

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042893.D
 Acq On : 18 Sep 2019 14:22
 Operator : HP/JU
 Sample : K4862-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:12:18 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	58805	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	233761	20.00	ng	-0.03
39) Acenaphthene-d10	14.71	164	172803	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	402755	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	377879	20.00	ng	-0.03
87) Perylene-d12	24.99	264	394953	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	418275	123.66	ng	0.00
7) Phenol-d6	7.29	99	592488	122.04	ng	0.02
23) Nitrobenzene-d5	9.27	82	481751	107.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.21	330	359139	156.21	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1090810	99.92	ng	-0.03
79) Terphenyl-d14	20.07	244	1882857	110.43	ng	-0.03

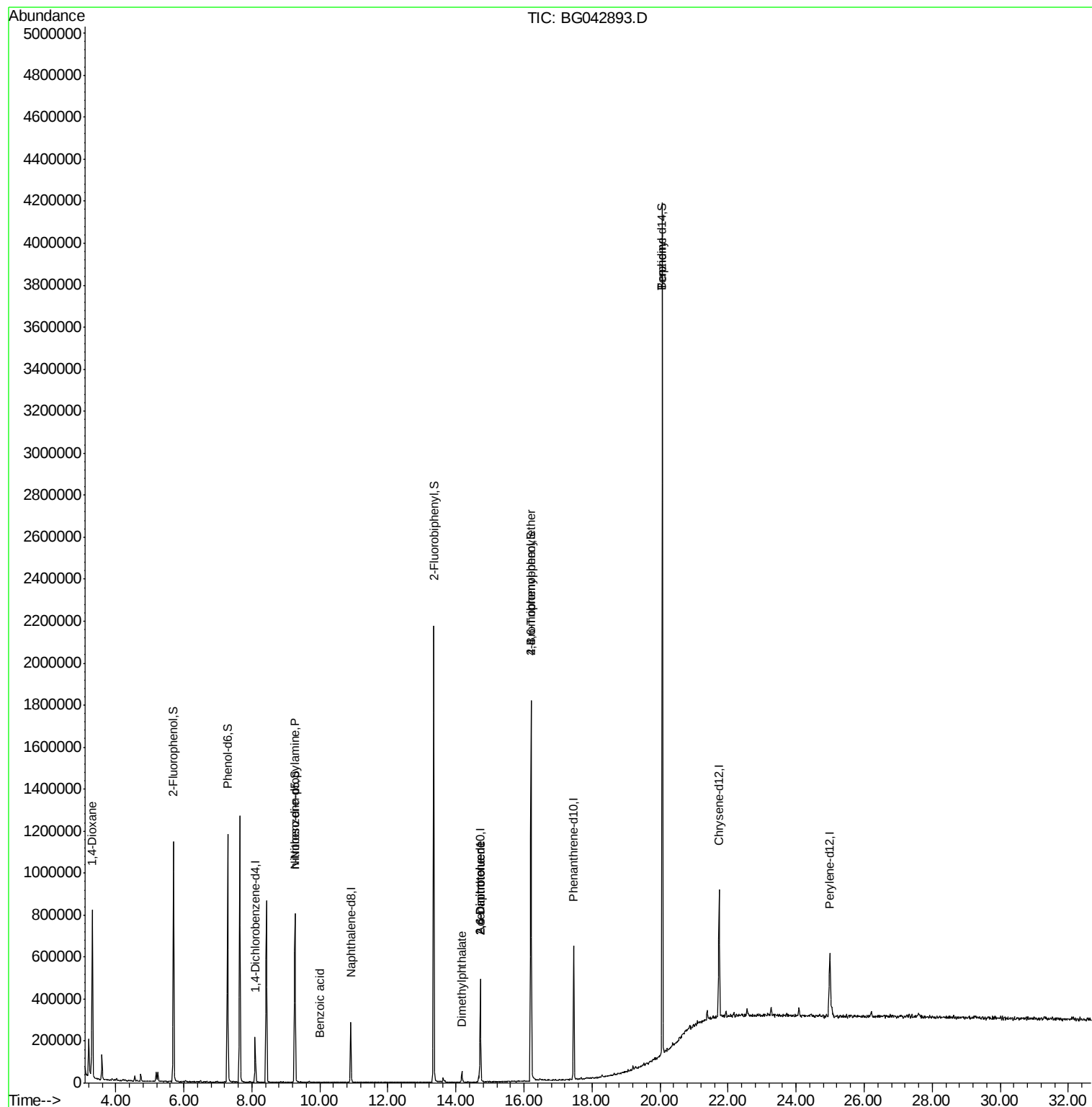
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	5994	3.883	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	69414	19.404	ng	# 70
32) Benzoic acid	9.99	122	56	5.983	ng	# 30
50) Dimethylphthalate	14.17	163	34564	2.670	ng	# 93
51) 2,6-Dinitrotoluene	14.71	165	24025	9.045	ng	# 20
57) 2,4-Dinitrotoluene	14.71	165	24025	6.786	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	24031	4.930	ng	# 1
77) Benzidine	20.07	184	35928	3.403	ng	# 92

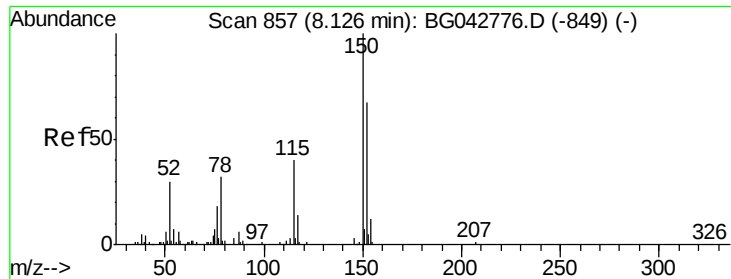
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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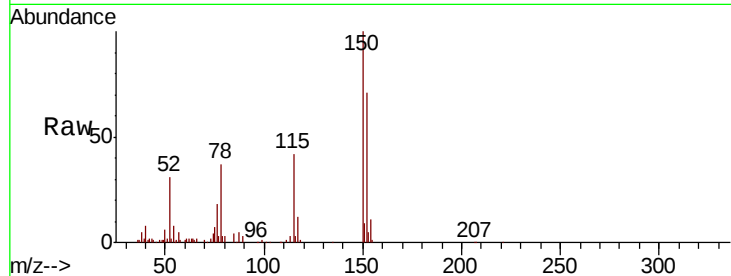


#1

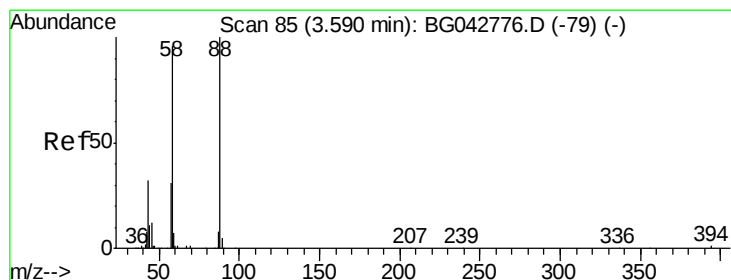
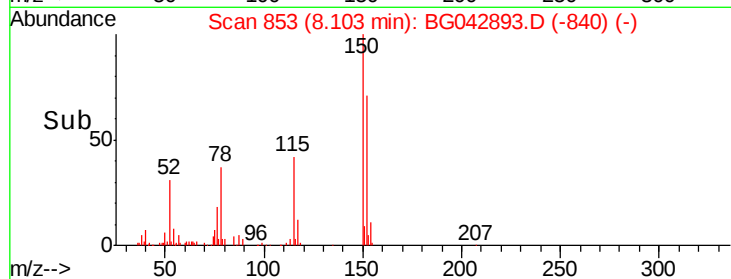
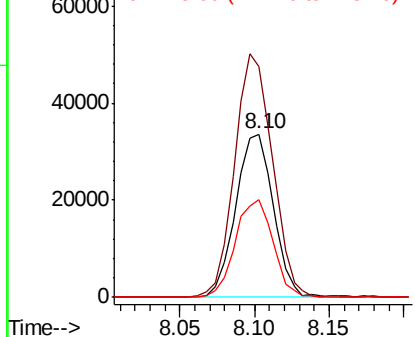
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58805
Ion Ratio Lower Upper
152 100
150 141.6 118.9 178.3
115 59.8 47.4 71.2



