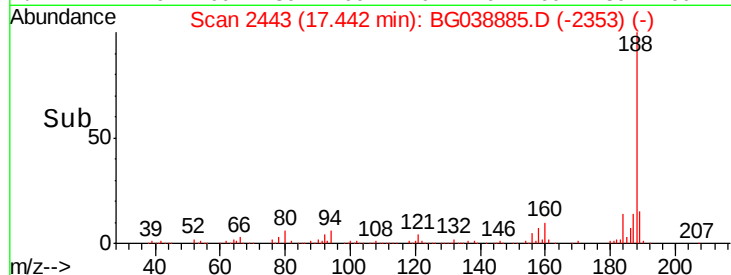
80 5.9 6.1 9.1#



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: 5.844 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038885.D

Acq: 28 Dec 2018 22:27

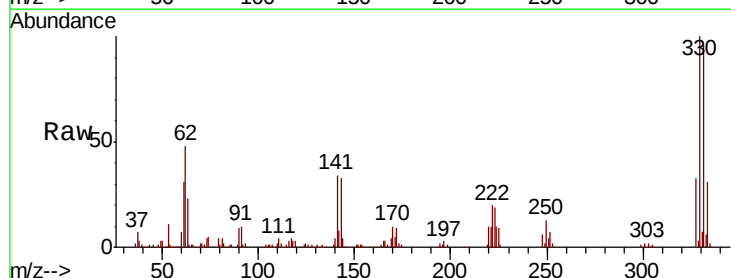
Tgt Ion:248 Resp: 12085

Ion Ratio Lower Upper

248 100

250 269.7 73.4 110.2#

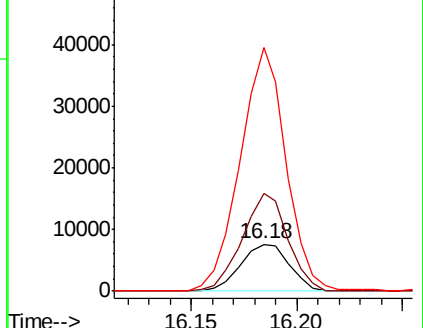
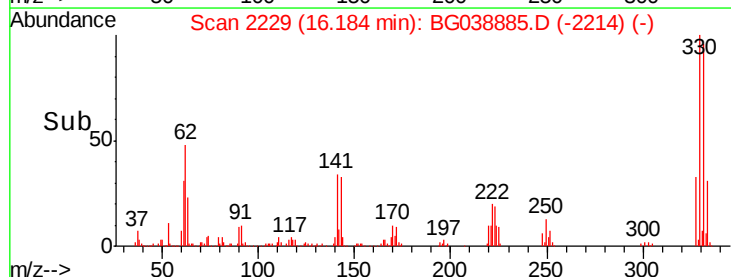
141 520.6 52.9 79.3#

