

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011024\
 Data File : BG060300.D
 Acq On : 10 Jan 2024 14:16
 Operator : MA/JU
 Sample : P1086-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 215

Quant Time: Jan 10 14:50:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

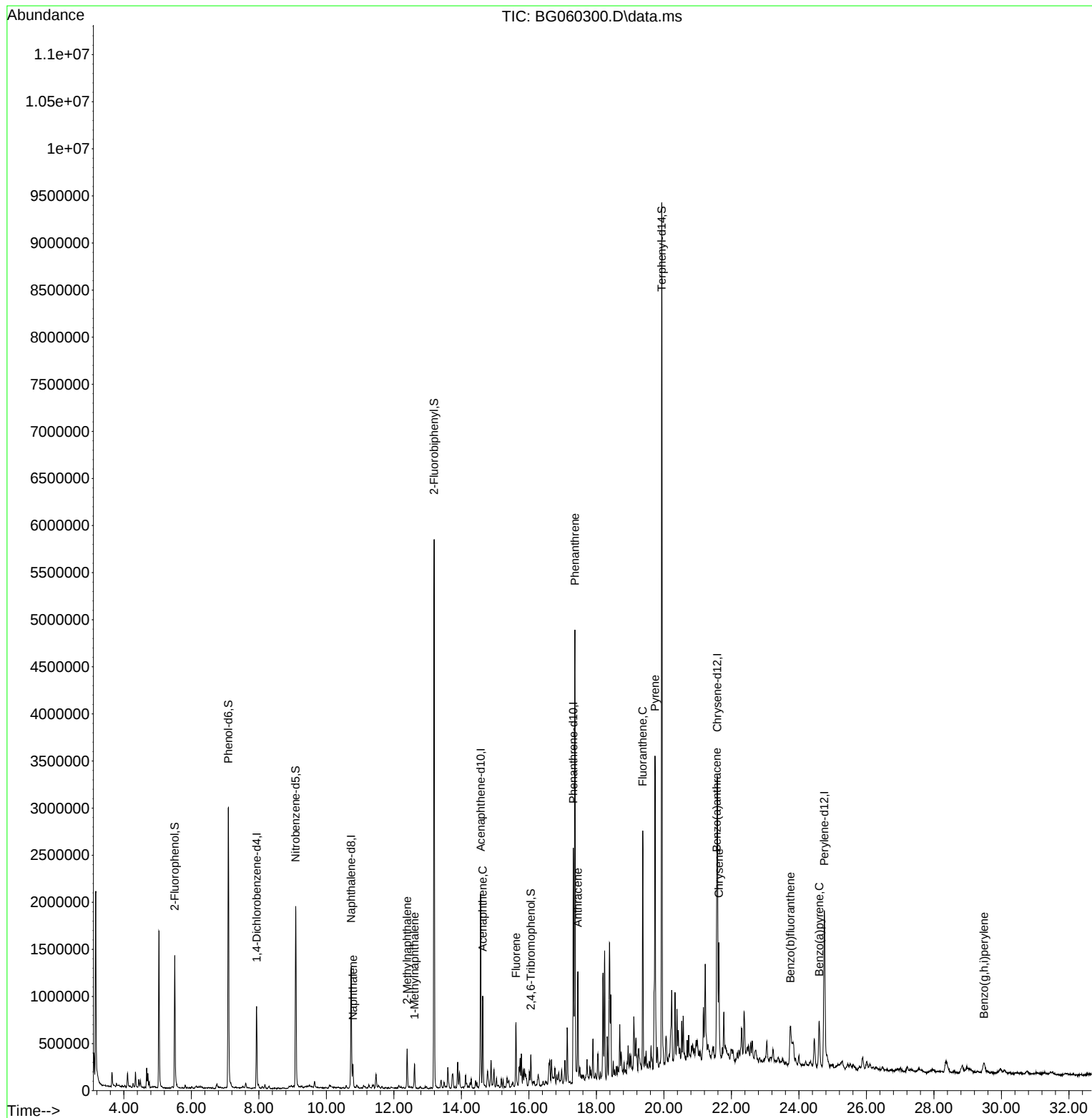
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	280799	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	1146330	20.000	ng	0.00
39) Acenaphthene-d10	14.572	164	749586	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	1689983	20.000	ng	0.00
76) Chrysene-d12	21.581	240	1621763	20.000	ng	0.00
86) Perylene-d12	24.754	264	1818804	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.506	112	715674	41.921	ng	0.00
7) Phenol-d6	7.092	99	2141029	84.693	ng	0.00
23) Nitrobenzene-d5	9.090	82	1352505	55.713	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	58867	5.338	ng	0.00
45) 2-Fluorobiphenyl	13.191	172	3278916	60.817	ng	0.00
79) Terphenyl-d14	19.936	244	4503995	63.735	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.788	128	202409	3.368	ng	98
37) 2-Methylnaphthalene	12.392	142	206464	4.633	ng	96
38) 1-Methylnaphthalene	12.609	142	125814	2.811	ng	97
52) Acenaphthene	14.630	154	357186	8.594	ng	99
58) Fluorene	15.618	166	316816	5.514	ng	99
71) Phenanthrene	17.363	178	3139521	38.434	ng	97
72) Anthracene	17.451	178	772618	9.474	ng	95
75) Fluoranthene	19.372	202	1547989	15.778	ng	91
78) Pyrene	19.736	202	2273311	21.951	ng	# 88
81) Benzo(a)anthracene	21.563	228	843395	8.400	ng	90
83) Chrysene	21.628	228	811256	8.216	ng	# 90
88) Benzo(b)fluoranthene	23.749	252	621065	5.780	ng	97
90) Benzo(a)pyrene	24.601	252	560500	5.775	ng	99
92) Benzo(g,h,i)perylene	29.484	276	244601	2.311	ng	# 90

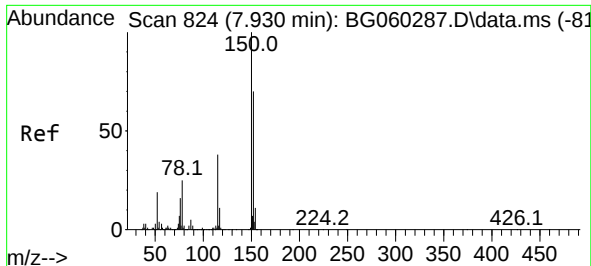
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011024\
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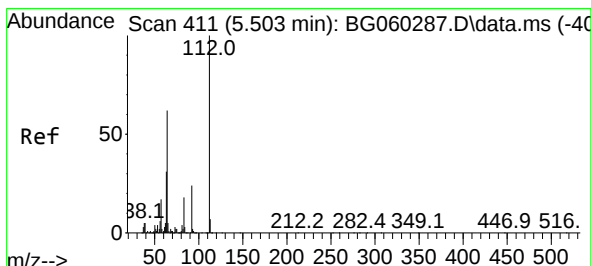
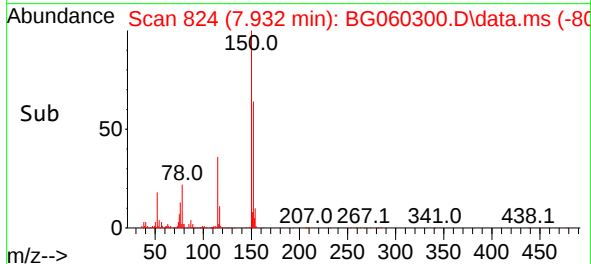
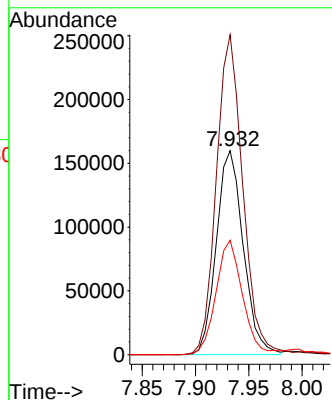
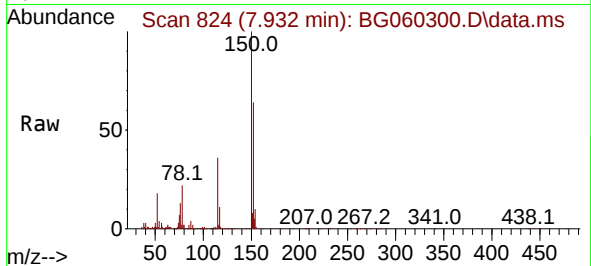