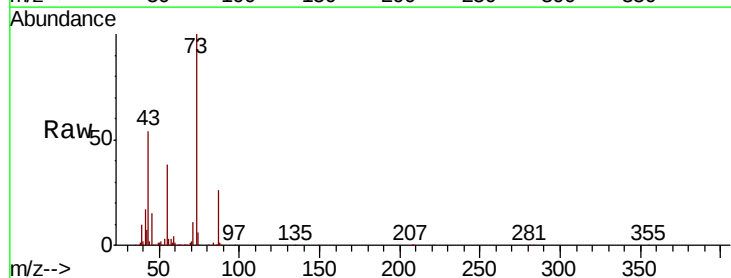
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



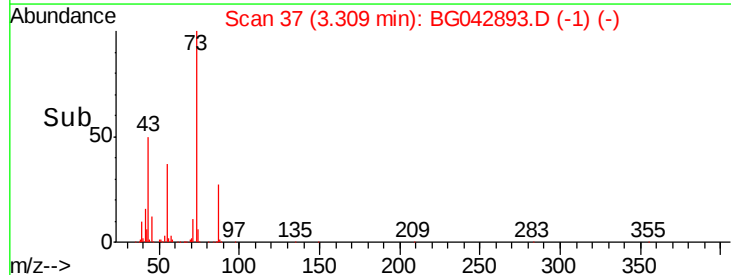
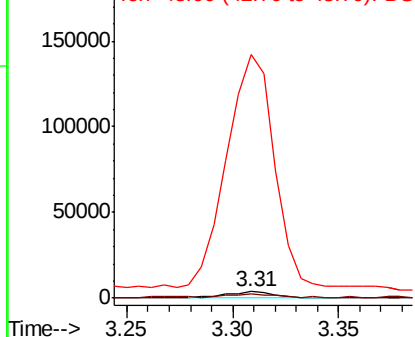
#2

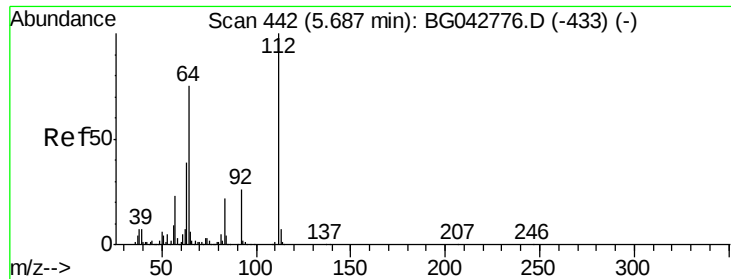
1,4-Dioxane
Concen: 3.883 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

Tgt Ion: 88 Resp: 5994
Ion Ratio Lower Upper
88 100
58 62.4 79.1 118.7#
43 3502.7 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: 123.662 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.01 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Instrument :

BNA_G

ClientSampleId :

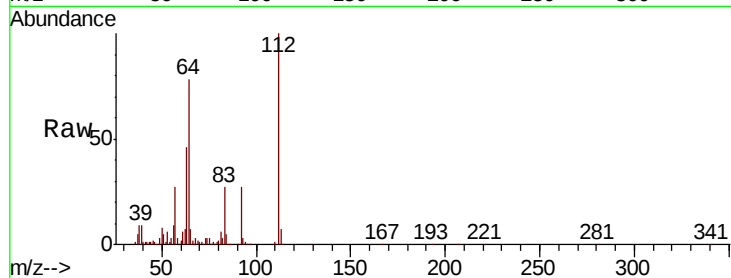
Tot Ion:112 Resp: 418275

Ion Ratio Lower Upper

112 100

64 77.8 60.2 90.2

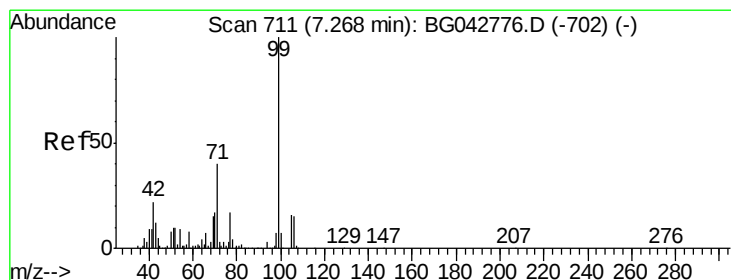
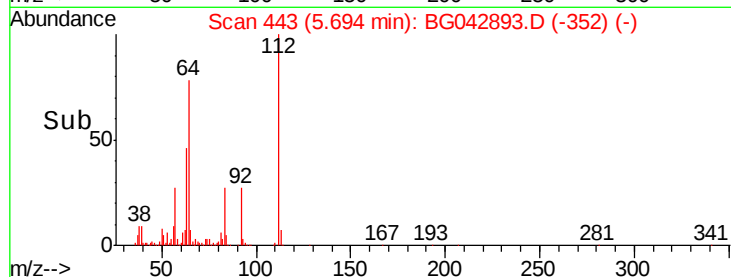
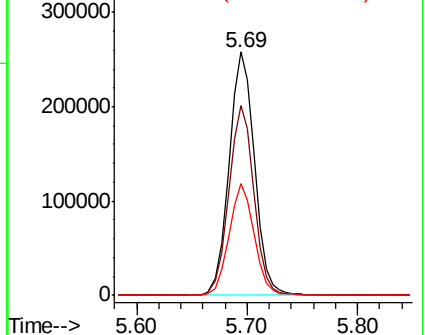
63 45.9 31.2 46.8



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: 122.039 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.02 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

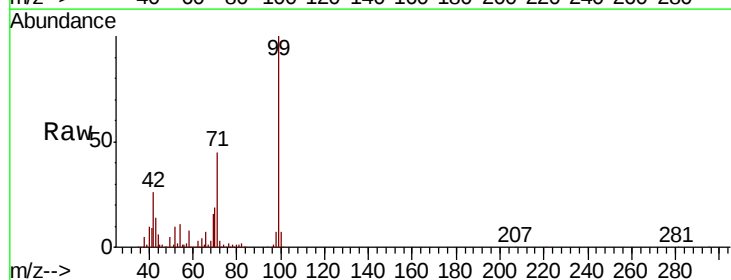
Tgt Ion: 99 Resp: 592488

Ion Ratio Lower Upper

99 100

42 26.0 17.5 26.3

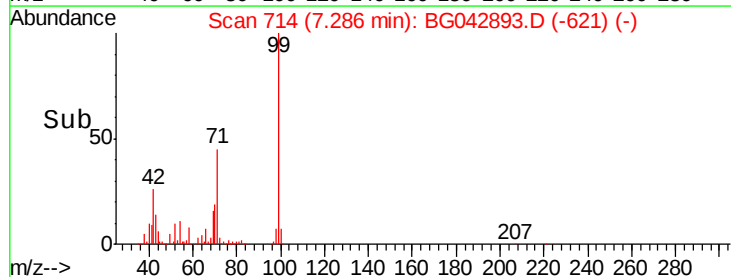
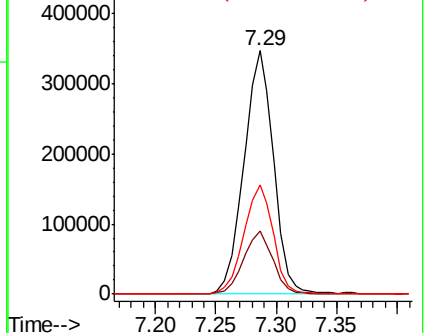
71 44.7 32.0 48.0

