

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056690.D
 Acq On : 21 Feb 2023 18:55
 Operator : CG/JU
 Sample : 01606-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

Quant Time: Feb 22 00:09:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 18:07:35 2023
 Response via : Initial Calibration

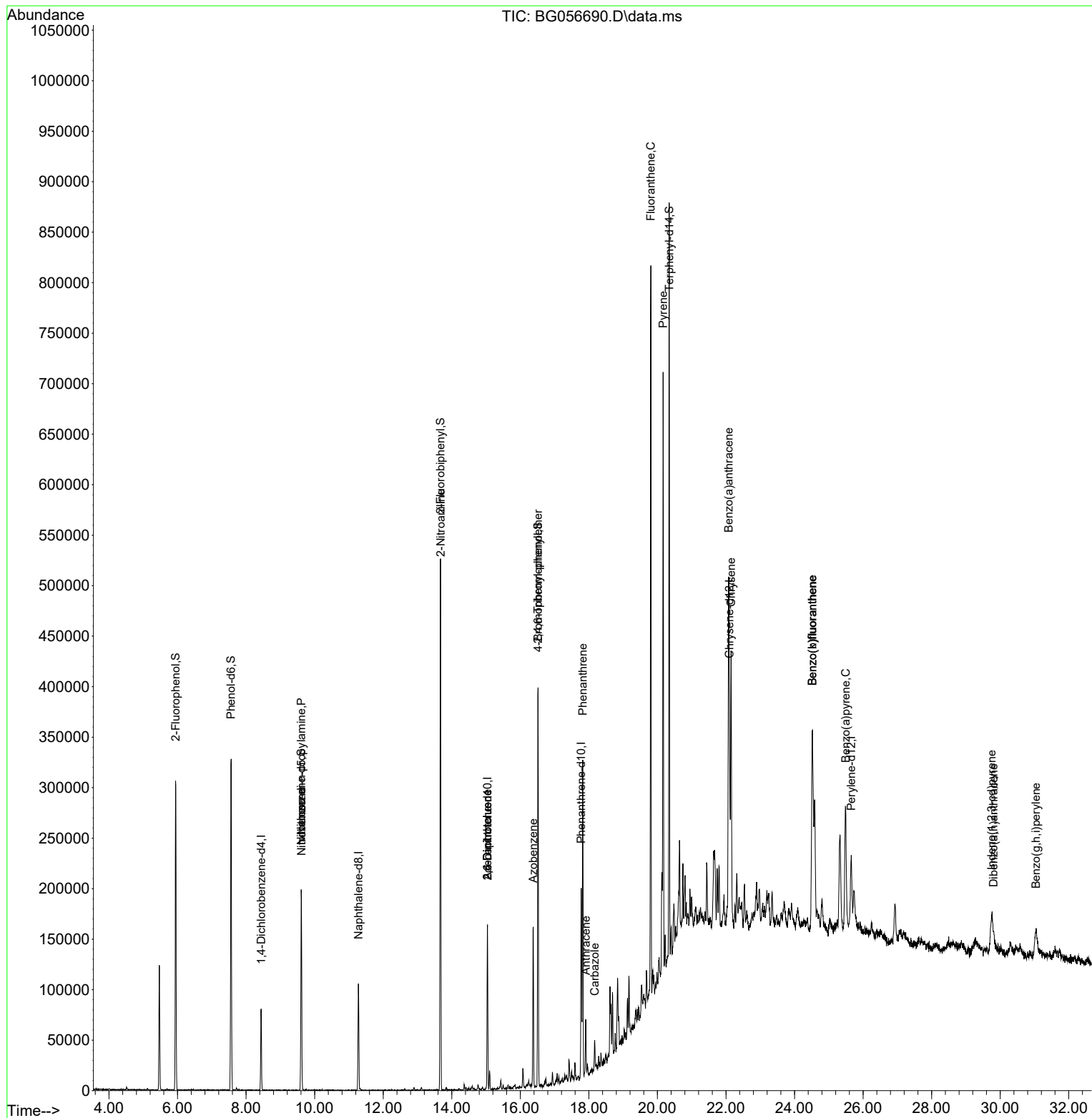
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.440	152	21930	20.000	ng	0.00
21) Naphthalene-d8	11.277	136	86956	20.000	ng	# 0.00
39) Acenaphthene-d10	15.044	164	57723	20.000	ng	0.00
64) Phenanthrene-d10	17.776	188	120020	20.000	ng	0.00
76) Chrysene-d12	22.100	240	101551	20.000	ng	0.00
86) Perylene-d12	25.655	264	93610	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.948	112	127155	94.341	ng	0.01
7) Phenol-d6	7.558	99	182185	91.507	ng	0.00
23) Nitrobenzene-d5	9.609	82	122994	72.421	ng	0.00
42) 2,4,6-Tribromophenol	16.518	330	75793	95.904	ng	0.00
45) 2-Fluorobiphenyl	13.669	172	274123	63.591	ng	0.00
79) Terphenyl-d14	20.343	244	354002	57.034	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.609	70	17742	11.904	ng	# 80
24) Nitrobenzene	9.615	77	410	2.884	ng	# 43
48) 2-Nitroaniline	13.675	65	528	5.713	ng	# 1
51) 2,6-Dinitrotoluene	15.044	165	7889	10.648	ng	# 21
57) 2,4-Dinitrotoluene	15.044	165	7889	6.779	ng	# 24
63) Azobenzene	16.377	77	48858	10.142	ng	# 1
67) 4-Bromophenyl-phenylether	16.512	248	5266	3.417	ng	# 1
71) Phenanthrene	17.823	178	206074	31.559	ng	100
72) Anthracene	17.911	178	36538	5.469	ng	96
73) Carbazole	18.169	167	18675	3.242	ng	98
75) Fluoranthene	19.809	202	480788	55.803	ng	99
78) Pyrene	20.167	202	398564	51.968	ng	99
81) Benzo(a)anthracene	22.077	228	226168	29.948	ng	97
83) Chrysene	22.147	228	233854	33.124	ng	96
87) Indeno(1,2,3-cd)pyrene	29.750	276	96975	13.228	ng	# 73
88) Benzo(b)fluoranthene	24.521	252	312384	51.080	ng	97
89) Benzo(k)fluoranthene	24.521	252	312384	51.943	ng	100
90) Benzo(a)pyrene	25.490	252	180705	30.740	ng	99
91) Dibenzo(a,h)anthracene	29.809	278	23810	3.921	ng	# 90
92) Benzo(g,h,i)perylene	31.042	276	81041	13.659	ng	# 91

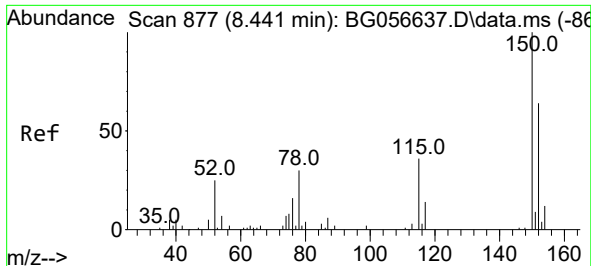
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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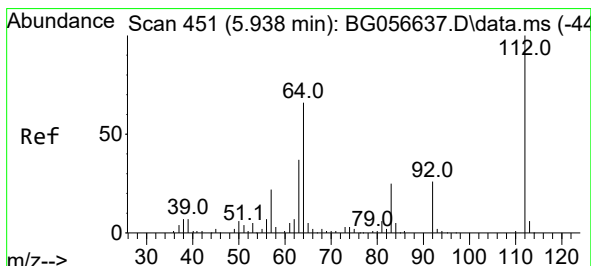
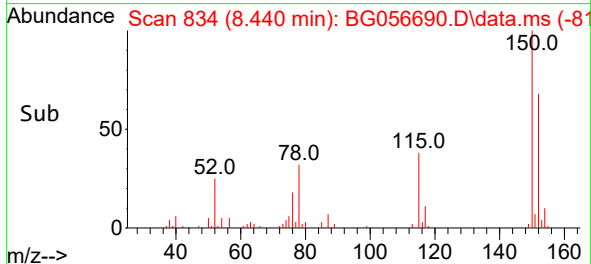
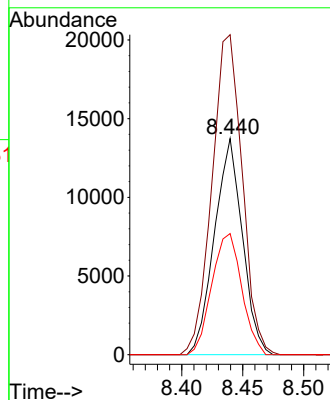
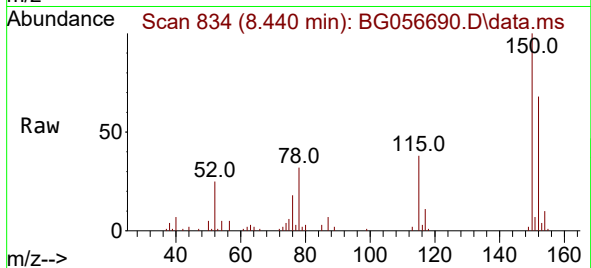




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.440 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

