

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042891.D
 Acq On : 18 Sep 2019 13:06
 Operator : HP/JU
 Sample : K4877-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:11:56 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	56280	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	229583	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	172724	20.00	ng	-0.02
64) Phenanthrene-d10	17.46	188	394122	20.00	ng	-0.02
76) Chrysene-d12	21.73	240	373909	20.00	ng	-0.03
87) Perylene-d12	24.99	264	377321	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	420089	129.77	ng	0.00
7) Phenol-d6	7.29	99	587662	126.48	ng	0.02
23) Nitrobenzene-d5	9.27	82	477967	108.39	ng	-0.02
42) 2,4,6-Tribromophenol	16.21	330	351416	152.93	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1139433	104.42	ng	-0.03
79) Terphenyl-d14	20.07	244	1916250	113.58	ng	-0.02

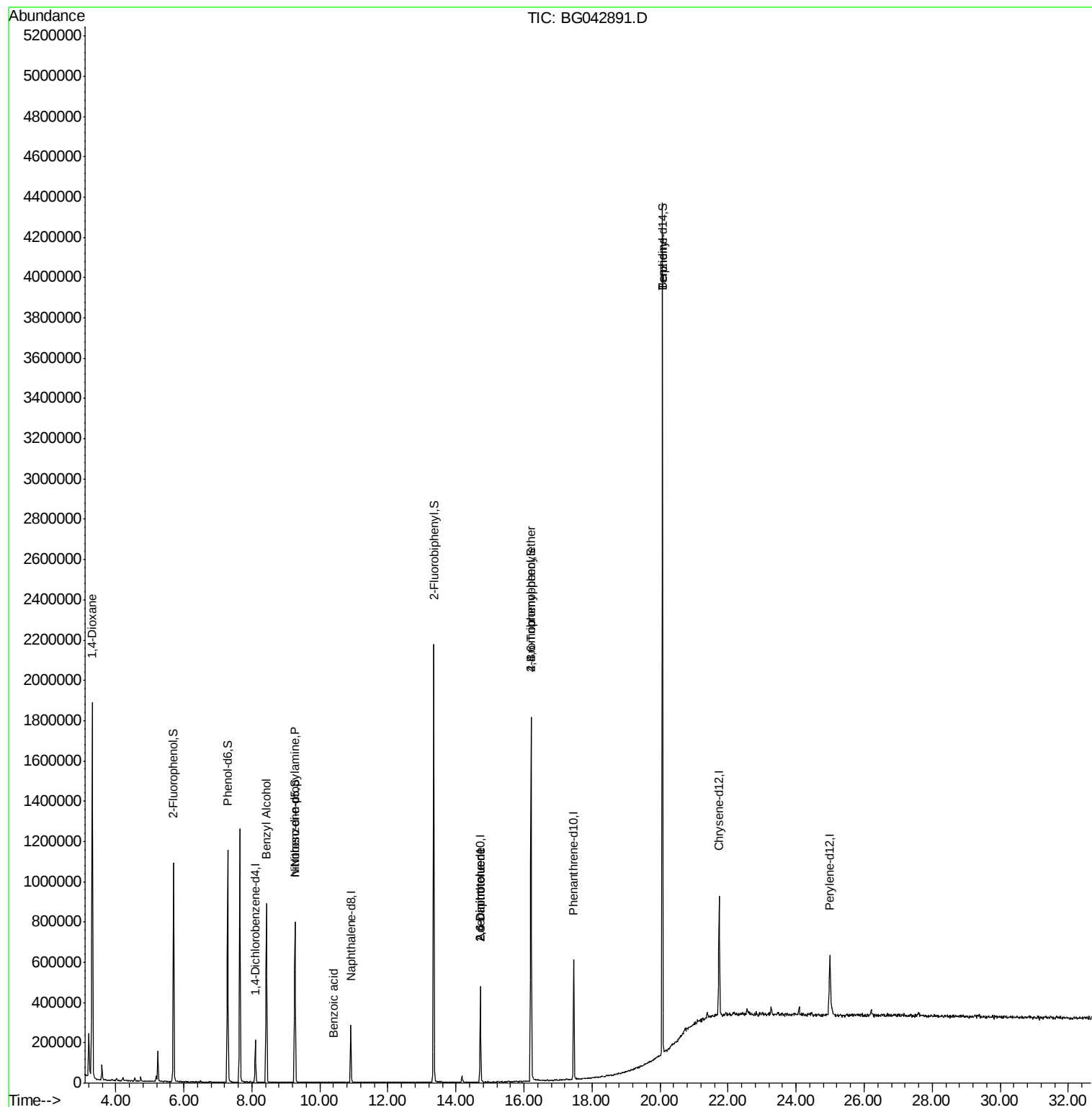
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	15052	10.188	ng	# 1
15) Benzyl Alcohol	8.43	79	8094	2.030	ng	# 50
19) n-Nitroso-di-n-propylamine	9.27	70	68127	19.898	ng	# 74
32) Benzoic acid	10.39	122	54	5.983	ng	# 40
51) 2,6-Dinitrotoluene	14.71	165	24135	9.090	ng	# 18
57) 2,4-Dinitrotoluene	14.71	165	24135	6.820	ng	# 21
67) 4-Bromophenyl-phenylether	16.21	248	23967	5.024	ng	# 1
77) Benzidine	20.07	184	36836	3.526	ng	# 95

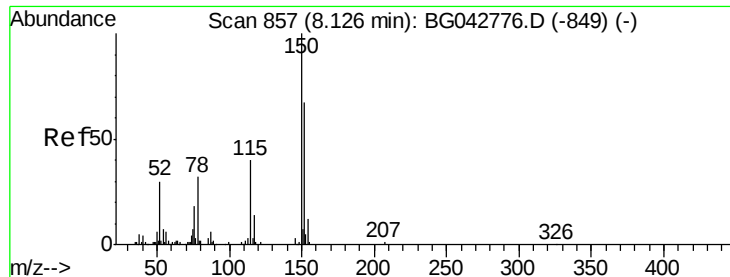
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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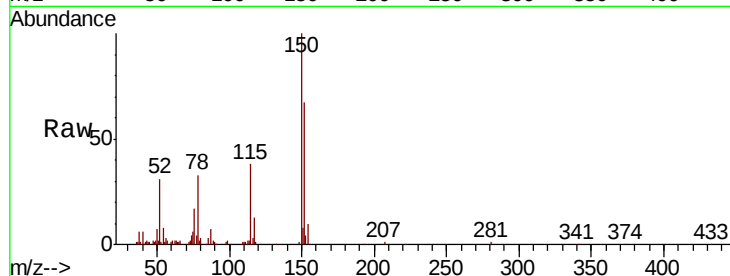