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.932 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

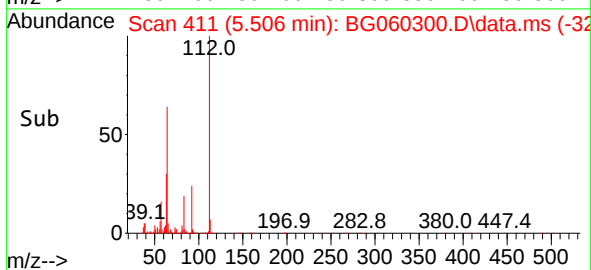
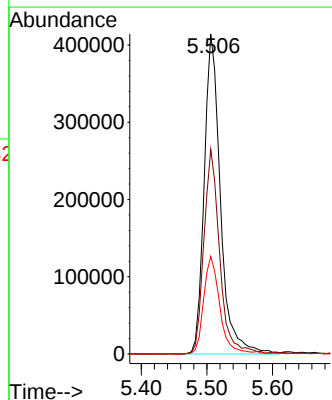
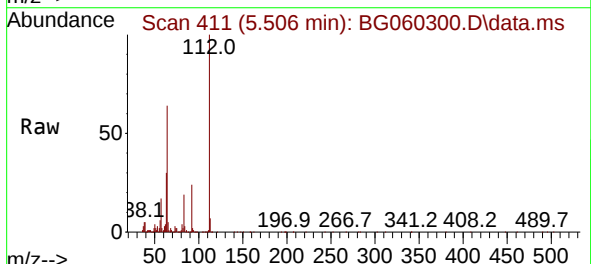
Instrument :
BNA_G
ClientSampleId :
215

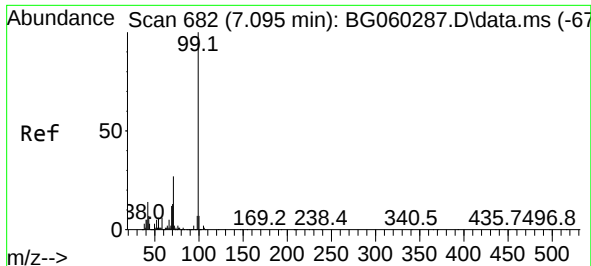
Tgt Ion:152 Resp: 280799
Ion Ratio Lower Upper
152 100
150 156.9 114.5 171.7
115 56.1 43.0 64.6



#5
2-Fluorophenol
Concen: 41.921 ng
RT: 5.506 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:112 Resp: 715674
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.6
63 30.5 24.4 36.6



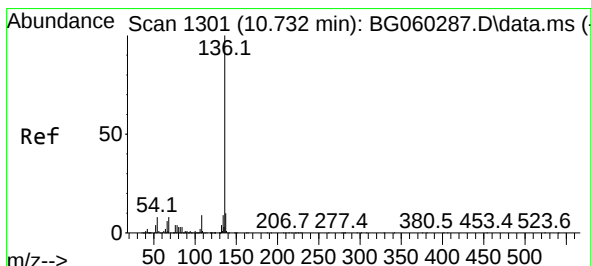
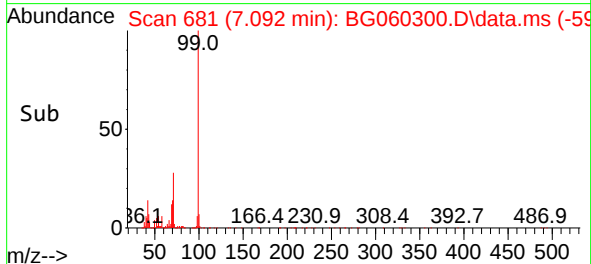
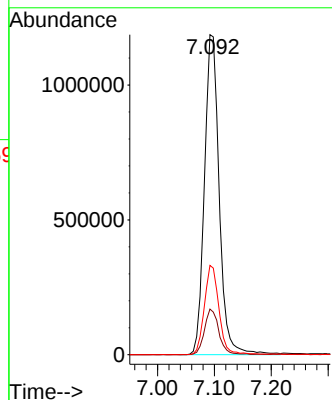
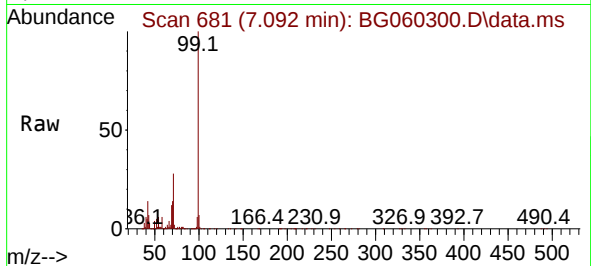


#7
Phenol-d6
Concen: 84.693 ng
RT: 7.092 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Instrument :
BNA_G
ClientSampleId :
215

Tgt Ion: 99 Resp: 2141029

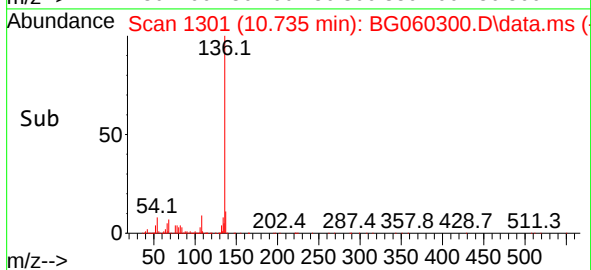
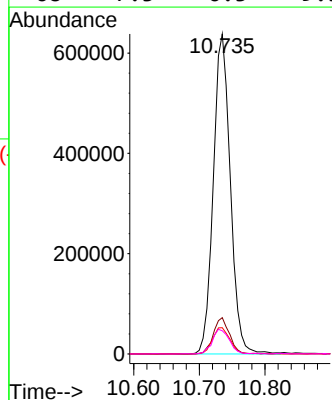
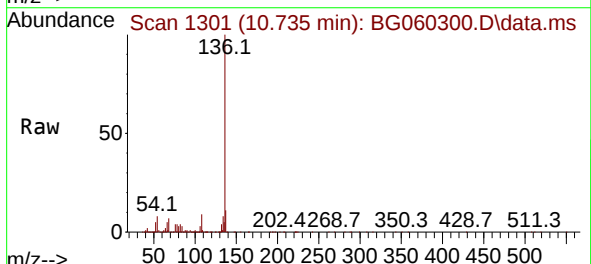
Ion	Ratio	Lower	Upper
99	100		
42	14.3	10.9	16.3
71	27.9	21.5	32.3

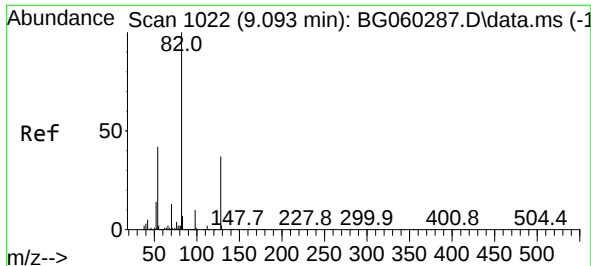


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1301
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion: 136 Resp: 1146330

