

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100319\
 Data File : BG043023.D
 Acq On : 4 Oct 2019 3:44
 Operator : JU
 Sample : K5181-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-3-ABCD

Quant Time: Oct 04 06:36:11 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

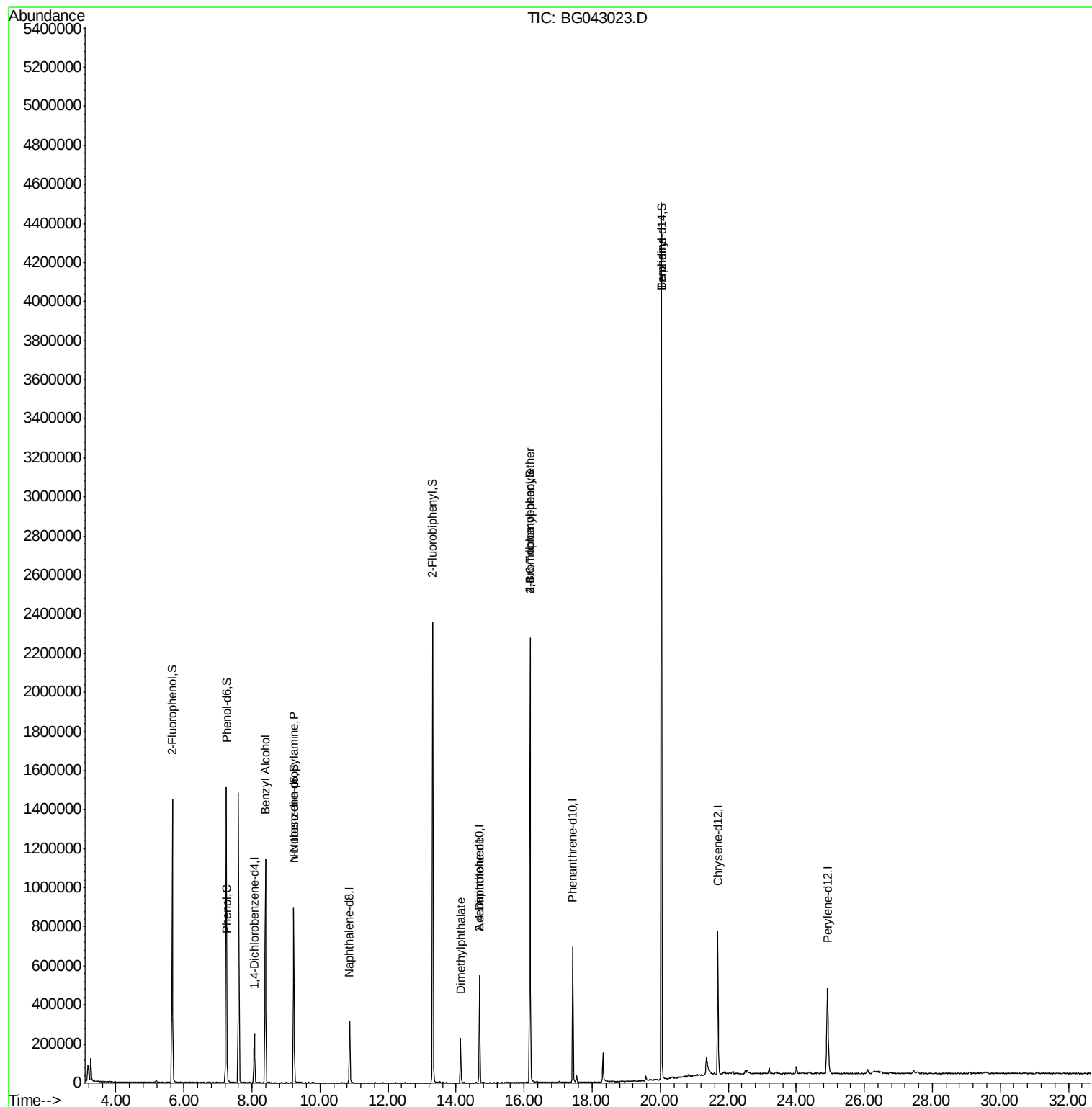
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	73760	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	268926	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	193998	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	436618	20.00	ng	0.00
76) Chrysene-d12	21.69	240	452065	20.00	ng	-0.02
87) Perylene-d12	24.92	264	525444	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	614533	148.69	ng	0.00
7) Phenol-d6	7.24	99	887391	149.09	ng	0.00
23) Nitrobenzene-d5	9.23	82	568188	102.69	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	477113	143.02	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1309578	97.86	ng	-0.02
79) Terphenyl-d14	20.04	244	2103792	99.17	ng	0.00
Target Compounds						
10) Phenol	7.26	94	20802	3.809	ng	83
15) Benzyl Alcohol	8.39	79	9084	2.030	ng	# 53
19) n-Nitroso-di-n-propylamine	9.23	70	81148	20.764	ng	# 70
50) Dimethylphthalate	14.13	163	161625	11.119	ng	97
57) 2,4-Dinitrotoluene	14.68	165	25311	5.584	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	33106	6.041	ng	# 1
77) Benzidine	20.04	184	35525	3.138	ng	# 94

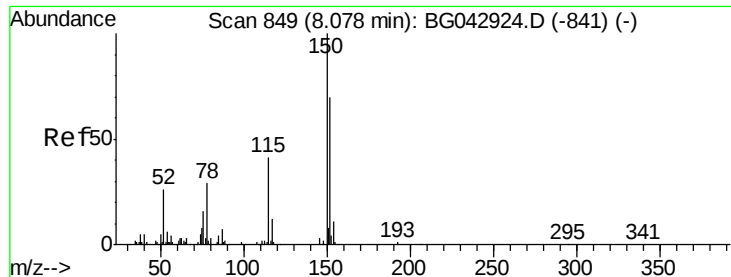
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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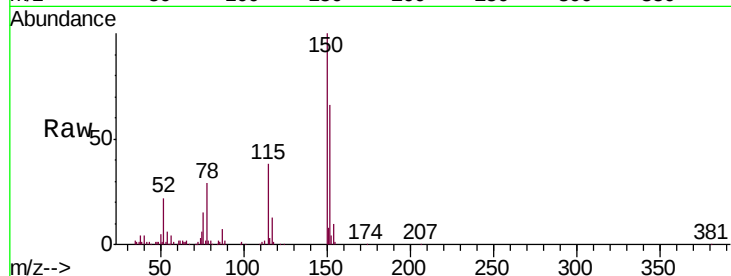


