

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038920.D
 Acq On : 4 Jan 2019 1:54
 Operator : JU/SJ
 Sample : K1017-24
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:14:48 2019
 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

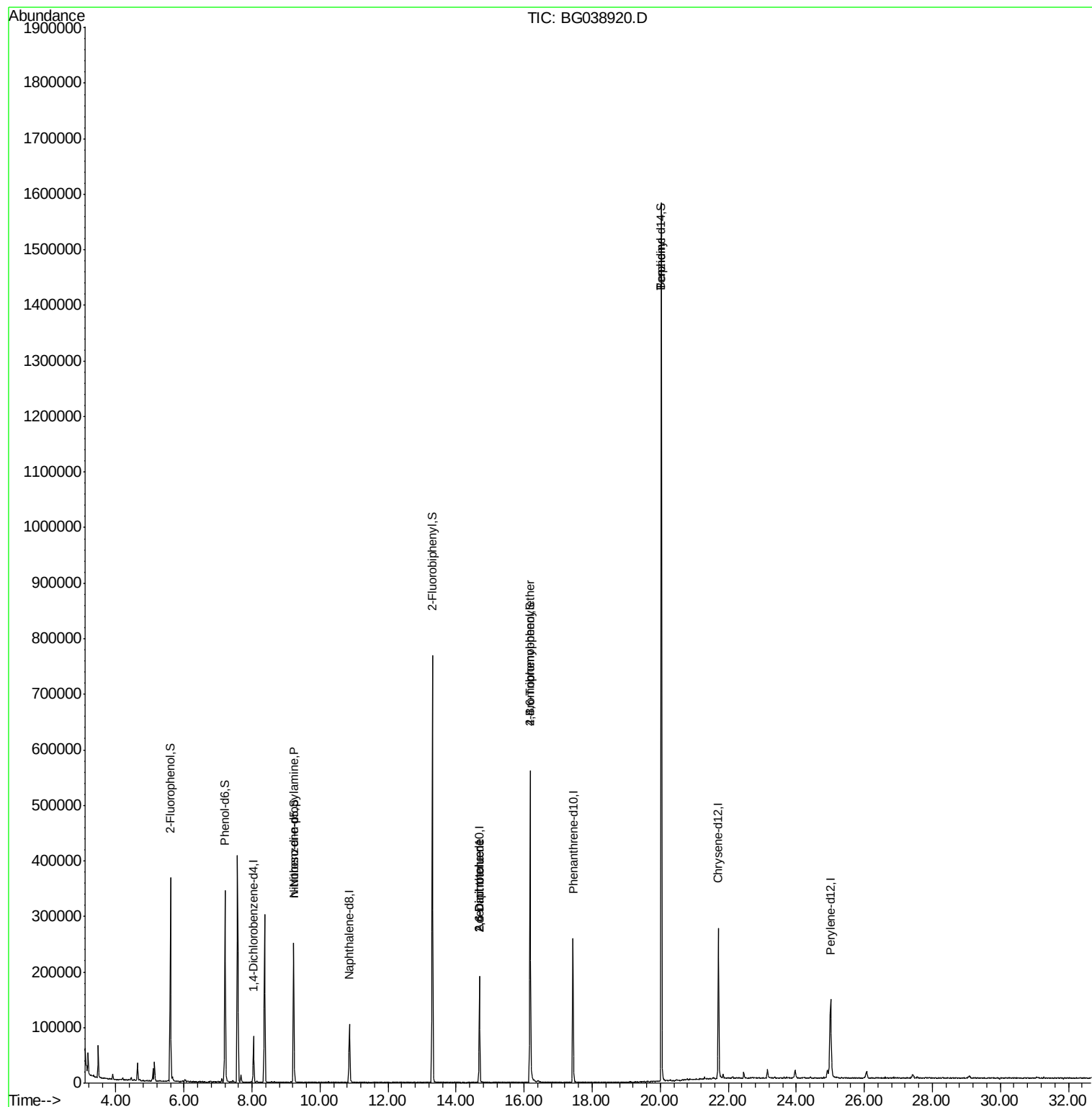
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24486	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	97755	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	71219	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	185204	20.00	ng	0.00
76) Chrysene-d12	21.71	240	188714	20.00	ng	-0.01
87) Perylene-d12	25.00	264	196386	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	160687	116.39	ng	0.00
7) Phenol-d6	7.21	99	196785	103.83	ng	0.00
23) Nitrobenzene-d5	9.22	82	153451	80.19	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	131914	134.40	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	430129	82.85	ng	-0.01
79) Terphenyl-d14	20.04	244	866921	99.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	20750	15.589	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	9238	7.009	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	9238	4.976	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	8383	3.706	ng	# 1
77) Benzidine	20.03	184	13988	2.506	ng	# 92

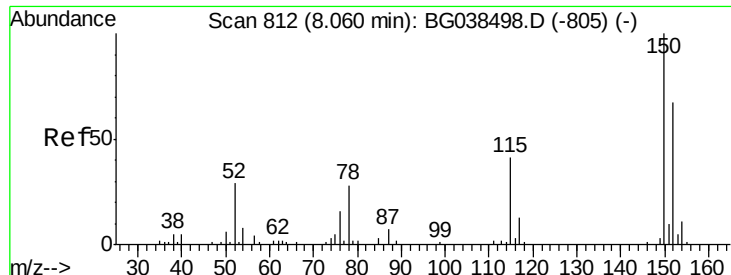
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



