

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042899.D
 Acq On : 18 Sep 2019 18:12
 Operator : HP/JU
 Sample : K4878-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:13:48 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	54140	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	213962	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	162798	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	383843	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	355918	20.00	ng	-0.03
87) Perylene-d12	24.98	264	370619	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	392656	126.09	ng	0.00
7) Phenol-d6	7.28	99	562947	125.95	ng	0.01
23) Nitrobenzene-d5	9.26	82	457986	111.44	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	263015	121.43	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1111391	108.06	ng	-0.03
79) Terphenyl-d14	20.07	244	1835263	114.28	ng	-0.03

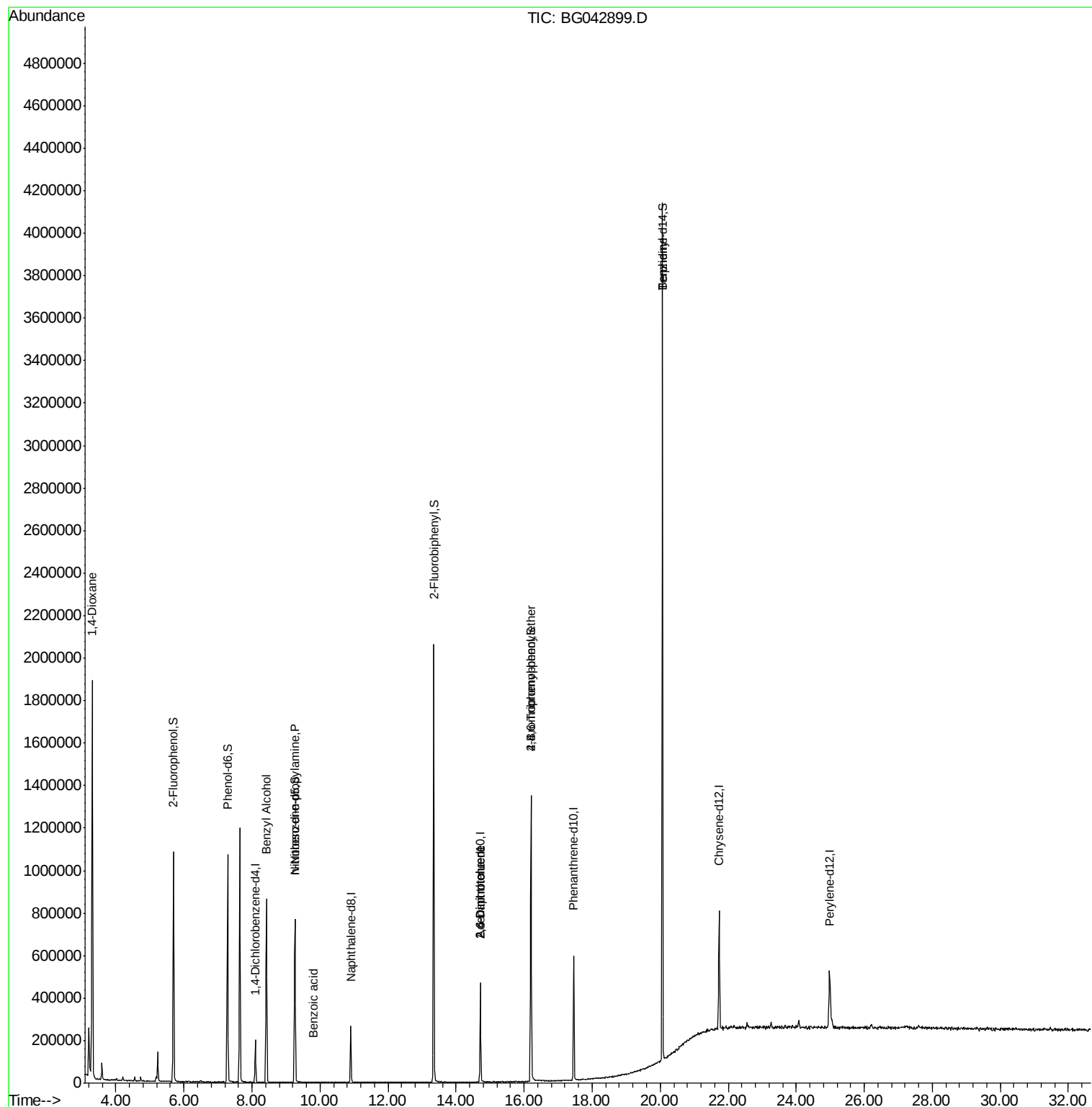
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	14401	10.133	ng	# 1
15) Benzyl Alcohol	8.42	79	8023	2.092	ng	# 55
19) n-Nitroso-di-n-propylamine	9.26	70	66993	20.340	ng	# 72
32) Benzoic acid	9.82	122	54	5.984	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	21235	8.486	ng	# 19
57) 2,4-Dinitrotoluene	14.72	165	21235	6.366	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	17686	3.807	ng	# 1
77) Benzidine	20.07	184	33777	3.397	ng	# 90

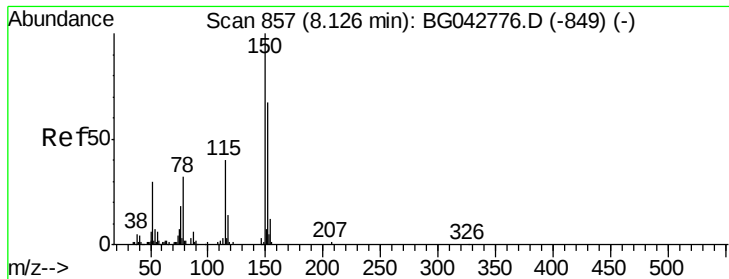
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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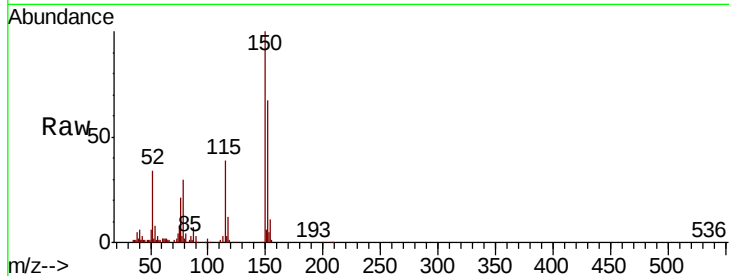


