

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055673.D
 Acq On : 17 Nov 2022 20:00
 Operator : CG/JU
 Sample : N5481-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE

Quant Time: Nov 18 03:16:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

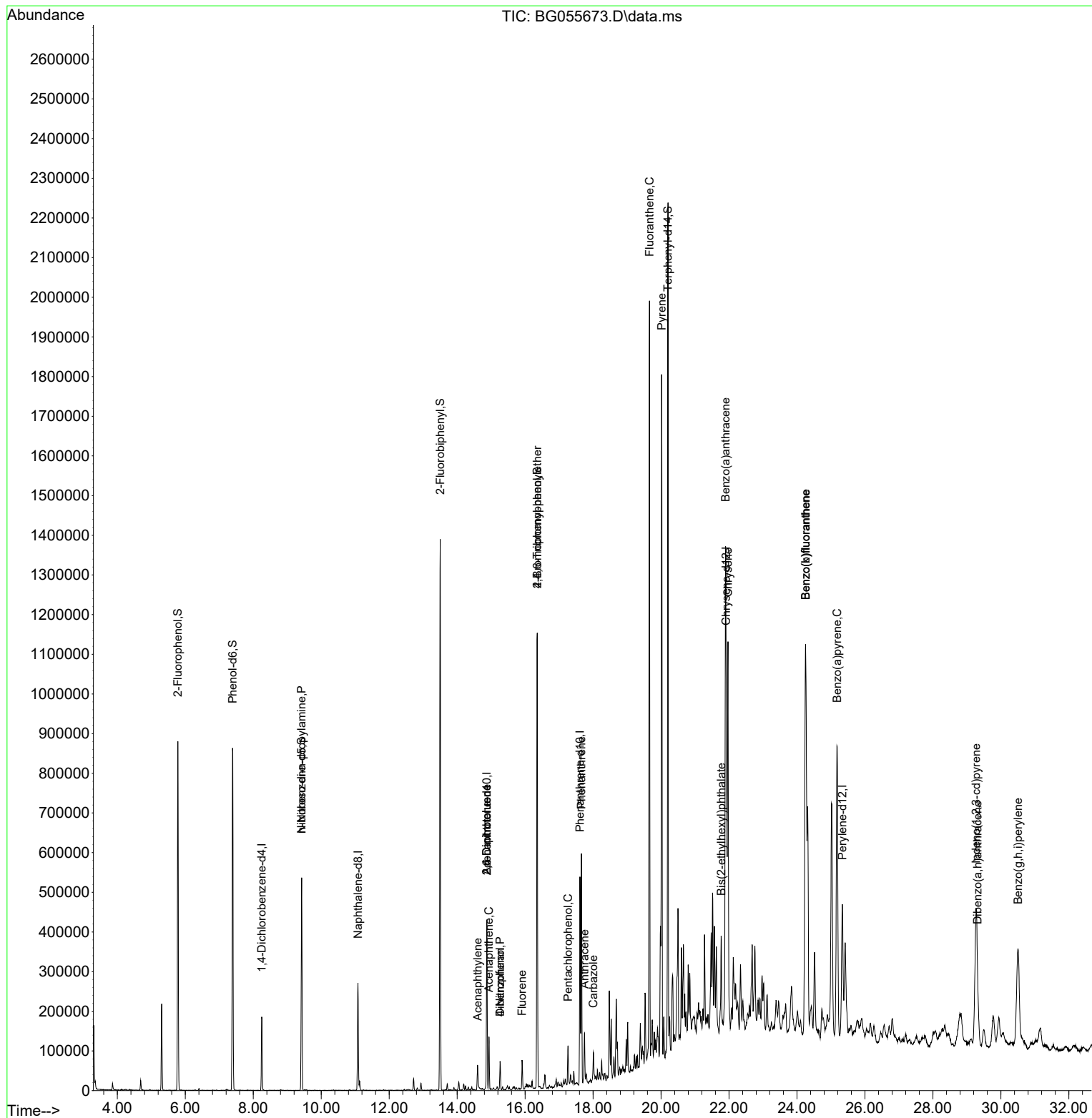
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.249	152	53098	20.000	ng	0.00
21) Naphthalene-d8	11.081	136	229682	20.000	ng	0.00
39) Acenaphthene-d10	14.870	164	155800	20.000	ng	0.00
64) Phenanthrene-d10	17.614	188	336215	20.000	ng	0.00
76) Chrysene-d12	21.915	240	316968	20.000	ng	0.00
86) Perylene-d12	25.335	264	347605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.781	112	371190	126.357	ng	0.00
7) Phenol-d6	7.391	99	489888	125.277	ng	0.00
23) Nitrobenzene-d5	9.424	82	308449	70.981	ng	0.00
42) 2,4,6-Tribromophenol	16.357	330	247074	112.620	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	741710	71.321	ng	0.00
79) Terphenyl-d14	20.205	244	1084034	68.405	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.424	70	42740	14.225	ng	# 73
49) Acenaphthylene	14.600	152	63843	4.393	ng	97
51) 2,6-Dinitrotoluene	14.870	165	20908	8.233	ng	# 27
52) Acenaphthene	14.935	154	47927	5.046	ng	99
55) Dibenzofuran	15.264	168	42604	2.908	ng	99
56) 4-Nitrophenol	15.264	139	15697	7.174	ng	# 6
57) 2,4-Dinitrotoluene	14.870	165	20908	5.840	ng	# 25
58) Fluorene	15.910	166	31628	2.703	ng	96
67) 4-Bromophenyl-phenylether	16.357	248	15886	4.147	ng	# 1
70) Pentachlorophenol	17.262	266	17858	6.873	ng	92
71) Phenanthrene	17.655	178	374125	20.620	ng	99
72) Anthracene	17.749	178	87260	4.950	ng	99
73) Carbazole	18.008	167	45532	2.873	ng	98
75) Fluoranthene	19.659	202	1236541	56.021	ng	98
78) Pyrene	20.017	202	1136895	52.990	ng	98
81) Benzo(a)anthracene	21.898	228	758301	34.734	ng	96
83) Chrysene	21.968	228	793416	38.175	ng	99
84) Bis(2-ethylhexyl)phtha...	21.774	149	71431	5.918	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.271	276	662071	23.250	ng	# 97
88) Benzo(b)fluoranthene	24.254	252	1395894	61.662	ng	98
89) Benzo(k)fluoranthene	24.254	252	1395894	61.859	ng	98
90) Benzo(a)pyrene	25.182	252	890013	45.815	ng	98
91) Dibenzo(a,h)anthracene	29.312	278	166826	7.169	ng	97
92) Benzo(g,h,i)perylene	30.505	276	621022	26.479	ng	99

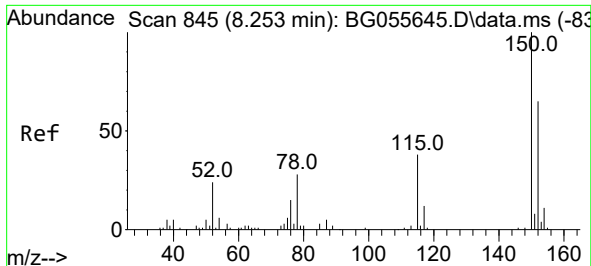
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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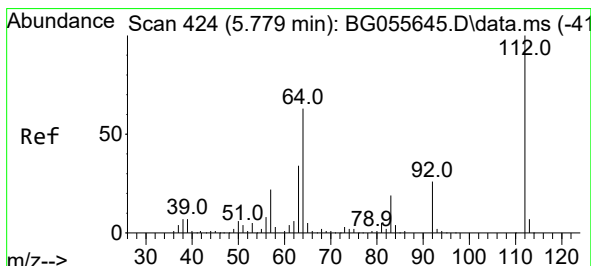
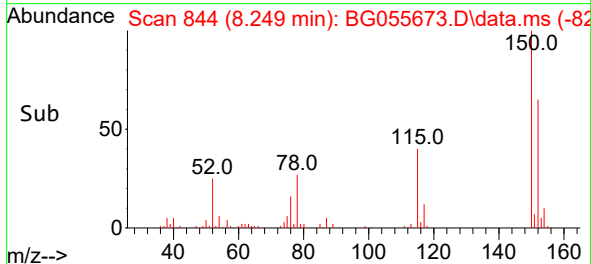
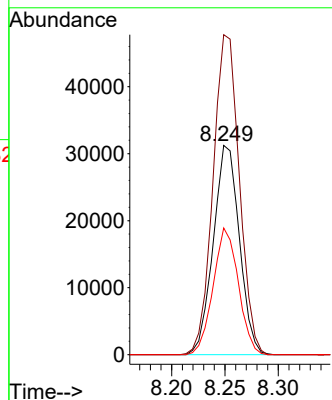
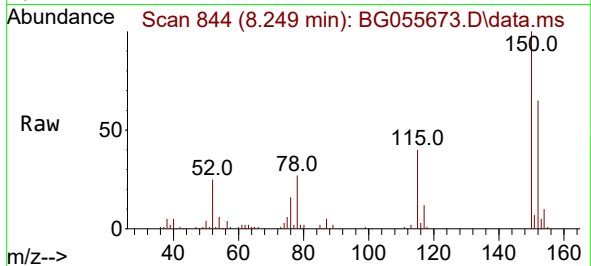




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.249 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

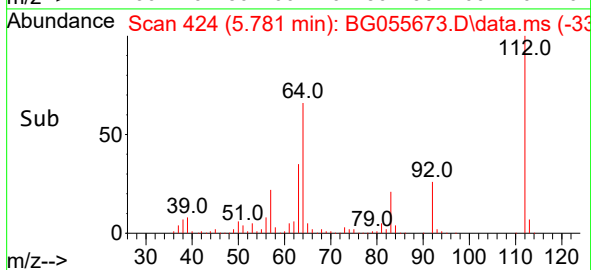
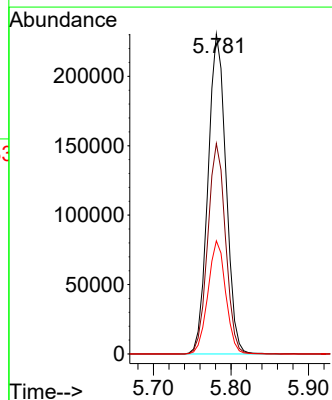
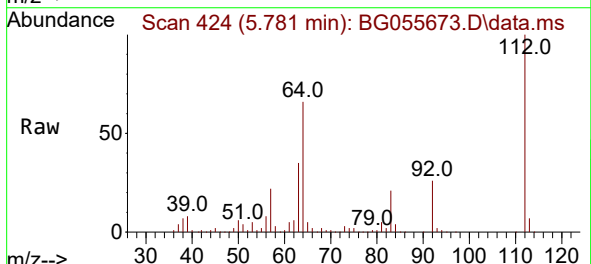
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