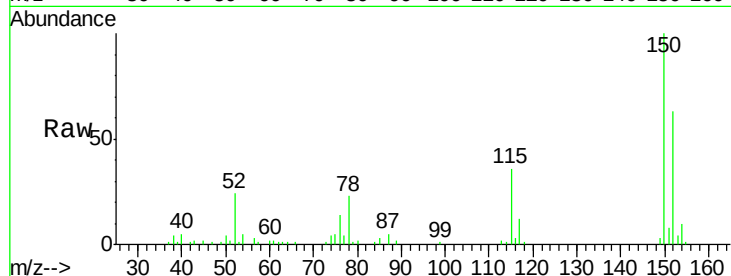


#1

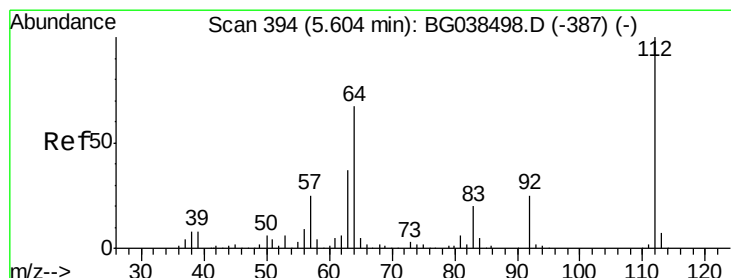
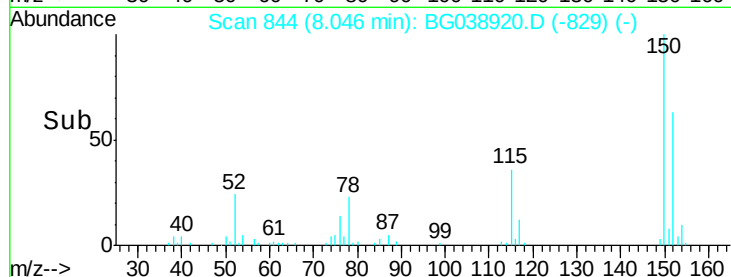
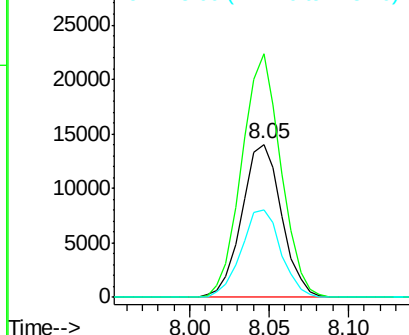
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24486
Ion Ratio Lower Upper
152 100
150 159.0 119.5 179.3
115 56.8 49.6 74.4



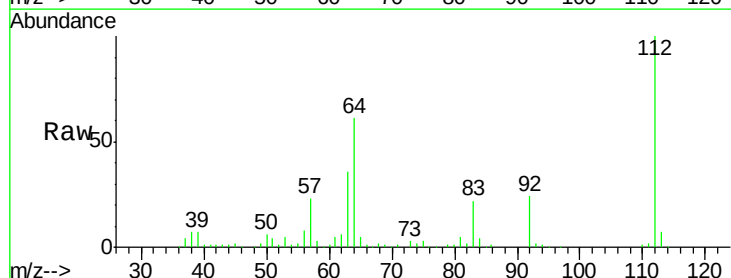
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



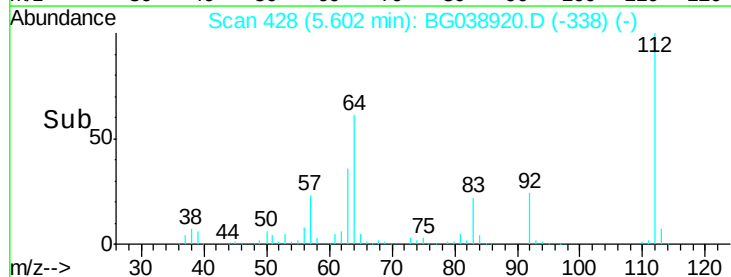
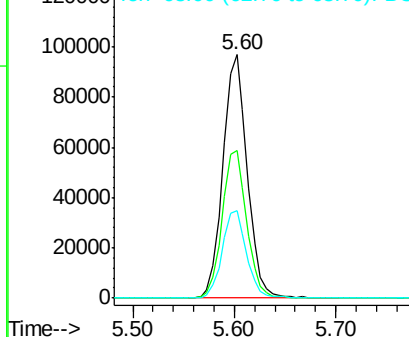
#5

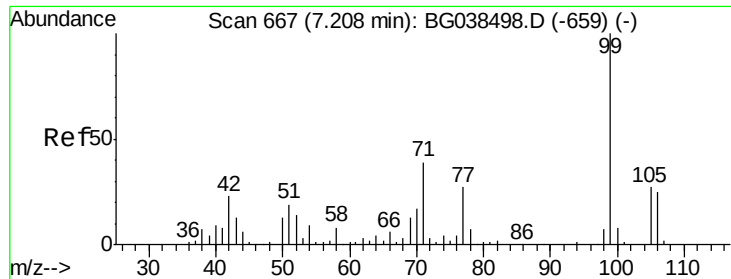
2-Fluorophenol
Concen: 116.394 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Tgt Ion:112 Resp: 160687
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 36.0 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 103.832 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

Instrument :

BNA_G

ClientSampled :