#1

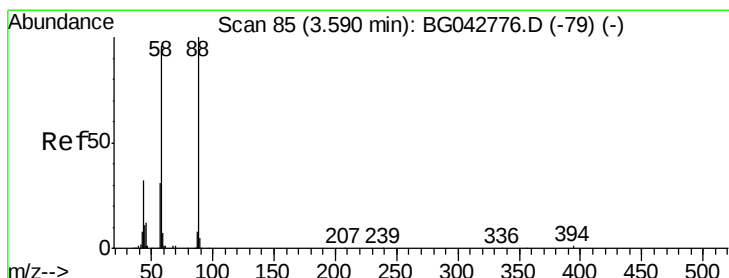
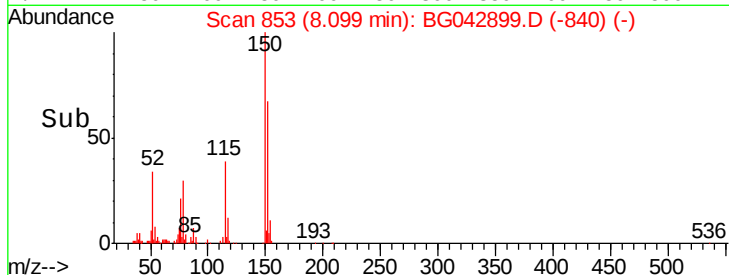
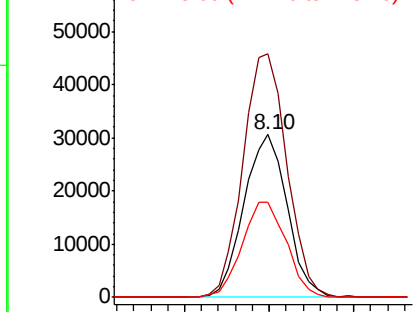
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54140
Ion Ratio Lower Upper
152 100
150 149.6 118.9 178.3
115 58.6 47.4 71.2



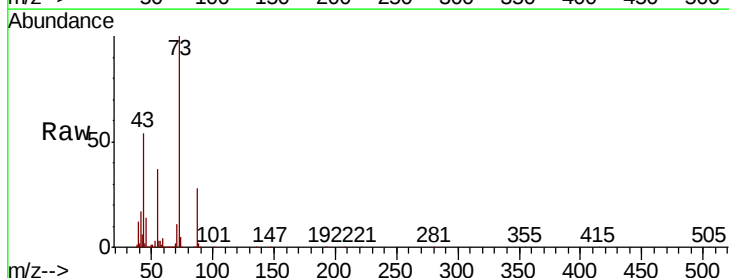
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



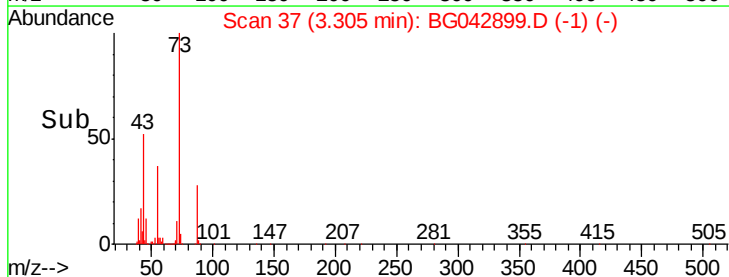
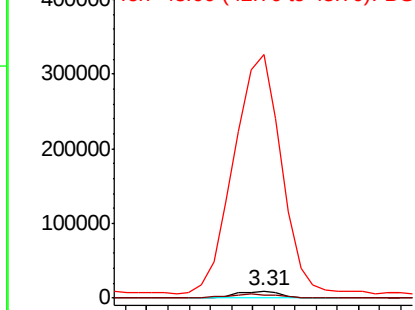
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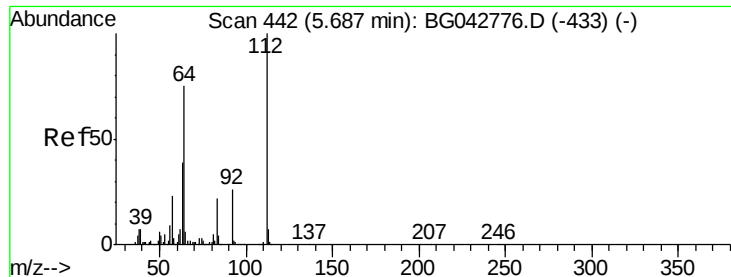
1,4-Dioxane
Concen: 10.133 ng
RT: 3.31 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Tgt Ion: 88 Resp: 14401
Ion Ratio Lower Upper
88 100
58 48.7 79.1 118.7#
43 3529.6 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: 126.090 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.00 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampleId :

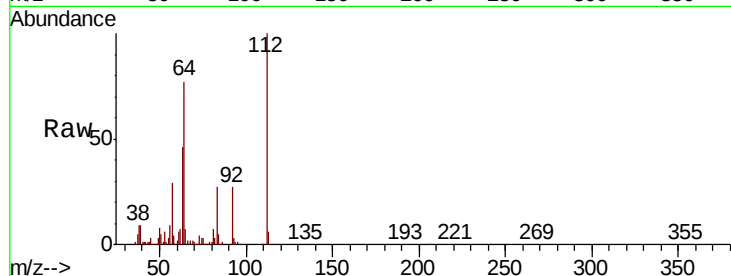
Tot Ion:112 Resp: 392656

Ion Ratio Lower Upper

112 100

64 76.6 60.2 90.2

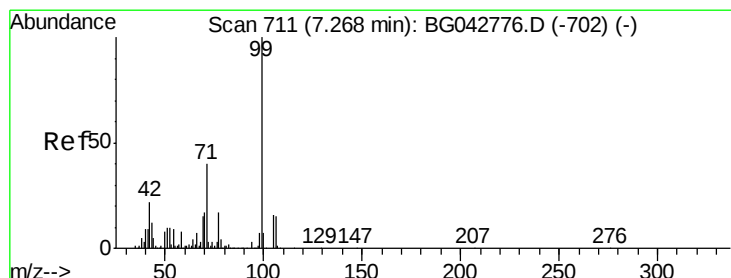
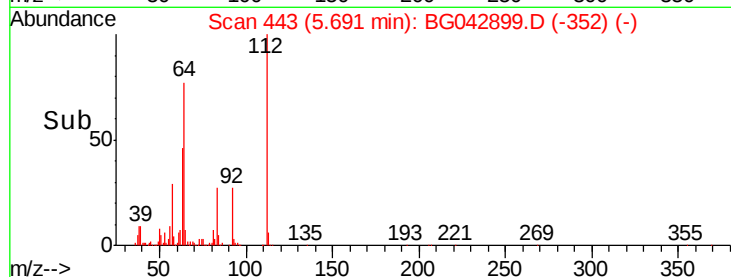
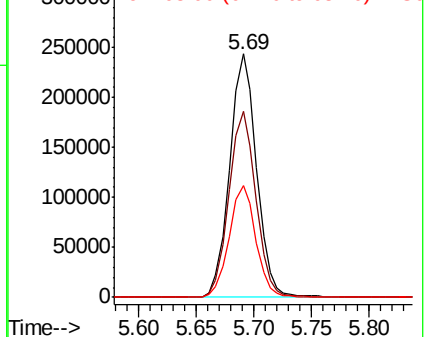
63 45.8 31.2 46.8



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: 125.945 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.01 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

