

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060995.D
 Acq On : 22 Apr 2024 17:24
 Operator : MA/JU
 Sample : P2147-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-C

Quant Time: Apr 23 02:18:43 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)

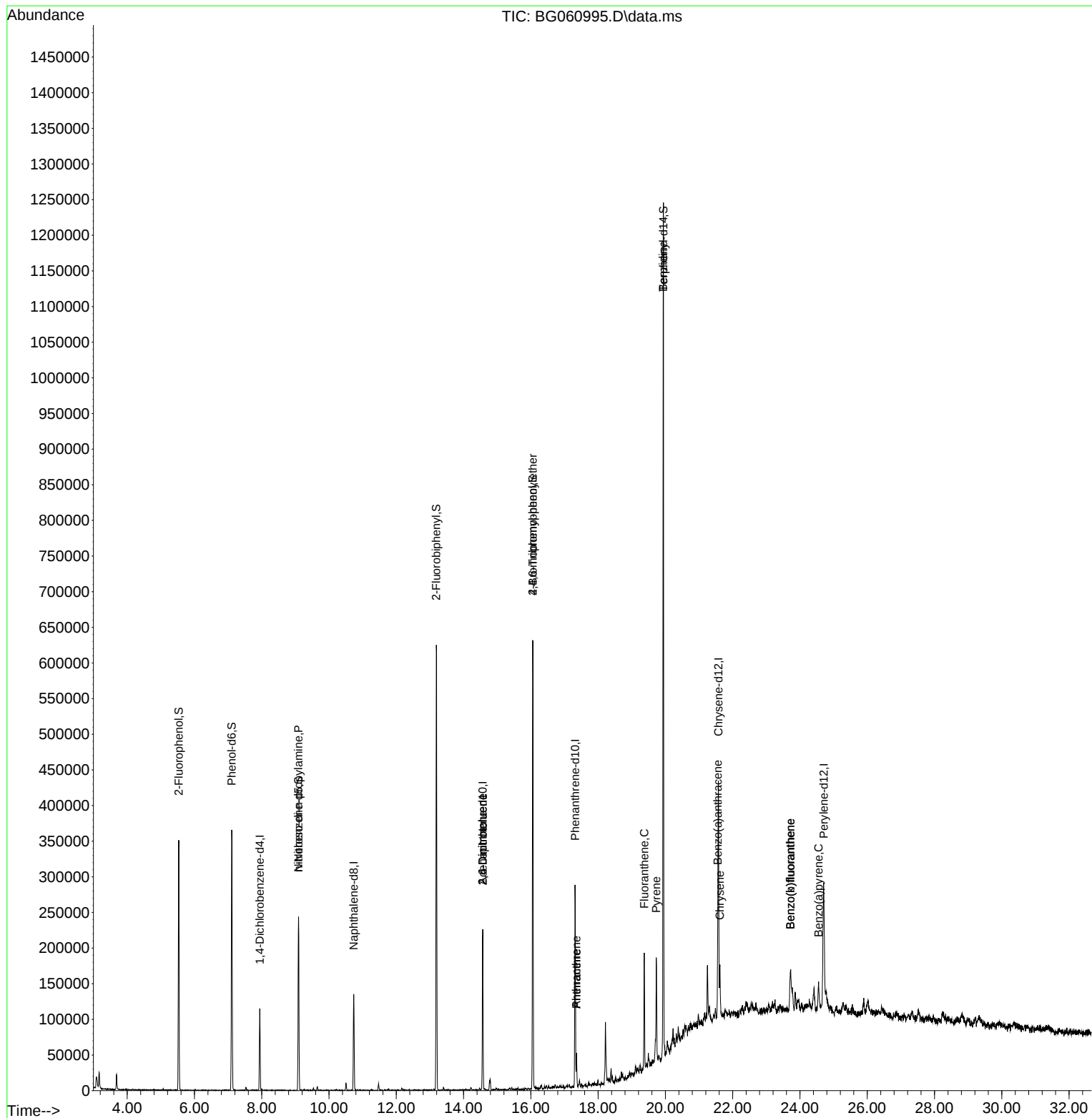
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	28467	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	106947	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	78769	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	185916	20.000	ng	0.00
76) Chrysene-d12	21.574	240	189534	20.000	ng	0.00
86) Perylene-d12	24.706	264	224844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	125132	88.914	ng	0.00
7) Phenol-d6	7.109	99	166297	79.640	ng	0.00
23) Nitrobenzene-d5	9.094	82	124065	52.120	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	136263	78.778	ng	0.00
45) 2-Fluorobiphenyl	13.190	172	330020	57.986	ng	0.00
79) Terphenyl-d14	19.941	244	627533	51.393	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.094	70	18627	11.970	ng	# 72
51) 2,6-Dinitrotoluene	14.570	165	10891	8.036	ng	# 16
57) 2,4-Dinitrotoluene	14.570	165	10891	5.580	ng	# 19
67) 4-Bromophenyl-phenylether	16.057	248	8485	3.458	ng	# 1
71) Phenanthrene	17.355	178	27753	2.925	ng	97
72) Anthracene	17.355	178	27753	2.840	ng	96
75) Fluoranthene	19.371	202	101974	8.097	ng	94
77) Benzidine	19.935	184	10982	3.127	ng	# 92
78) Pyrene	19.729	202	94749	7.342	ng	99
81) Benzo(a)anthracene	21.556	228	58088	4.359	ng	93
83) Chrysene	21.621	228	53326	4.203	ng	95
88) Benzo(b)fluoranthene	23.718	252	71436	5.606	ng	# 96
89) Benzo(k)fluoranthene	23.718	252	71436	5.554	ng	# 94
90) Benzo(a)pyrene	24.553	252	49152	3.985	ng	# 88

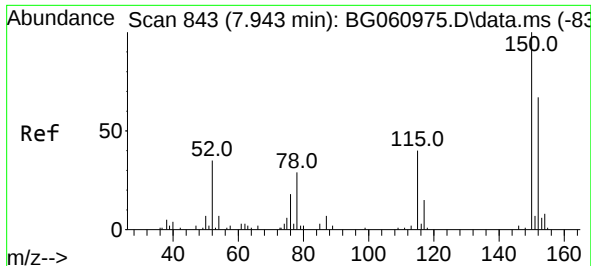
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
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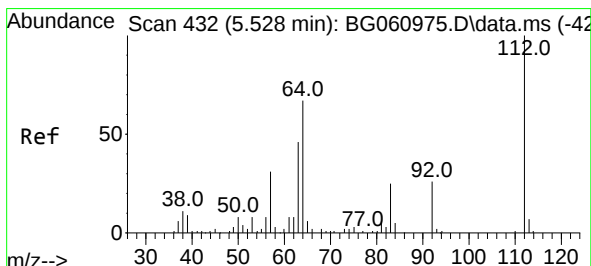
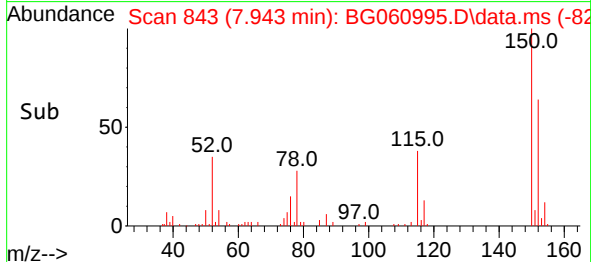
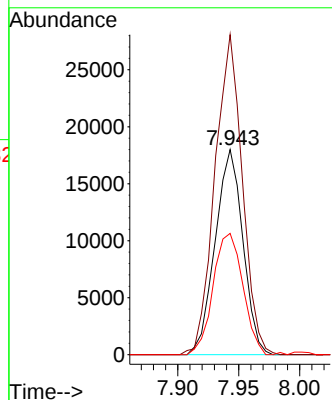
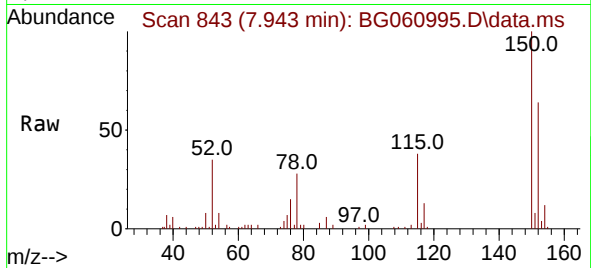




