

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042895.D
 Acq On : 18 Sep 2019 15:39
 Operator : HP/JU
 Sample : K4877-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:12:53 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	57296	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	224431	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	167447	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	381216	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	362895	20.00	ng	-0.03
87) Perylene-d12	24.98	264	386792	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	412587	125.19	ng	0.00
7) Phenol-d6	7.28	99	571279	120.77	ng	0.02
23) Nitrobenzene-d5	9.26	82	466047	108.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	338972	152.16	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1121321	106.00	ng	-0.03
79) Terphenyl-d14	20.07	244	1841336	112.45	ng	-0.03

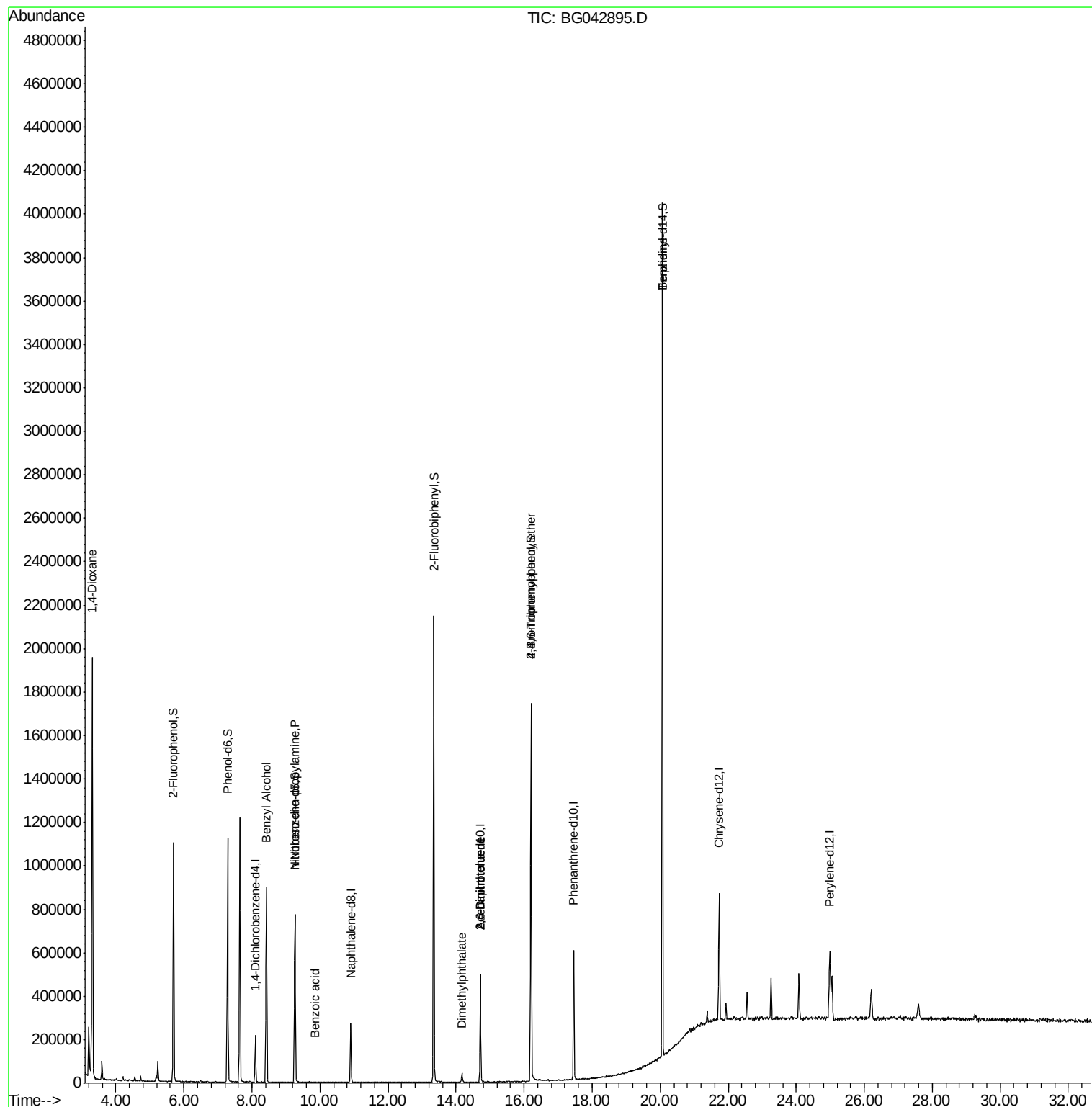
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	14878	9.892	ng	# 1
15) Benzyl Alcohol	8.42	79	8222	2.025	ng	# 43
19) n-Nitroso-di-n-propylamine	9.26	70	68658	19.698	ng	# 67
32) Benzoic acid	9.86	122	61	5.985	ng	# 1
50) Dimethylphthalate	14.17	163	28400	2.264	ng	100
51) 2,6-Dinitrotoluene	14.72	165	23514	9.136	ng	# 19
57) 2,4-Dinitrotoluene	14.72	165	23514	6.854	ng	# 22
67) 4-Bromophenyl-phenylether	16.20	248	21762	4.716	ng	# 1
77) Benzidine	20.07	184	35181	3.470	ng	# 94

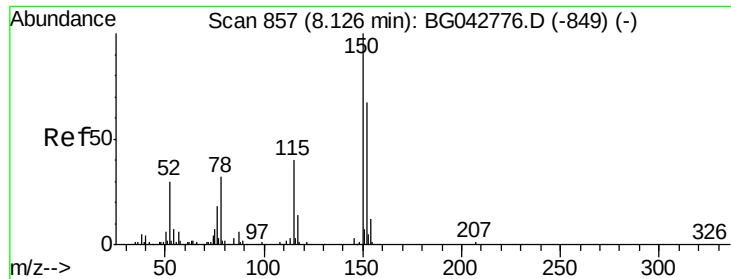
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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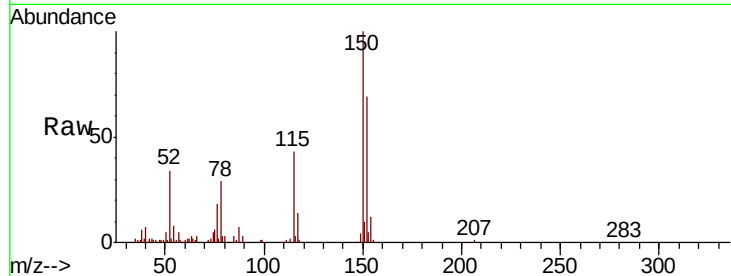


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.5	118.9	178.3
115	62.0	47.4	71.2

