

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042902.D
 Acq On : 18 Sep 2019 20:06
 Operator : HP/JU
 Sample : K4878-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:14:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54235	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	210481	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	161685	20.00	ng	-0.03
64) Phenanthrene-d10	17.45	188	370935	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	355366	20.00	ng	-0.03
87) Perylene-d12	24.98	264	376885	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	359234	115.16	ng	0.00
7) Phenol-d6	7.28	99	491668	109.81	ng	0.00
23) Nitrobenzene-d5	9.26	82	436206	107.90	ng	-0.03
42) 2,4,6-Tribromophenol	16.20	330	232377	108.03	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1044513	102.26	ng	-0.03
79) Terphenyl-d14	20.06	244	1765681	110.12	ng	-0.03

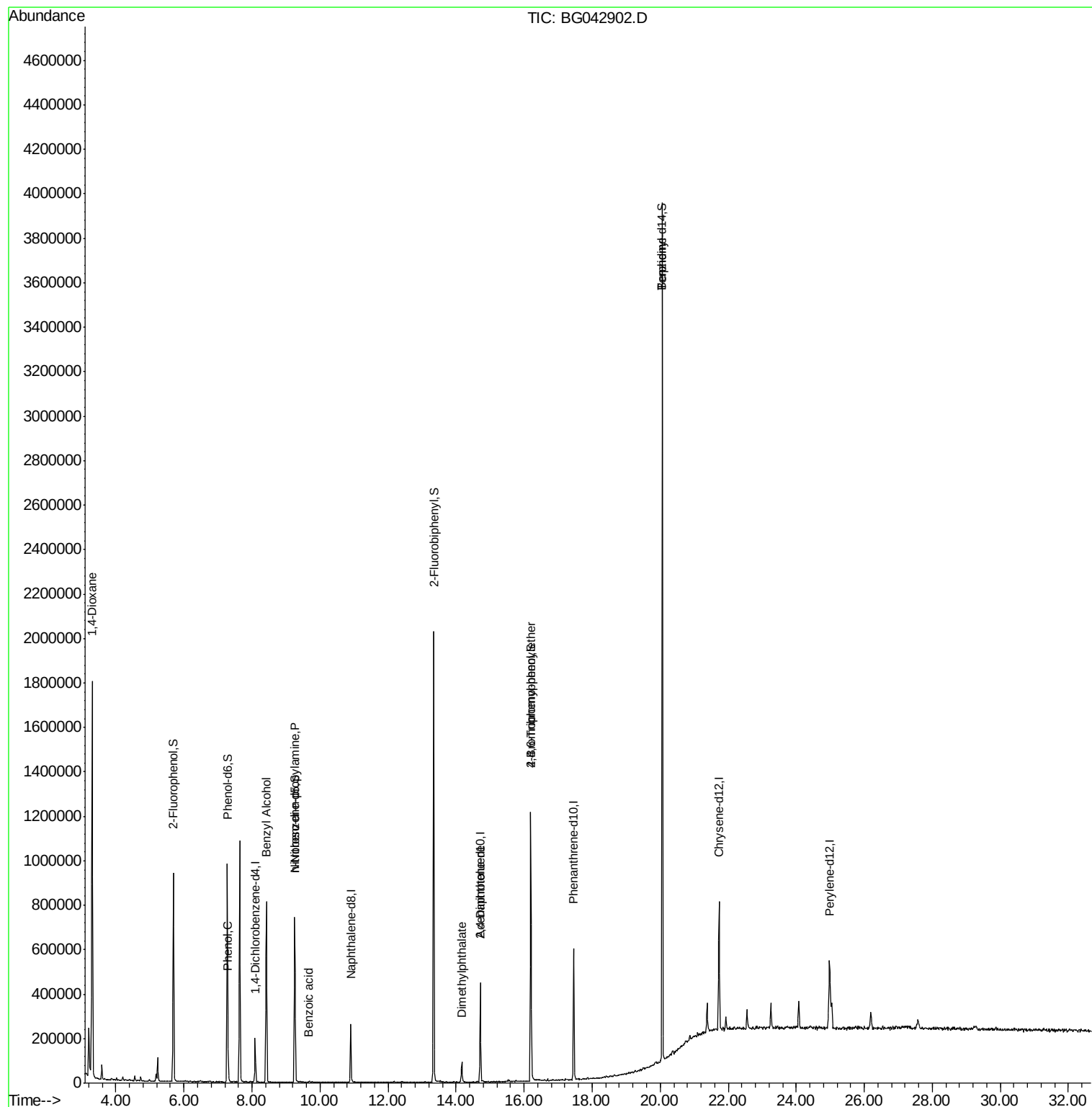
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	13349	9.376	ng	# 1
10) Phenol	7.30	94	16858	3.671	ng	# 77
15) Benzyl Alcohol	8.42	79	7838	2.040	ng	# 52
19) n-Nitroso-di-n-propylamine	9.26	70	63498	19.245	ng	# 76
32) Benzoic acid	9.67	122	54	5.984	ng	# 1
50) Dimethylphthalate	14.16	163	62457	5.157	ng	# 95
57) 2,4-Dinitrotoluene	14.71	165	20951	6.324	ng	# 24
67) 4-Bromophenyl-phenylether	16.20	248	15701	3.497	ng	# 1
77) Benzidine	20.06	184	35382	3.564	ng	# 94

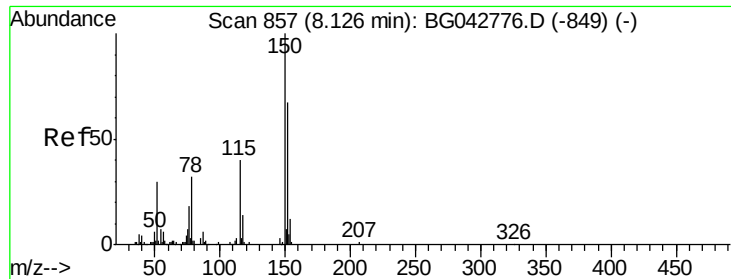
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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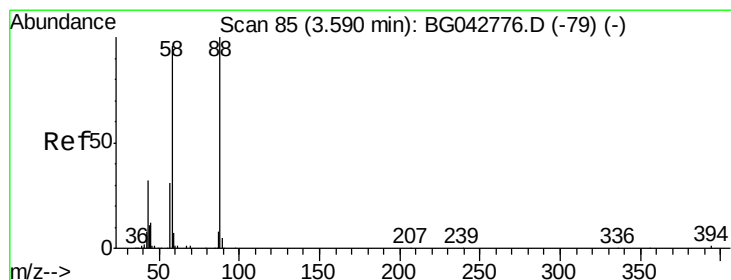
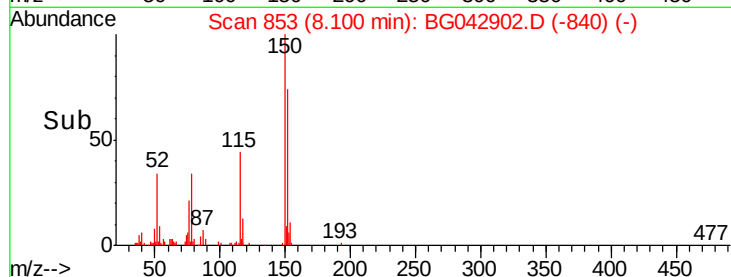
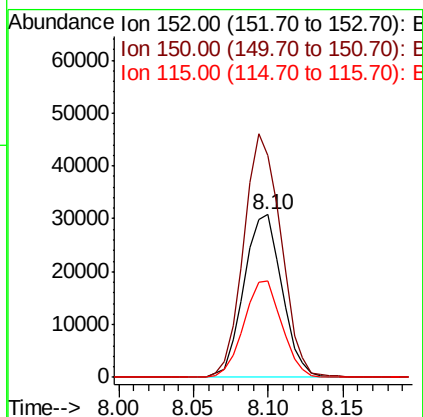
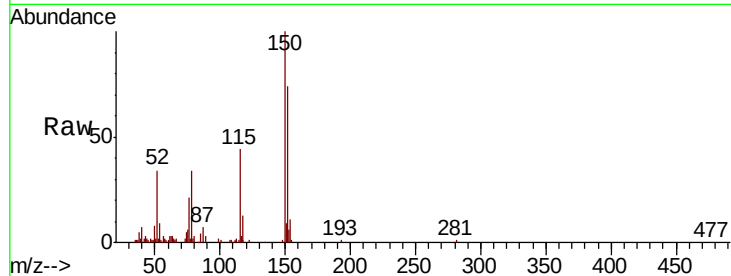


