

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060994.D
 Acq On : 22 Apr 2024 16:43
 Operator : MA/JU
 Sample : P2147-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-B

Quant Time: Apr 23 02:18:14 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)

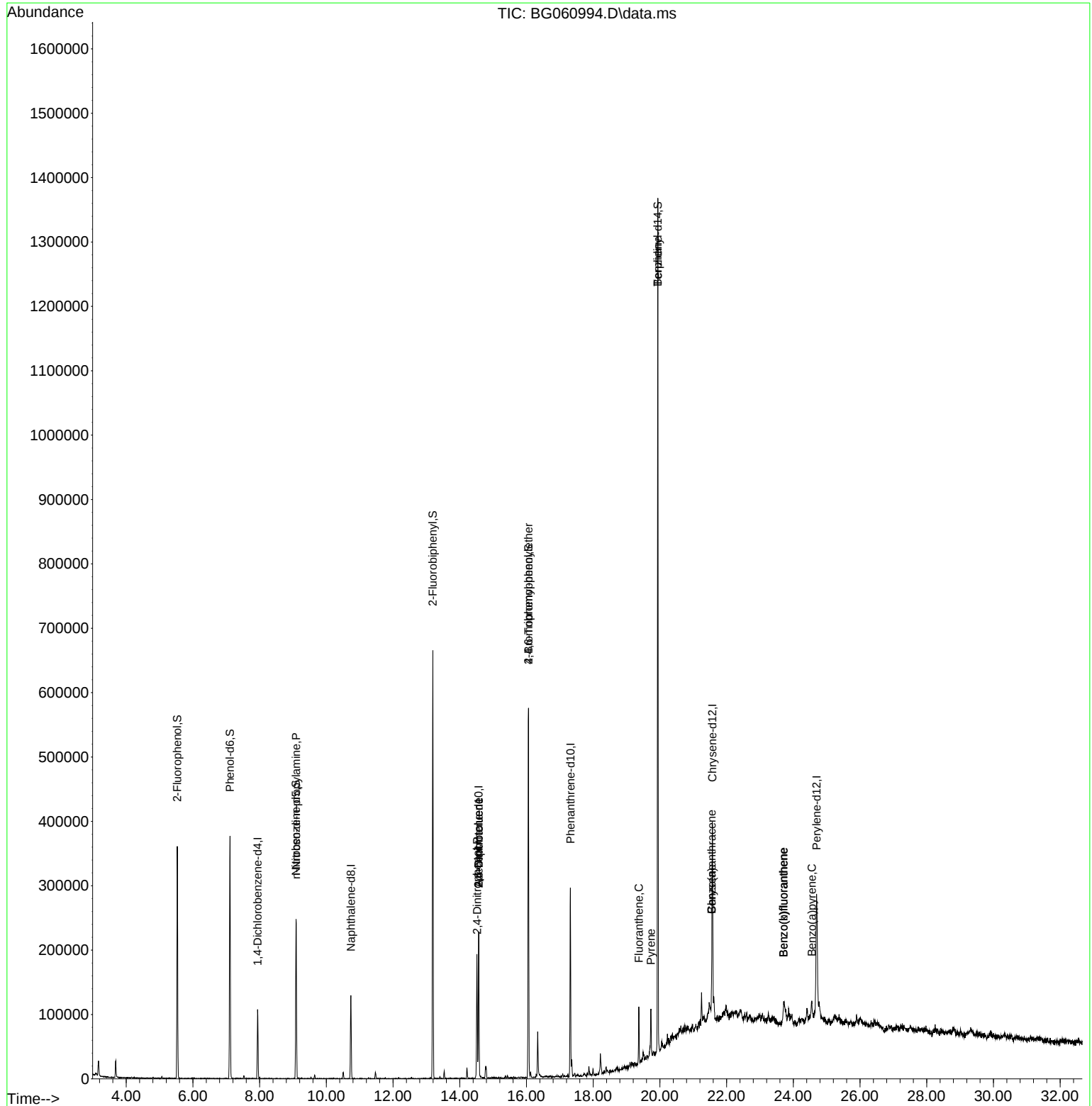
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	27255	20.000	ng	0.00
21) Naphthalene-d8	10.736	136	101168	20.000	ng	0.00
39) Acenaphthene-d10	14.567	164	78247	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	184687	20.000	ng	0.00
76) Chrysene-d12	21.577	240	182809	20.000	ng	0.00
86) Perylene-d12	24.697	264	227083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	128711	95.524	ng	0.00
7) Phenol-d6	7.111	99	167819	83.943	ng	0.00
23) Nitrobenzene-d5	9.091	82	125006	55.516	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	130440	75.915	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	332918	58.886	ng	0.00
79) Terphenyl-d14	19.937	244	674440	57.267	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.097	70	18013	12.090	ng	# 67
51) 2,6-Dinitrotoluene	14.567	165	9939	7.382	ng	# 18
54) 2,4-Dinitrophenol	14.520	184	549	6.147	ng	# 12
57) 2,4-Dinitrotoluene	14.567	165	9939	5.126	ng	# 21
67) 4-Bromophenyl-phenylether	16.060	248	8339	3.421	ng	# 1
75) Fluoranthene	19.368	202	54232	4.335	ng	98
77) Benzidine	19.937	184	11257	3.323	ng	# 85
78) Pyrene	19.732	202	49223	3.954	ng	95
81) Benzo(a)anthracene	21.553	228	30488	2.372	ng	99
83) Chrysene	21.553	228	30488	2.492	ng	94
88) Benzo(b)fluoranthene	23.709	252	36027	2.800	ng	# 98
89) Benzo(k)fluoranthene	23.709	252	36027	2.773	ng	# 96
90) Benzo(a)pyrene	24.556	252	25632	2.058	ng	# 95

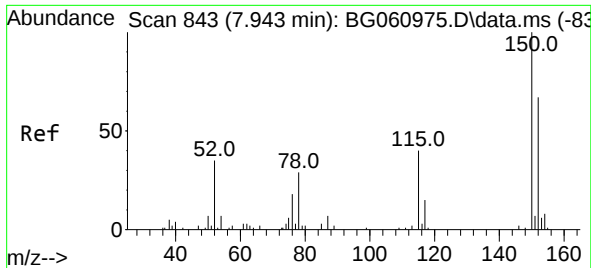
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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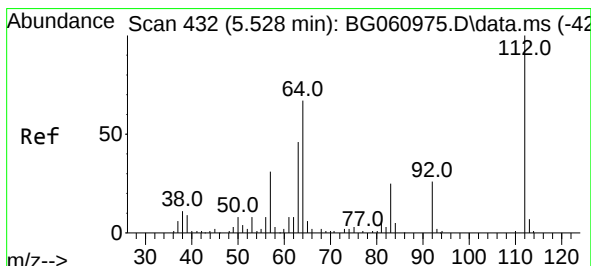
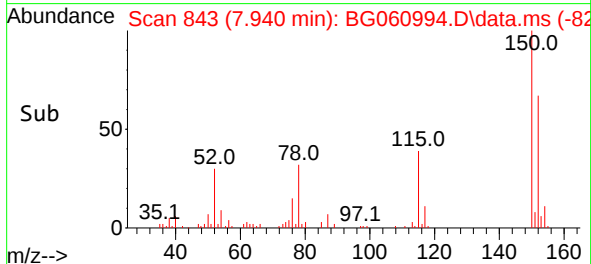
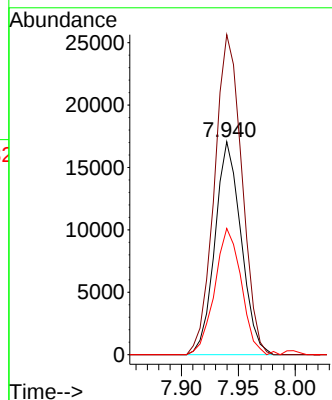
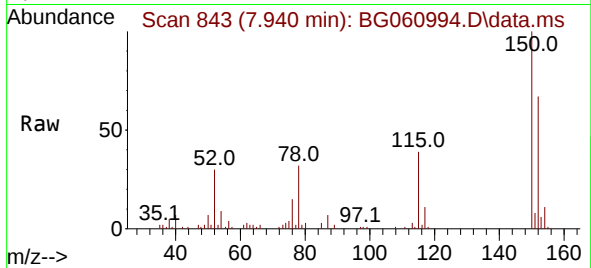




