

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042894.D
 Acq On : 18 Sep 2019 15:01
 Operator : HP/JU
 Sample : K4862-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:12:29 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	56782	20.00	ng	-0.03
21) Naphthalene-d8	10.91	136	227000	20.00	ng	-0.03
39) Acenaphthene-d10	14.71	164	170437	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	391554	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	374812	20.00	ng	-0.03
87) Perylene-d12	24.99	264	392730	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	402302	123.18	ng	0.00
7) Phenol-d6	7.29	99	561562	119.79	ng	0.02
23) Nitrobenzene-d5	9.26	82	465680	106.80	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	340575	150.20	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1081207	100.42	ng	-0.03
79) Terphenyl-d14	20.06	244	1827123	108.04	ng	-0.03

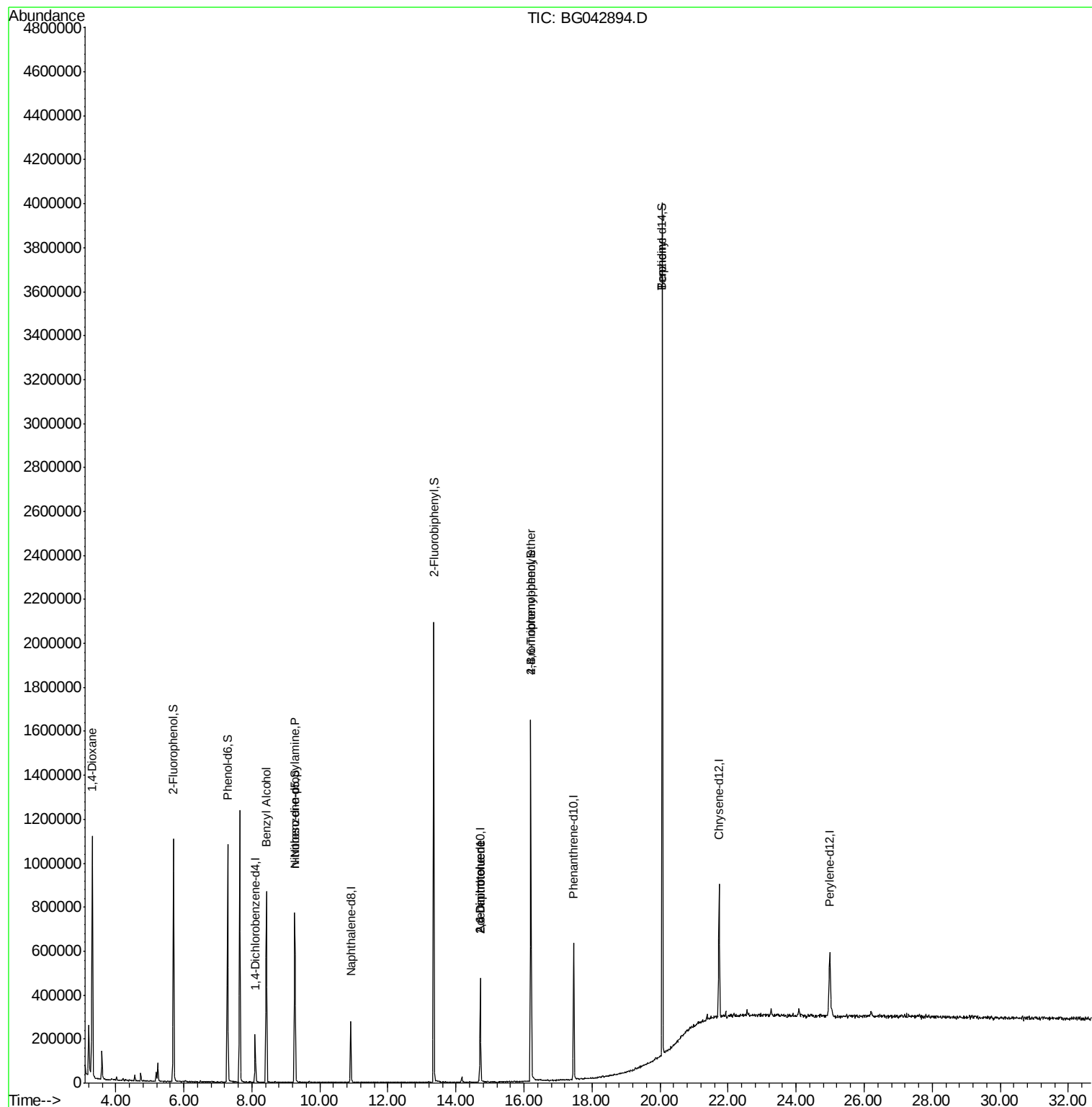
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	9514	6.383	ng	# 1
15) Benzyl Alcohol	8.43	79	8334	2.072	ng	# 43
19) n-Nitroso-di-n-propylamine	9.26	70	66278	19.187	ng	# 72
51) 2,6-Dinitrotoluene	14.72	165	23871	9.112	ng	# 20
57) 2,4-Dinitrotoluene	14.72	165	23869	6.835	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	23775	5.017	ng	# 1
77) Benzidine	20.06	184	33772	3.225	ng	# 94

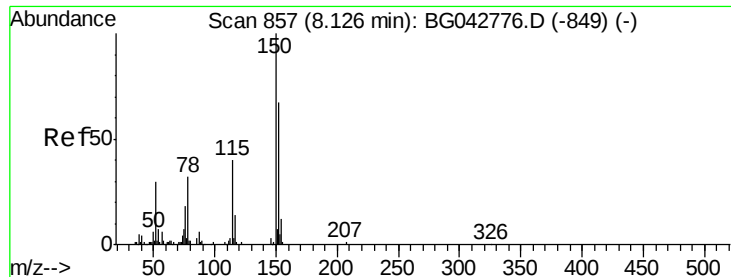
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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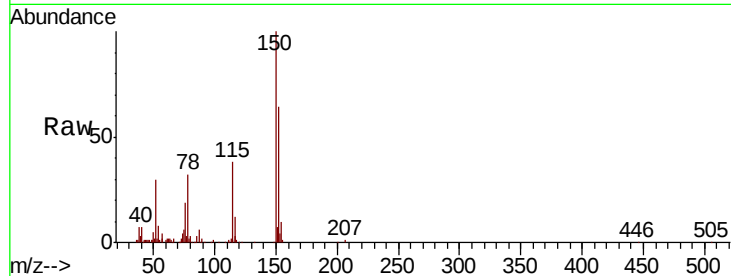