#1

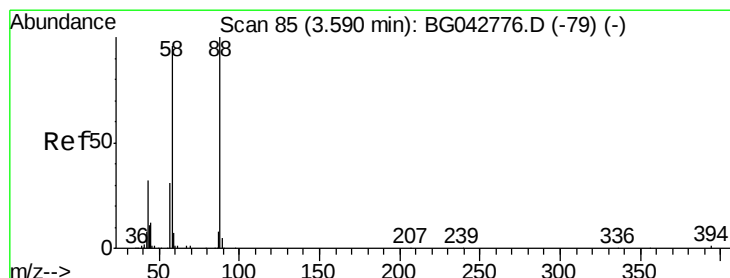
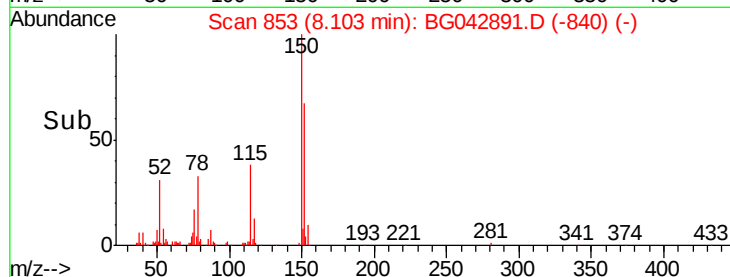
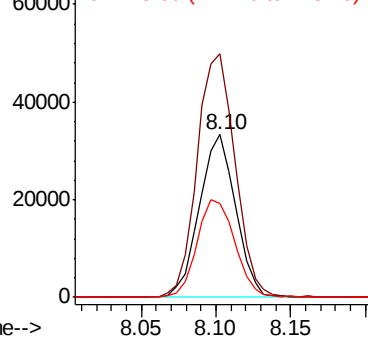
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56280
Ion Ratio Lower Upper
152 100
150 149.9 118.9 178.3
115 57.6 47.4 71.2



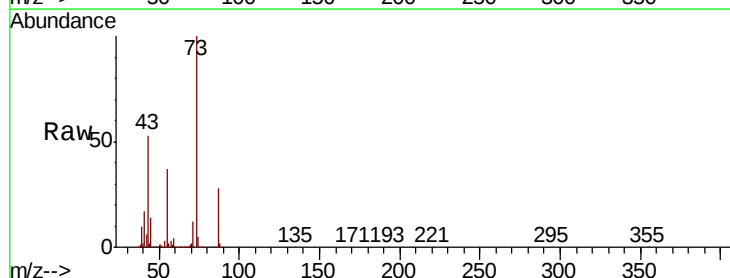
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



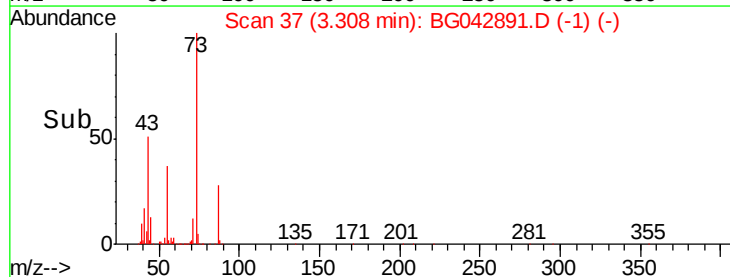
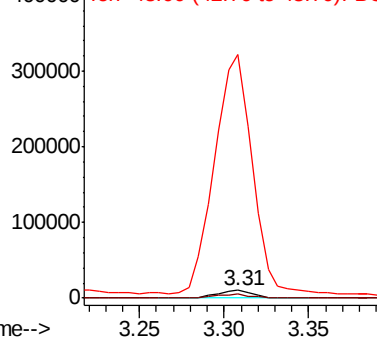
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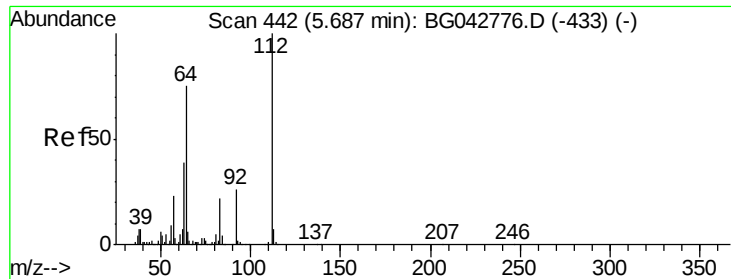
1,4-Dioxane
Concen: 10.188 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Tgt Ion: 88 Resp: 15052
Ion Ratio Lower Upper
88 100
58 49.1 79.1 118.7#
43 3312.3 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: 129.770 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.01 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Instrument :

BNA_G

ClientSampleId :

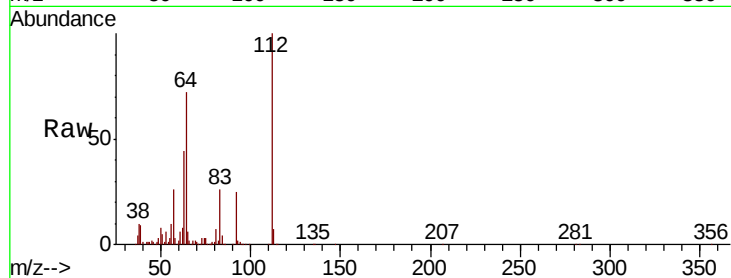
Tot Ion:112 Resp: 420089

Ion Ratio Lower Upper

112 100

64 72.3 60.2 90.2

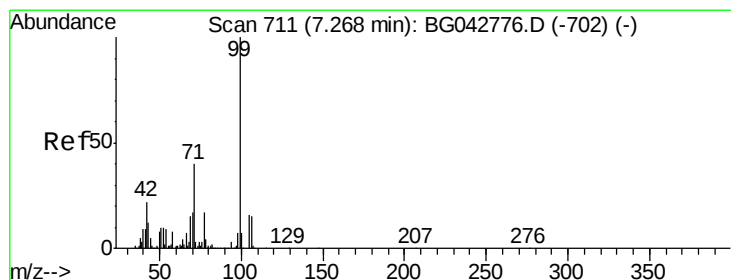
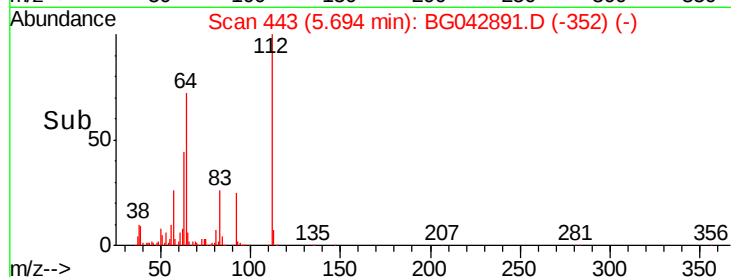
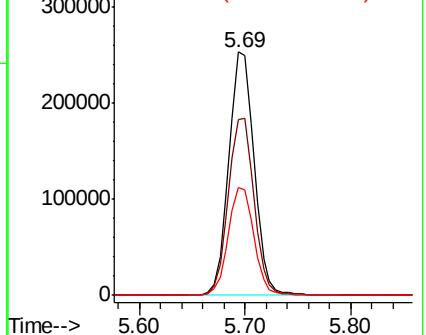
63 44.2 31.2 46.8



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: 126.475 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.02 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

