

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043073.D
 Acq On : 7 Oct 2019 18:32
 Operator : JU
 Sample : K5154-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 01:48:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	47610	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	189366	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	153609	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	400517	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	434587	20.00	ng	-0.03
87) Perylene-d12	24.91	264	505185	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	213948	80.20	ng	-0.02
7) Phenol-d6	7.23	99	205649	53.53	ng	-0.02
23) Nitrobenzene-d5	9.22	82	301299	77.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	365830	138.50	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	814237	76.84	ng	-0.02
79) Terphenyl-d14	20.03	244	1908492	93.58	ng	-0.01

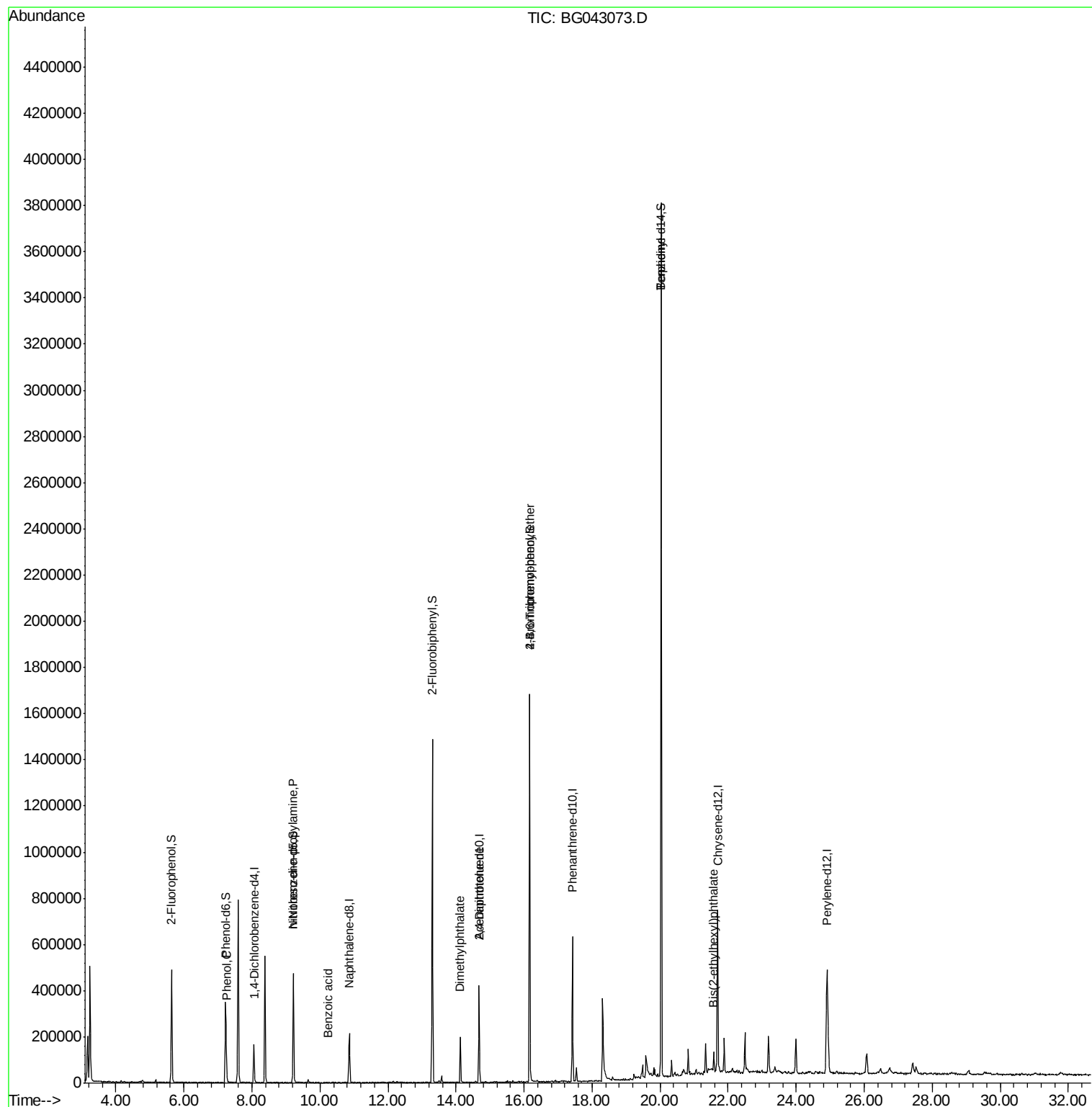
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.25	94	26582	7.542	ng	94
19) n-Nitroso-di-n-propylamine	9.22	70	41651	16.511	ng	# 72
32) Benzoic acid	10.24	122	65	2.836	ng	# 1
50) Dimethylphthalate	14.13	163	133820	11.627	ng	96
57) 2,4-Dinitrotoluene	14.68	165	20101	5.600	ng	# 23
67) 4-Bromophenyl-phenylether	16.17	248	24433	4.860	ng	# 1
77) Benzidine	20.03	184	30731	2.824	ng	# 95
84) Bis(2-ethylhexyl)phthalate	21.58	149	34034	2.429	ng	97

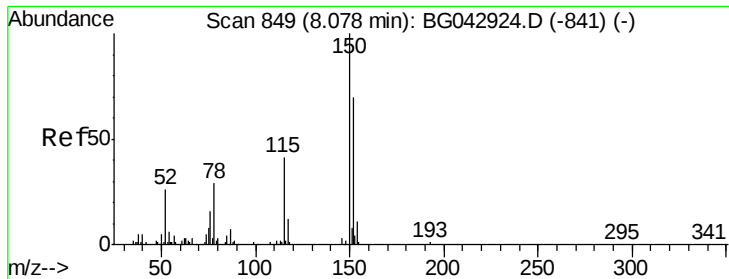
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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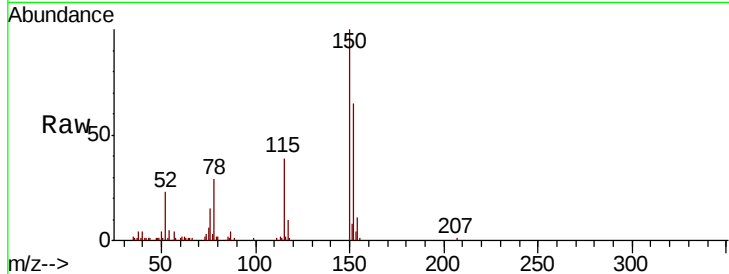


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	115.0	172.4
115	60.0	47.0	70.6