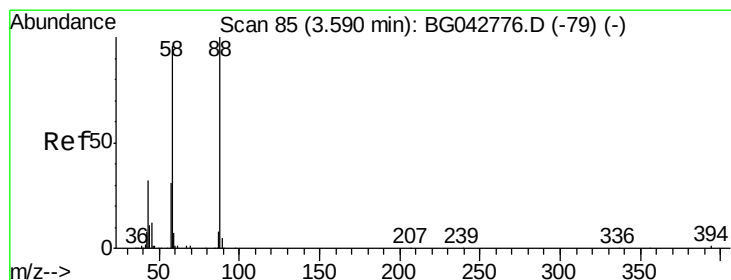
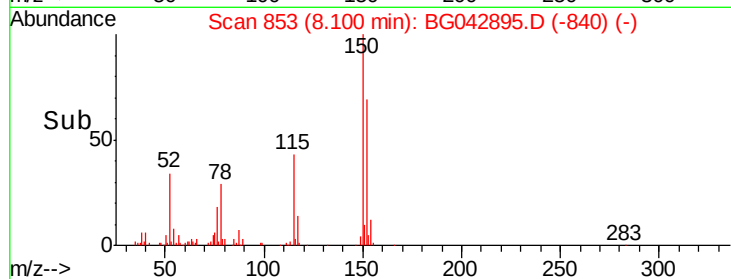
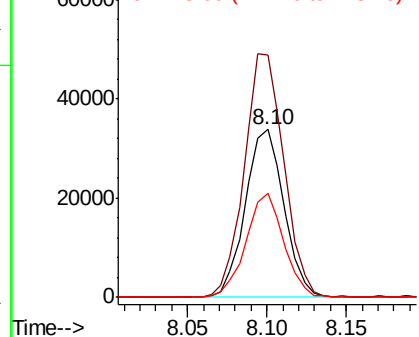


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

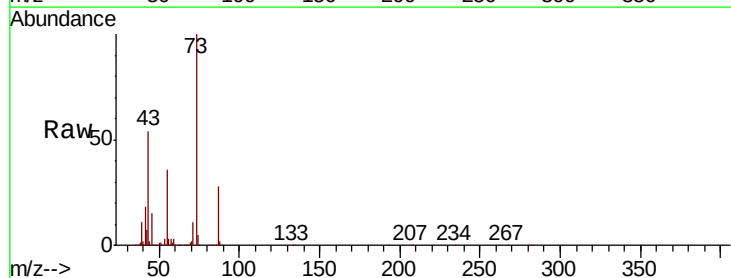
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 9.892 ng
RT: 3.30 min Scan# 36
Delta R.T. -0.29 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	53.8	79.1	118.7#
43	3598.2	30.4	45.6#

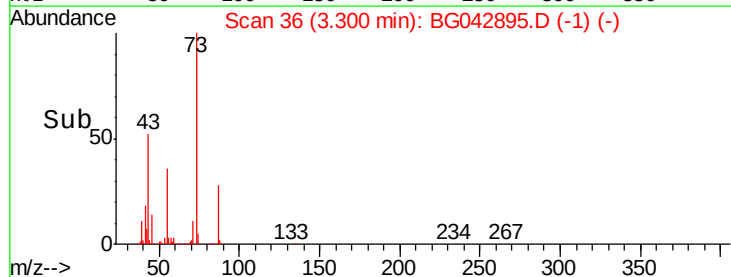
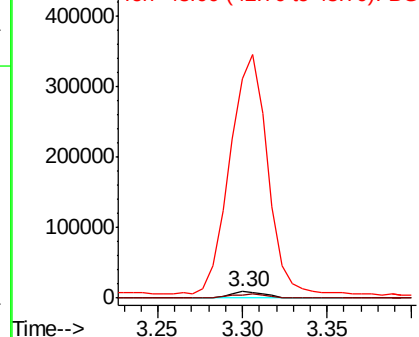


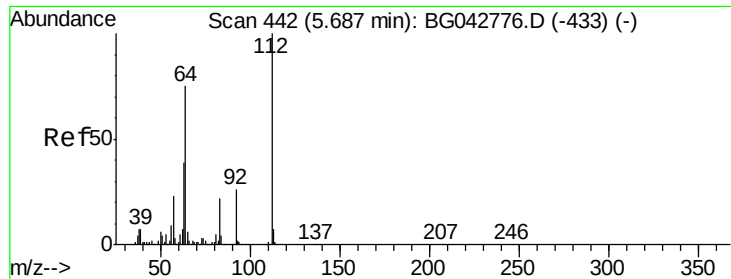
Abundance

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: 125.192 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.00 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

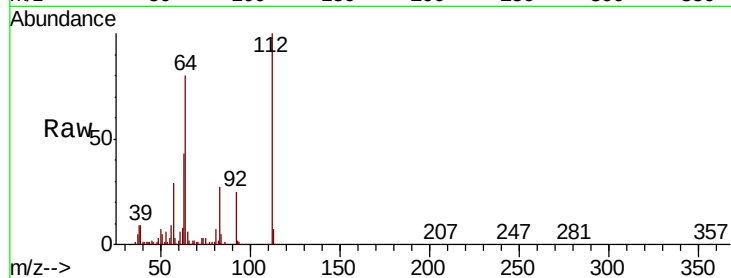
Tot Ion:112 Resp: 412587

Ion Ratio Lower Upper

112 100

64 79.6 60.2 90.2

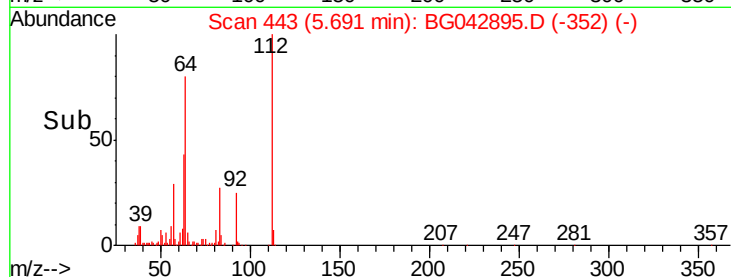
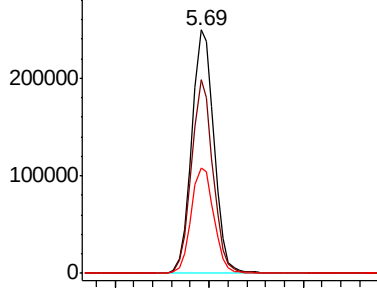
63 43.1 31.2 46.8



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: 120.769 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.02 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

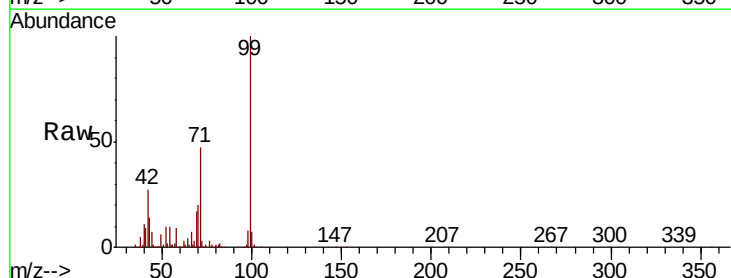
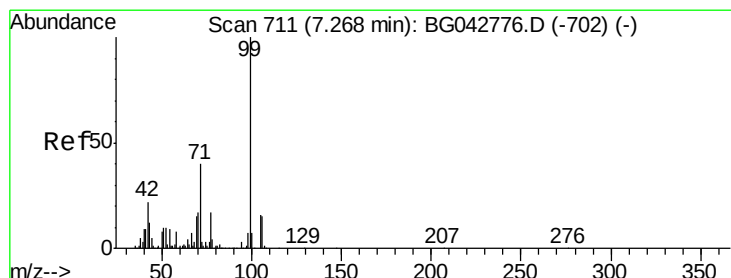
Tgt Ion: 99 Resp: 571279

