

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
 Data File : BG060683.D
 Acq On : 19 Mar 2024 16:09
 Operator : MA/JU
 Sample : P1792-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11977

Quant Time: Mar 19 16:53:40 2024
 Quant Title :
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

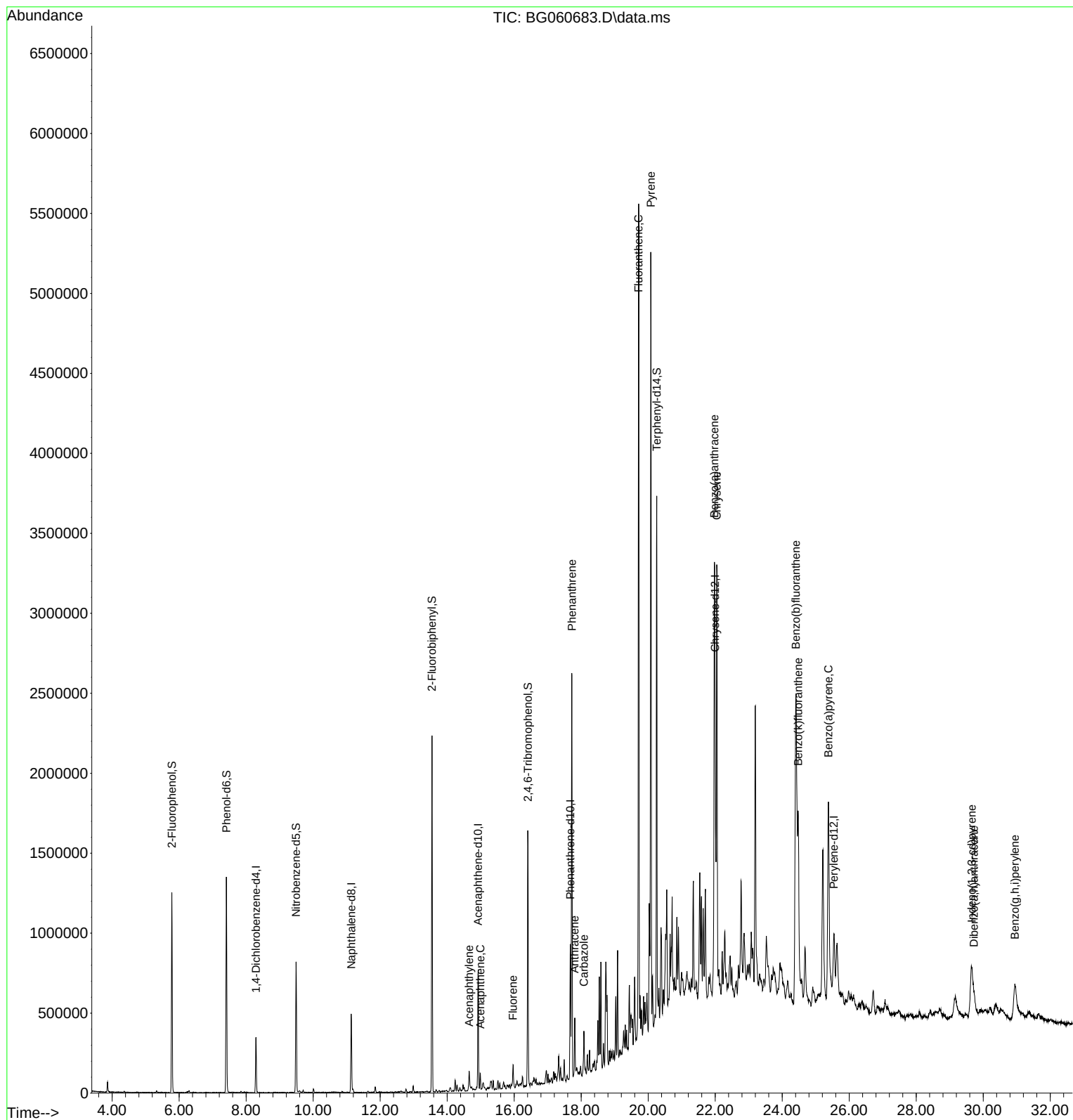
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	93793	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	405498	20.000	ng	0.00
39) Acenaphthene-d10	14.928	164	259871	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	550189	20.000	ng	0.00
76) Chrysene-d12	21.996	240	496967	20.000	ng	0.00
86) Perylene-d12	25.545	264	590987	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	529278	88.708	ng	0.00
7) Phenol-d6	7.413	99	771907	89.185	ng	0.00
23) Nitrobenzene-d5	9.493	82	474332	60.878	ng	0.00
42) 2,4,6-Tribromophenol	16.414	330	303018	100.625	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	1130096	58.796	ng	0.00
79) Terphenyl-d14	20.257	244	1536657	55.890	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.657	152	128310	5.283	ng	96
52) Acenaphthene	14.992	154	35743	2.463	ng	96
58) Fluorene	15.968	166	66268	3.525	ng	97
71) Phenanthrene	17.724	178	1610377	54.336	ng	99
72) Anthracene	17.807	178	234548	7.827	ng	99
73) Carbazole	18.083	167	134641	5.167	ng	99
75) Fluoranthene	19.716	202	3342492	101.957	ng	95
78) Pyrene	20.080	202	3117570	89.891	ng	95
81) Benzo(a)anthracene	21.978	228	1886782	55.140	ng	97
83) Chrysene	22.049	228	1997382	60.117	ng	96
87) Indeno(1,2,3-cd)pyrene	29.657	276	830619	20.605	ng	# 90
88) Benzo(b)fluoranthene	24.411	252	2565431	78.906	ng	96
89) Benzo(k)fluoranthene	24.475	252	1431190m	41.901	ng	
90) Benzo(a)pyrene	25.380	252	1603334	50.300	ng	96
91) Dibenzo(a,h)anthracene	29.722	278	210068	6.138	ng	# 85
92) Benzo(g,h,i)perylene	30.944	276	771740m	23.292	ng	

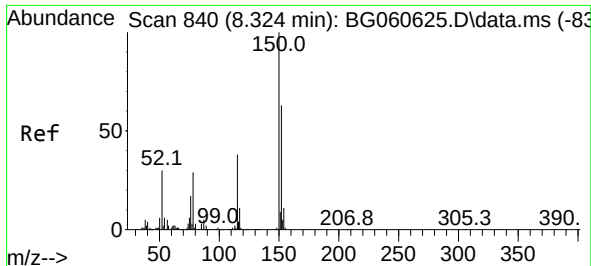
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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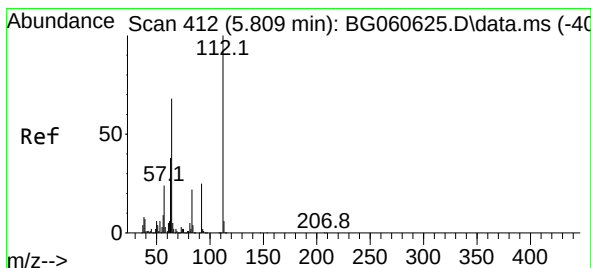
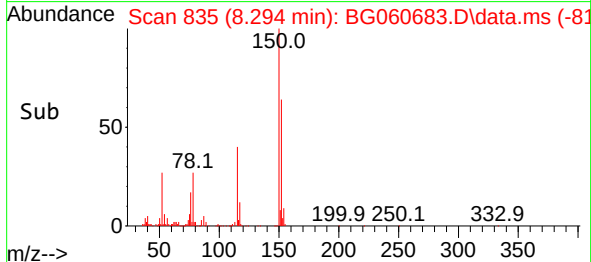
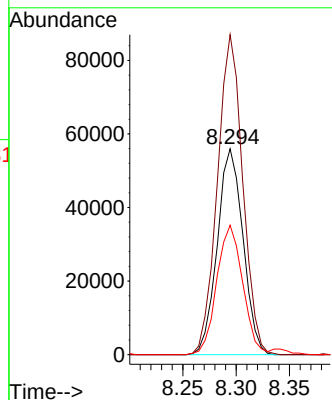
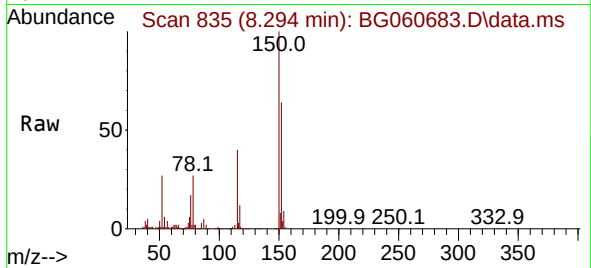




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.294 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