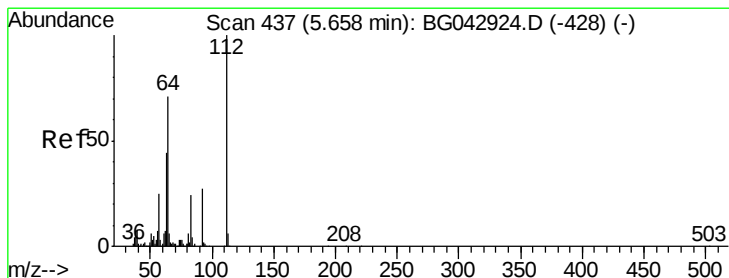
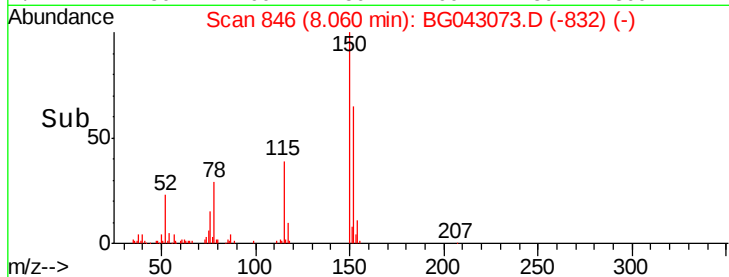
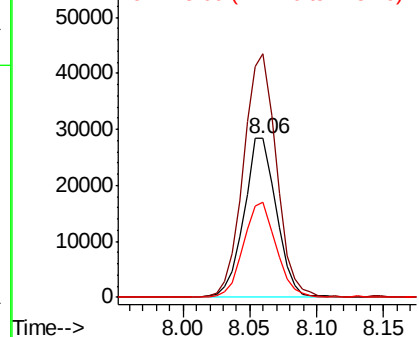


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

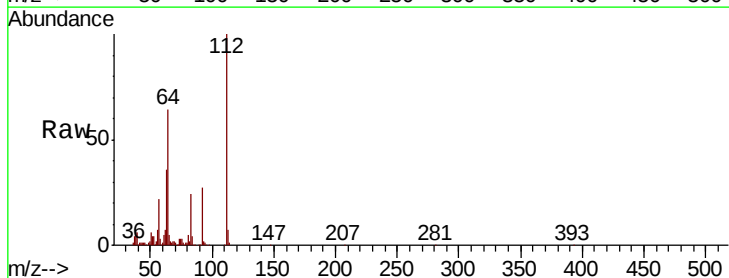
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.197 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	56.6	84.8
63	36.5	35.1	52.7

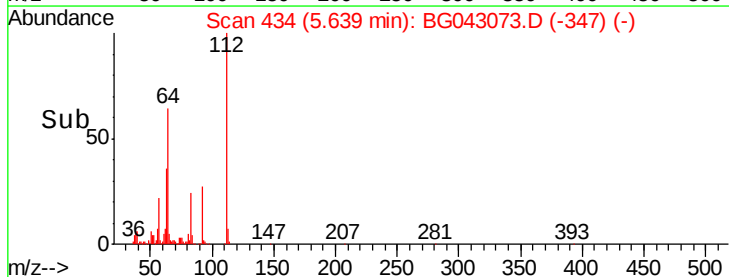
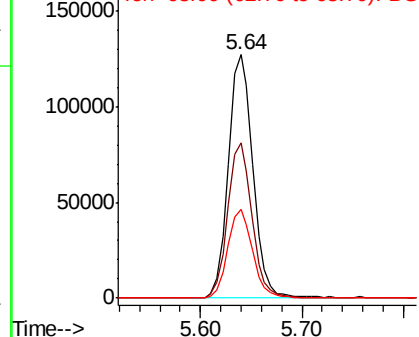


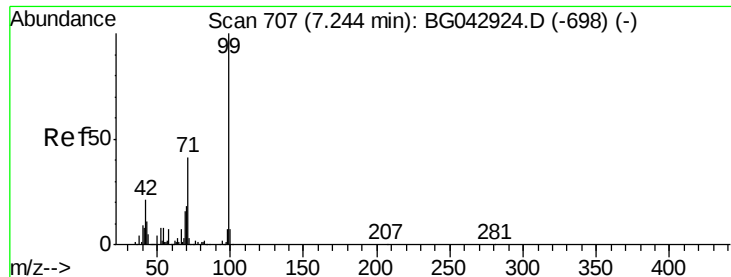
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 53.530 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

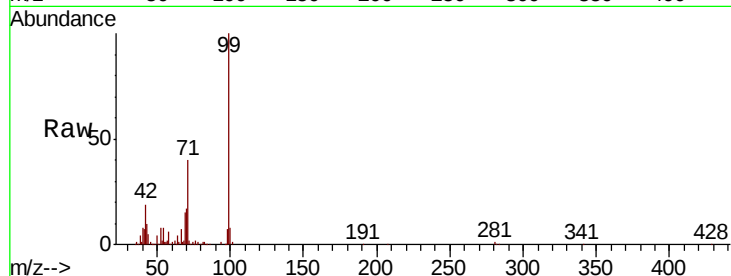
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 205649

Ion	Ratio	Lower	Upper
99	100		
42	18.6	17.2	25.8
71	39.6	33.1	49.7

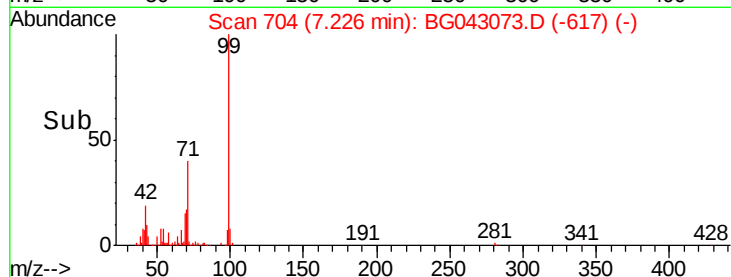


Abundance

Ion 99.00 (98.70 to 99.70): BGC

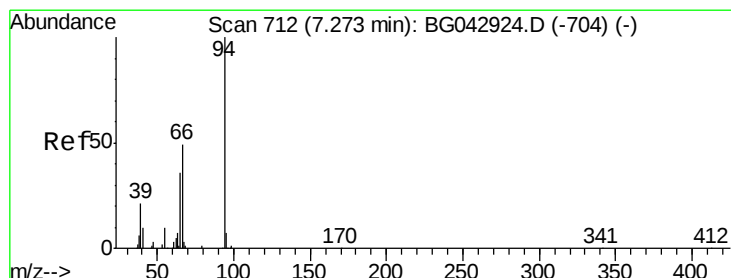
Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



7.23

Time--> 7.10 7.20 7.30



#10

Phenol

Concen: 7.542 ng

RT: 7.25 min Scan# 708

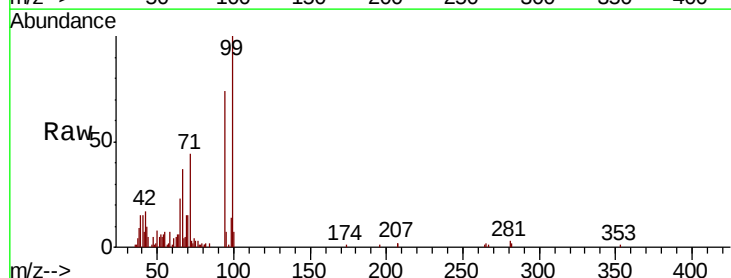
Delta R.T. -0.02 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

