

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060992.D
 Acq On : 22 Apr 2024 15:20
 Operator : MA/JU
 Sample : P2127-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SILICA

Quant Time: Apr 23 02:17:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

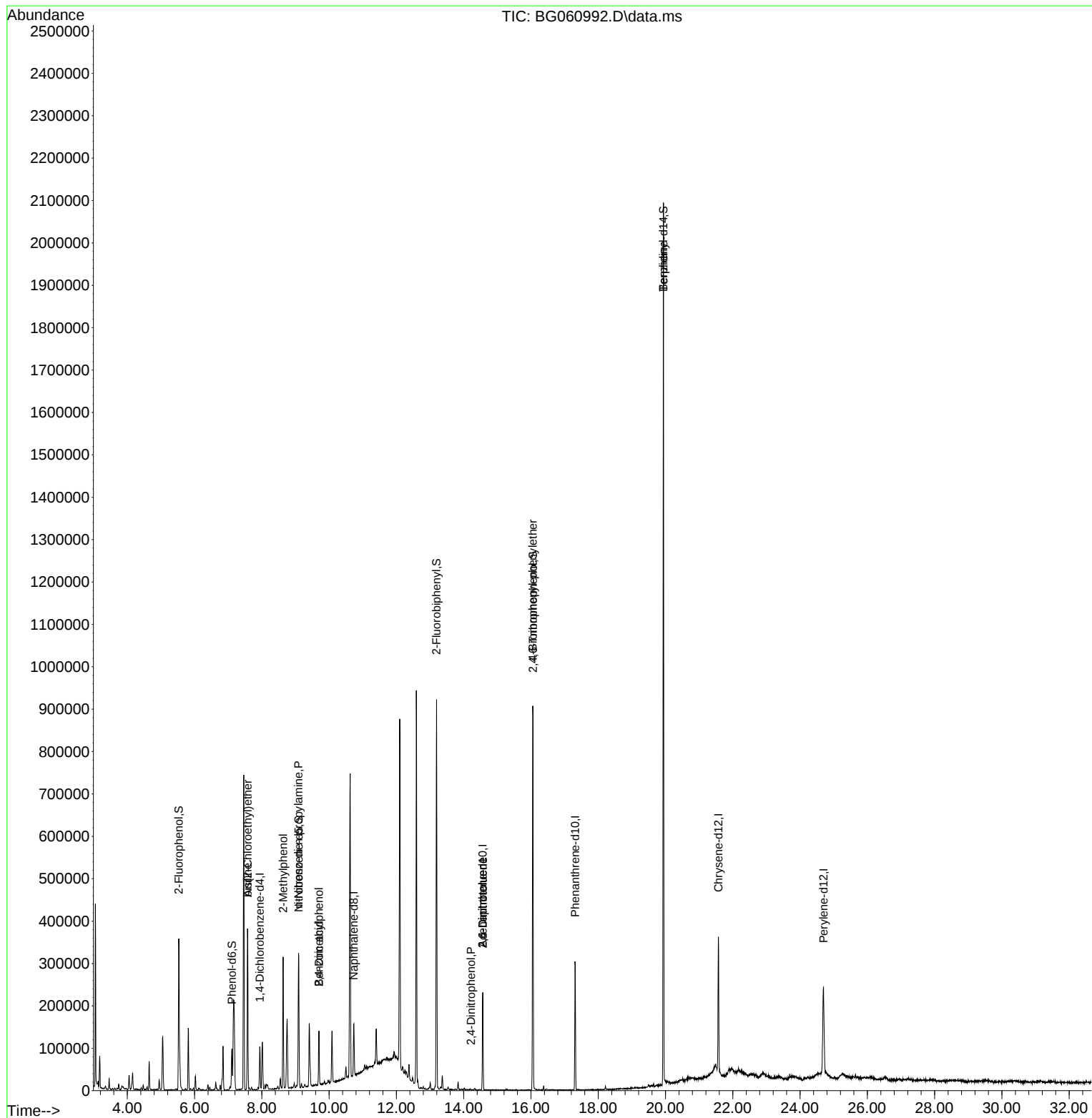
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	26099	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	97910	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	82846	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	201415	20.000	ng	0.00
76) Chrysene-d12	21.571	240	195755	20.000	ng	0.00
86) Perylene-d12	24.697	264	237354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	152959	118.548	ng	0.00
7) Phenol-d6	7.112	99	43238	22.585	ng	0.00
23) Nitrobenzene-d5	9.098	82	161128	73.939	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	204229	112.261	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	469828	78.489	ng	0.00
79) Terphenyl-d14	19.938	244	1034643	82.042	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.582	93	13241	5.755	ng	# 65
11) bis(2-Chloroethyl)ether	7.582	93	13241	9.730	ng	# 43
17) 2-Methylphenol	8.633	107	3172	2.065	ng	# 1
19) n-Nitroso-di-n-propyla...	9.092	70	24793	17.378	ng	# 72
27) 2,4-Dimethylphenol	9.697	122	9106	5.773	ng	# 8
32) Benzoic acid	9.697	122	9106	7.576	ng	# 1
51) 2,6-Dinitrotoluene	14.568	165	10941	7.675	ng	# 18
54) 2,4-Dinitrophenol	14.221	184	56	5.621	ng	# 12
57) 2,4-Dinitrotoluene	14.568	165	10941	5.329	ng	# 22
67) 4-Bromophenyl-phenylether	16.054	248	12639	4.755	ng	# 1
77) Benzidine	19.938	184	17063	4.704	ng	# 90

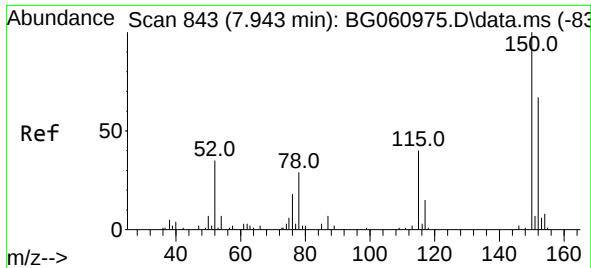
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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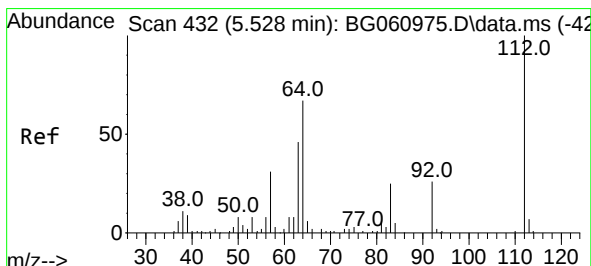
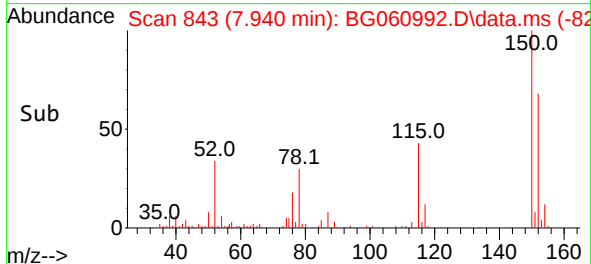
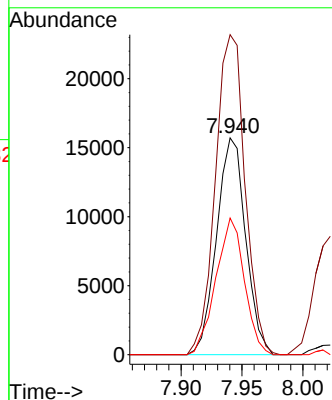
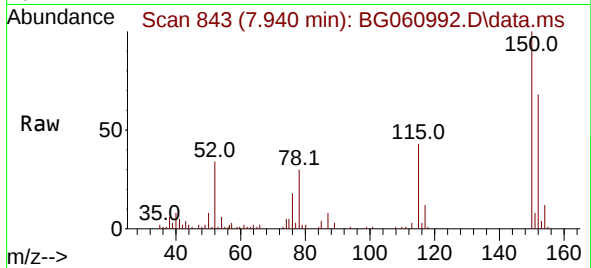




