

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059777.D
 Acq On : 20 Nov 2023 20:29
 Operator : MA/JU
 Sample : 05351-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241

Quant Time: Nov 21 00:20:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

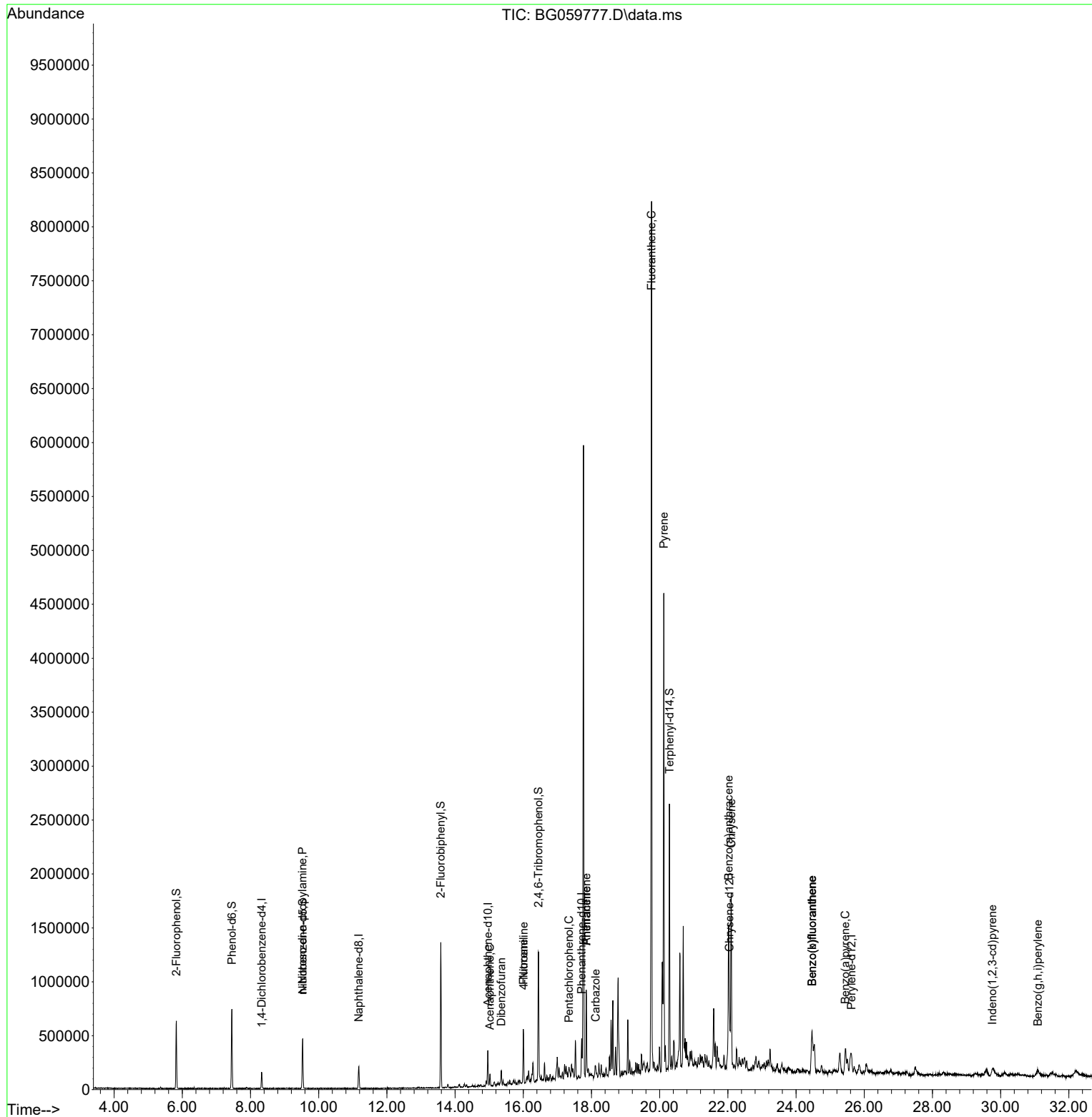
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	30416	20.000	ng	#-0.01
21) Naphthalene-d8	11.179	136	148904	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	96646	20.000	ng	# 0.00
64) Phenanthrene-d10	17.713	188	198295	20.000	ng	0.00
76) Chrysene-d12	22.043	240	178680	20.000	ng	# 0.00
86) Perylene-d12	25.627	264	200458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	204319	113.065	ng	0.00
7) Phenol-d6	7.454	99	305201	113.968	ng	0.00
23) Nitrobenzene-d5	9.534	82	288334	73.954	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	137290	125.200	ng	0.00
45) 2-Fluorobiphenyl	13.582	172	563110	78.428	ng	-0.01
79) Terphenyl-d14	20.292	244	901531	74.484	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.528	70	48250	22.880	ng	# 76
52) Acenaphthene	15.022	154	30302	5.669	ng	94
55) Dibenzofuran	15.357	168	68328	7.753	ng	95
58) Fluorene	16.003	166	182802	24.967	ng	# 92
62) 4-Nitroaniline	16.009	138	3371	2.022	ng	# 1
70) Pentachlorophenol	17.342	266	11805	7.782	ng	93
71) Phenanthrene	17.848	178	429513	42.603	ng	95
72) Anthracene	17.848	178	429513	41.003	ng	96
73) Carbazole	18.124	167	26683	2.916	ng	97
75) Fluoranthene	19.763	202	4296634	355.375	ng	94
78) Pyrene	20.122	202	2615440	215.134	ng	96
81) Benzo(a)anthracene	22.025	228	825318	67.507	ng	98
83) Chrysene	22.102	228	1098042	97.976	ng	94
87) Indeno(1,2,3-cd)pyrene	29.757	276	59233	3.905	ng	# 55
88) Benzo(b)fluoranthene	24.469	252	538496	49.012	ng	# 94
89) Benzo(k)fluoranthene	24.469	252	538496	49.576	ng	# 92
90) Benzo(a)pyrene	25.445	252	267477	22.811	ng	95
92) Benzo(g,h,i)perylene	31.091	276	109814	9.019	ng	# 98

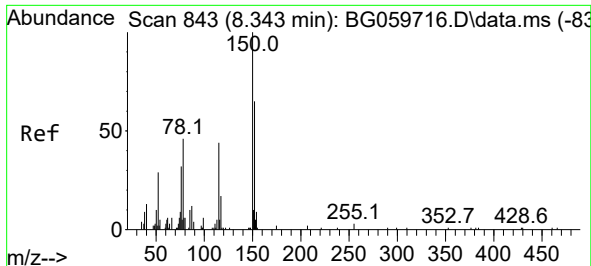
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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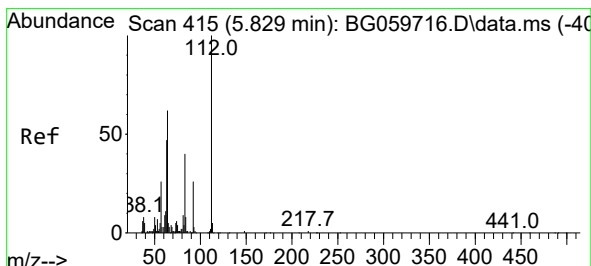
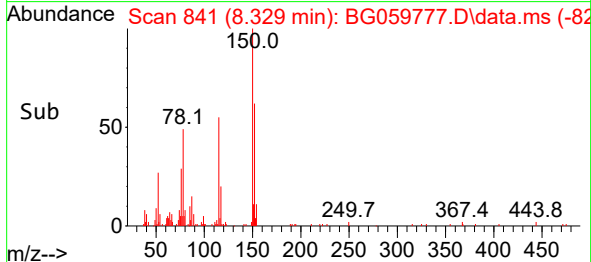
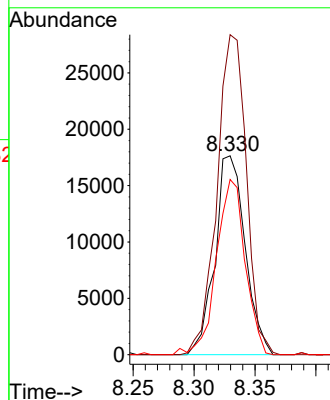
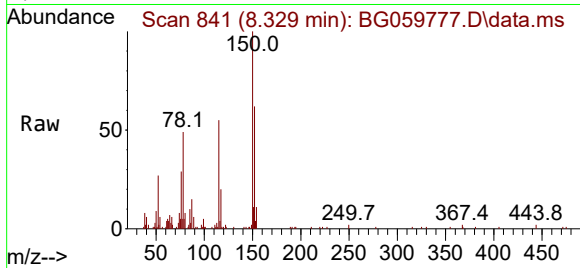




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 84
Delta R.T. -0.014 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

