

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060991.D
 Acq On : 22 Apr 2024 14:39
 Operator : MA/JU
 Sample : P2127-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

Quant Time: Apr 23 02:16:44 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)

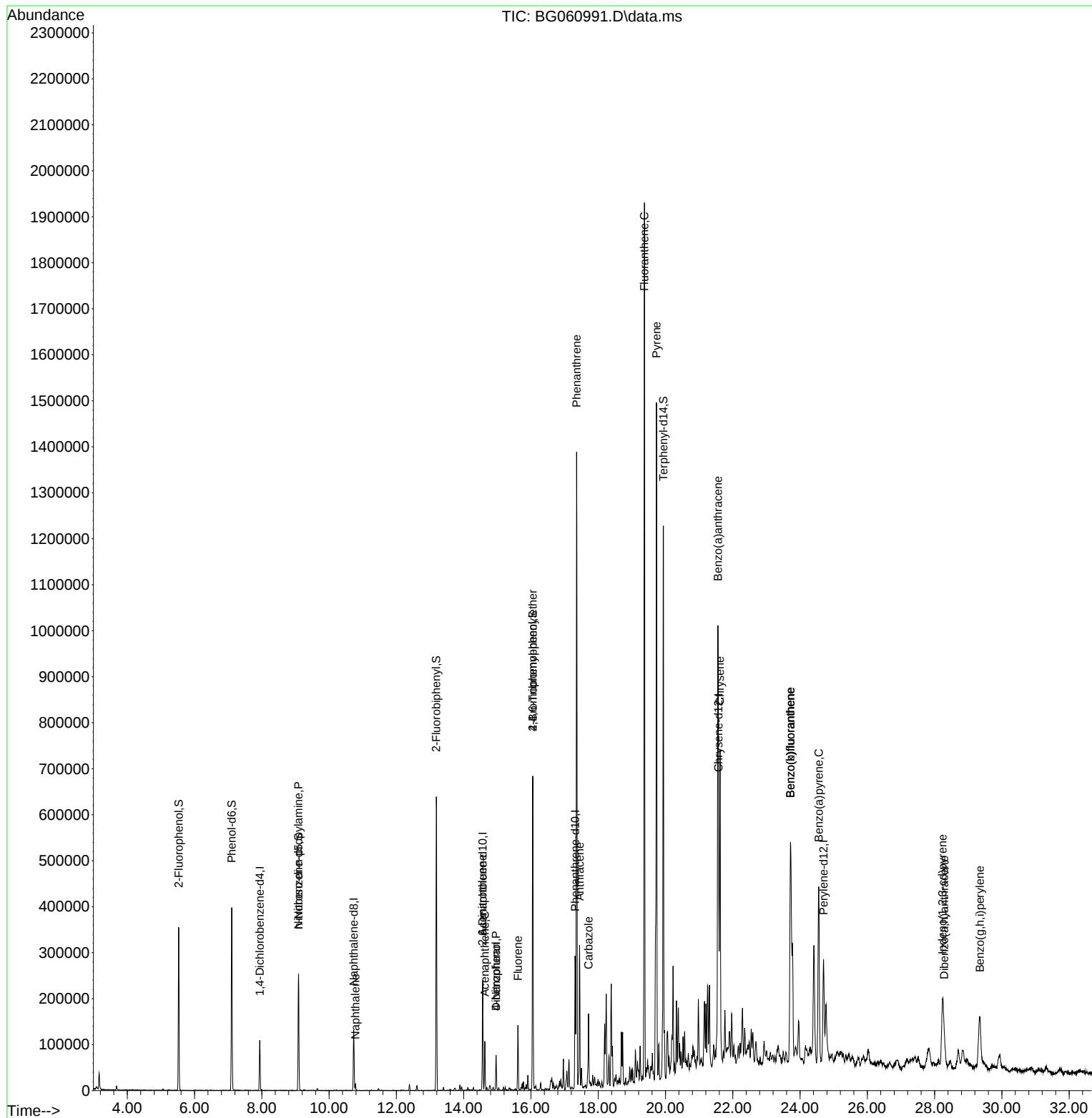
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	28821	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	103058	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	85816	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	195836	20.000	ng	0.00
76) Chrysene-d12	21.578	240	199526	20.000	ng	0.00
86) Perylene-d12	24.698	264	238367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	128511	90.193	ng	0.00
7) Phenol-d6	7.106	99	179733	85.017	ng	0.00
23) Nitrobenzene-d5	9.092	82	127374	55.530	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	141505	75.091	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	331678	53.492	ng	0.00
79) Terphenyl-d14	19.938	244	635211	49.417	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.092	70	19389	12.306	ng	# 67
31) Naphthalene	10.784	128	11690	2.072	ng	# 95
51) 2,6-Dinitrotoluene	14.562	165	12325	8.347	ng	# 17
52) Acenaphthene	14.627	154	38319	8.449	ng	96
55) Dibenzofuran	14.962	168	42650	5.446	ng	# 94
56) 4-Nitrophenol	14.962	139	18708	17.935	ng	# 1
58) Fluorene	15.614	166	61167	9.253	ng	97
67) 4-Bromophenyl-phenylether	16.055	248	9059	3.505	ng	# 1
71) Phenanthrene	17.359	178	884736	88.508	ng	100
72) Anthracene	17.447	178	197281	19.163	ng	99
73) Carbazole	17.712	167	103517	12.107	ng	98
75) Fluoranthene	19.374	202	1273003	95.959	ng	97
78) Pyrene	19.733	202	1003969	73.899	ng	99
81) Benzo(a)anthracene	21.560	228	597133	42.568	ng	97
83) Chrysene	21.619	228	530027	39.686	ng	98
87) Indeno(1,2,3-cd)pyrene	28.235	276	312239	18.883	ng	# 95
88) Benzo(b)fluoranthene	23.716	252	658463	48.746	ng	99
89) Benzo(k)fluoranthene	23.716	252	658463	48.288	ng	97
90) Benzo(a)pyrene	24.557	252	452540	34.611	ng	99
91) Dibenzo(a,h)anthracene	28.282	278	78390	5.802	ng	# 91
92) Benzo(g,h,i)perylene	29.351	276	288494	21.537	ng	99

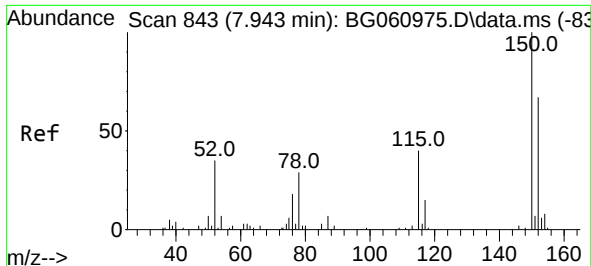
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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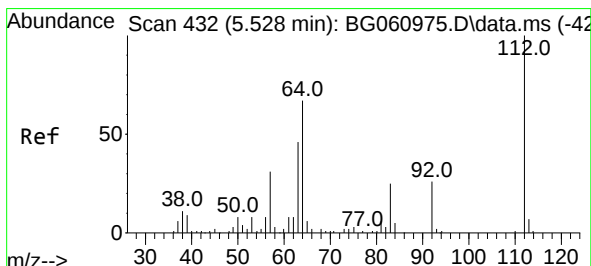
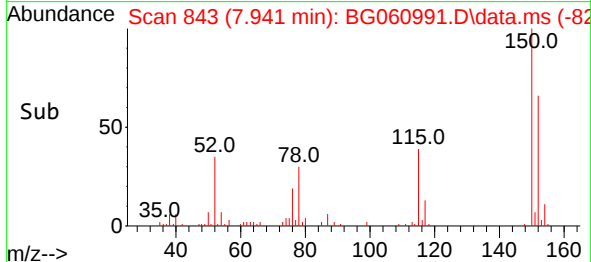
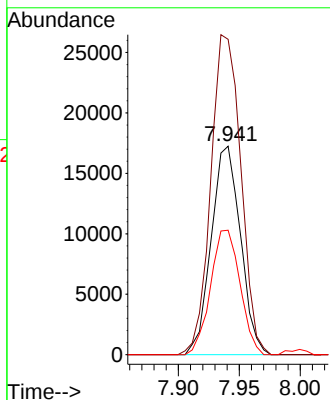
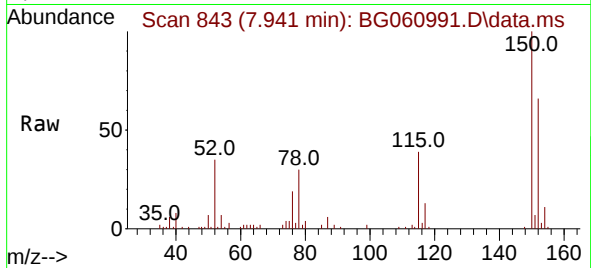




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

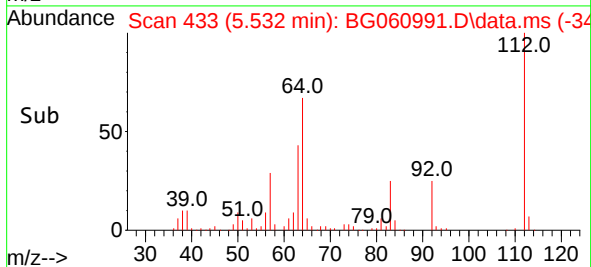
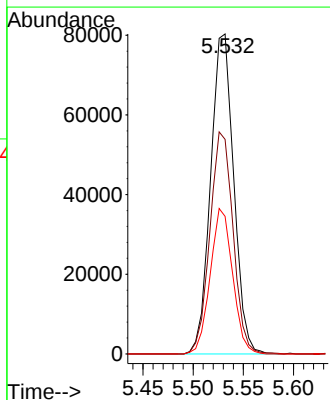
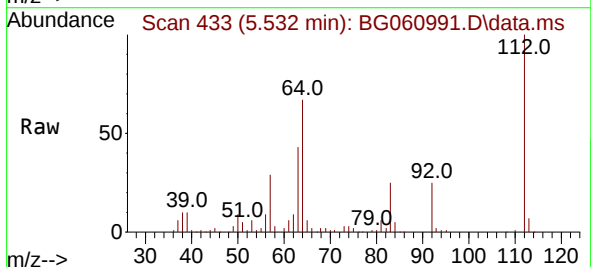
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