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 843
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

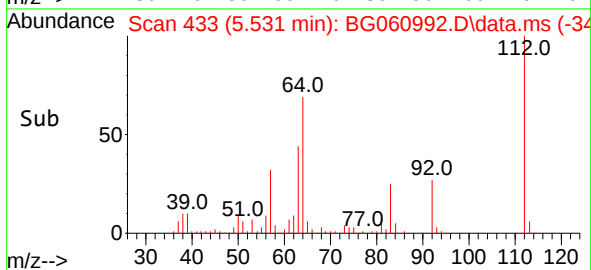
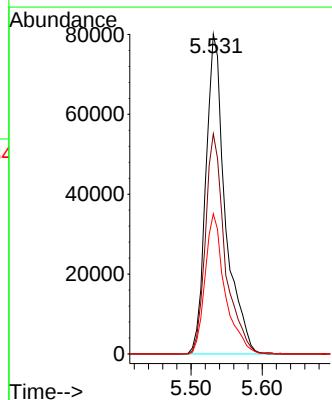
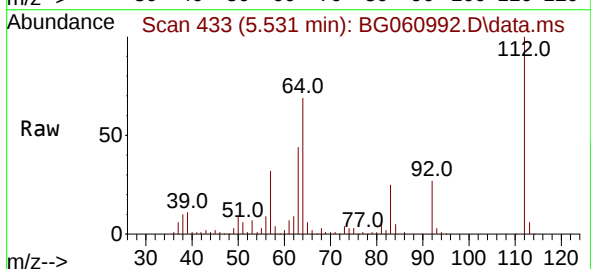
Instrument :
BNA_G
ClientSampleId :
SILICA

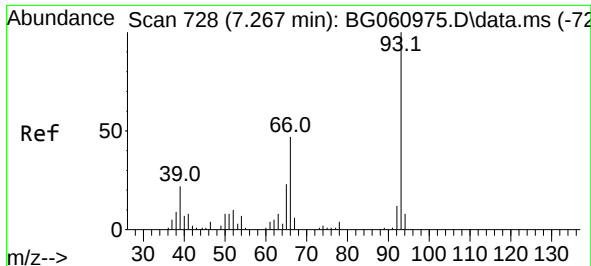
Tgt Ion:152 Resp: 26099
Ion Ratio Lower Upper
152 100
150 147.6 118.6 178.0
115 63.0 47.4 71.0



#5
2-Fluorophenol
Concen: 118.548 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:112 Resp: 152959
Ion Ratio Lower Upper
112 100
64 68.8 53.7 80.5
63 43.8 37.0 55.6





#6

Aniline

Concen: 5.755 ng

RT: 7.582 min Scan# 701

Delta R.T. 0.315 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

Instrument :

BNA_G

ClientSampleId :

SILICA

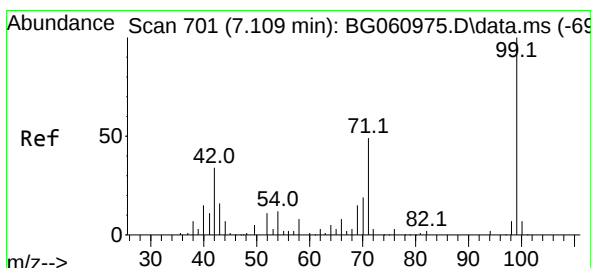
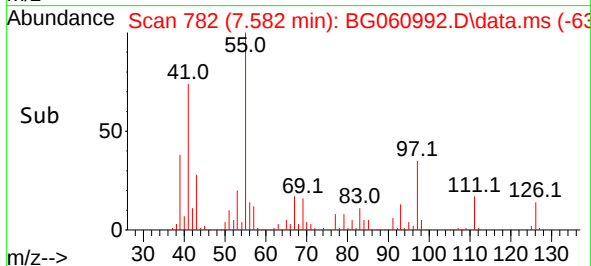
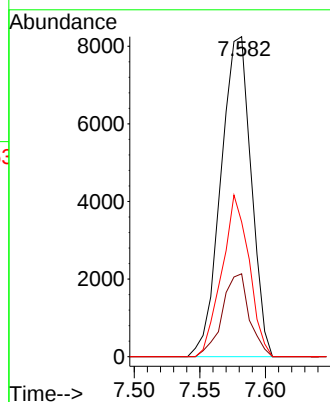
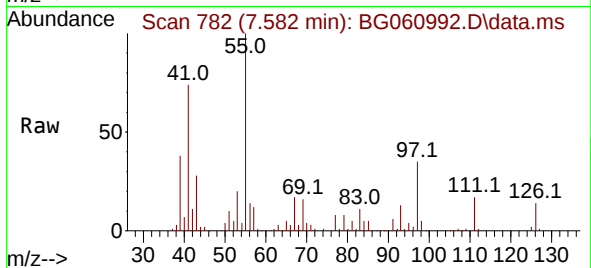
Tgt Ion: 93 Resp: 13241

Ion Ratio Lower Upper

93 100

66 25.9 37.9 56.9#

65 42.1 18.2 27.4#



#7

Phenol-d6

Concen: 22.585 ng

RT: 7.112 min Scan# 702

Delta R.T. 0.003 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

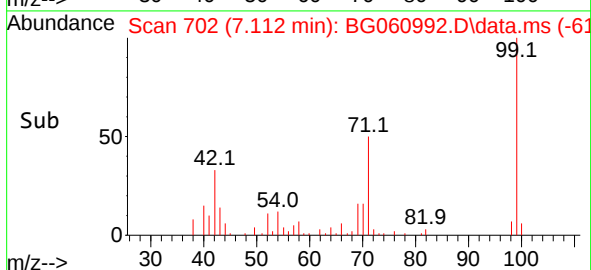
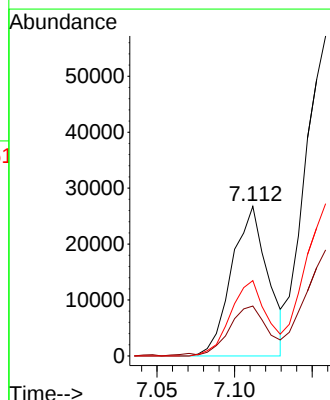
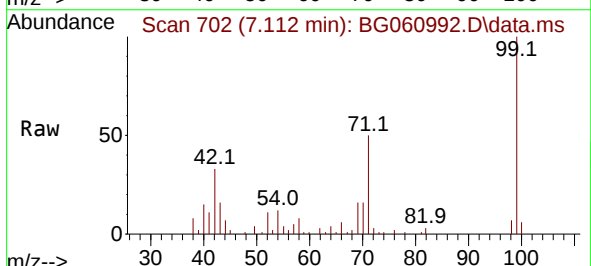
Tgt Ion: 99 Resp: 43238