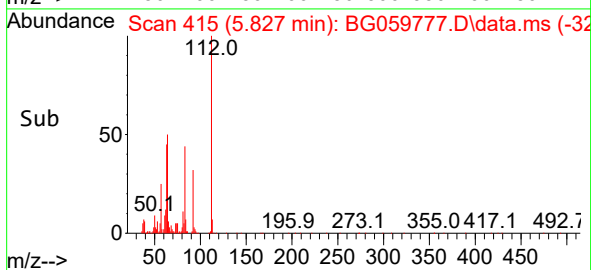
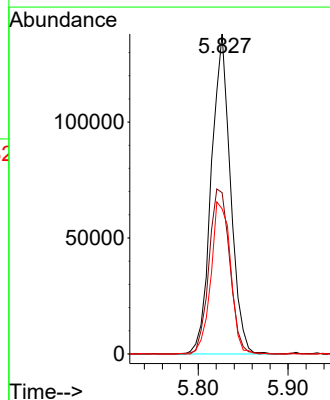
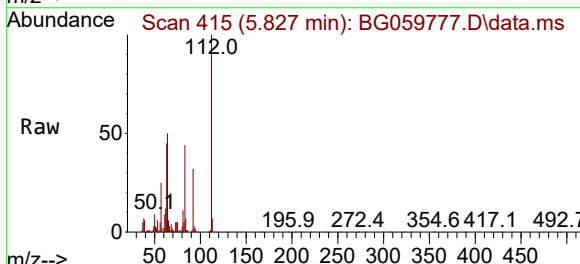
Instrument :
BNA_G
ClientSampleId :
VNJ-241

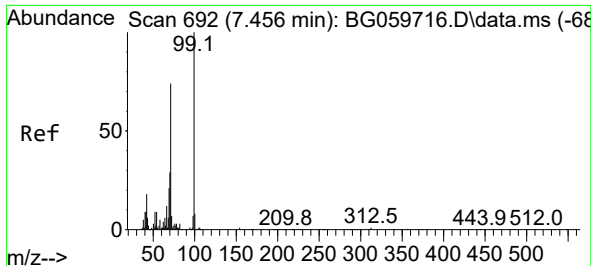
Tgt Ion:152 Resp: 30416
Ion Ratio Lower Upper
152 100
150 161.0 122.2 183.4
115 88.2 54.2 81.4#



#5
2-Fluorophenol
Concen: 113.065 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:112 Resp: 204319
Ion Ratio Lower Upper
112 100
64 50.4 49.5 74.3
63 45.4 37.4 56.2

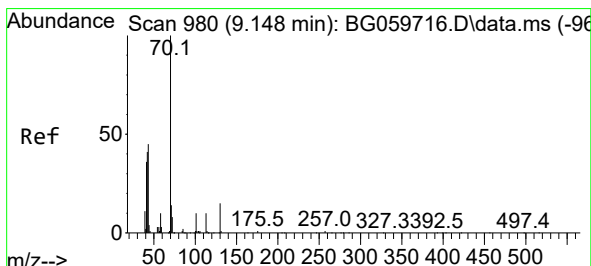
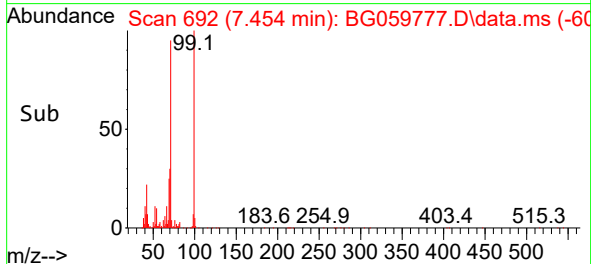
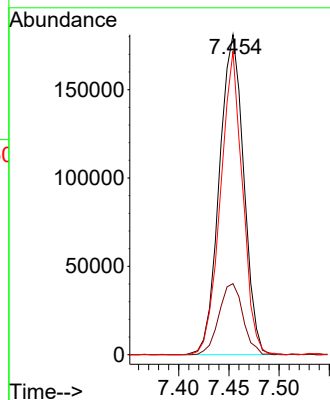
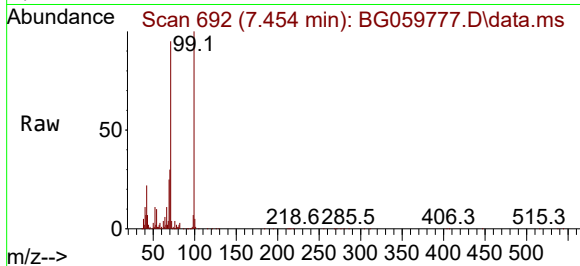




#7
Phenol-d6
Concen: 113.968 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

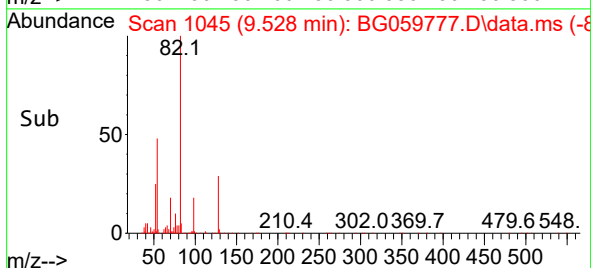
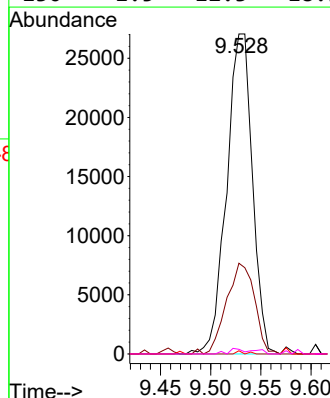
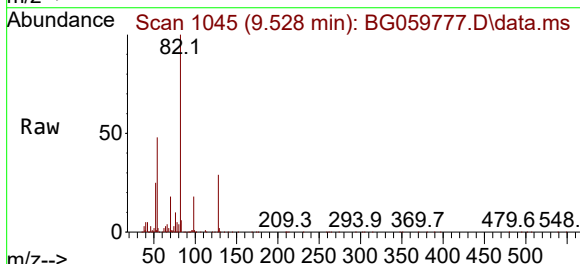
Instrument :
BNA_G
ClientSampleId :
VNJ-241

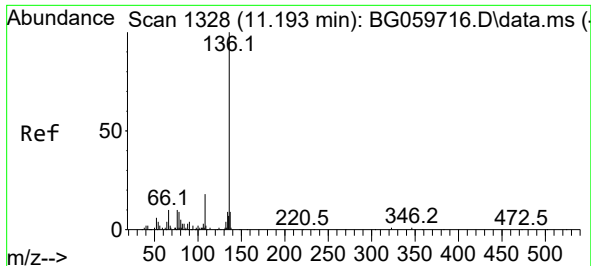
Tgt Ion: 99 Resp: 305201
Ion Ratio Lower Upper
99 100
42 22.2 14.3 21.5#
71 94.8 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 22.880 ng
RT: 9.528 min Scan# 1045
Delta R.T. 0.380 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion: 70 Resp: 48250
Ion Ratio Lower Upper
70 100
42 28.4 32.8 49.2#
101 1.0 7.7 11.5#
130 1.5 12.3 18.5#

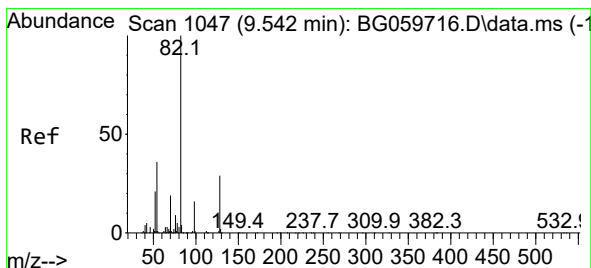
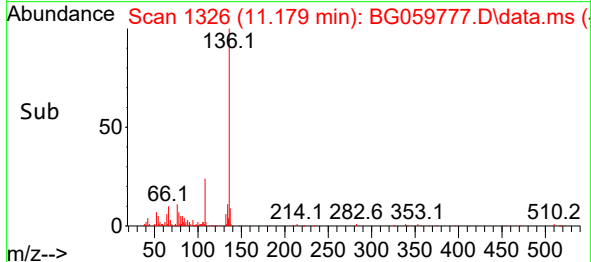
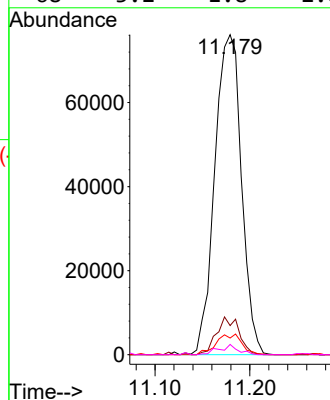
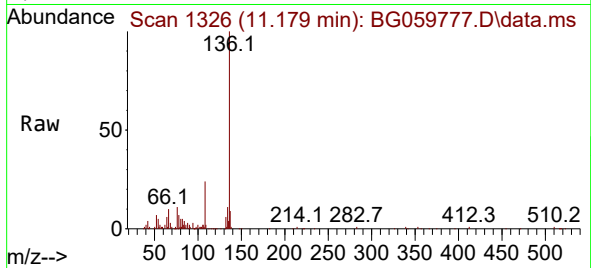




