

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043077.D
 Acq On : 7 Oct 2019 21:05
 Operator : JU
 Sample : K5154-26
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 01:49:24 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

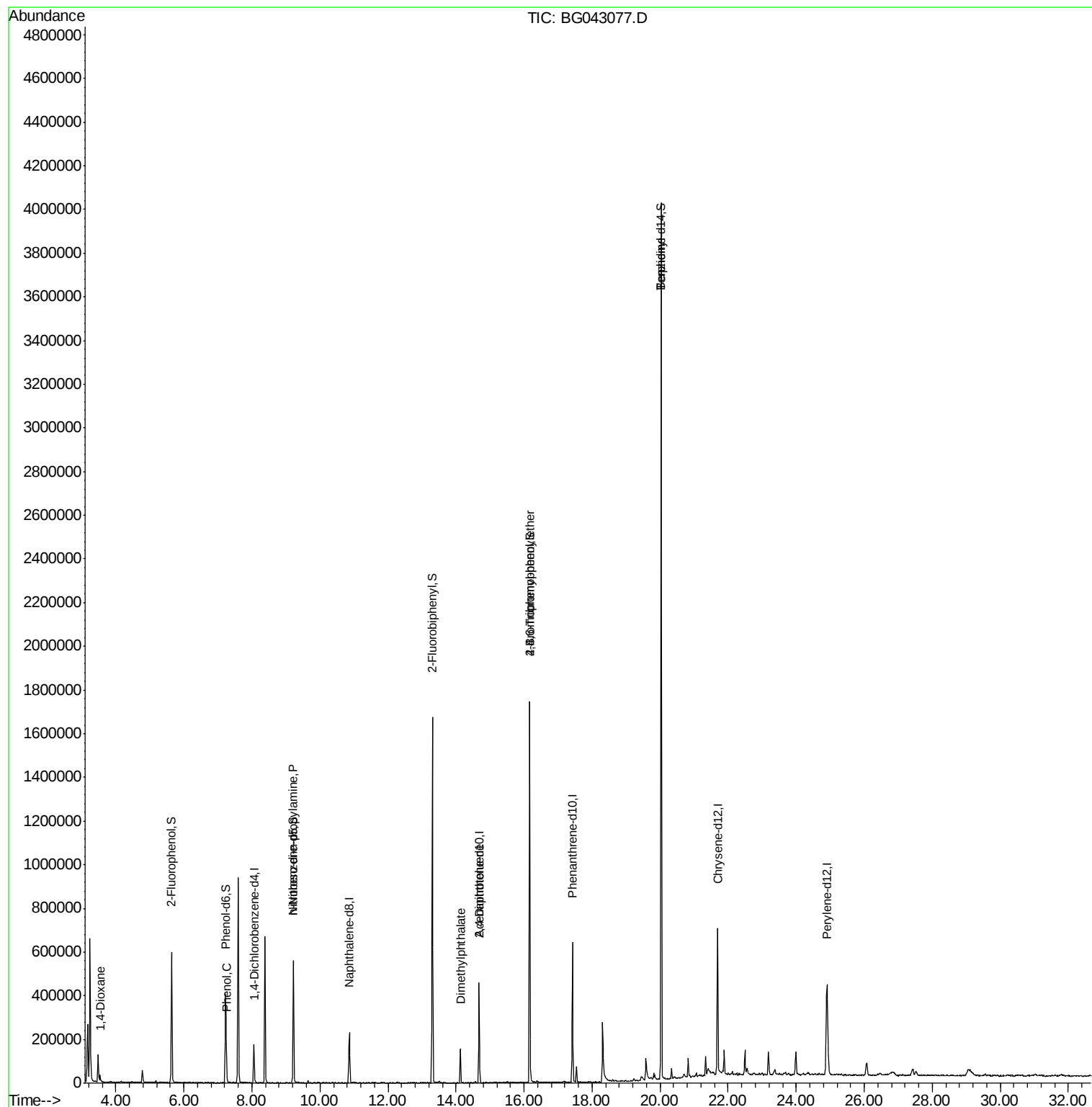
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	52854	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	205101	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	163275	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	404193	20.00	ng	-0.02
76) Chrysene-d12	21.68	240	422823	20.00	ng	-0.03
87) Perylene-d12	24.90	264	485278	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	255264	86.19	ng	-0.02
7) Phenol-d6	7.22	99	243941	57.20	ng	-0.02
23) Nitrobenzene-d5	9.22	82	349509	82.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	384952	137.11	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	915492	81.29	ng	-0.02
79) Terphenyl-d14	20.03	244	1965393	99.05	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.54	88	16606	13.448	ng	Qvalue 89
10) Phenol	7.25	94	24240	6.195	ng	97
19) n-Nitroso-di-n-propylamine	9.22	70	50192	17.923	ng	# 72
50) Dimethylphthalate	14.13	163	107729	8.806	ng	# 98
57) 2,4-Dinitrotoluene	14.68	165	21753	5.702	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	25890	5.103	ng	# 1
77) Benzidine	20.03	184	31673	2.992	ng	# 92

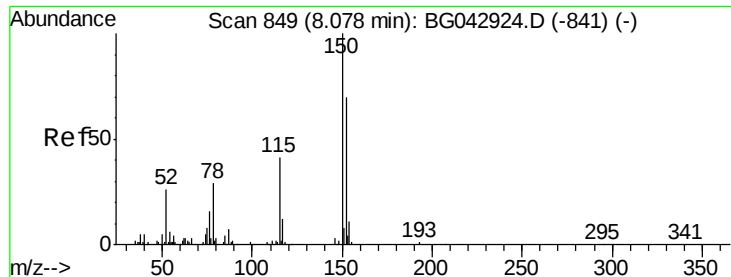
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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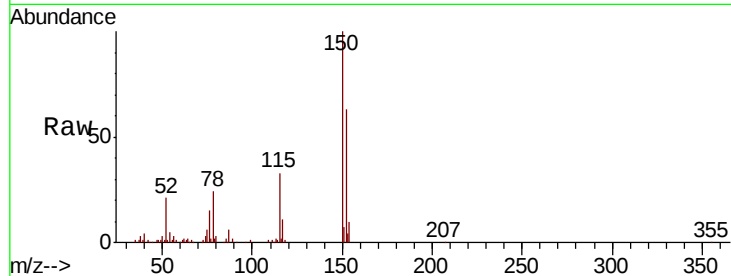