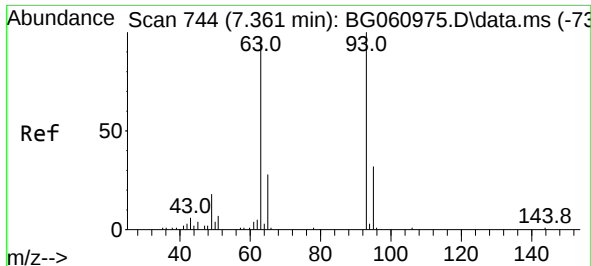
Ion Ratio Lower Upper

99 100

42 33.4 27.2 40.8

71 50.4 38.8 58.2

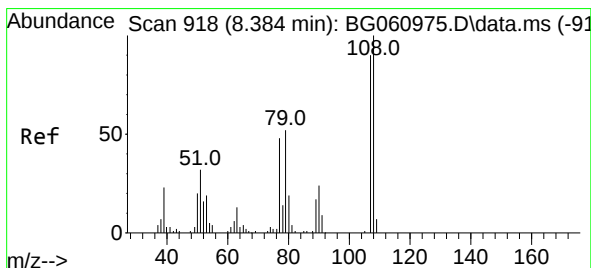
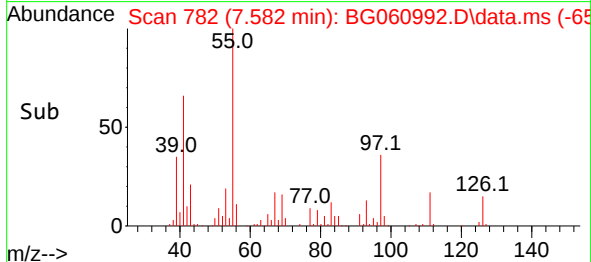
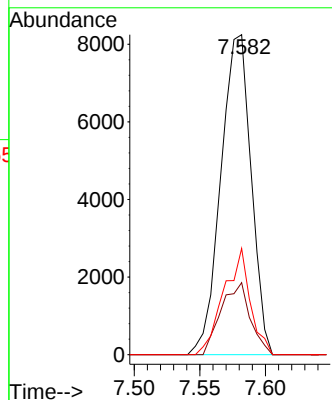
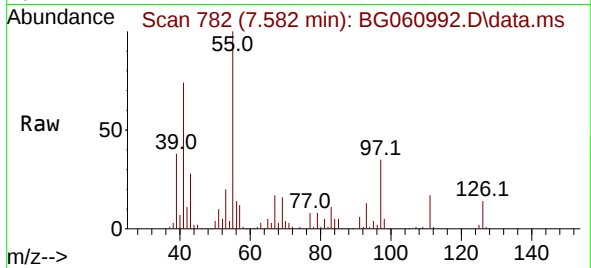




#11
bis(2-Chloroethyl)ether
Concen: 9.730 ng
RT: 7.582 min Scan# 744
Delta R.T. 0.221 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

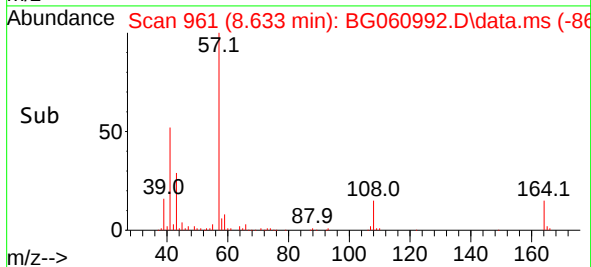
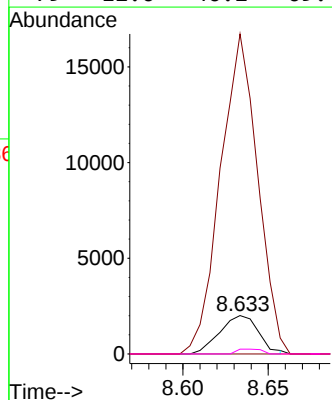
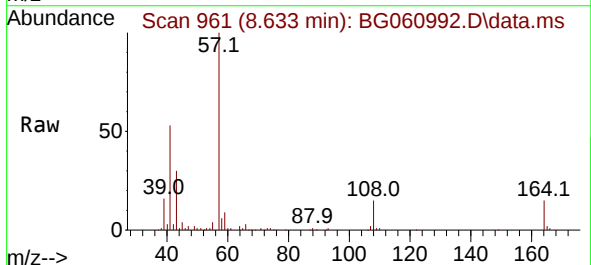
Instrument :
BNA_G
ClientSampleId :
SILICA

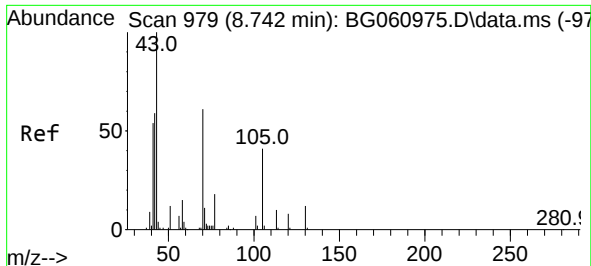
Tgt Ion: 93 Resp: 13241
Ion Ratio Lower Upper
93 100
63 22.5 75.6 115.6#
95 33.2 12.1 52.1



#17
2-Methylphenol
Concen: 2.065 ng
RT: 8.633 min Scan# 961
Delta R.T. 0.250 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:107 Resp: 3172
Ion Ratio Lower Upper
107 100
108 834.3 89.2 133.8#
77 0.0 43.0 64.6#
79 12.6 46.2 69.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.378 ng

RT: 9.092 min Scan# 1039

Delta R.T. 0.350 min

Lab File: BG060992.D

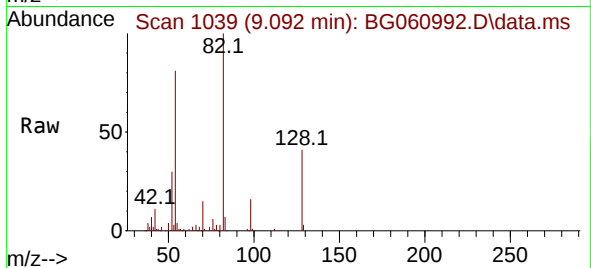
Acq: 22 Apr 2024 15:20

Instrument :

BNA_G

ClientSampleId :