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	8.2	6.2	9.2
68	7.3	6.3	9.5

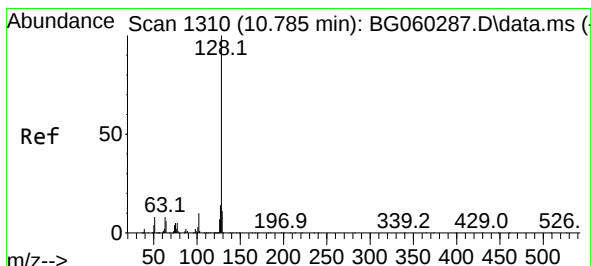
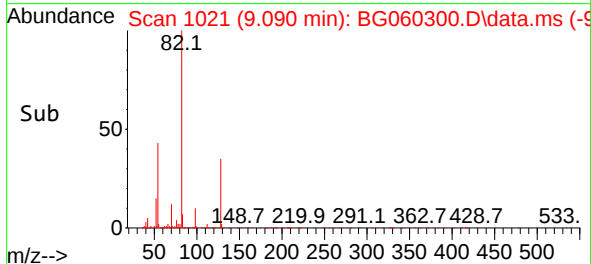
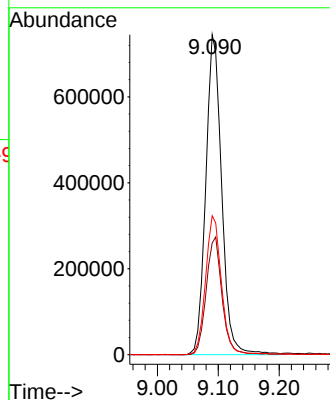
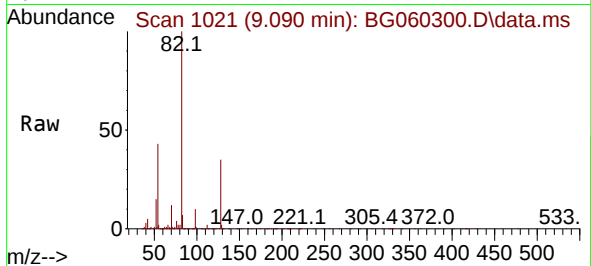




#23
Nitrobenzene-d5
Concen: 55.713 ng
RT: 9.090 min Scan# 1022
Delta R.T. -0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

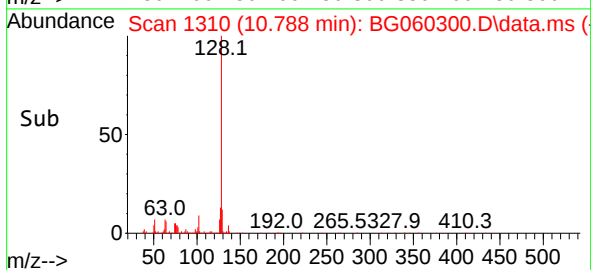
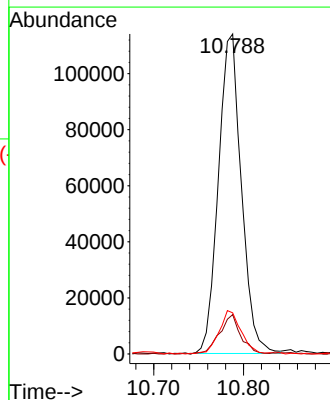
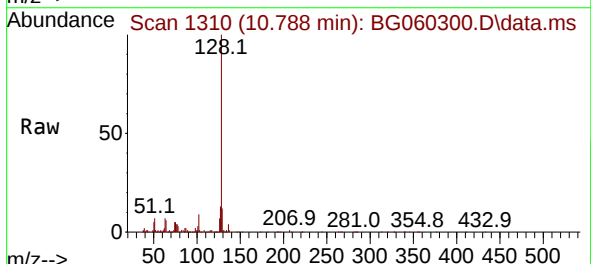
Instrument :
BNA_G
ClientSampleId :
215

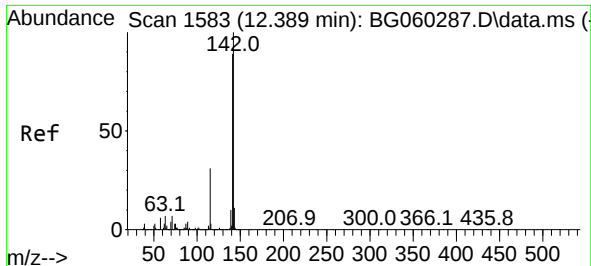
Tgt Ion: 82 Resp: 1352505
Ion Ratio Lower Upper
82 100
128 34.9 29.6 44.4
54 43.4 33.6 50.4



#31
Naphthalene
Concen: 3.368 ng
RT: 10.788 min Scan# 1310
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:128 Resp: 202409
Ion Ratio Lower Upper
128 100
129 12.3 8.9 13.3
127 12.9 10.9 16.3

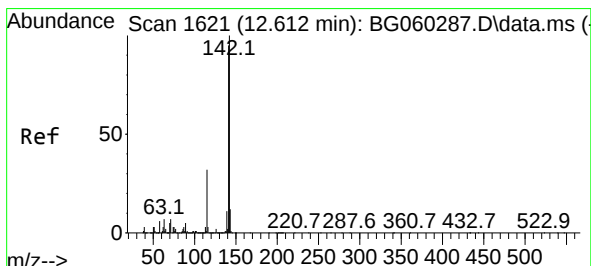
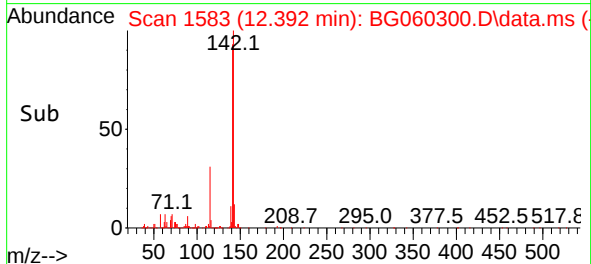
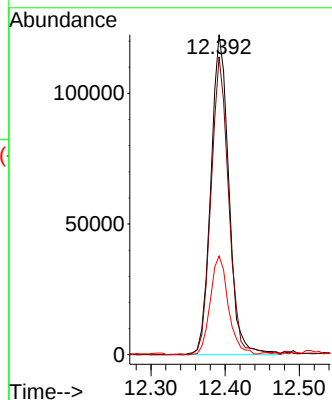
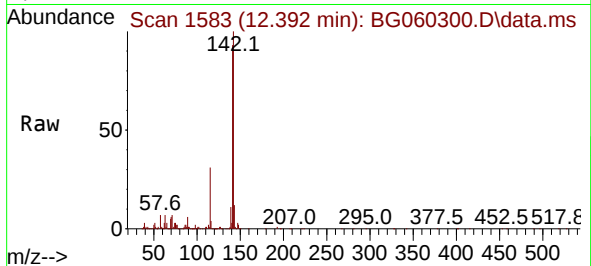




#37
2-Methylnaphthalene
Concen: 4.633 ng
RT: 12.392 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

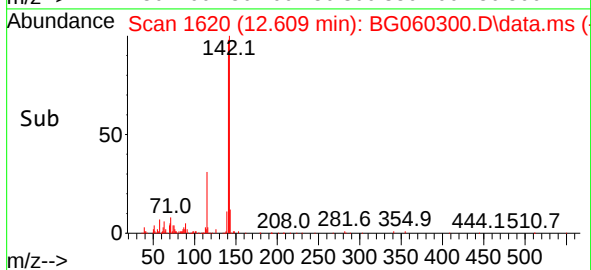
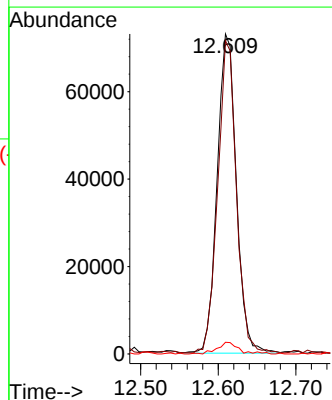
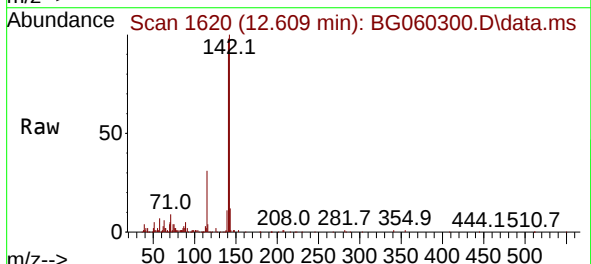
Instrument :
BNA_G
ClientSampleId :
215

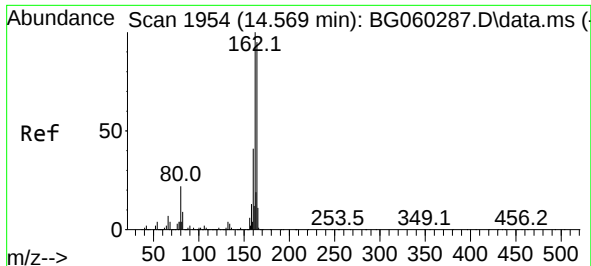
Tgt Ion:142 Resp: 206464
Ion Ratio Lower Upper
142 100
141 93.1 71.0 106.4
115 30.9 24.7 37.1