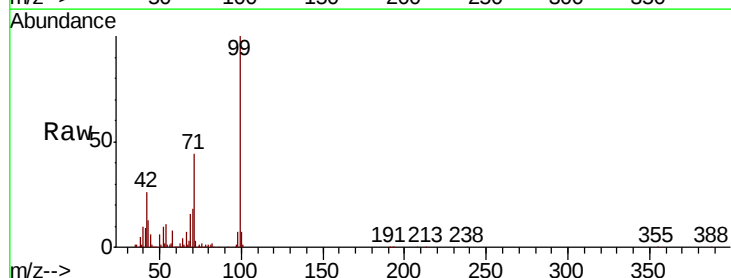
Tgt Ion: 99 Resp: 587662

Ion Ratio Lower Upper

99 100

42 26.0 17.5 26.3

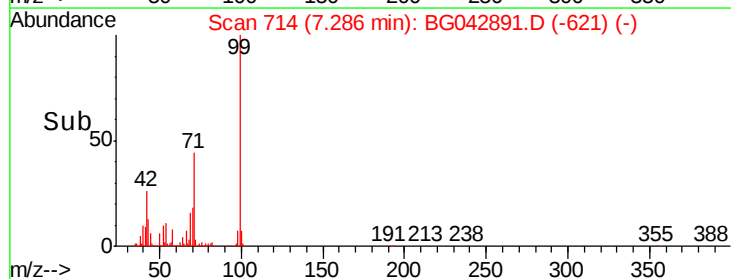
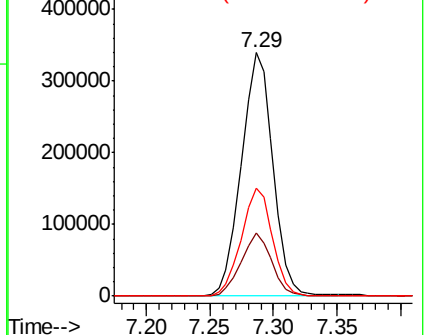
71 44.2 32.0 48.0

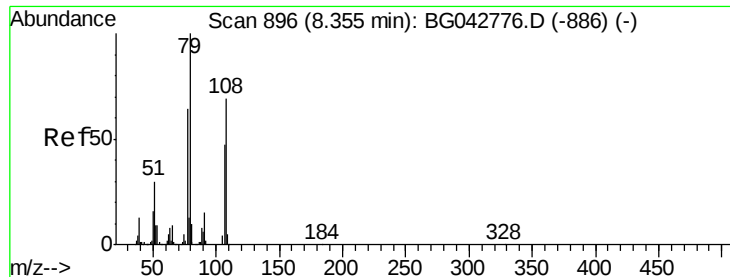


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.030 ng

RT: 8.43 min Scan# 908

Delta R.T. 0.07 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Instrument :

BNA_G

ClientSampleId :

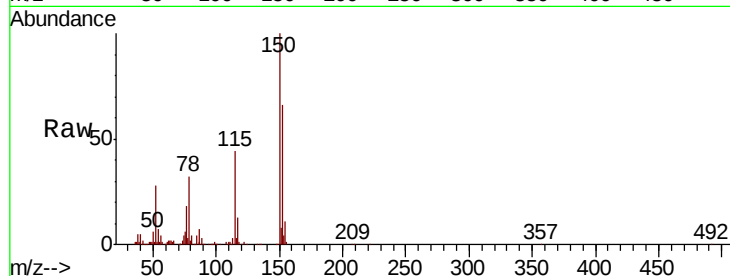
Tot Ion: 79 Resp: 8094

Ion Ratio Lower Upper

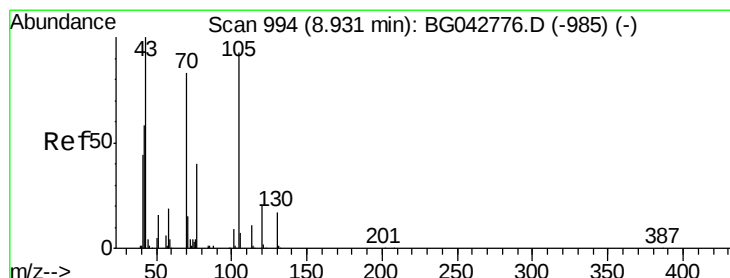
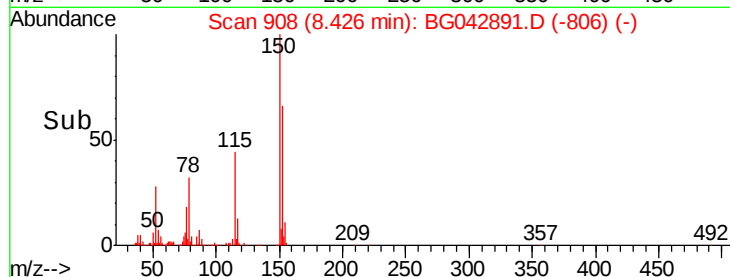
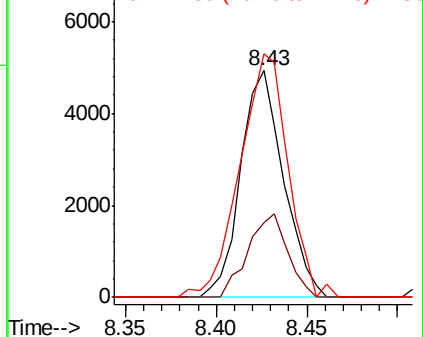
79 100

108 33.1 54.9 82.3#

77 107.3 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: 19.898 ng

RT: 9.27 min Scan# 1051

Delta R.T. 0.34 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Tgt Ion: 70 Resp: 68127

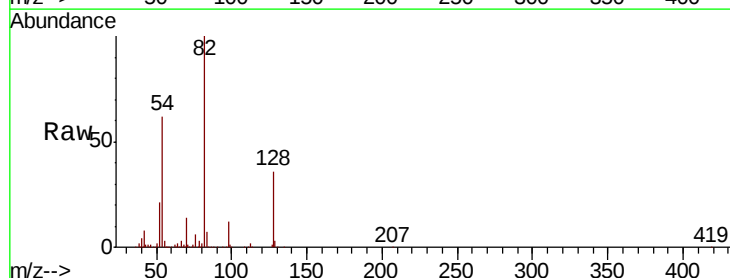
Ion Ratio Lower Upper

70 100

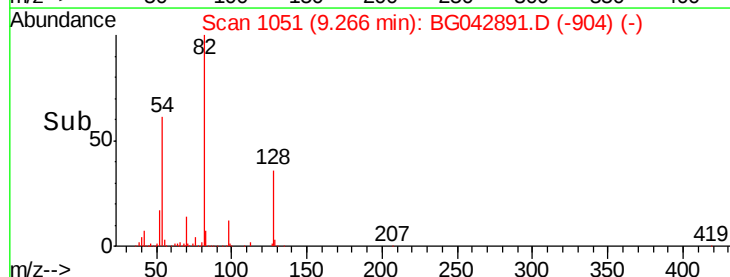
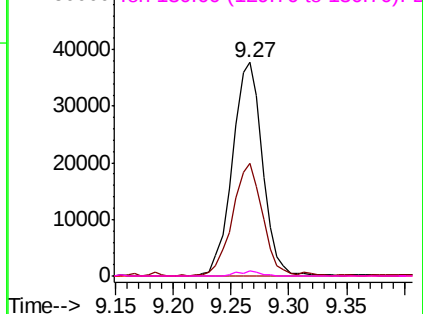
42 52.8 57.0 85.6#

