

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043038.D
 Acq On : 4 Oct 2019 21:28
 Operator : JU
 Sample : K5154-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 04:53:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

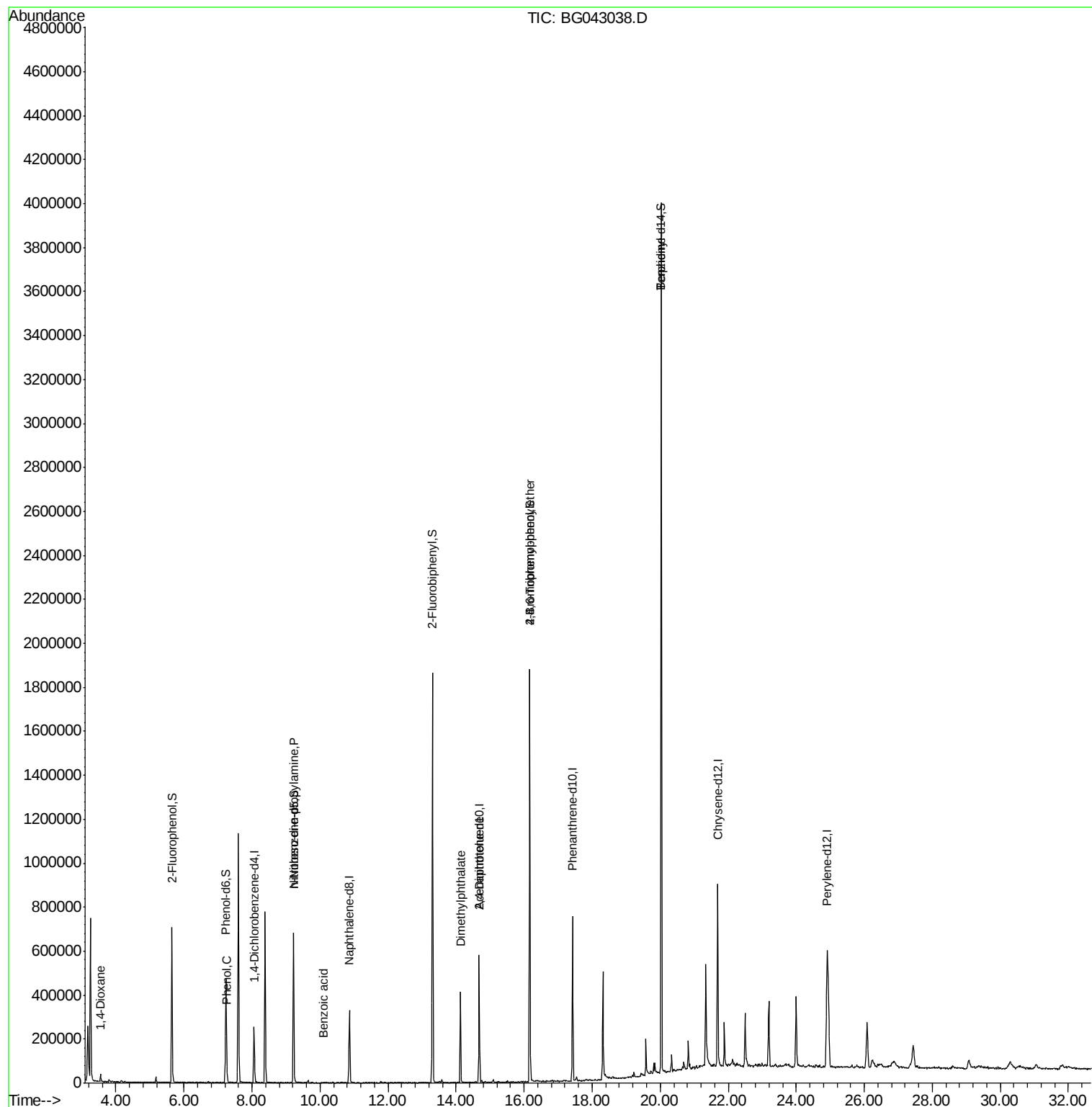
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	74034	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	285954	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	203015	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	480380	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	513886	20.00	ng	-0.03
87) Perylene-d12	24.91	264	601085	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	303061	73.05	ng	-0.01
7) Phenol-d6	7.23	99	272852	45.67	ng	-0.01
23) Nitrobenzene-d5	9.22	82	425047	72.25	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	402179	115.21	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1025703	73.24	ng	-0.02
79) Terphenyl-d14	20.03	244	1886053	78.21	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.55	88	18989	10.979	ng	Qvalue 87
10) Phenol	7.26	94	37819	6.900	ng	98
19) n-Nitroso-di-n-propylamine	9.22	70	58964	15.031	ng	# 73
32) Benzoic acid	10.10	122	59	2.821	ng	# 34
50) Dimethylphthalate	14.13	163	277788	18.262	ng	98
57) 2,4-Dinitrotoluene	14.68	165	26890	5.669	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	28337	4.700	ng	# 1
77) Benzidine	20.03	184	30750	2.390	ng	# 92

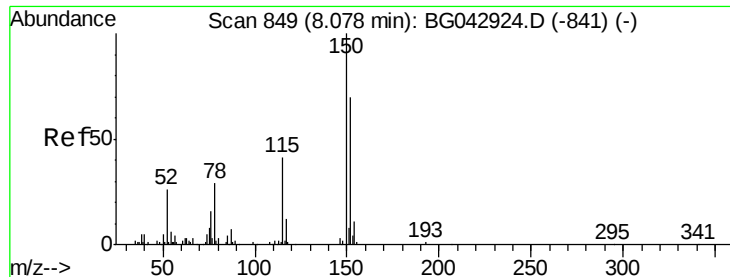
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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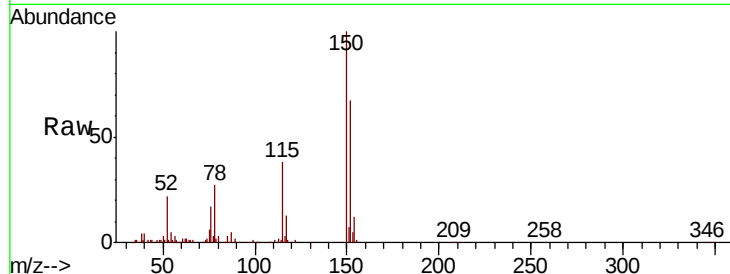