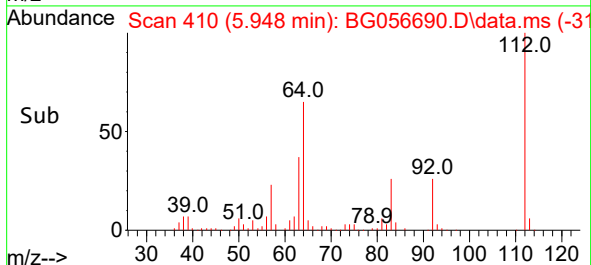
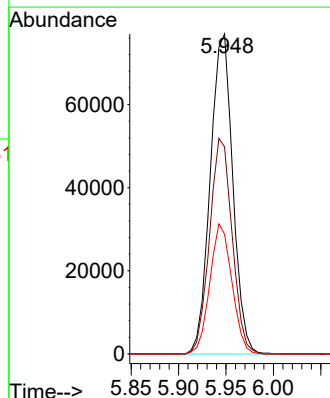
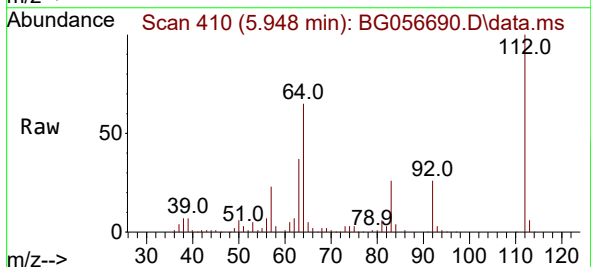
Instrument :
BNA_G
ClientSampleId :
VNJ-210

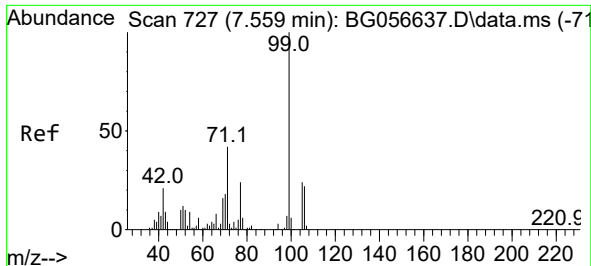
Tgt Ion:152 Resp: 21930
Ion Ratio Lower Upper
152 100
150 148.1 124.8 187.2
115 56.0 44.7 67.1



#5
2-Fluorophenol
Concen: 94.341 ng
RT: 5.948 min Scan# 410
Delta R.T. 0.011 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:112 Resp: 127155
Ion Ratio Lower Upper
112 100
64 64.8 52.6 78.8
63 37.5 29.8 44.6

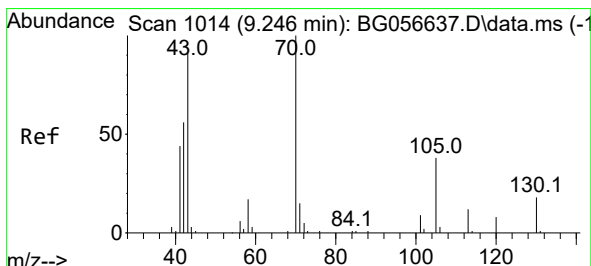
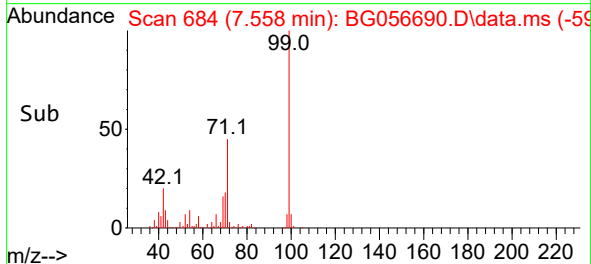
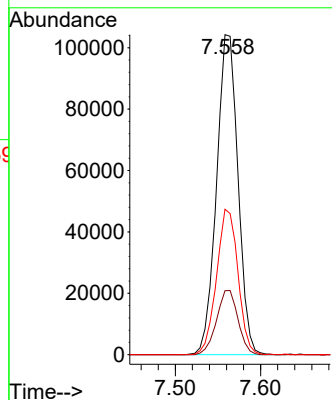
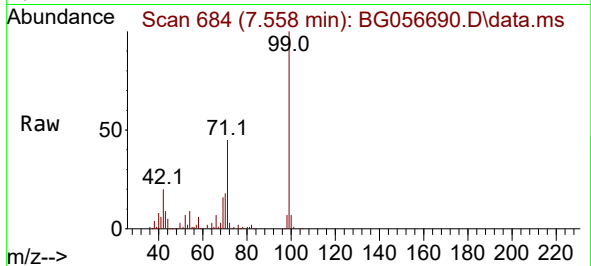




#7
Phenol-d6
Concen: 91.507 ng
RT: 7.558 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

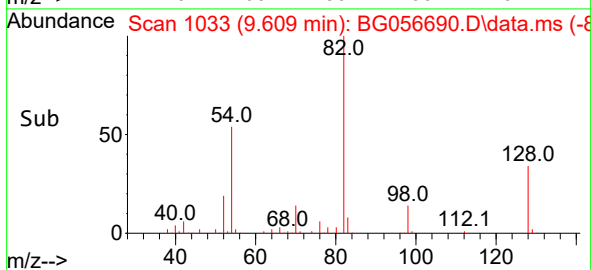
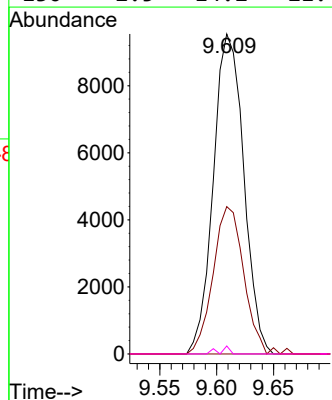
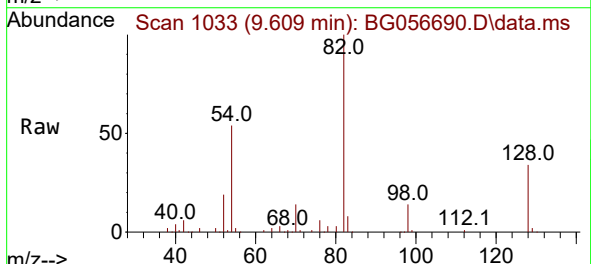
Instrument :
BNA_G
ClientSampleId :
VNJ-210

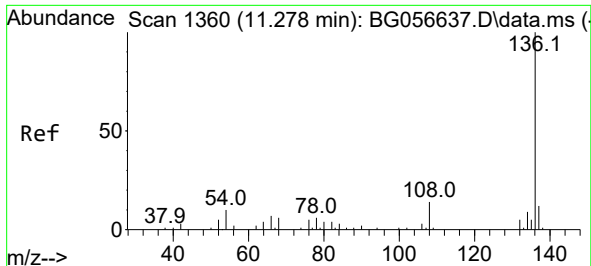
Tgt Ion: 99 Resp: 182185
Ion Ratio Lower Upper
99 100
42 20.0 16.8 25.2
71 45.4 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.904 ng
RT: 9.609 min Scan# 1033
Delta R.T. 0.363 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion: 70 Resp: 17742
Ion Ratio Lower Upper
70 100
42 46.0 45.7 68.5
101 0.0 7.4 11.0#
130 2.5 14.2 21.4#

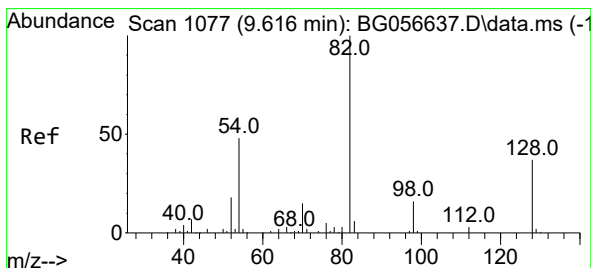
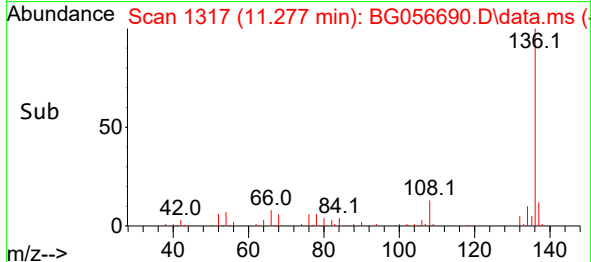
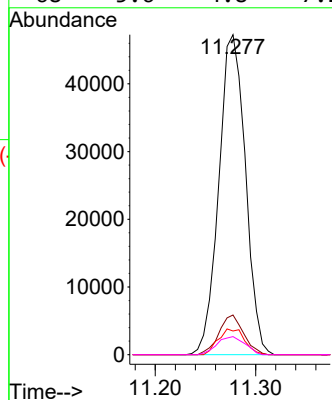
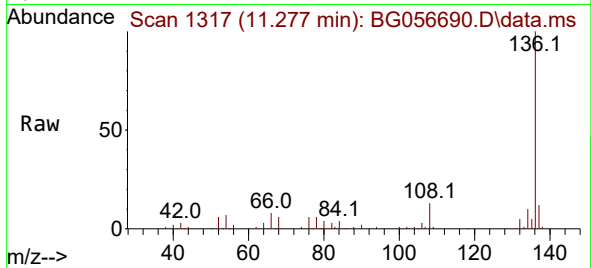




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.277 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

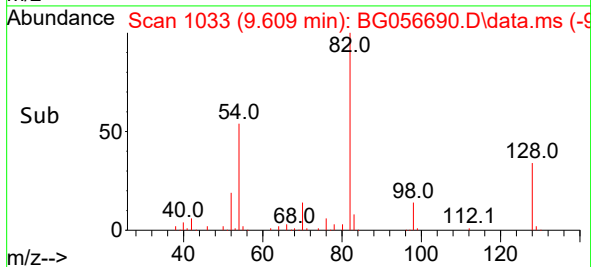
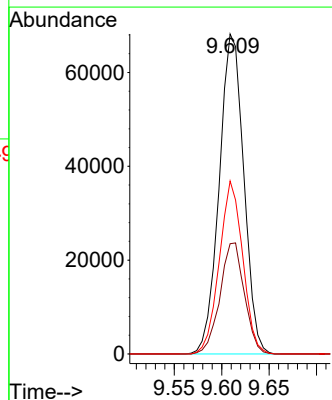
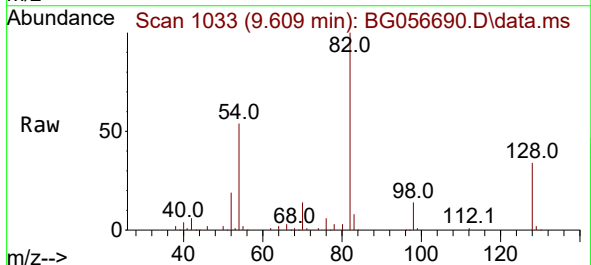
Instrument :
BNA_G
ClientSampleId :
VNJ-210