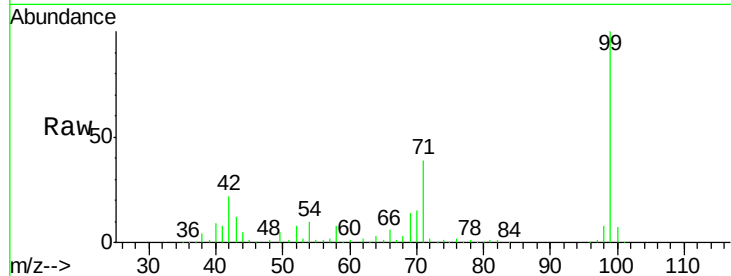
Tot Ion: 99 Resp: 196785

Ion Ratio Lower Upper

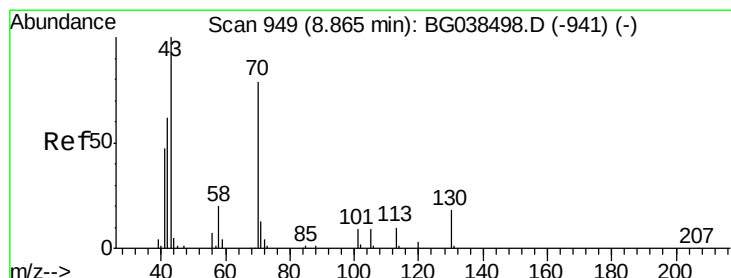
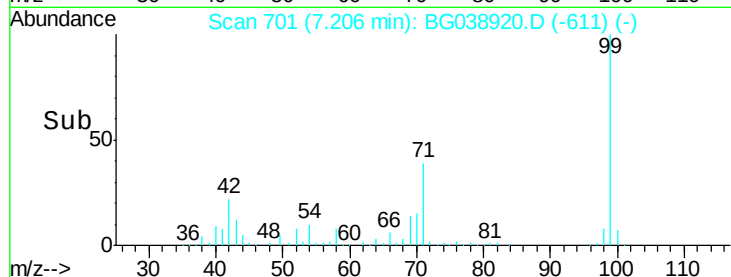
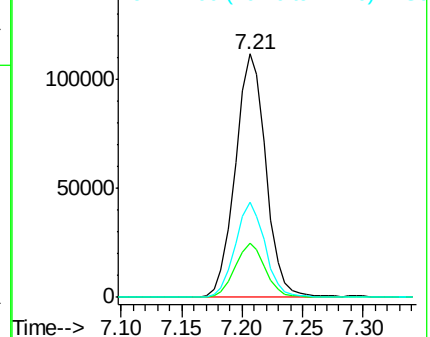
99 100

42 22.1 18.5 27.7

71 39.0 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: 15.589 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

Tgt Ion: 70 Resp: 20750

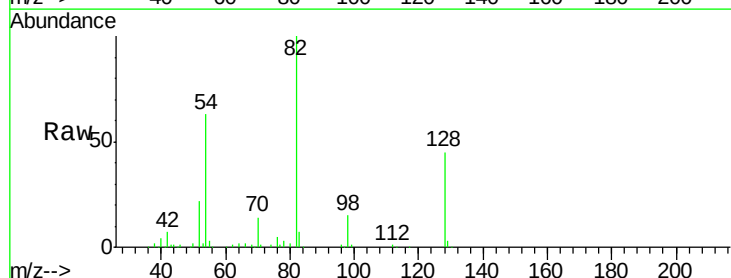
Ion Ratio Lower Upper

70 100

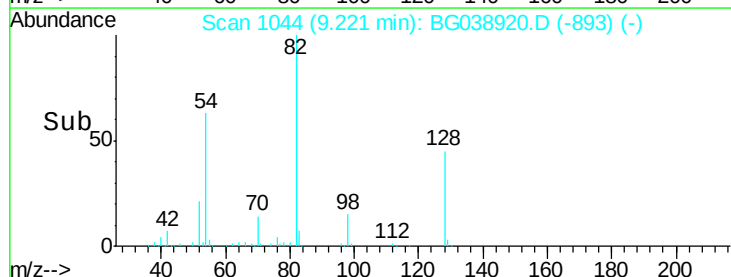
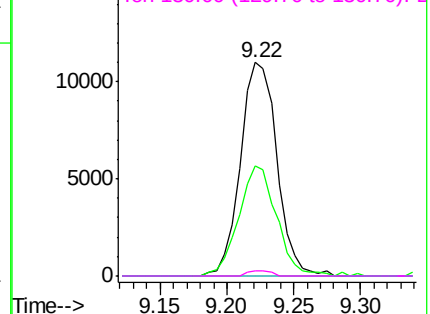
42 51.3 63.6 95.4#

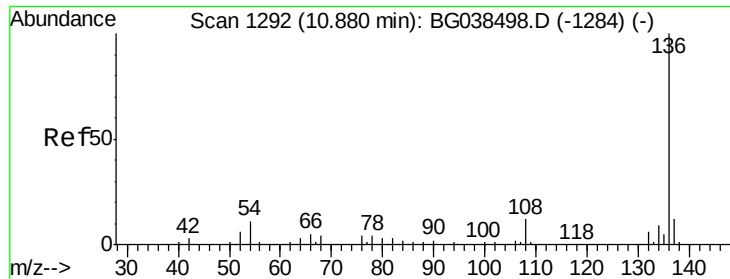
101 0.0 9.2 13.8#

130 2.5 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

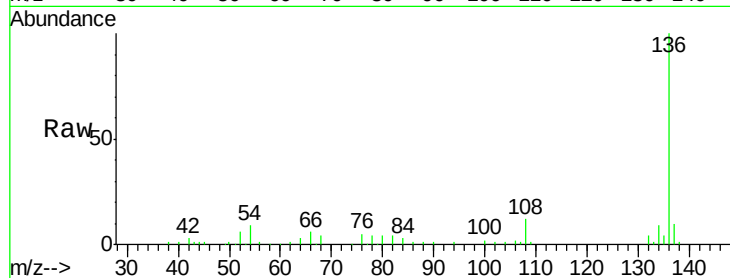




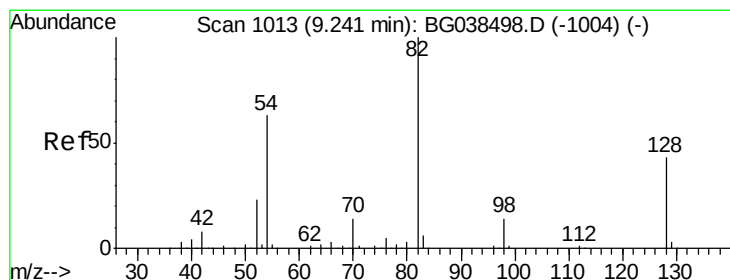
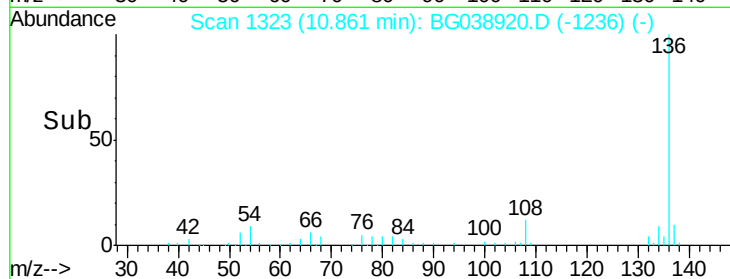
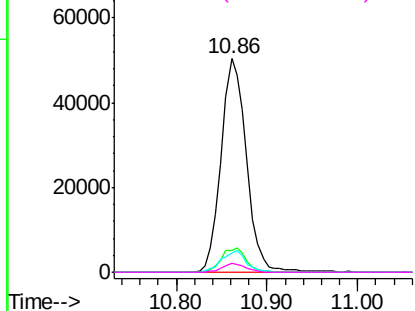
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	97755
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.3 13.9
54	9.1	8.5 12.7
68	4.1	3.5 5.3