#1

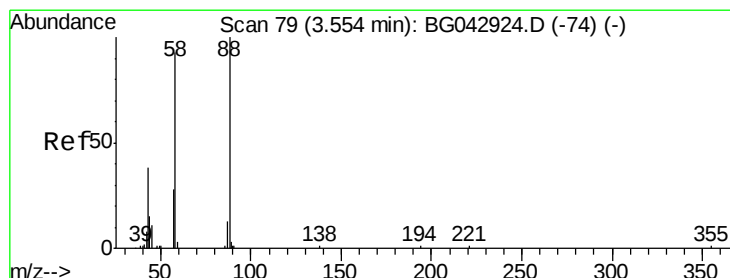
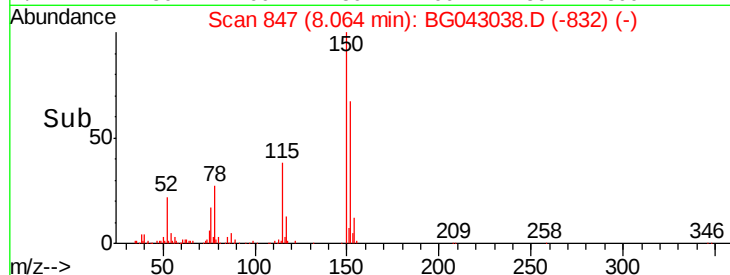
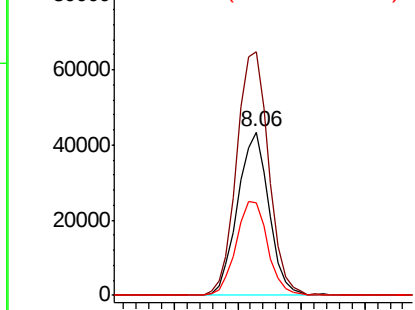
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 74034
Ion Ratio Lower Upper
152 100
150 149.3 115.0 172.4
115 56.6 47.0 70.6



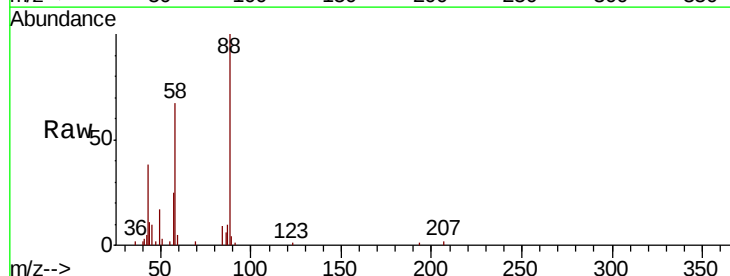
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



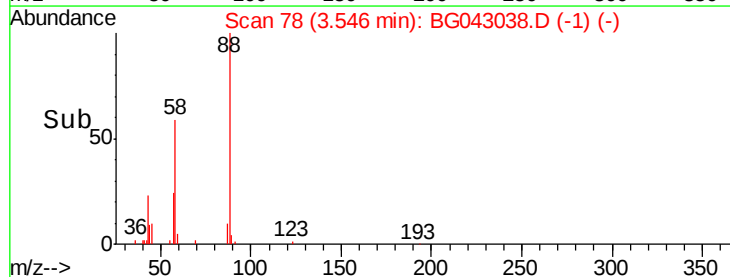
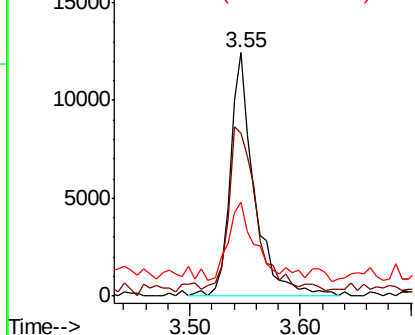
#2

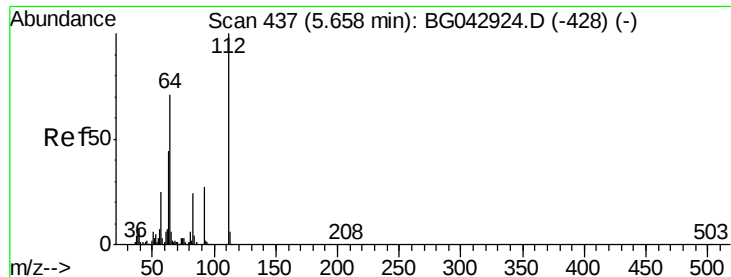
1,4-Dioxane
Concen: 10.979 ng
RT: 3.55 min Scan# 78
Delta R.T. -0.01 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Tgt Ion: 88 Resp: 18989
Ion Ratio Lower Upper
88 100
58 77.2 74.3 111.5
43 33.8 29.8 44.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 73.054 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Instrument :

BNA_G

ClientSampleId :

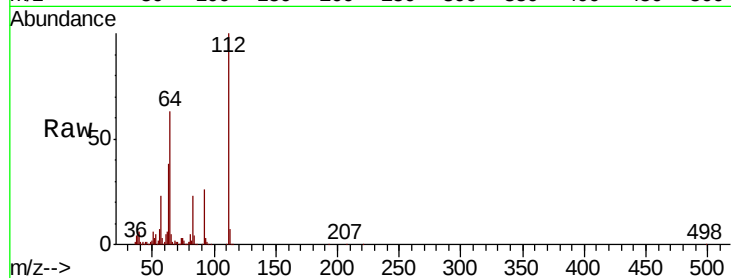
Tot Ion: 112 Resp: 303061

Ion Ratio Lower Upper

112 100

64 62.7 56.6 84.8

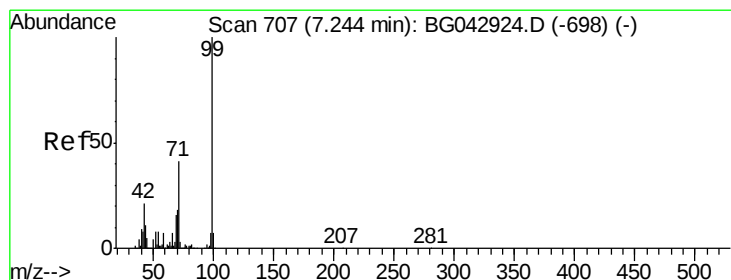
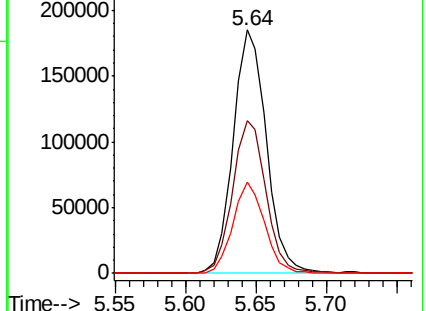
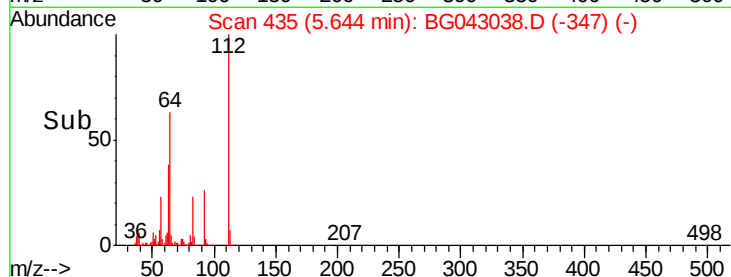
63 37.5 35.1 52.7



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: 45.673 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

