

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043283.D
 Acq On : 18 Oct 2019 20:01
 Operator : JU
 Sample : K5406-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRW-2

Quant Time: Oct 19 00:35:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50133	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	179887	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	133547	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	288685	20.00	ng	0.00
76) Chrysene-d12	21.67	240	323778	20.00	ng	-0.02
87) Perylene-d12	24.89	264	383650	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	241411	85.94	ng	-0.02
7) Phenol-d6	7.22	99	234055	57.86	ng	-0.02
23) Nitrobenzene-d5	9.20	82	283819	76.69	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	294692	128.33	ng	-0.02
45) 2-Fluorobiphenyl	13.28	172	720157	78.18	ng	-0.02
79) Terphenyl-d14	20.02	244	1378282	90.71	ng	0.00

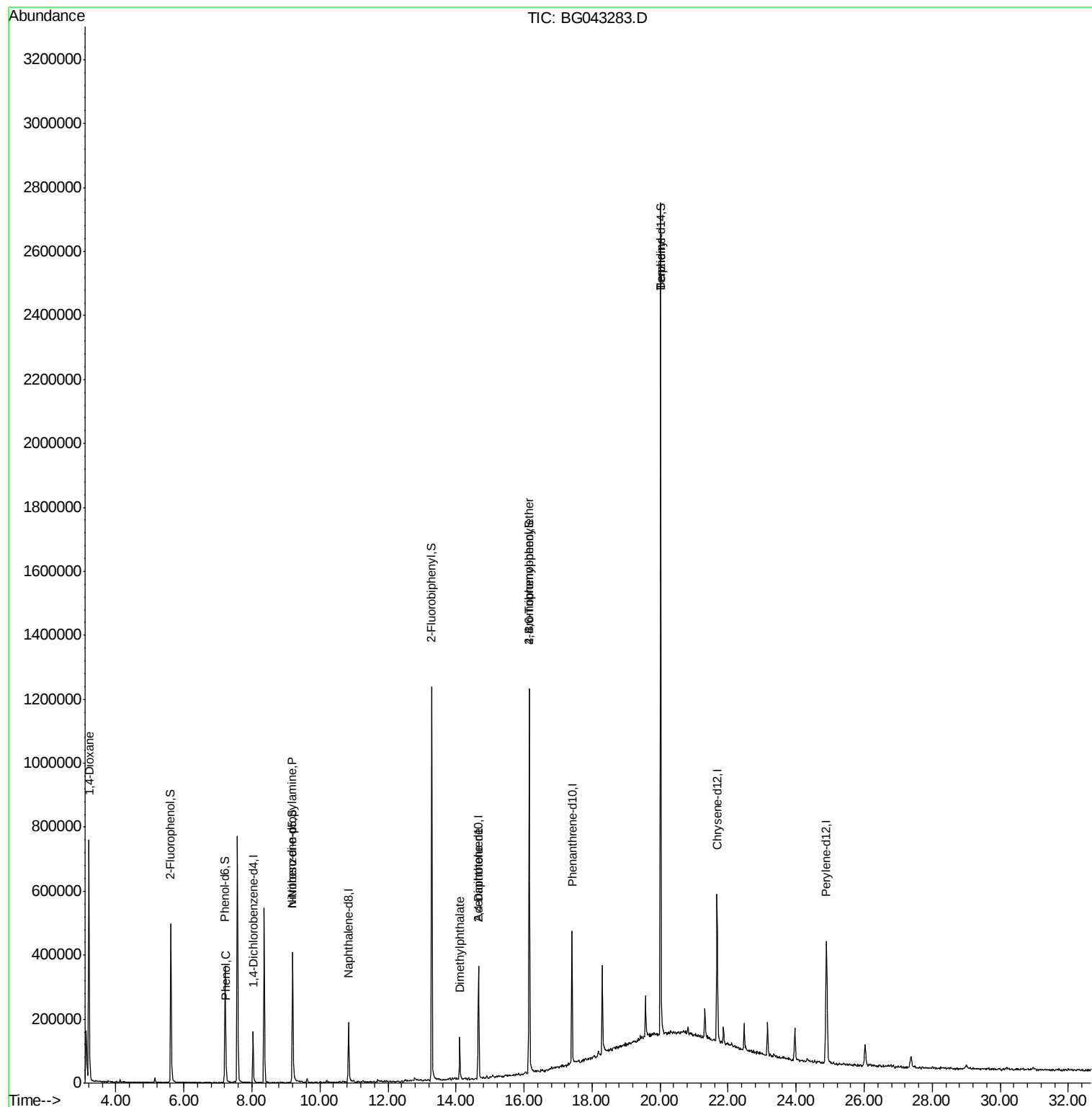
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	7759	6.625	ng	# 1
10) Phenol	7.24	94	15738	4.240	ng	# 94
19) n-Nitroso-di-n-propylamine	9.20	70	40702	15.323	ng	# 70
50) Dimethylphthalate	14.11	163	93307	9.325	ng	# 97
57) 2,4-Dinitrotoluene	14.66	165	18630	5.970	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	19057	5.260	ng	# 1
77) Benzidine	20.02	184	22119	2.728	ng	# 91

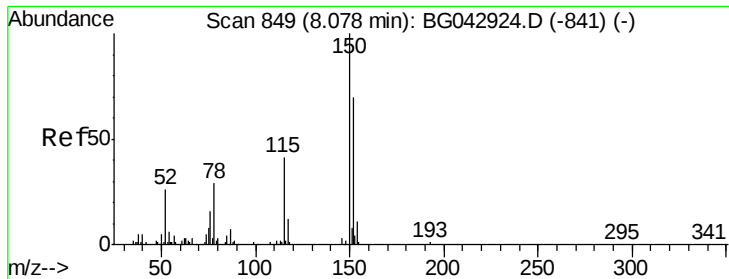
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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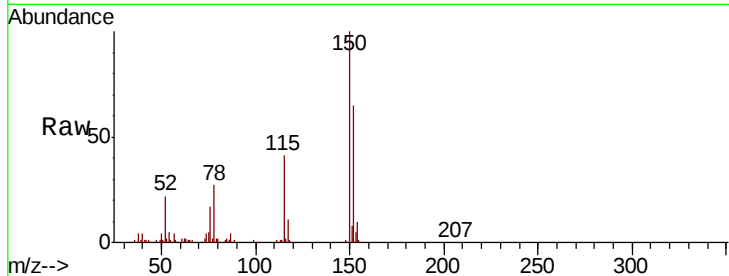


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

Instrument :
BNA_G
ClientSampled :
DRW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	115.0	172.4
115	62.7	47.0	70.6

