

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038915.D
 Acq On : 3 Jan 2019 22:38
 Operator : JU/SJ
 Sample : K1017-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:13:54 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

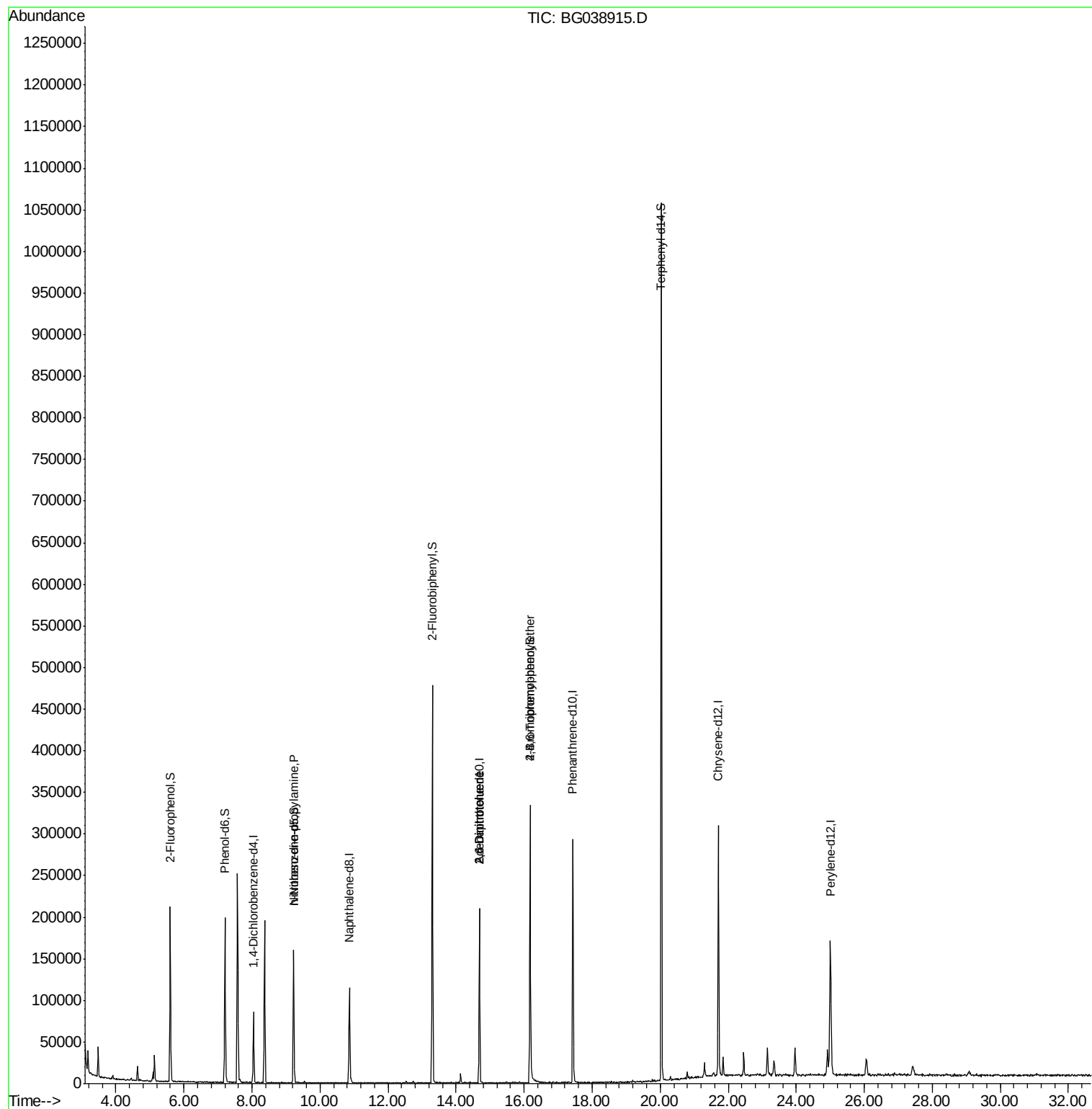
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25716	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	104357	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	78596	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	201102	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	202238	20.00	ng	-0.01
87) Perylene-d12	25.00	264	211891	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	95493	65.86	ng	0.00
7) Phenol-d6	7.21	99	119017	59.79	ng	0.00
23) Nitrobenzene-d5	9.22	82	96490	47.24	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	80086	73.94	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	282157	49.25	ng	-0.02
79) Terphenyl-d14	20.03	244	581129	62.54	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	13142	9.401	ng	# 65
51) 2,6-Dinitrotoluene	14.69	165	10428	7.169	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10428	5.090	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	5479	2.231	ng	# 1

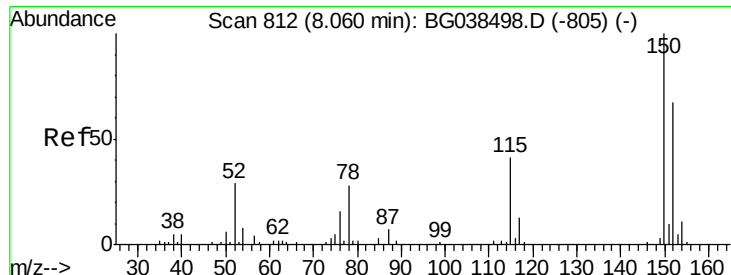
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