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

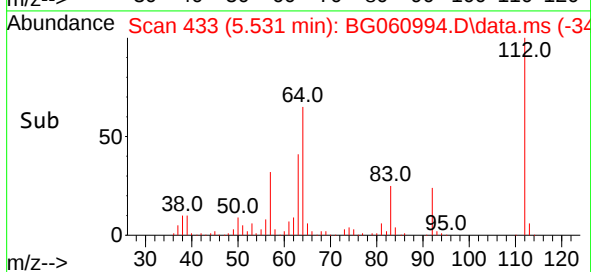
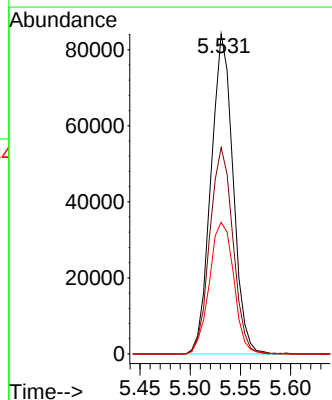
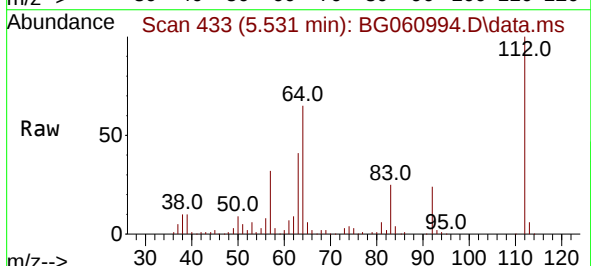
Instrument :
BNA_G
ClientSampleId :
COMP-B

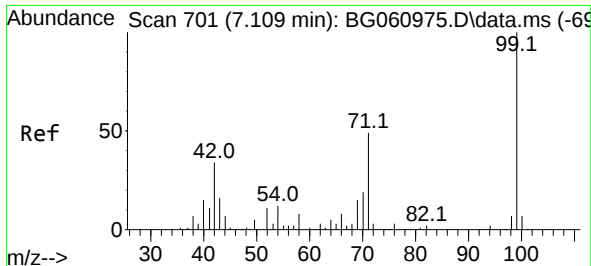
Tgt Ion:152 Resp: 27255
Ion Ratio Lower Upper
152 100
150 150.3 118.6 178.0
115 59.3 47.4 71.0



#5
2-Fluorophenol
Concen: 95.524 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:112 Resp: 128711
Ion Ratio Lower Upper
112 100
64 64.5 53.7 80.5
63 41.1 37.0 55.6

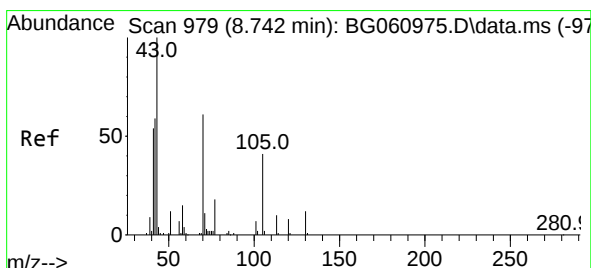
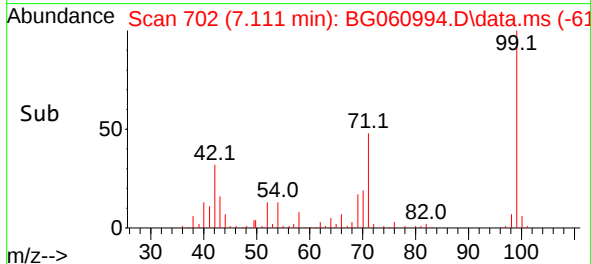
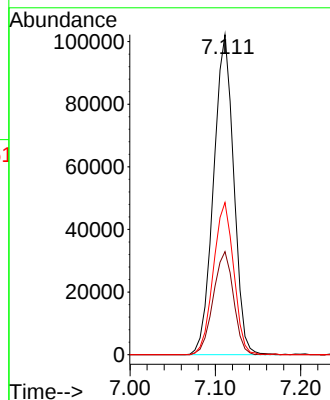
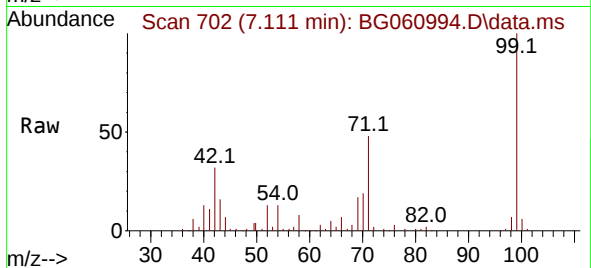




#7
Phenol-d6
Concen: 83.943 ng
RT: 7.111 min Scan# 701
Delta R.T. 0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

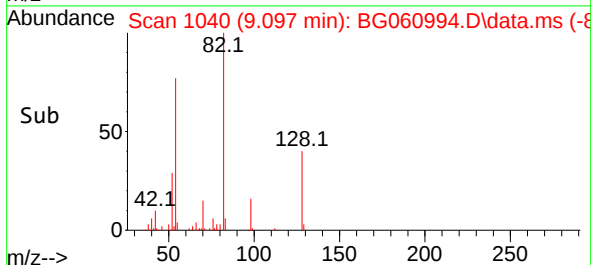
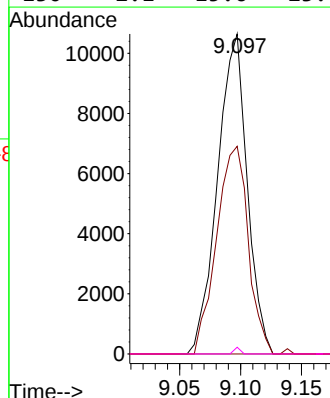
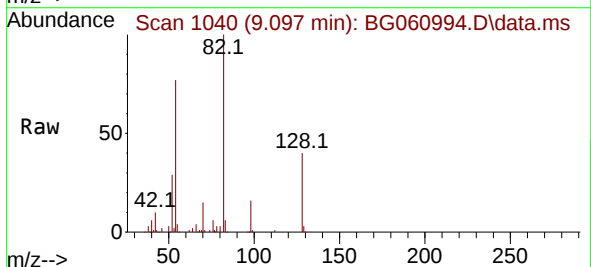
Instrument :
BNA_G
ClientSampleId :
COMP-B

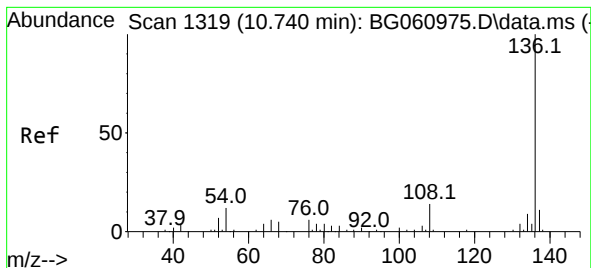
Tgt Ion: 99 Resp: 167819
Ion Ratio Lower Upper
99 100
42 32.2 27.2 40.8
71 47.6 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.090 ng
RT: 9.097 min Scan# 1040
Delta R.T. 0.355 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion: 70 Resp: 18013
Ion Ratio Lower Upper
70 100
42 64.9 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: 10.736 min Scan# 1319

Delta R.T. -0.004 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

Instrument :