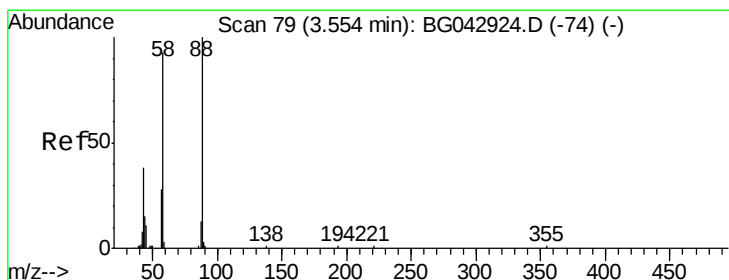
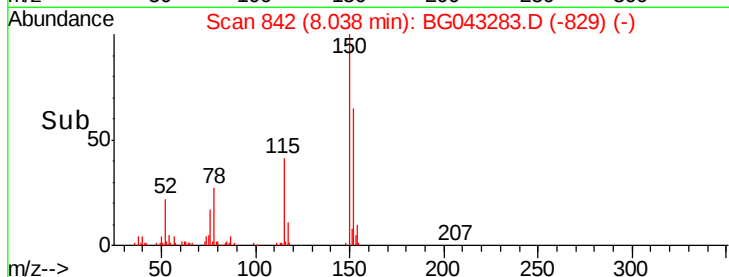
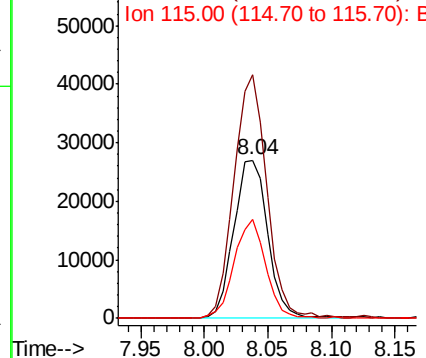


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

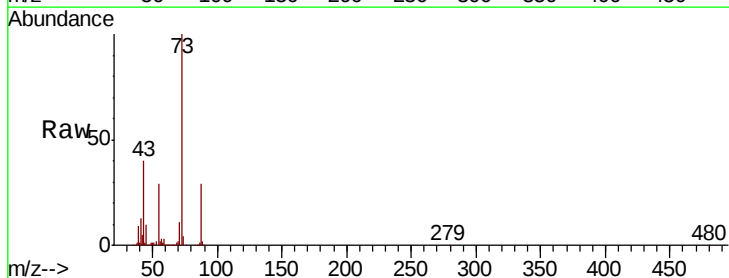
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 6.625 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.32 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	42.9	74.3	111.5#
43	2286.6	29.8	44.8#

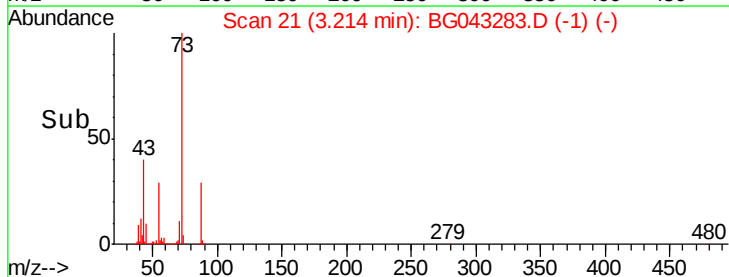
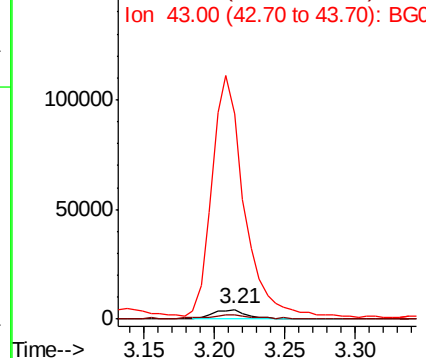


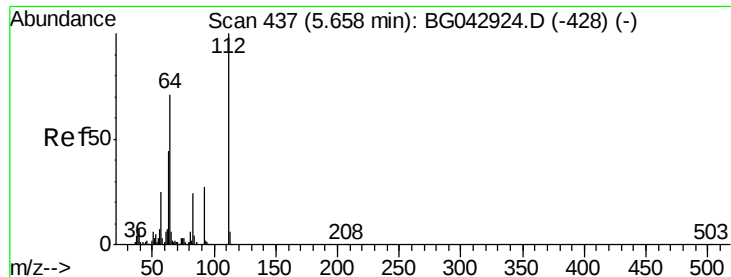
Abundance

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: 85.937 ng

RT: 5.62 min Scan# 430

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Instrument :

BNA_G

ClientSampleId :

DRW-2

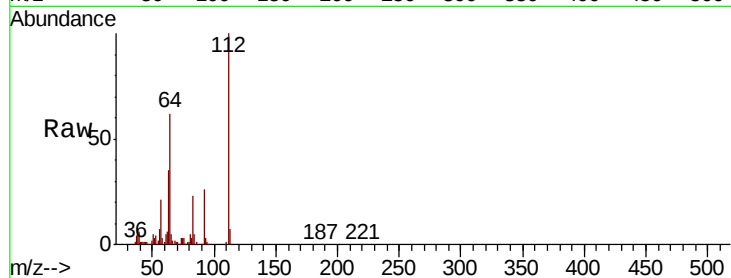
Tot Ion:112 Resp: 241411

Ion Ratio Lower Upper

112 100

64 61.9 56.6 84.8

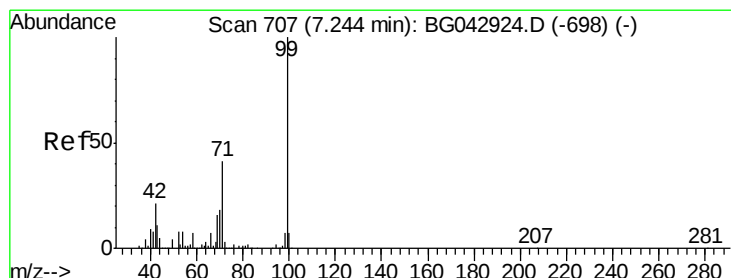
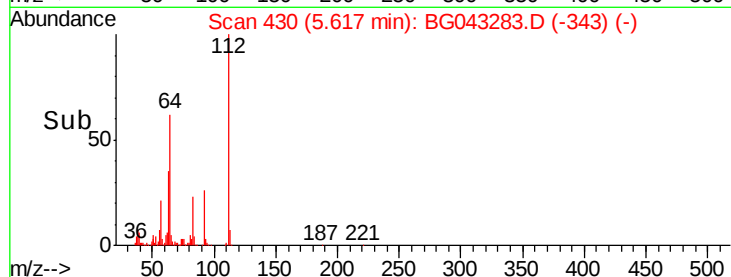
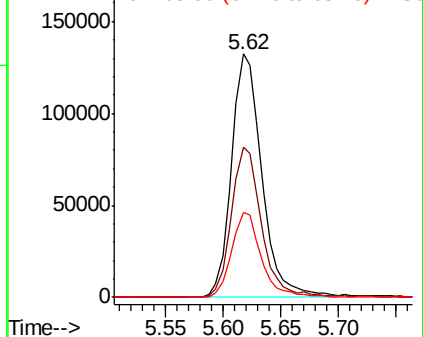
63 34.9 35.1 52.7#