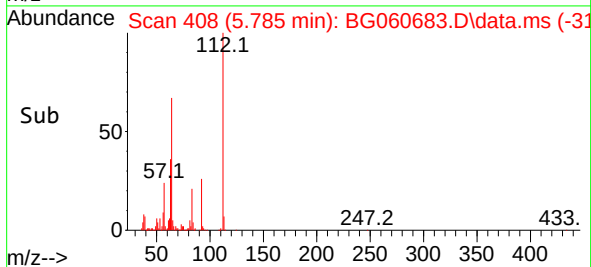
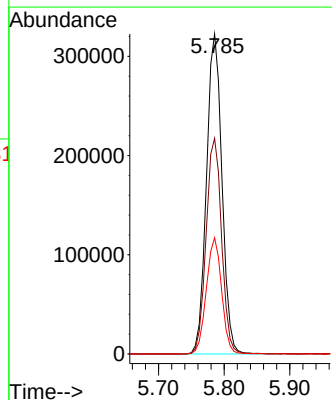
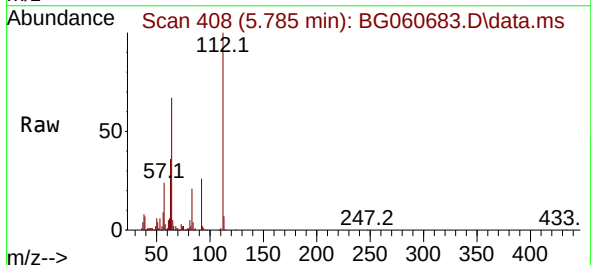
Instrument :
 BNA_G
 ClientSampleId :
 72-11977

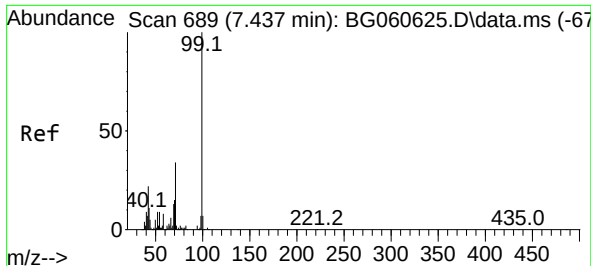
Tgt Ion:152 Resp: 93793
 Ion Ratio Lower Upper
 152 100
 150 155.4 126.6 190.0
 115 62.9 47.8 71.8



#5
 2-Fluorophenol
 Concen: 88.708 ng
 RT: 5.785 min Scan# 408
 Delta R.T. 0.006 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

Tgt Ion:112 Resp: 529278
 Ion Ratio Lower Upper
 112 100
 64 67.4 54.1 81.1
 63 36.3 30.3 45.5

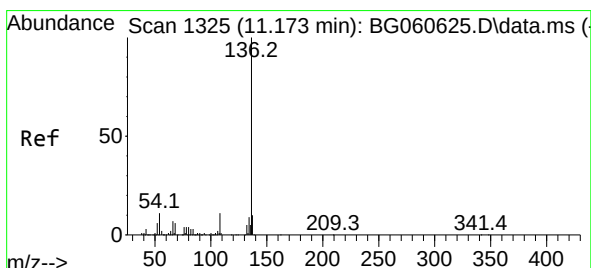
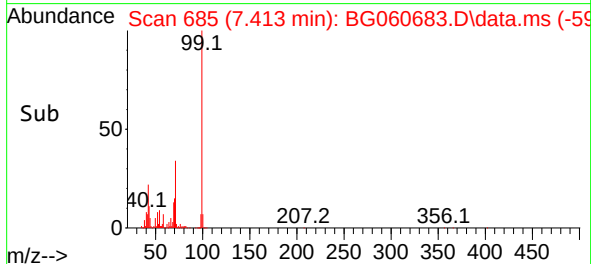
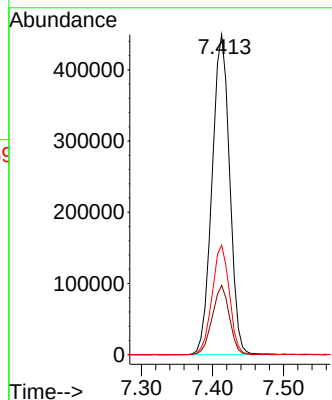
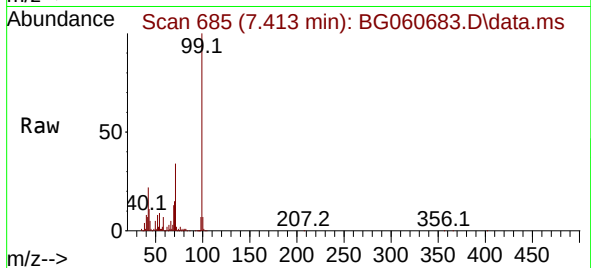




#7
Phenol-d6
Concen: 89.185 ng
RT: 7.413 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

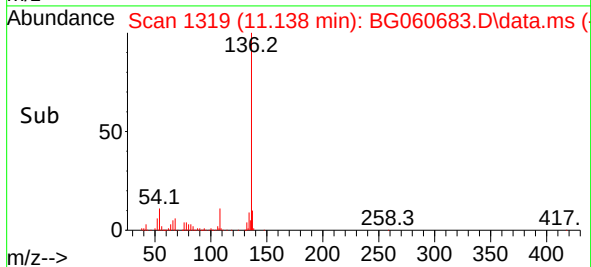
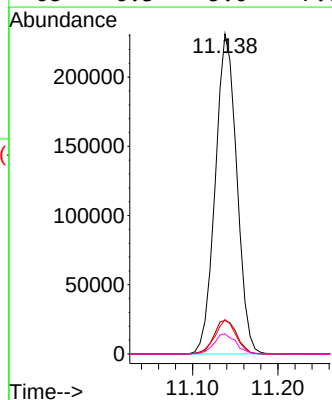
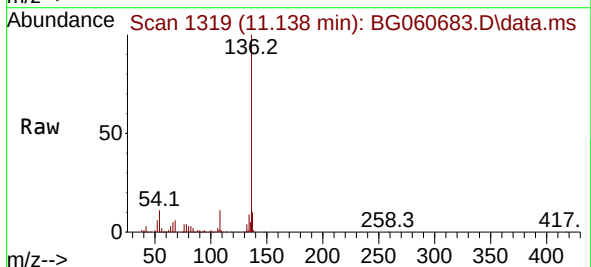
Instrument :
BNA_G
ClientSampleId :
72-11977

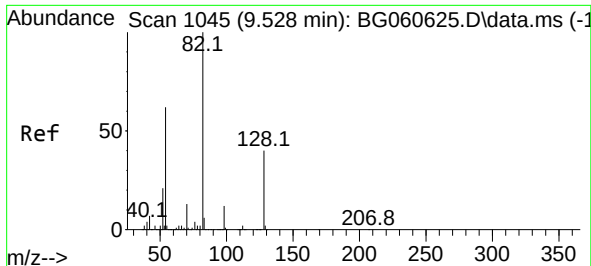
Tgt Ion: 99 Resp: 771907
Ion Ratio Lower Upper
99 100
42 21.6 17.5 26.3
71 34.2 27.4 41.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:136 Resp: 405498
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 10.7 8.5 12.7
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 60.878 ng

RT: 9.493 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

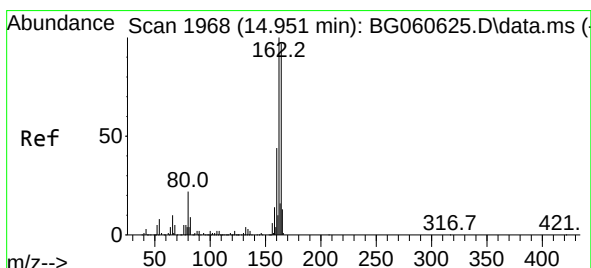
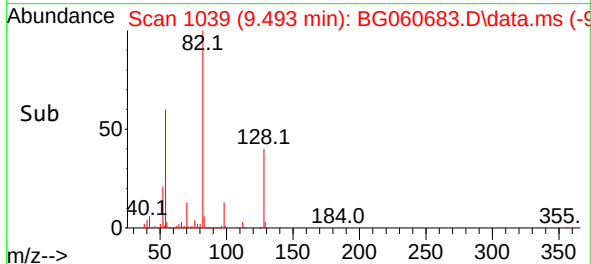
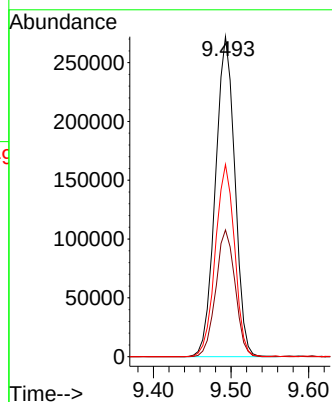
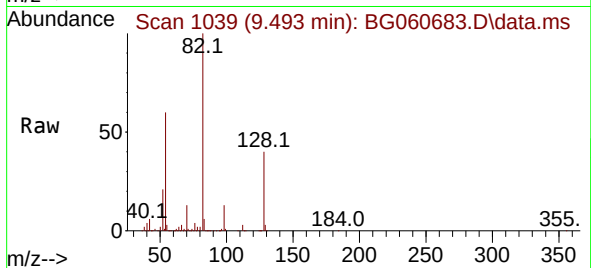
Tgt Ion: 82 Resp: 474332

