

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038983.D
 Acq On : 8 Jan 2019 1:43
 Operator : JU/SJ
 Sample : PB116227BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:12:54 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

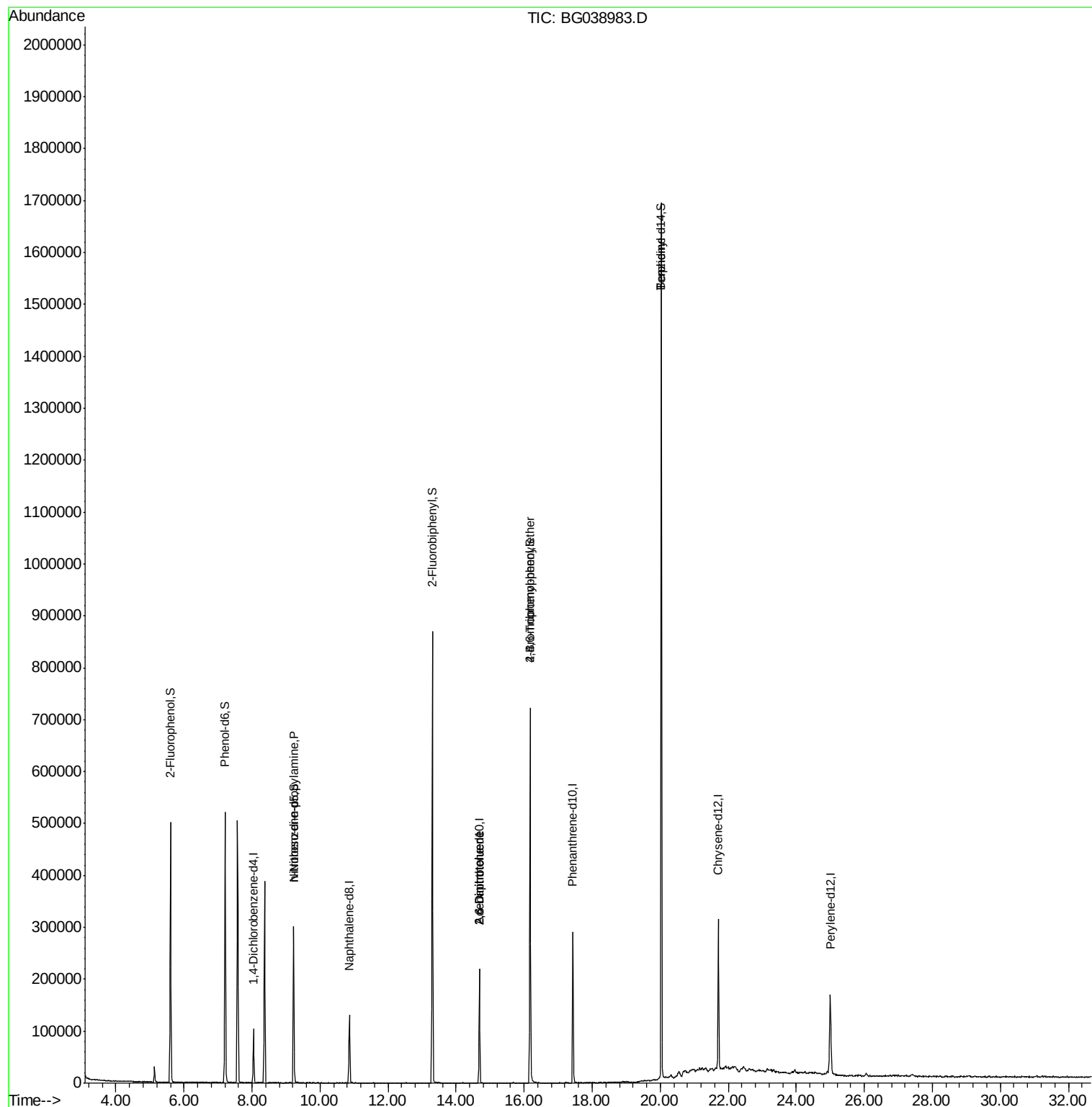
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	30584	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	118860	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	81915	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	201884	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	195242	20.00	ng	-0.02
87) Perylene-d12	25.00	264	205584	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	222162	128.84	ng	0.00
7) Phenol-d6	7.21	99	301769	127.48	ng	0.00
23) Nitrobenzene-d5	9.22	82	182918	78.62	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	159975	141.70	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	498336	83.46	ng	-0.01
79) Terphenyl-d14	20.03	244	859016	95.75	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	24490	14.730	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	10336	6.818	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10336	4.841	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10427	4.229	ng	# 1
77) Benzidine	20.03	184	14764	2.557	ng	# 95

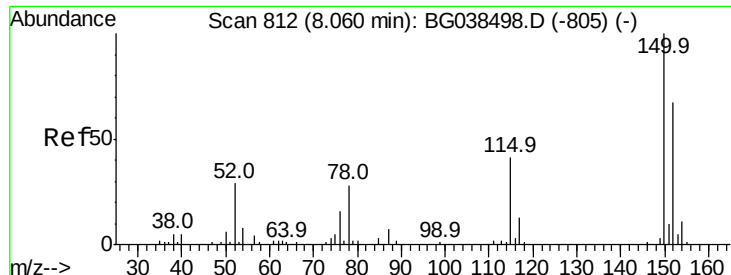
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