#1

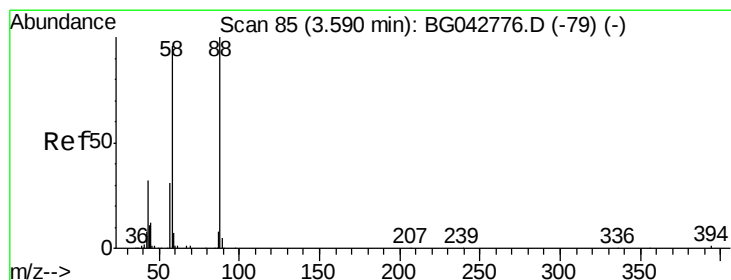
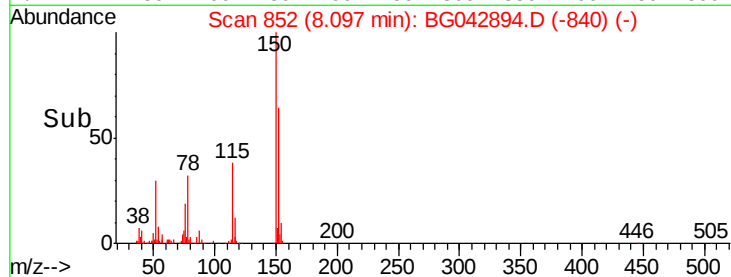
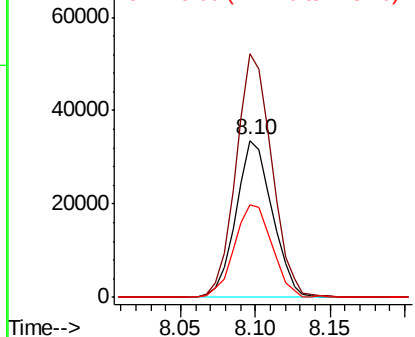
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 852
Delta R.T. -0.03 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56782
Ion Ratio Lower Upper
152 100
150 155.1 118.9 178.3
115 59.0 47.4 71.2



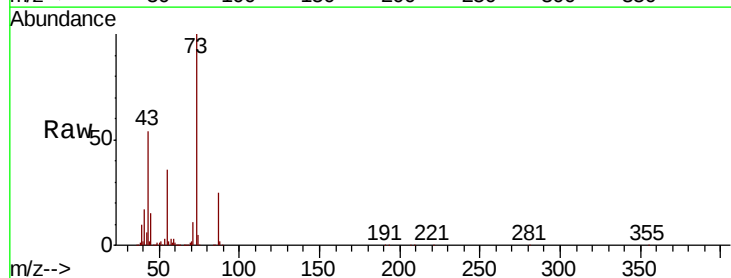
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



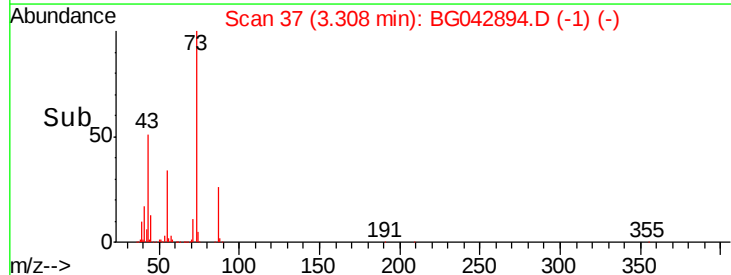
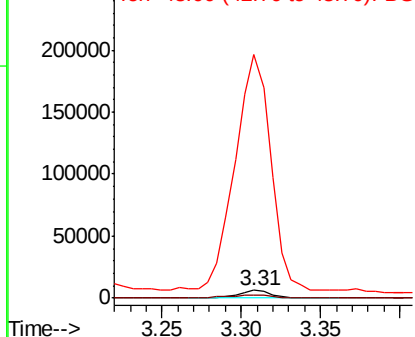
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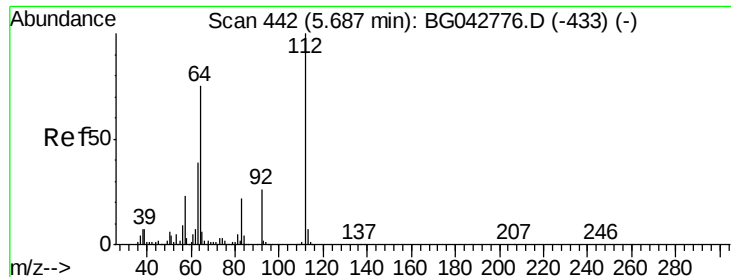
1,4-Dioxane
Concen: 6.383 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 88 Resp: 9514
Ion Ratio Lower Upper
88 100
58 45.3 79.1 118.7#
43 3123.3 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: 123.177 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.01 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

Instrument :

BNA_G

ClientSampleId :

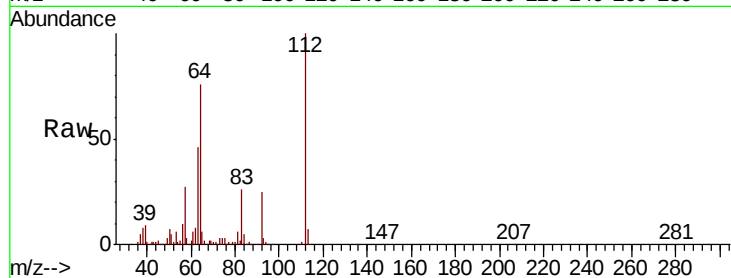
Tot Ion:112 Resp: 402302

Ion Ratio Lower Upper

112 100

64 75.8 60.2 90.2

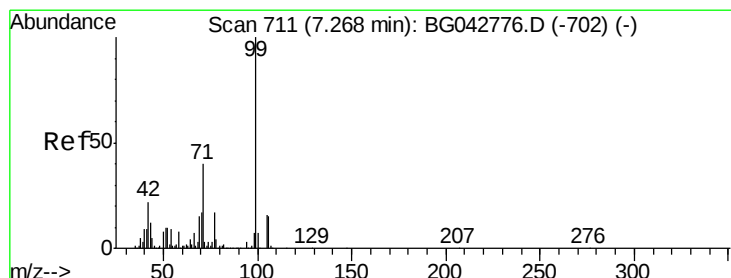
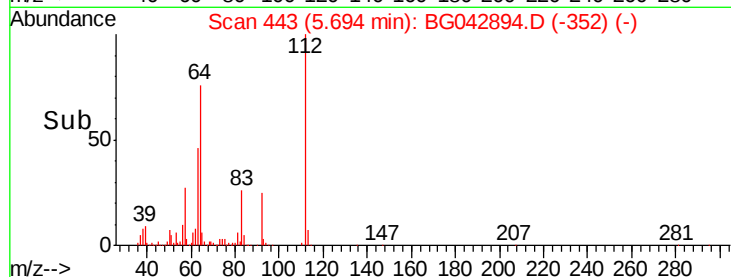
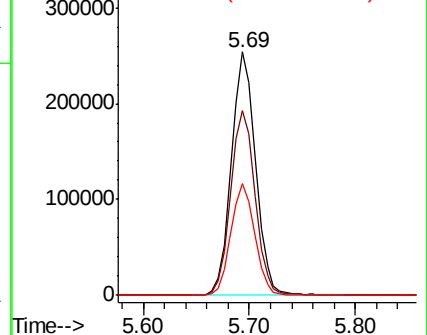
63 46.1 31.2 46.8