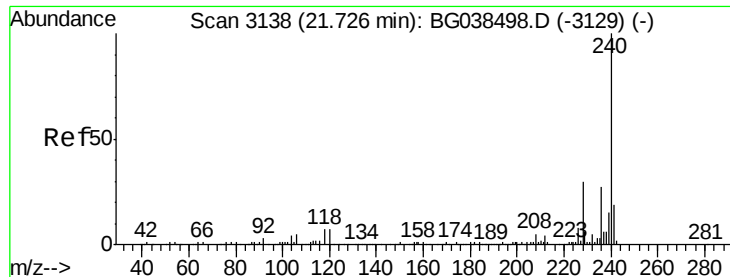


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

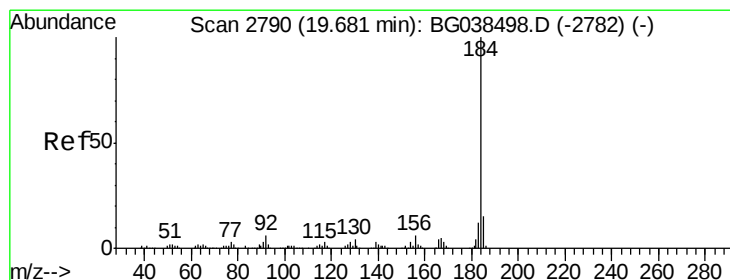
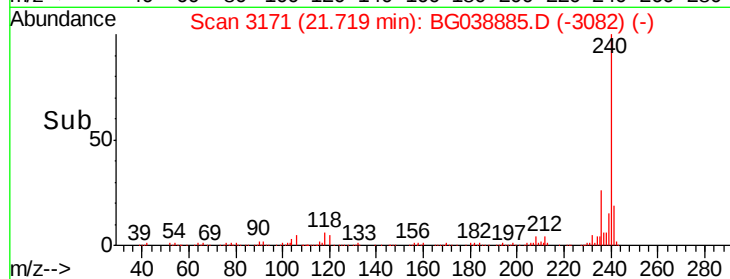
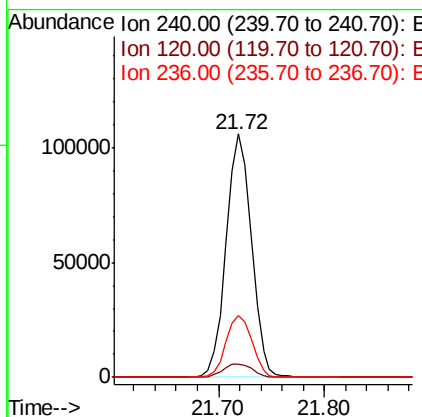
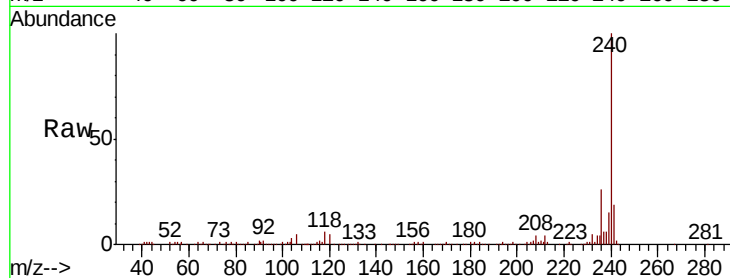




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

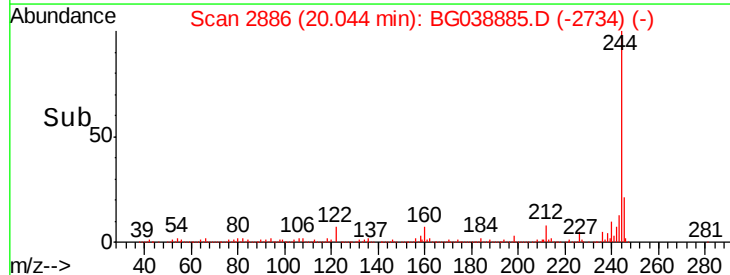
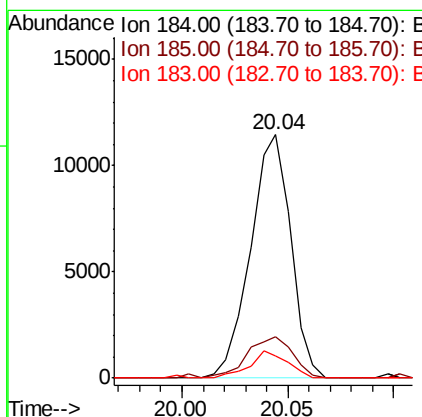
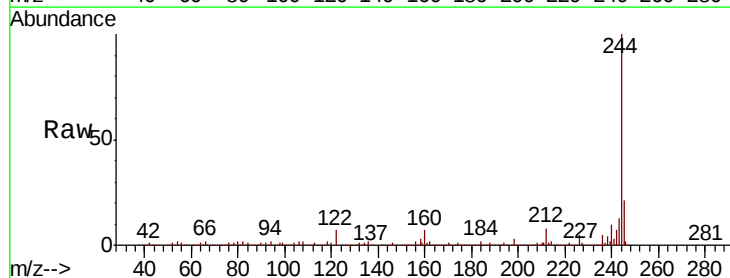
Instrument :
 BNA_G
 ClientSampleId :

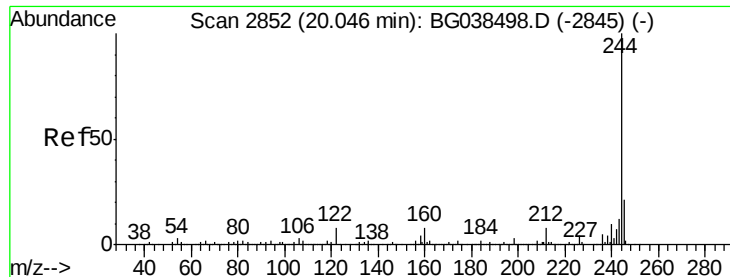
Tot Ion:240 Resp: 176307
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.3 7.9
 236 25.6 21.4 32.2