SILICA



Tgt Ion: 70 Resp: 24793

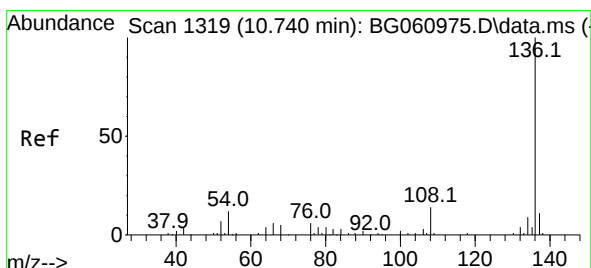
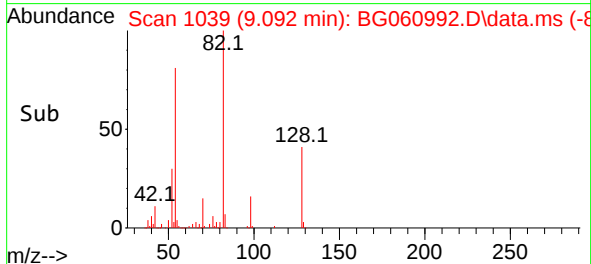
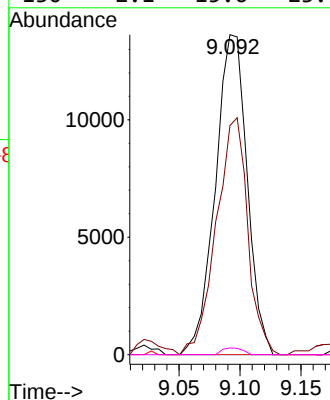
Ion Ratio Lower Upper

70 100

42 71.6 78.0 117.0#

101 0.0 8.6 13.0#

130 2.1 15.6 23.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.731 min Scan# 1318

Delta R.T. -0.009 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

Tgt Ion: 136 Resp: 97910

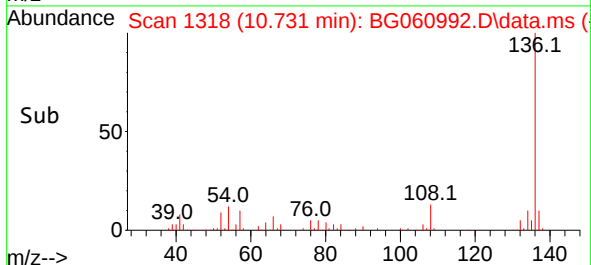
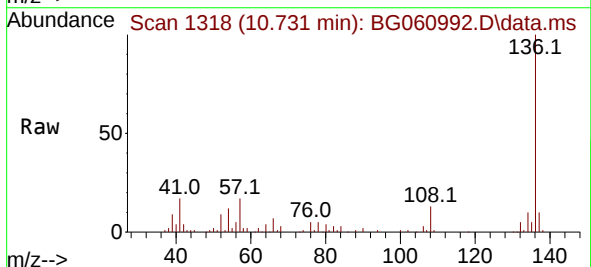
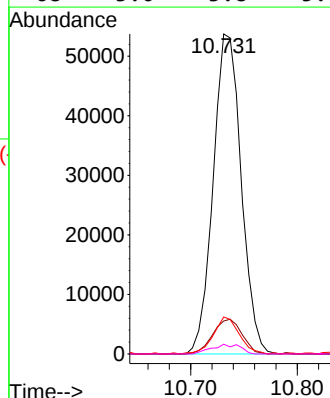
Ion Ratio Lower Upper

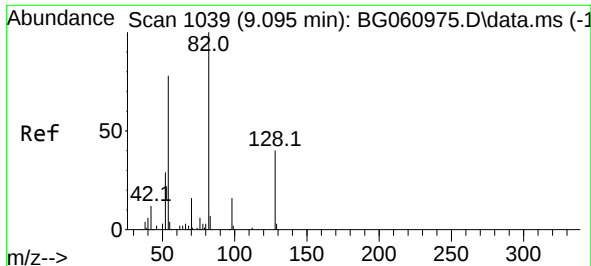
136 100

137 10.3 8.5 12.7

54 11.5 9.4 14.0

68 3.0 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 73.939 ng

RT: 9.098 min Scan# 1142

Delta R.T. 0.003 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

Instrument :

BNA_G

ClientSampleId :

SILICA

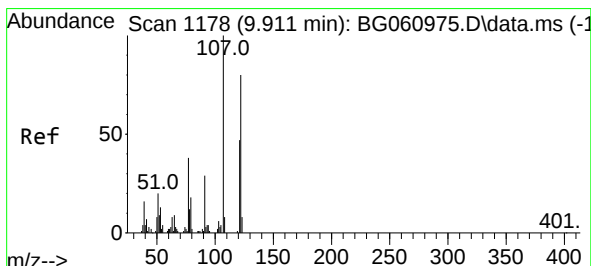
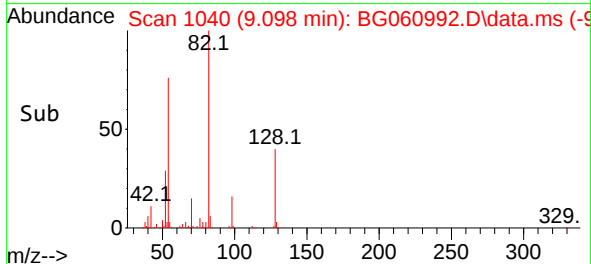
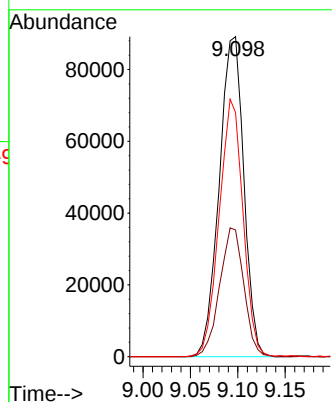
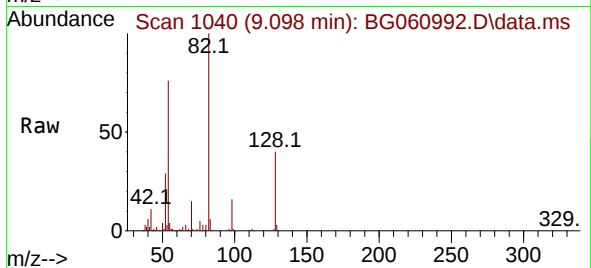
Tgt Ion: 82 Resp: 161128

Ion Ratio Lower Upper

82 100

128 39.6 32.1 48.1

54 76.3 62.3 93.5



#27

2,4-Dimethylphenol

Concen: 5.773 ng

RT: 9.697 min Scan# 1142

Delta R.T. -0.214 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

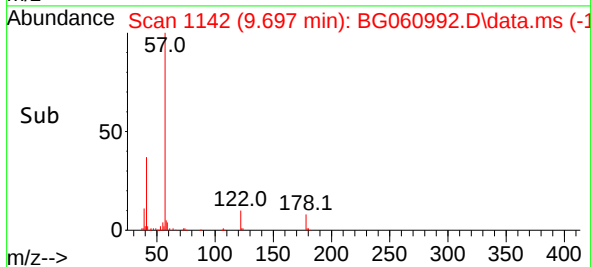
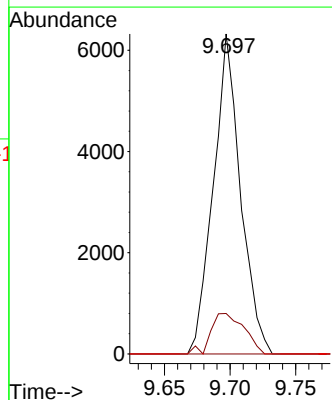
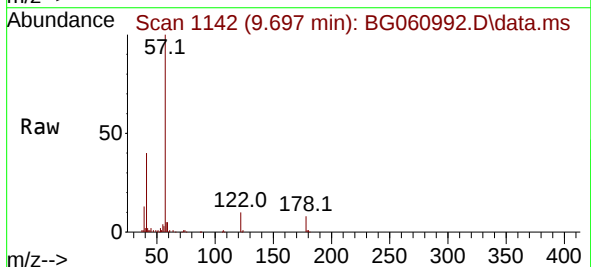
Tgt Ion:122 Resp: 9106