BNA_G

ClientSampleId :

COMP-B

Tgt Ion:136 Resp: 101168

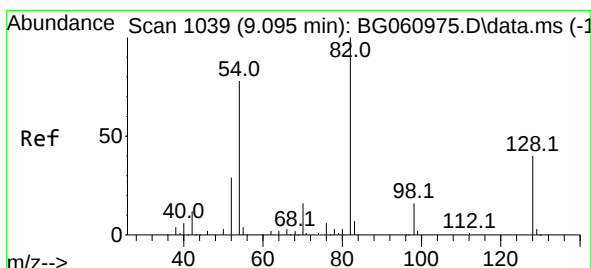
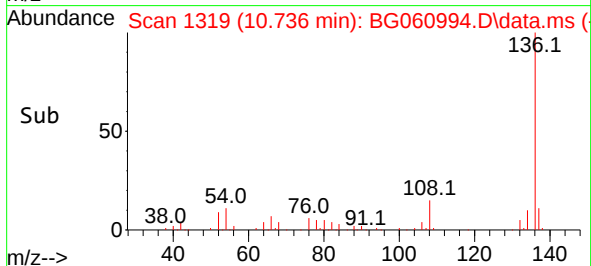
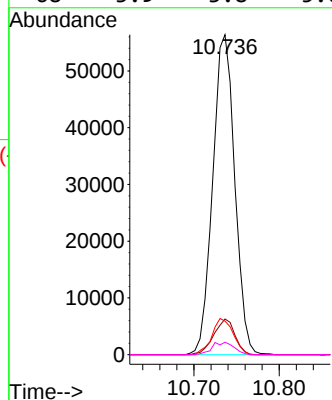
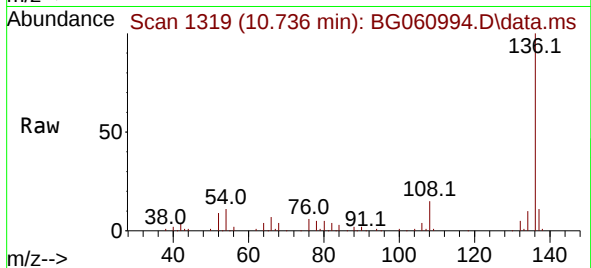
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.5 9.4 14.0

68 3.9 3.8 5.6



#23

Nitrobenzene-d5

Concen: 55.516 ng

RT: 9.091 min Scan# 1039

Delta R.T. -0.003 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

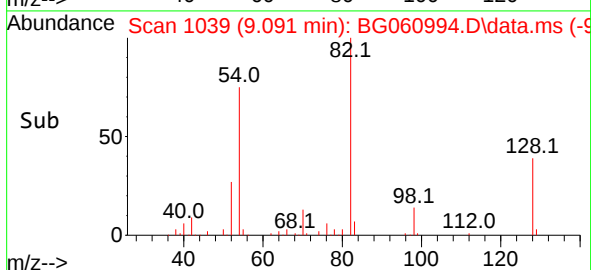
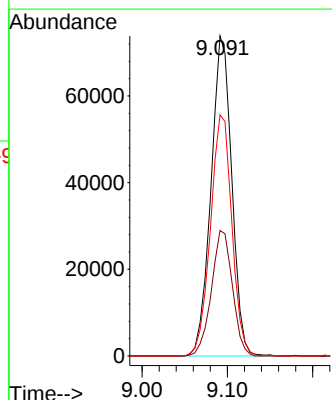
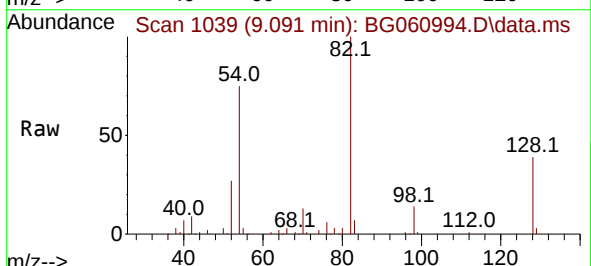
Tgt Ion: 82 Resp: 125006

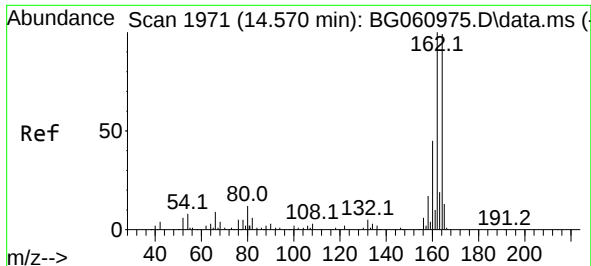
Ion Ratio Lower Upper

82 100

128 39.2 32.1 48.1

54 75.3 62.3 93.5

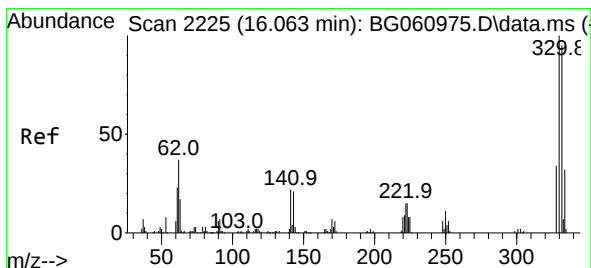
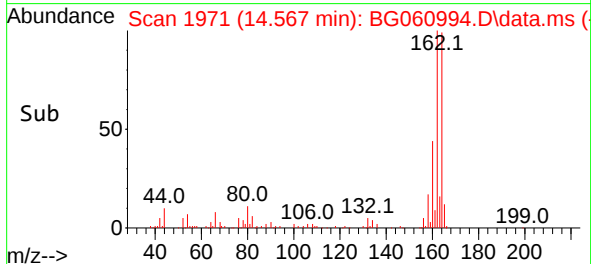
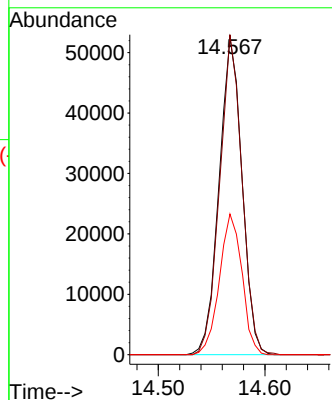
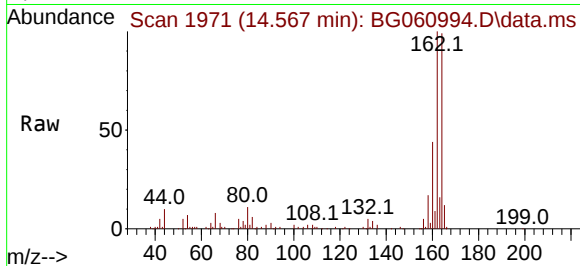




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

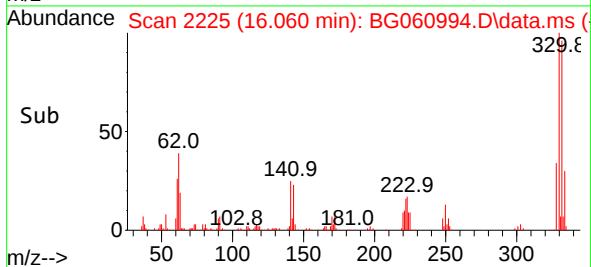
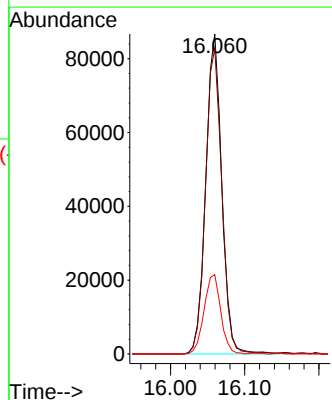
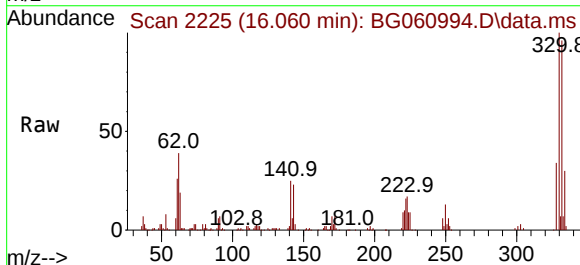
Instrument :
BNA_G
ClientSampleId :
COMP-B