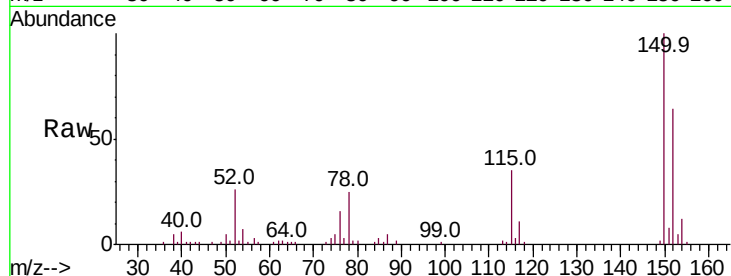


#1

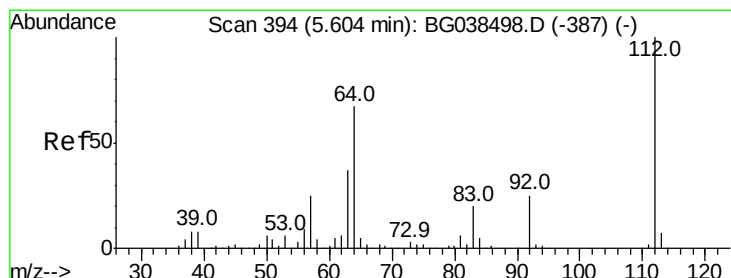
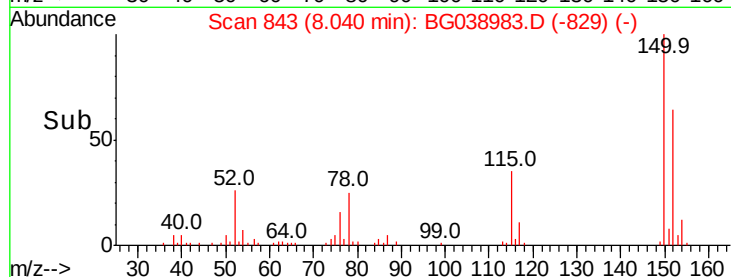
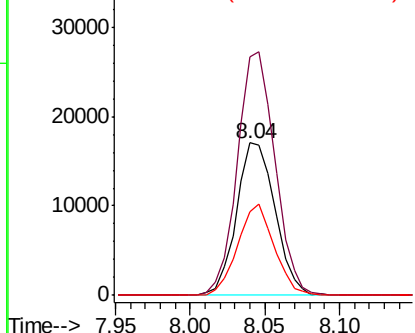
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038983.D
Acq: 8 Jan 2019 1:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30584
Ion Ratio Lower Upper
152 100
150 157.0 119.5 179.3
115 55.3 49.6 74.4



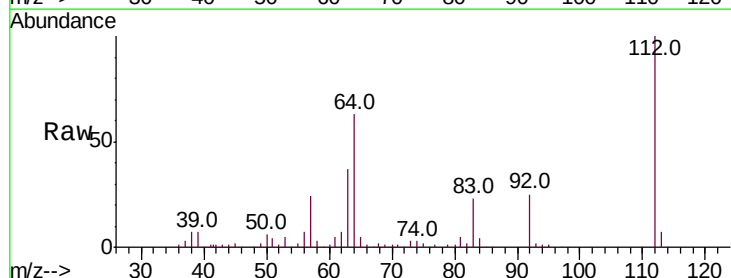
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



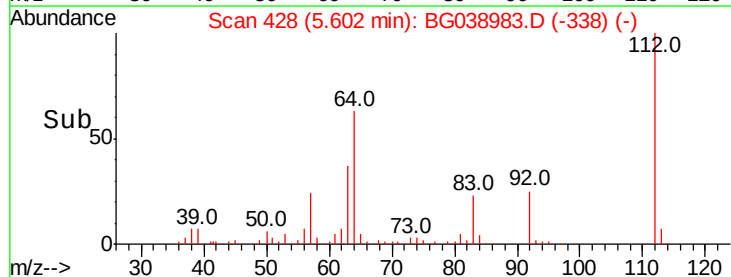
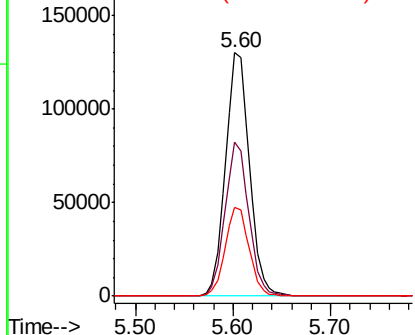
#5

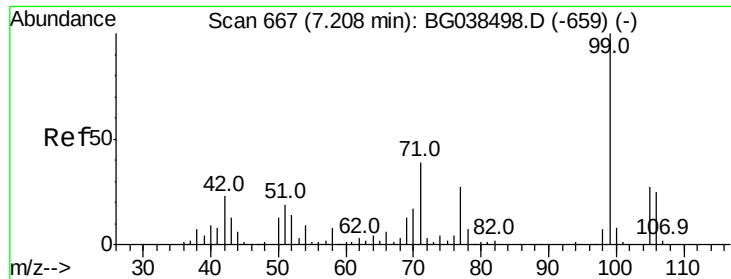
2-Fluorophenol
Concen: 128.838 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038983.D
Acq: 8 Jan 2019 1:43

Tgt Ion:112 Resp: 222162
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 36.6 29.3 43.9



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





#7

Phenol-d6

Concen: 127.479 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038983.D

Acq: 8 Jan 2019 1:43

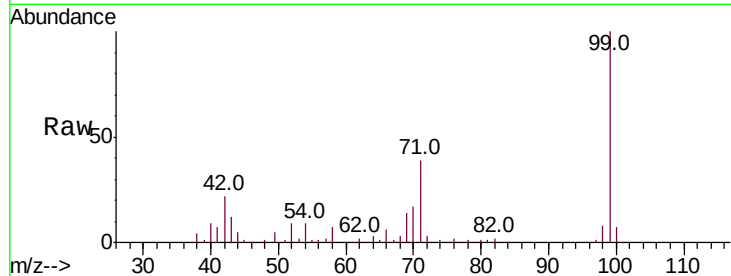
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 301769