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: 119.790 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.02 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

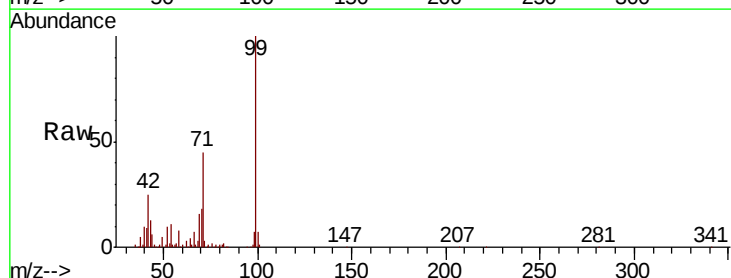
Tgt Ion: 99 Resp: 561562

Ion Ratio Lower Upper

99 100

42 24.8 17.5 26.3

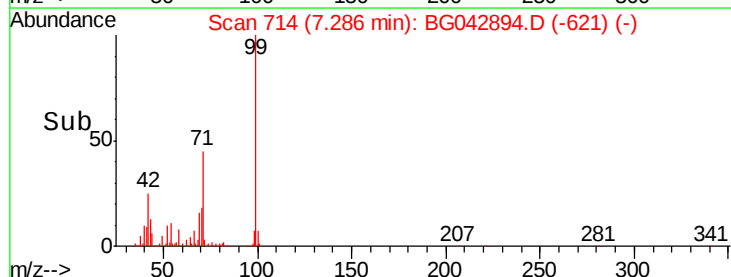
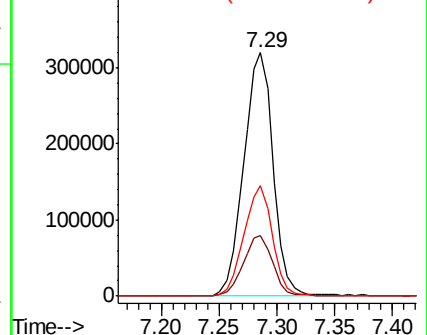
71 45.4 32.0 48.0

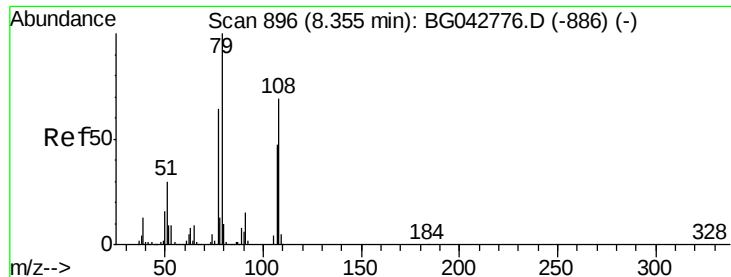


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.072 ng

RT: 8.43 min Scan# 908

Delta R.T. 0.07 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

Instrument :

BNA_G

ClientSampleId :

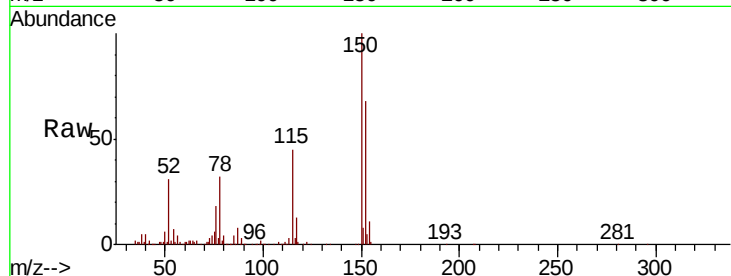
Tot Ion: 79 Resp: 8334

Ion Ratio Lower Upper

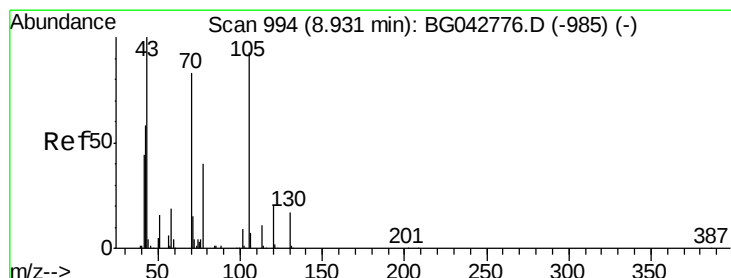
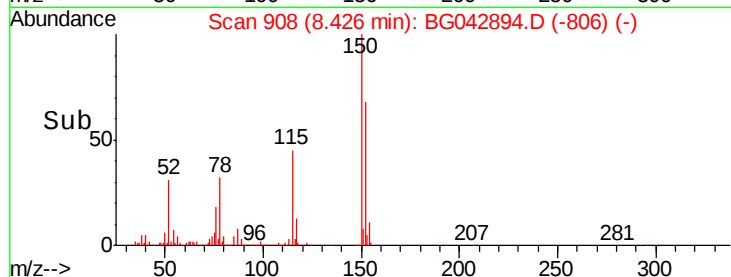
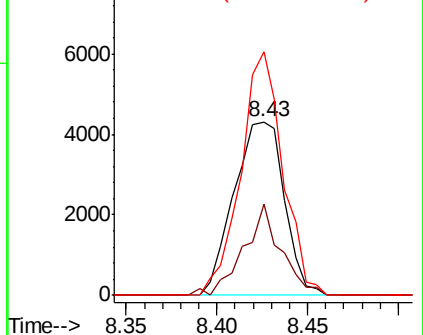
79 100

108 52.6 54.9 82.3#

77 140.1 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: 19.187 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.33 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

Tgt Ion: 70 Resp: 66278

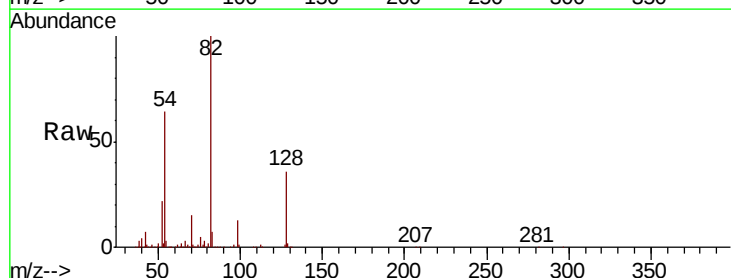
Ion Ratio Lower Upper

70 100

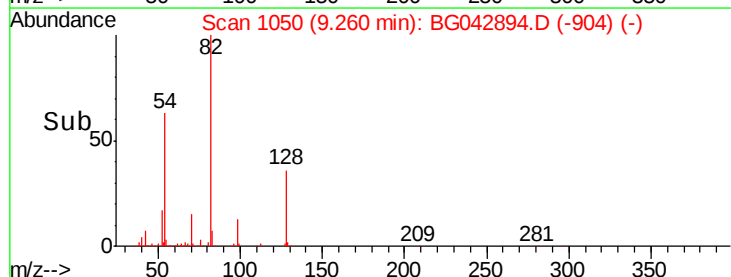
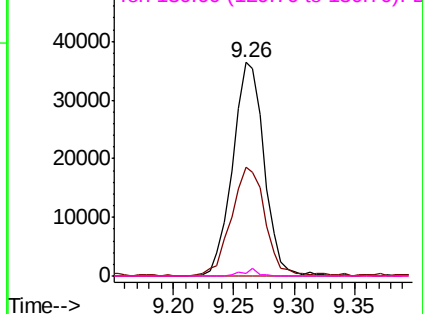
42 50.9 57.0 85.6#