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

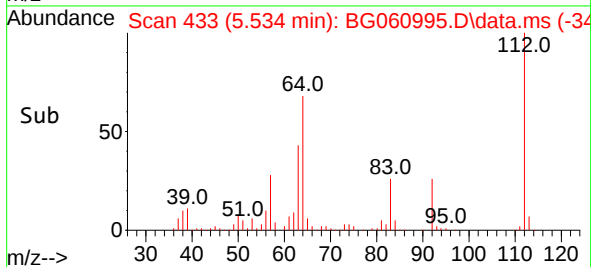
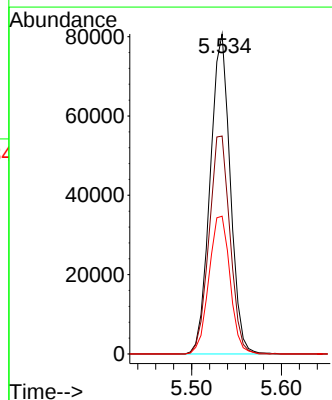
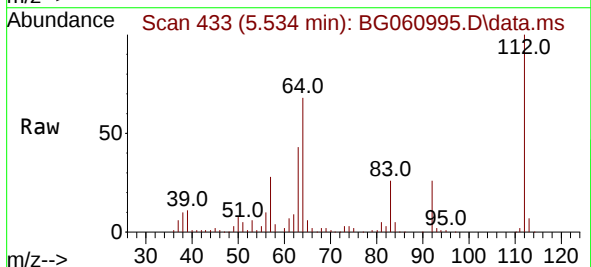
Instrument :
BNA_G
ClientSampleId :
COMP-C

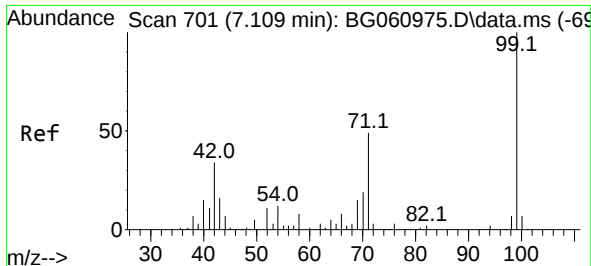
Tgt Ion:152 Resp: 28467
Ion Ratio Lower Upper
152 100
150 156.0 118.6 178.0
115 59.2 47.4 71.0



#5
2-Fluorophenol
Concen: 88.914 ng
RT: 5.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:112 Resp: 125132
Ion Ratio Lower Upper
112 100
64 68.1 53.7 80.5
63 43.1 37.0 55.6





#7

Phenol-d6

Concen: 79.640 ng

RT: 7.109 min Scan# 701

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

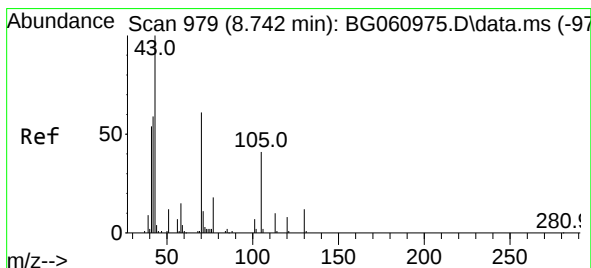
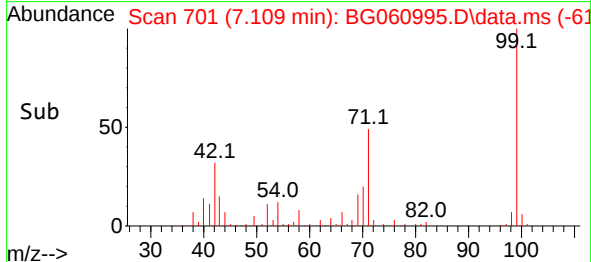
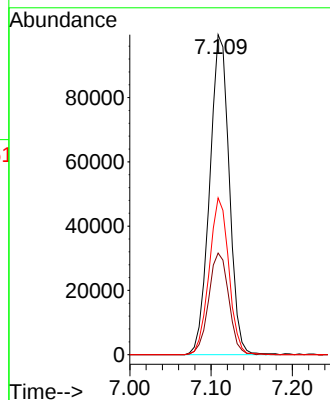
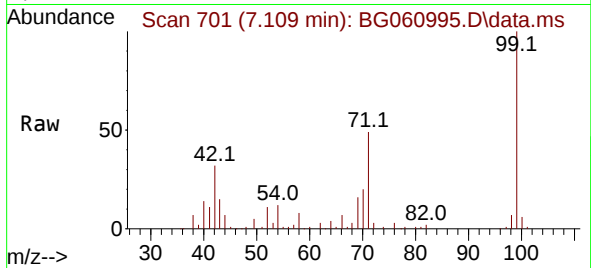
Tgt Ion: 99 Resp: 166297

Ion Ratio Lower Upper

99 100

42 31.8 27.2 40.8

71 49.0 38.8 58.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.970 ng

RT: 9.094 min Scan# 1039

Delta R.T. 0.353 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Tgt Ion: 70 Resp: 18627

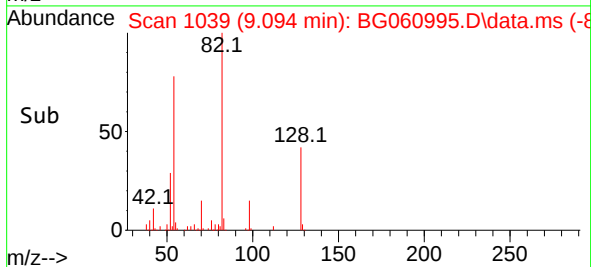
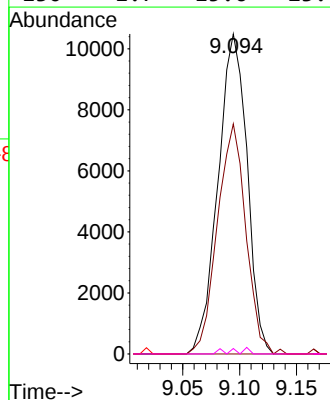
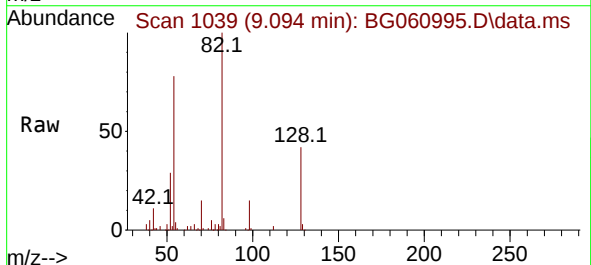
Ion Ratio Lower Upper

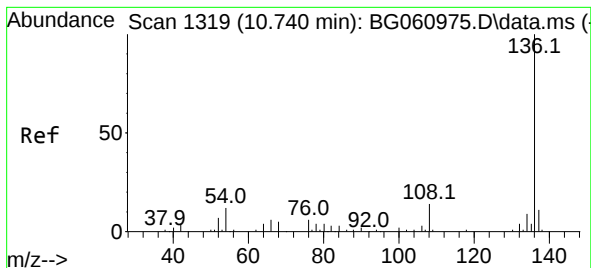
70 100

42 71.9 78.0 117.0#

101 0.0 8.6 13.0#

130 1.7 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.734 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