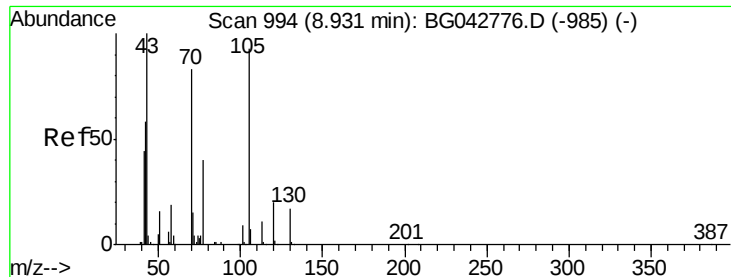


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.404 ng

RT: 9.27 min Scan# 1051

Delta R.T. 0.34 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 69414

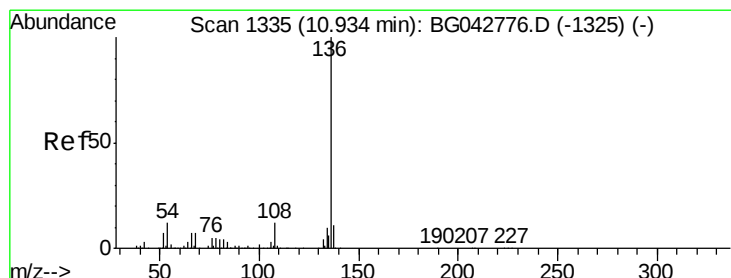
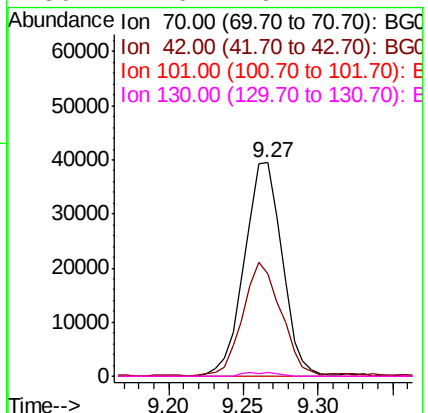
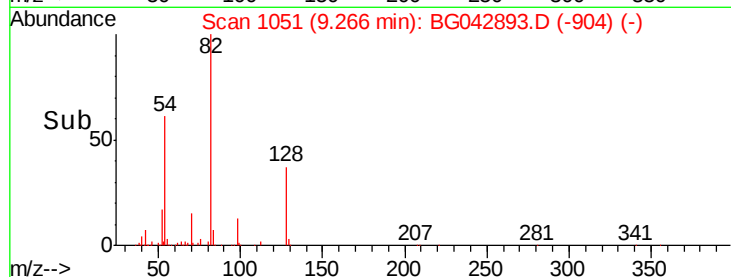
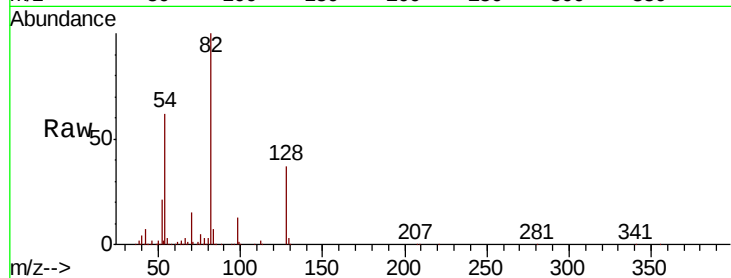
Ion Ratio Lower Upper

70 100

42 48.0 57.0 85.6#

101 0.0 8.4 12.6#

130 1.6 16.1 24.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Tgt Ion: 136 Resp: 233761

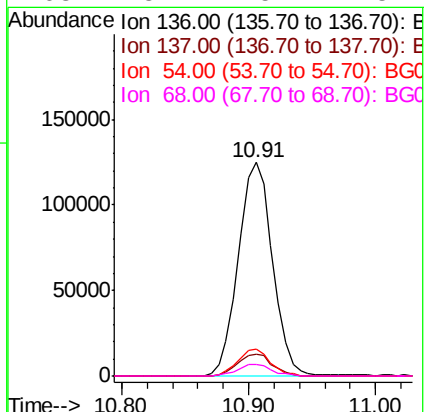
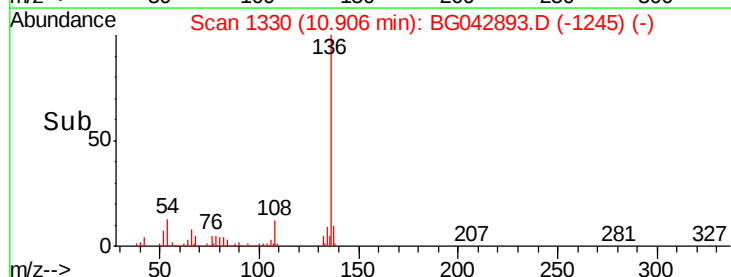
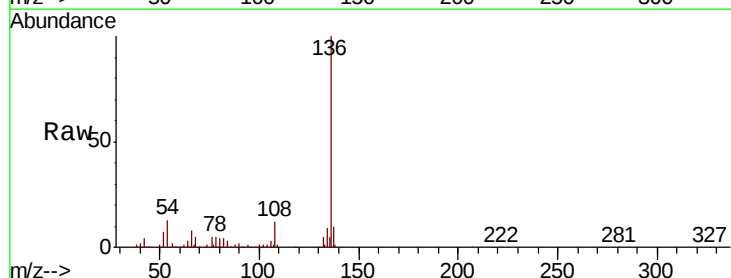
Ion Ratio Lower Upper