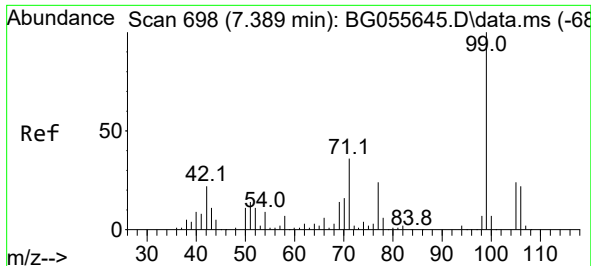
Tgt Ion:152 Resp: 53098
Ion Ratio Lower Upper
152 100
150 152.9 123.0 184.6
115 60.6 47.0 70.4



#5
2-Fluorophenol
Concen: 126.357 ng
RT: 5.781 min Scan# 424
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:112 Resp: 371190
Ion Ratio Lower Upper
112 100
64 65.8 50.6 76.0
63 35.3 27.5 41.3

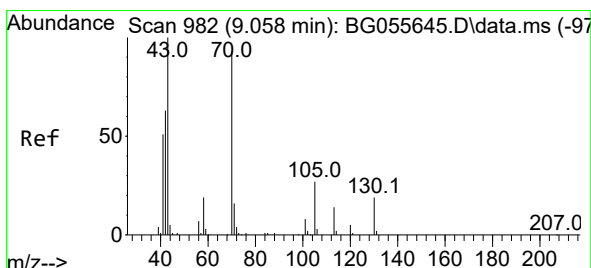
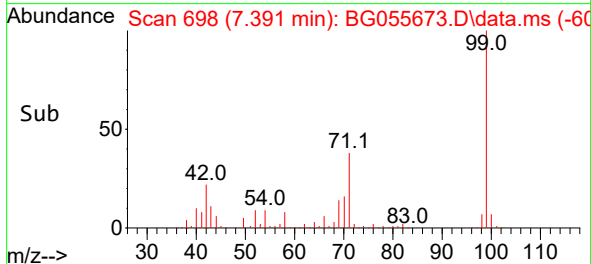
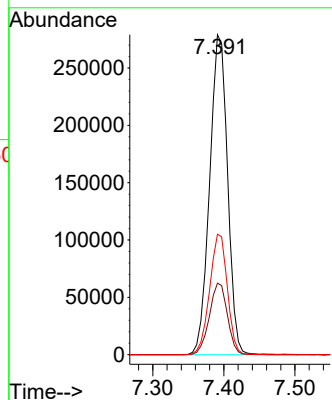
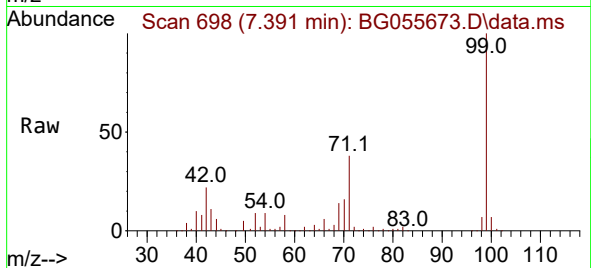




#7
Phenol-d6
Concen: 125.277 ng
RT: 7.391 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

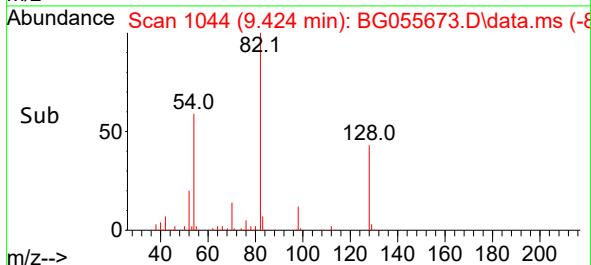
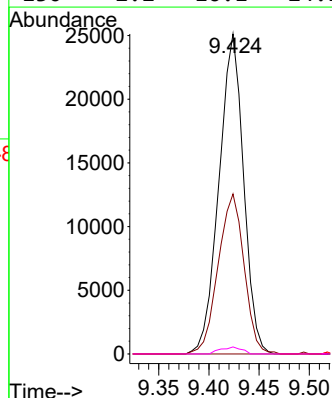
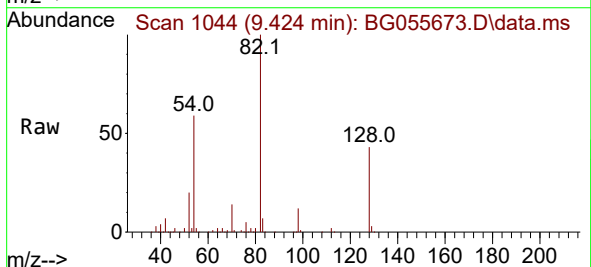
Instrument :
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ClientSampleId :
VNJ-231RE

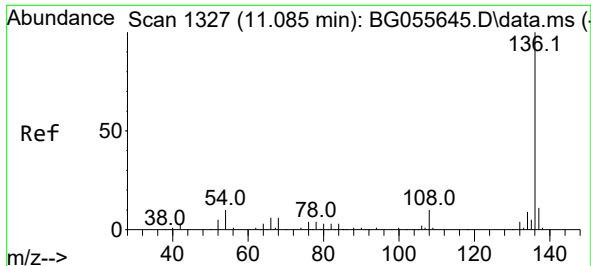
Tgt Ion: 99 Resp: 489888
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 37.6 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.225 ng
RT: 9.424 min Scan# 1044
Delta R.T. 0.366 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 70 Resp: 42740
Ion Ratio Lower Upper
70 100
42 50.0 55.2 82.8#
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#



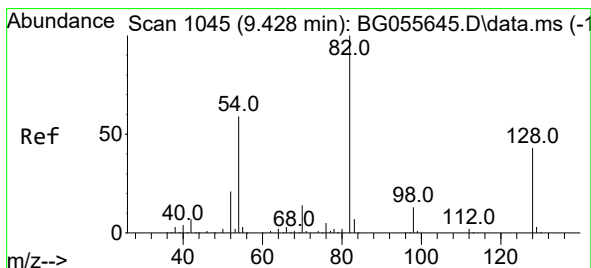
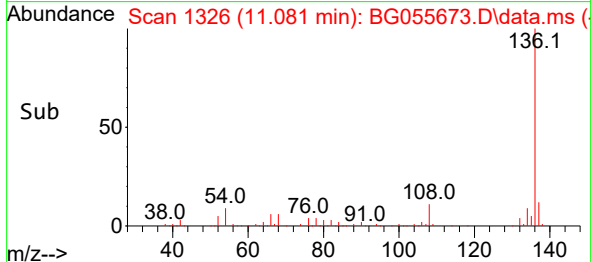
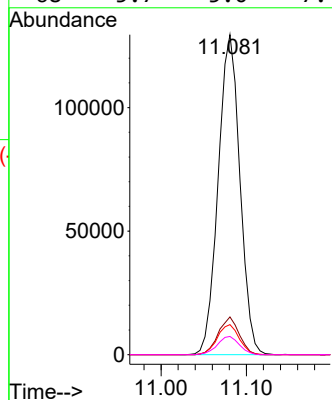
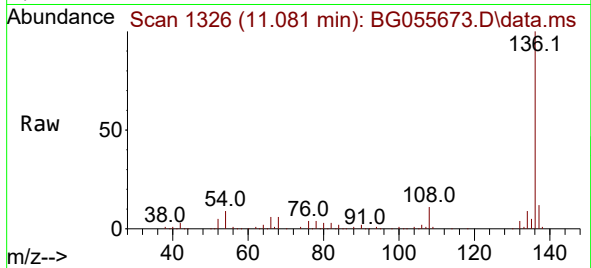


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.081 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion:136 Resp: 229682

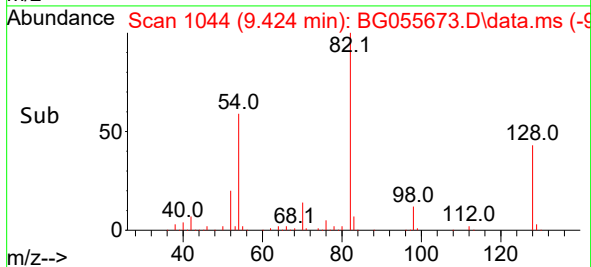
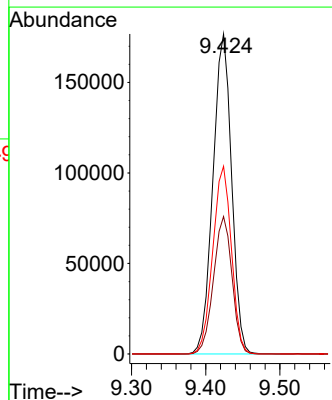
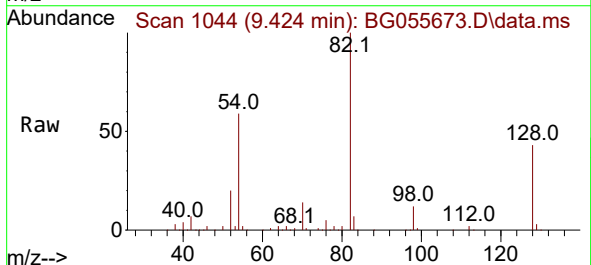
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	9.4	7.8	11.6
68	5.7	5.0	7.4

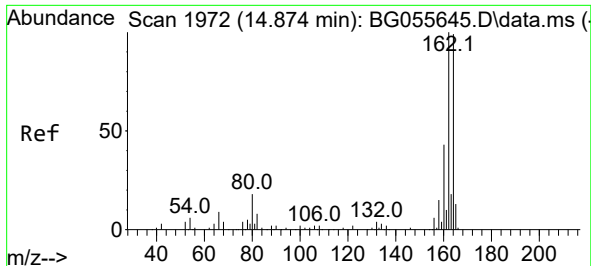


#23
Nitrobenzene-d5
Concen: 70.981 ng
RT: 9.424 min Scan# 1044
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 82 Resp: 308449

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.1	51.1
54	58.6	47.3	70.9

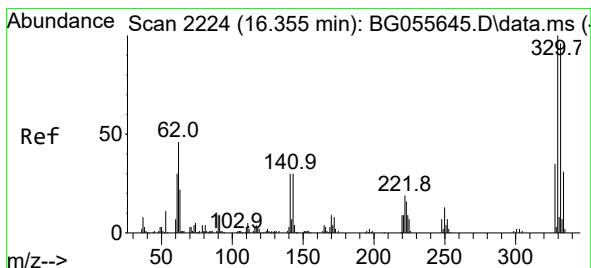
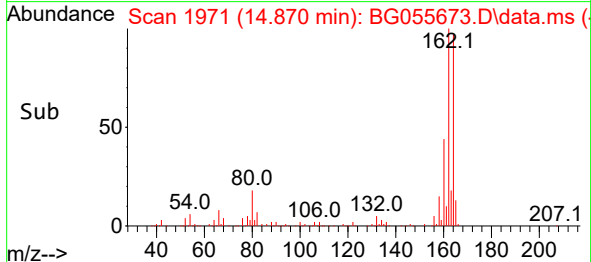
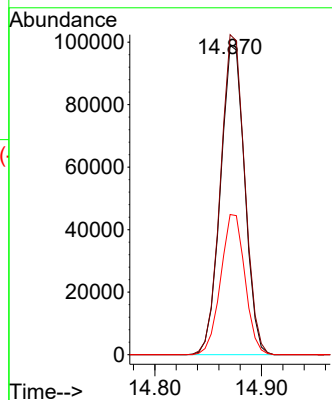
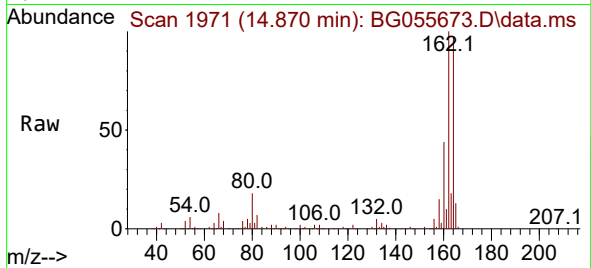