#1

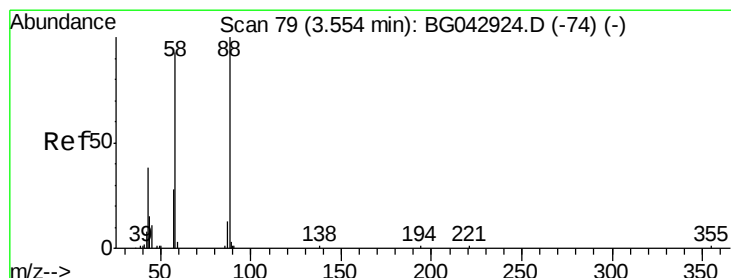
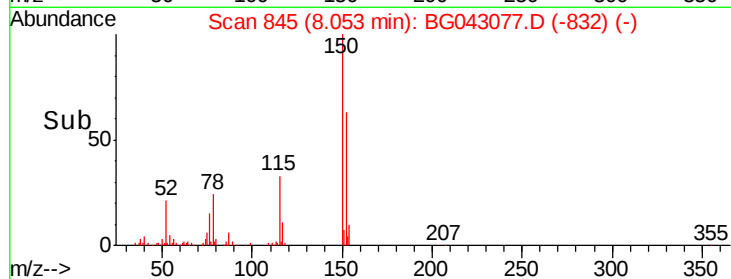
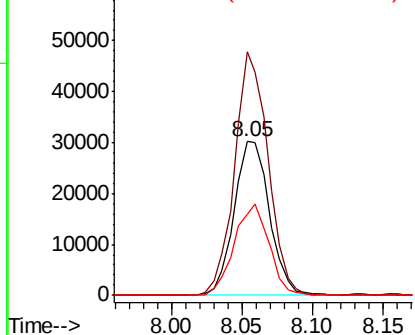
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.03 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52854
Ion Ratio Lower Upper
152 100
150 158.1 115.0 172.4
115 52.9 47.0 70.6



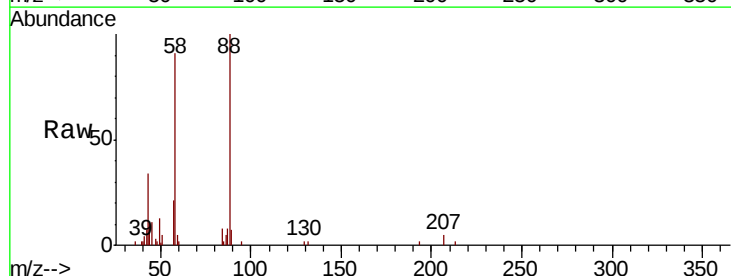
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



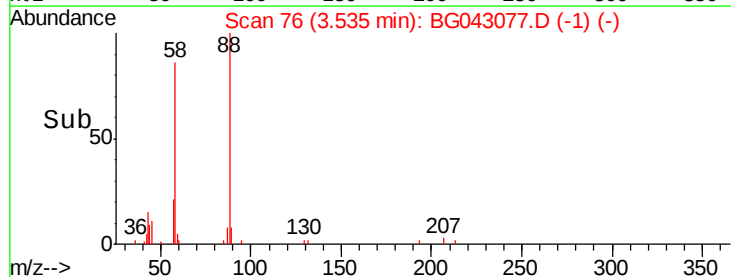
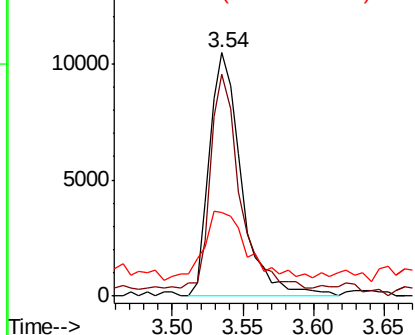
#2

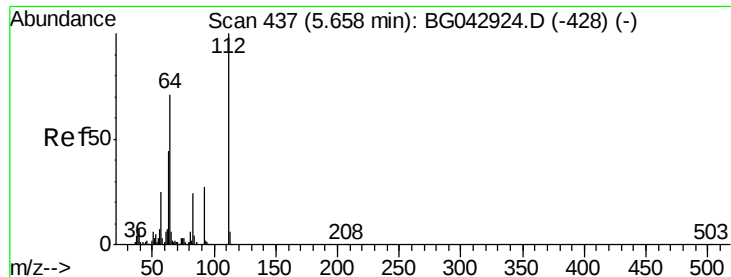
1,4-Dioxane
Concen: 13.448 ng
RT: 3.54 min Scan# 76
Delta R.T. -0.02 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Tgt Ion: 88 Resp: 16606
Ion Ratio Lower Upper
88 100
58 79.3 74.3 111.5
43 35.1 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: 86.190 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

Instrument :

BNA_G

ClientSampleId :

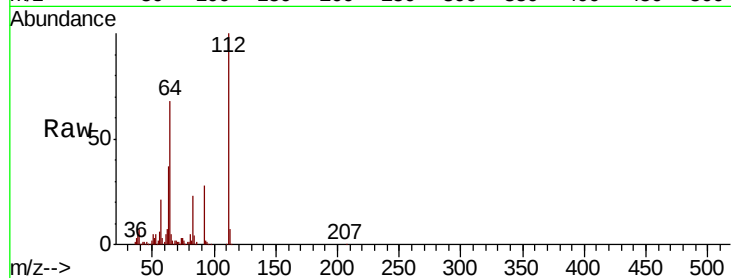
Tot Ion:112 Resp: 255264

Ion Ratio Lower Upper

112 100

64 68.3 56.6 84.8

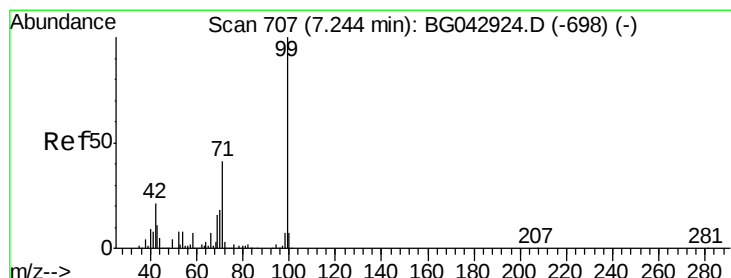
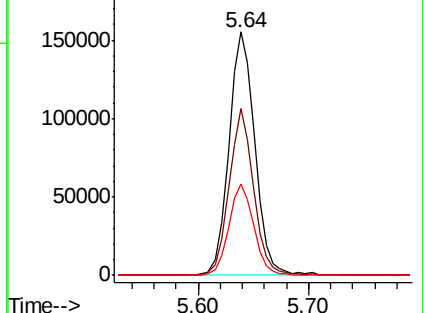
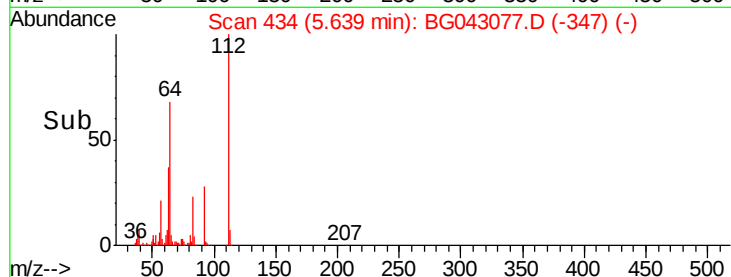
63 37.3 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 57.197 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