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

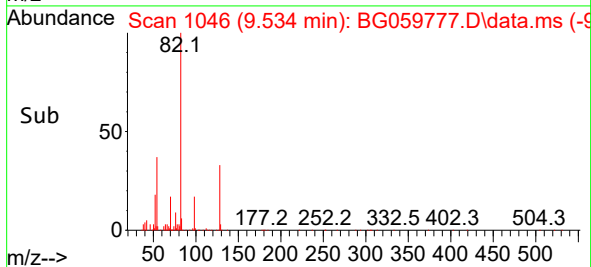
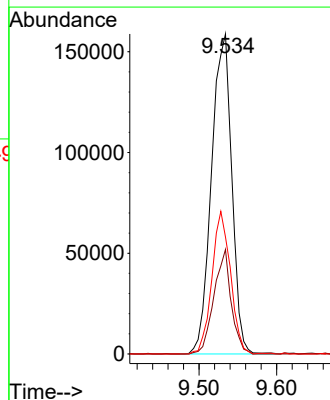
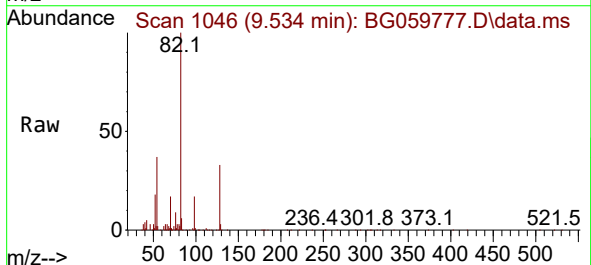
Instrument :
BNA_G
ClientSampleId :
VNJ-241

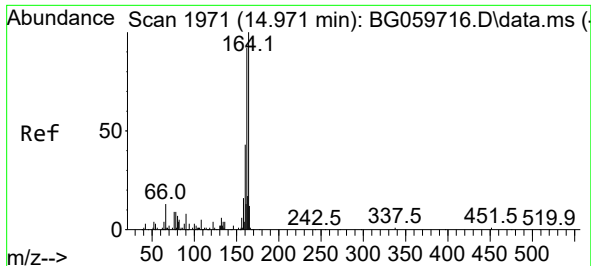
Tgt Ion:136 Resp: 148904
Ion Ratio Lower Upper
136 100
137 9.1 7.4 11.0
54 5.2 3.1 4.7#
68 3.2 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 73.954 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion: 82 Resp: 288334
Ion Ratio Lower Upper
82 100
128 32.7 23.0 34.6
54 36.6 28.7 43.1

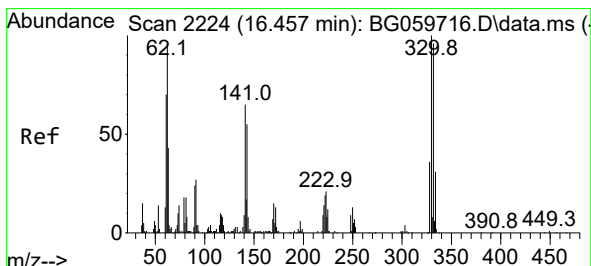
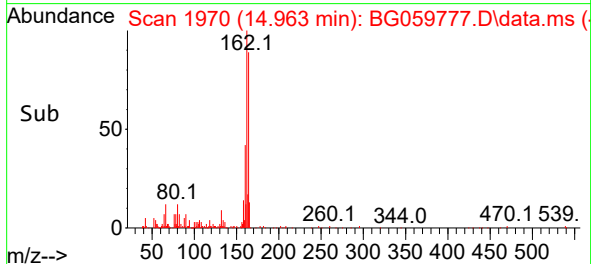
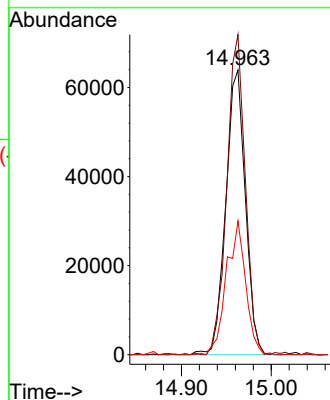
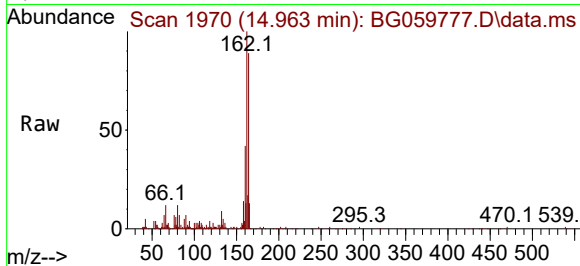




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

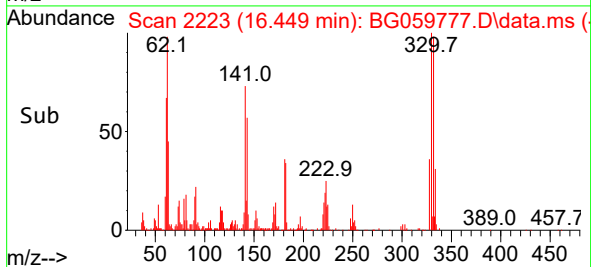
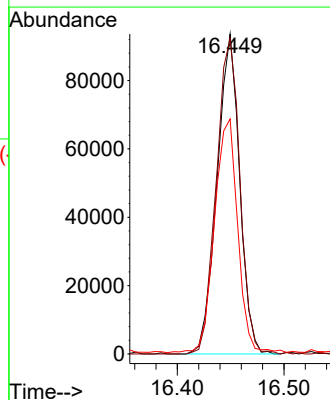
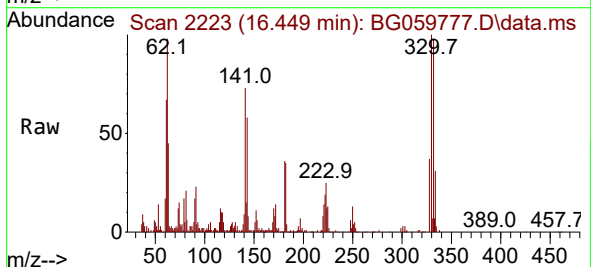
Instrument :
BNA_G
ClientSampleId :
VNJ-241

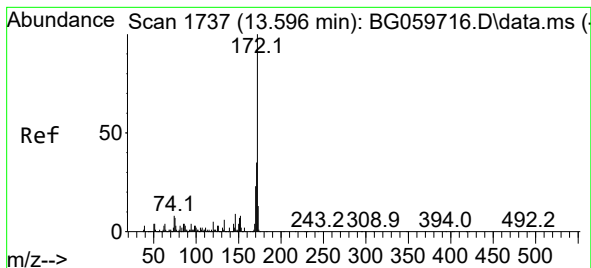
Tgt Ion:164 Resp: 96646
Ion Ratio Lower Upper
164 100
162 112.4 73.3 109.9#
160 46.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 125.200 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:330 Resp: 137290
Ion Ratio Lower Upper
330 100
332 103.0 73.3 109.9
141 75.2 52.1 78.1

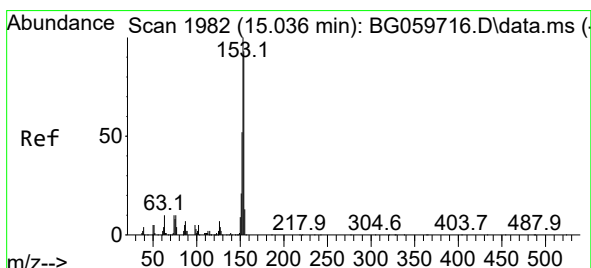
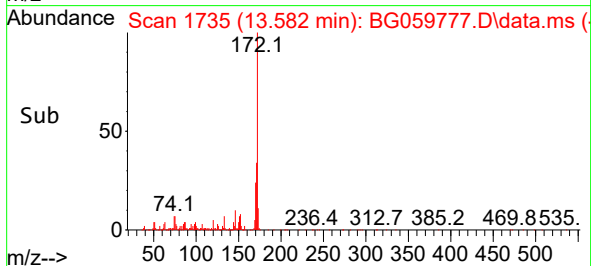
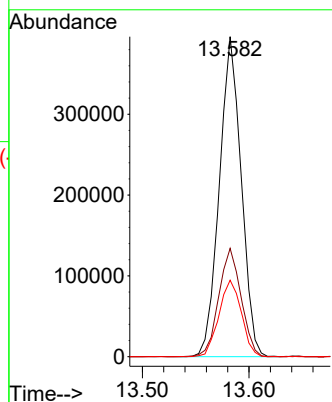
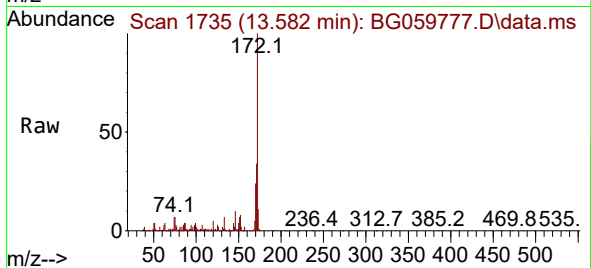




#45
2-Fluorobiphenyl
Concen: 78.428 ng
RT: 13.582 min Scan# 1735
Delta R.T. -0.014 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