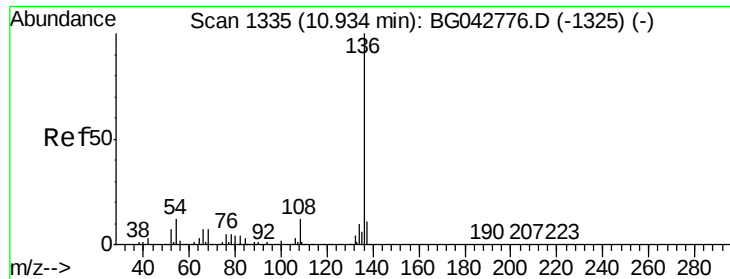
101 0.0 8.4 12.6#

130 2.5 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

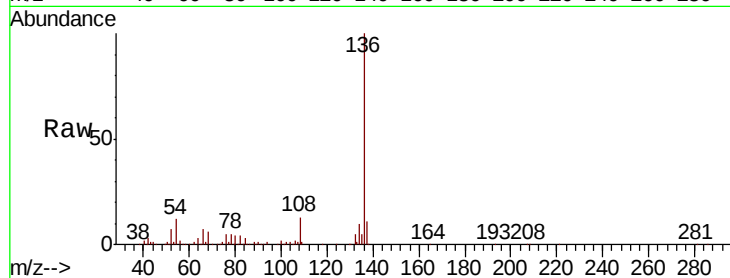




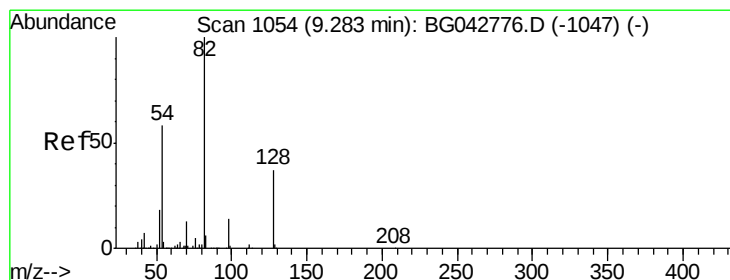
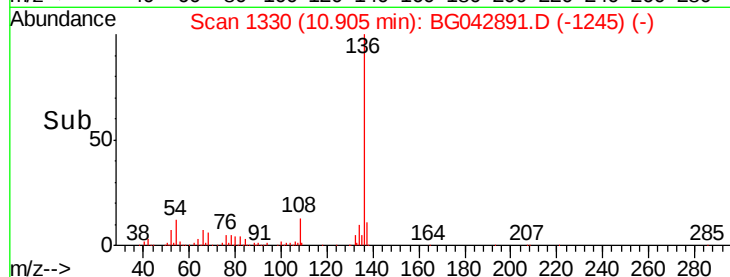
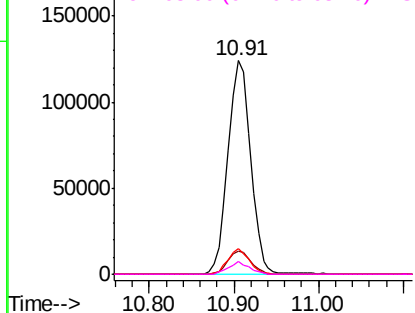
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	229583
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.6
54 11.7	9.4	14.0
68 5.7	5.4	8.2

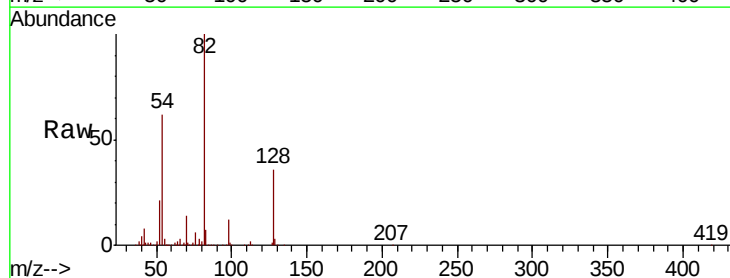


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

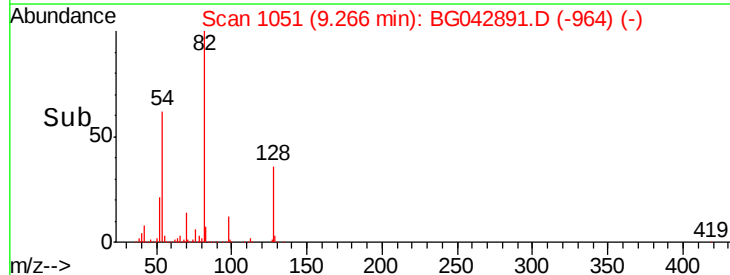
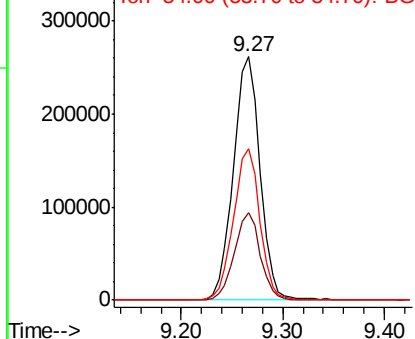


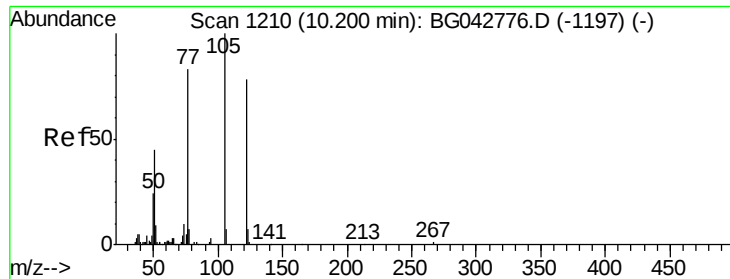
#23
Nitrobenzene-d5
Concen: 108.388 ng
RT: 9.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Tgt	Ion: 82	Resp:	477967
Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.8	44.8
54	62.2	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

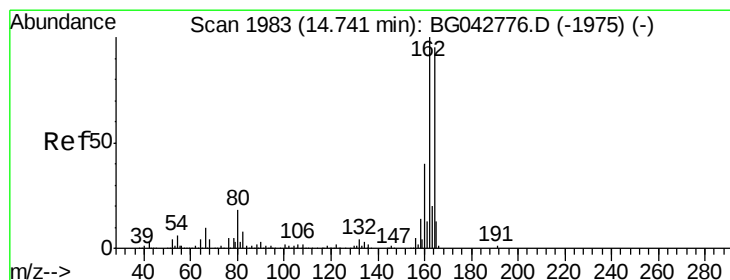
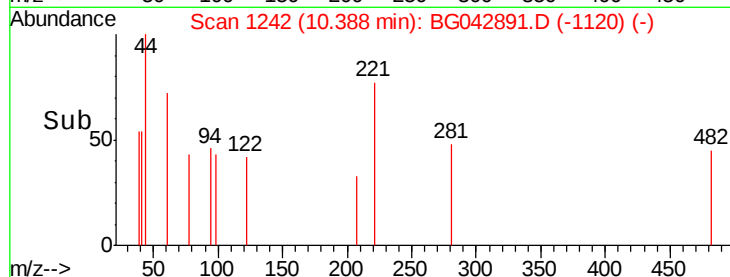
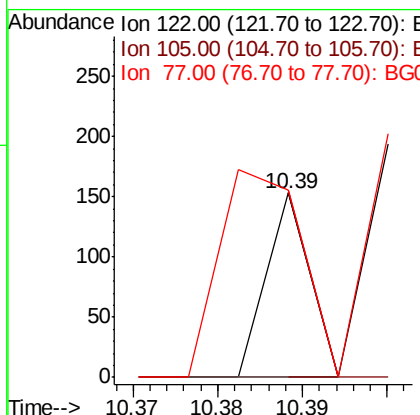
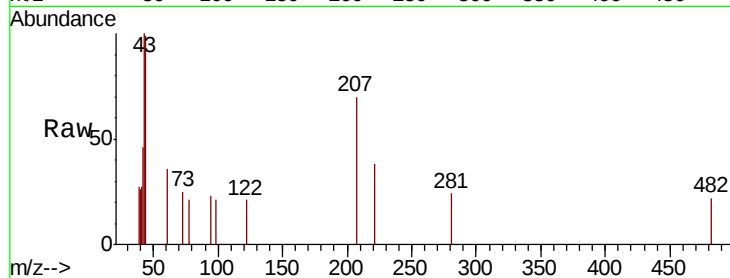




