

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038912.D
 Acq On : 3 Jan 2019 20:40
 Operator : JU/SJ
 Sample : K1016-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:13:21 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

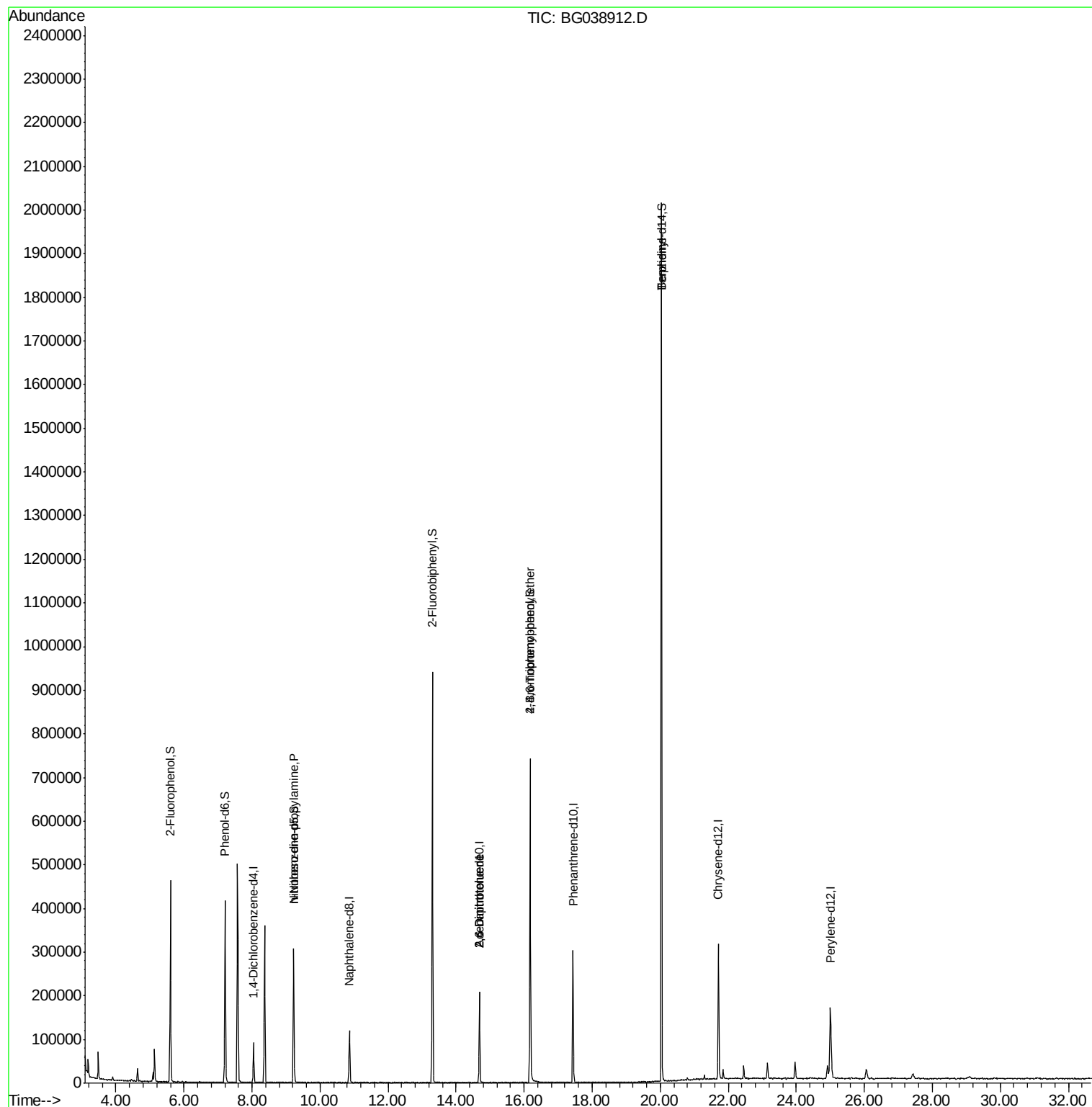
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27025	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	106605	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	79560	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	206889	20.00	ng	0.00
76) Chrysene-d12	21.71	240	206630	20.00	ng	-0.01
87) Perylene-d12	25.00	264	212949	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	198980	130.59	ng	0.00
7) Phenol-d6	7.21	99	246473	117.83	ng	0.00
23) Nitrobenzene-d5	9.23	82	185112	88.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	169375	154.47	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	499928	86.20	ng	-0.01
79) Terphenyl-d14	20.04	244	1012651	106.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	25175	17.136	ng	# 65
51) 2,6-Dinitrotoluene	14.69	165	10455	7.101	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	10455	5.042	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	10310	4.080	ng	# 1
77) Benzidine	20.04	184	16750	2.741	ng	# 94

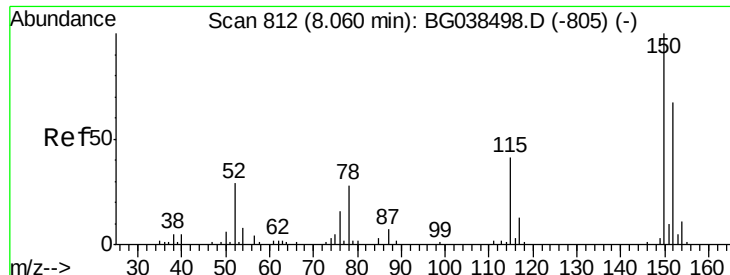
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 04 04:13:21 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