Ion Ratio Lower Upper

82 100

128 39.6 31.6 47.4

54 60.0 49.3 73.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.928 min Scan# 1964

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

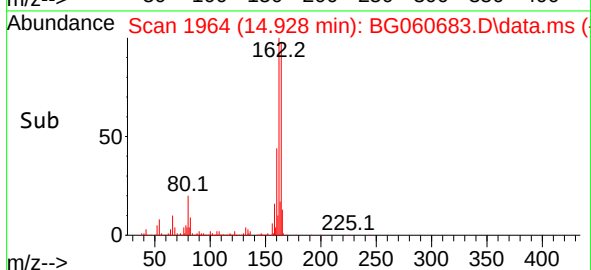
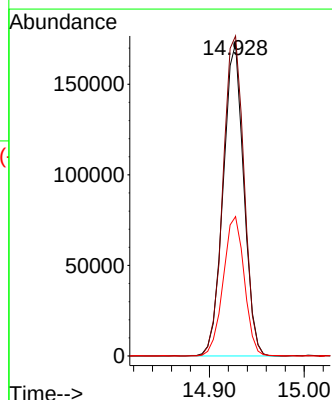
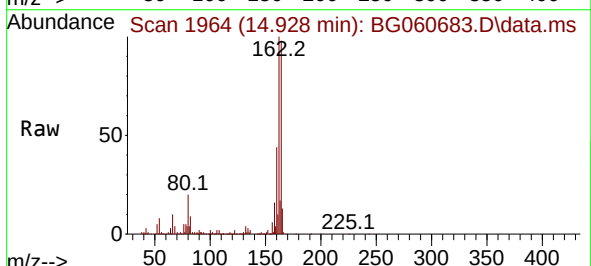
Tgt Ion:164 Resp: 259871

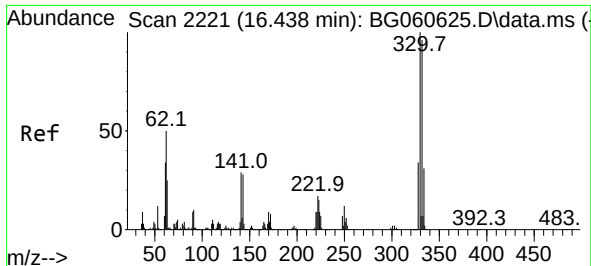
Ion Ratio Lower Upper

164 100

162 102.4 82.5 123.7

160 44.6 36.4 54.6

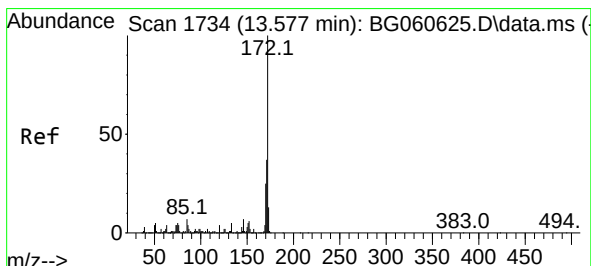
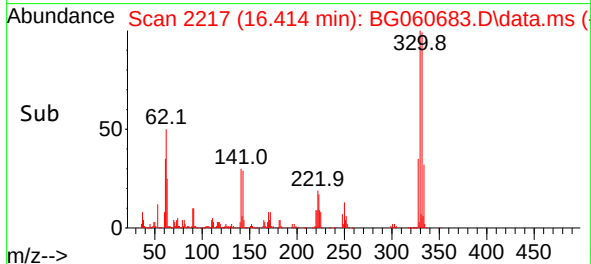
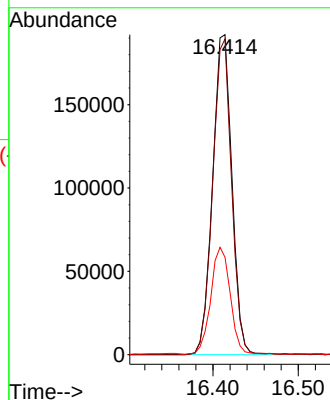
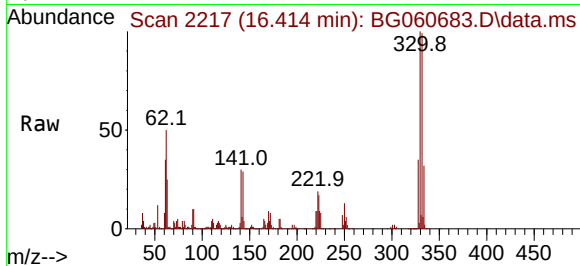




#42
2,4,6-Tribromophenol
Concen: 100.625 ng
RT: 16.414 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

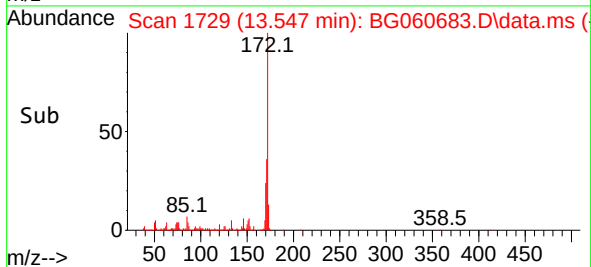
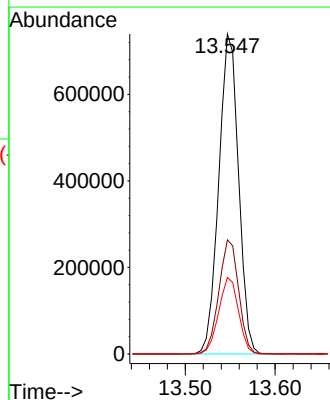
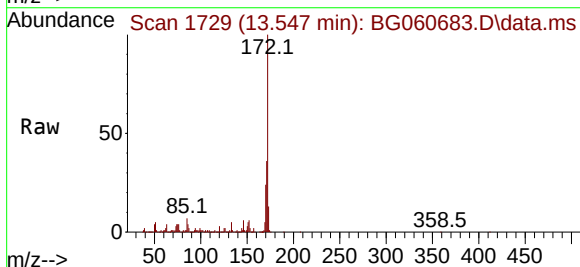
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72-11977

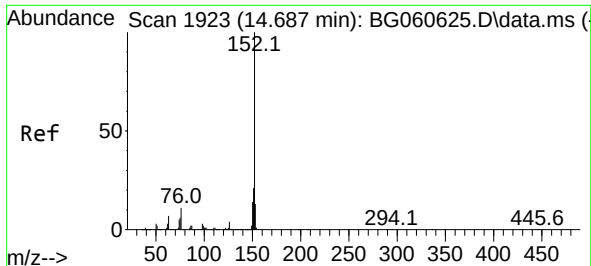
Tgt Ion:330 Resp: 303018
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 33.6 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 58.796 ng
RT: 13.547 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:172 Resp: 1130096
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 23.9 19.8 29.6

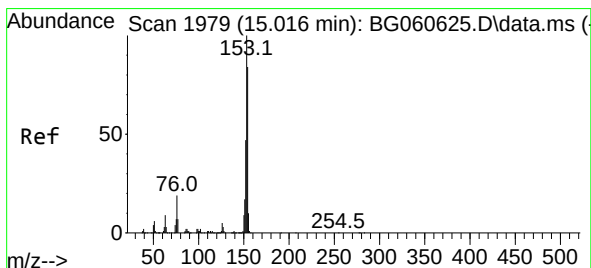
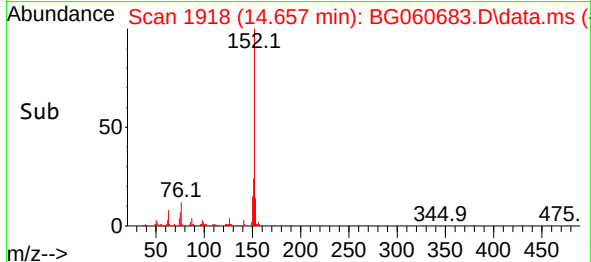
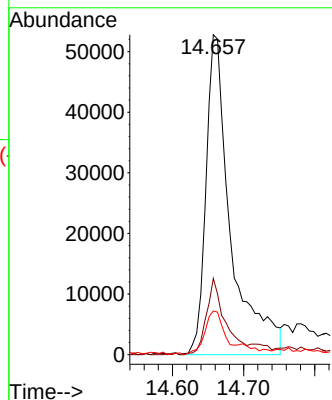
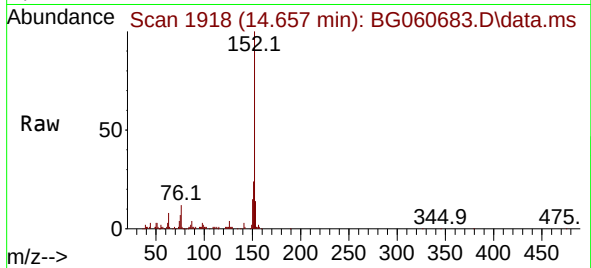