Tgt Ion: 94 Resp: 26582

Ion	Ratio	Lower	Upper
94	100		
65	31.4	16.6	56.6
66	49.8	32.4	72.4

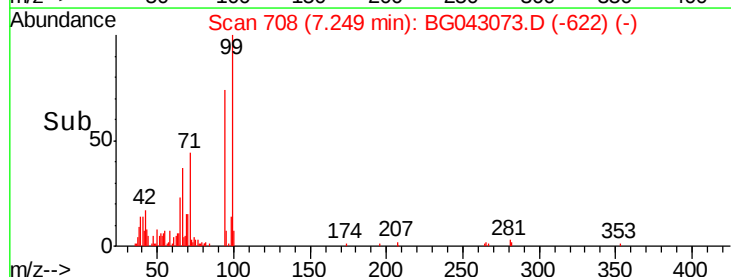


Abundance

Ion 94.00 (93.70 to 94.70): BGC

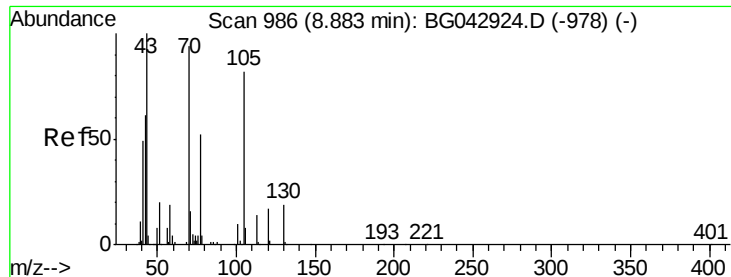
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



7.25

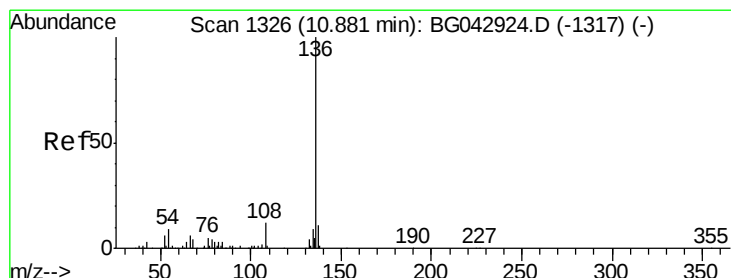
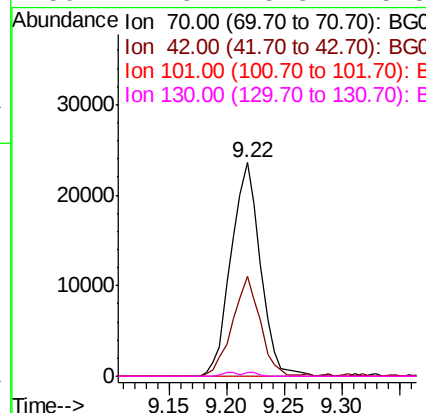
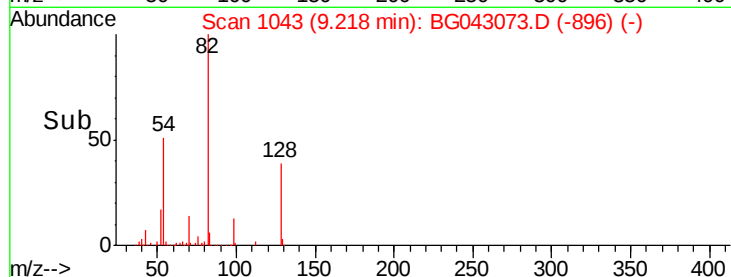
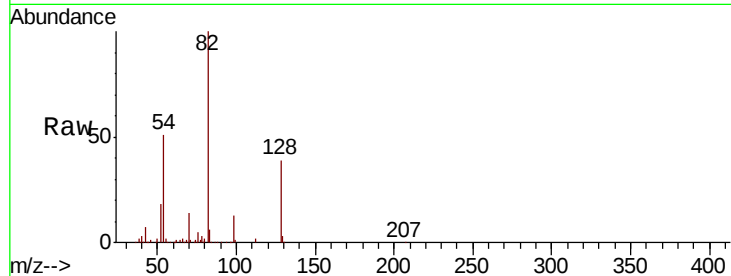
Time--> 7.20 7.25 7.30



#19
n-Nitroso-di-n-propylamine
Concen: 16.511 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.33 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

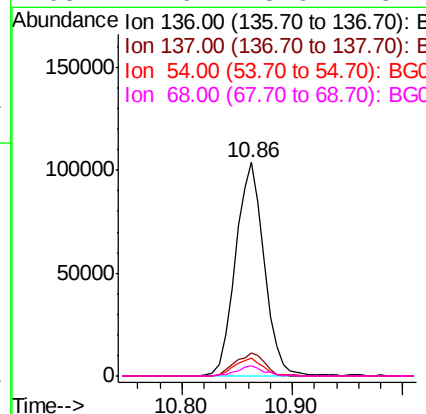
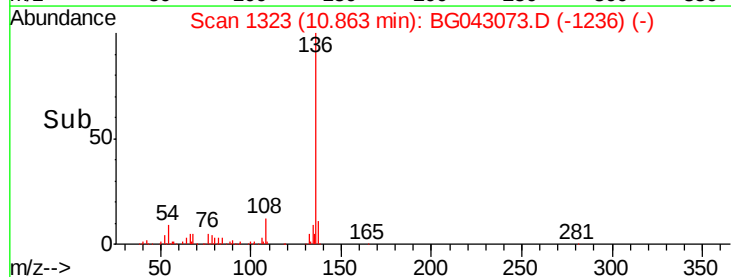
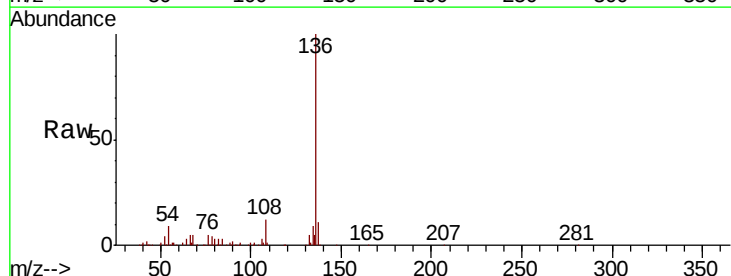
Instrument :
BNA_G
ClientSampleId :

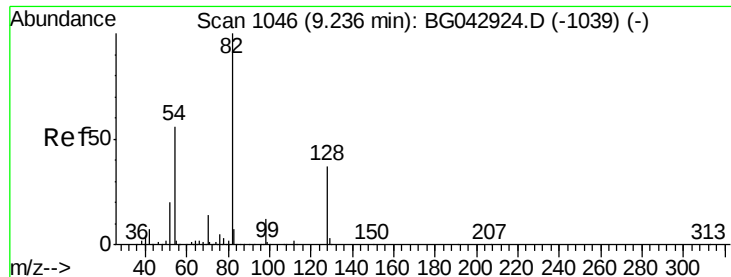
Tot Ion: 70 Resp: 41651
Ion Ratio Lower Upper
70 100
42 46.9 52.6 79.0#
101 0.0 8.7 13.1#
130 1.6 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Tgt Ion: 136 Resp: 189366
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 8.5 7.4 11.2
68 4.6 3.6 5.4