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.870 min Scan# 1972
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

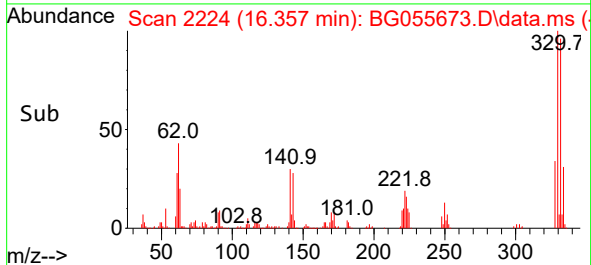
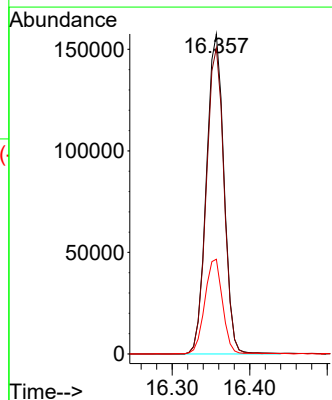
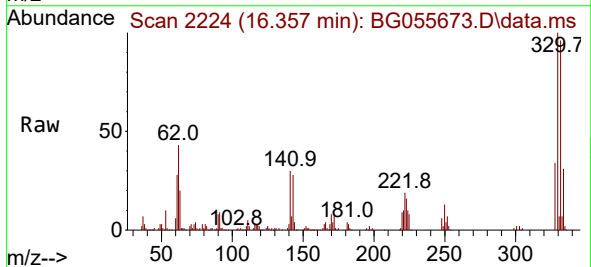
Instrument :
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ClientSampleId :
VNJ-231RE

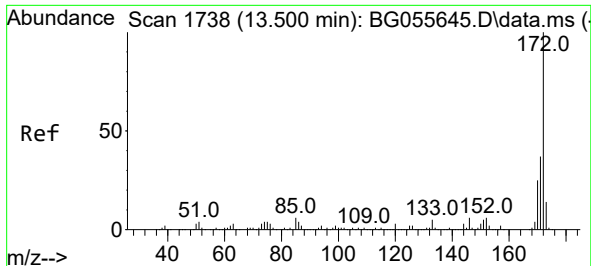
Tgt Ion:164 Resp: 155800
Ion Ratio Lower Upper
164 100
162 103.4 81.1 121.7
160 45.3 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 112.620 ng
RT: 16.357 min Scan# 2224
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:330 Resp: 247074
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 30.1 23.9 35.9

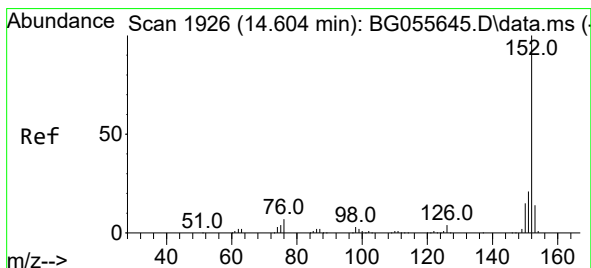
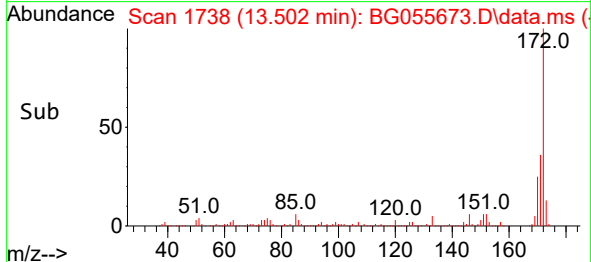
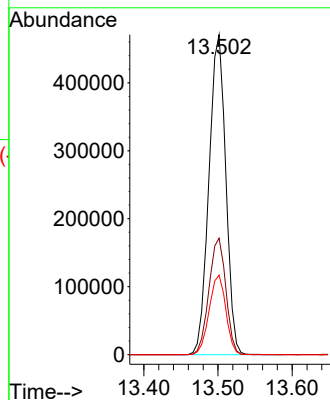
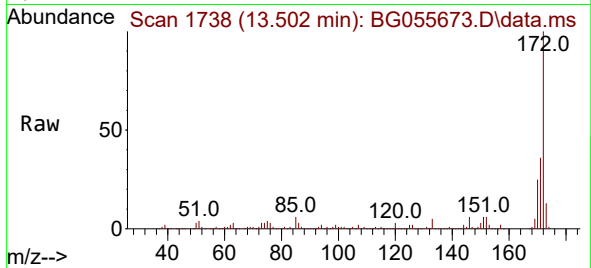




#45
2-Fluorobiphenyl
Concen: 71.321 ng
RT: 13.502 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

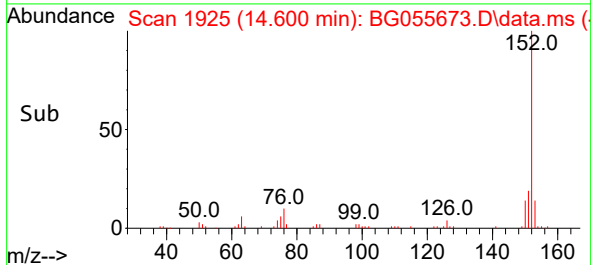
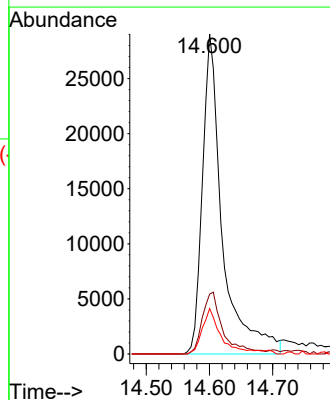
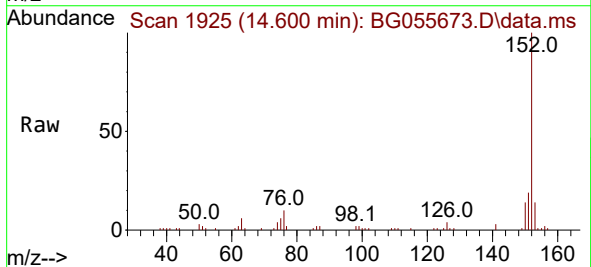
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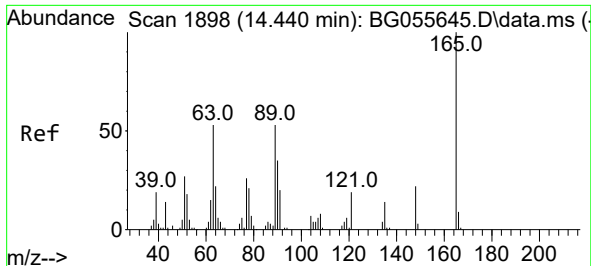
Tgt Ion:172 Resp: 741710
Ion Ratio Lower Upper
172 100
171 36.4 29.8 44.6
170 24.8 20.2 30.4



#49
Acenaphthylene
Concen: 4.393 ng
RT: 14.600 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:152 Resp: 63843
Ion Ratio Lower Upper
152 100
151 18.7 16.4 24.6
153 14.2 11.0 16.4

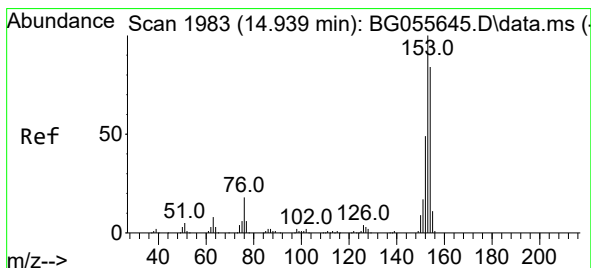
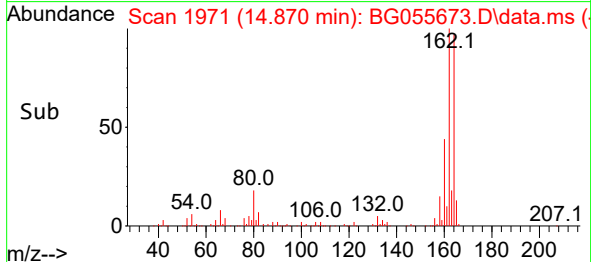
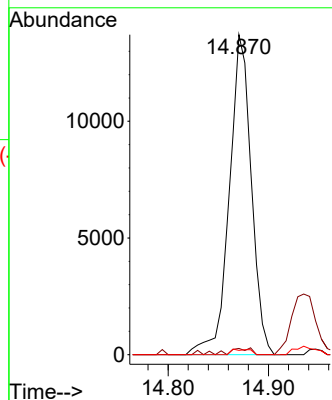
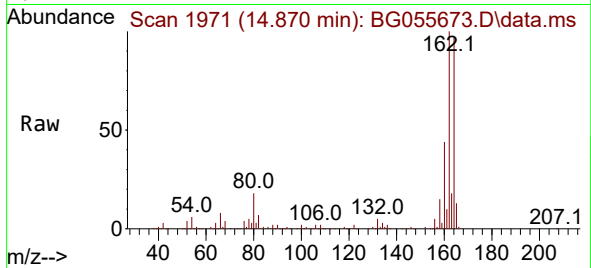




#51
2,6-Dinitrotoluene
Concen: 8.233 ng
RT: 14.870 min Scan# 1898
Delta R.T. 0.431 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