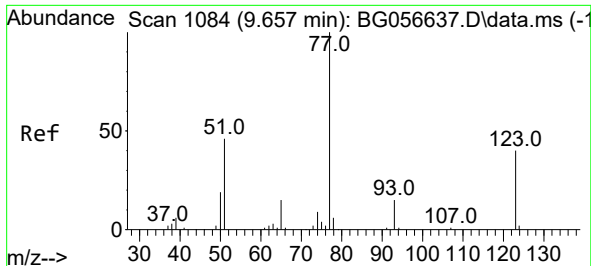
Tgt Ion:	136	Resp:	86956
Ion Ratio	Lower	Upper	
136	100		
137	12.4	9.7	14.5
54	7.4	7.7	11.5#
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 72.421 ng
RT: 9.609 min Scan# 1033
Delta R.T. -0.007 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:	82	Resp:	122994
Ion Ratio	Lower	Upper	
82	100		
128	34.5	29.4	44.2
54	54.1	37.8	56.6

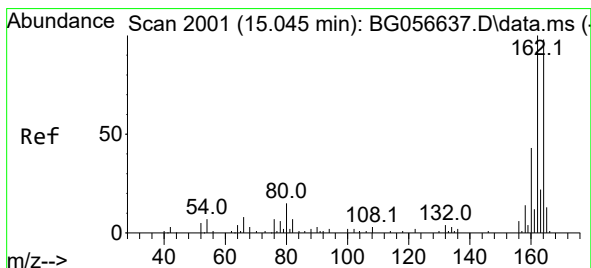
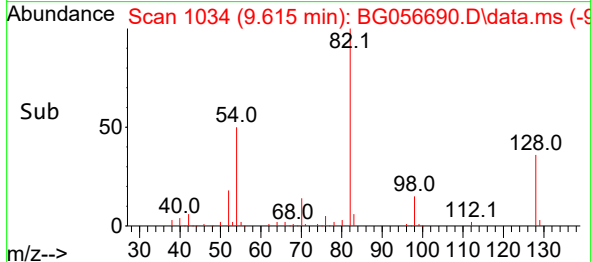
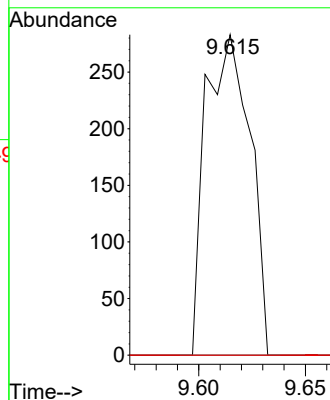
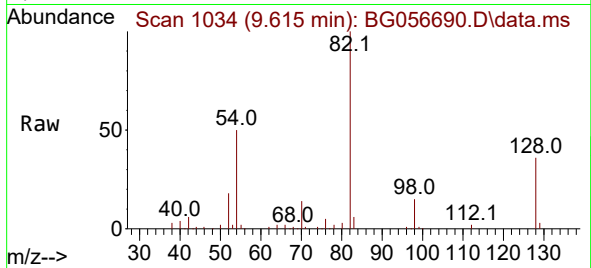




#24
Nitrobenzene
Concen: 2.884 ng
RT: 9.615 min Scan# 1084
Delta R.T. -0.042 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

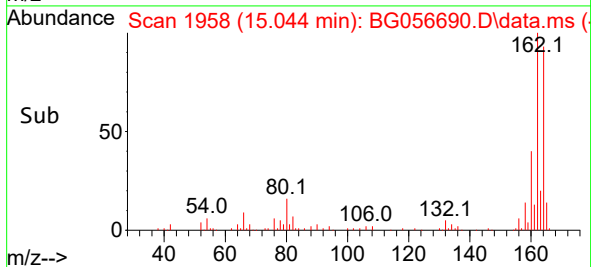
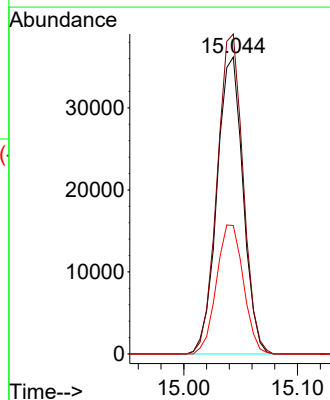
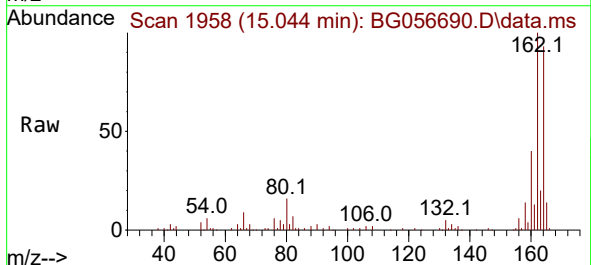
Instrument :
BNA_G
ClientSampleId :
VNJ-210

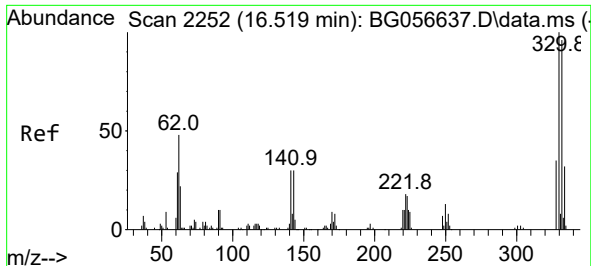
Tgt Ion: 77 Resp: 410
Ion Ratio Lower Upper
77 100
123 0.0 31.8 47.8#
65 0.0 12.0 18.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.044 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion: 164 Resp: 57723
Ion Ratio Lower Upper
164 100
162 107.8 81.3 121.9
160 43.3 35.2 52.8

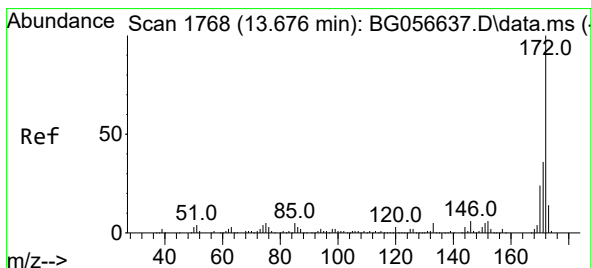
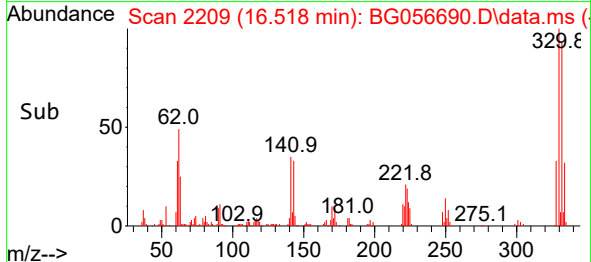
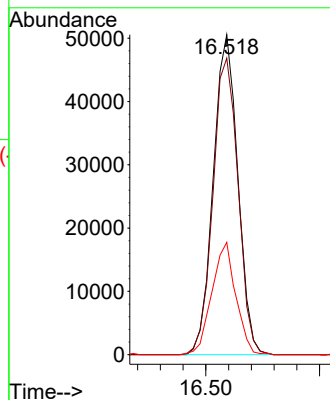
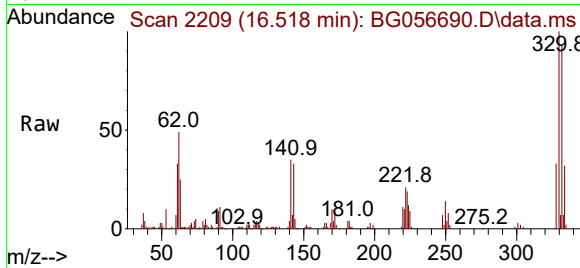




#42
 2,4,6-Tribromophenol
 Concen: 95.904 ng
 RT: 16.518 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

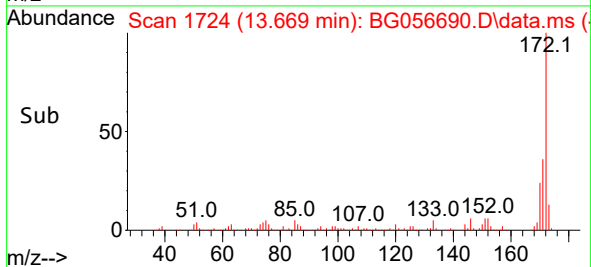
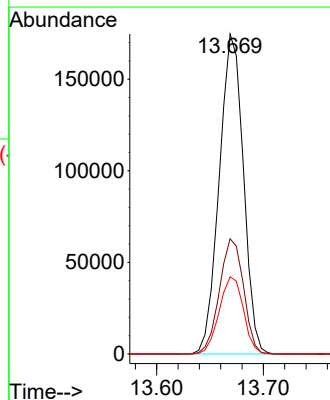
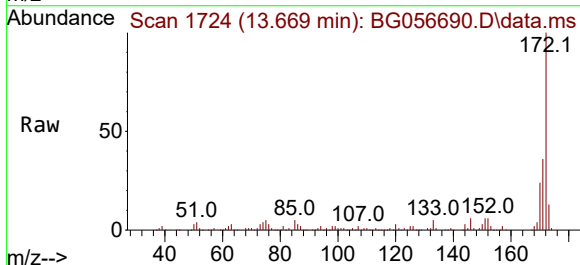
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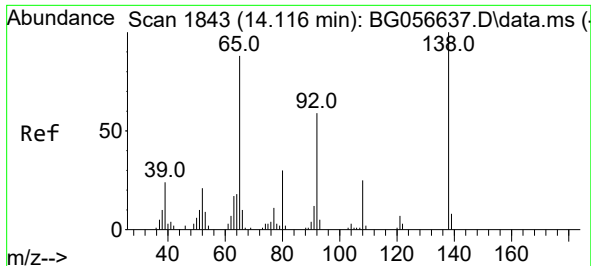
Tgt Ion:330 Resp: 75793
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 34.4 24.6 37.0



