

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG061001.D
 Acq On : 22 Apr 2024 21:34
 Operator : MA/JU
 Sample : P2194-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-041824

Quant Time: Apr 23 02:22:30 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)

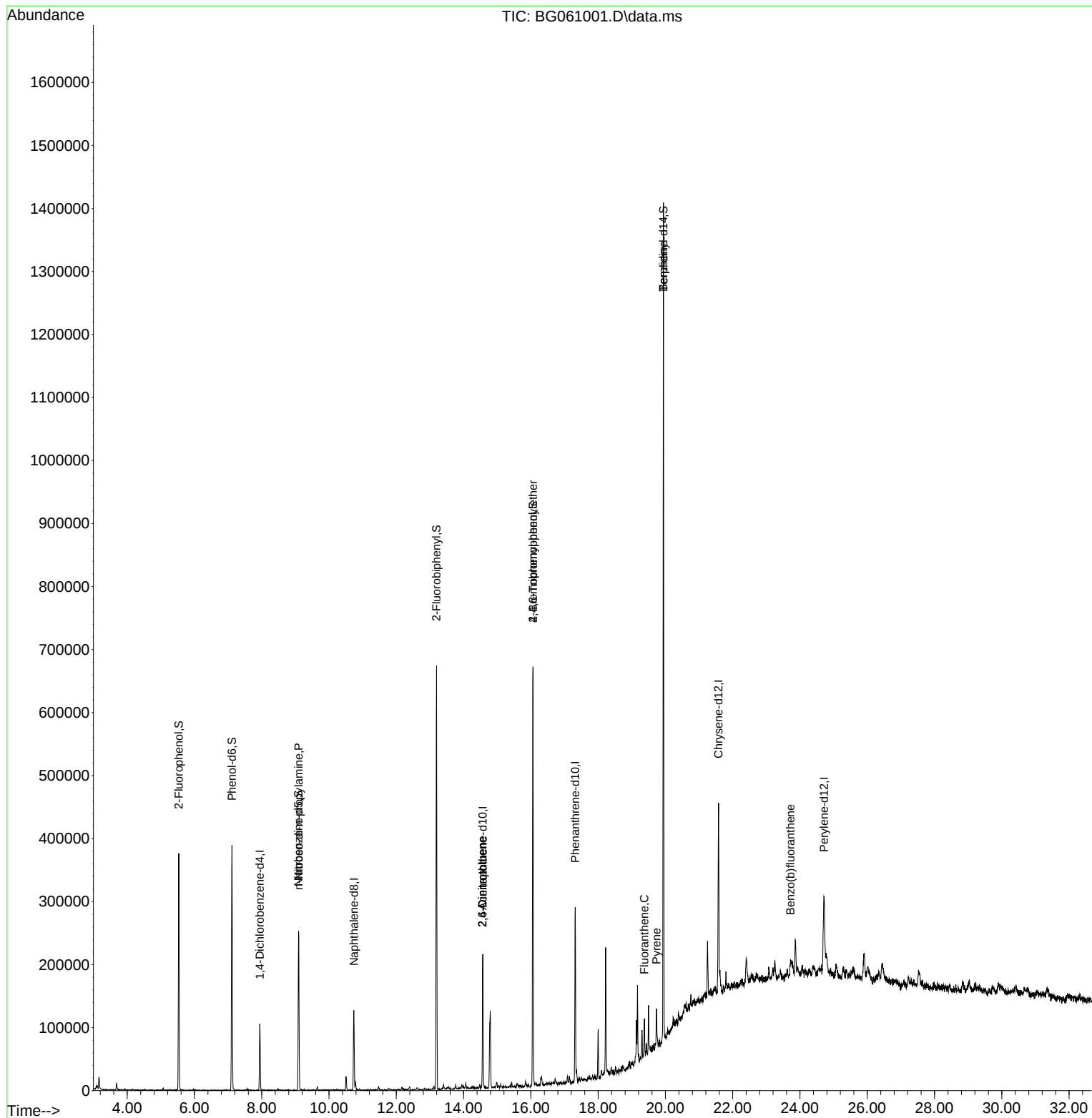
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	28042	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	99947	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	75529	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	182127	20.000	ng	0.00
76) Chrysene-d12	21.578	240	183600	20.000	ng	0.00
86) Perylene-d12	24.710	264	181568	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.533	112	135304	97.599	ng	0.00
7) Phenol-d6	7.113	99	178072	86.571	ng	0.00
23) Nitrobenzene-d5	9.093	82	131163	58.962	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	148164	89.333	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	337009	61.754	ng	0.00
79) Terphenyl-d14	19.939	244	671333	56.757	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.099	70	19847	12.947	ng	# 64
51) 2,6-Dinitrotoluene	14.563	165	10825	8.330	ng	# 17
57) 2,4-Dinitrotoluene	14.563	165	10825	5.784	ng	# 21
67) 4-Bromophenyl-phenylether	16.061	248	9356	3.892	ng	# 1
75) Fluoranthene	19.375	202	30705	2.489	ng	93
77) Benzidine	19.939	184	12506	3.676	ng	94
78) Pyrene	19.734	202	32680	2.614	ng	97
88) Benzo(b)fluoranthene	23.717	252	24550	2.386	ng	# 76