#38
1-Methylnaphthalene
Concen: 2.811 ng
RT: 12.609 min Scan# 1620
Delta R.T. -0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:142 Resp: 125814
Ion Ratio Lower Upper
142 100
141 97.9 76.2 114.2
116 3.7 2.6 3.8

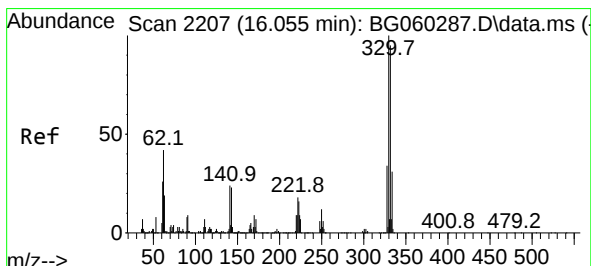
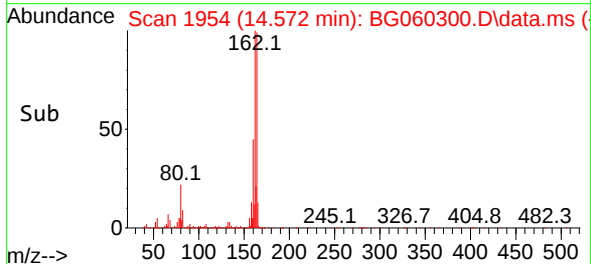
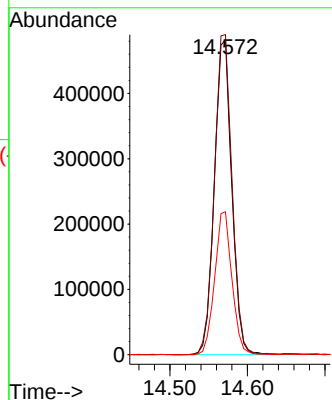
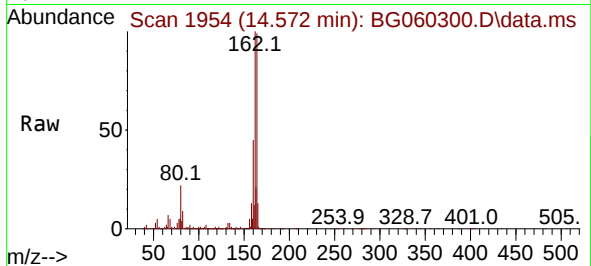




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.572 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

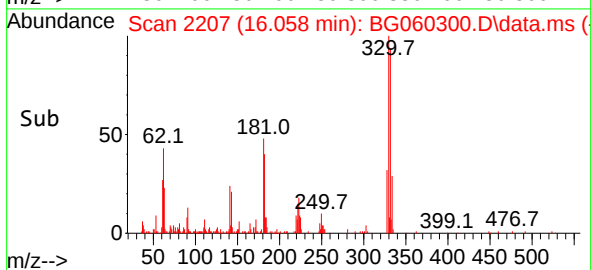
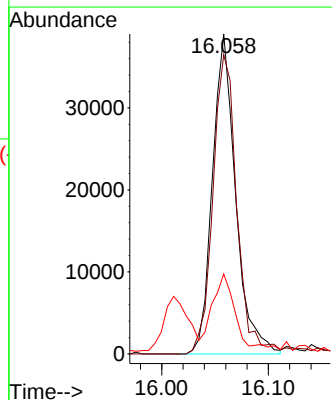
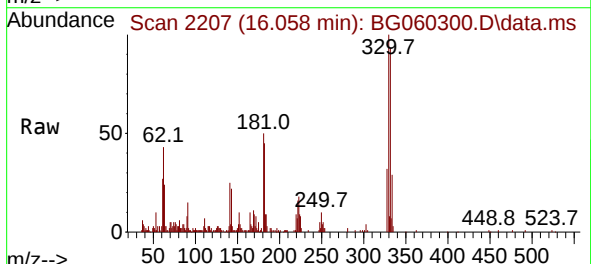
Instrument :
BNA_G
ClientSampleId :
215

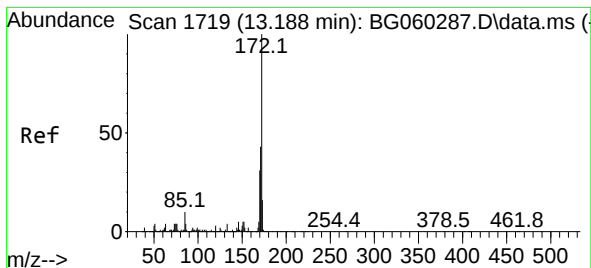
Tgt Ion:164 Resp: 749586
Ion Ratio Lower Upper
164 100
162 101.5 84.4 126.6
160 45.3 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 5.338 ng
RT: 16.058 min Scan# 2207
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:330 Resp: 58867
Ion Ratio Lower Upper
330 100
332 98.1 76.7 115.1
141 24.0 18.6 28.0





#45

2-Fluorobiphenyl

Concen: 60.817 ng

RT: 13.191 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Instrument :

BNA_G

ClientSampleId :

215

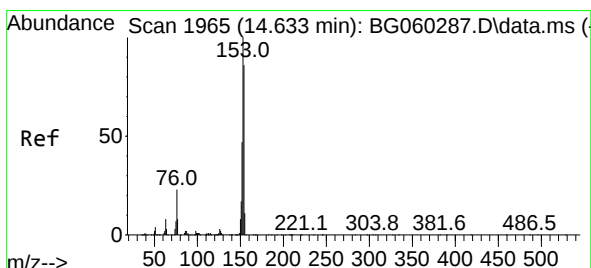
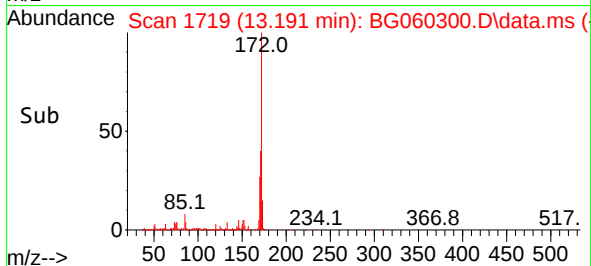
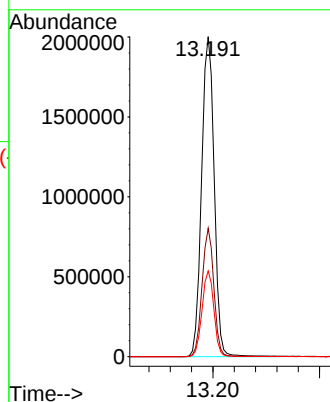
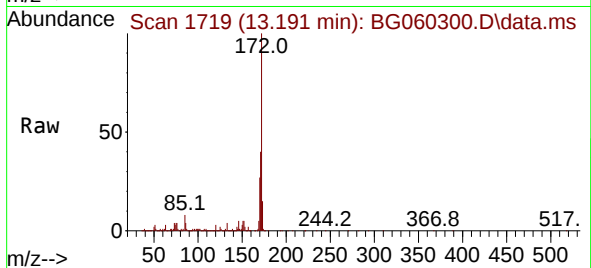
Tgt Ion:172 Resp: 3278916