#77
 Benzidine
 Concen: 2.904 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. 0.36 min
 Lab File: BG038885.D
 Acq: 28 Dec 2018 22:27

Tgt Ion:184 Resp: 15142
 Ion Ratio Lower Upper
 184 100
 185 17.1 12.2 18.2
 183 8.9 9.6 14.4#





#79

Terphenyl-d14

Concen: 109.949 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038885.D

Acq: 28 Dec 2018 22:27

Instrument :

BNA_G

ClientSampleId :

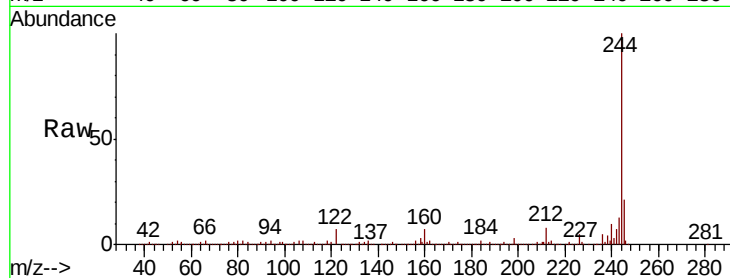
Tot Ion:244 Resp: 890705

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

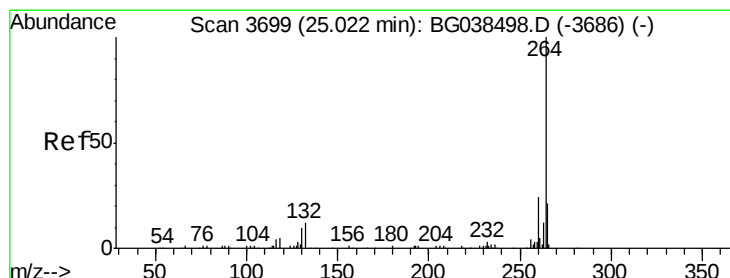
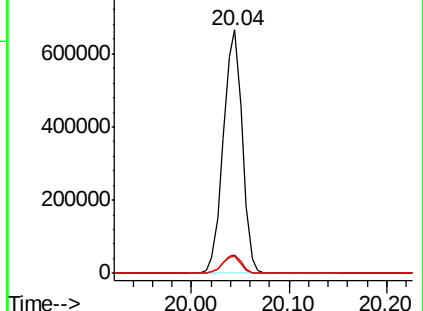
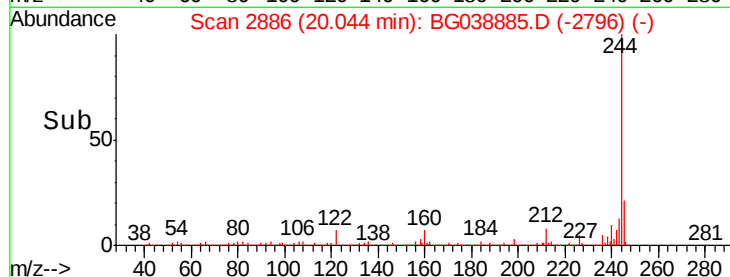
122 7.0 6.3 9.5



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: BG038885.D

Acq: 28 Dec 2018 22:27

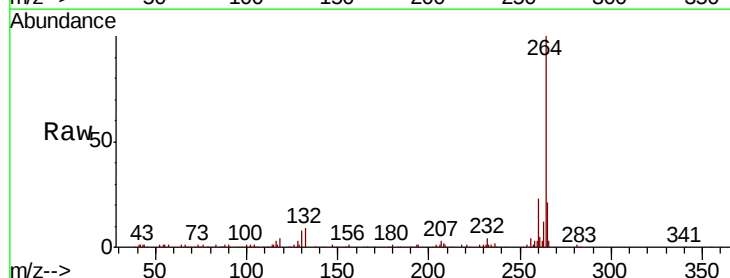
Tgt Ion:264 Resp: 191188

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 21.1 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