#32
Benzoic acid
Concen: 5.983 ng
RT: 10.39 min Scan# 1242
Delta R.T. 0.19 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

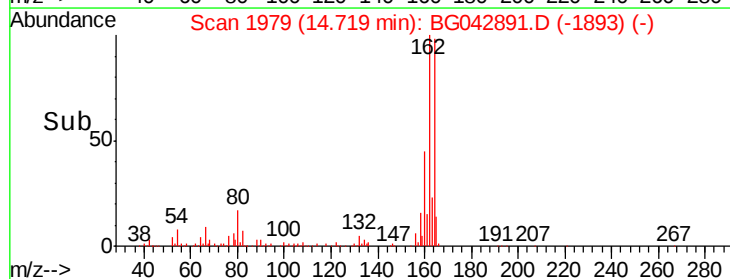
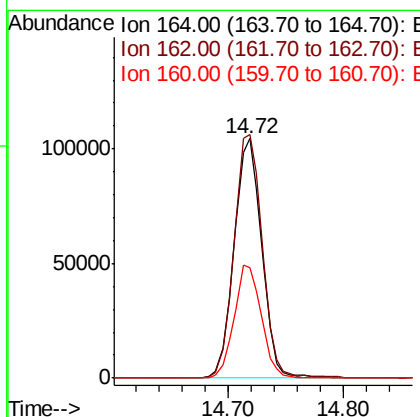
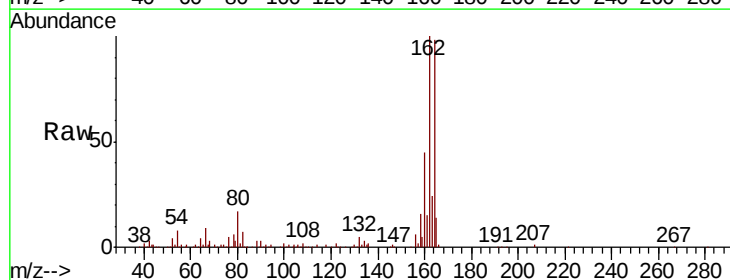
Instrument :
BNA_G
ClientSampled :

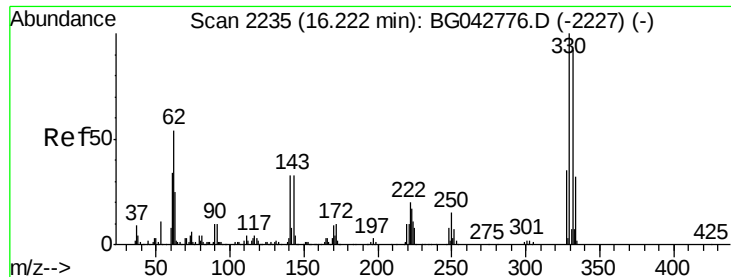
Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 102.0 84.2 124.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.02 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Tgt Ion:164 Resp: 172724
Ion Ratio Lower Upper
164 100
162 101.7 84.6 126.8
160 46.1 34.2 51.2

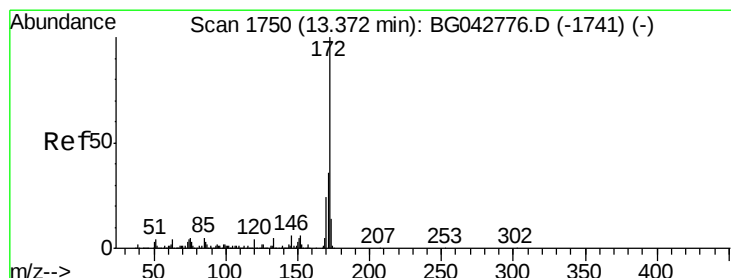
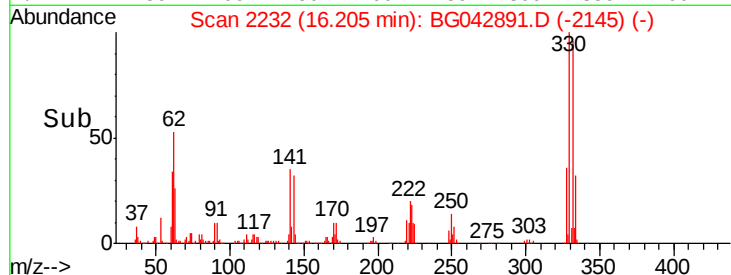
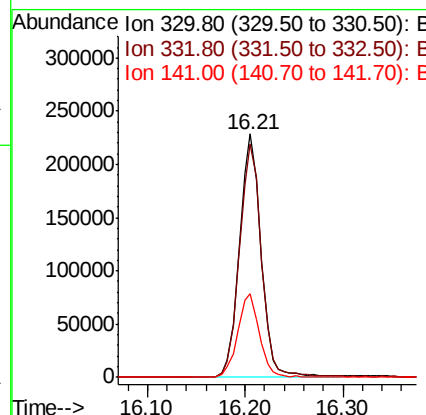
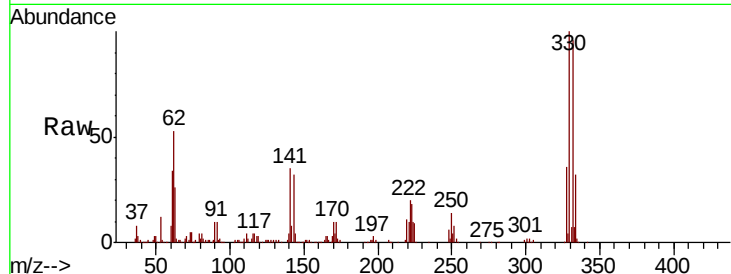




#42
 2,4,6-Tribromophenol
 Concen: 152.925 ng
 RT: 16.21 min Scan# 2232
 Delta R.T. -0.02 min
 Lab File: BG042891.D
 Acq: 18 Sep 2019 13:06