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: 57.858 ng

RT: 7.22 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

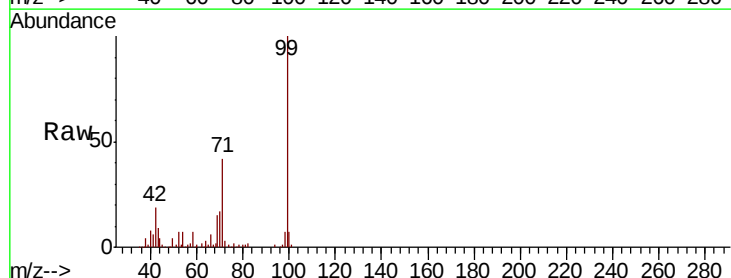
Tgt Ion: 99 Resp: 234055

Ion Ratio Lower Upper

99 100

42 18.6 17.2 25.8

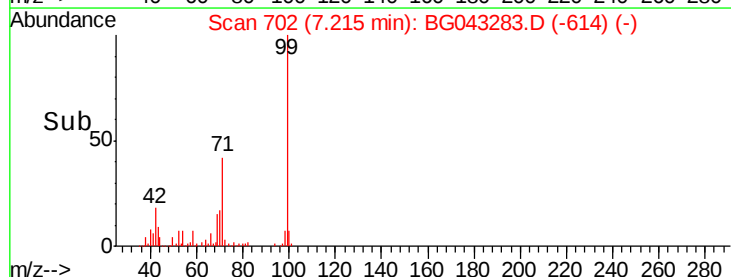
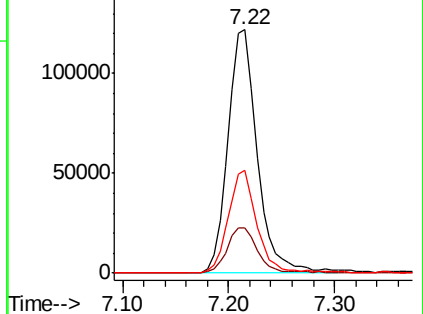
71 42.0 33.1 49.7

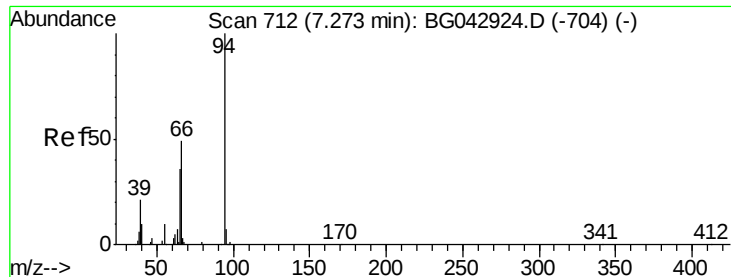


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.240 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Instrument :

BNA_G

ClientSampled :

DRW-2

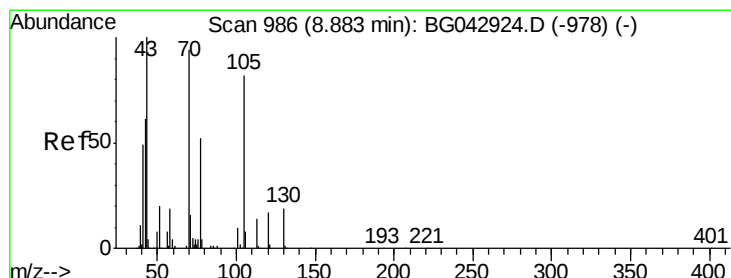
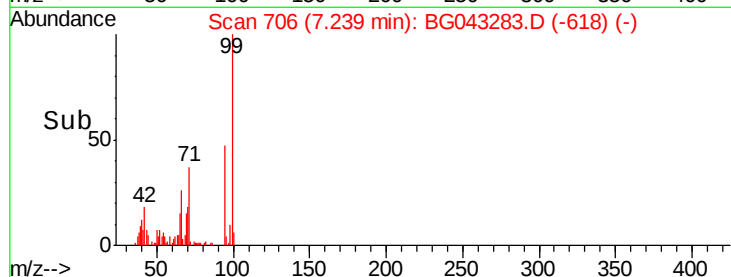
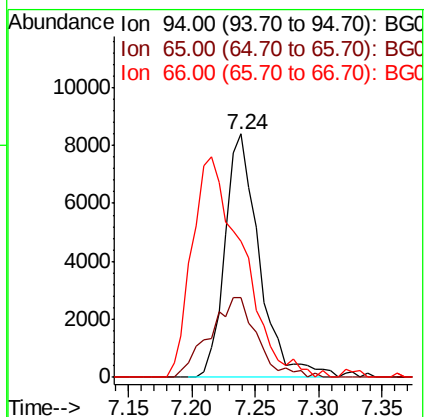
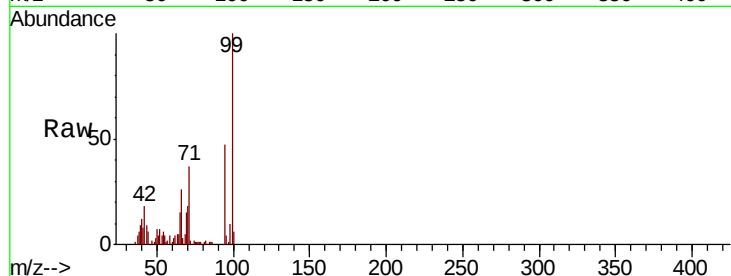
Tot Ion: 94 Resp: 15738

Ion Ratio Lower Upper

94 100

65 32.7 16.6 56.6

66 56.1 32.4 72.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.323 ng

RT: 9.20 min Scan# 1039

Delta R.T. 0.34 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Tgt Ion: 70 Resp: 40702

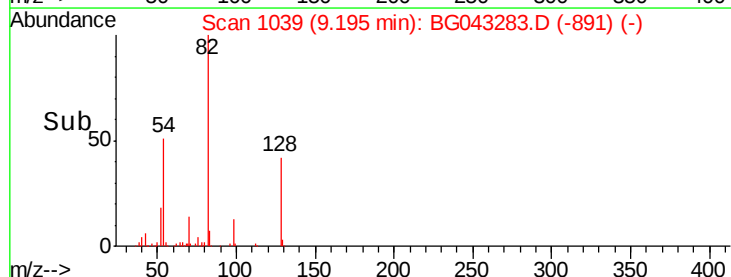
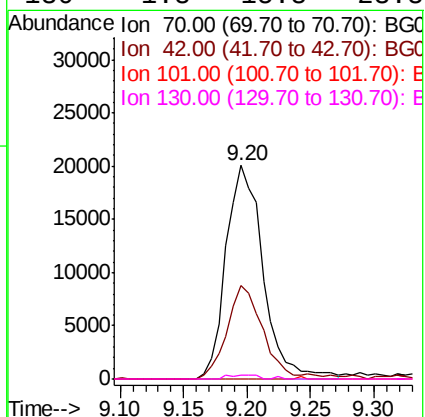
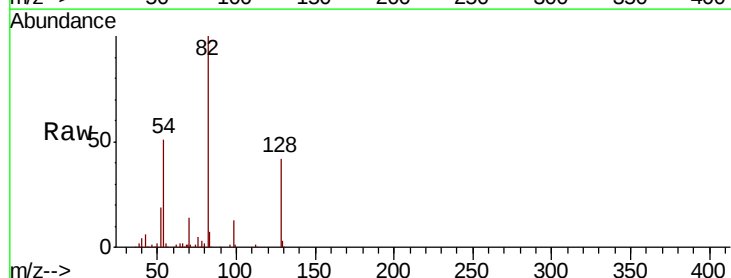
Ion Ratio Lower Upper