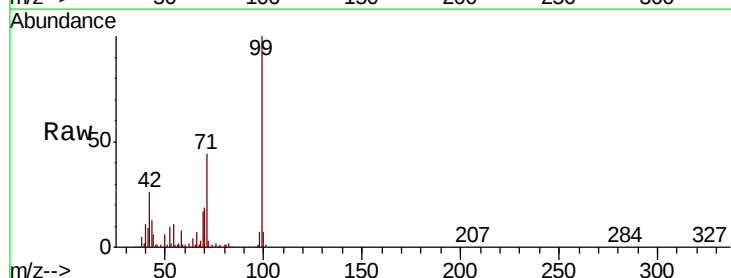
Tgt Ion: 99 Resp: 562947

Ion Ratio Lower Upper

99 100

42 26.0 17.5 26.3

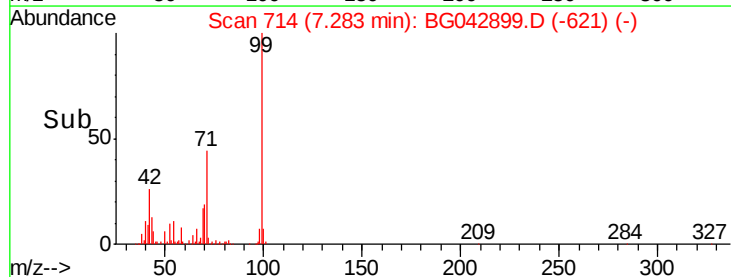
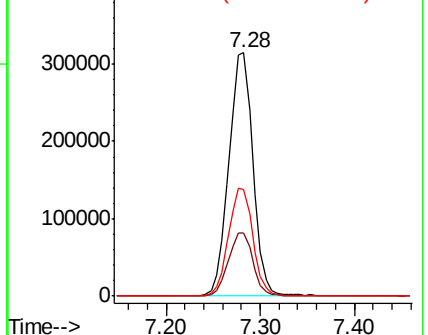
71 43.8 32.0 48.0

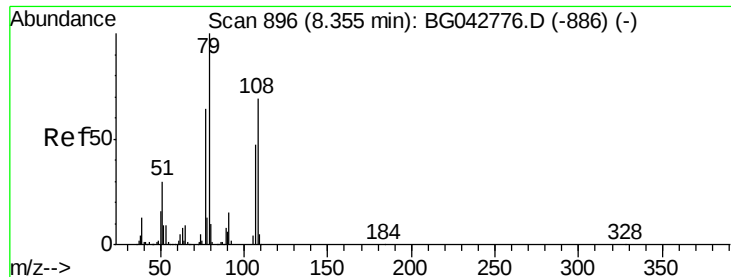


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.092 ng

RT: 8.42 min Scan# 908

Delta R.T. 0.07 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampleId :

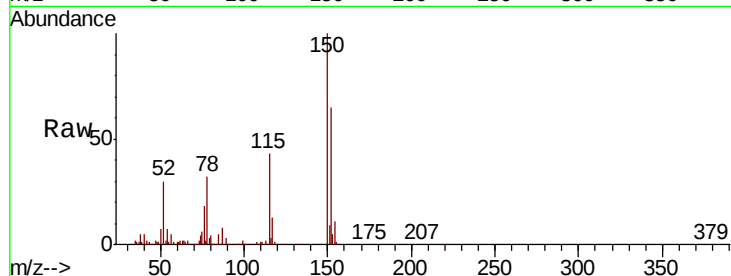
Tot Ion: 79 Resp: 8023

Ion Ratio Lower Upper

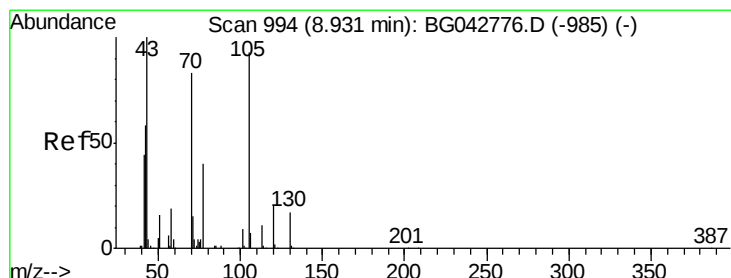
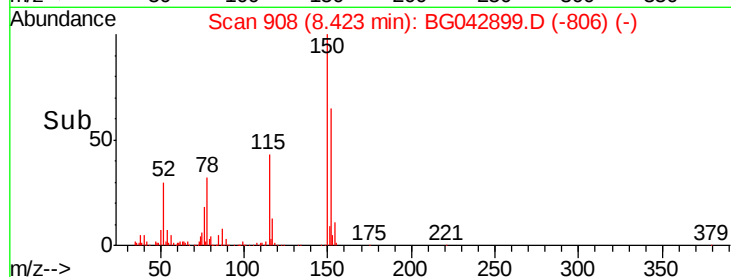
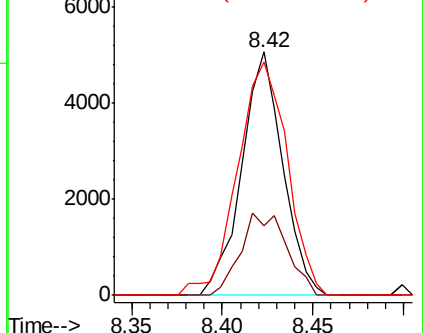
79 100

108 28.6 54.9 82.3#

77 96.0 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: 20.340 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.33 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Tgt Ion: 70 Resp: 66993

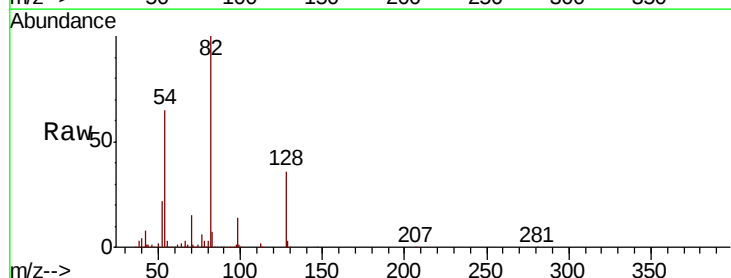
Ion Ratio Lower Upper

70 100

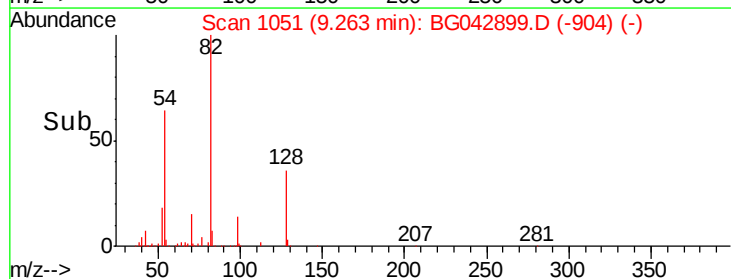
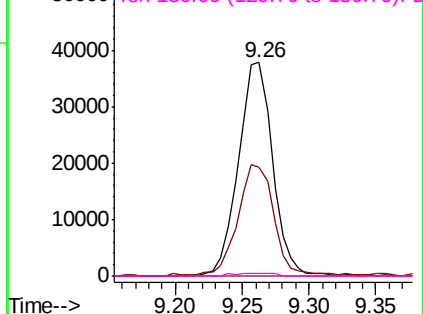
42 50.7 57.0 85.6#