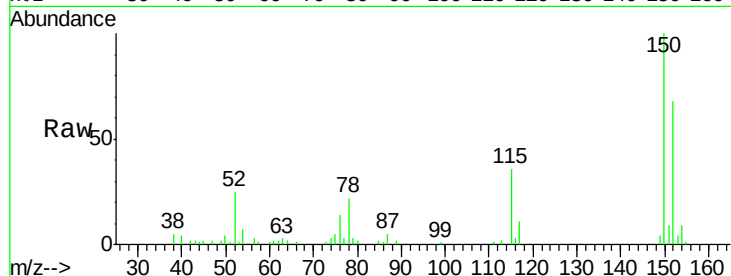


#1

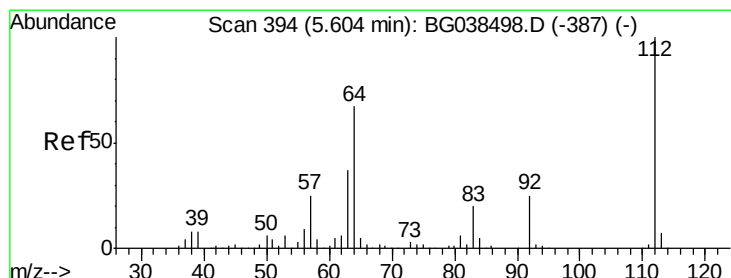
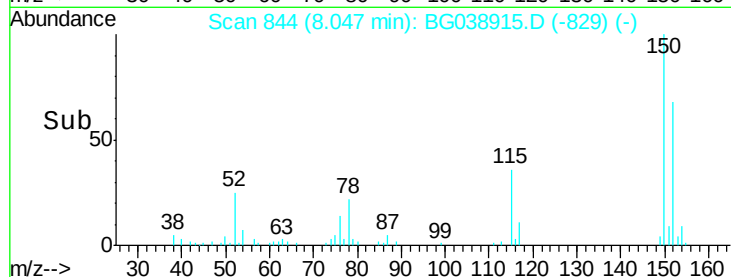
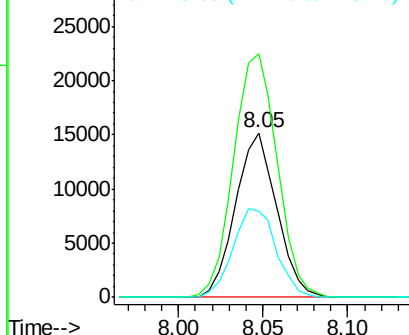
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25716
Ion Ratio Lower Upper
152 100
150 147.7 119.5 179.3
115 52.4 49.6 74.4



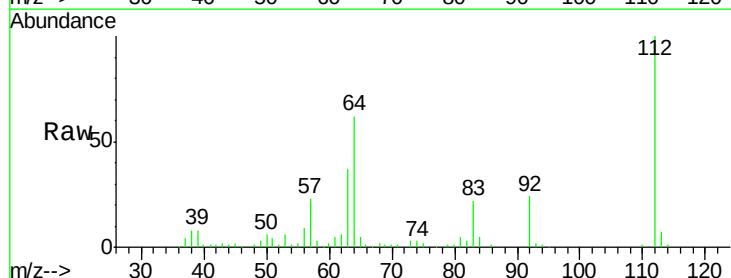
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



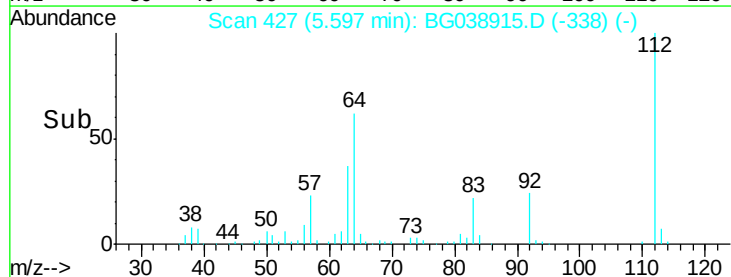
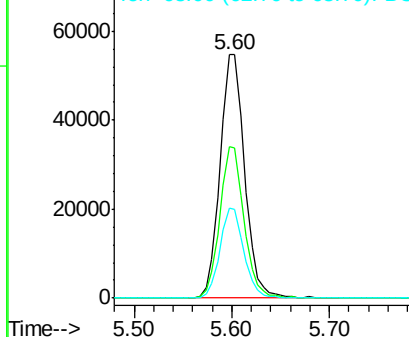
#5

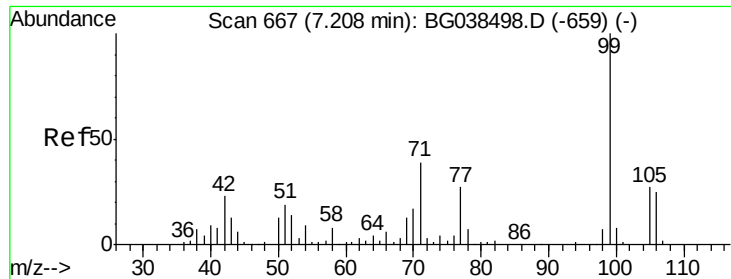
2-Fluorophenol
Concen: 65.862 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.01 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Tgt Ion:112 Resp: 95493
Ion Ratio Lower Upper
112 100
64 62.2 53.4 80.2
63 36.8 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: 59.795 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

Instrument :

BNA_G

ClientSampleId :

