

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032024\
 Data File : BG060696.D
 Acq On : 20 Mar 2024 17:58
 Operator : MA/JU
 Sample : P1801-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031924

Quant Time: Mar 20 19:01:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

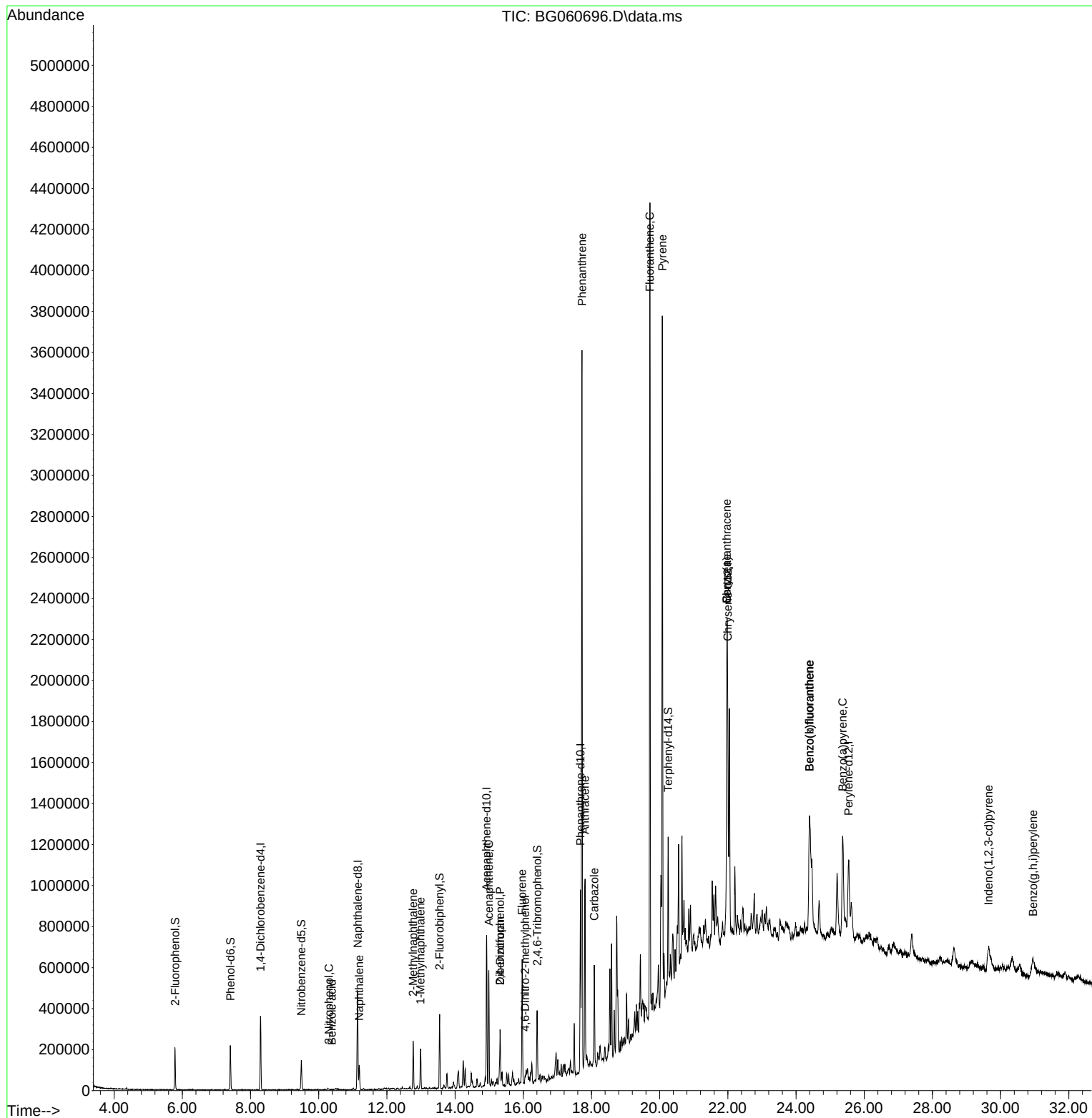
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	102700	20.000	ng	0.00
21) Naphthalene-d8	11.143	136	415958	20.000	ng	0.00
39) Acenaphthene-d10	14.927	164	263128	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	557359	20.000	ng	0.00
76) Chrysene-d12	21.995	240	532454	20.000	ng	0.00
86) Perylene-d12	25.544	264	628796	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	90084	13.789	ng	0.01
7) Phenol-d6	7.412	99	126499	13.348	ng	0.00
23) Nitrobenzene-d5	9.492	82	81969	10.256	ng	0.00
42) 2,4,6-Tribromophenol	16.407	330	51031	16.736	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	185539	9.534	ng	0.00
79) Terphenyl-d14	20.250	244	292425	9.927	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.297	139	55	2.252	ng	# 33
31) Naphthalene	11.190	128	94685	4.075	ng	96
32) Benzoic acid	10.385	122	55	6.031	ng	# 1
37) 2-Methylnaphthalene	12.771	142	105641	6.583	ng	97
38) 1-Methylnaphthalene	12.988	142	85115	5.651	ng	99
52) Acenaphthene	14.991	154	191756	13.050	ng	96
54) 2,4-Dinitrophenol	15.320	184	66	6.876	ng	# 1
55) Dibenzofuran	15.320	168	172992	7.271	ng	98
58) Fluorene	15.967	166	269679	14.167	ng	98
65) 4,6-Dinitro-2-methylph...	16.055	198	58	4.835	ng	# 1
71) Phenanthrene	17.724	178	2187600	72.863	ng	99
72) Anthracene	17.812	178	589658	19.424	ng	97
73) Carbazole	18.082	167	282150	10.689	ng	97
75) Fluoranthene	19.715	202	2506695	75.479	ng	99
78) Pyrene	20.080	202	2147628	57.797	ng	98
81) Benzo(a)anthracene	21.971	228	1014044	27.660	ng	98
83) Chrysene	21.971	228	1014044	28.486	ng	96
87) Indeno(1,2,3-cd)pyrene	29.645	276	288098	6.717	ng	# 80
88) Benzo(b)fluoranthene	24.392	252	910064	26.308	ng	# 92
89) Benzo(k)fluoranthene	24.392	252	910064	25.042	ng	# 92
90) Benzo(a)pyrene	25.368	252	701990	20.699	ng	# 91
92) Benzo(g,h,i)perylene	30.955	276	244388	6.932	ng	94

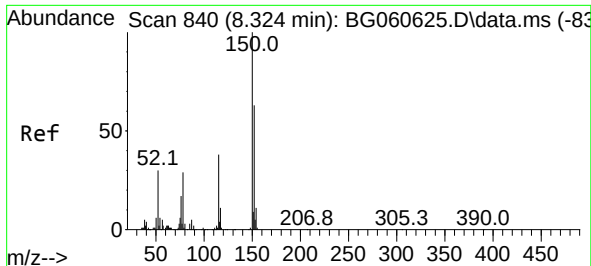
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 18 14:26:31 2024
Response via : Initial Calibration

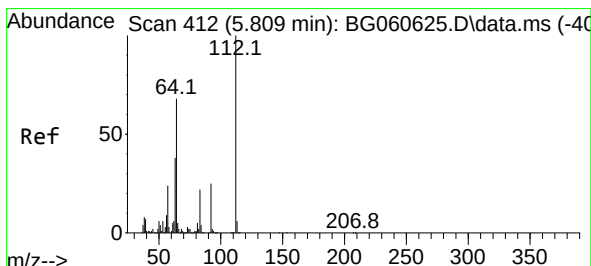
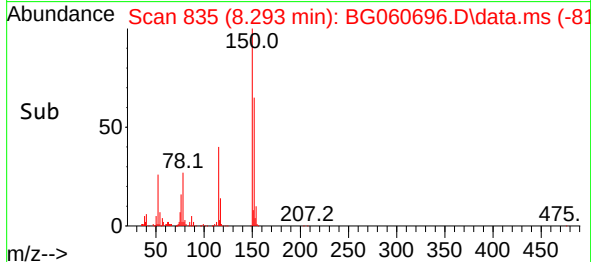
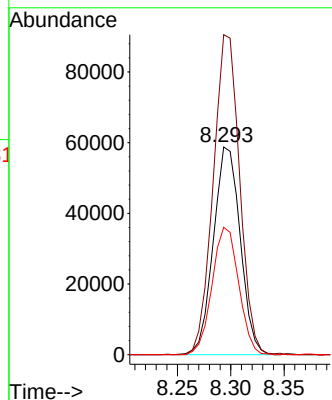
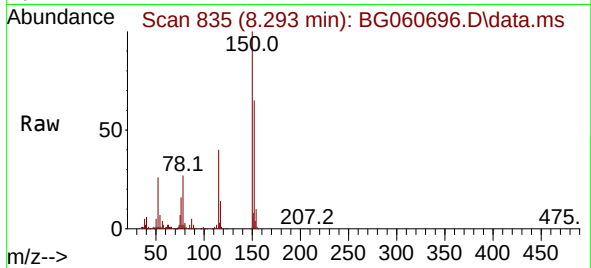




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.293 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

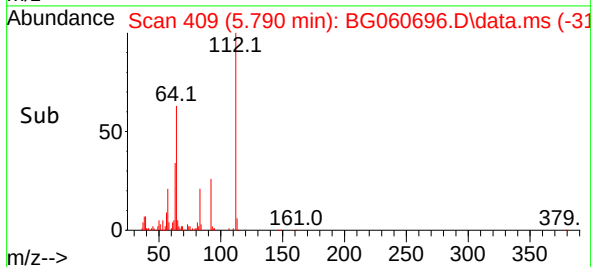
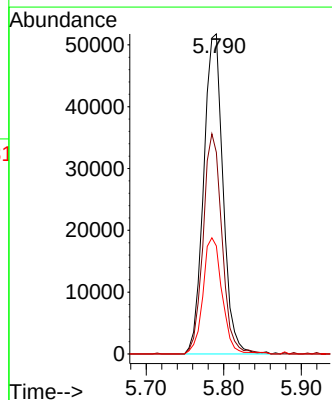
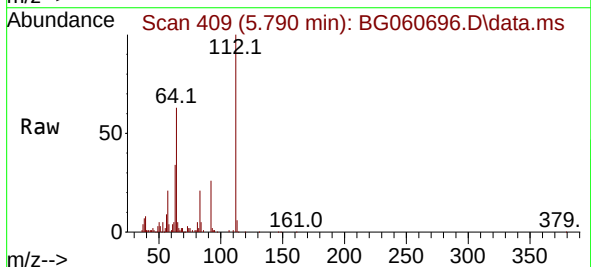
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