Tgt Ion:136 Resp: 106947

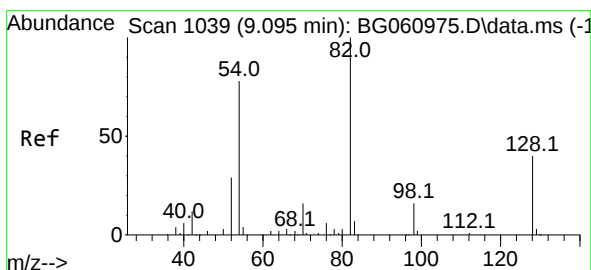
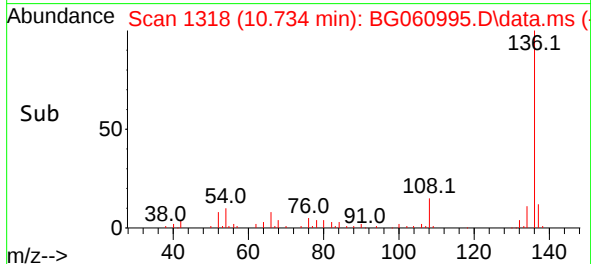
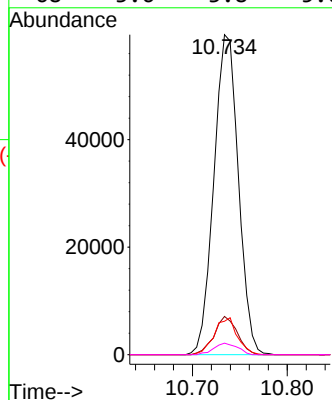
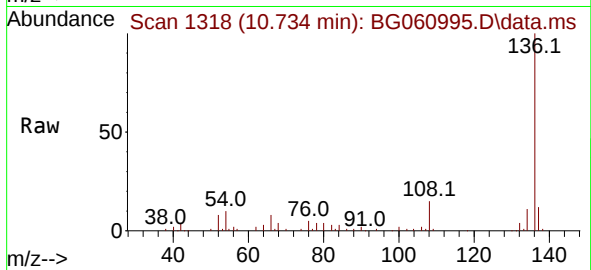
Ion Ratio Lower Upper

136 100

137 12.0 8.5 12.7

54 10.5 9.4 14.0

68 3.6 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 52.120 ng

RT: 9.094 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

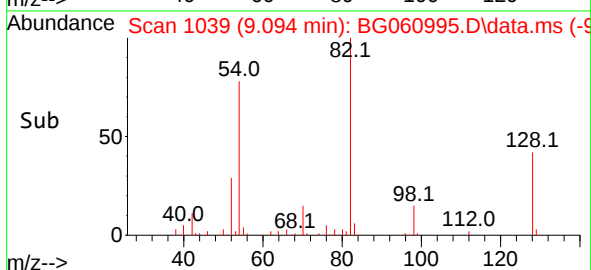
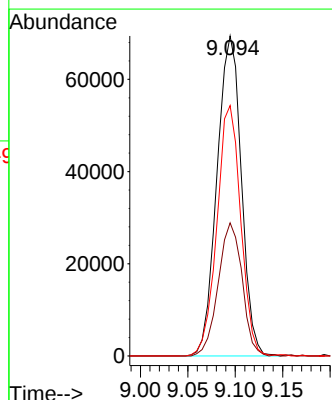
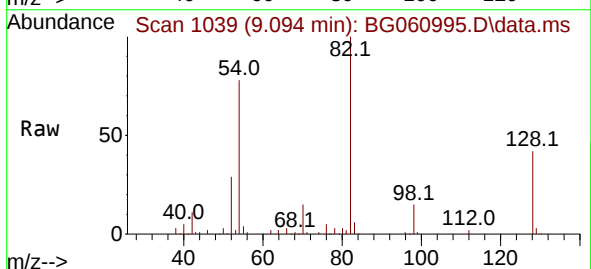
Tgt Ion: 82 Resp: 124065

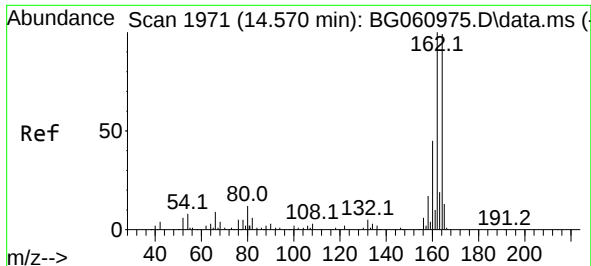
Ion Ratio Lower Upper

82 100

128 41.6 32.1 48.1

54 78.2 62.3 93.5

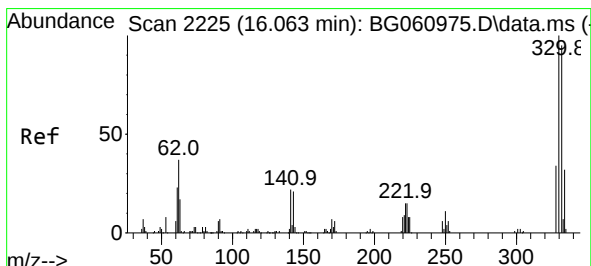
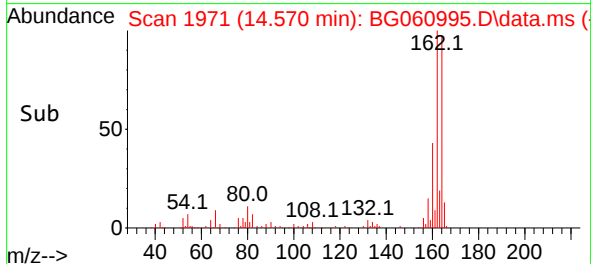
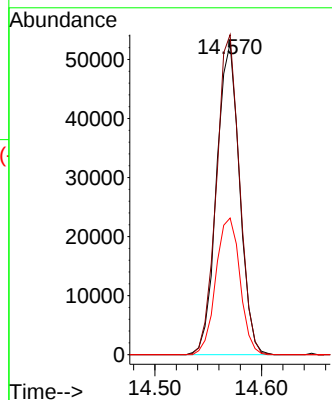
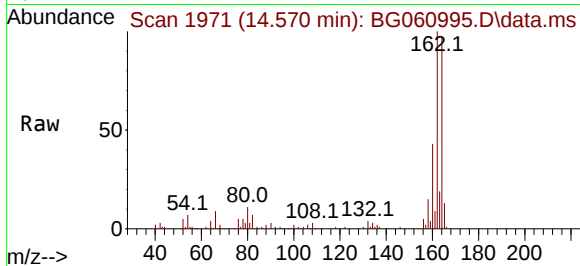




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.570 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

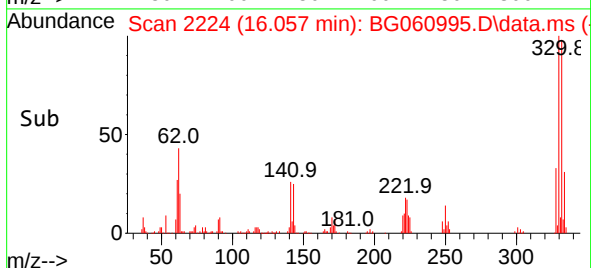
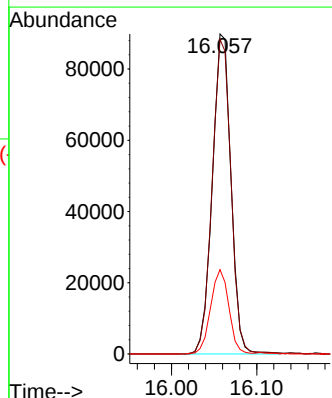
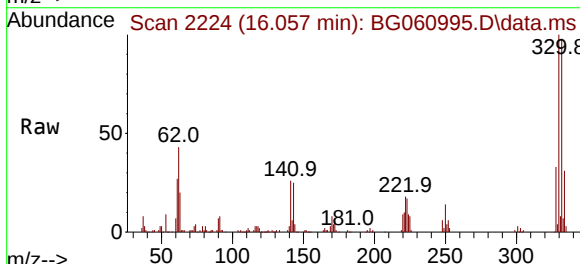
Instrument :
BNA_G
ClientSampleId :
COMP-C