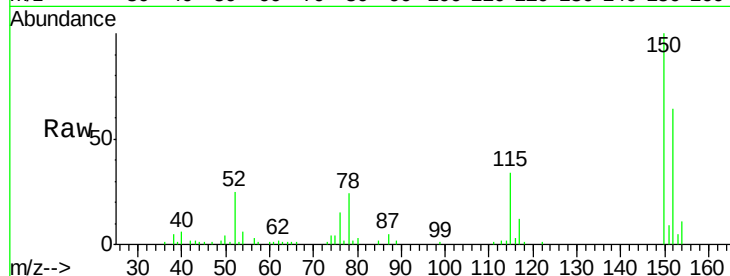


#1

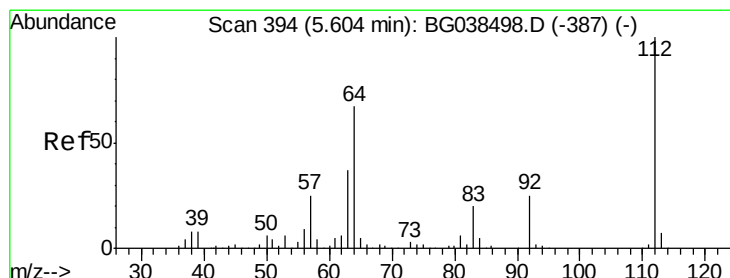
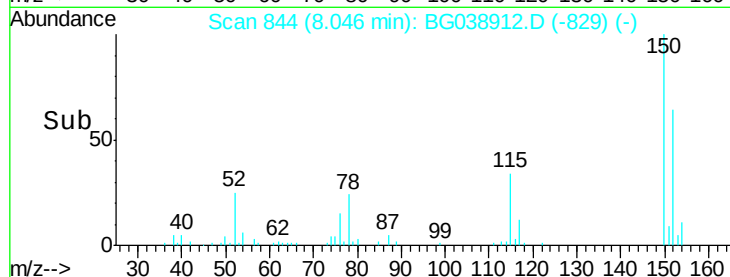
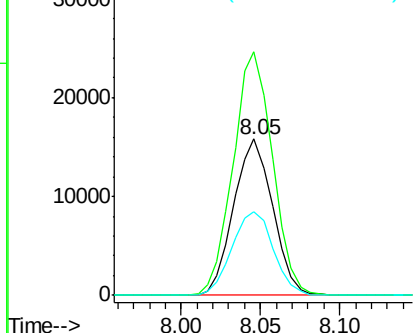
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27025
Ion Ratio Lower Upper
152 100
150 155.7 119.5 179.3
115 53.1 49.6 74.4



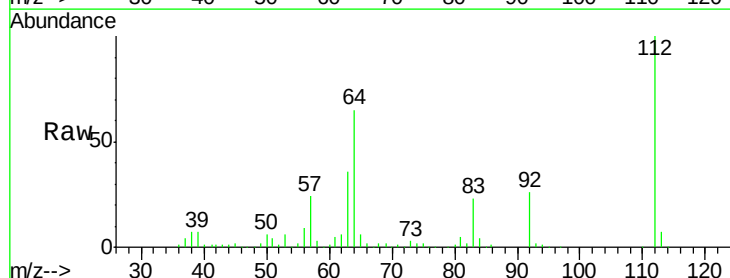
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



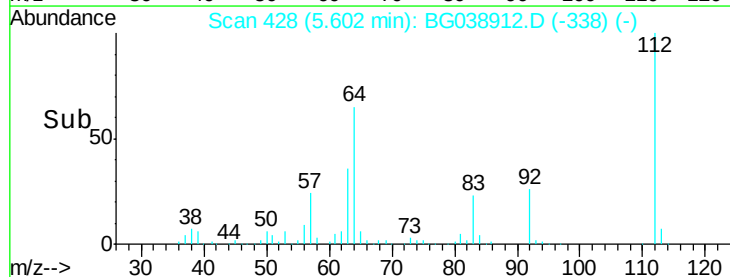
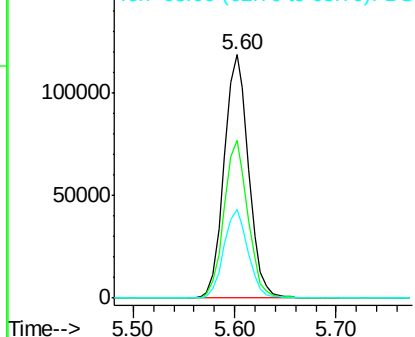
#5

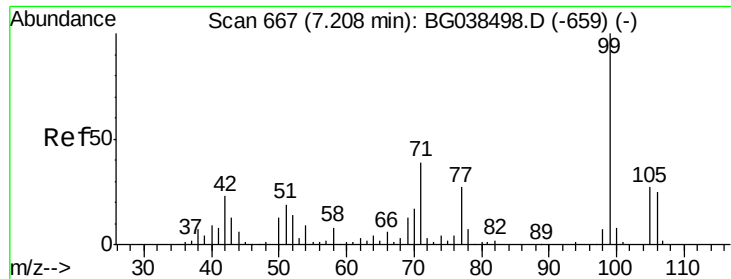
2-Fluorophenol
Concen: 130.591 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Tgt Ion:112 Resp: 198980
Ion Ratio Lower Upper
112 100
64 64.9 53.4 80.2
63 36.4 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: 117.832 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038912.D

Acq: 3 Jan 2019 20:40

Instrument :

BNA_G

ClientSampleId :