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 853
 Delta R.T. -0.03 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

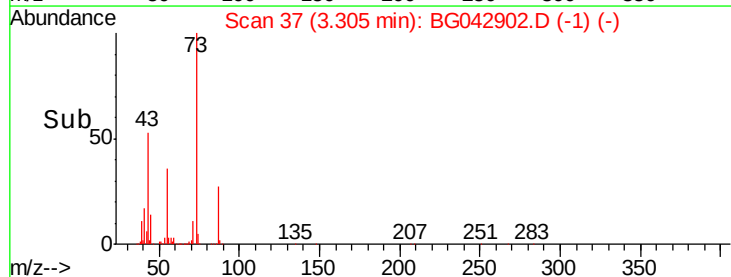
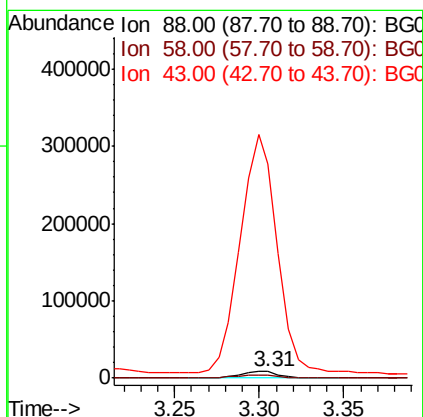
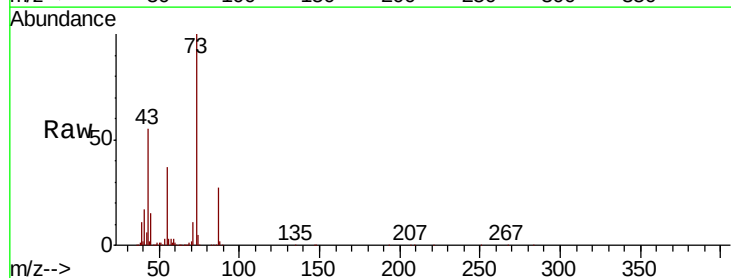
Tot Ion	Ratio	Lower	Upper
152	100		
150	136.0	118.9	178.3
115	59.2	47.4	71.2

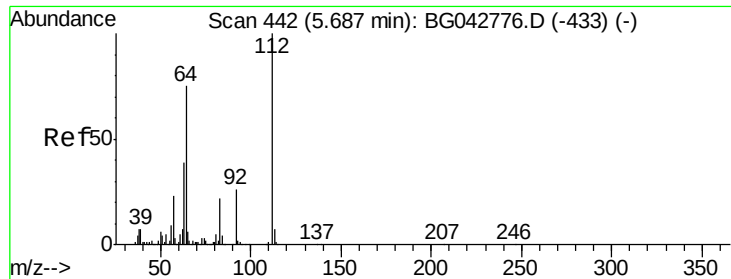


#2

1,4-Dioxane
 Concen: 9.376 ng
 RT: 3.31 min Scan# 37
 Delta R.T. -0.28 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	53.0	79.1	118.7#
43	3576.3	30.4	45.6#





#5

2-Fluorophenol

Concen: 115.156 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.00 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Instrument :

BNA_G

ClientSampleId :

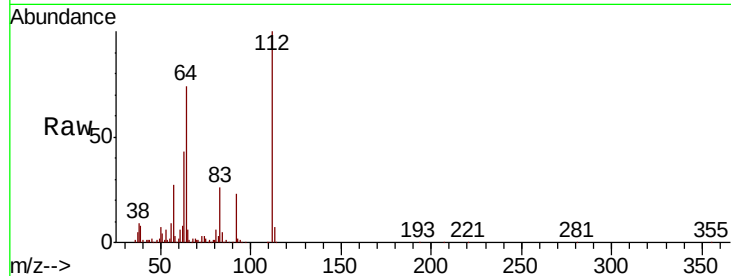
Tot Ion:112 Resp: 359234

Ion Ratio Lower Upper

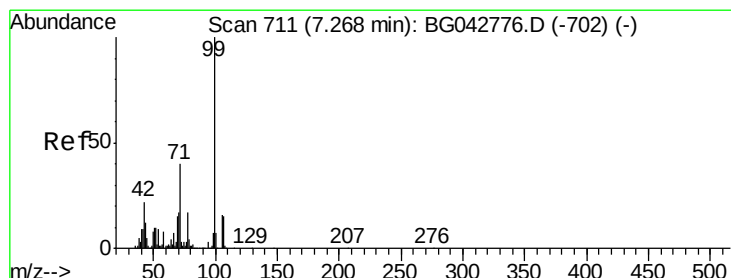
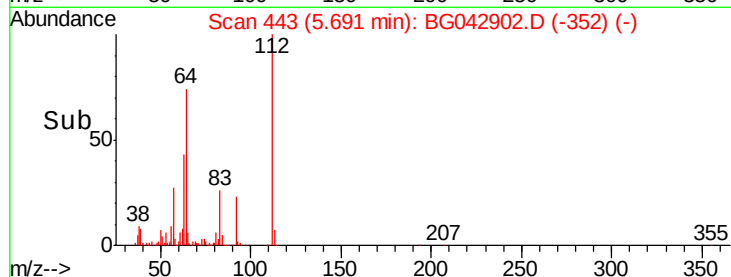
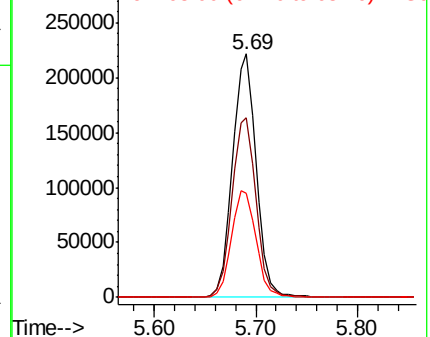
112 100

64 73.7 60.2 90.2

63 42.6 31.2 46.8



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: 109.806 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.01 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

