

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055748.D
 Acq On : 22 Nov 2022 20:40
 Operator : CG/JU
 Sample : N5718-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228

Quant Time: Nov 23 01:40:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

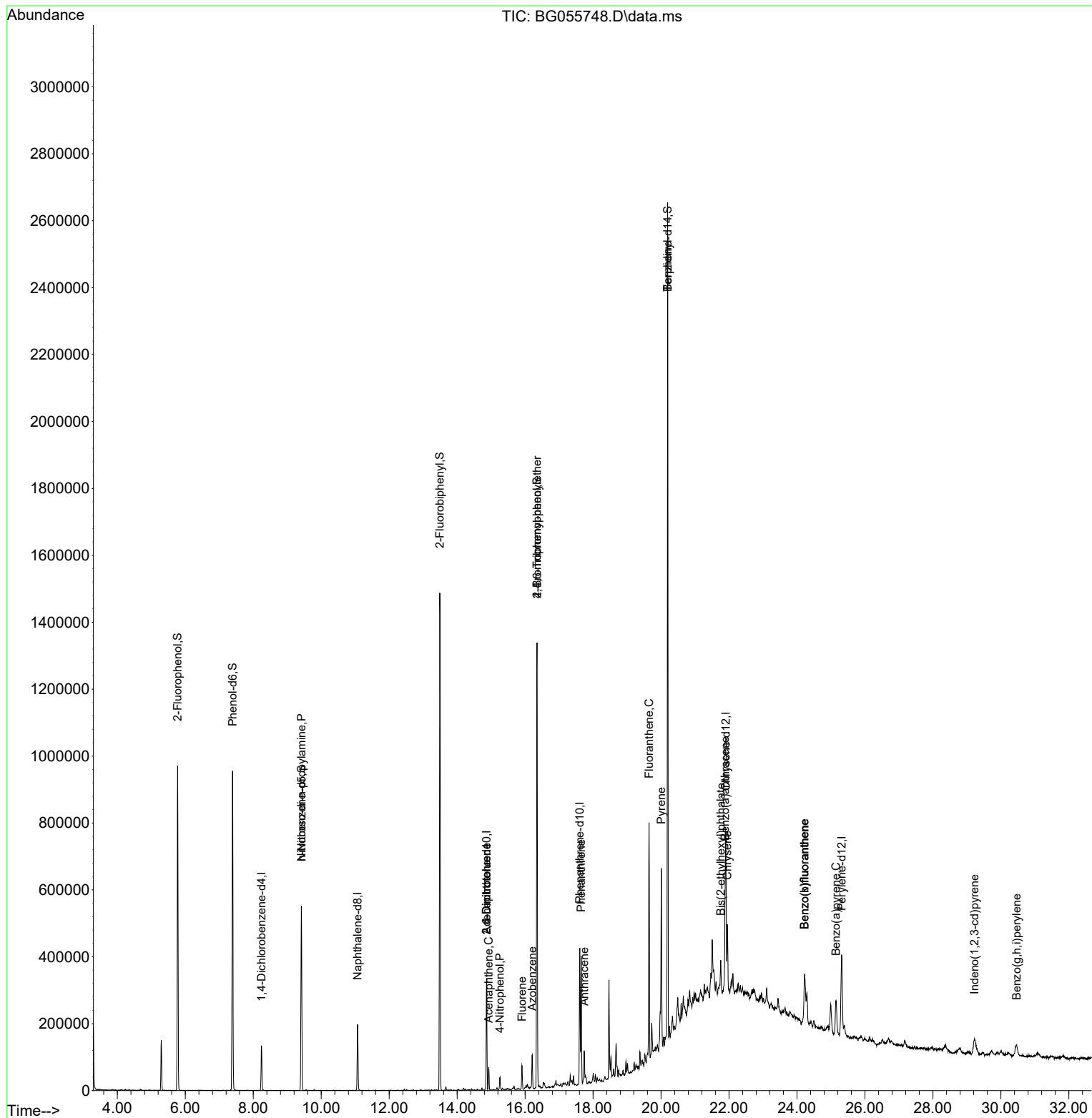
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.243	152	38188	20.000	ng	0.00
21) Naphthalene-d8	11.069	136	169548	20.000	ng	0.00
39) Acenaphthene-d10	14.864	164	120687	20.000	ng	0.00
64) Phenanthrene-d10	17.608	188	266427	20.000	ng	0.00
76) Chrysene-d12	21.903	240	245048	20.000	ng	0.00
86) Perylene-d12	25.317	264	263743	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.775	112	411797	194.912	ng	0.00
7) Phenol-d6	7.391	99	540313	192.119	ng	0.00
23) Nitrobenzene-d5	9.418	82	335366	104.547	ng	0.00
42) 2,4,6-Tribromophenol	16.351	330	277600	163.349	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	800026	99.310	ng	0.00
79) Terphenyl-d14	20.193	244	1196837	97.688	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.418	70	45191	20.913	ng	# 78
51) 2,6-Dinitrotoluene	14.864	165	16109	8.189	ng	# 24
52) Acenaphthene	14.929	154	25895	3.520	ng	97
56) 4-Nitrophenol	15.258	139	8114	4.787	ng	# 6
57) 2,4-Dinitrotoluene	14.864	165	16109	5.808	ng	# 22
58) Fluorene	15.910	166	33148	3.657	ng	99
63) Azobenzene	16.210	77	27490	3.237	ng	# 1
67) 4-Bromophenyl-phenylether	16.351	248	18215	6.000	ng	# 1
71) Phenanthrene	17.649	178	236932	16.479	ng	99
72) Anthracene	17.737	178	64482	4.616	ng	98
75) Fluoranthene	19.647	202	440367	25.176	ng	99
77) Benzidine	20.193	184	19744	3.483	ng	# 92
78) Pyrene	20.005	202	349975	21.100	ng	100
81) Benzo(a)anthracene	21.886	228	146470	8.678	ng	99
83) Chrysene	21.950	228	147555	9.183	ng	97
84) Bis(2-ethylhexyl)phtha...	21.756	149	43778	4.691	ng	99
87) Indeno(1,2,3-cd)pyrene	29.224	276	84012	3.888	ng	# 95
88) Benzo(b)fluoranthene	24.224	252	198751	11.571	ng	# 96
89) Benzo(k)fluoranthene	24.224	252	198751	11.608	ng	# 96
90) Benzo(a)pyrene	25.146	252	127587	8.656	ng	# 95
92) Benzo(g,h,i)perylene	30.464	276	84802	4.765	ng	97

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

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Quant Time: Nov 23 01:40:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

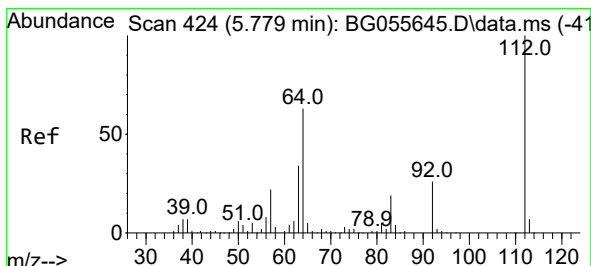
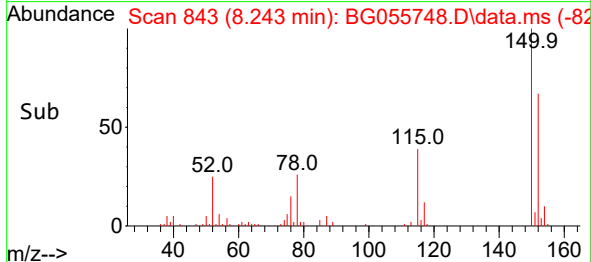
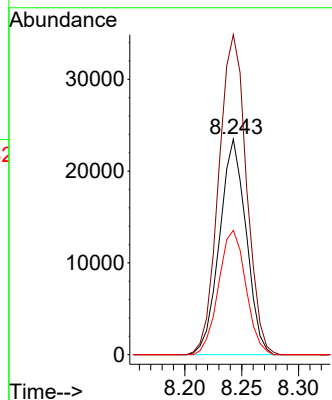
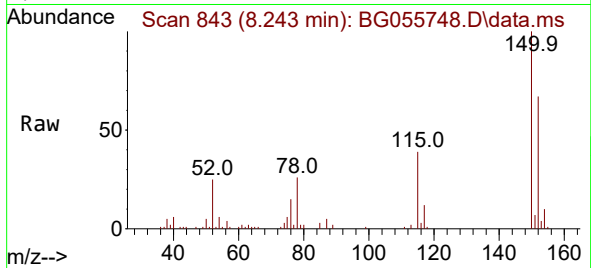




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.243 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

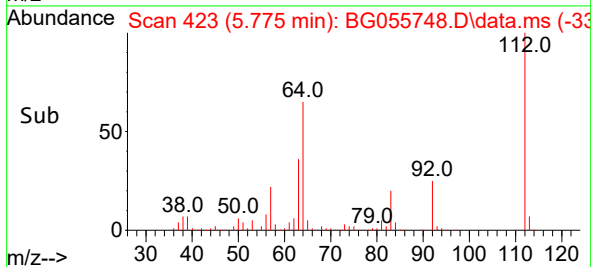
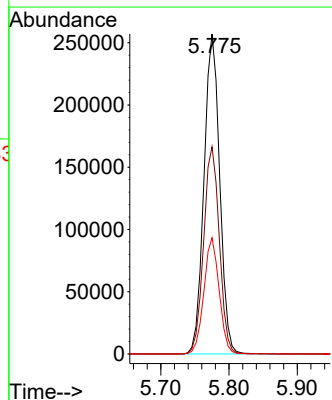
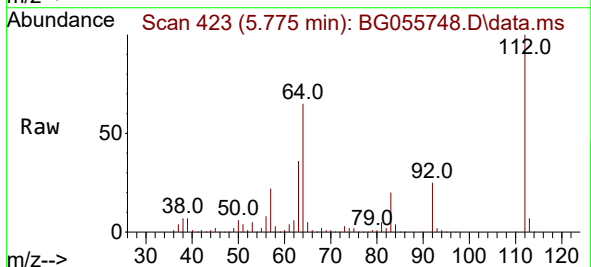
Instrument :
BNA_G
ClientSampleId :
VNJ-228