Ion Ratio Lower Upper

172 100

171 40.2 34.6 51.8

170 26.8 24.4 36.6



#52

Acenaphthene

Concen: 8.594 ng

RT: 14.630 min Scan# 1964

Delta R.T. -0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

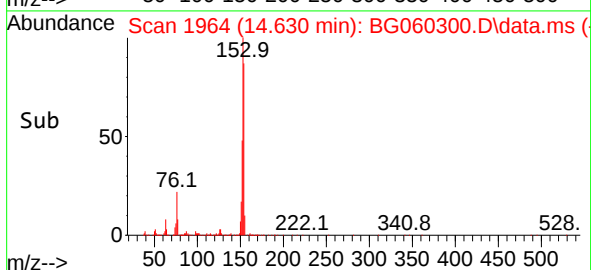
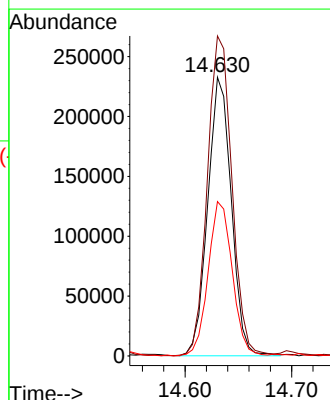
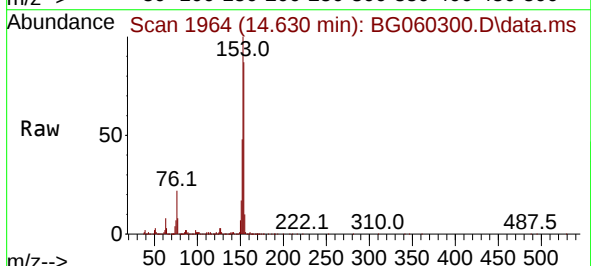
Tgt Ion:154 Resp: 357186

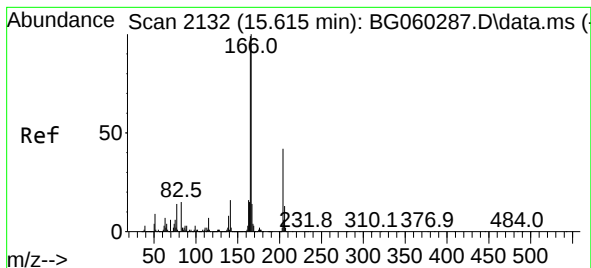
Ion Ratio Lower Upper

154 100

153 114.8 92.6 138.8

152 55.4 43.8 65.8





#58

Fluorene

Concen: 5.514 ng

RT: 15.618 min Scan# 2132

Delta R.T. 0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Instrument :

BNA_G

ClientSampleId :

215

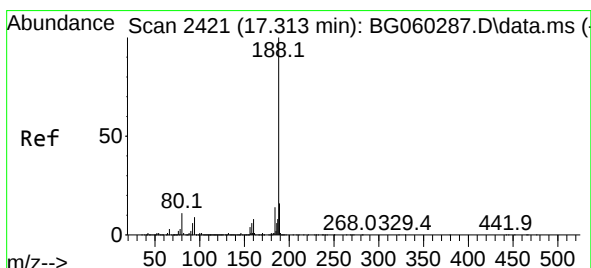
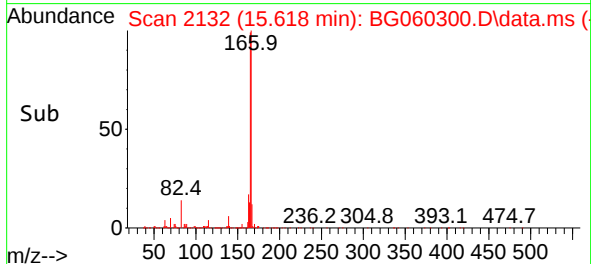
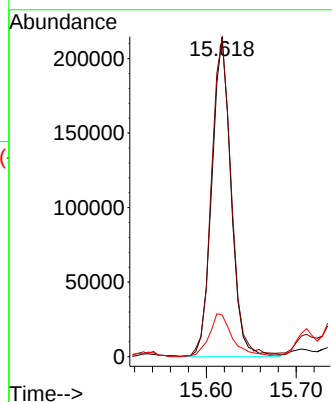
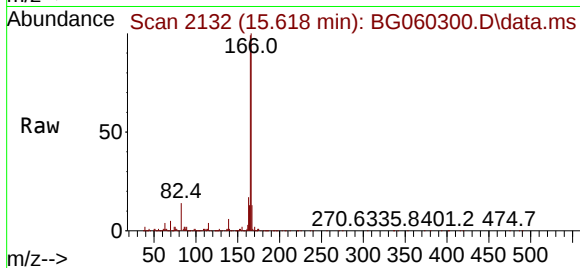
Tgt Ion:166 Resp: 316816

Ion Ratio Lower Upper

166 100

165 99.3 79.0 118.6

167 13.0 11.4 17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.316 min Scan# 2421

Delta R.T. 0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

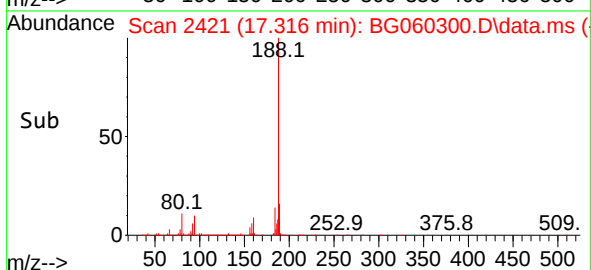
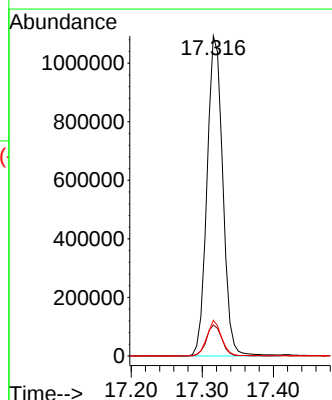
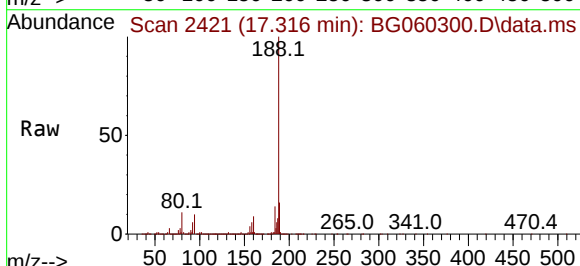
Tgt Ion:188 Resp: 1689983

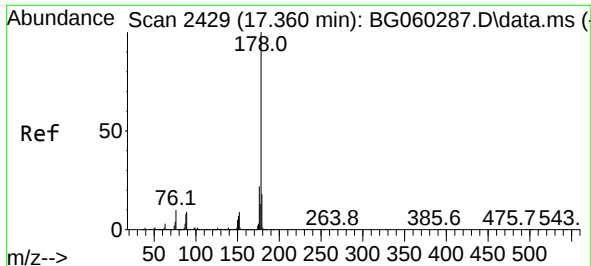
Ion Ratio Lower Upper

188 100

94 9.7 7.1 10.7

80 11.1 8.5 12.7

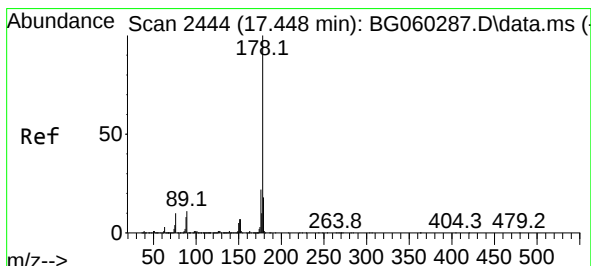
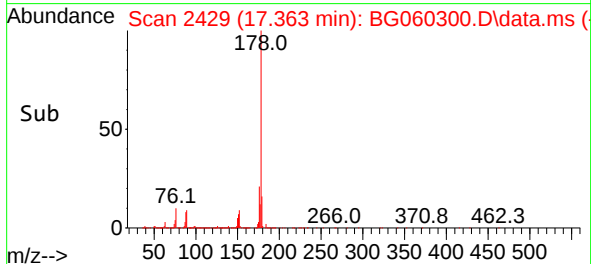
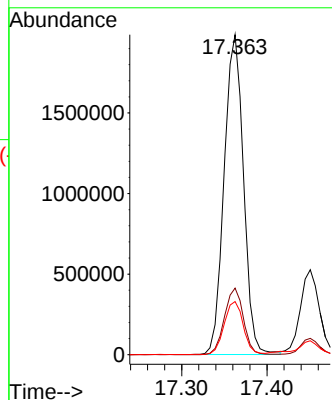
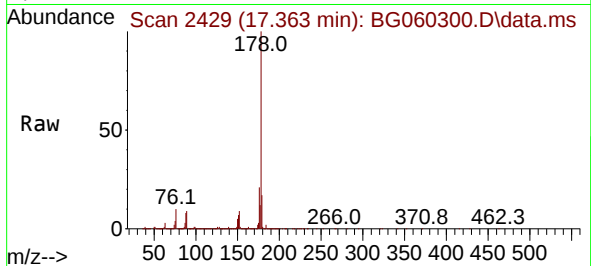