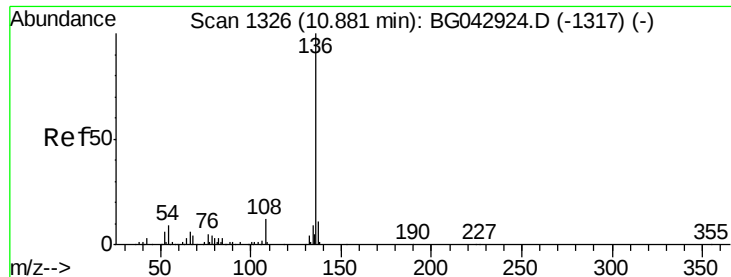
70 100

42 43.6 52.6 79.0#

101 0.0 8.7 13.1#

130 1.8 15.8 23.8#

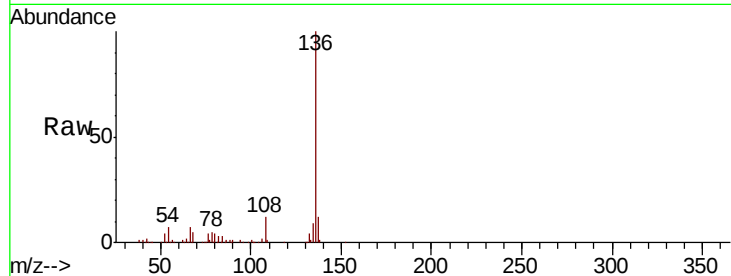




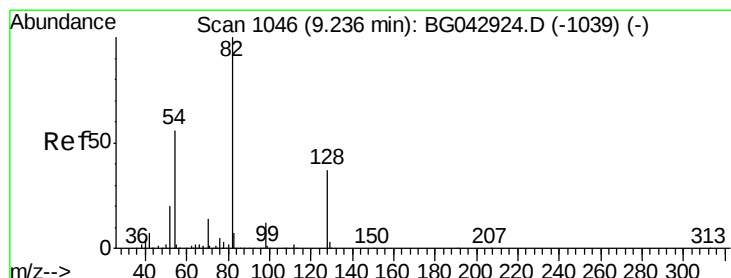
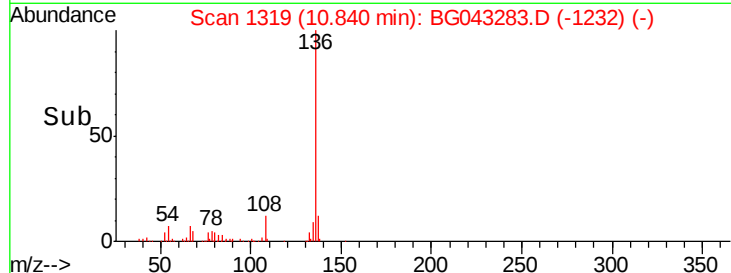
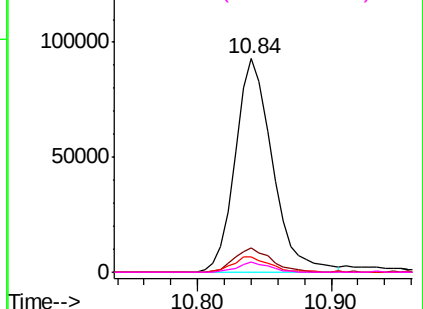
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

Instrument :
BNA_G
ClientSampleId :
DRW-2

Tot Ion:136	Resp: 179887
Ion Ratio	Lower Upper
136 100	
137 11.5	8.5 12.7
54 7.0	7.4 11.2#
68 4.8	3.6 5.4

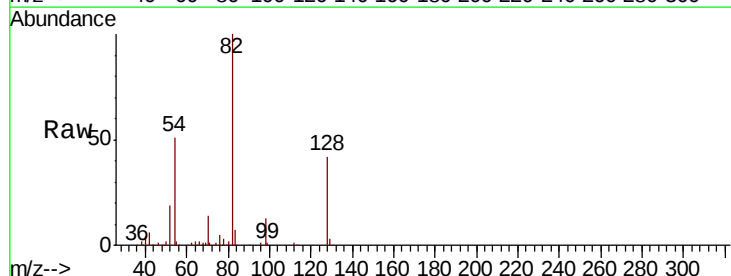


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

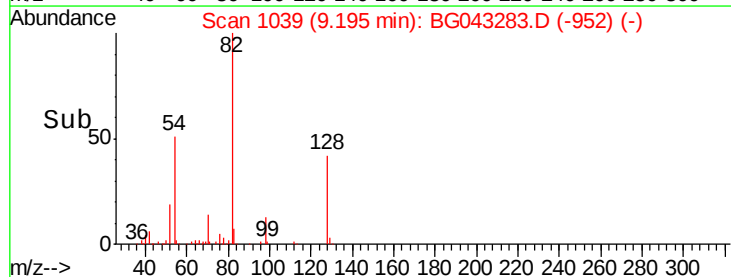
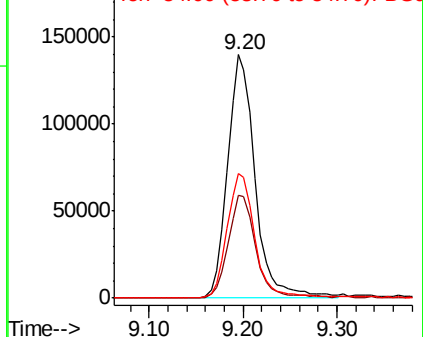


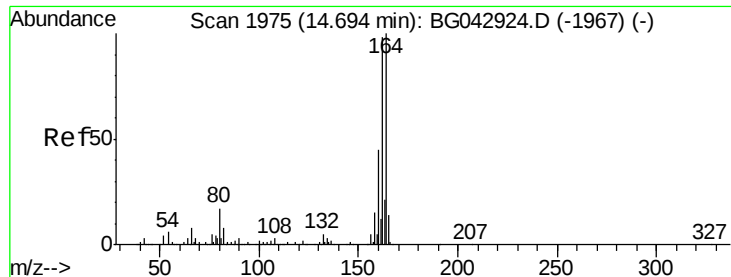
#23
Nitrobenzene-d5
Concen: 76.687 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

Tgt	Ion: 82	Resp:	283819
Ion	Ratio	Lower	Upper
82	100		
128	42.0	29.5	44.3
54	50.9	44.6	67.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Instrument :

BNA_G

ClientSampleId :