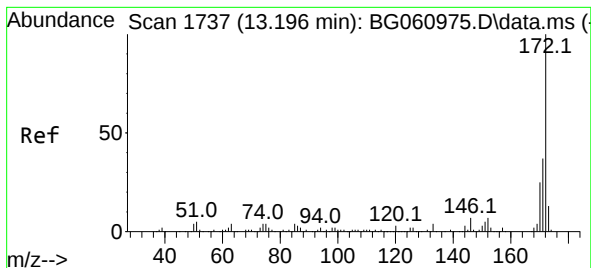
Tgt Ion:164 Resp: 78769
Ion Ratio Lower Upper
164 100
162 102.7 81.2 121.8
160 43.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 78.778 ng
RT: 16.057 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

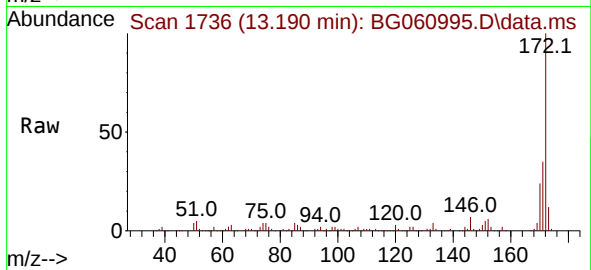
Tgt Ion:330 Resp: 136263
Ion Ratio Lower Upper
330 100
332 98.8 77.1 115.7
141 25.8 20.6 31.0



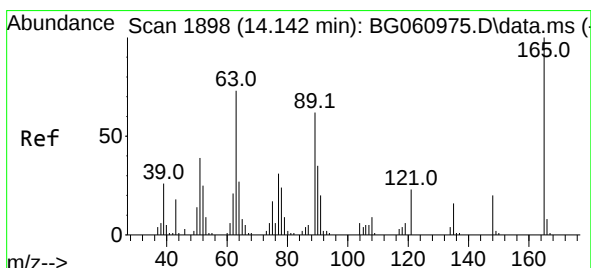
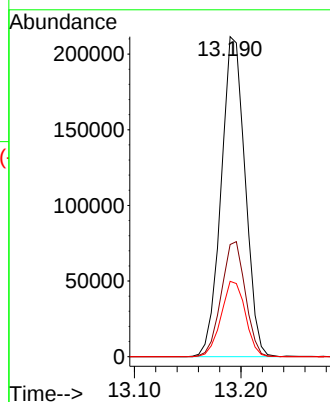
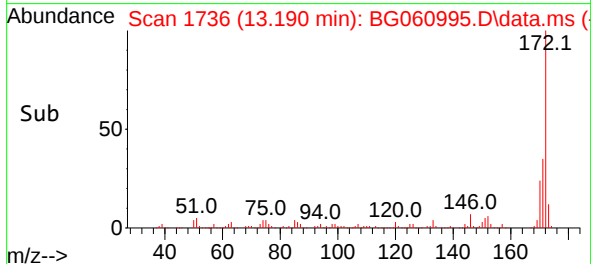


#45
2-Fluorobiphenyl
Concen: 57.986 ng
RT: 13.190 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

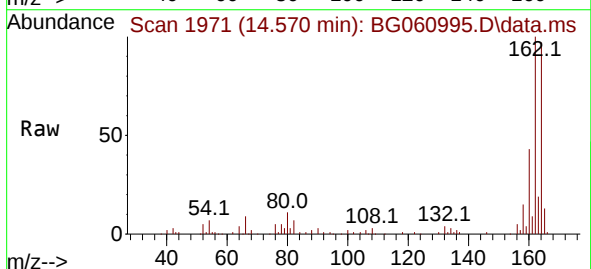
Instrument :
BNA_G
ClientSampleId :
COMP-C



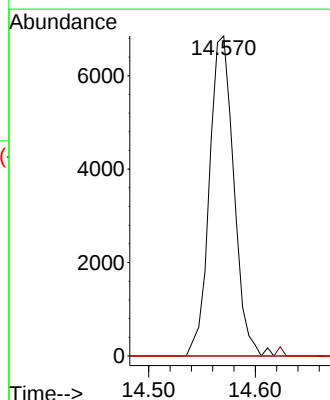
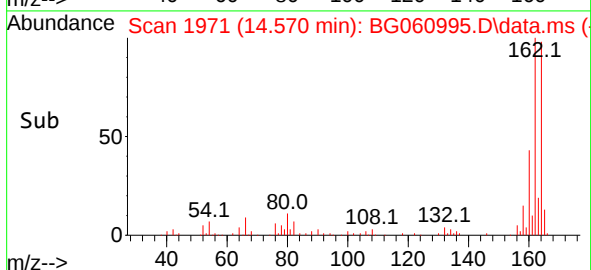
Tgt Ion:172 Resp: 330020
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.6 20.1 30.1

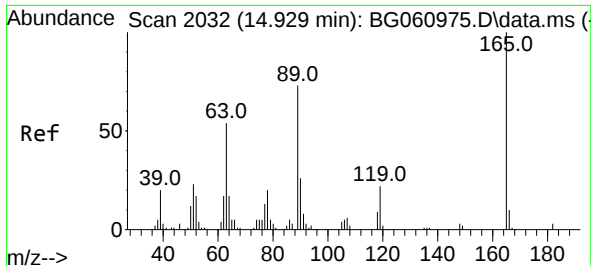


#51
2,6-Dinitrotoluene
Concen: 8.036 ng
RT: 14.570 min Scan# 1971
Delta R.T. 0.429 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24



Tgt Ion:165 Resp: 10891
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 0.0 49.4 74.0#





#57

2,4-Dinitrotoluene

Concen: 5.580 ng

RT: 14.570 min Scan# 1971

Delta R.T. -0.358 min

Lab File: BG060995.D

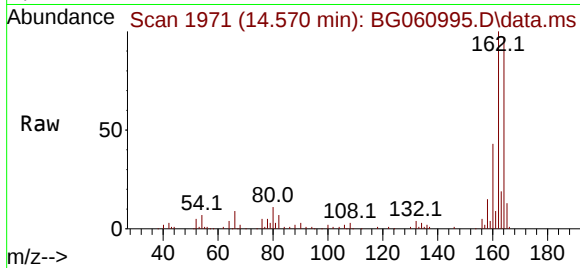
Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C



Tgt Ion:165 Resp: 10891

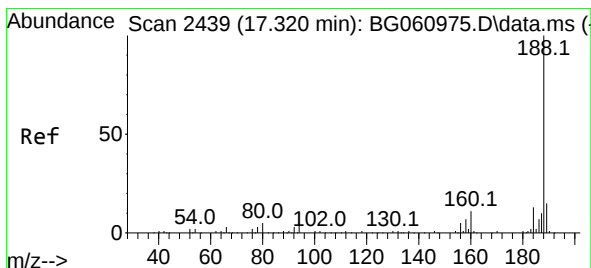
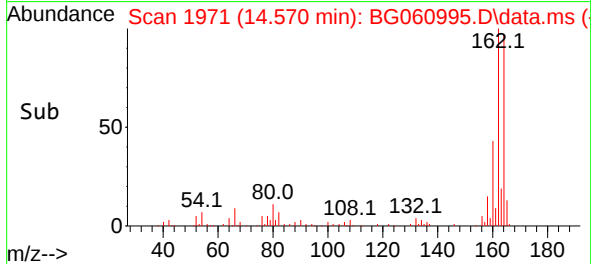
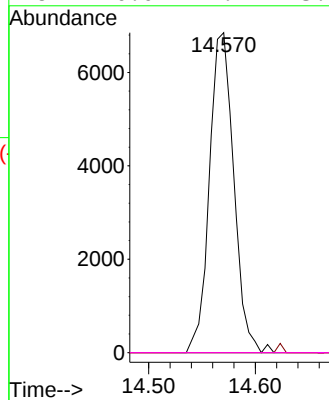
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

89 0.0 58.4 87.6#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.314 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