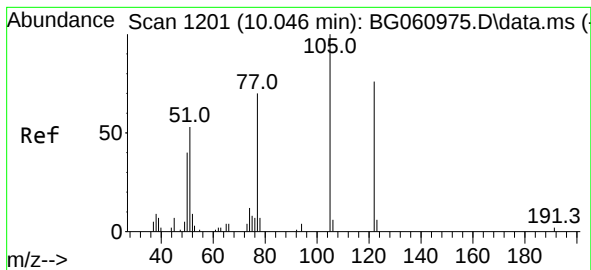
Ion Ratio Lower Upper

122 100

107 12.7 98.7 148.1#

121 0.0 46.3 69.5#

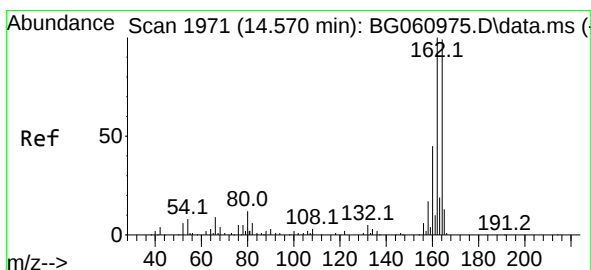
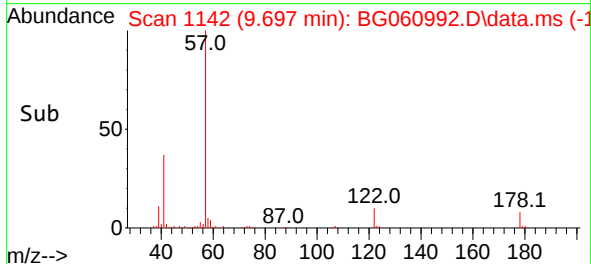
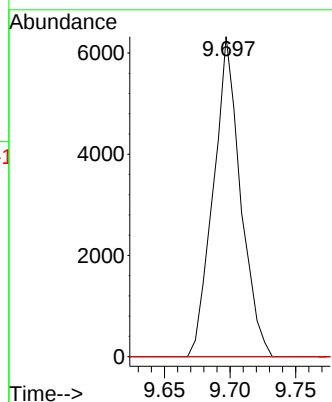
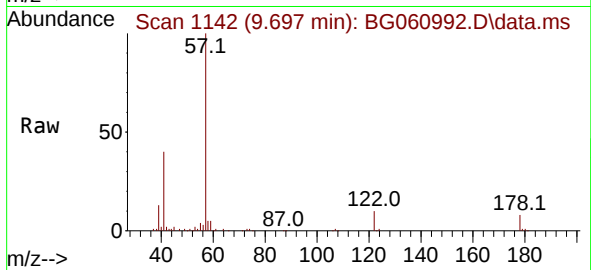




#32
Benzoic acid
Concen: 7.576 ng
RT: 9.697 min Scan# 1142
Delta R.T. -0.349 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

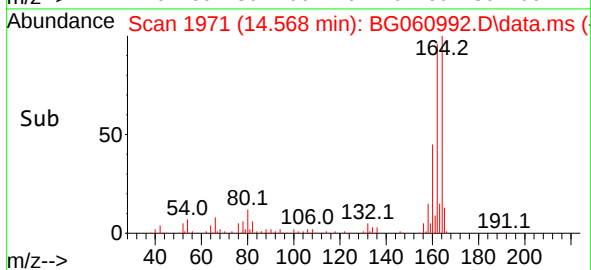
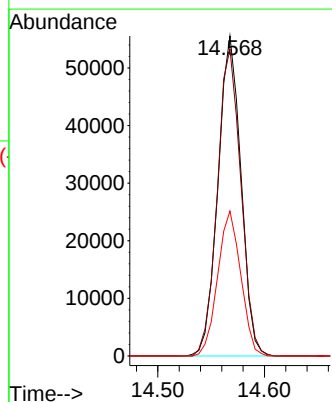
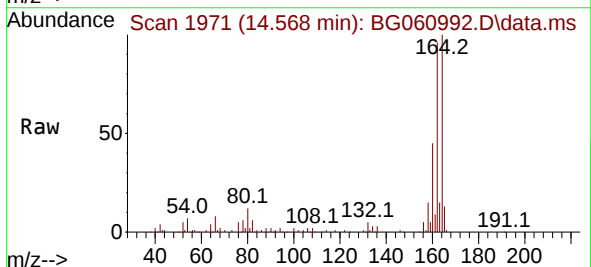
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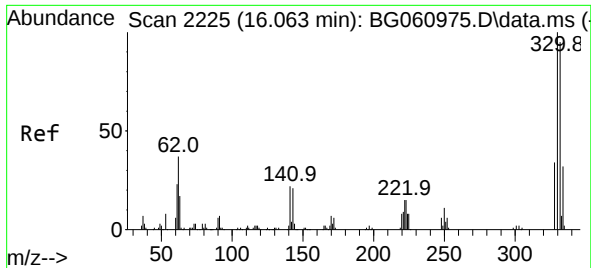
Tgt Ion:122 Resp: 9106
Ion Ratio Lower Upper
122 100
105 0.0 106.2 146.2#
77 0.0 70.1 110.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:164 Resp: 82846
Ion Ratio Lower Upper
164 100
162 96.0 81.2 121.8
160 45.3 36.2 54.2

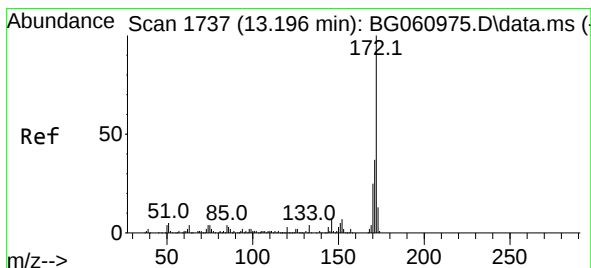
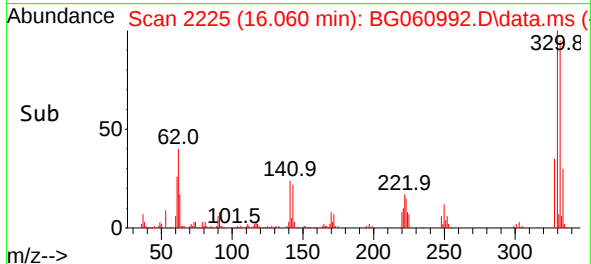
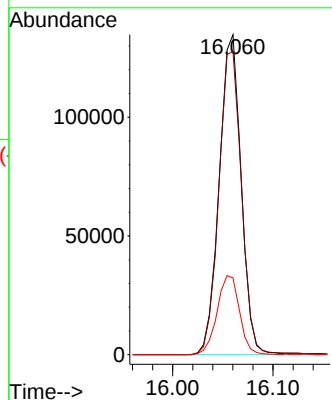
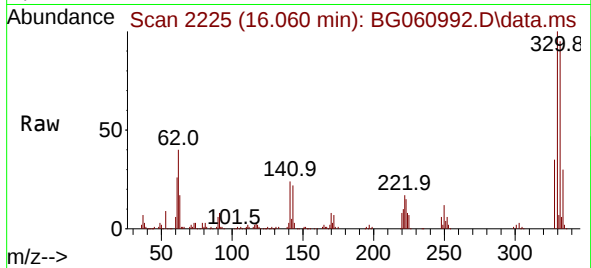