#49
Acenaphthylene
Concen: 5.283 ng
RT: 14.657 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

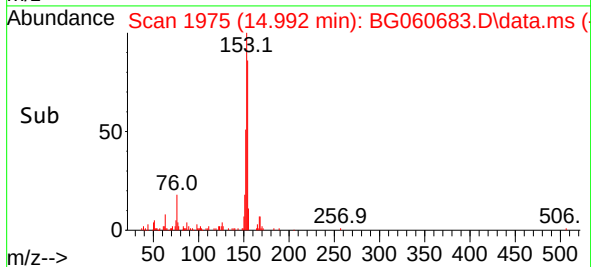
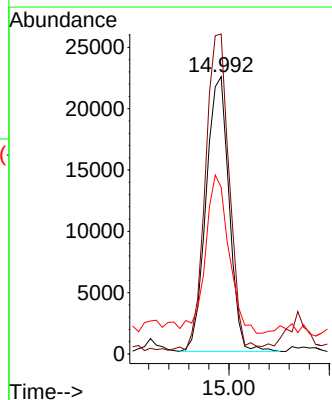
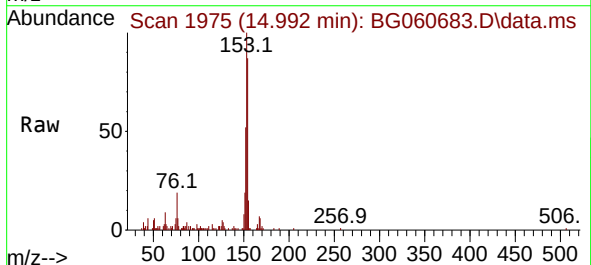
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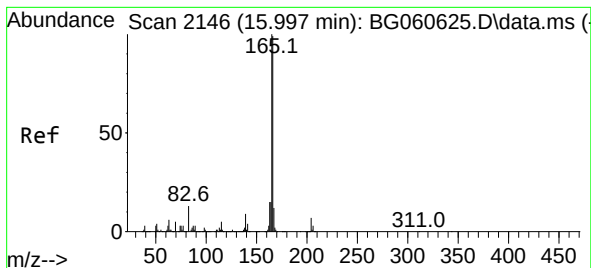
Tgt Ion:152 Resp: 128310
Ion Ratio Lower Upper
152 100
151 23.8 17.1 25.7
153 13.6 10.3 15.5



#52
Acenaphthene
Concen: 2.463 ng
RT: 14.992 min Scan# 1975
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:154 Resp: 35743
Ion Ratio Lower Upper
154 100
153 115.4 94.8 142.2
152 60.0 44.8 67.2





#58

Fluorene

Concen: 3.525 ng

RT: 15.968 min Scan# 2141

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

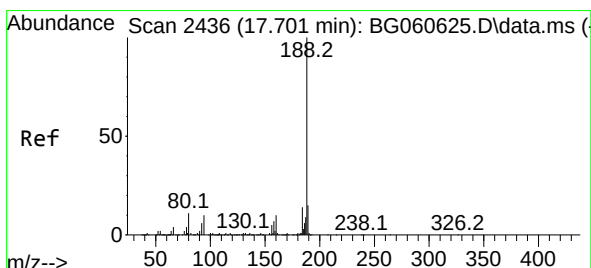
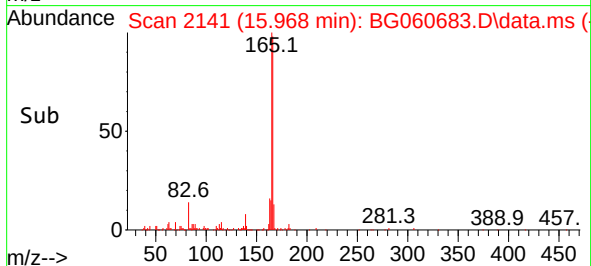
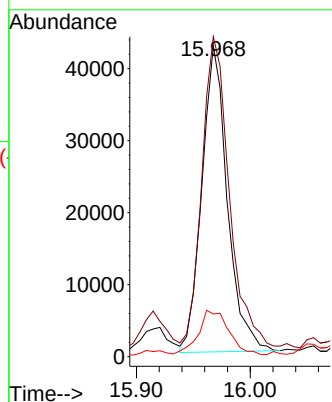
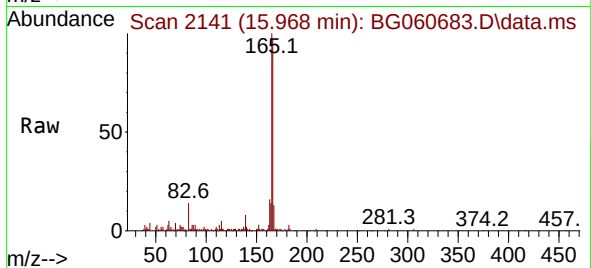
Tgt Ion:166 Resp: 66268

Ion Ratio Lower Upper

166 100

165 103.1 80.5 120.7

167 13.8 9.9 14.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.677 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

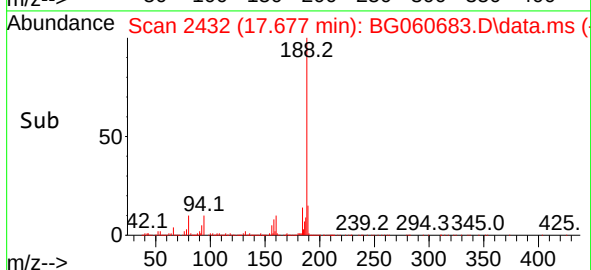
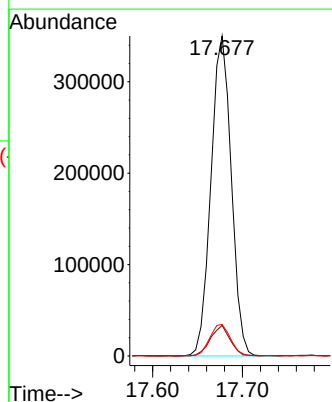
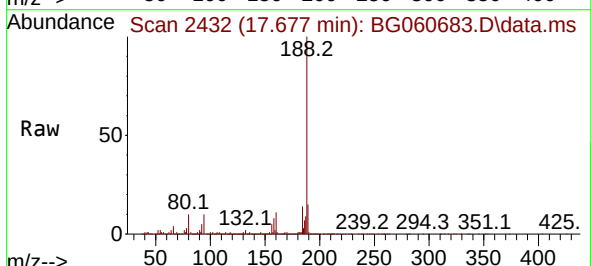
Tgt Ion:188 Resp: 550189

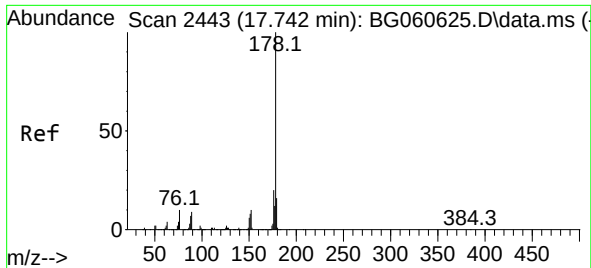
Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 9.9 8.6 13.0