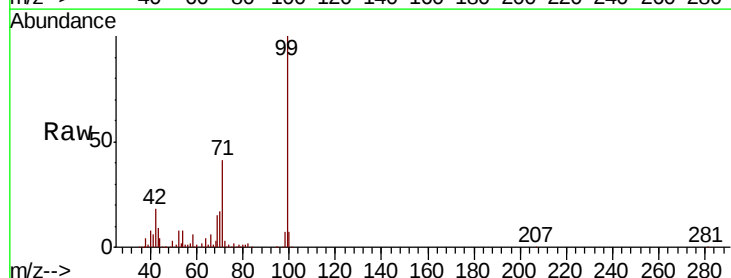
Tgt Ion: 99 Resp: 243941

Ion Ratio Lower Upper

99 100

42 18.5 17.2 25.8

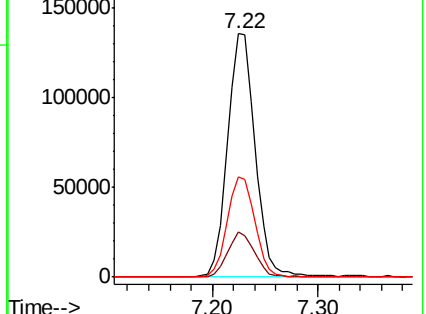
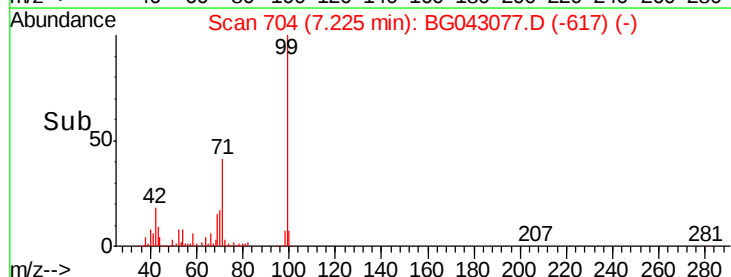
71 41.1 33.1 49.7

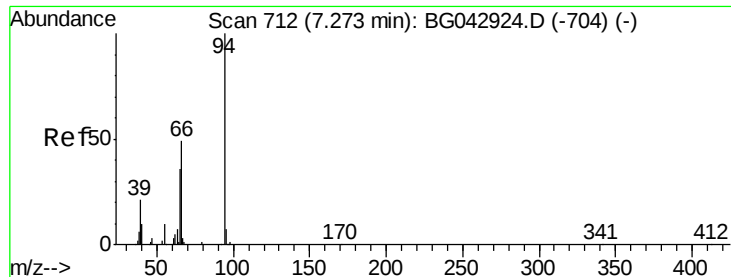


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.195 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

Instrument :

BNA_G

ClientSampleId :

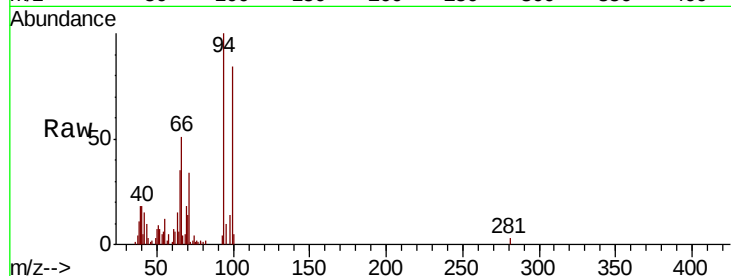
Tot Ion: 94 Resp: 24240

Ion Ratio Lower Upper

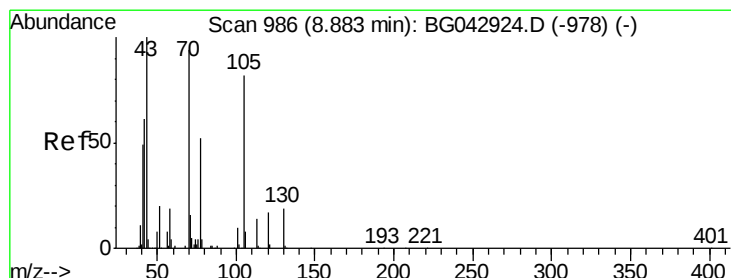
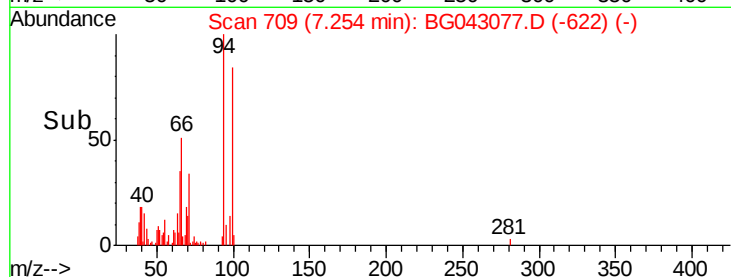
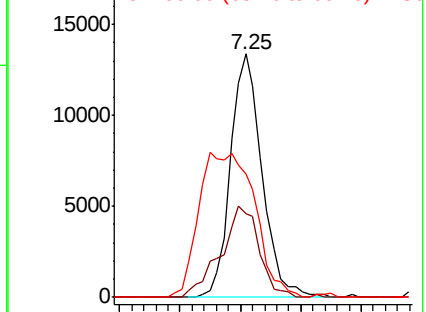
94 100

65 34.5 16.6 56.6

66 50.7 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: 17.923 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.33 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

Tgt Ion: 70 Resp: 50192

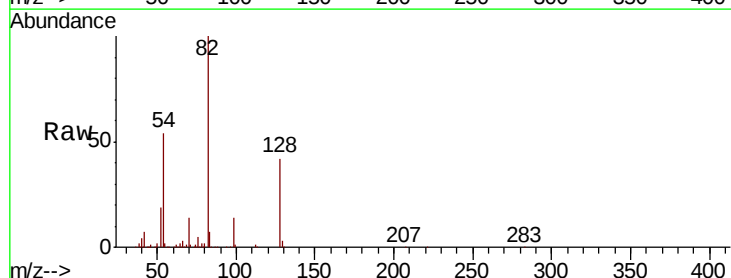
Ion Ratio Lower Upper

70 100

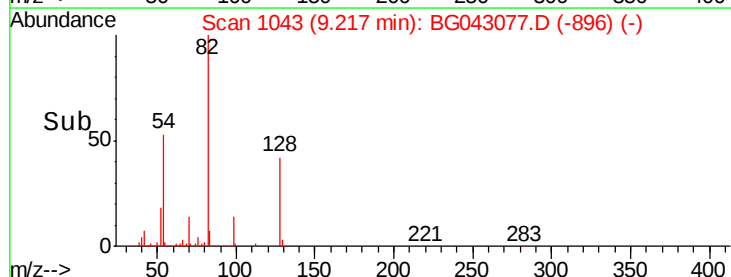
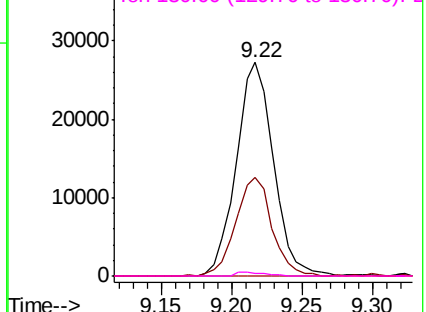
42 46.2 52.6 79.0#