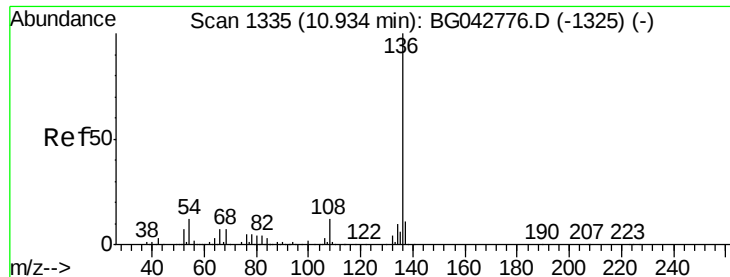
101 0.0 8.4 12.6#

130 1.5 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

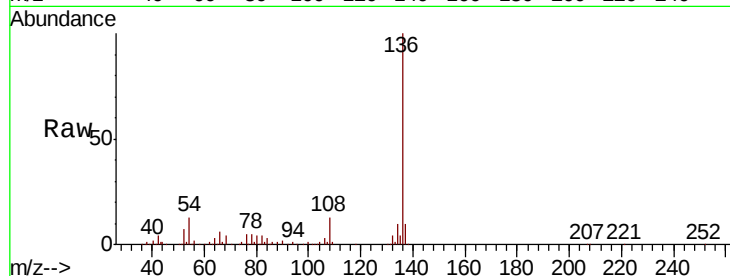




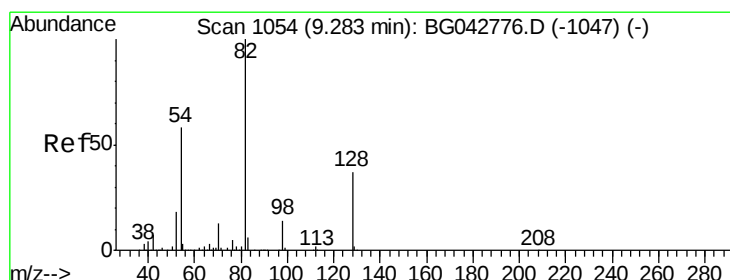
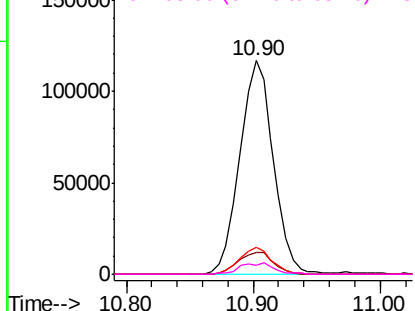
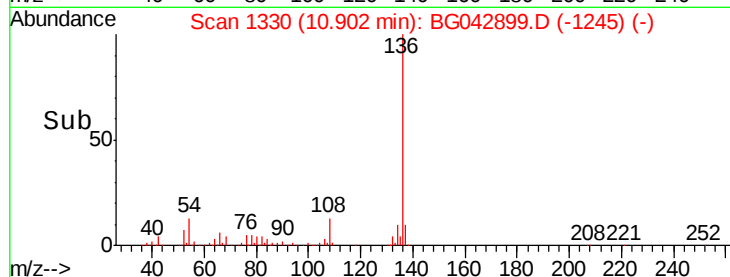
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	213962
Ion	Ratio	Lower Upper
136	100	
137	10.4	9.0 13.6
54	12.7	9.4 14.0
68	4.4	5.4 8.2#

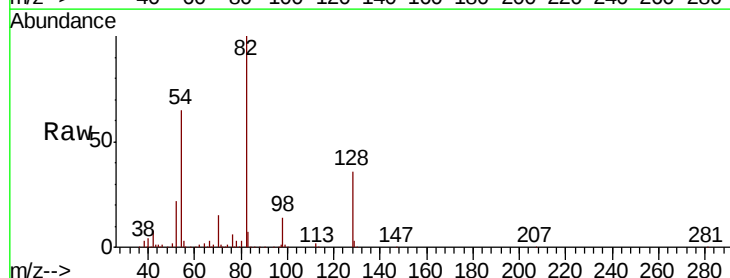


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

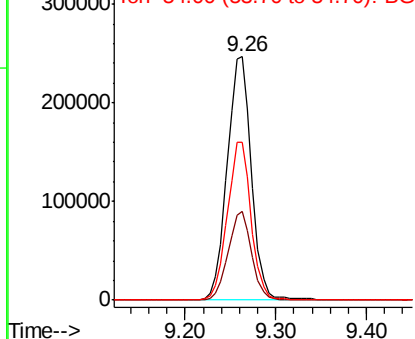
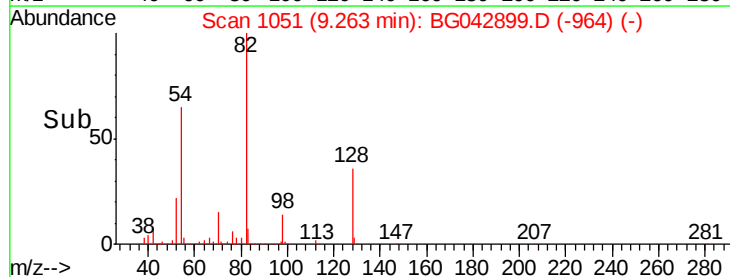


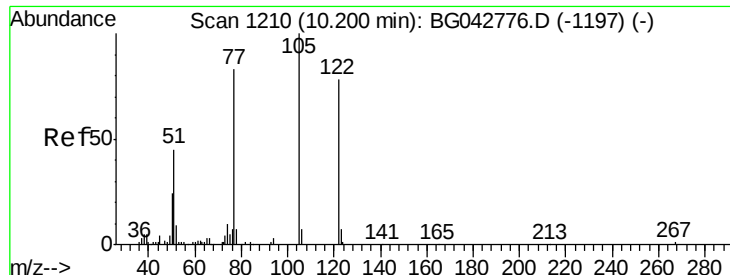
#23
Nitrobenzene-d5
Concen: 111.440 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Tgt Ion: 82	Resp:	457986
Ion	Ratio	Lower Upper
82	100	
128	36.4	29.8 44.8
54	64.7	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

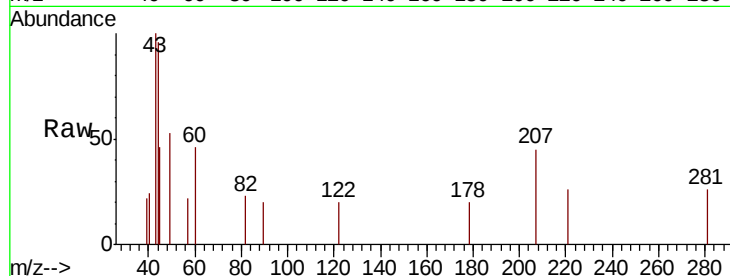




#32
Benzoic acid
Concen: 5.984 ng
RT: 9.82 min Scan# 1145
Delta R.T. -0.38 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Instrument :
BNA_G
ClientSampleId :