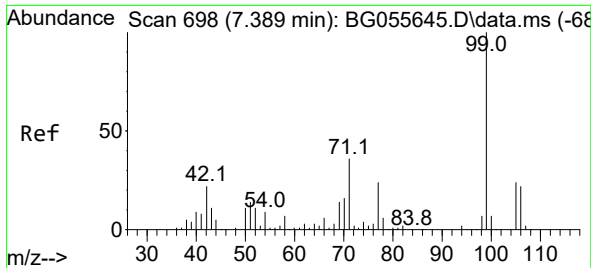
Tgt Ion:152 Resp: 38188
Ion Ratio Lower Upper
152 100
150 148.4 123.0 184.6
115 57.7 47.0 70.4



#5
2-Fluorophenol
Concen: 194.912 ng
RT: 5.775 min Scan# 423
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:112 Resp: 411797
Ion Ratio Lower Upper
112 100
64 64.8 50.6 76.0
63 36.3 27.5 41.3

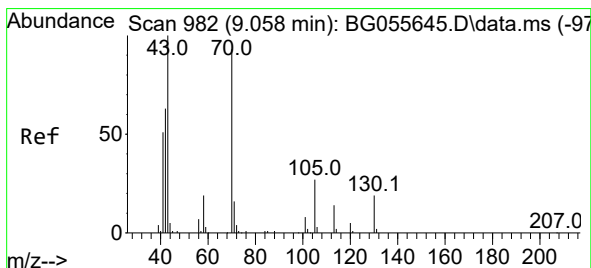
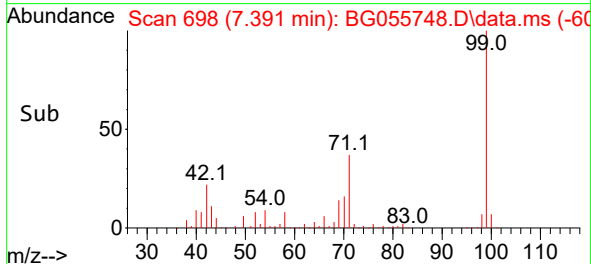
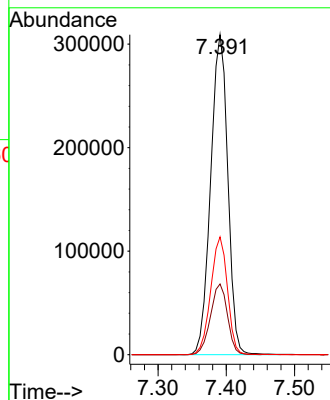
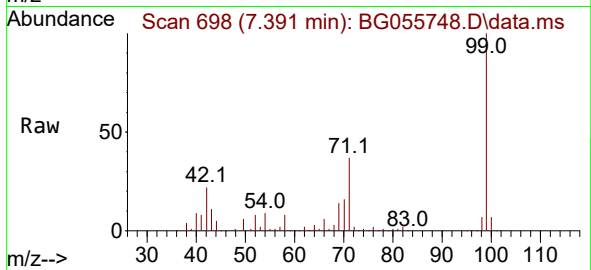




#7
Phenol-d6
Concen: 192.119 ng
RT: 7.391 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

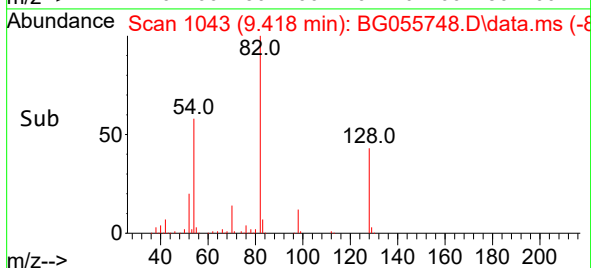
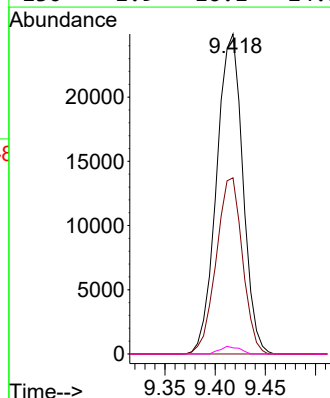
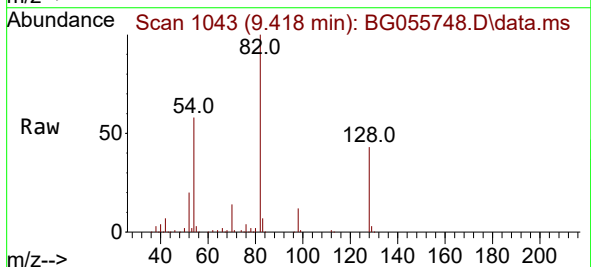
Instrument :
BNA_G
ClientSampleId :
VNJ-228

Tgt Ion: 99 Resp: 540313
Ion Ratio Lower Upper
99 100
42 22.1 18.0 27.0
71 36.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.913 ng
RT: 9.418 min Scan# 1043
Delta R.T. 0.373 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion: 70 Resp: 45191
Ion Ratio Lower Upper
70 100
42 55.0 55.2 82.8#
101 0.0 7.1 10.7#
130 1.9 16.1 24.1#

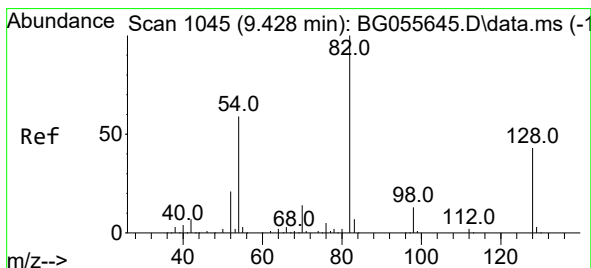
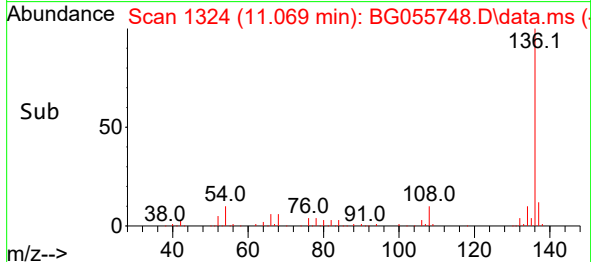
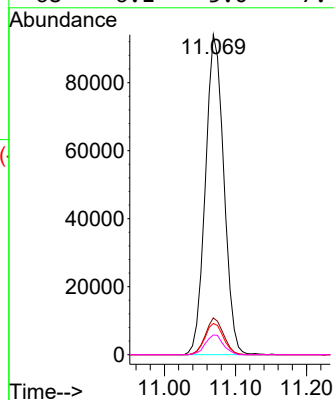
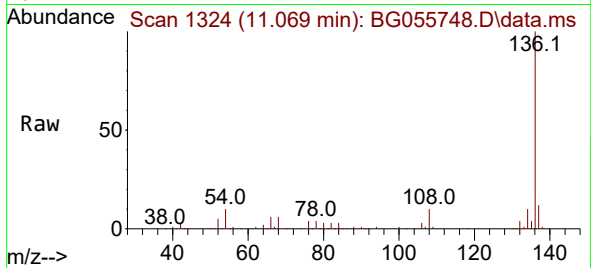




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.069 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

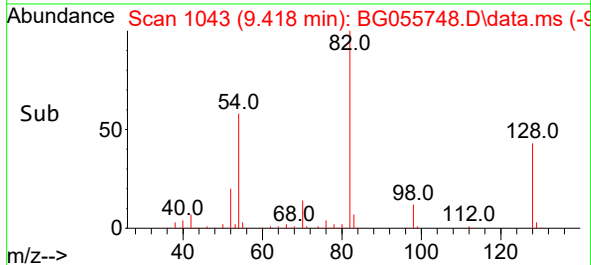
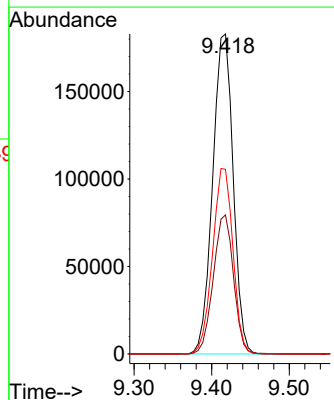
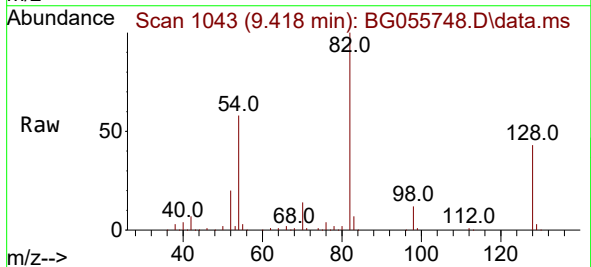
Instrument :
BNA_G
ClientSampleId :
VNJ-228

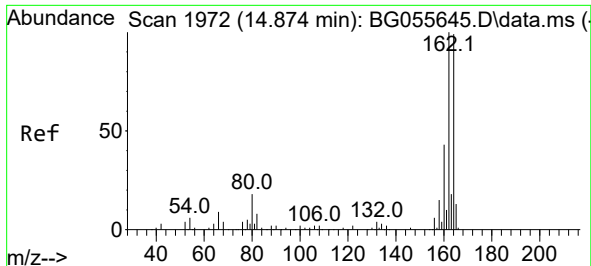
Tgt Ion:	136	Resp:	169548
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	9.8	7.8	11.6
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 104.547 ng
RT: 9.418 min Scan# 1043
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:	82	Resp:	335366
Ion Ratio	Lower	Upper	
82	100		
128	43.4	34.1	51.1
54	57.7	47.3	70.9