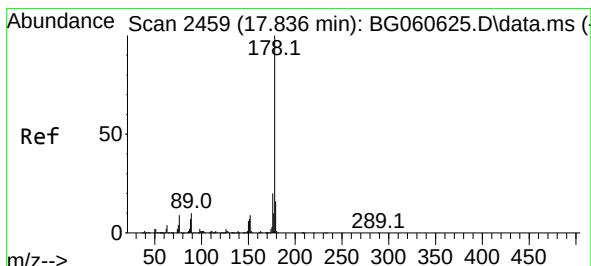
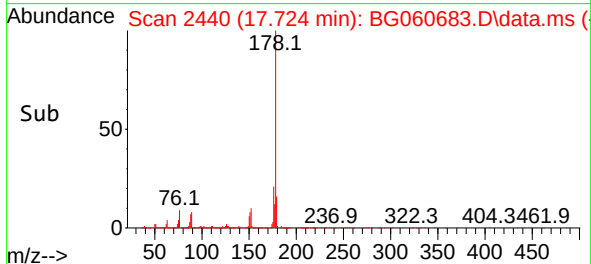
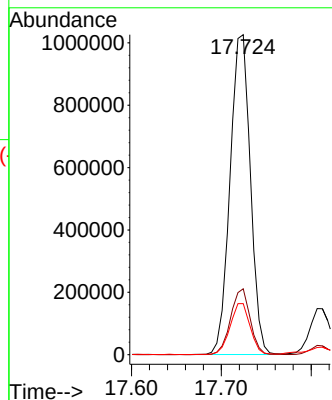
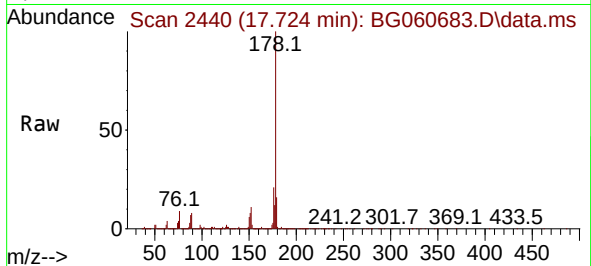




#71
Phenanthrene
Concen: 54.336 ng
RT: 17.724 min Scan# 2443
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

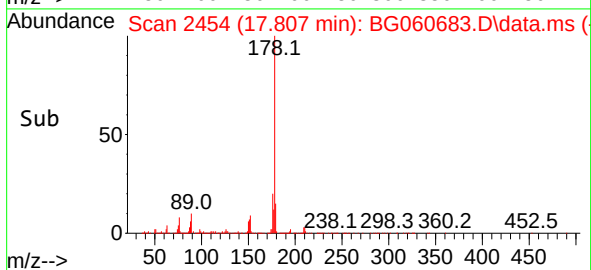
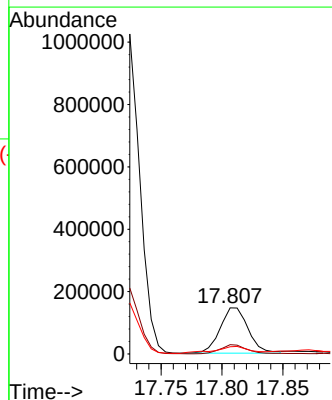
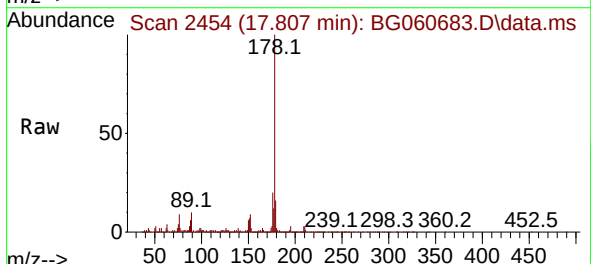
Instrument :
BNA_G
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72-11977

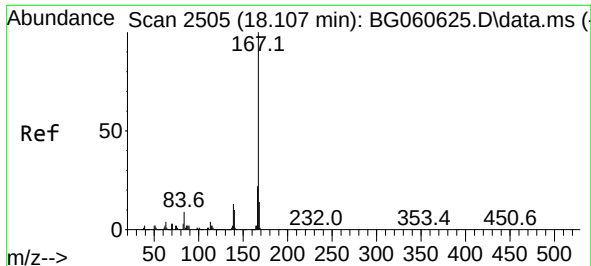
Tgt Ion:178 Resp: 1610377
Ion Ratio Lower Upper
178 100
176 20.6 16.1 24.1
179 16.0 12.9 19.3



#72
Anthracene
Concen: 7.827 ng
RT: 17.807 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:178 Resp: 234548
Ion Ratio Lower Upper
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176 20.3 15.8 23.6
179 15.8 12.6 19.0

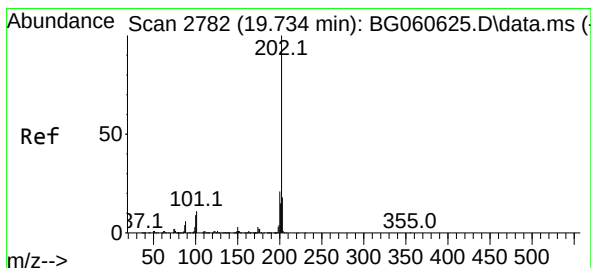
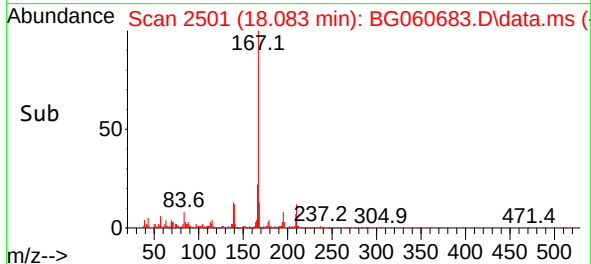
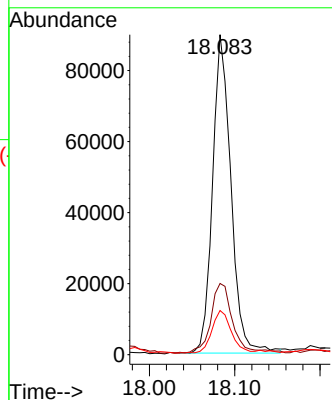
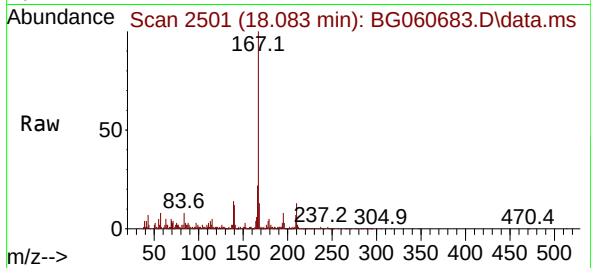




#73
 Carbazole
 Concen: 5.167 ng
 RT: 18.083 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

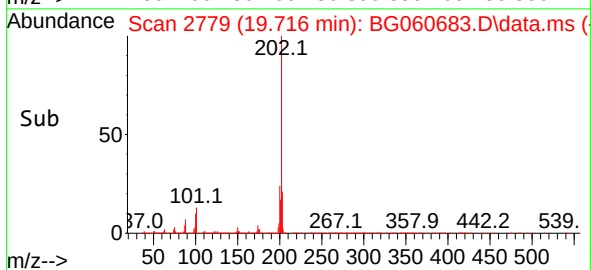
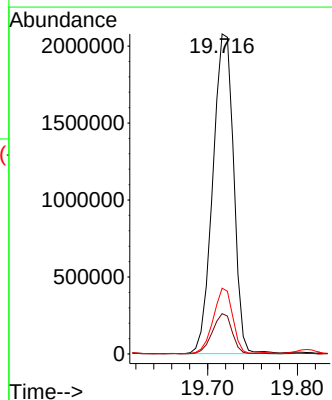
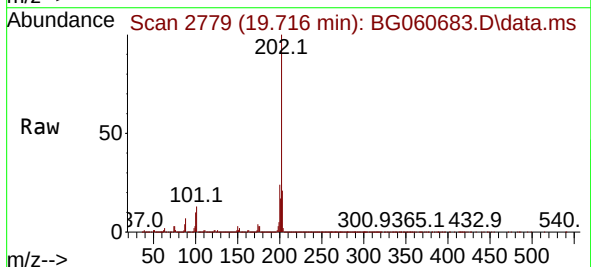
Instrument :
 BNA_G
 ClientSampleId :
 72-11977

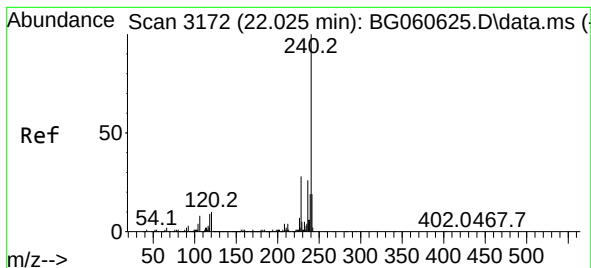
Tgt Ion:167 Resp: 134641
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 13.8 10.7 16.1