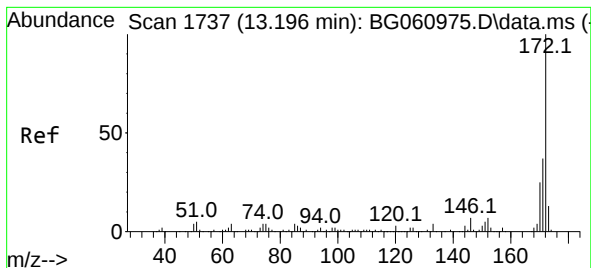
Tgt Ion:164 Resp: 78247
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 44.4 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 75.915 ng
RT: 16.060 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:330 Resp: 130440
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 25.8 20.6 31.0

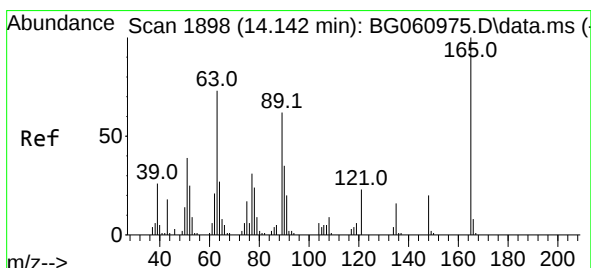
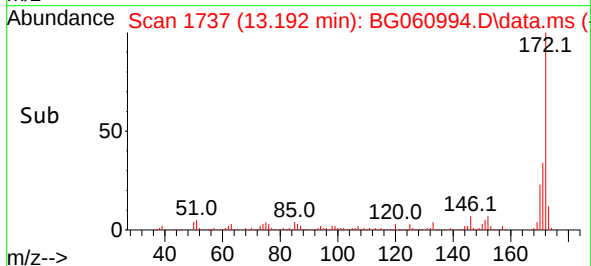
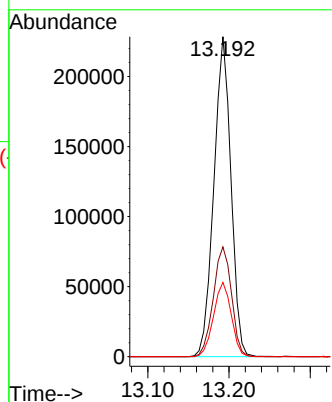
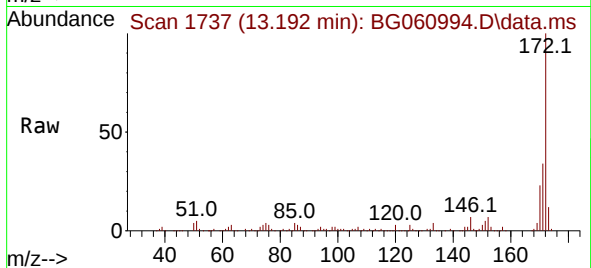




#45
2-Fluorobiphenyl
Concen: 58.886 ng
RT: 13.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

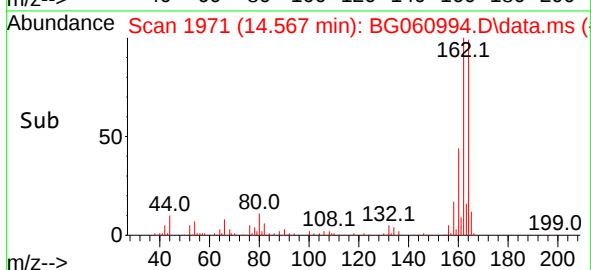
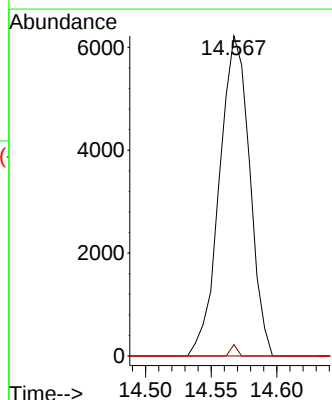
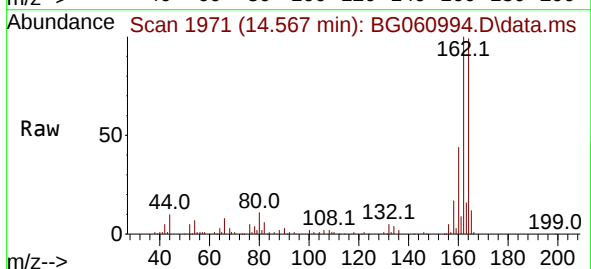
Instrument :
BNA_G
ClientSampleId :
COMP-B

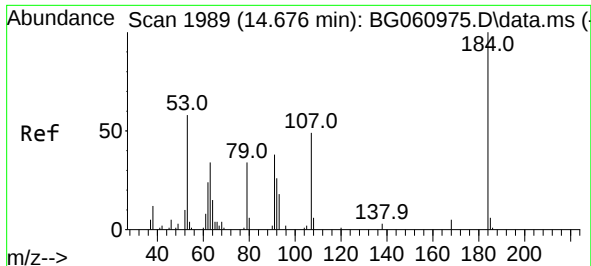
Tgt Ion:172 Resp: 332918
Ion Ratio Lower Upper
172 100
171 34.3 29.3 43.9
170 23.2 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.382 ng
RT: 14.567 min Scan# 1971
Delta R.T. 0.426 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:165 Resp: 9939
Ion Ratio Lower Upper
165 100
63 3.6 59.6 89.4#
89 0.0 49.4 74.0#

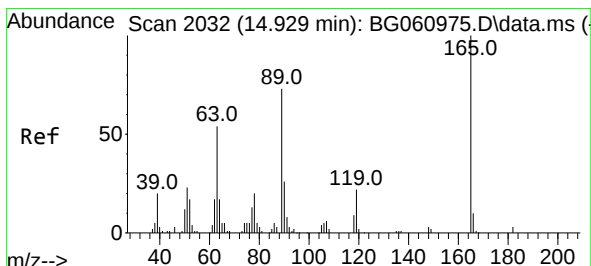
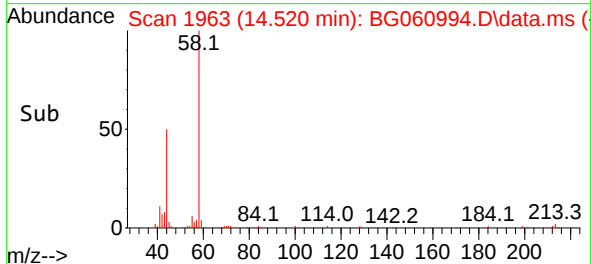
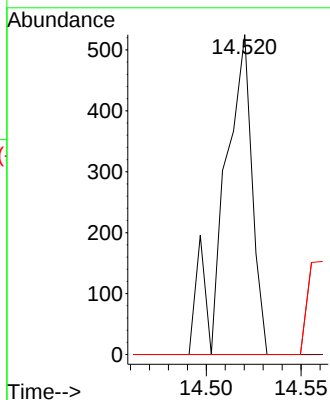
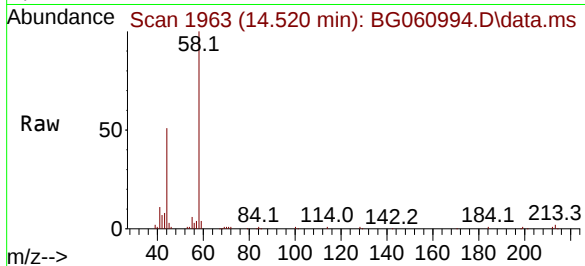