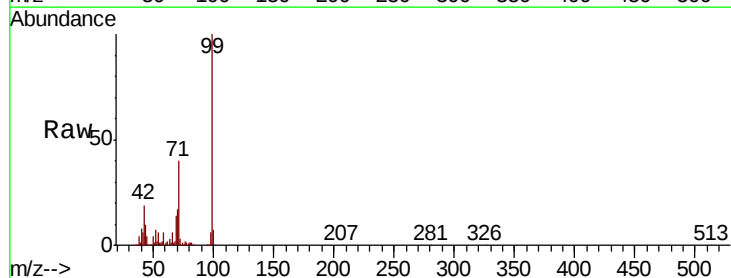
Tgt Ion: 99 Resp: 272852

Ion Ratio Lower Upper

99 100

42 18.6 17.2 25.8

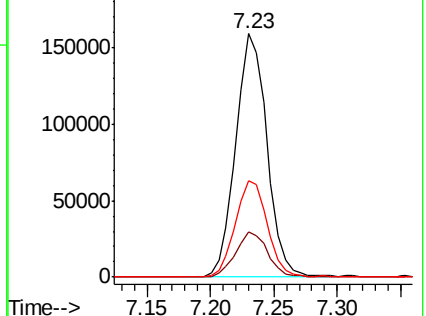
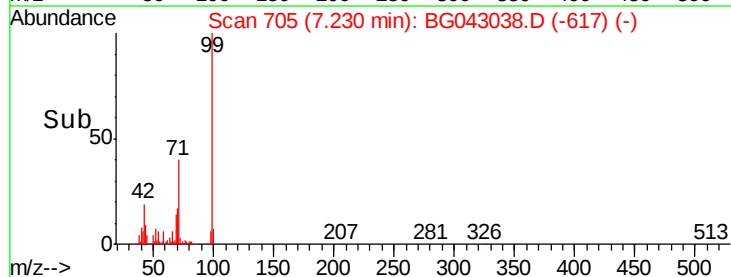
71 39.7 33.1 49.7

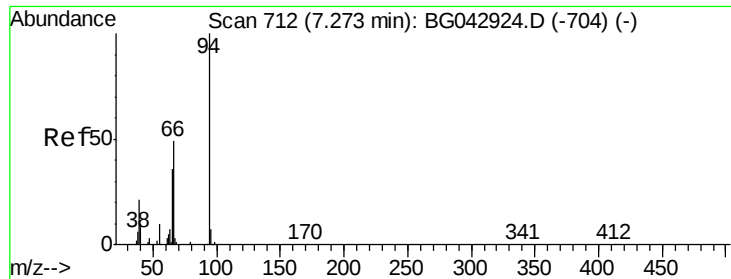


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.900 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Instrument :

BNA_G

ClientSampled :

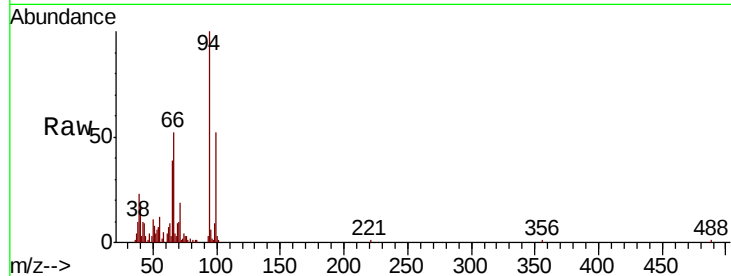
Tot Ion: 94 Resp: 37819

Ion Ratio Lower Upper

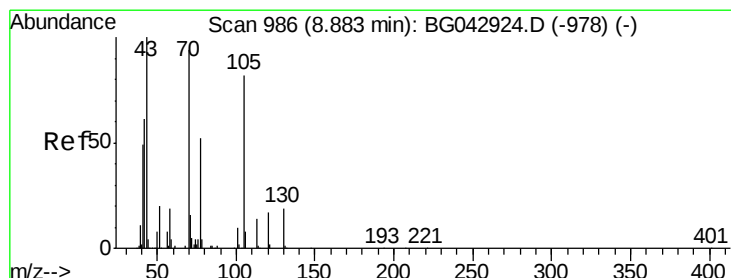
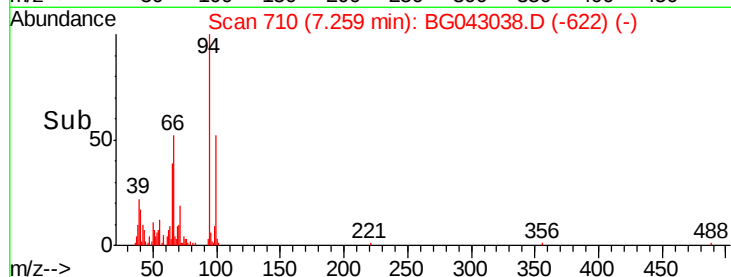
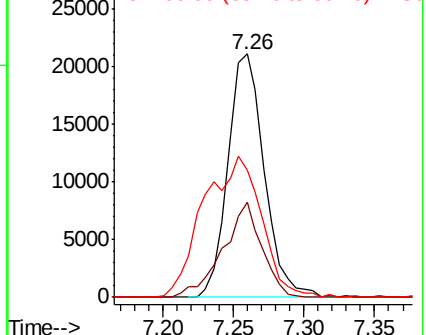
94 100

65 38.8 16.6 56.6

66 52.1 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.031 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Tgt Ion: 70 Resp: 58964

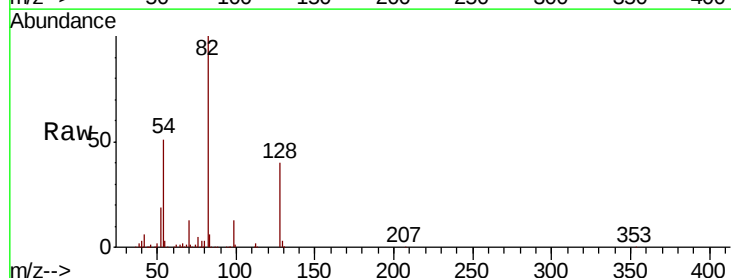
Ion Ratio Lower Upper

70 100

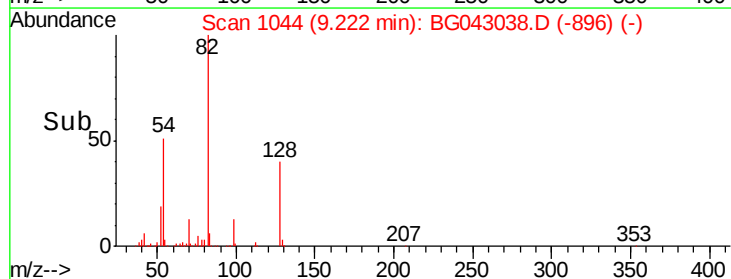
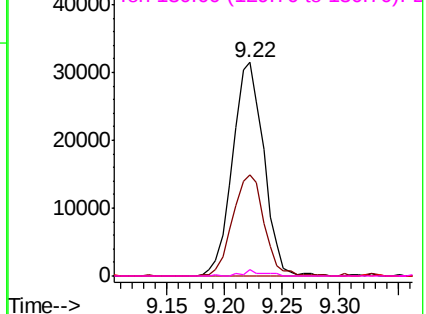
42 47.1 52.6 79.0#