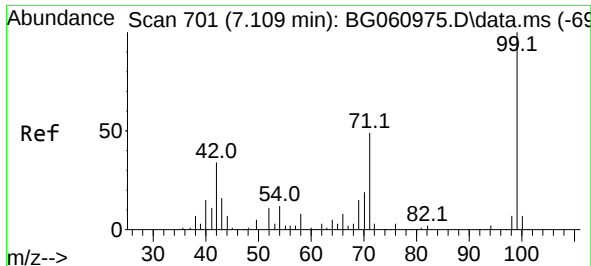
Tgt Ion:152 Resp: 28821
Ion Ratio Lower Upper
152 100
150 151.3 118.6 178.0
115 59.7 47.4 71.0



#5
2-Fluorophenol
Concen: 90.193 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:112 Resp: 128511
Ion Ratio Lower Upper
112 100
64 67.1 53.7 80.5
63 43.0 37.0 55.6

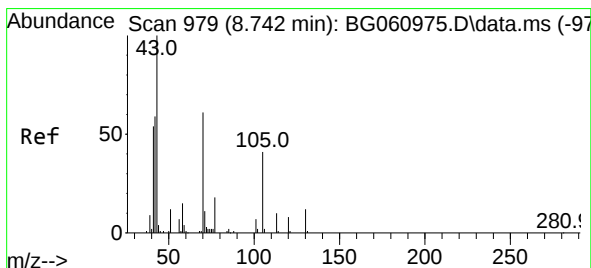
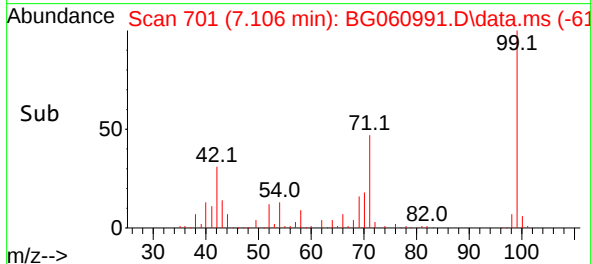
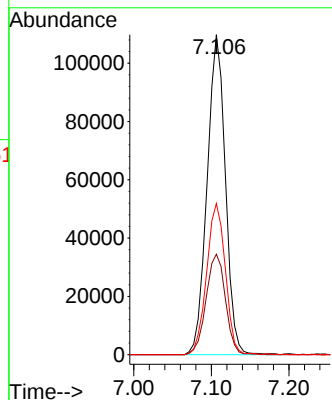
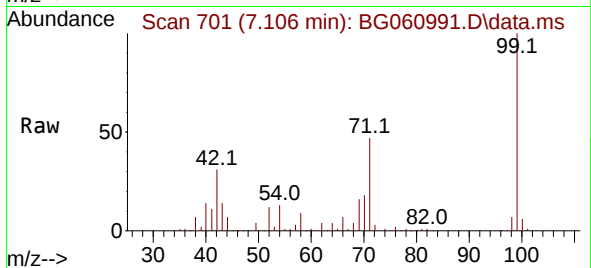




#7
Phenol-d6
Concen: 85.017 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

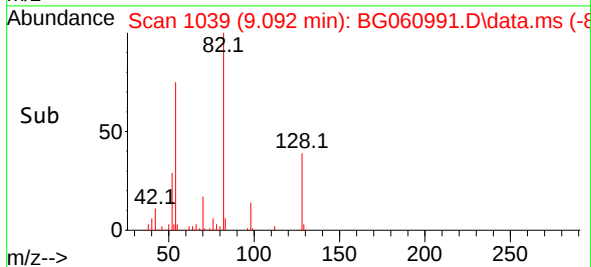
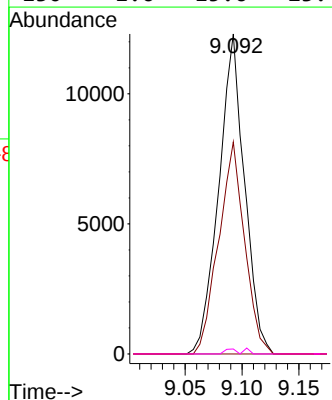
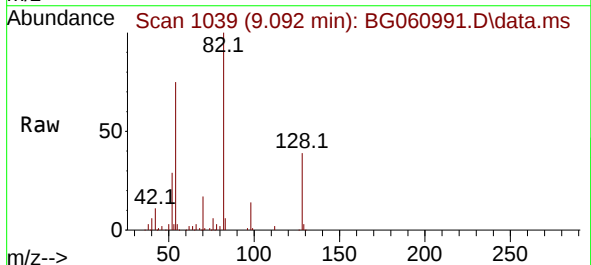
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

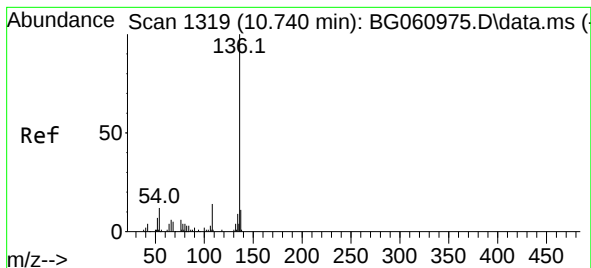
Tgt Ion: 99 Resp: 179733
Ion Ratio Lower Upper
99 100
42 31.4 27.2 40.8
71 47.2 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.306 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.350 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion: 70 Resp: 19389
Ion Ratio Lower Upper
70 100
42 66.3 78.0 117.0#
101 0.0 8.6 13.0#
130 1.6 15.6 23.4#

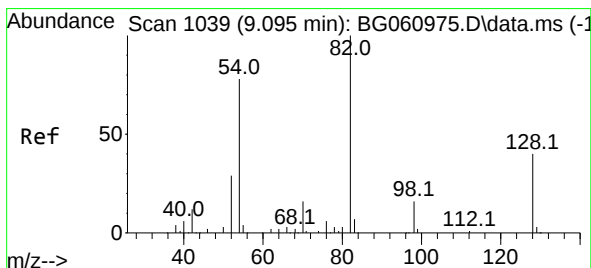
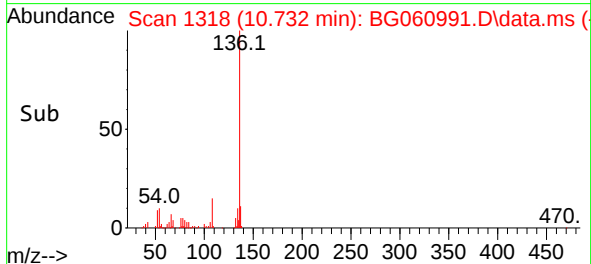
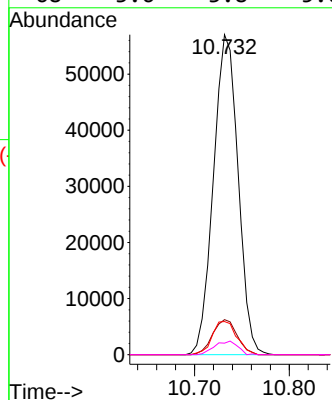
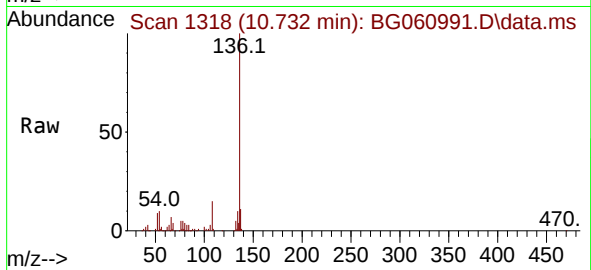




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

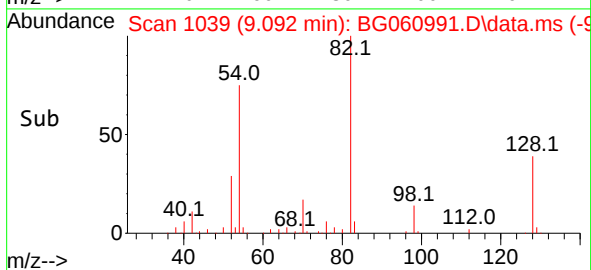
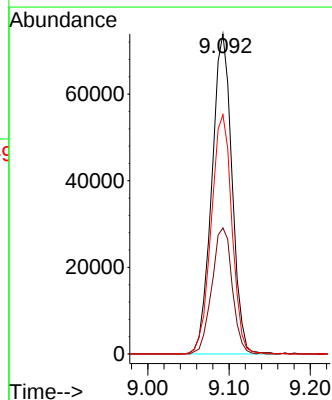
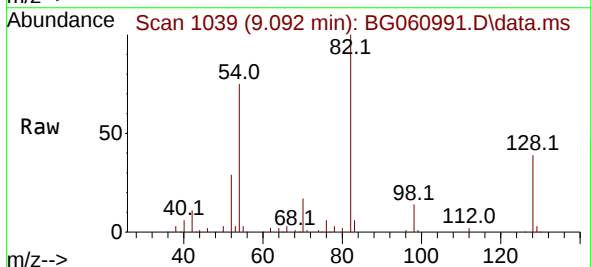
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

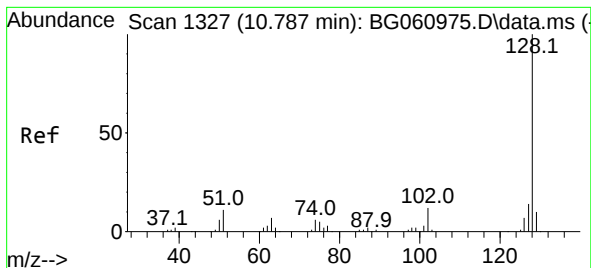
Tgt Ion:136 Resp: 103058
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.3 9.4 14.0
68 3.6 3.8 5.6#