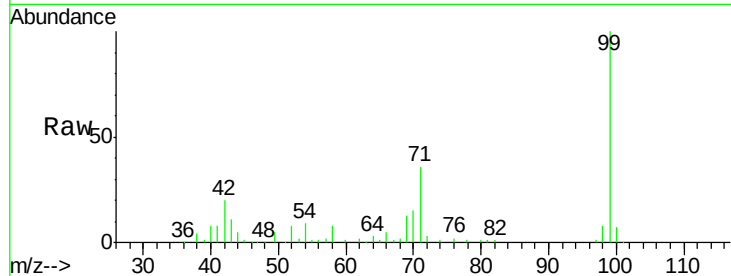
Tot Ion: 99 Resp: 119017

Ion Ratio Lower Upper

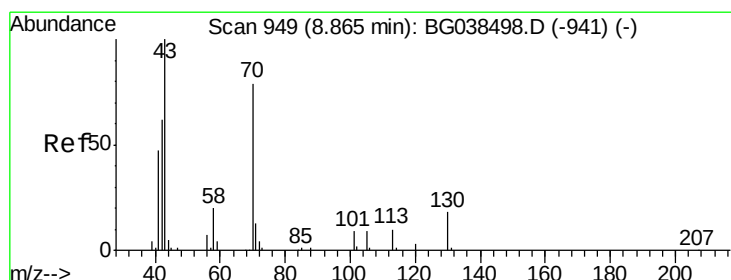
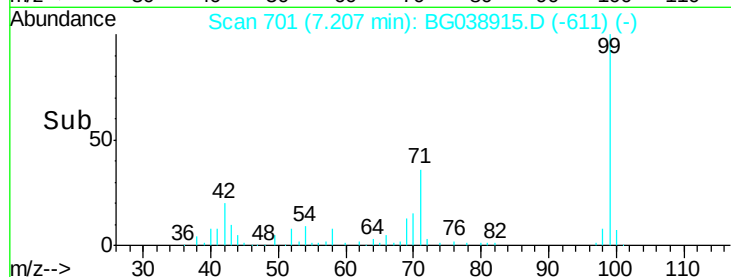
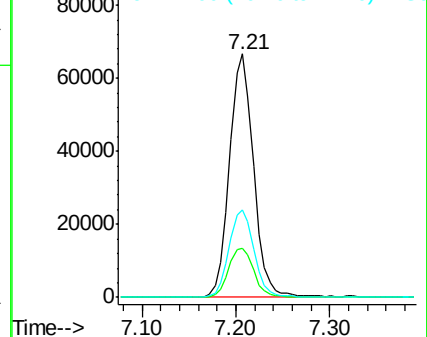
99 100

42 20.4 18.5 27.7

71 35.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.401 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

Tgt Ion: 70 Resp: 13142

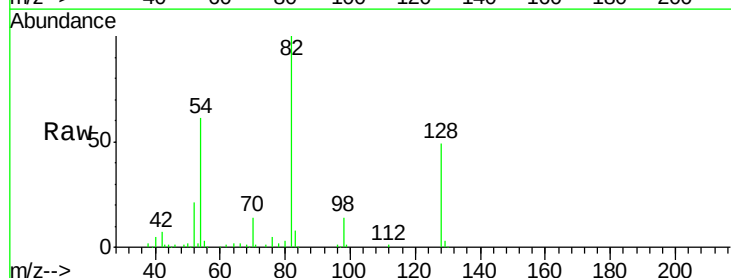
Ion Ratio Lower Upper

70 100

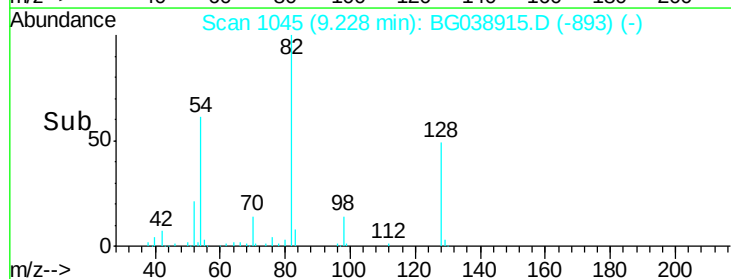
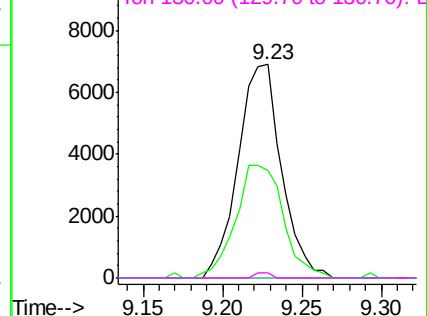
42 50.6 63.6 95.4#