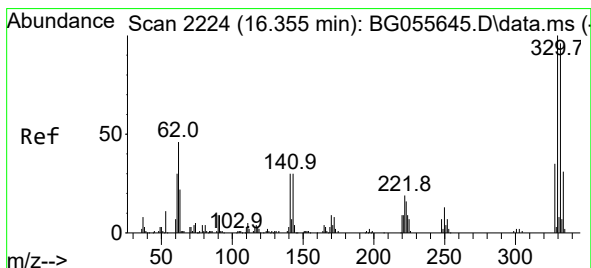
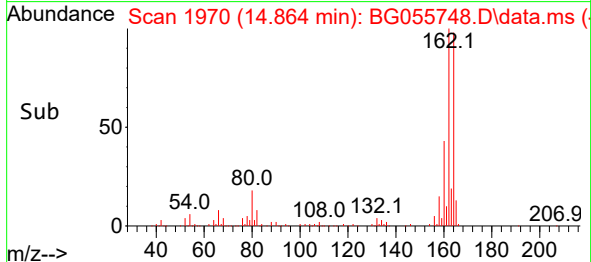
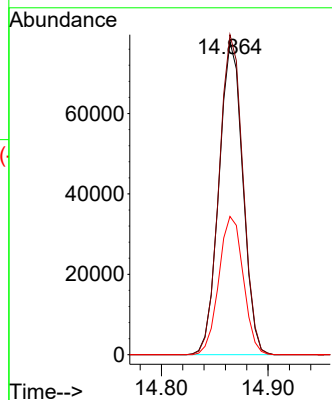
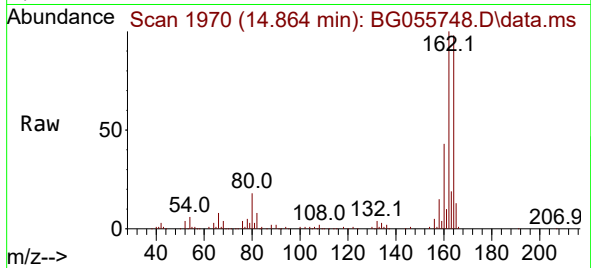




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.864 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

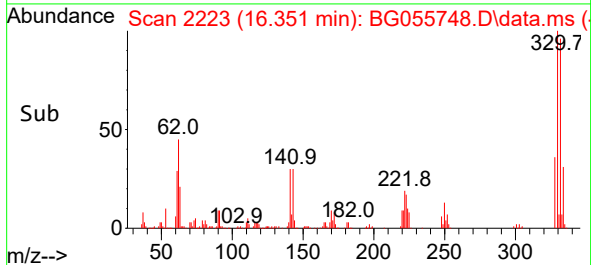
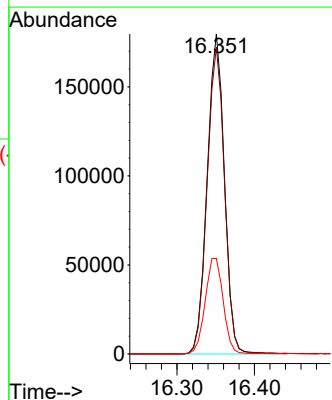
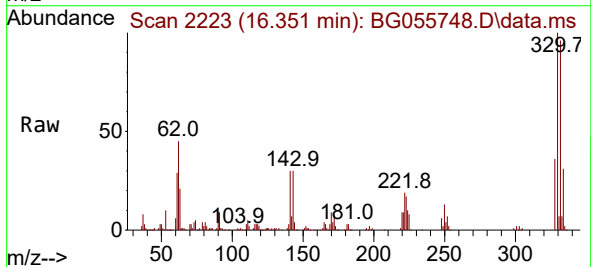
Instrument :
BNA_G
ClientSampleId :
VNJ-228

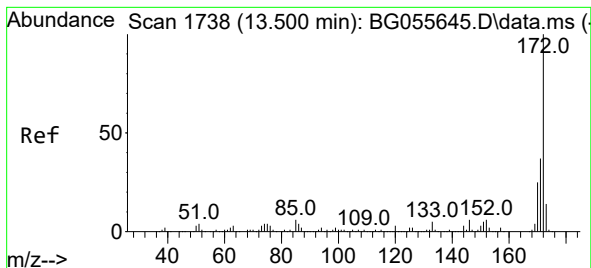
Tgt Ion:164 Resp: 120687
Ion Ratio Lower Upper
164 100
162 102.2 81.1 121.7
160 44.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 163.349 ng
RT: 16.351 min Scan# 2223
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:330 Resp: 277600
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 31.4 23.9 35.9

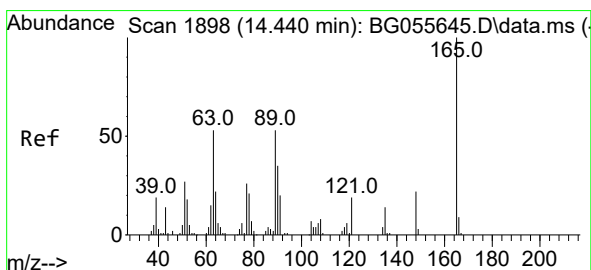
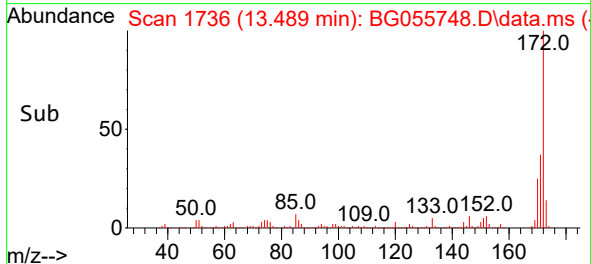
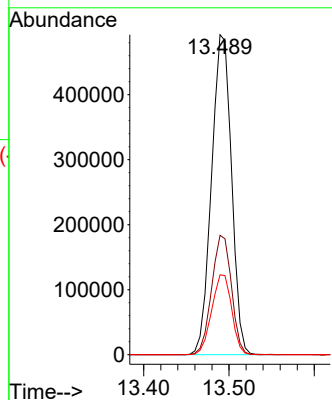
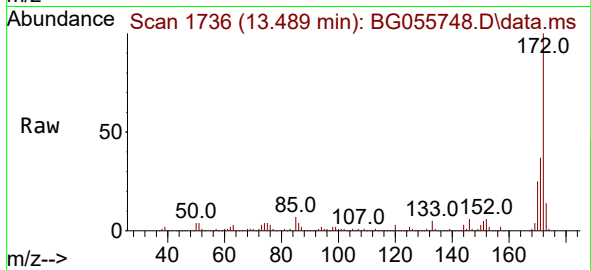




#45
2-Fluorobiphenyl
Concen: 99.310 ng
RT: 13.489 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

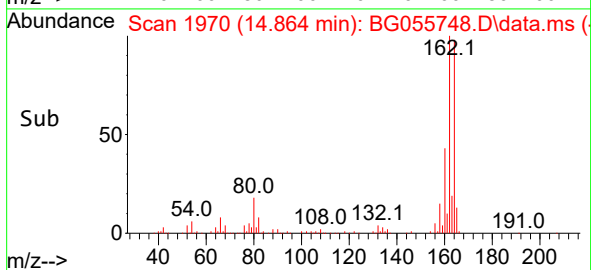
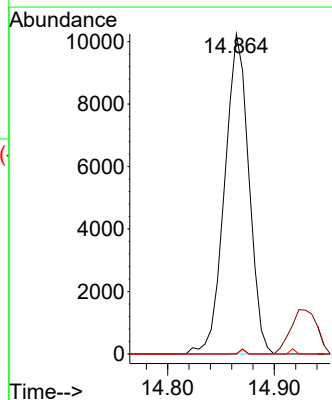
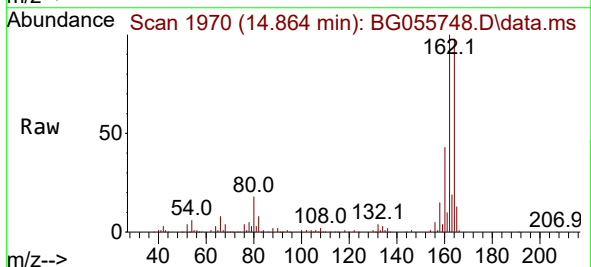
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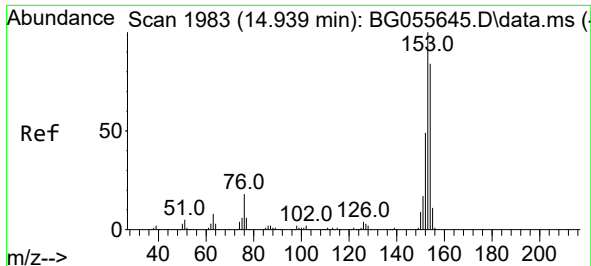
Tgt Ion:172 Resp: 800026
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 24.9 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.189 ng
RT: 14.864 min Scan# 1970
Delta R.T. 0.432 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:165 Resp: 16109
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#

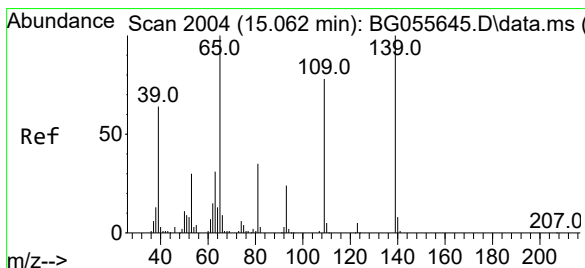
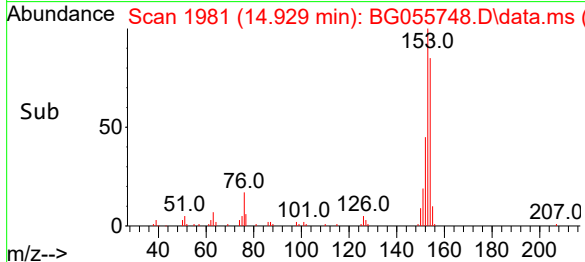
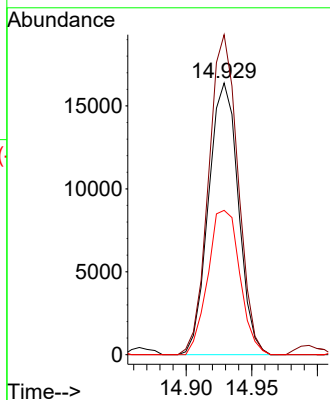
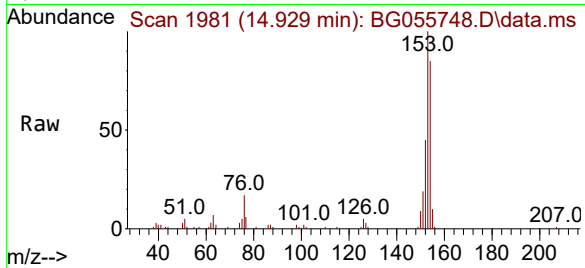