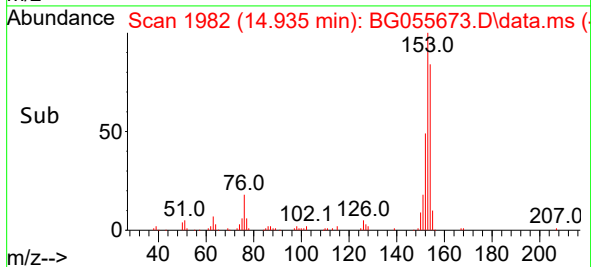
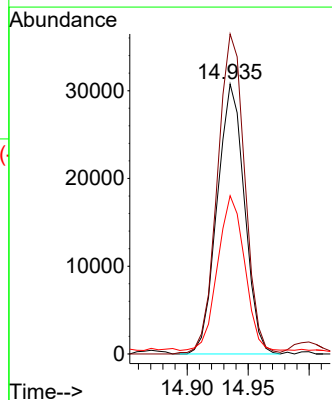
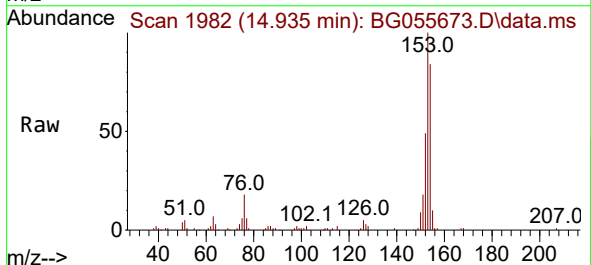
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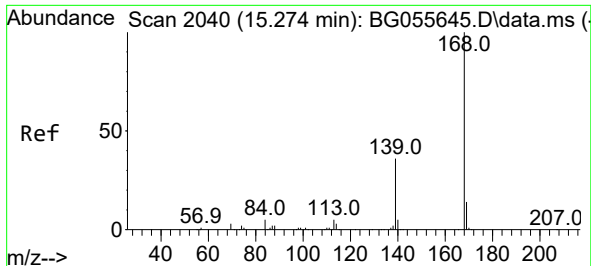
Tgt Ion:165 Resp: 20908
Ion Ratio Lower Upper
165 100
63 1.9 44.6 66.8#
89 1.3 42.2 63.4#



#52
Acenaphthene
Concen: 5.046 ng
RT: 14.935 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:154 Resp: 47927
Ion Ratio Lower Upper
154 100
153 118.6 95.0 142.4
152 58.6 46.1 69.1

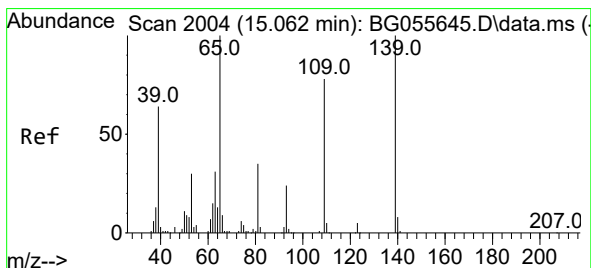
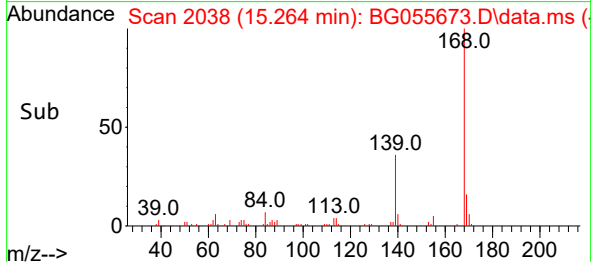
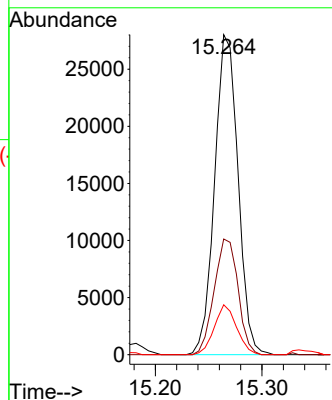
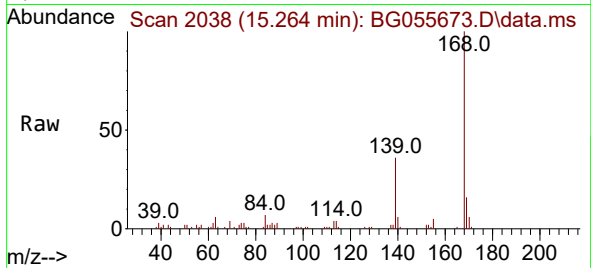




#55
Dibenzenofuran
Concen: 2.908 ng
RT: 15.264 min Scan# 2040
Delta R.T. -0.010 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

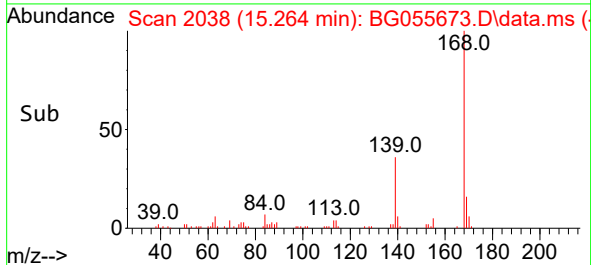
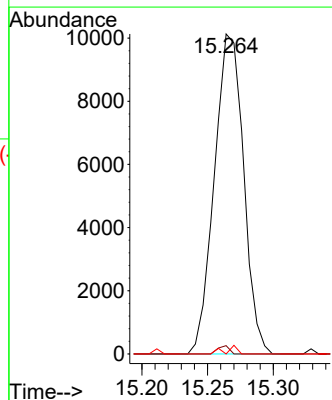
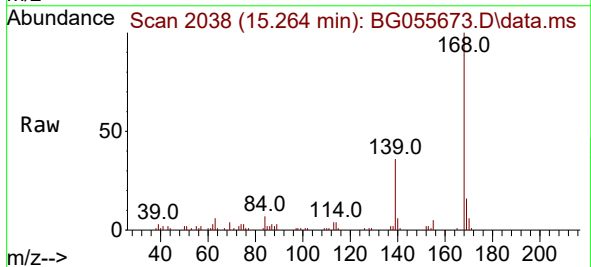
Instrument :
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ClientSampleId :
VNJ-231RE

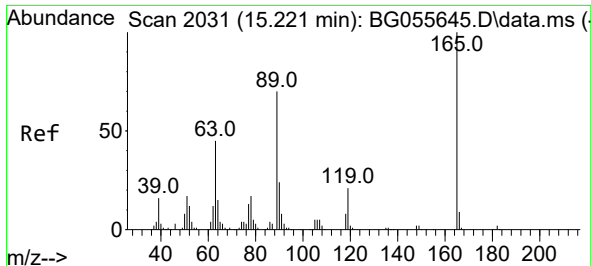
Tgt Ion:168 Resp: 42604
Ion Ratio Lower Upper
168 100
139 36.1 28.8 43.2
169 15.6 11.0 16.4



#56
4-Nitrophenol
Concen: 7.174 ng
RT: 15.264 min Scan# 2038
Delta R.T. 0.202 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:139 Resp: 15697
Ion Ratio Lower Upper
139 100
109 2.6 58.6 98.6#
65 0.0 80.5 120.5#





#57

2,4-Dinitrotoluene

Concen: 5.840 ng

RT: 14.870 min Scan# 11

Delta R.T. -0.351 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

Tgt Ion:165 Resp: 20908

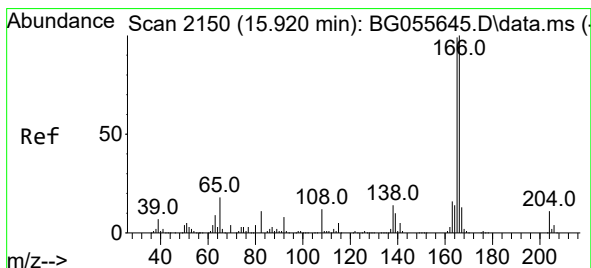
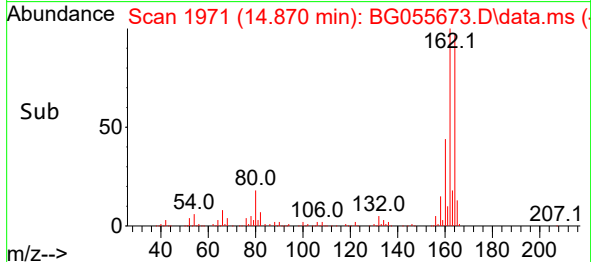
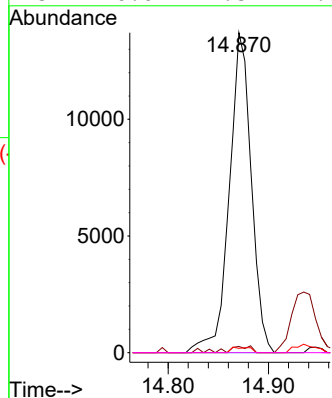
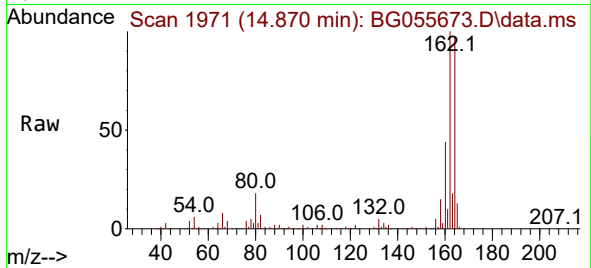
Ion Ratio Lower Upper

165 100

63 1.9 35.8 53.8#

89 1.3 56.2 84.4#

182 0.0 1.8 2.8#



#58

Fluorene

Concen: 2.703 ng

RT: 15.910 min Scan# 2148

Delta R.T. -0.010 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

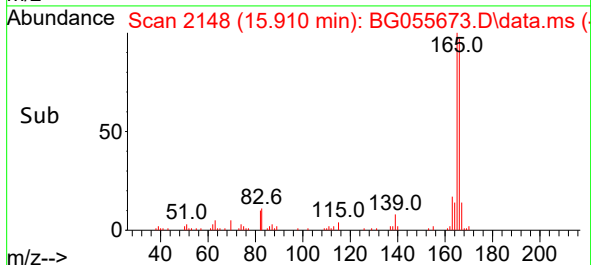
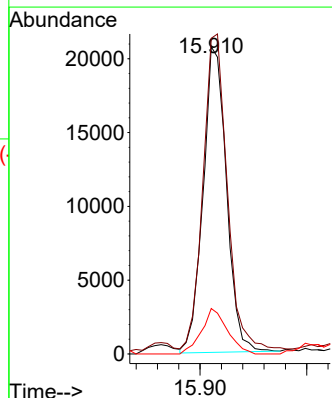
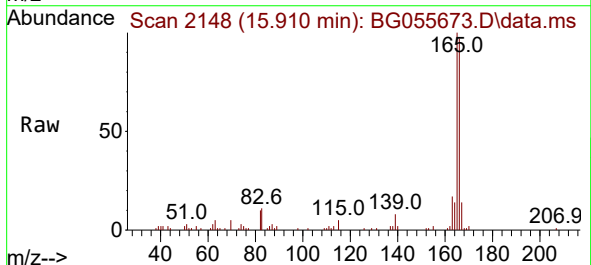
Tgt Ion:166 Resp: 31628

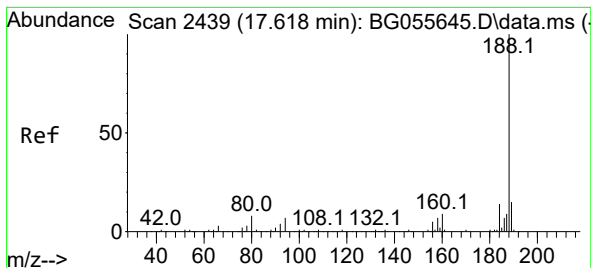
Ion Ratio Lower Upper

166 100

165 102.8 79.3 118.9

167 14.8 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.614 min Scan# 2439