#23
Nitrobenzene-d5
Concen: 55.530 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion: 82 Resp: 127374
Ion Ratio Lower Upper
82 100
128 39.4 32.1 48.1
54 74.8 62.3 93.5

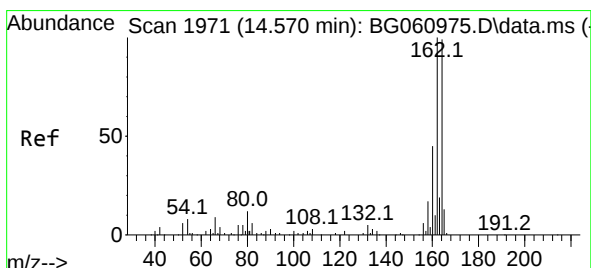
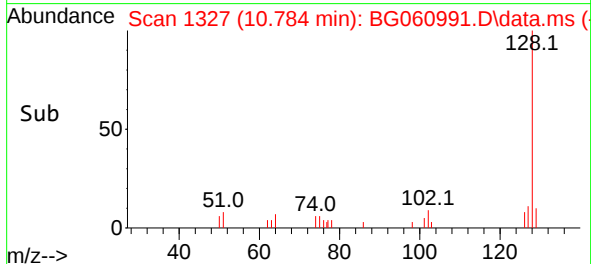
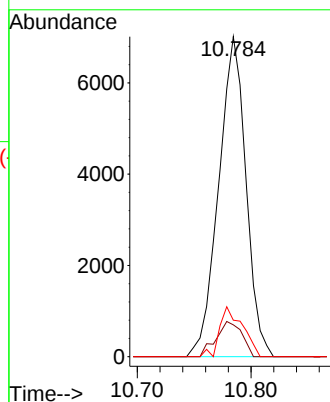
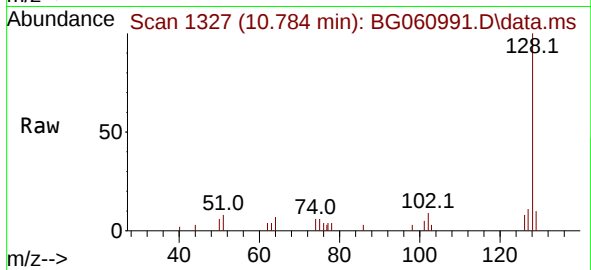




#31
Naphthalene
Concen: 2.072 ng
RT: 10.784 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

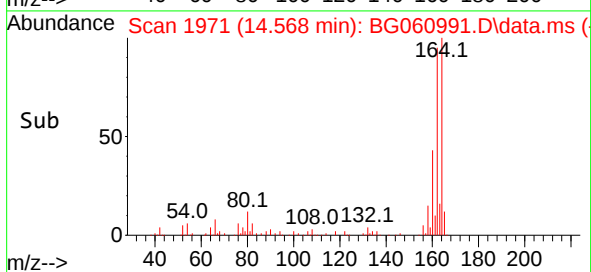
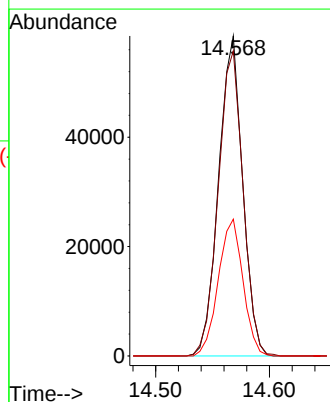
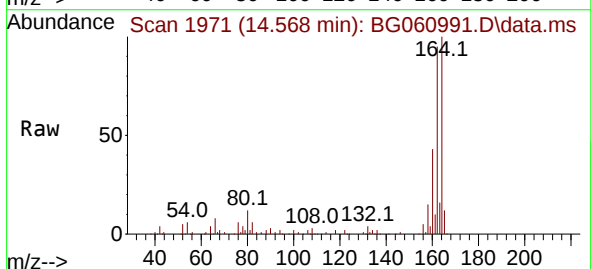
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

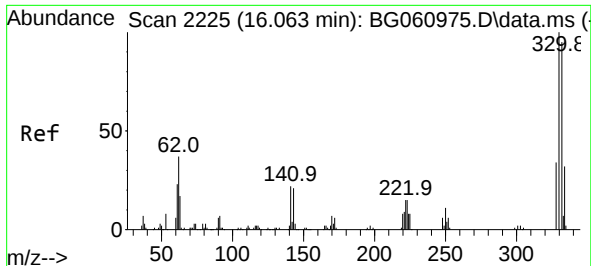
Tgt Ion:128 Resp: 11690
Ion Ratio Lower Upper
128 100
129 10.0 8.2 12.4
127 11.4 11.4 17.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:164 Resp: 85816
Ion Ratio Lower Upper
164 100
162 95.4 81.2 121.8
160 42.7 36.2 54.2

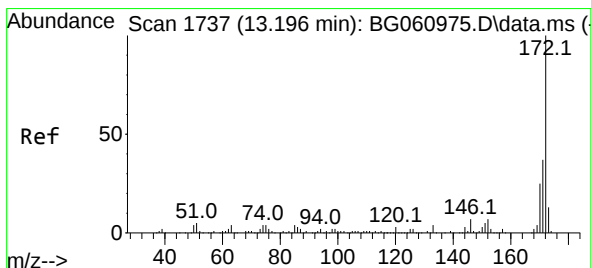
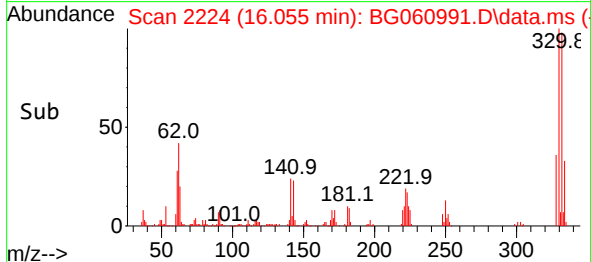
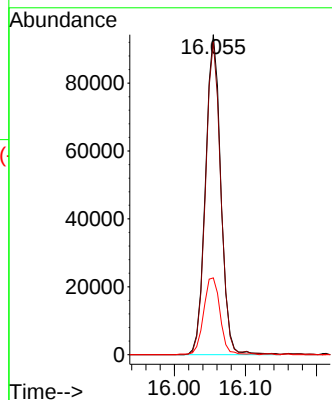
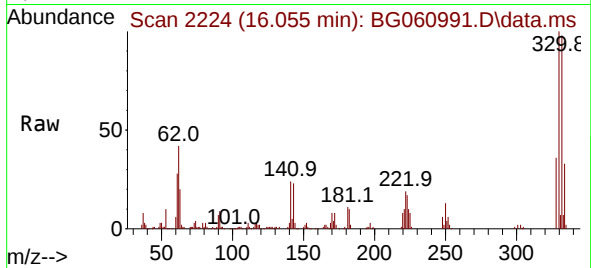




#42
2,4,6-Tribromophenol
Concen: 75.091 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

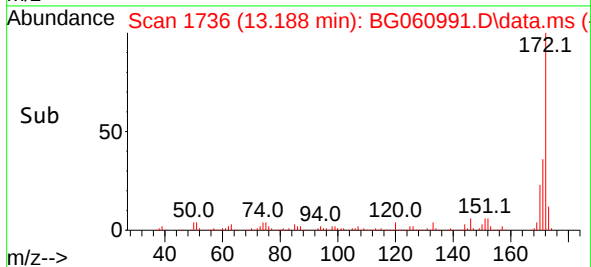
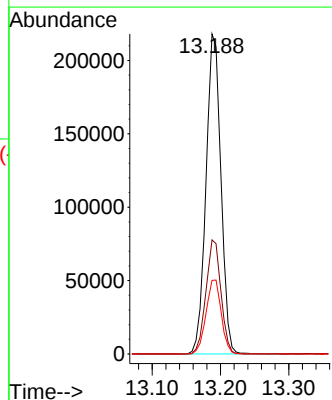
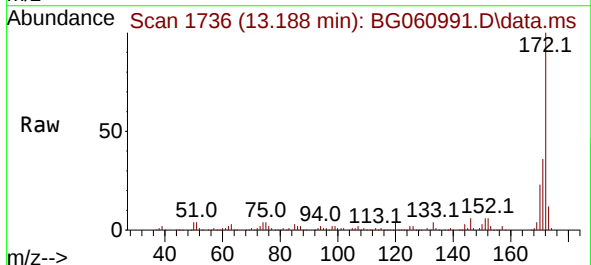
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

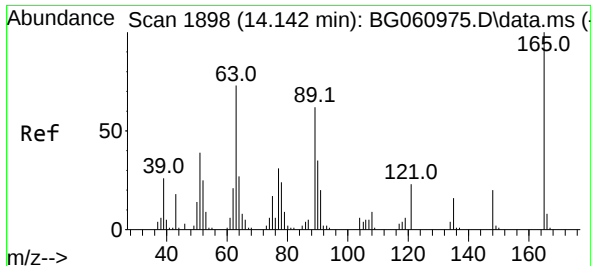
Tgt Ion:330 Resp: 141505
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 25.8 20.6 31.0



#45
2-Fluorobiphenyl
Concen: 53.492 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:172 Resp: 331678
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.0 20.1 30.1