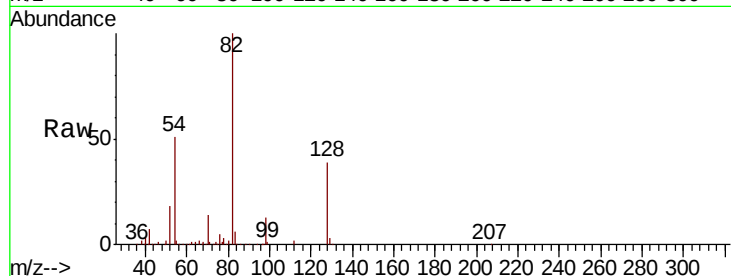




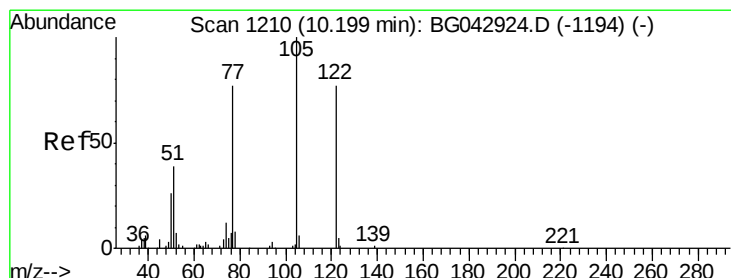
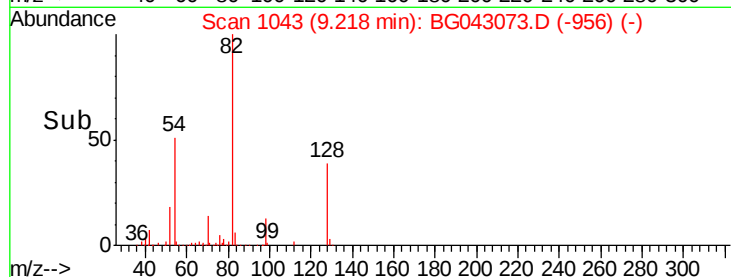
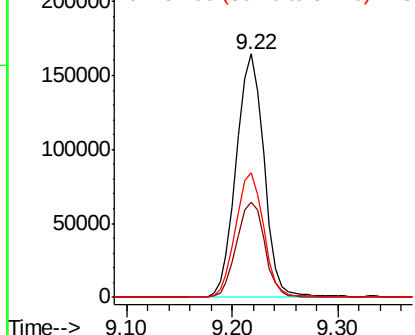
#23
Nitrobenzene-d5
Concen: 77.335 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Instrument :
BNA_G
ClientSampled :

Tot Ion	82.00	Resp	301299
Ion Ratio	100	Lower	Upper
128	39.3	29.5	44.3
54	50.9	44.6	67.0

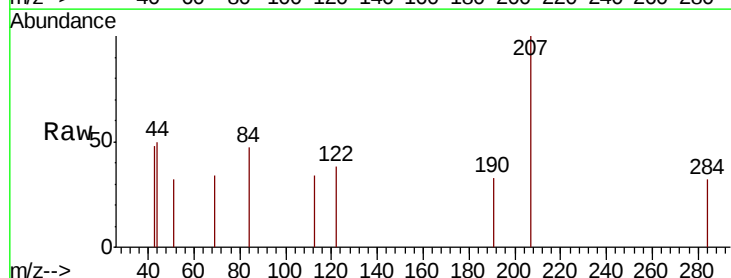


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

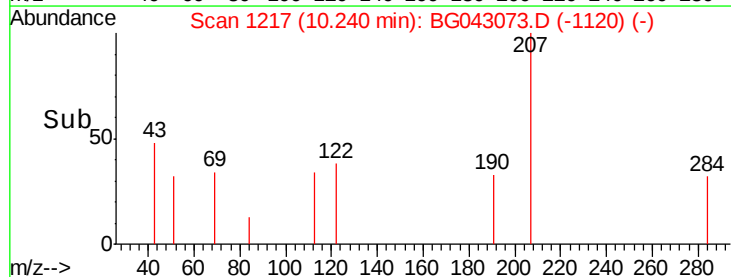
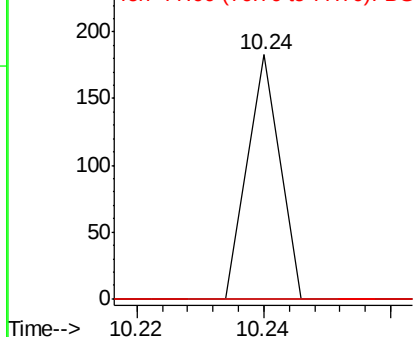


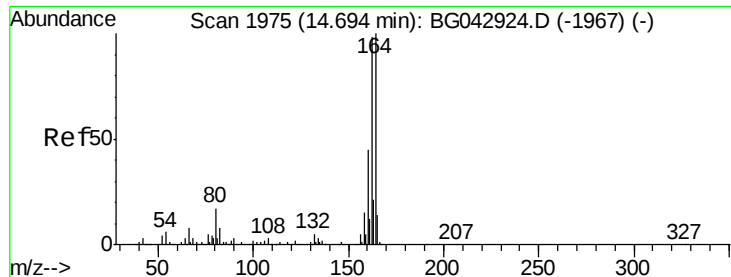
#32
Benzoic acid
Concen: 2.836 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.04 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Tgt Ion	122	Resp	65
Ion Ratio	100	Lower	Upper
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

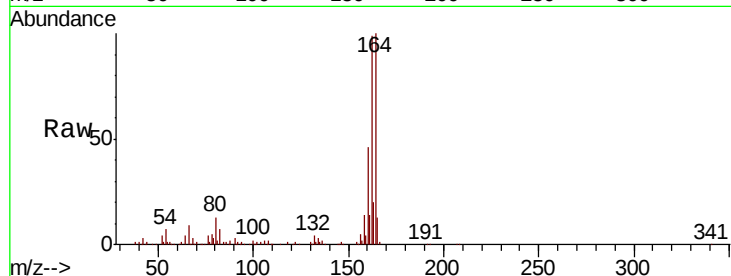
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 153609

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.5	117.7
160	46.2	35.9	53.9



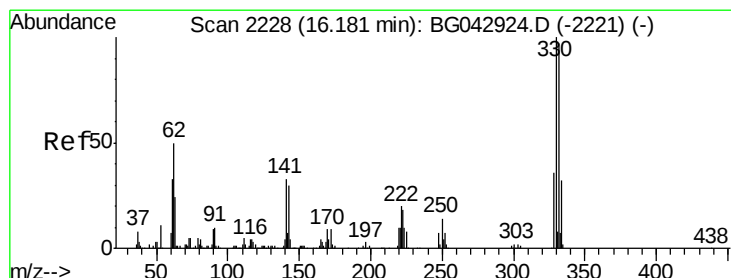
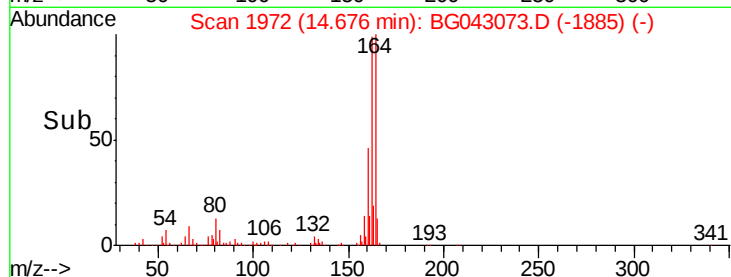
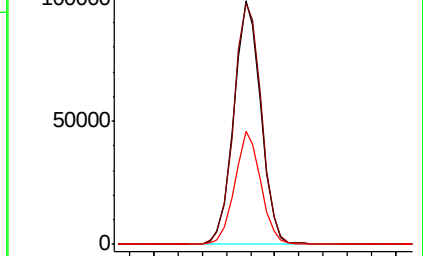
Abundance