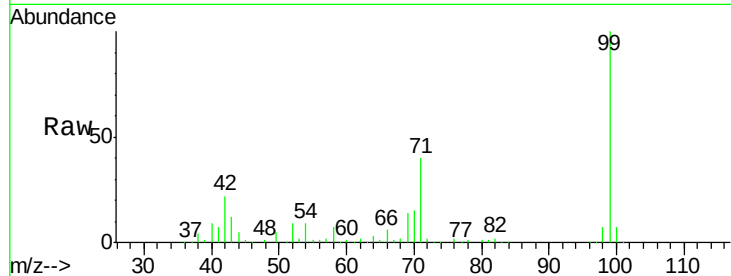
Tot Ion: 99 Resp: 246473

Ion Ratio Lower Upper

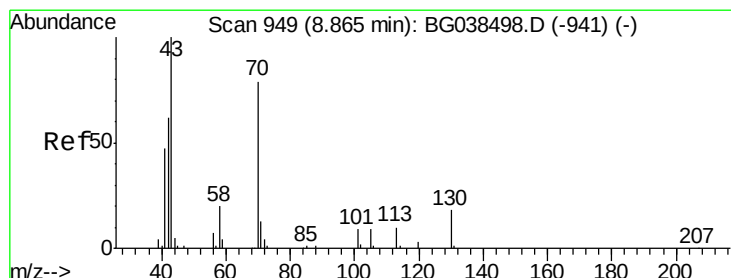
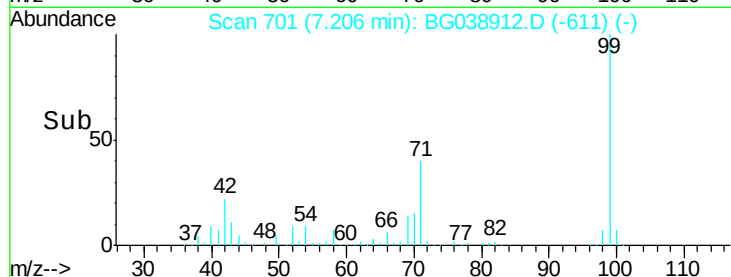
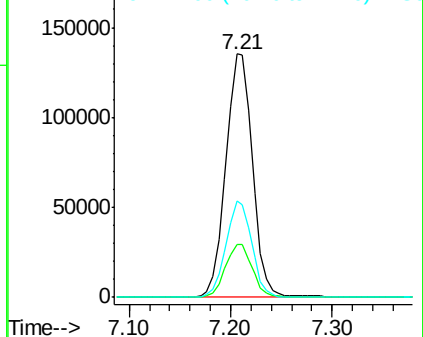
99 100

42 21.7 18.5 27.7

71 39.5 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: 17.136 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038912.D

Acq: 3 Jan 2019 20:40

Tgt Ion: 70 Resp: 25175

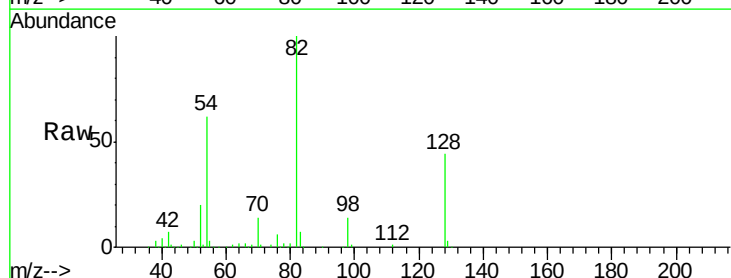
Ion Ratio Lower Upper

70 100

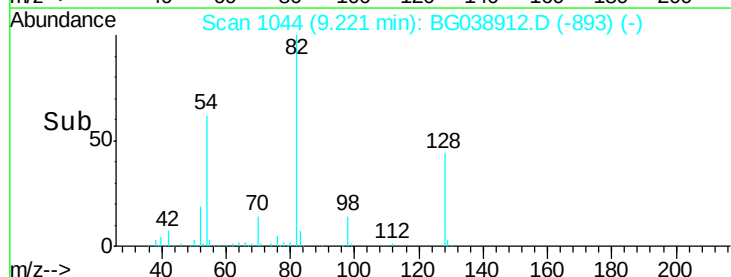
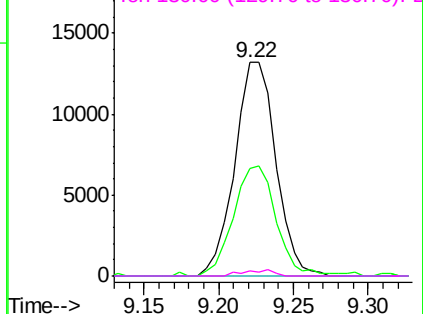
42 50.6 63.6 95.4#

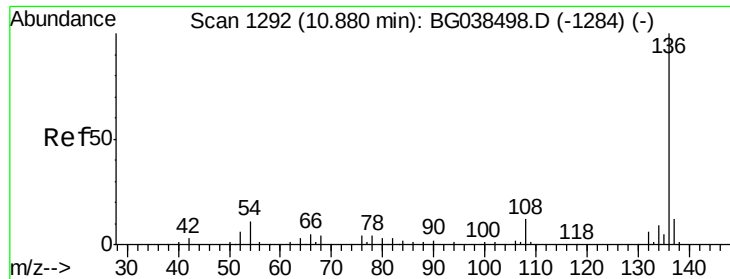
101 0.0 9.2 13.8#

130 2.1 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

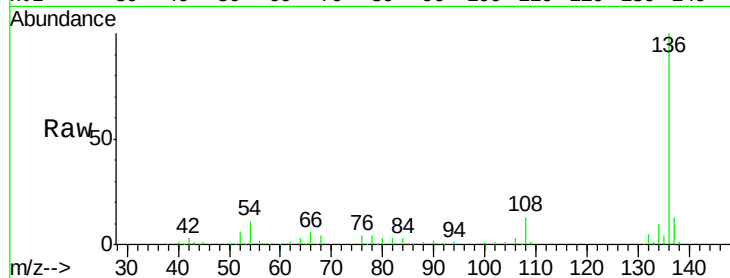




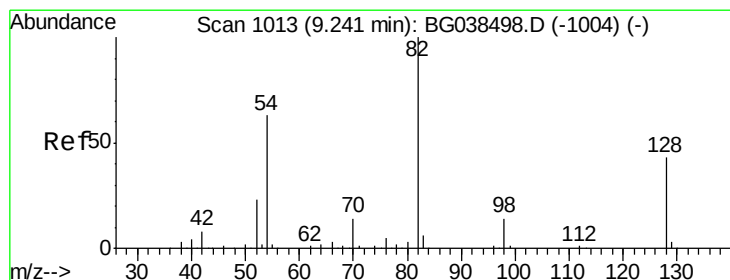
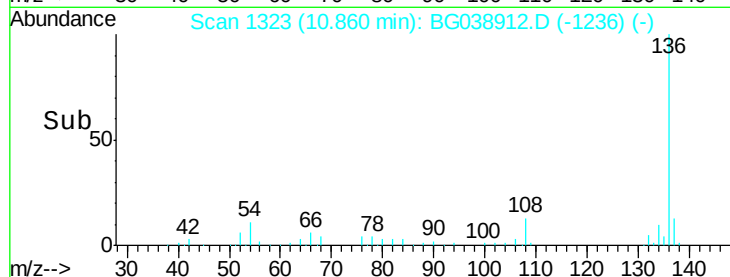
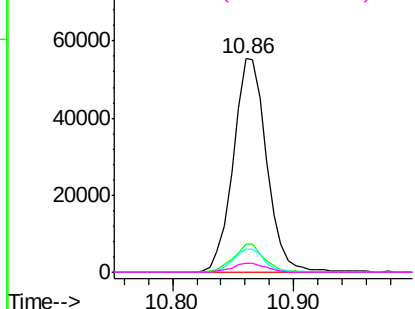
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	106605
Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.3	13.9
54	10.8	8.5	12.7
68	4.4	3.5	5.3