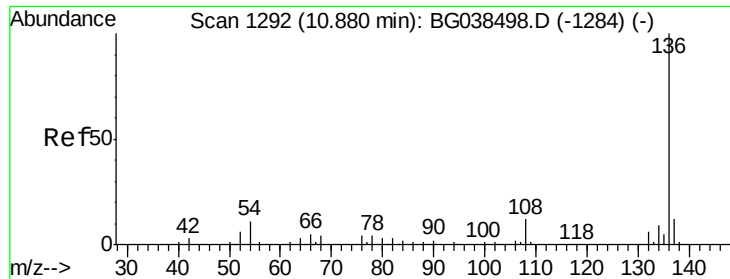
101 0.0 9.2 13.8#

130 2.3 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

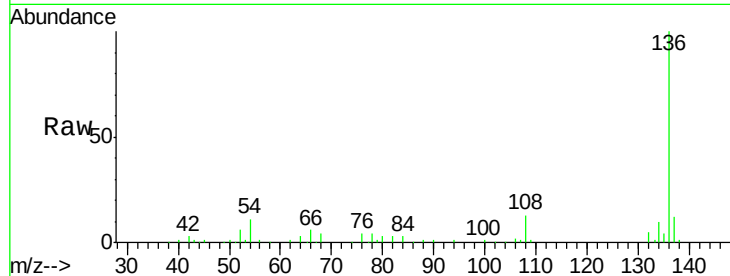




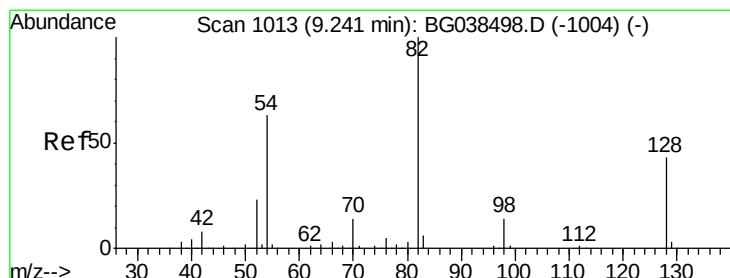
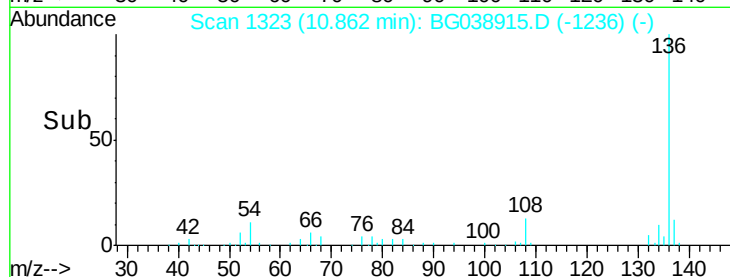
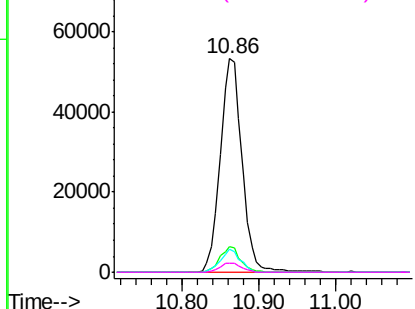
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	104357
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.3 13.9
54	10.8	8.5 12.7
68	4.2	3.5 5.3

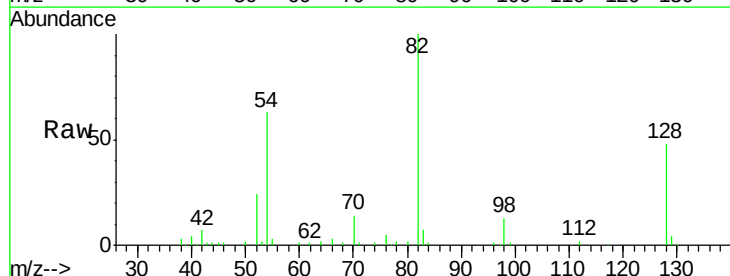


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

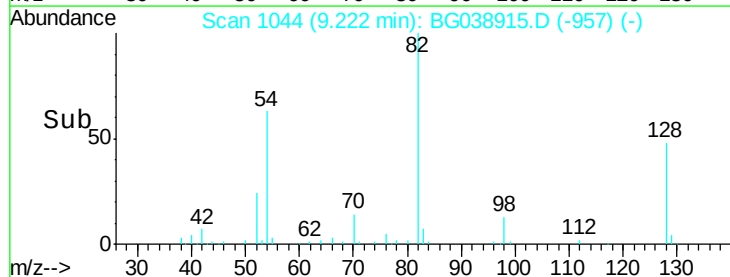
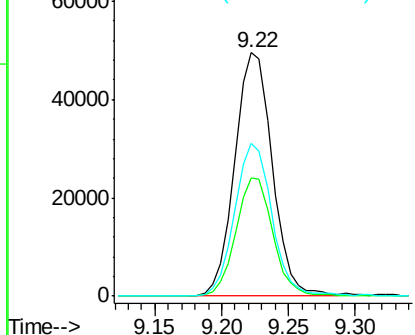


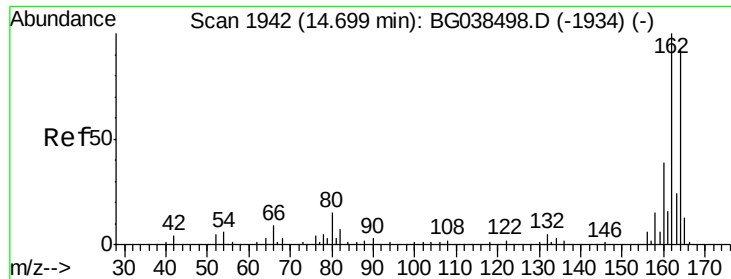
#23
Nitrobenzene-d5
Concen: 47.236 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Tgt Ion: 82	Resp:	96490
Ion	Ratio	Lower Upper
82	100	
128	48.3	34.6 52.0
54	62.8	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: BG038915.D

Acq: 3 Jan 2019 22:38

Instrument :

BNA_G

ClientSampleId :

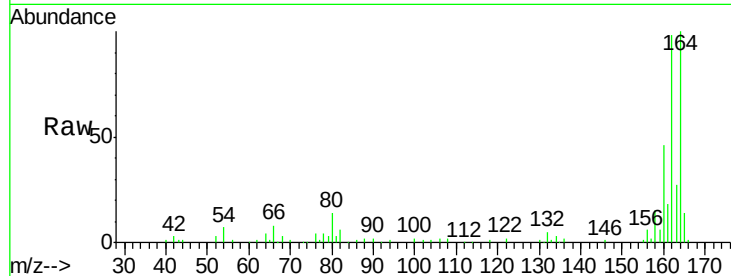
Tot Ion:164 Resp: 78596

Ion Ratio Lower Upper

164 100

162 97.7 86.6 130.0

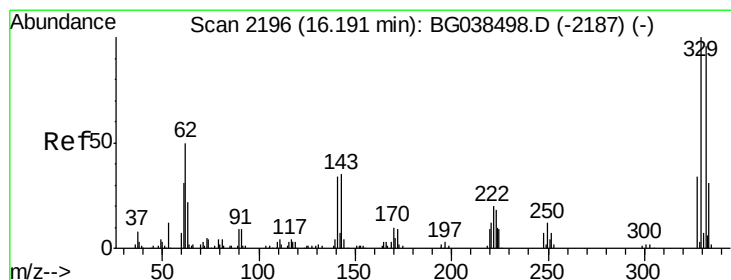
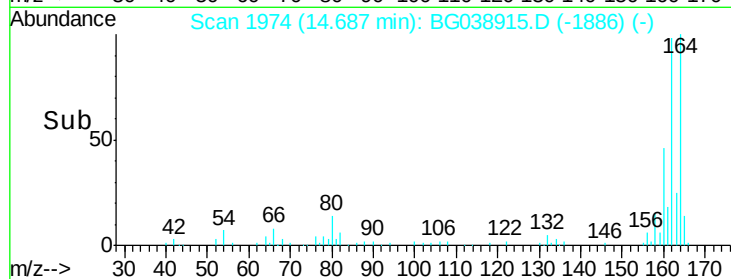
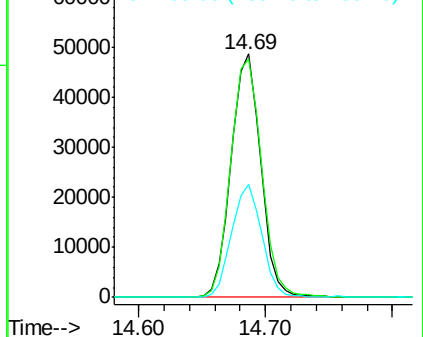
160 46.3 34.2 51.2