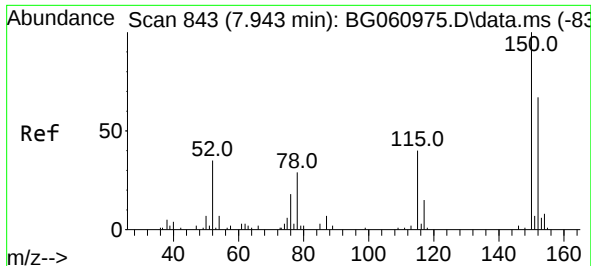
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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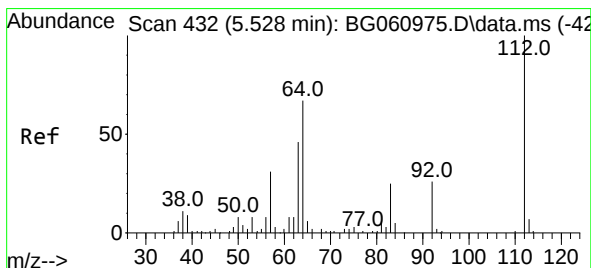
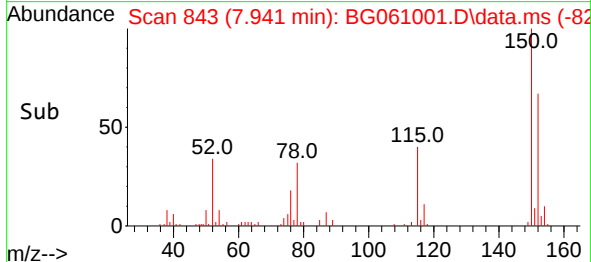
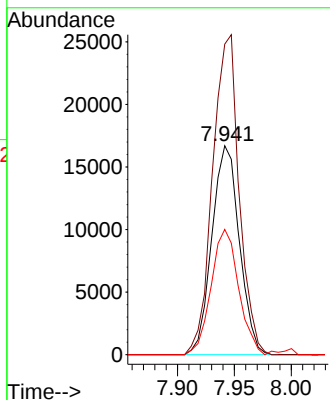
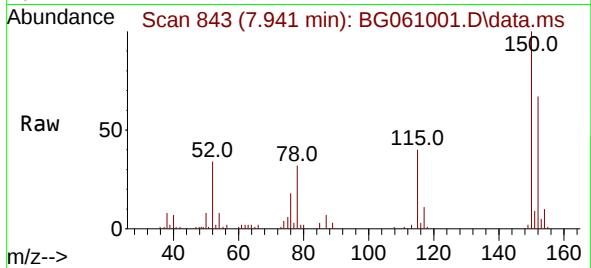




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

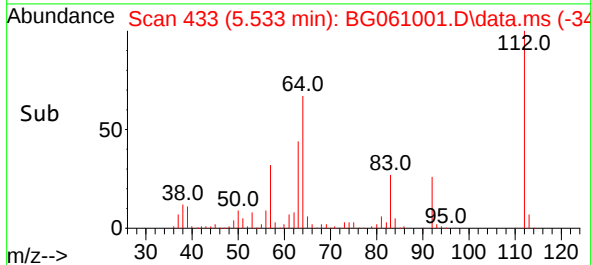
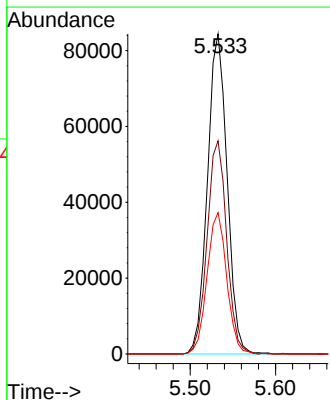
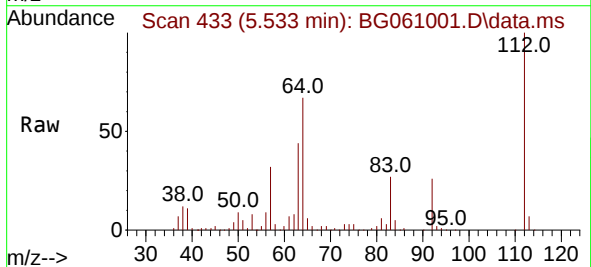
Instrument :
BNA_G
ClientSampleId :
CL-01-041824

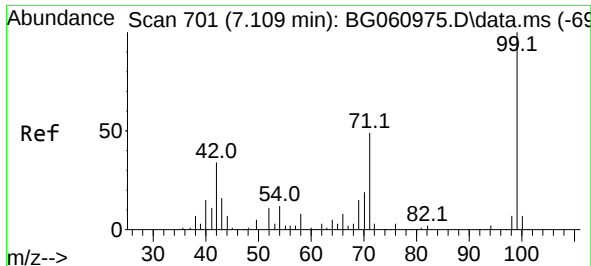
Tgt Ion:152 Resp: 28042
Ion Ratio Lower Upper
152 100
150 148.6 118.6 178.0
115 60.0 47.4 71.0



#5
2-Fluorophenol
Concen: 97.599 ng
RT: 5.533 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

Tgt Ion:112 Resp: 135304
Ion Ratio Lower Upper
112 100
64 66.6 53.7 80.5
63 44.2 37.0 55.6





#7

Phenol-d6

Concen: 86.571 ng

RT: 7.113 min Scan# 701

Delta R.T. 0.004 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

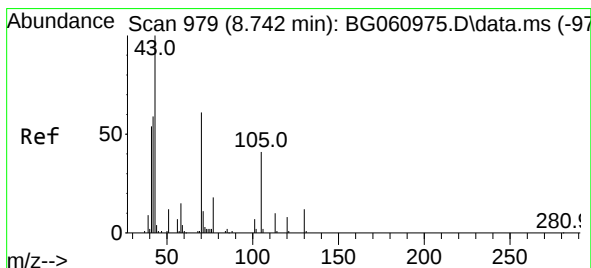
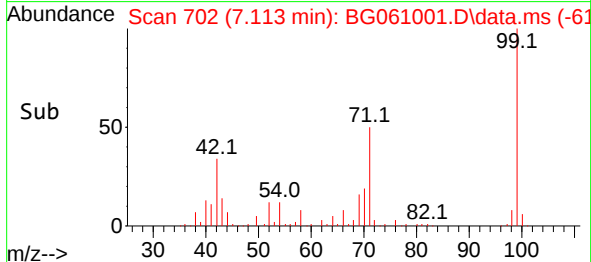
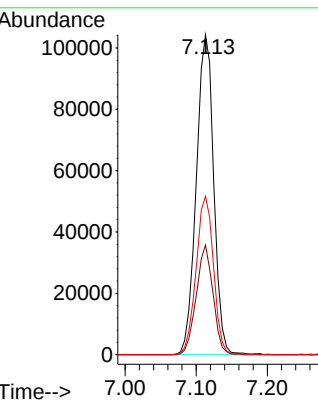
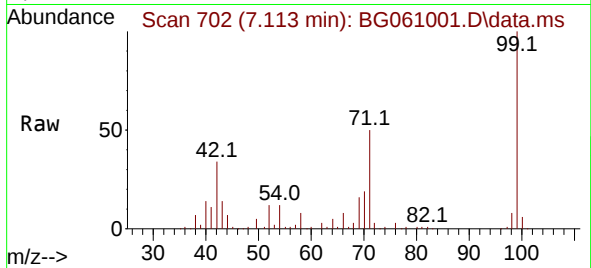
Tgt Ion: 99 Resp: 178072