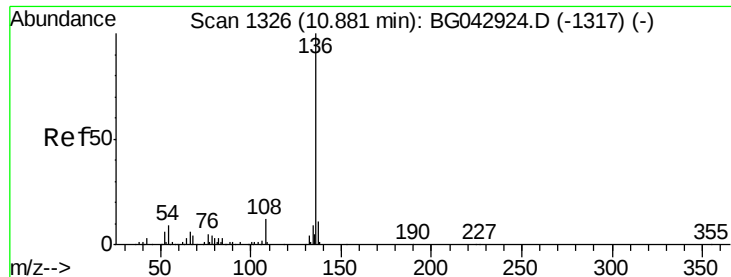
101 0.0 8.7 13.1#

130 1.3 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

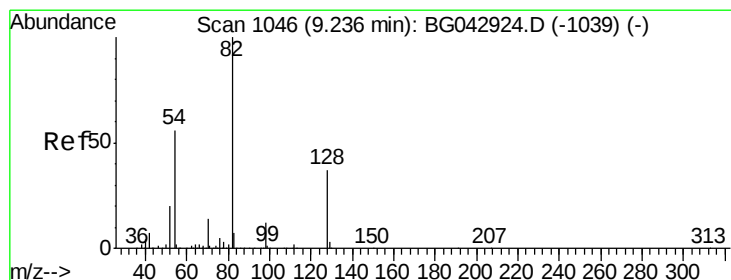
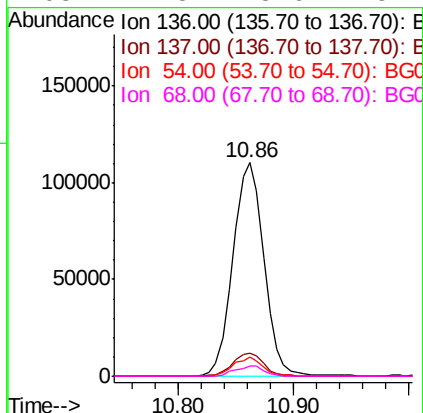
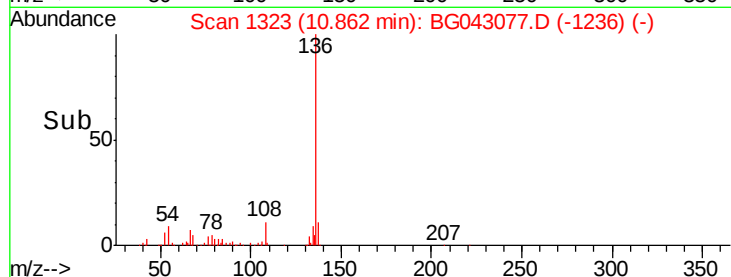
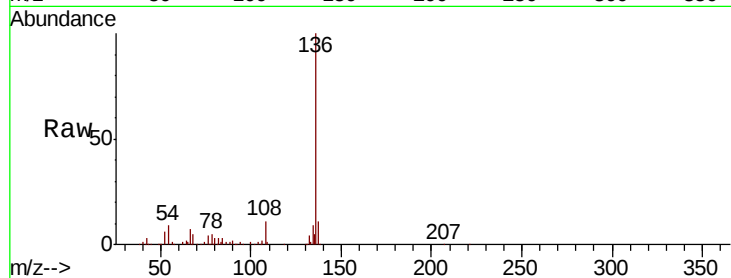




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

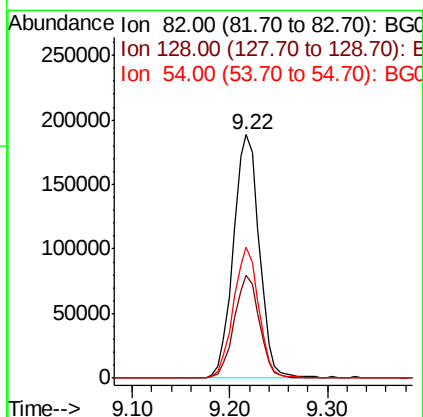
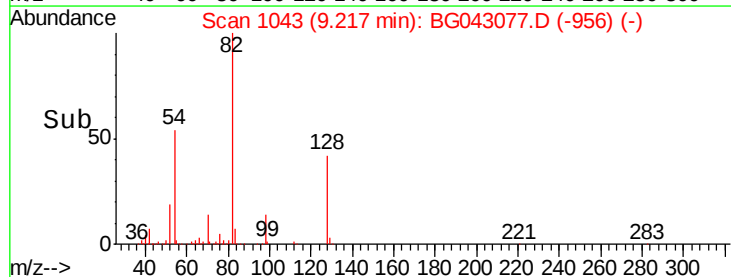
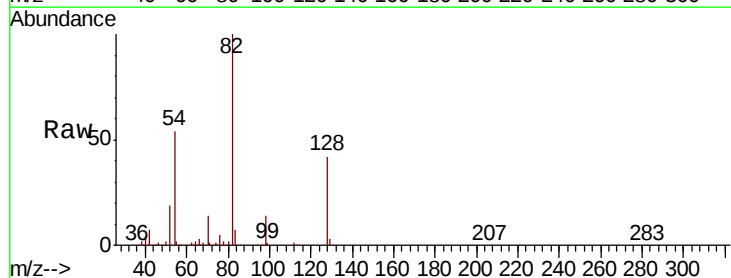
Instrument :
BNA_G
ClientSampleId :

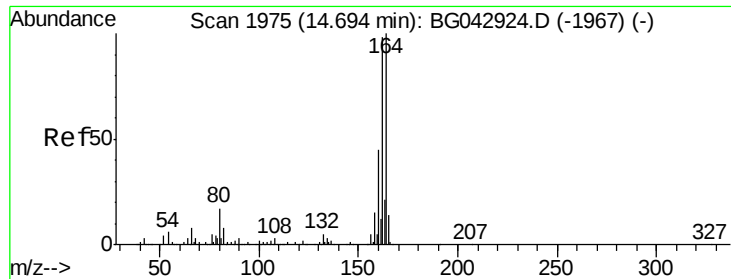
Tot Ion:136	Resp: 205101
Ion Ratio	Lower Upper
136 100	
137 10.8	8.5 12.7
54 8.8	7.4 11.2
68 4.8	3.6 5.4