Delta R.T. -0.004 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

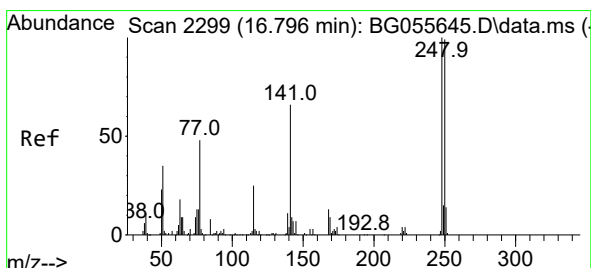
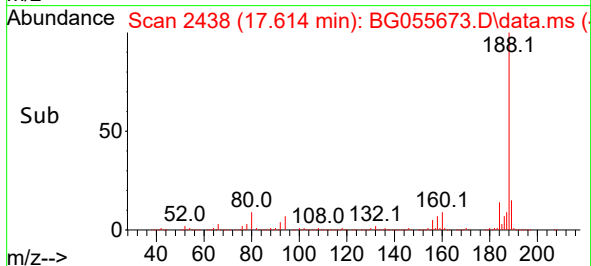
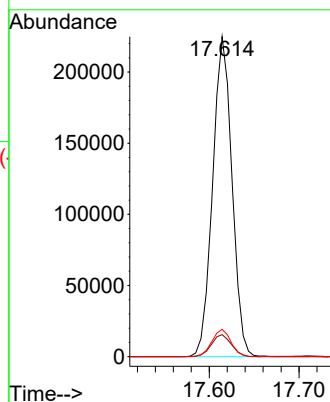
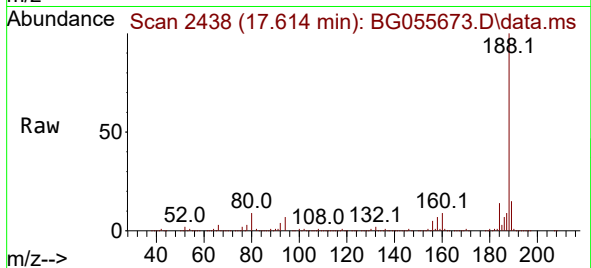
Tgt Ion:188 Resp: 336215

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

80 8.5 6.6 10.0



#67

4-Bromophenyl-phenylether

Concen: 4.147 ng

RT: 16.357 min Scan# 2224

Delta R.T. -0.439 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

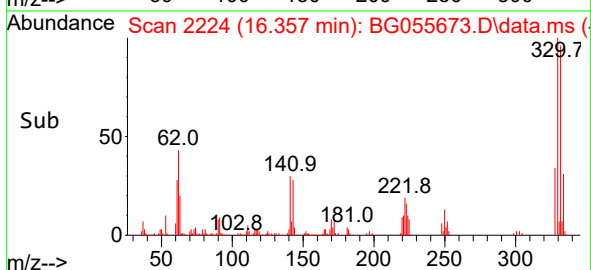
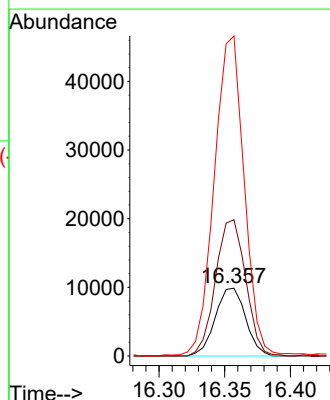
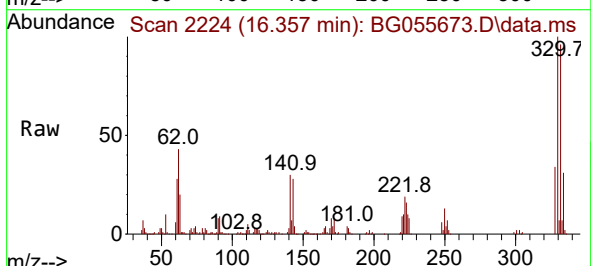
Tgt Ion:248 Resp: 15886

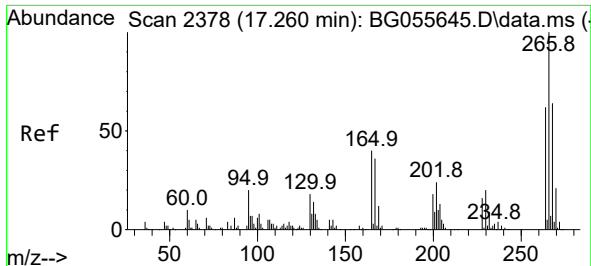
Ion Ratio Lower Upper

248 100

250 201.0 79.0 118.4#

141 471.7 52.9 79.3#

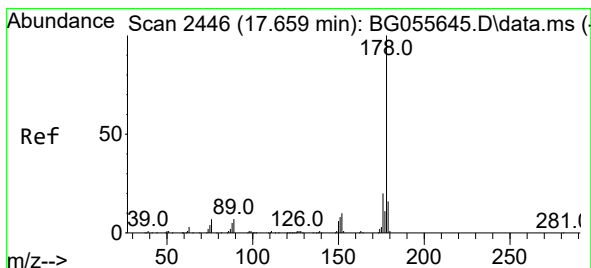
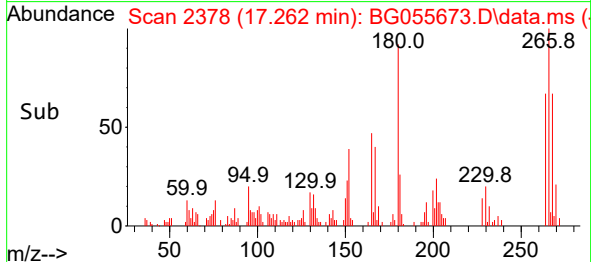
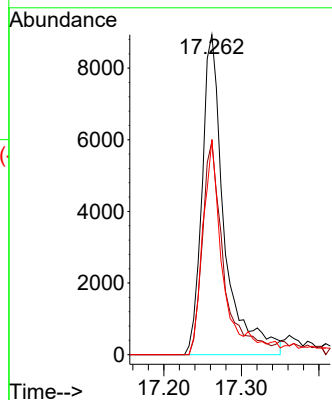
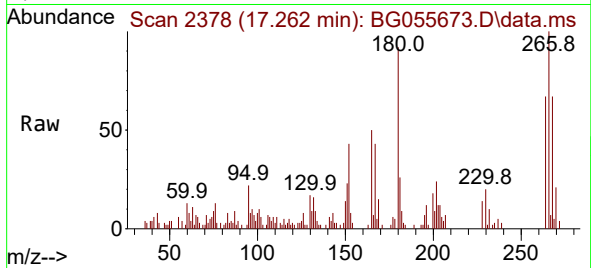




#70
 Pentachlorophenol
 Concen: 6.873 ng
 RT: 17.262 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG055673.D
 Acq: 17 Nov 2022 20:00

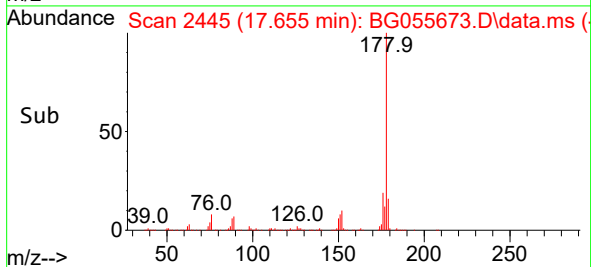
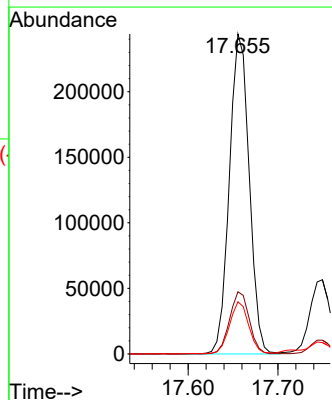
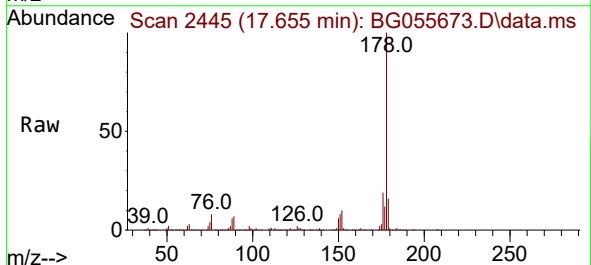
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE

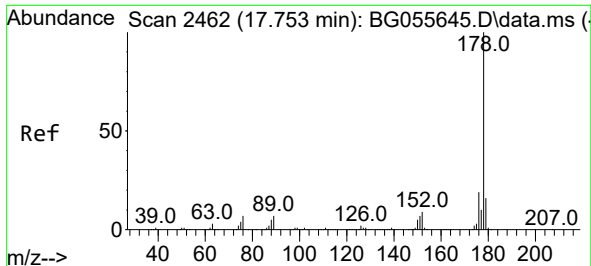
Tgt Ion:266 Resp: 17858
 Ion Ratio Lower Upper
 266 100
 268 71.2 51.2 76.8
 264 67.2 49.5 74.3



#71
 Phenanthrene
 Concen: 20.620 ng
 RT: 17.655 min Scan# 2445
 Delta R.T. -0.004 min
 Lab File: BG055673.D
 Acq: 17 Nov 2022 20:00

Tgt Ion:178 Resp: 374125
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.0 24.0
 179 16.3 12.7 19.1

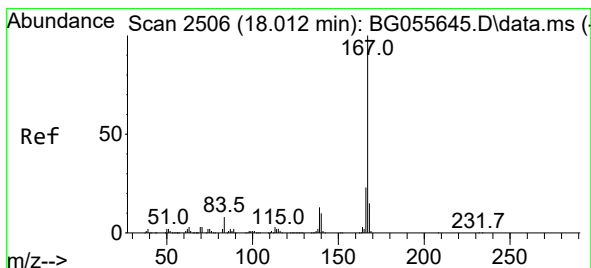
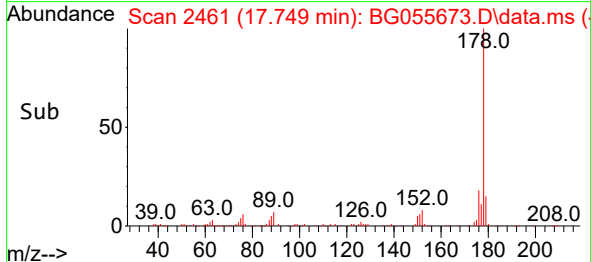
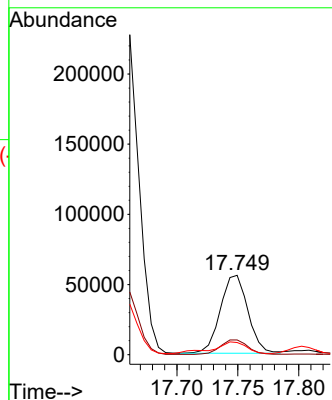
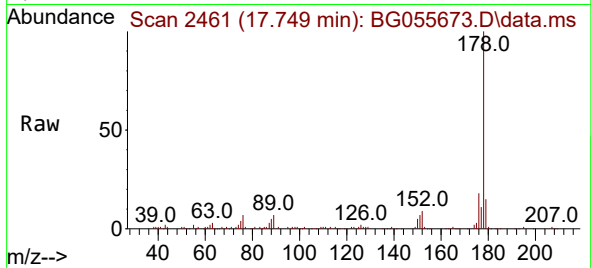