Ion Ratio Lower Upper

99 100

42 34.3 27.2 40.8

71 49.6 38.8 58.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.947 ng

RT: 9.099 min Scan# 1040

Delta R.T. 0.357 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Tgt Ion: 70 Resp: 19847

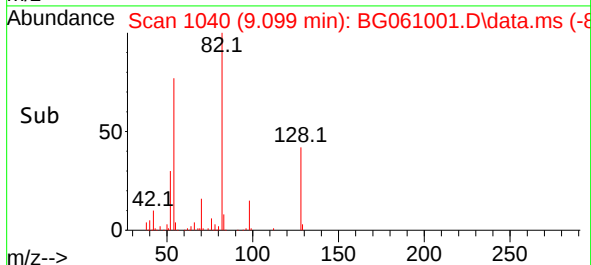
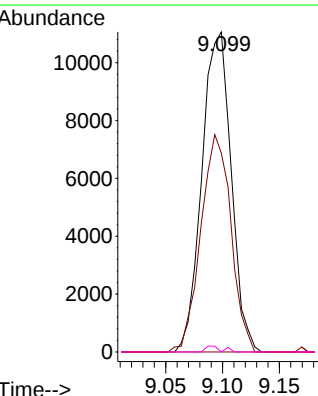
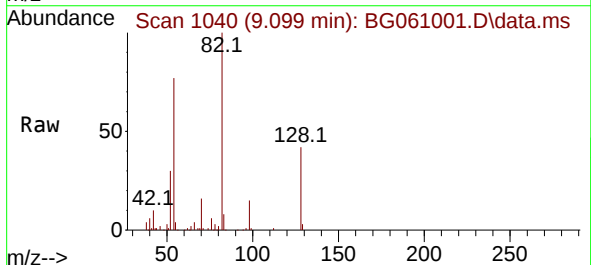
Ion Ratio Lower Upper

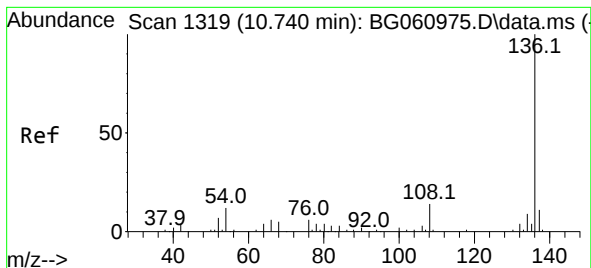
70 100

42 62.1 78.0 117.0#

101 0.0 8.6 13.0#

130 0.0 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.738 min Scan# 1319

Delta R.T. -0.002 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

Tgt Ion:136 Resp: 99947

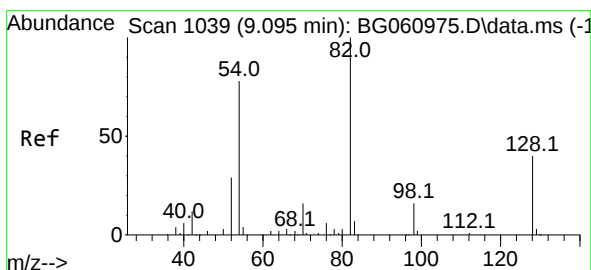
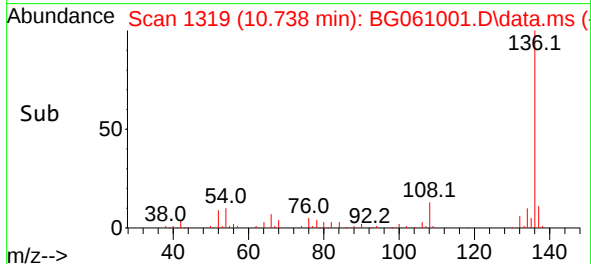
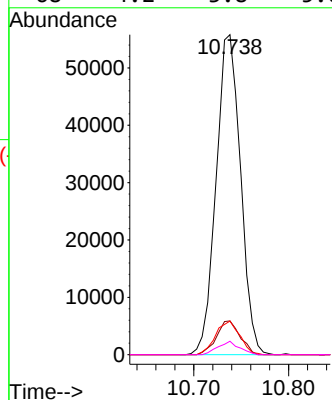
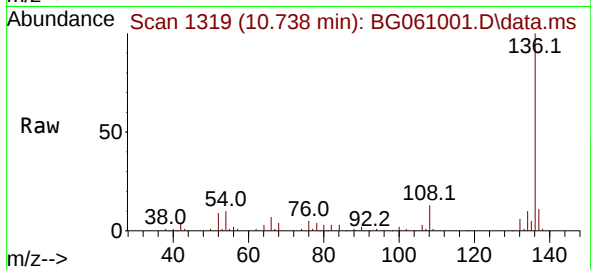
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 10.5 9.4 14.0

68 4.2 3.8 5.6



#23

Nitrobenzene-d5

Concen: 58.962 ng

RT: 9.093 min Scan# 1039

Delta R.T. -0.001 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

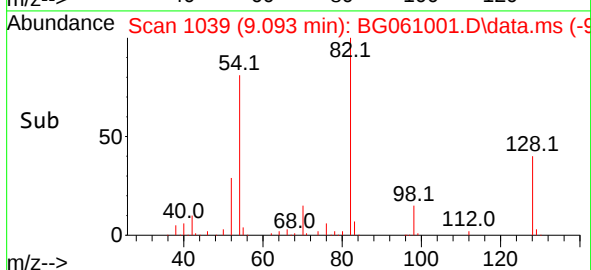
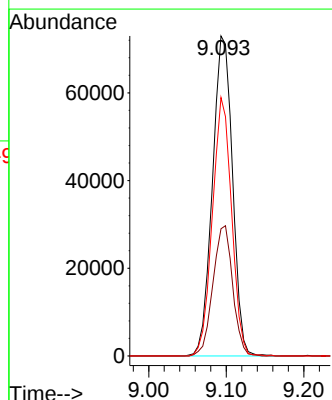
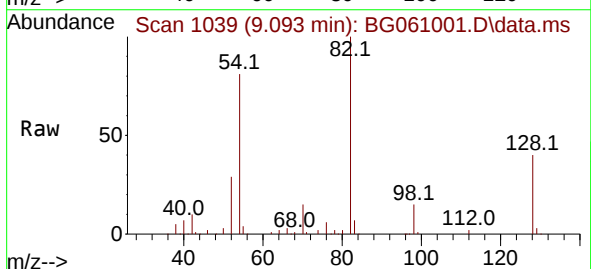
Tgt Ion: 82 Resp: 131163