#1

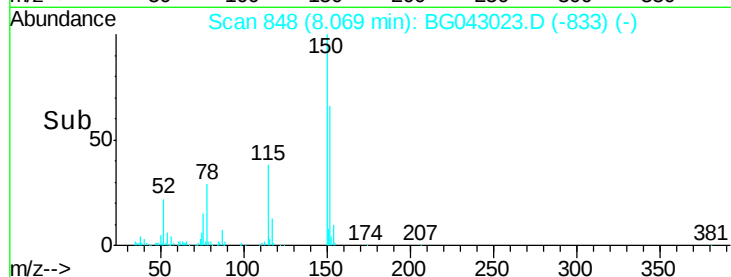
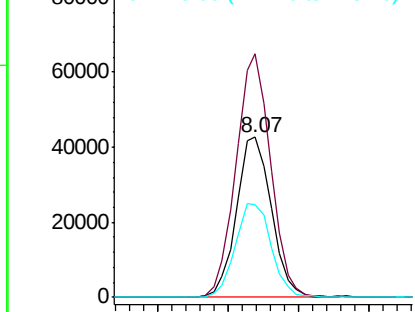
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG043023.D
Acq: 4 Oct 2019 3:44

Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-3-ABCD

Tgt Ion:152 Resp: 73760
Ion Ratio Lower Upper
152 100
150 151.9 115.0 172.4
115 58.0 47.0 70.6



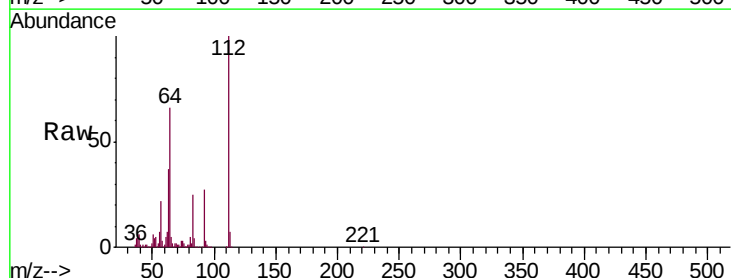
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



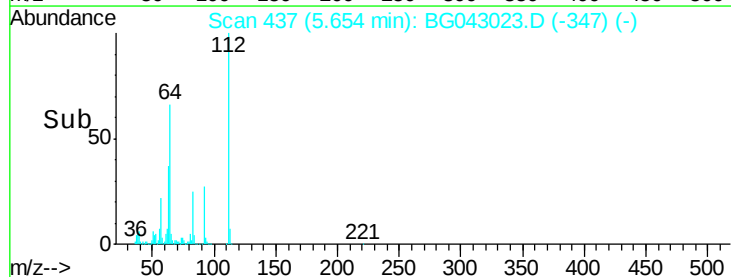
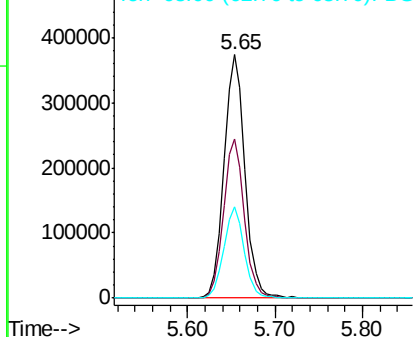
#5

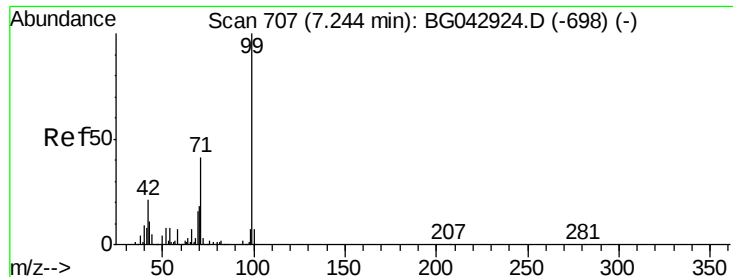
2-Fluorophenol
Concen: 148.686 ng
RT: 5.65 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG043023.D
Acq: 4 Oct 2019 3:44

Tgt Ion:112 Resp: 614533
Ion Ratio Lower Upper
112 100
64 65.6 56.6 84.8
63 37.3 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 149.094 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

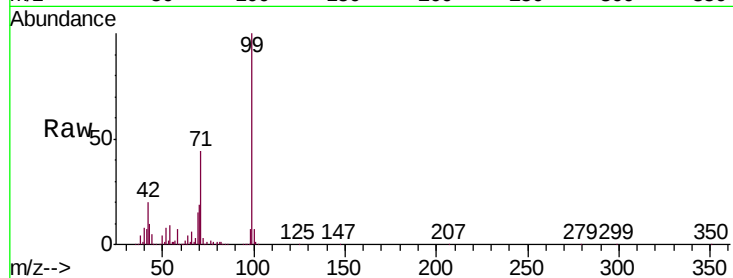
Tgt Ion: 99 Resp: 887391

Ion Ratio Lower Upper

99 100

42 19.6 17.2 25.8

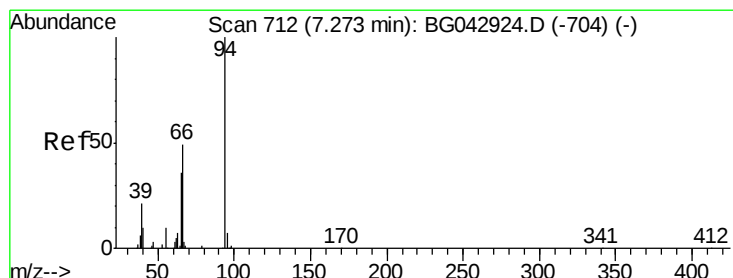
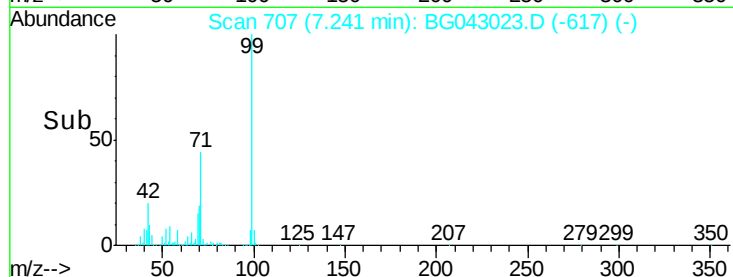
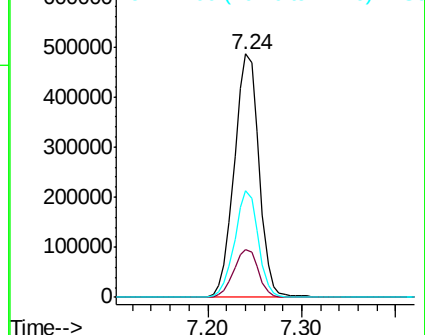
71 43.8 33.1 49.7



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: 3.809 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

