

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043075.D
 Acq On : 7 Oct 2019 19:48
 Operator : JU
 Sample : K5154-23
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 01:49:04 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	50545	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	195798	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	157323	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	406146	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	438414	20.00	ng	-0.03
87) Perylene-d12	24.90	264	515358	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	235016	82.98	ng	-0.02
7) Phenol-d6	7.23	99	214493	52.59	ng	-0.01
23) Nitrobenzene-d5	9.22	82	326658	81.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	370304	136.88	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	893311	82.32	ng	-0.02
79) Terphenyl-d14	20.03	244	1926854	93.65	ng	-0.01

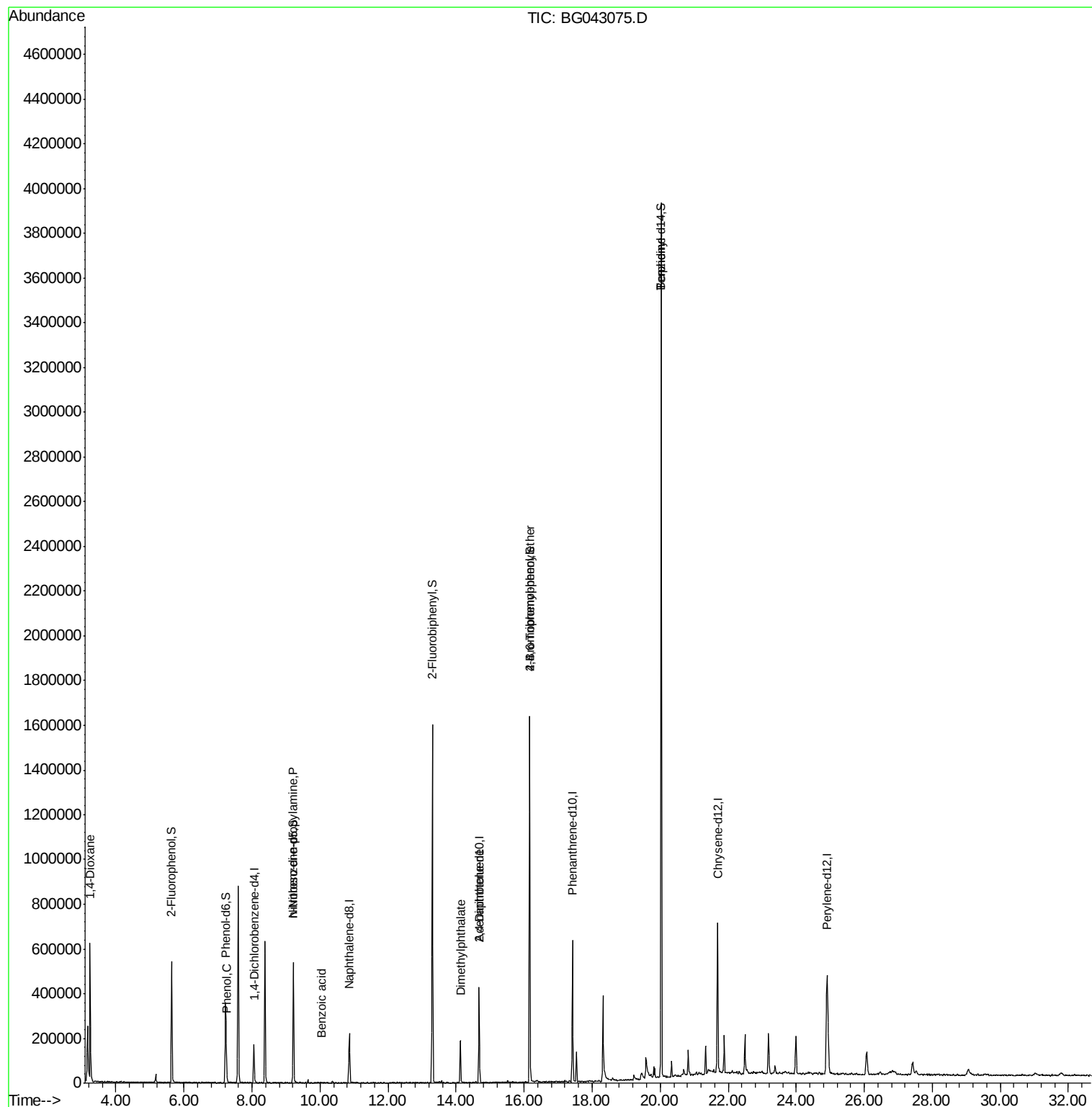
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	5395	4.569	ng	# 1
10) Phenol	7.25	94	25586	6.838	ng	# 97
19) n-Nitroso-di-n-propylamine	9.22	70	46383	17.319	ng	# 67
32) Benzoic acid	10.04	122	82	2.844	ng	# 1
50) Dimethylphthalate	14.13	163	133312	11.309	ng	# 97
57) 2,4-Dinitrotoluene	14.67	165	20225	5.502	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	23840	4.677	ng	# 1
77) Benzidine	20.03	184	32415	2.953	ng	# 93

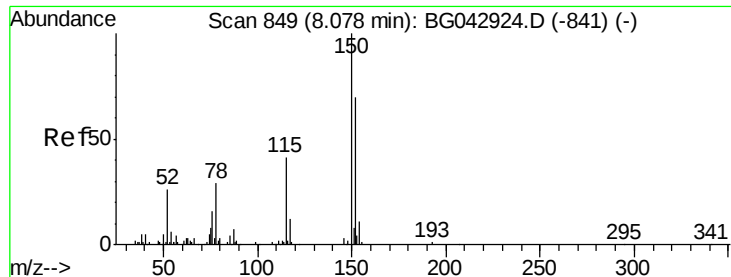
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