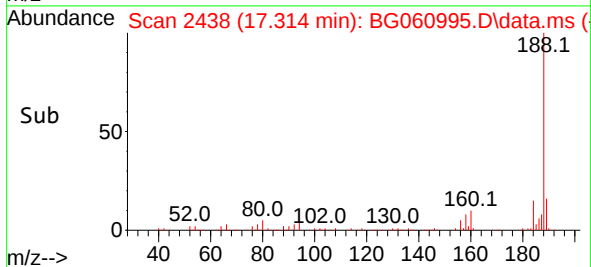
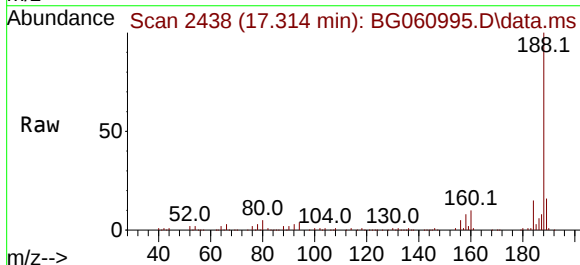
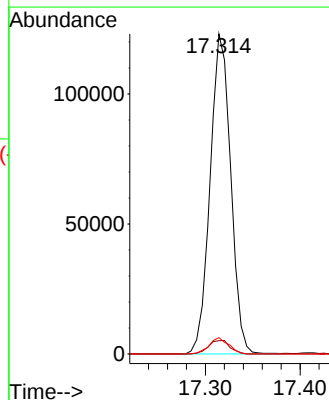
Tgt Ion:188 Resp: 185916

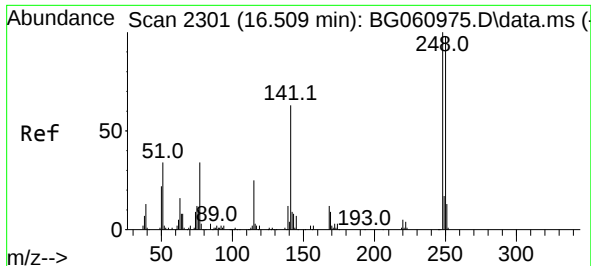
Ion Ratio Lower Upper

188 100

94 4.1 4.1 6.1

80 5.1 4.0 6.0

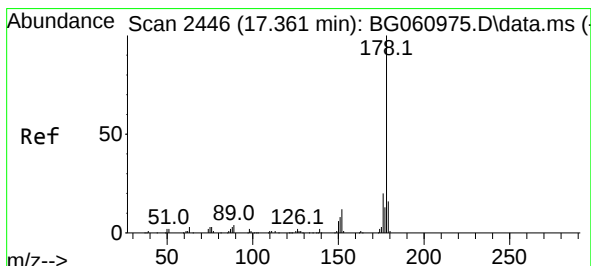
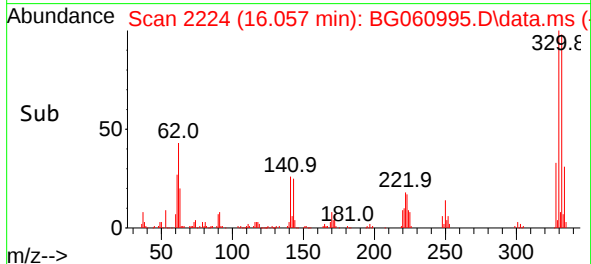
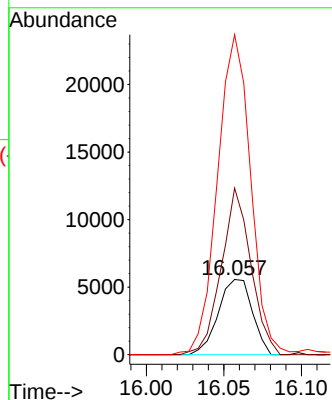
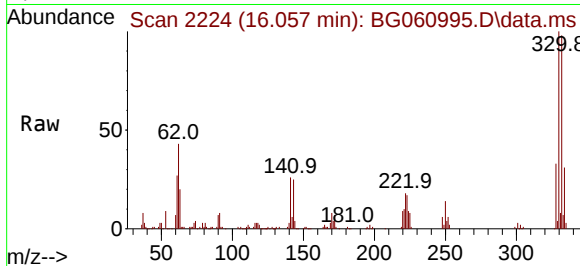




#67
4-Bromophenyl-phenylether
Concen: 3.458 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

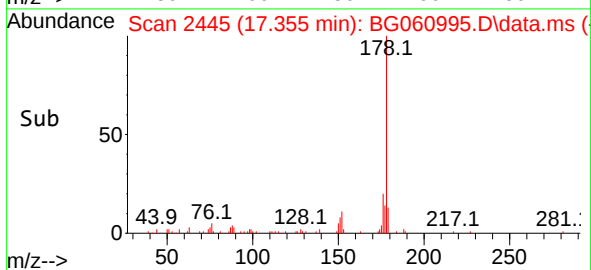
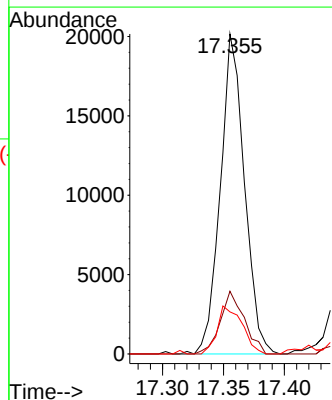
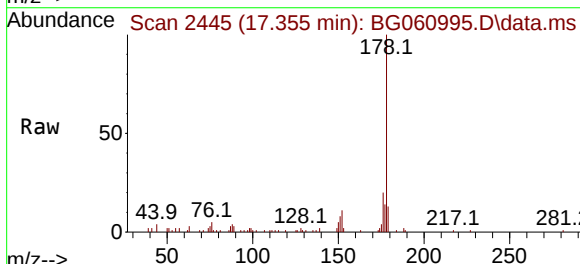
Instrument :
BNA_G
ClientSampleId :
COMP-C

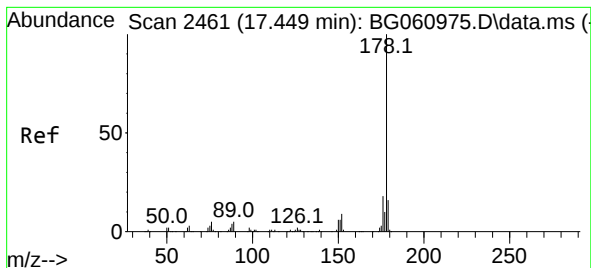
Tgt Ion:248 Resp: 8485
Ion Ratio Lower Upper
248 100
250 221.8 78.7 118.1#
141 426.0 50.4 75.6#



#71
Phenanthrene
Concen: 2.925 ng
RT: 17.355 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

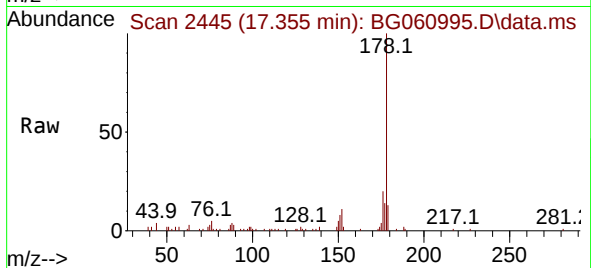
Tgt Ion:178 Resp: 27753
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 13.2 12.5 18.7



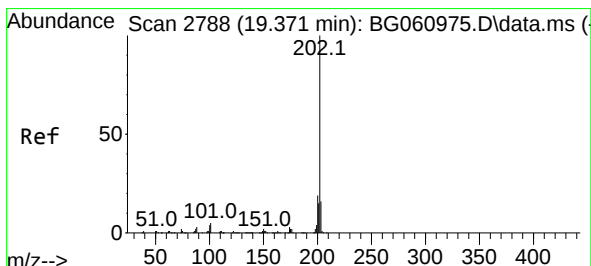
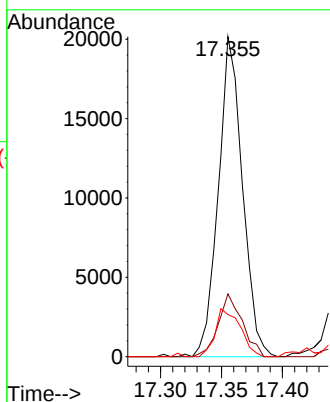
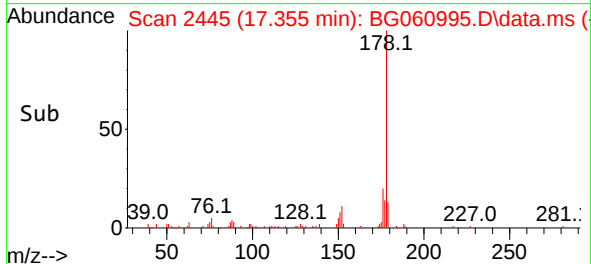