DRW-2

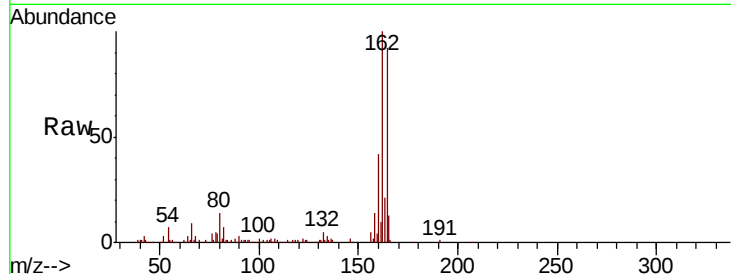
Tot Ion:164 Resp: 133547

Ion Ratio Lower Upper

164 100

162 108.5 78.5 117.7

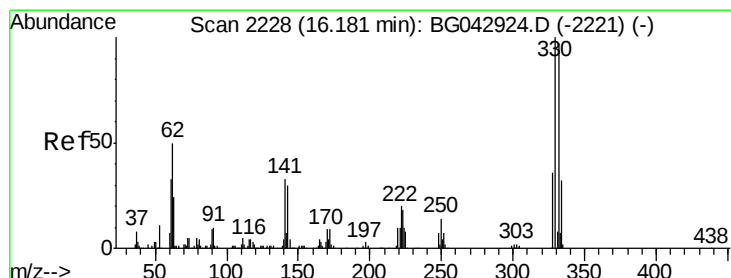
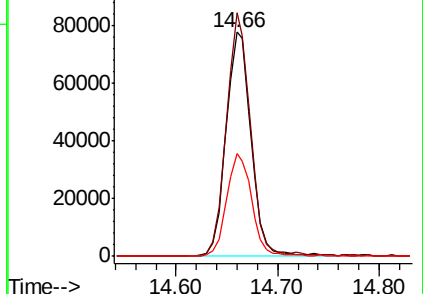
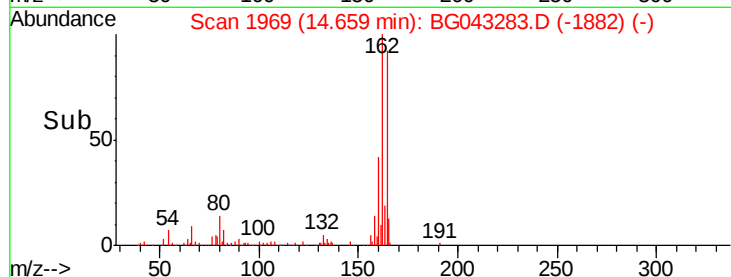
160 46.0 35.9 53.9



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: 128.326 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

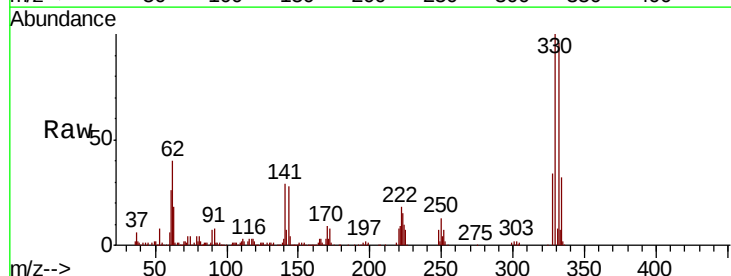
Tgt Ion:330 Resp: 294692

Ion Ratio Lower Upper

330 100

332 95.4 78.2 117.2

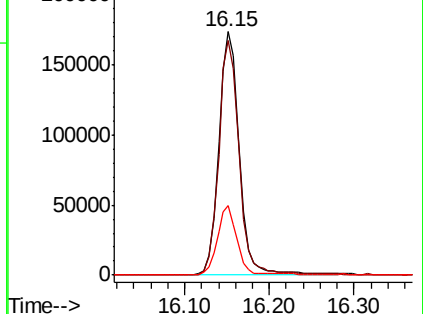
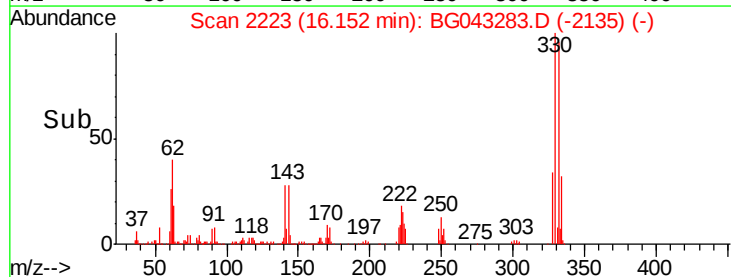
141 28.1 26.0 39.0

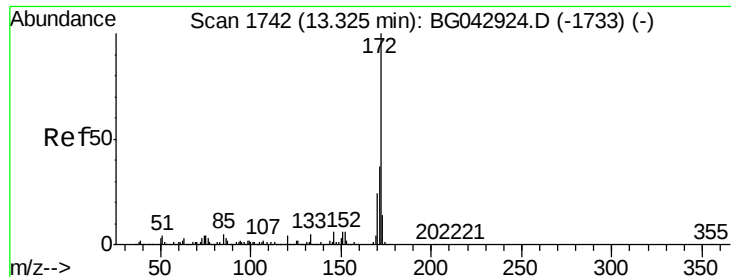


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

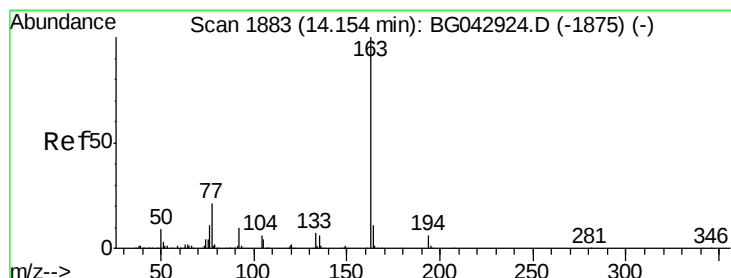
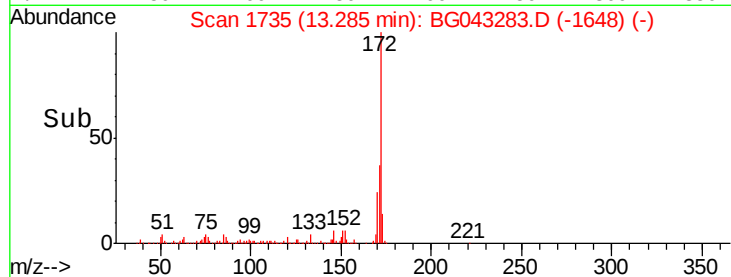
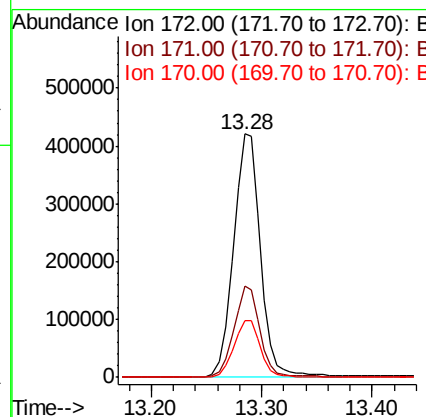
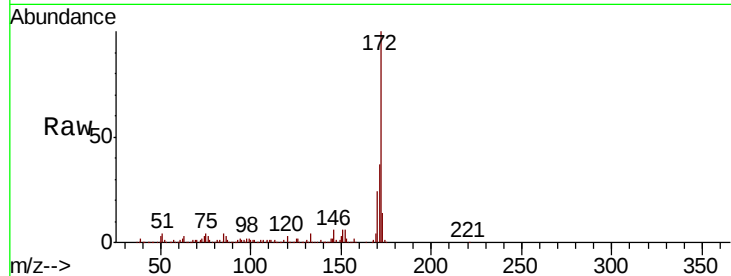