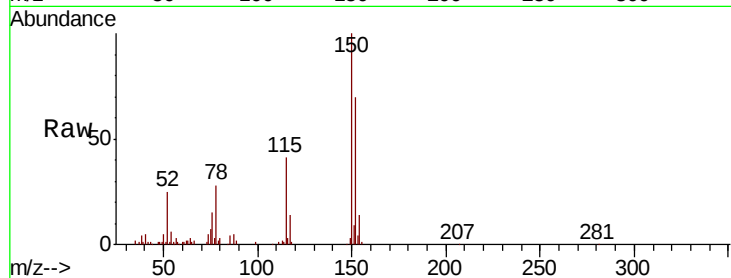
Tot Ion:152 Resp: 50545

Ion Ratio Lower Upper

152 100

150 143.4 115.0 172.4

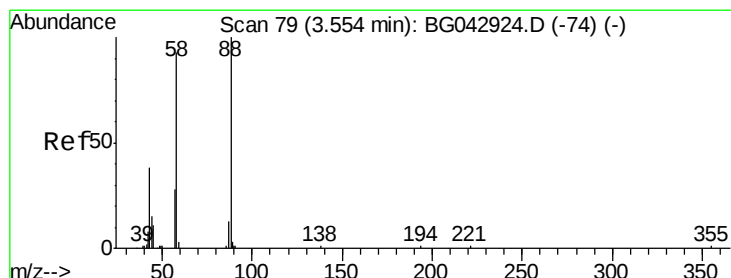
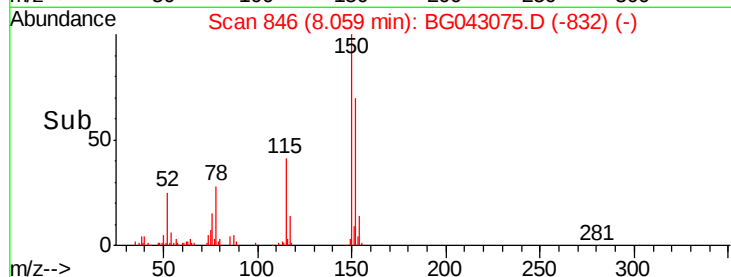
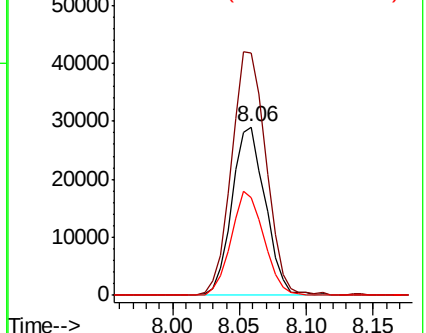
115 58.1 47.0 70.6



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: 4.569 ng

RT: 3.24 min Scan# 26

Delta R.T. -0.31 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

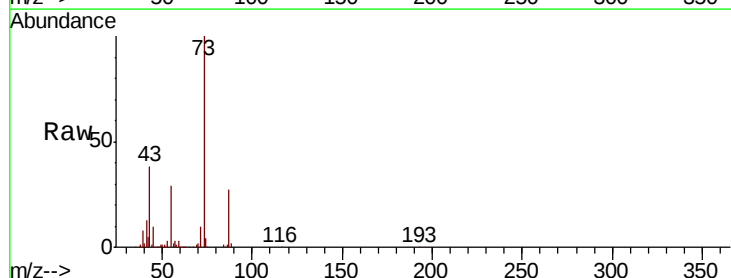
Tgt Ion: 88 Resp: 5395

Ion Ratio Lower Upper

88 100

58 45.0 74.3 111.5#

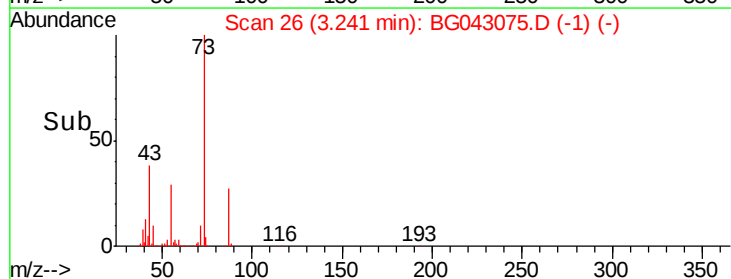
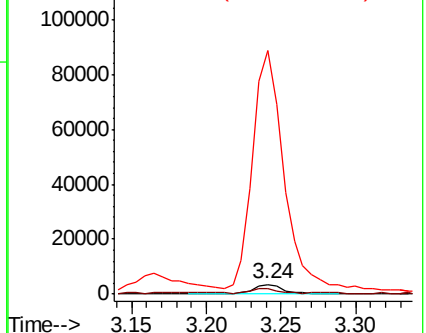
43 2438.8 29.8 44.8#

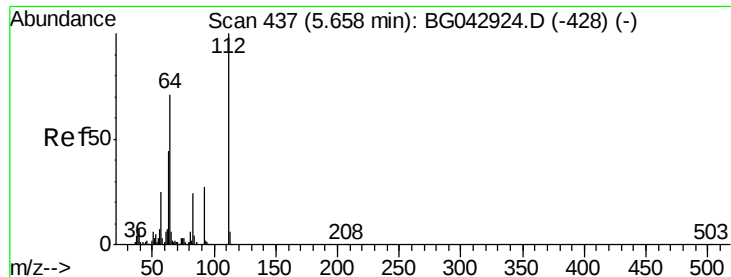


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 82.978 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

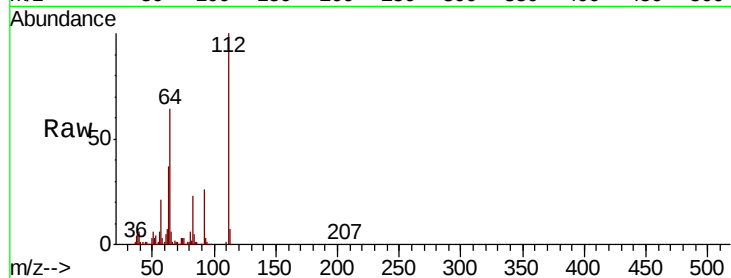
Tot Ion:112 Resp: 235016

Ion Ratio Lower Upper

112 100

64 64.3 56.6 84.8

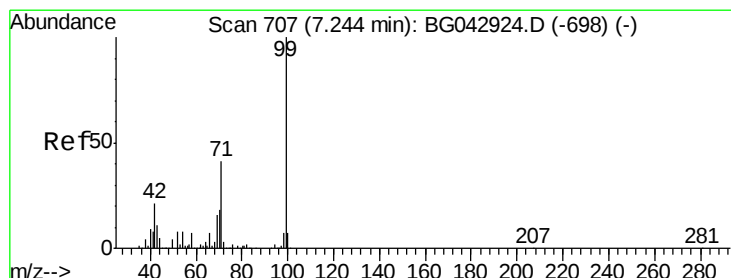
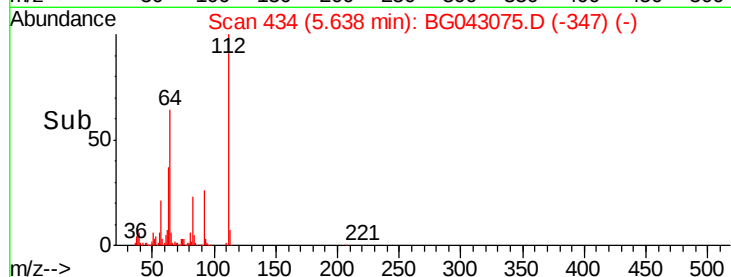
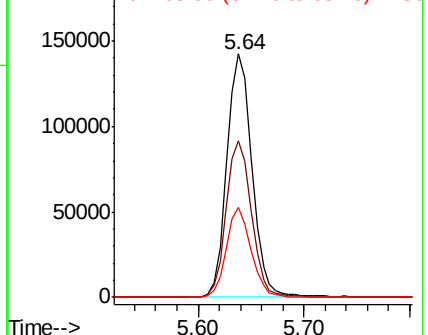
63 36.7 35.1 52.7



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: 52.590 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