#45
 2-Fluorobiphenyl
 Concen: 63.591 ng
 RT: 13.669 min Scan# 1724
 Delta R.T. -0.007 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

Tgt Ion:172 Resp: 274123
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.1 19.4 29.0

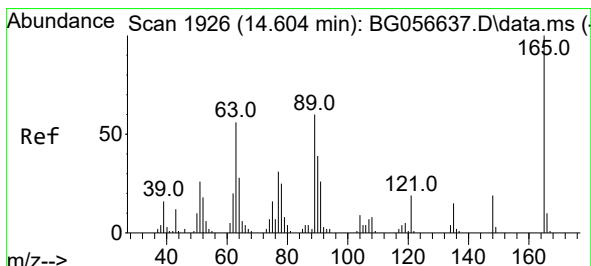
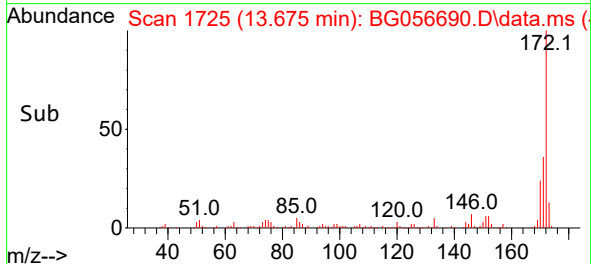
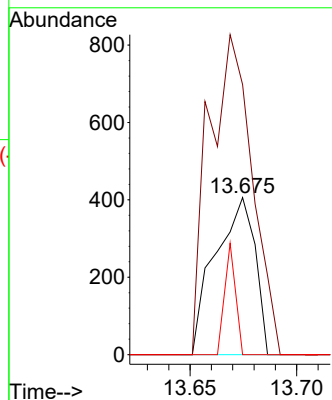
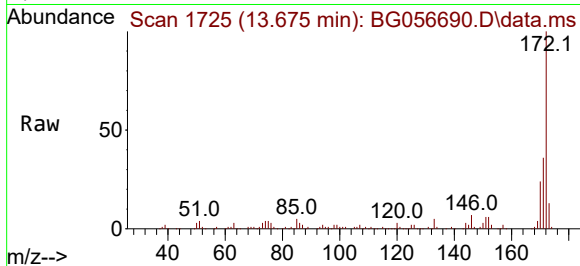




#48
2-Nitroaniline
Concen: 5.713 ng
RT: 13.675 min Scan# 11
Delta R.T. -0.441 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

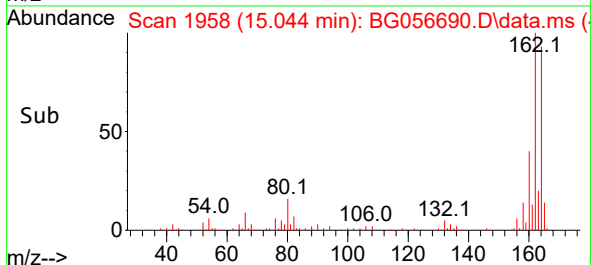
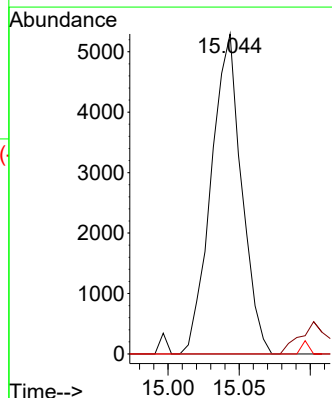
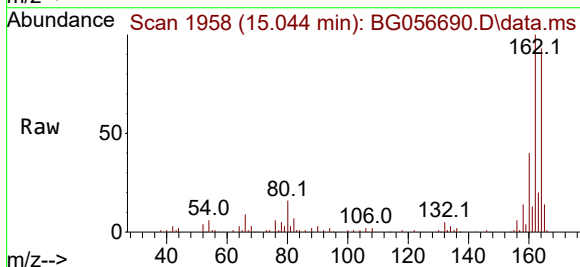
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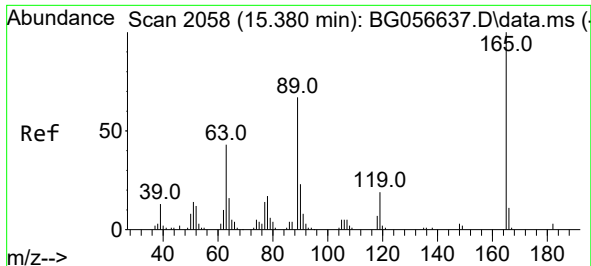
Tgt Ion: 65 Resp: 528
Ion Ratio Lower Upper
65 100
92 171.9 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 10.648 ng
RT: 15.044 min Scan# 1958
Delta R.T. 0.440 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:165 Resp: 7889
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.2 72.2#





#57

2,4-Dinitrotoluene

Concen: 6.779 ng

RT: 15.044 min Scan# 11

Delta R.T. -0.336 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

Tgt Ion:165 Resp: 7889

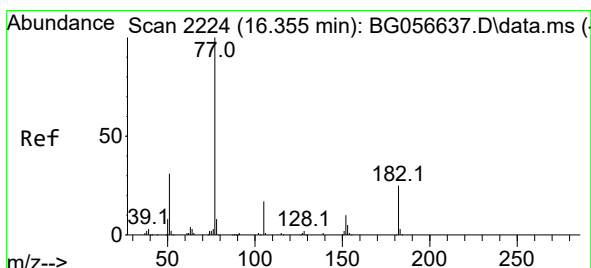
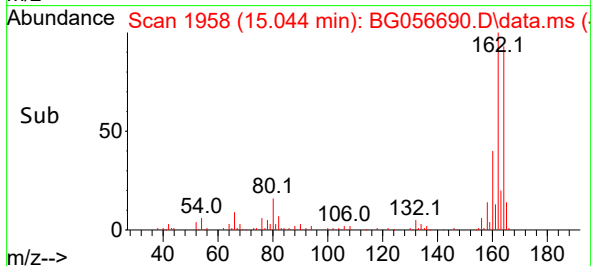
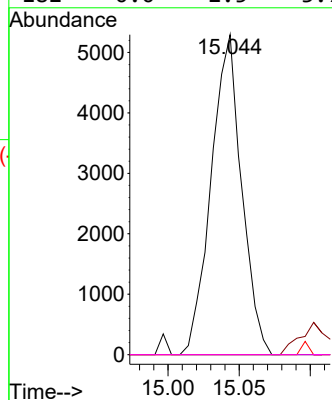
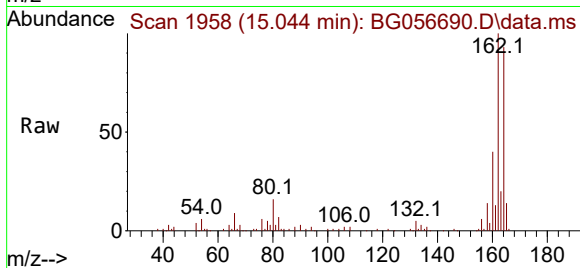
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 53.8 80.8#

182 0.0 2.5 3.7#



#63

Azobenzene

Concen: 10.142 ng

RT: 16.377 min Scan# 2185

Delta R.T. 0.022 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Tgt Ion: 77 Resp: 48858

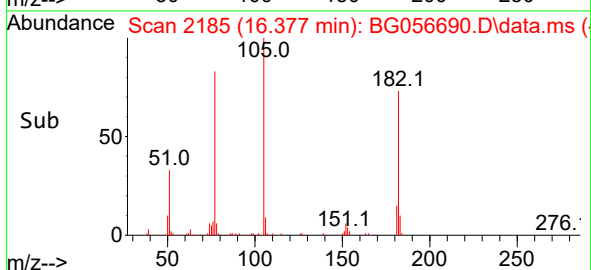
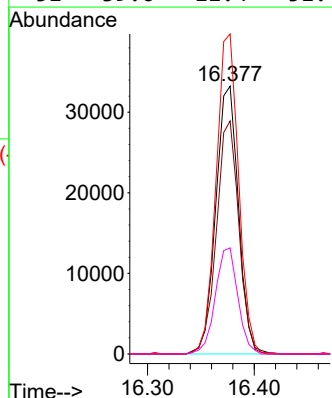
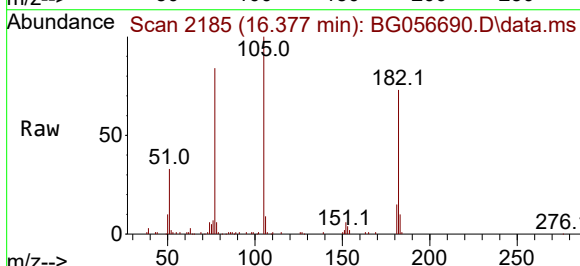
Ion Ratio Lower Upper

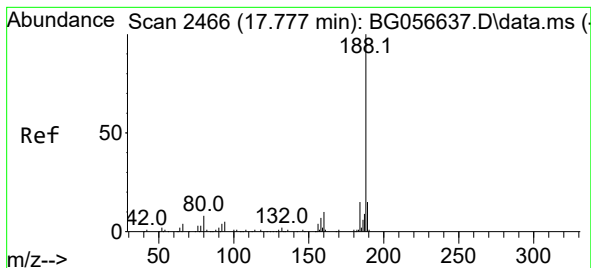
77 100

182 87.0 5.2 45.2#

105 119.5 0.0 37.3#

51 39.6 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.776 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