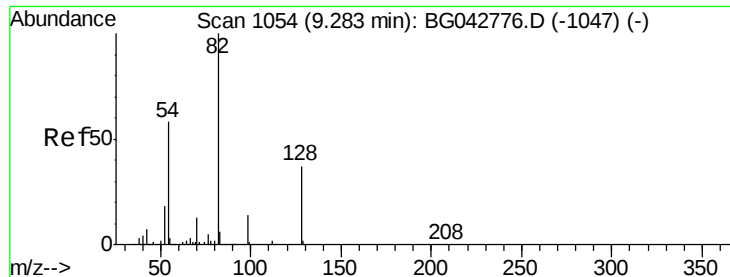
136 100

137 10.2 9.0 13.6

54 12.5 9.4 14.0

68 5.2 5.4 8.2#

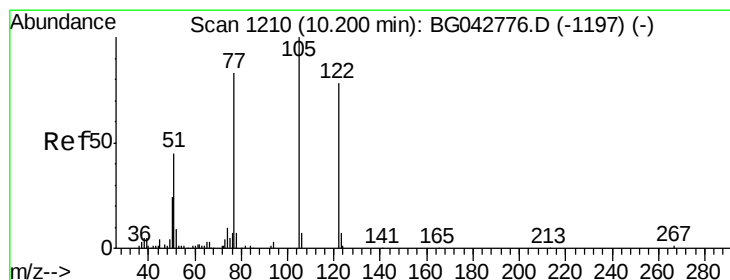
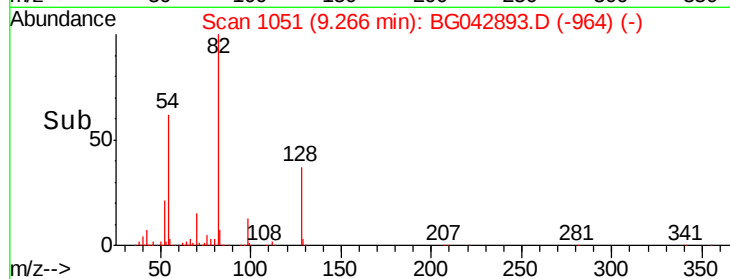
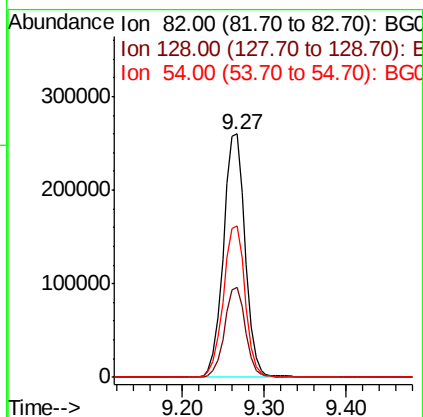
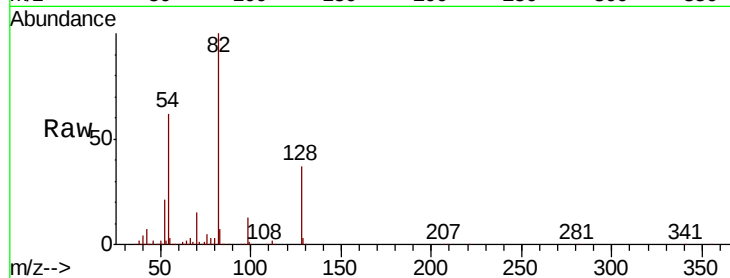




#23
 Nitrobenzene-d5
 Concen: 107.294 ng
 RT: 9.27 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BG042893.D
 Acq: 18 Sep 2019 14:22

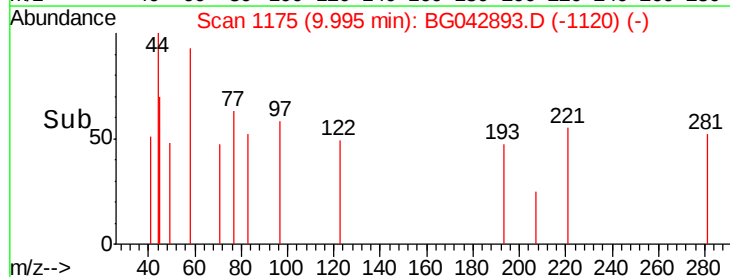
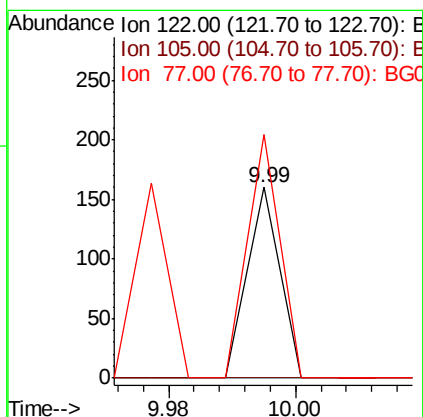
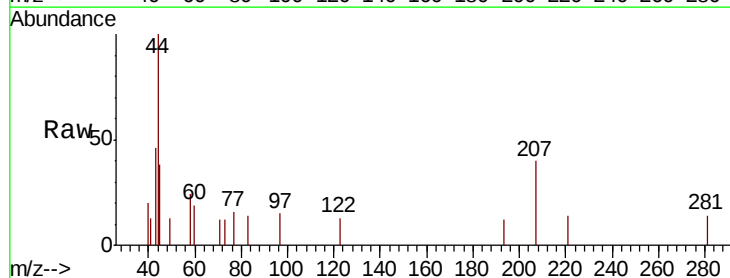
Instrument :
 BNA_G
 ClientSampleId :

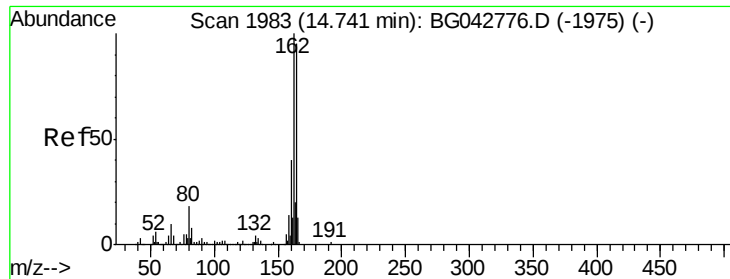
Tot Ion: 82 Resp: 481751
 Ion Ratio Lower Upper
 82 100
 128 36.8 29.8 44.8
 54 62.1 46.1 69.1



#32
 Benzoic acid
 Concen: 5.983 ng
 RT: 9.99 min Scan# 1175
 Delta R.T. -0.20 min
 Lab File: BG042893.D
 Acq: 18 Sep 2019 14:22

Tgt Ion: 122 Resp: 56
 Ion Ratio Lower Upper
 122 100
 105 0.0 104.0 144.0#
 77 127.5 84.2 124.2#

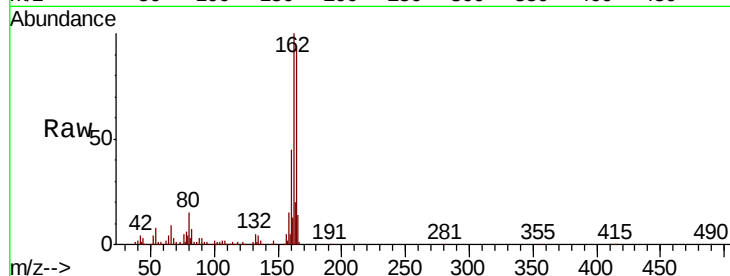




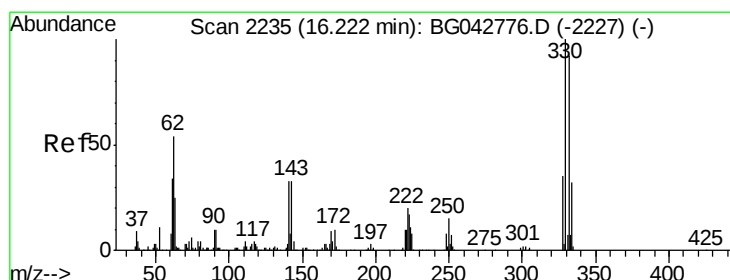
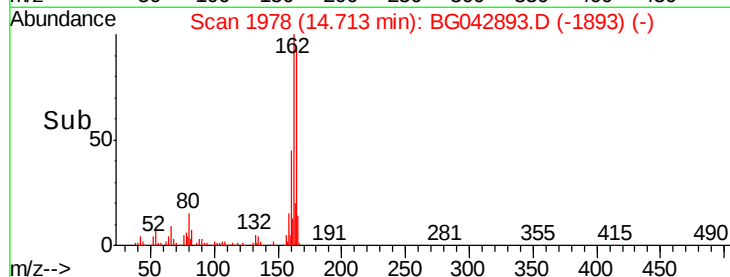
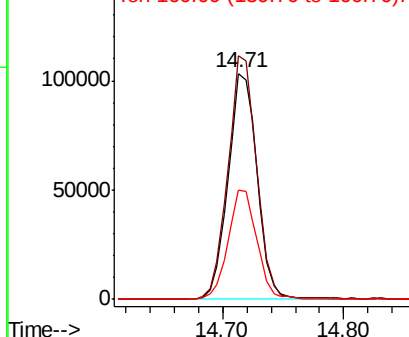
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 172803
Ion Ratio Lower Upper
164 100
162 107.7 84.6 126.8
160 48.3 34.2 51.2