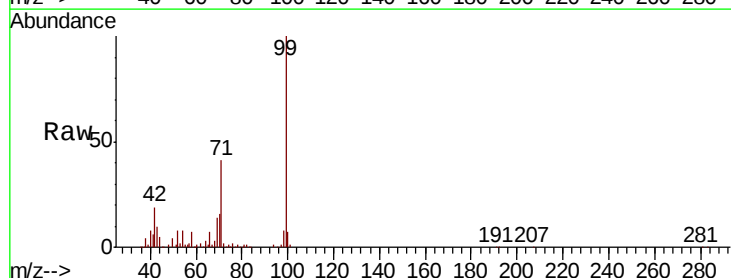
Tgt Ion: 99 Resp: 214493

Ion Ratio Lower Upper

99 100

42 19.2 17.2 25.8

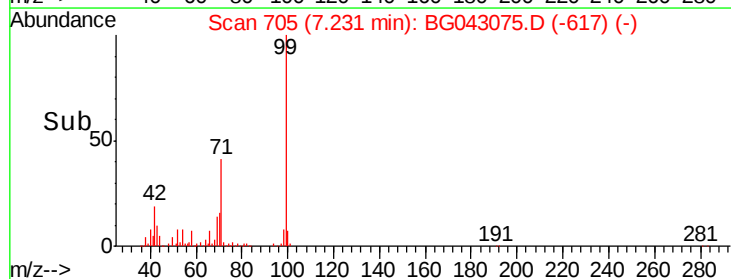
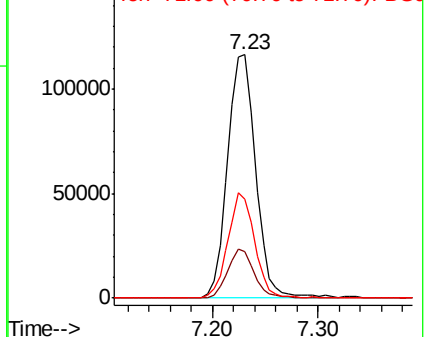
71 40.9 33.1 49.7

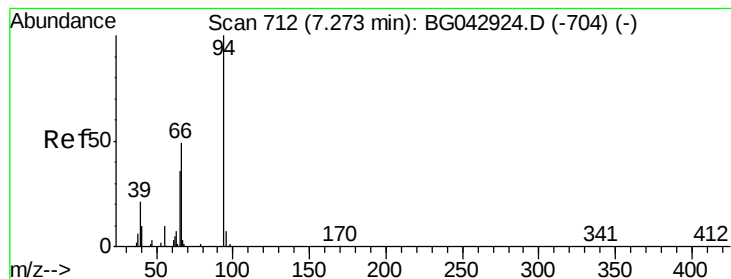


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.838 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

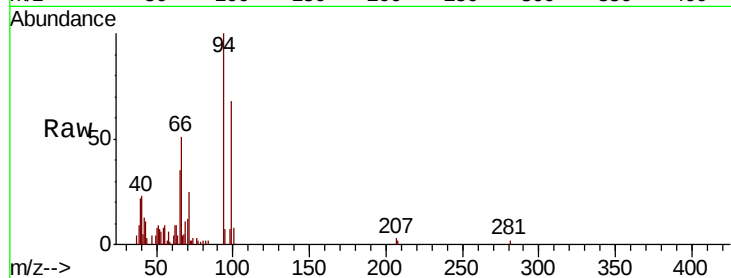
Tot Ion: 94 Resp: 25586

Ion Ratio Lower Upper

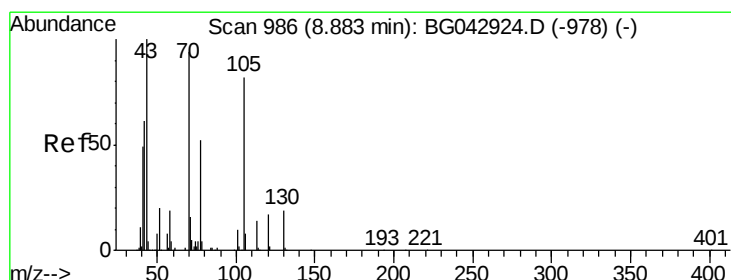
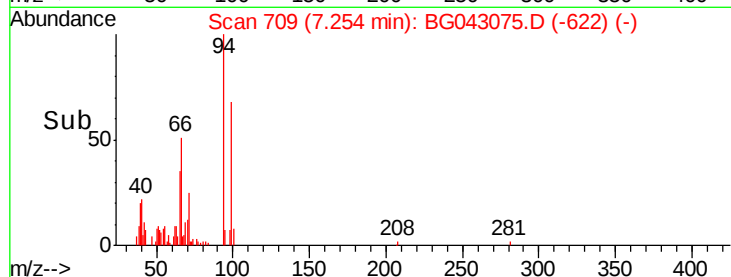
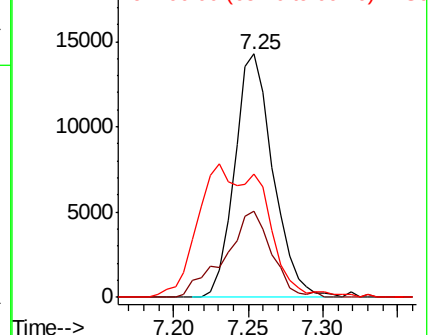
94 100

65 35.2 16.6 56.6

66 50.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.319 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.33 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Tgt Ion: 70 Resp: 46383

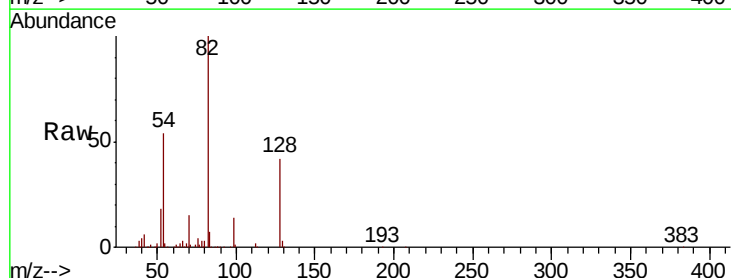
Ion Ratio Lower Upper

70 100

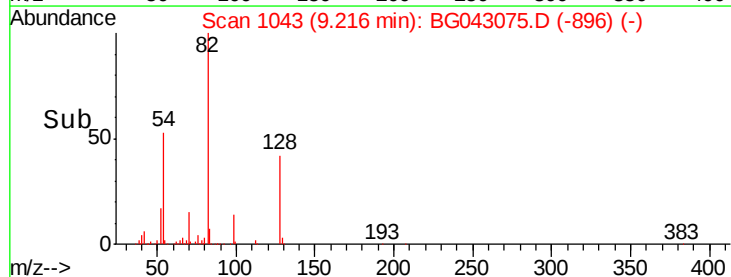
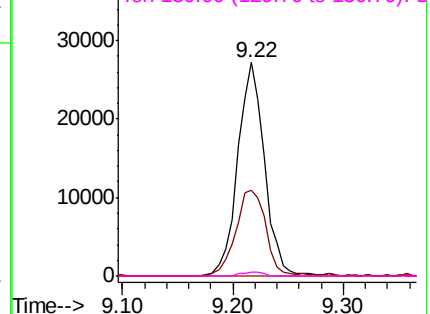
42 40.3 52.6 79.0#