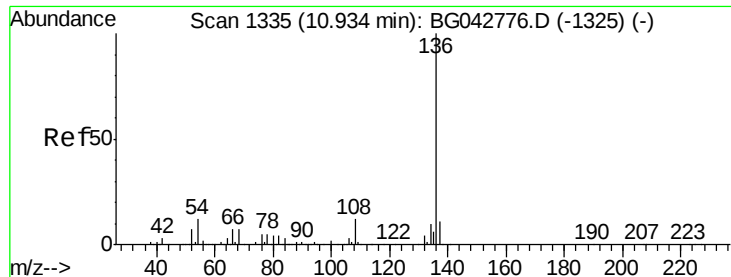
101 0.0 8.4 12.6#

130 1.4 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

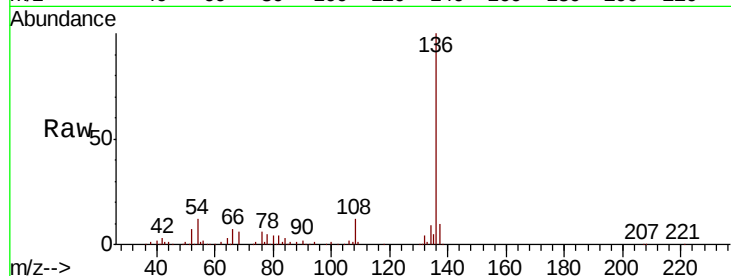




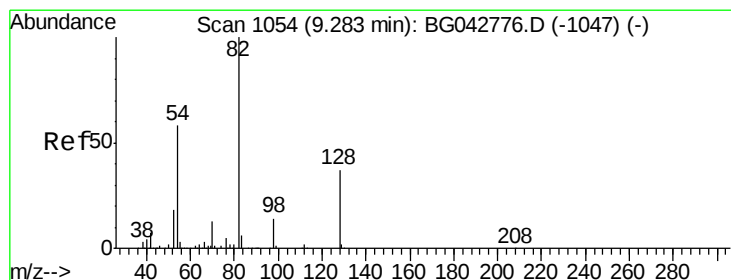
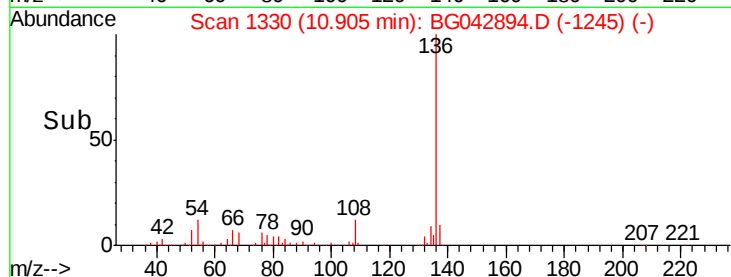
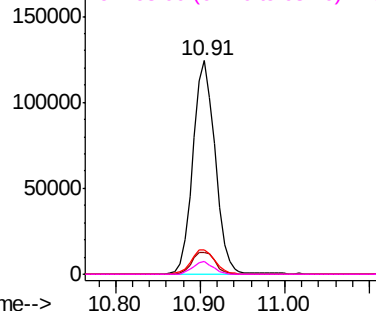
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	227000
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.0 13.6
54	11.7	9.4 14.0
68	5.9	5.4 8.2

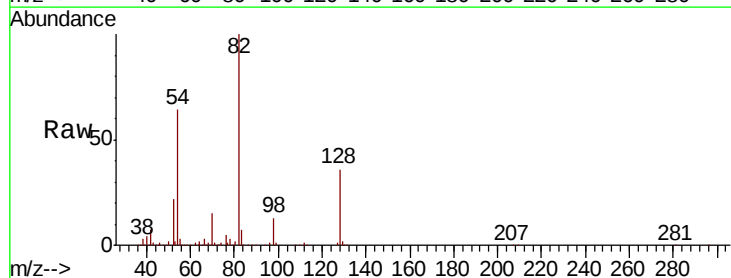


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

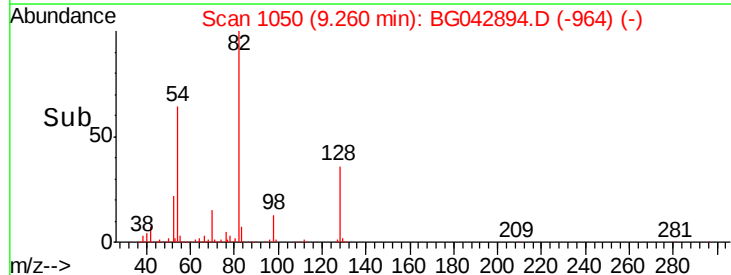
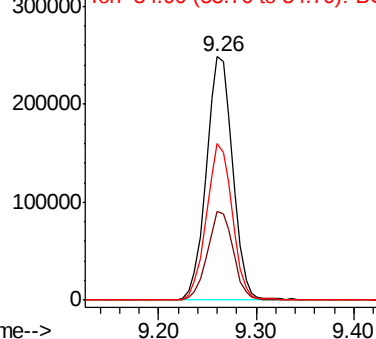


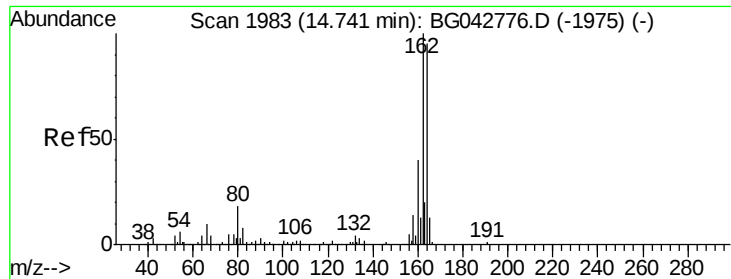
#23
Nitrobenzene-d5
Concen: 106.804 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Tgt Ion: 82	Resp:	465680
Ion Ratio	Lower	Upper
82	100	
128	36.4	29.8 44.8
54	64.2	46.1 69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