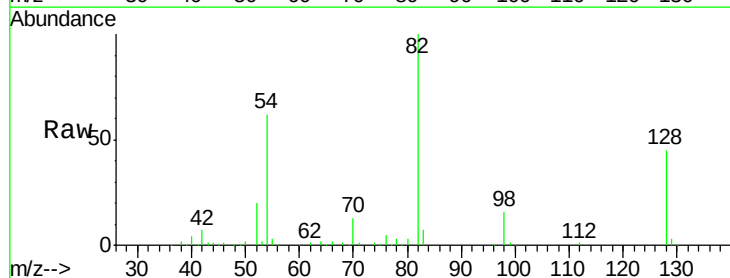


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

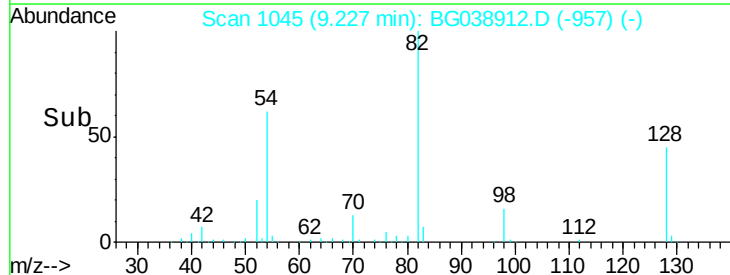
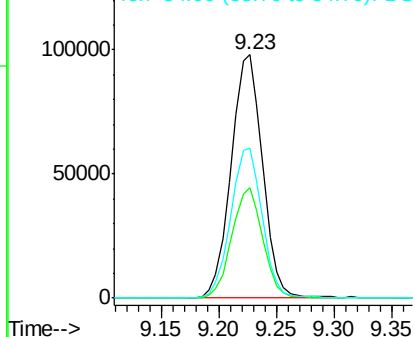


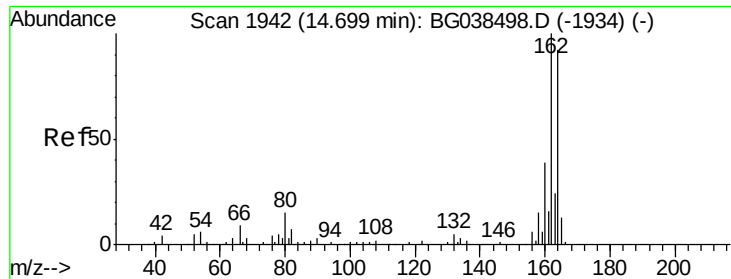
#23
Nitrobenzene-d5
Concen: 88.709 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Tgt Ion:	82	Resp:	185112
Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.6	52.0
54	61.7	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

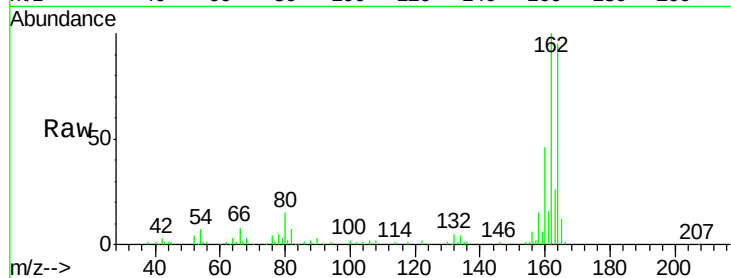




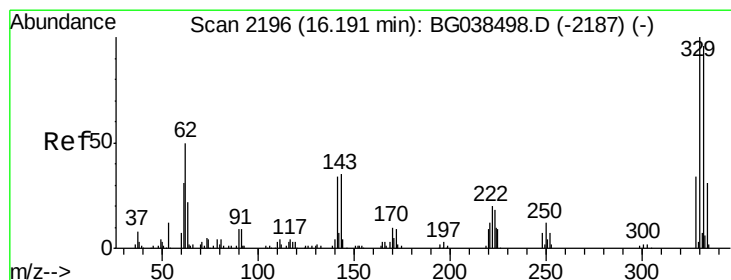
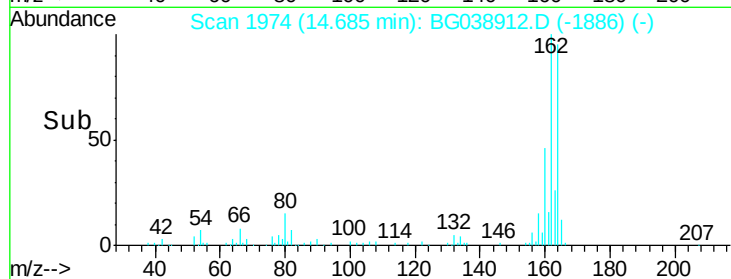
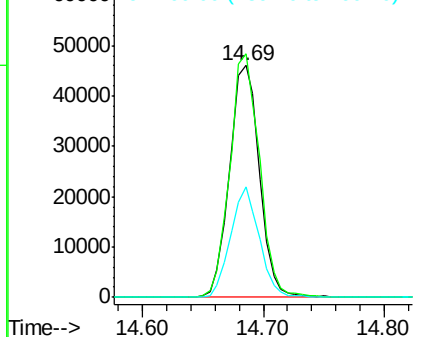
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 79560
Ion Ratio Lower Upper
164 100
162 105.0 86.6 130.0
160 47.9 34.2 51.2