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: 73.935 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

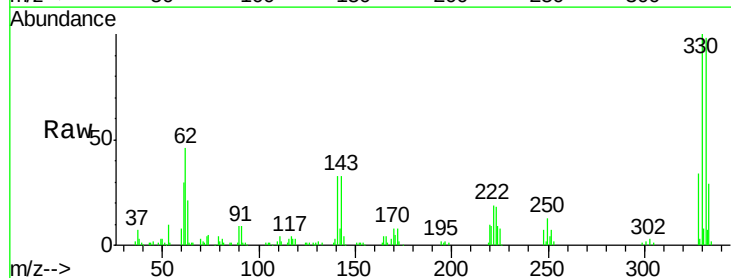
Tgt Ion:330 Resp: 80086

Ion Ratio Lower Upper

330 100

332 98.7 76.9 115.3

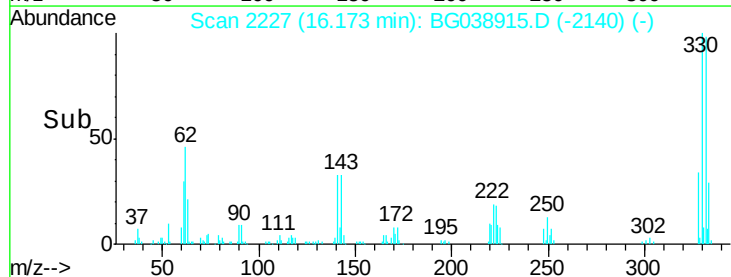
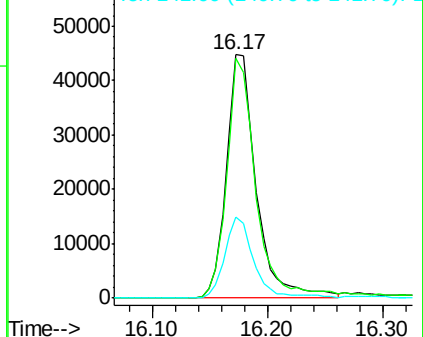
141 32.4 28.8 43.2

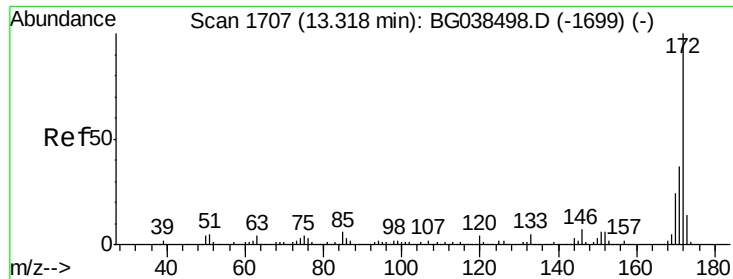


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

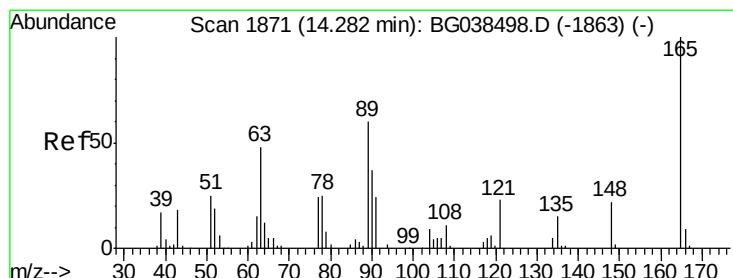
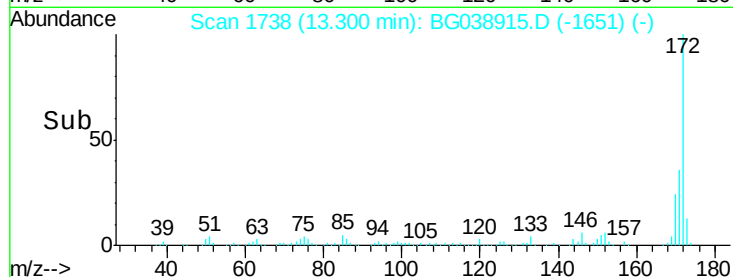
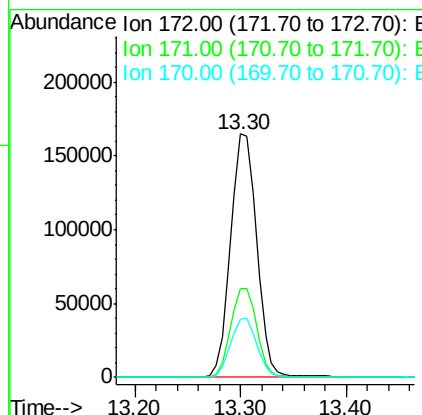
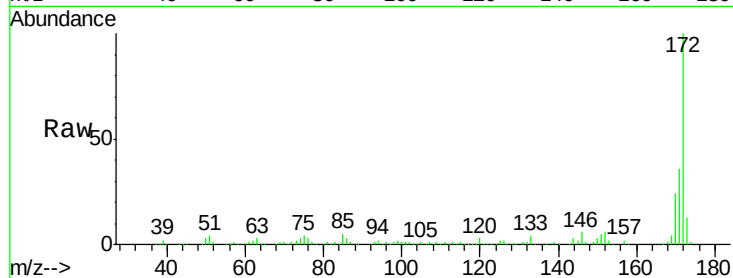