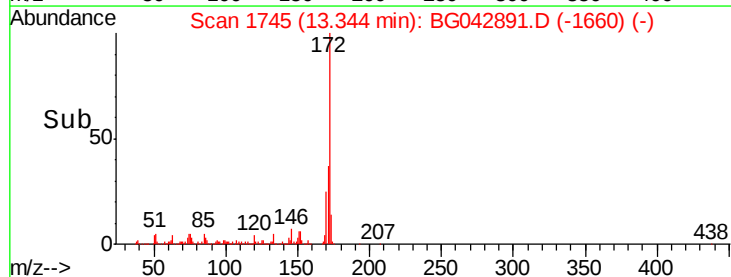
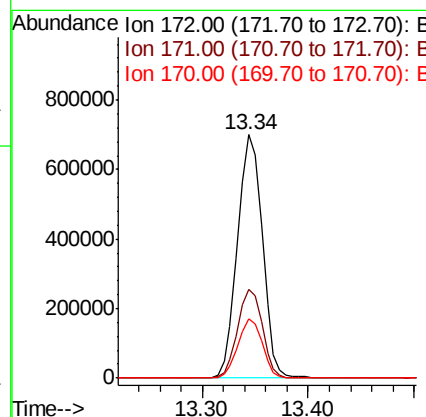
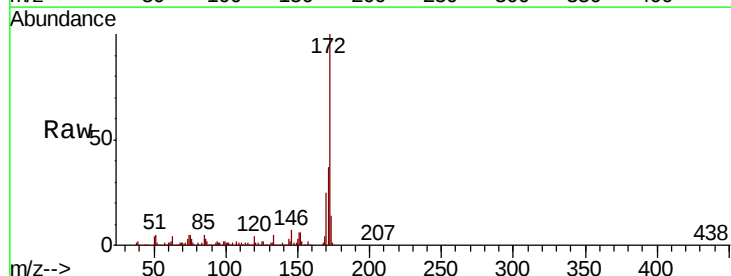
Instrument :
 BNA_G
 ClientSampleId :

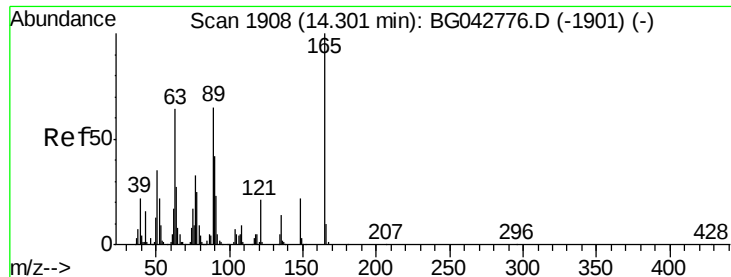
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	35.1	27.0	40.6



#45
 2-Fluorobiphenyl
 Concen: 104.424 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042891.D
 Acq: 18 Sep 2019 13:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.6	19.1	28.7





#51

2,6-Dinitrotoluene

Concen: 9.090 ng

RT: 14.71 min Scan# 1978

Delta R.T. 0.41 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Instrument :

BNA_G

ClientSampleId :

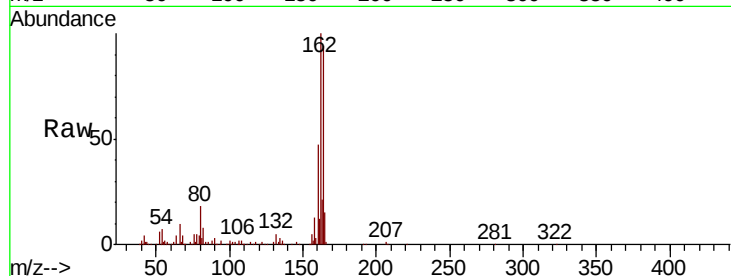
Tot Ion:165 Resp: 24135

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

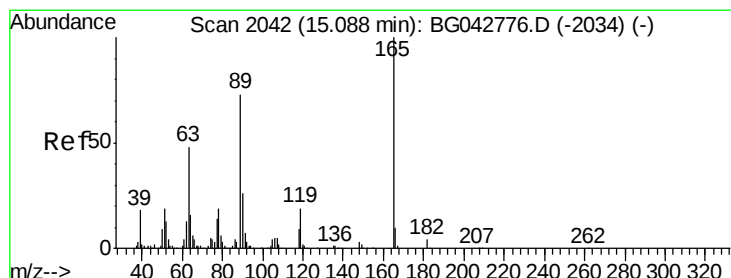
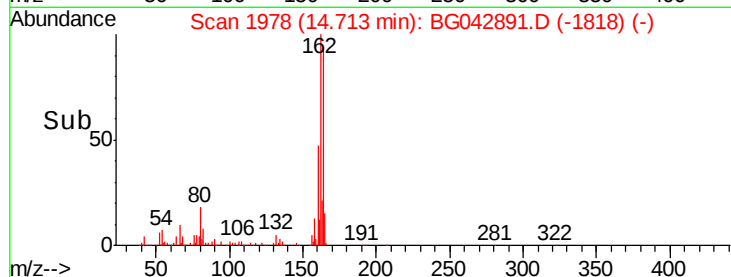
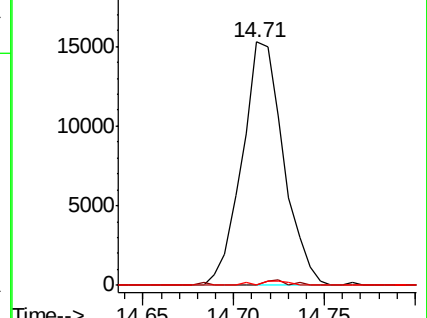
89 0.0 51.7 77.5#



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: 6.820 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.38 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Tgt Ion:165 Resp: 24135

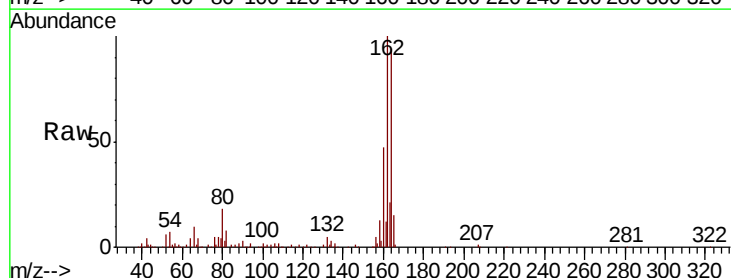
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 0.0 58.4 87.6#

182 0.0 2.9 4.3#

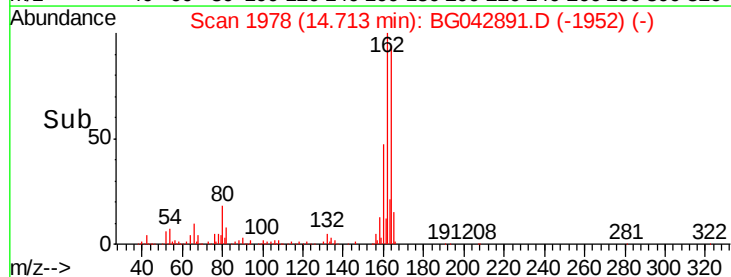
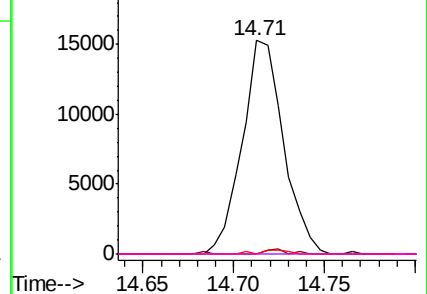


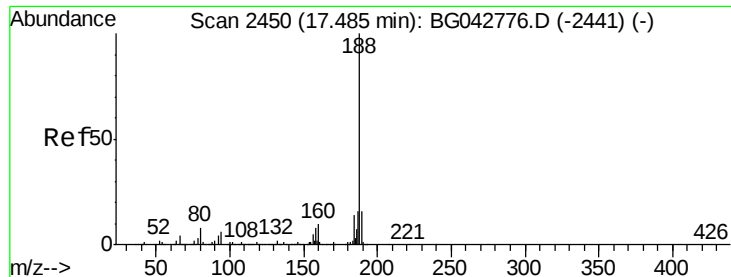
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

Instrument :

BNA_G

ClientSampleId :