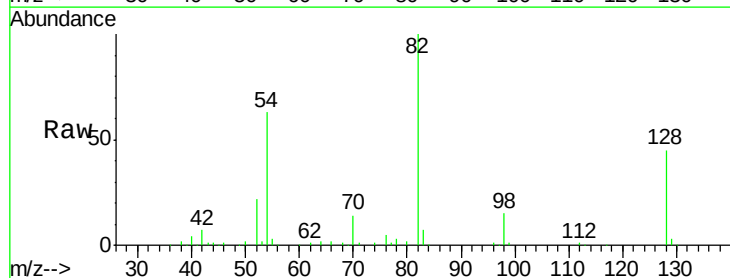


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

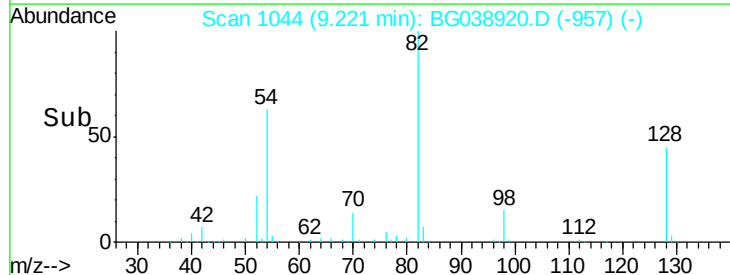
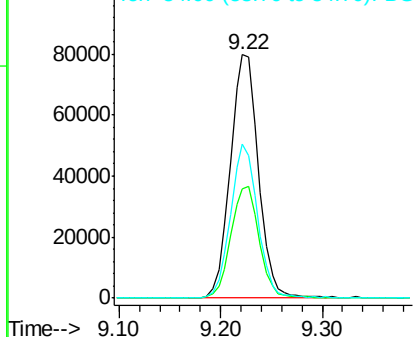


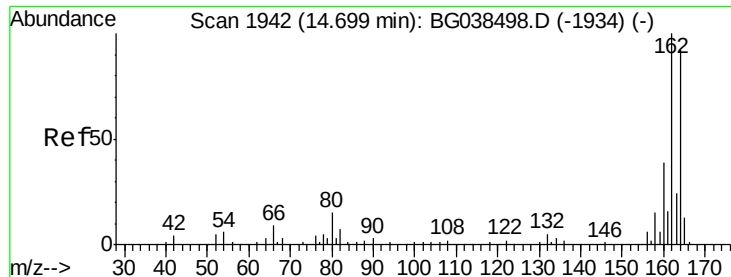
#23
Nitrobenzene-d5
Concen: 80.194 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Tgt Ion: 82	Resp:	153451
Ion Ratio	Lower	Upper
82	100	
128	44.9	34.6 52.0
54	63.2	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

Instrument :

BNA_G

ClientSampleId :

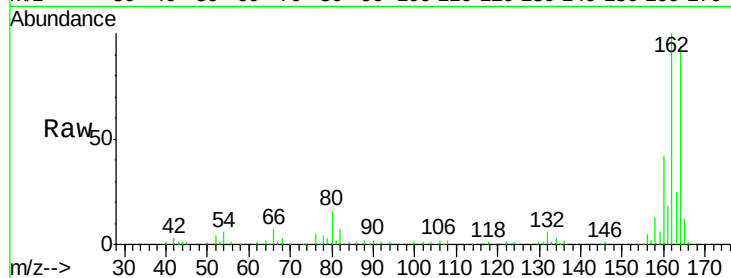
Tot Ion:164 Resp: 71219

Ion Ratio Lower Upper

164 100

162 106.2 86.6 130.0

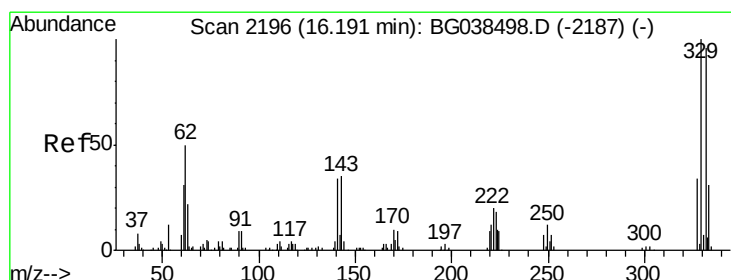
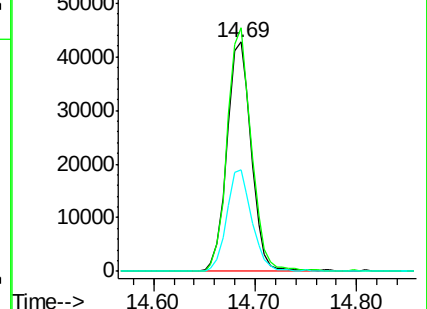
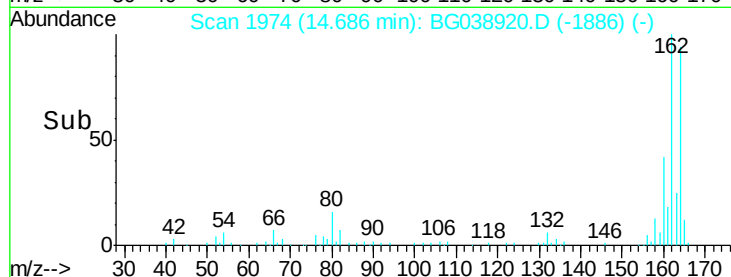
160 44.5 34.2 51.2



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: 134.397 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