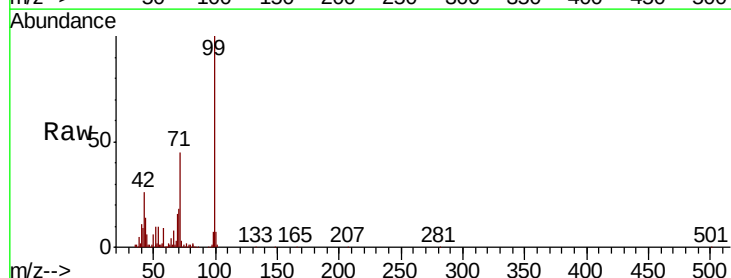
Tgt Ion: 99 Resp: 491668

Ion Ratio Lower Upper

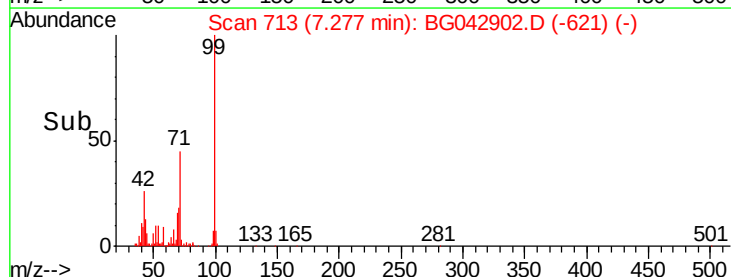
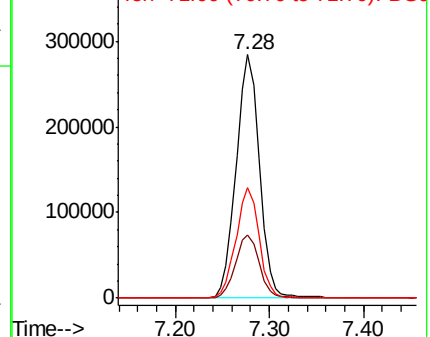
99 100

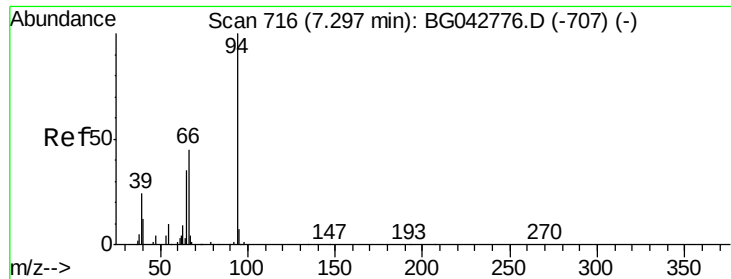
42 26.1 17.5 26.3

71 45.1 32.0 48.0



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: 3.671 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Instrument :

BNA_G

ClientSampled :

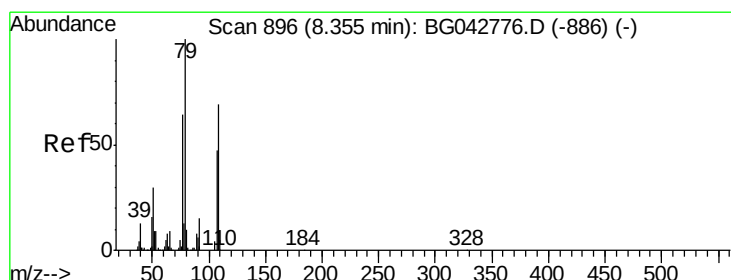
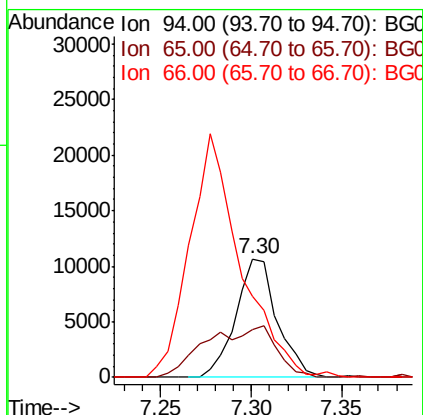
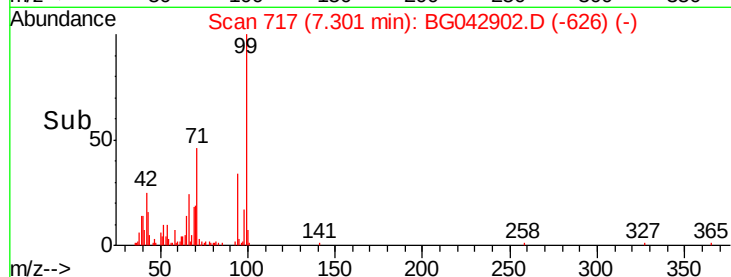
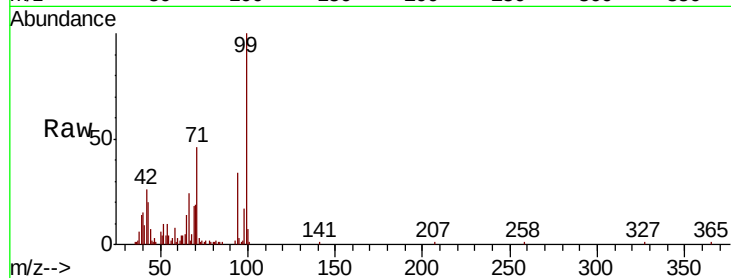
Tot Ion: 94 Resp: 16858

Ion Ratio Lower Upper

94 100

65 40.1 15.0 55.0

66 68.5 26.1 66.1#



#15

Benzyl Alcohol

Concen: 2.040 ng

RT: 8.42 min Scan# 907

Delta R.T. 0.06 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

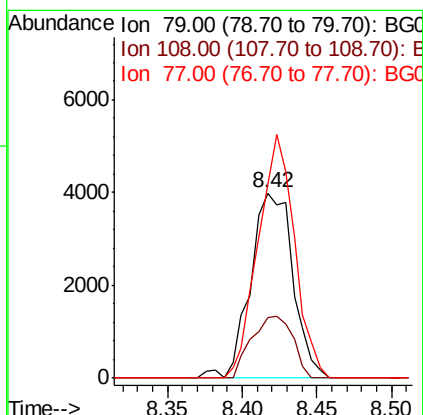
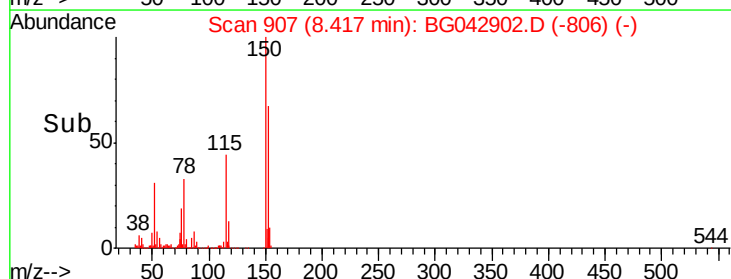
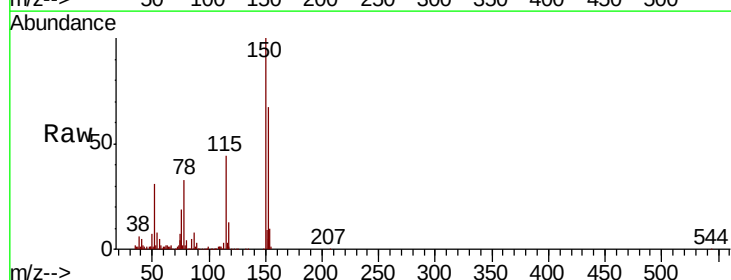
Tgt Ion: 79 Resp: 7838

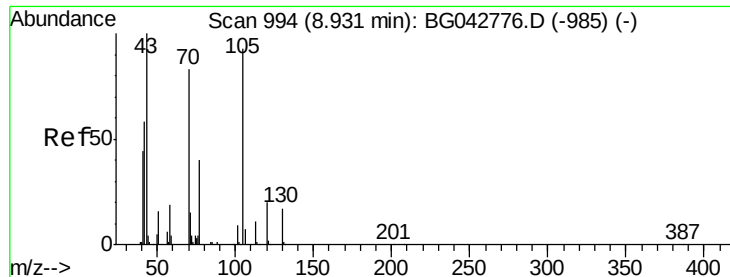
Ion Ratio Lower Upper

79 100

108 32.7 54.9 82.3#

77 104.9 51.0 76.6#





#19

n-Nitroso-di-n-propylamine

Concen: 19.245 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.33 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 63498