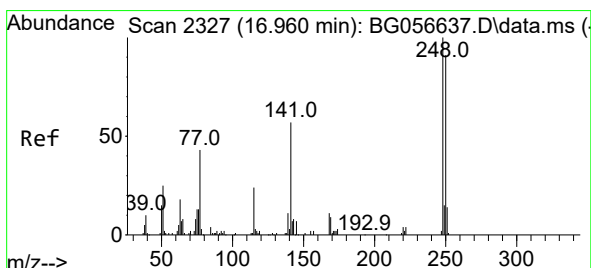
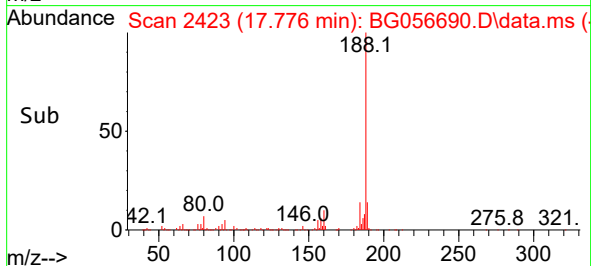
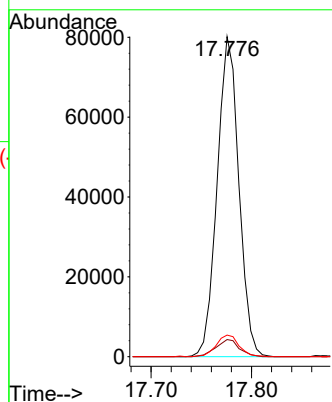
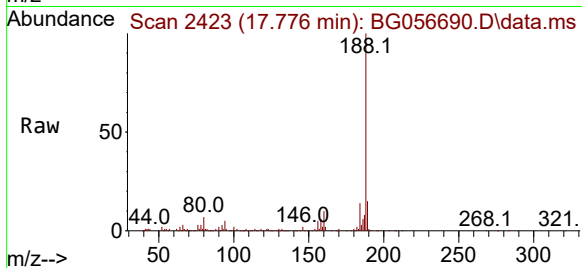
Tgt Ion:188 Resp: 120020

Ion Ratio Lower Upper

188 100

94 5.4 4.0 6.0

80 6.8 6.3 9.5



#67

4-Bromophenyl-phenylether

Concen: 3.417 ng

RT: 16.512 min Scan# 2208

Delta R.T. -0.448 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

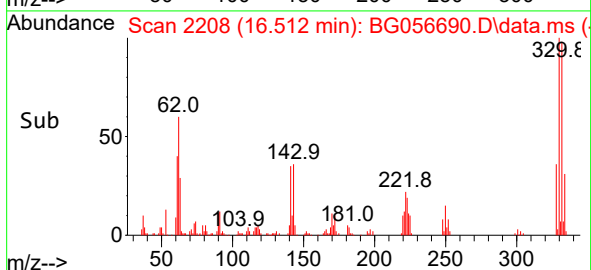
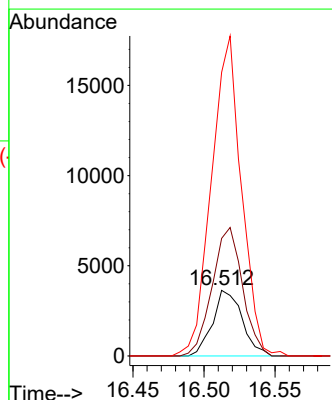
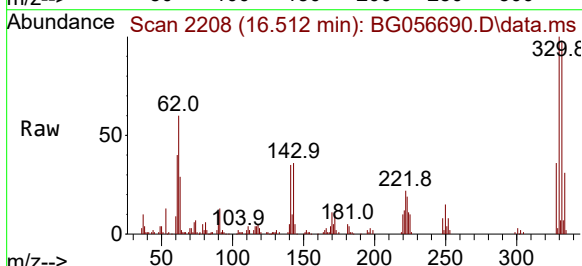
Tgt Ion:248 Resp: 5266

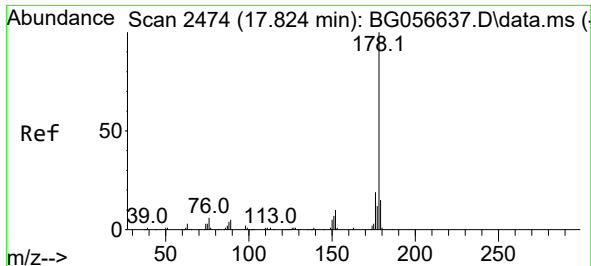
Ion Ratio Lower Upper

248 100

250 179.2 73.0 109.6#

141 432.0 45.6 68.4#

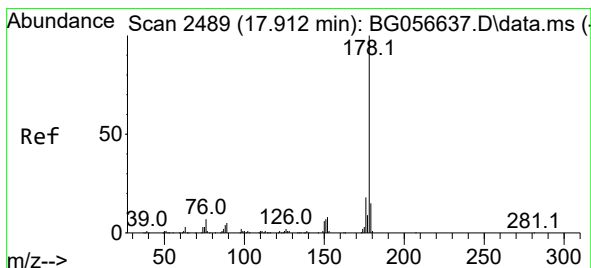
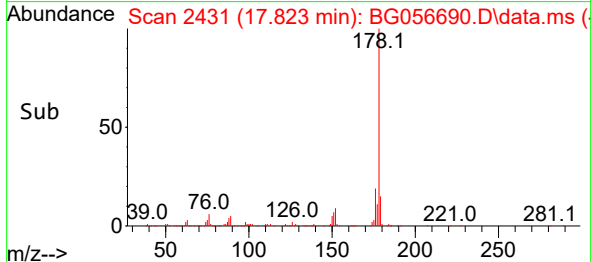
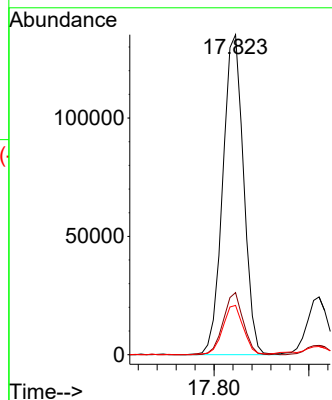
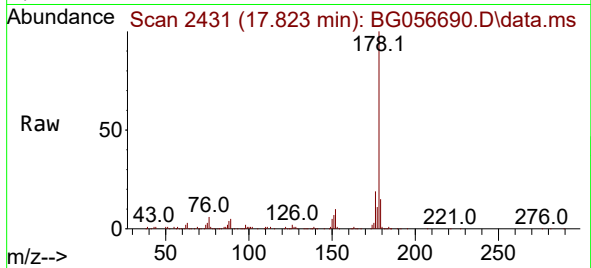




#71
Phenanthrene
Concen: 31.559 ng
RT: 17.823 min Scan# 2474
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

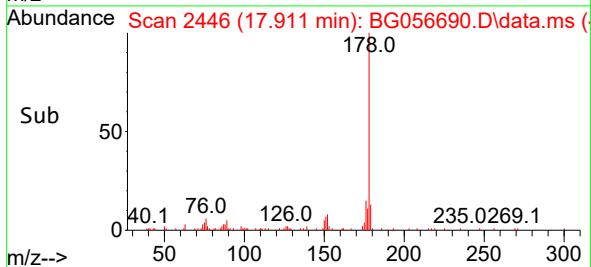
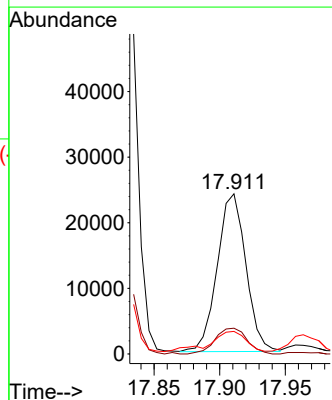
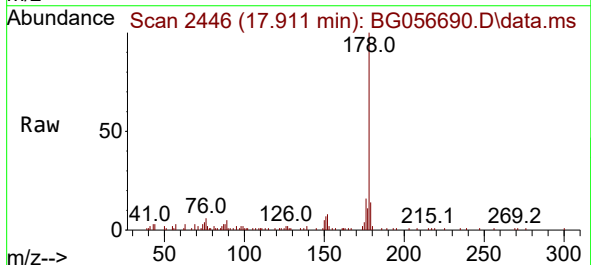
Instrument :
BNA_G
ClientSampleId :
VNJ-210

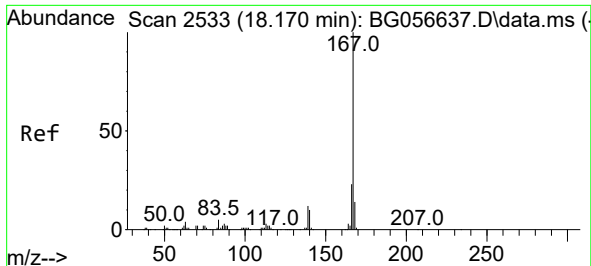
Tgt Ion:178 Resp: 206074
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.2 18.4



#72
Anthracene
Concen: 5.469 ng
RT: 17.911 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:178 Resp: 36538
Ion Ratio Lower Upper
178 100
176 16.1 14.3 21.5
179 14.1 12.2 18.4