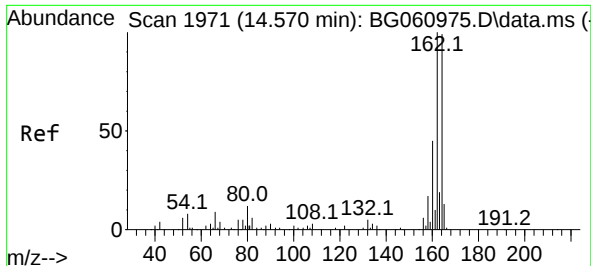
Ion Ratio Lower Upper

82 100

128 39.8 32.1 48.1

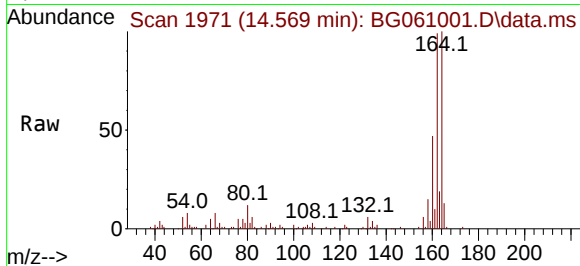
54 80.7 62.3 93.5



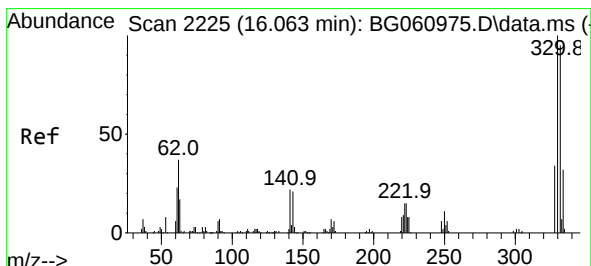
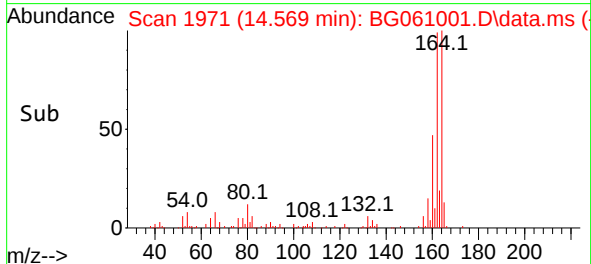
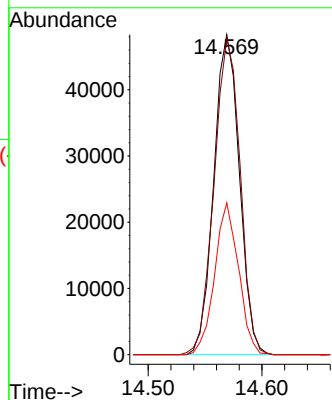


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

Instrument :
BNA_G
ClientSampleId :
CL-01-041824

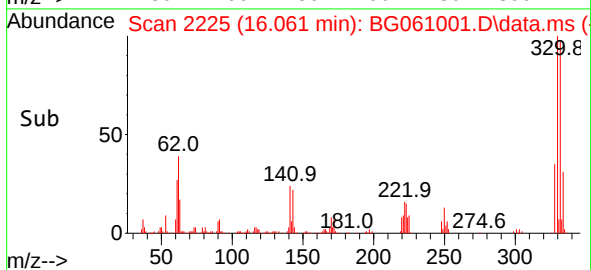
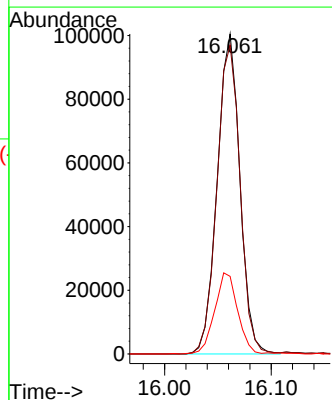
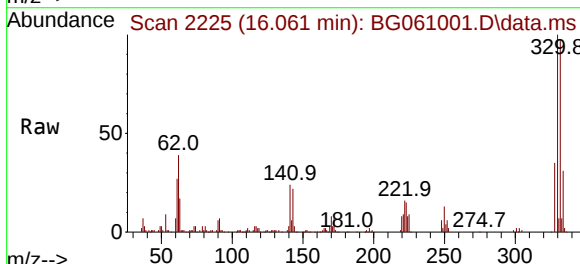


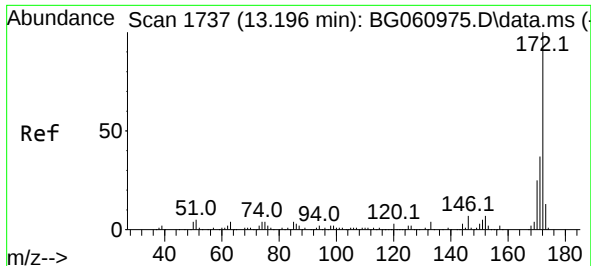
Tgt Ion:164 Resp: 75529
Ion Ratio Lower Upper
164 100
162 98.9 81.2 121.8
160 47.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 89.333 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.002 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

Tgt Ion:330 Resp: 148164
Ion Ratio Lower Upper
330 100
332 98.6 77.1 115.7
141 26.0 20.6 31.0