#45
 2-Fluorobiphenyl
 Concen: 49.249 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038915.D
 Acq: 3 Jan 2019 22:38

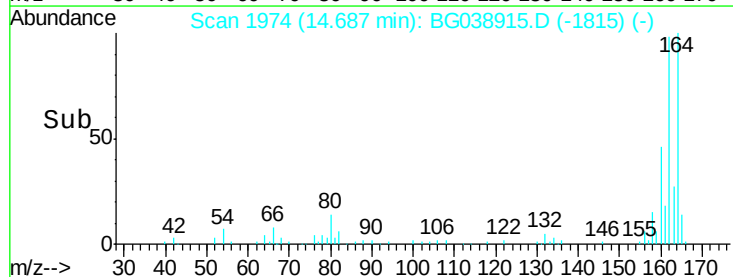
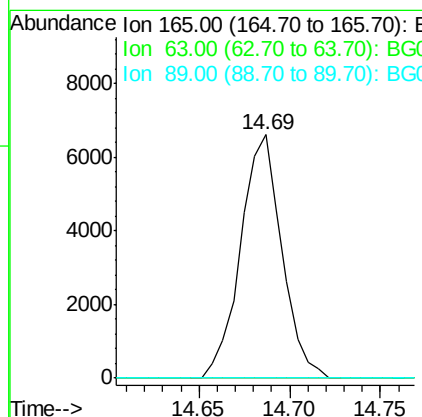
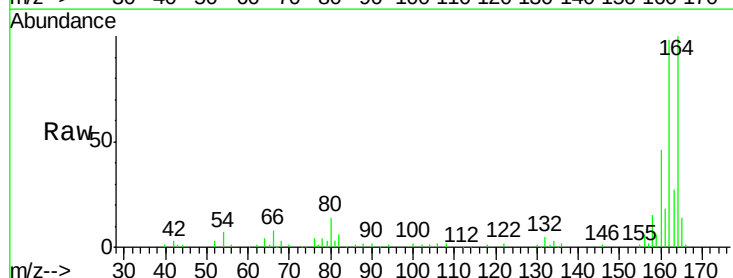
Instrument :
 BNA_G
 ClientSampleId :

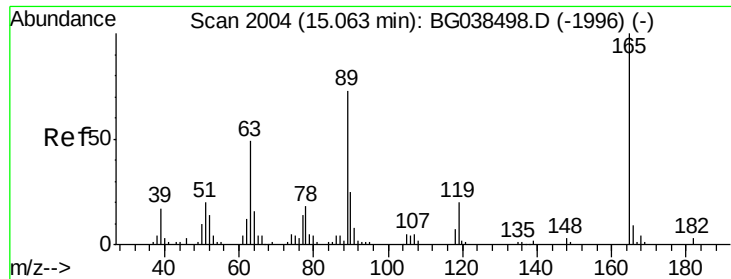
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.6
170	23.7	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.169 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038915.D
 Acq: 3 Jan 2019 22:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#





#57

2,4-Dinitrotoluene

Concen: 5.090 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.38 min

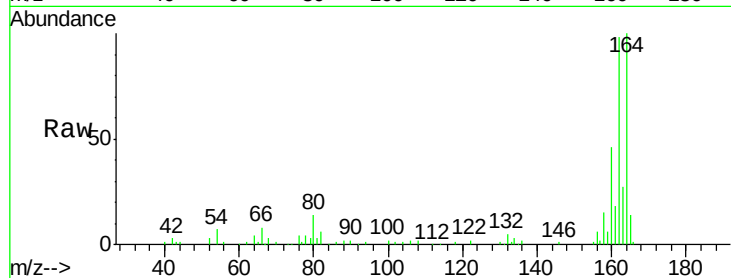
Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 10428

Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

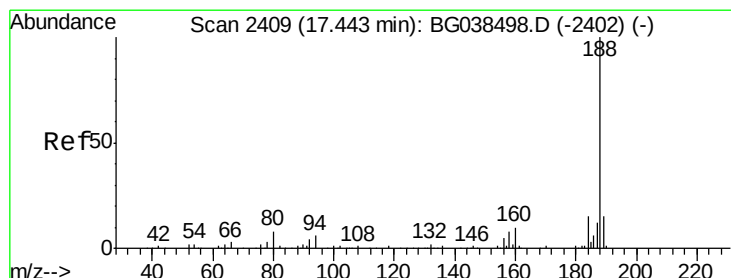
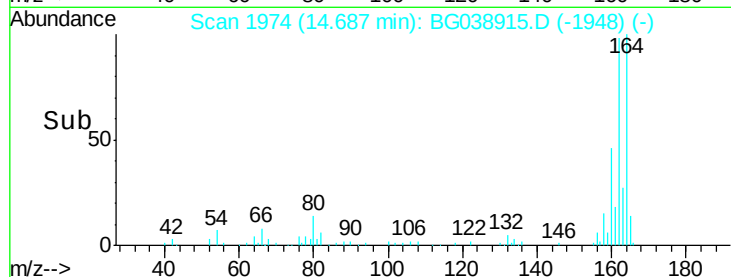
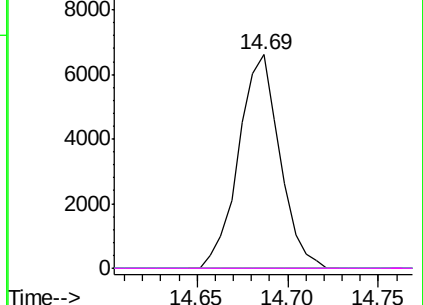
182 0.0 2.3 3.5#