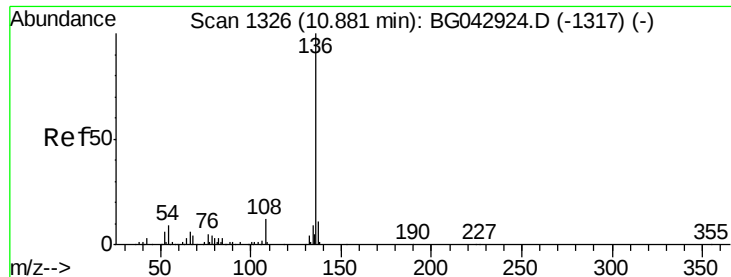
101 0.0 8.7 13.1#

130 1.5 15.8 23.8#



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

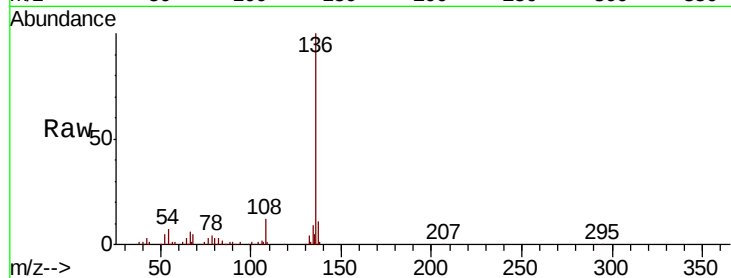




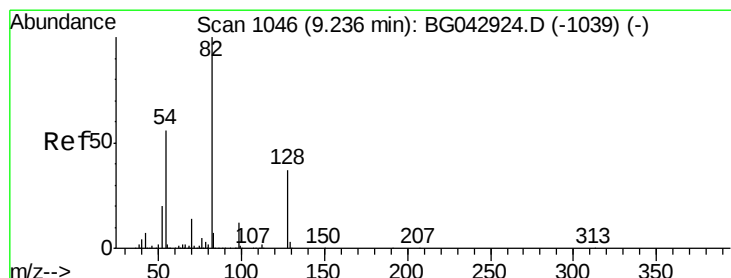
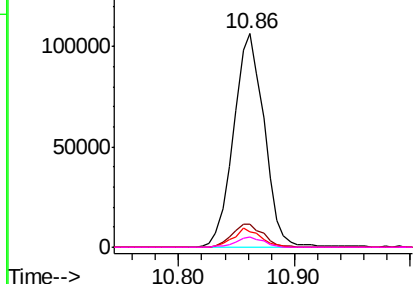
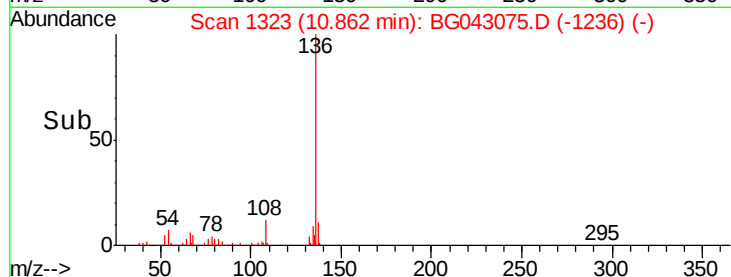
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	195798
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	7.1	7.4 11.2#
68	5.0	3.6 5.4

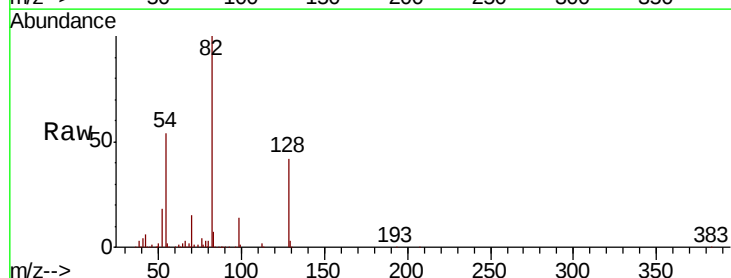


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

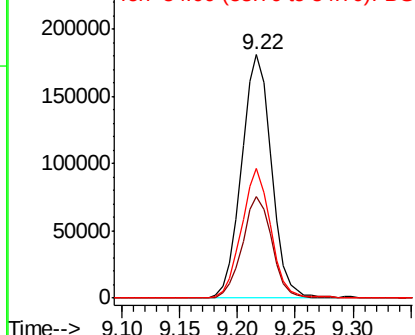
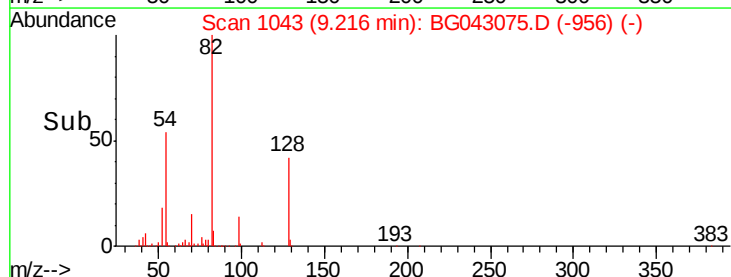


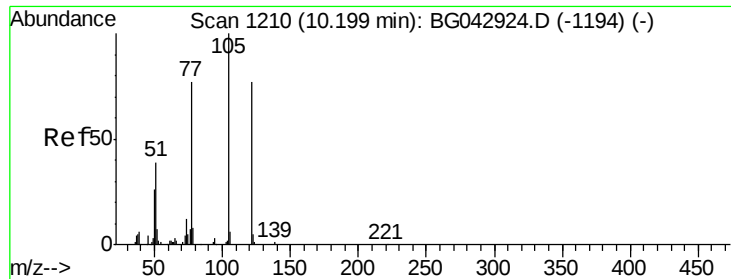
#23
Nitrobenzene-d5
Concen: 81.090 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Tgt Ion: 82	Resp:	326658
Ion Ratio	Lower	Upper
82	100	
128	41.9	29.5 44.3
54	53.5	44.6 67.0



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

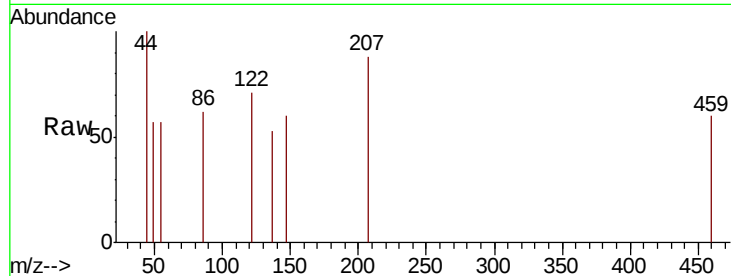




#32
Benzoic acid
Concen: 2.844 ng
RT: 10.04 min Scan# 1184
Delta R.T. -0.15 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