Ion Ratio Lower Upper

99 100

42 27.2 17.5 26.3#

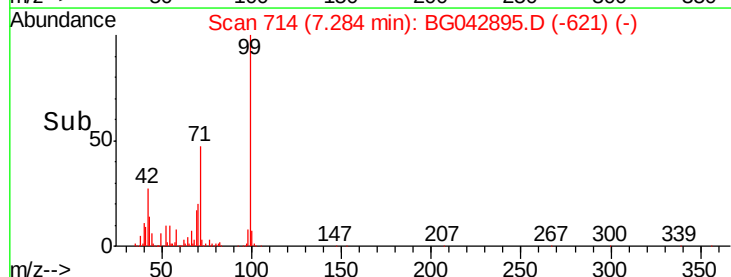
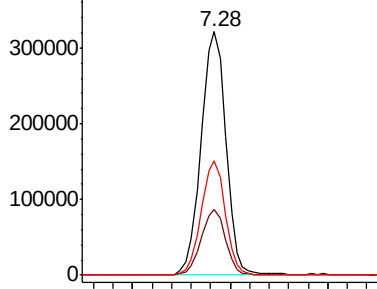
71 46.9 32.0 48.0

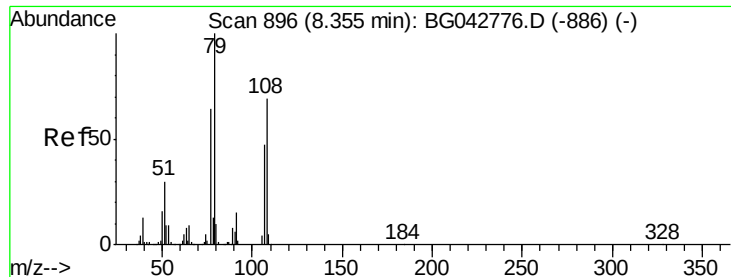


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.025 ng

RT: 8.42 min Scan# 908

Delta R.T. 0.07 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

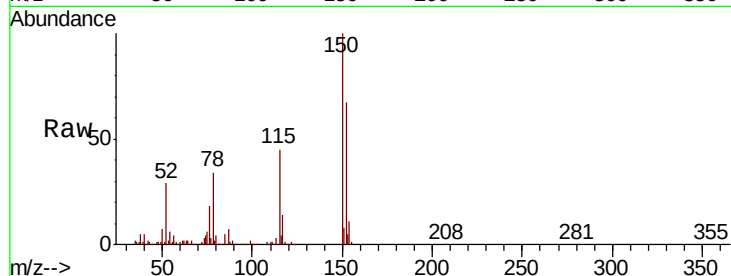
Tot Ion: 79 Resp: 8222

Ion Ratio Lower Upper

79 100

108 36.1 54.9 82.3#

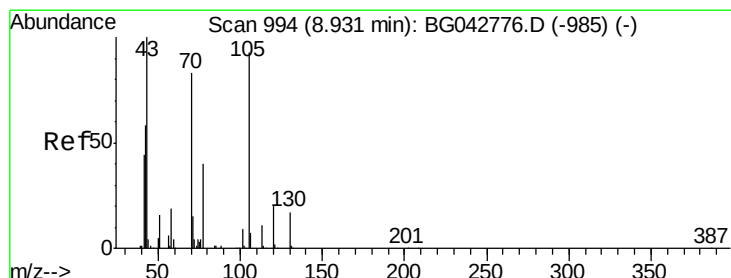
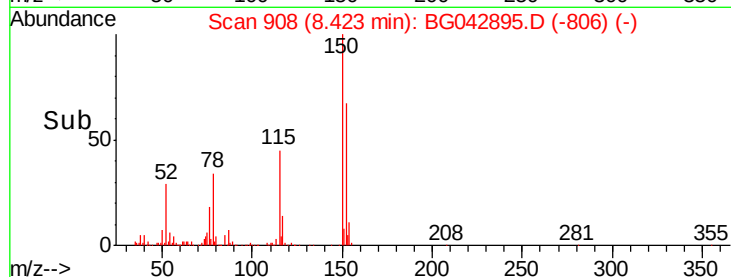
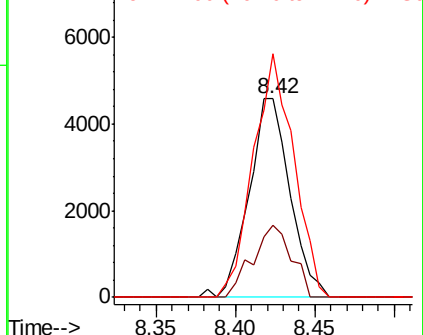
77 122.6 51.0 76.6#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.698 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.33 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

Tgt Ion: 70 Resp: 68658

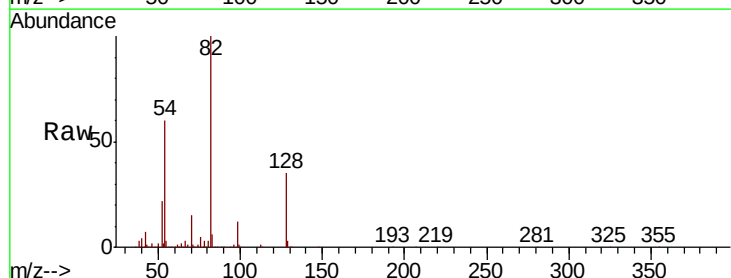
Ion Ratio Lower Upper

70 100

42 45.4 57.0 85.6#

101 0.0 8.4 12.6#

130 1.7 16.1 24.1#

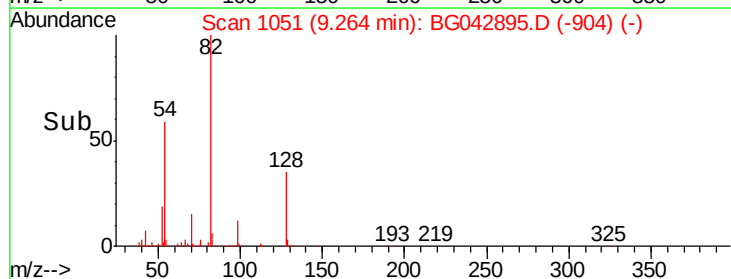
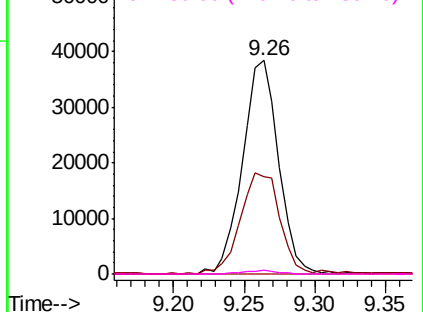


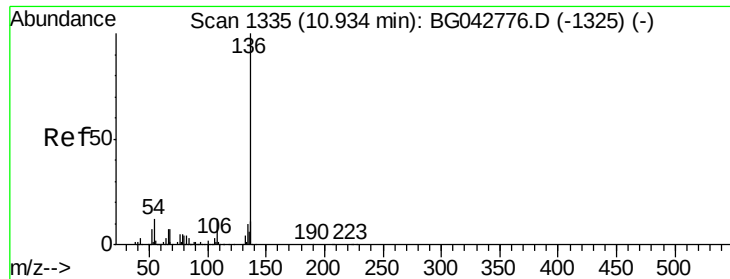
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