#71
Phenanthrene
Concen: 38.434 ng
RT: 17.363 min Scan# 2429
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

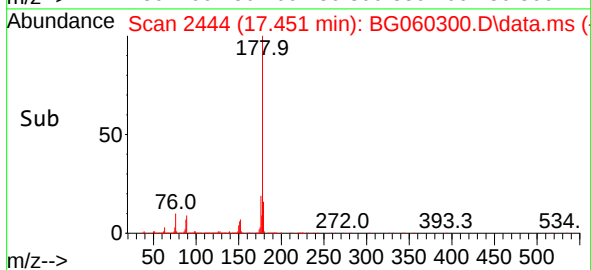
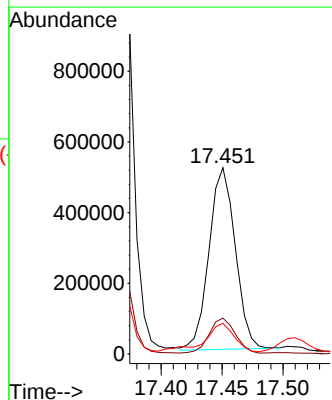
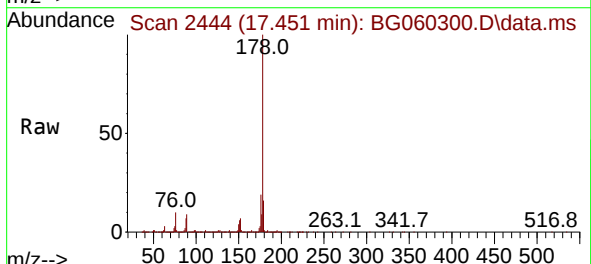
Instrument :
BNA_G
ClientSampleId :
215

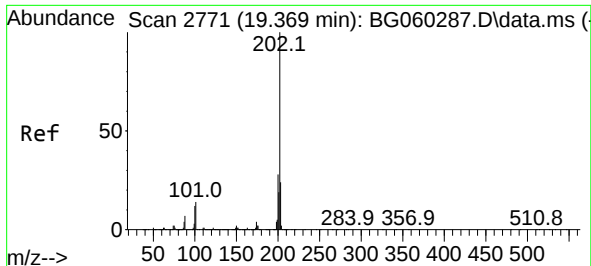
Tgt Ion:178 Resp: 3139521
Ion Ratio Lower Upper
178 100
176 20.8 17.4 26.2
179 16.6 14.7 22.1



#72
Anthracene
Concen: 9.474 ng
RT: 17.451 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:178 Resp: 772618
Ion Ratio Lower Upper
178 100
176 19.2 17.8 26.6
179 16.4 14.1 21.1

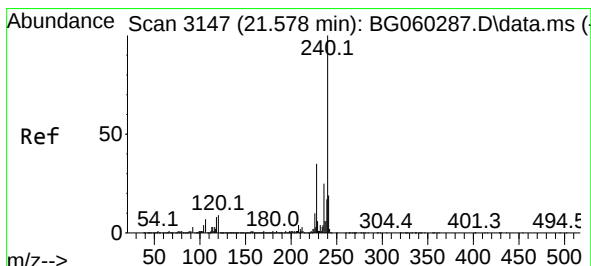
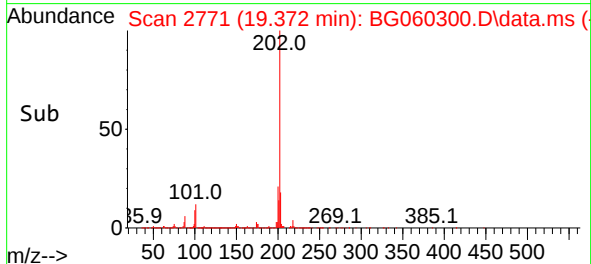
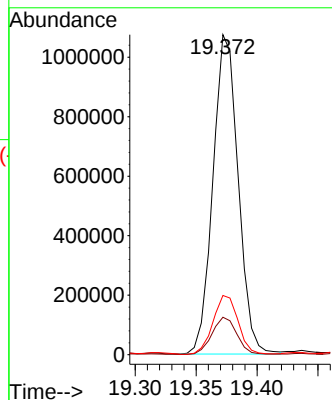
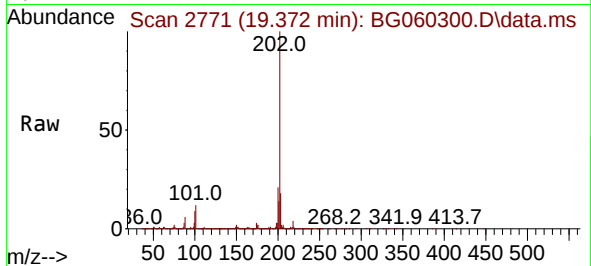




#75
Fluoranthene
Concen: 15.778 ng
RT: 19.372 min Scan# 215
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

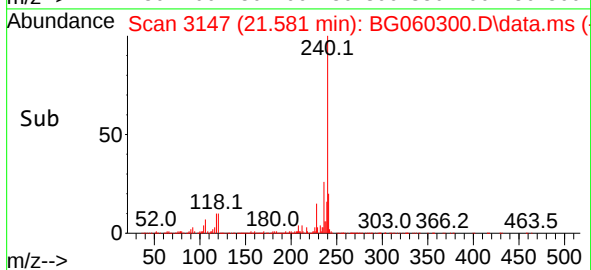
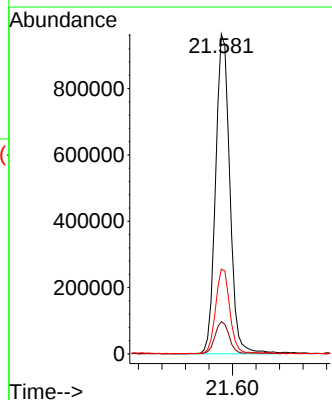
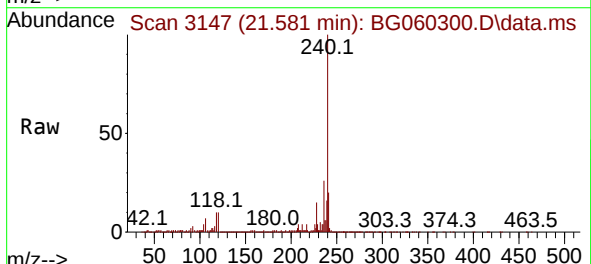
Instrument :
BNA_G
ClientSampleId :
215

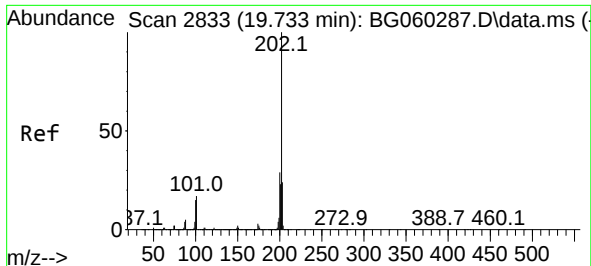
Tgt Ion:202 Resp: 1547989
Ion Ratio Lower Upper
202 100
101 11.7 0.0 34.4
203 18.5 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.581 min Scan# 3147
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:240 Resp: 1621763
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 26.5 20.3 30.5