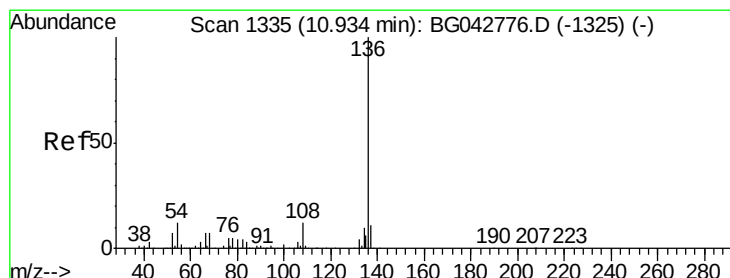
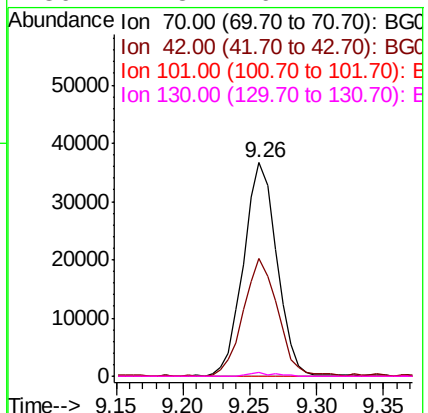
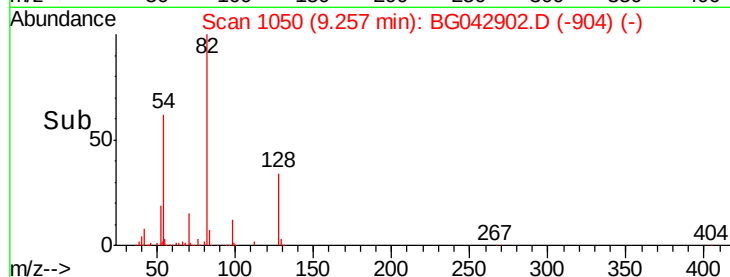
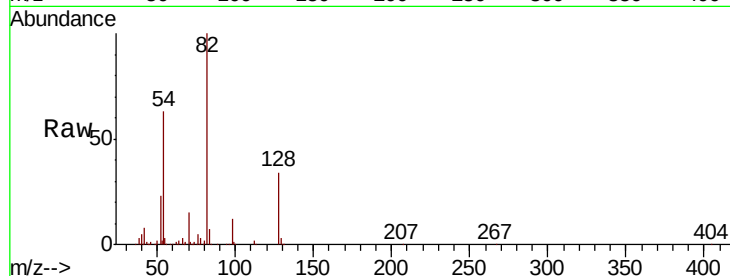
Ion Ratio Lower Upper

70 100

42 55.3 57.0 85.6#

101 0.0 8.4 12.6#

130 1.8 16.1 24.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Tgt Ion: 136 Resp: 210481

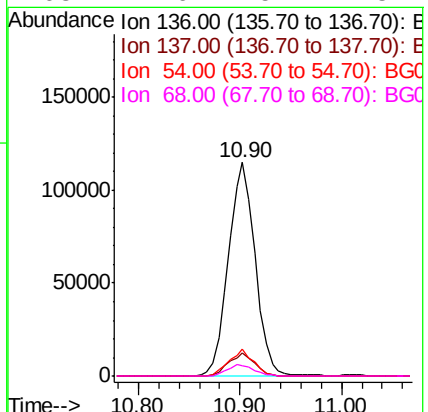
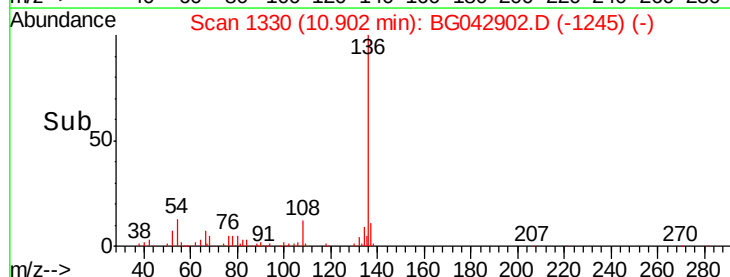
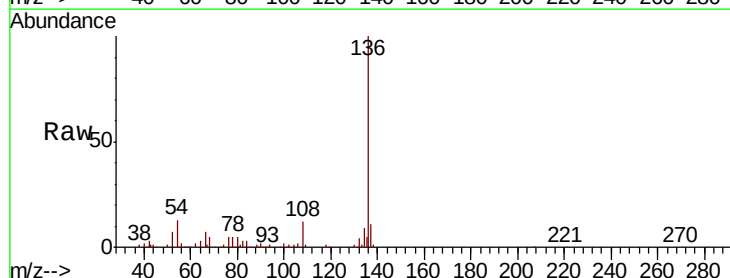
Ion Ratio Lower Upper

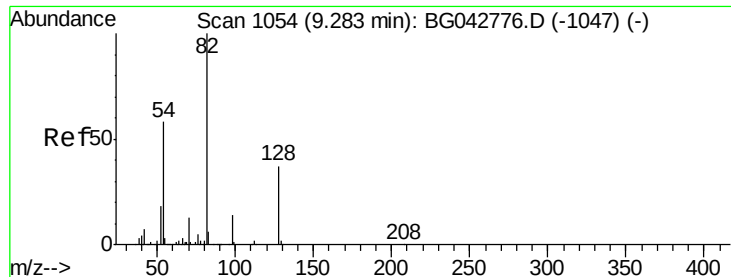
136 100

137 11.1 9.0 13.6

54 12.7 9.4 14.0

68 4.6 5.4 8.2#

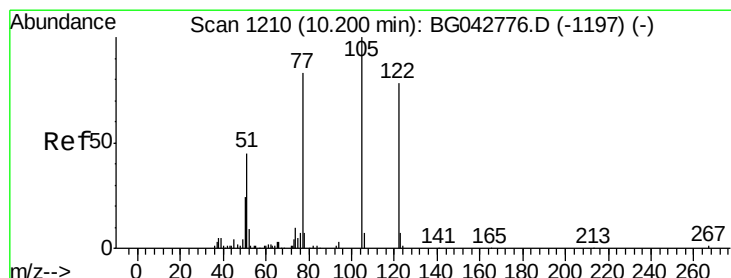
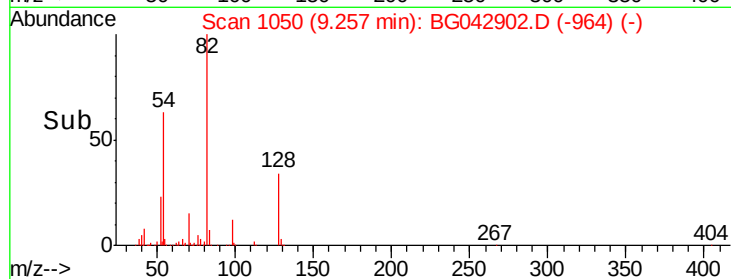
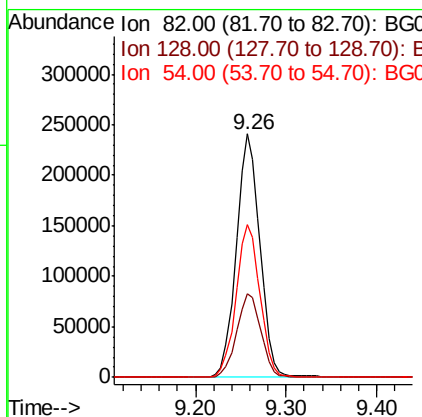
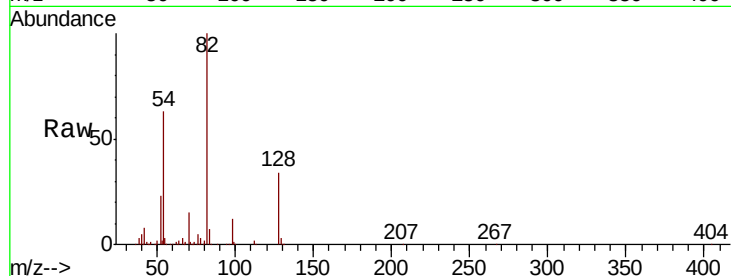