#54
2,4-Dinitrophenol
Concen: 6.147 ng
RT: 14.520 min Scan# 1963
Delta R.T. -0.156 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

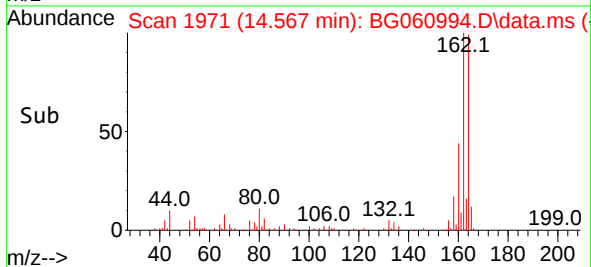
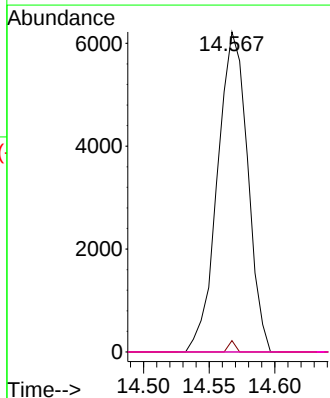
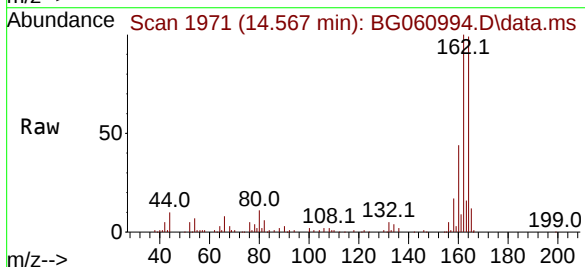
Instrument :
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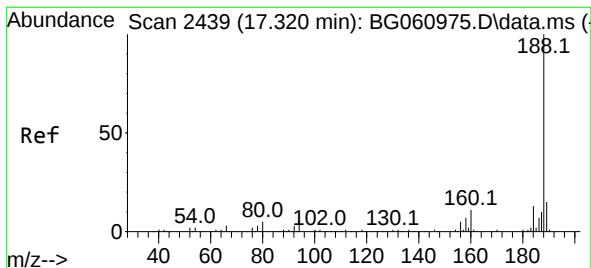
Tgt Ion:184 Resp: 549
Ion Ratio Lower Upper
184 100
63 0.0 59.0 88.6#
154 0.0 61.2 91.8#



#57
2,4-Dinitrotoluene
Concen: 5.126 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.362 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:165 Resp: 9939
Ion Ratio Lower Upper
165 100
63 3.6 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: 17.317 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

Instrument :

BNA_G

ClientSampleId :

COMP-B

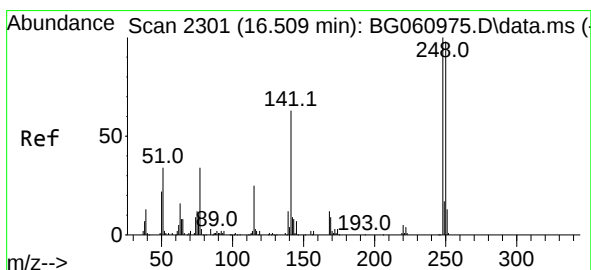
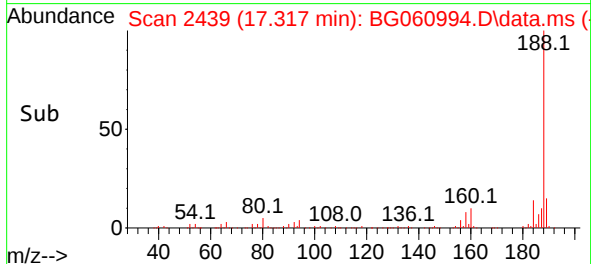
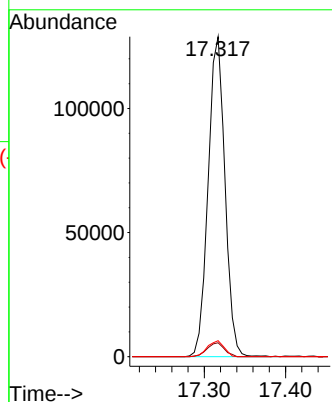
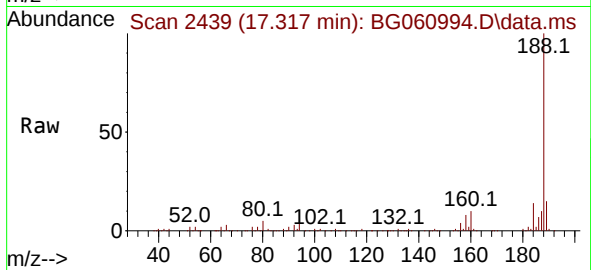
Tgt Ion:188 Resp: 184687

Ion Ratio Lower Upper

188 100

94 4.3 4.1 6.1

80 5.0 4.0 6.0



#67

4-Bromophenyl-phenylether

Concen: 3.421 ng

RT: 16.060 min Scan# 2225

Delta R.T. -0.450 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

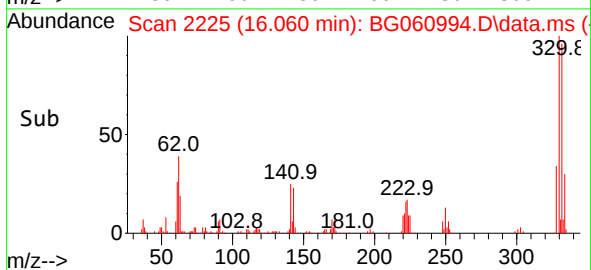
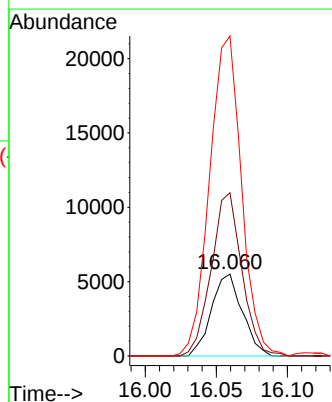
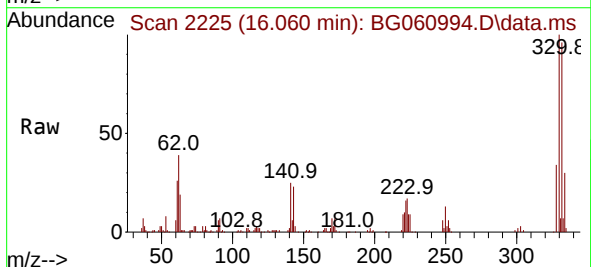
Tgt Ion:248 Resp: 8339