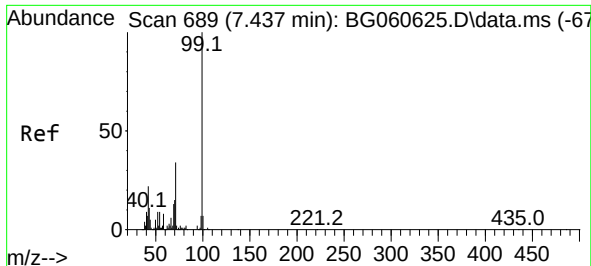
Tgt Ion:152 Resp: 102700
Ion Ratio Lower Upper
152 100
150 154.1 126.6 190.0
115 61.4 47.8 71.8



#5
2-Fluorophenol
Concen: 13.789 ng
RT: 5.790 min Scan# 409
Delta R.T. 0.011 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:112 Resp: 90084
Ion Ratio Lower Upper
112 100
64 63.0 54.1 81.1
63 33.8 30.3 45.5

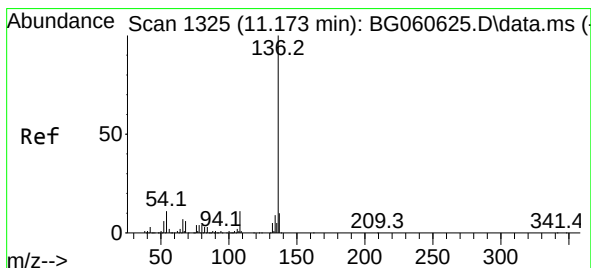
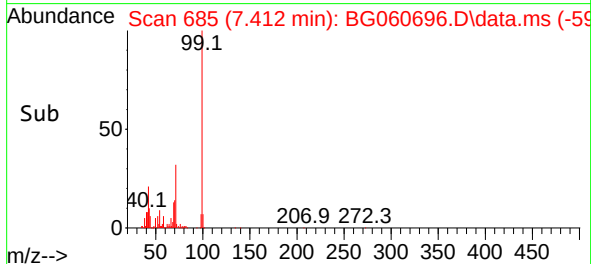
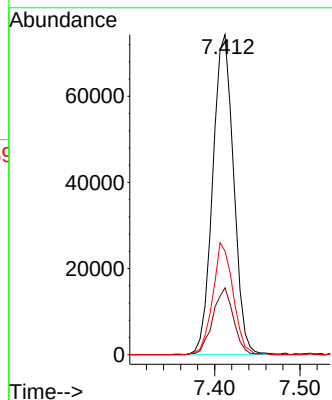
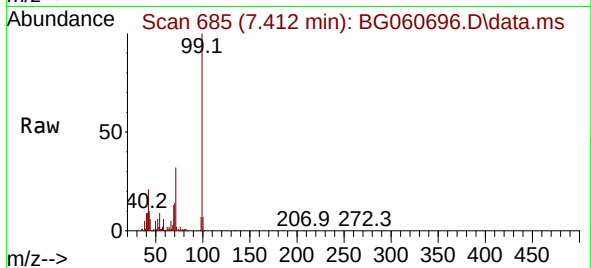




#7
Phenol-d6
Concen: 13.348 ng
RT: 7.412 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

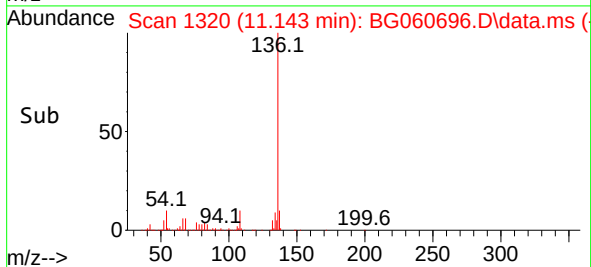
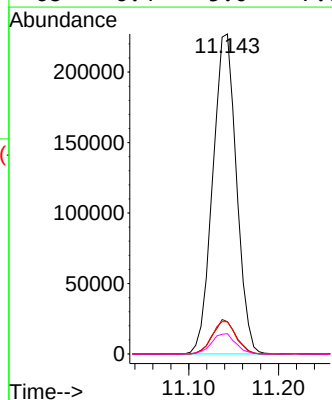
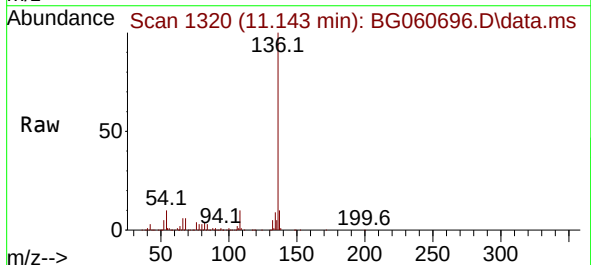
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

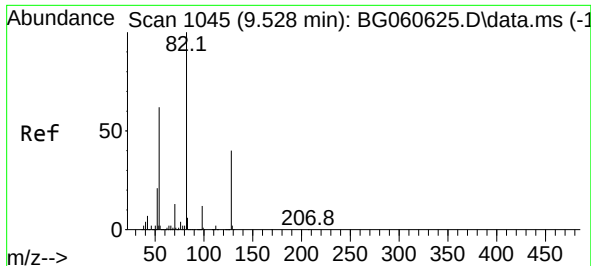
Tgt Ion: 99 Resp: 126499
Ion Ratio Lower Upper
99 100
42 20.9 17.5 26.3
71 32.4 27.4 41.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.143 min Scan# 1320
Delta R.T. 0.005 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:136 Resp: 415958
Ion Ratio Lower Upper
136 100
137 10.1 8.4 12.6
54 10.1 8.5 12.7
68 6.4 5.0 7.6

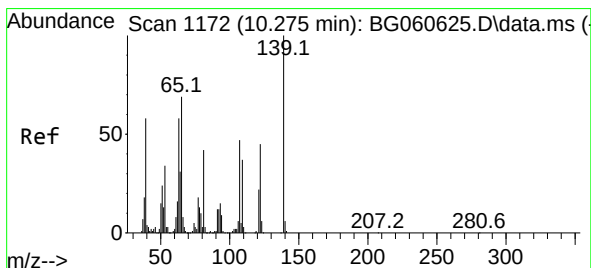
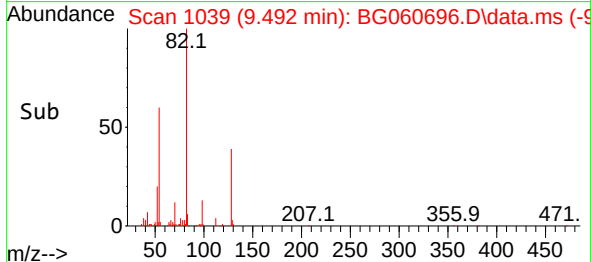
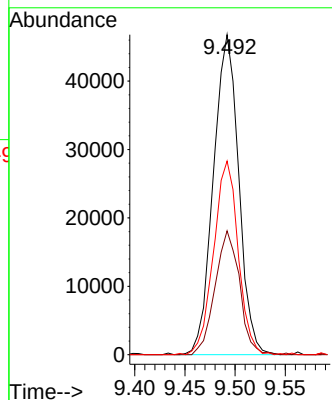
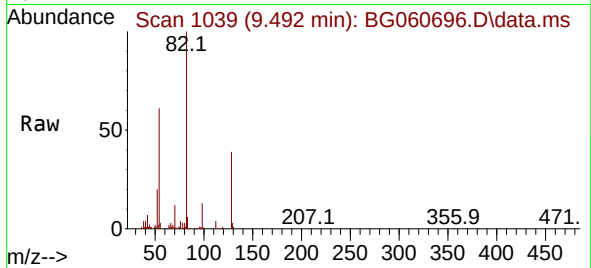




#23
Nitrobenzene-d5
Concen: 10.256 ng
RT: 9.492 min Scan# 1039
Delta R.T. -0.001 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

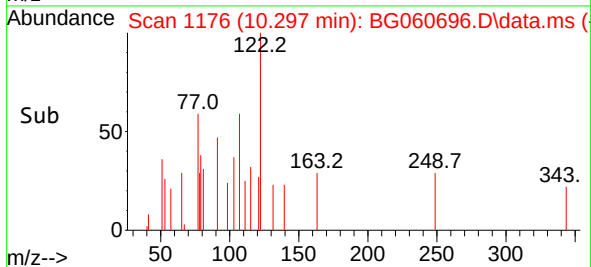
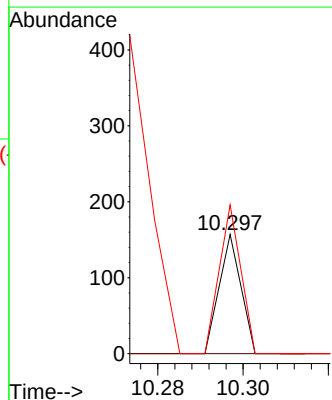
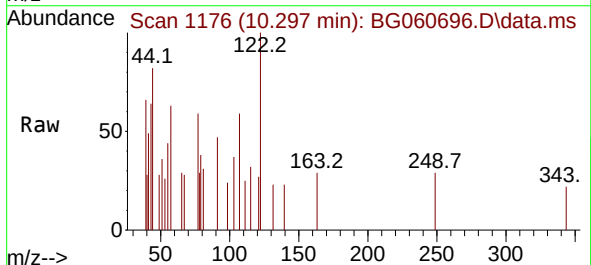
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

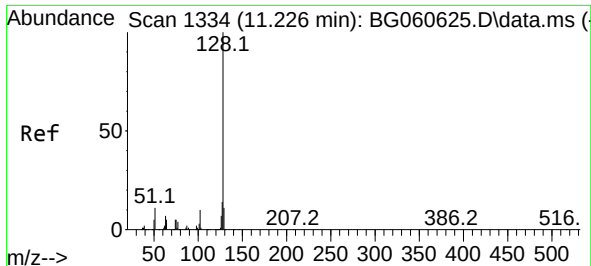
Tgt Ion: 82 Resp: 81969
Ion Ratio Lower Upper
82 100
128 38.7 31.6 47.4
54 60.5 49.3 73.9



#26
2-Nitrophenol
Concen: 2.252 ng
RT: 10.297 min Scan# 1176
Delta R.T. 0.058 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion: 139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 29.5 44.3#
65 124.8 55.0 82.4#