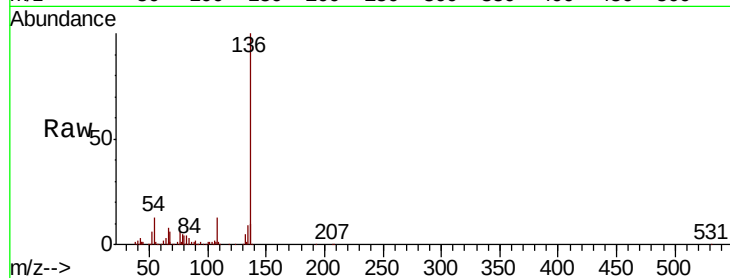




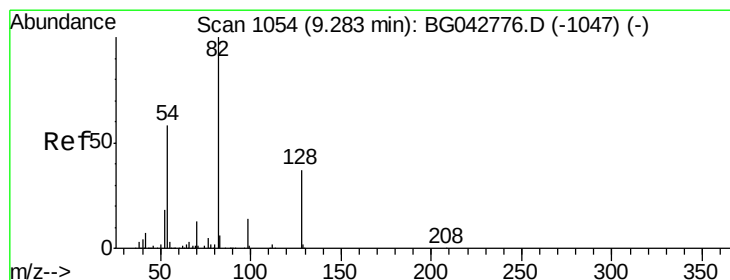
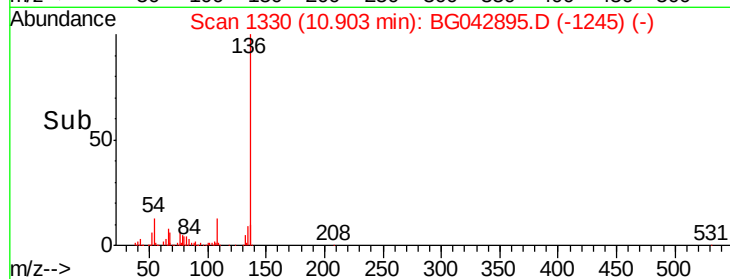
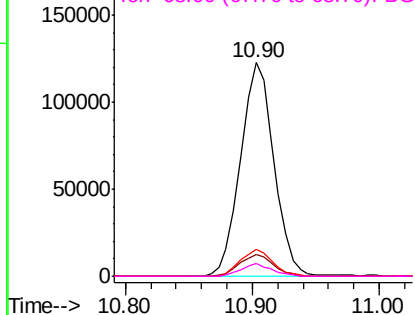
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	224431
Ion Ratio	Lower	Upper
136 100		
137 10.4	9.0	13.6
54 12.5	9.4	14.0
68 6.2	5.4	8.2

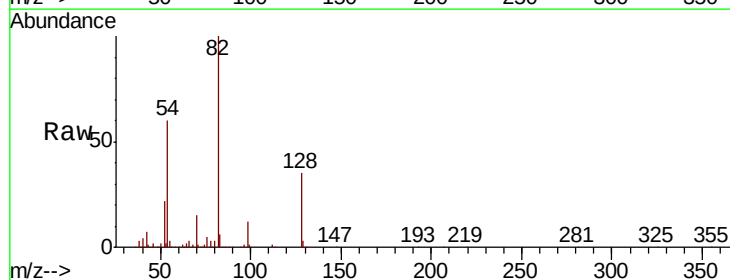


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

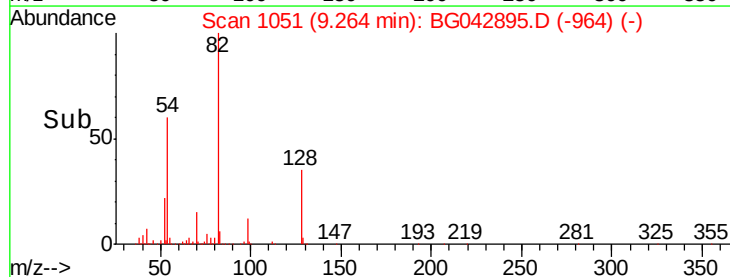
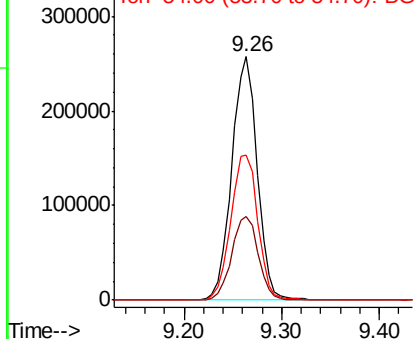


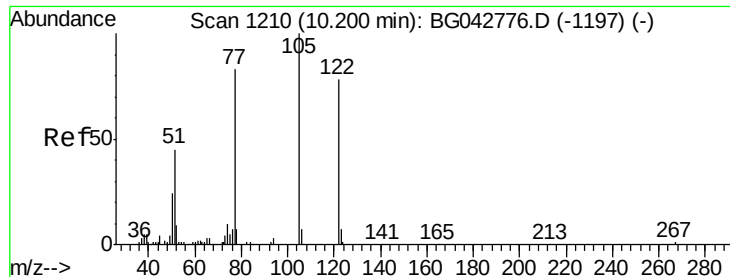
#23
Nitrobenzene-d5
Concen: 108.111 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

Tgt	Ion: 82	Resp:	466047
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.8	44.8
54	59.6	46.1	69.1



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

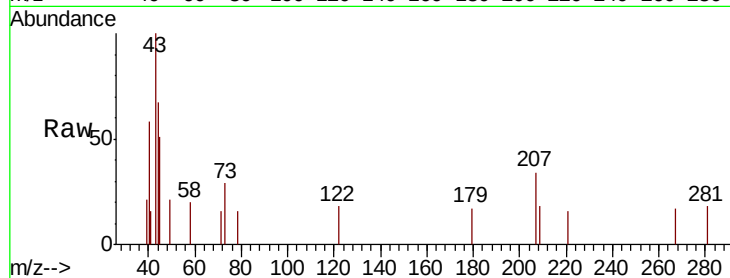




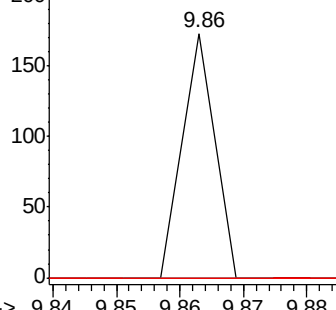
#32
Benzoic acid
Concen: 5.985 ng
RT: 9.86 min Scan# 1153
Delta R.T. -0.34 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

Instrument :
BNA_G
ClientSampled :

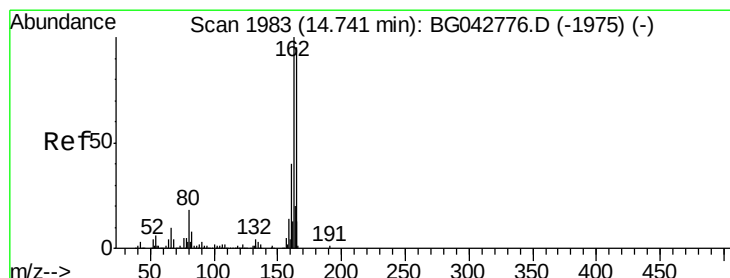
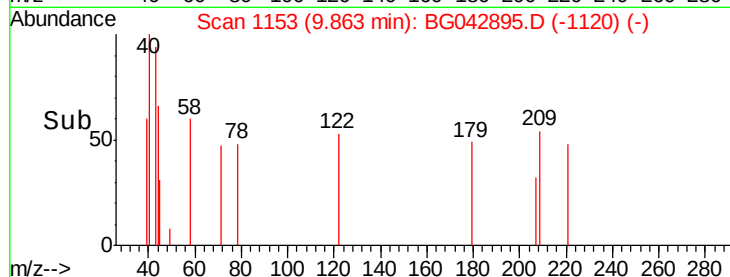
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#