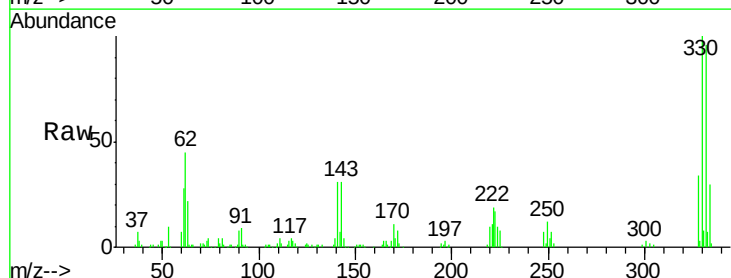
Tgt Ion:330 Resp: 131914

Ion Ratio Lower Upper

330 100

332 93.3 76.9 115.3

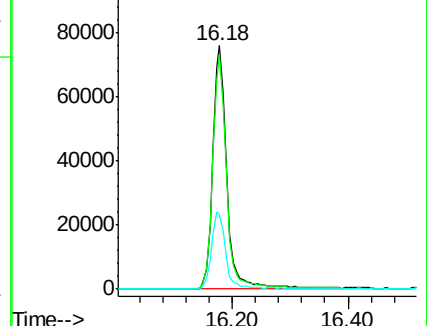
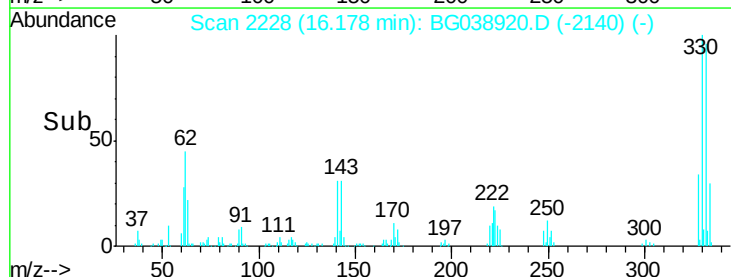
141 31.5 28.8 43.2

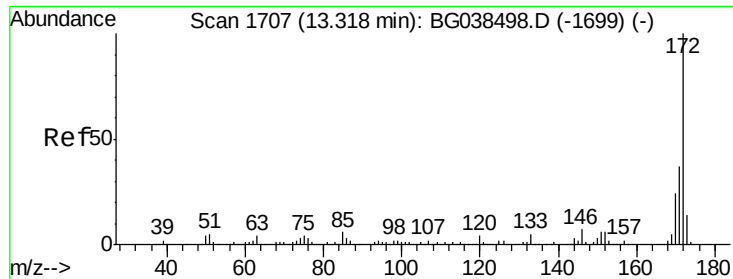


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

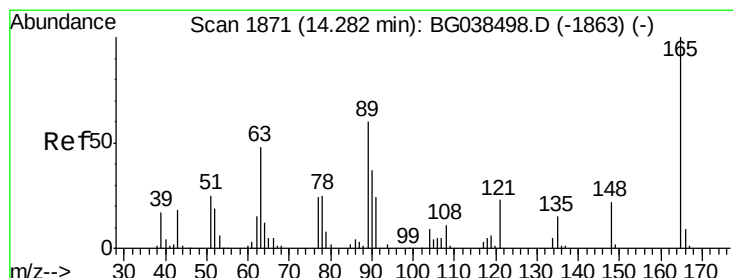
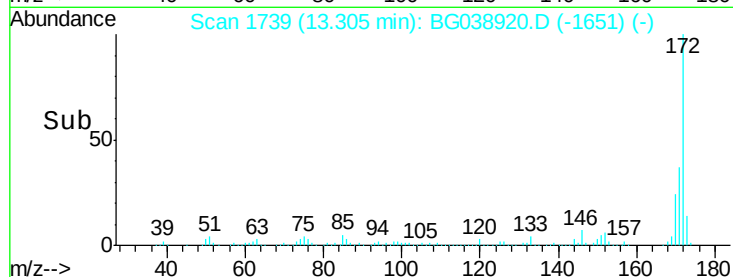
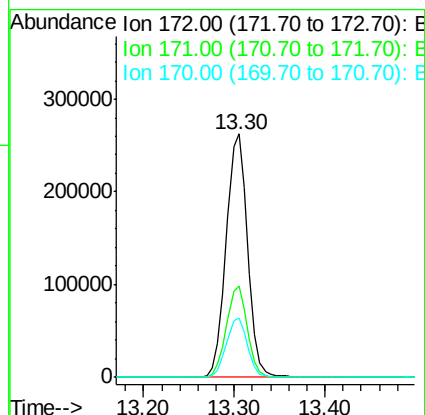
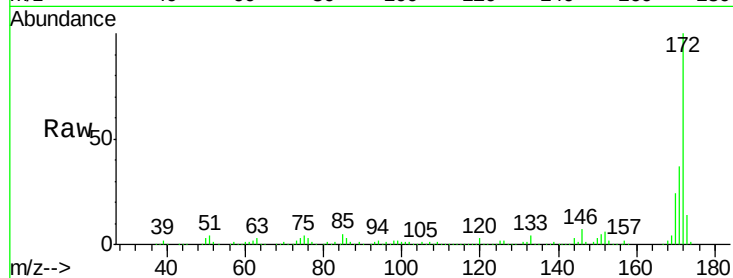




#45
 2-Fluorobiphenyl
 Concen: 82.853 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038920.D
 Acq: 4 Jan 2019 1:54

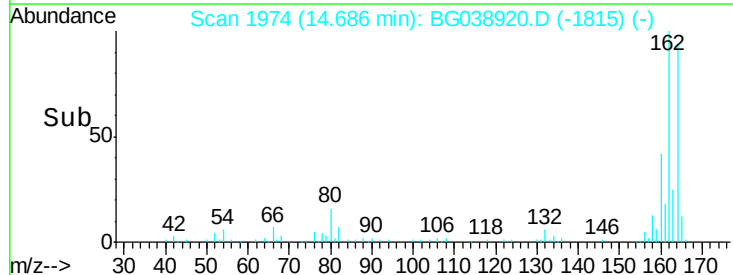
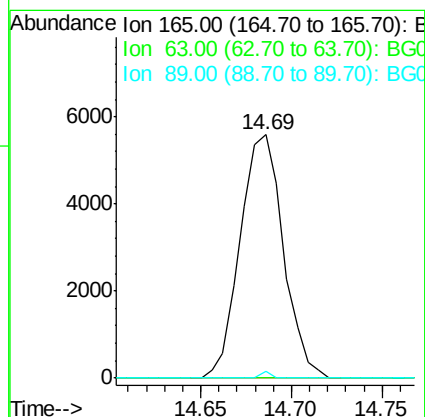
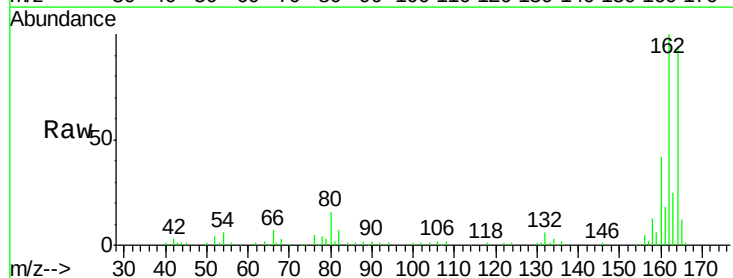
Instrument :
 BNA_G
 ClientSampleId :