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

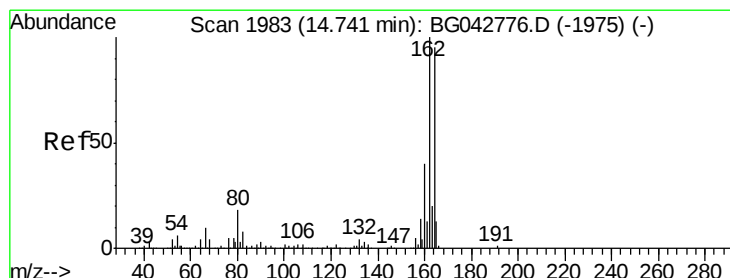
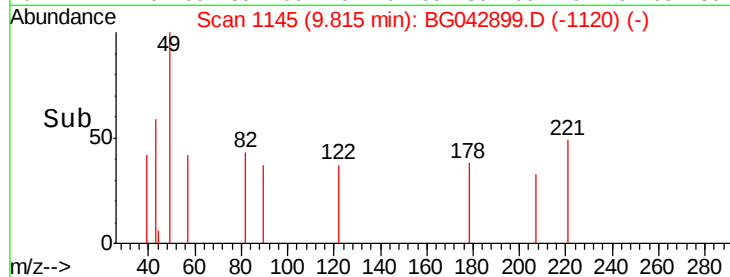
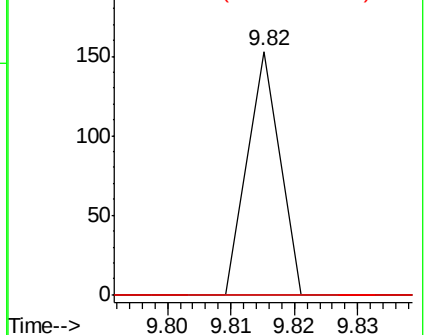


Abundance

Ion 122.00 (121.70 to 122.70): E

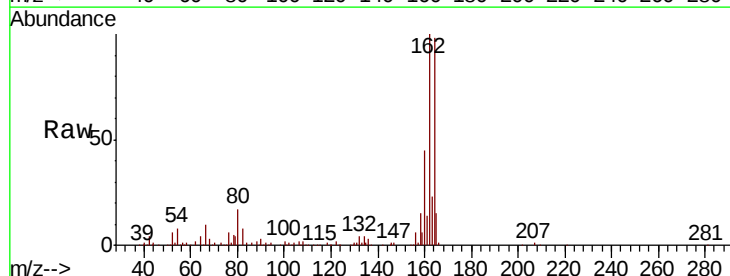
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.03 min
Lab File: BG042899.D
Acq: 18 Sep 2019 18:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	84.6	126.8
160	45.5	34.2	51.2

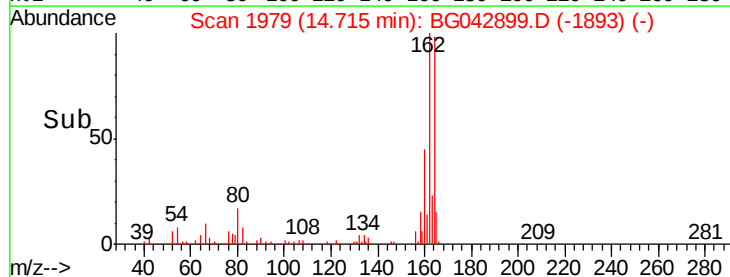
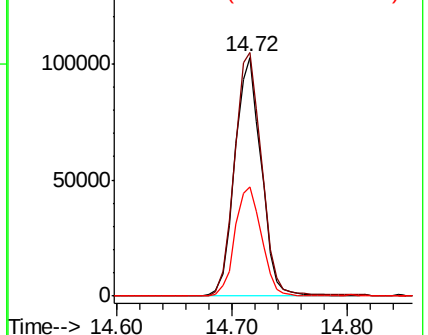


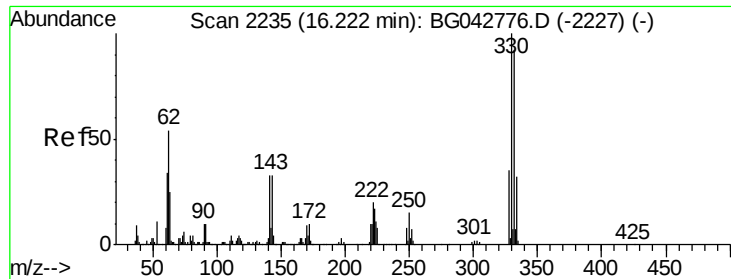
Abundance

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: 121.434 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampled :

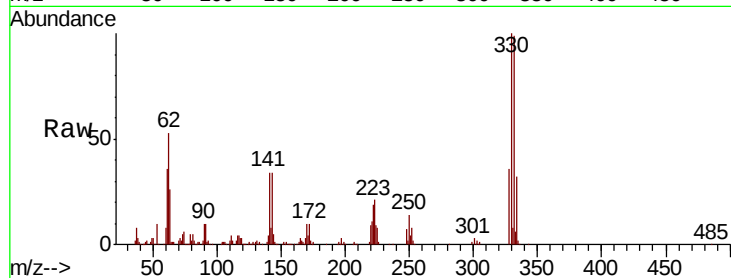
Tot Ion:330 Resp: 263015

Ion Ratio Lower Upper

330 100

332 96.7 76.7 115.1

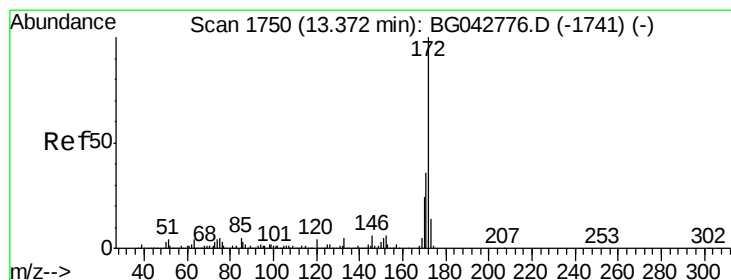
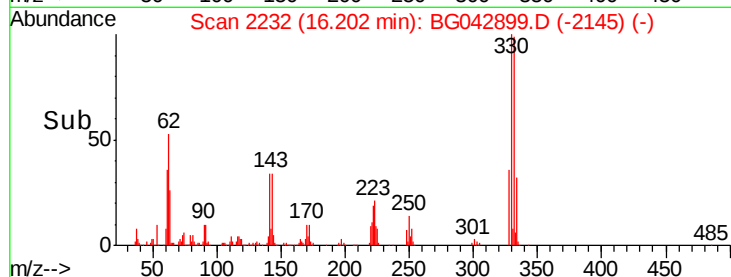
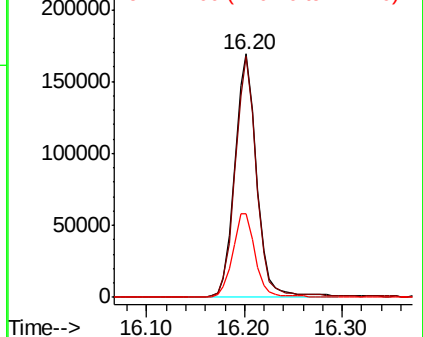
141 35.5 27.0 40.6