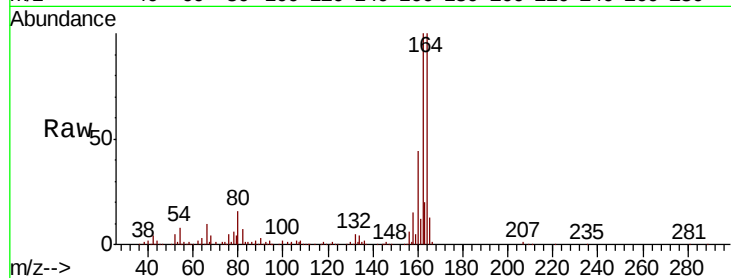




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	84.6	126.8
160	44.1	34.2	51.2

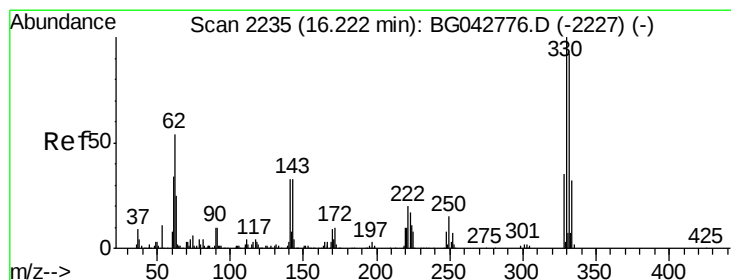
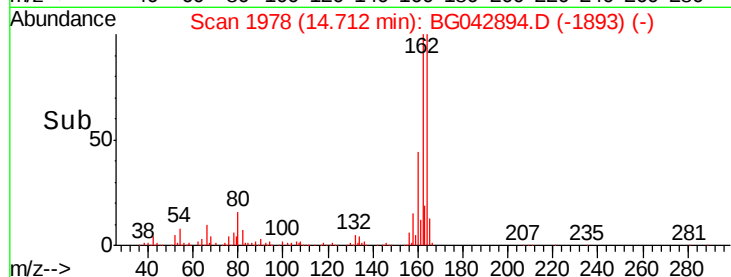
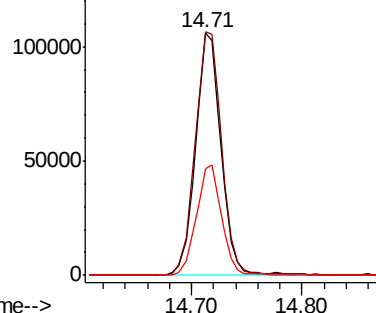


Abundance

Ion 164.00 (163.70 to 164.70): E

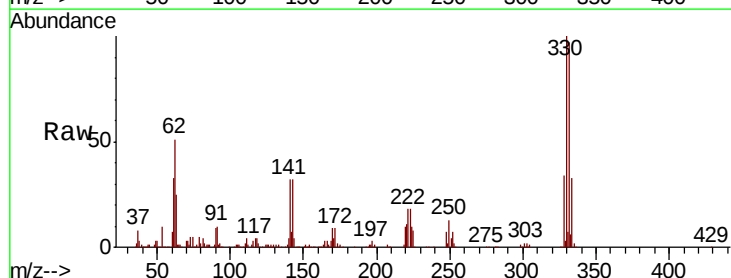
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 150.196 ng
RT: 16.20 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BG042894.D
Acq: 18 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.7	115.1
141	34.1	27.0	40.6

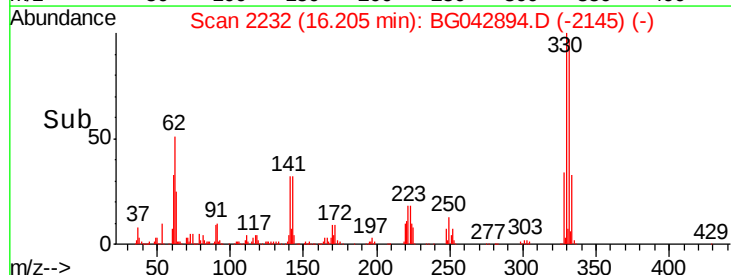
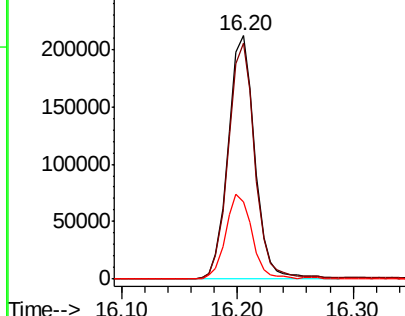


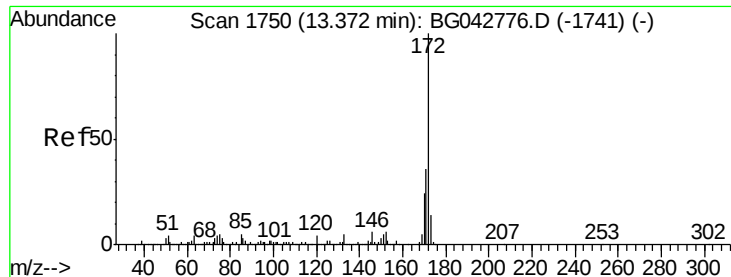
Abundance

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



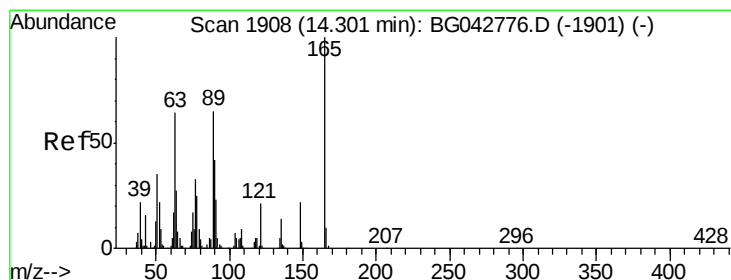
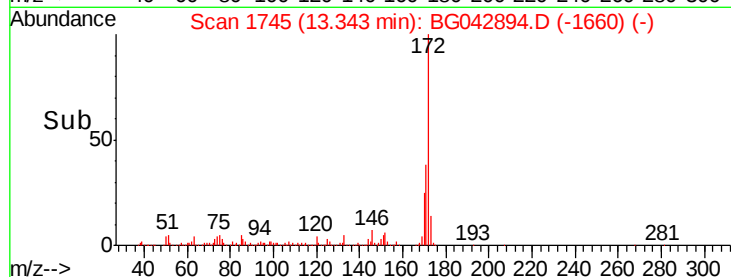
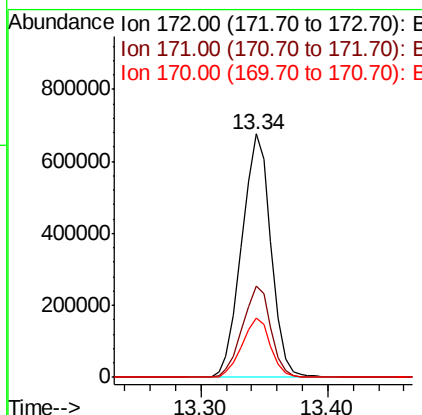
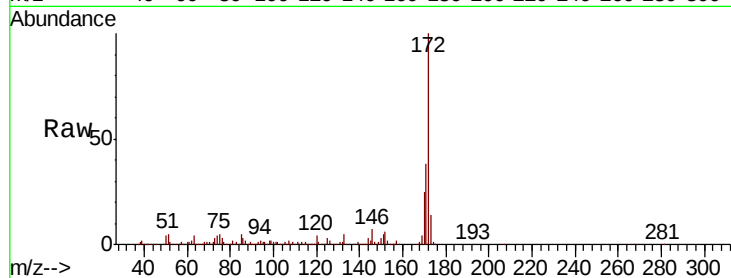