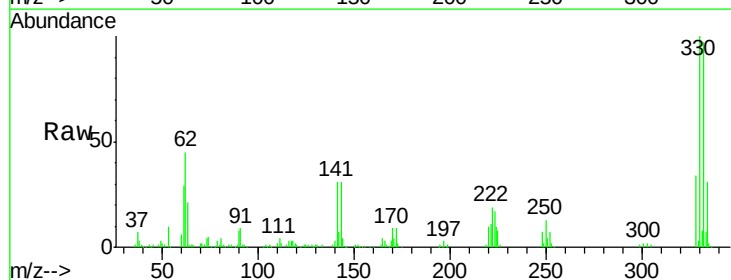


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

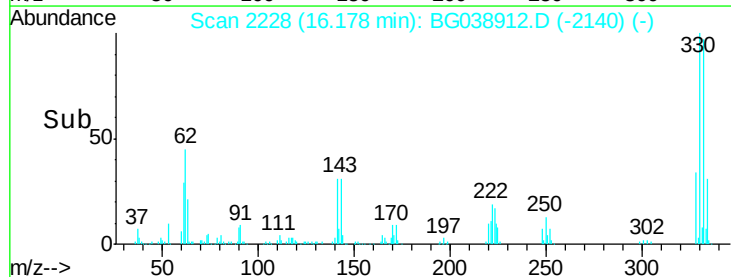
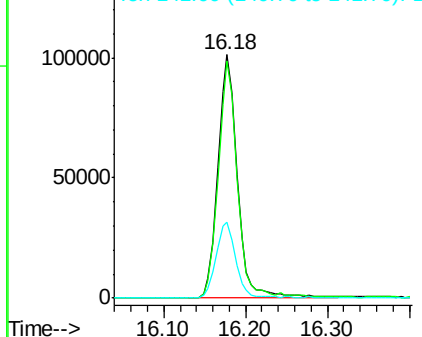


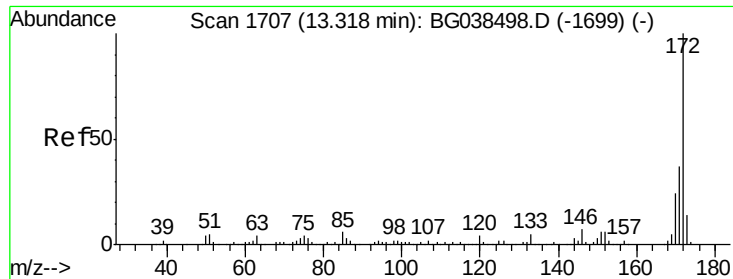
#42
2,4,6-Tribromophenol
Concen: 154.472 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Tgt Ion:330 Resp: 169375
Ion Ratio Lower Upper
330 100
332 92.9 76.9 115.3
141 31.0 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

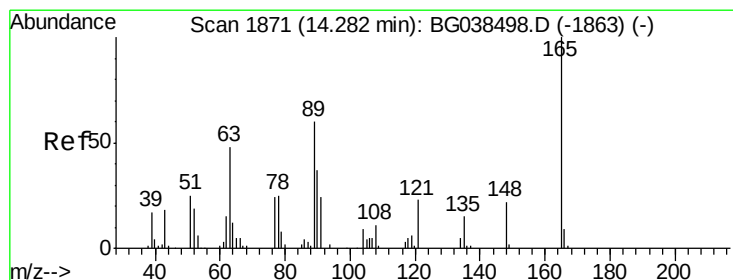
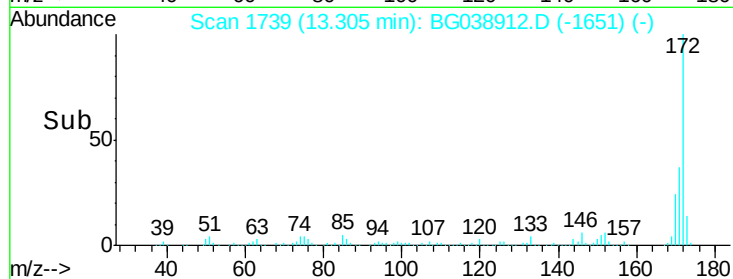
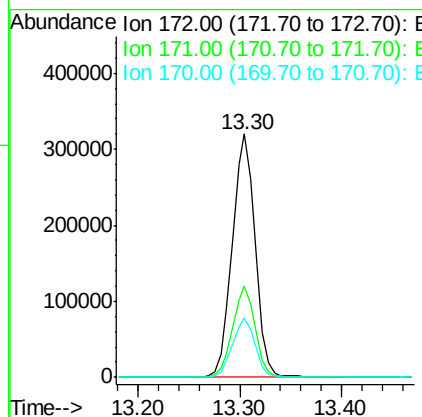
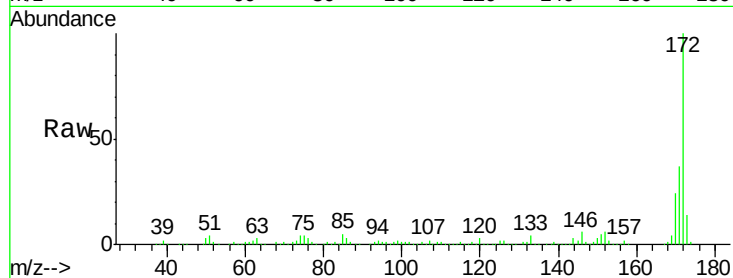




#45
2-Fluorobiphenyl
Concen: 86.202 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

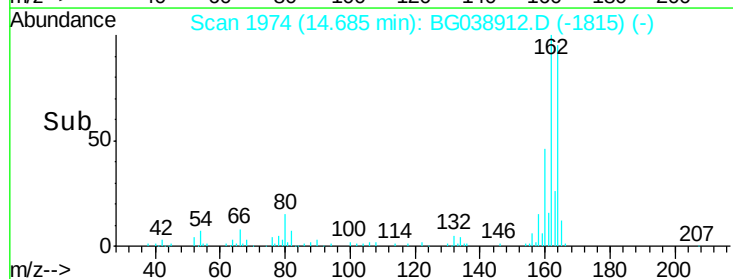
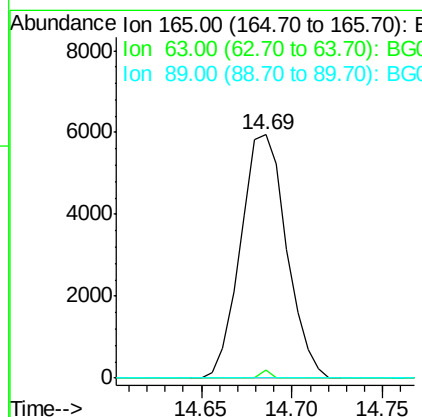
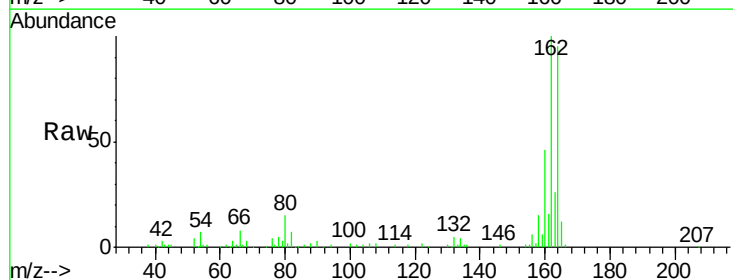
Instrument :
BNA_G
ClientSampleId :