#23
 Nitrobenzene-d5
 Concen: 107.896 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.03 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

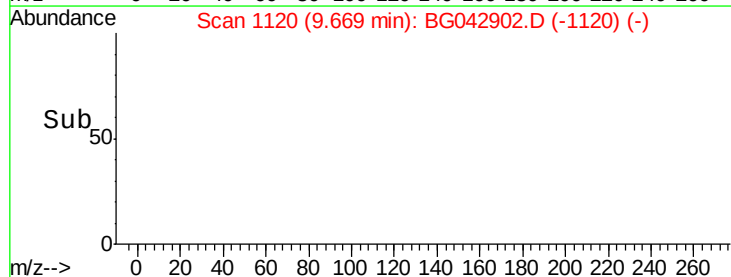
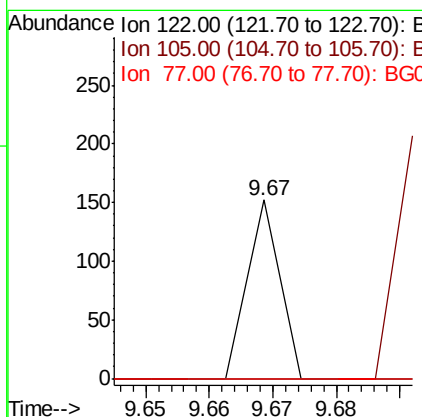
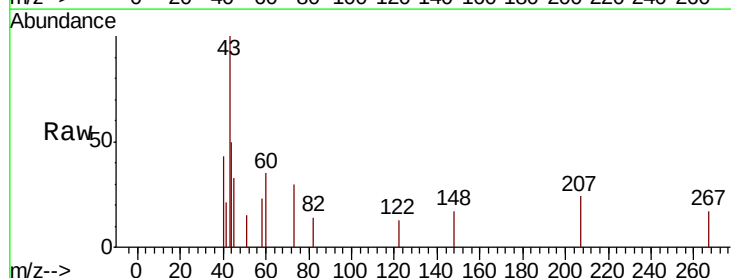
Instrument :
 BNA_G
 ClientSampleId :

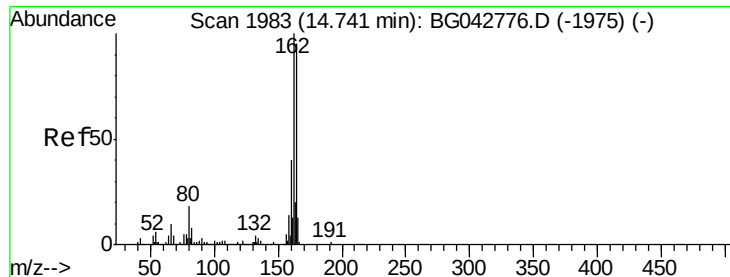
Tot Ion	82	Resp	436206
Ion Ratio	Lower	Upper	
82	100		
128	34.4	29.8	44.8
54	62.8	46.1	69.1



#32
 Benzoic acid
 Concen: 5.984 ng
 RT: 9.67 min Scan# 1120
 Delta R.T. -0.53 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Tgt Ion	122	Resp	54
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.03 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Instrument :

BNA_G

ClientSampled :

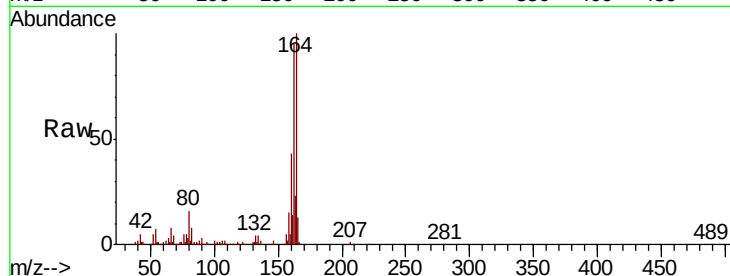
Tot Ion:164 Resp: 161685

Ion Ratio Lower Upper

164 100

162 94.8 84.6 126.8

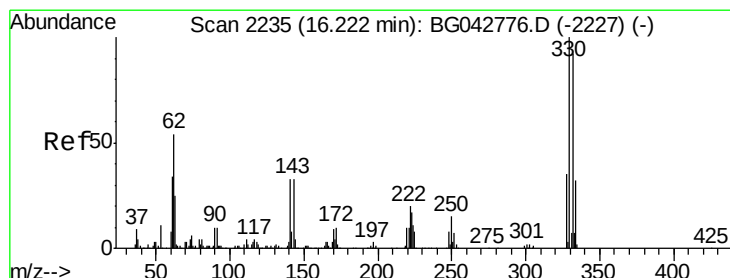
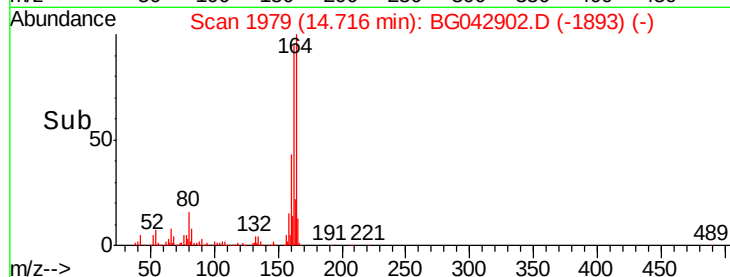
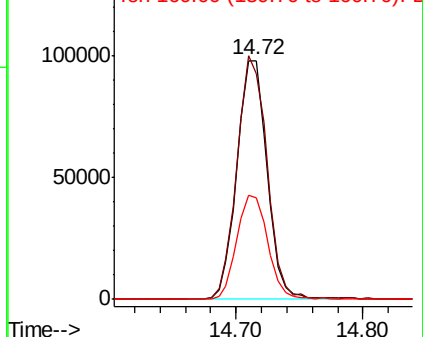
160 42.6 34.2 51.2



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: 108.027 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

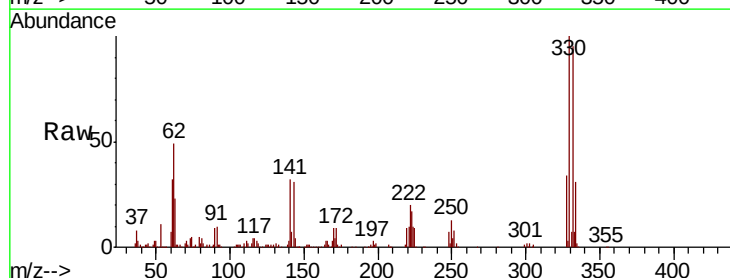
Tgt Ion:330 Resp: 232377

Ion Ratio Lower Upper

330 100

332 97.6 76.7 115.1

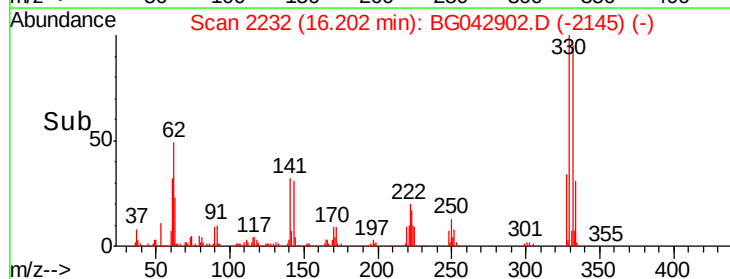
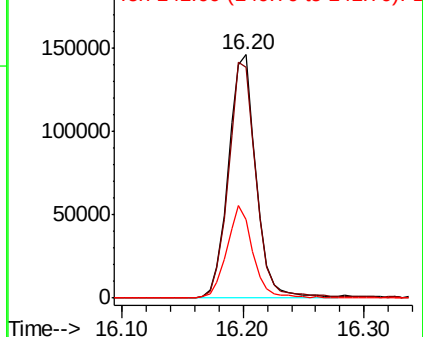
141 35.9 27.0 40.6