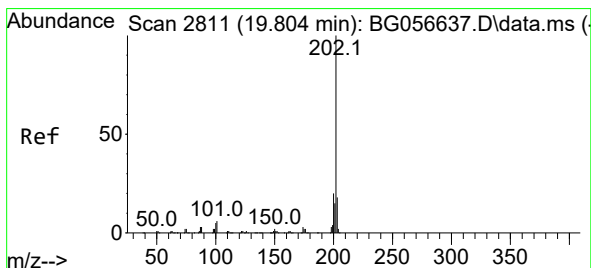
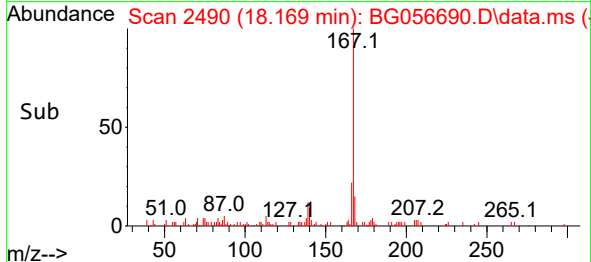
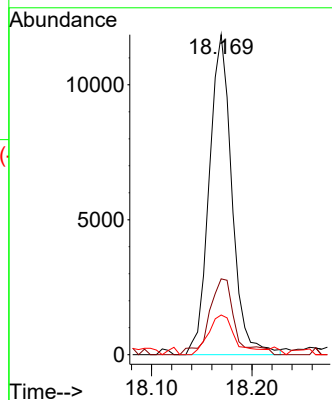
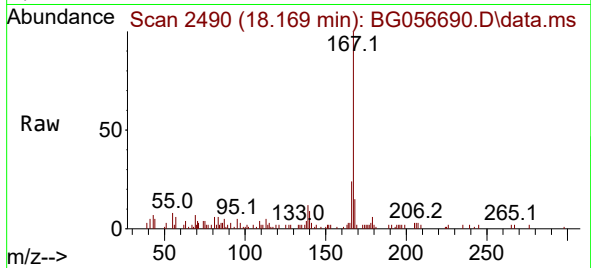




#73
 Carbazole
 Concen: 3.242 ng
 RT: 18.169 min Scan# 24
 Delta R.T. -0.001 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

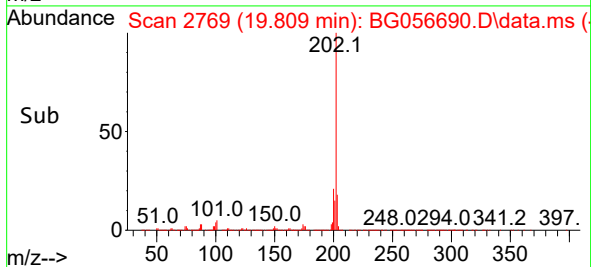
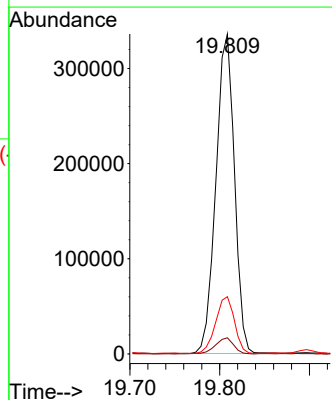
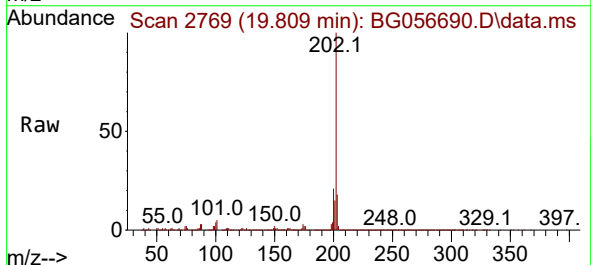
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

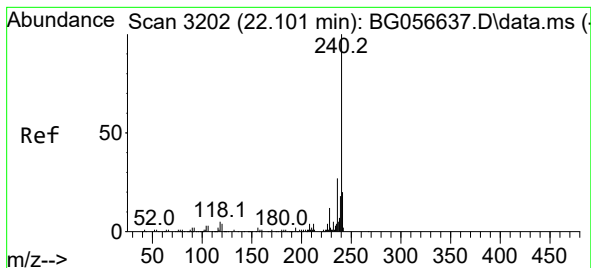
Tgt Ion:167 Resp: 18675
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.1 27.1
 139 12.4 9.4 14.0



#75
 Fluoranthene
 Concen: 55.803 ng
 RT: 19.809 min Scan# 2769
 Delta R.T. 0.005 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

Tgt Ion:202 Resp: 480788
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 25.8
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.100 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

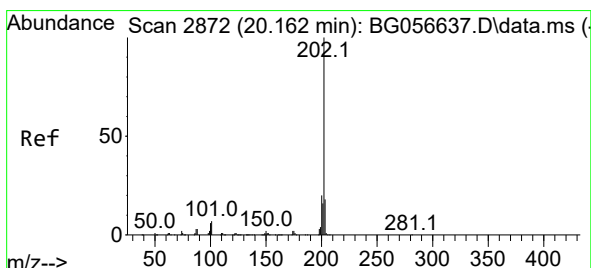
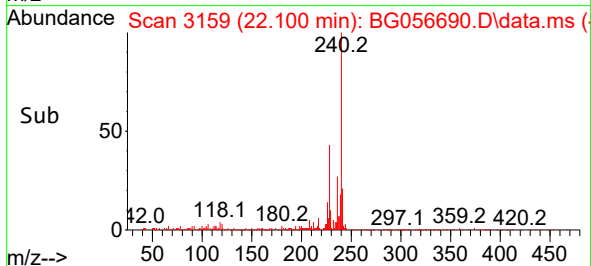
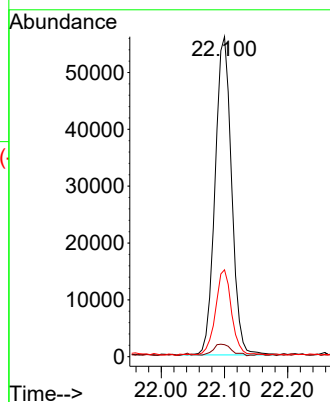
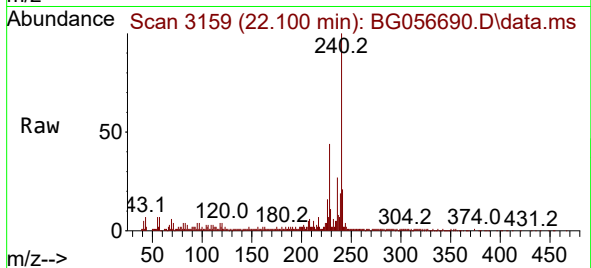
Tgt Ion:240 Resp: 101551

Ion Ratio Lower Upper

240 100

120 5.0 3.5 5.3

236 27.2 21.5 32.3



#78

Pyrene

Concen: 51.968 ng

RT: 20.167 min Scan# 2830

Delta R.T. 0.005 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

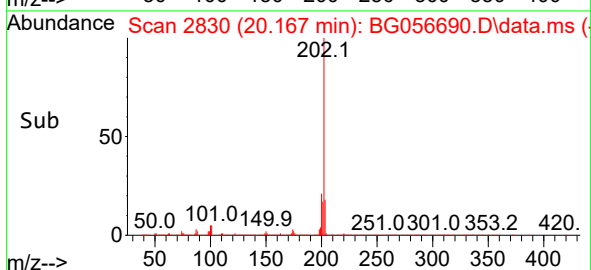
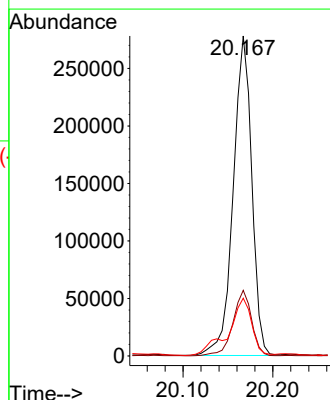
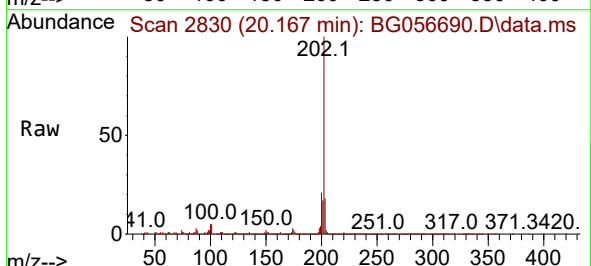
Tgt Ion:202 Resp: 398564

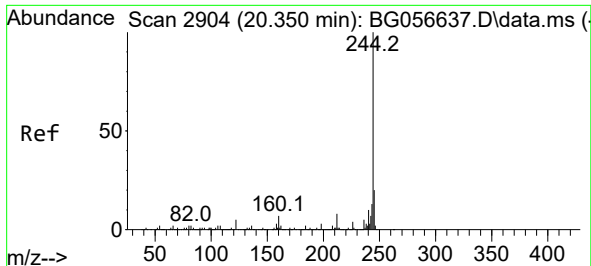
Ion Ratio Lower Upper

202 100

200 20.5 15.8 23.8

203 18.0 14.2 21.4

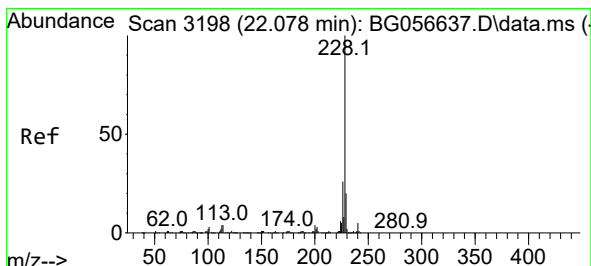
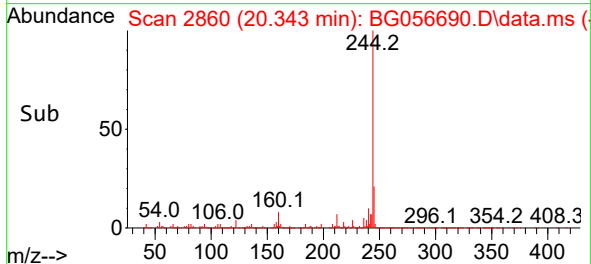
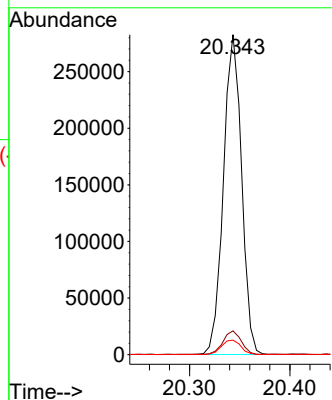
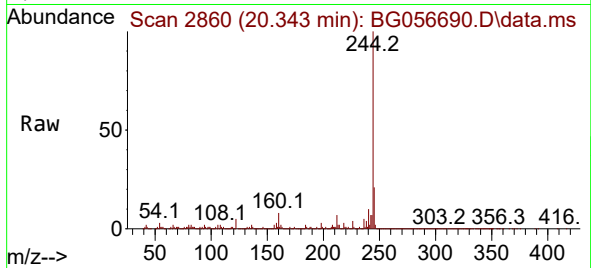