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): BGC

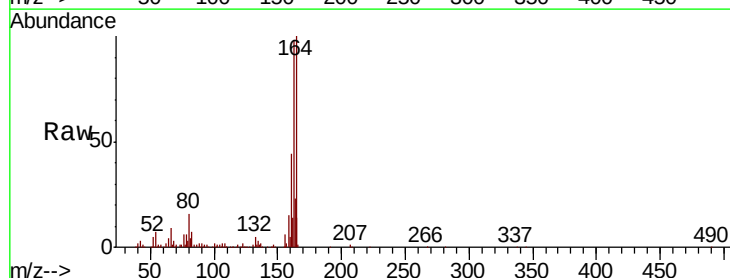


Time--> 9.84 9.85 9.86 9.87 9.88

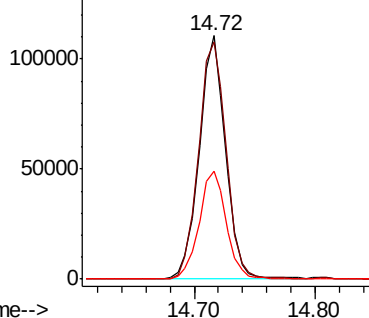


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.03 min
Lab File: BG042895.D
Acq: 18 Sep 2019 15:39

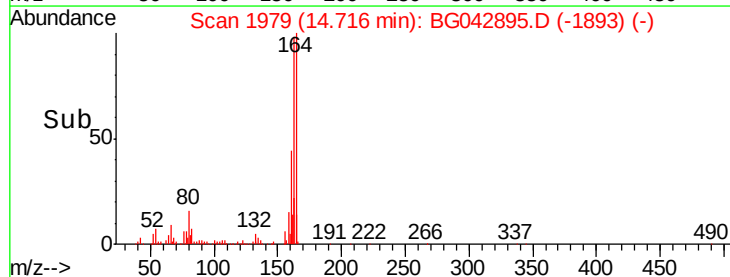
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.6	84.6	126.8
160	44.4	34.2	51.2

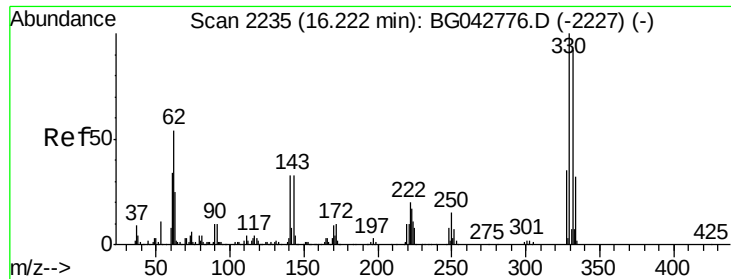


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

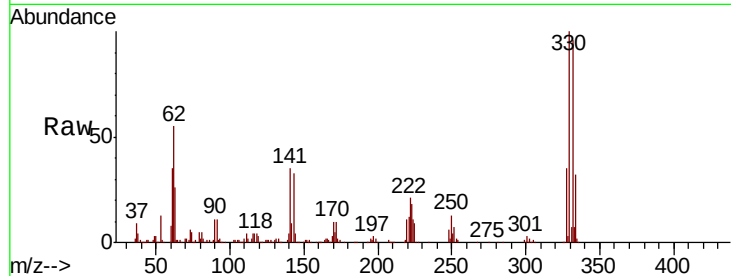




#42
 2,4,6-Tribromophenol
 Concen: 152.159 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.02 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.7	115.1
141	35.0	27.0	40.6

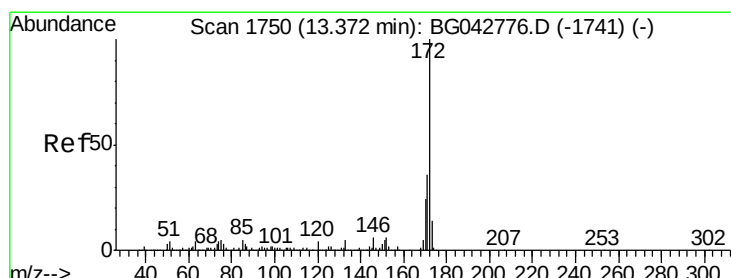
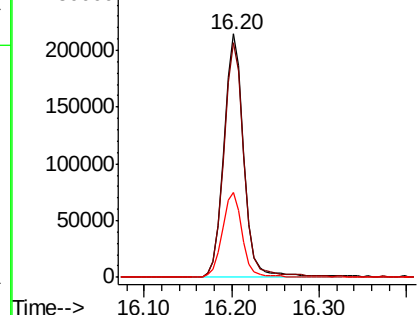
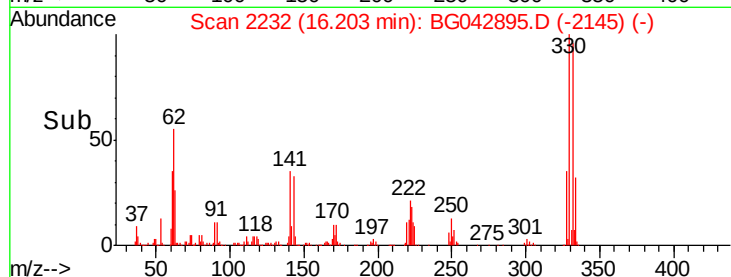


Abundance

Ion 329.80 (329.50 to 330.50): E

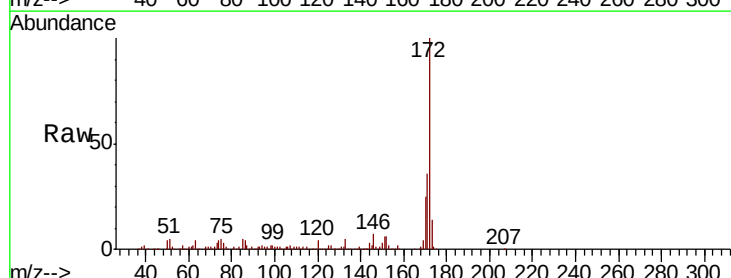
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 106.002 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.8	19.1	28.7

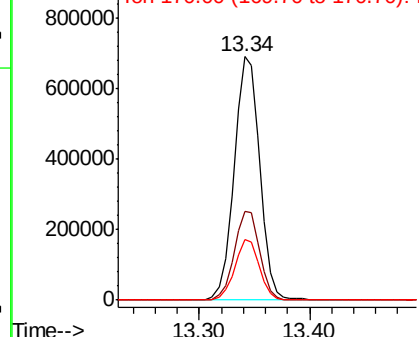
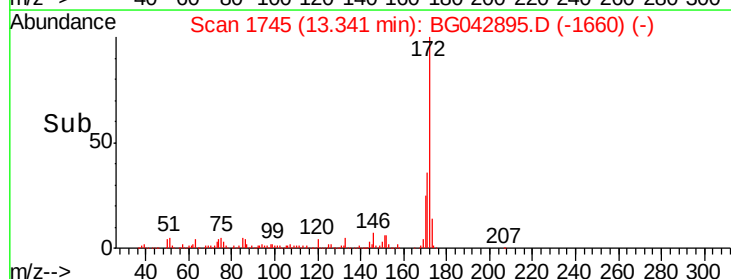