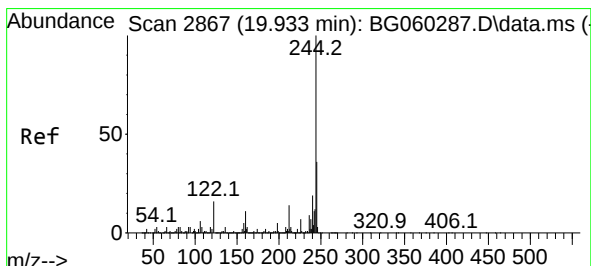
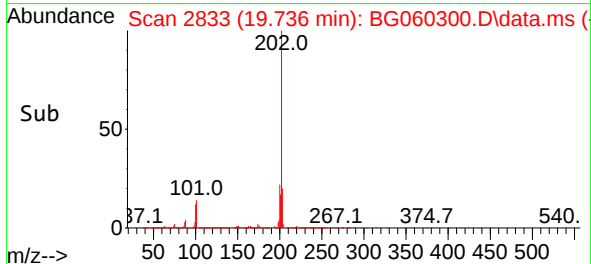
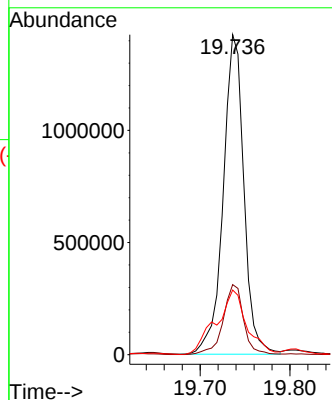
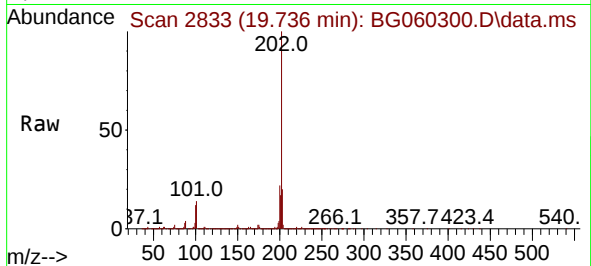




#78
Pyrene
Concen: 21.951 ng
RT: 19.736 min Scan# 215
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

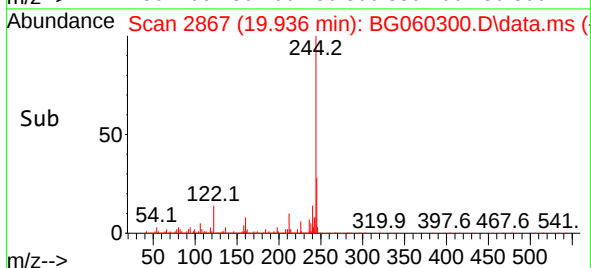
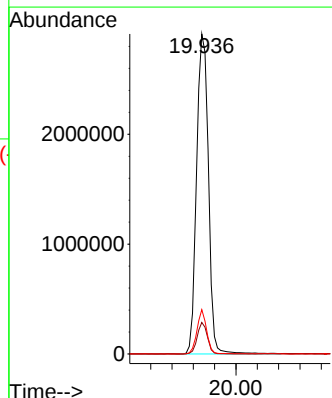
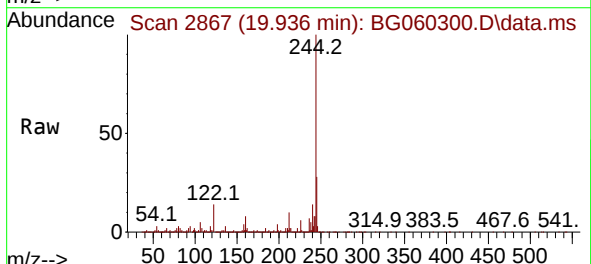
Instrument :
BNA_G
ClientSampleId :
215

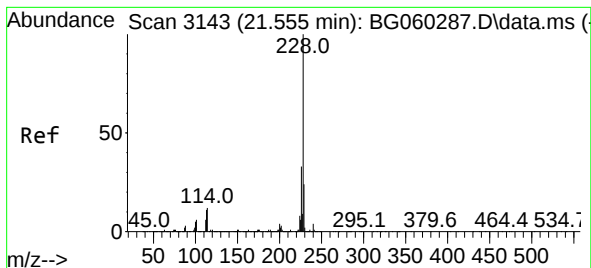
Tgt Ion:202 Resp: 2273311
Ion Ratio Lower Upper
202 100
200 21.9 23.5 35.3#
203 20.2 19.6 29.4



#79
Terphenyl-d14
Concen: 63.735 ng
RT: 19.936 min Scan# 2867
Delta R.T. 0.003 min
Lab File: BG060300.D
Acq: 10 Jan 2024 14:16

Tgt Ion:244 Resp: 4503995
Ion Ratio Lower Upper
244 100
212 9.8 10.9 16.3#
122 13.8 12.6 18.8





#81

Benzo(a)anthracene

Concen: 8.400 ng

RT: 21.563 min Scan# 3144

Delta R.T. 0.009 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Instrument :

BNA_G

ClientSampleId :

215

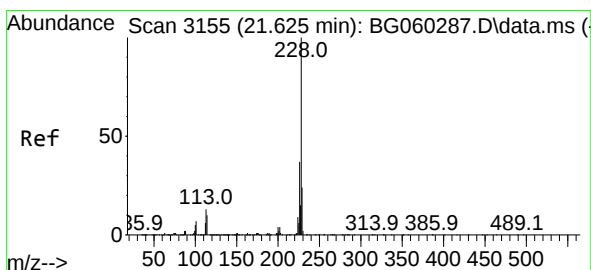
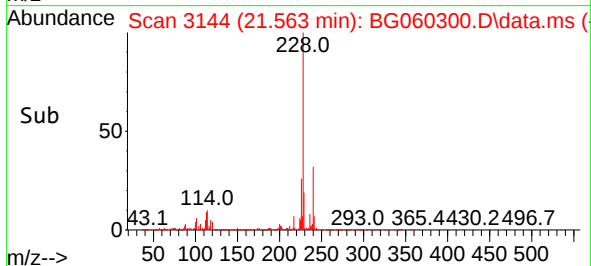
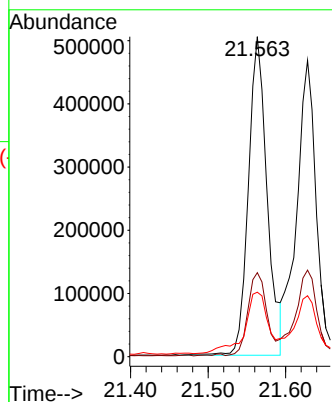
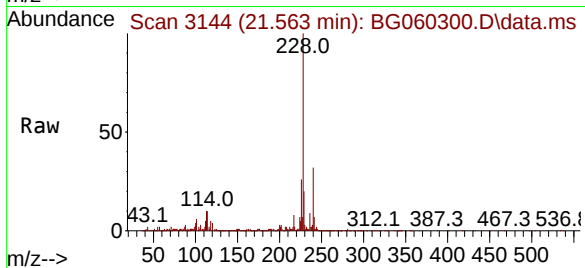
Tgt Ion:228 Resp: 843395

Ion Ratio Lower Upper

228 100

226 26.2 26.2 39.2

229 20.2 19.4 29.2



#83

Chrysene

Concen: 8.216 ng

RT: 21.628 min Scan# 3155

Delta R.T. 0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

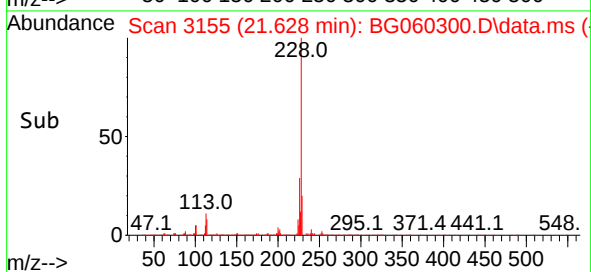
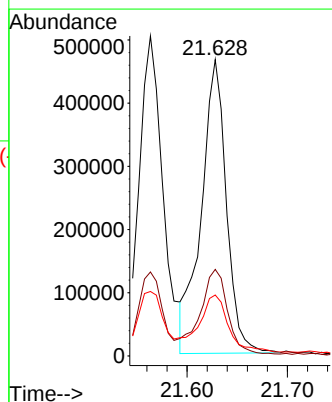
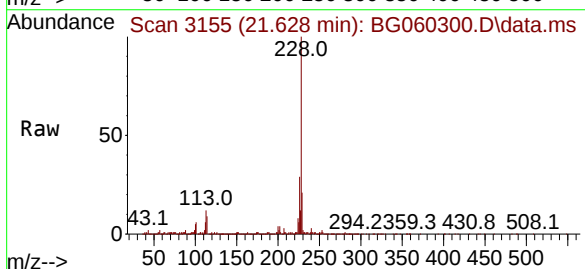
Tgt Ion:228 Resp: 811256