#23
Nitrobenzene-d5
Concen: 82.827 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Tgt Ion: 82	Resp: 349509
Ion Ratio	Lower Upper
82 100	
128 42.3	29.5 44.3
54 53.8	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043077.D

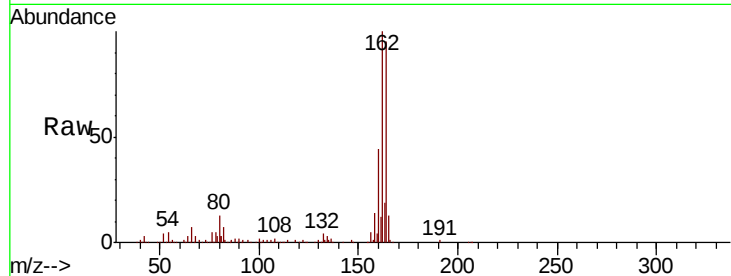
Acq: 7 Oct 2019 21:05

Instrument :

BNA_G

ClientSampled :

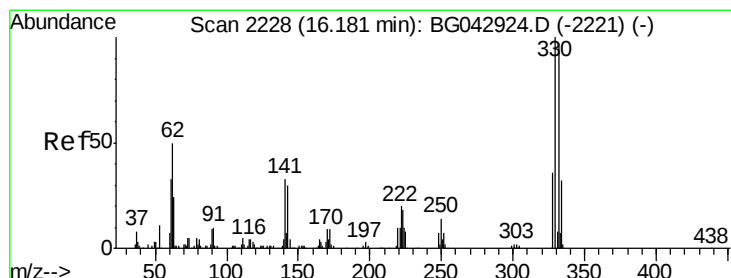
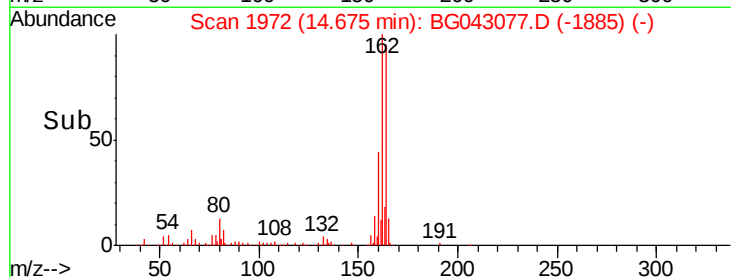
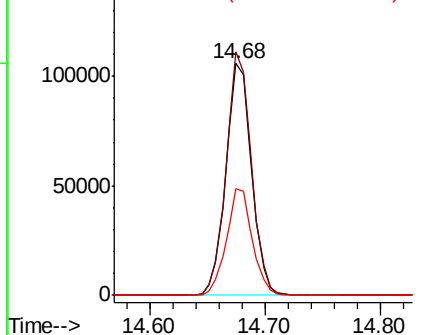
Tot Ion:	164	Resp:	163275
Ion	Ratio	Lower	Upper
164	100		
162	105.1	78.5	117.7
160	45.9	35.9	53.9



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: 137.110 ng

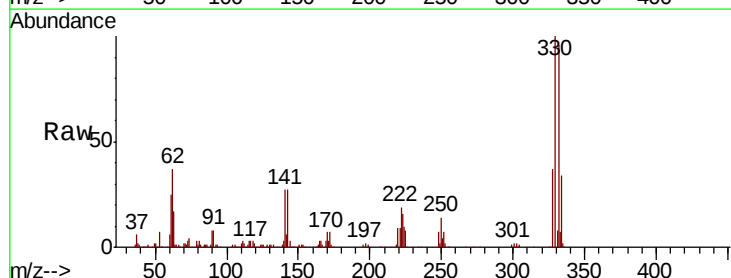
RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

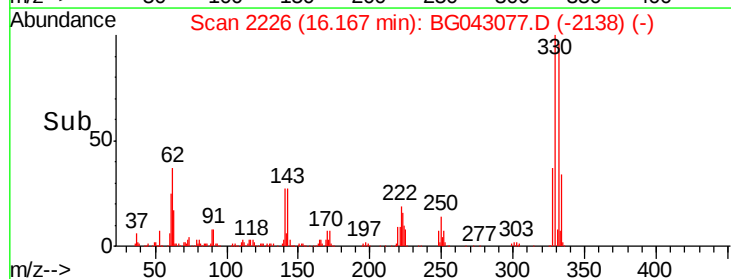
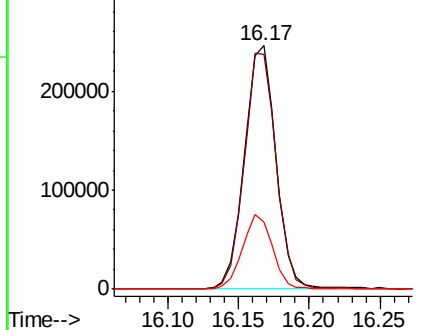
Tgt Ion:	330	Resp:	384952
Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.2	117.2
141	29.2	26.0	39.0