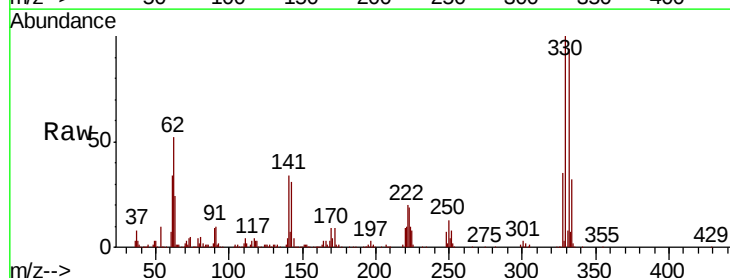


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

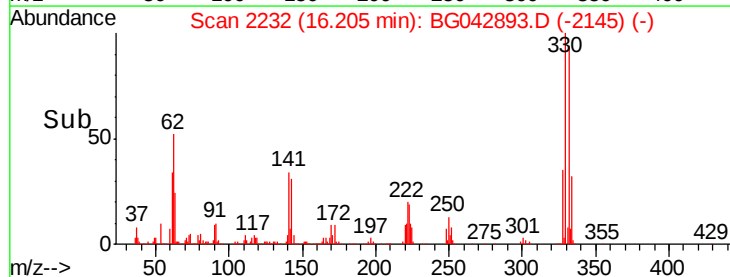
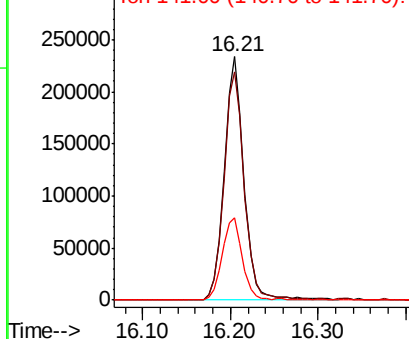


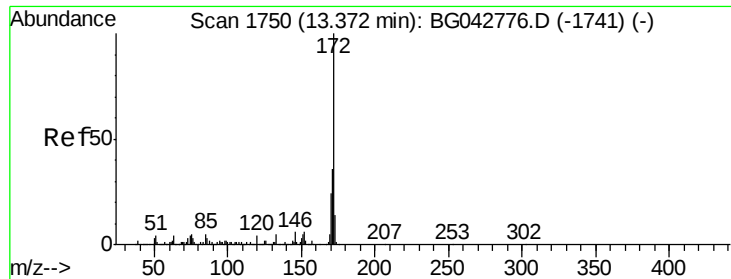
#42
2,4,6-Tribromophenol
Concen: 156.215 ng
RT: 16.21 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

Tgt Ion:330 Resp: 359139
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 35.3 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



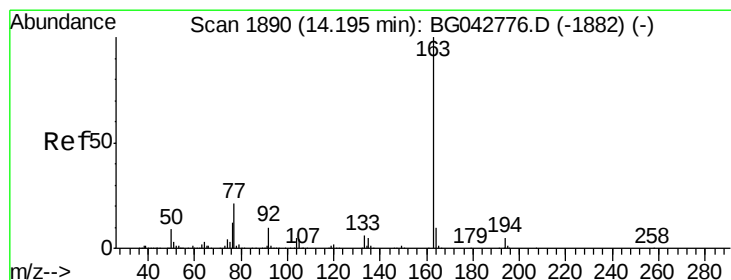
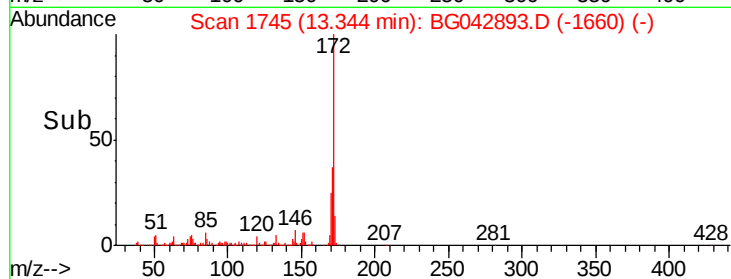
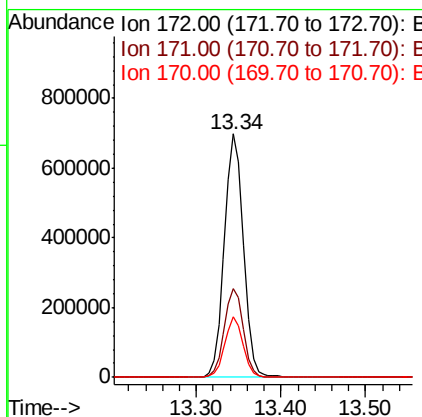
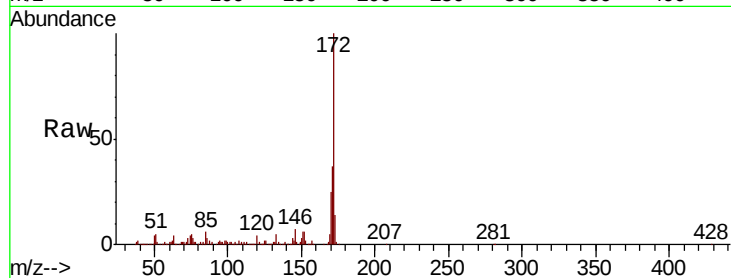


#45
 2-Fluorobiphenyl
 Concen: 99.922 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042893.D
 Acq: 18 Sep 2019 14:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1090810

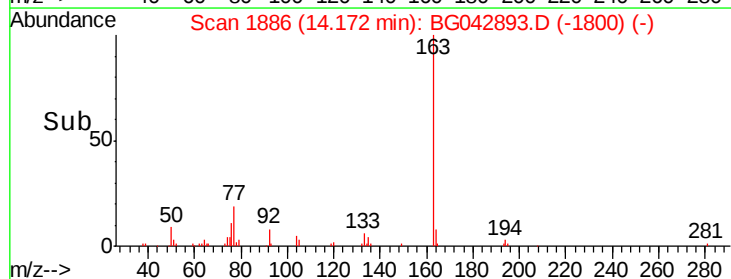
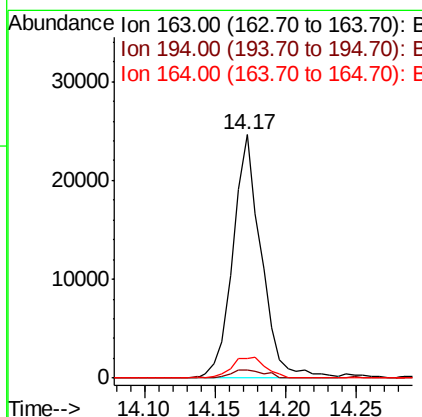
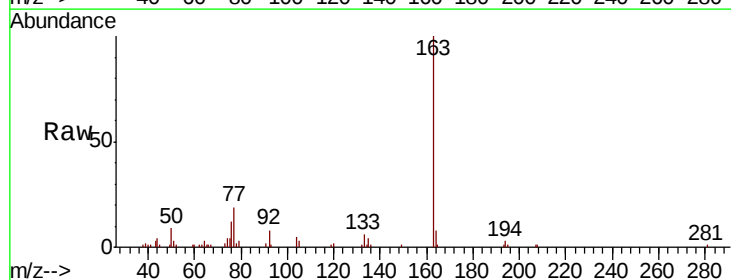
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.9	19.1	28.7