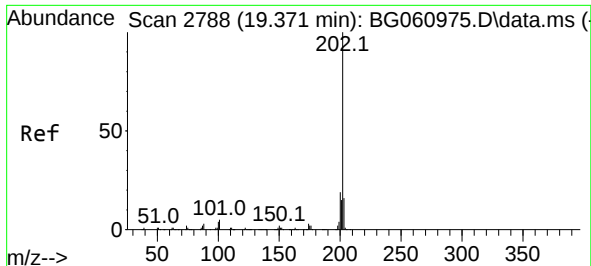
Ion Ratio Lower Upper

248 100

250 199.0 78.7 118.1#

141 390.4 50.4 75.6#

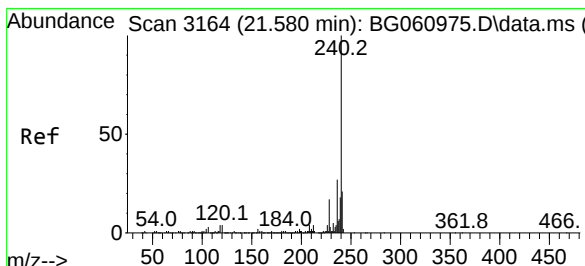
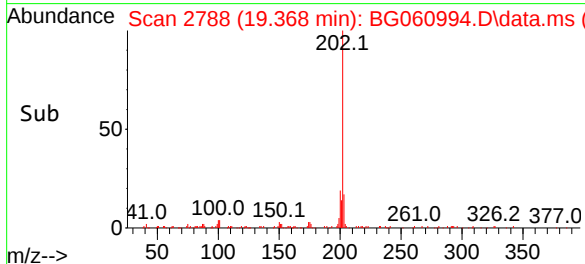
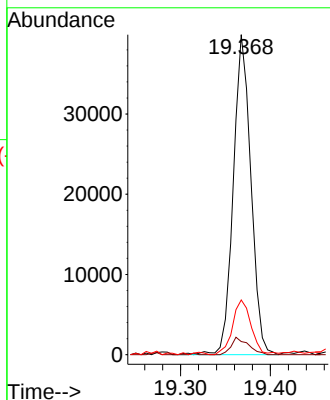
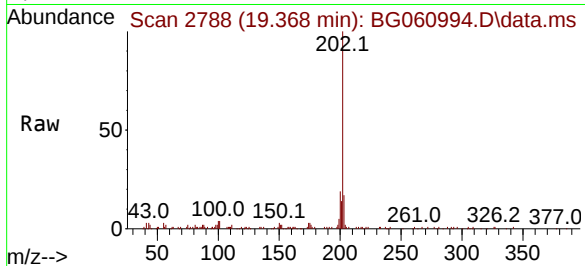




#75
Fluoranthene
Concen: 4.335 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

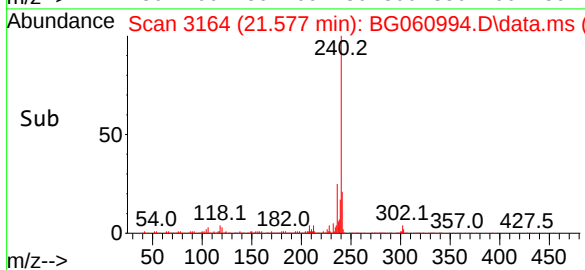
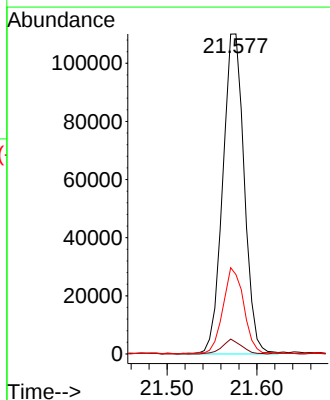
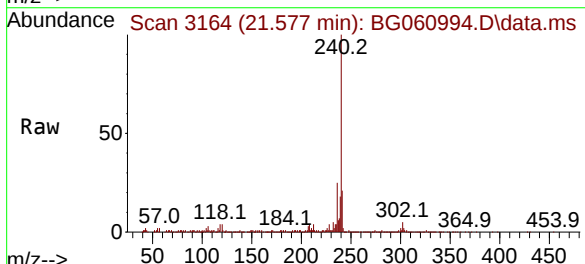
Instrument :
BNA_G
ClientSampleId :
COMP-B

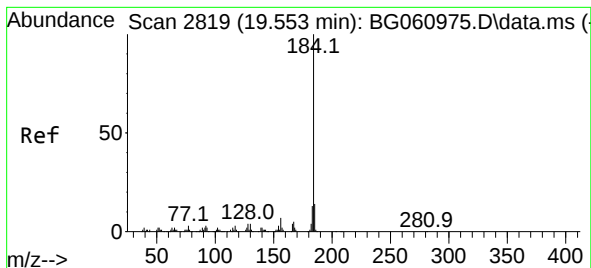
Tgt Ion:202 Resp: 54232
Ion Ratio Lower Upper
202 100
101 4.1 0.0 24.9
203 17.1 0.0 36.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3164
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:240 Resp: 182809
Ion Ratio Lower Upper
240 100
120 3.6 3.0 4.6
236 24.8 21.8 32.6





#77

Benzidine

Concen: 3.323 ng

RT: 19.937 min Scan# 2885

Delta R.T. 0.384 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

Instrument :

BNA_G

ClientSampleId :

COMP-B

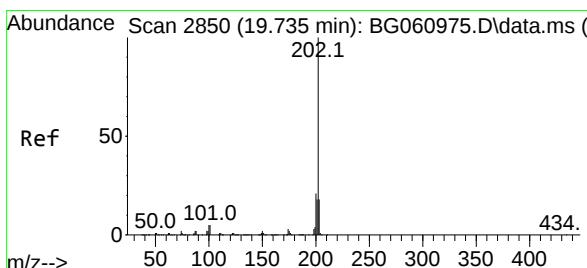
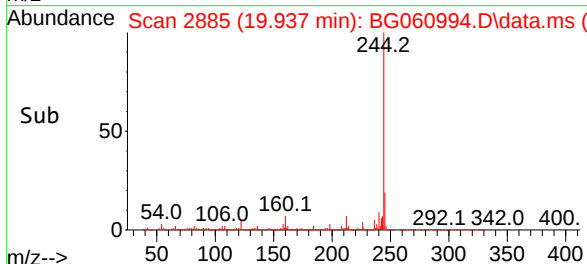
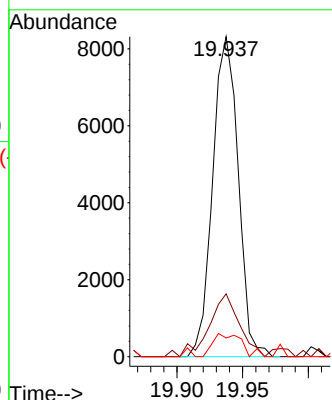
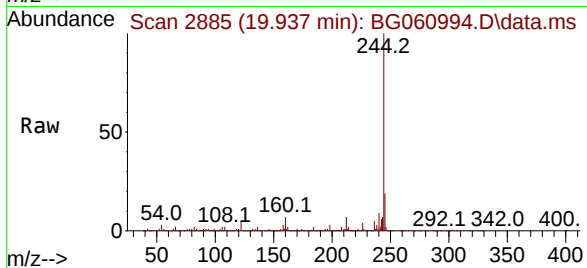
Tgt Ion:184 Resp: 11257

Ion Ratio Lower Upper

184 100

185 19.7 11.3 16.9#

183 5.8 10.2 15.2#



#78

Pyrene

Concen: 3.954 ng

RT: 19.732 min Scan# 2850

Delta R.T. -0.003 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

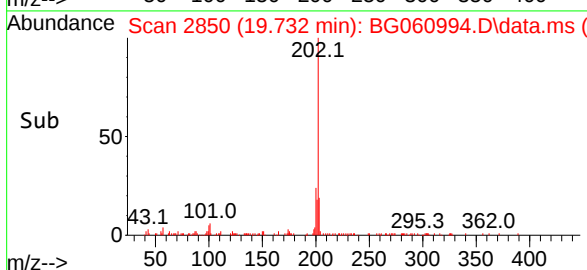
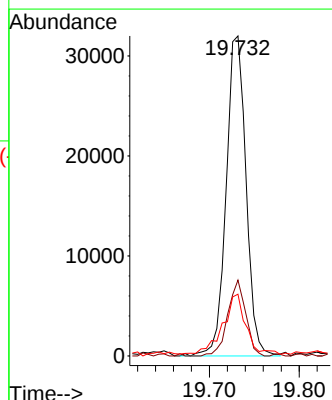
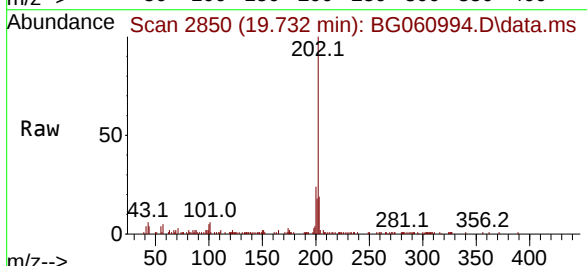
Tgt Ion:202 Resp: 49223