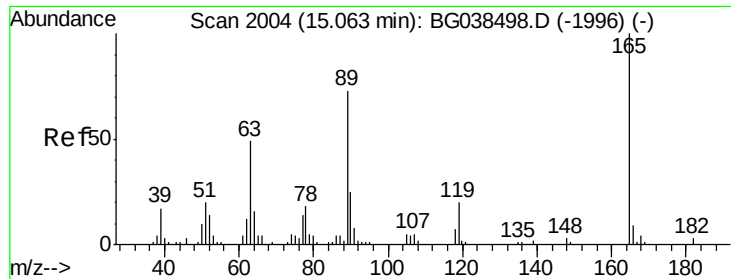
Tot Ion:172 Resp: 430129
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 24.2 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.009 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038920.D
 Acq: 4 Jan 2019 1:54

Tgt Ion:165 Resp: 9238
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 2.8 47.9 71.9#

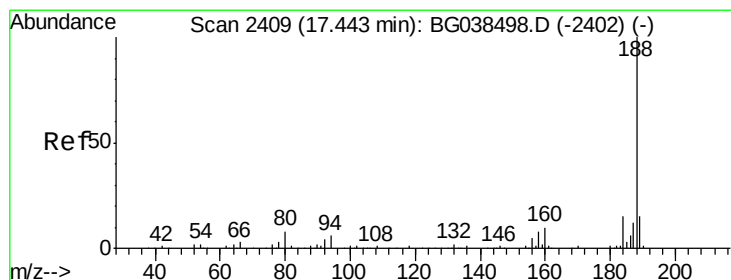
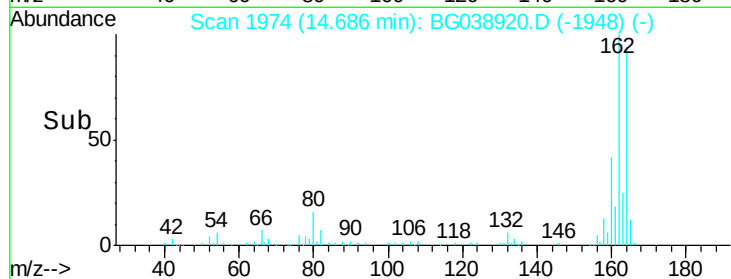
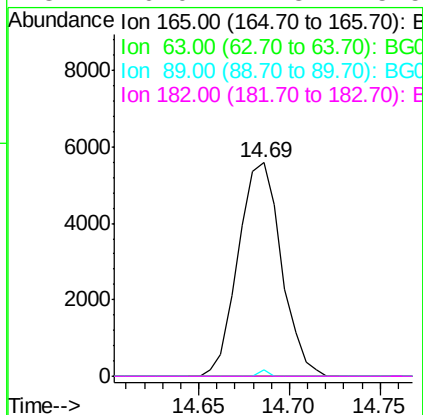
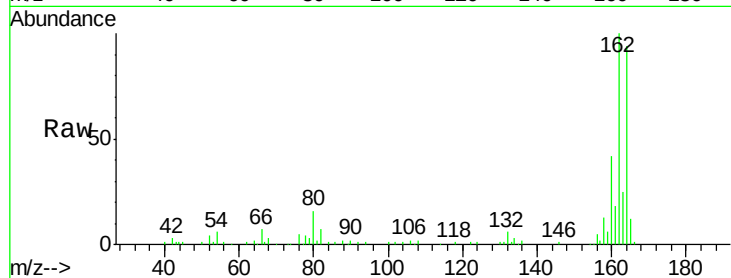




#57
 2,4-Dinitrotoluene
 Concen: 4.976 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038920.D
 Acq: 4 Jan 2019 1:54

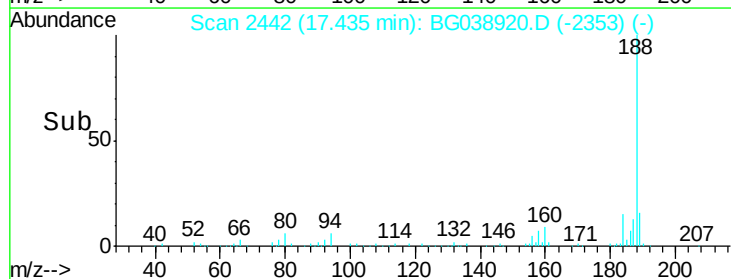
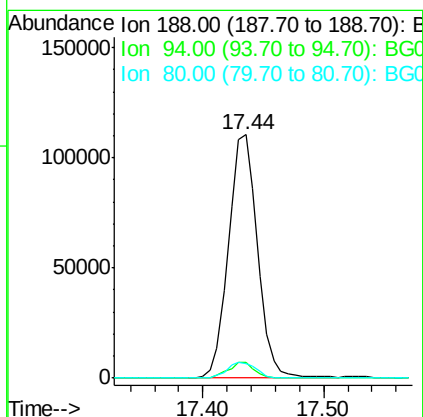
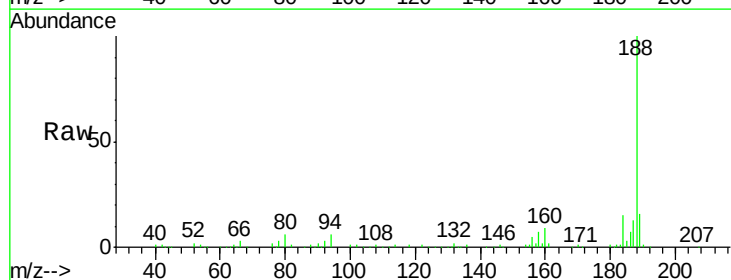
Instrument :
 BNA_G
 ClientSampleId :