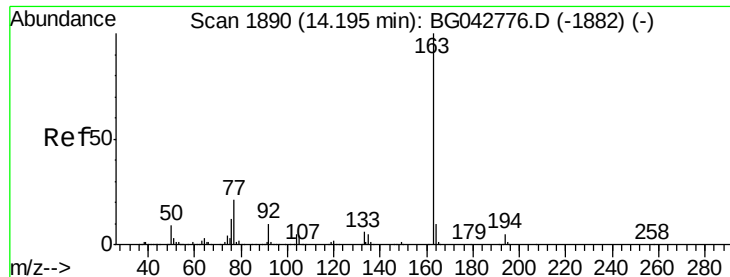
Abundance

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: 2.264 ng

RT: 14.17 min Scan# 1886

Delta R.T. -0.03 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

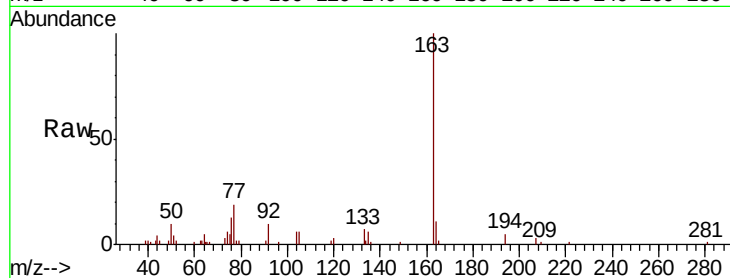
Tot Ion:163 Resp: 28400

Ion Ratio Lower Upper

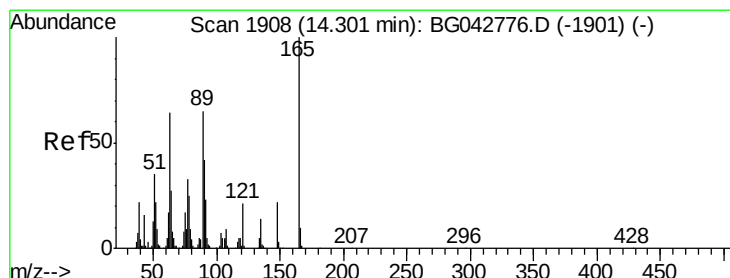
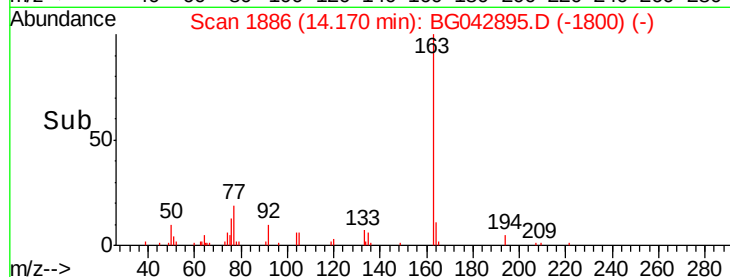
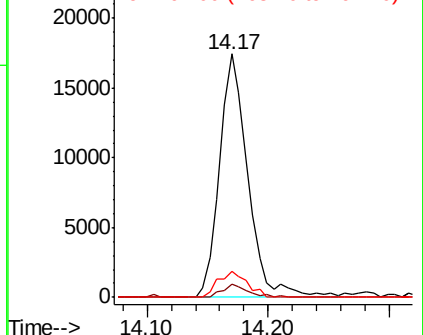
163 100

194 5.4 4.2 6.4

164 10.5 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



#51

2,6-Dinitrotoluene

Concen: 9.136 ng

RT: 14.72 min Scan# 1979

Delta R.T. 0.42 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

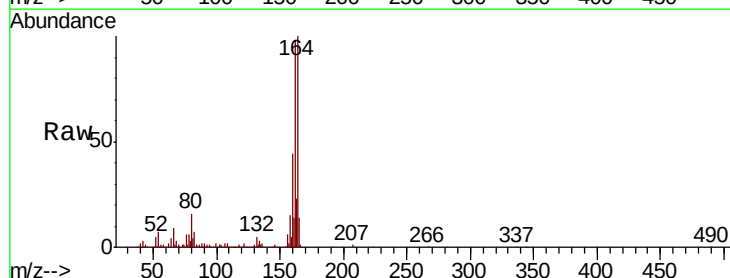
Tgt Ion:165 Resp: 23514

Ion Ratio Lower Upper

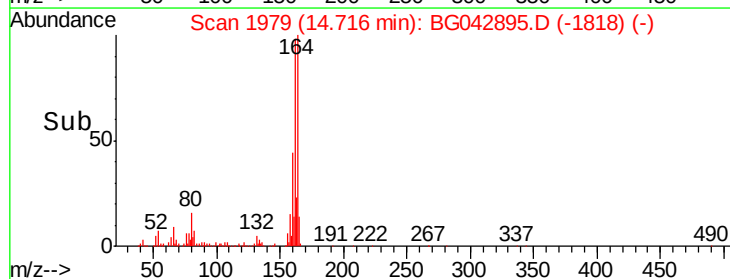
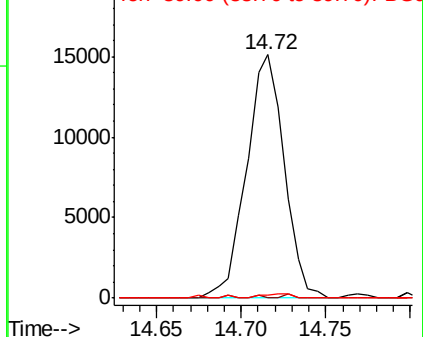
165 100