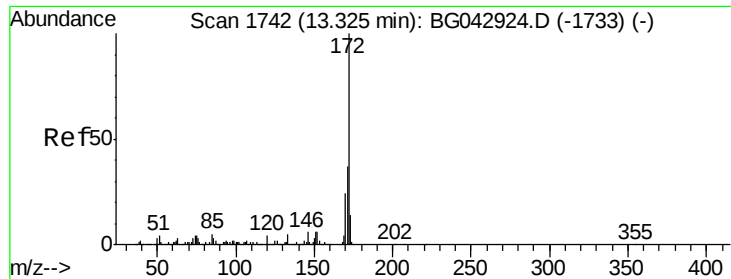


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

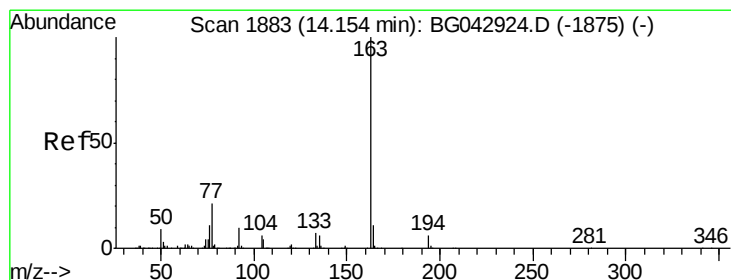
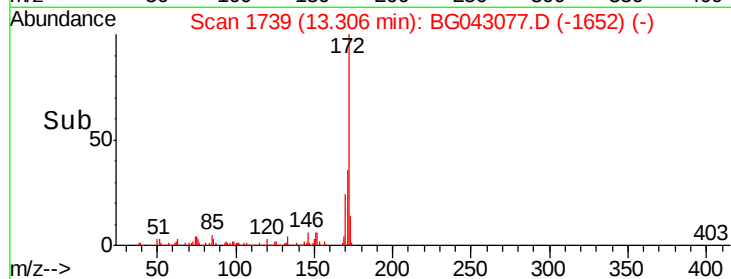
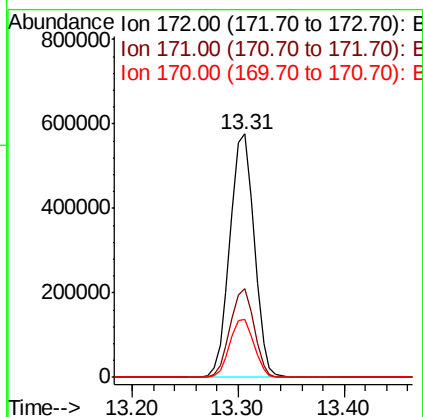
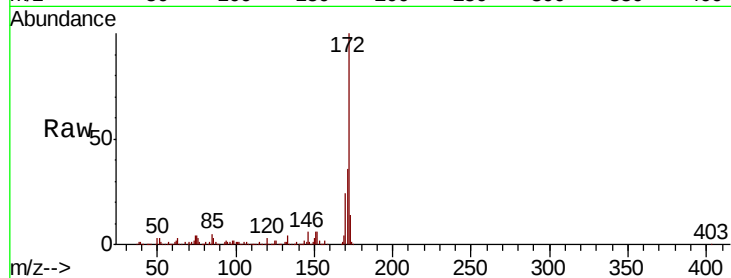




#45
2-Fluorobiphenyl
Concen: 81.285 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

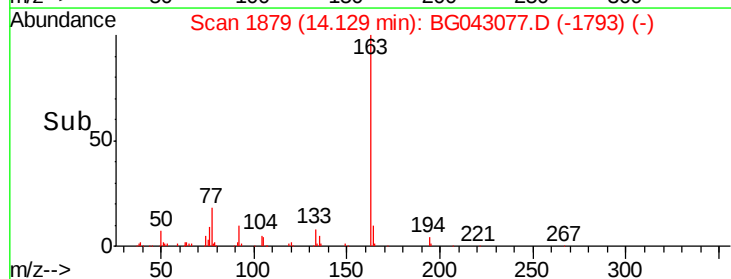
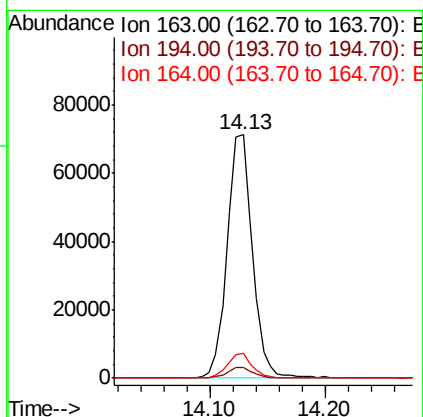
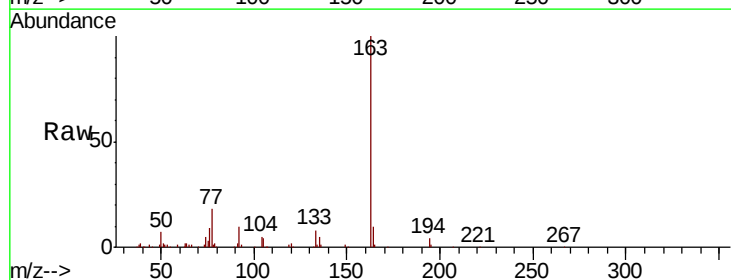
Instrument :
BNA_G
ClientSampleId :

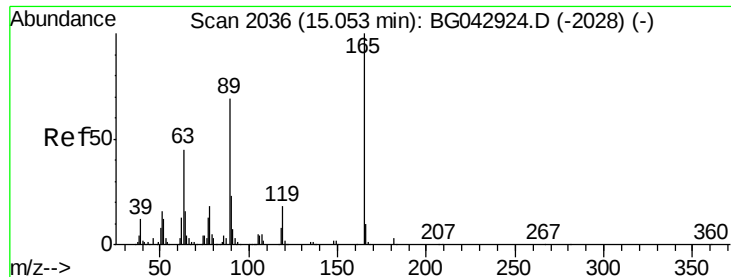
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.8	19.6	29.4



#50
Dimethylphthalate
Concen: 8.806 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	4.4	6.6#
164	10.2	8.6	12.8

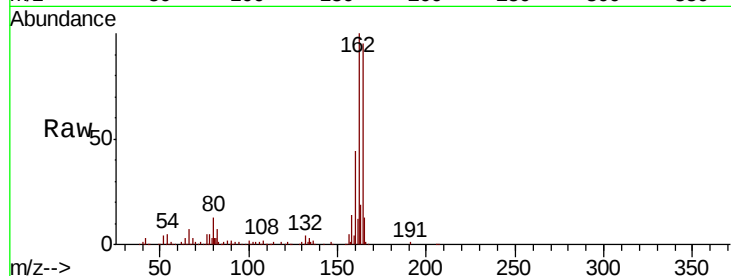




#57
 2,4-Dinitrotoluene
 Concen: 5.702 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043077.D
 Acq: 7 Oct 2019 21:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.5	54.7#
89	2.1	55.5	83.3#
182	0.0	2.4	3.6#

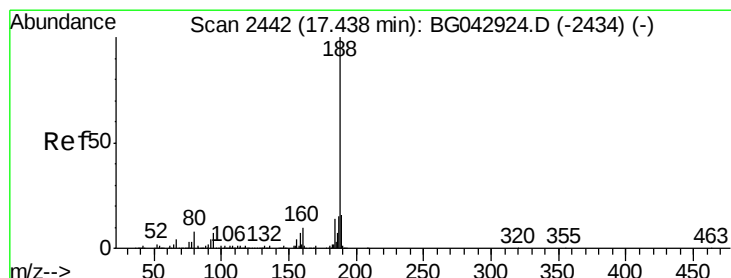
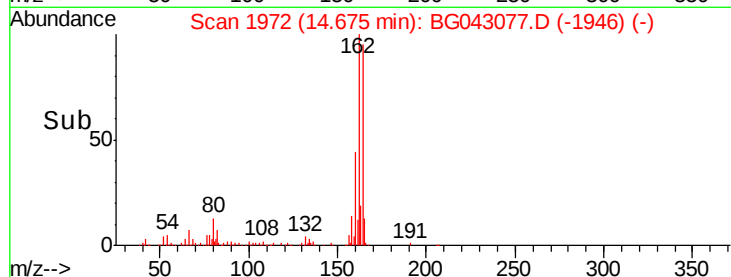
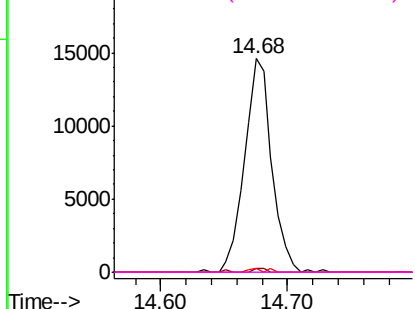