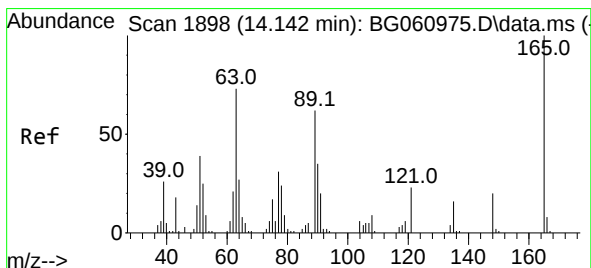
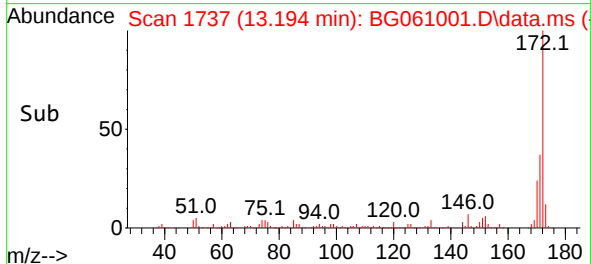
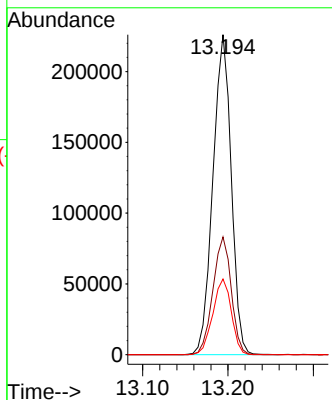
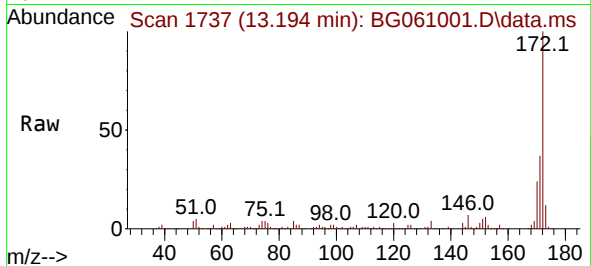




#45
2-Fluorobiphenyl
Concen: 61.754 ng
RT: 13.194 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

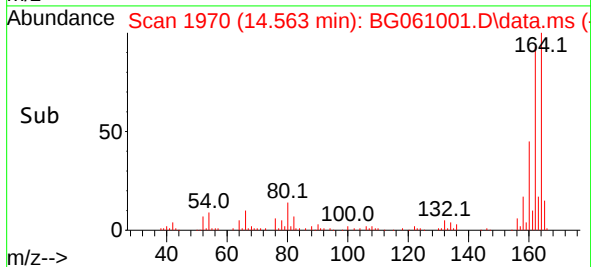
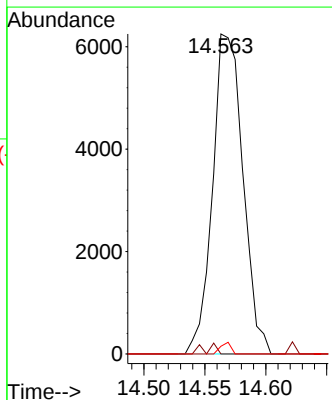
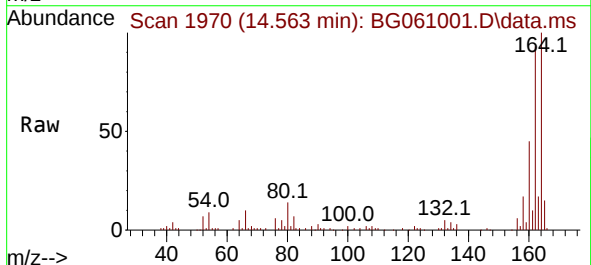
Instrument :
BNA_G
ClientSampleId :
CL-01-041824

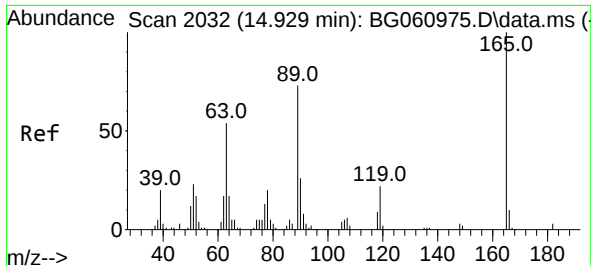
Tgt Ion:172 Resp: 337009
Ion Ratio Lower Upper
172 100
171 36.8 29.3 43.9
170 23.7 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 8.330 ng
RT: 14.563 min Scan# 1970
Delta R.T. 0.422 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

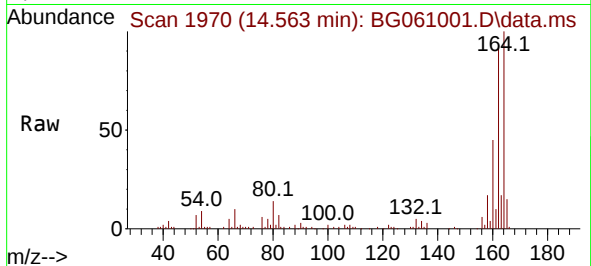
Tgt Ion:165 Resp: 10825
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 2.4 49.4 74.0#



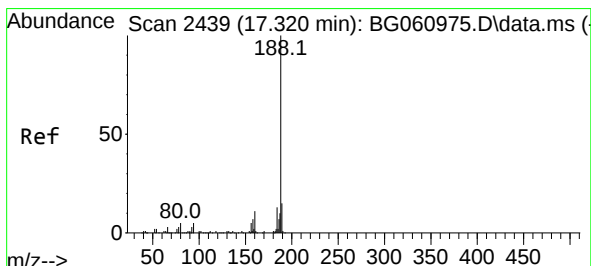
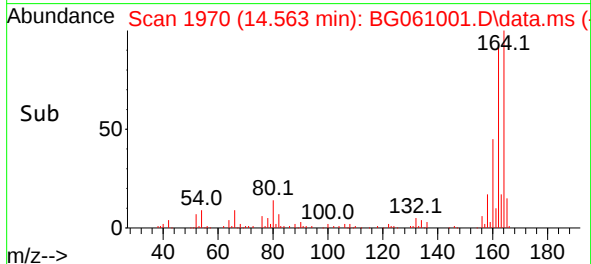
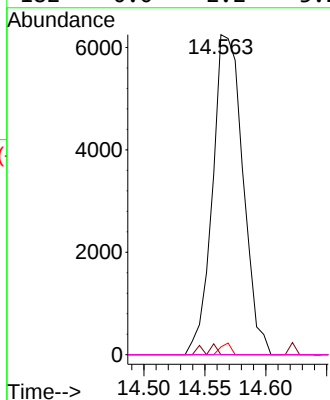


#57
2,4-Dinitrotoluene
Concen: 5.784 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.366 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