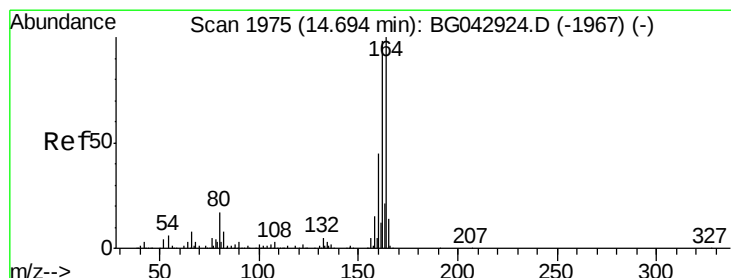
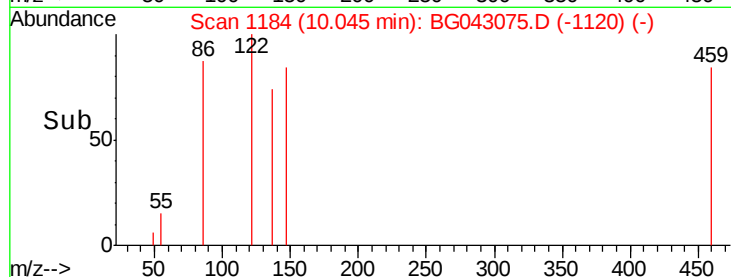
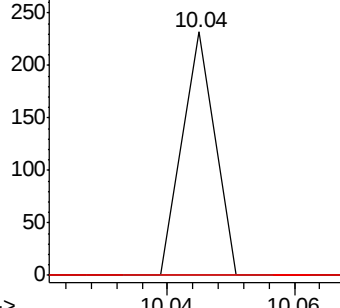


Abundance

Ion 122.00 (121.70 to 122.70): E

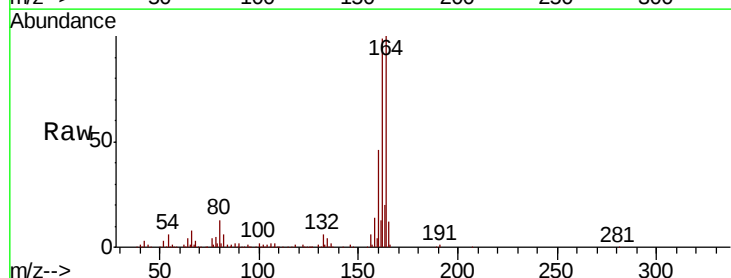
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.02 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.5	117.7
160	46.0	35.9	53.9

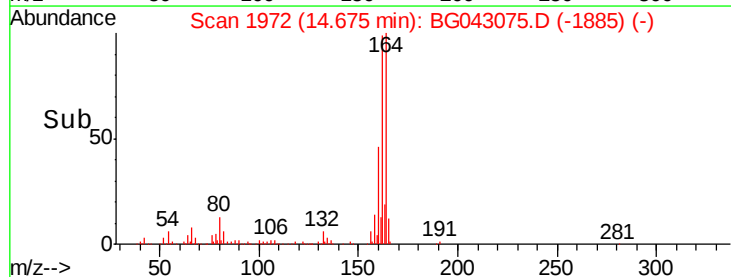
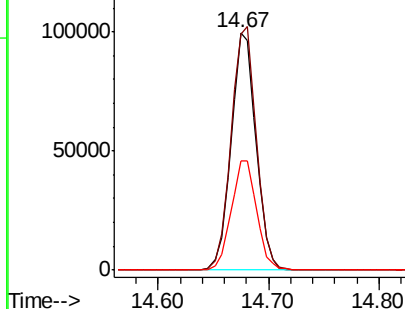


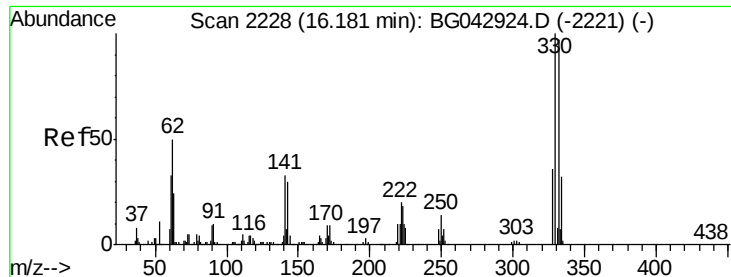
Abundance

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

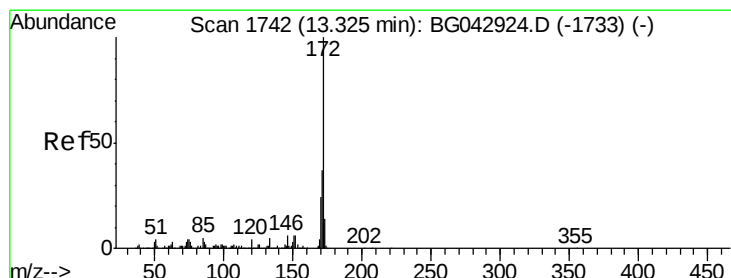
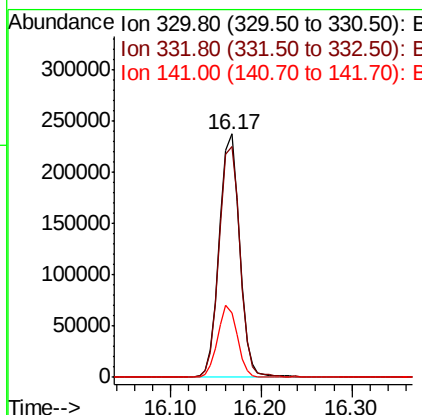
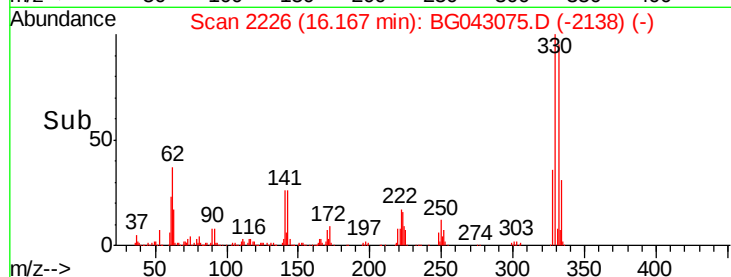
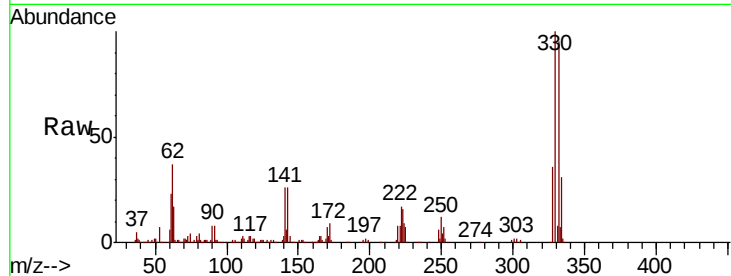




#42
2,4,6-Tribromophenol
Concen: 136.883 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