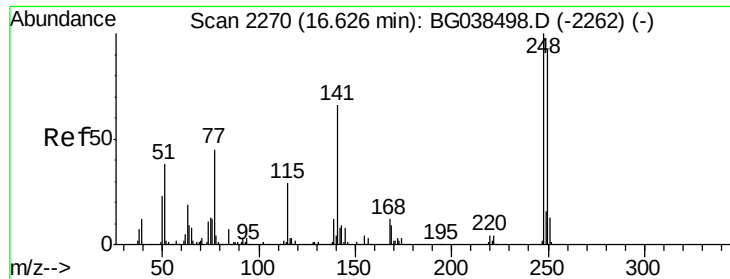
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.8	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038920.D
 Acq: 4 Jan 2019 1:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.1	7.7
80	6.0	6.1	9.1#

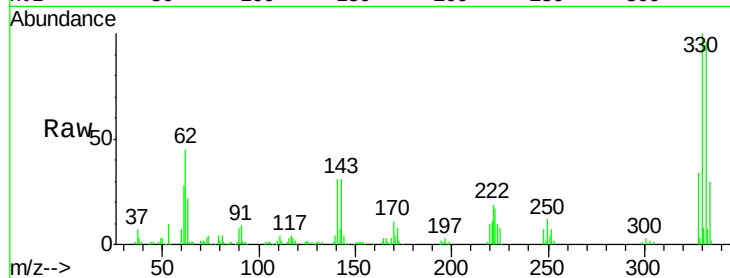




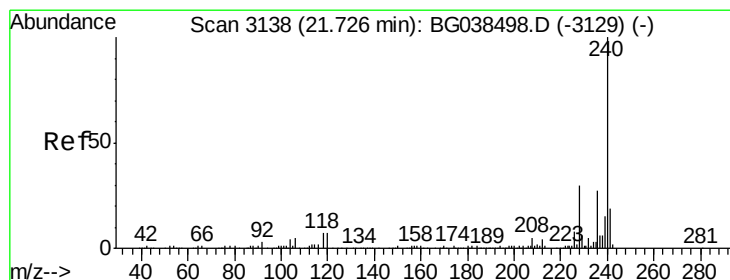
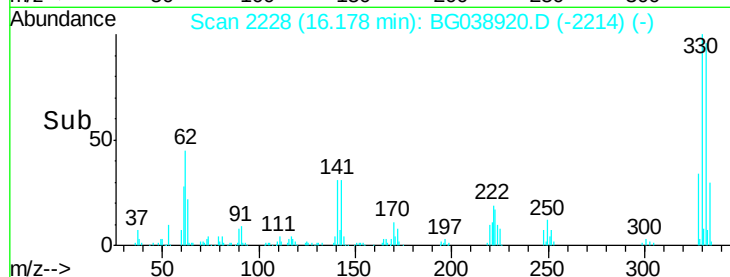
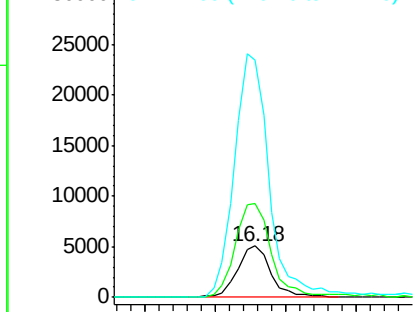
#67
4-Bromophenyl-phenylether
Concen: 3.706 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8383
Ion Ratio Lower Upper
248 100
250 176.2 73.4 110.2#
141 340.5 52.9 79.3#

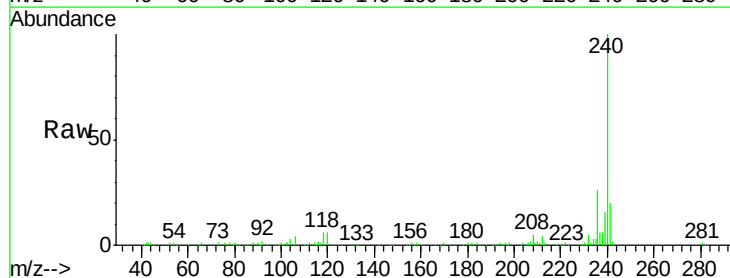


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

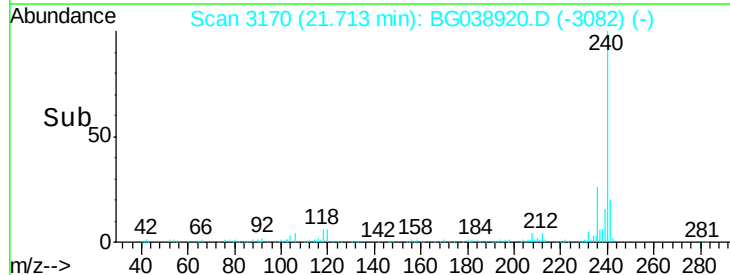
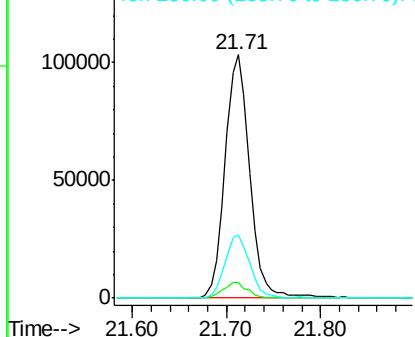


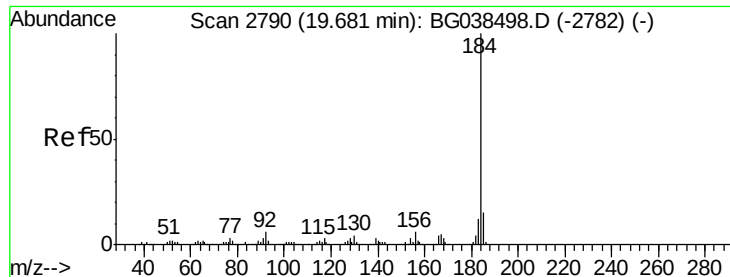
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038920.D
Acq: 4 Jan 2019 1:54

Tgt Ion:240 Resp: 188714
Ion Ratio Lower Upper
240 100
120 6.5 5.3 7.9
236 25.8 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: 2.506 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