Ion	Ratio	Lower	Upper
99	100		
42	21.7	18.5	27.7
71	38.7	31.1	46.7

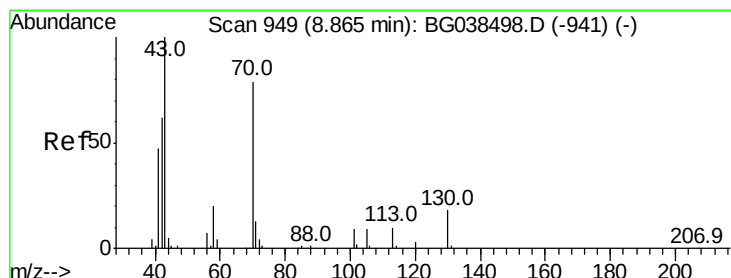
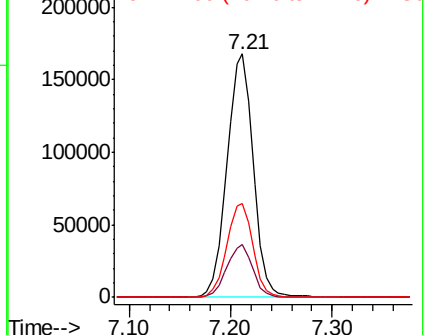
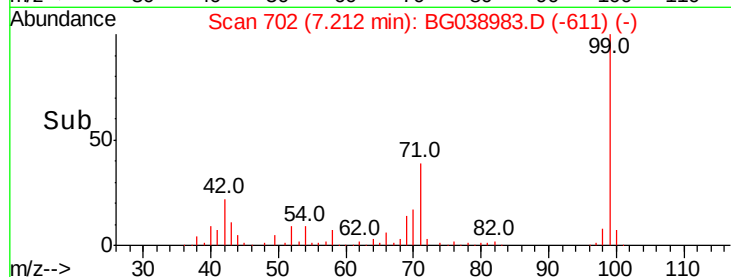


Abundance

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: 14.730 ng

RT: 9.22 min Scan# 1044

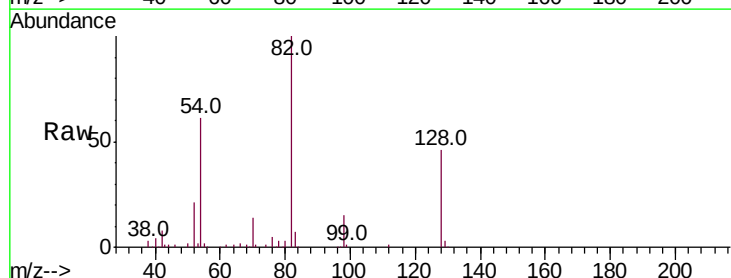
Delta R.T. 0.36 min

Lab File: BG038983.D

Acq: 8 Jan 2019 1:43

Tgt Ion: 70 Resp: 24490

Ion	Ratio	Lower	Upper
70	100		
42	54.5	63.6	95.4#
101	0.0	9.2	13.8#
130	2.0	18.5	27.7#



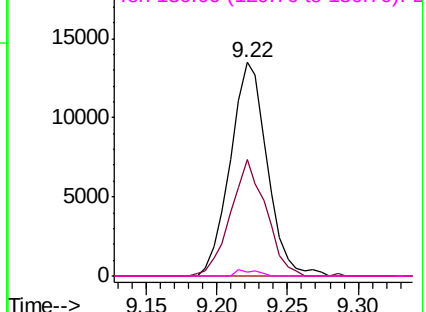
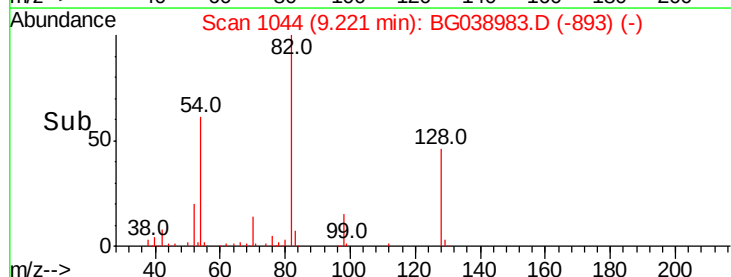
Abundance

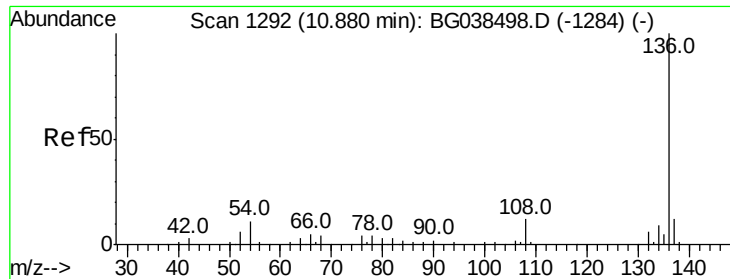
Ion 70.00 (69.70 to 70.70): BGC

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

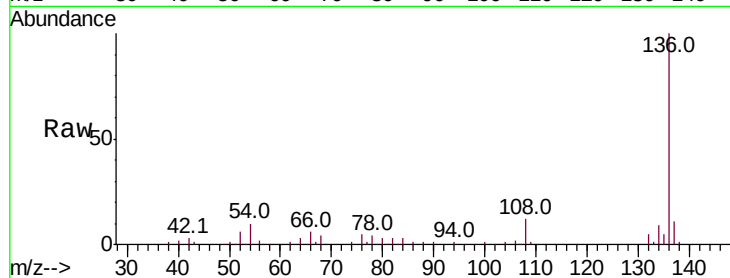




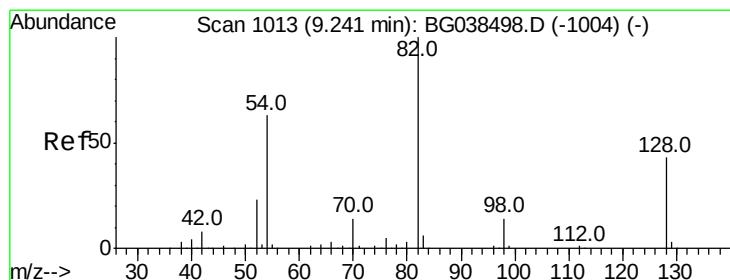
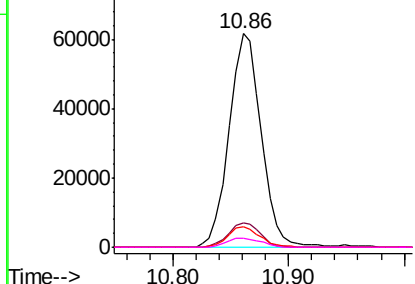
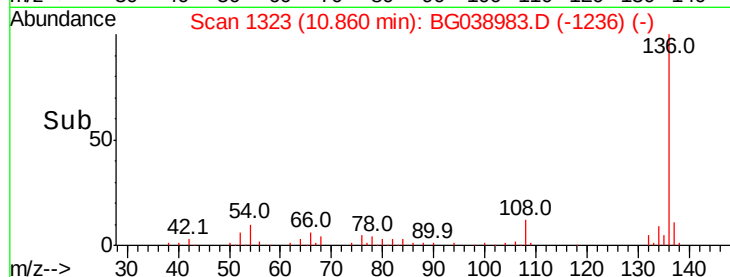
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038983.D
Acq: 8 Jan 2019 1:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	118860
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.3 13.9
54	9.7	8.5 12.7
68	4.2	3.5 5.3