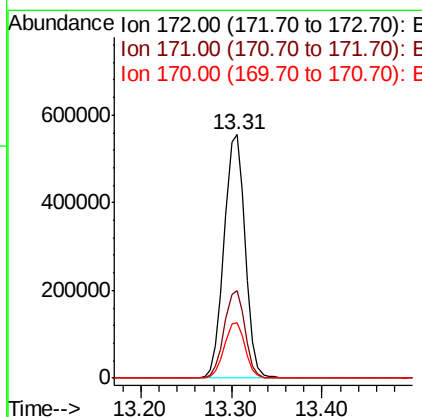
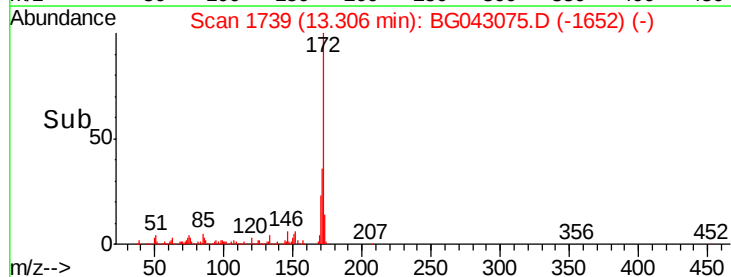
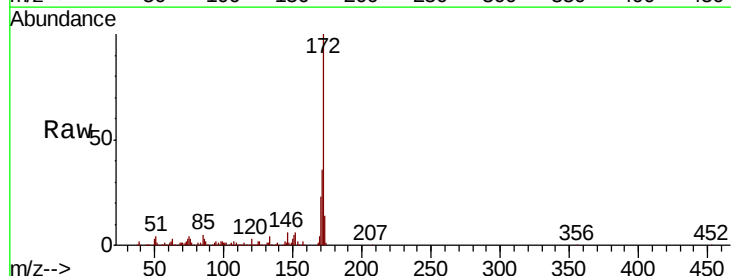
Instrument :
BNA_G
ClientSampleId :

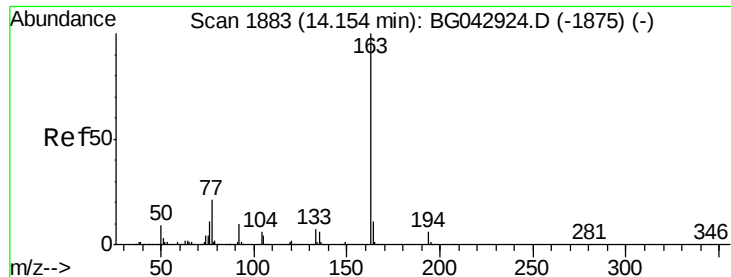
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.2
141	28.5	26.0	39.0



#45
2-Fluorobiphenyl
Concen: 82.317 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	22.9	19.6	29.4

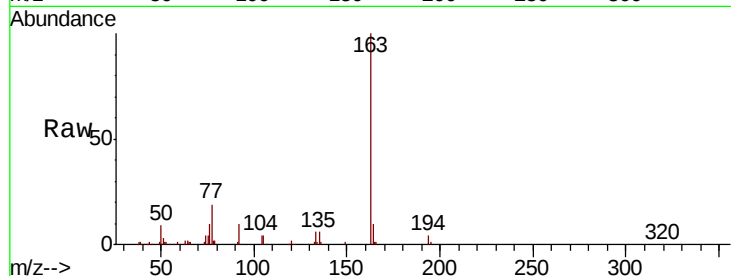




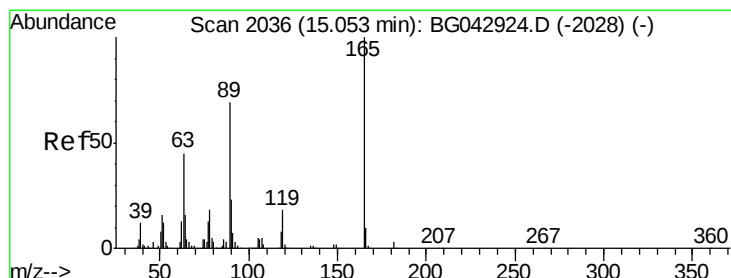
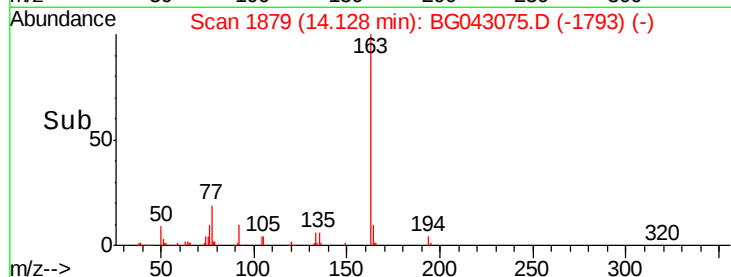
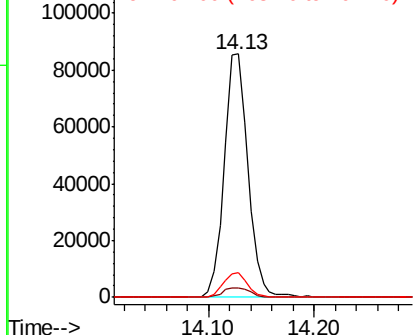
#50
Dimethylphthalate
Concen: 11.309 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 133312
Ion Ratio Lower Upper
163 100
194 4.0 4.4 6.6#
164 10.1 8.6 12.8

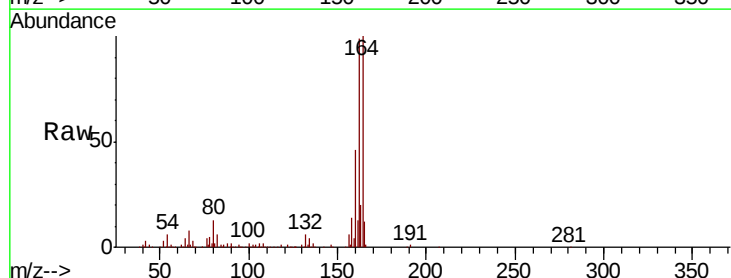


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

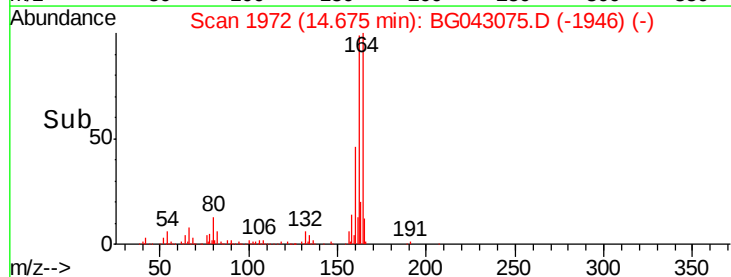
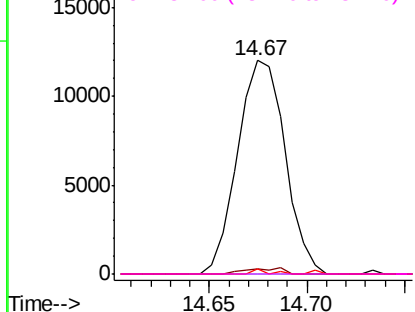


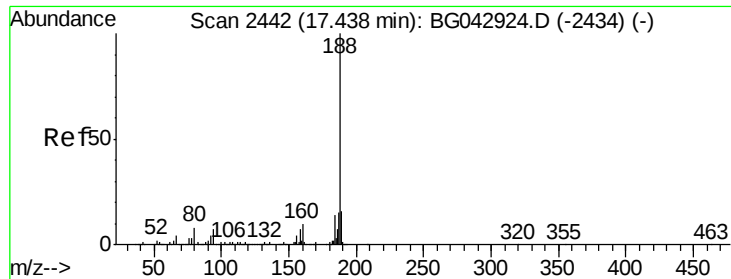
#57
2,4-Dinitrotoluene
Concen: 5.502 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.38 min
Lab File: BG043075.D
Acq: 7 Oct 2019 19:48