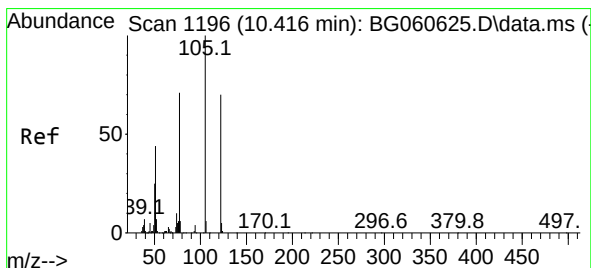
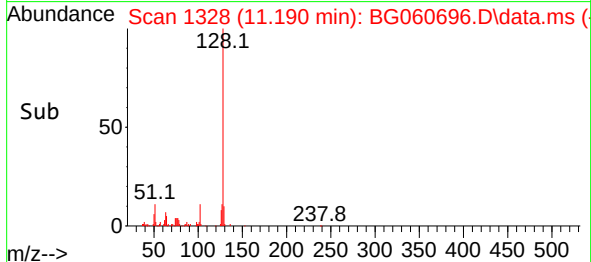
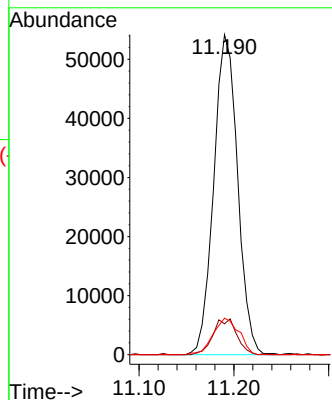
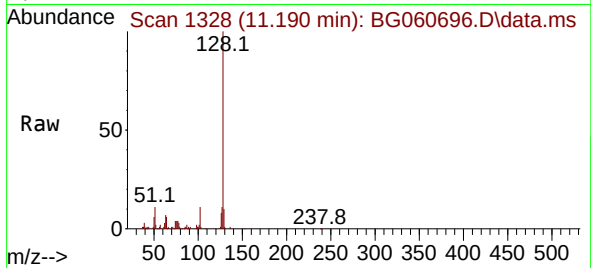




#31
Naphthalene
Concen: 4.075 ng
RT: 11.190 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

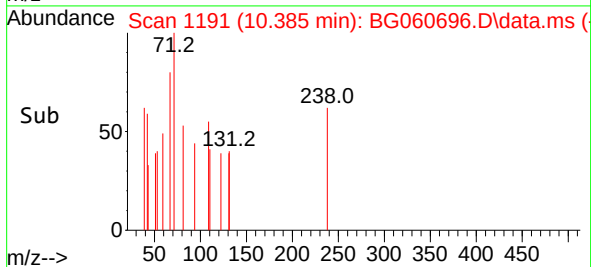
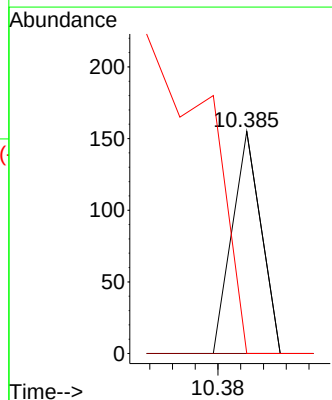
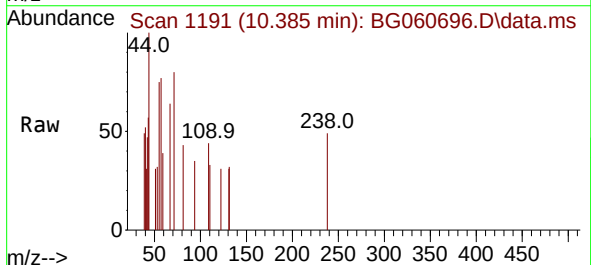
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

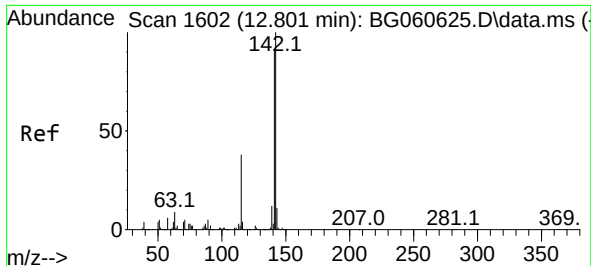
Tgt Ion:128 Resp: 94685
Ion Ratio Lower Upper
128 100
129 9.7 8.6 12.8
127 11.4 11.0 16.4



#32
Benzoic acid
Concen: 6.031 ng
RT: 10.385 min Scan# 1191
Delta R.T. 0.017 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 79.0 119.0#





#37

2-Methylnaphthalene

Concen: 6.583 ng

RT: 12.771 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

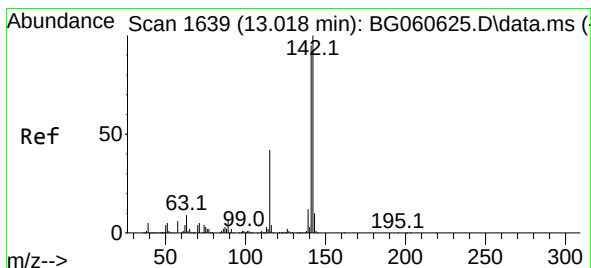
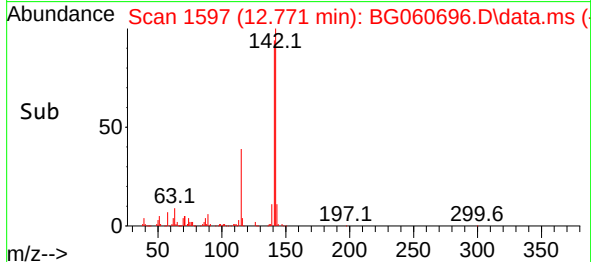
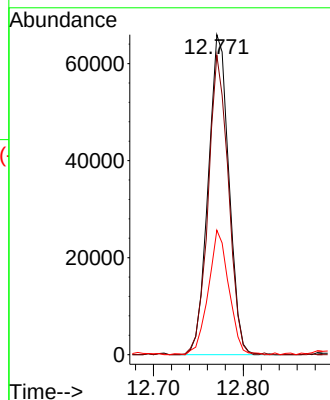
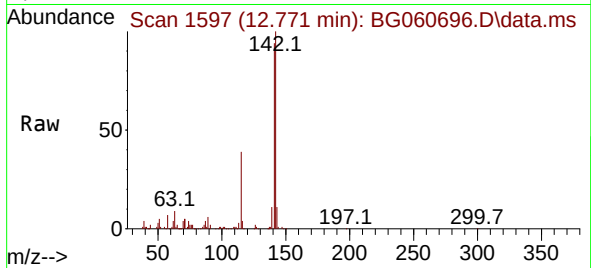
Tgt Ion:142 Resp: 105641

Ion Ratio Lower Upper

142 100

141 93.6 72.7 109.1

115 38.9 30.2 45.2



#38

1-Methylnaphthalene

Concen: 5.651 ng

RT: 12.988 min Scan# 1634

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

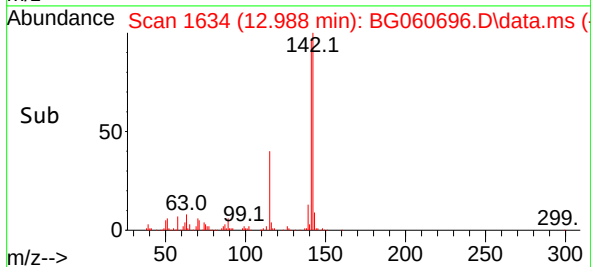
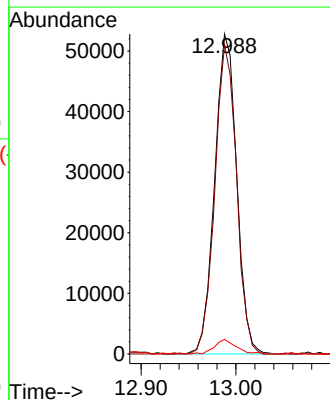
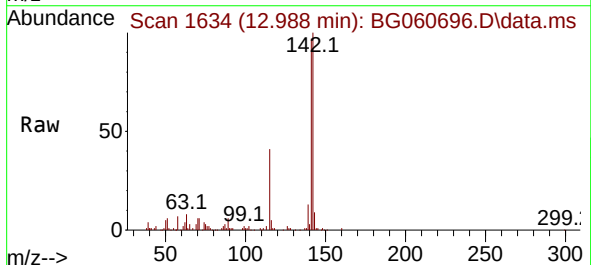
Tgt Ion:142 Resp: 85115

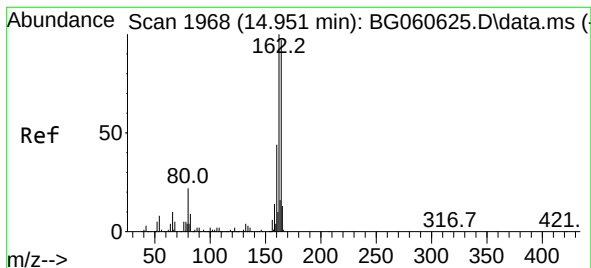
Ion Ratio Lower Upper

142 100

141 96.7 76.3 114.5

116 4.5 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.927 min Scan# 1964

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

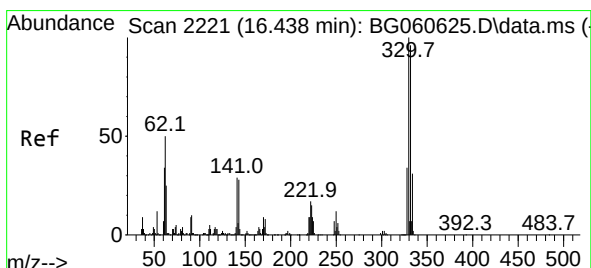
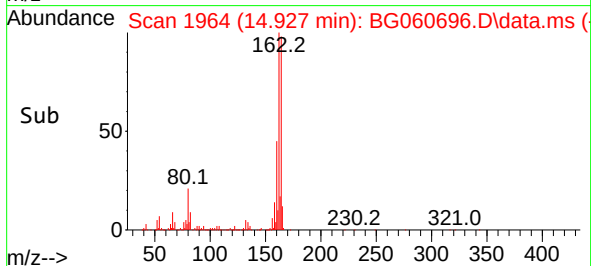
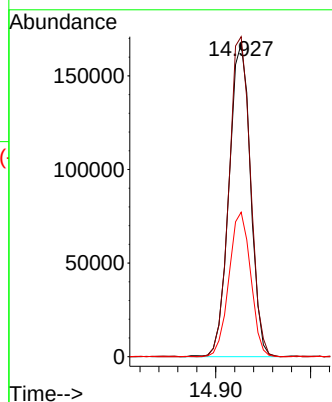
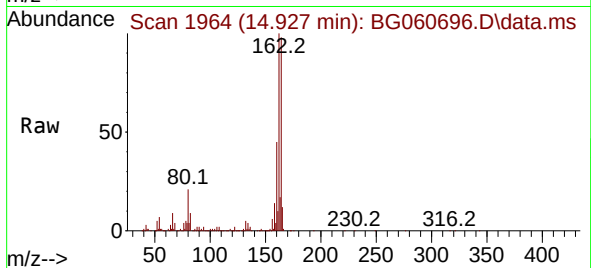
Tgt Ion:164 Resp: 263128