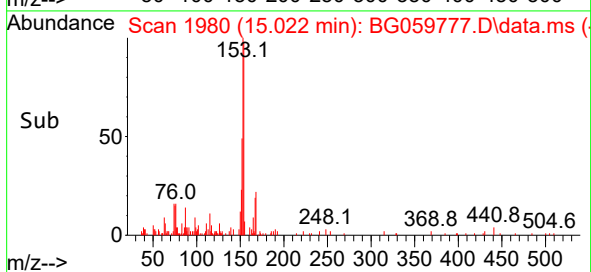
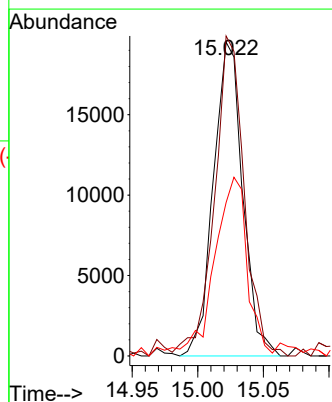
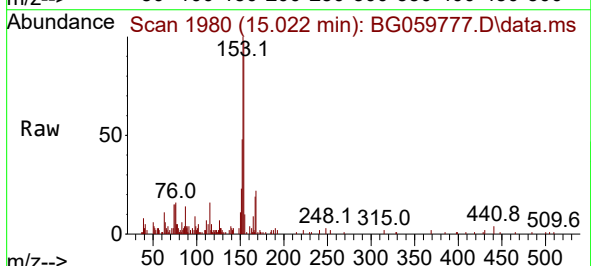
Instrument :
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ClientSampleId :
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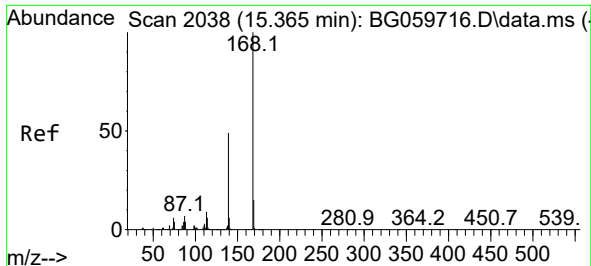
Tgt Ion:172 Resp: 563110
Ion Ratio Lower Upper
172 100
171 33.9 27.7 41.5
170 23.9 18.4 27.6



#52
Acenaphthene
Concen: 5.669 ng
RT: 15.022 min Scan# 1980
Delta R.T. -0.014 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:154 Resp: 30302
Ion Ratio Lower Upper
154 100
153 102.0 85.8 128.8
152 48.9 44.4 66.6

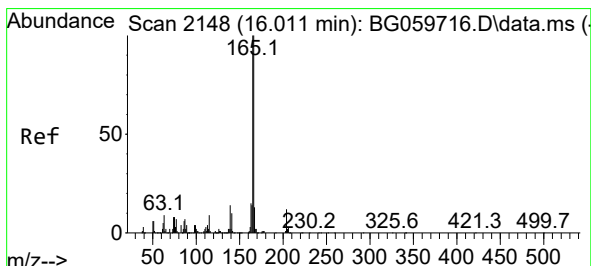
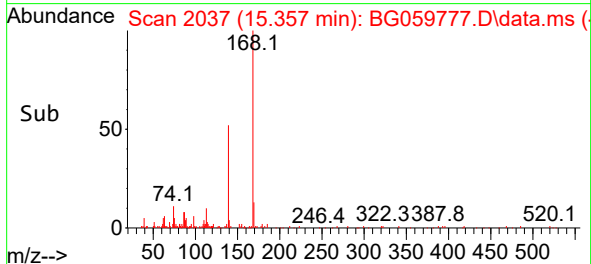
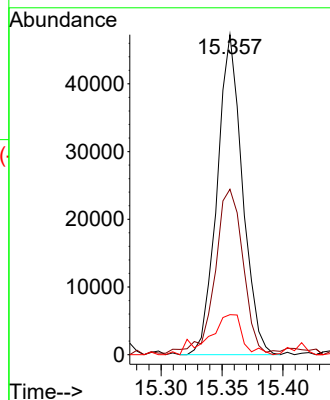
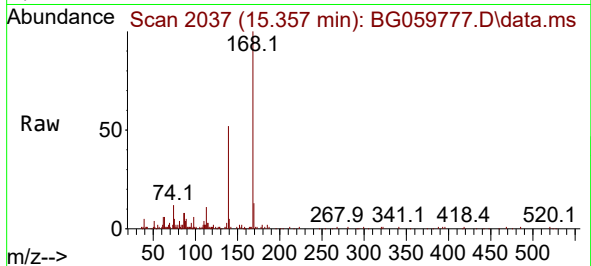




#55
Dibenzenofuran
Concen: 7.753 ng
RT: 15.357 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

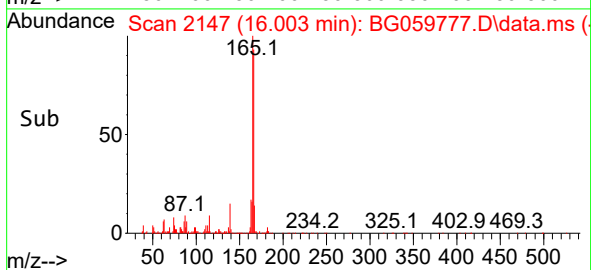
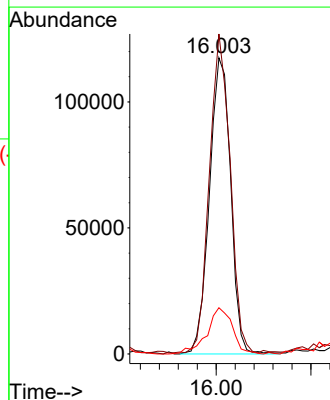
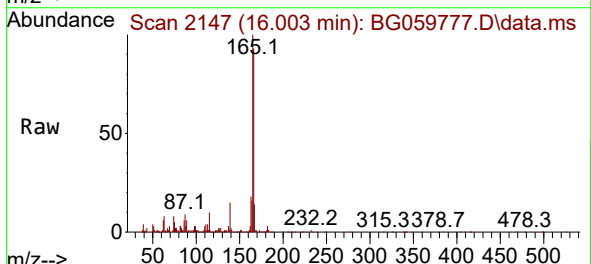
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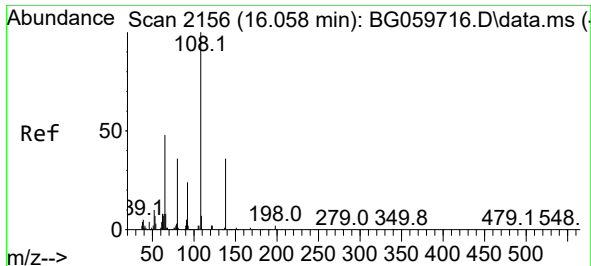
Tgt Ion:168 Resp: 68328
Ion Ratio Lower Upper
168 100
139 51.7 38.9 58.3
169 12.5 11.8 17.8



#58
Fluorene
Concen: 24.967 ng
RT: 16.003 min Scan# 2147
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:166 Resp: 182802
Ion Ratio Lower Upper
166 100
165 108.0 79.9 119.9
167 15.6 10.1 15.1#

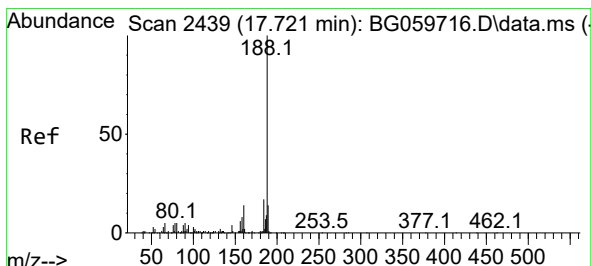
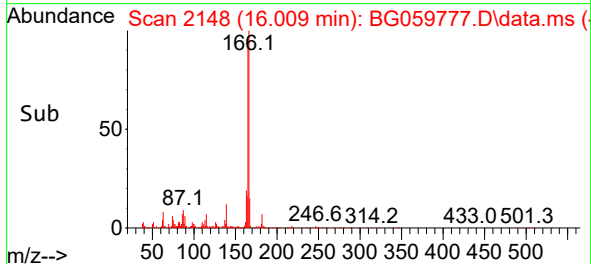
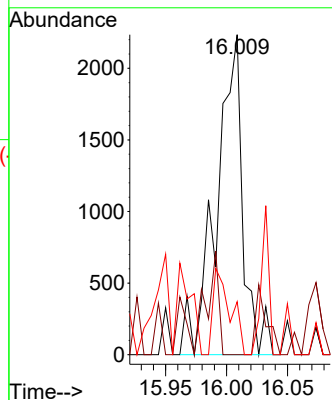
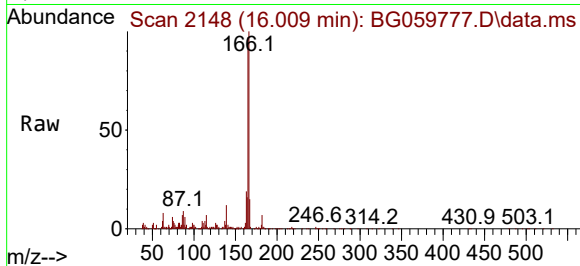




#62
4-Nitroaniline
Concen: 2.022 ng
RT: 16.009 min Scan# 2156
Delta R.T. -0.049 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