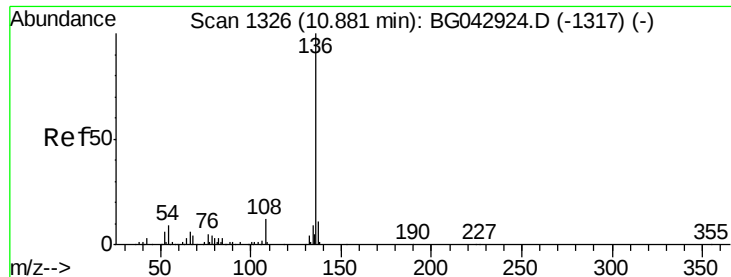
101 0.0 8.7 13.1#

130 2.9 15.8 23.8#



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

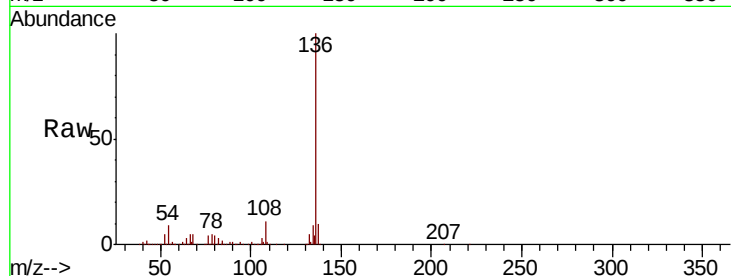




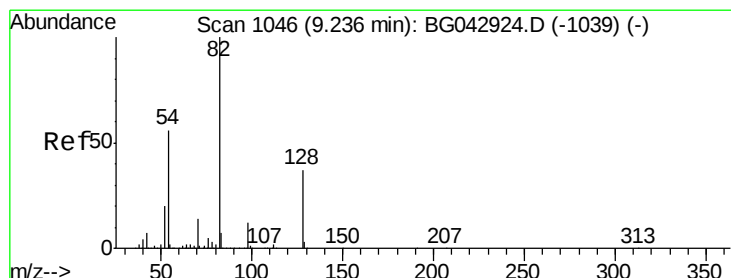
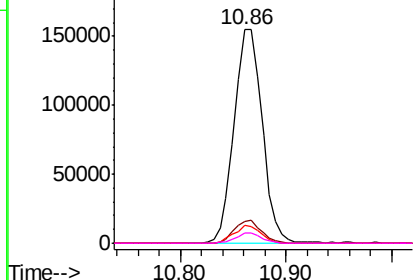
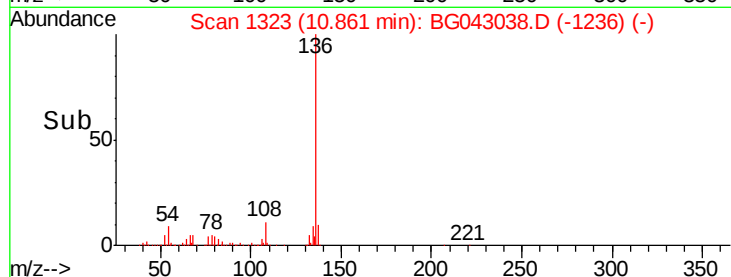
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	285954	
Ion Ratio	Lower	Upper	
136 100			
137 10.0	8.5	12.7	
54 8.7	7.4	11.2	
68 4.6	3.6	5.4	

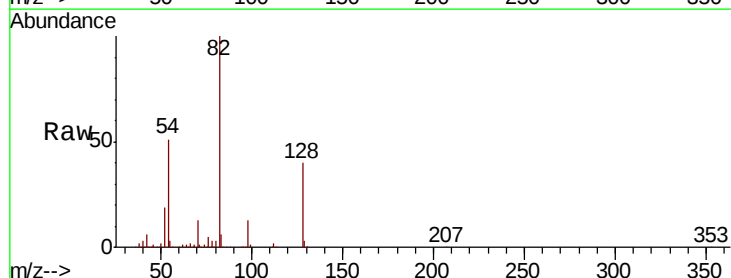


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

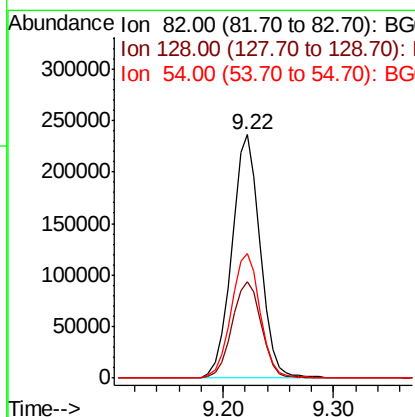
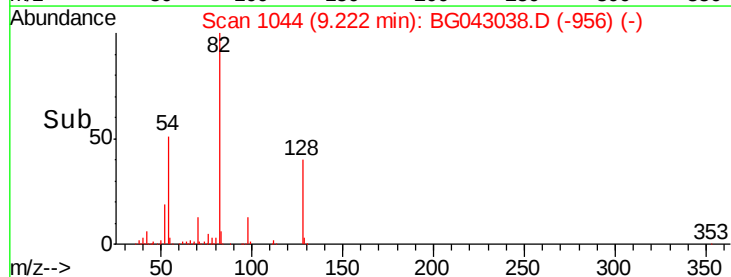


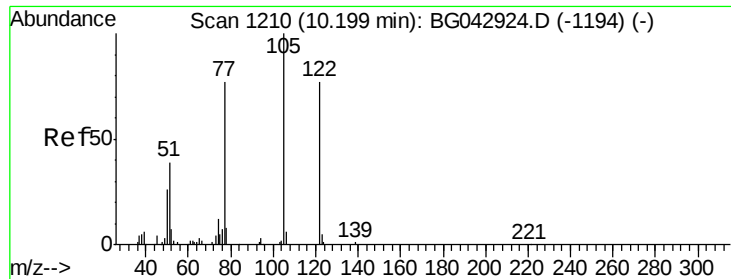
#23
Nitrobenzene-d5
Concen: 72.248 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Tgt Ion: 82	Resp: 425047
Ion Ratio	Lower Upper
82 100	
128 39.7	29.5 44.3
54 51.2	44.6 67.0