#72
Anthracene
Concen: 4.950 ng
RT: 17.749 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

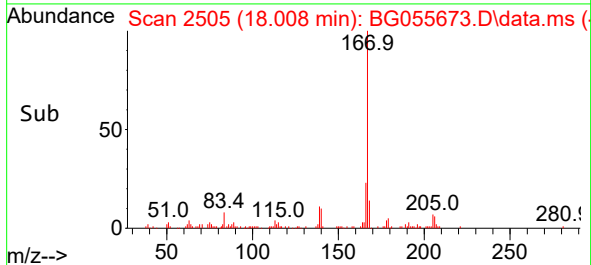
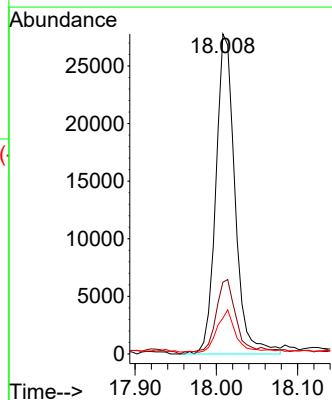
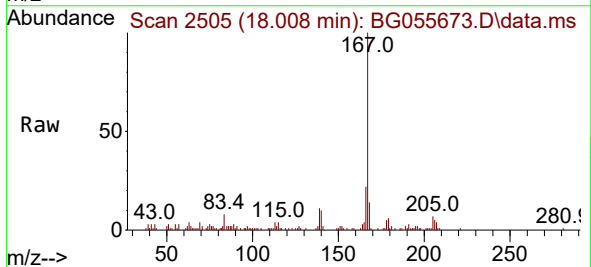
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

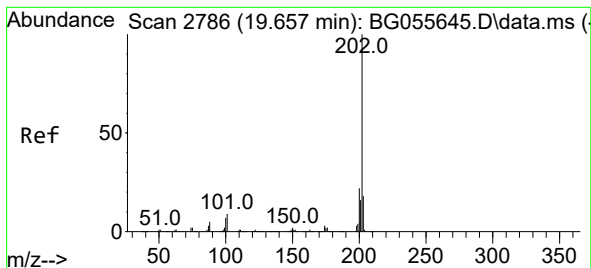
Tgt Ion:178 Resp: 87260
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.5 18.7



#73
Carbazole
Concen: 2.873 ng
RT: 18.008 min Scan# 2505
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:167 Resp: 45532
Ion Ratio Lower Upper
167 100
166 22.4 18.2 27.2
139 11.2 10.2 15.4





#75

Fluoranthene

Concen: 56.021 ng

RT: 19.659 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

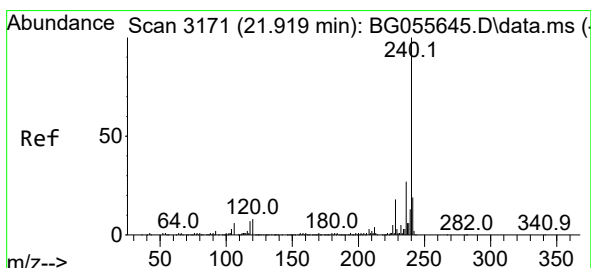
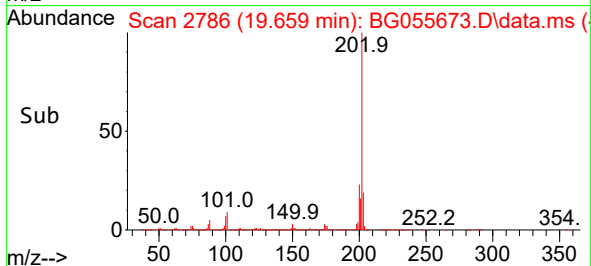
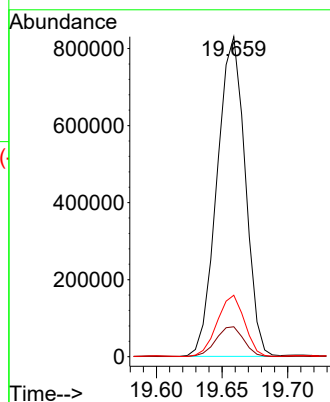
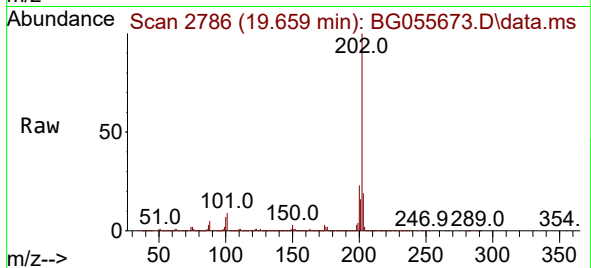
Tgt Ion:202 Resp: 1236541

Ion Ratio Lower Upper

202 100

101 9.3 0.0 28.8

203 19.2 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.915 min Scan# 3170

Delta R.T. -0.004 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

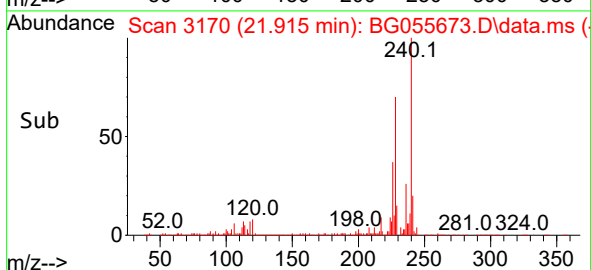
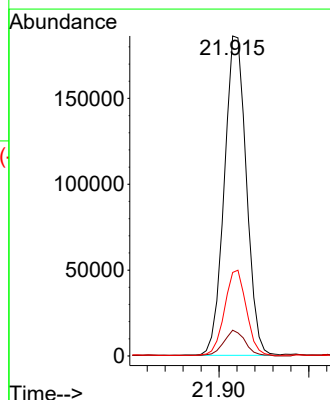
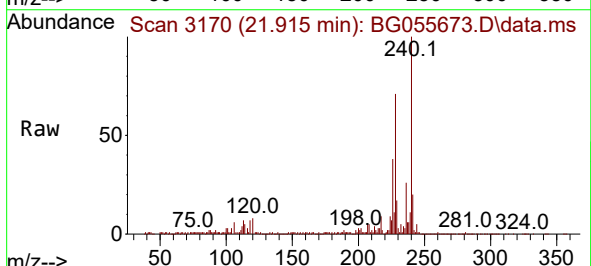
Tgt Ion:240 Resp: 316968

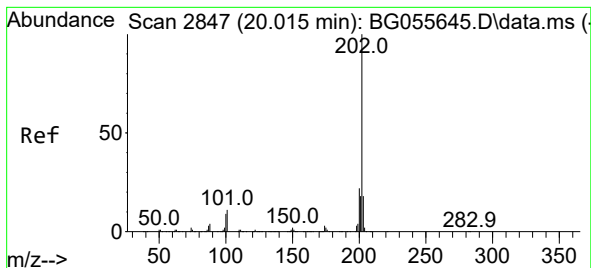
Ion Ratio Lower Upper

240 100

120 8.1 6.3 9.5

236 26.1 21.9 32.9





#78

Pyrene

Concen: 52.990 ng

RT: 20.017 min Scan# 2847

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

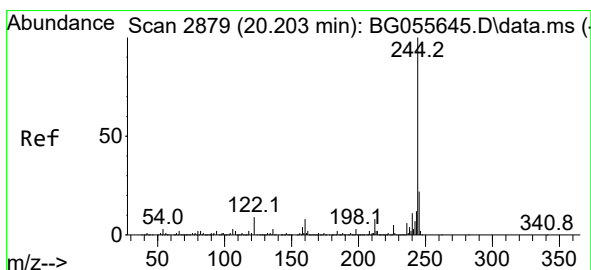
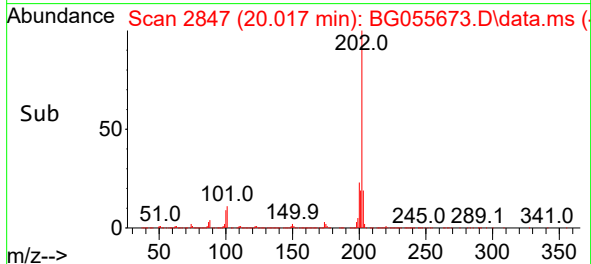
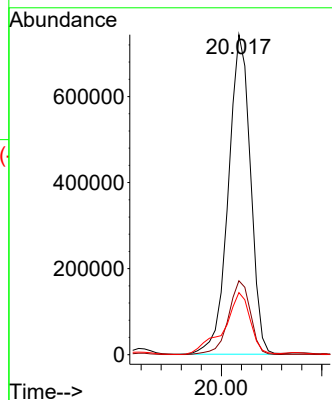
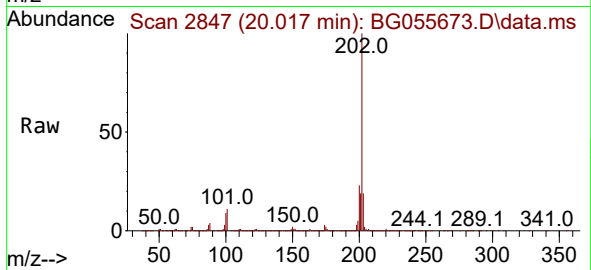
Tgt Ion:202 Resp: 1136895

Ion Ratio Lower Upper

202 100

200 23.1 17.8 26.6

203 19.4 14.4 21.6



#79

Terphenyl-d14

Concen: 68.405 ng

RT: 20.205 min Scan# 2879

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

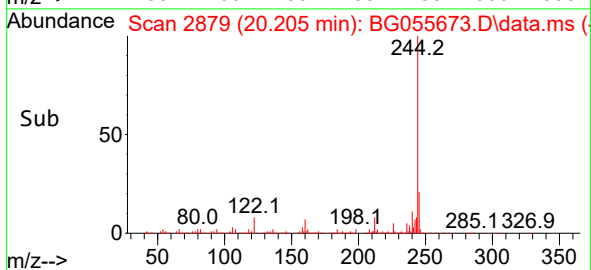
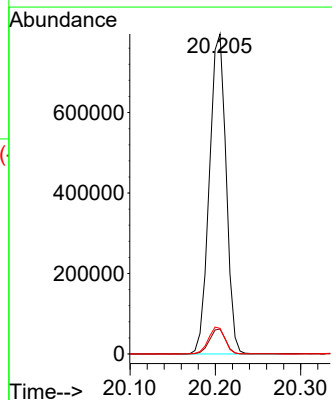
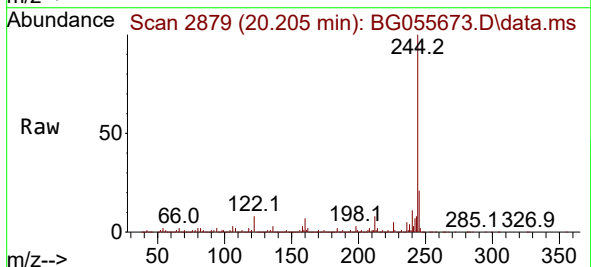
Tgt Ion:244 Resp: 1084034