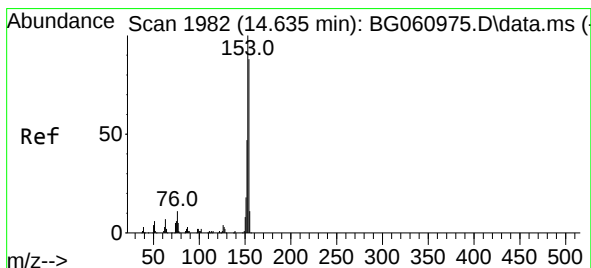
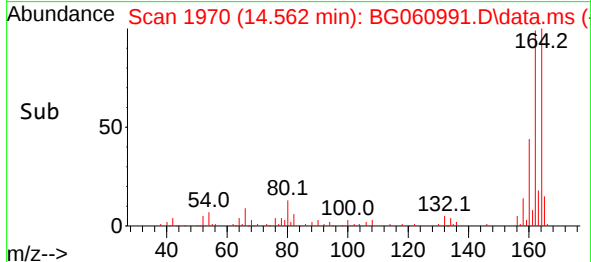
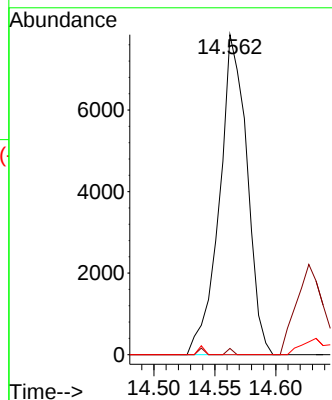
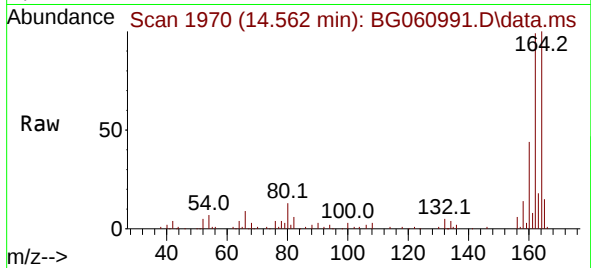




#51
2,6-Dinitrotoluene
Concen: 8.347 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.421 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

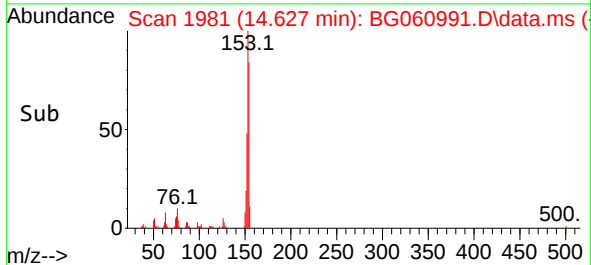
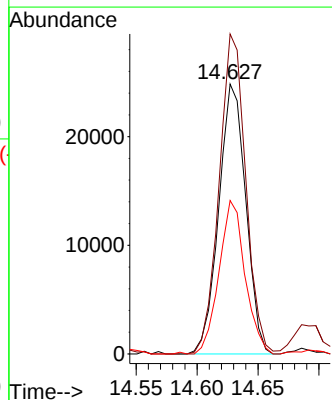
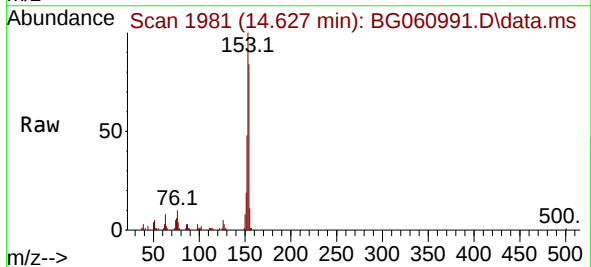
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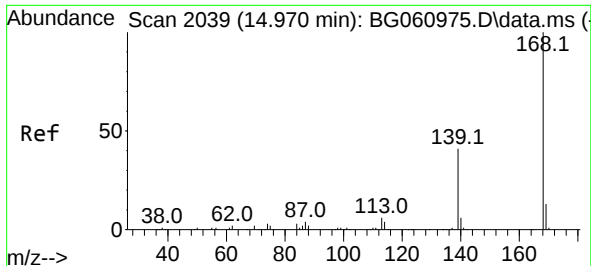
Tgt Ion:165 Resp: 12325
Ion Ratio Lower Upper
165 100
63 2.0 59.6 89.4#
89 0.0 49.4 74.0#



#52
Acenaphthene
Concen: 8.449 ng
RT: 14.627 min Scan# 1981
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:154 Resp: 38319
Ion Ratio Lower Upper
154 100
153 118.6 91.2 136.8
152 56.9 42.7 64.1

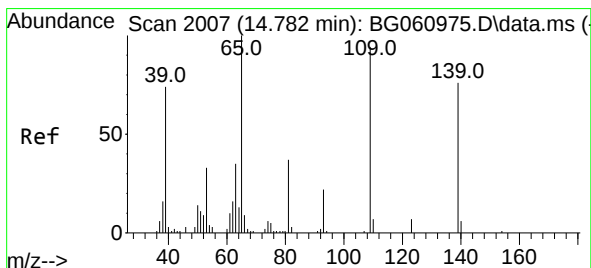
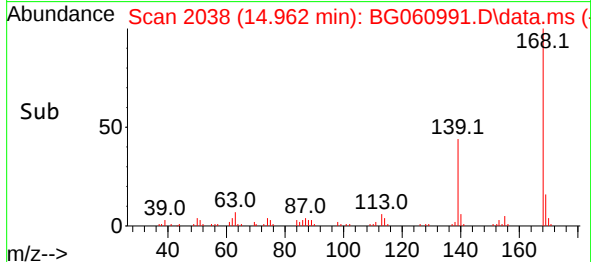
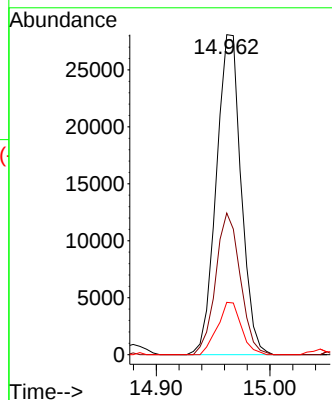
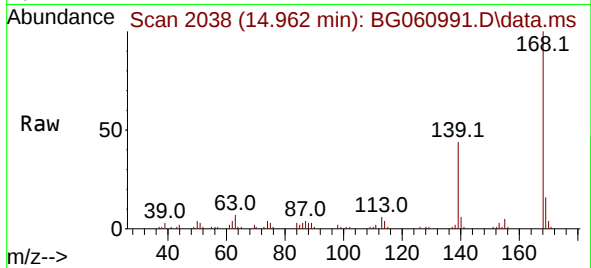




#55
Dibenzenofuran
Concen: 5.446 ng
RT: 14.962 min Scan# 2038
Delta R.T. -0.008 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

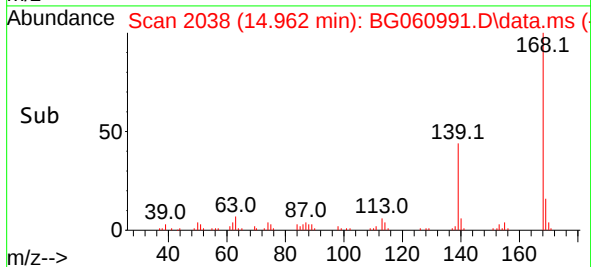
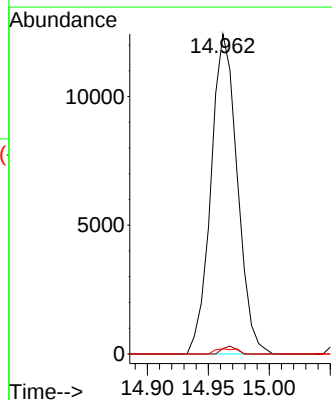
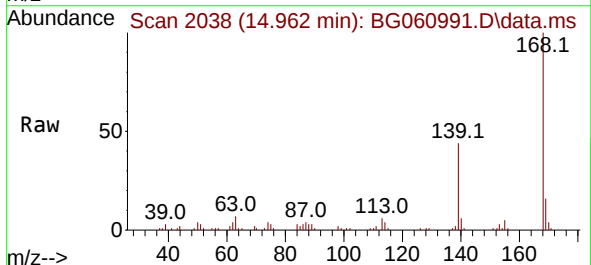
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

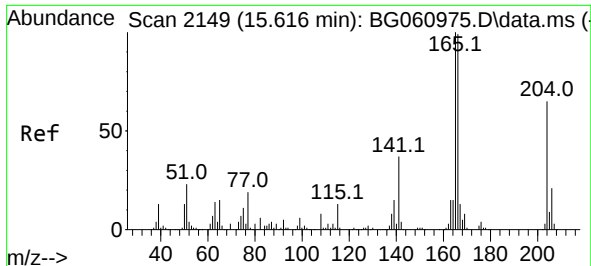
Tgt Ion:168 Resp: 42650
Ion Ratio Lower Upper
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139 44.2 32.4 48.6
169 16.3 10.6 15.8#



#56
4-Nitrophenol
Concen: 17.935 ng
RT: 14.962 min Scan# 2038
Delta R.T. 0.180 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:139 Resp: 18708
Ion Ratio Lower Upper
139 100
109 1.7 104.1 144.1#
65 1.6 112.0 152.0#

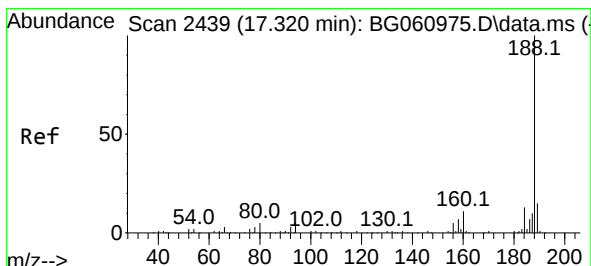
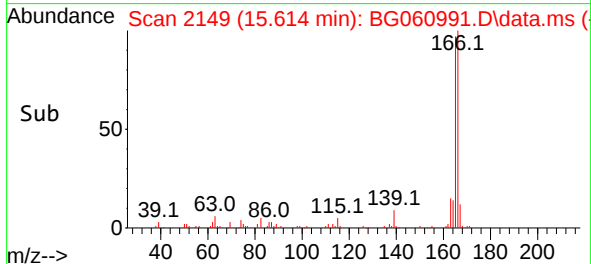
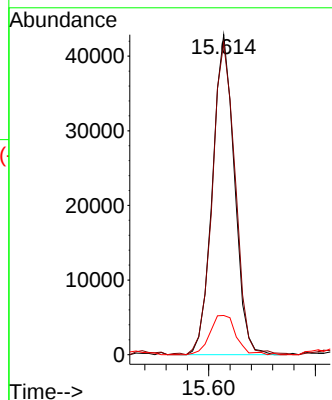
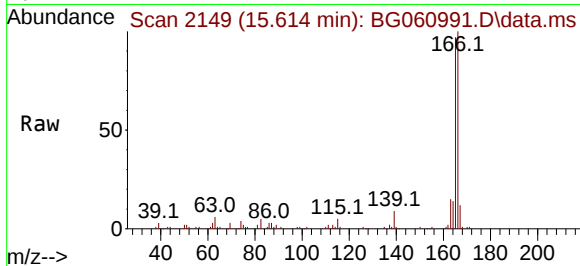