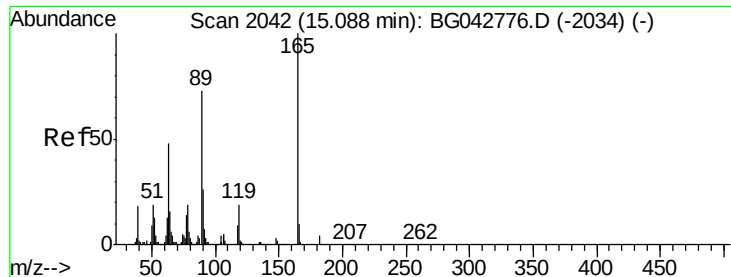
63 0.0 52.1 78.1#

89 1.3 51.7 77.5#



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

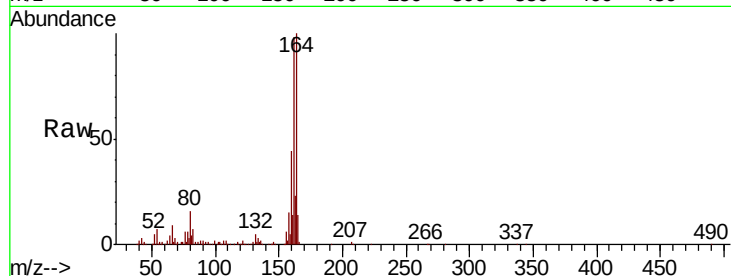




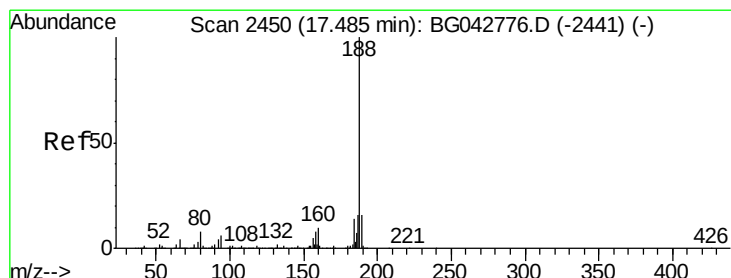
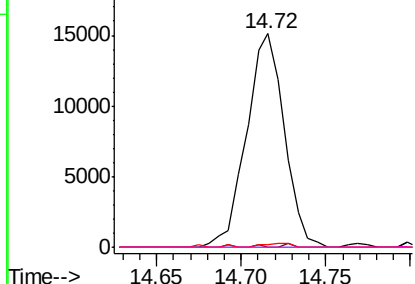
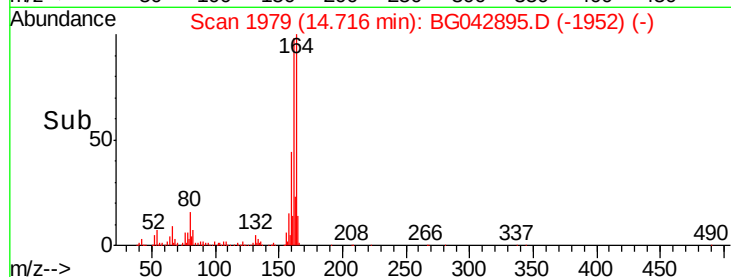
#57
 2,4-Dinitrotoluene
 Concen: 6.854 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.37 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 23514
 Ion Ratio Lower Upper
 165 100
 63 0.0 38.3 57.5#
 89 1.3 58.4 87.6#
 182 0.0 2.9 4.3#

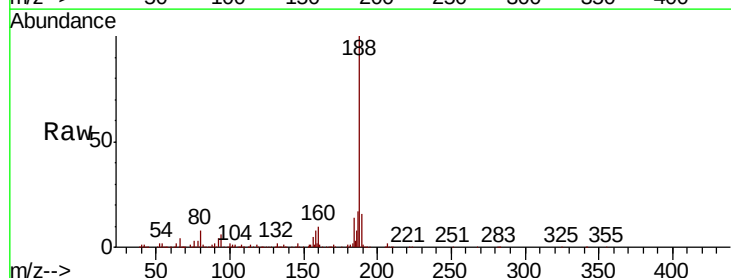


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

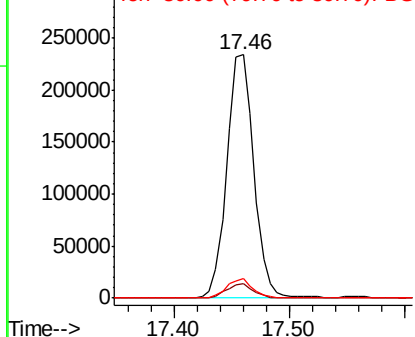
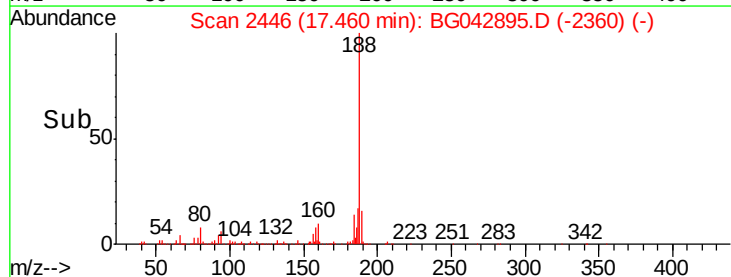


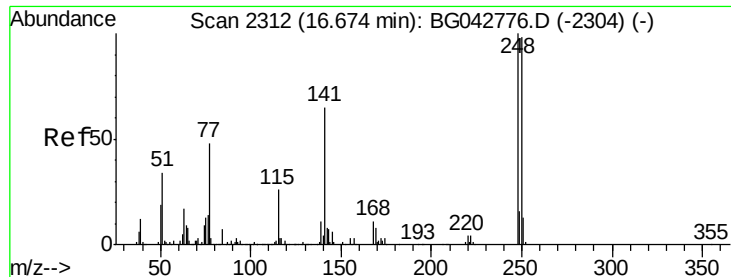
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.03 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Tgt Ion:188 Resp: 381216
 Ion Ratio Lower Upper
 188 100
 94 6.2 4.8 7.2
 80 7.9 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

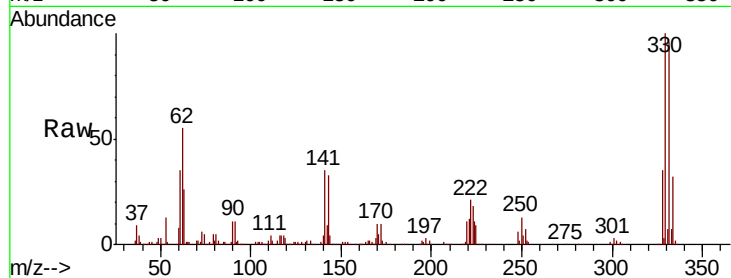




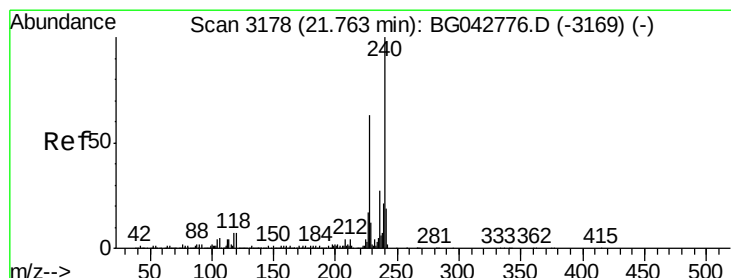
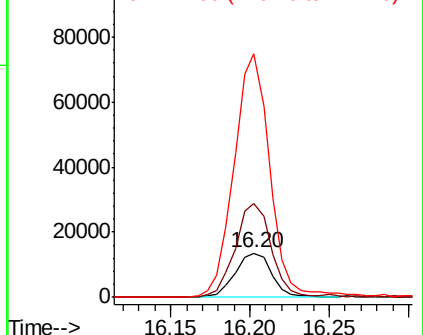
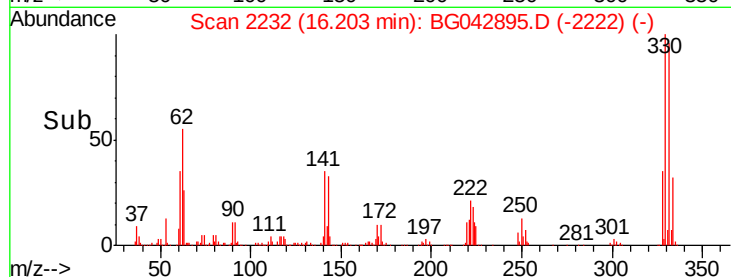
#67
 4-Bromophenyl-phenylether
 Concen: 4.716 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.47 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 21762
 Ion Ratio Lower Upper
 248 100
 250 210.4 78.0 117.0#
 141 547.5 51.8 77.6#