Ion Ratio Lower Upper

164 100

162 102.3 82.5 123.7

160 46.1 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 16.736 ng

RT: 16.407 min Scan# 2216

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

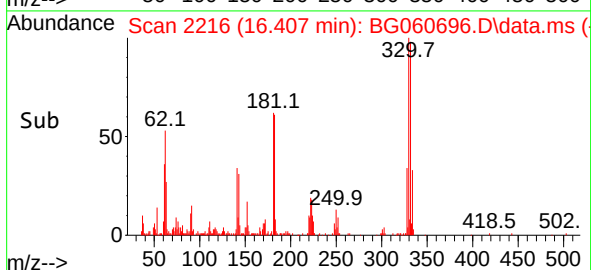
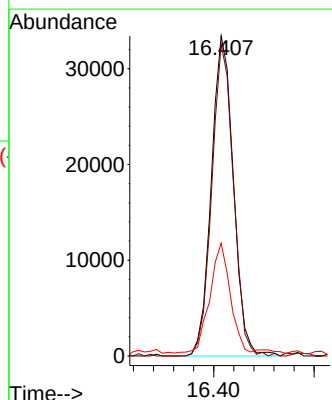
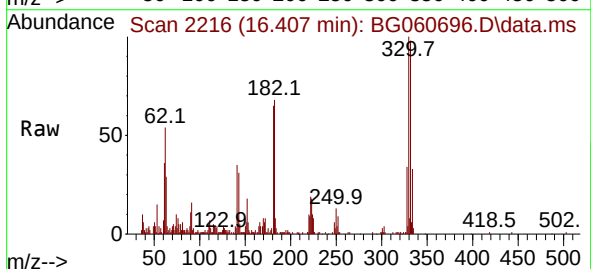
Tgt Ion:330 Resp: 51031

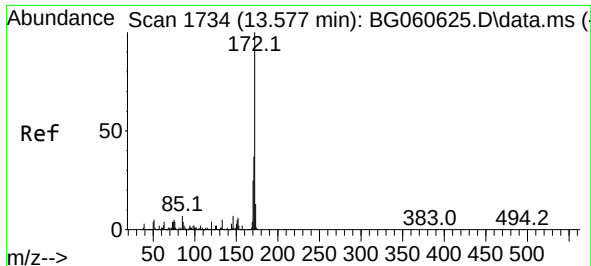
Ion Ratio Lower Upper

330 100

332 95.2 77.8 116.8

141 31.7 25.4 38.2

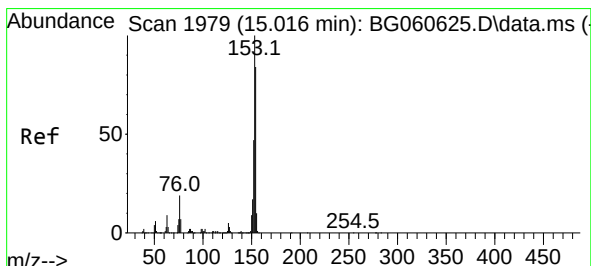
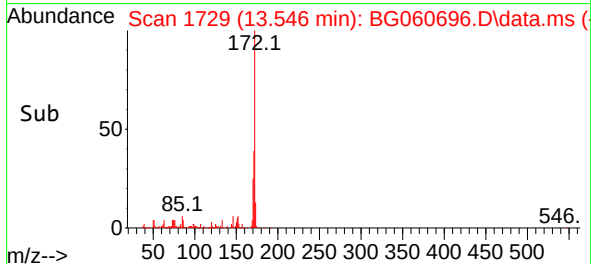
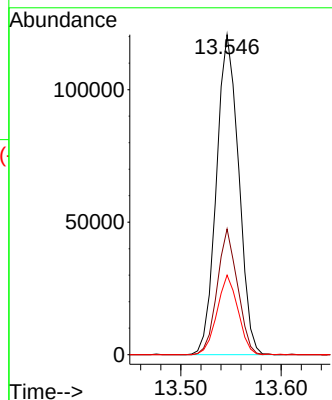
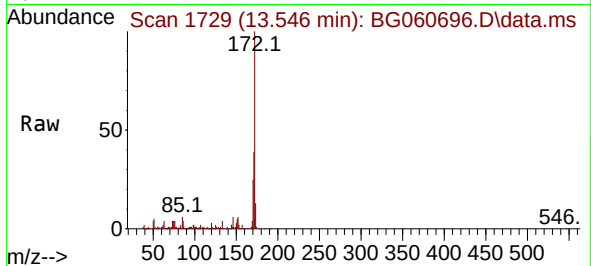




#45
2-Fluorobiphenyl
Concen: 9.534 ng
RT: 13.546 min Scan# 1729
Delta R.T. -0.001 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

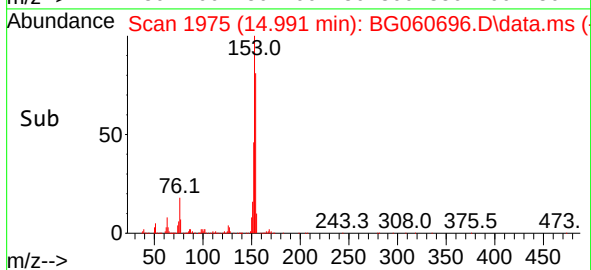
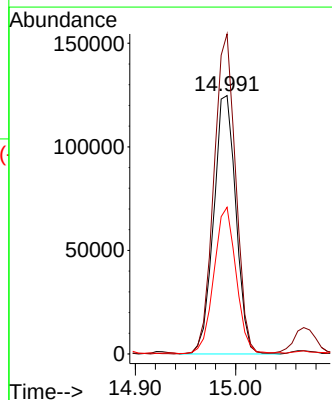
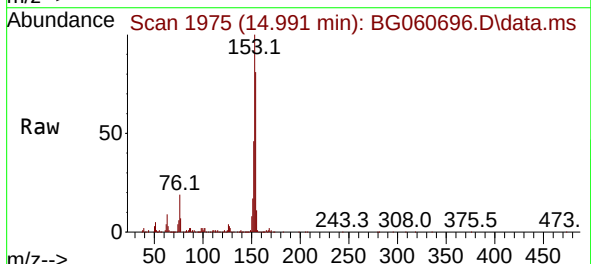
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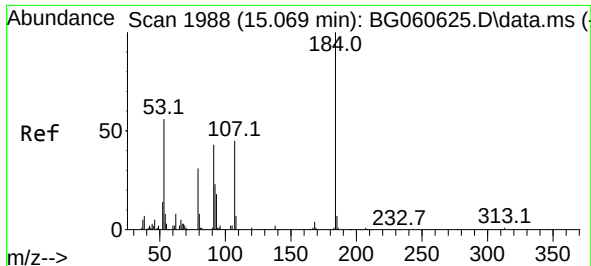
Tgt Ion:172 Resp: 185539
Ion Ratio Lower Upper
172 100
171 39.3 29.9 44.9
170 24.8 19.8 29.6



#52
Acenaphthene
Concen: 13.050 ng
RT: 14.991 min Scan# 1975
Delta R.T. -0.001 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:154 Resp: 191756
Ion Ratio Lower Upper
154 100
153 123.9 94.8 142.2
152 56.8 44.8 67.2

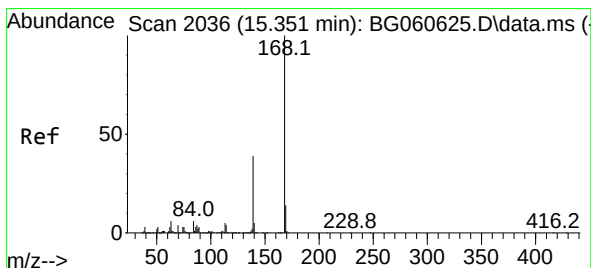
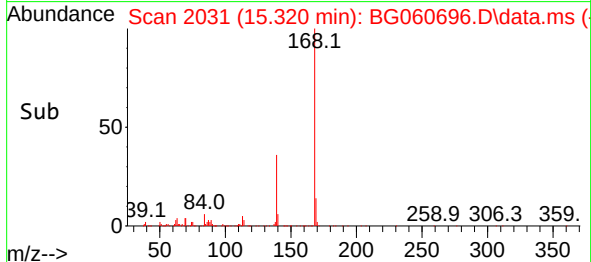
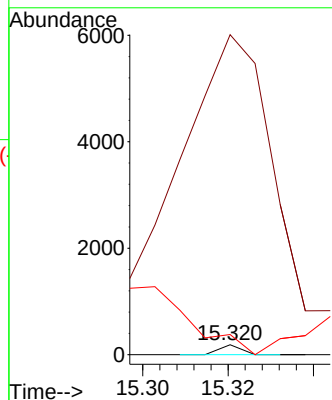
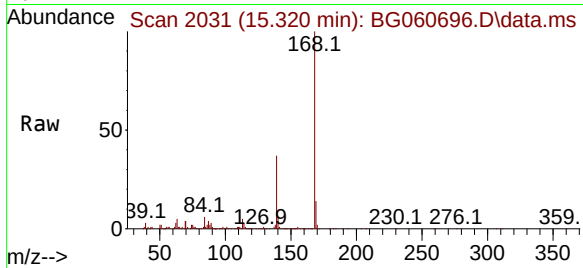




#54
2,4-Dinitrophenol
Concen: 6.876 ng
RT: 15.320 min Scan# 2031
Delta R.T. 0.275 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