#52
Acenaphthene
Concen: 3.520 ng
RT: 14.929 min Scan# 1983
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

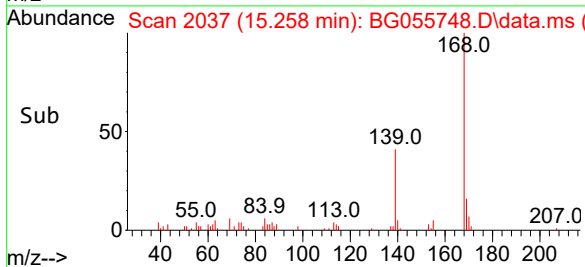
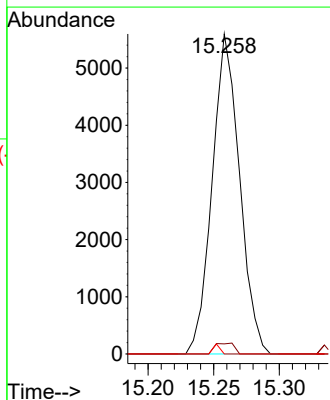
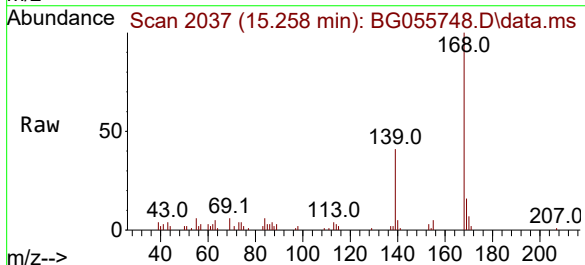
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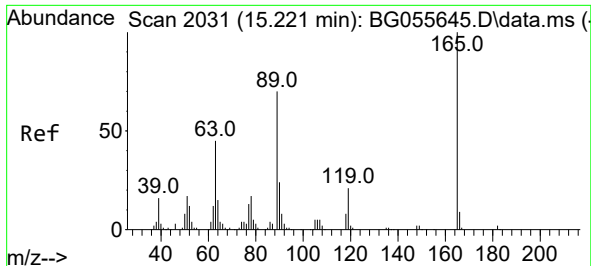
Tgt Ion:154 Resp: 25895
Ion Ratio Lower Upper
154 100
153 117.8 95.0 142.4
152 53.1 46.1 69.1



#56
4-Nitrophenol
Concen: 4.787 ng
RT: 15.258 min Scan# 2037
Delta R.T. 0.197 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:139 Resp: 8114
Ion Ratio Lower Upper
139 100
109 3.1 58.6 98.6#
65 0.0 80.5 120.5#





#57

2,4-Dinitrotoluene

Concen: 5.808 ng

RT: 14.864 min Scan# 14

Delta R.T. -0.356 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

Tgt Ion:165 Resp: 16109

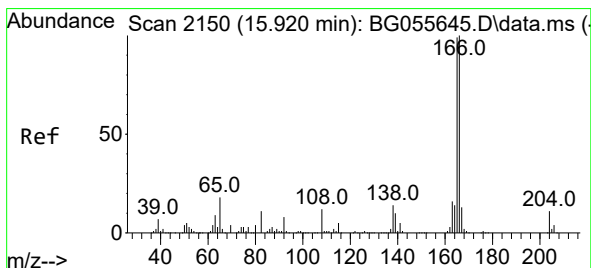
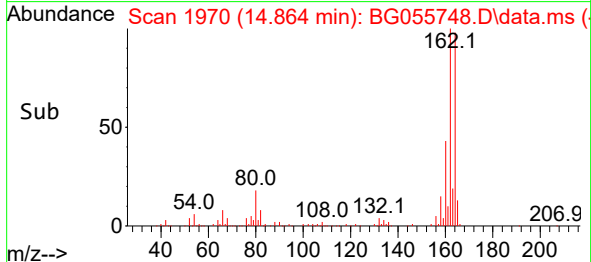
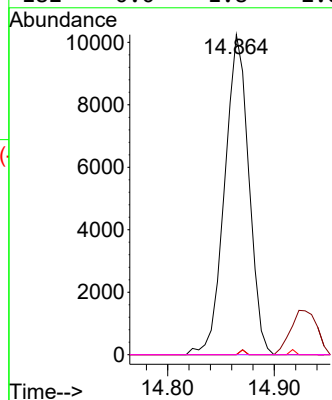
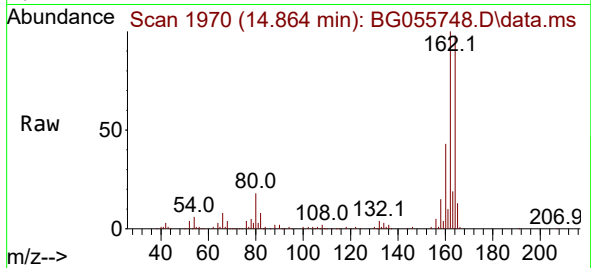
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#58

Fluorene

Concen: 3.657 ng

RT: 15.910 min Scan# 2148

Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

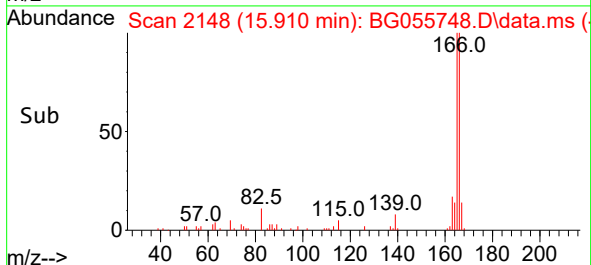
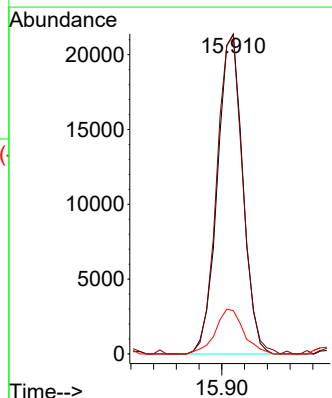
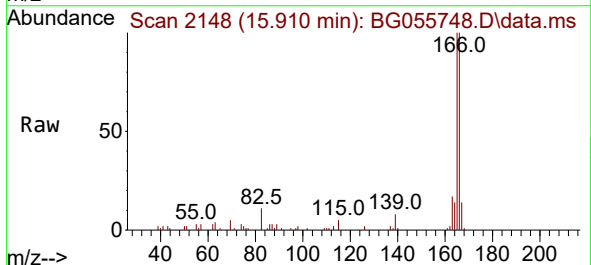
Tgt Ion:166 Resp: 33148

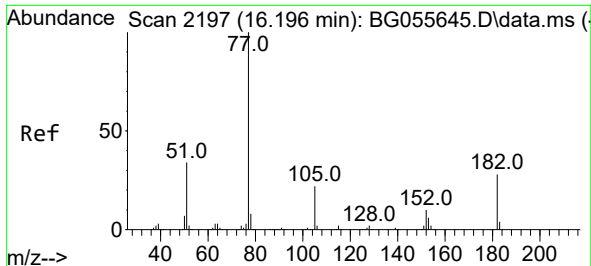
Ion Ratio Lower Upper

166 100

165 99.7 79.3 118.9

167 13.6 10.6 15.8

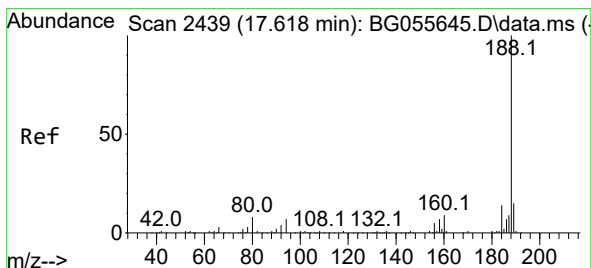
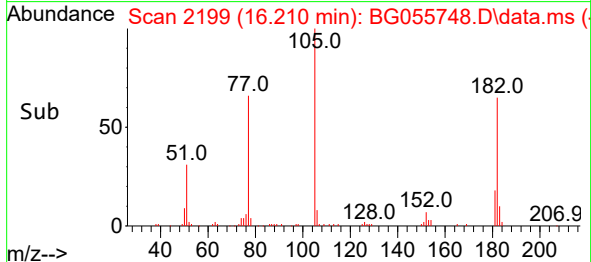
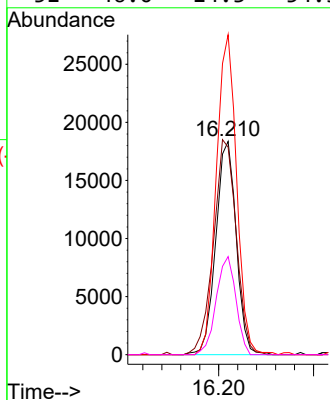
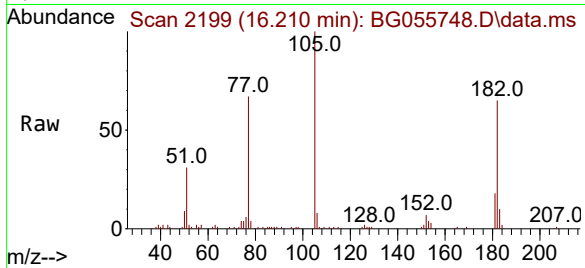