#72
Anthracene
Concen: 2.840 ng
RT: 17.355 min Scan# 2461
Delta R.T. -0.094 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Instrument :
BNA_G
ClientSampleId :
COMP-C

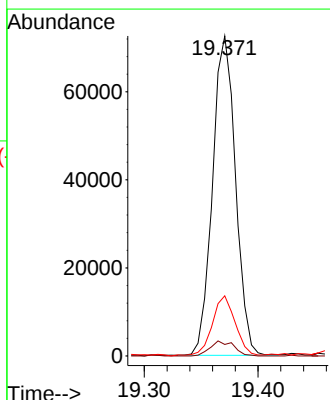
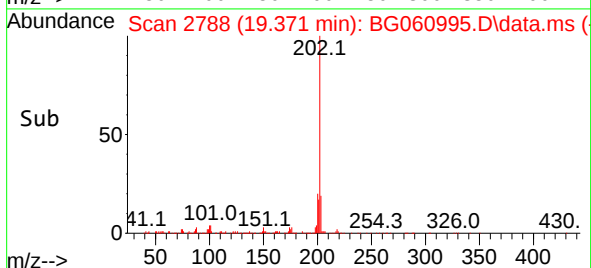
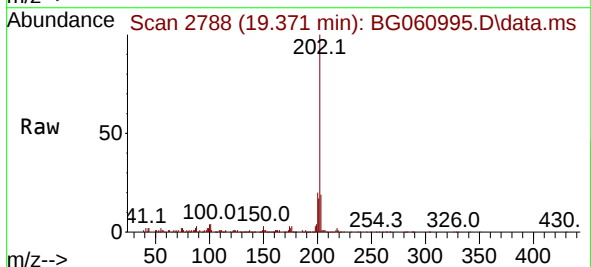


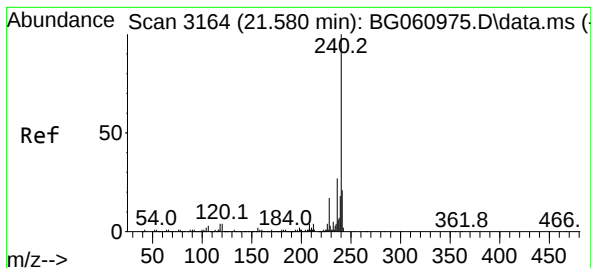
Tgt Ion:178 Resp: 27753
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 13.2 12.4 18.6



#75
Fluoranthene
Concen: 8.097 ng
RT: 19.371 min Scan# 2788
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:202 Resp: 101974
Ion Ratio Lower Upper
202 100
101 3.6 0.0 24.9
203 18.8 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

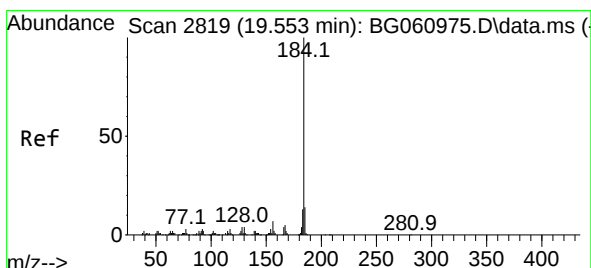
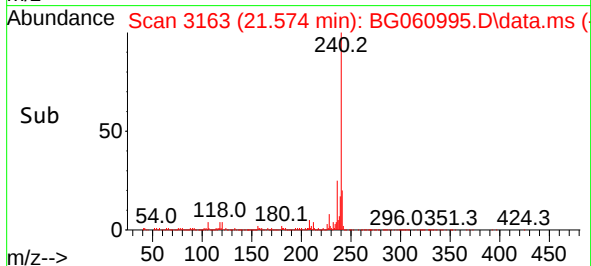
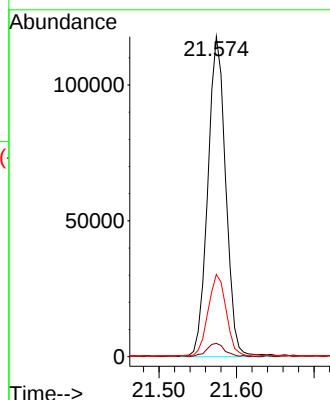
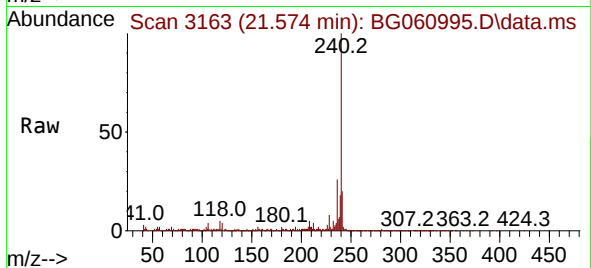
Tgt Ion:240 Resp: 189534

Ion Ratio Lower Upper

240 100

120 4.1 3.0 4.6

236 25.7 21.8 32.6



#77

Benzidine

Concen: 3.127 ng

RT: 19.935 min Scan# 2884

Delta R.T. 0.382 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

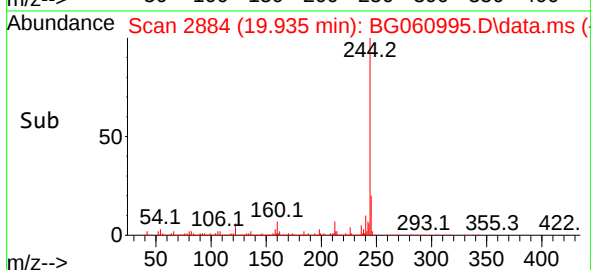
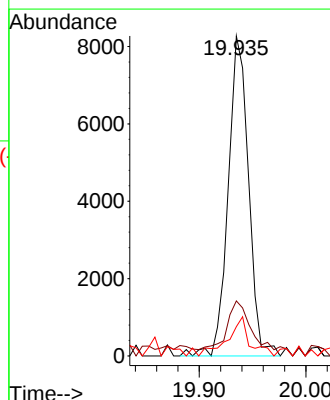
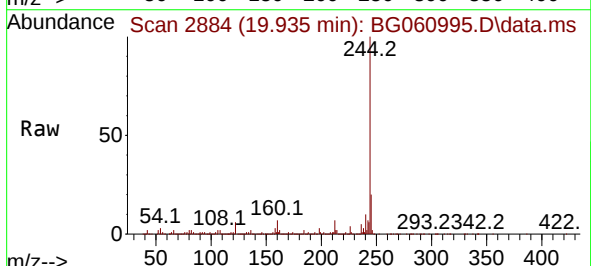
Tgt Ion:184 Resp: 10982