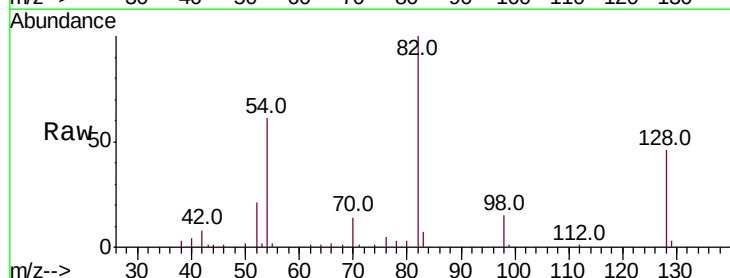


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

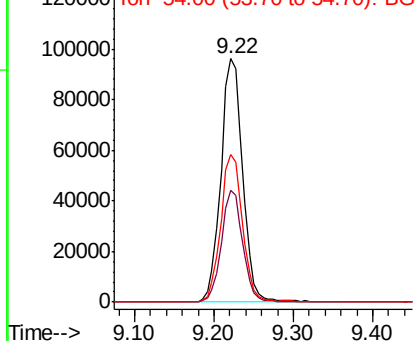
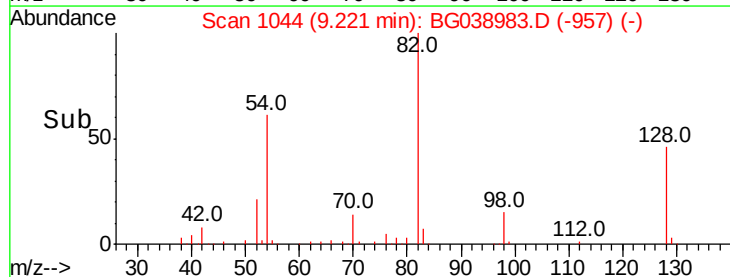


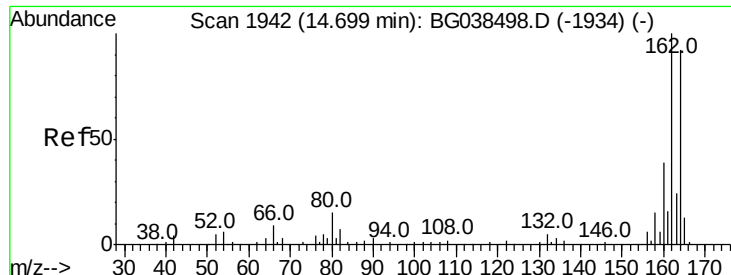
#23
Nitrobenzene-d5
Concen: 78.620 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038983.D
Acq: 8 Jan 2019 1:43

Tgt Ion: 82	Resp:	182918
Ion Ratio	Lower	Upper
82	100	
128	45.7	34.6 52.0
54	60.7	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: BG038983.D

Acq: 8 Jan 2019 1:43

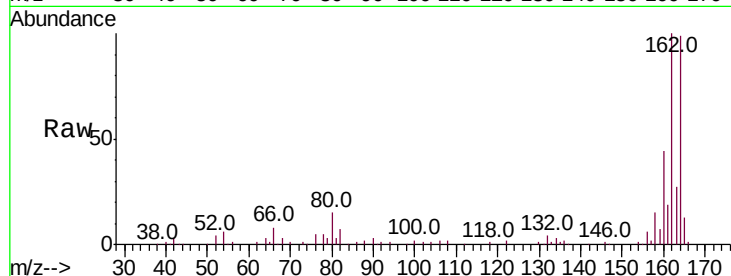
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 81915

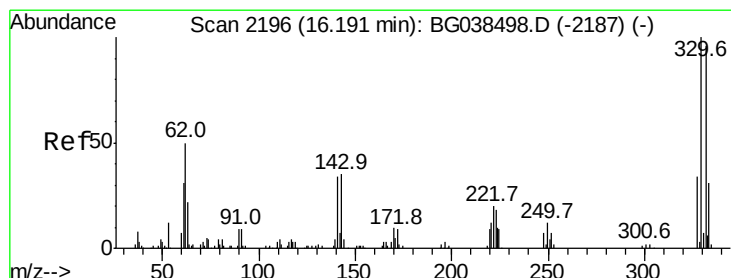
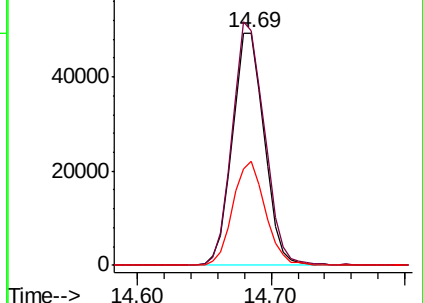
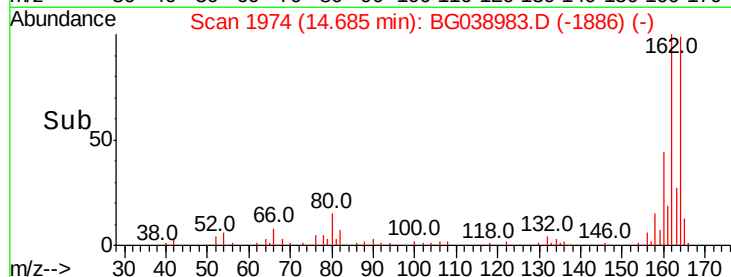
Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.6	130.0
160	44.8	34.2	51.2