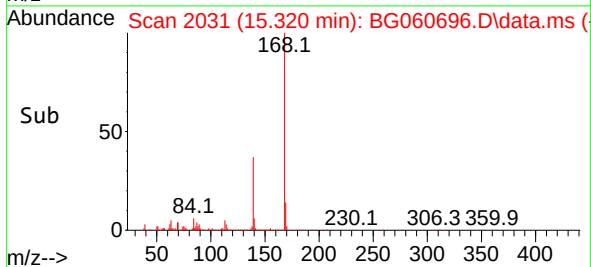
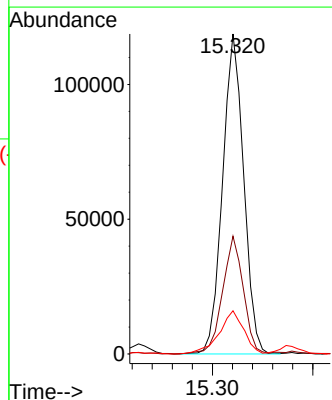
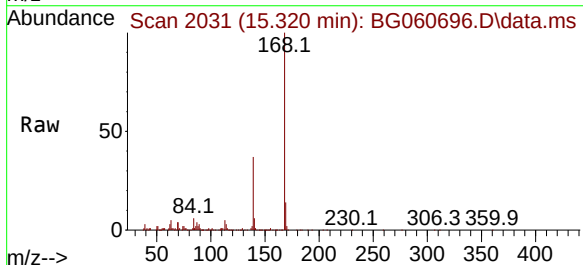
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

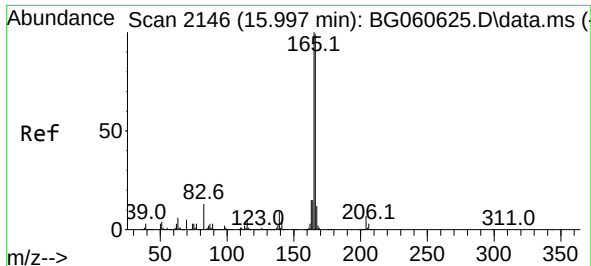
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 3214.4 54.4 81.6#
154 202.7 50.4 75.6#



#55
Dibenzofuran
Concen: 7.271 ng
RT: 15.320 min Scan# 2031
Delta R.T. -0.001 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:168 Resp: 172992
Ion Ratio Lower Upper
168 100
139 36.8 30.9 46.3
169 13.5 10.9 16.3

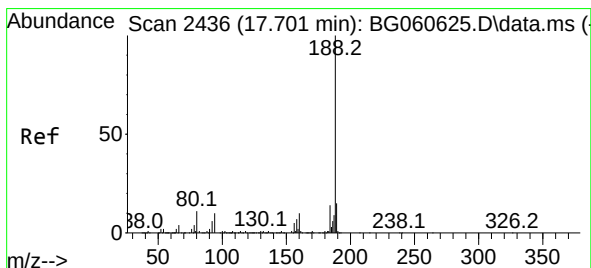
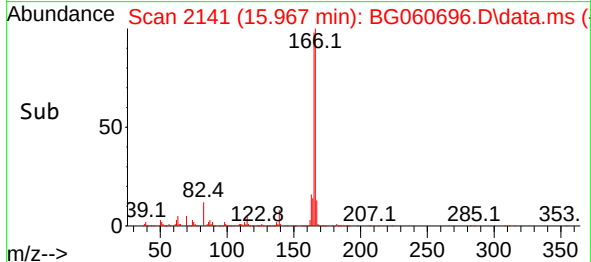
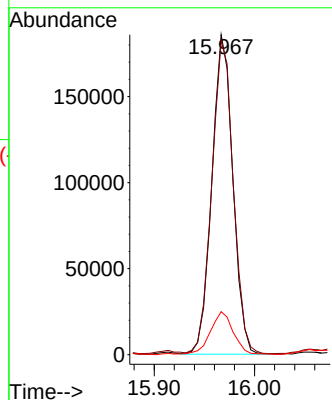
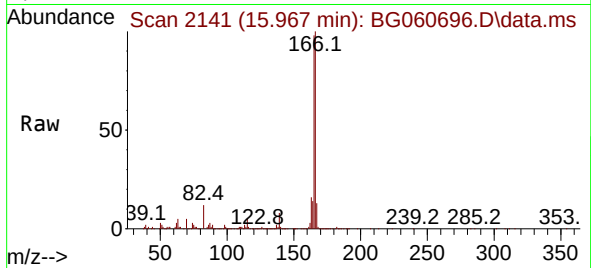




#58
 Fluorene
 Concen: 14.167 ng
 RT: 15.967 min Scan# 2146
 Delta R.T. -0.001 min
 Lab File: BG060696.D
 Acq: 20 Mar 2024 17:58

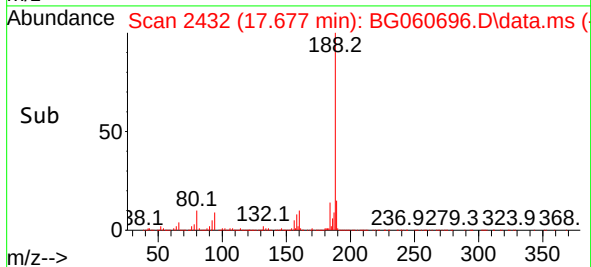
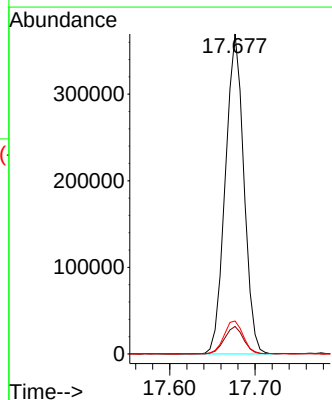
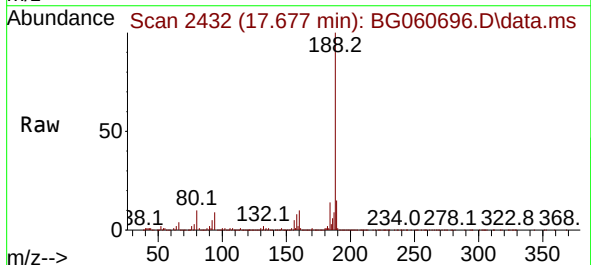
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031924

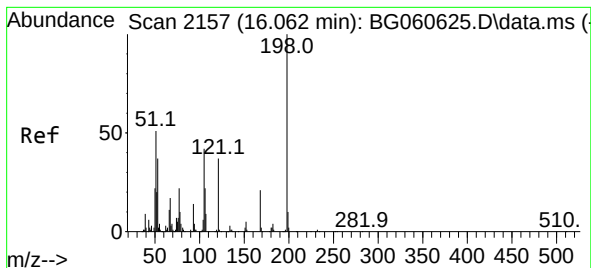
Tgt Ion:166 Resp: 269679
 Ion Ratio Lower Upper
 166 100
 165 98.2 80.5 120.7
 167 13.4 9.9 14.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.677 min Scan# 2432
 Delta R.T. 0.005 min
 Lab File: BG060696.D
 Acq: 20 Mar 2024 17:58

Tgt Ion:188 Resp: 557359
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.9 11.9
 80 10.3 8.6 13.0

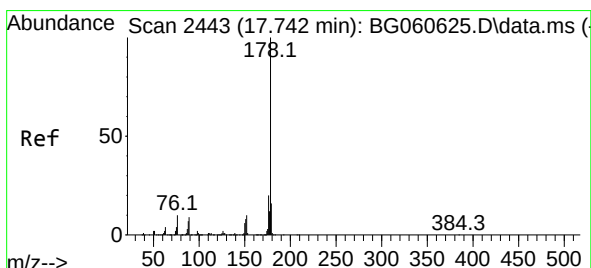
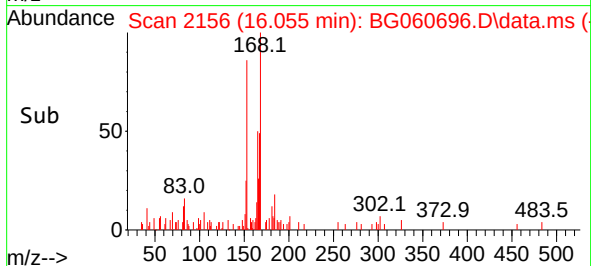
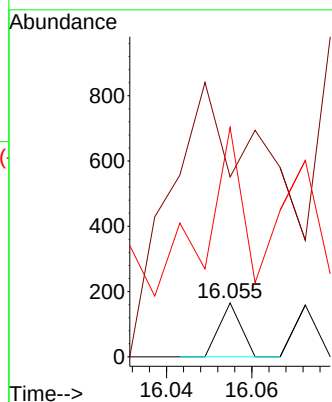
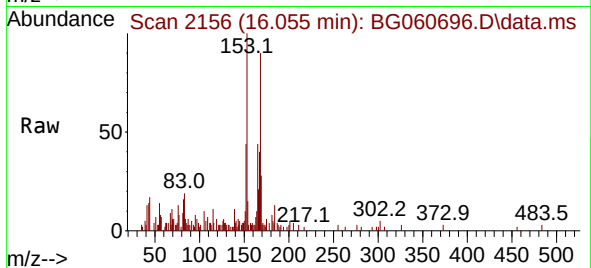




#65
4,6-Dinitro-2-methylphenol
Concen: 4.835 ng
RT: 16.055 min Scan# 2157
Delta R.T. 0.017 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

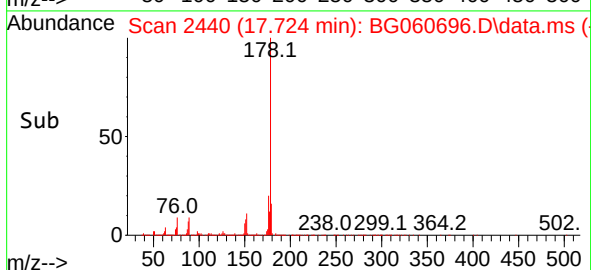
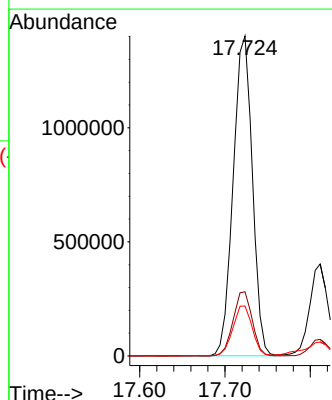
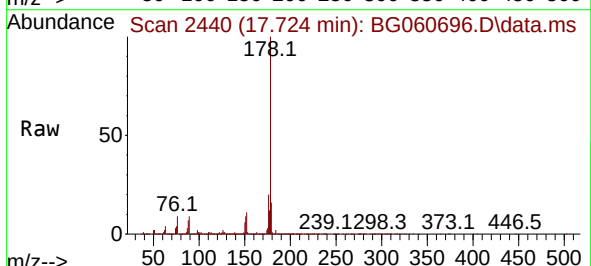
Instrument :
BNA_G
ClientSampleId :
OR-03-031924