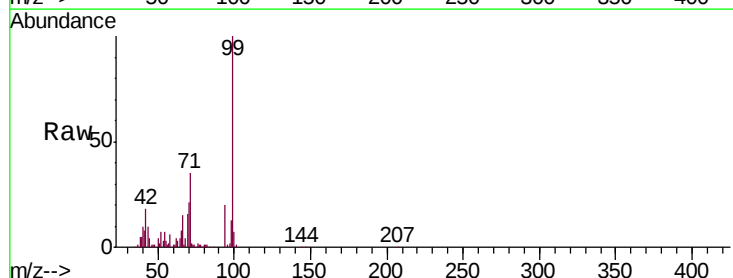
Tgt Ion: 94 Resp: 20802

Ion Ratio Lower Upper

94 100

65 38.3 16.6 56.6

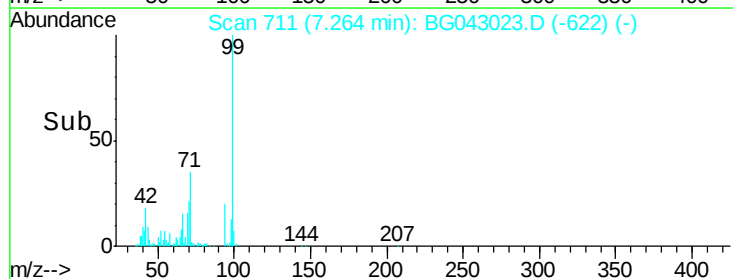
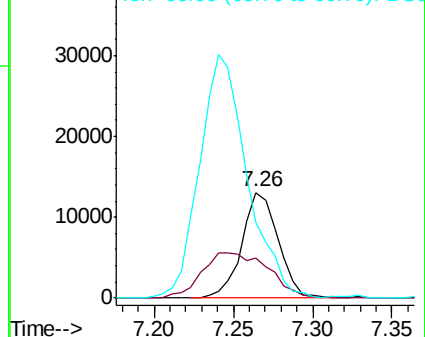
66 71.1 32.4 72.4

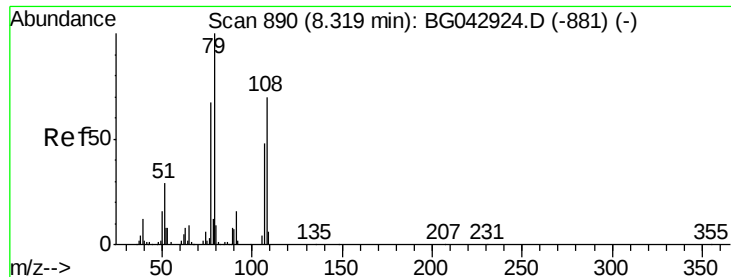


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.030 ng

RT: 8.39 min Scan# 903

Delta R.T. 0.07 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

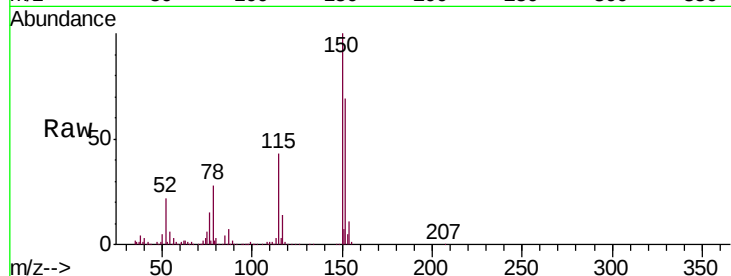
Tgt Ion: 79 Resp: 9084

Ion Ratio Lower Upper

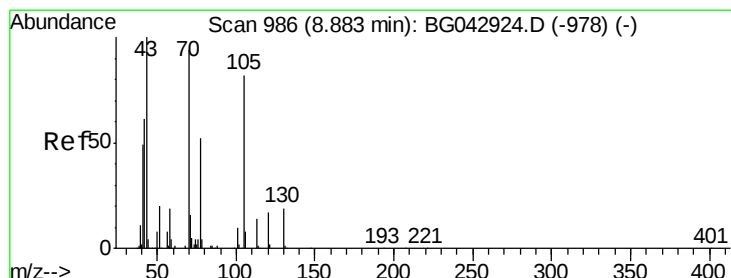
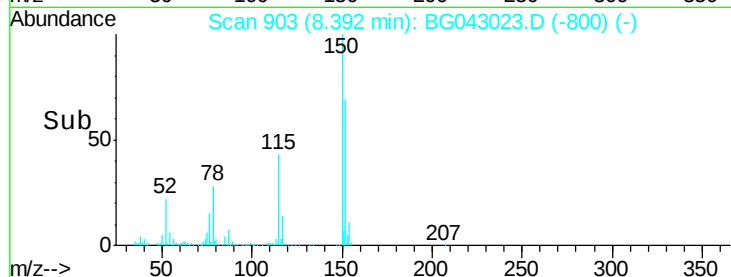
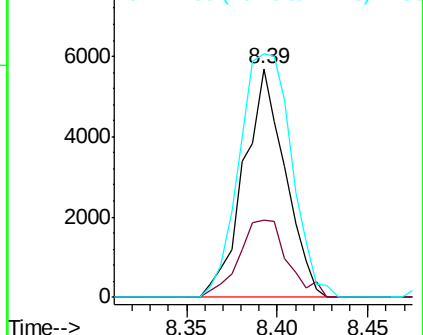
79 100

108 33.9 55.7 83.5#

77 106.5 53.3 79.9#



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: 20.764 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Tgt Ion: 70 Resp: 81148

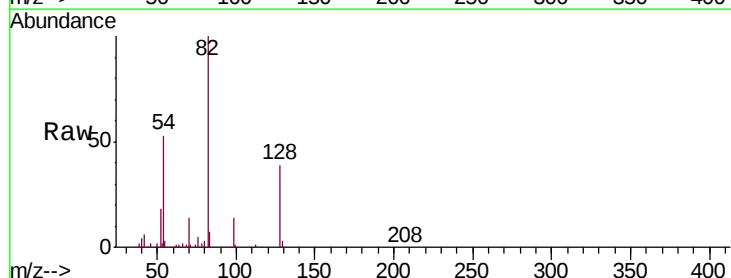
Ion Ratio Lower Upper

70 100

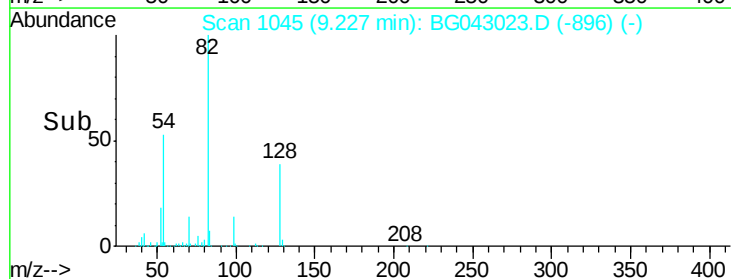
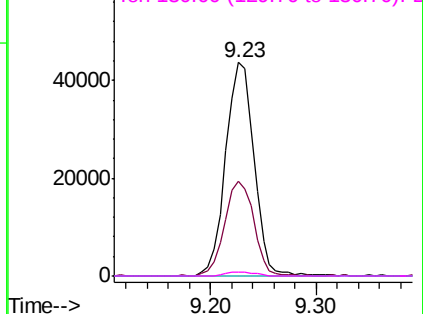
42 44.2 52.6 79.0#