#45
 2-Fluorobiphenyl
 Concen: 100.417 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042894.D
 Acq: 18 Sep 2019 15:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1081207

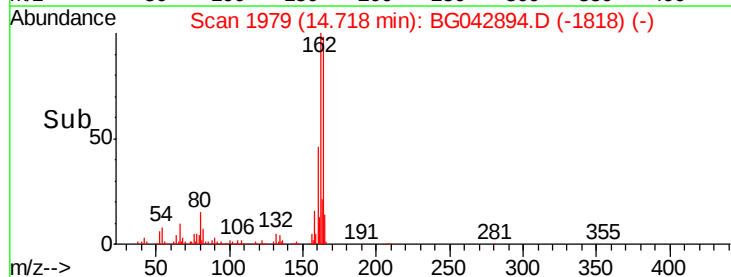
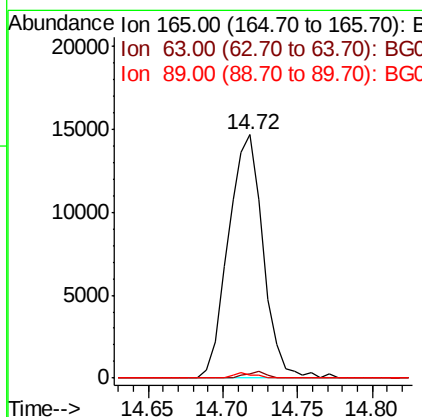
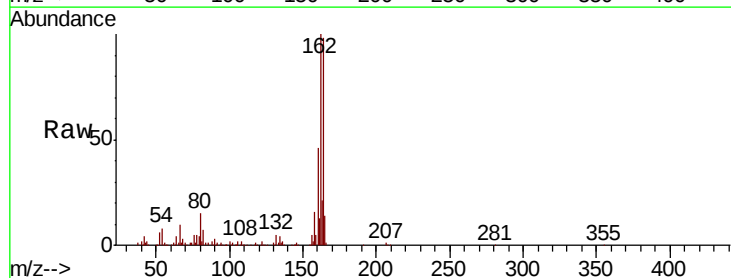
Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	24.5	19.1	28.7

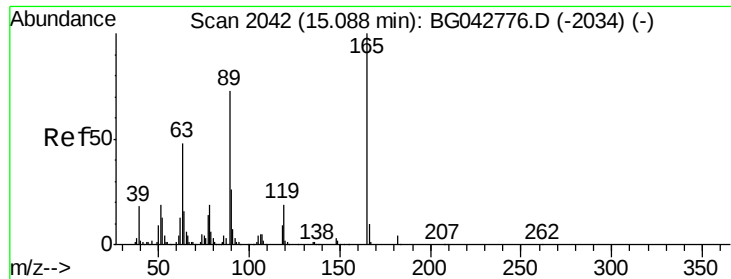


#51
 2,6-Dinitrotoluene
 Concen: 9.112 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG042894.D
 Acq: 18 Sep 2019 15:01

Tgt Ion:165 Resp: 23871

Ion	Ratio	Lower	Upper
165	100		
63	1.7	52.1	78.1#
89	1.2	51.7	77.5#

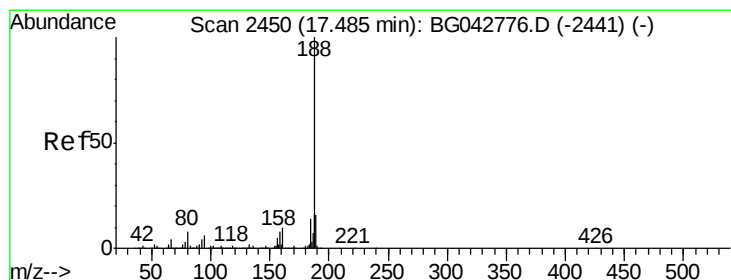
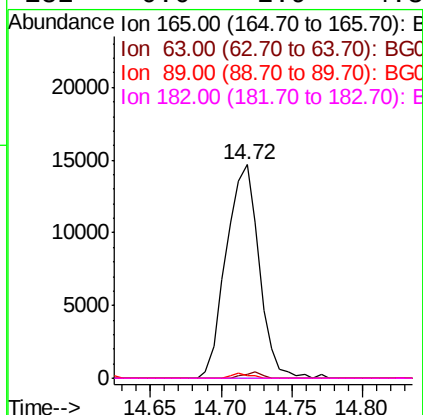
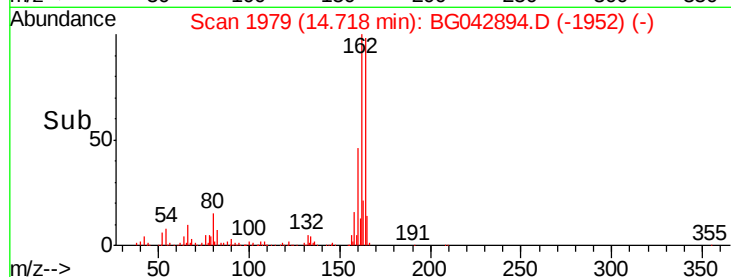
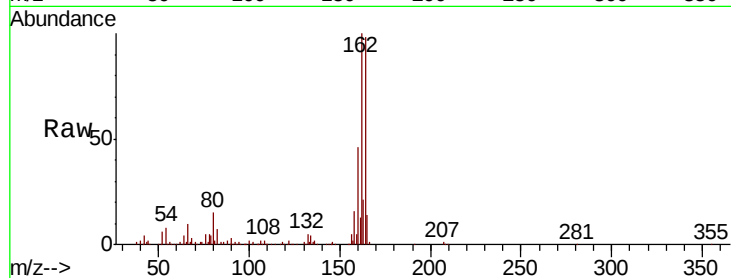




#57
 2,4-Dinitrotoluene
 Concen: 6.835 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.37 min
 Lab File: BG042894.D
 Acq: 18 Sep 2019 15:01