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

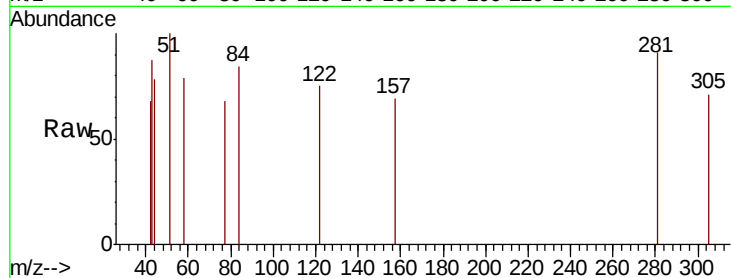




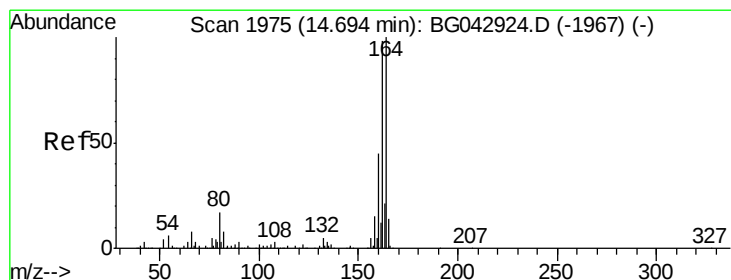
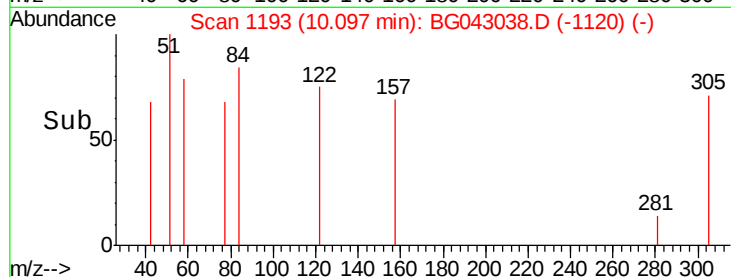
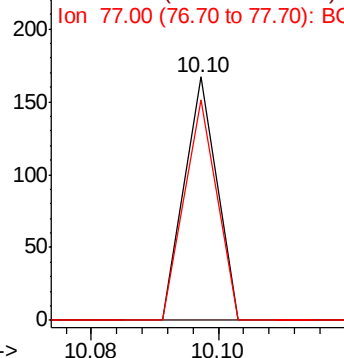
#32
Benzoic acid
Concen: 2.821 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.10 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	90.4	79.8	119.8

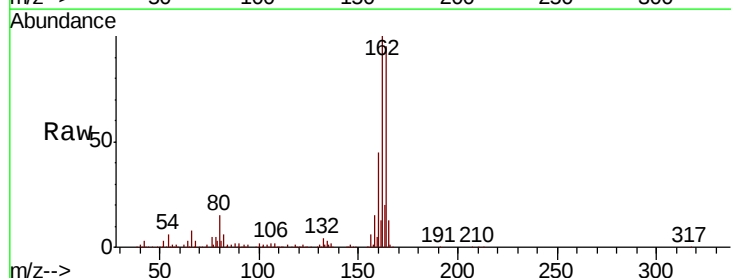


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

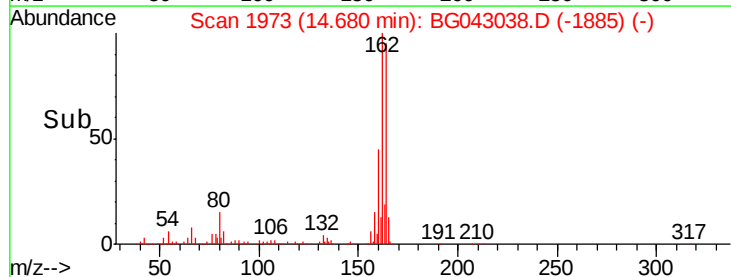
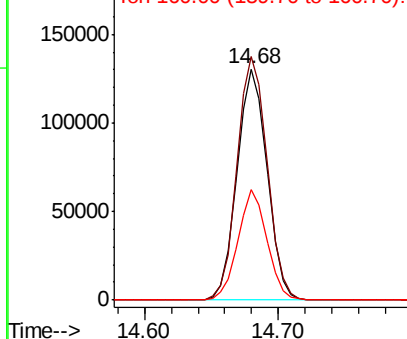


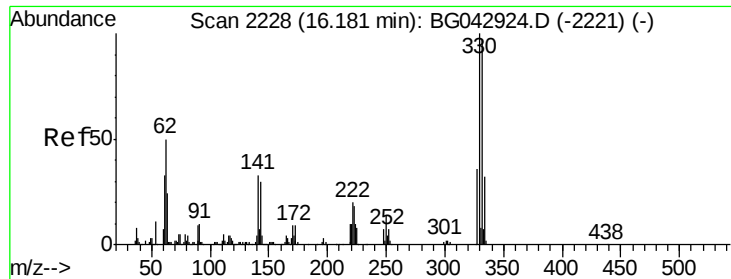
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	78.5	117.7
160	47.5	35.9	53.9



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

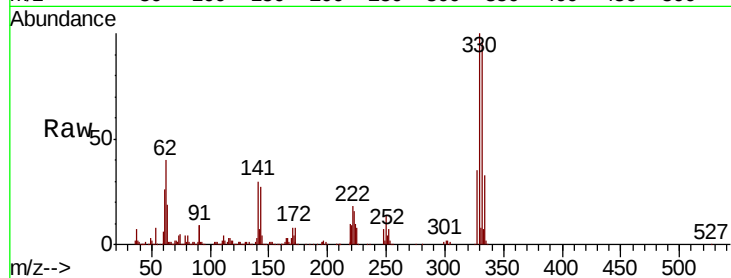




#42
2,4,6-Tribromophenol
Concen: 115.205 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.2	117.2
141	29.2	26.0	39.0

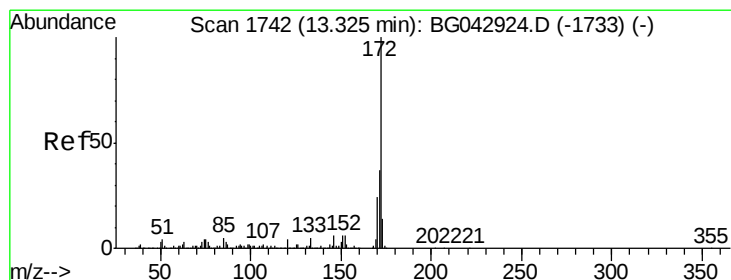
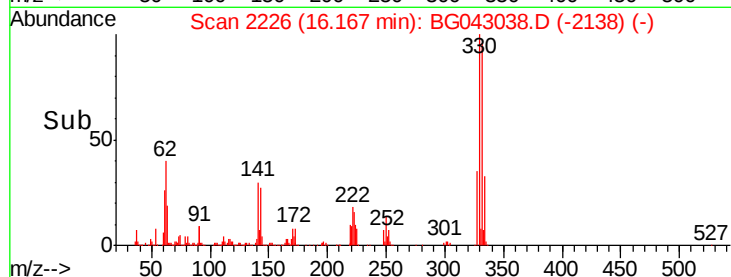
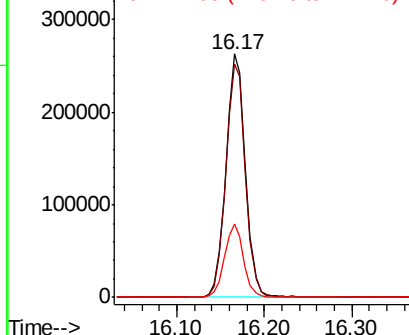


Abundance

Ion 329.80 (329.50 to 330.50): E

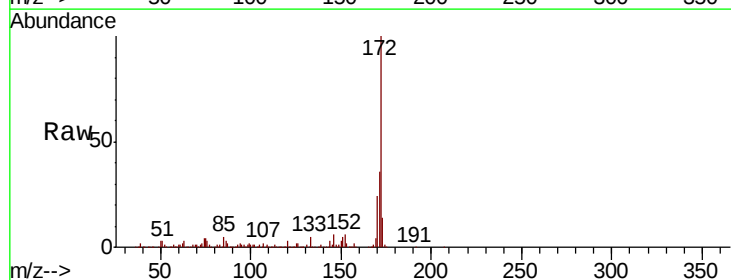
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 73.244 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.5	19.6	29.4