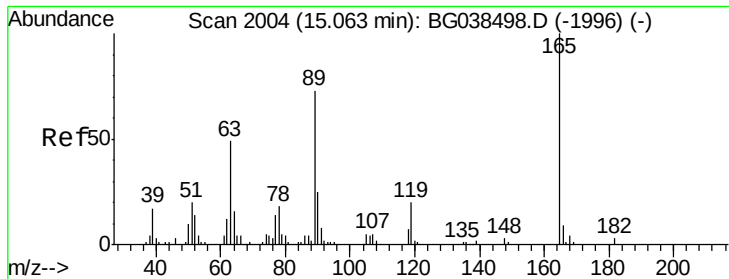
Tot Ion:172 Resp: 499928
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 24.4 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.101 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.40 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Tgt Ion:165 Resp: 10455
Ion Ratio Lower Upper
165 100
63 3.1 51.8 77.6#
89 0.0 47.9 71.9#

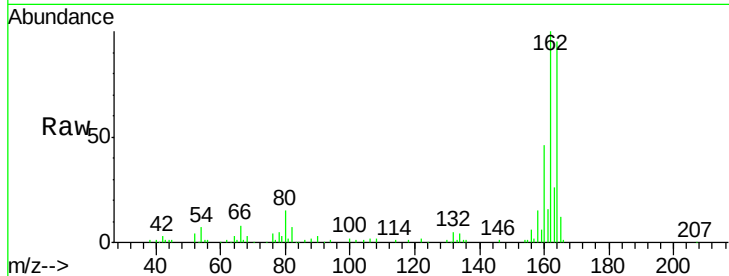




#57
 2,4-Dinitrotoluene
 Concen: 5.042 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038912.D
 Acq: 3 Jan 2019 20:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.1	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

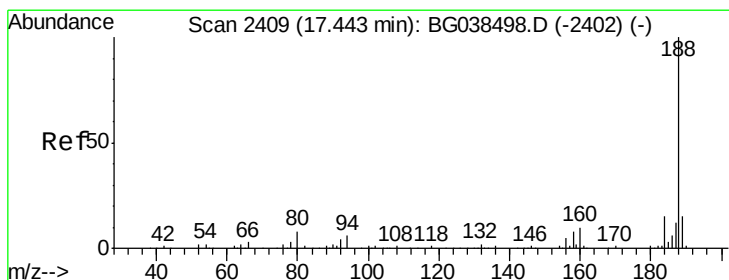
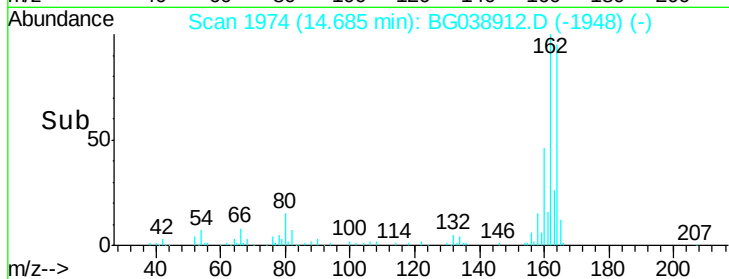
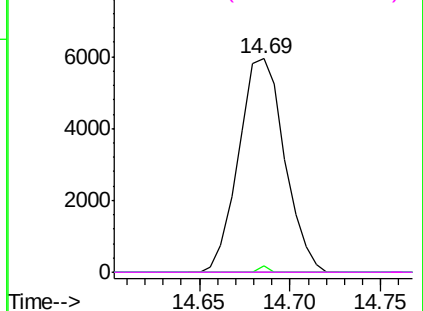


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

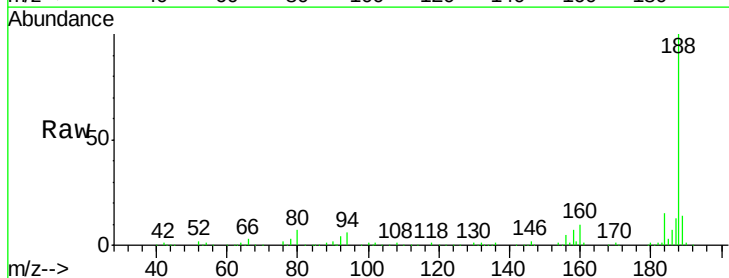
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038912.D
 Acq: 3 Jan 2019 20:40

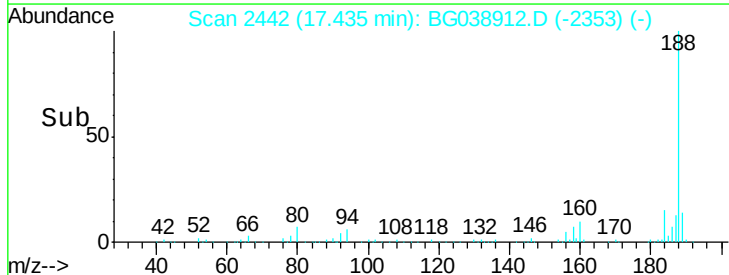
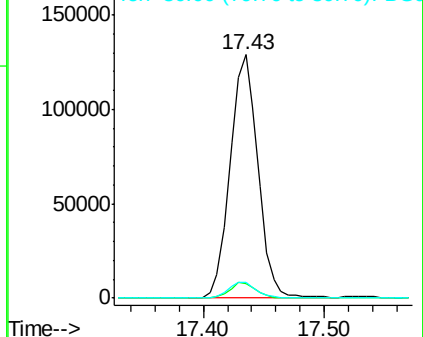
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.1	7.7
80	6.5	6.1	9.1