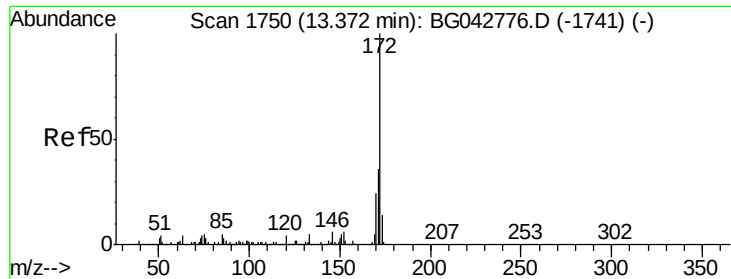


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

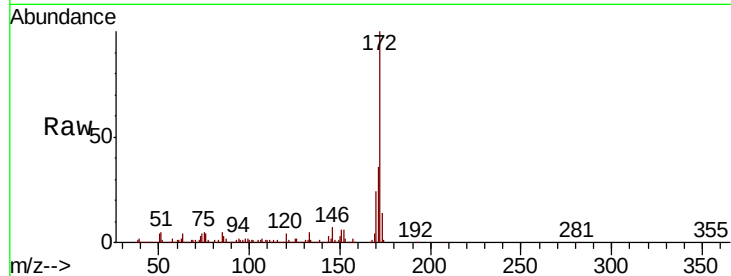




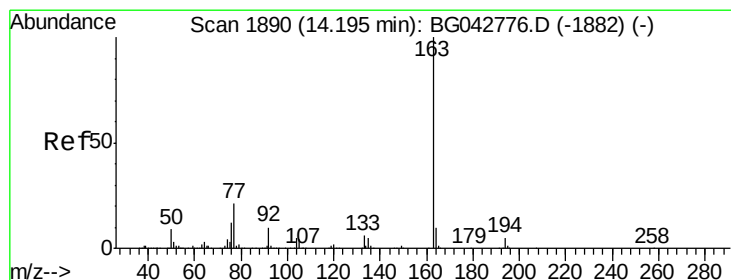
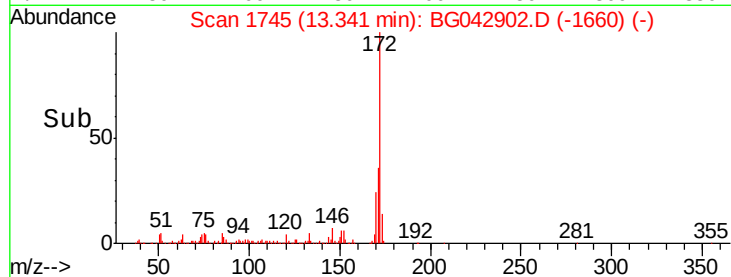
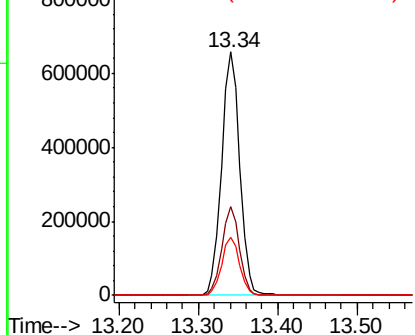
#45
2-Fluorobiphenyl
Concen: 102.260 ng
RT: 13.34 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BG042902.D
Acq: 18 Sep 2019 20:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1044513
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 24.0 19.1 28.7

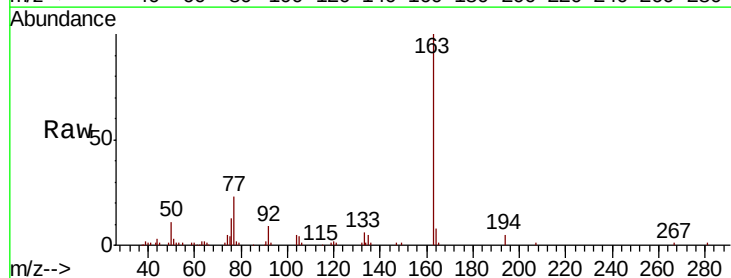


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

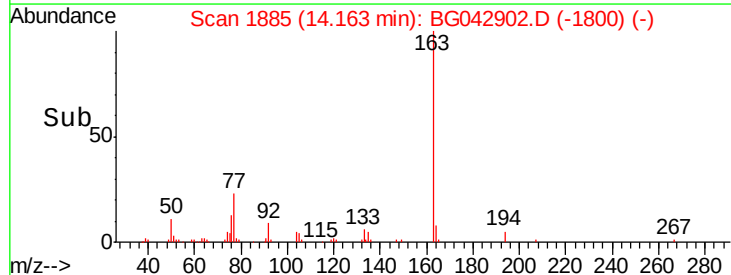
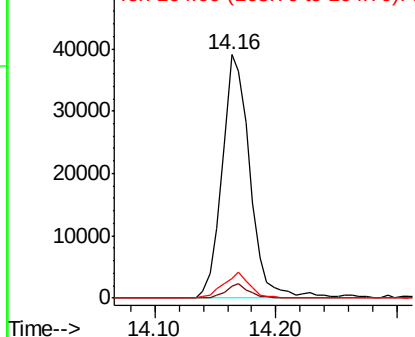


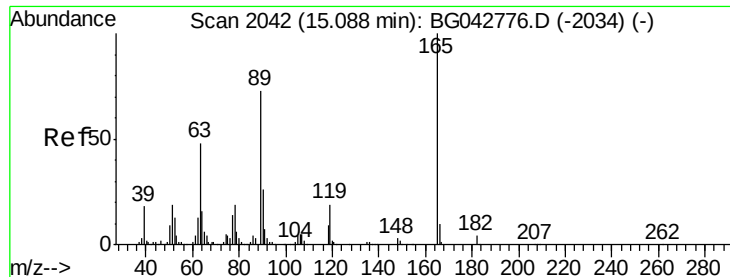
#50
Dimethylphthalate
Concen: 5.157 ng
RT: 14.16 min Scan# 1885
Delta R.T. -0.03 min
Lab File: BG042902.D
Acq: 18 Sep 2019 20:06

Tgt Ion:163 Resp: 62457
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.4
164 7.9 8.4 12.6#



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

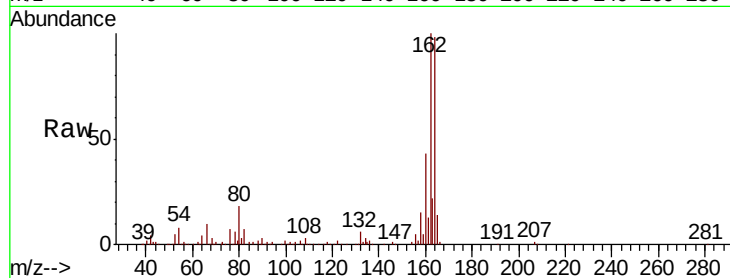




#57
 2,4-Dinitrotoluene
 Concen: 6.324 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.38 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	38.3	57.5#
89	2.1	58.4	87.6#
182	0.0	2.9	4.3#