Instrument :
BNA_G
ClientSampleId :
CL-01-041824

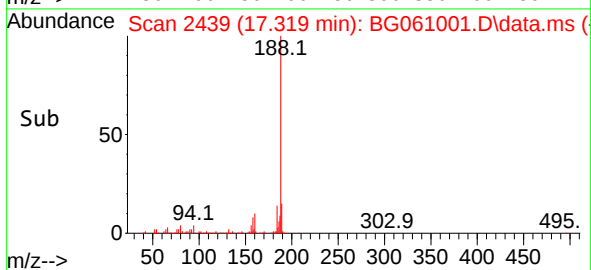
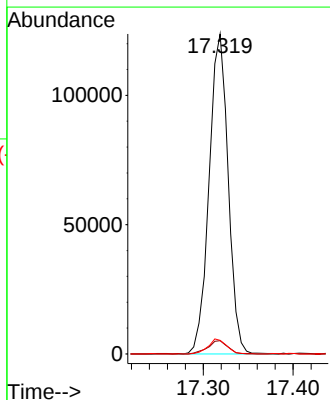
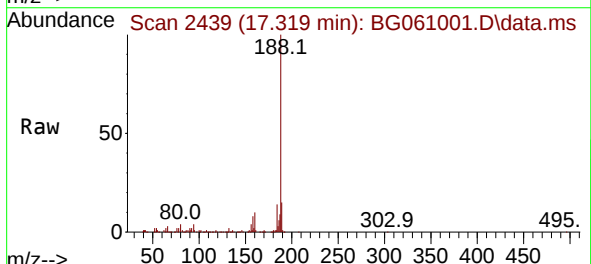


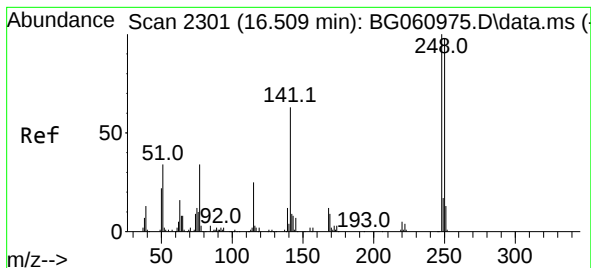
Tgt Ion:165	Resp:	10825
Ion	Ratio	Lower Upper
165	100	
63	0.0	43.4 65.2#
89	2.4	58.4 87.6#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG061001.D
Acq: 22 Apr 2024 21:34

Tgt Ion:188	Resp:	182127
Ion	Ratio	Lower Upper
188	100	
94	4.1	4.1 6.1
80	4.3	4.0 6.0





#67

4-Bromophenyl-phenylether

Concen: 3.892 ng

RT: 16.061 min Scan# 21

Delta R.T. -0.448 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

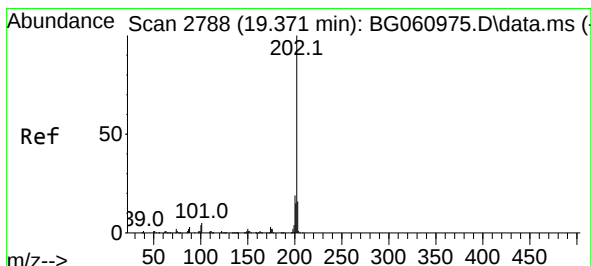
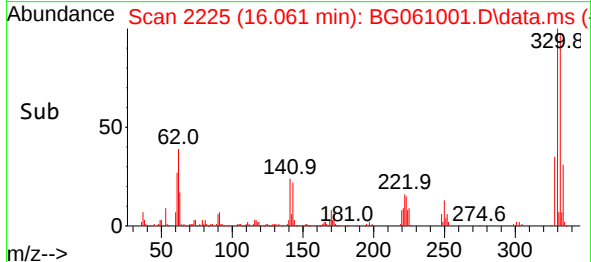
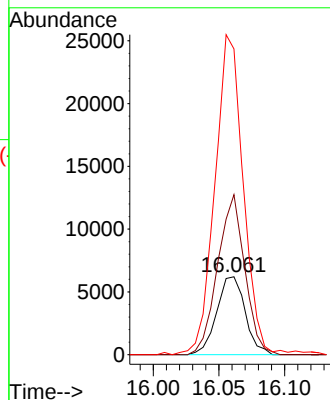
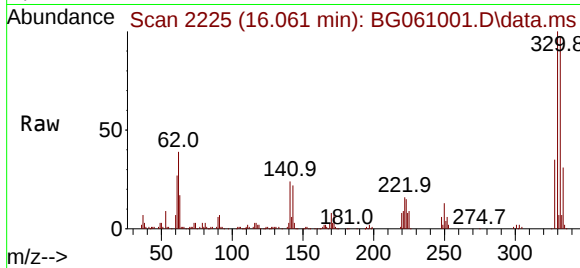
Tgt Ion:248 Resp: 9356

Ion Ratio Lower Upper

248 100

250 205.1 78.7 118.1#

141 392.1 50.4 75.6#



#75

Fluoranthene

Concen: 2.489 ng

RT: 19.375 min Scan# 2789

Delta R.T. 0.004 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

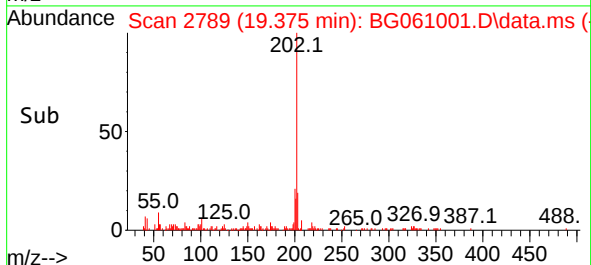
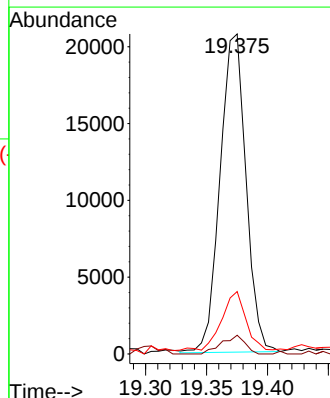
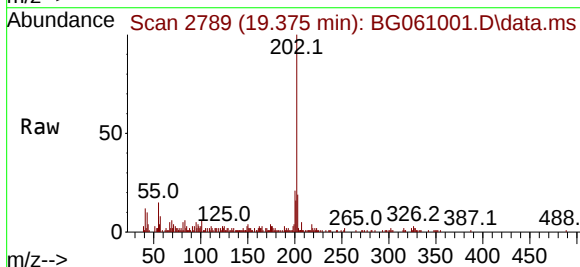
Tgt Ion:202 Resp: 30705