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: BG038915.D

Acq: 3 Jan 2019 22:38

Tgt Ion:188 Resp: 201102

Ion Ratio Lower Upper

188 100

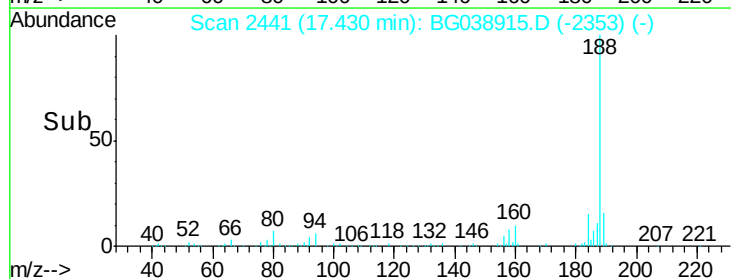
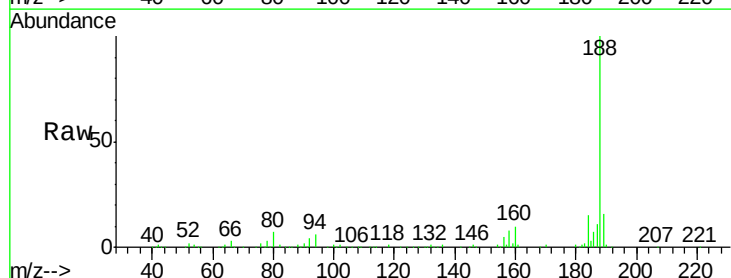
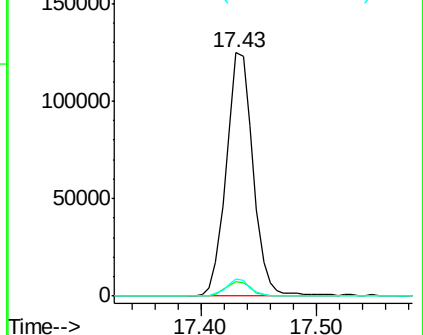
94 6.0 5.1 7.7

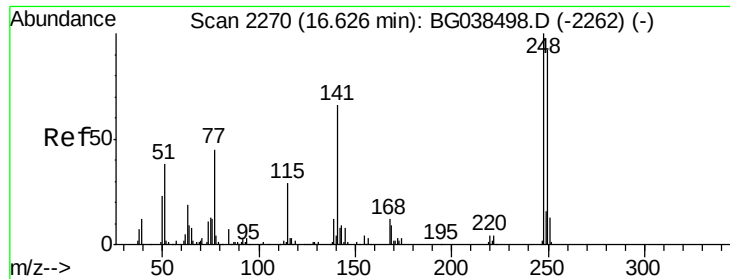
80 7.0 6.1 9.1

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

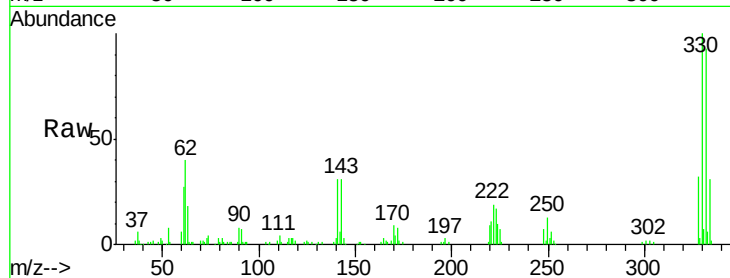




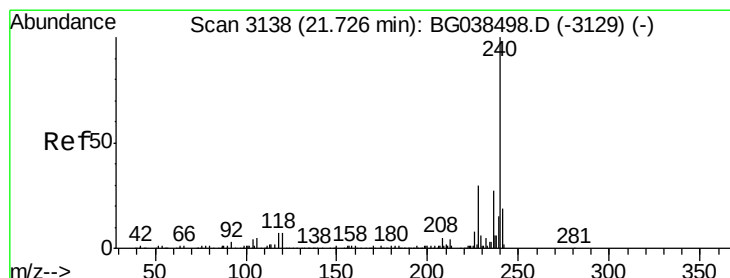
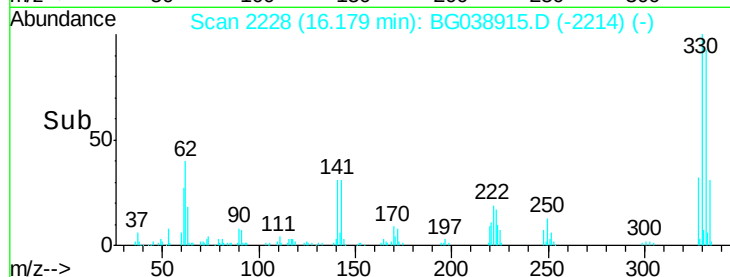
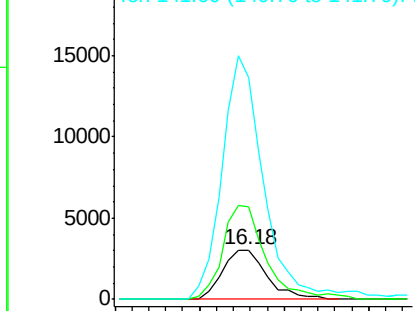
#67
4-Bromophenyl-phenylether
Concen: 2.231 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 5479
Ion Ratio Lower Upper
248 100
250 179.5 73.4 110.2#
141 345.5 52.9 79.3#