Tgt Ion:165 Resp: 20225
Ion Ratio Lower Upper
165 100
63 2.3 36.5 54.7#
89 2.3 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: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

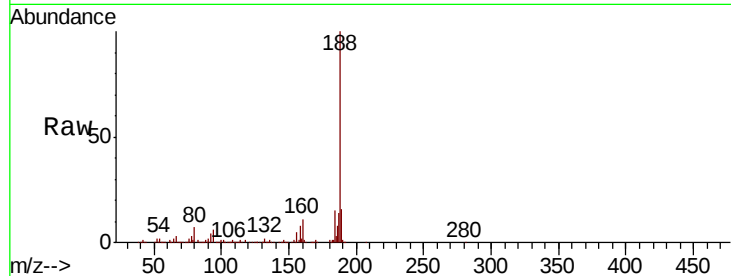
Tot Ion:188 Resp: 406146

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

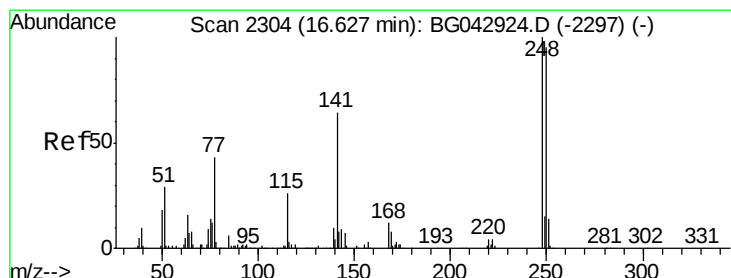
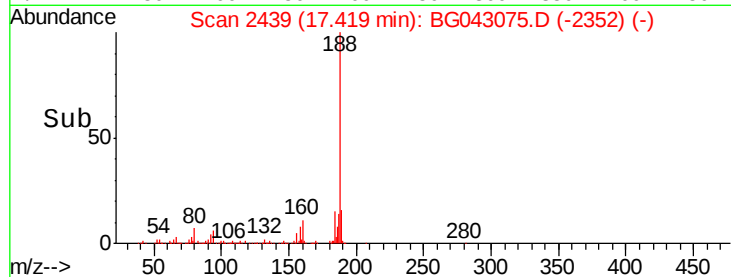
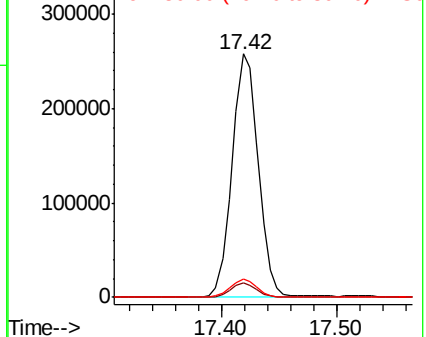
80 7.4 6.5 9.7



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: 4.677 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

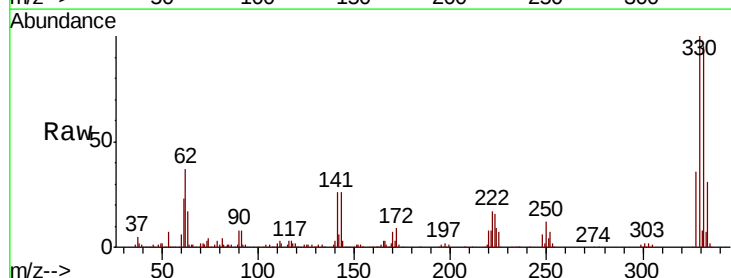
Tgt Ion:248 Resp: 23840

Ion Ratio Lower Upper

248 100

250 201.5 75.8 113.8#

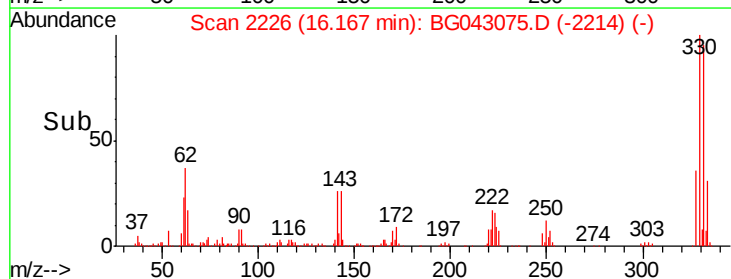
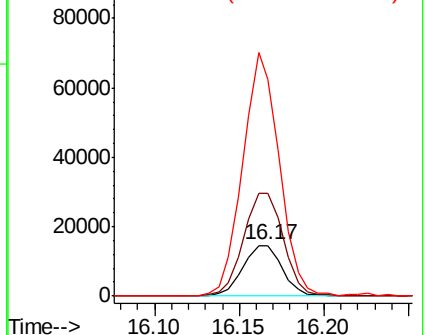
141 426.4 51.1 76.7#

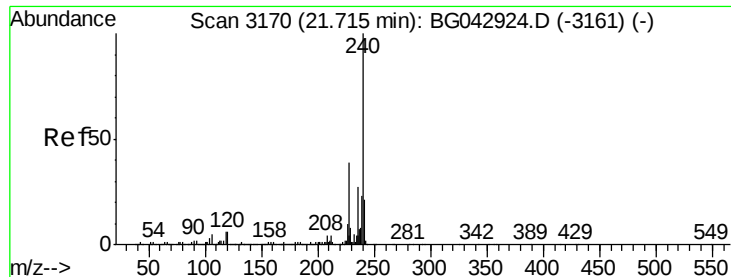


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3166

Delta R.T. -0.03 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

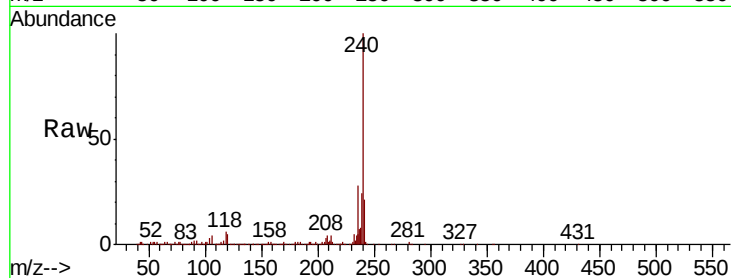
Tot Ion:240 Resp: 438414

Ion Ratio Lower Upper

240 100

120 5.0 4.8 7.2

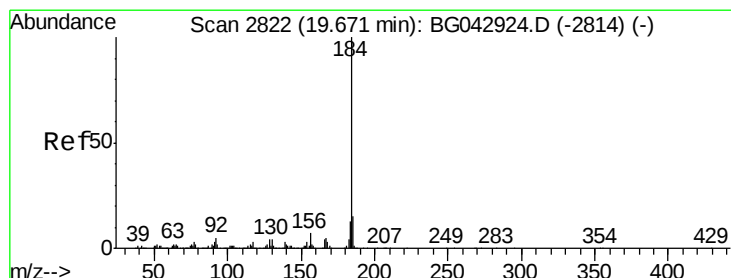
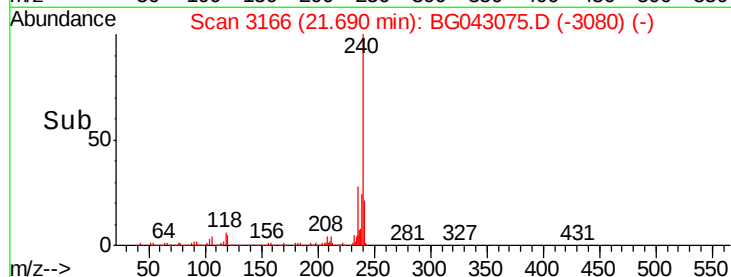
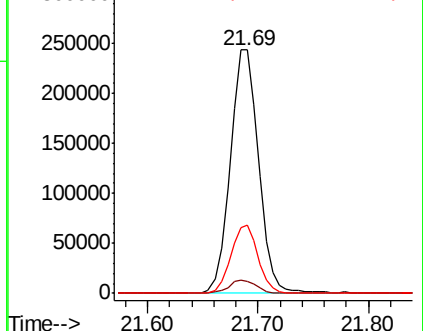
236 27.9 21.4 32.0