#58
 Fluorene
 Concen: 9.253 ng
 RT: 15.614 min Scan# 2149
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

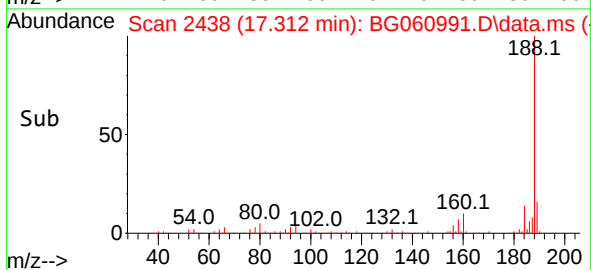
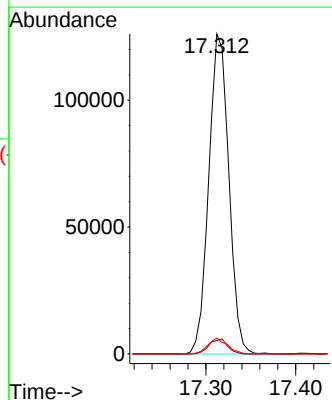
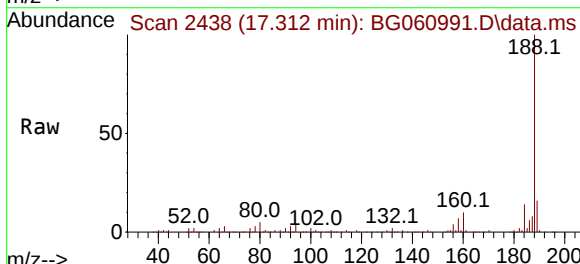
Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

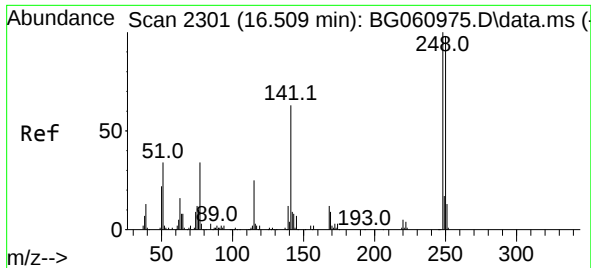
Tgt Ion:166 Resp: 61167
 Ion Ratio Lower Upper
 166 100
 165 97.5 80.9 121.3
 167 12.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.312 min Scan# 2438
 Delta R.T. -0.008 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Tgt Ion:188 Resp: 195836
 Ion Ratio Lower Upper
 188 100
 94 4.2 4.1 6.1
 80 5.0 4.0 6.0

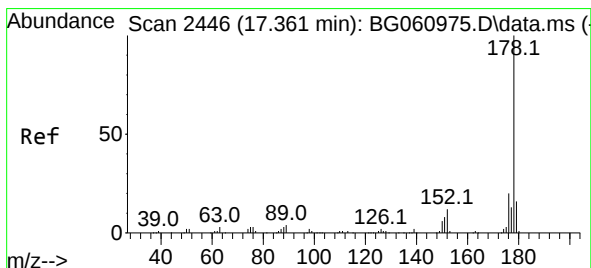
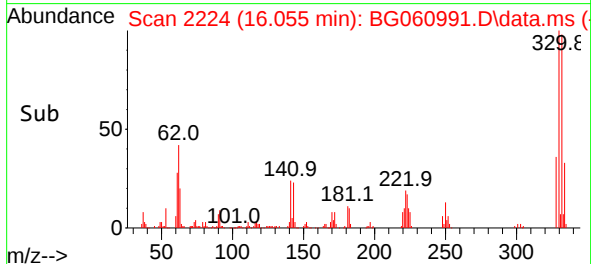
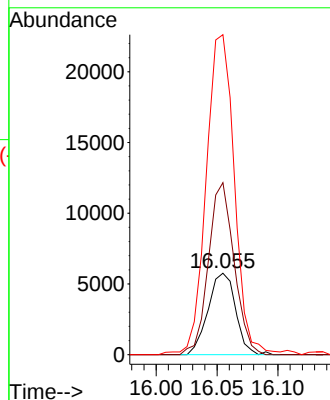
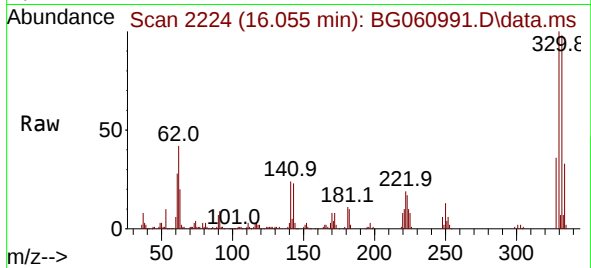




#67
4-Bromophenyl-phenylether
Concen: 3.505 ng
RT: 16.055 min Scan# 211
Delta R.T. -0.455 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

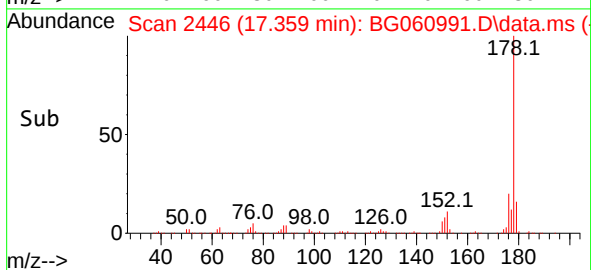
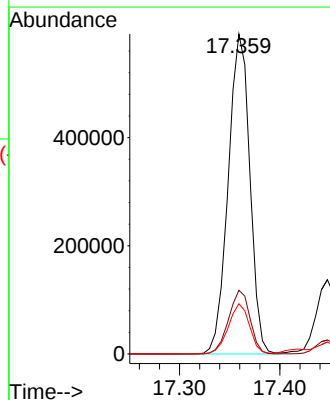
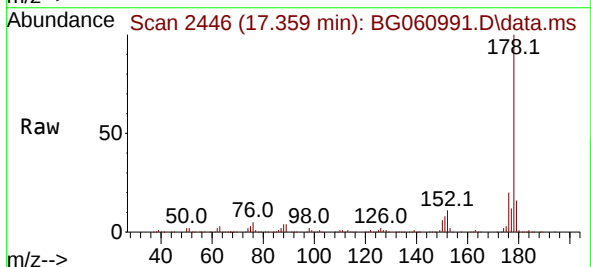
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

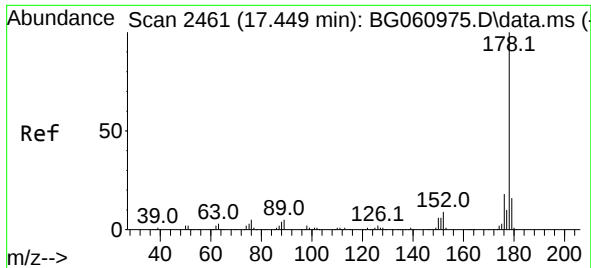
Tgt Ion:248 Resp: 9059
Ion Ratio Lower Upper
248 100
250 211.4 78.7 118.1#
141 393.2 50.4 75.6#



#71
Phenanthrene
Concen: 88.508 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:178 Resp: 884736
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 12.5 18.7

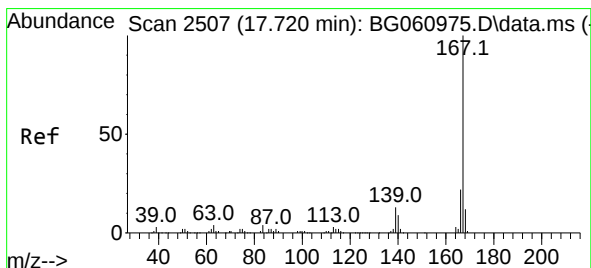
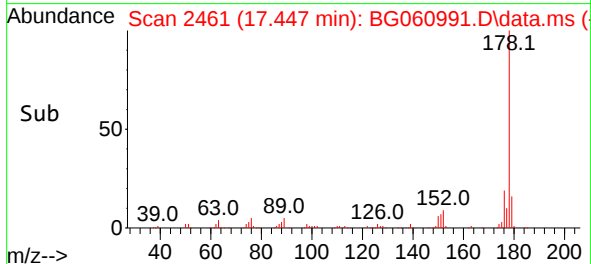
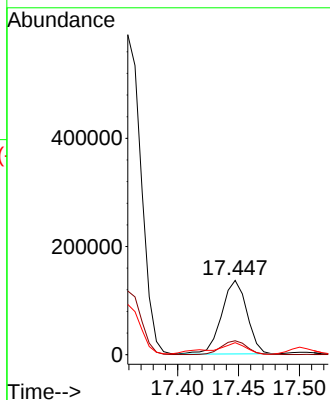
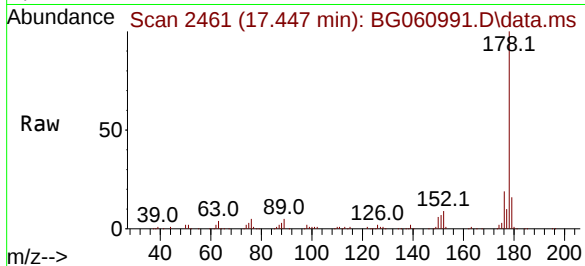




#72
 Anthracene
 Concen: 19.163 ng
 RT: 17.447 min Scan# 2461
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