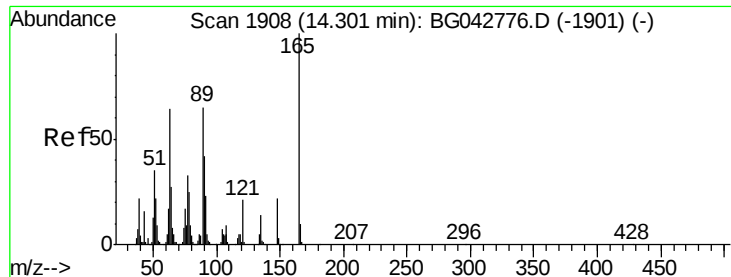


#50
 Dimethylphthalate
 Concen: 2.670 ng
 RT: 14.17 min Scan# 1886
 Delta R.T. -0.02 min
 Lab File: BG042893.D
 Acq: 18 Sep 2019 14:22

Tgt Ion:163 Resp: 34564

Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.2	6.4#
164	7.8	8.4	12.6#





#51

2,6-Dinitrotoluene

Concen: 9.045 ng

RT: 14.71 min Scan# 1978

Delta R.T. 0.41 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Instrument :

BNA_G

ClientSampleId :

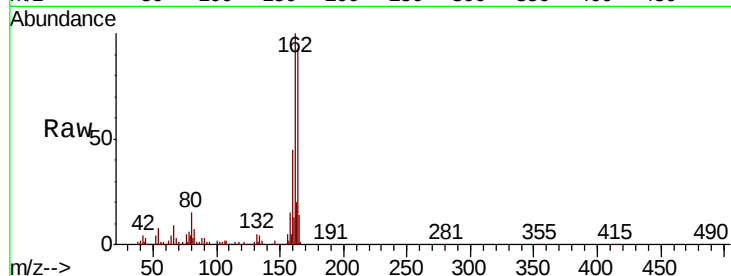
Tot Ion:165 Resp: 24025

Ion Ratio Lower Upper

165 100

63 1.3 52.1 78.1#

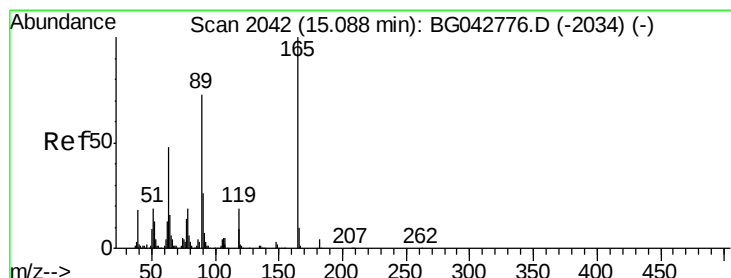
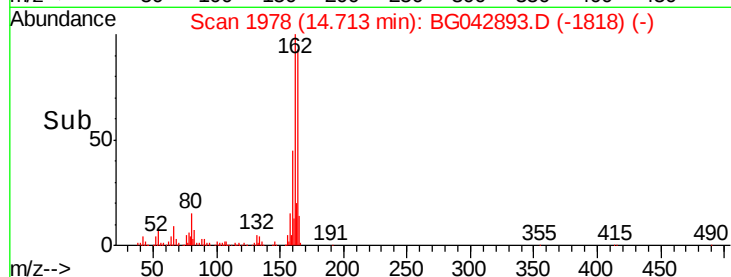
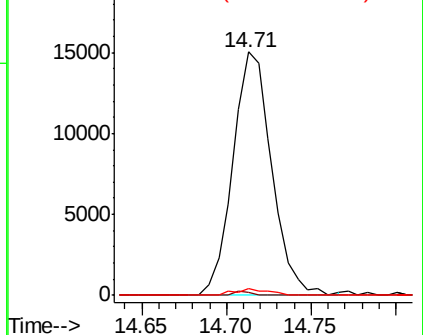
89 2.8 51.7 77.5#



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: 6.786 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.38 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Tgt Ion:165 Resp: 24025

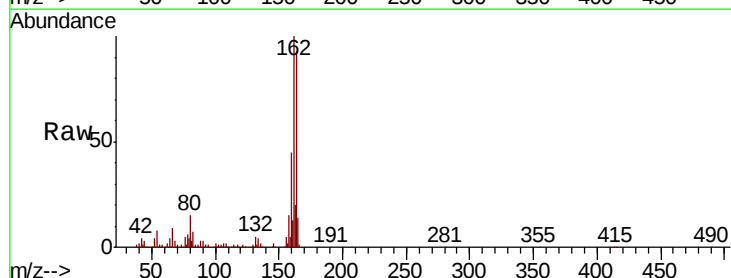
Ion Ratio Lower Upper

165 100

63 1.3 38.3 57.5#

89 2.8 58.4 87.6#

182 0.0 2.9 4.3#

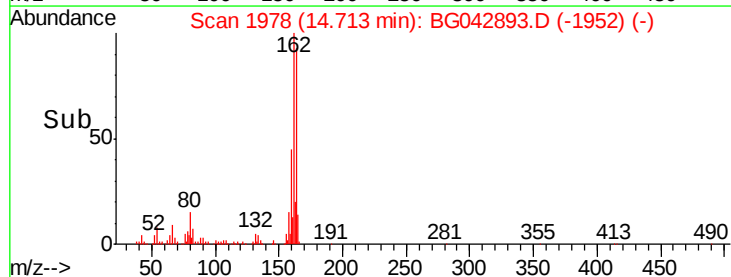
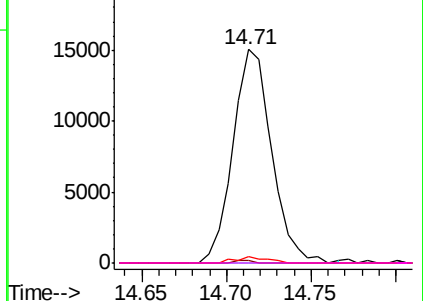


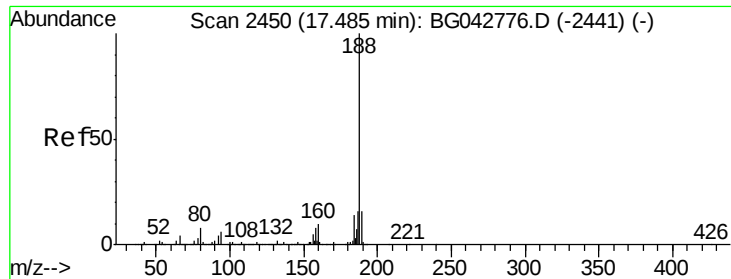
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2445

Delta R.T. -0.03 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Instrument :