#45
2-Fluorobiphenyl
Concen: 78.175 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.02 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

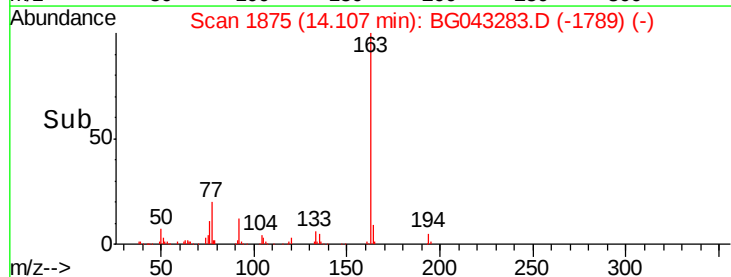
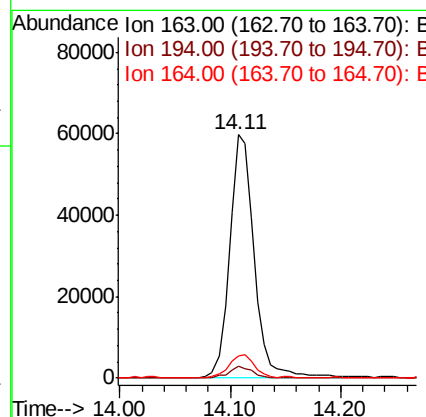
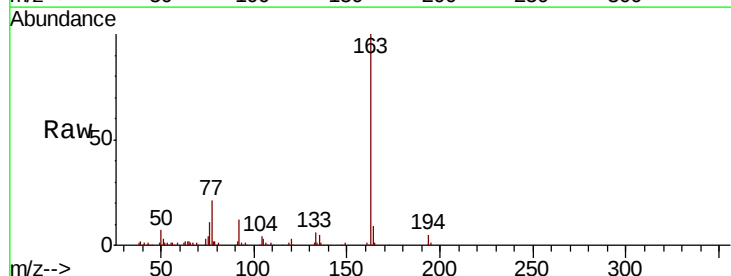
Instrument :
BNA_G
ClientSampled :
DRW-2

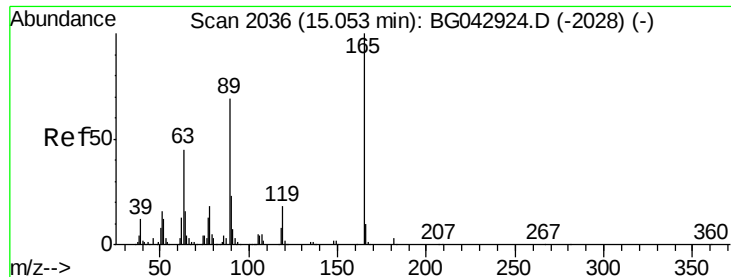
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	23.6	19.6	29.4



#50
Dimethylphthalate
Concen: 9.325 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.03 min
Lab File: BG043283.D
Acq: 18 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.4	6.6
164	9.2	8.6	12.8

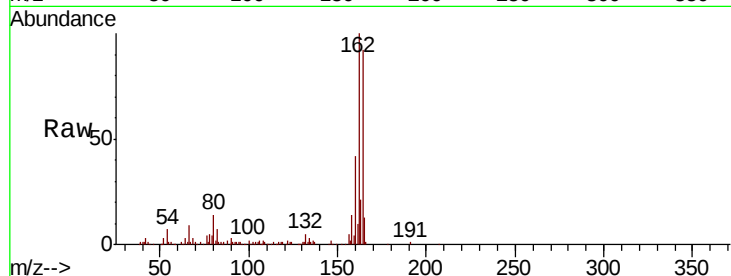




#57
 2,4-Dinitrotoluene
 Concen: 5.970 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG043283.D
 Acq: 18 Oct 2019 20:01

Instrument :
 BNA_G
 ClientSampleId :
 DRW-2

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.5	54.7#
89	1.6	55.5	83.3#
182	0.0	2.4	3.6#

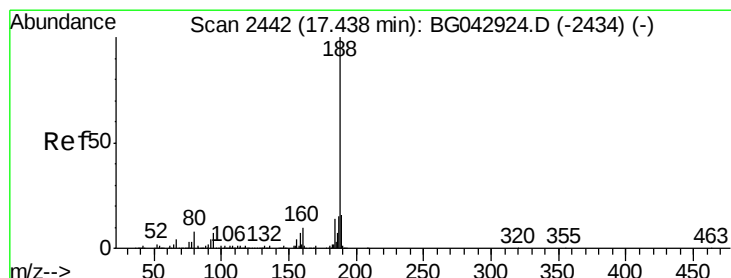
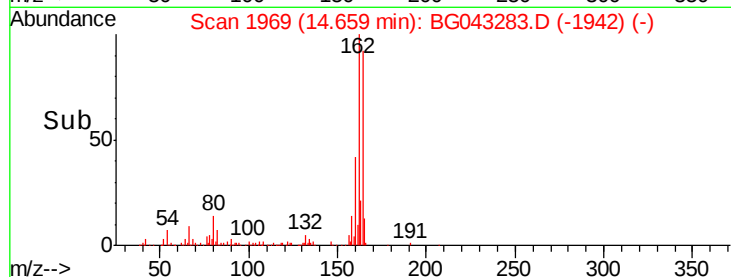
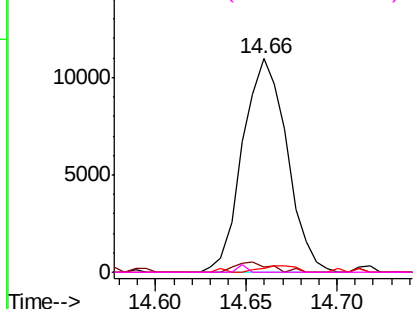


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

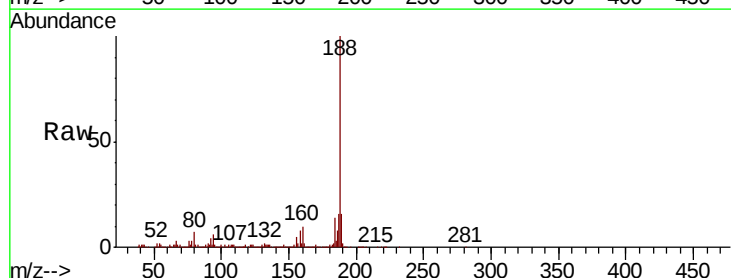
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG043283.D
 Acq: 18 Oct 2019 20:01