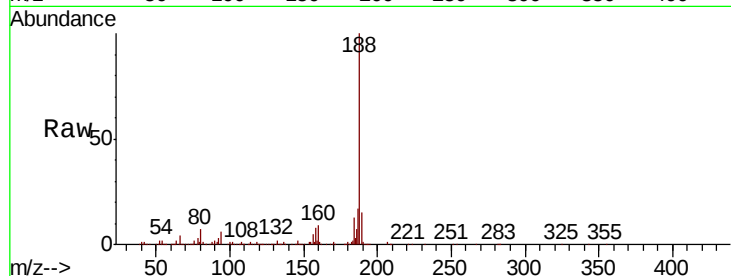
Tot Ion:188 Resp: 394122

Ion Ratio Lower Upper

188 100

94 5.8 4.8 7.2

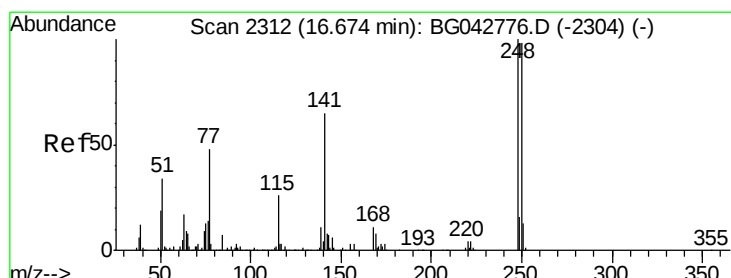
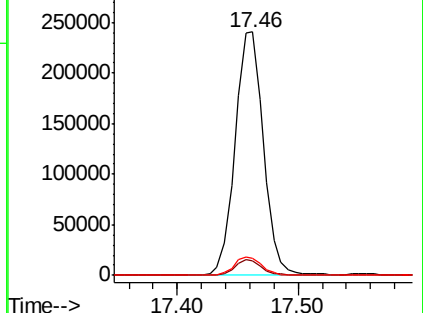
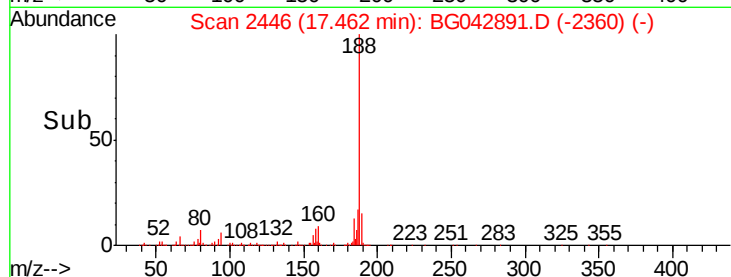
80 7.2 6.6 9.8



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



#67

4-Bromophenyl-phenylether

Concen: 5.024 ng

RT: 16.21 min Scan# 2232

Delta R.T. -0.47 min

Lab File: BG042891.D

Acq: 18 Sep 2019 13:06

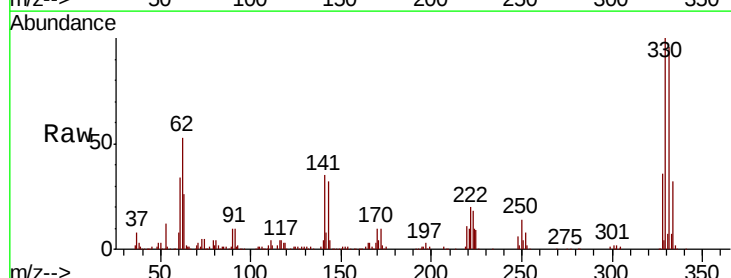
Tgt Ion:248 Resp: 23967

Ion Ratio Lower Upper

248 100

250 222.4 78.0 117.0#

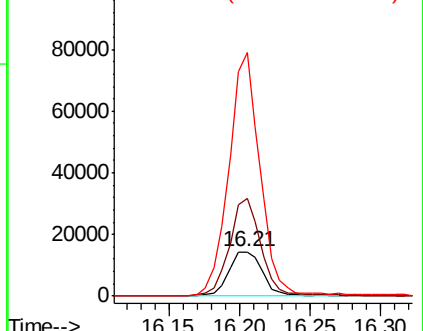
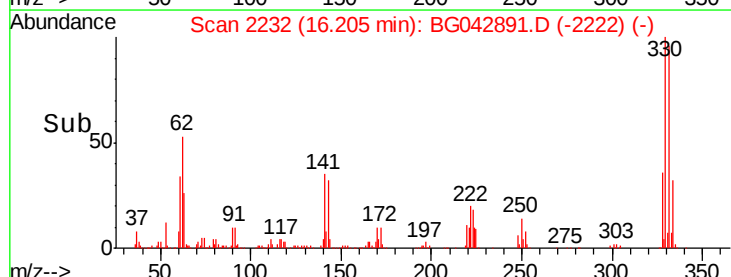
141 550.8 51.8 77.6#

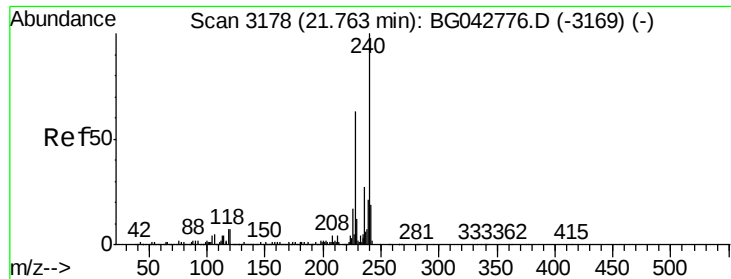


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

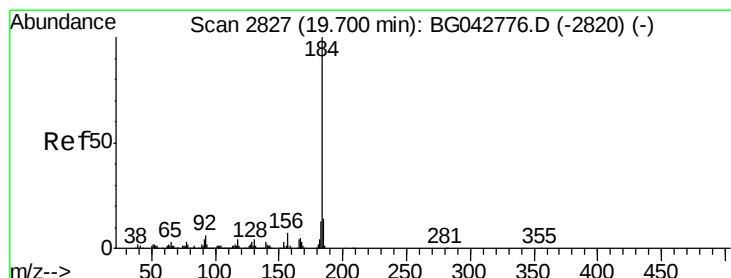
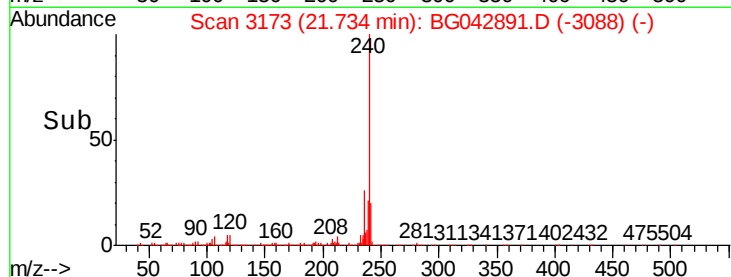
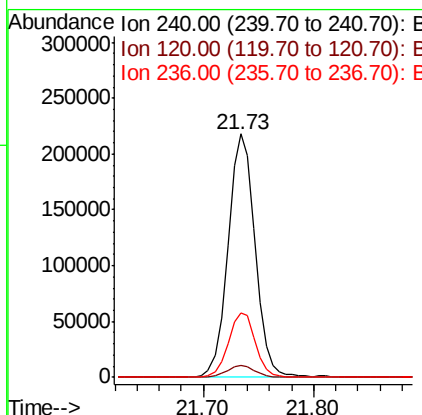
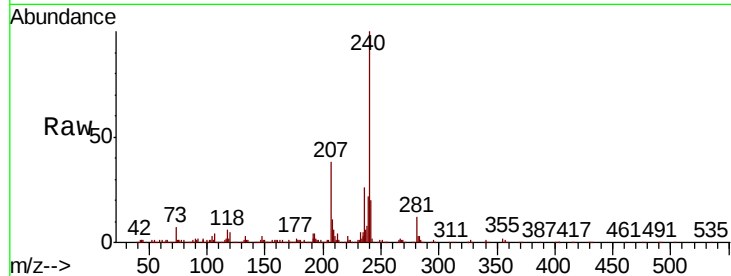