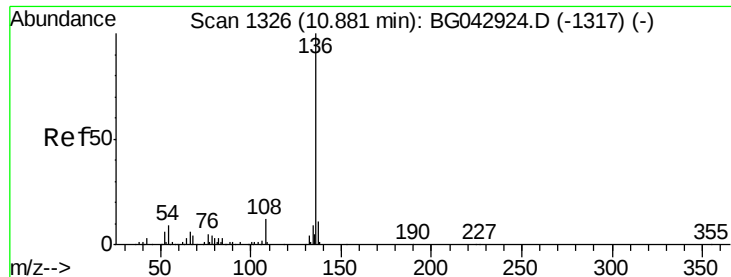
101 0.0 8.7 13.1#

130 2.0 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

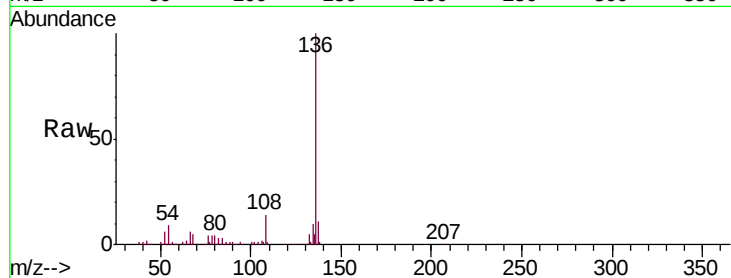




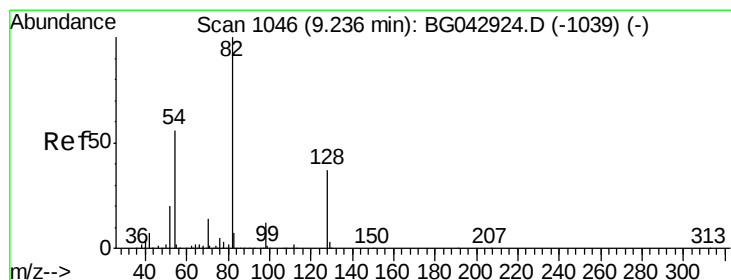
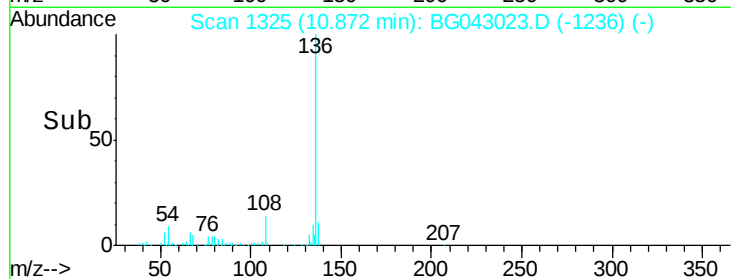
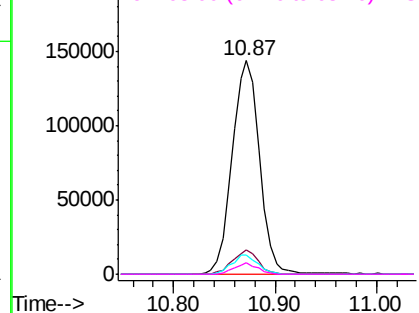
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043023.D
Acq: 4 Oct 2019 3:44

Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-3-ABCD

Tgt Ion:	136	Resp:	268926
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	8.8	7.4	11.2
68	5.2	3.6	5.4

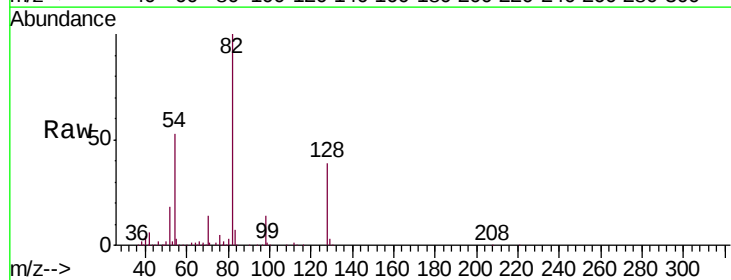


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

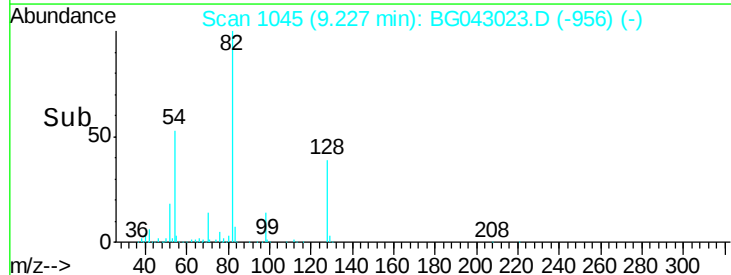
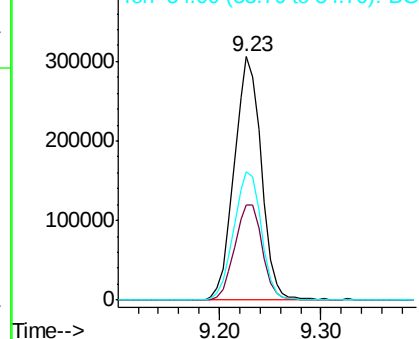


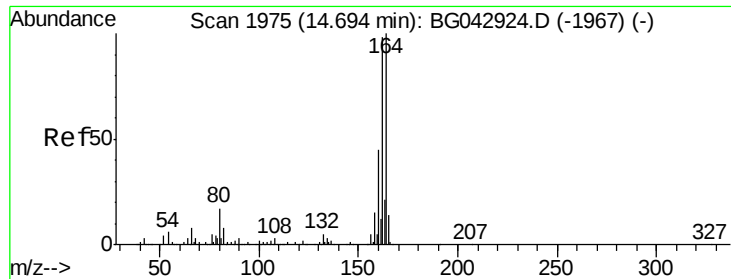
#23
Nitrobenzene-d5
Concen: 102.693 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG043023.D
Acq: 4 Oct 2019 3:44

Tgt Ion:	82	Resp:	568188
Ion	Ratio	Lower	Upper
82	100		
128	39.3	29.5	44.3
54	52.9	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: 14.68 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