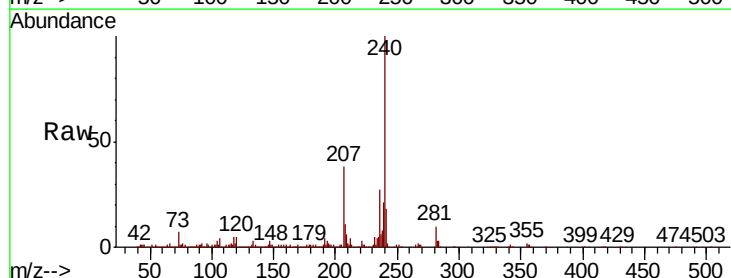


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

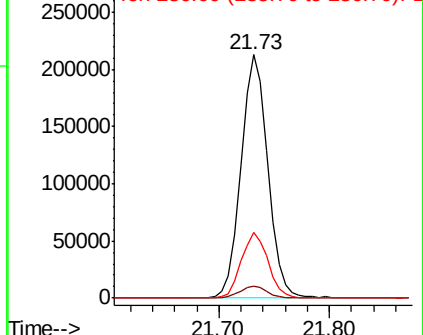
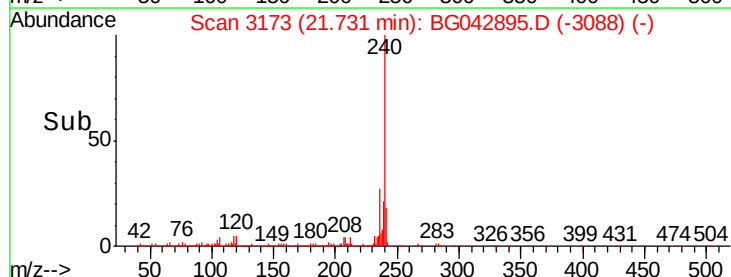


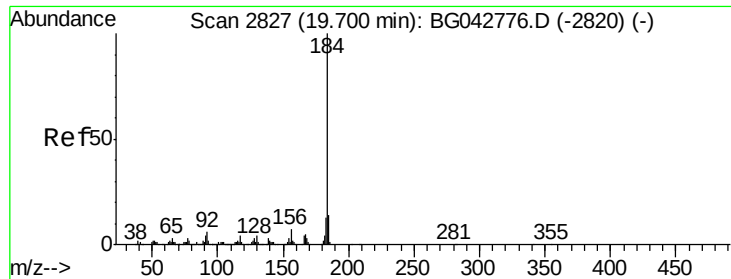
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.03 min
 Lab File: BG042895.D
 Acq: 18 Sep 2019 15:39

Tgt Ion:240 Resp: 362895
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.4 8.2#
 236 26.8 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: 3.470 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.37 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

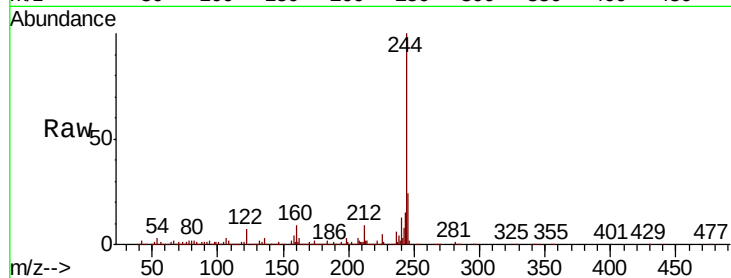
Tot Ion:184 Resp: 35181

Ion Ratio Lower Upper

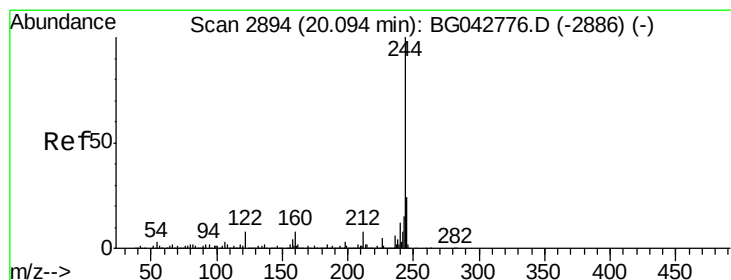
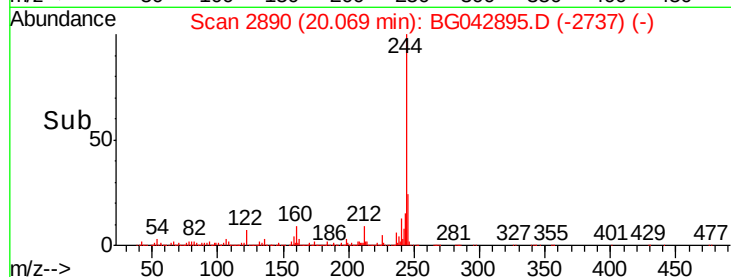
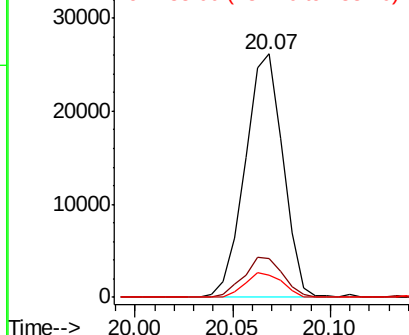
184 100

185 16.0 11.6 17.4

183 9.3 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: 112.454 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.03 min

Lab File: BG042895.D

Acq: 18 Sep 2019 15:39

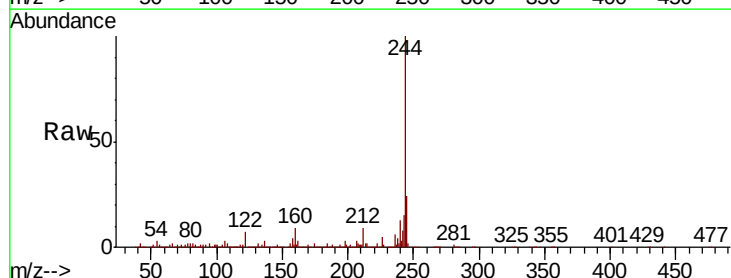
Tgt Ion:244 Resp: 1841336

Ion Ratio Lower Upper

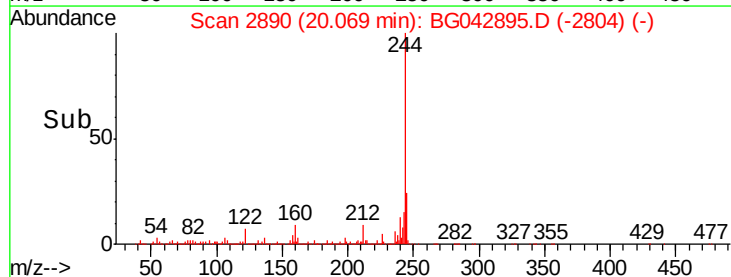
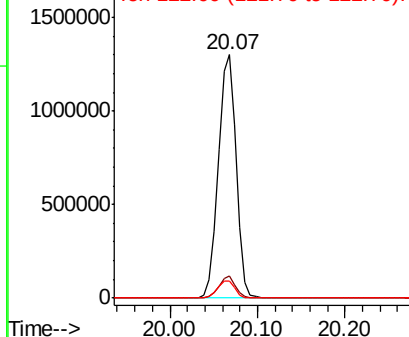
244 100

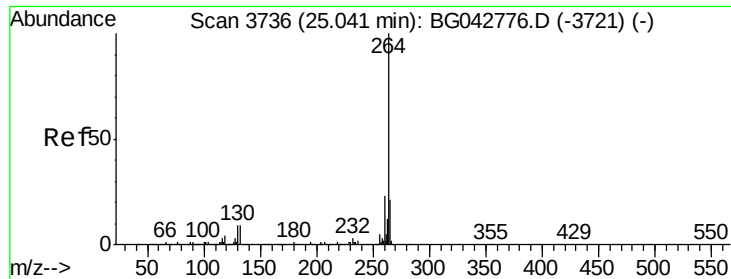
212 9.2 6.6 10.0

122 7.1 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: BG042895.D
Acq: 18 Sep 2019 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	23.2	16.9	25.3