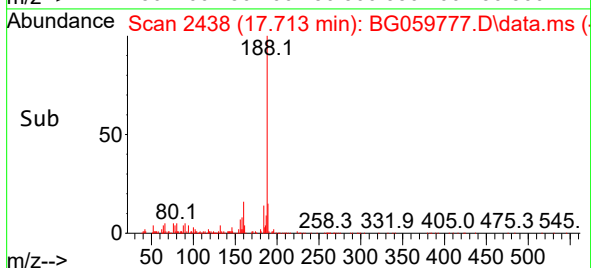
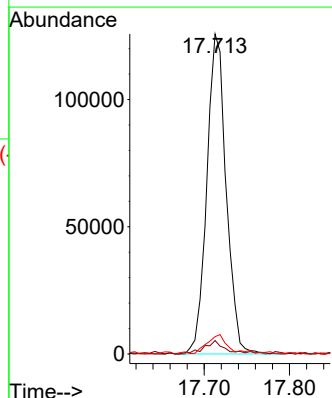
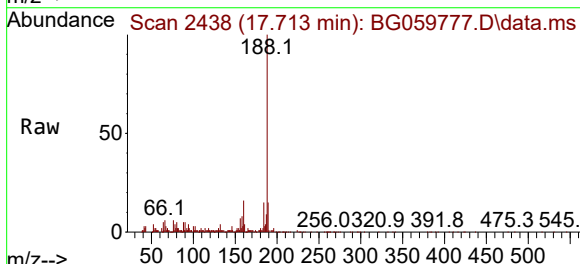
Instrument :
BNA_G
ClientSampleId :
VNJ-241

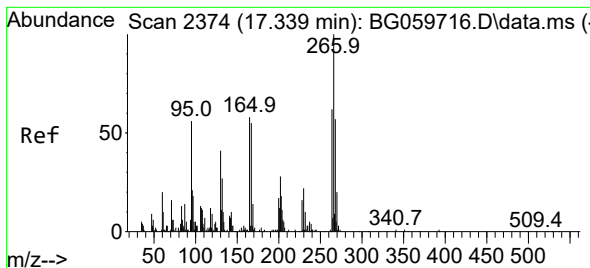
Tgt Ion:138 Resp: 3371
Ion Ratio Lower Upper
138 100
92 0.0 45.8 85.8#
108 16.6 256.3 296.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:188 Resp: 198295
Ion Ratio Lower Upper
188 100
94 4.2 3.0 4.4
80 5.4 4.2 6.4





#70

Pentachlorophenol

Concen: 7.782 ng

RT: 17.342 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

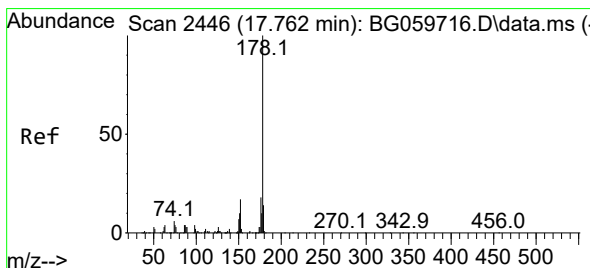
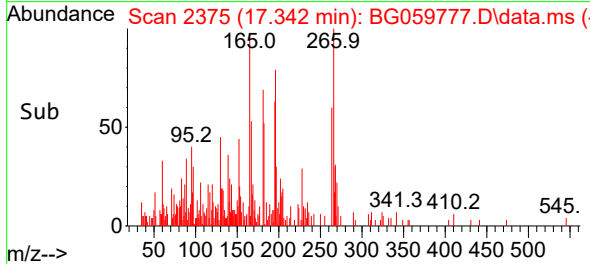
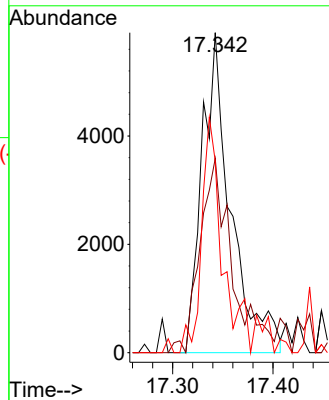
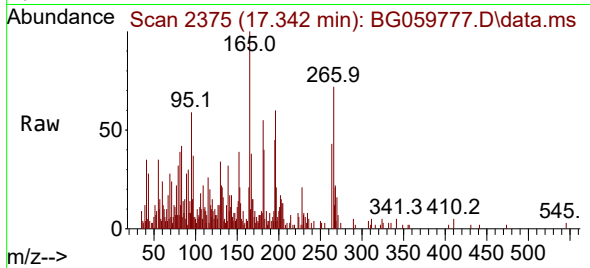
Tgt Ion:266 Resp: 11805

Ion Ratio Lower Upper

266 100

268 65.8 45.7 68.5

264 59.8 49.8 74.8



#71

Phenanthrene

Concen: 42.603 ng

RT: 17.848 min Scan# 2461

Delta R.T. 0.086 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

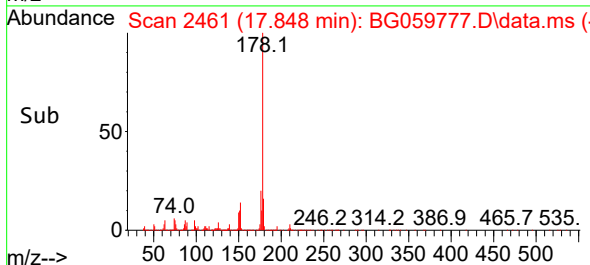
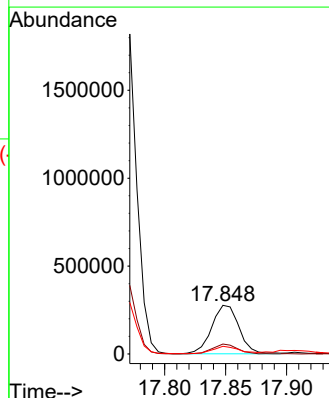
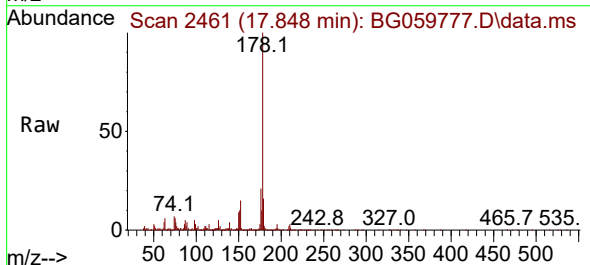
Tgt Ion:178 Resp: 429513

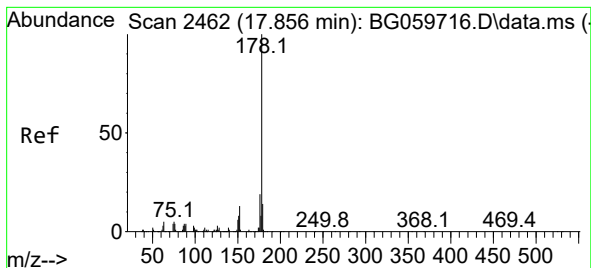
Ion Ratio Lower Upper

178 100

176 20.5 14.5 21.7

179 15.9 11.2 16.8





#72

Anthracene

Concen: 41.003 ng

RT: 17.848 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

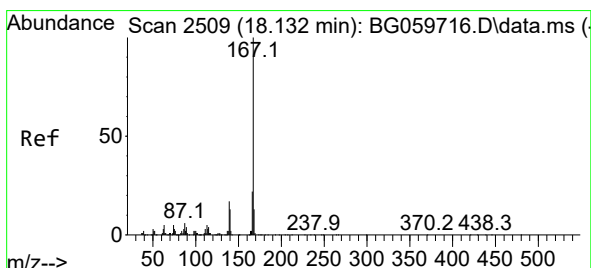
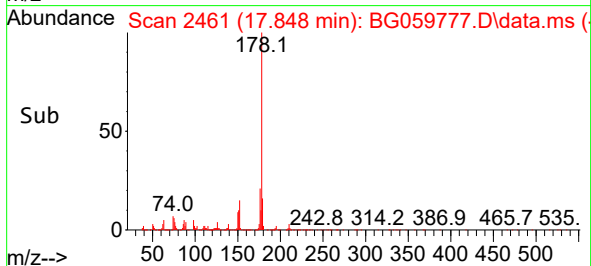
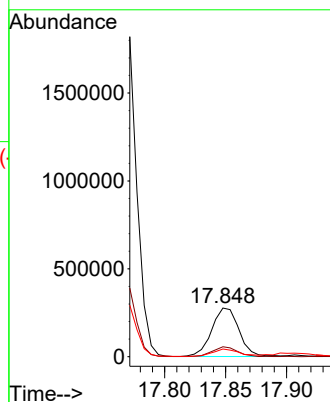
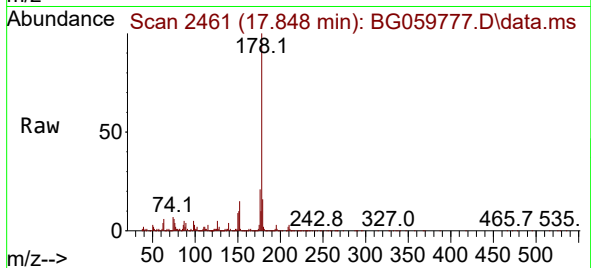
Tgt Ion:178 Resp: 429513