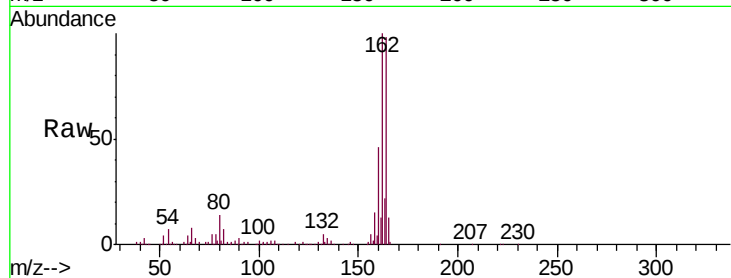
Tgt Ion:164 Resp: 193998

Ion Ratio Lower Upper

164 100

162 102.5 78.5 117.7

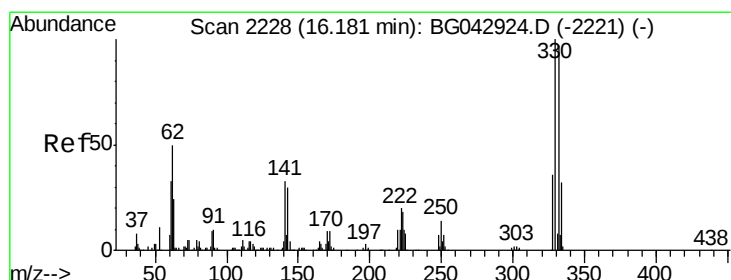
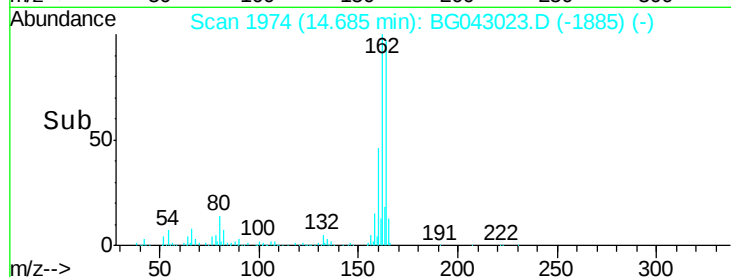
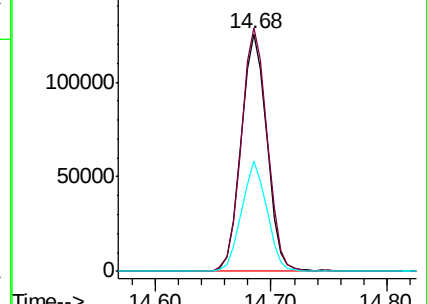
160 46.7 35.9 53.9



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: 143.023 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

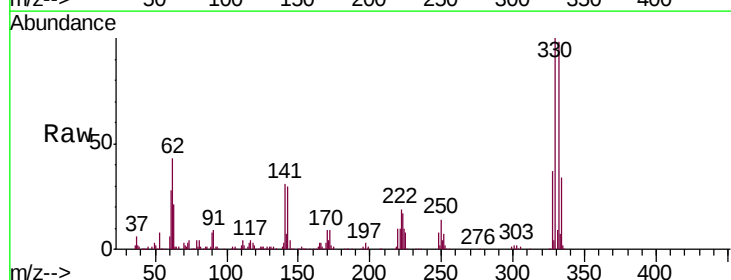
Tgt Ion:330 Resp: 477113

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

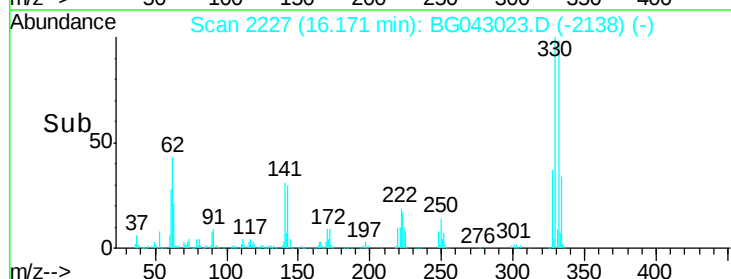
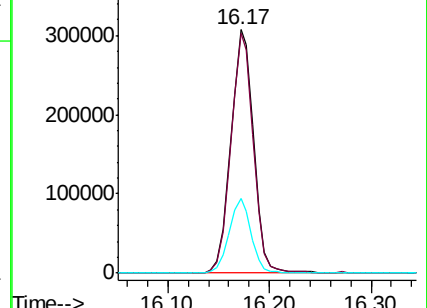
141 29.5 26.0 39.0

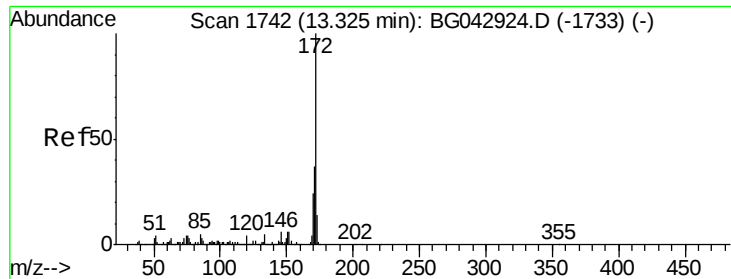


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

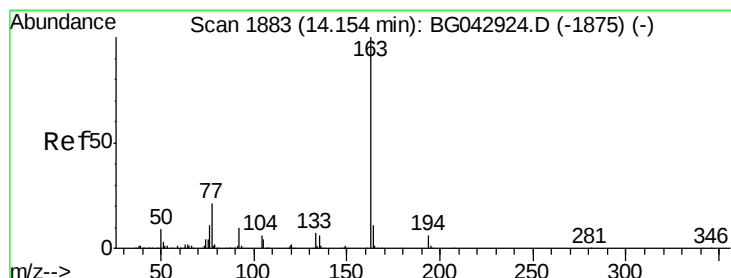
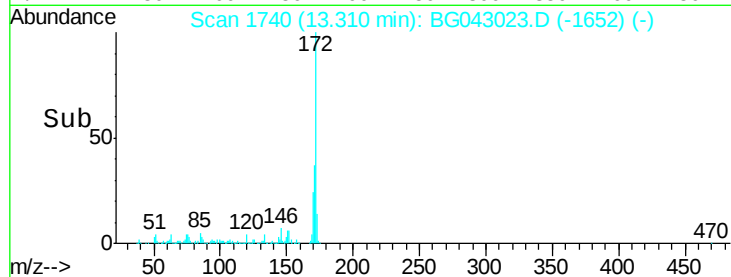
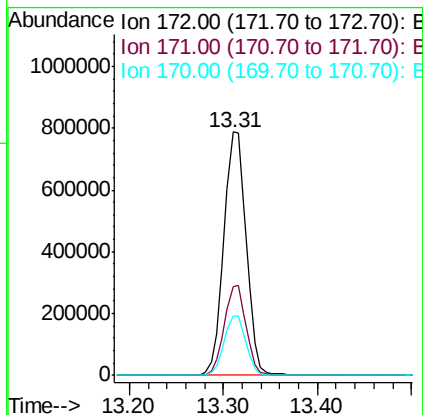
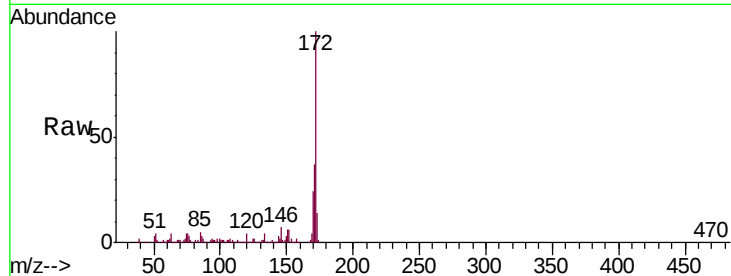