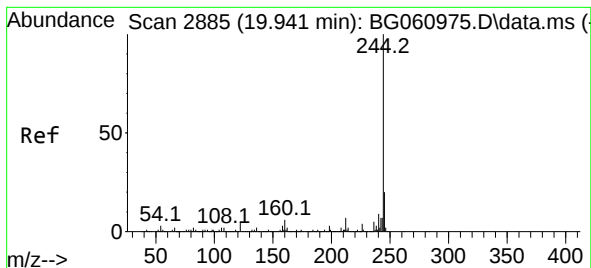
Ion Ratio Lower Upper

202 100

200 23.7 16.8 25.2

203 19.3 14.2 21.2





#79

Terphenyl-d14

Concen: 57.267 ng

RT: 19.937 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

Instrument :

BNA_G

ClientSampleId :

COMP-B

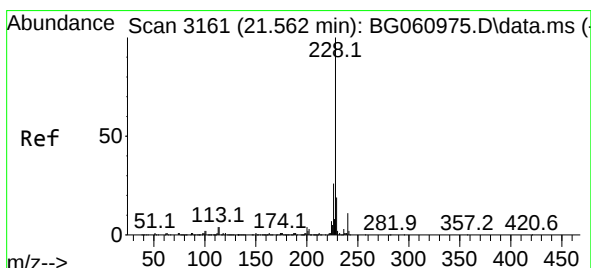
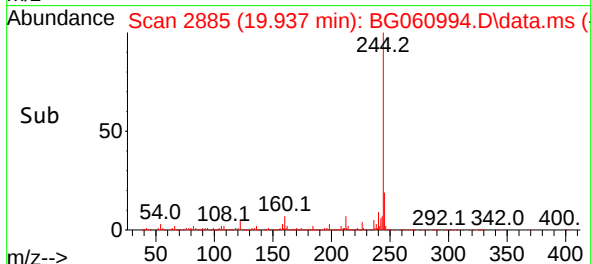
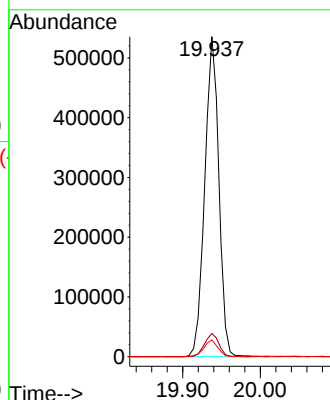
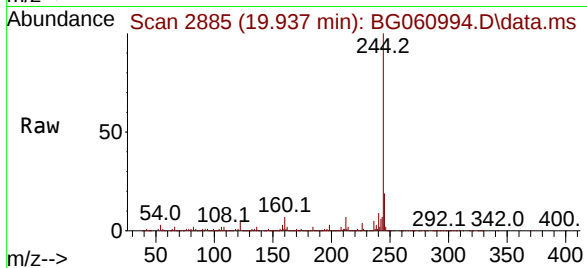
Tgt Ion:244 Resp: 674440

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 5.3 4.2 6.2



#81

Benzo(a)anthracene

Concen: 2.372 ng

RT: 21.553 min Scan# 3160

Delta R.T. -0.009 min

Lab File: BG060994.D

Acq: 22 Apr 2024 16:43

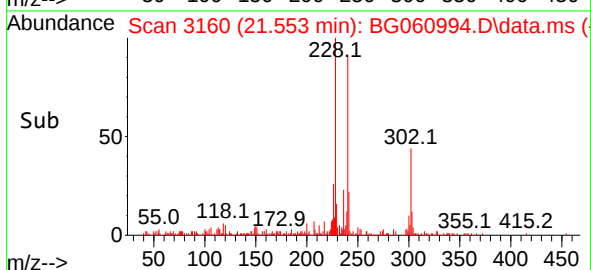
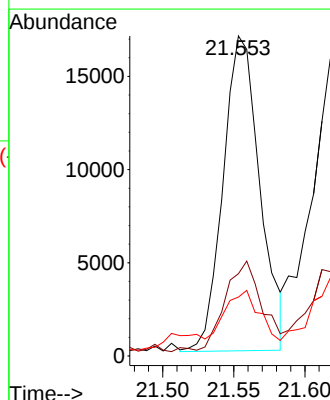
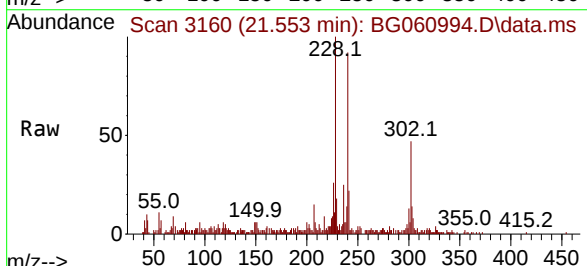
Tgt Ion:228 Resp: 30488

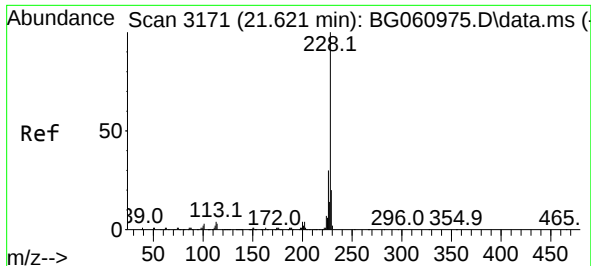
Ion Ratio Lower Upper

228 100

226 25.7 21.0 31.4

229 18.4 15.0 22.4

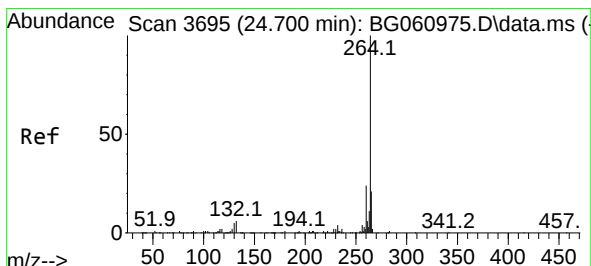
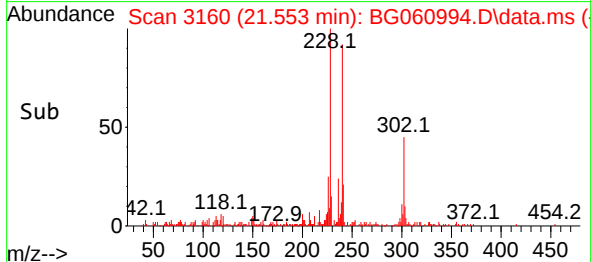
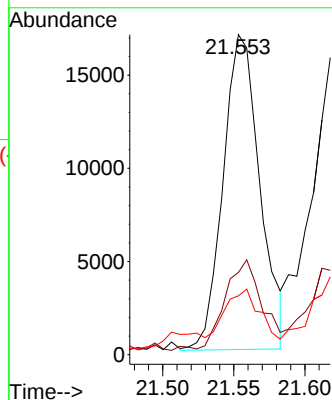
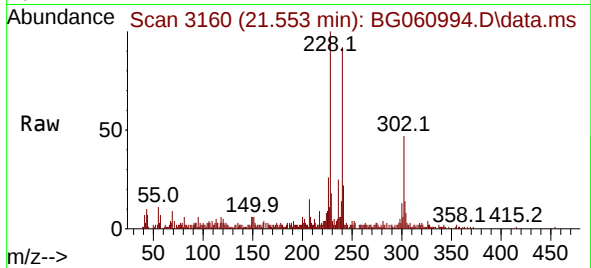