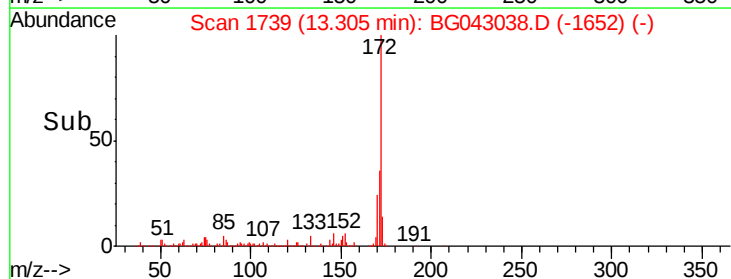
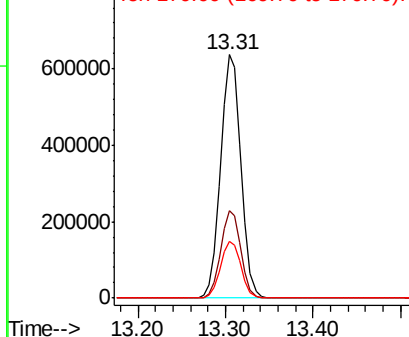


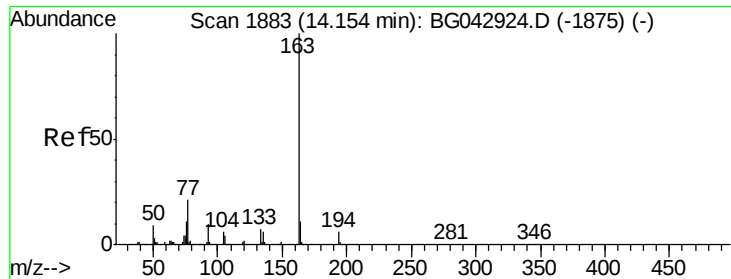
Abundance

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

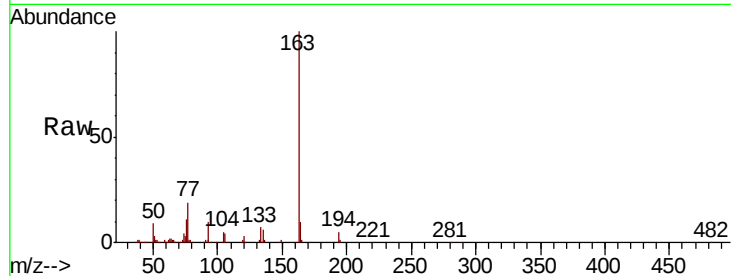




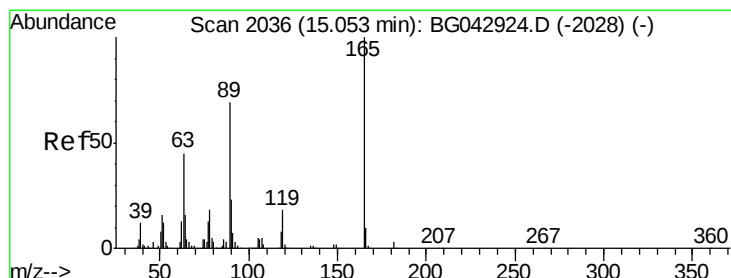
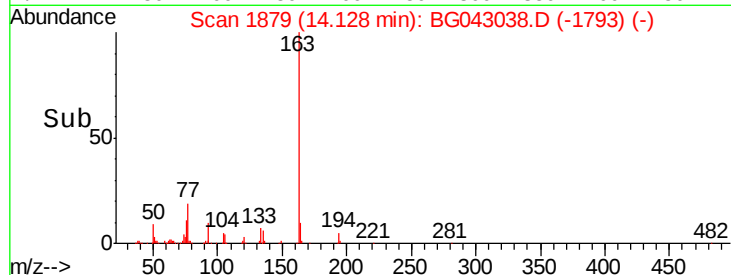
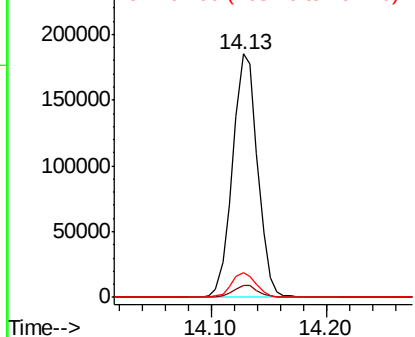
#50
Dimethylphthalate
Concen: 18.262 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 277788
Ion Ratio Lower Upper
163 100
194 5.0 4.4 6.6
164 10.0 8.6 12.8

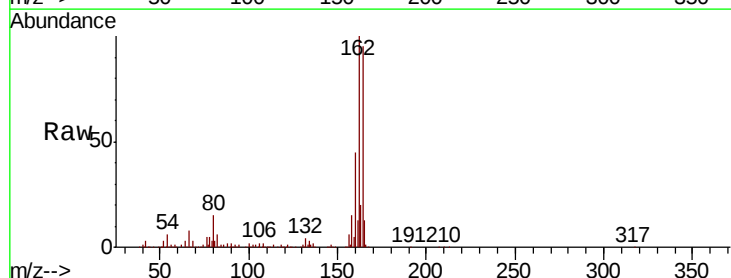


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

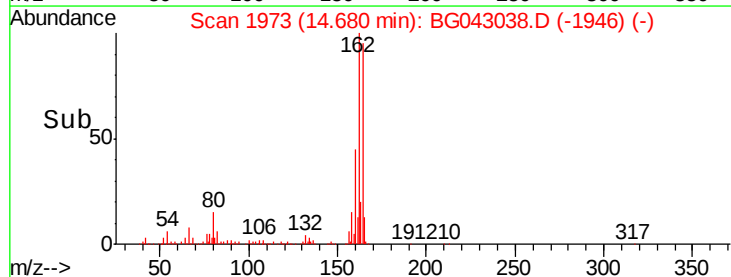
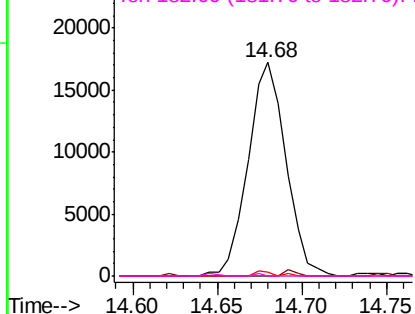