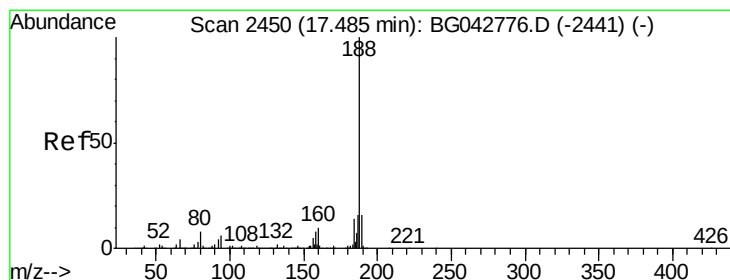
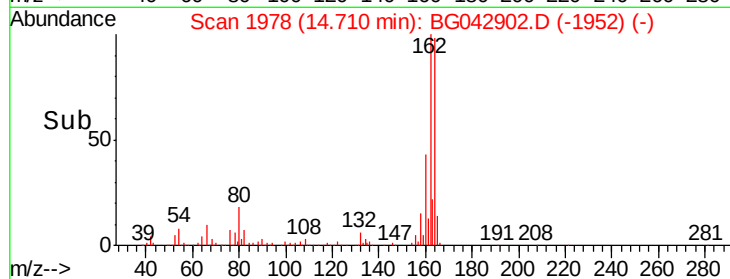
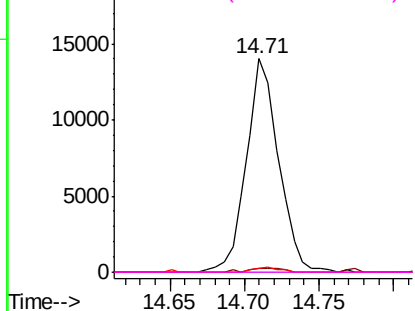
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

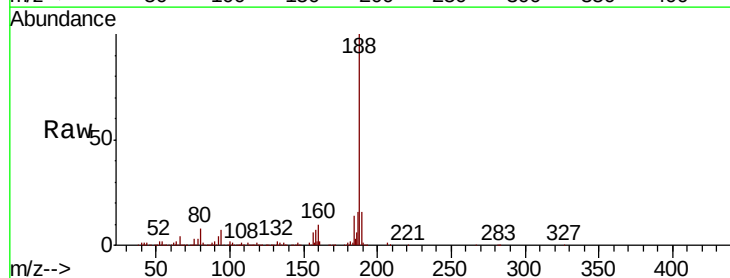
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.03 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.8	7.2
80	7.6	6.6	9.8

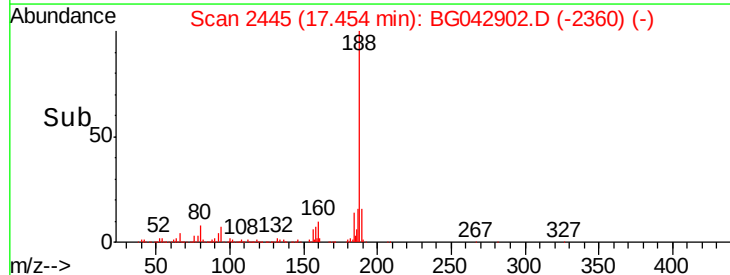
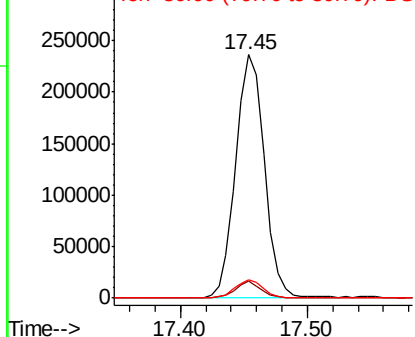


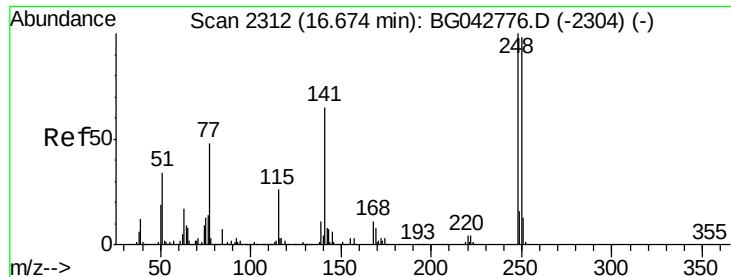
Abundance

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

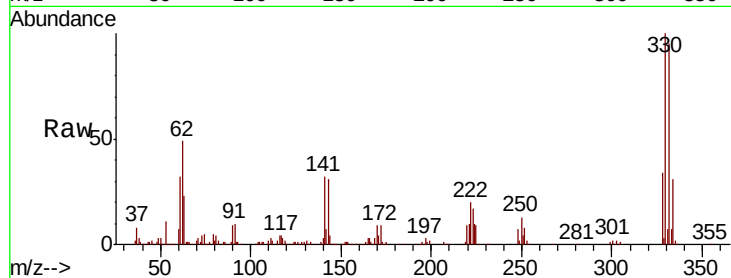




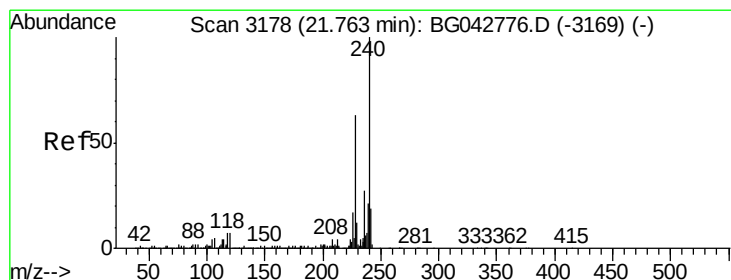
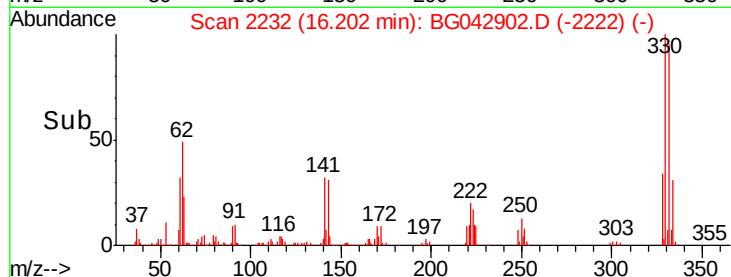
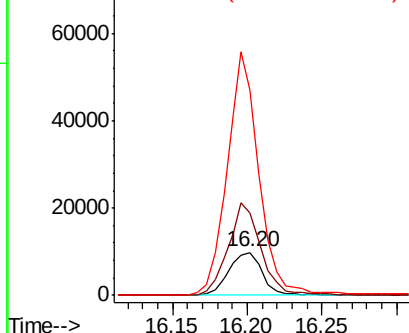
#67
 4-Bromophenyl-phenylether
 Concen: 3.497 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.47 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15701
 Ion Ratio Lower Upper
 248 100
 250 191.6 78.0 117.0#
 141 476.2 51.8 77.6#