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: 2.953 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

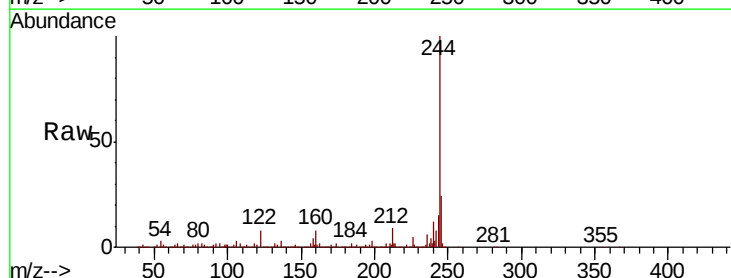
Tgt Ion:184 Resp: 32415

Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.8

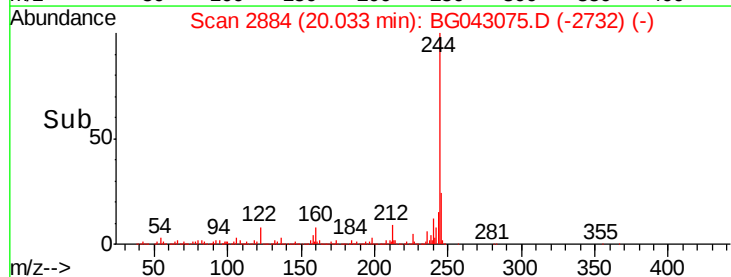
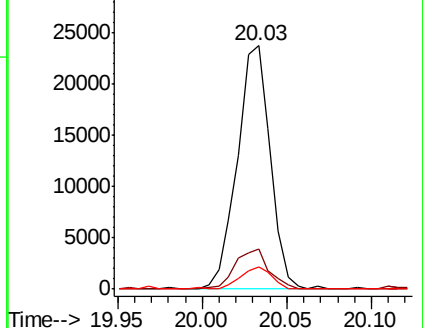
183 9.0 10.1 15.1#

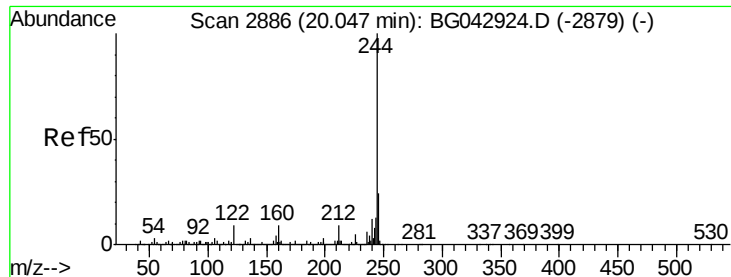


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 93.653 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

Instrument :

BNA_G

ClientSampleId :

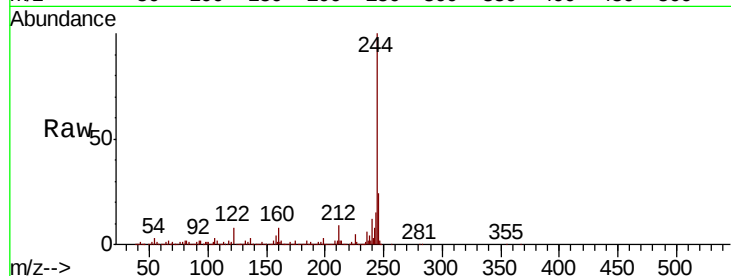
Tot Ion:244 Resp: 1926854

Ion Ratio Lower Upper

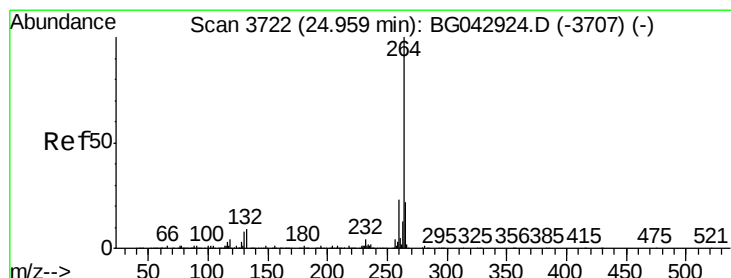
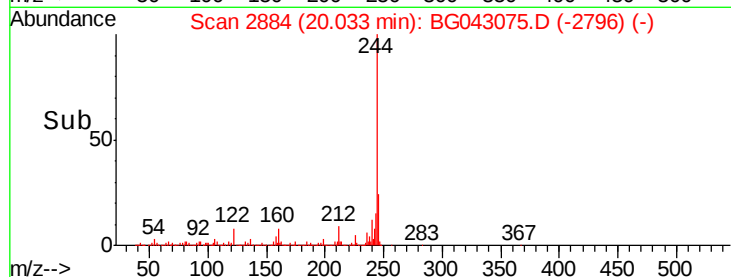
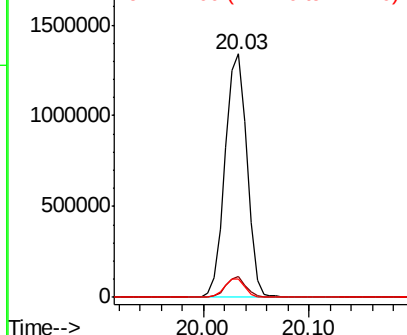
244 100

212 8.6 7.4 11.0

122 7.7 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

Perylene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043075.D

Acq: 7 Oct 2019 19:48

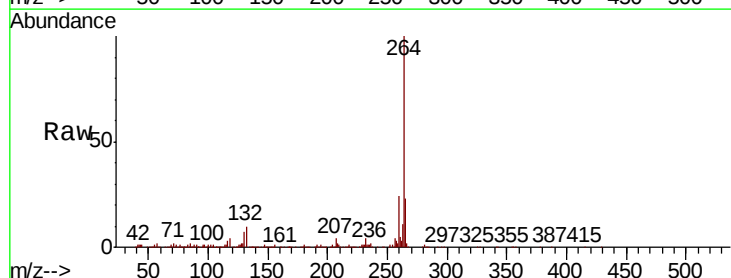
Tgt Ion:264 Resp: 515358

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.6 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