#63
Azobenzene
Concen: 3.237 ng
RT: 16.210 min Scan# 2197
Delta R.T. 0.020 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

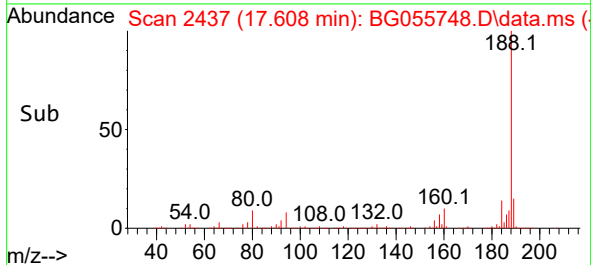
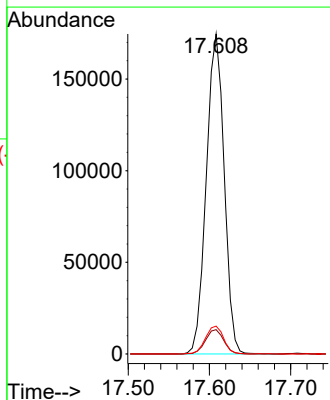
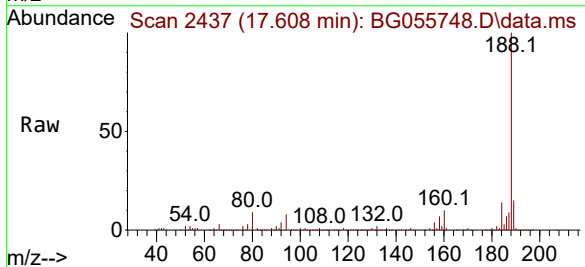
Instrument :
BNA_G
ClientSampleId :
VNJ-228

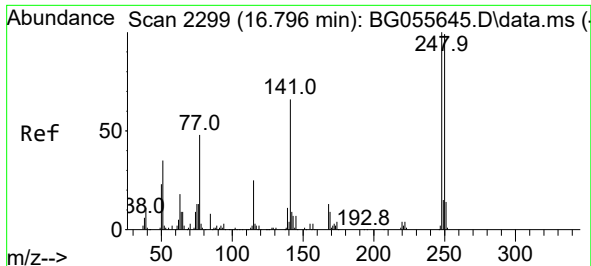
Tgt Ion: 77	Resp: 27490
Ion Ratio	Lower Upper
77 100	
182 97.3	8.1 48.1#
105 150.0	1.8 41.8#
51 46.0	14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.608 min Scan# 2437
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion: 188	Resp: 266427
Ion Ratio	Lower Upper
188 100	
94 7.6	5.4 8.2
80 8.7	6.6 10.0

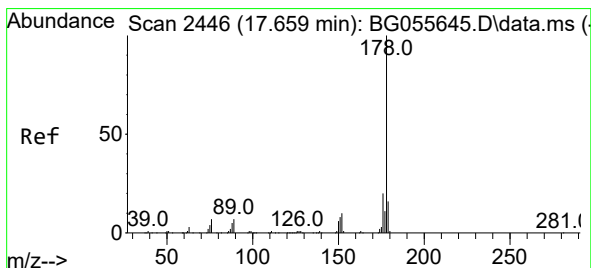
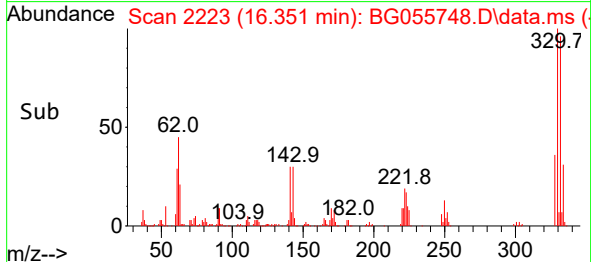
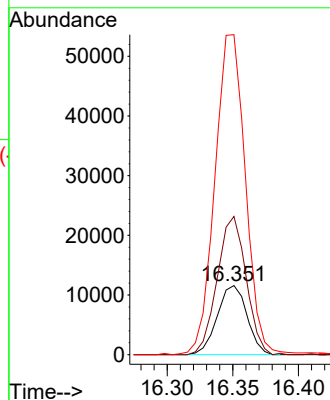
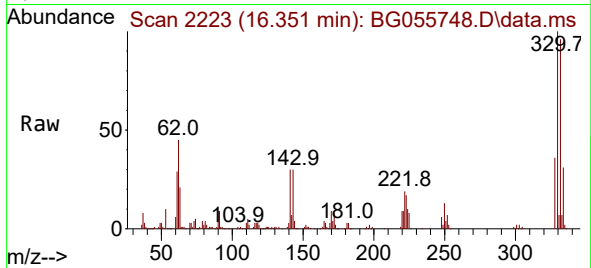




#67
4-Bromophenyl-phenylether
Concen: 6.000 ng
RT: 16.351 min Scan# 211
Delta R.T. -0.438 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

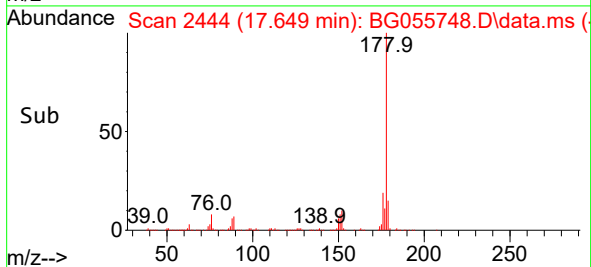
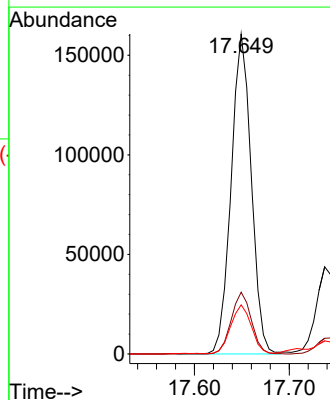
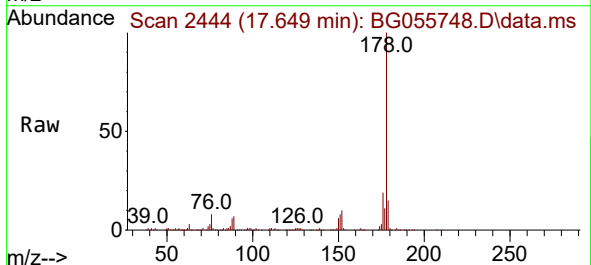
Instrument :
BNA_G
ClientSampleId :
VNJ-228

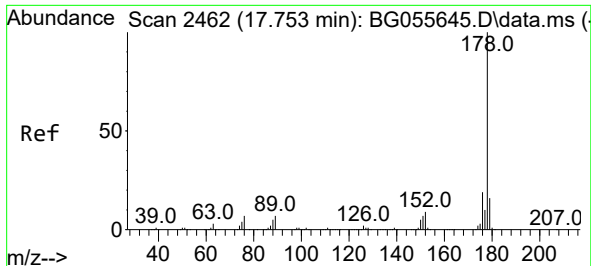
Tgt Ion:248 Resp: 18215
Ion Ratio Lower Upper
248 100
250 200.1 79.0 118.4#
141 463.0 52.9 79.3#



#71
Phenanthrene
Concen: 16.479 ng
RT: 17.649 min Scan# 2444
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:178 Resp: 236932
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.7 19.1

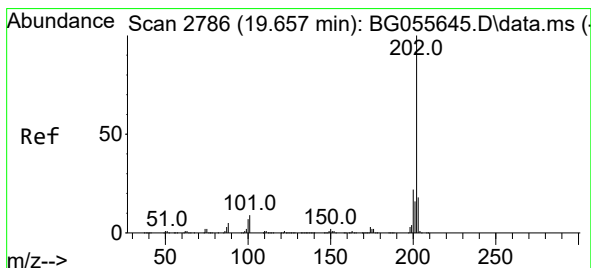
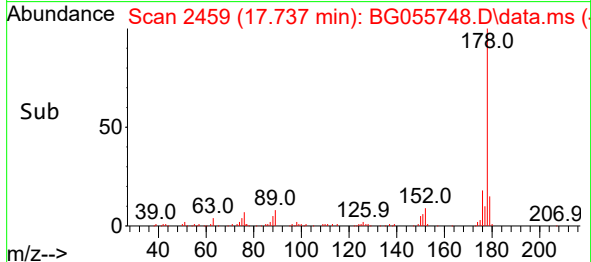
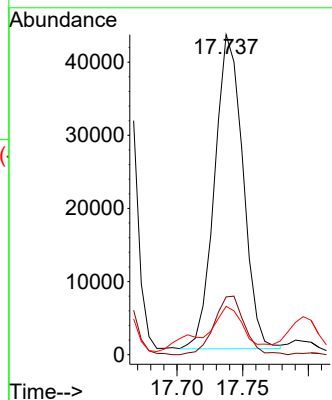
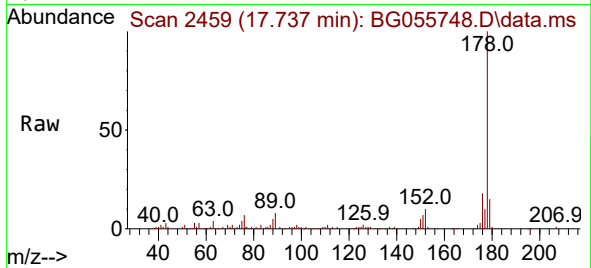




#72
 Anthracene
 Concen: 4.616 ng
 RT: 17.737 min Scan# 2462
 Delta R.T. -0.003 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