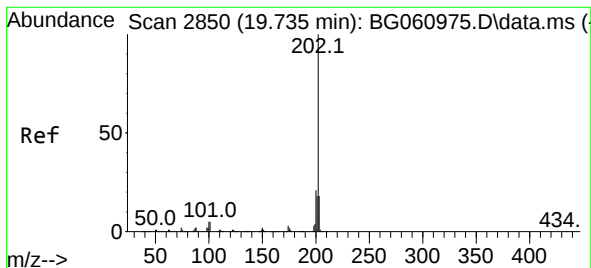
Ion Ratio Lower Upper

184 100

185 17.2 11.3 16.9#

183 9.2 10.2 15.2#





#78

Pyrene

Concen: 7.342 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

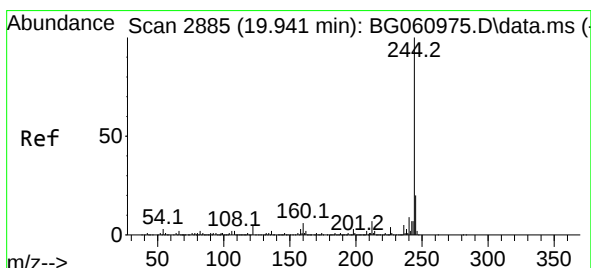
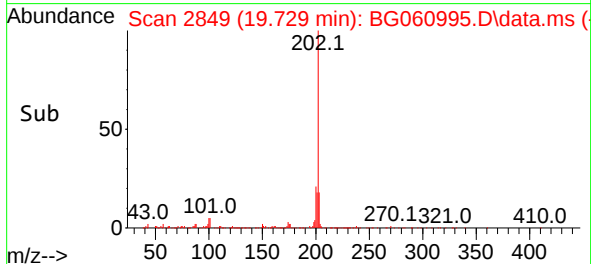
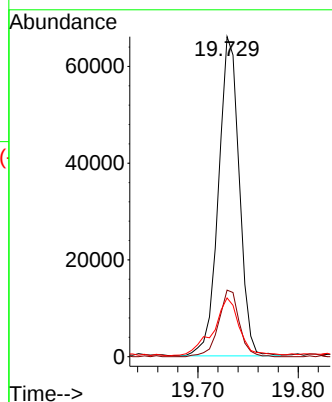
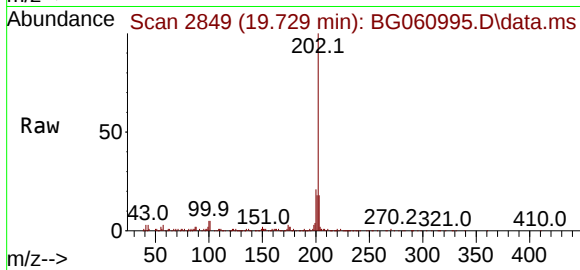
Tgt Ion:202 Resp: 94749

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.4 14.2 21.2



#79

Terphenyl-d14

Concen: 51.393 ng

RT: 19.941 min Scan# 2885

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

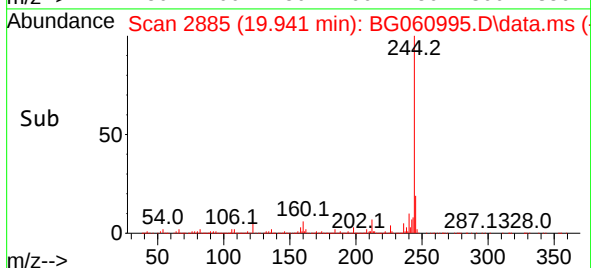
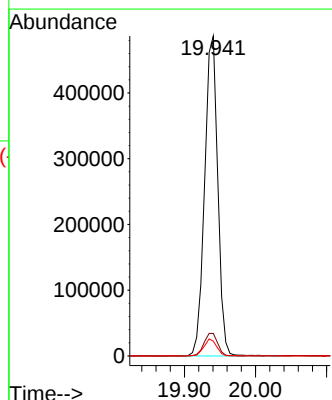
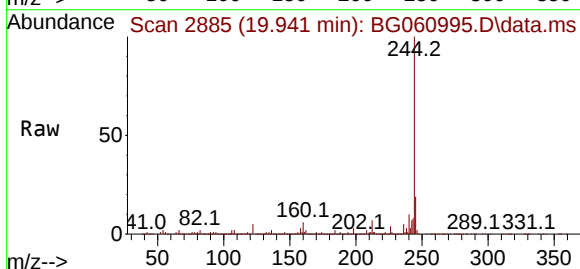
Tgt Ion:244 Resp: 627533

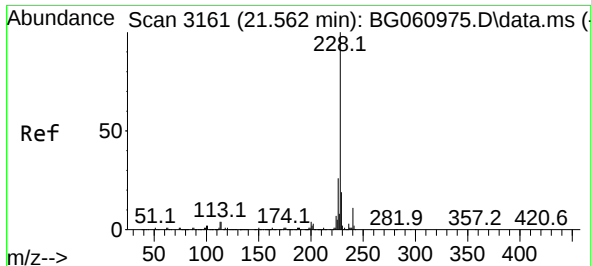
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 4.6 4.2 6.2

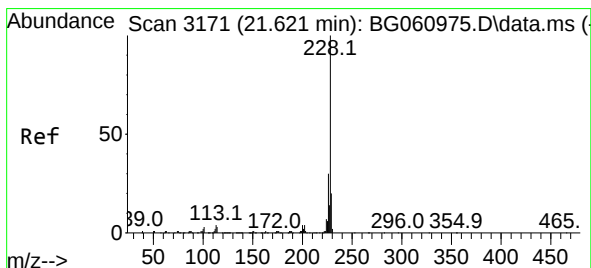
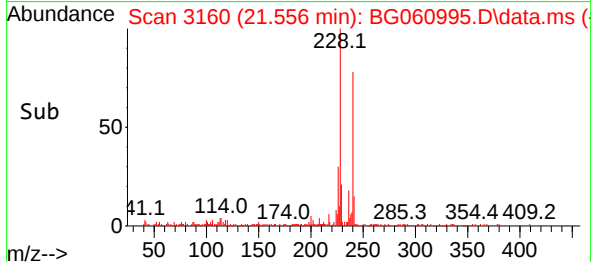
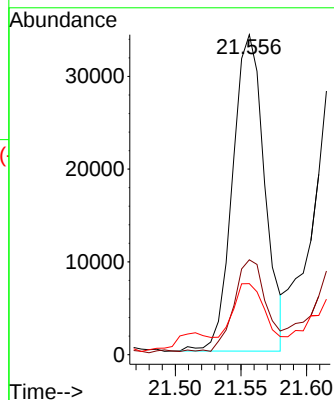
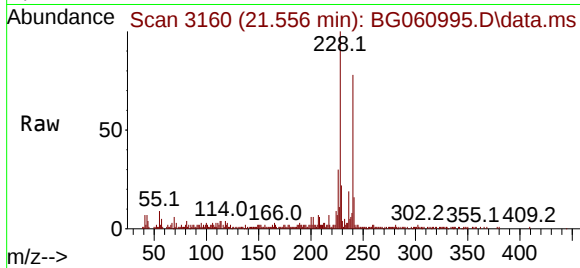




#81
Benzo(a)anthracene
Concen: 4.359 ng
RT: 21.556 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

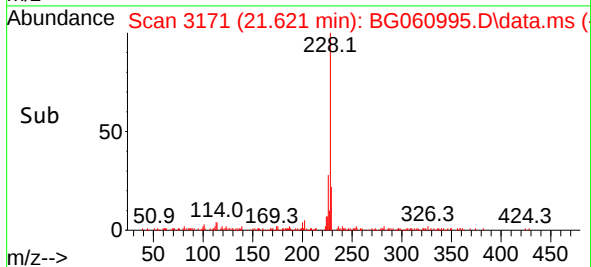
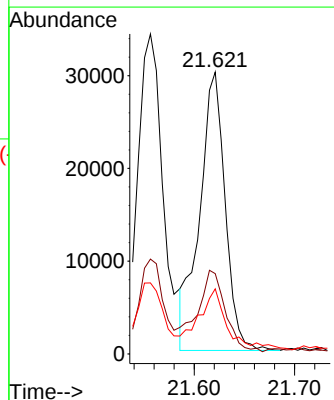
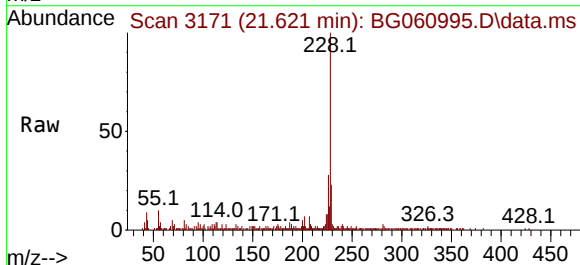
Instrument :
BNA_G
ClientSampleId :
COMP-C