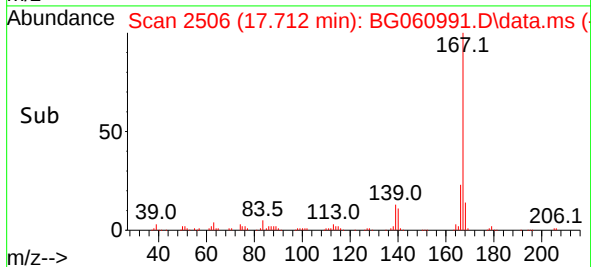
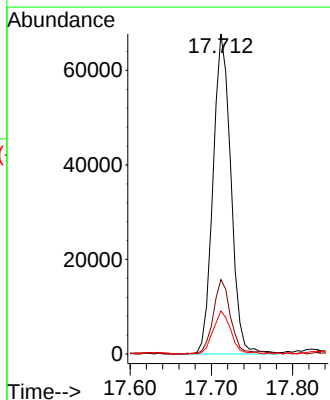
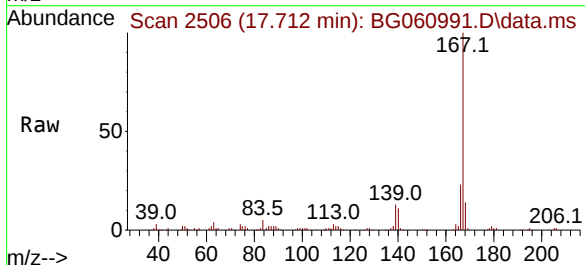
Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

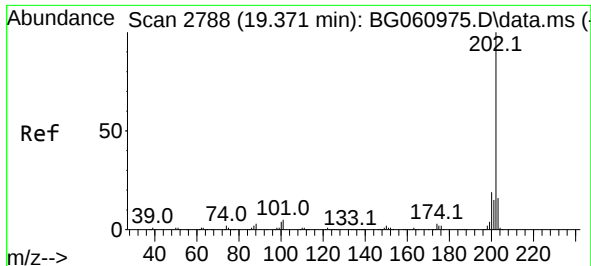
Tgt Ion:178 Resp: 197281
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 16.2 12.4 18.6



#73
 Carbazole
 Concen: 12.107 ng
 RT: 17.712 min Scan# 2506
 Delta R.T. -0.008 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Tgt Ion:167 Resp: 103517
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.8 26.8
 139 13.4 10.2 15.2

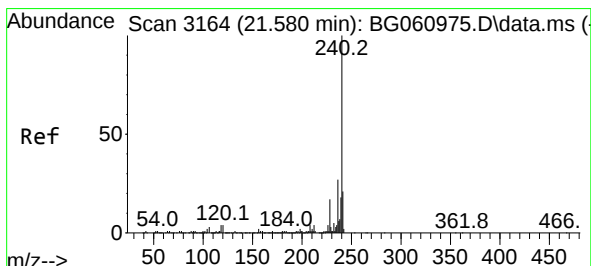
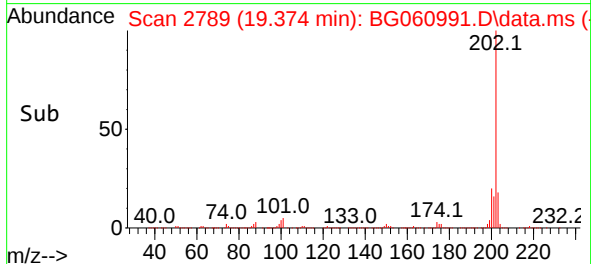
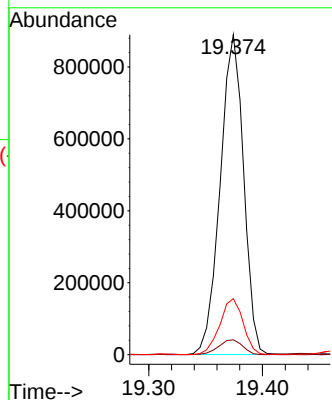
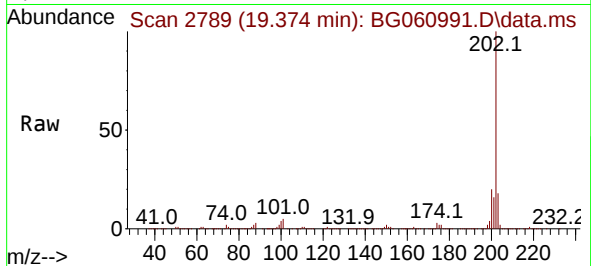




#75
Fluoranthene
Concen: 95.959 ng
RT: 19.374 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

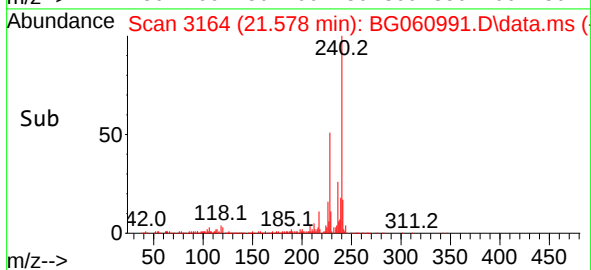
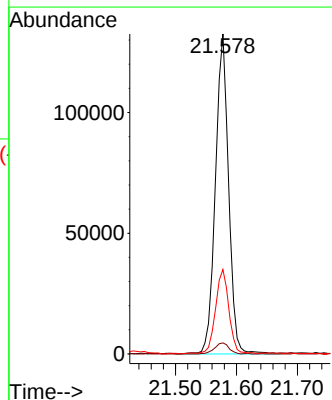
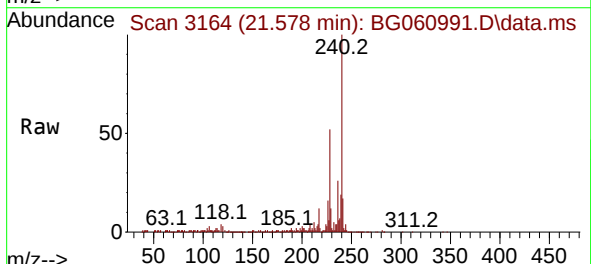
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

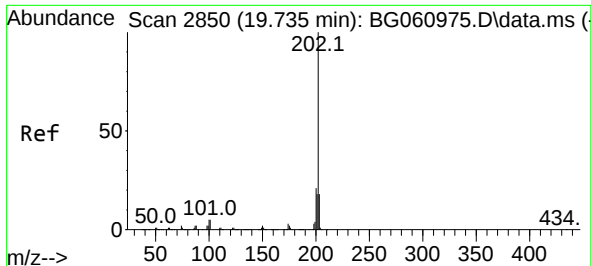
Tgt Ion:202 Resp: 1273003
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.9
203 17.5 0.0 36.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:240 Resp: 199526
Ion Ratio Lower Upper
240 100
120 3.4 3.0 4.6
236 26.4 21.8 32.6



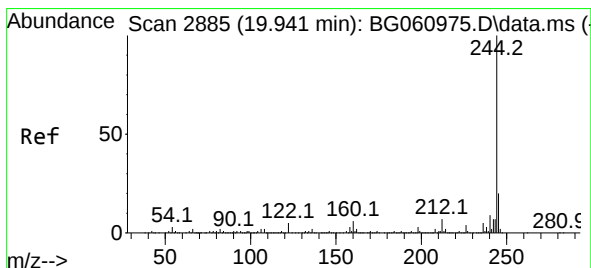
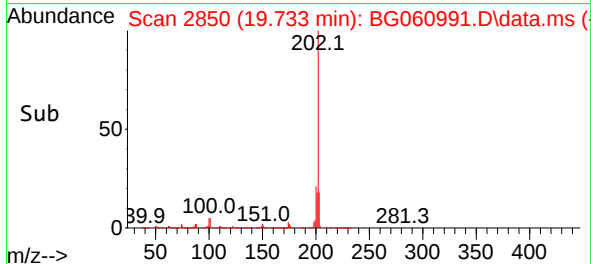
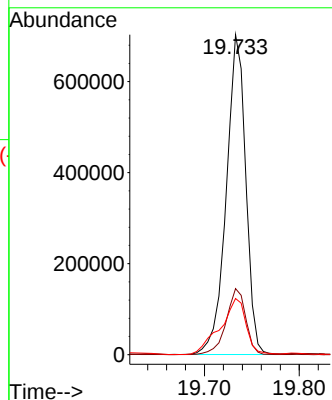
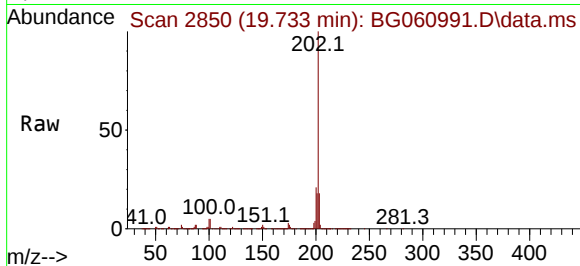


#78
 Pyrene
 Concen: 73.899 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

Tgt Ion:202 Resp: 1003969

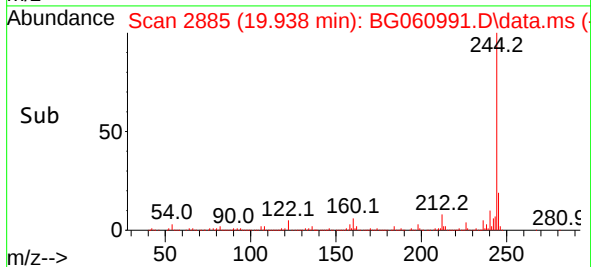
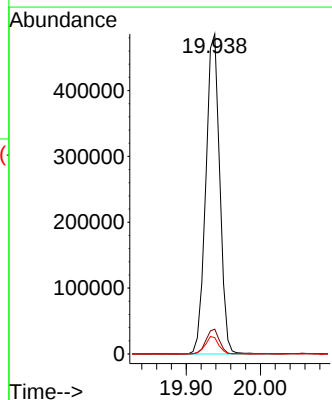
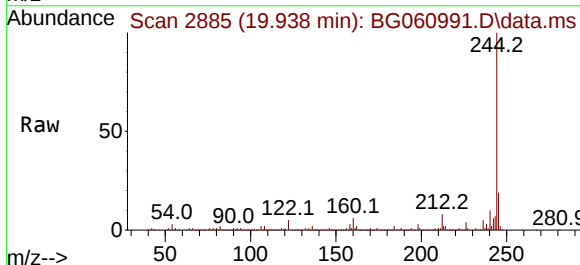
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.6	14.2	21.2