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: 141.704 ng

RT: 16.18 min Scan# 2228

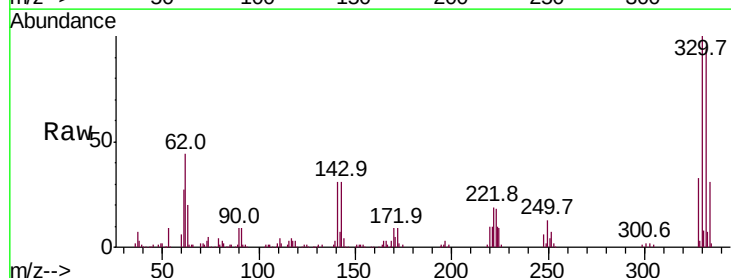
Delta R.T. -0.01 min

Lab File: BG038983.D

Acq: 8 Jan 2019 1:43

Tgt Ion:330 Resp: 159975

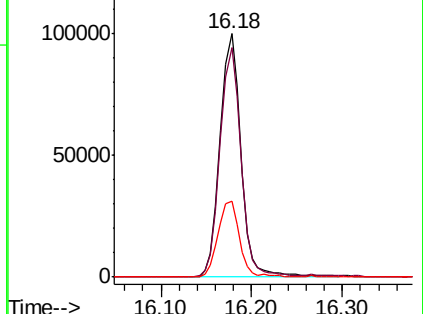
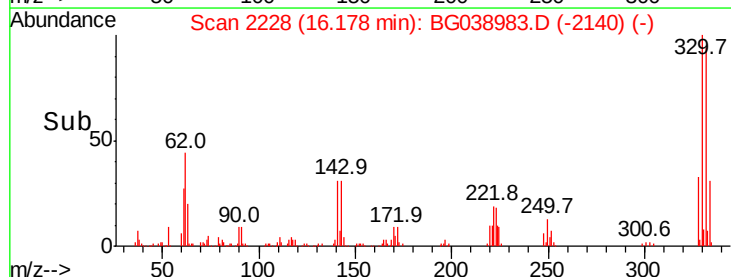
Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.9	115.3
141	32.1	28.8	43.2

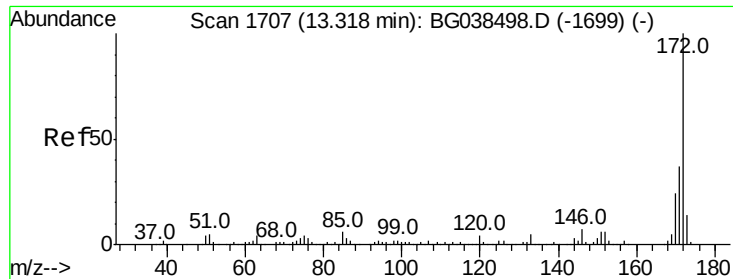


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

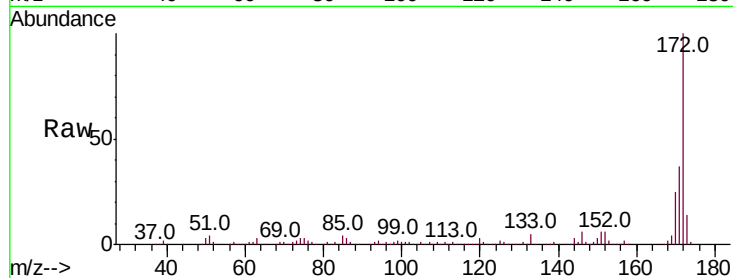




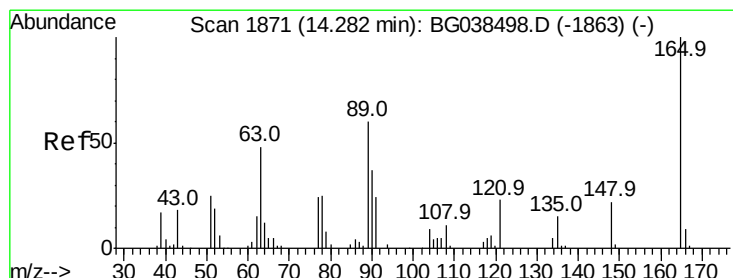
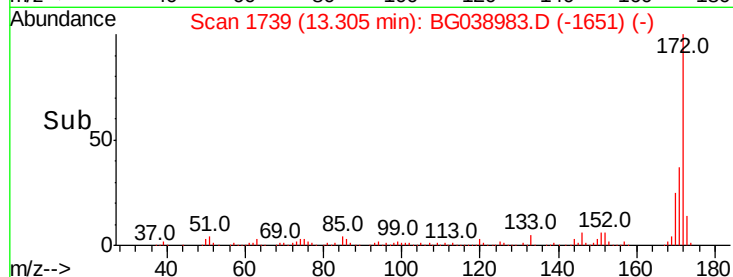
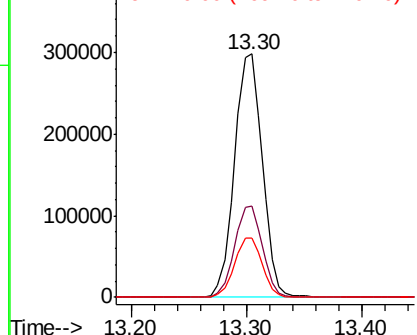
#45
 2-Fluorobiphenyl
 Concen: 83.457 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 498336
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 24.6 19.5 29.3

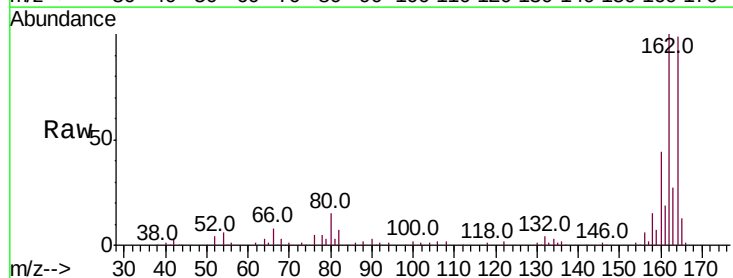


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

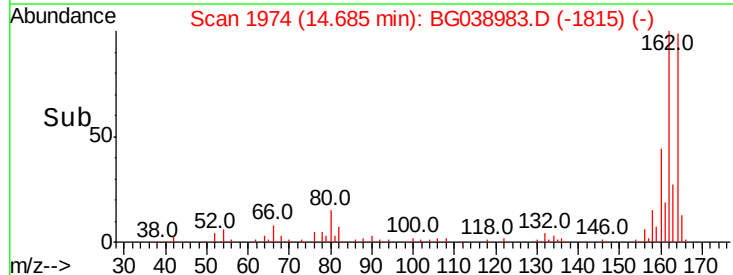
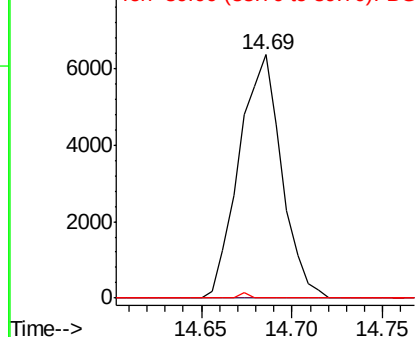