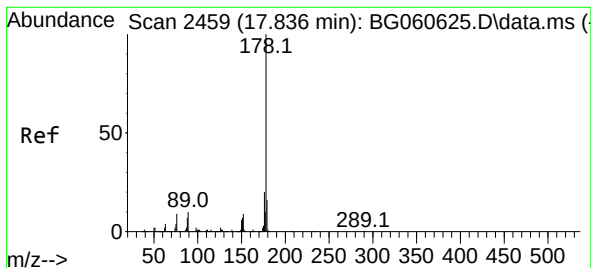
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 333.9 36.9 76.9#
105 426.1 22.4 62.4#



#71
Phenanthrene
Concen: 72.863 ng
RT: 17.724 min Scan# 2440
Delta R.T. 0.005 min
Lab File: BG060696.D
Acq: 20 Mar 2024 17:58

Tgt Ion:178 Resp: 2187600
Ion Ratio Lower Upper
178 100
176 20.1 16.1 24.1
179 15.6 12.9 19.3





#72

Anthracene

Concen: 19.424 ng

RT: 17.812 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

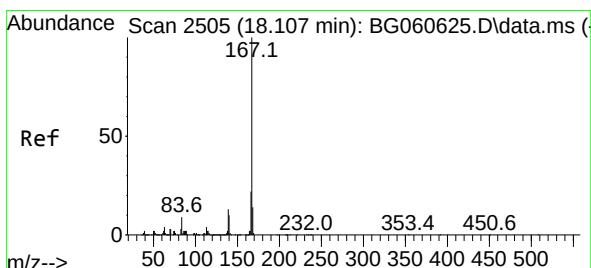
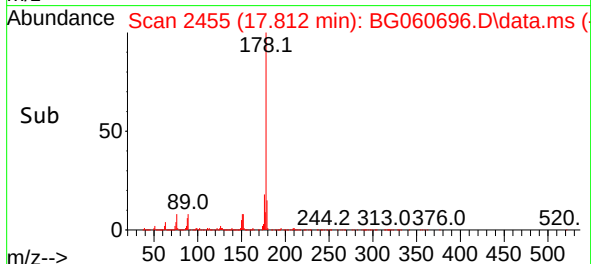
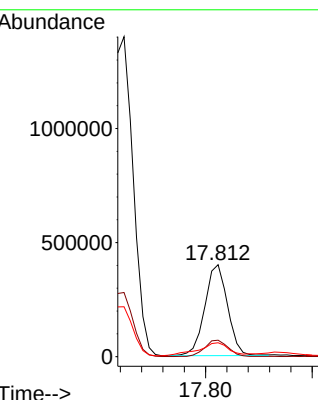
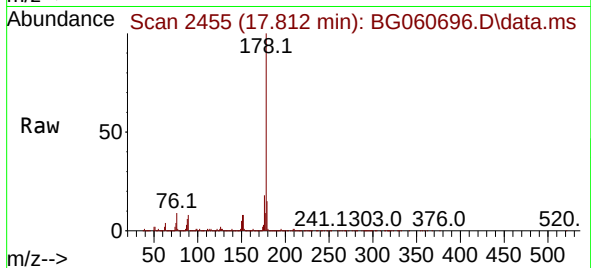
Tgt Ion:178 Resp: 589658

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.6

179 15.1 12.6 19.0



#73

Carbazole

Concen: 10.689 ng

RT: 18.082 min Scan# 2501

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

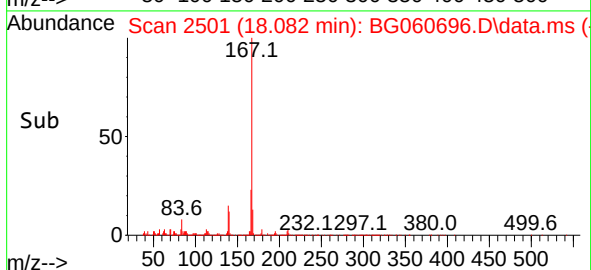
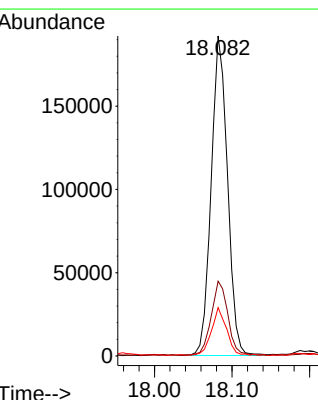
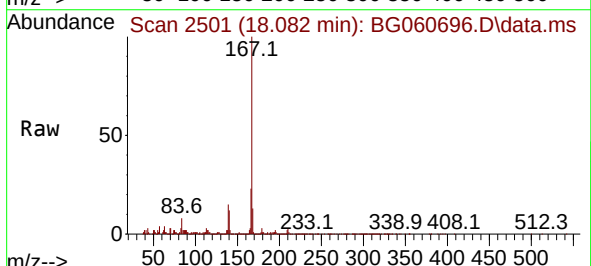
Tgt Ion:167 Resp: 282150

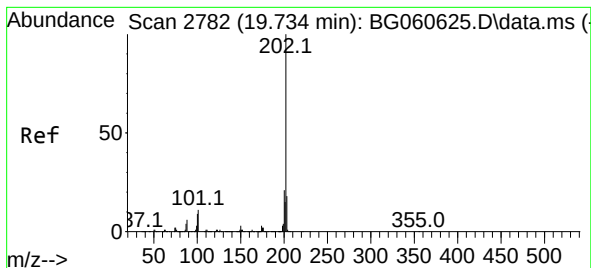
Ion Ratio Lower Upper

167 100

166 23.4 18.0 27.0

139 15.1 10.7 16.1





#75

Fluoranthene

Concen: 75.479 ng

RT: 19.715 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

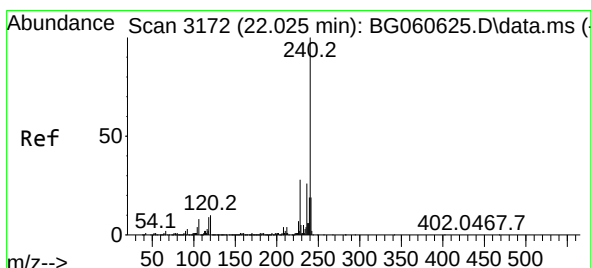
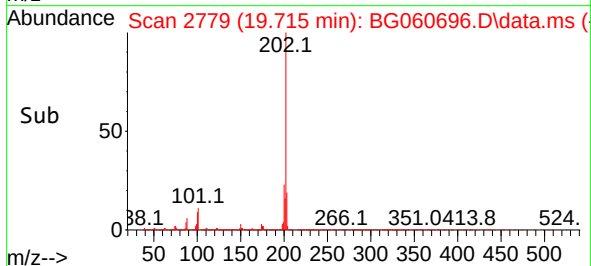
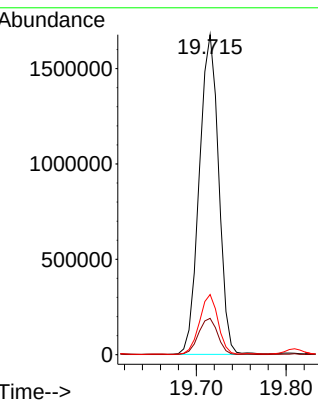
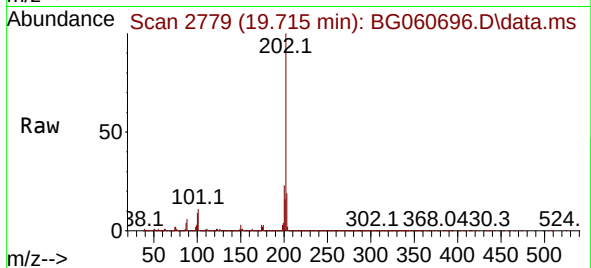
Tgt Ion:202 Resp: 2506695

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.2

203 18.8 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.995 min Scan# 3167

Delta R.T. 0.005 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

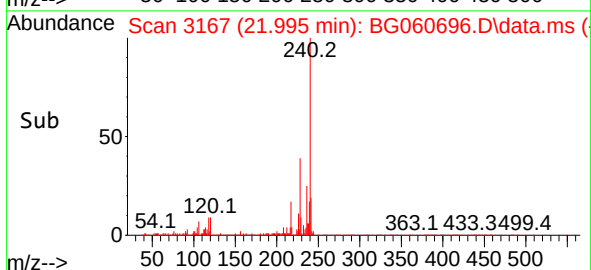
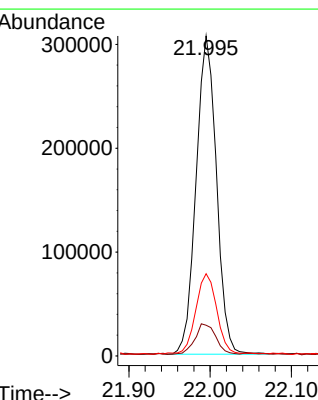
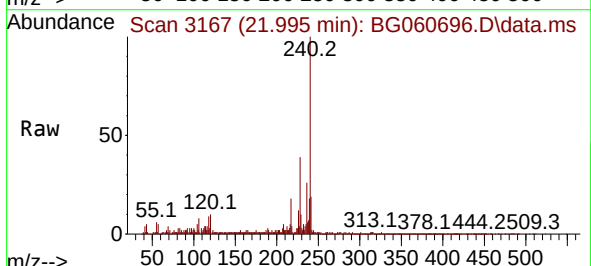
Tgt Ion:240 Resp: 532454