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: 108.064 ng

RT: 13.34 min Scan# 1745

Delta R.T. -0.03 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

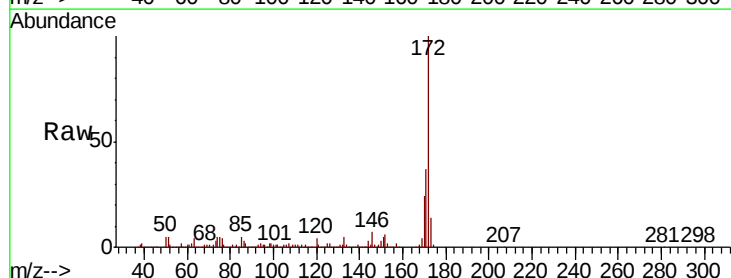
Tgt Ion:172 Resp: 1111391

Ion Ratio Lower Upper

172 100

171 37.4 28.9 43.3

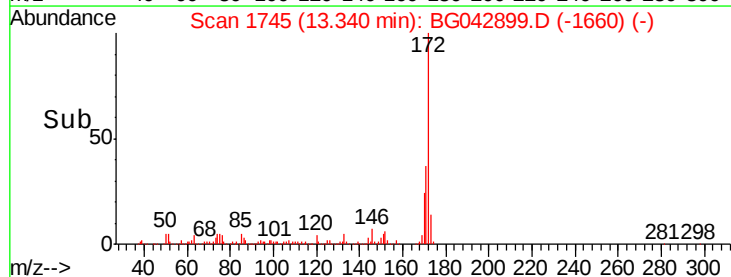
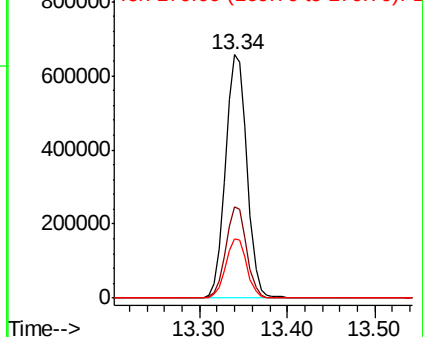
170 24.3 19.1 28.7

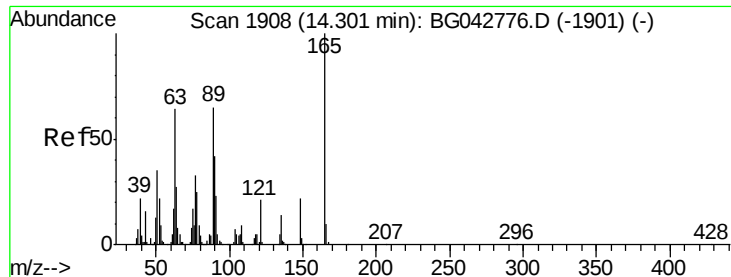


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.486 ng

RT: 14.72 min Scan# 1979

Delta R.T. 0.41 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampleId :

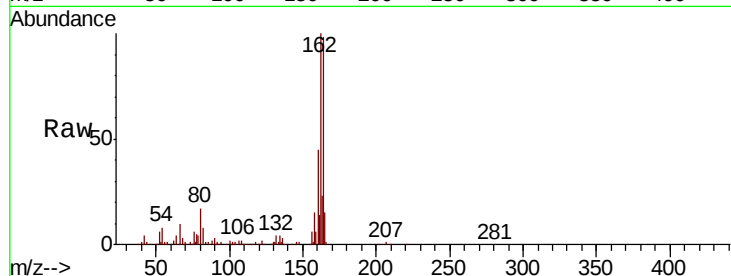
Tot Ion:165 Resp: 21235

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

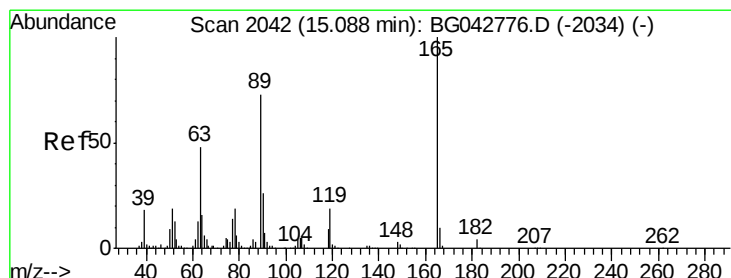
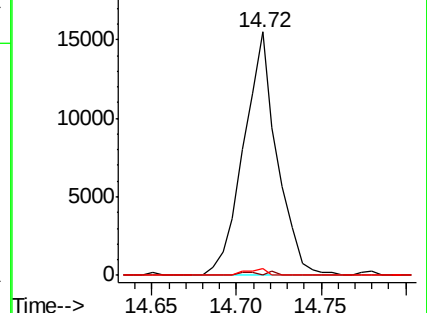
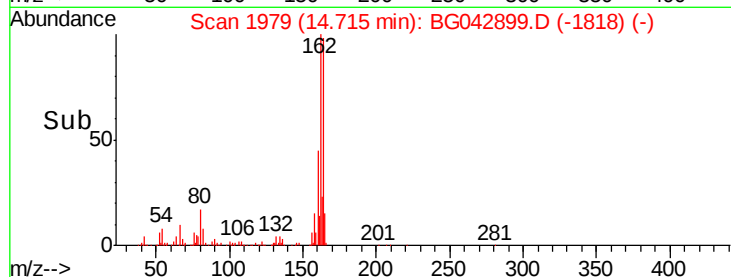
89 2.6 51.7 77.5#



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: 6.366 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

Tgt Ion:165 Resp: 21235

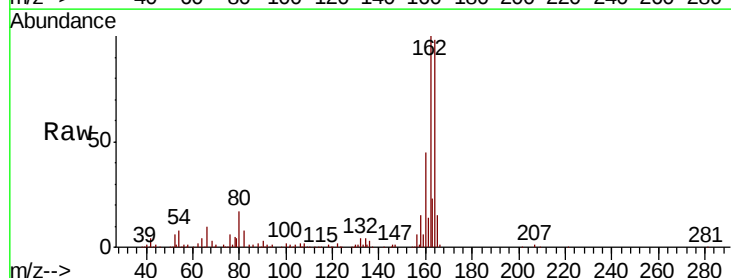
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 2.6 58.4 87.6#

182 0.0 2.9 4.3#

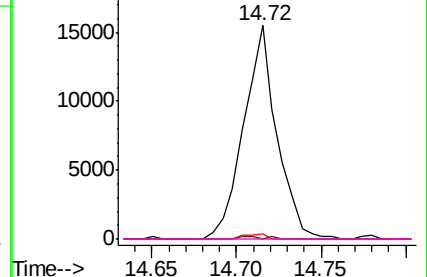
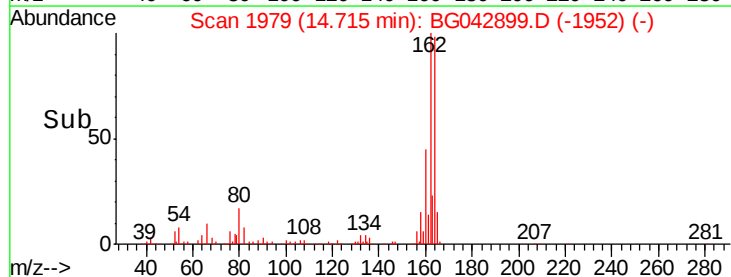


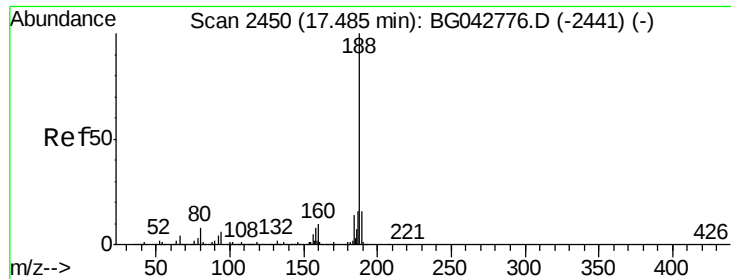
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampleId :