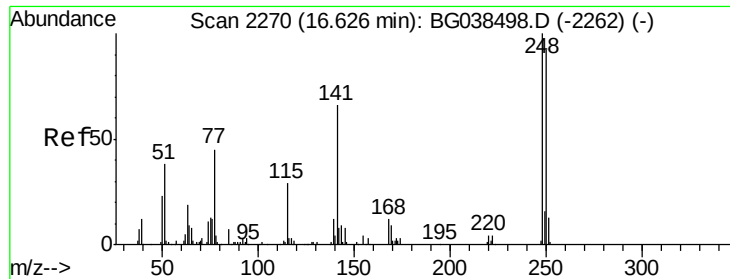


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

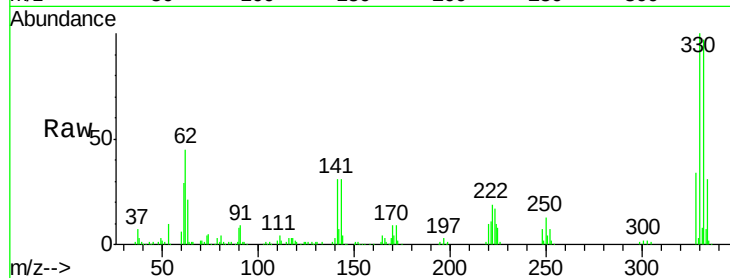




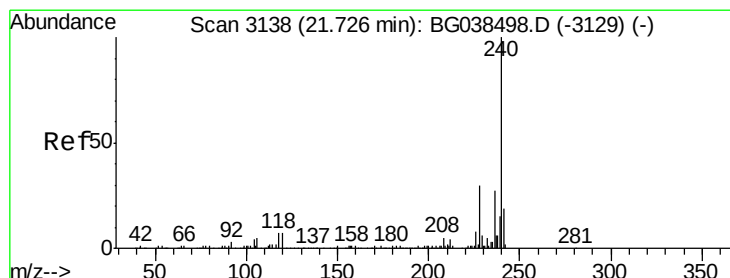
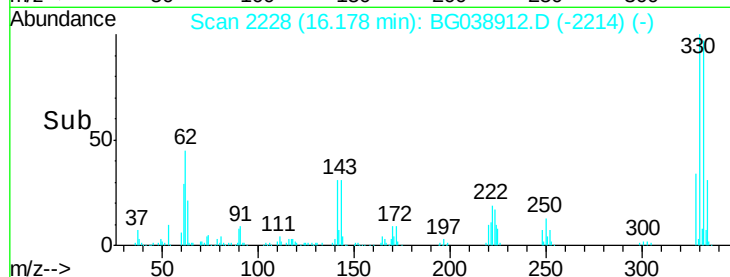
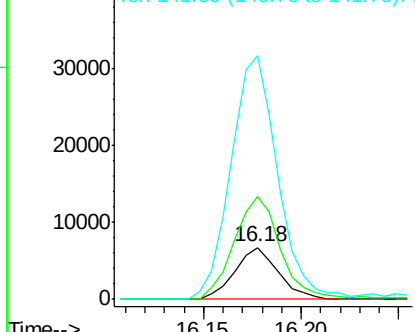
#67
4-Bromophenyl-phenylether
Concen: 4.080 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10310
Ion Ratio Lower Upper
248 100
250 195.2 73.4 110.2#
141 361.9 52.9 79.3#

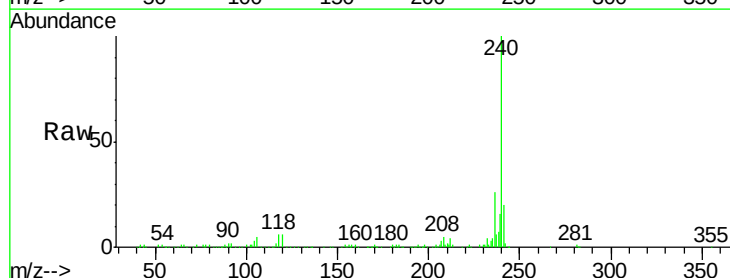


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

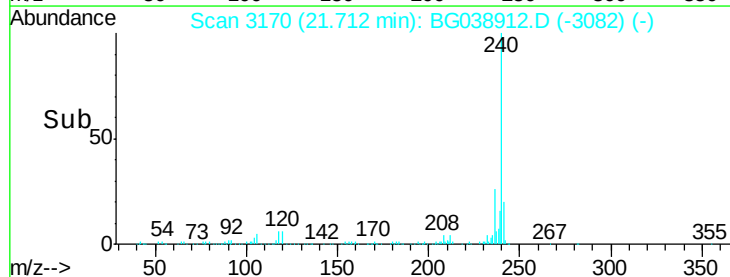
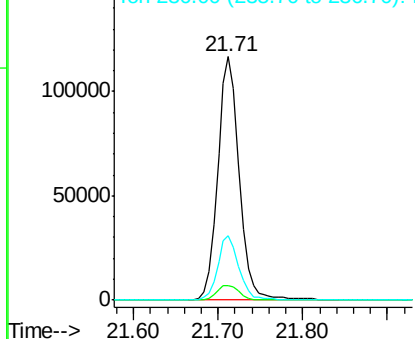


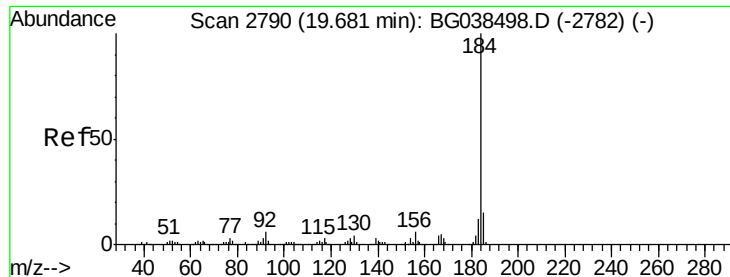
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Tgt Ion:240 Resp: 206630
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 26.3 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: 2.741 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038912.D

Acq: 3 Jan 2019 20:40

Instrument :