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.03 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

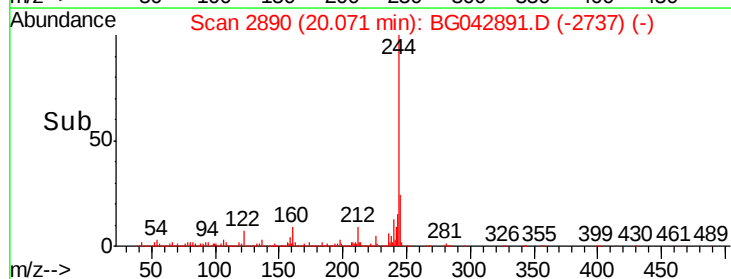
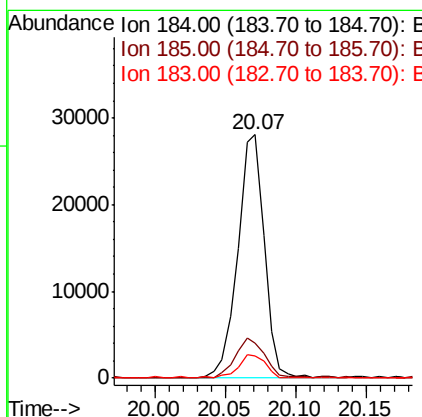
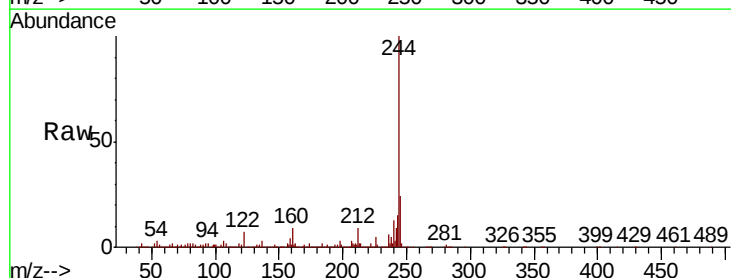
Instrument :
BNA_G
ClientSampled :

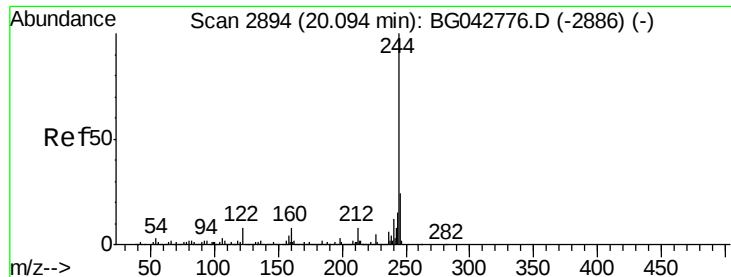
Tot Ion:240 Resp: 373909
Ion Ratio Lower Upper
240 100
120 5.0 5.4 8.2#
236 26.2 21.7 32.5



#77
Benzidine
Concen: 3.526 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.37 min
Lab File: BG042891.D
Acq: 18 Sep 2019 13:06

Tgt Ion:184 Resp: 36836
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 9.0 10.4 15.6#

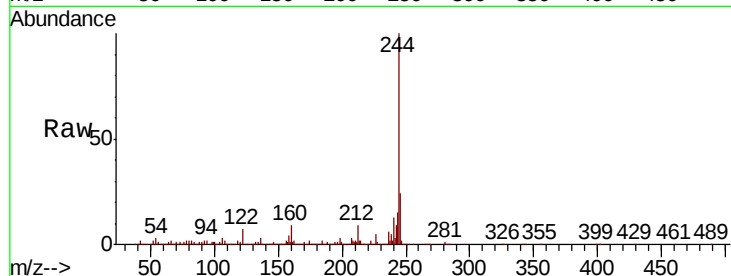




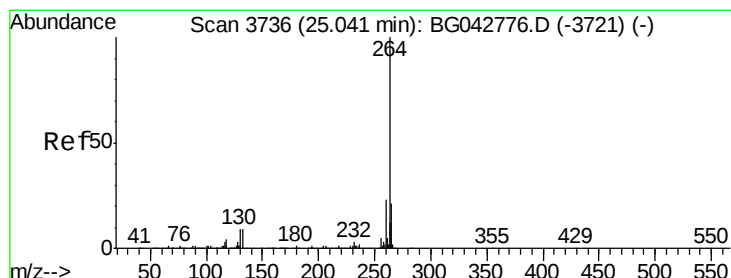
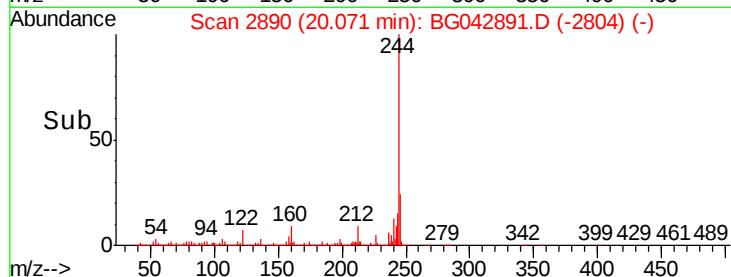
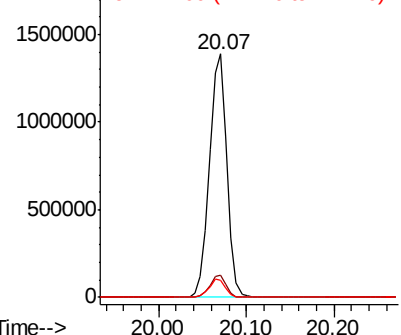
#79
 Terphenyl-d14
 Concen: 113.582 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. -0.02 min
 Lab File: BG042891.D
 Acq: 18 Sep 2019 13:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1916250
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.6 10.0
 122 7.2 6.2 9.4

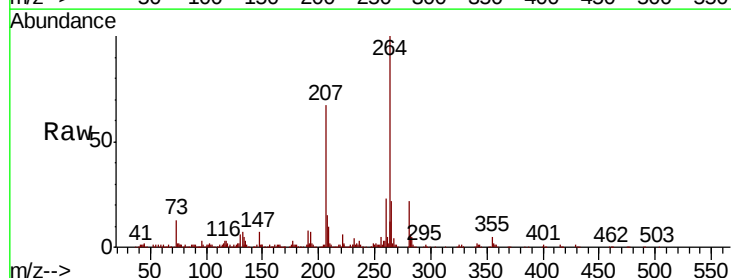


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3727
 Delta R.T. -0.05 min
 Lab File: BG042891.D
 Acq: 18 Sep 2019 13:06

Tgt Ion:264 Resp: 377321
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.2 27.2
 265 22.0 16.9 25.3



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