#75
 Fluoranthene
 Concen: 101.957 ng
 RT: 19.716 min Scan# 2779
 Delta R.T. 0.006 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

Tgt Ion:202 Resp: 3342492
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.2
 203 20.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.996 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

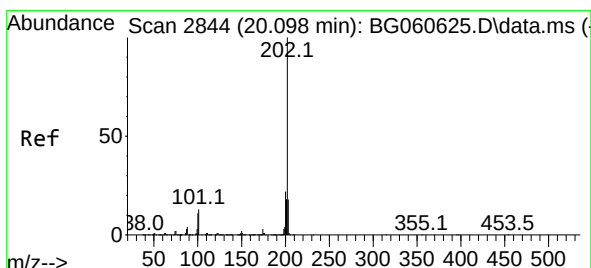
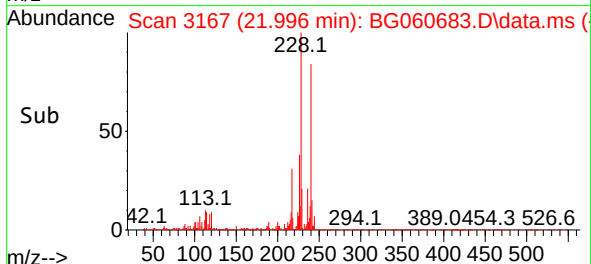
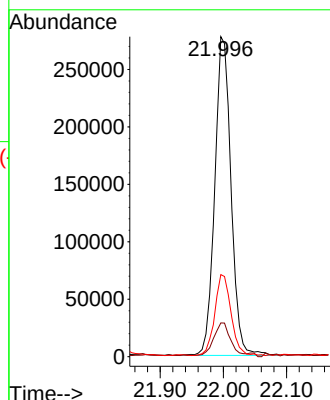
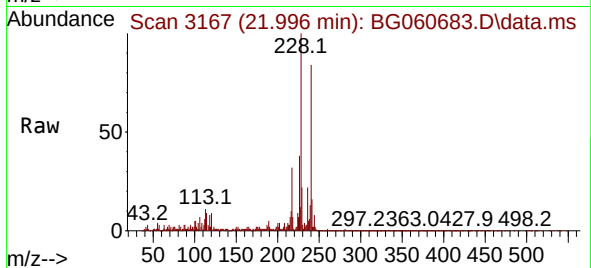
Tgt Ion:240 Resp: 496967

Ion Ratio Lower Upper

240 100

120 10.5 7.8 11.8

236 25.7 20.6 31.0



#78

Pyrene

Concen: 89.891 ng

RT: 20.080 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

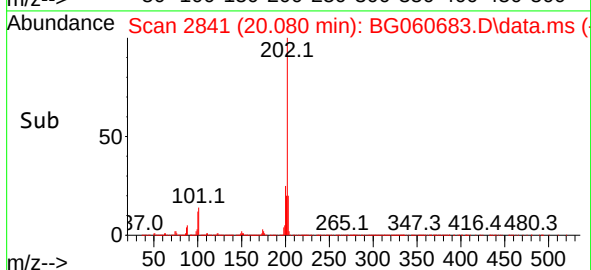
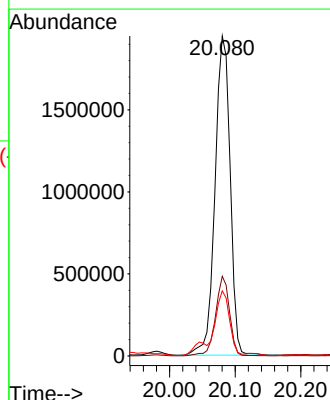
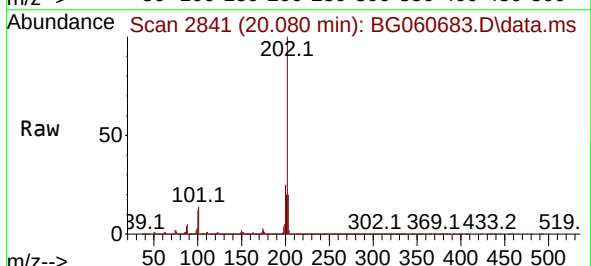
Tgt Ion:202 Resp: 3117570

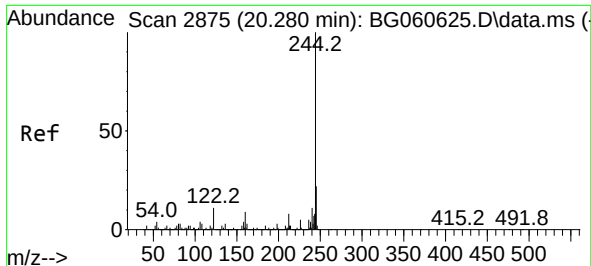
Ion Ratio Lower Upper

202 100

200 24.9 17.9 26.9

203 20.3 14.3 21.5

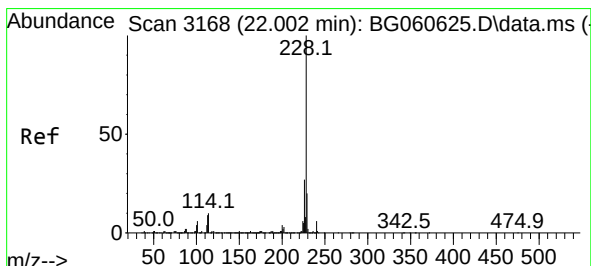
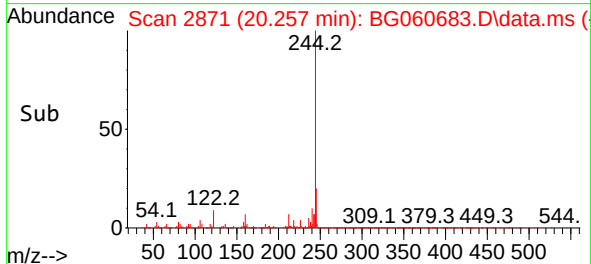
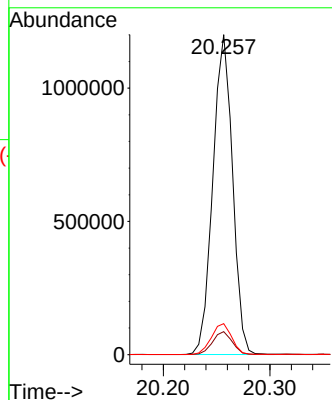
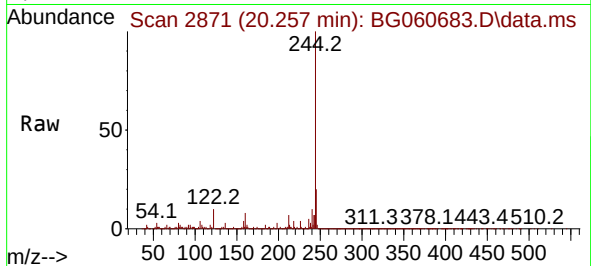




#79
 Terphenyl-d14
 Concen: 55.890 ng
 RT: 20.257 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

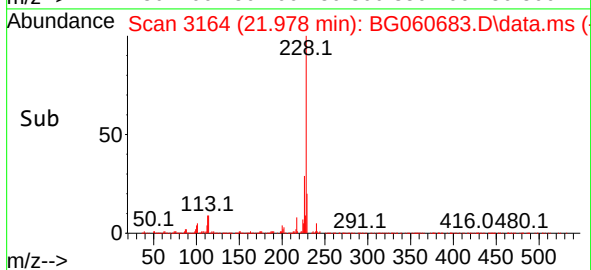
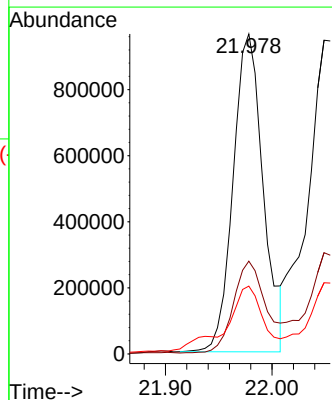
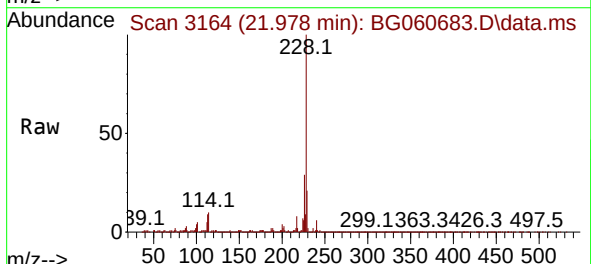
Instrument :
 BNA_G
 ClientSampleId :
 72-11977