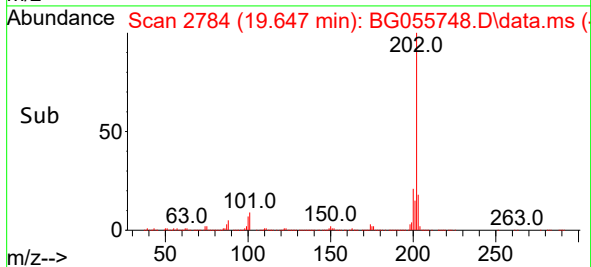
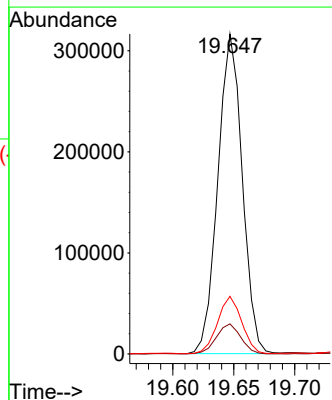
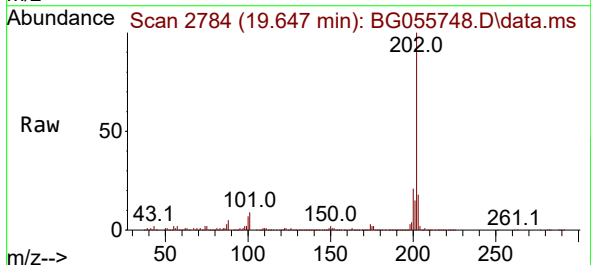
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228

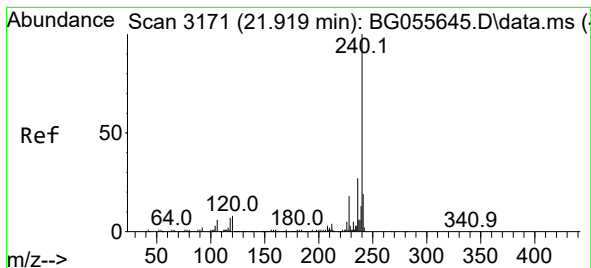
Tgt Ion:178 Resp: 64482
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 15.1 12.5 18.7



#75
 Fluoranthene
 Concen: 25.176 ng
 RT: 19.647 min Scan# 2784
 Delta R.T. 0.003 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

Tgt Ion:202 Resp: 440367
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 28.8
 203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.903 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

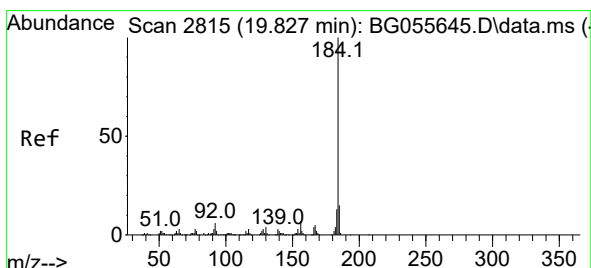
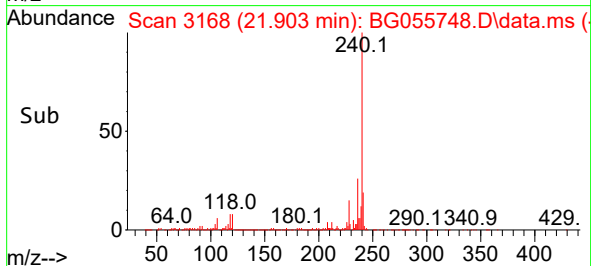
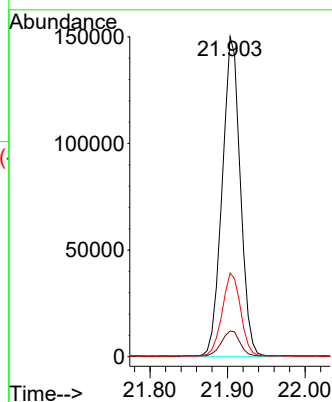
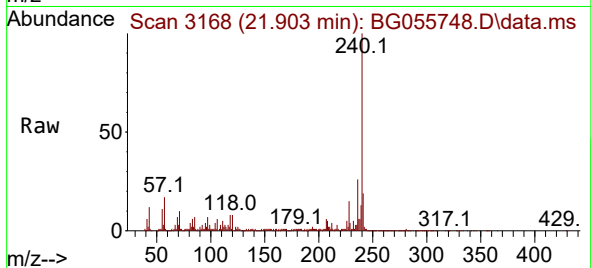
Tgt Ion:240 Resp: 245048

Ion Ratio Lower Upper

240 100

120 8.0 6.3 9.5

236 26.2 21.9 32.9



#77

Benzidine

Concen: 3.483 ng

RT: 20.193 min Scan# 2877

Delta R.T. 0.379 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

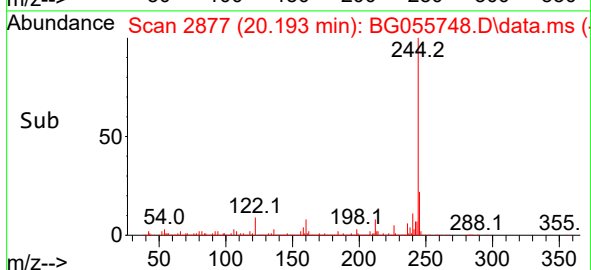
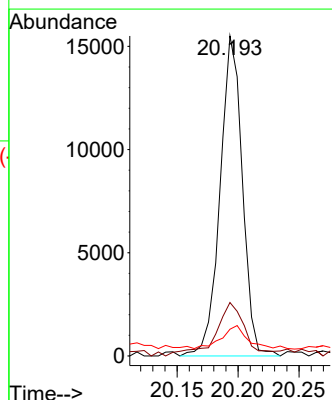
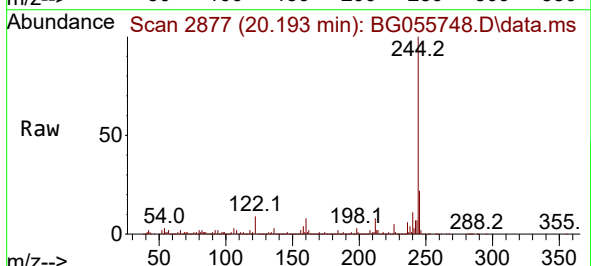
Tgt Ion:184 Resp: 19744

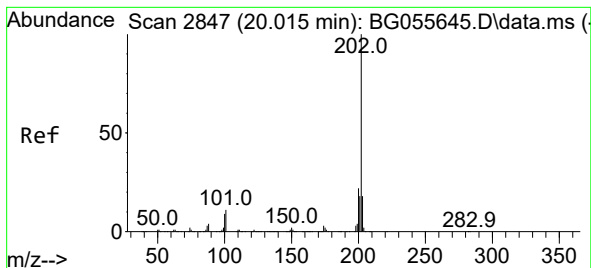
Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.8

183 8.4 10.6 15.8#





#78

Pyrene

Concen: 21.100 ng

RT: 20.005 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

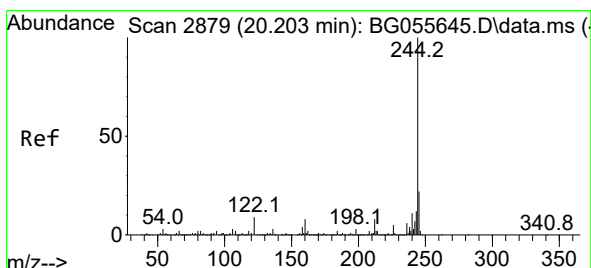
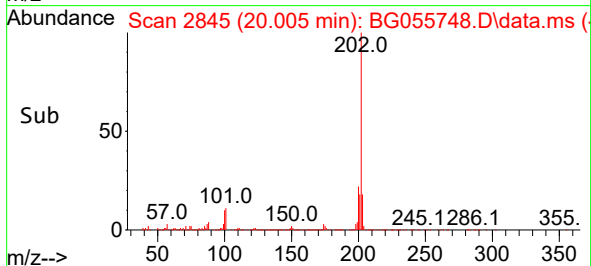
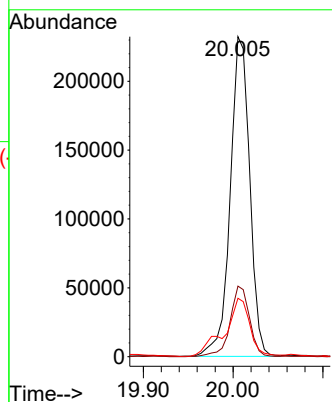
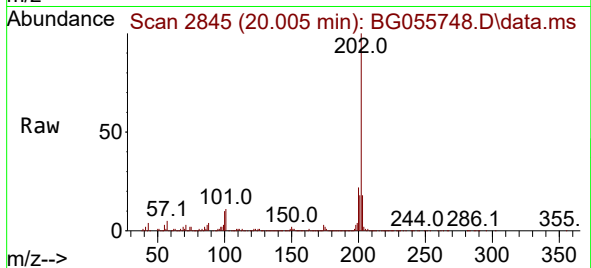
Tgt Ion:202 Resp: 349975

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.6

203 18.3 14.4 21.6



#79

Terphenyl-d14

Concen: 97.688 ng

RT: 20.193 min Scan# 2877

Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

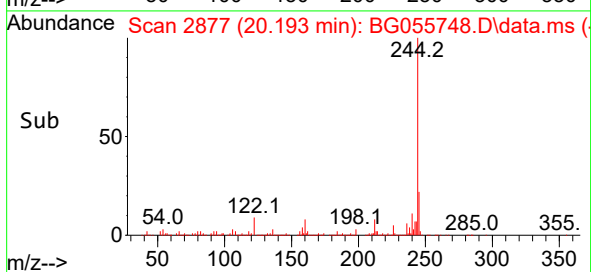
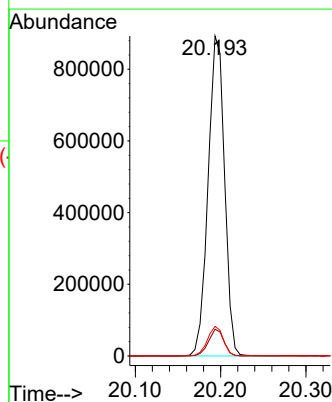
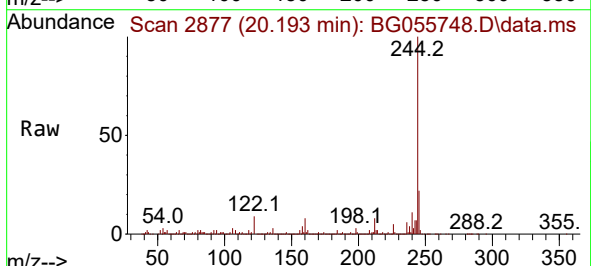
Tgt Ion:244 Resp: 1196837