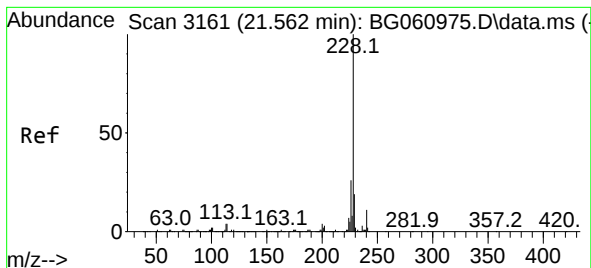


#79
 Terphenyl-d14
 Concen: 49.417 ng
 RT: 19.938 min Scan# 2885
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Tgt Ion:244 Resp: 635211

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.9	8.9
122	5.1	4.2	6.2





#81

Benzo(a)anthracene

Concen: 42.568 ng

RT: 21.560 min Scan# 3161

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONT

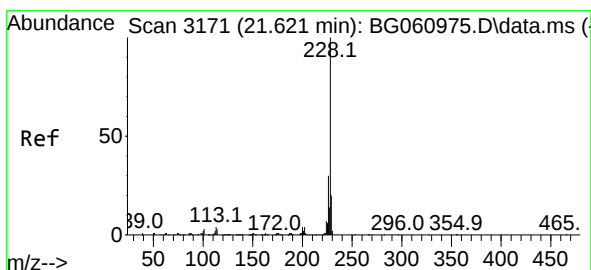
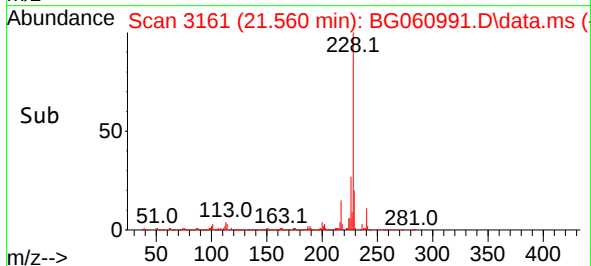
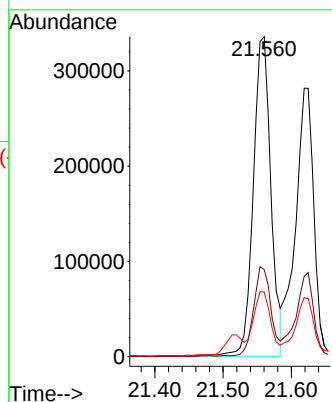
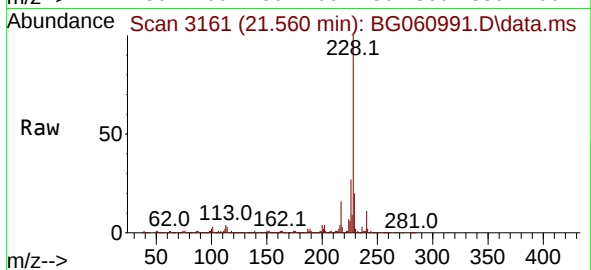
Tgt Ion:228 Resp: 597133

Ion Ratio Lower Upper

228 100

226 27.2 21.0 31.4

229 20.2 15.0 22.4



#83

Chrysene

Concen: 39.686 ng

RT: 21.619 min Scan# 3171

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

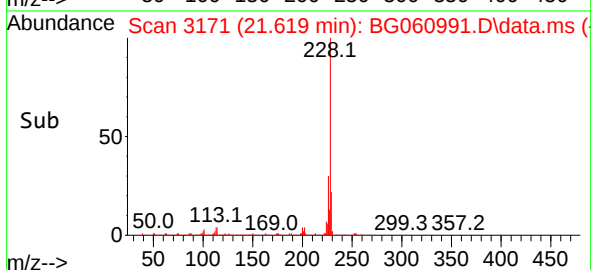
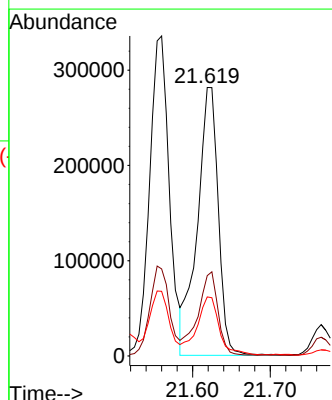
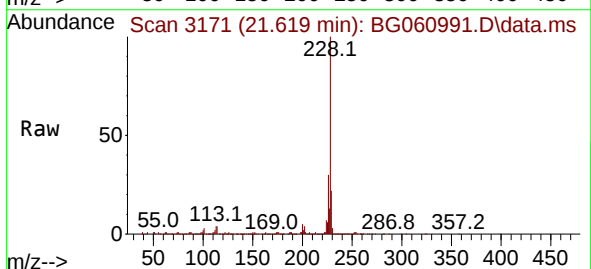
Tgt Ion:228 Resp: 530027

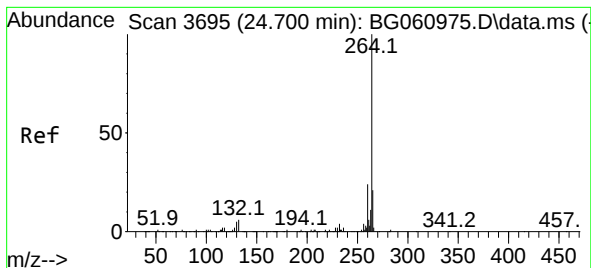
Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 22.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONT

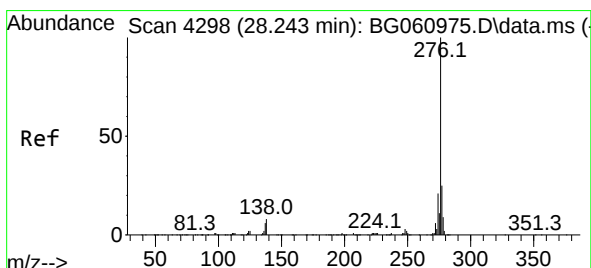
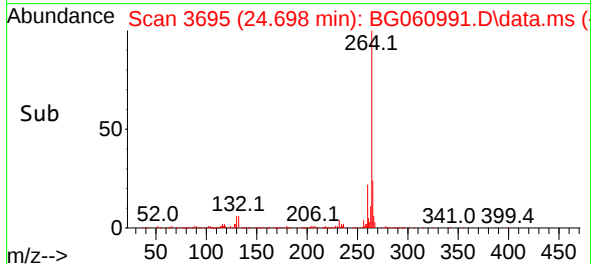
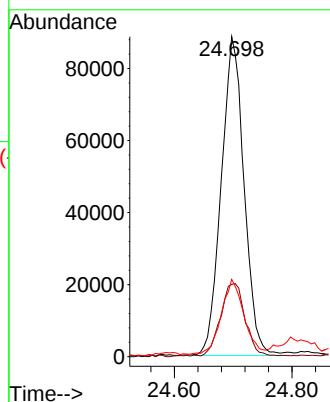
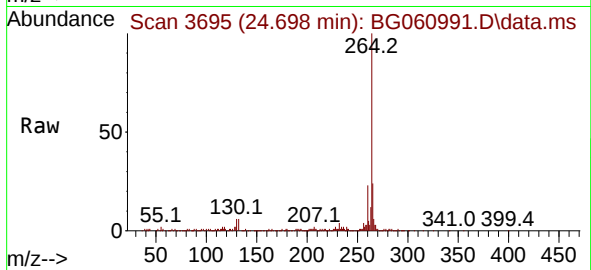
Tgt Ion:264 Resp: 238367

Ion Ratio Lower Upper

264 100

260 22.6 19.4 29.2

265 24.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.883 ng

RT: 28.235 min Scan# 4297

Delta R.T. -0.008 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

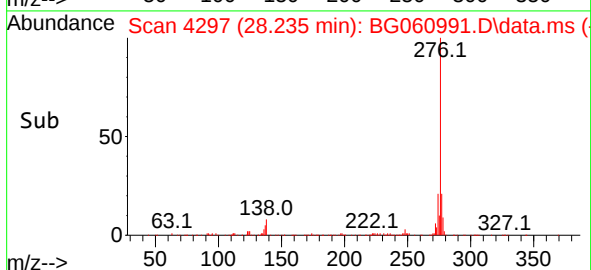
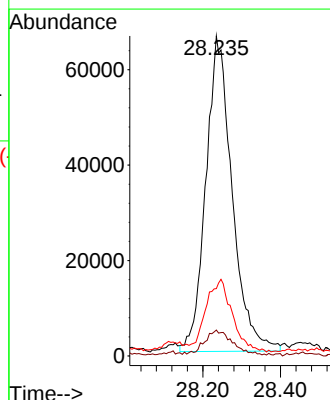
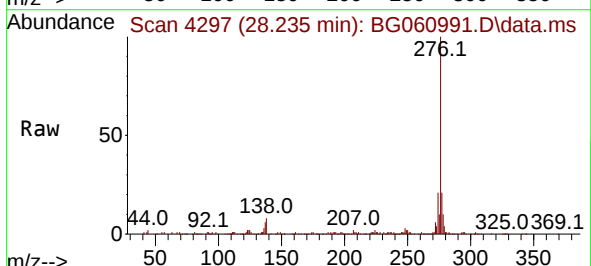
Tgt Ion:276 Resp: 312239