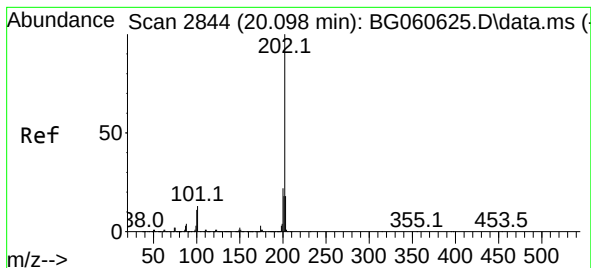
Ion Ratio Lower Upper

240 100

120 9.6 7.8 11.8

236 25.7 20.6 31.0





#78

Pyrene

Concen: 57.797 ng

RT: 20.080 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

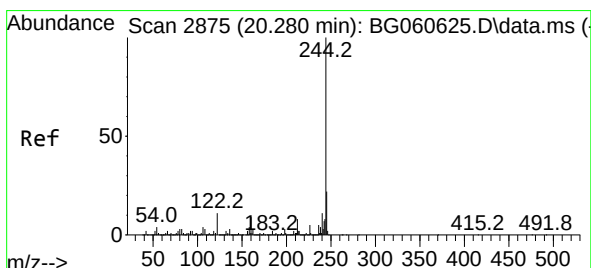
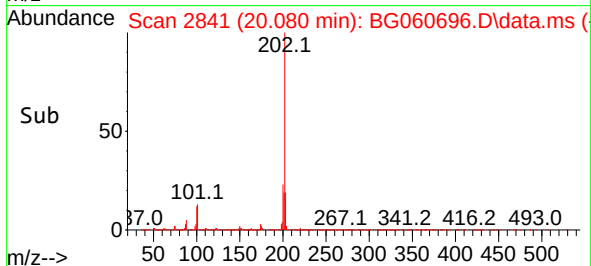
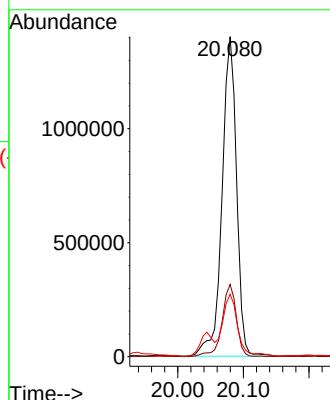
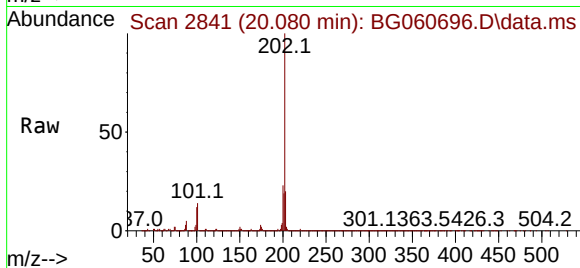
Tgt Ion:202 Resp: 2147628

Ion Ratio Lower Upper

202 100

200 22.6 17.9 26.9

203 19.5 14.3 21.5



#79

Terphenyl-d14

Concen: 9.927 ng

RT: 20.250 min Scan# 2870

Delta R.T. -0.007 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

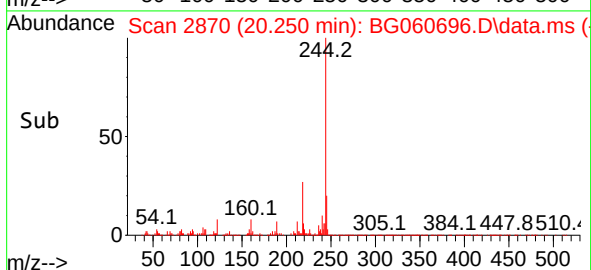
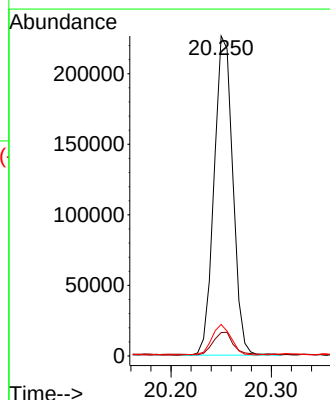
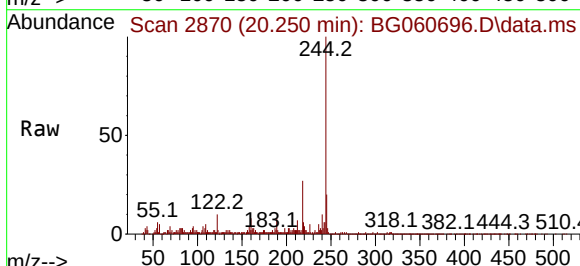
Tgt Ion:244 Resp: 292425

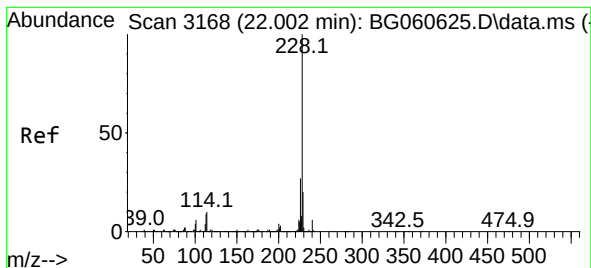
Ion Ratio Lower Upper

244 100

212 7.3 6.6 9.8

122 9.8 8.5 12.7





#81

Benzo(a)anthracene

Concen: 27.660 ng

RT: 21.971 min Scan# 3163

Delta R.T. -0.001 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

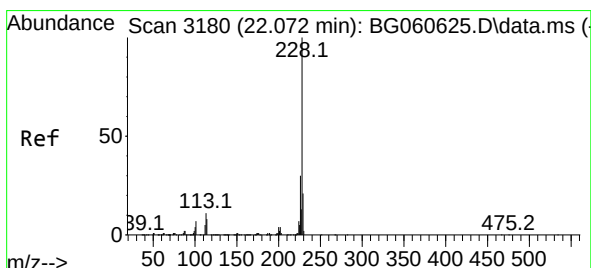
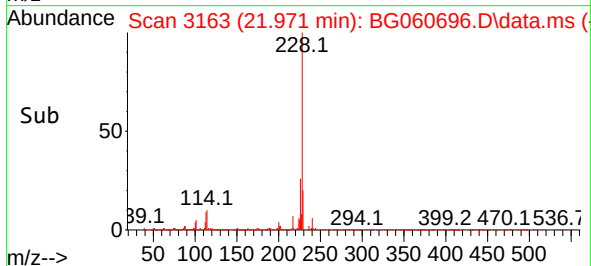
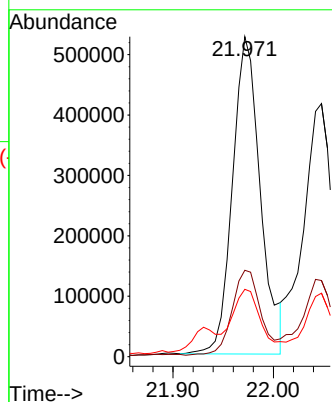
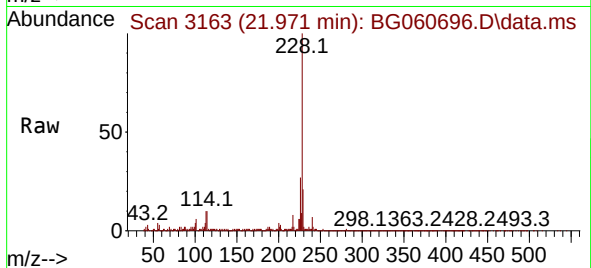
Tgt Ion:228 Resp: 1014044

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 21.0 15.8 23.6



#83

Chrysene

Concen: 28.486 ng

RT: 21.971 min Scan# 3163

Delta R.T. -0.071 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

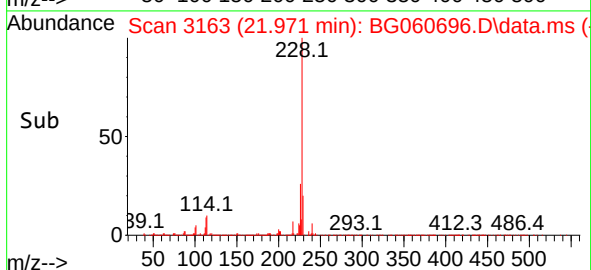
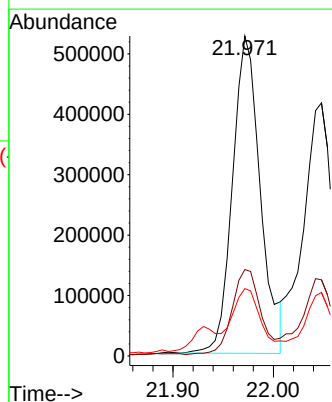
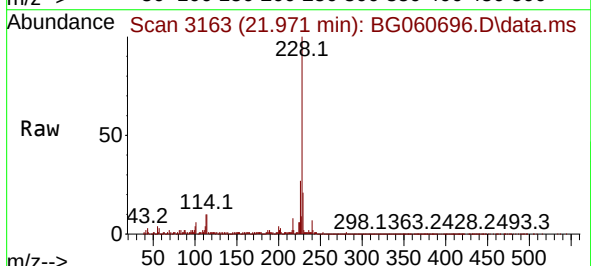
Tgt Ion:228 Resp: 1014044

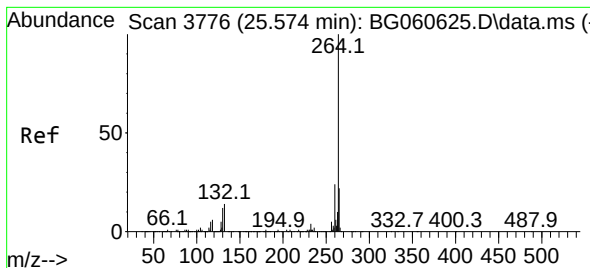
Ion Ratio Lower Upper

228 100

226 27.0 24.2 36.2

229 21.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.544 min Scan# 3

Delta R.T. 0.017 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

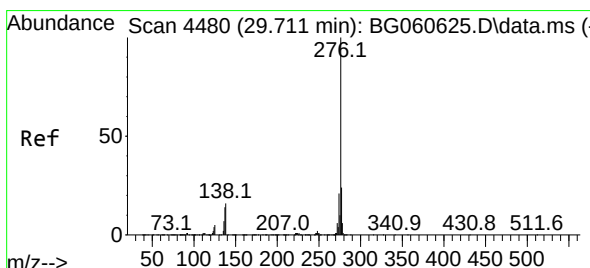
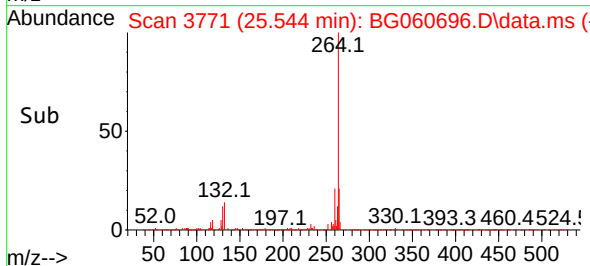
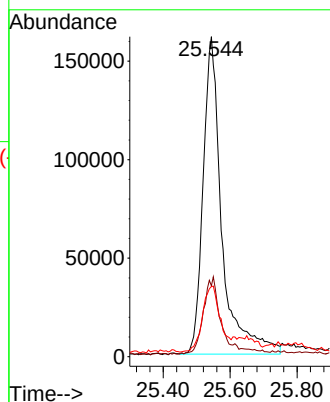
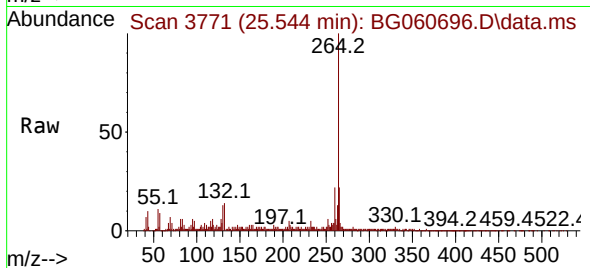
Tgt Ion:264 Resp: 628796