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

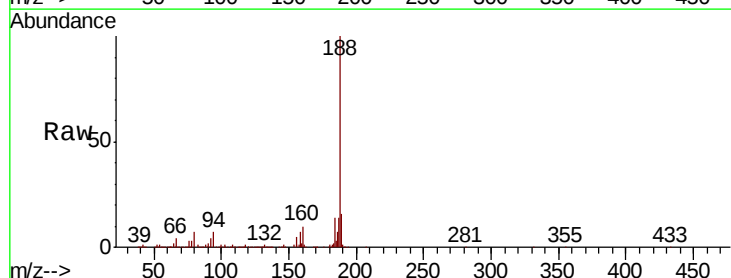
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043077.D
 Acq: 7 Oct 2019 21:05

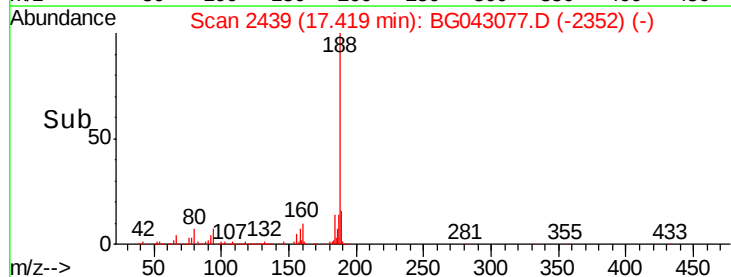
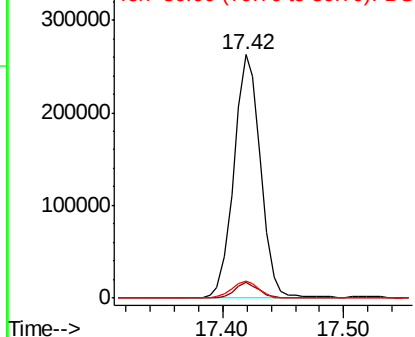
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.7	8.5
80	7.0	6.5	9.7

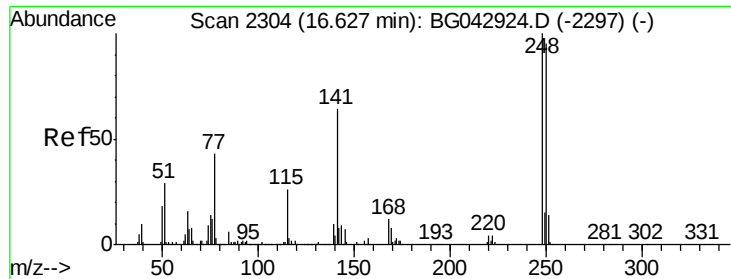


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

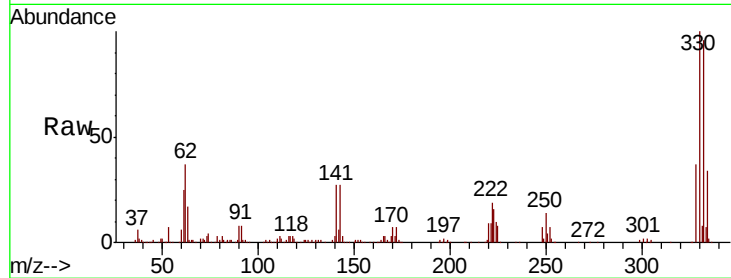




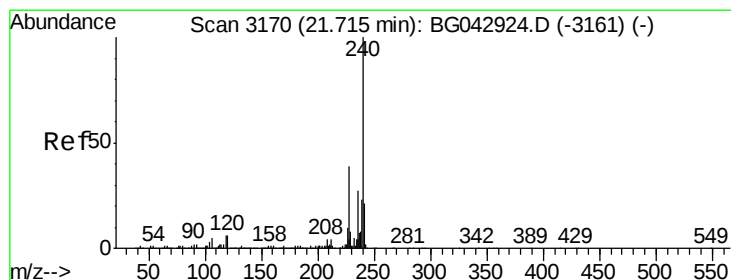
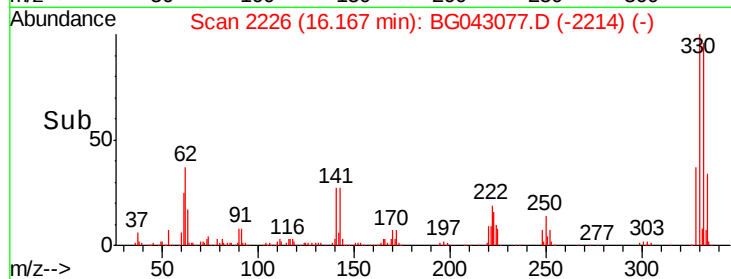
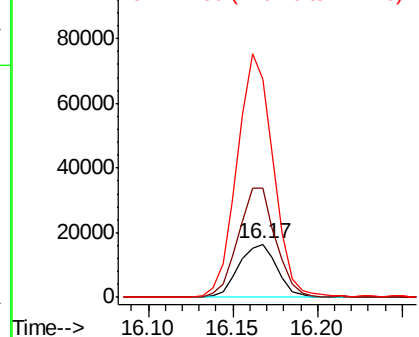
#67
4-Bromophenyl-phenylether
Concen: 5.103 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 25890
Ion Ratio Lower Upper
248 100
250 203.9 75.8 113.8#
141 407.2 51.1 76.7#

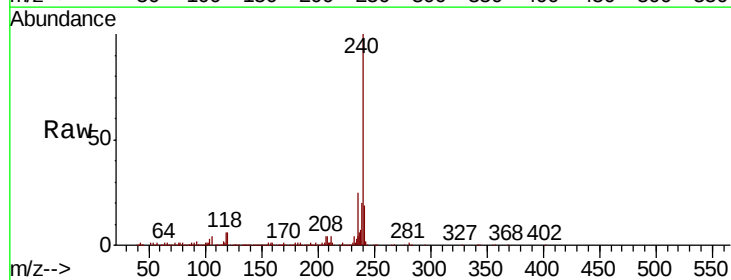


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

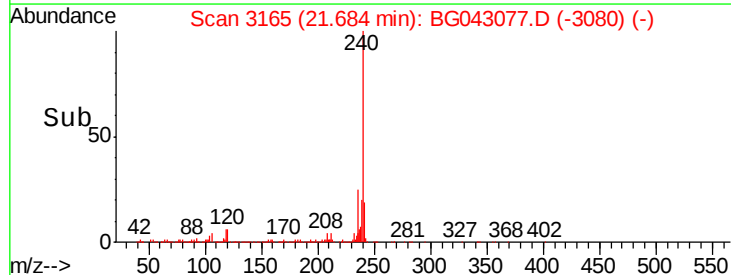
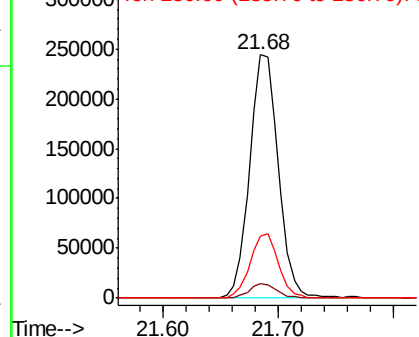