BNA_G

ClientSampleId :

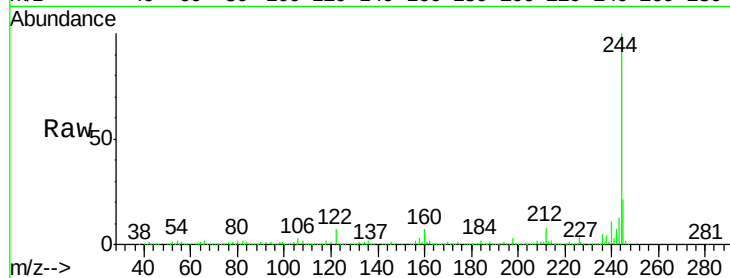
Tot Ion:184 Resp: 16750

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.2

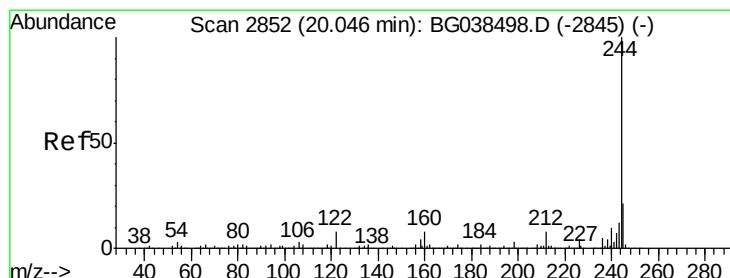
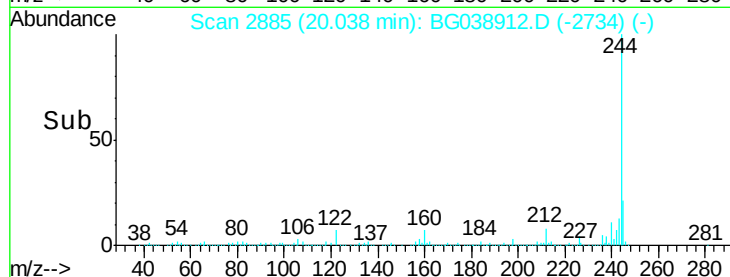
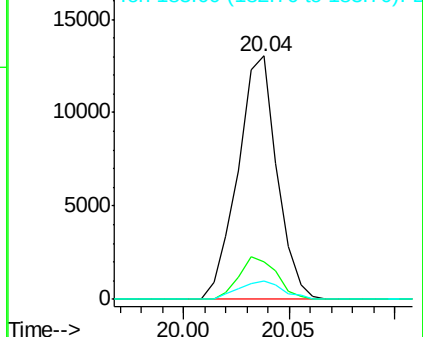
183 7.3 9.6 14.4#



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: 106.658 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038912.D

Acq: 3 Jan 2019 20:40

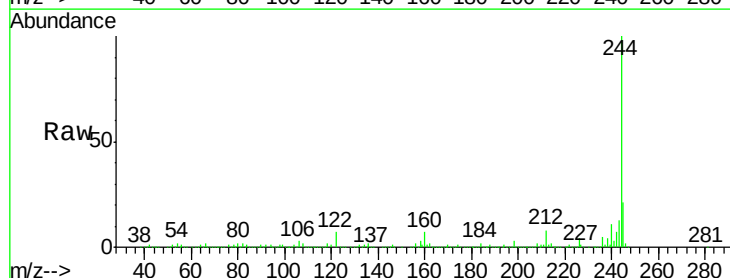
Tgt Ion:244 Resp: 1012651

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

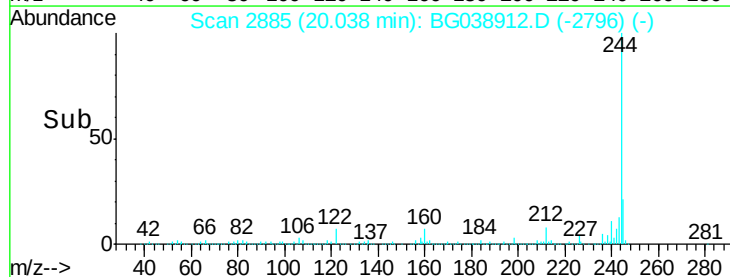
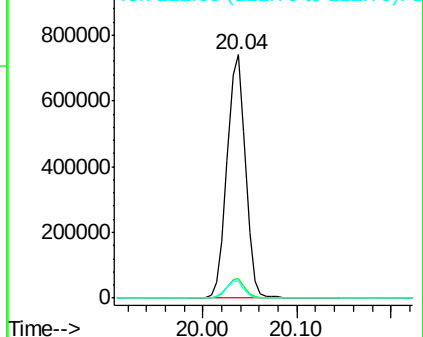
122 7.0 6.3 9.5

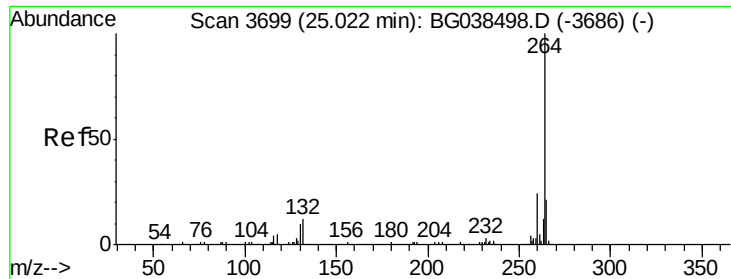


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

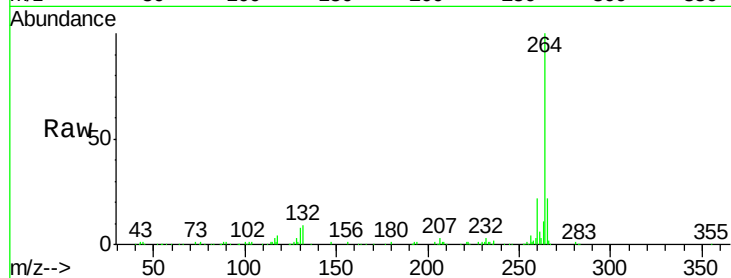




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3730
Delta R.T. -0.02 min
Lab File: BG038912.D
Acq: 3 Jan 2019 20:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	21.7	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