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

14.68



#42

2,4,6-Tribromophenol

Concen: 138.498 ng

RT: 16.16 min Scan# 2225

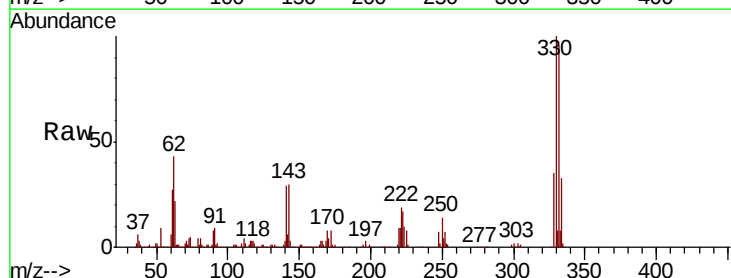
Delta R.T. -0.02 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

Tgt Ion:330 Resp: 365830

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.2
141	29.2	26.0	39.0



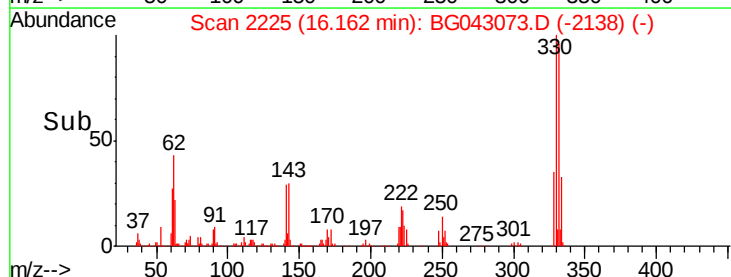
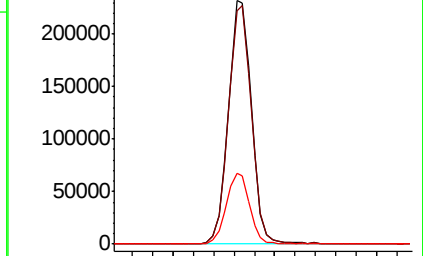
Abundance

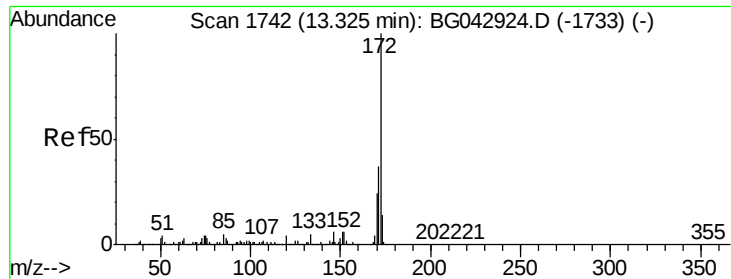
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.16

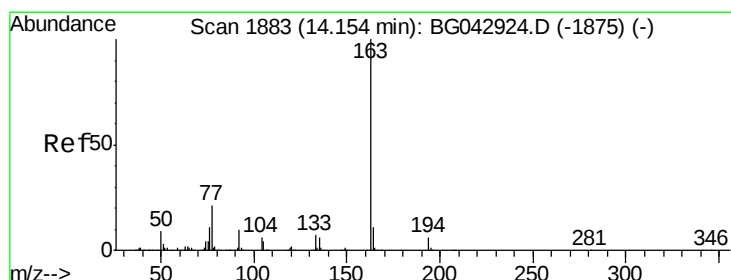
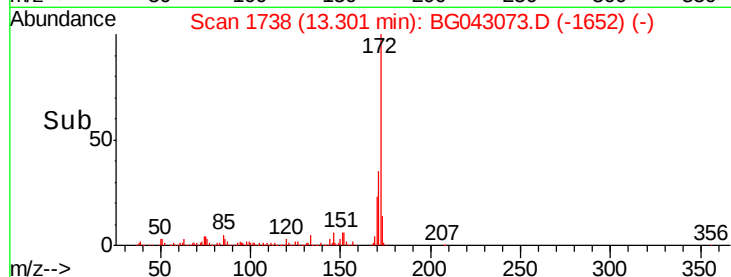
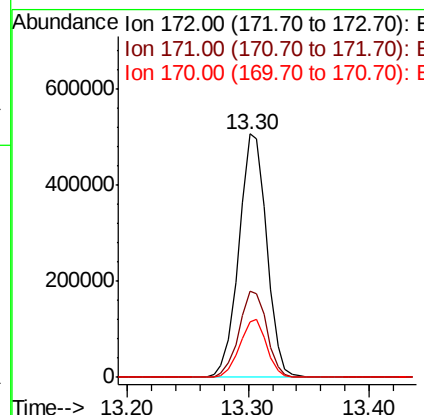
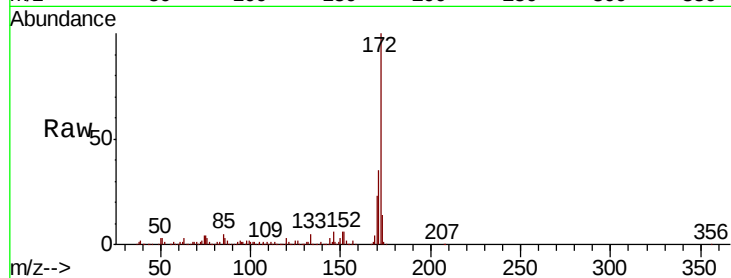




#45
2-Fluorobiphenyl
Concen: 76.844 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

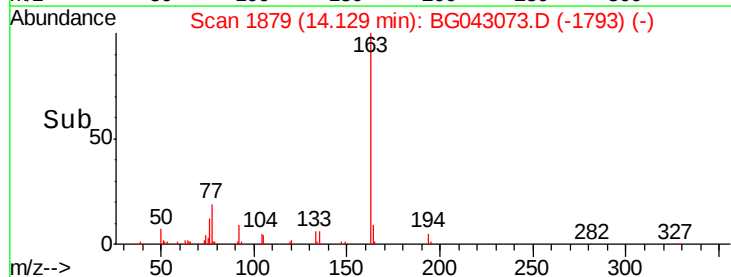
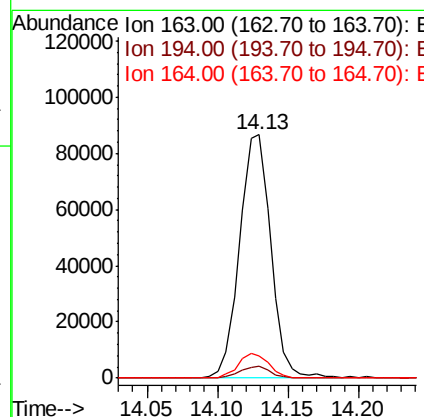
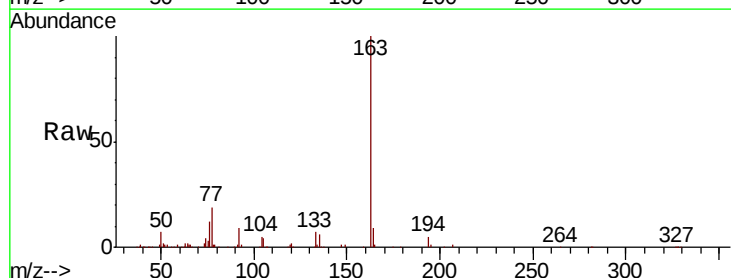
Instrument :
BNA_G
ClientSampleId :