BNA_G

ClientSampleId :

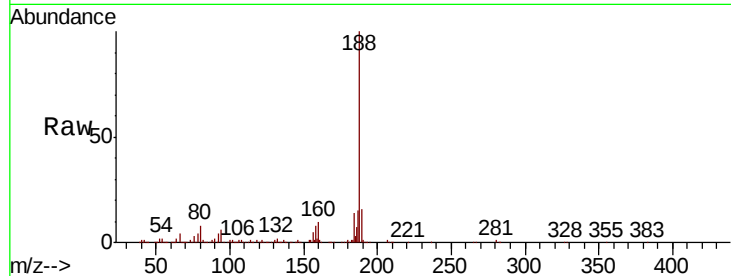
Tot Ion:188 Resp: 402755

Ion Ratio Lower Upper

188 100

94 6.0 4.8 7.2

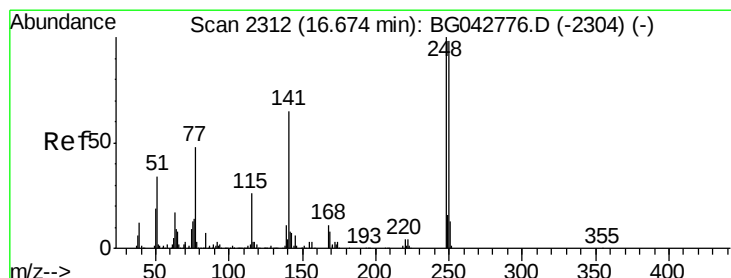
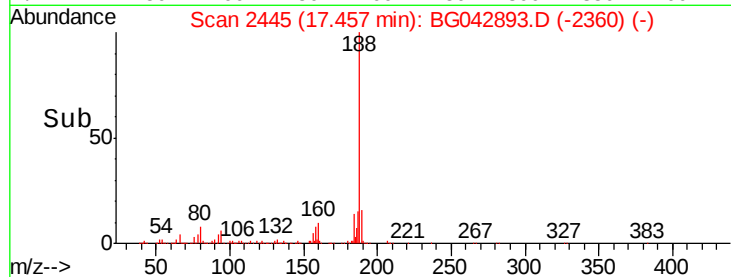
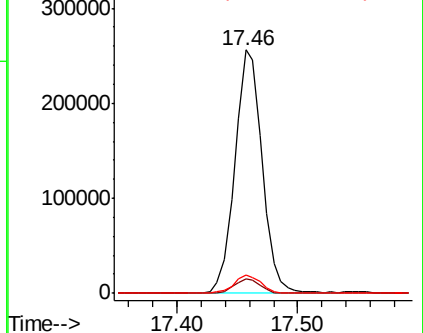
80 7.6 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.930 ng

RT: 16.21 min Scan# 2232

Delta R.T. -0.47 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

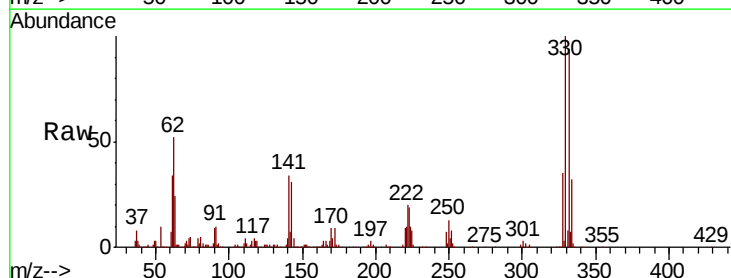
Tgt Ion:248 Resp: 24031

Ion Ratio Lower Upper

248 100

250 194.8 78.0 117.0#

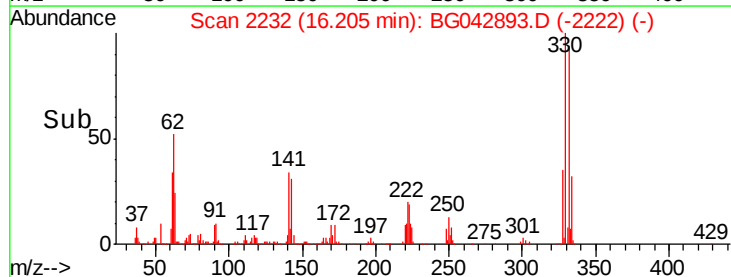
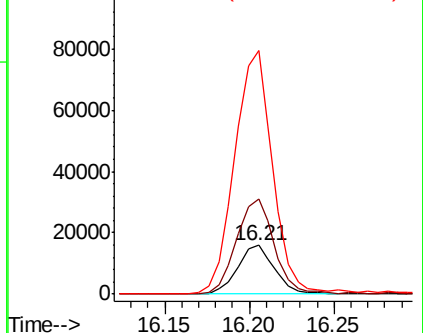
141 499.1 51.8 77.6#

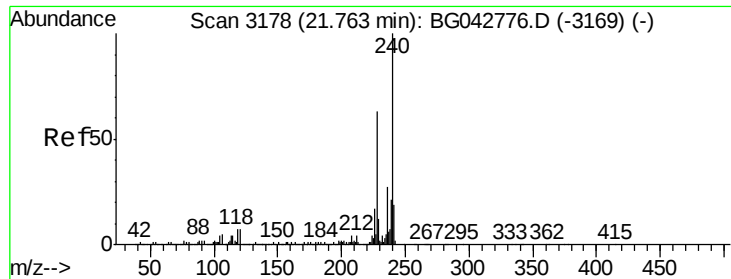


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

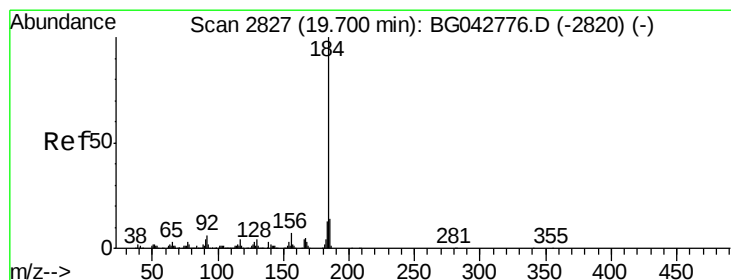
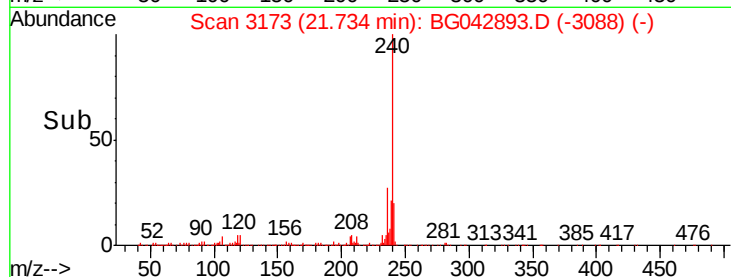
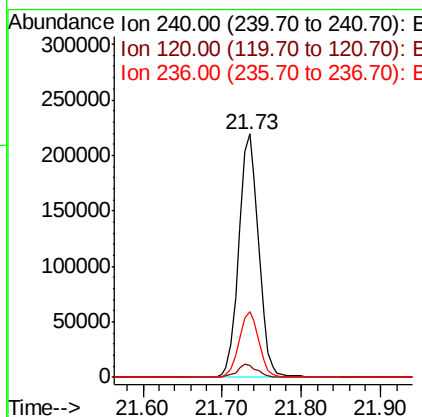
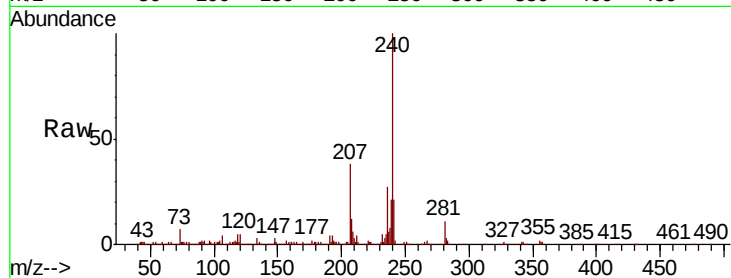