Ion Ratio Lower Upper

178 100

176 20.5 15.0 22.4

179 15.9 11.5 17.3



#73

Carbazole

Concen: 2.916 ng

RT: 18.124 min Scan# 2508

Delta R.T. -0.008 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

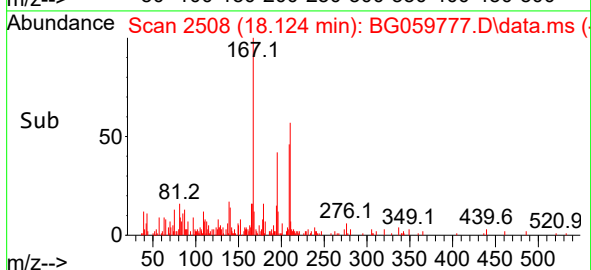
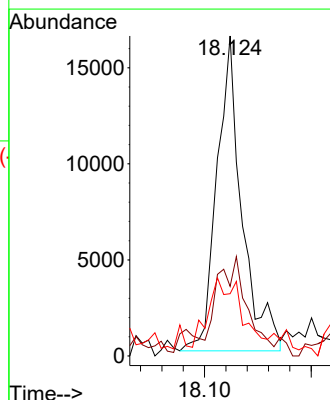
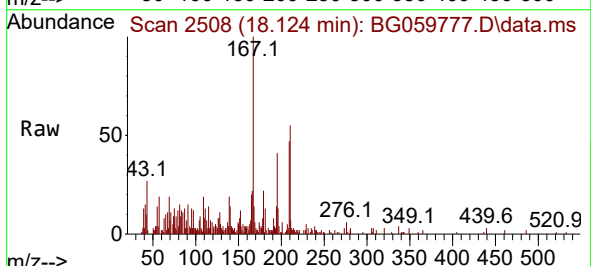
Tgt Ion:167 Resp: 26683

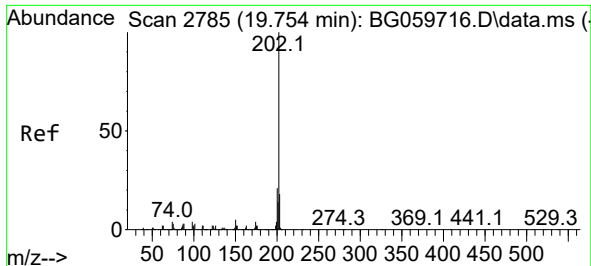
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 19.4 13.2 19.8

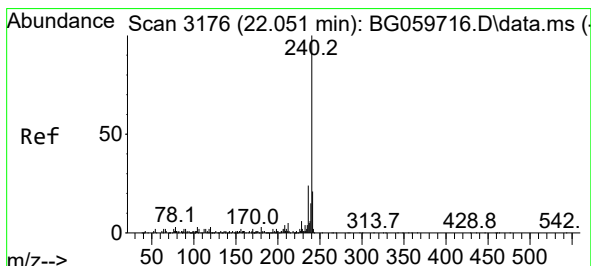
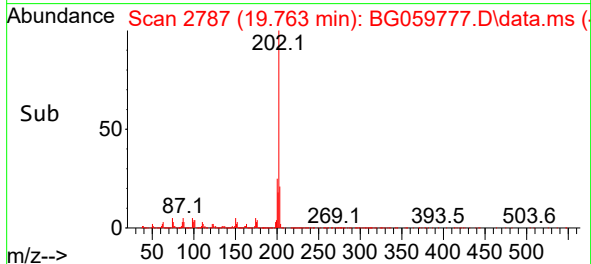
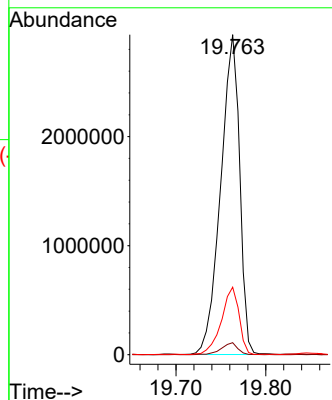
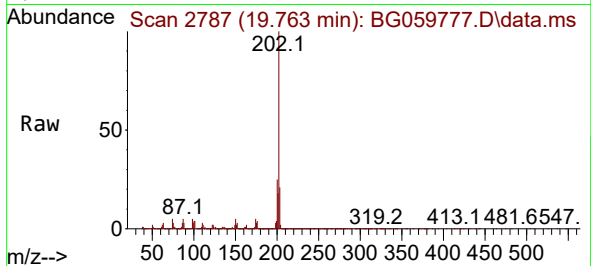




#75
Fluoranthene
Concen: 355.375 ng
RT: 19.763 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

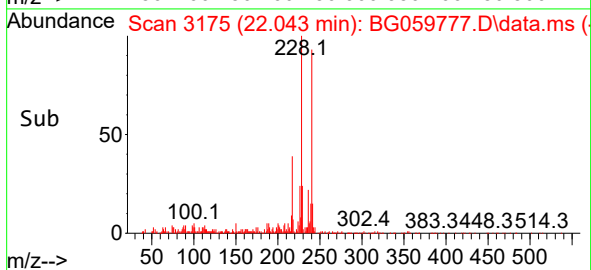
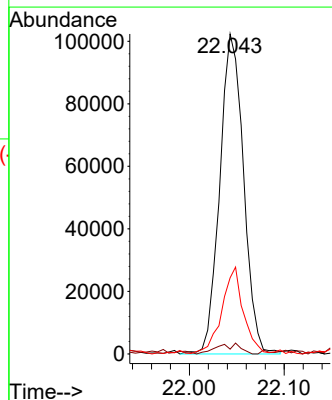
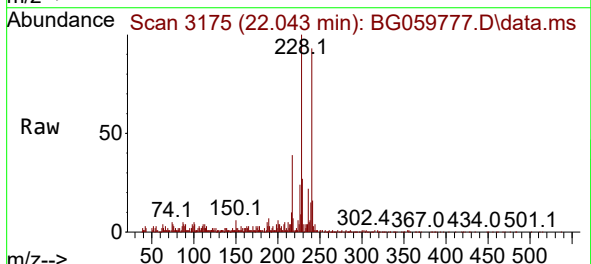
Instrument :
BNA_G
ClientSampleId :
VNJ-241

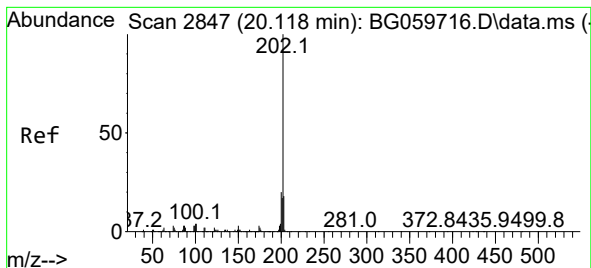
Tgt Ion:202 Resp: 4296634
Ion Ratio Lower Upper
202 100
101 3.7 0.0 22.7
203 21.1 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.043 min Scan# 3175
Delta R.T. -0.008 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:240 Resp: 178680
Ion Ratio Lower Upper
240 100
120 1.5 2.2 3.2#
236 23.8 19.4 29.2





#78

Pyrene

Concen: 215.134 ng

RT: 20.122 min Scan# 2847

Delta R.T. 0.004 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

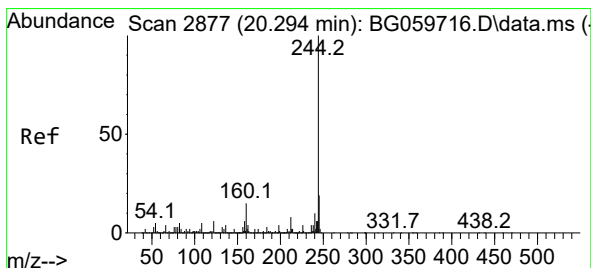
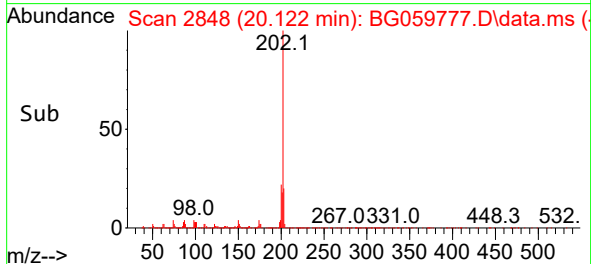
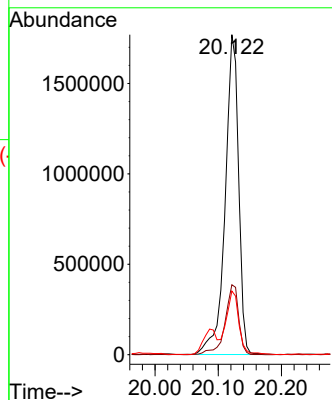
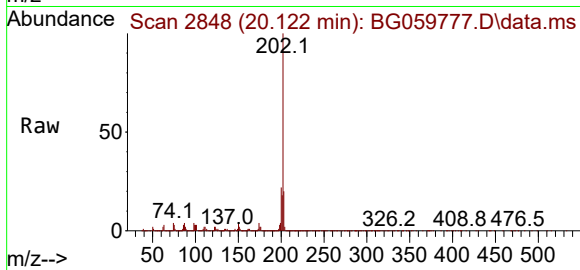
Tgt Ion:202 Resp: 2615440