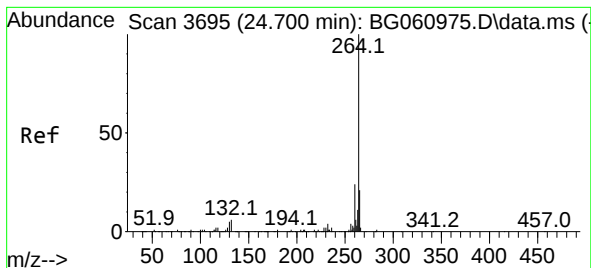
Tgt Ion:228 Resp: 58088
Ion Ratio Lower Upper
228 100
226 29.7 21.0 31.4
229 22.2 15.0 22.4



#83
Chrysene
Concen: 4.203 ng
RT: 21.621 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:228 Resp: 53326
Ion Ratio Lower Upper
228 100
226 28.5 24.2 36.2
229 23.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.706 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

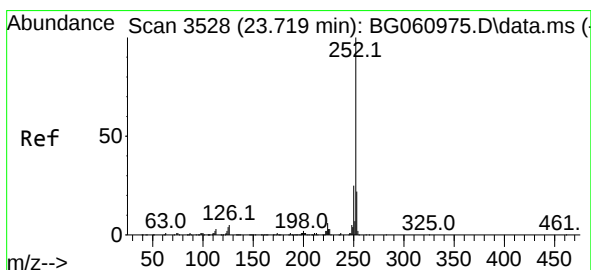
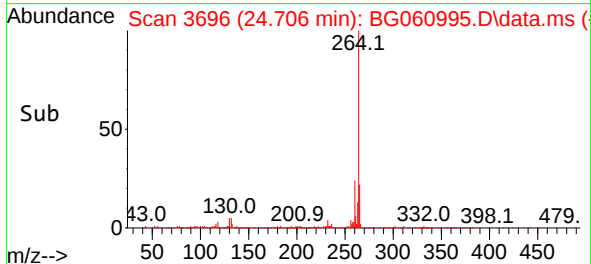
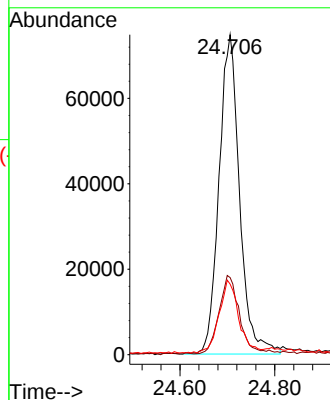
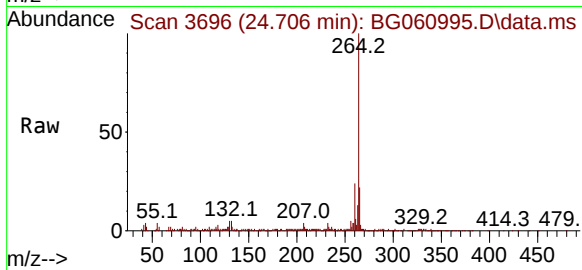
Tgt Ion:264 Resp: 224844

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.0 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.606 ng

RT: 23.718 min Scan# 3528

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

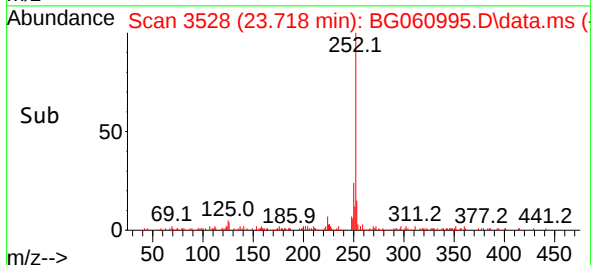
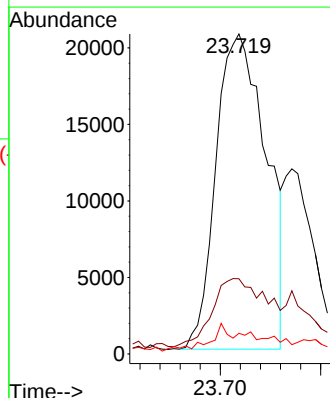
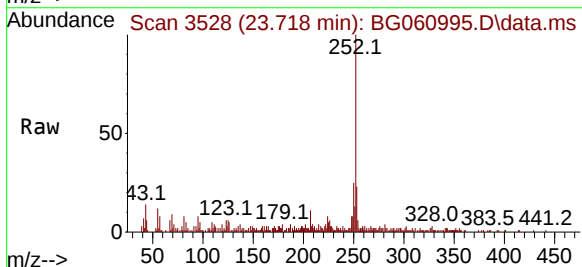
Tgt Ion:252 Resp: 71436

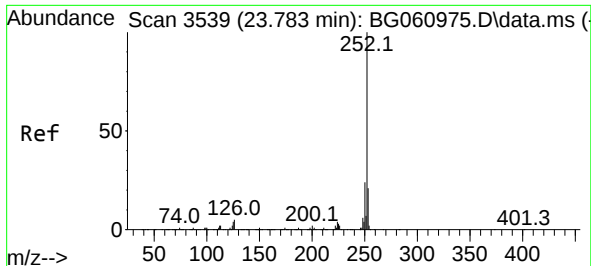
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 6.4 3.3 4.9#

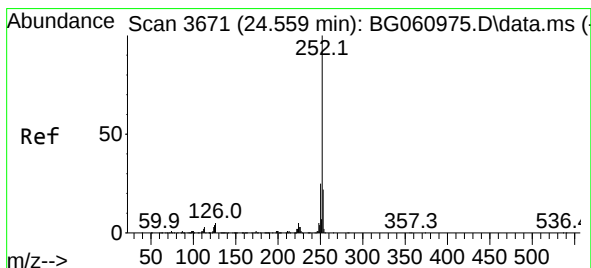
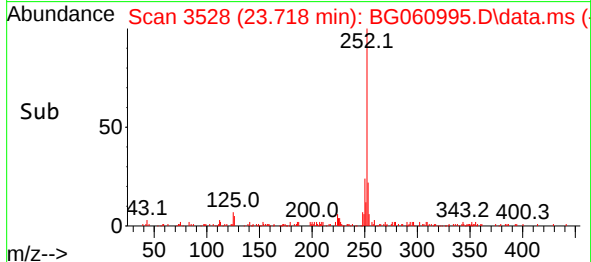
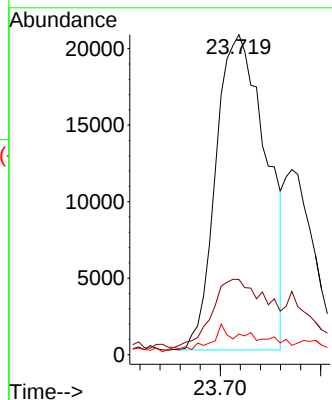
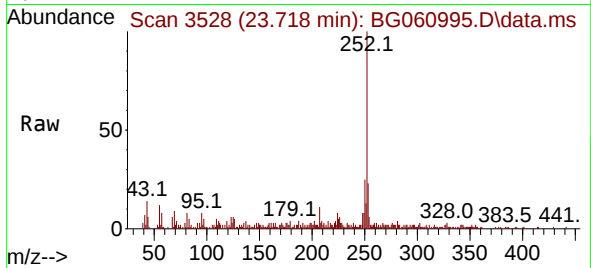




#89
Benzo(k)fluoranthene
Concen: 5.554 ng
RT: 23.718 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Instrument :
BNA_G
ClientSampleId :
COMP-C

Tgt Ion:252 Resp: 71436
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 6.4 3.3 4.9#



#90
Benzo(a)pyrene
Concen: 3.985 ng
RT: 24.553 min Scan# 3670
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:252 Resp: 49152
Ion Ratio Lower Upper
252 100
253 28.5 17.7 26.5#
125 5.7 3.6 5.4#