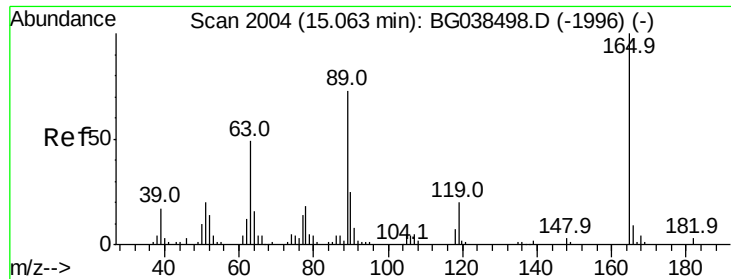
#51
 2,6-Dinitrotoluene
 Concen: 6.818 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Tgt Ion:165 Resp: 10336
 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

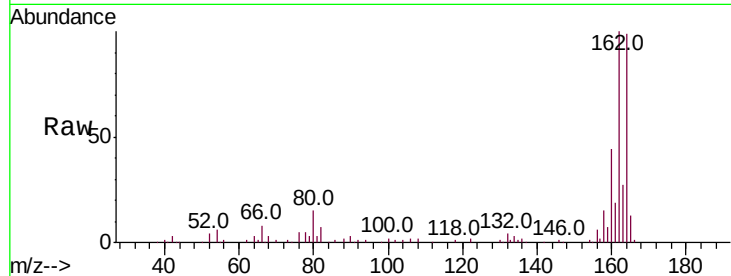




#57
 2,4-Dinitrotoluene
 Concen: 4.841 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Instrument :
 BNA_G
 ClientSampled :

Tot 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#

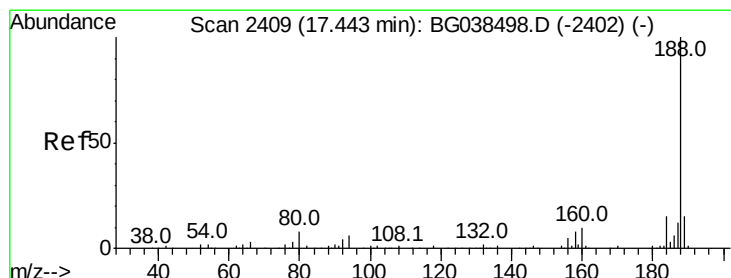
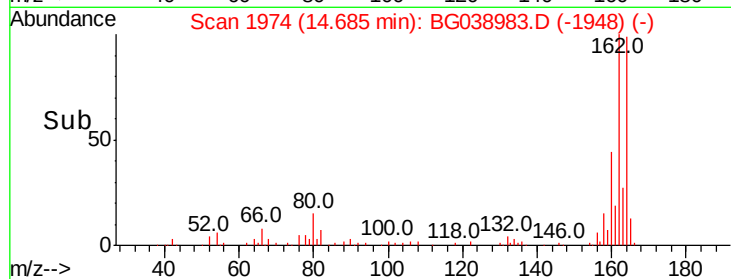
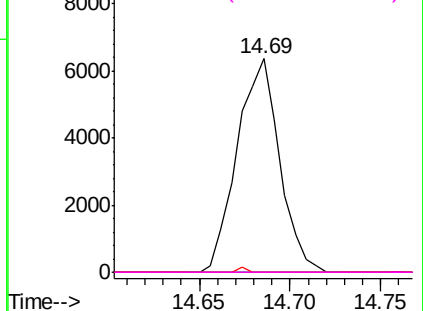


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

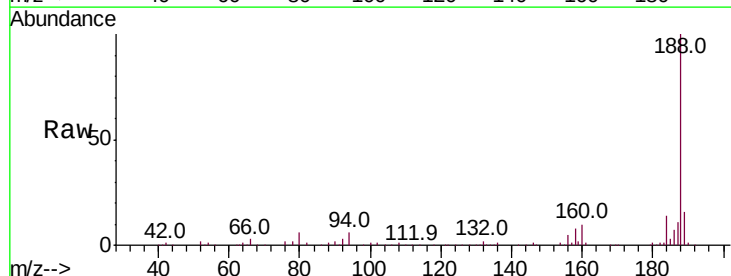
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

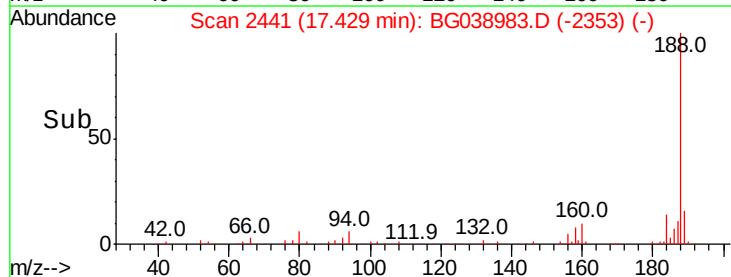
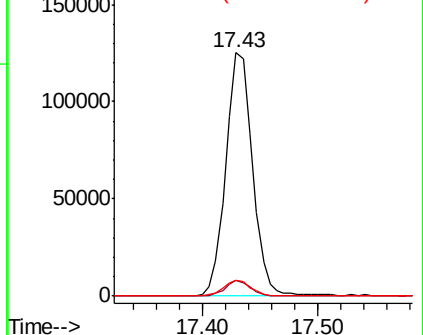
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	6.5	6.1	9.1