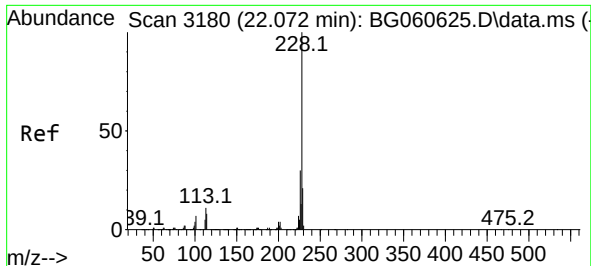
Tgt Ion:244 Resp: 1536657
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.6 9.8
 122 9.7 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 55.140 ng
 RT: 21.978 min Scan# 3164
 Delta R.T. 0.006 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

Tgt Ion:228 Resp: 1886782
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.8
 229 21.2 15.8 23.6

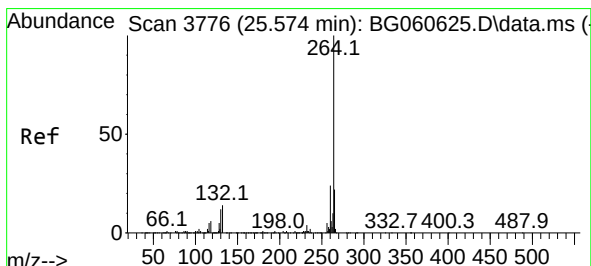
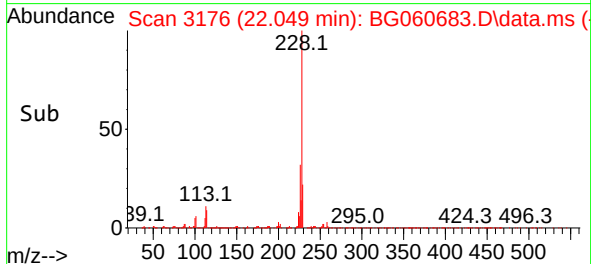
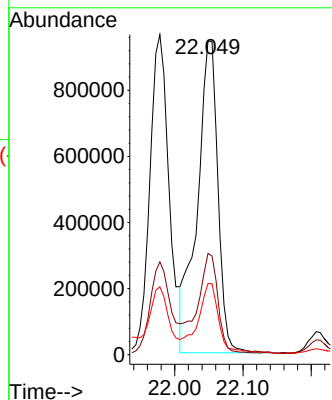
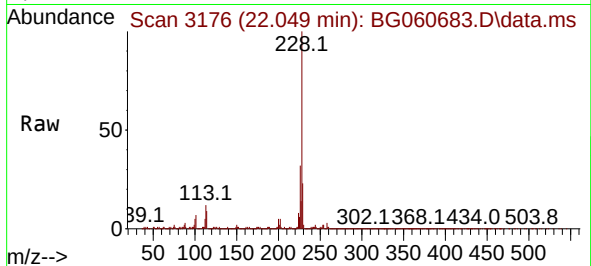




#83
Chrysene
Concen: 60.117 ng
RT: 22.049 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

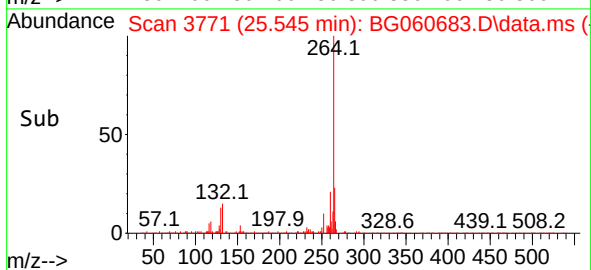
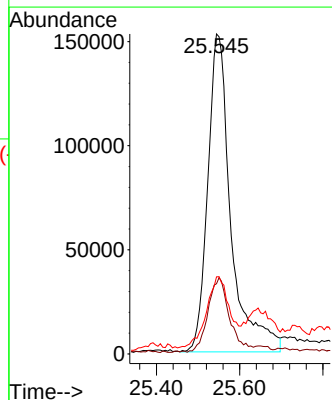
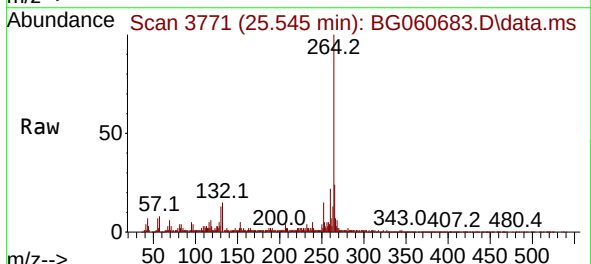
Instrument :
BNA_G
ClientSampleId :
72-11977

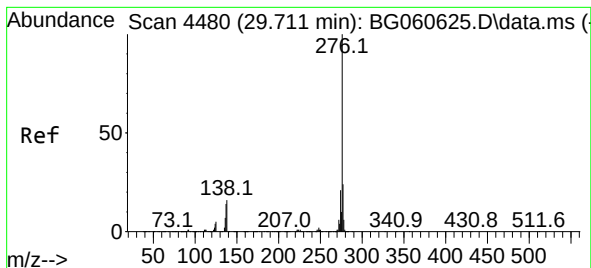
Tgt Ion:228 Resp: 1997382
Ion Ratio Lower Upper
228 100
226 32.3 24.2 36.2
229 22.7 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.545 min Scan# 3771
Delta R.T. 0.018 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:264 Resp: 590987
Ion Ratio Lower Upper
264 100
260 22.0 19.4 29.2
265 24.1 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.605 ng

RT: 29.657 min Scan# 4480

Delta R.T. 0.024 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

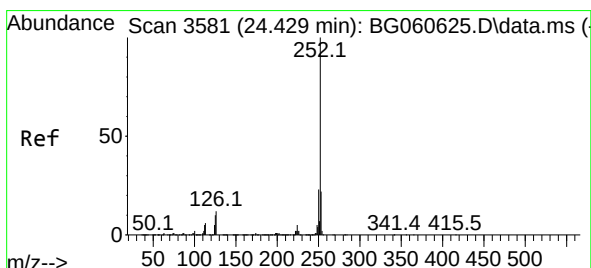
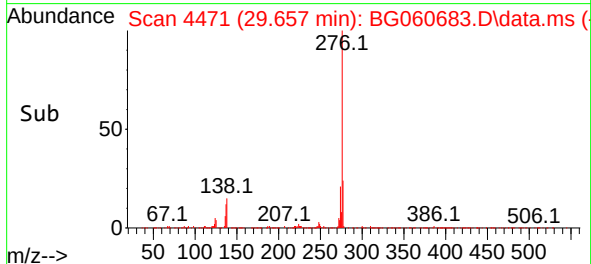
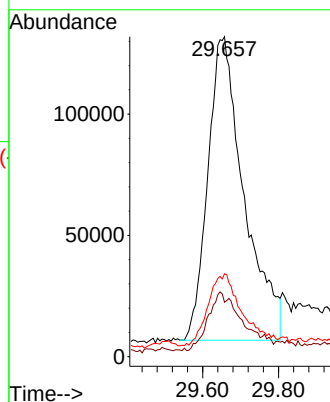
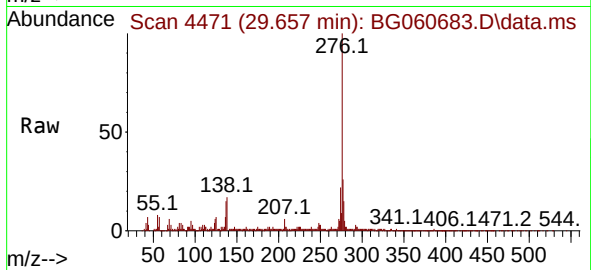
Tgt Ion:276 Resp: 830619