Instrument :

BNA_G

ClientSampled :

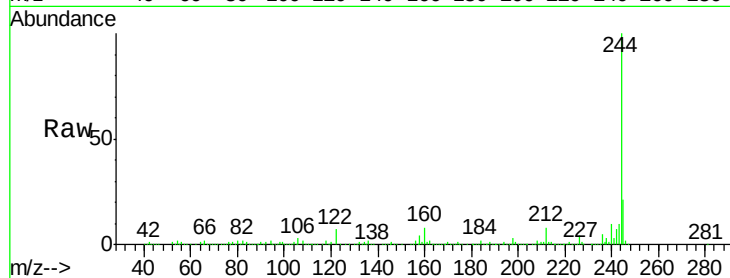
Tot Ion:184 Resp: 13988

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

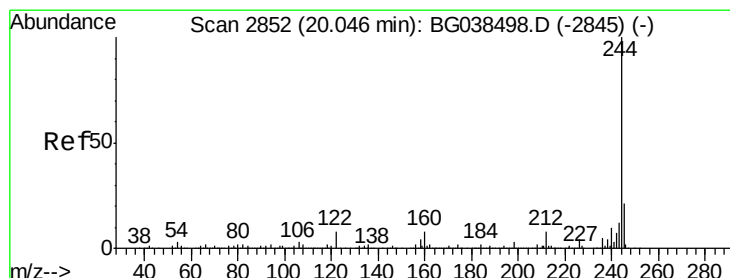
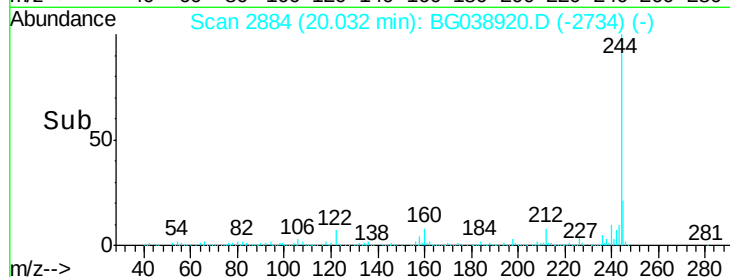
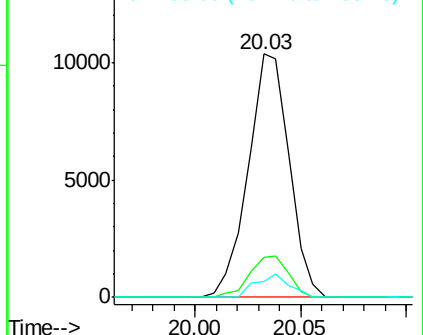
183 6.5 9.6 14.4#



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: 99.977 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038920.D

Acq: 4 Jan 2019 1:54

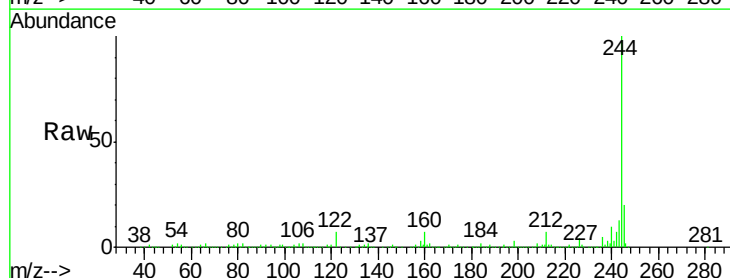
Tgt Ion:244 Resp: 866921

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

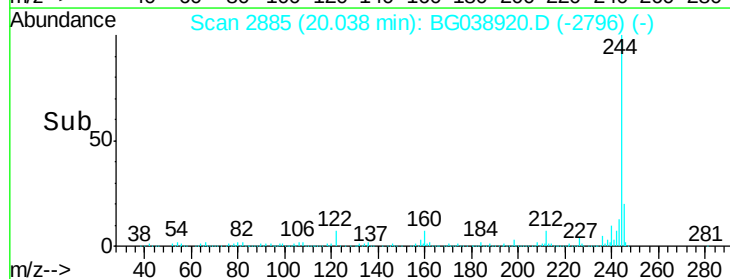
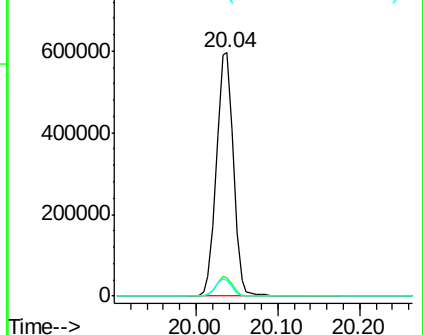
122 6.7 6.3 9.5

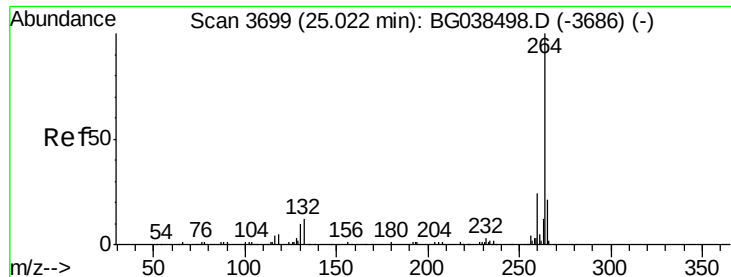


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

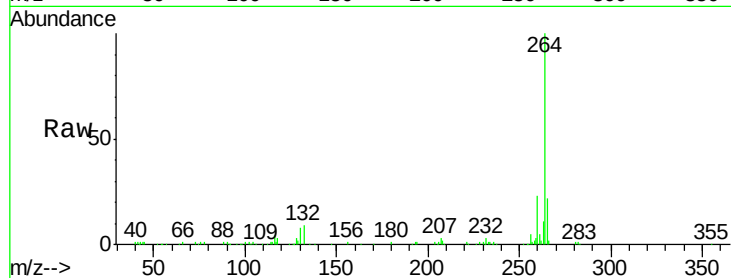




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.02 min
 Lab File: BG038920.D
 Acq: 4 Jan 2019 1:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	196386
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.9	28.3
265	22.1	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