#79
 Terphenyl-d14
 Concen: 57.034 ng
 RT: 20.343 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

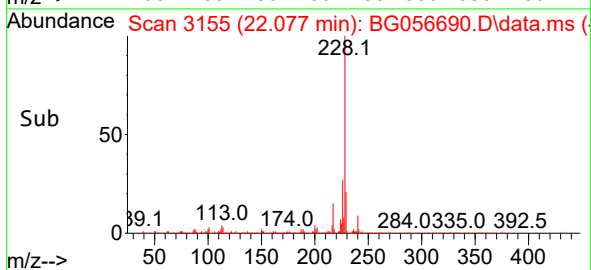
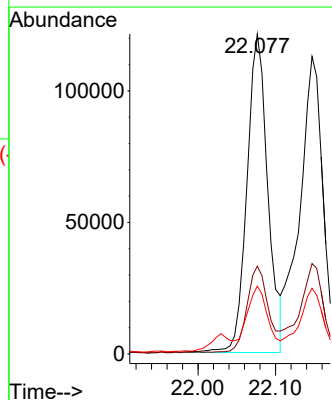
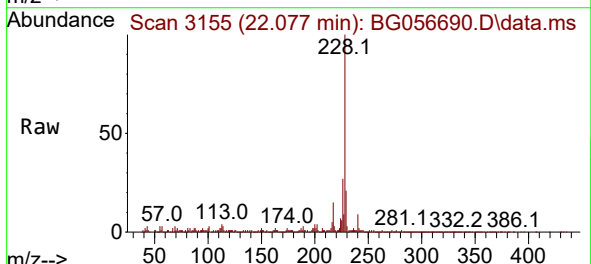
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

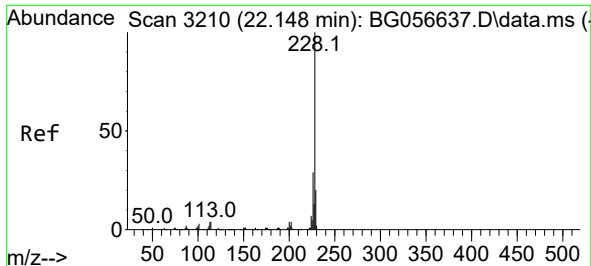
Tgt Ion:244 Resp: 354002
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 4.6 3.8 5.8



#81
 Benzo(a)anthracene
 Concen: 29.948 ng
 RT: 22.077 min Scan# 3155
 Delta R.T. -0.001 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

Tgt Ion:228 Resp: 226168
 Ion Ratio Lower Upper
 228 100
 226 27.4 20.4 30.6
 229 21.2 16.0 24.0





#83

Chrysene

Concen: 33.124 ng

RT: 22.147 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

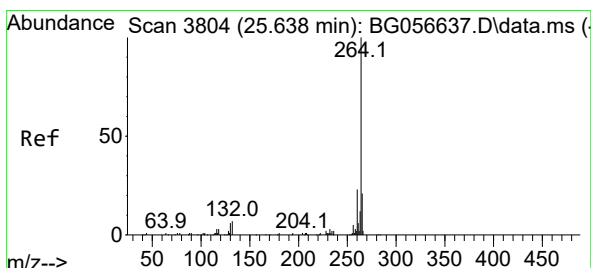
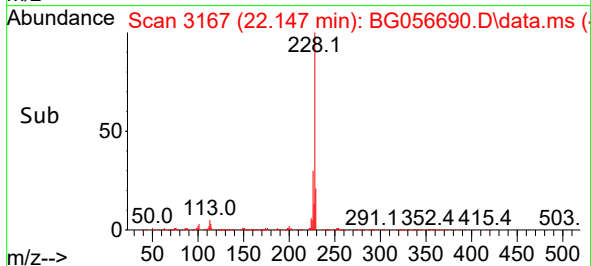
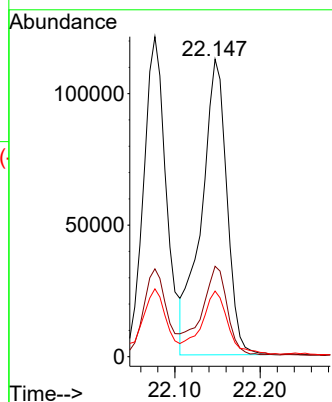
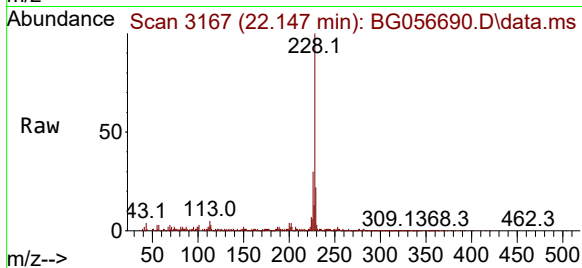
Tgt Ion:228 Resp: 233854

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.6

229 22.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.655 min Scan# 3764

Delta R.T. 0.017 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

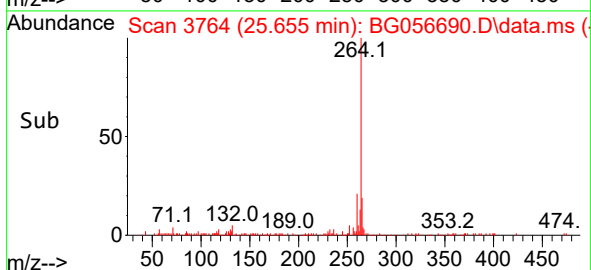
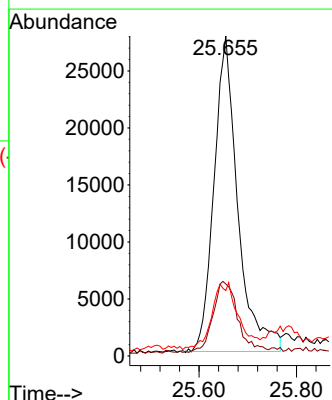
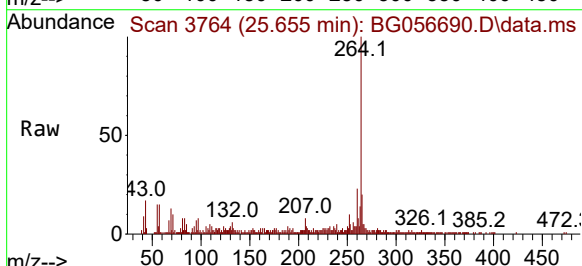
Tgt Ion:264 Resp: 93610

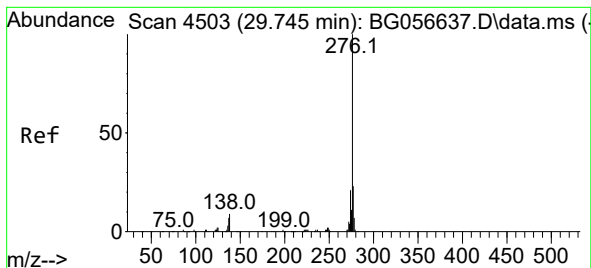
Ion Ratio Lower Upper

264 100

260 22.5 18.6 27.8

265 20.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.228 ng

RT: 29.750 min Scan# 4

Delta R.T. 0.005 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

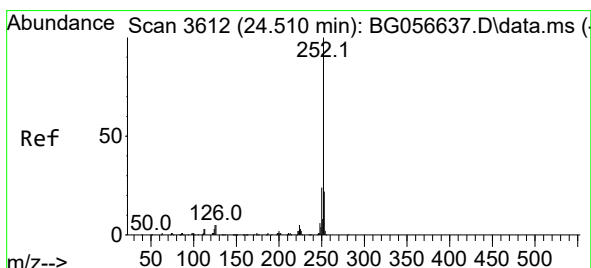
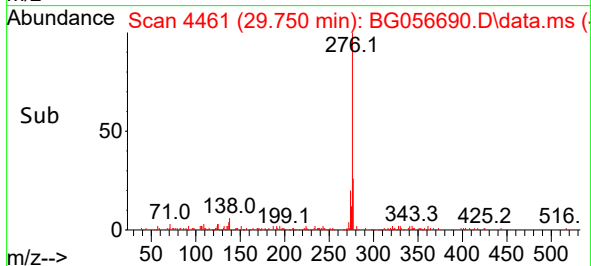
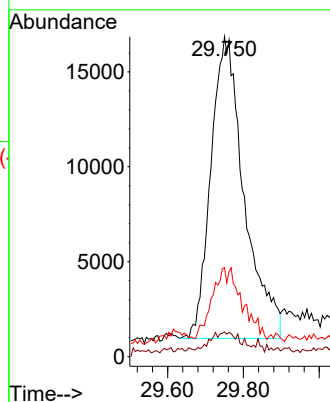
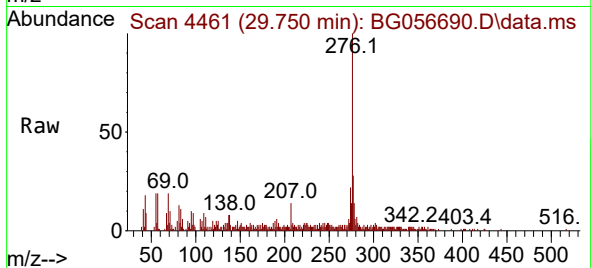
Tgt Ion:276 Resp: 96975