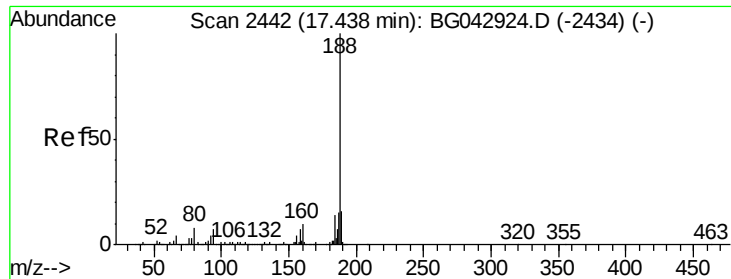
#57
2,4-Dinitrotoluene
Concen: 5.669 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.37 min
Lab File: BG043038.D
Acq: 4 Oct 2019 21:28

Tgt Ion:165 Resp: 26890
Ion Ratio Lower Upper
165 100
63 0.0 36.5 54.7#
89 1.6 55.5 83.3#
182 0.0 2.4 3.6#



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: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Instrument :

BNA_G

ClientSampleId :

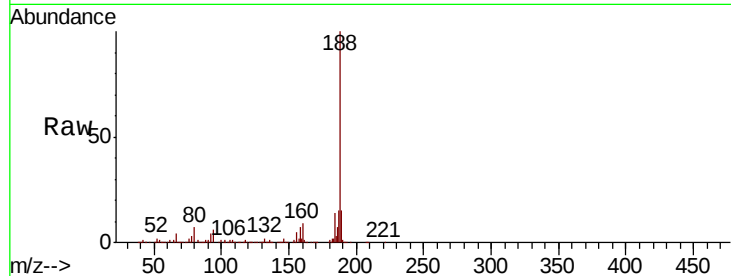
Tot Ion:188 Resp: 480380

Ion Ratio Lower Upper

188 100

94 6.3 5.7 8.5

80 6.7 6.5 9.7

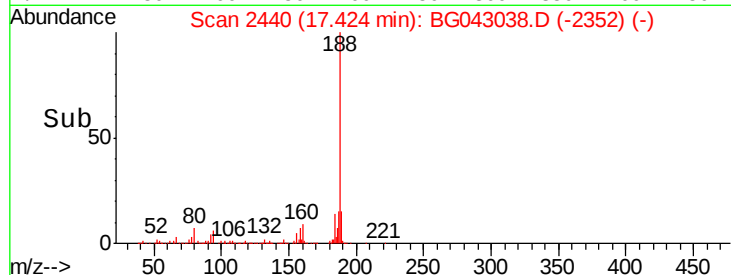


Abundance Ion 188.00 (187.70 to 188.70): E

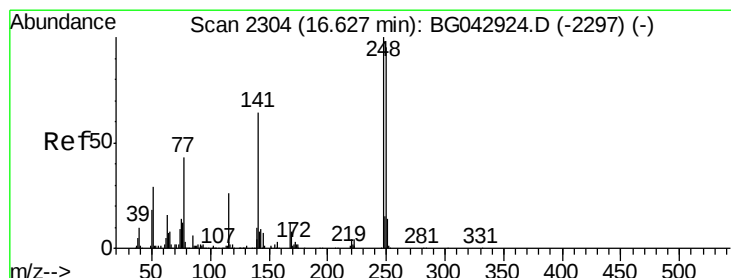
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.700 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

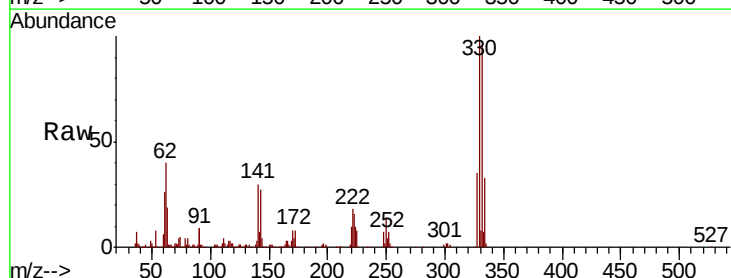
Tgt Ion:248 Resp: 28337

Ion Ratio Lower Upper

248 100

250 190.5 75.8 113.8#

141 416.6 51.1 76.7#

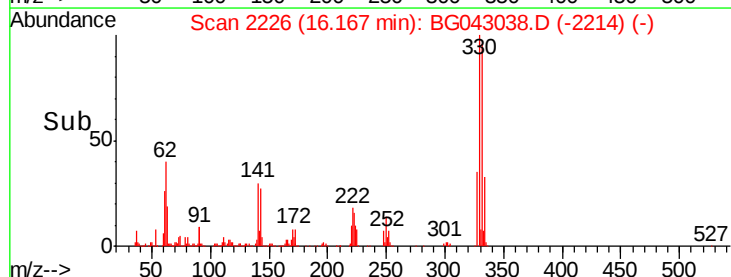


Abundance Ion 248.00 (247.70 to 248.70): E

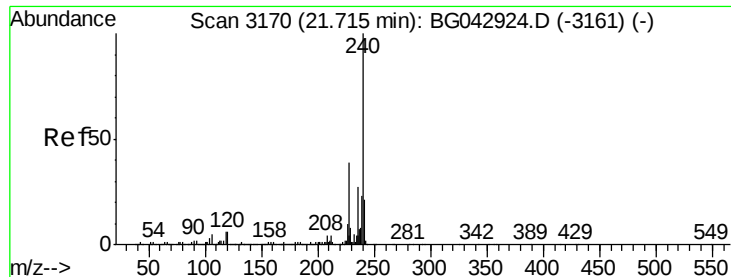
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.03 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Instrument :

BNA_G

ClientSampleId :

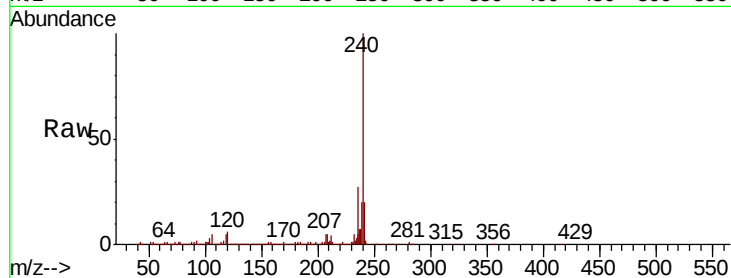
Tot Ion:240 Resp: 513886

Ion Ratio Lower Upper

240 100

120 6.3 4.8 7.2

236 26.8 21.4 32.0

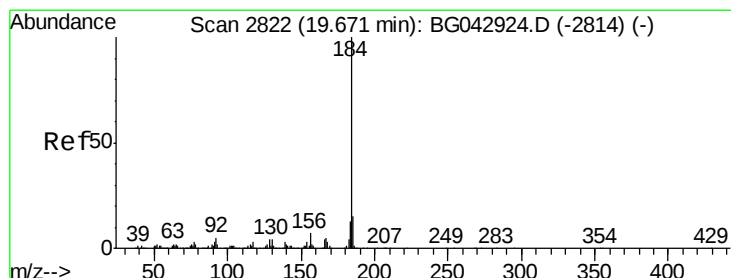
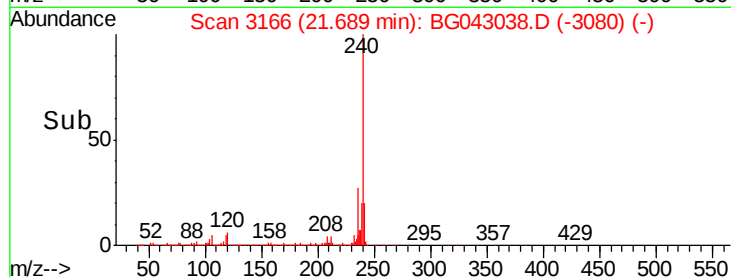
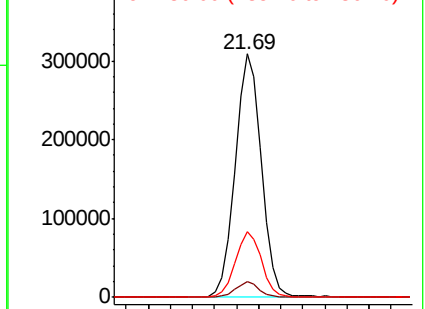