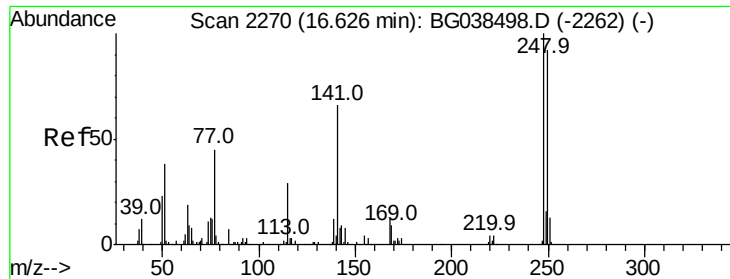


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

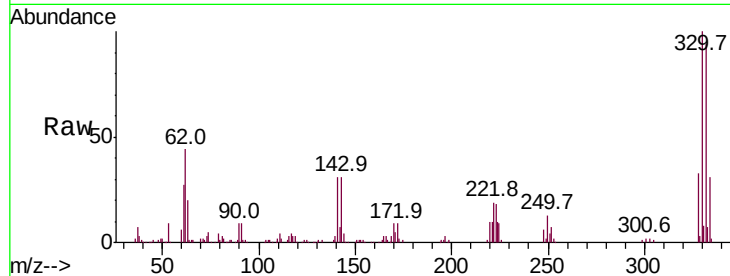




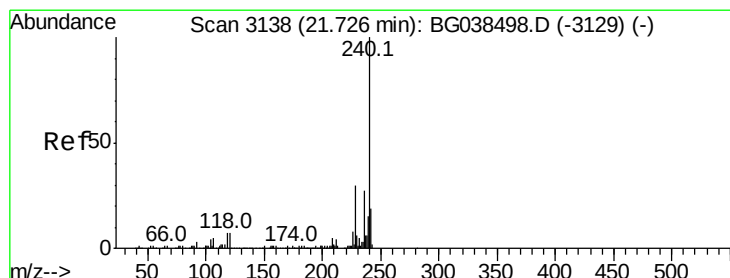
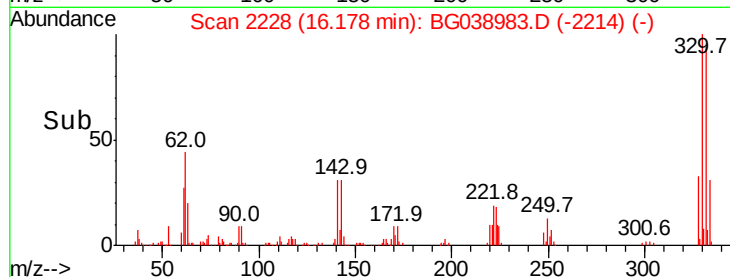
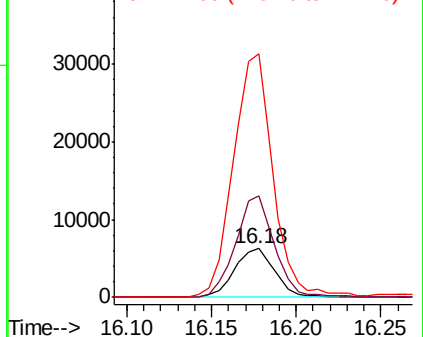
#67
 4-Bromophenyl-phenylether
 Concen: 4.229 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 10427
 Ion Ratio Lower Upper
 248 100
 250 206.3 73.4 110.2#
 141 378.9 52.9 79.3#

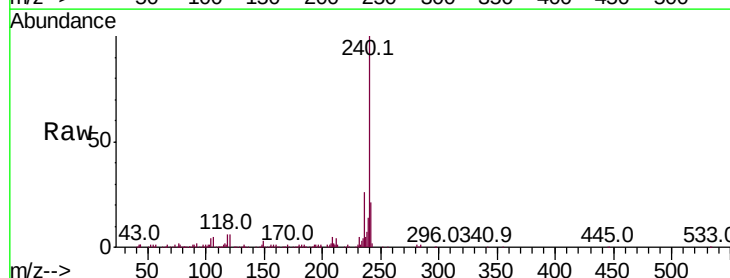


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

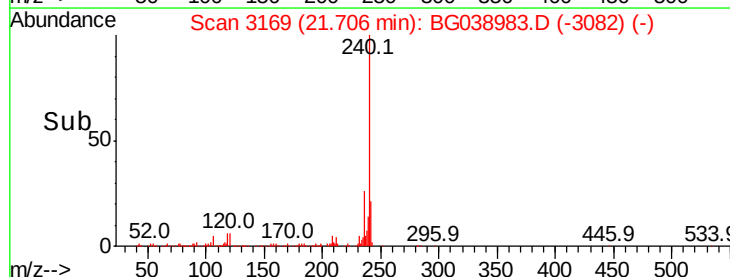
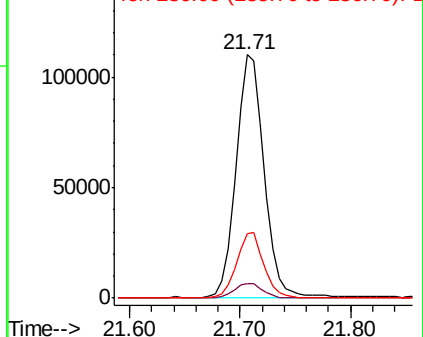


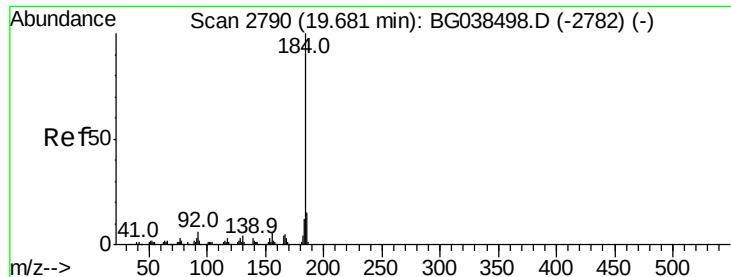
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Tgt Ion:240 Resp: 195242
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.3 7.9
 236 26.2 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: 2.557 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038983.D

Acq: 8 Jan 2019 1:43

Instrument :