#42
2,4,6-Tribromophenol
Concen: 112.261 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

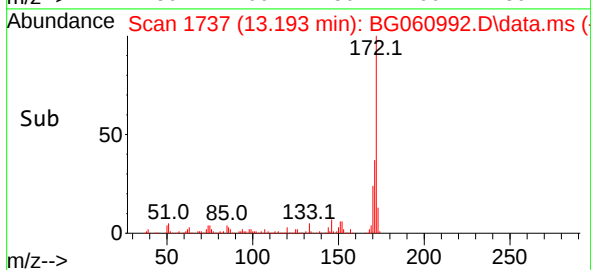
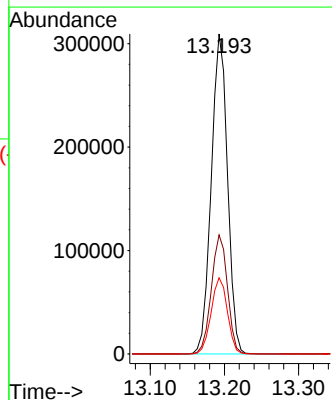
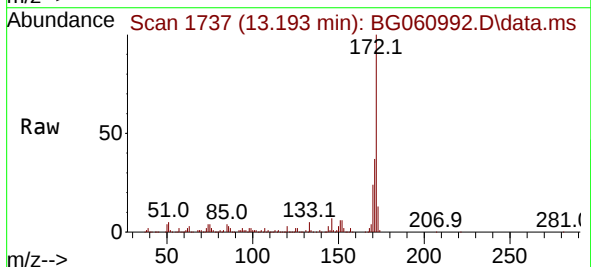
Instrument :
BNA_G
ClientSampleId :
SILICA

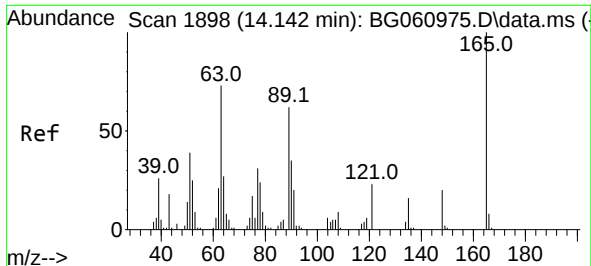
Tgt Ion:330 Resp: 204229
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 25.3 20.6 31.0



#45
2-Fluorobiphenyl
Concen: 78.489 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:172 Resp: 469828
Ion Ratio Lower Upper
172 100
171 37.2 29.3 43.9
170 23.8 20.1 30.1





#51

2,6-Dinitrotoluene

Concen: 7.675 ng

RT: 14.568 min Scan# 1912

Delta R.T. 0.426 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

Instrument :

BNA_G

ClientSampleId :

SILICA

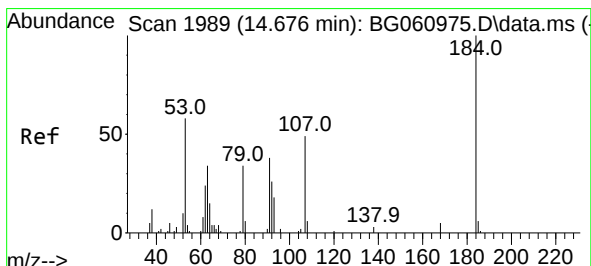
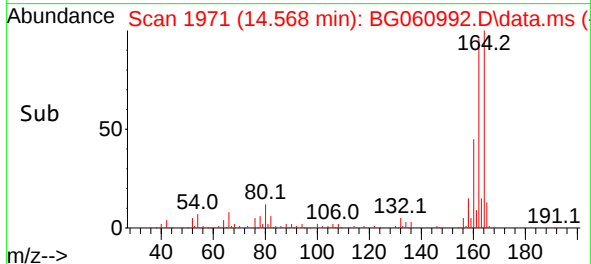
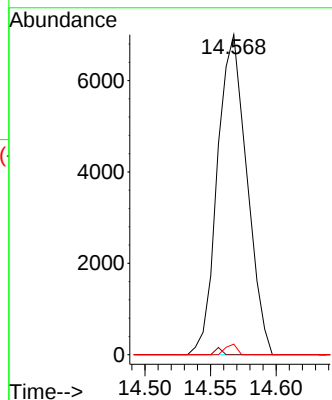
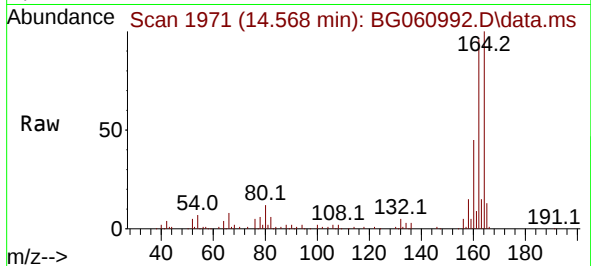
Tgt Ion:165 Resp: 10941

Ion Ratio Lower Upper

165 100

63 0.0 59.6 89.4#

89 3.3 49.4 74.0#



#54

2,4-Dinitrophenol

Concen: 5.621 ng

RT: 14.221 min Scan# 1912

Delta R.T. -0.455 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

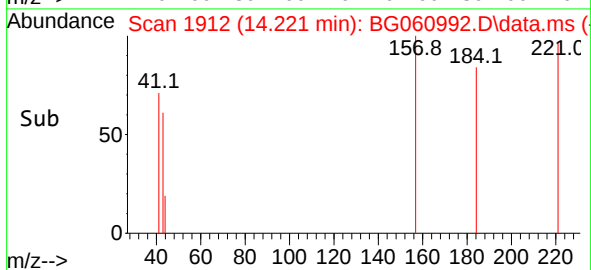
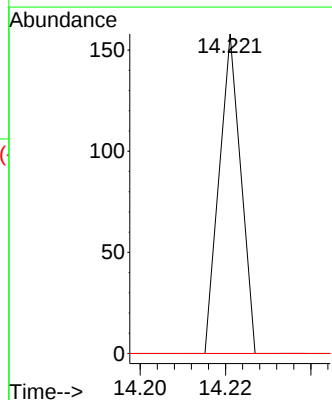
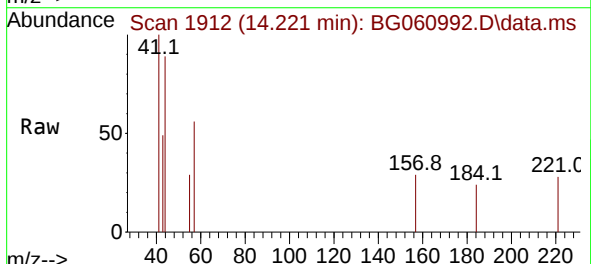
Tgt Ion:184 Resp: 56