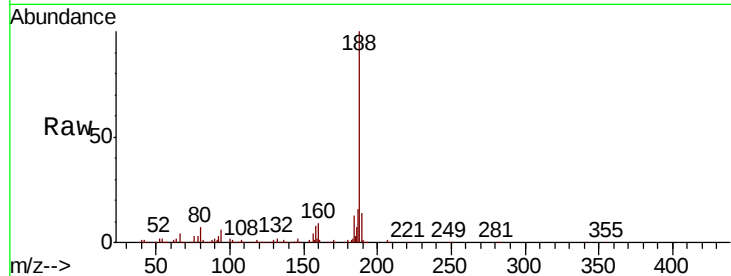
Tot Ion:188 Resp: 383843

Ion Ratio Lower Upper

188 100

94 6.0 4.8 7.2

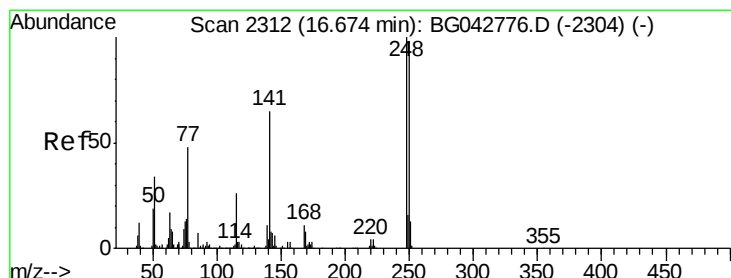
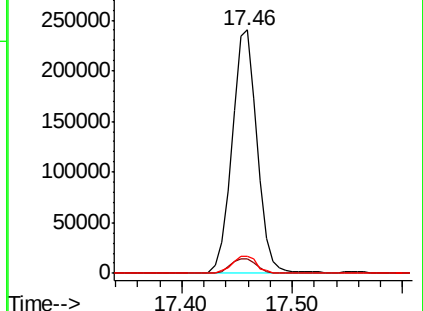
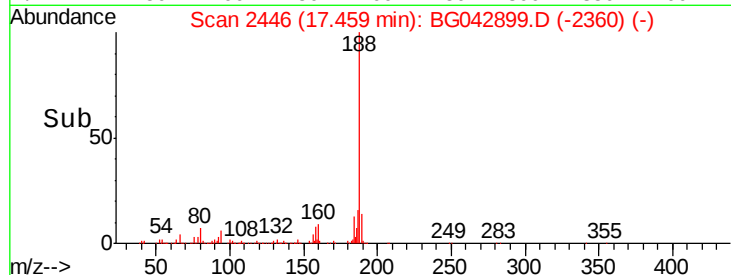
80 7.2 6.6 9.8



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: 3.807 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.47 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

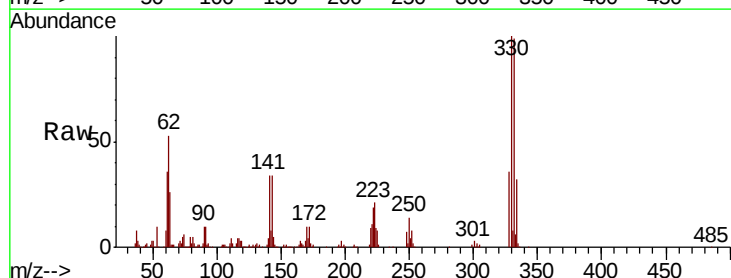
Tgt Ion:248 Resp: 17686

Ion Ratio Lower Upper

248 100

250 148.3 78.0 117.0#

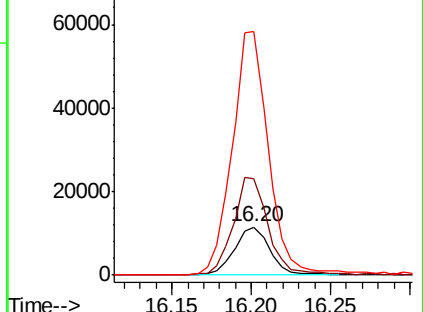
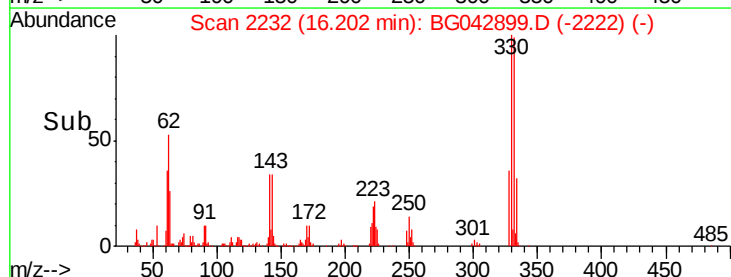
141 376.9 51.8 77.6#

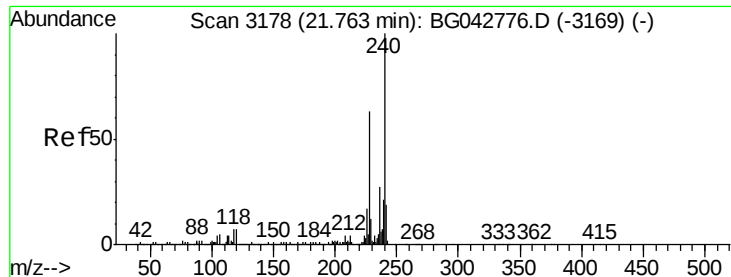


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG042899.D

Acq: 18 Sep 2019 18:12

Instrument :

BNA_G

ClientSampleId :