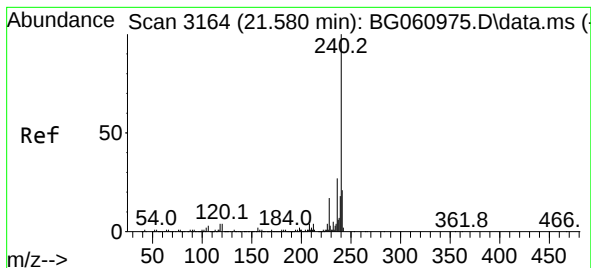
Ion Ratio Lower Upper

202 100

101 5.8 0.0 24.9

203 19.5 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

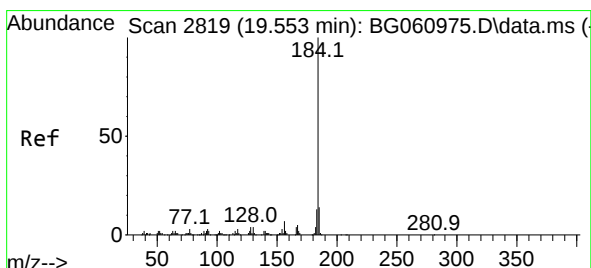
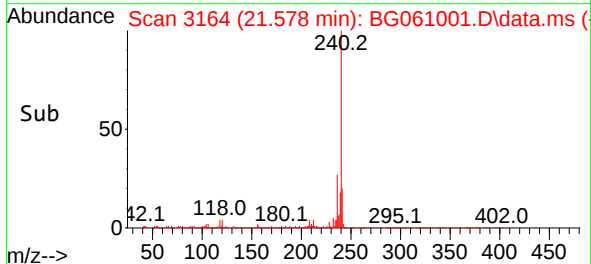
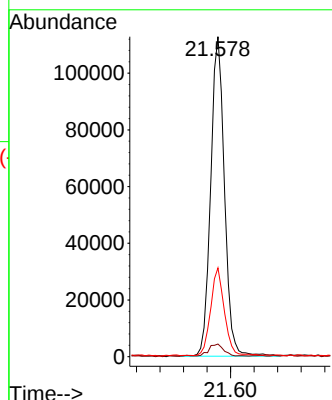
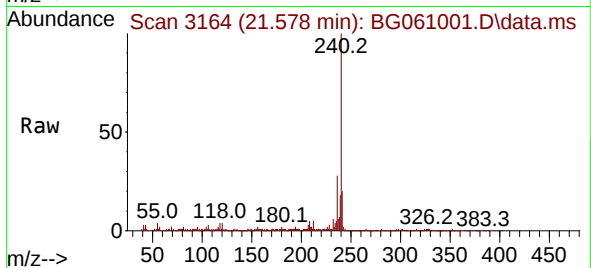
Tgt Ion:240 Resp: 183600

Ion Ratio Lower Upper

240 100

120 3.9 3.0 4.6

236 27.7 21.8 32.6



#77

Benzidine

Concen: 3.676 ng

RT: 19.939 min Scan# 2885

Delta R.T. 0.386 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

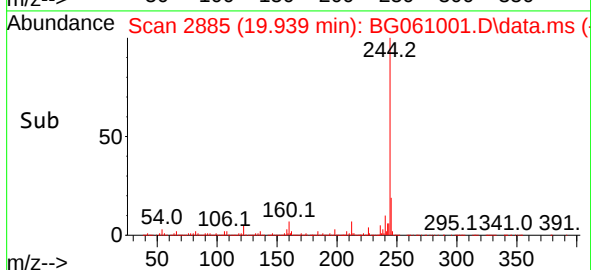
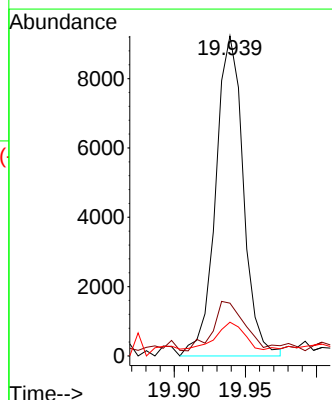
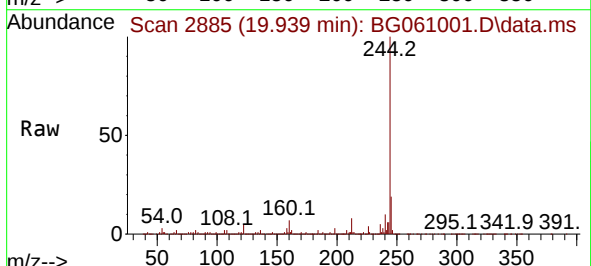
Tgt Ion:184 Resp: 12506