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.03 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

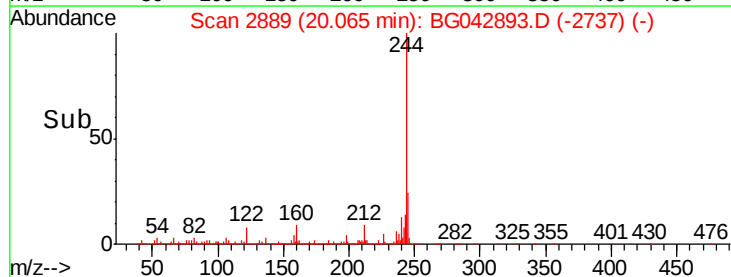
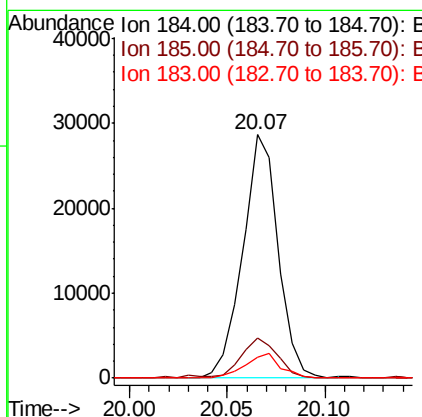
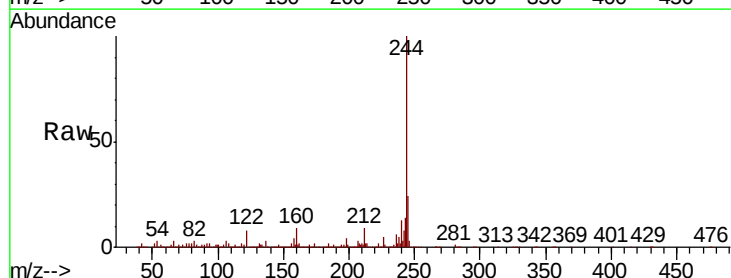
Instrument :
BNA_G
ClientSampled :

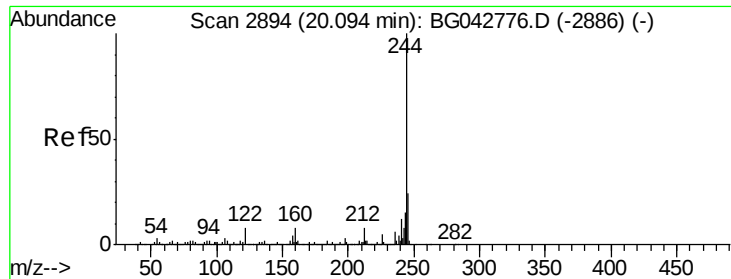
Tot Ion:240 Resp: 377879
Ion Ratio Lower Upper
240 100
120 5.0 5.4 8.2#
236 26.7 21.7 32.5



#77
Benzidine
Concen: 3.403 ng
RT: 20.07 min Scan# 2889
Delta R.T. 0.37 min
Lab File: BG042893.D
Acq: 18 Sep 2019 14:22

Tgt Ion:184 Resp: 35928
Ion Ratio Lower Upper
184 100
185 16.2 11.6 17.4
183 8.3 10.4 15.6#





#79

Terphenyl-d14

Concen: 110.431 ng

RT: 20.07 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BG042893.D

Acq: 18 Sep 2019 14:22

Instrument :

BNA_G

ClientSampleId :

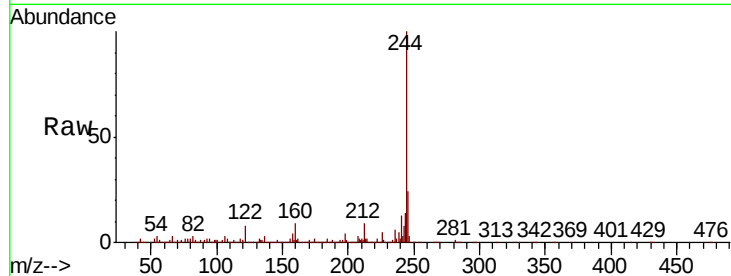
Tot Ion:244 Resp: 1882857

Ion Ratio Lower Upper

244 100

212 9.1 6.6 10.0

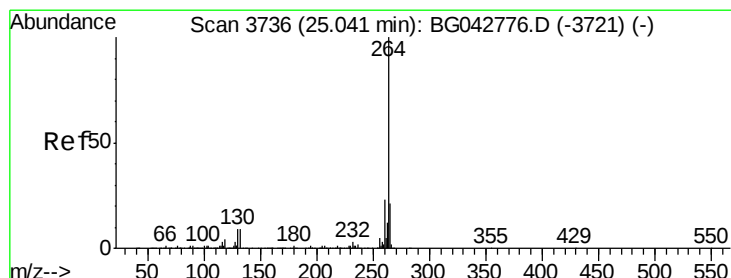
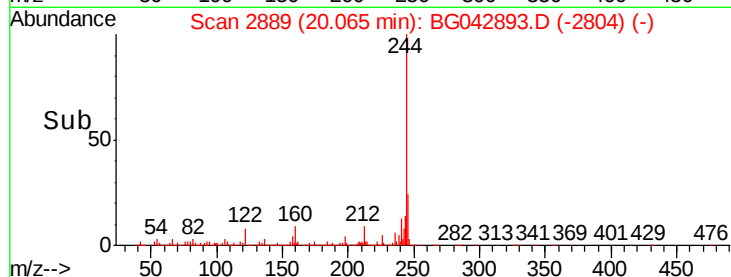
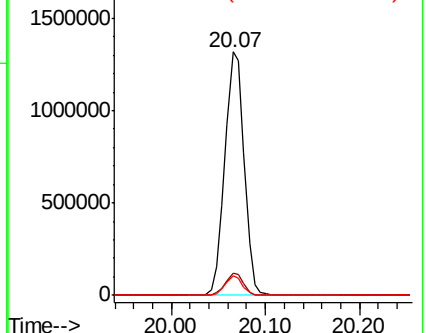
122 8.0 6.2 9.4



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: BG042893.D

Acq: 18 Sep 2019 14:22

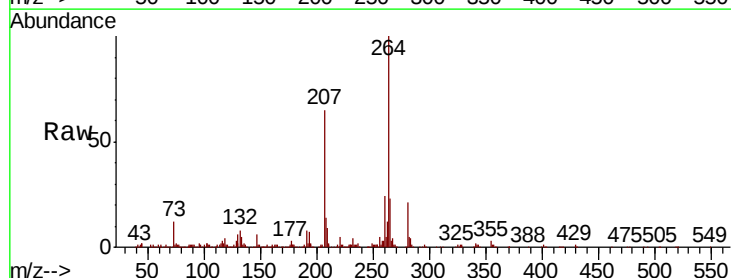
Tgt Ion:264 Resp: 394953

Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.2

265 22.8 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