Ion Ratio Lower Upper

202 100

200 21.8 16.2 24.4

203 19.9 14.0 21.0



#79

Terphenyl-d14

Concen: 74.484 ng

RT: 20.292 min Scan# 2877

Delta R.T. -0.002 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

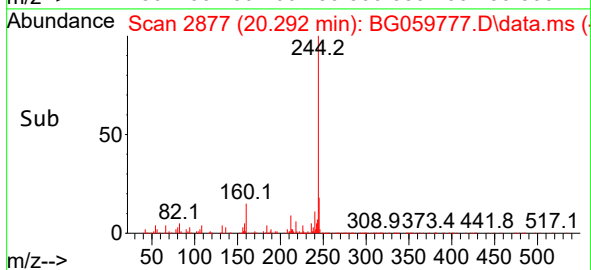
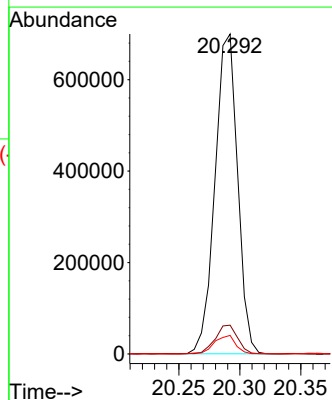
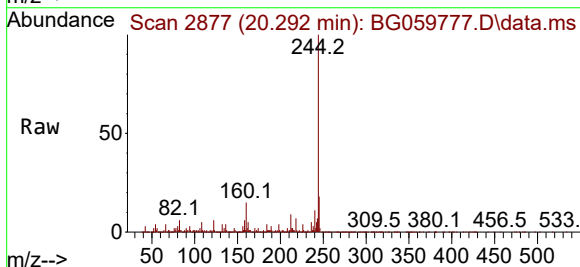
Tgt Ion:244 Resp: 901531

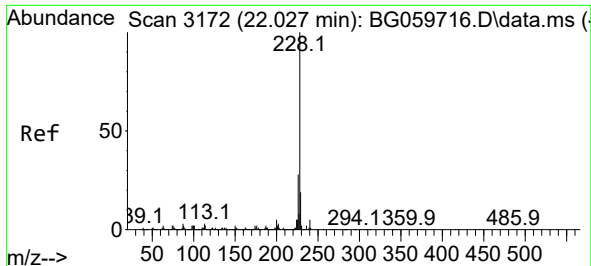
Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

122 5.8 4.4 6.6

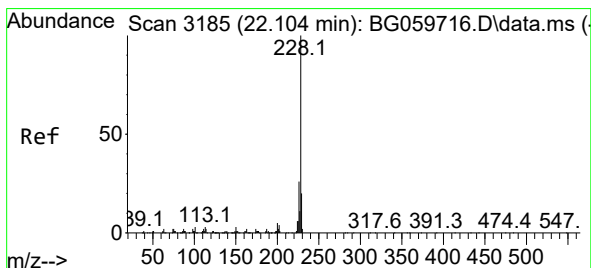
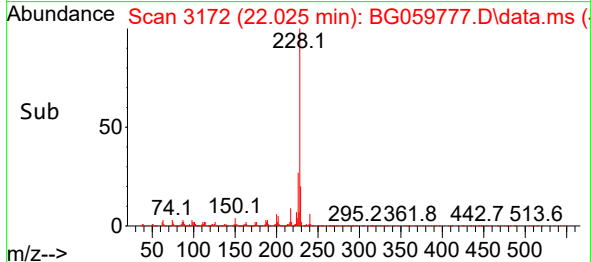
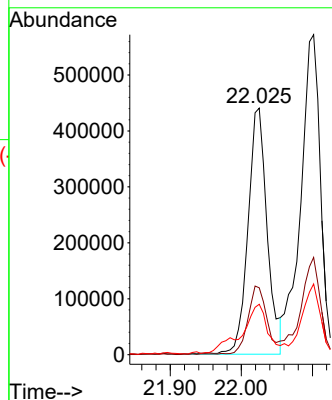
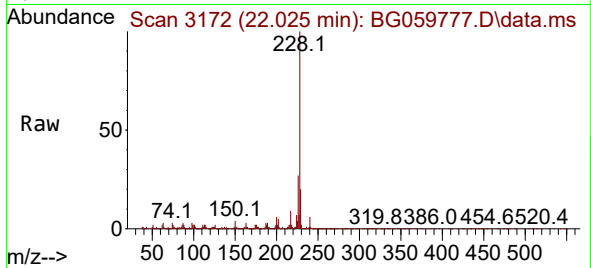




#81
Benzo(a)anthracene
Concen: 67.507 ng
RT: 22.025 min Scan# 3172
Delta R.T. -0.002 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

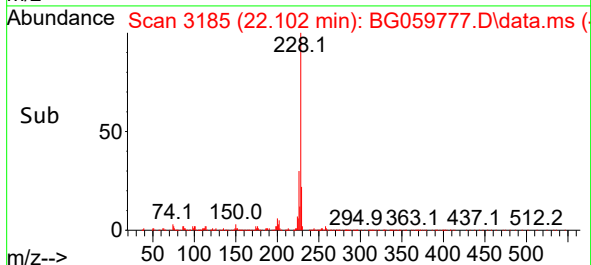
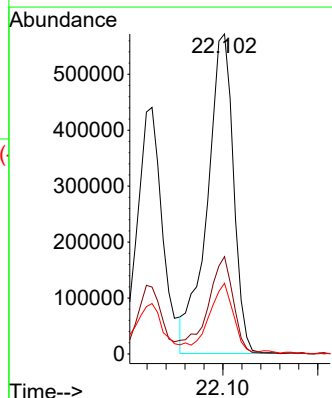
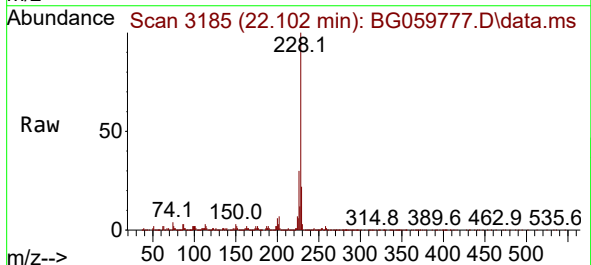
Instrument :
BNA_G
ClientSampleId :
VNJ-241

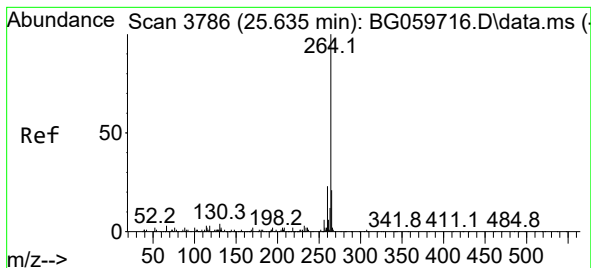
Tgt Ion:228 Resp: 825318
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 20.5 14.9 22.3



#83
Chrysene
Concen: 97.976 ng
RT: 22.102 min Scan# 3185
Delta R.T. -0.002 min
Lab File: BG059777.D
Acq: 20 Nov 2023 20:29

Tgt Ion:228 Resp: 1098042
Ion Ratio Lower Upper
228 100
226 30.4 21.1 31.7
229 22.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.627 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

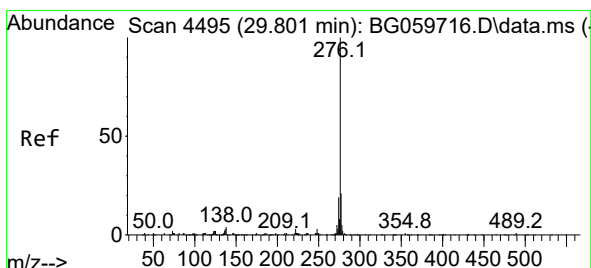
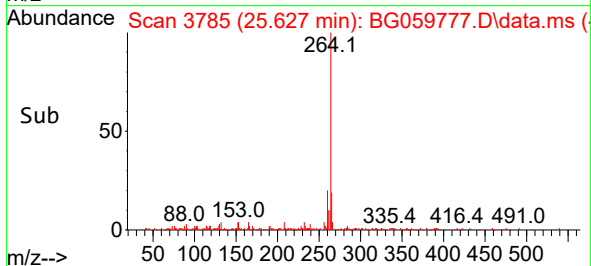
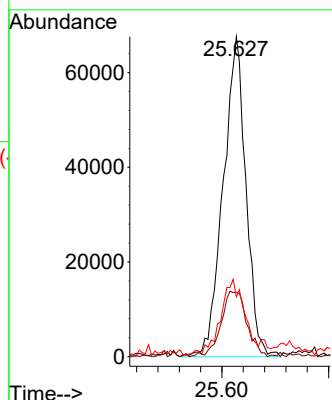
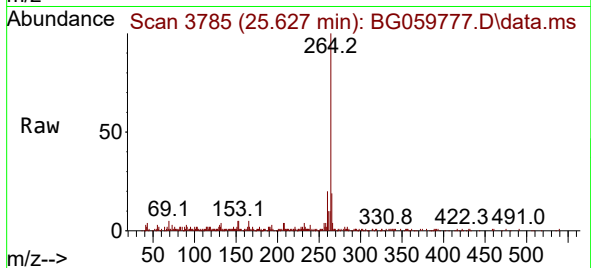
Tgt Ion:264 Resp: 200458