Ion Ratio Lower Upper

276 100

138 17.5 6.6 10.0#

277 22.6 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 78.906 ng

RT: 24.411 min Scan# 3578

Delta R.T. 0.024 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

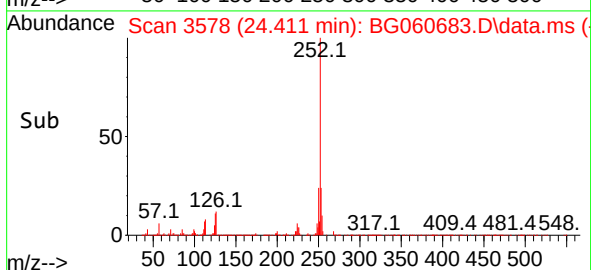
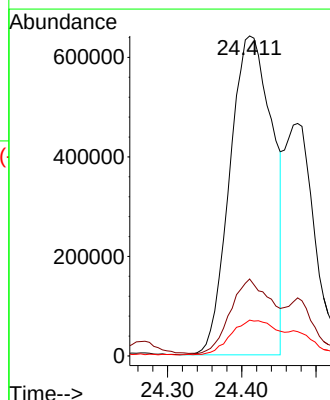
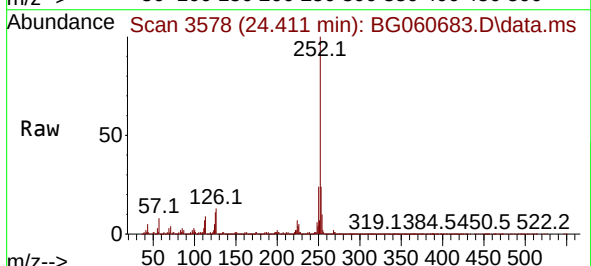
Tgt Ion:252 Resp: 2565431

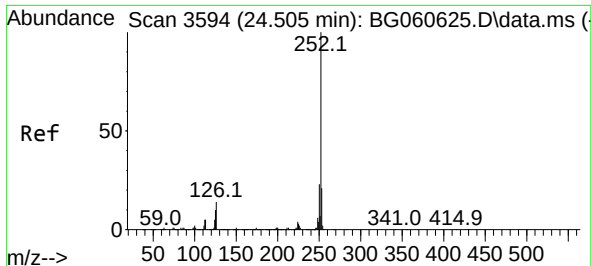
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 11.2 7.8 11.6

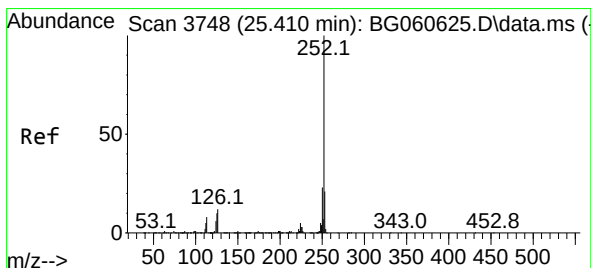
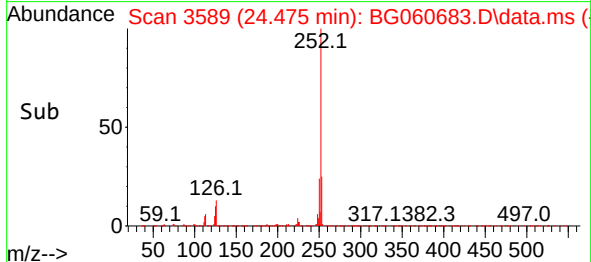
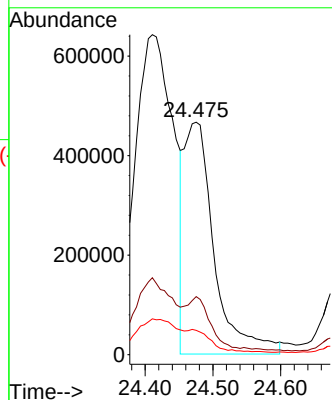
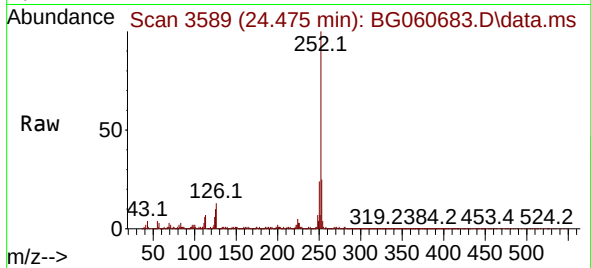




#89
Benzo(k)fluoranthene
Concen: 41.901 ng m
RT: 24.475 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

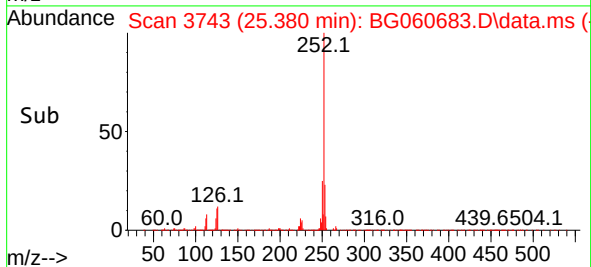
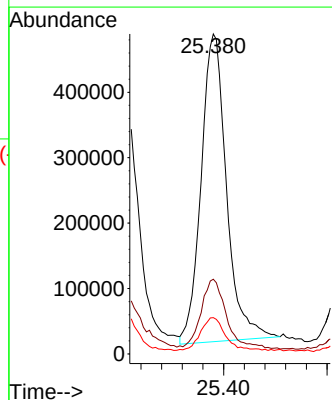
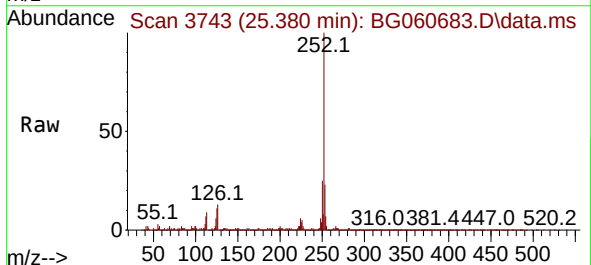
Instrument :
BNA_G
ClientSampleId :
72-11977

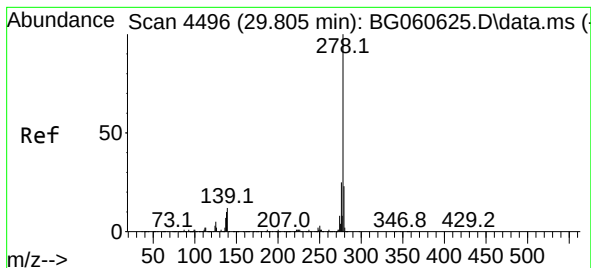
Tgt Ion:252 Resp: 1431190
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 10.5 8.0 12.0



#90
Benzo(a)pyrene
Concen: 50.300 ng
RT: 25.380 min Scan# 3743
Delta R.T. 0.024 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:252 Resp: 1603334
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 11.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 6.138 ng

RT: 29.722 min Scan# 4496

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

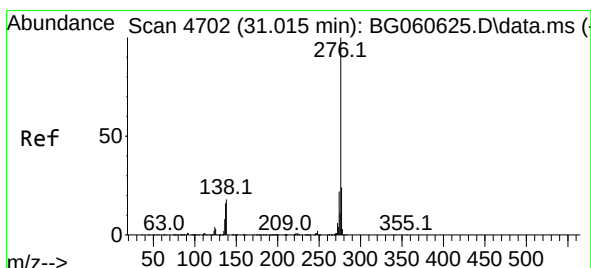
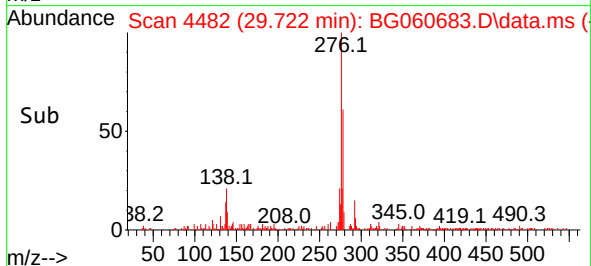
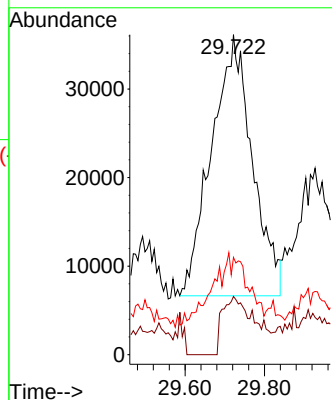
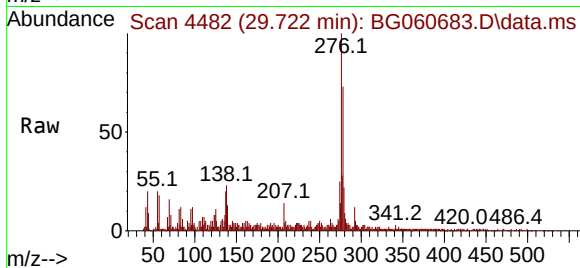
Tgt Ion:278 Resp: 210068

Ion Ratio Lower Upper

278 100

139 18.2 9.8 14.8#

279 30.4 18.4 27.6#



#92

Benzo(g,h,i)perylene

Concen: 23.292 ng m

RT: 30.944 min Scan# 4690

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Tgt Ion:276 Resp: 771740

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.4

138 21.2 14.4 21.6