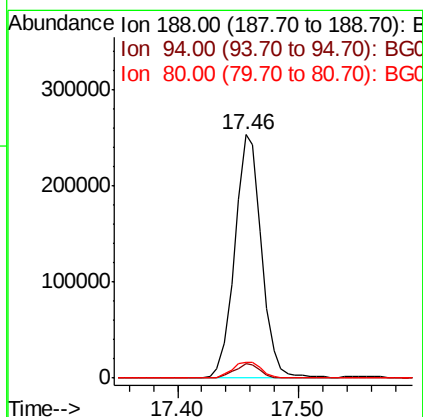
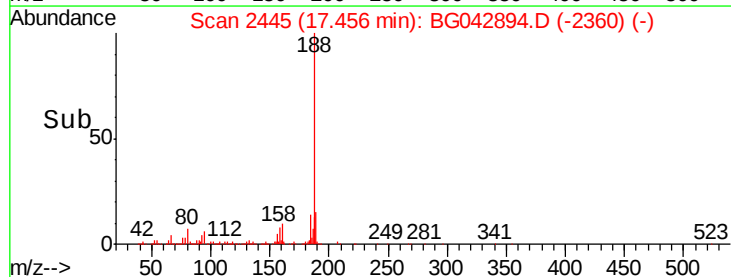
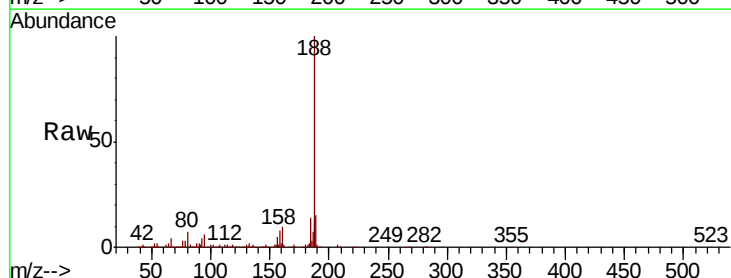
Instrument :
 BNA_G
 ClientSampleId :

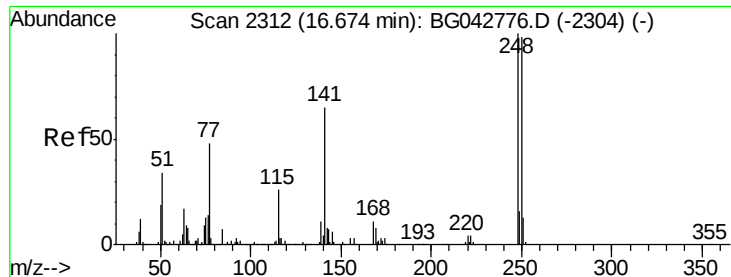
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	38.3	57.5#
89	1.2	58.4	87.6#
182	0.0	2.9	4.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2445
 Delta R.T. -0.03 min
 Lab File: BG042894.D
 Acq: 18 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.8	7.2
80	6.5	6.6	9.8#





#67

4-Bromophenyl-phenylether

Concen: 5.017 ng

RT: 16.20 min Scan# 2231

Delta R.T. -0.48 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

Instrument :

BNA_G

ClientSampled :

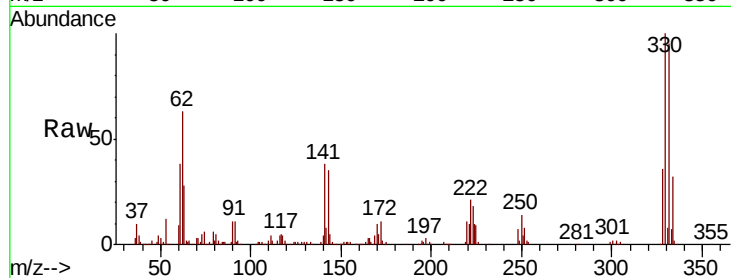
Tot Ion:248 Resp: 23775

Ion Ratio Lower Upper

248 100

250 197.3 78.0 117.0#

141 516.6 51.8 77.6#

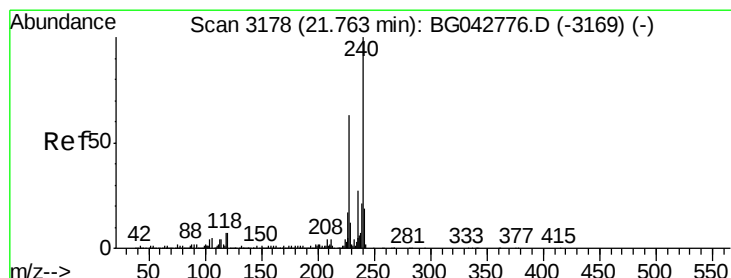
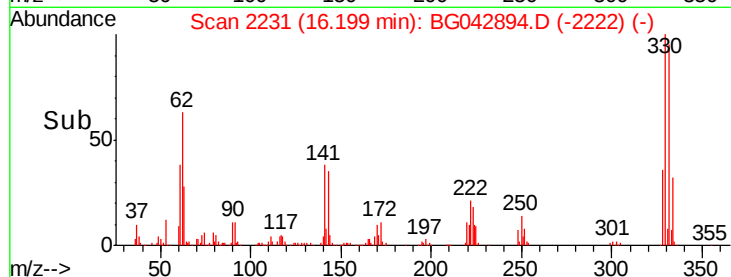
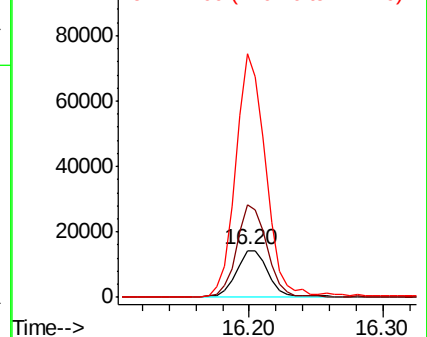


Abundance

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: BG042894.D

Acq: 18 Sep 2019 15:01

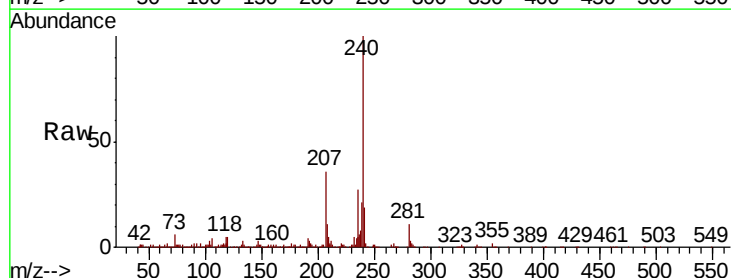
Tgt Ion:240 Resp: 374812

Ion Ratio Lower Upper

240 100

120 5.3 5.4 8.2#

236 26.8 21.7 32.5

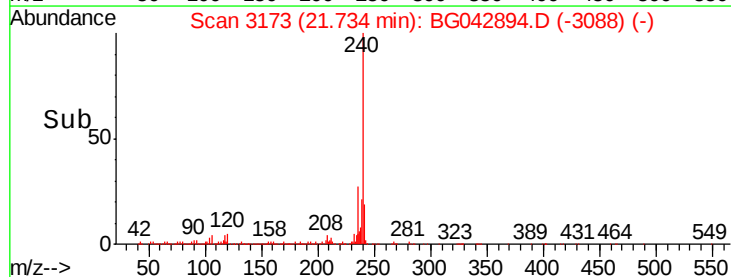
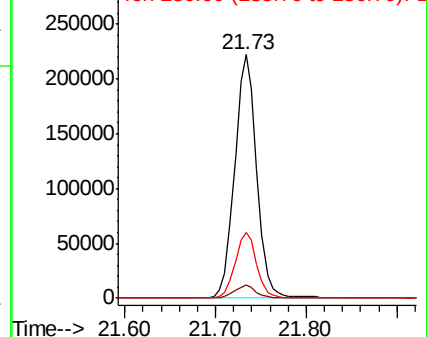