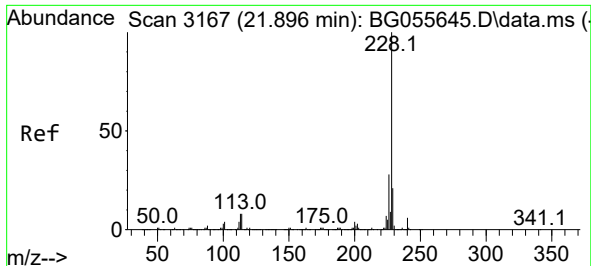
Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

122 9.3 6.9 10.3

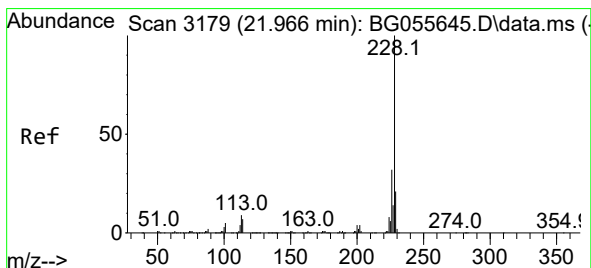
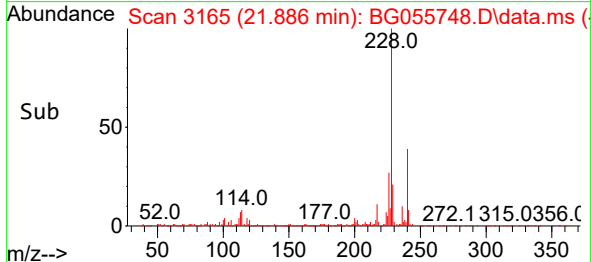
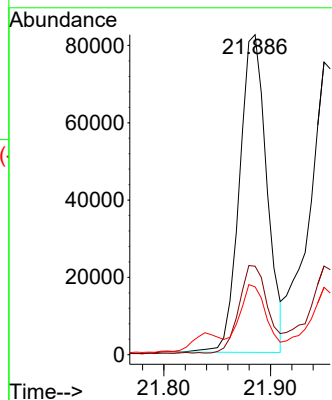
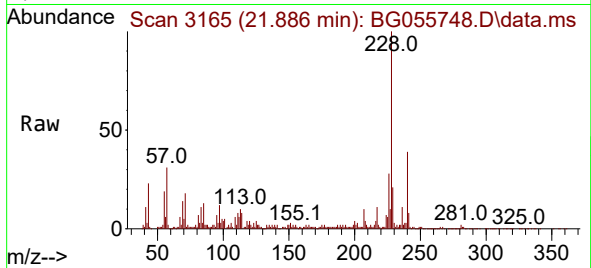




#81
Benzo(a)anthracene
Concen: 8.678 ng
RT: 21.886 min Scan# 3165
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

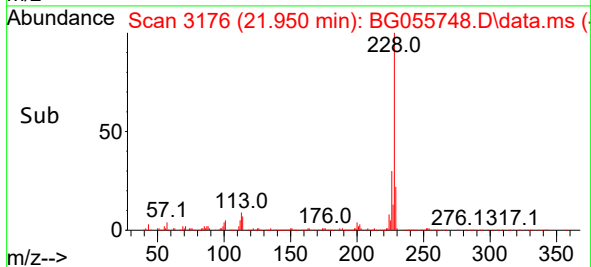
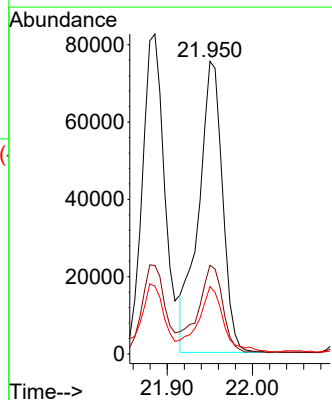
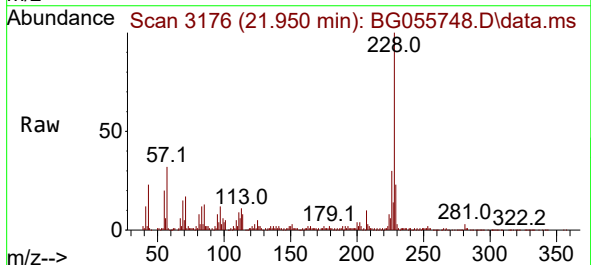
Instrument :
BNA_G
ClientSampleId :
VNJ-228

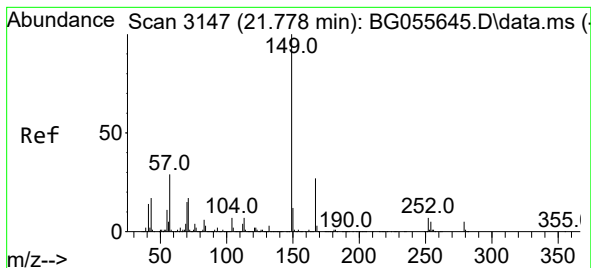
Tgt Ion:228 Resp: 146470
Ion Ratio Lower Upper
228 100
226 27.6 22.7 34.1
229 21.2 16.5 24.7



#83
Chrysene
Concen: 9.183 ng
RT: 21.950 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:228 Resp: 147555
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.2
229 23.0 17.1 25.7

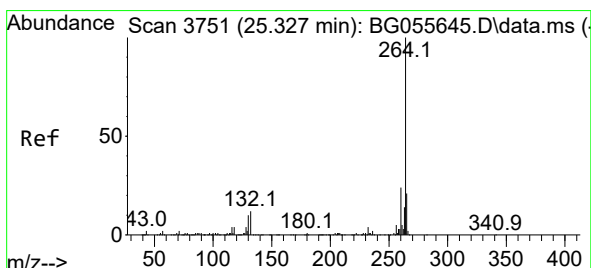
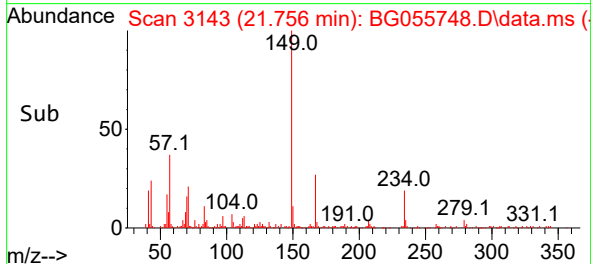
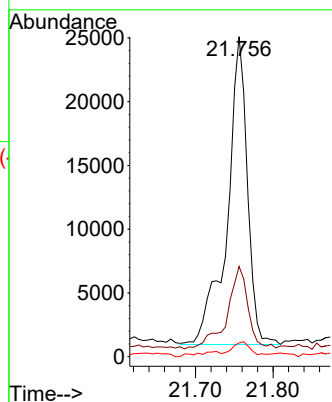
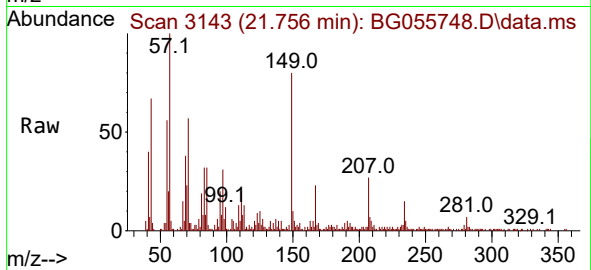




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.691 ng
 RT: 21.756 min Scan# 3143
 Delta R.T. 0.003 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

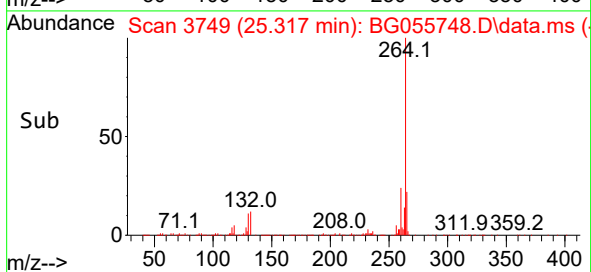
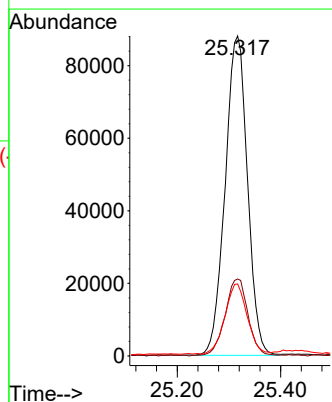
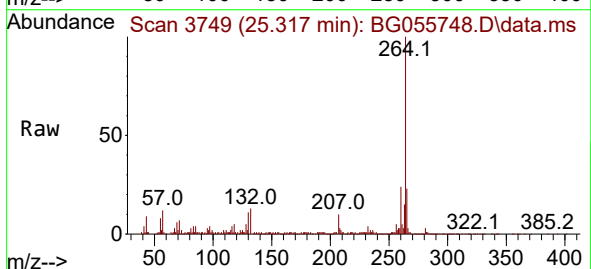
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228

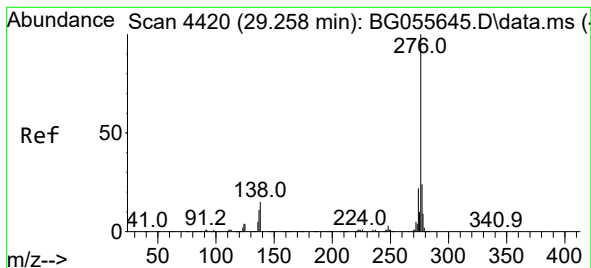
Tgt Ion:149 Resp: 43778
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.0 33.0
 279 4.3 3.7 5.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.317 min Scan# 3749
 Delta R.T. 0.014 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