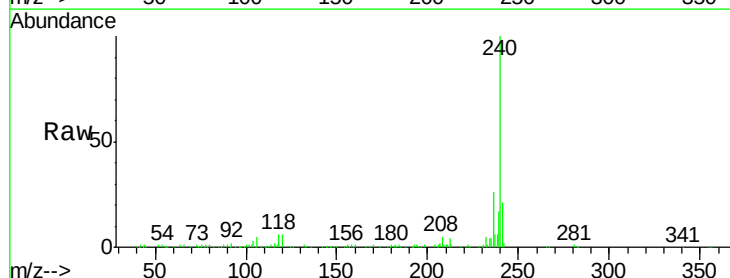


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

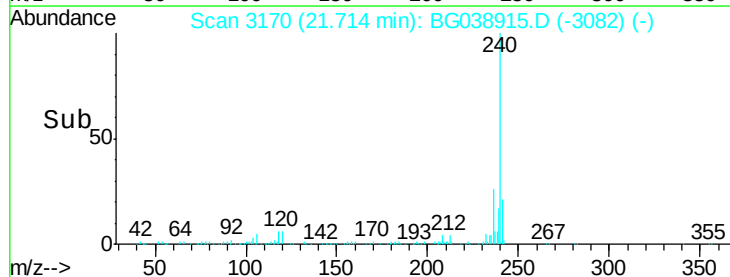
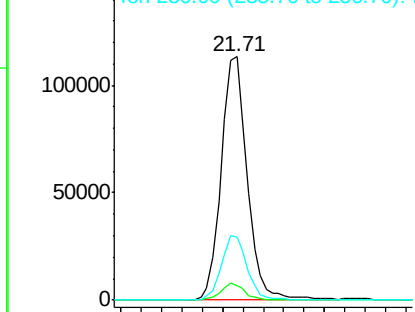


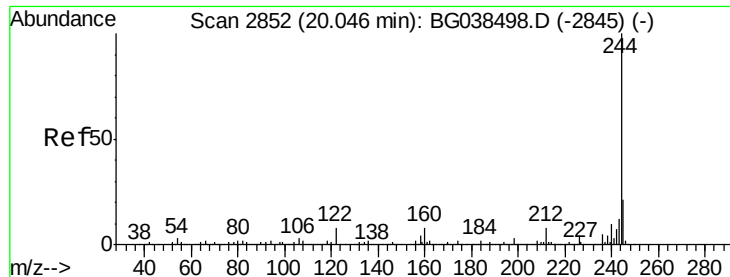
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038915.D
Acq: 3 Jan 2019 22:38

Tgt Ion:240 Resp: 202238
Ion Ratio Lower Upper
240 100
120 6.2 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





#79

Terphenyl-d14

Concen: 62.537 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

Instrument :

BNA_G

ClientSampleId :

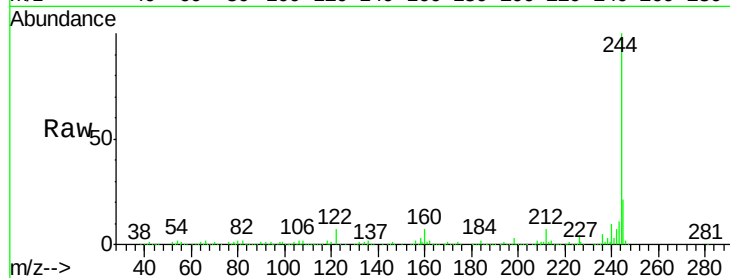
Tot Ion:244 Resp: 581129

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

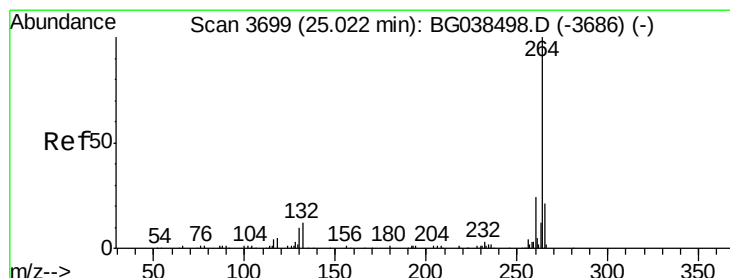
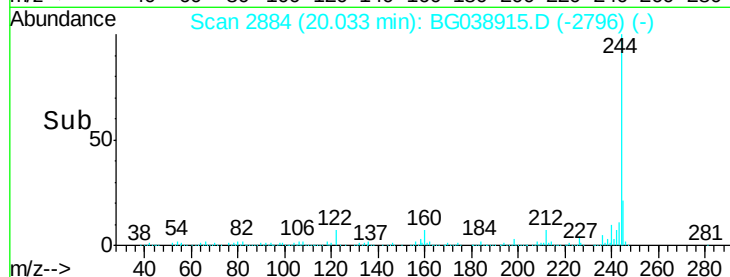
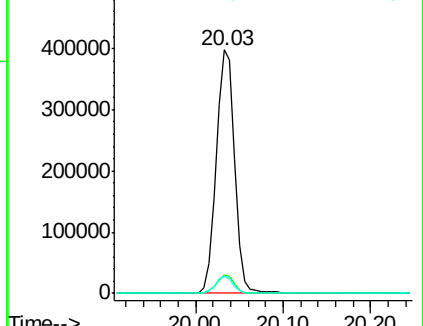
122 7.2 6.3 9.5



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: 25.00 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG038915.D

Acq: 3 Jan 2019 22:38

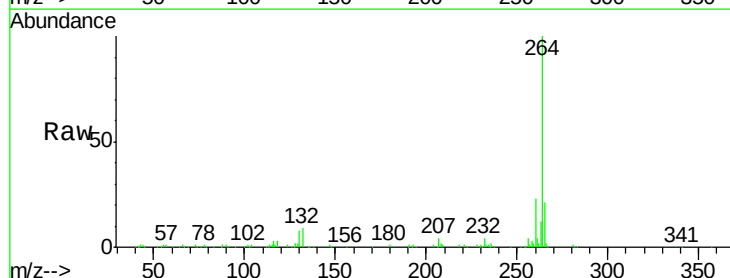
Tgt Ion:264 Resp: 211891

Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 21.3 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