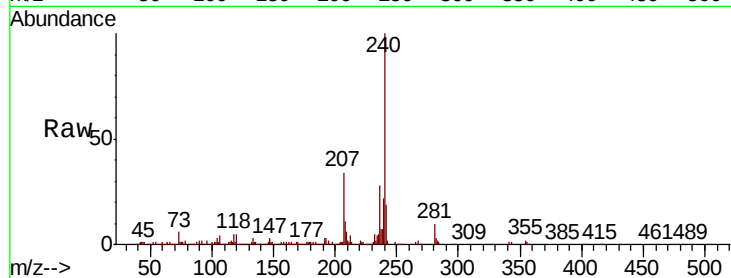
Tot Ion:240 Resp: 355918

Ion Ratio Lower Upper

240 100

120 4.7 5.4 8.2#

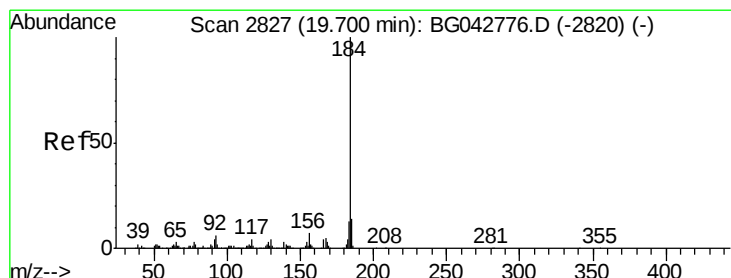
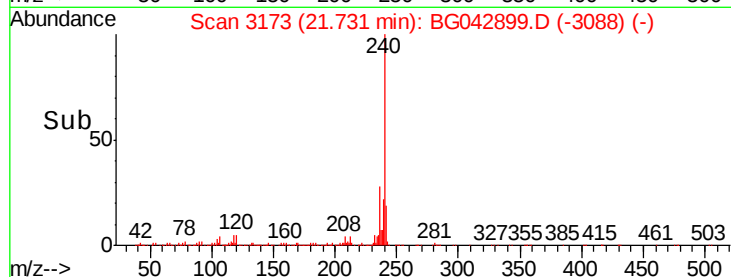
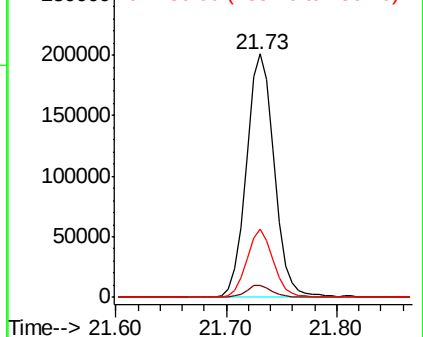
236 28.0 21.7 32.5



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: 3.397 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.37 min

Lab File: BG042899.D

Acq: 18 Sep 2019 18:12

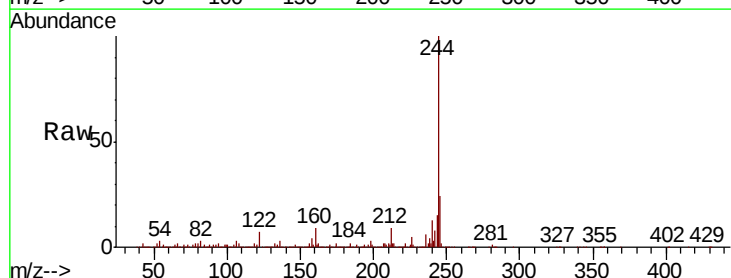
Tgt Ion:184 Resp: 33777

Ion Ratio Lower Upper

184 100

185 17.5 11.6 17.4#

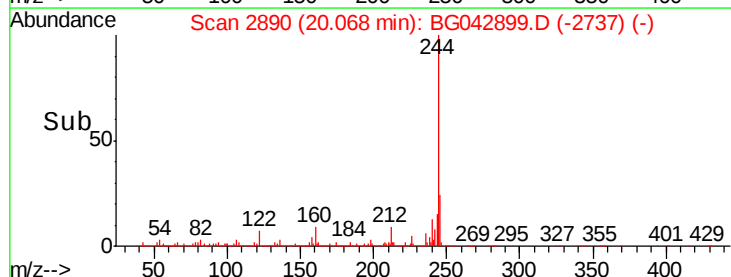
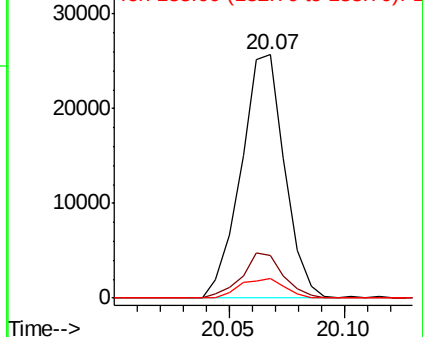
183 8.2 10.4 15.6#

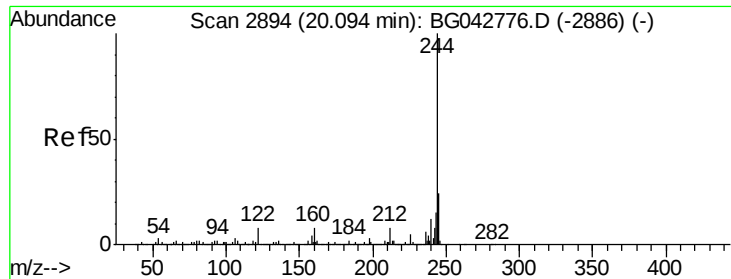


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



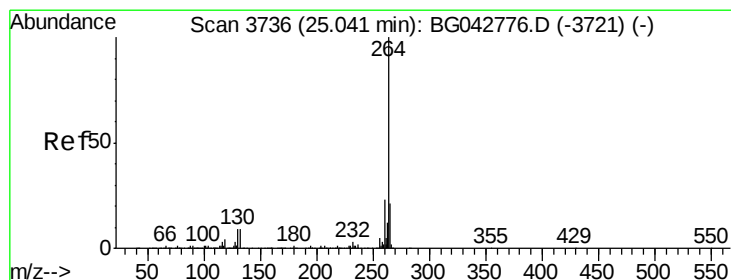
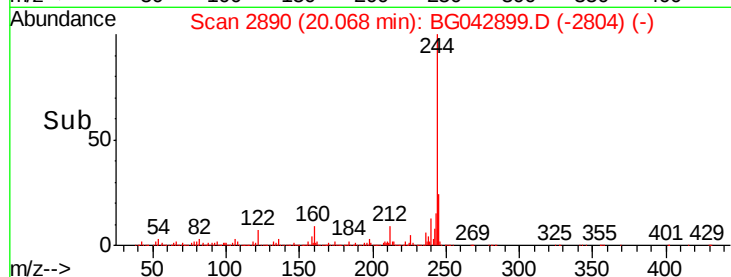
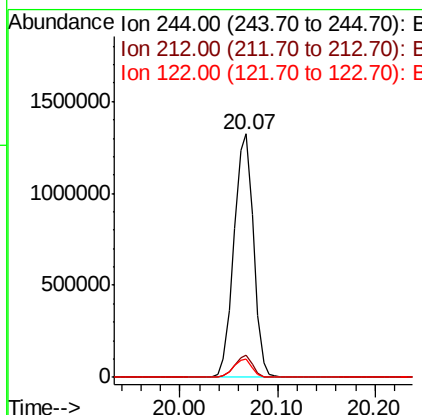
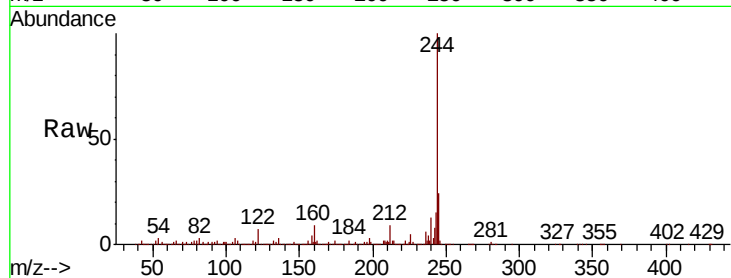


#79
 Terphenyl-d14
 Concen: 114.281 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. -0.03 min
 Lab File: BG042899.D
 Acq: 18 Sep 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1835263

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.6	10.0
122	7.4	6.2	9.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.98 min Scan# 3726
 Delta R.T. -0.06 min
 Lab File: BG042899.D
 Acq: 18 Sep 2019 18:12

Tgt Ion:264 Resp: 370619

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	23.1	16.9	25.3