Ion Ratio Lower Upper

264 100

260 20.1 18.5 27.7

265 18.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.905 ng

RT: 29.757 min Scan# 4488

Delta R.T. -0.043 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

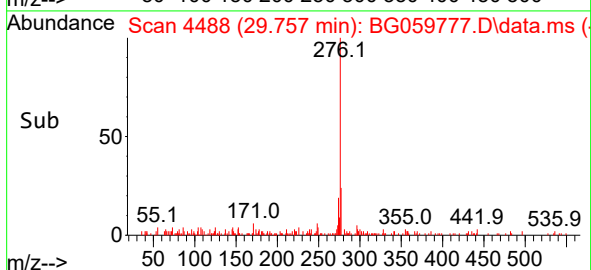
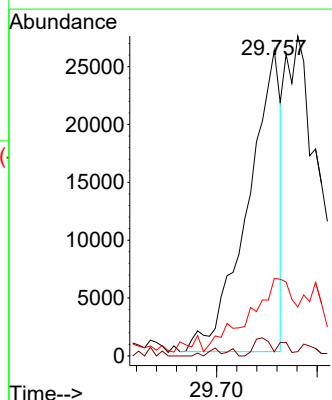
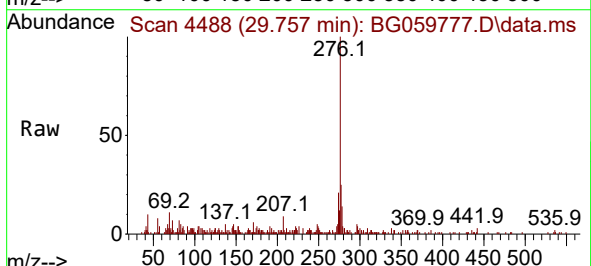
Tgt Ion:276 Resp: 59233

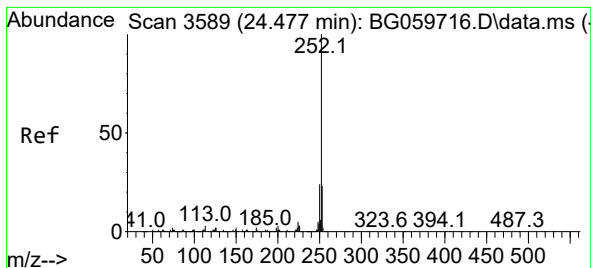
Ion Ratio Lower Upper

276 100

138 1.6 1.8 2.6#

277 32.7 9.8 14.6#





#88

Benzo(b)fluoranthene

Concen: 49.012 ng

RT: 24.469 min Scan# 3588

Delta R.T. -0.008 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

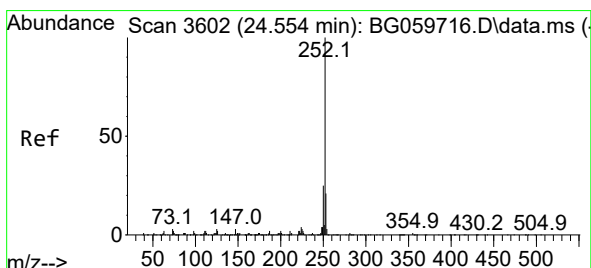
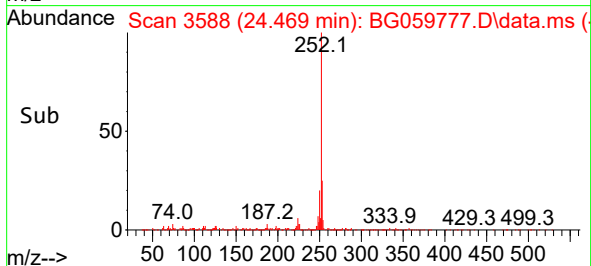
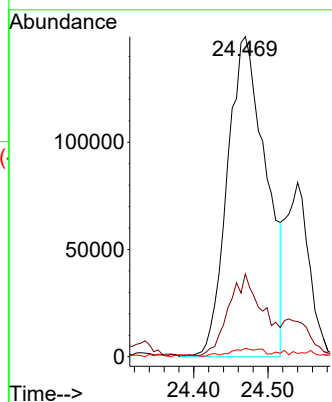
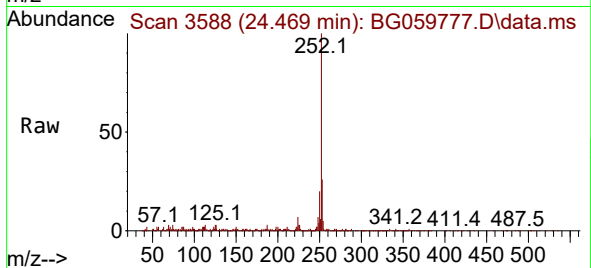
Tgt Ion:252 Resp: 538496

Ion Ratio Lower Upper

252 100

253 25.8 18.3 27.5

125 2.6 1.4 2.0#



#89

Benzo(k)fluoranthene

Concen: 49.576 ng

RT: 24.469 min Scan# 3588

Delta R.T. -0.084 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

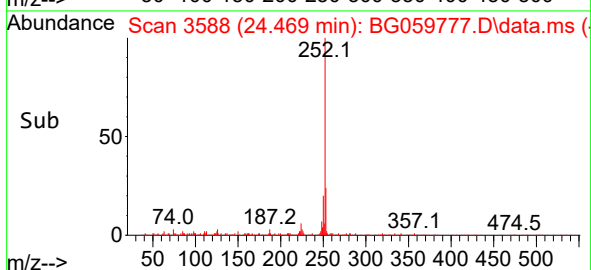
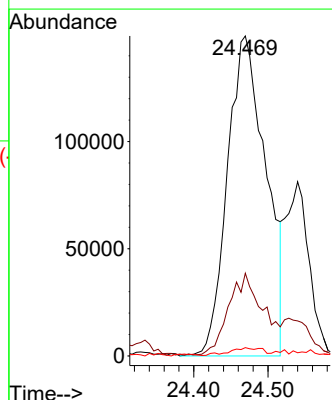
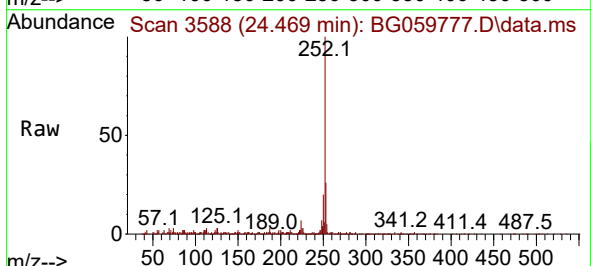
Tgt Ion:252 Resp: 538496

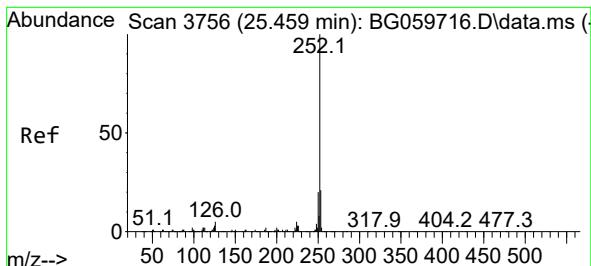
Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 2.6 2.2 3.2





#90

Benzo(a)pyrene

Concen: 22.811 ng

RT: 25.445 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Instrument :

BNA_G

ClientSampleId :

VNJ-241

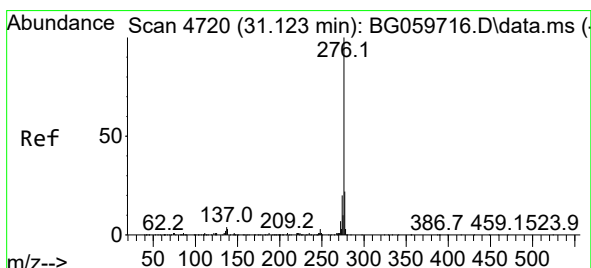
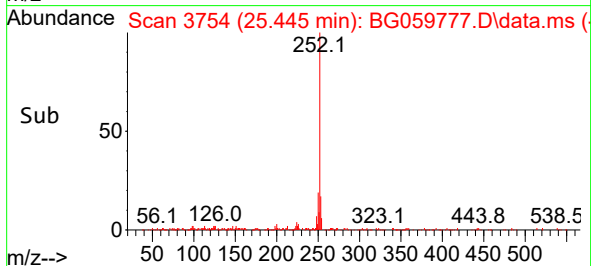
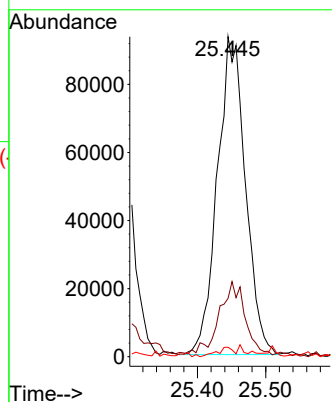
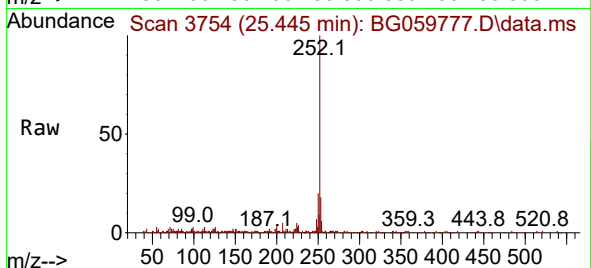
Tgt Ion:252 Resp: 267477

Ion Ratio Lower Upper

252 100

253 18.2 16.8 25.2

125 3.0 2.0 3.0



#92

Benzo(g,h,i)perylene

Concen: 9.019 ng

RT: 31.091 min Scan# 4715

Delta R.T. -0.032 min

Lab File: BG059777.D

Acq: 20 Nov 2023 20:29

Tgt Ion:276 Resp: 109814

Ion Ratio Lower Upper

276 100

277 22.3 17.3 25.9

138 5.5 2.6 4.0#