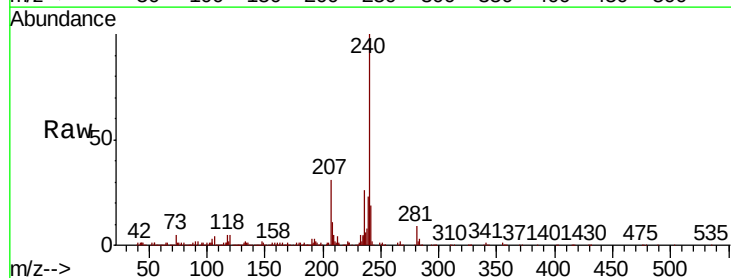


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

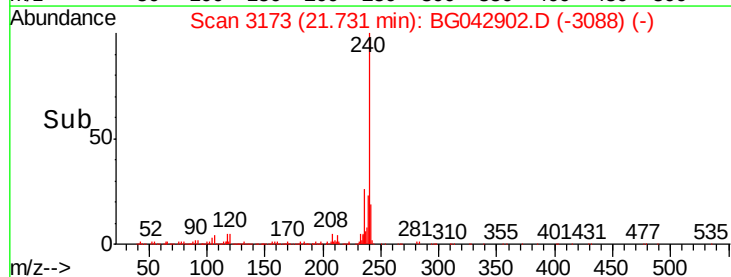
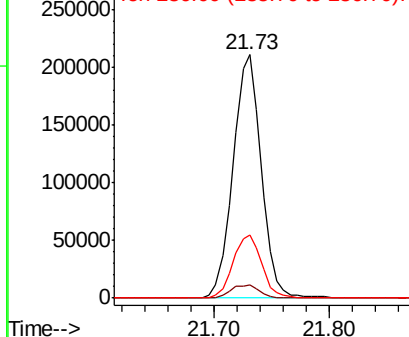


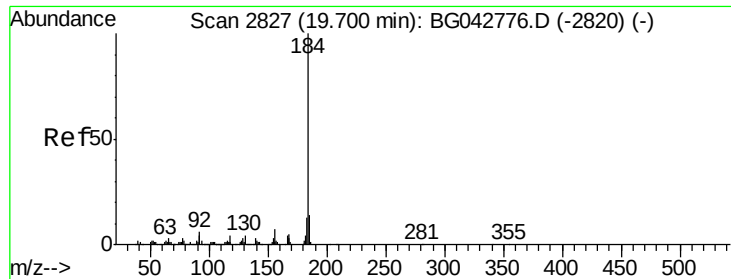
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.03 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Tgt Ion:240 Resp: 355366
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.4 8.2#
 236 26.2 21.7 32.5



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: 3.564 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.36 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

Instrument :

BNA_G

ClientSampleId :

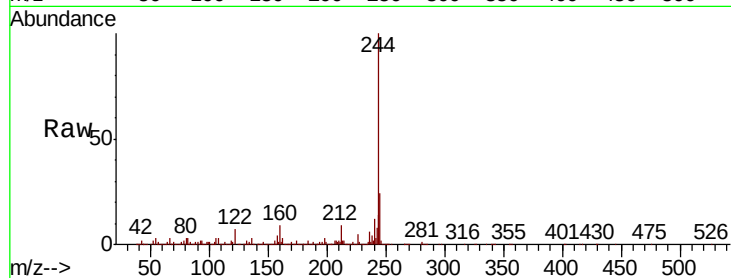
Tot Ion:184 Resp: 35382

Ion Ratio Lower Upper

184 100

185 14.4 11.6 17.4

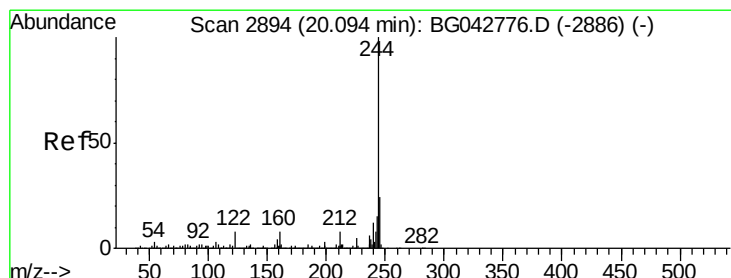
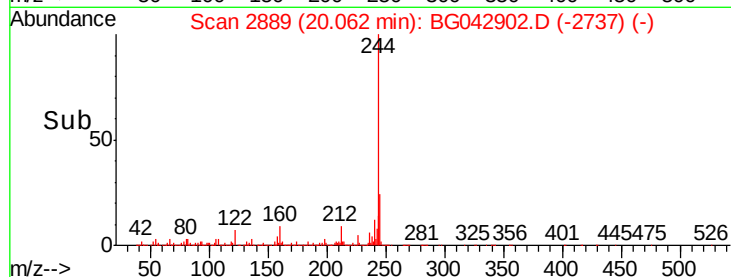
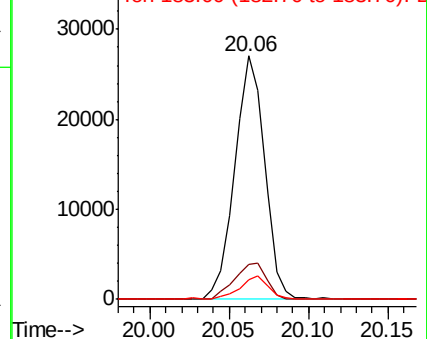
183 7.9 10.4 15.6#



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: 110.119 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BG042902.D

Acq: 18 Sep 2019 20:06

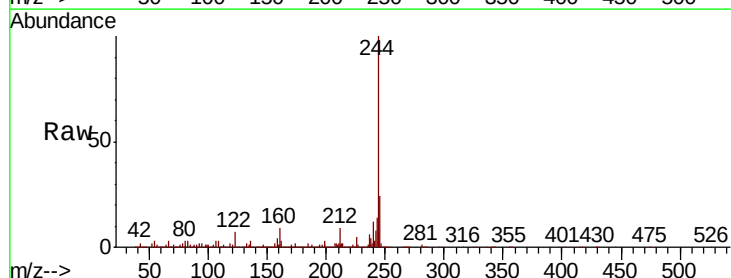
Tgt Ion:244 Resp: 1765681

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

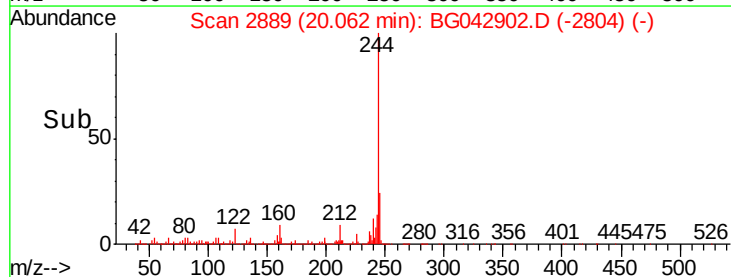
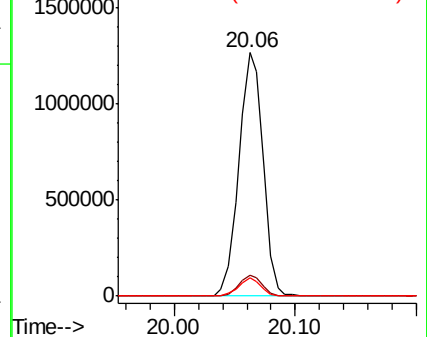
122 7.5 6.2 9.4

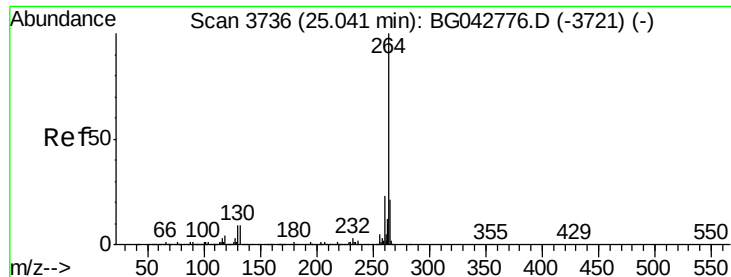


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.98 min Scan# 3726
 Delta R.T. -0.06 min
 Lab File: BG042902.D
 Acq: 18 Sep 2019 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	22.9	16.9	25.3