BNA_G

ClientSampleId :

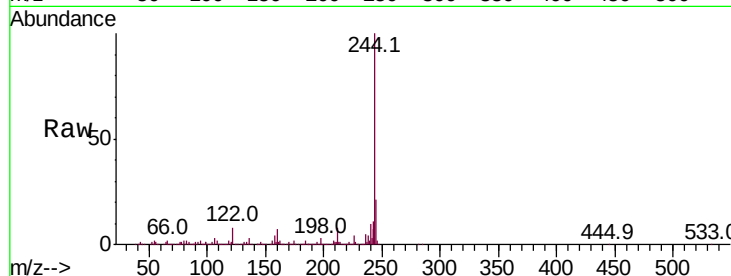
Tot Ion:184 Resp: 14764

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

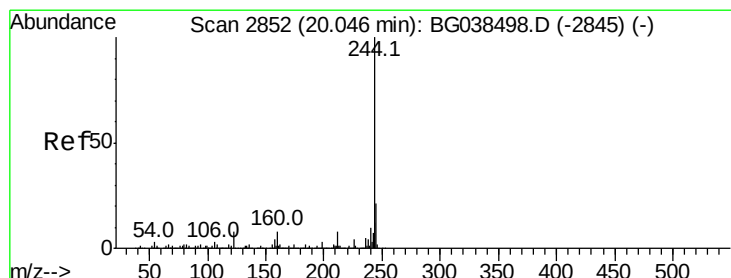
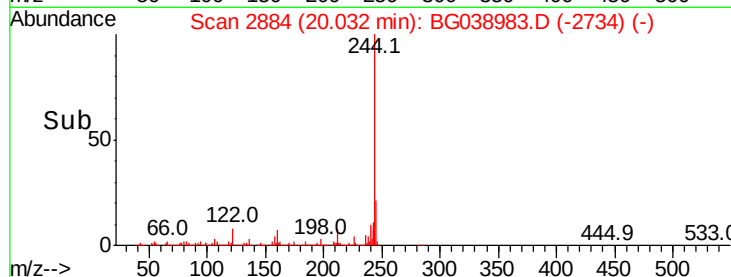
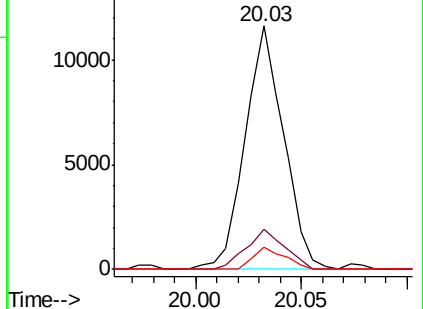
183 9.3 9.6 14.4#



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: 95.753 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038983.D

Acq: 8 Jan 2019 1:43

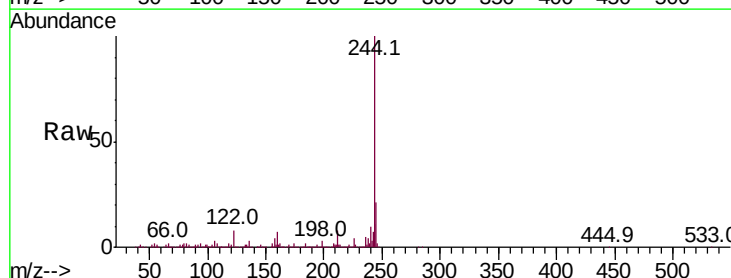
Tgt Ion:244 Resp: 859016

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

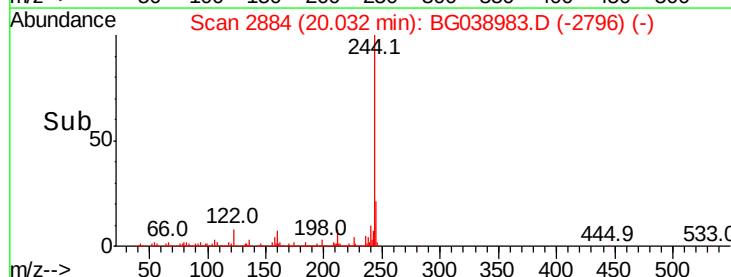
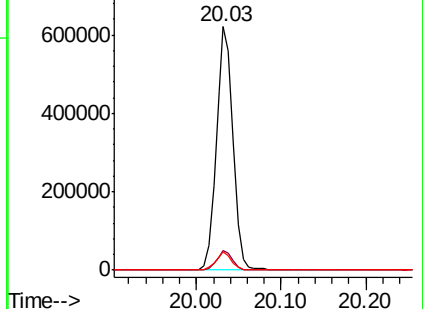
122 7.5 6.3 9.5

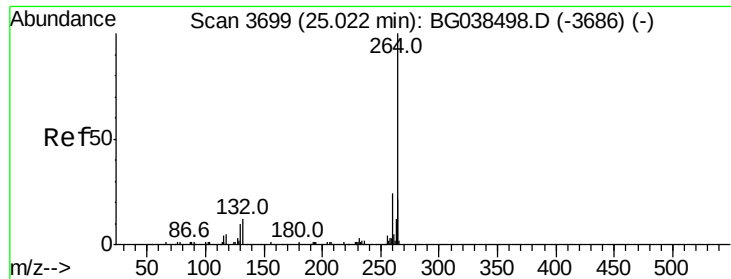


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

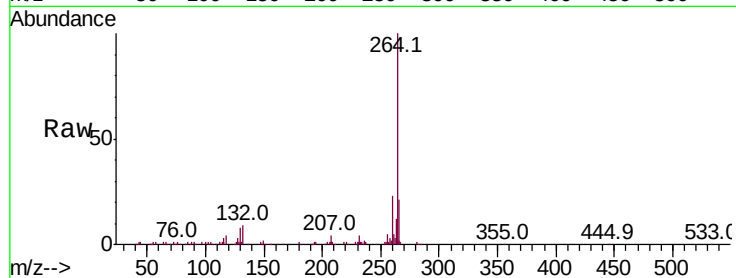




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3730
 Delta R.T. -0.02 min
 Lab File: BG038983.D
 Acq: 8 Jan 2019 1:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.9	28.3
265	20.6	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