#83
Chrysene
Concen: 2.492 ng
RT: 21.553 min Scan# 3171
Delta R.T. -0.068 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

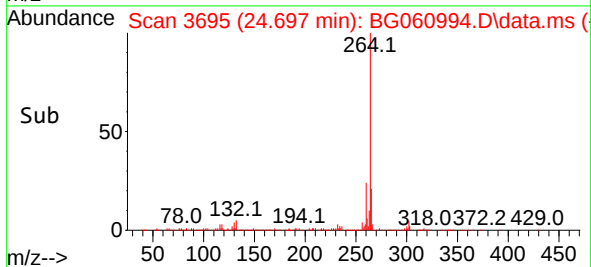
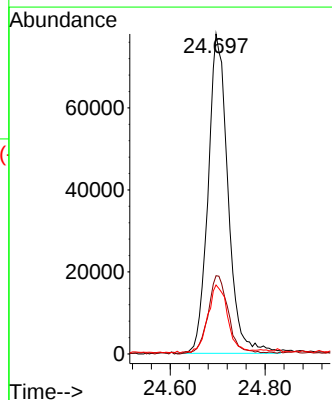
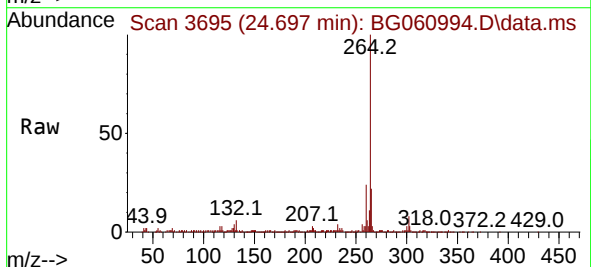
Instrument :
BNA_G
ClientSampleId :
COMP-B

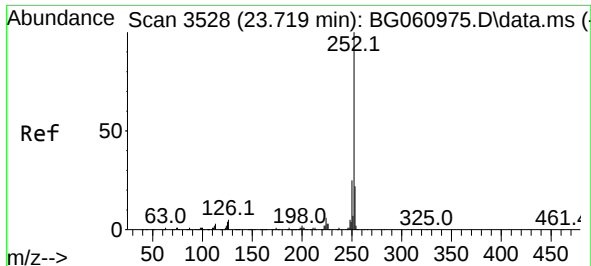
Tgt Ion:228 Resp: 30488
Ion Ratio Lower Upper
228 100
226 25.7 24.2 36.2
229 18.4 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.697 min Scan# 3695
Delta R.T. -0.003 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:264 Resp: 227083
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 21.6 17.0 25.4

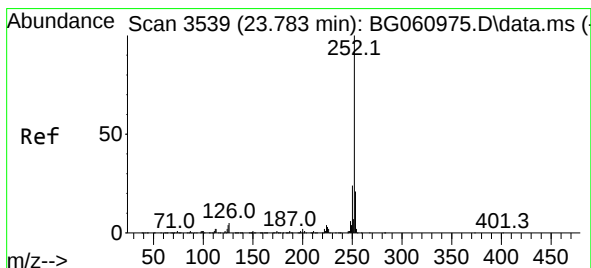
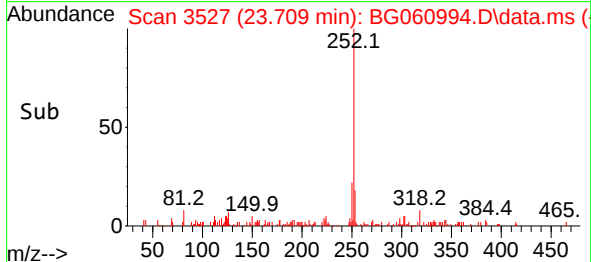
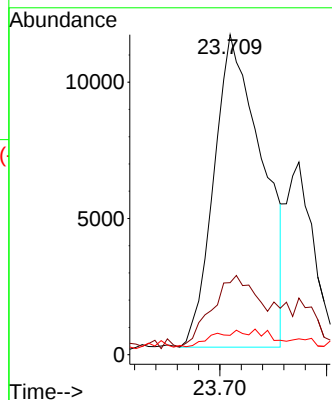
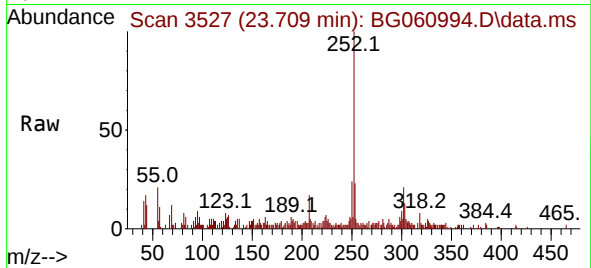




#88
Benzo(b)fluoranthene
Concen: 2.800 ng
RT: 23.709 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

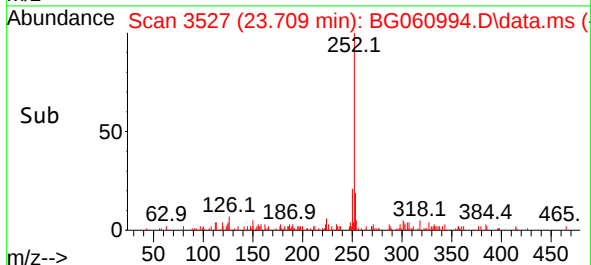
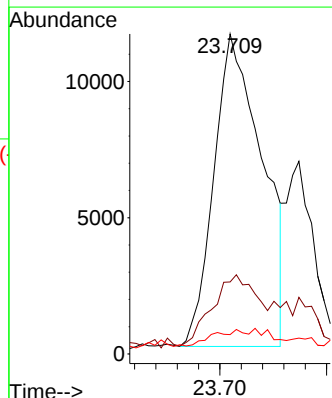
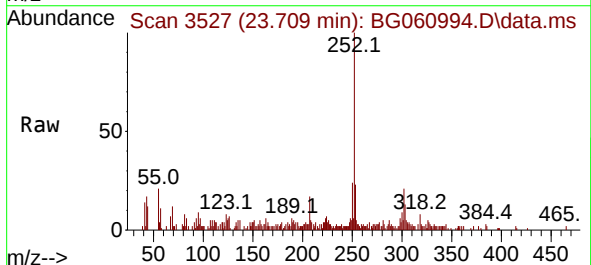
Instrument :
BNA_G
ClientSampleId :
COMP-B

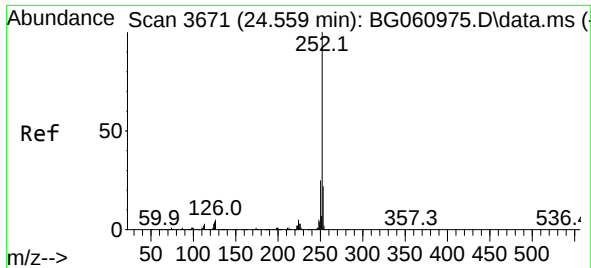
Tgt Ion:252 Resp: 36027
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 6.1 3.3 4.9#



#89
Benzo(k)fluoranthene
Concen: 2.773 ng
RT: 23.709 min Scan# 3527
Delta R.T. -0.074 min
Lab File: BG060994.D
Acq: 22 Apr 2024 16:43

Tgt Ion:252 Resp: 36027
Ion Ratio Lower Upper
252 100
253 22.5 16.6 25.0
125 6.1 3.3 4.9#





#90
 Benzo(a)pyrene
 Concen: 2.058 ng
 RT: 24.556 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG060994.D
 Acq: 22 Apr 2024 16:43

Instrument :
 BNA_G
 ClientSampleId :
 COMP-B

Tgt Ion:252 Resp: 25632
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.7 26.5
 125 6.2 3.6 5.4#