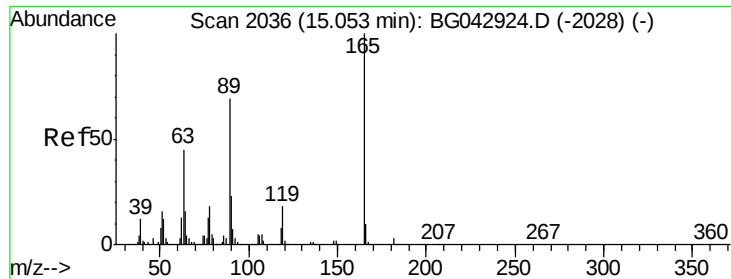
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.0	19.6	29.4



#50
Dimethylphthalate
Concen: 11.627 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043073.D
Acq: 7 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.4	6.6
164	9.0	8.6	12.8

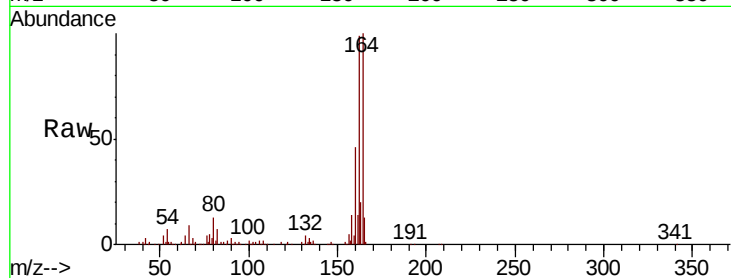




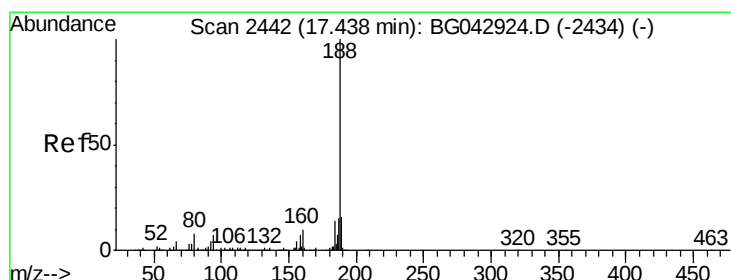
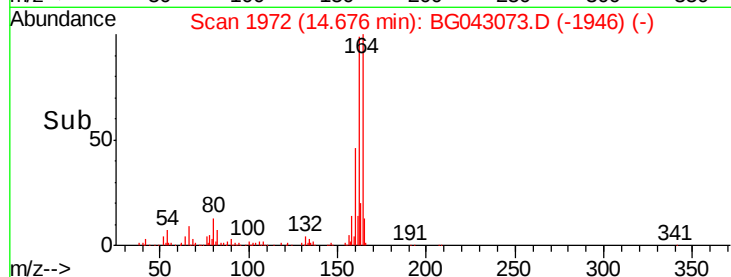
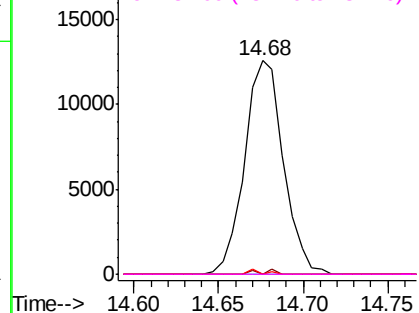
#57
 2,4-Dinitrotoluene
 Concen: 5.600 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043073.D
 Acq: 7 Oct 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20101
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.5 54.7#
89	0.0	55.5 83.3#
182	0.0	2.4 3.6#

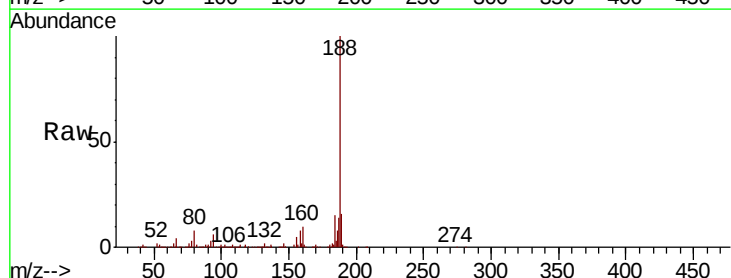


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

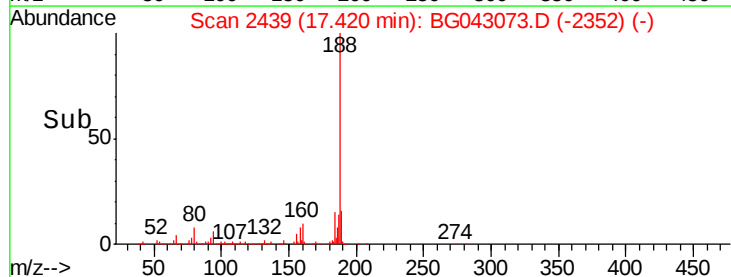
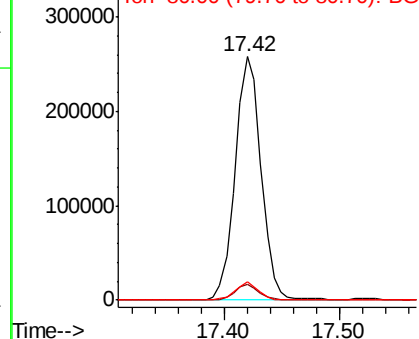


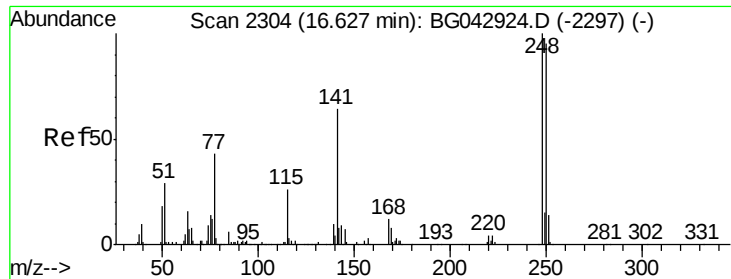
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043073.D
 Acq: 7 Oct 2019 18:32

Tgt Ion:188	Resp:	400517
Ion Ratio	Lower	Upper
188	100	
94	6.3	5.7 8.5
80	7.5	6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