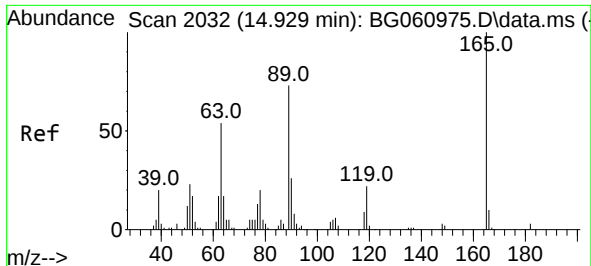
Ion Ratio Lower Upper

184 100

63 0.0 59.0 88.6#

154 0.0 61.2 91.8#





#57

2,4-Dinitrotoluene

Concen: 5.329 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG060992.D

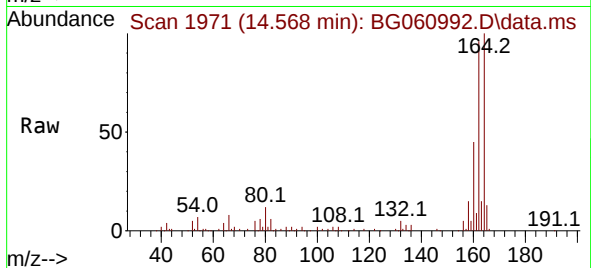
Acq: 22 Apr 2024 15:20

Instrument :

BNA_G

ClientSampleId :

SILICA



Tgt Ion:165 Resp: 10941

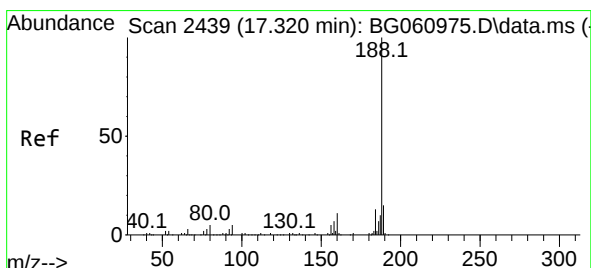
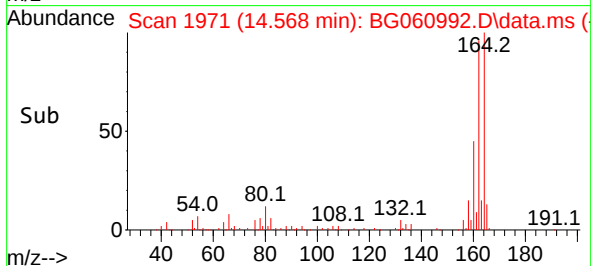
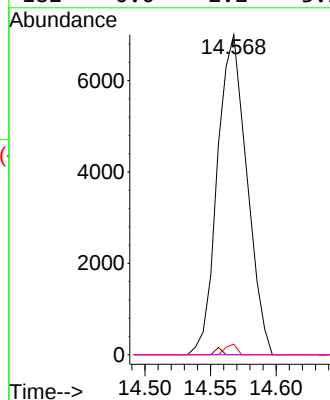
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

89 3.3 58.4 87.6#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG060992.D

Acq: 22 Apr 2024 15:20

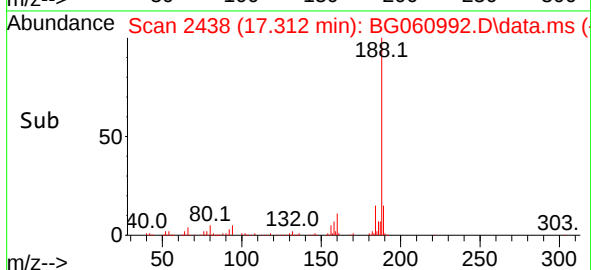
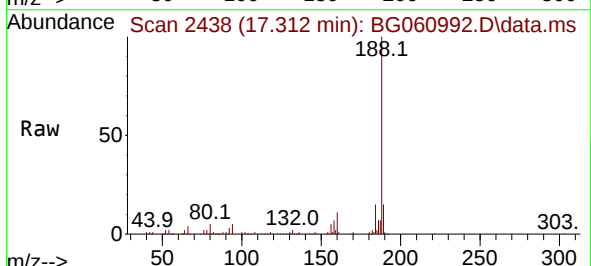
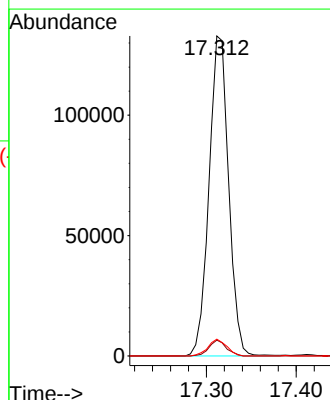
Tgt Ion:188 Resp: 201415

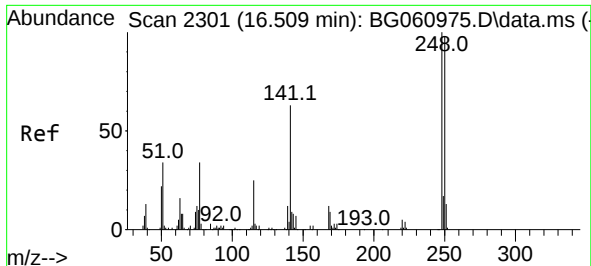
Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

80 5.2 4.0 6.0

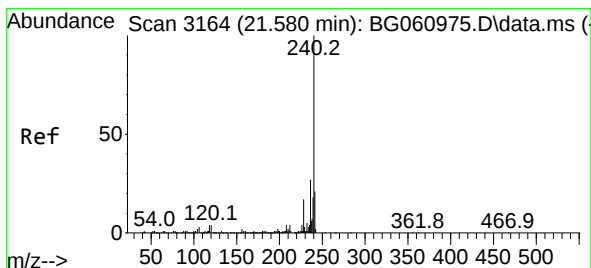
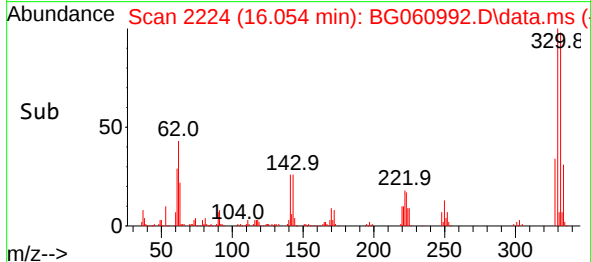
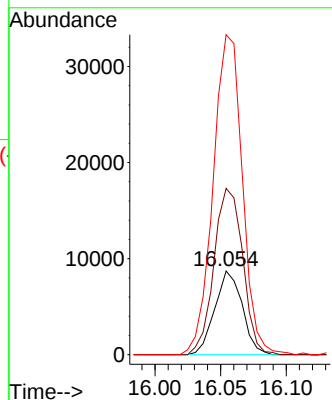
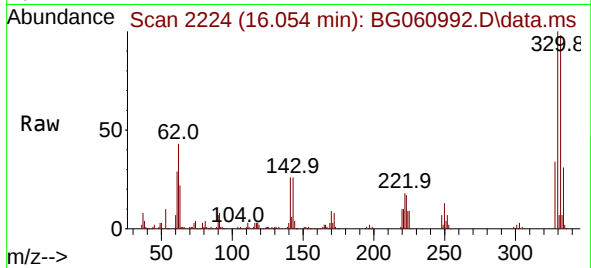




#67
4-Bromophenyl-phenylether
Concen: 4.755 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