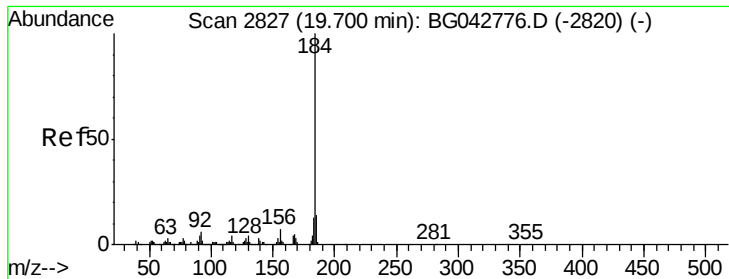
Abundance

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: 3.225 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.36 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

Instrument :

BNA_G

ClientSampleId :

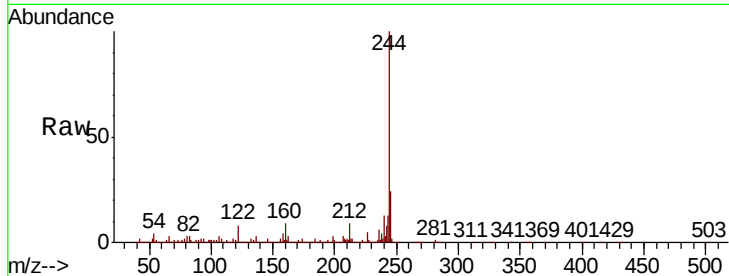
Tot Ion:184 Resp: 33772

Ion Ratio Lower Upper

184 100

185 14.4 11.6 17.4

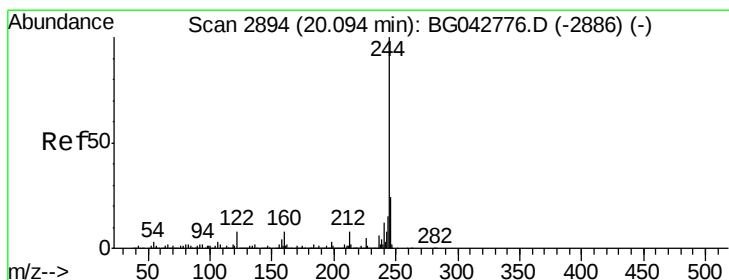
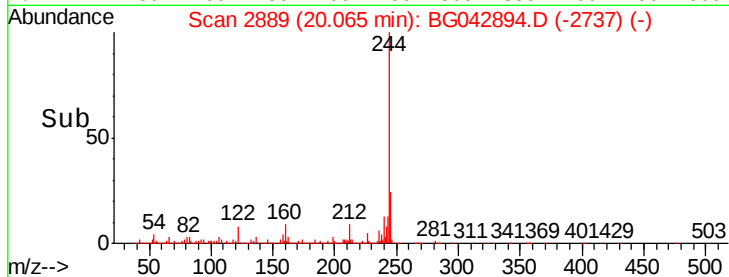
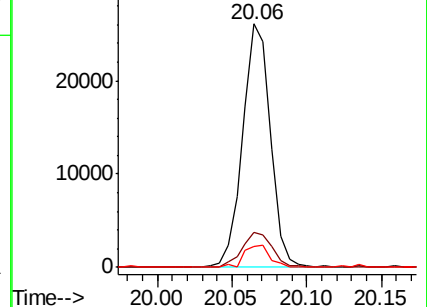
183 8.5 10.4 15.6#



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: 108.039 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BG042894.D

Acq: 18 Sep 2019 15:01

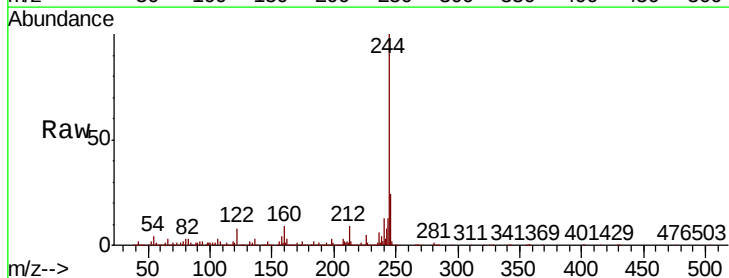
Tgt Ion:244 Resp: 1827123

Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

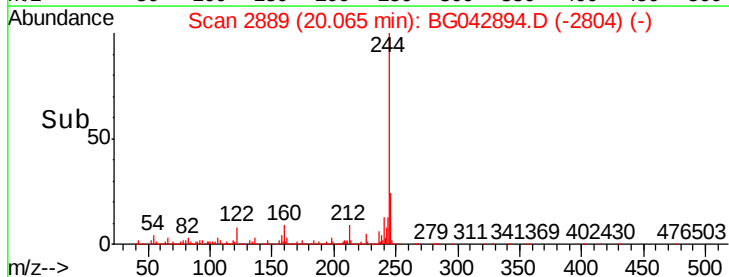
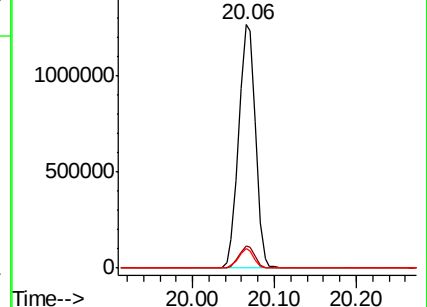
122 8.0 6.2 9.4

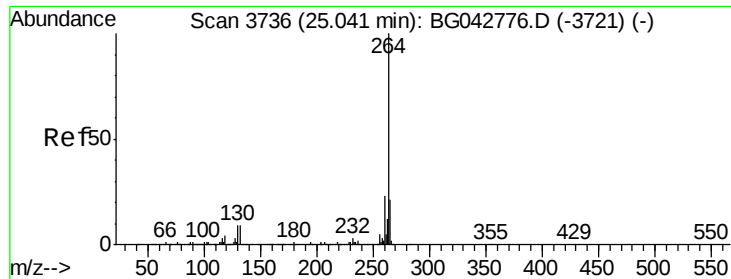


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3727
 Delta R.T. -0.05 min
 Lab File: BG042894.D
 Acq: 18 Sep 2019 15:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	23.1	16.9	25.3