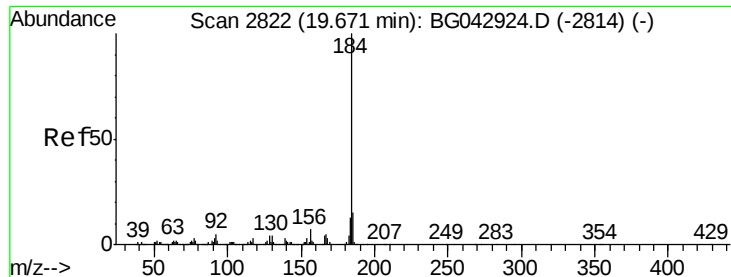
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.03 min
Lab File: BG043077.D
Acq: 7 Oct 2019 21:05

Tgt Ion:240 Resp: 422823
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 25.3 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: 2.992 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

Instrument :

BNA_G

ClientSampleId :

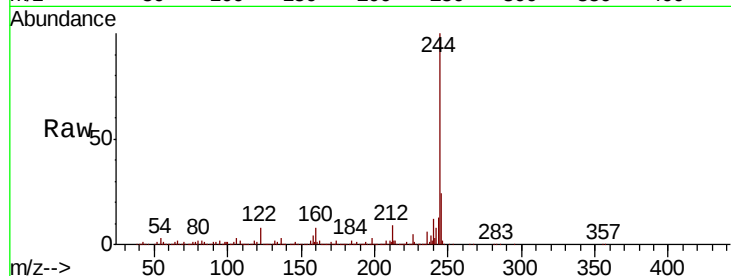
Tot Ion:184 Resp: 31673

Ion Ratio Lower Upper

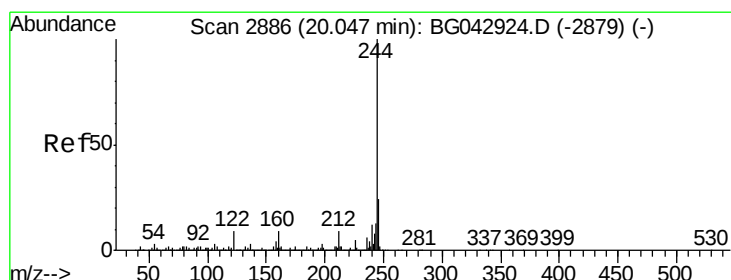
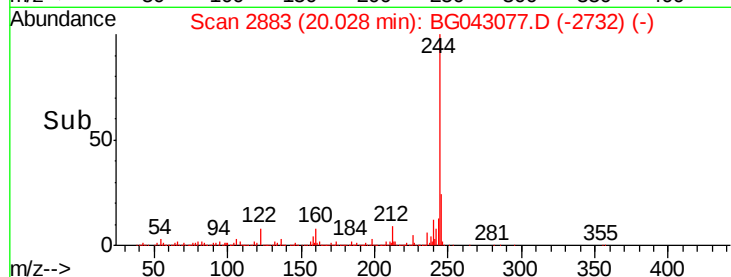
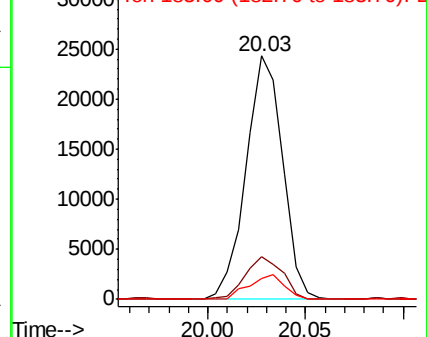
184 100

185 17.3 11.8 17.8

183 8.6 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: 99.049 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043077.D

Acq: 7 Oct 2019 21:05

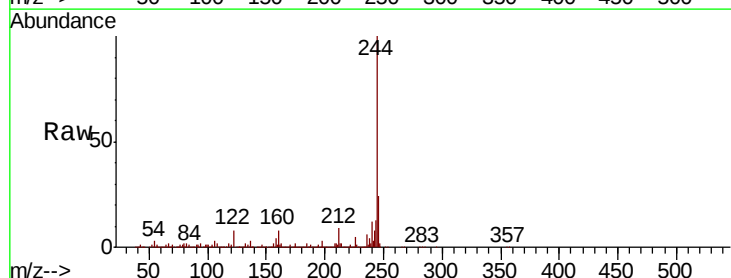
Tgt Ion:244 Resp: 1965393

Ion Ratio Lower Upper

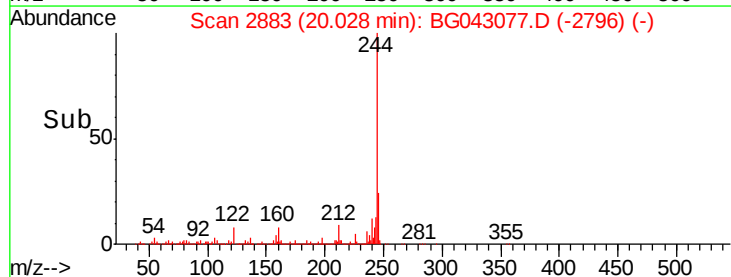
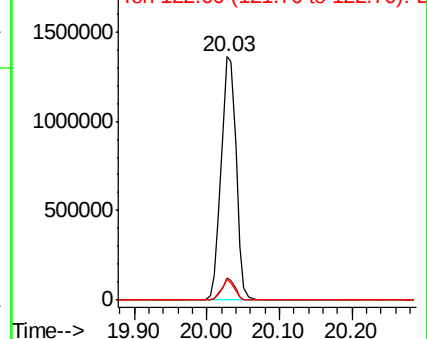
244 100

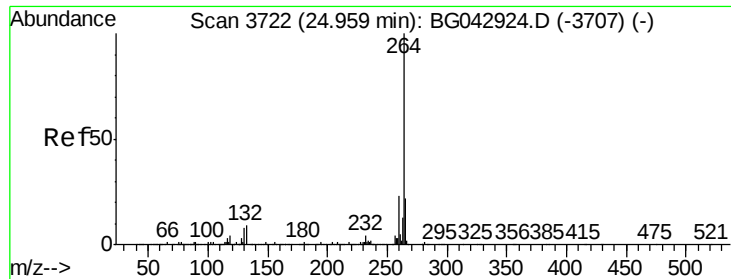
212 8.9 7.4 11.0

122 8.4 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3713
 Delta R.T. -0.05 min
 Lab File: BG043077.D
 Acq: 7 Oct 2019 21:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	22.5	17.7	26.5