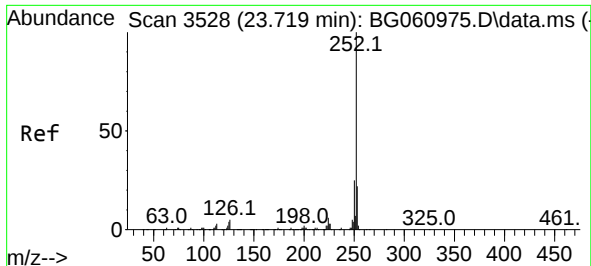
Ion Ratio Lower Upper

276 100

138 8.0 5.3 7.9#

277 23.1 20.6 30.8

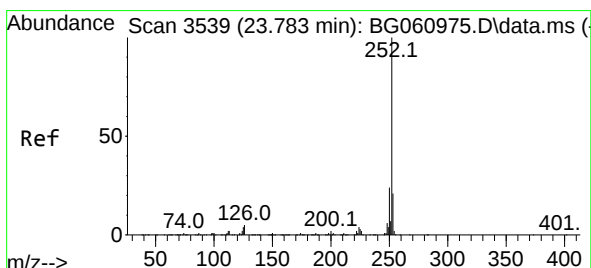
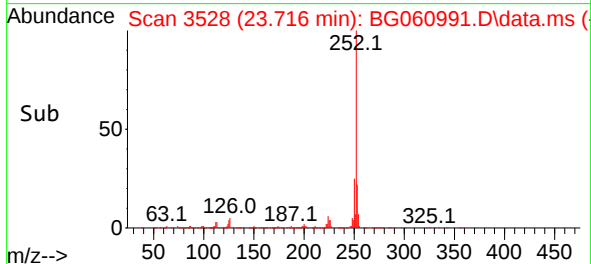
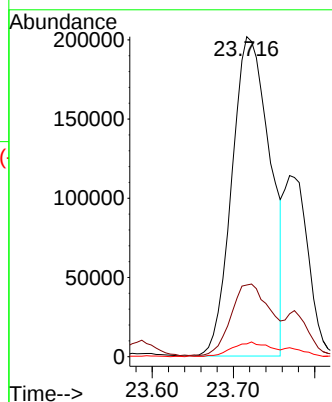
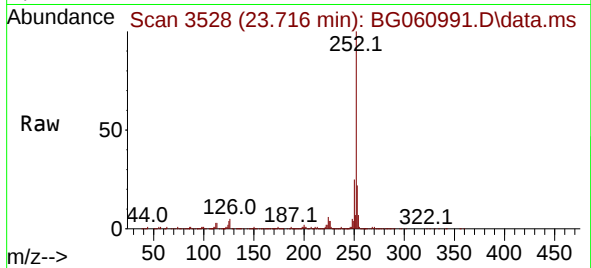




#88
Benzo(b)fluoranthene
Concen: 48.746 ng
RT: 23.716 min Scan# 3528
Delta R.T. -0.002 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

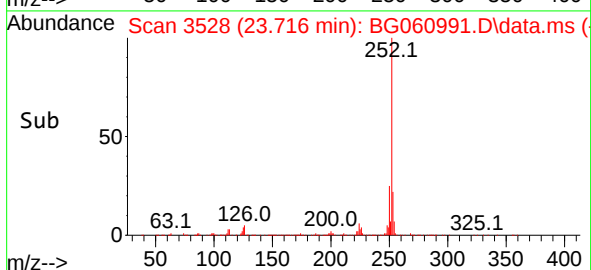
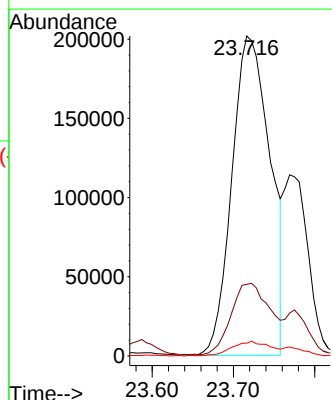
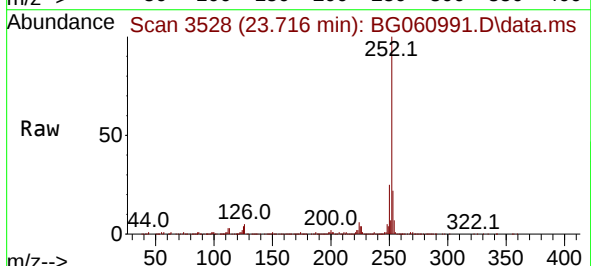
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

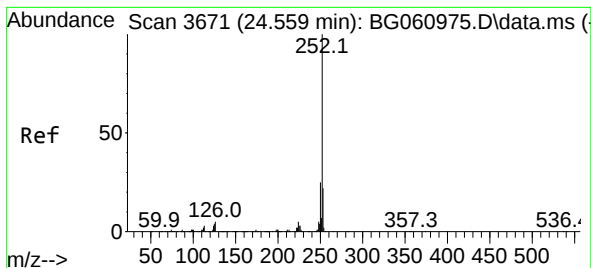
Tgt Ion:252 Resp: 658463
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 4.0 3.3 4.9



#89
Benzo(k)fluoranthene
Concen: 48.288 ng
RT: 23.716 min Scan# 3528
Delta R.T. -0.067 min
Lab File: BG060991.D
Acq: 22 Apr 2024 14:39

Tgt Ion:252 Resp: 658463
Ion Ratio Lower Upper
252 100
253 22.4 16.6 25.0
125 4.0 3.3 4.9





#90

Benzo(a)pyrene

Concen: 34.611 ng

RT: 24.557 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONT

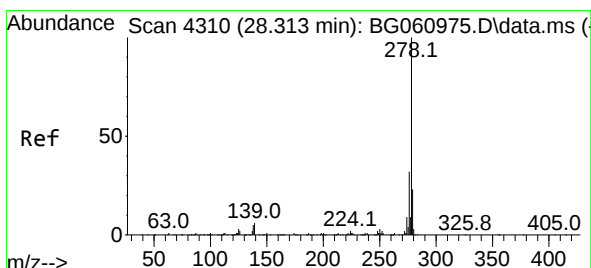
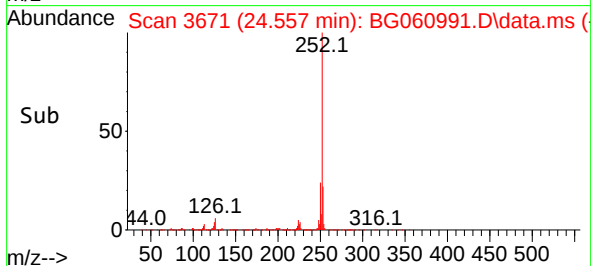
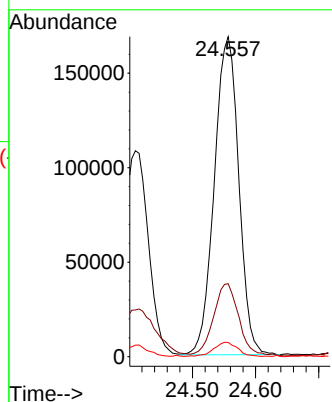
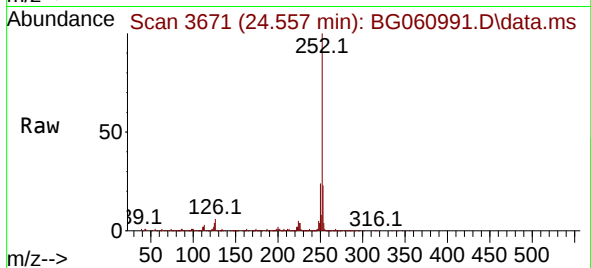
Tgt Ion:252 Resp: 452540

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 4.5 3.6 5.4



#91

Dibenzo(a,h)anthracene

Concen: 5.802 ng

RT: 28.282 min Scan# 4305

Delta R.T. -0.032 min

Lab File: BG060991.D

Acq: 22 Apr 2024 14:39

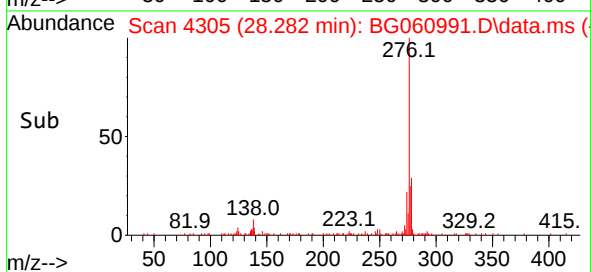
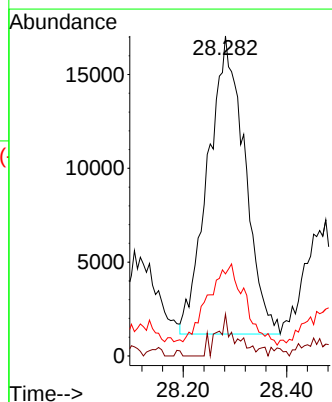
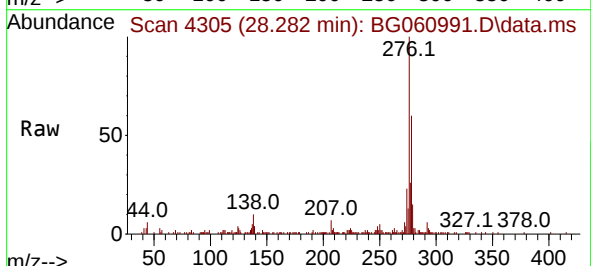
Tgt Ion:278 Resp: 78390

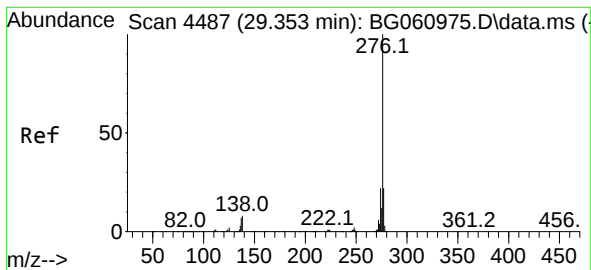
Ion Ratio Lower Upper

278 100

139 13.1 4.7 7.1#

279 25.7 18.2 27.4





#92
 Benzo(g,h,i)perylene
 Concen: 21.537 ng
 RT: 29.351 min Scan# 44
 Delta R.T. -0.002 min
 Lab File: BG060991.D
 Acq: 22 Apr 2024 14:39

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONT

Tgt Ion:276 Resp: 288494

Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.0	27.0
138	7.7	6.5	9.7