Ion Ratio Lower Upper

264 100

260 22.1 19.4 29.2

265 22.0 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.717 ng

RT: 29.645 min Scan# 4469

Delta R.T. 0.011 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

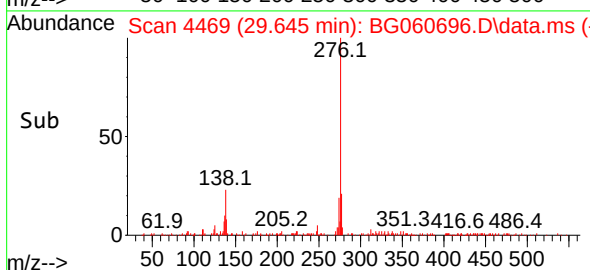
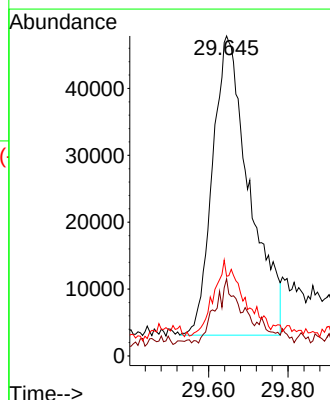
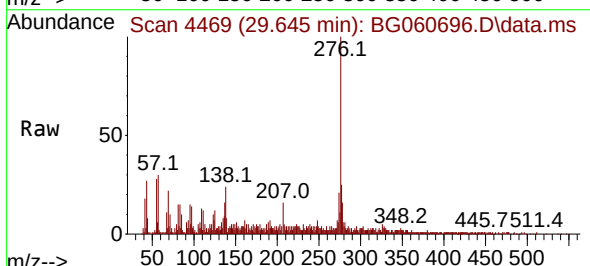
Tgt Ion:276 Resp: 288098

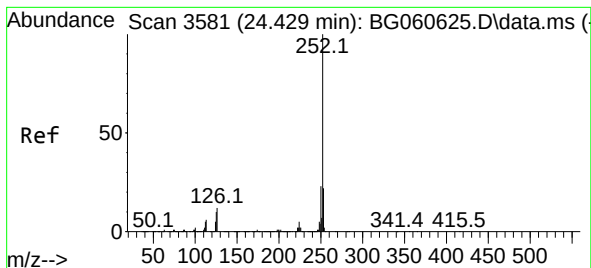
Ion Ratio Lower Upper

276 100

138 12.3 6.6 10.0#

277 10.0 16.7 25.1#





#88

Benzo(b)fluoranthene

Concen: 26.308 ng

RT: 24.392 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

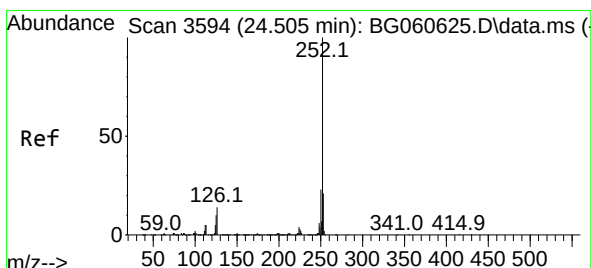
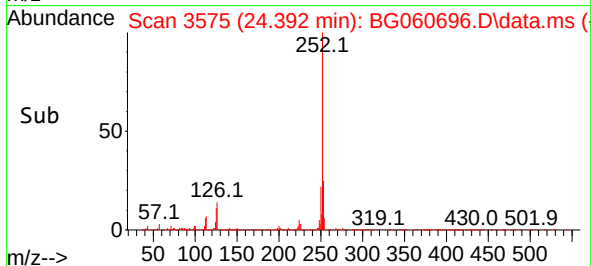
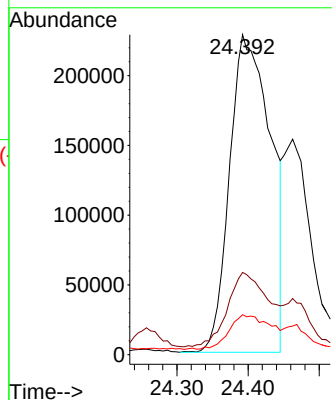
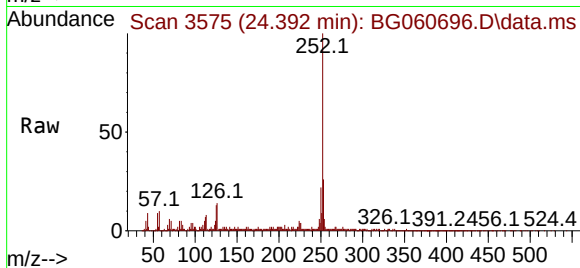
Tgt Ion:252 Resp: 910064

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 12.5 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 25.042 ng

RT: 24.392 min Scan# 3575

Delta R.T. -0.065 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

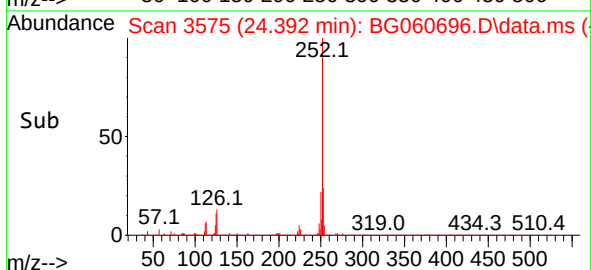
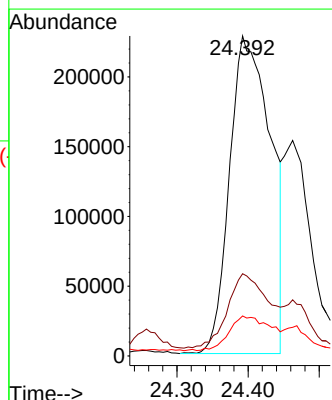
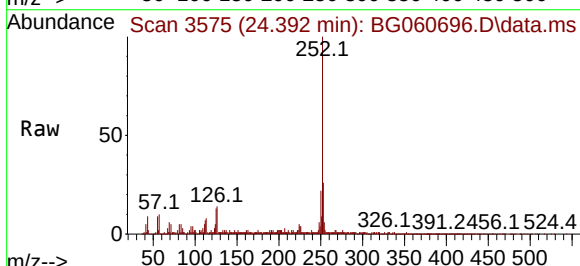
Tgt Ion:252 Resp: 910064

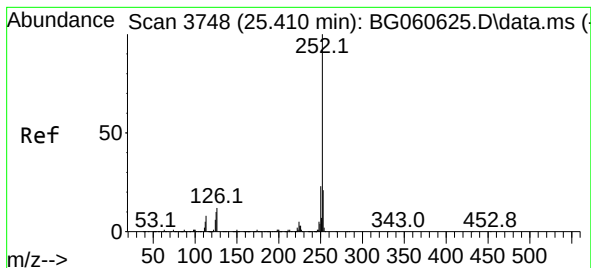
Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7#

125 12.5 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 20.699 ng

RT: 25.368 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Instrument :

BNA_G

ClientSampleId :

OR-03-031924

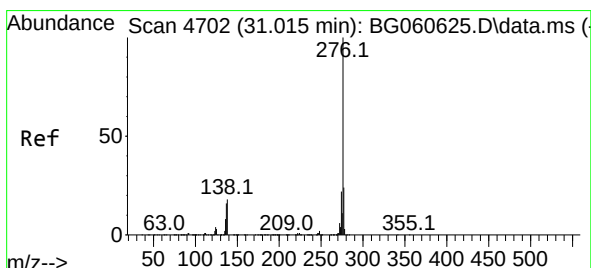
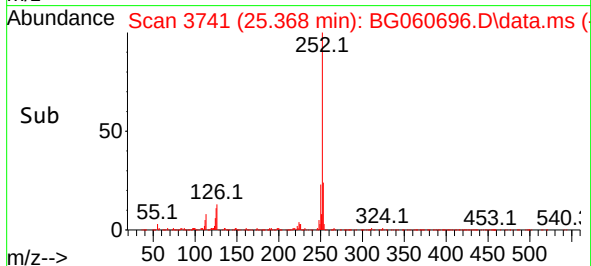
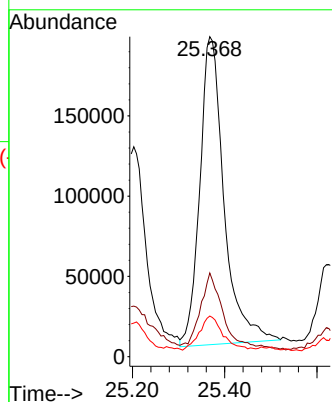
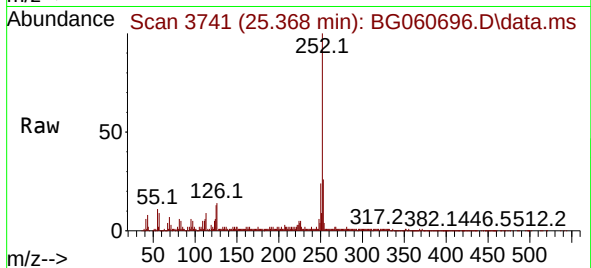
Tgt Ion:252 Resp: 701990

Ion Ratio Lower Upper

252 100

253 26.1 17.0 25.6#

125 12.7 8.2 12.2#



#92

Benzo(g,h,i)perylene

Concen: 6.932 ng

RT: 30.955 min Scan# 4692

Delta R.T. 0.017 min

Lab File: BG060696.D

Acq: 20 Mar 2024 17:58

Tgt Ion:276 Resp: 244388

Ion Ratio Lower Upper

276 100

277 26.6 19.0 28.4

138 20.6 14.4 21.6