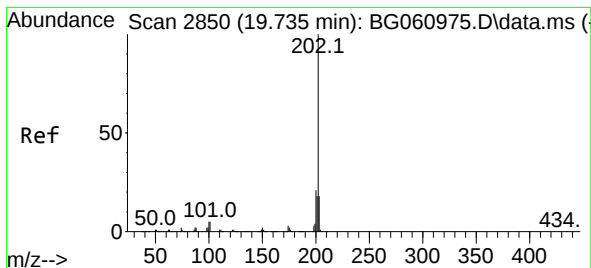
Ion Ratio Lower Upper

184 100

185 16.5 11.3 16.9

183 10.6 10.2 15.2





#78

Pyrene

Concen: 2.614 ng

RT: 19.734 min Scan# 2850

Delta R.T. -0.001 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

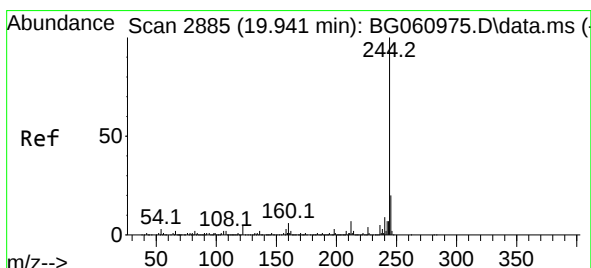
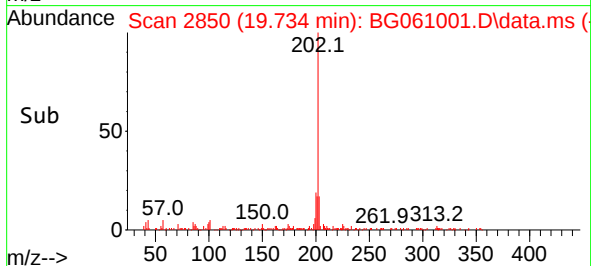
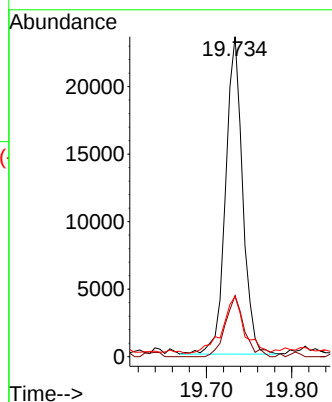
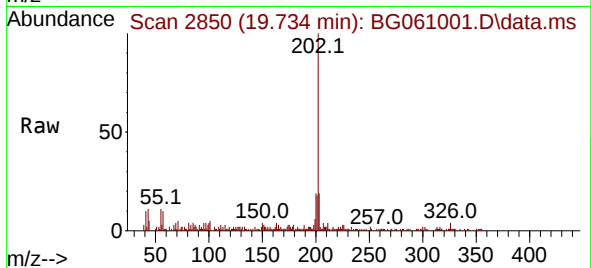
Tgt Ion:202 Resp: 32680

Ion Ratio Lower Upper

202 100

200 19.1 16.8 25.2

203 18.7 14.2 21.2



#79

Terphenyl-d14

Concen: 56.757 ng

RT: 19.939 min Scan# 2885

Delta R.T. -0.001 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

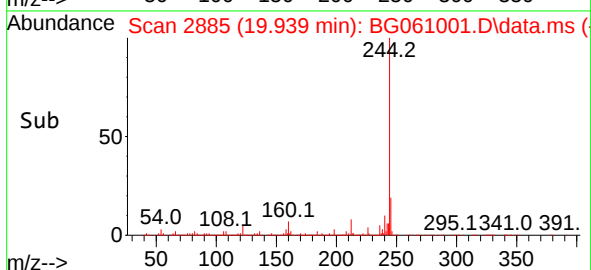
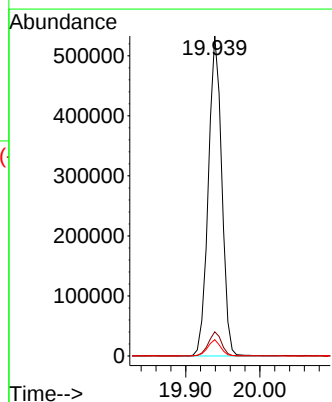
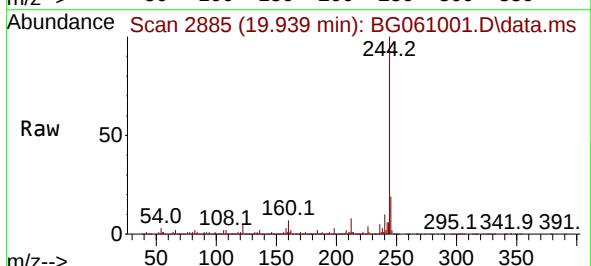
Tgt Ion:244 Resp: 671333

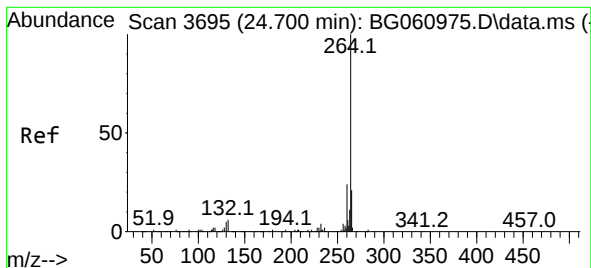
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 5.1 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3

Delta R.T. 0.010 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Instrument :

BNA_G

ClientSampleId :

CL-01-041824

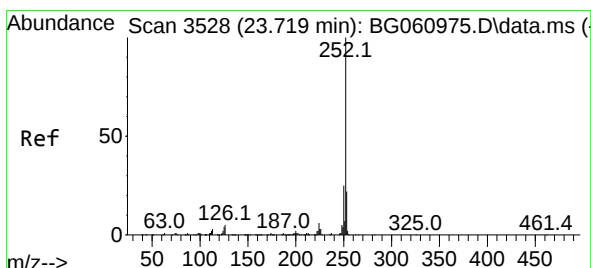
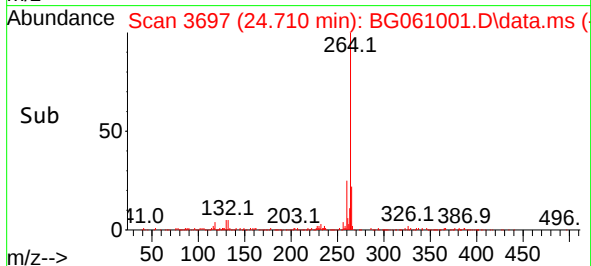
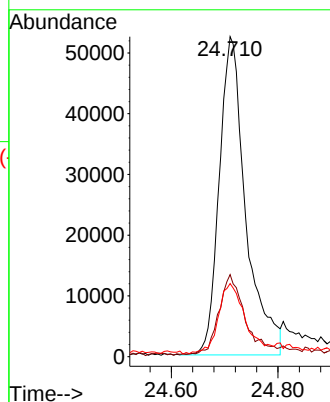
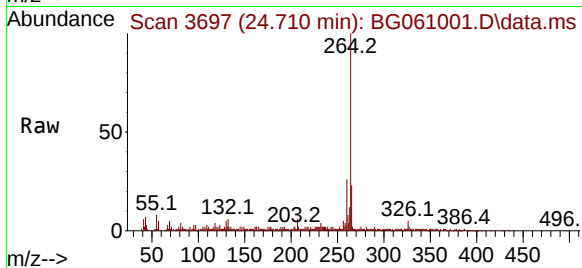
Tgt Ion:264 Resp: 181568

Ion Ratio Lower Upper

264 100

260 25.7 19.4 29.2

265 22.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.386 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.001 min

Lab File: BG061001.D

Acq: 22 Apr 2024 21:34

Tgt Ion:252 Resp: 24550

Ion Ratio Lower Upper

252 100

253 32.8 17.5 26.3#

125 13.5 3.3 4.9#