Ion Ratio Lower Upper

276 100

138 0.0 3.8 5.8#

277 10.4 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 51.080 ng

RT: 24.521 min Scan# 3571

Delta R.T. 0.011 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

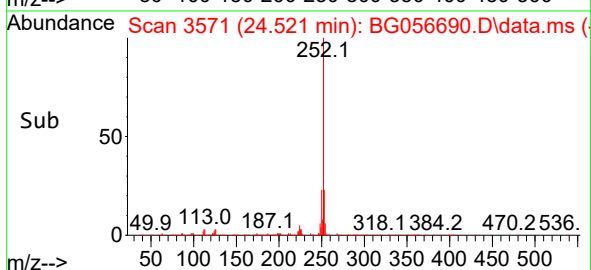
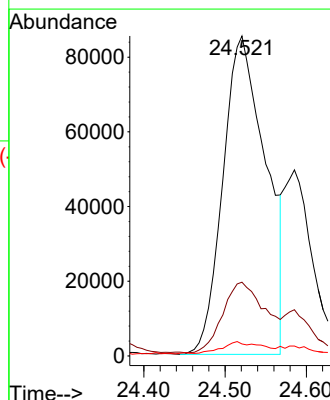
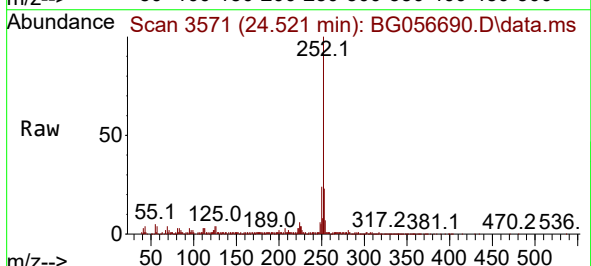
Tgt Ion:252 Resp: 312384

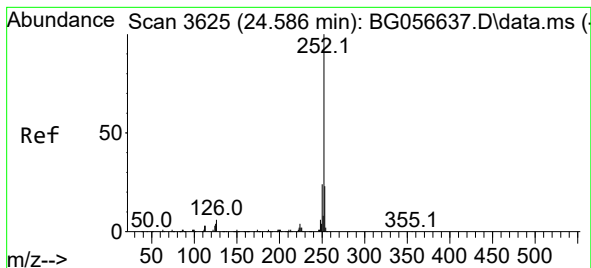
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 3.8 3.7 5.5





#89

Benzo(k)fluoranthene

Concen: 51.943 ng

RT: 24.521 min Scan# 31

Delta R.T. -0.066 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

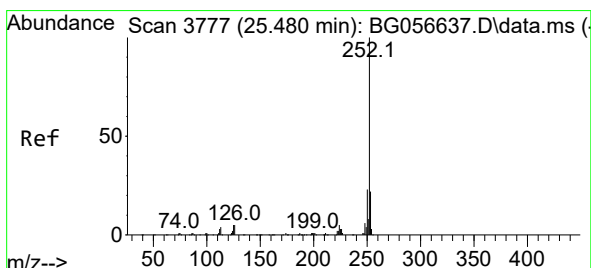
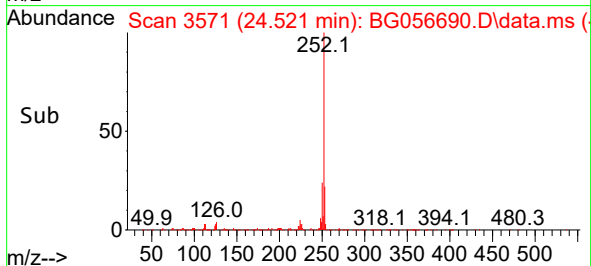
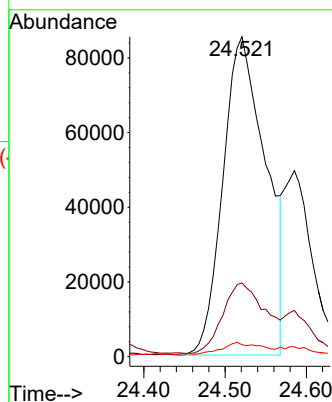
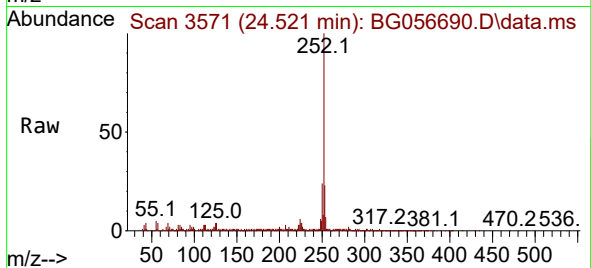
Tgt Ion:252 Resp: 312384

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

125 3.8 3.4 5.0



#90

Benzo(a)pyrene

Concen: 30.740 ng

RT: 25.490 min Scan# 3736

Delta R.T. 0.011 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

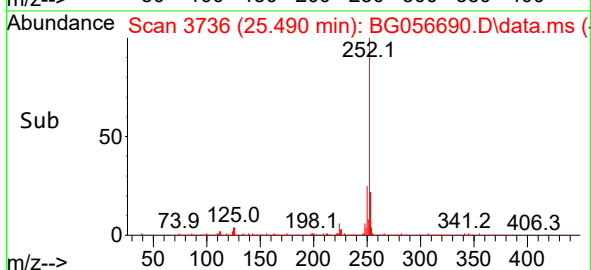
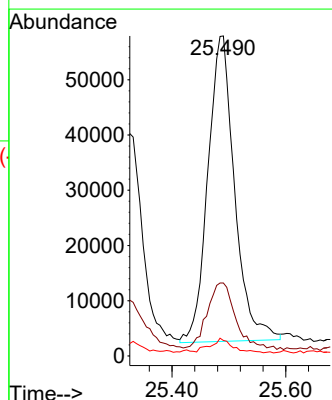
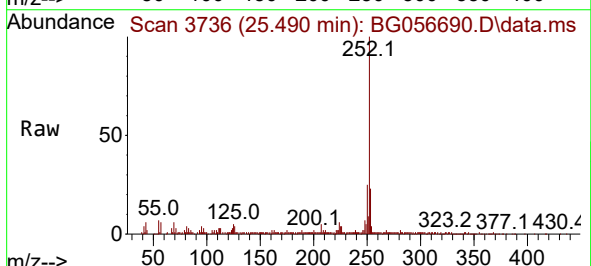
Tgt Ion:252 Resp: 180705

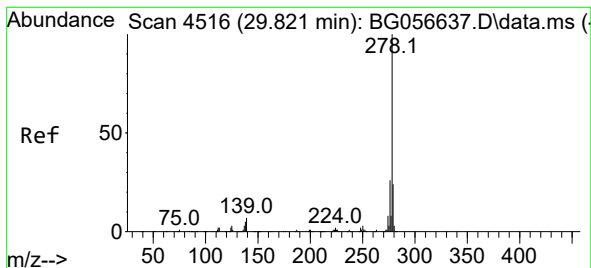
Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 4.9 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 3.921 ng

RT: 29.809 min Scan# 4471

Delta R.T. -0.013 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

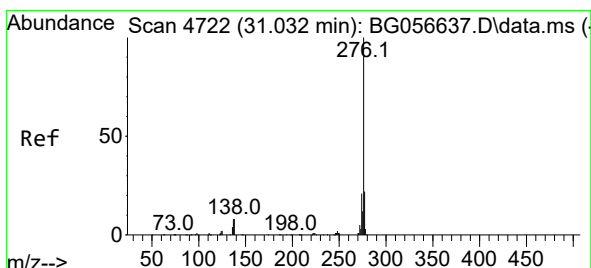
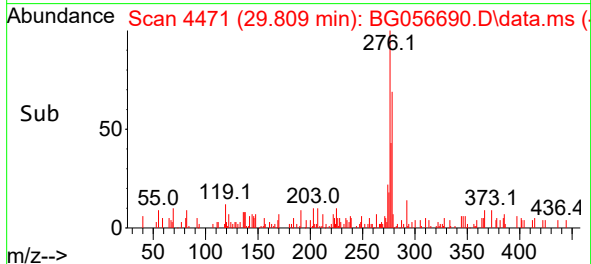
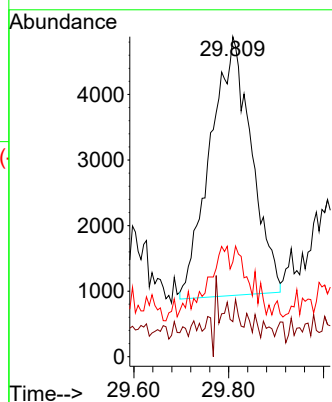
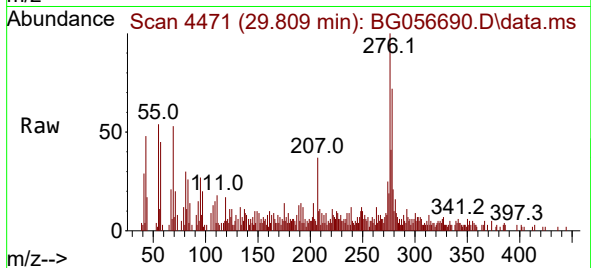
Tgt Ion:278 Resp: 23810

Ion Ratio Lower Upper

278 100

139 10.9 5.8 8.8#

279 29.6 19.6 29.4#



#92

Benzo(g,h,i)perylene

Concen: 13.659 ng

RT: 31.042 min Scan# 4681

Delta R.T. 0.011 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Tgt Ion:276 Resp: 81041

Ion Ratio Lower Upper

276 100

277 27.3 17.5 26.3#

138 7.2 6.4 9.6