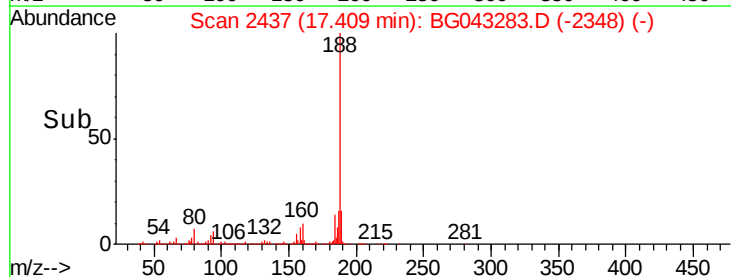
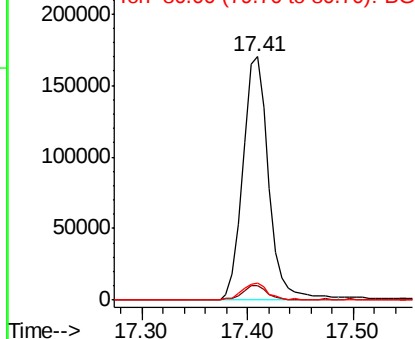
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	6.9	6.5	9.7

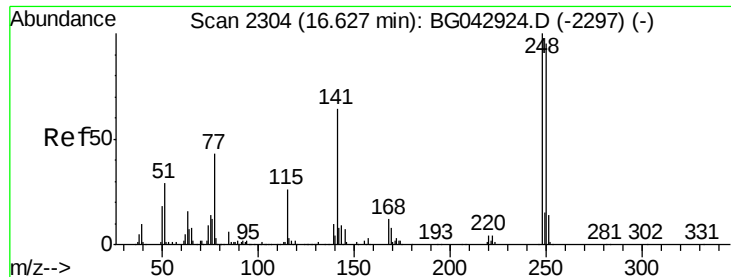


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#67

4-Bromophenyl-phenylether

Concen: 5.260 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.46 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Instrument :

BNA_G

ClientSampleId :

DRW-2

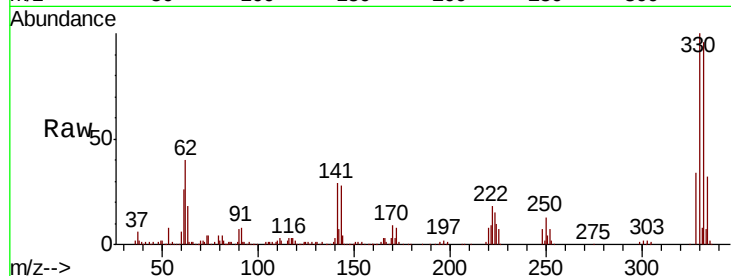
Tot Ion:248 Resp: 19057

Ion Ratio Lower Upper

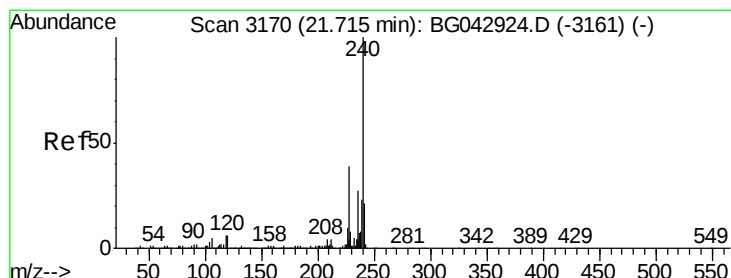
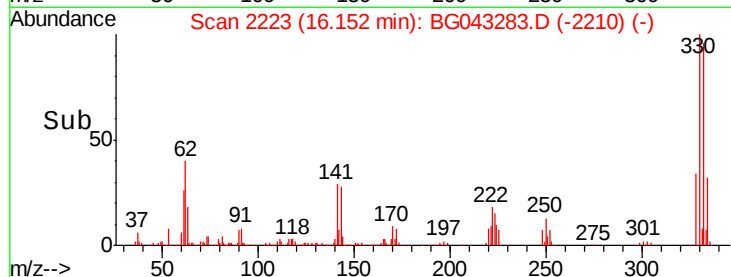
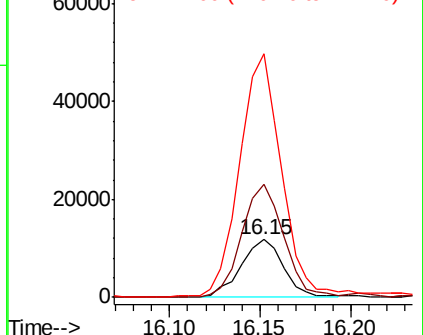
248 100

250 196.0 75.8 113.8#

141 424.2 51.1 76.7#



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: 21.67 min Scan# 3163

Delta R.T. -0.02 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

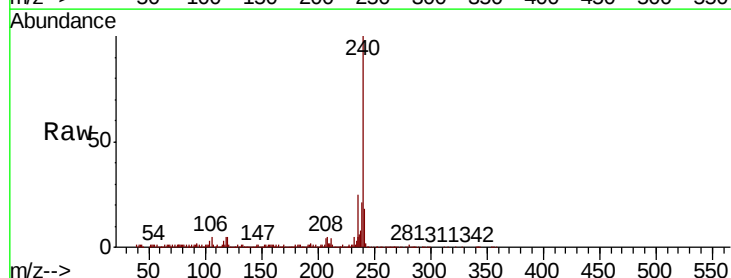
Tgt Ion:240 Resp: 323778

Ion Ratio Lower Upper

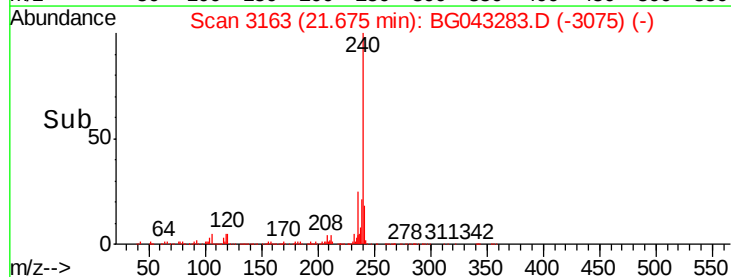
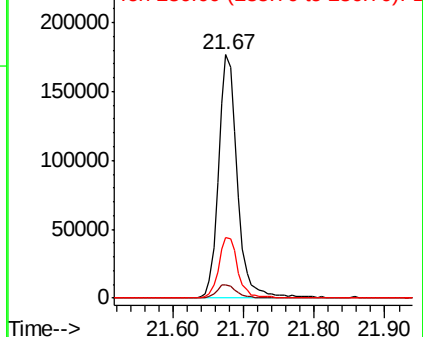
240 100