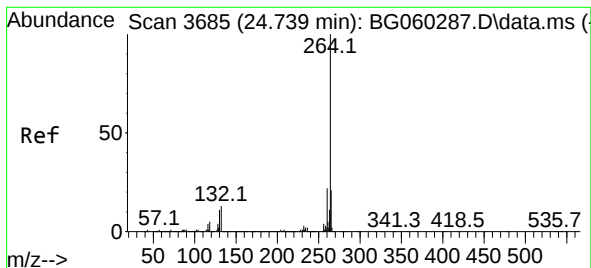
Ion Ratio Lower Upper

228 100

226 29.2 29.4 44.2#

229 20.6 19.2 28.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.754 min Scan# 3

Delta R.T. 0.015 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Instrument :

BNA_G

ClientSampleId :

215

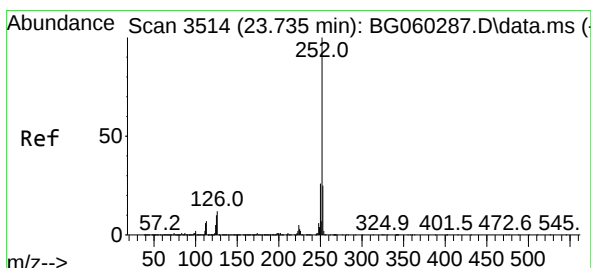
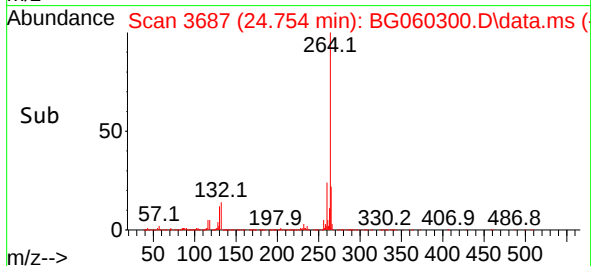
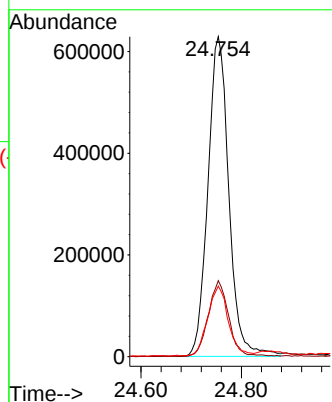
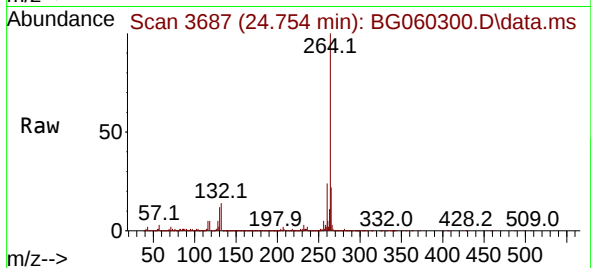
Tgt Ion:264 Resp: 1818804

Ion Ratio Lower Upper

264 100

260 23.7 17.8 26.6

265 22.1 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 5.780 ng

RT: 23.749 min Scan# 3516

Delta R.T. 0.015 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

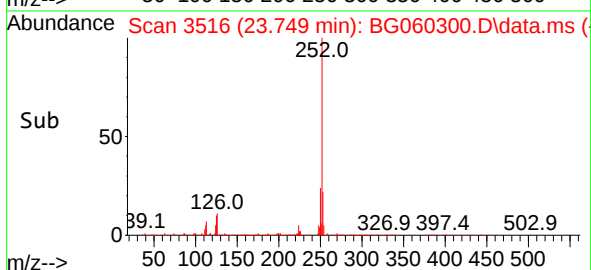
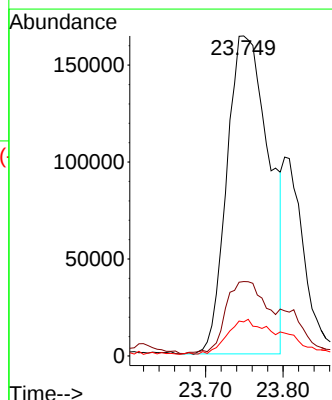
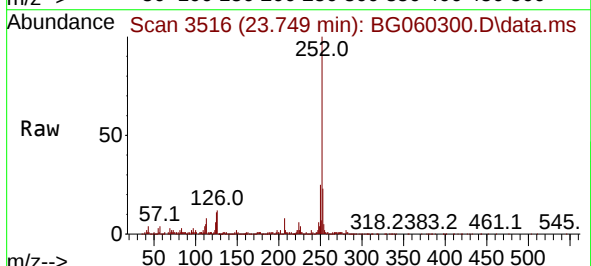
Tgt Ion:252 Resp: 621065

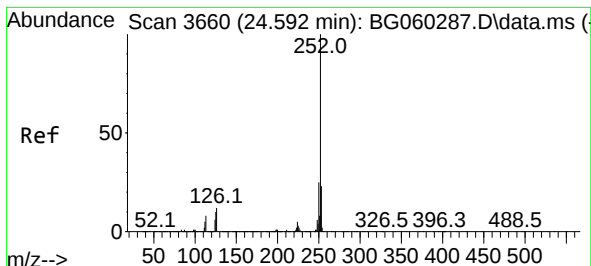
Ion Ratio Lower Upper

252 100

253 23.3 20.0 30.0

125 10.7 8.1 12.1





#90

Benzo(a)pyrene

Concen: 5.775 ng

RT: 24.601 min Scan# 3

Delta R.T. 0.009 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Instrument :

BNA_G

ClientSampleId :

215

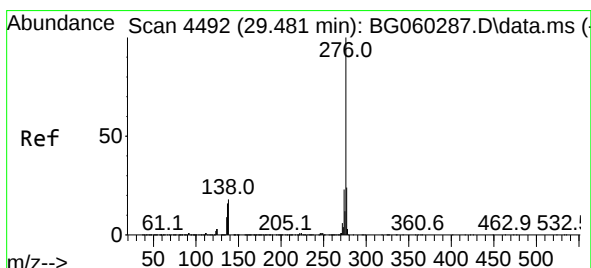
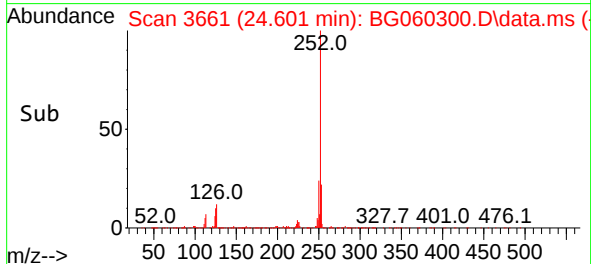
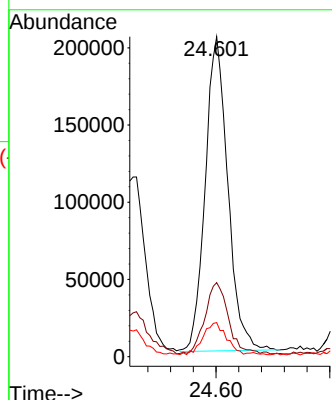
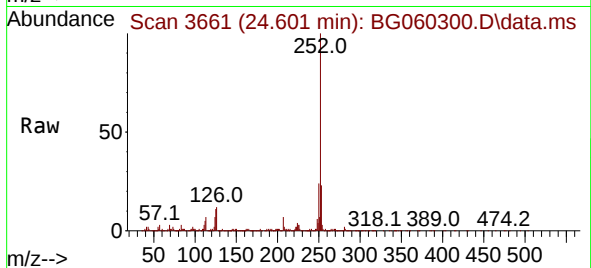
Tgt Ion:252 Resp: 560500

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 10.7 8.1 12.1



#92

Benzo(g,h,i)perylene

Concen: 2.311 ng

RT: 29.484 min Scan# 4492

Delta R.T. 0.003 min

Lab File: BG060300.D

Acq: 10 Jan 2024 14:16

Tgt Ion:276 Resp: 244601

Ion Ratio Lower Upper

276 100

277 28.8 19.4 29.0

138 22.6 14.2 21.4#