Tgt Ion:264 Resp: 263743
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.888 ng

RT: 29.224 min Scan# 4414

Delta R.T. -0.009 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

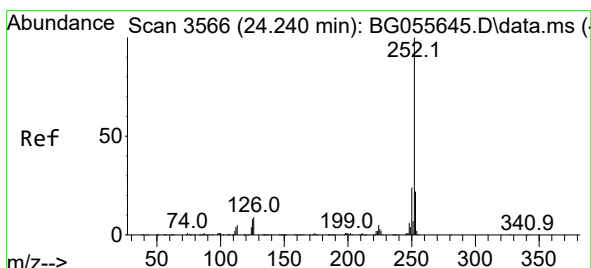
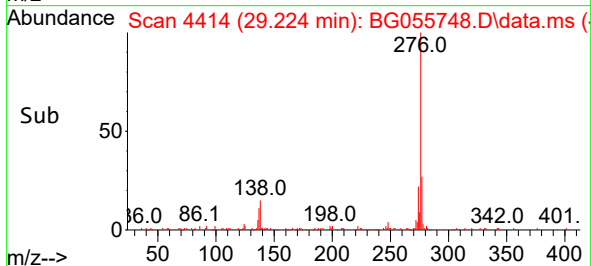
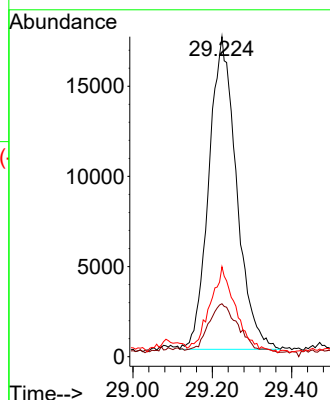
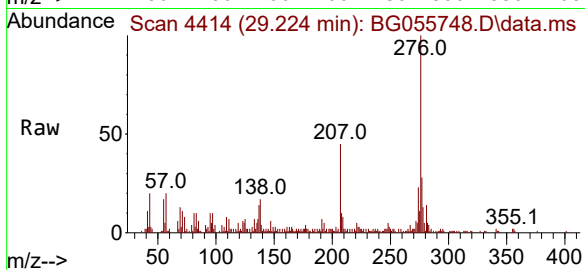
Tgt Ion:276 Resp: 84012

Ion Ratio Lower Upper

276 100

138 17.3 10.4 15.6#

277 26.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 11.571 ng

RT: 24.224 min Scan# 3563

Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

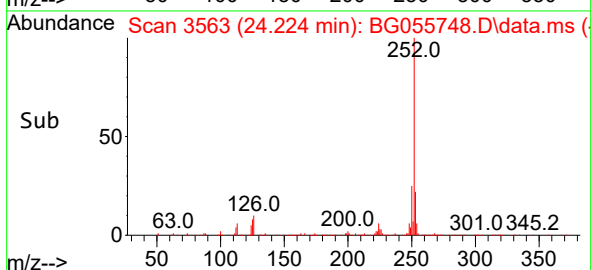
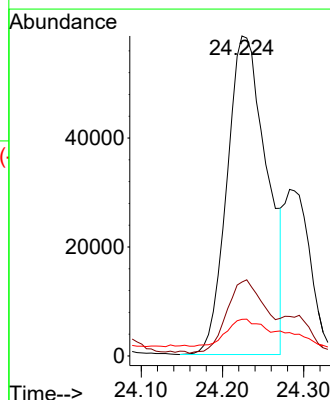
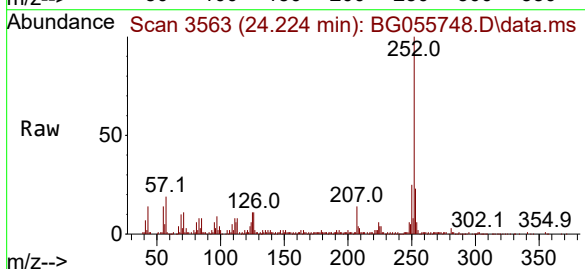
Tgt Ion:252 Resp: 198751

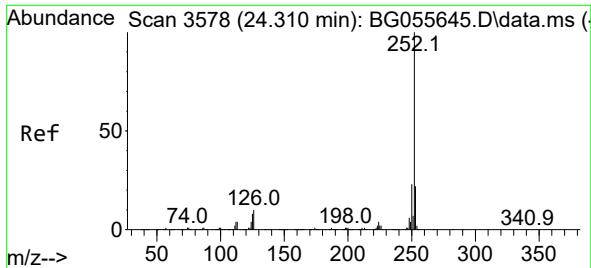
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 11.4 6.2 9.2#

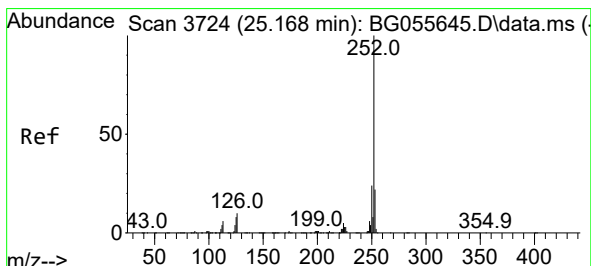
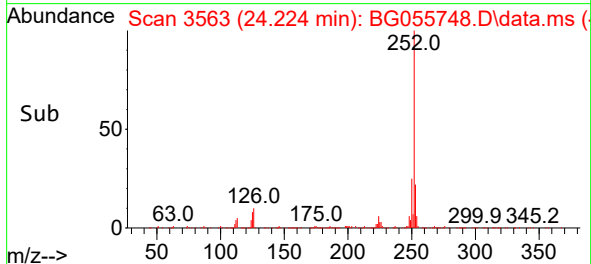
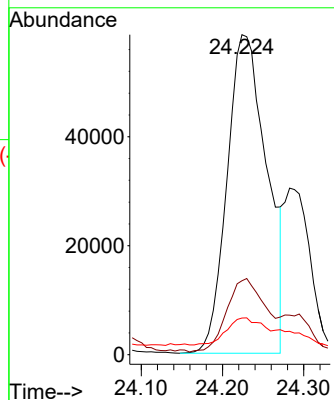
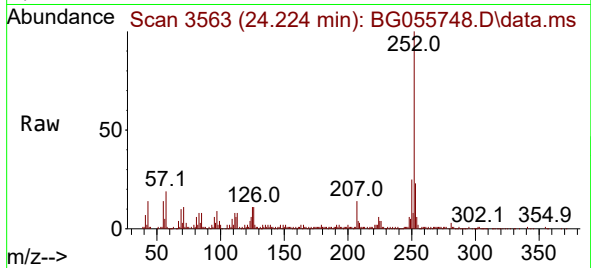




#89
Benzo(k)fluoranthene
Concen: 11.608 ng
RT: 24.224 min Scan# 31
Delta R.T. -0.068 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

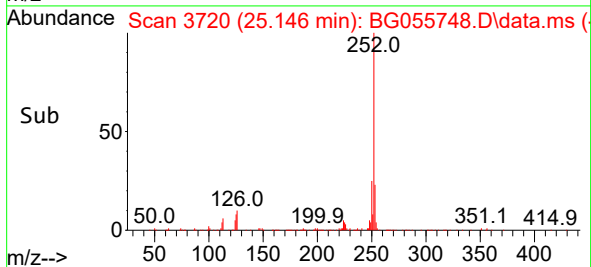
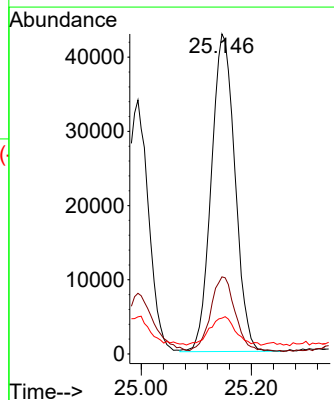
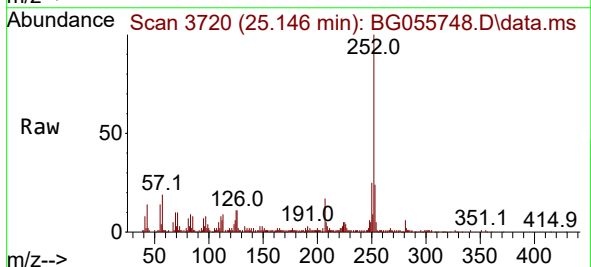
Instrument :
BNA_G
ClientSampleId :
VNJ-228

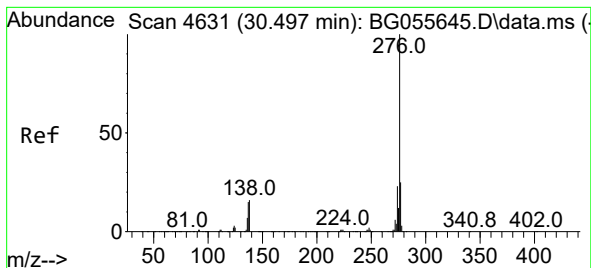
Tgt Ion:252 Resp: 198751
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.4 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 8.656 ng
RT: 25.146 min Scan# 3720
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:252 Resp: 127587
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 11.2 6.4 9.6#





#92

Benzo(g,h,i)perylene

Concen: 4.765 ng

RT: 30.464 min Scan# 4

Delta R.T. 0.003 min

Lab File: BG055748.D

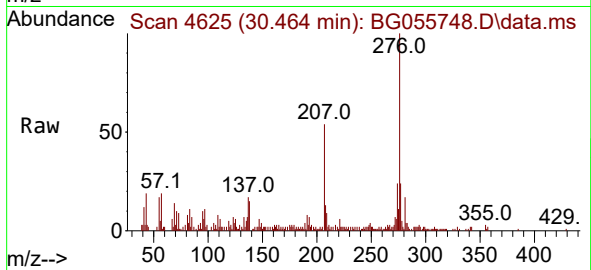
Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228



Tgt Ion:276 Resp: 84802

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.6

138 14.6 13.1 19.7