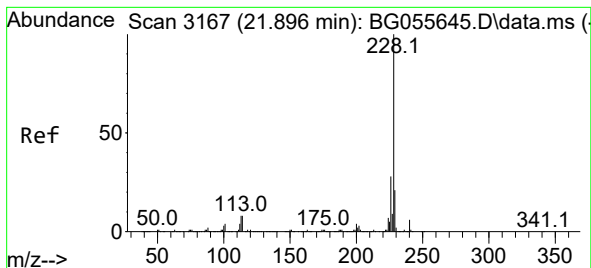
Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

122 8.0 6.9 10.3





#81

Benzo(a)anthracene

Concen: 34.734 ng

RT: 21.898 min Scan# 3167

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

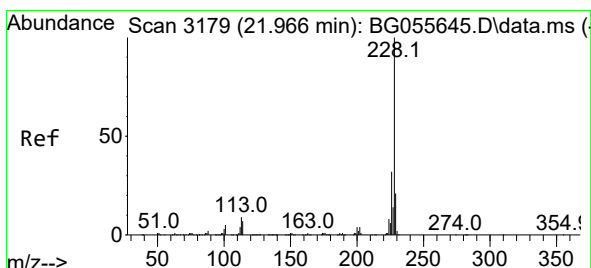
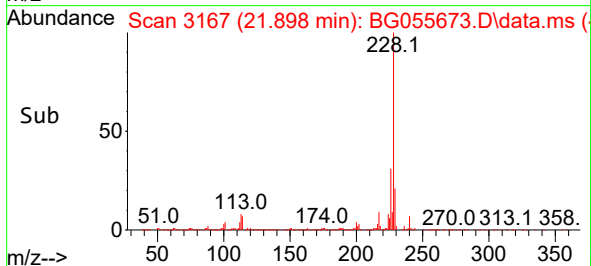
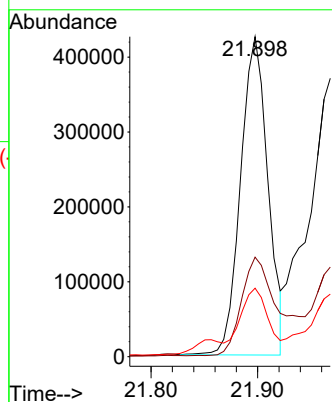
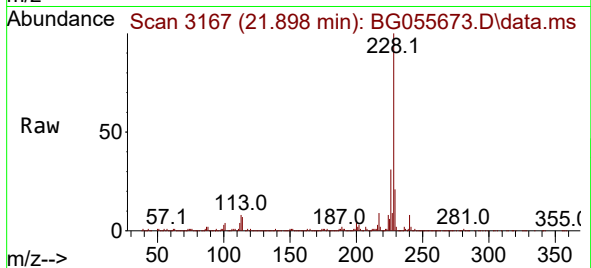
Tgt Ion:228 Resp: 758301

Ion Ratio Lower Upper

228 100

226 31.1 22.7 34.1

229 21.4 16.5 24.7



#83

Chrysene

Concen: 38.175 ng

RT: 21.968 min Scan# 3179

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

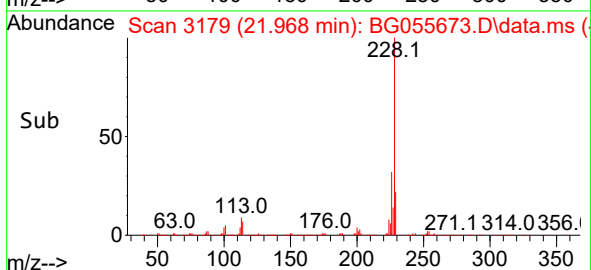
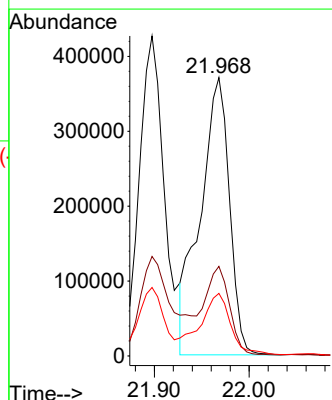
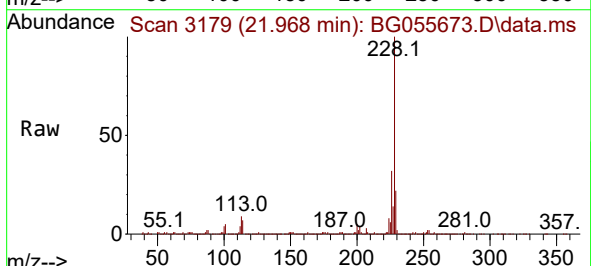
Tgt Ion:228 Resp: 793416

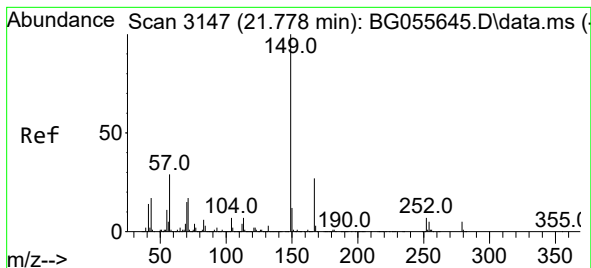
Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.2

229 22.5 17.1 25.7

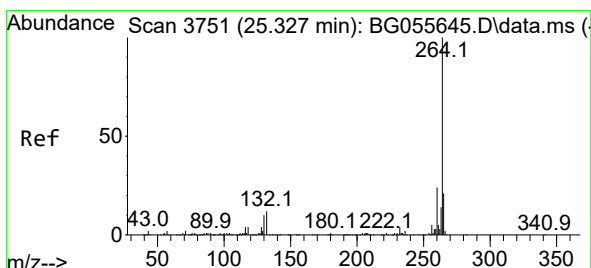
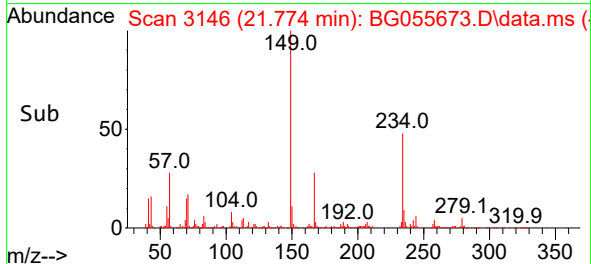
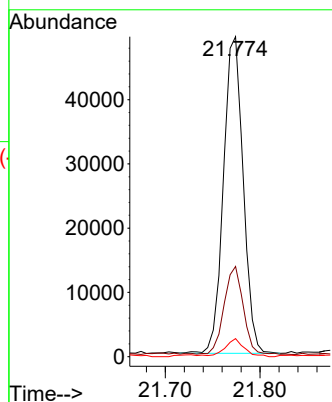
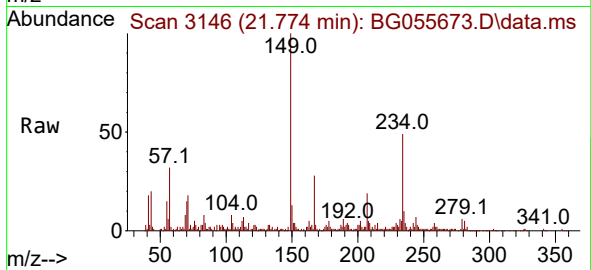




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.918 ng
RT: 21.774 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

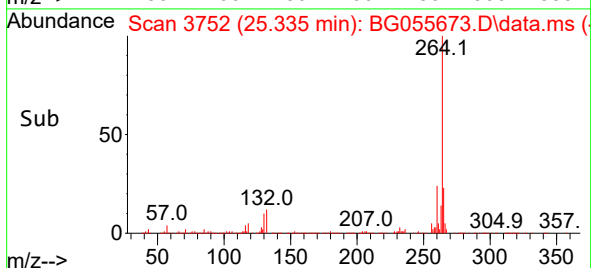
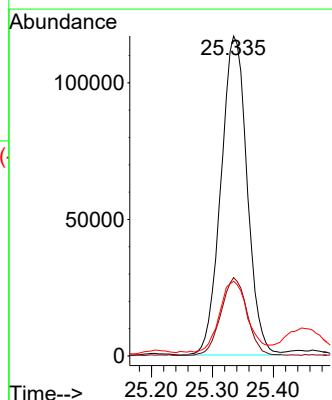
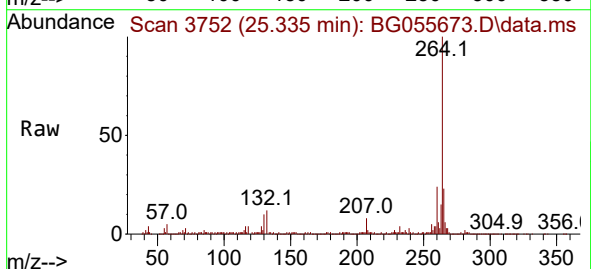
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

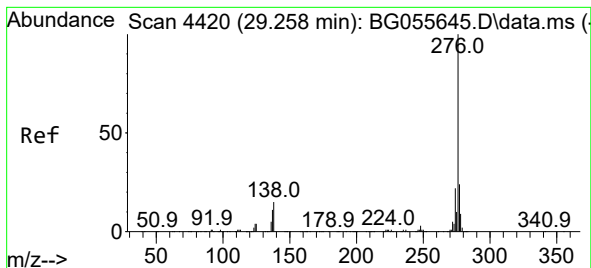
Tgt Ion:149 Resp: 71431
Ion Ratio Lower Upper
149 100
167 28.2 22.0 33.0
279 5.6 3.7 5.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.335 min Scan# 3752
Delta R.T. 0.008 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:264 Resp: 347605
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 23.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.250 ng