#45
 2-Fluorobiphenyl
 Concen: 97.861 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.02 min
 Lab File: BG043023.D
 Acq: 4 Oct 2019 3:44

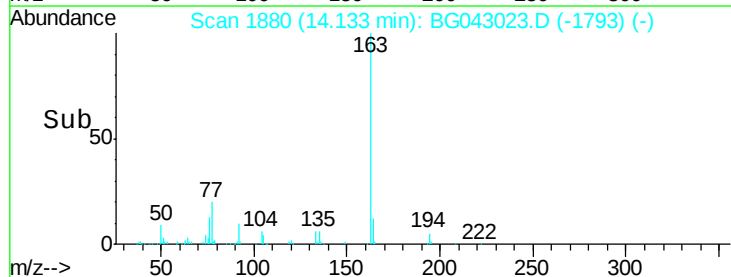
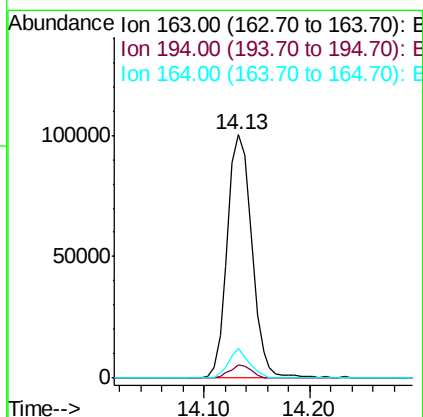
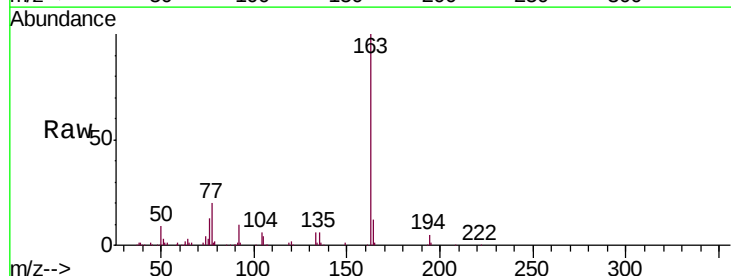
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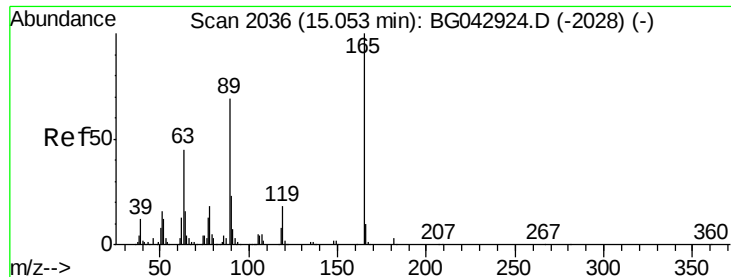
Tgt Ion:172 Resp: 1309578
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.1 19.6 29.4



#50
 Dimethylphthalate
 Concen: 11.119 ng
 RT: 14.13 min Scan# 1880
 Delta R.T. -0.02 min
 Lab File: BG043023.D
 Acq: 4 Oct 2019 3:44

Tgt Ion:163 Resp: 161625
 Ion Ratio Lower Upper
 163 100
 194 5.5 4.4 6.6
 164 12.2 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.584 ng

RT: 14.68 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

Tgt Ion:165 Resp: 25311

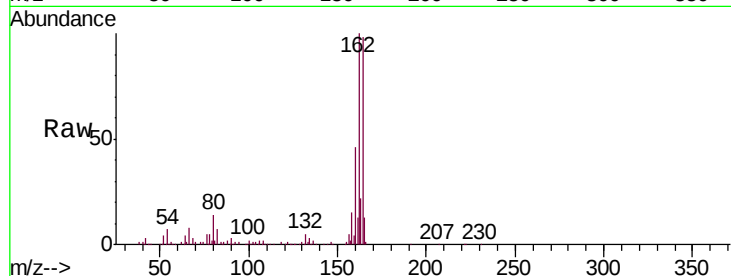
Ion Ratio Lower Upper

165 100

63 1.1 36.5 54.7#

89 1.7 55.5 83.3#

182 0.0 2.4 3.6#

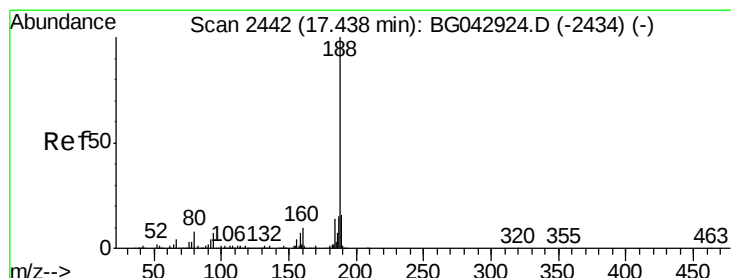
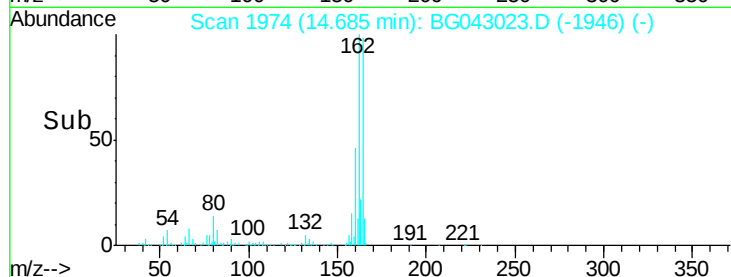
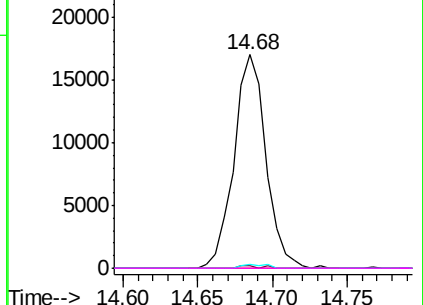