Abundance

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: 2.390 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

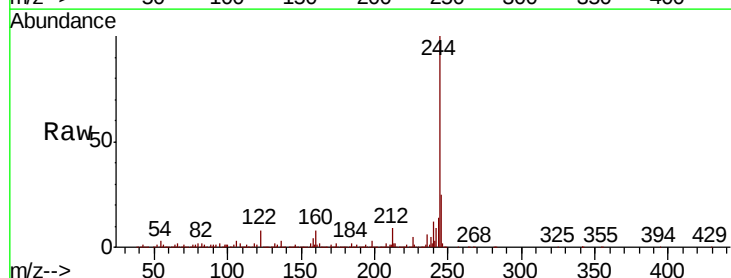
Tgt Ion:184 Resp: 30750

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8

183 8.7 10.1 15.1#

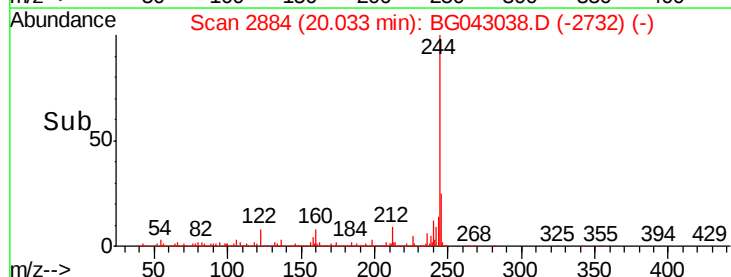
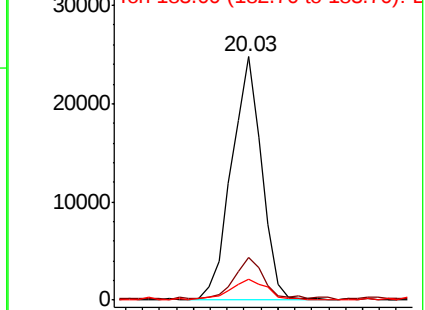


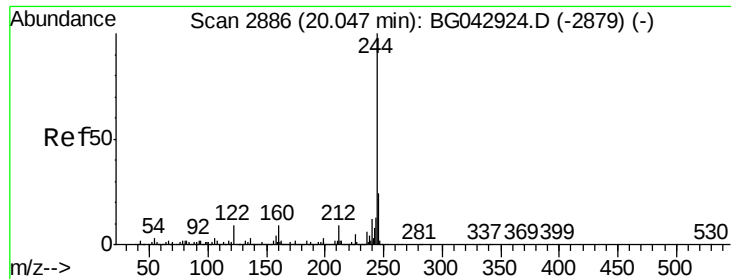
Abundance

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: 78.207 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

Instrument :

BNA_G

ClientSampleId :

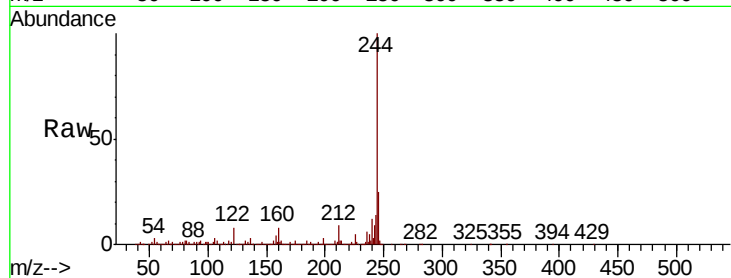
Tot Ion:244 Resp: 1886053

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

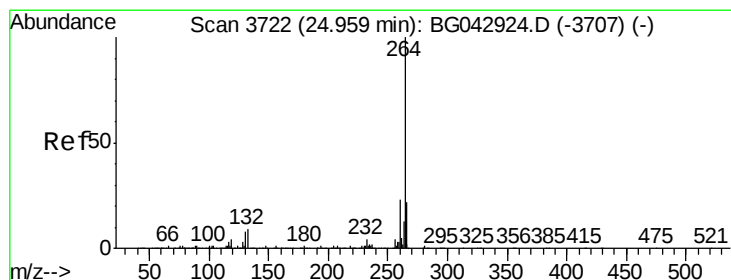
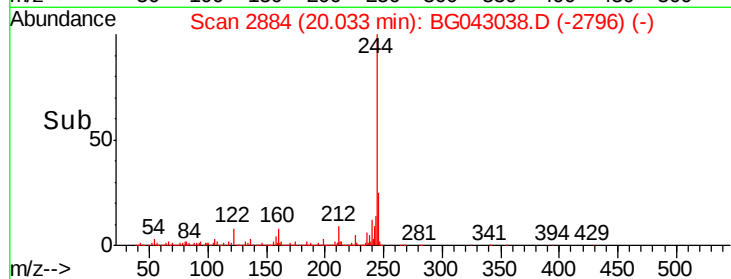
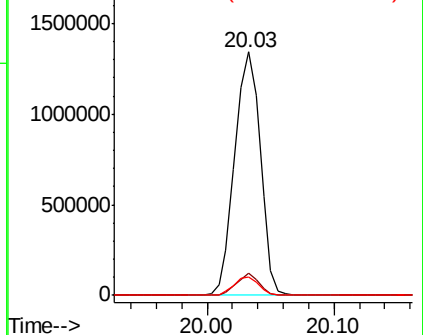
122 7.6 7.0 10.4



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: 24.91 min Scan# 3714

Delta R.T. -0.05 min

Lab File: BG043038.D

Acq: 4 Oct 2019 21:28

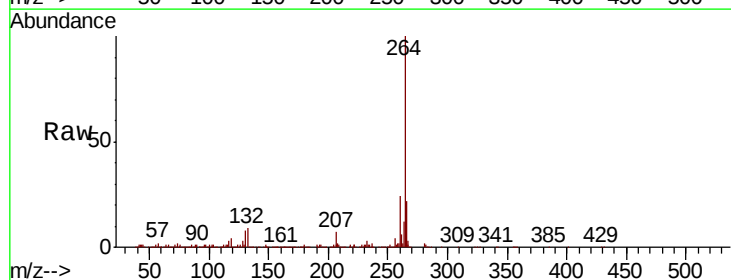
Tgt Ion:264 Resp: 601085

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.9 17.7 26.5



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