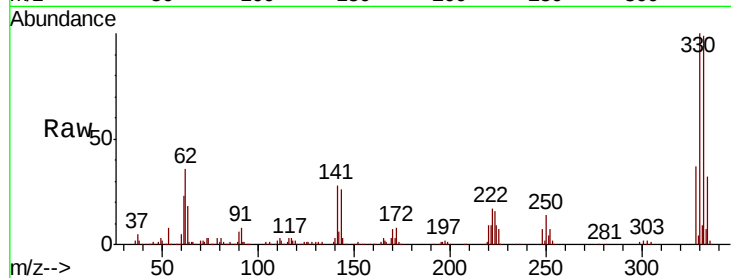




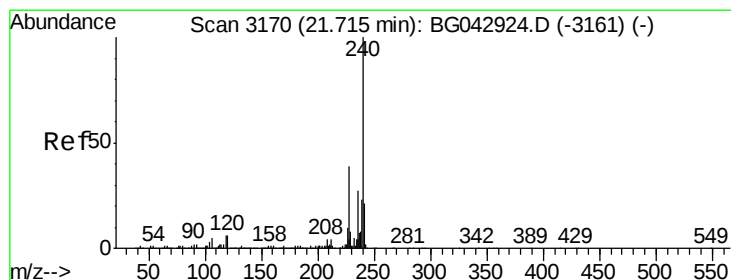
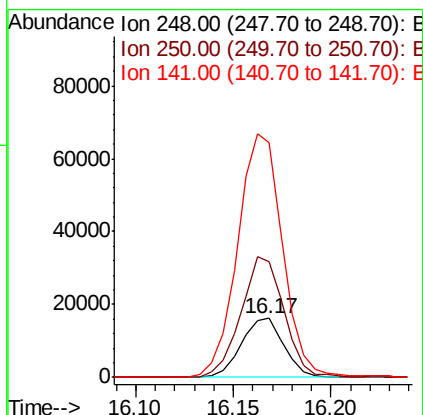
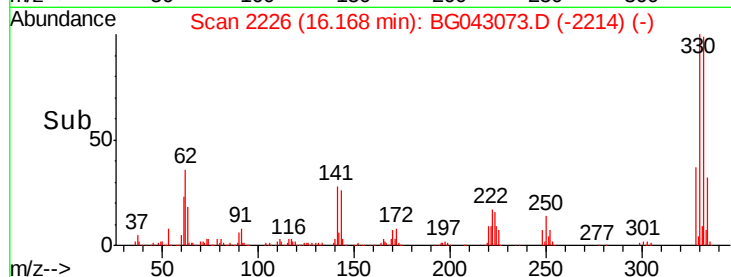
#67
 4-Bromophenyl-phenylether
 Concen: 4.860 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043073.D
 Acq: 7 Oct 2019 18:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 24433
 Ion Ratio Lower Upper
 248 100
 250 195.4 75.8 113.8#
 141 399.6 51.1 76.7#

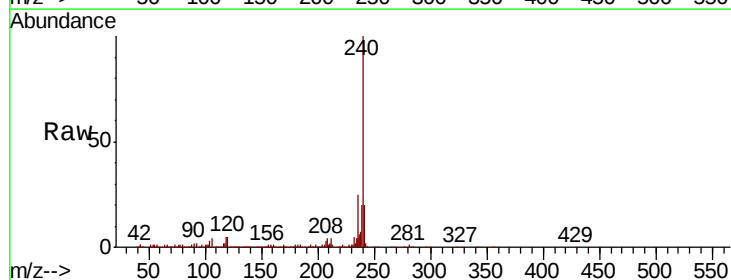


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

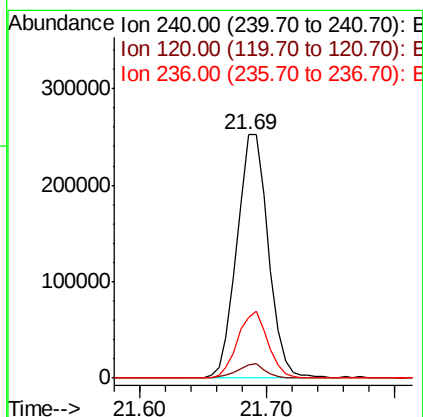
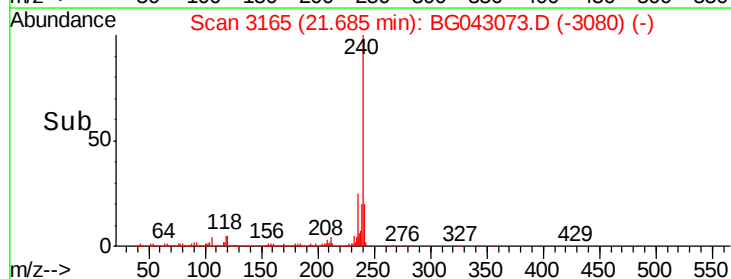


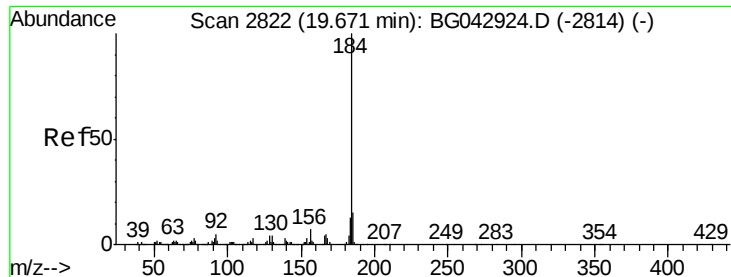
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.03 min
 Lab File: BG043073.D
 Acq: 7 Oct 2019 18:32

Tgt Ion:240 Resp: 434587
 Ion Ratio Lower Upper
 240 100
 120 5.3 4.8 7.2
 236 24.8 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: 2.824 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

Instrument :

BNA_G

ClientSampleId :

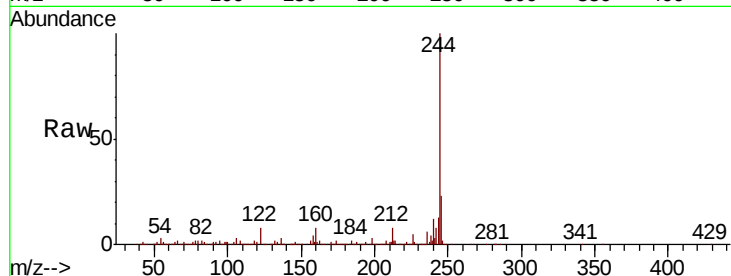
Tot Ion:184 Resp: 30731

Ion Ratio Lower Upper

184 100

185 15.2 11.8 17.8

183 8.4 10.1 15.1#

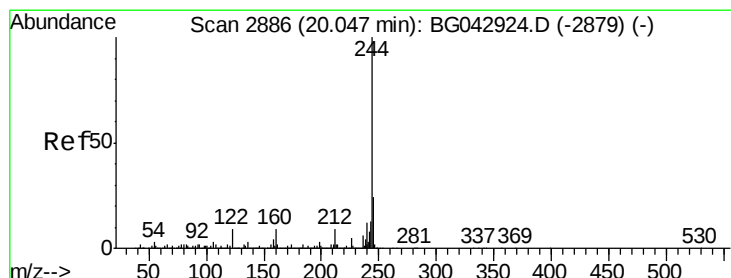
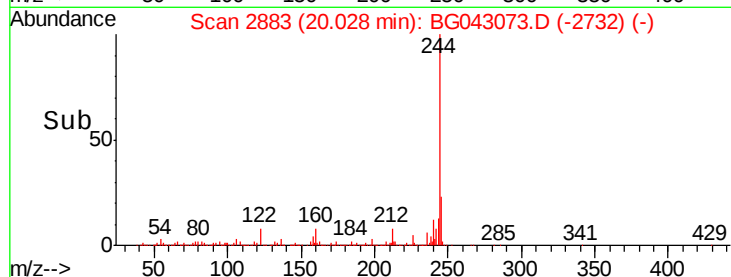
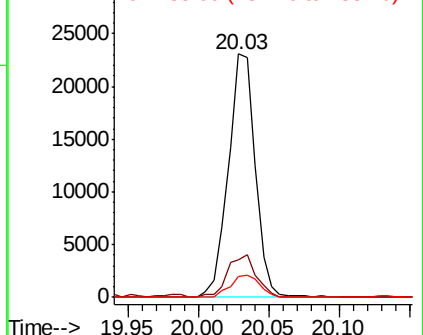