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

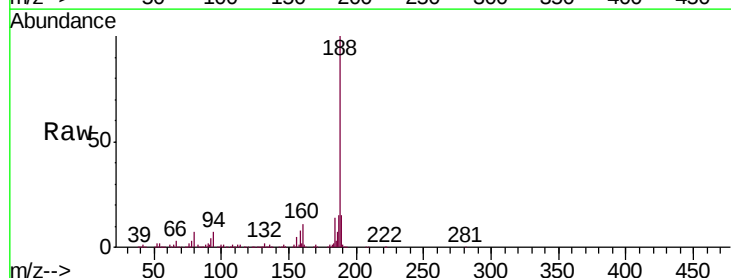
Tgt Ion:188 Resp: 436618

Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

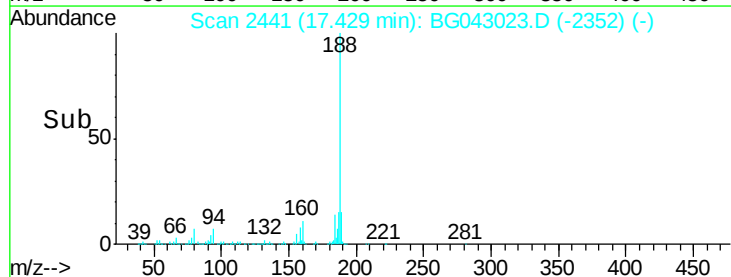
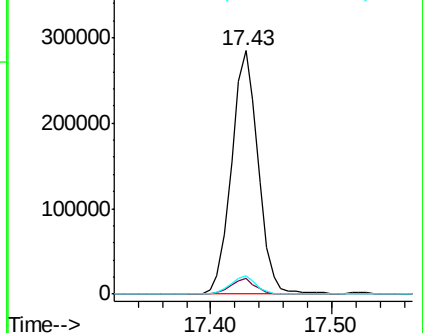
80 7.3 6.5 9.7

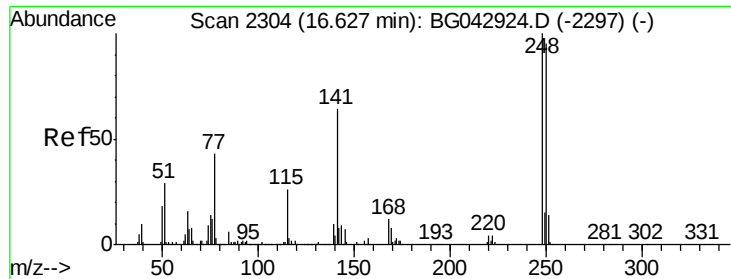


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 6.041 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

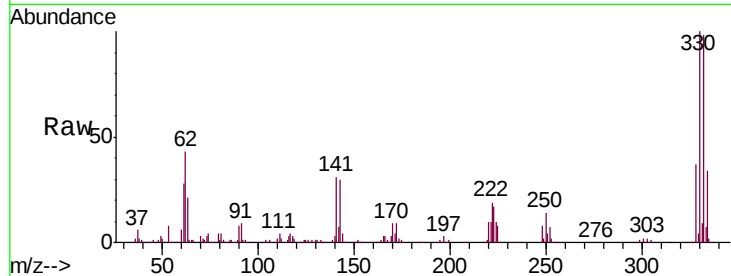
Tgt Ion:248 Resp: 33106

Ion Ratio Lower Upper

248 100

250 181.5 75.8 113.8#

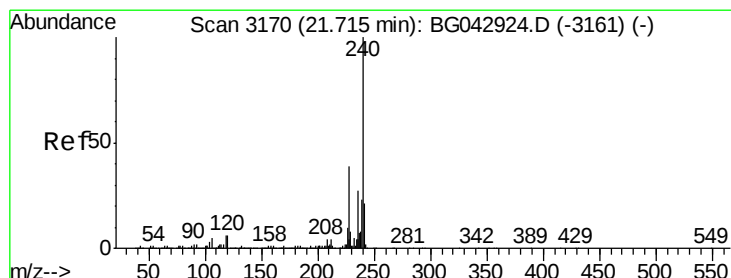
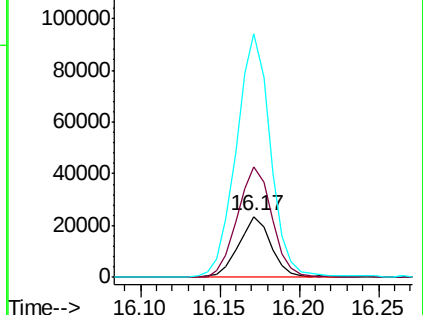
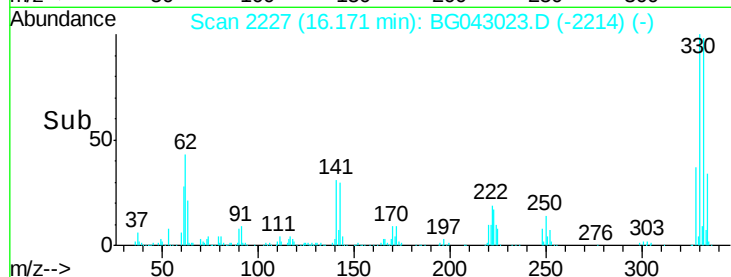
141 400.0 51.1 76.7#



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# 3167

Delta R.T. -0.02 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

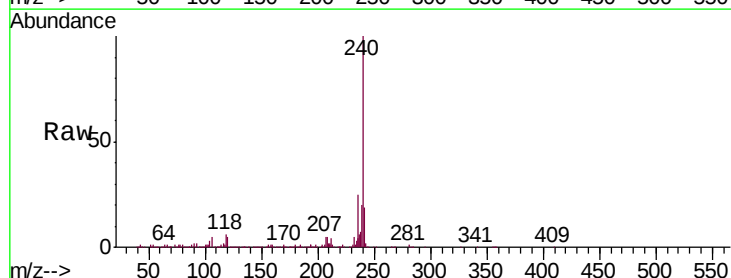
Tgt Ion:240 Resp: 452065

Ion Ratio Lower Upper

240 100

120 5.2 4.8 7.2

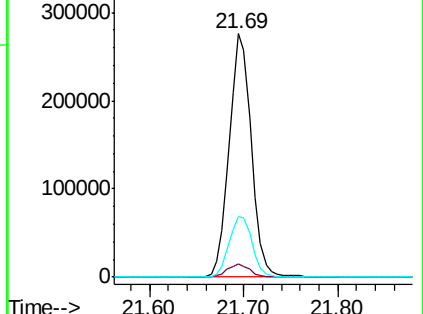
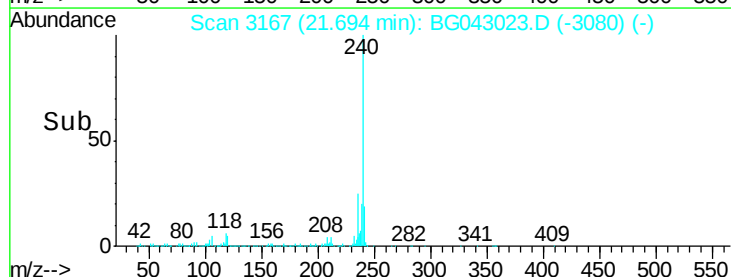
236 24.8 21.4 32.0