RT: 29.271 min Scan# 4422

Delta R.T. 0.014 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

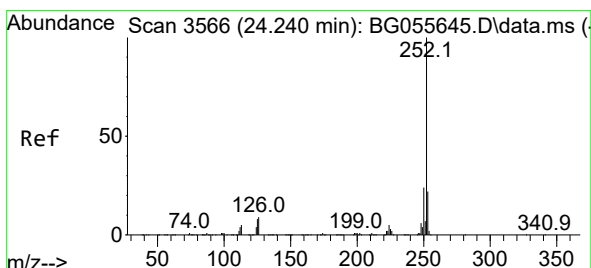
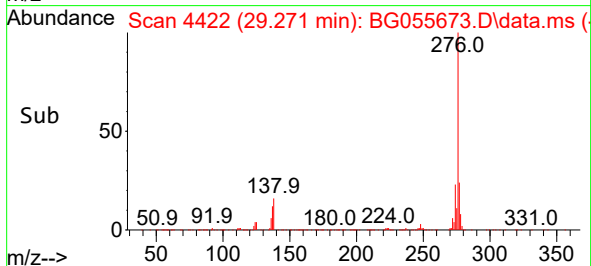
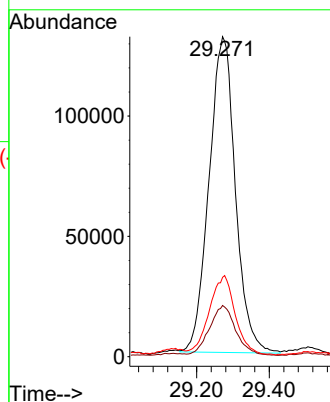
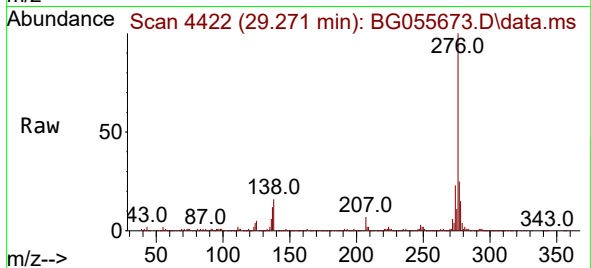
Tgt Ion:276 Resp: 662071

Ion Ratio Lower Upper

276 100

138 15.8 10.4 15.6#

277 25.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 61.662 ng

RT: 24.254 min Scan# 3568

Delta R.T. 0.014 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

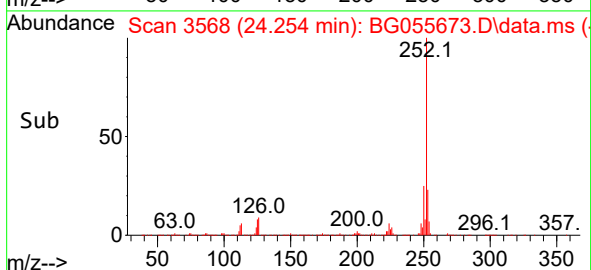
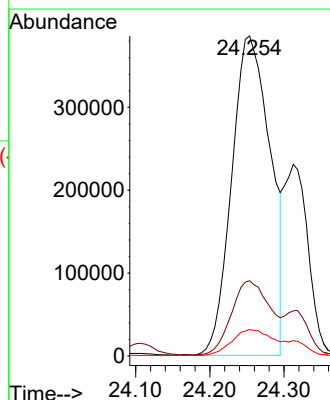
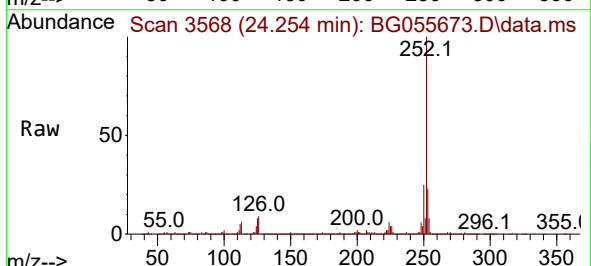
Tgt Ion:252 Resp: 1395894

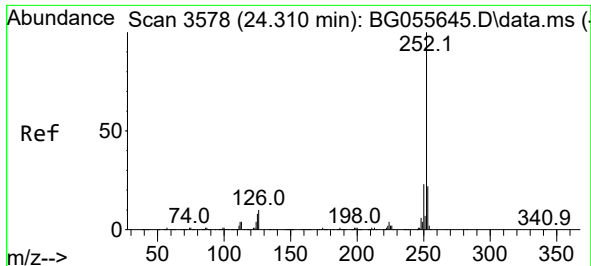
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 8.2 6.2 9.2

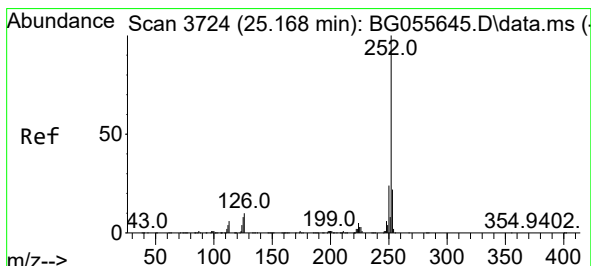
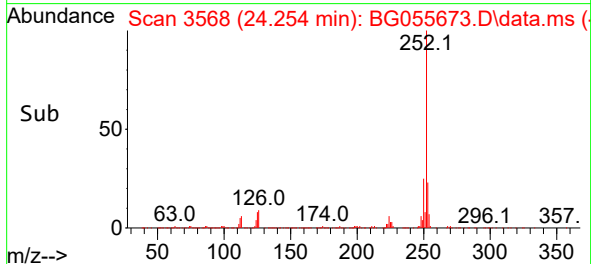
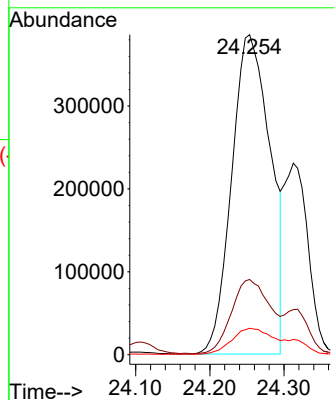
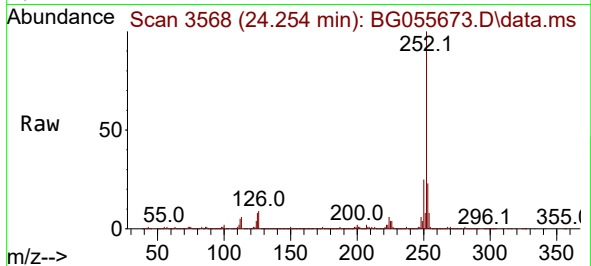




#89
Benzo(k)fluoranthene
Concen: 61.859 ng
RT: 24.254 min Scan# 31
Delta R.T. -0.057 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

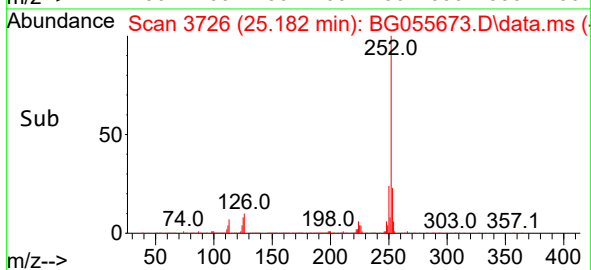
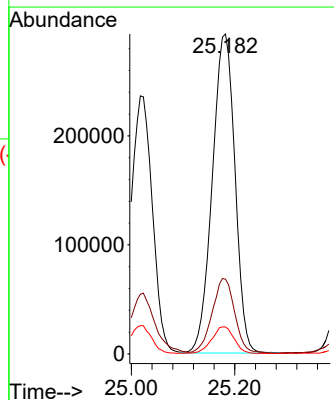
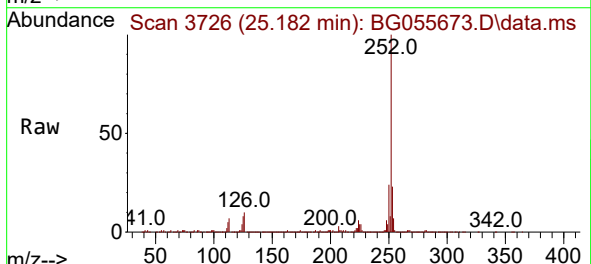
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

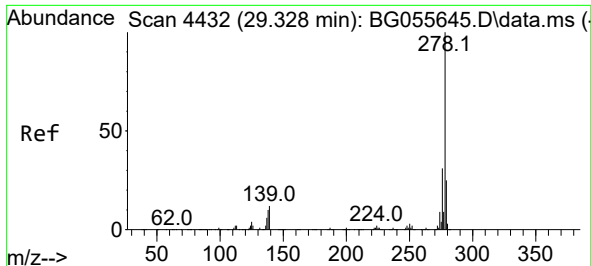
Tgt Ion:252 Resp: 1395894
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.2 6.1 9.1



#90
Benzo(a)pyrene
Concen: 45.815 ng
RT: 25.182 min Scan# 3726
Delta R.T. 0.014 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:252 Resp: 890013
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 8.5 6.4 9.6

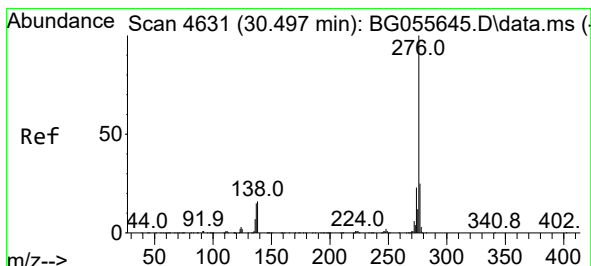
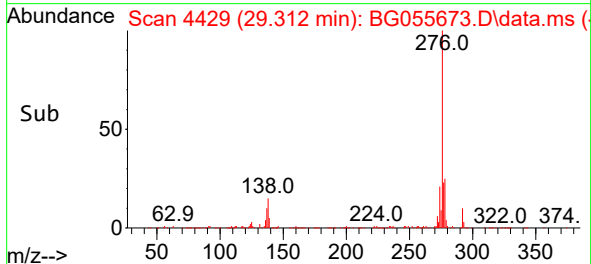
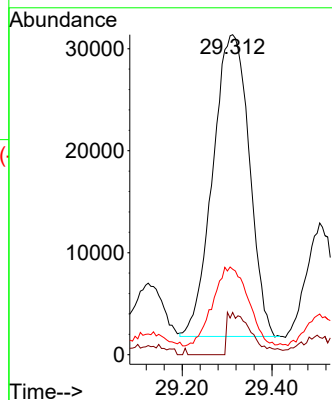
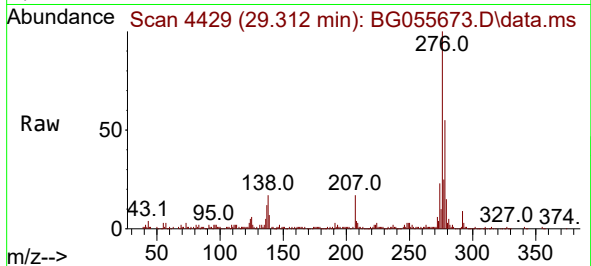




#91
Dibenzo(a,h)anthracene
Concen: 7.169 ng
RT: 29.312 min Scan# 4432
Delta R.T. -0.016 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion:278 Resp: 166826
Ion Ratio Lower Upper
278 100
139 13.2 9.8 14.8
279 26.7 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 26.479 ng
RT: 30.505 min Scan# 4632
Delta R.T. 0.008 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:276 Resp: 621022
Ion Ratio Lower Upper
276 100
277 24.5 19.8 29.6
138 16.8 13.1 19.7