Abundance

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: 93.578 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

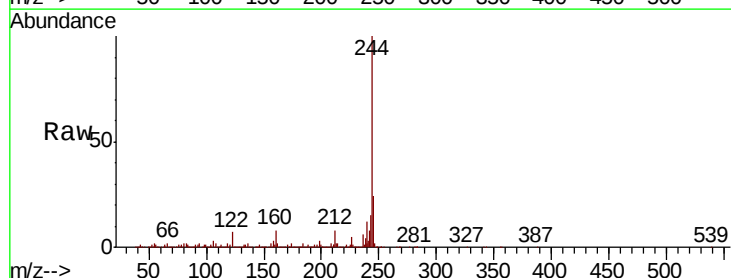
Tgt Ion:244 Resp: 1908492

Ion Ratio Lower Upper

244 100

212 8.1 7.4 11.0

122 7.3 7.0 10.4

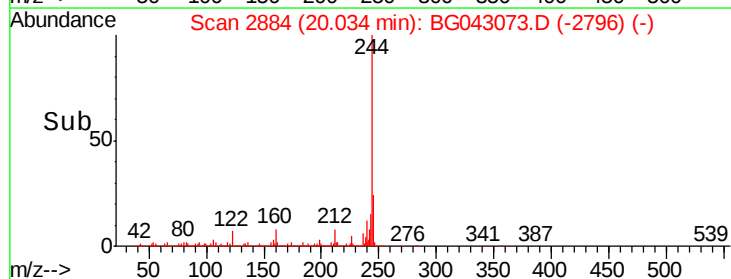
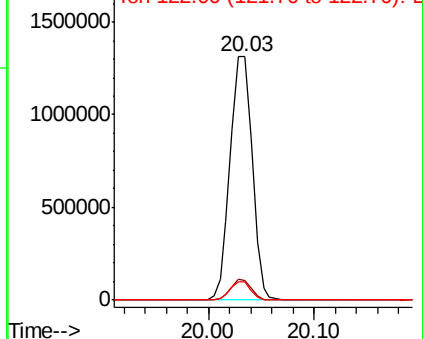


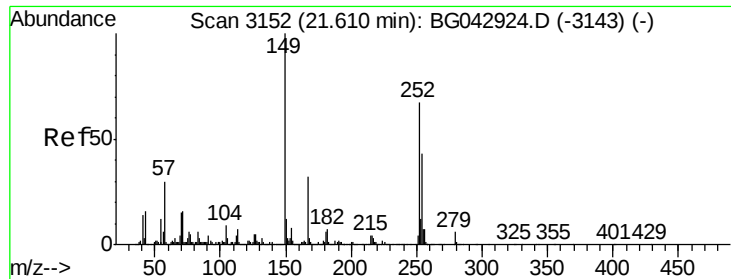
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.429 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.03 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

Instrument :

BNA_G

ClientSampleId :

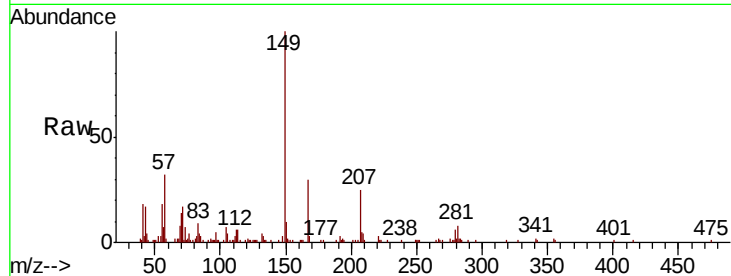
Tot Ion:149 Resp: 34034

Ion Ratio Lower Upper

149 100

167 30.0 25.4 38.2

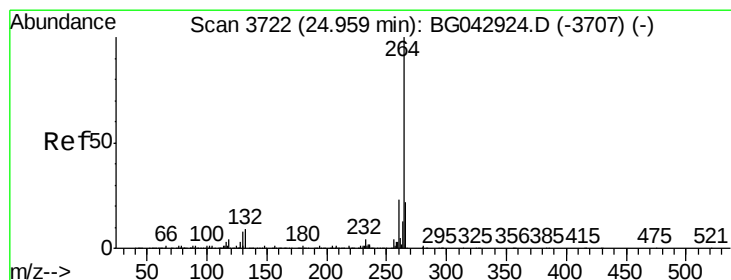
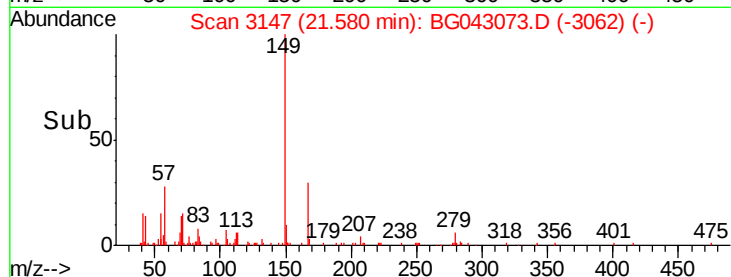
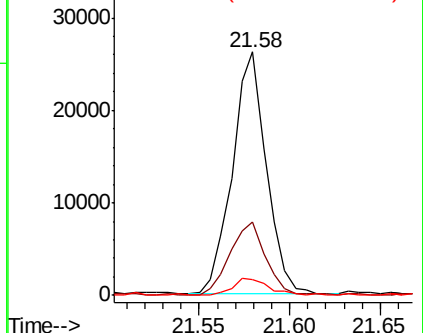
279 6.3 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043073.D

Acq: 7 Oct 2019 18:32

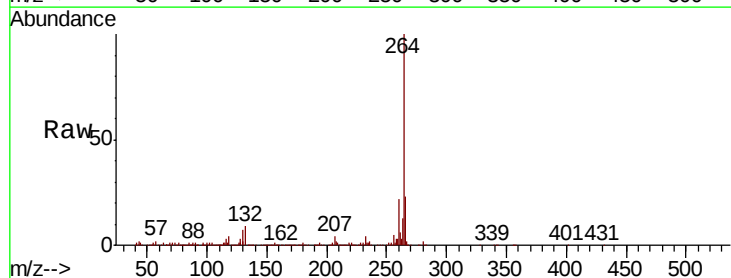
Tgt Ion:264 Resp: 505185

Ion Ratio Lower Upper

264 100

260 22.2 18.7 28.1

265 22.8 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