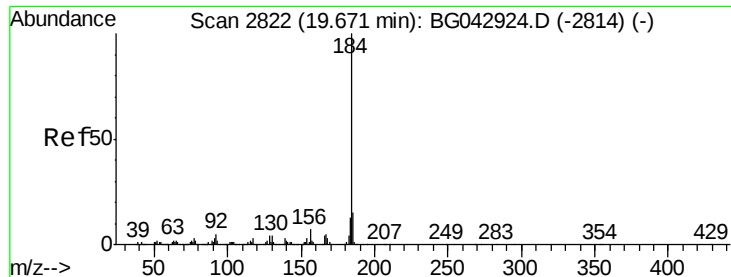


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.138 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-3-ABCD

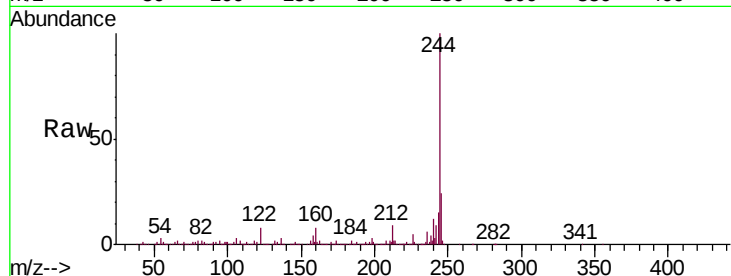
Tgt Ion:184 Resp: 35525

Ion Ratio Lower Upper

184 100

185 14.9 11.8 17.8

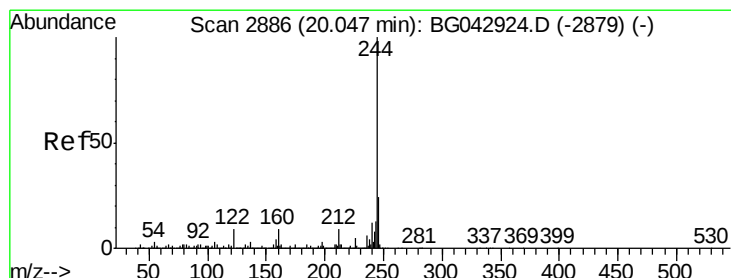
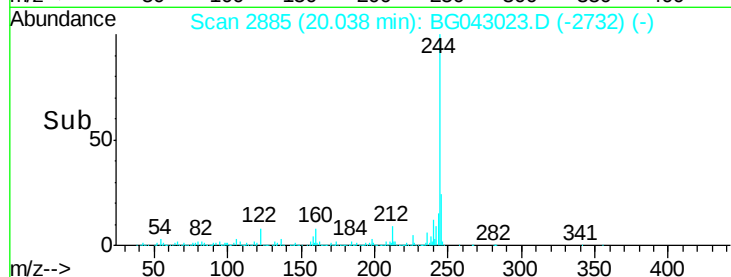
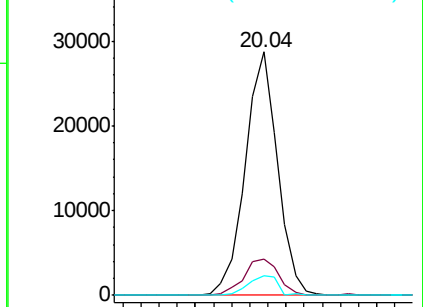
183 7.8 10.1 15.1#



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: 99.166 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043023.D

Acq: 4 Oct 2019 3:44

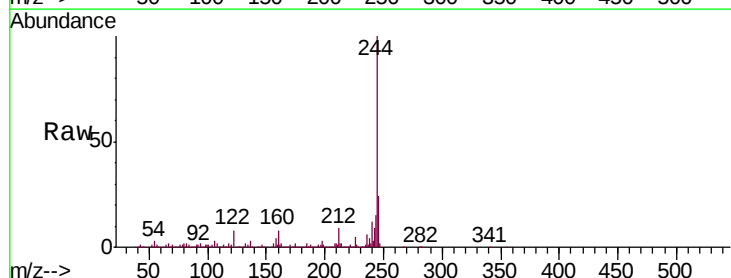
Tgt Ion:244 Resp: 2103792

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

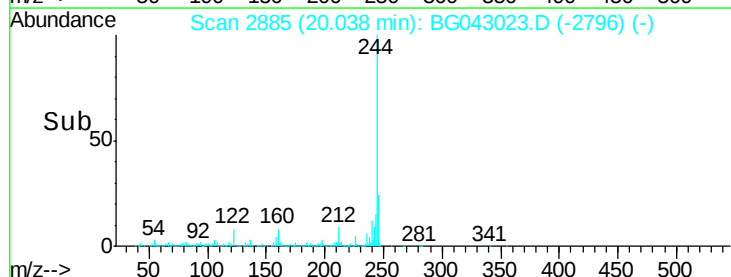
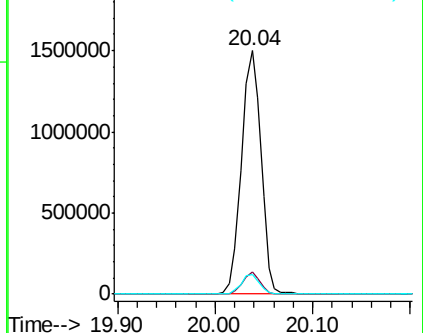
122 8.2 7.0 10.4

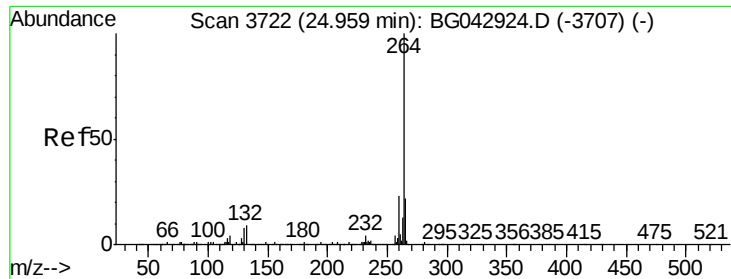


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3716
Delta R.T. -0.04 min
Lab File: BG043023.D
Acq: 4 Oct 2019 3:44

Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-3-ABCD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	23.0	17.7	26.5