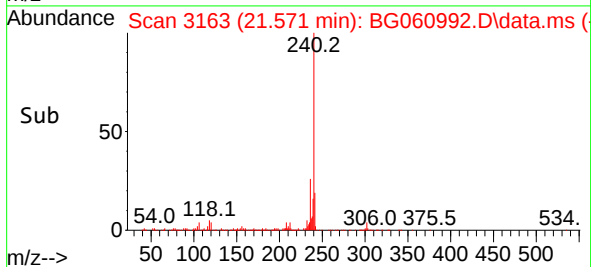
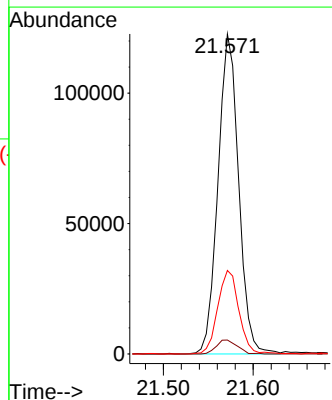
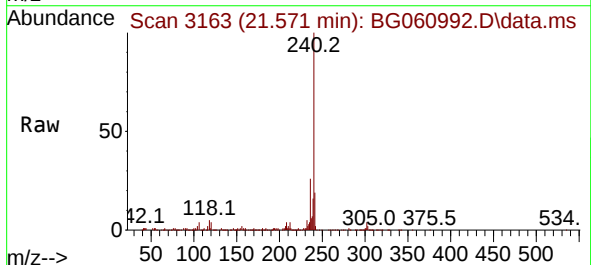
Instrument :
BNA_G
ClientSampleId :
SILICA

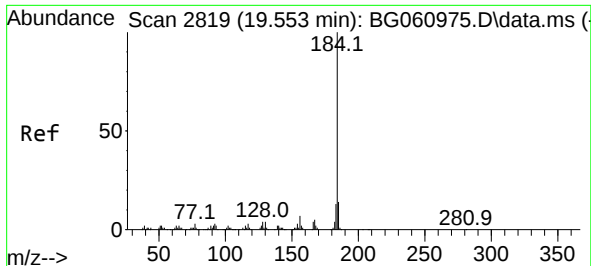
Tgt Ion:248 Resp: 12639
Ion Ratio Lower Upper
248 100
250 198.5 78.7 118.1#
141 382.1 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.009 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:240 Resp: 195755
Ion Ratio Lower Upper
240 100
120 4.4 3.0 4.6
236 26.1 21.8 32.6

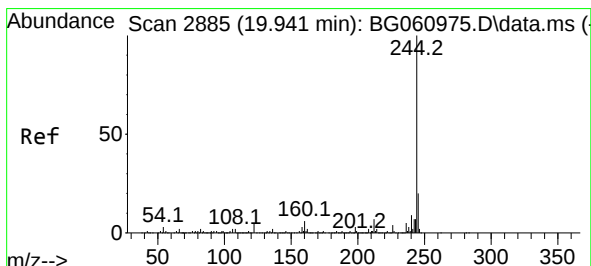
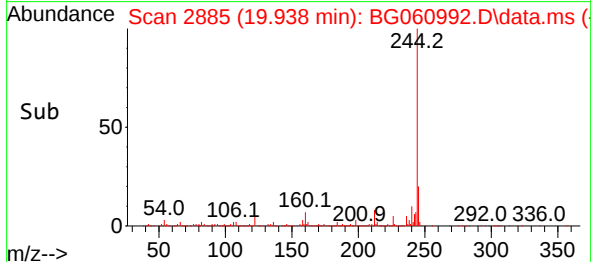
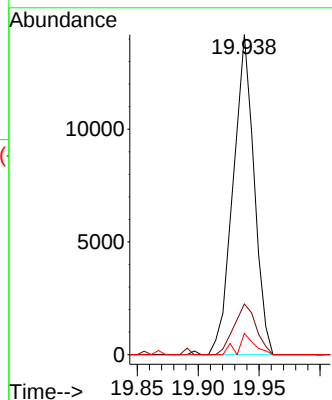
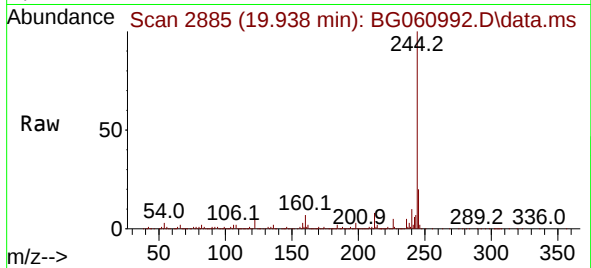




#77
Benzidine
Concen: 4.704 ng
RT: 19.938 min Scan# 2885
Delta R.T. 0.385 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

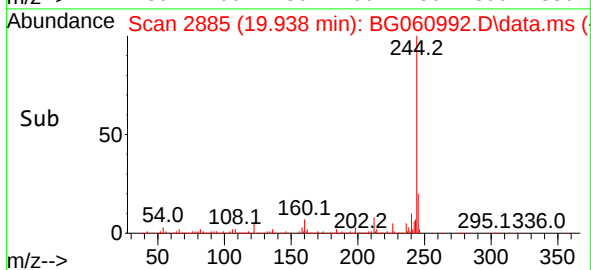
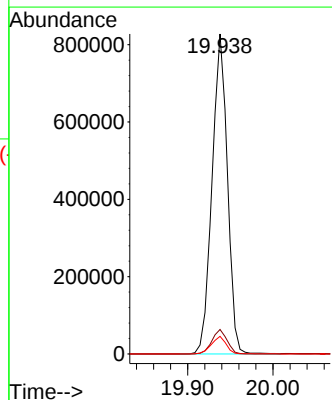
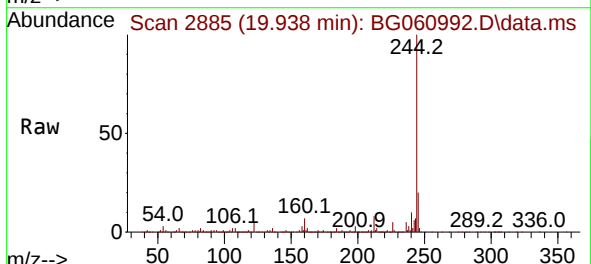
Instrument :
BNA_G
ClientSampleId :
SILICA

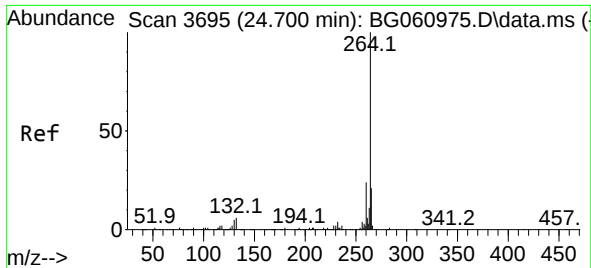
Tgt Ion:184 Resp: 17063
Ion Ratio Lower Upper
184 100
185 15.8 11.3 16.9
183 6.6 10.2 15.2#



#79
Terphenyl-d14
Concen: 82.042 ng
RT: 19.938 min Scan# 2885
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Tgt Ion:244 Resp: 1034643
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 5.5 4.2 6.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.697 min Scan# 30
Delta R.T. -0.003 min
Lab File: BG060992.D
Acq: 22 Apr 2024 15:20

Instrument :
BNA_G
ClientSampleId :
SILICA

Tgt Ion:264 Resp: 237354

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	23.1	17.0	25.4