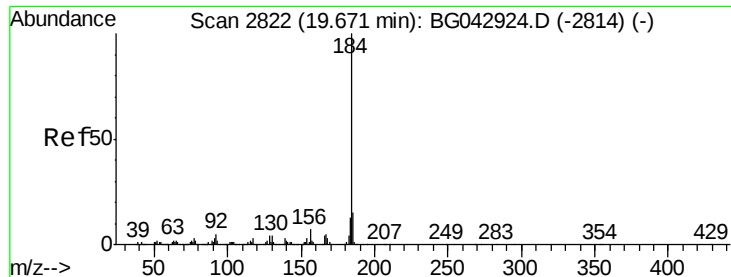
120 5.2 4.8 7.2

236 25.1 21.4 32.0



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: 2.728 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

Instrument :

BNA_G

ClientSampleId :

DRW-2

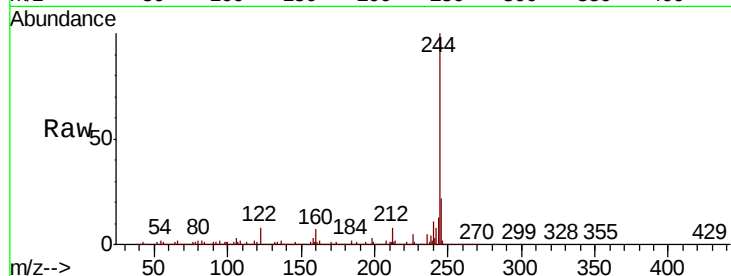
Tot Ion:184 Resp: 22119

Ion Ratio Lower Upper

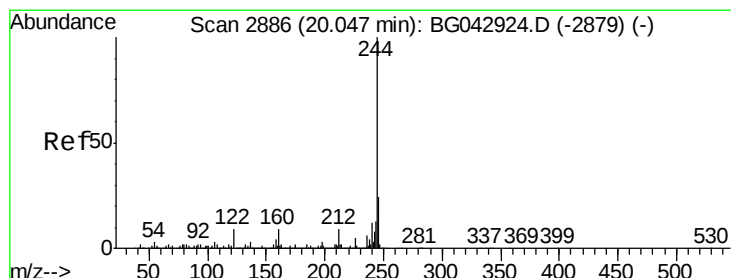
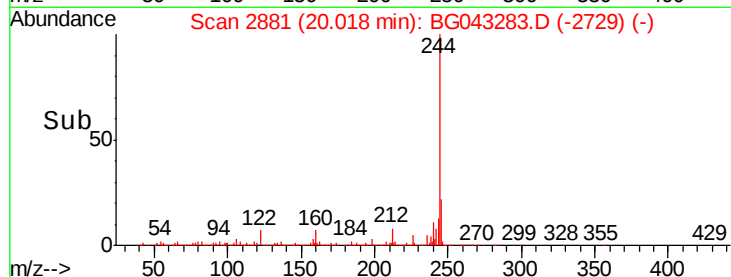
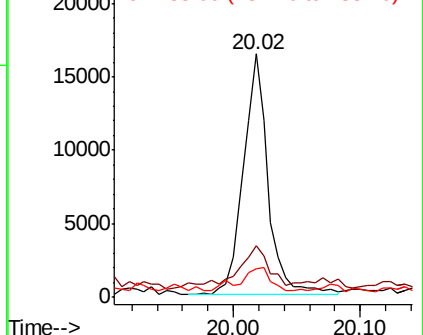
184 100

185 21.1 11.8 17.8#

183 11.7 10.1 15.1



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: 90.709 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG043283.D

Acq: 18 Oct 2019 20:01

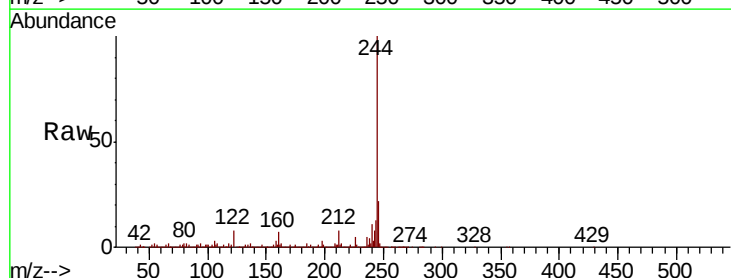
Tgt Ion:244 Resp: 1378282

Ion Ratio Lower Upper

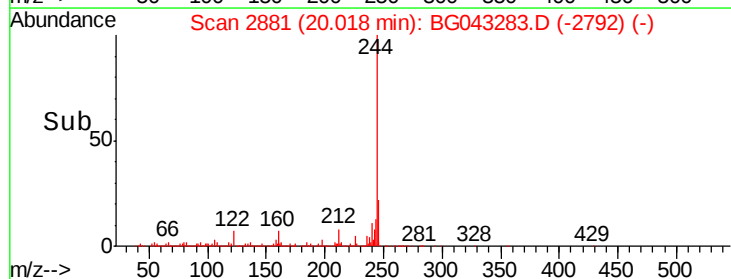
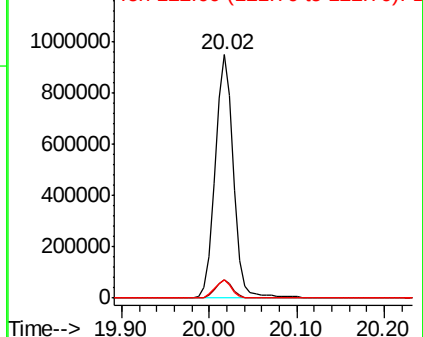
244 100

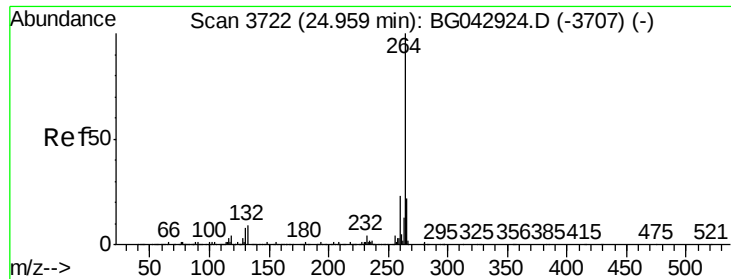
212 7.7 7.4 11.0

122 7.5 7.0 10.4



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

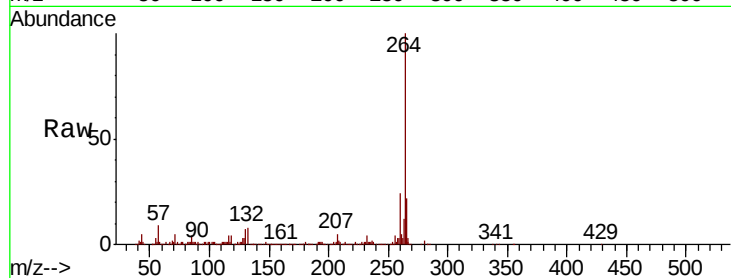




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3710
 Delta R.T. -0.02 min
 Lab File: BG043283.D
 Acq: 18 Oct 2019 20:01

Instrument :
 BNA_G
 ClientSampleId :
 DRW-2

Tot Ion:	264	Resp:	383650
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.2	17.7	26.5



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

