

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055904.D
 Acq On : 6 Dec 2022 15:19
 Operator : CG/JU
 Sample : N5881-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Quant Time: Dec 07 05:10:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

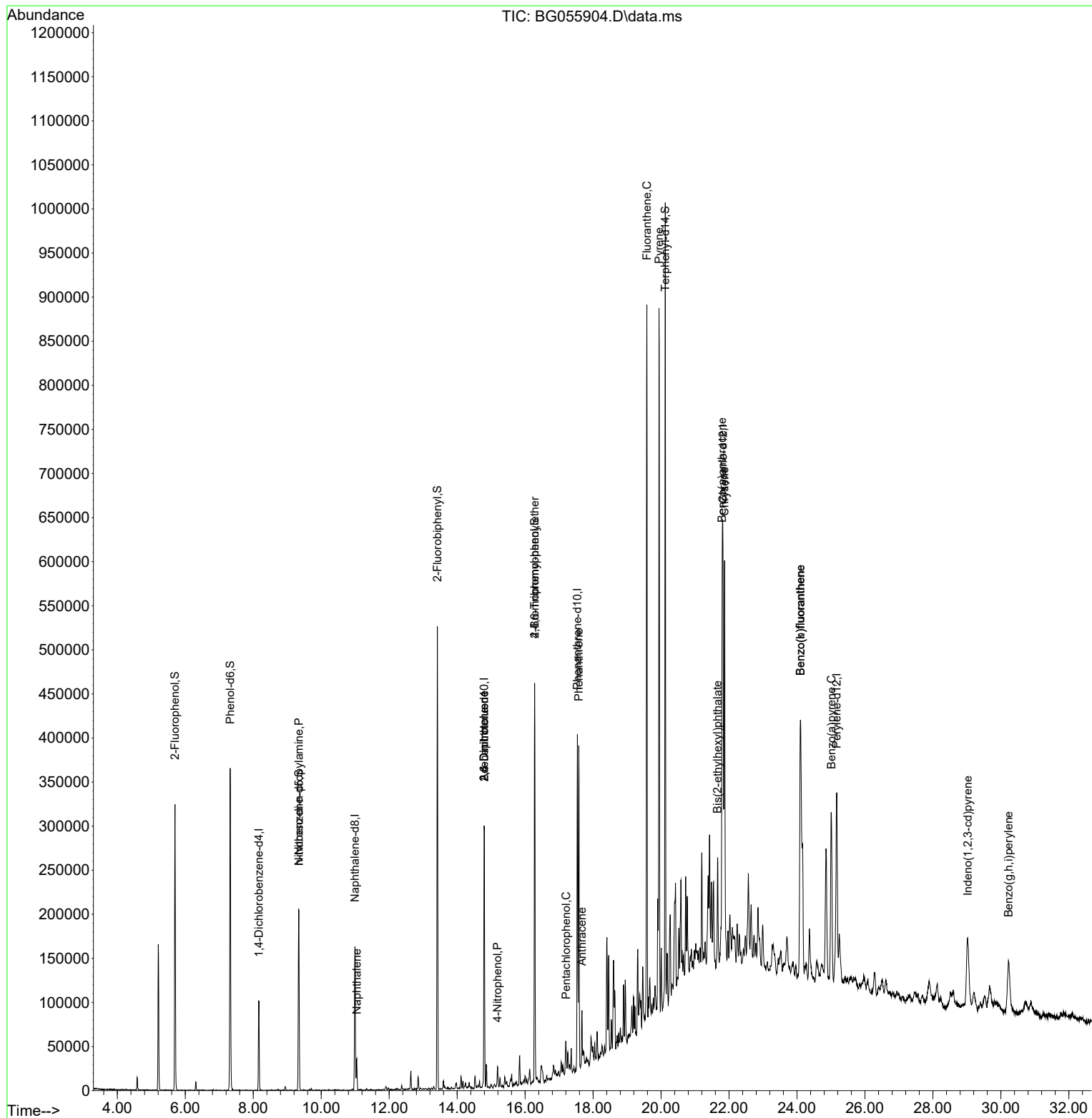
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	29406	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	136469	20.000	ng	0.00
39) Acenaphthene-d10	14.794	164	108424	20.000	ng	0.00
64) Phenanthrene-d10	17.538	188	245290	20.000	ng	0.00
76) Chrysene-d12	21.821	240	223814	20.000	ng	0.00
86) Perylene-d12	25.170	264	241487	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	133765	82.222	ng	0.00
7) Phenol-d6	7.321	99	195217	90.143	ng	0.00
23) Nitrobenzene-d5	9.342	82	121619	47.103	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	90703	59.409	ng	0.00
45) 2-Fluorobiphenyl	13.419	172	269136	37.187	ng	0.00
79) Terphenyl-d14	20.123	244	426965	38.156	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.342	70	16819	10.108	ng	# 81
31) Naphthalene	11.046	128	29310	3.973	ng	98
51) 2,6-Dinitrotoluene	14.794	165	14481	8.194	ng	# 26
56) 4-Nitrophenol	15.188	139	3991	2.621	ng	# 8
57) 2,4-Dinitrotoluene	14.794	165	14481	5.812	ng	# 24
67) 4-Bromophenyl-phenylether	16.281	248	6033	2.159	ng	# 1
70) Pentachlorophenol	17.203	266	7027	3.707	ng	97
71) Phenanthrene	17.579	178	219354	16.571	ng	99
72) Anthracene	17.673	178	43281	3.365	ng	99
75) Fluoranthene	19.583	202	511236	31.747	ng	100
78) Pyrene	19.941	202	502064	33.141	ng	98
81) Benzo(a)anthracene	21.798	228	286620	18.593	ng	99
83) Chrysene	21.868	228	342431	23.334	ng	100
84) Bis(2-ethylhexyl)phtha...	21.663	149	43178	5.066	ng	99
87) Indeno(1,2,3-cd)pyrene	29.024	276	140534	7.104	ng	# 97
88) Benzo(b)fluoranthene	24.101	252	398337	25.328	ng	98
89) Benzo(k)fluoranthene	24.101	252	398337	25.409	ng	97
90) Benzo(a)pyrene	25.012	252	229547	17.009	ng	98
92) Benzo(g,h,i)perylene	30.229	276	131350	8.061	ng	100

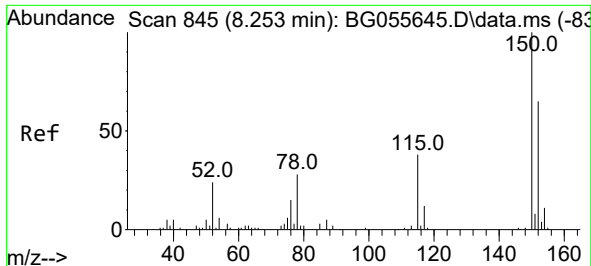
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 07 05:04:10 2022
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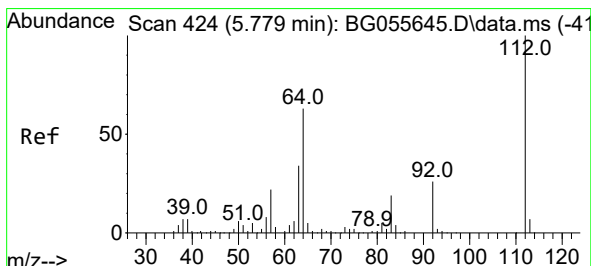
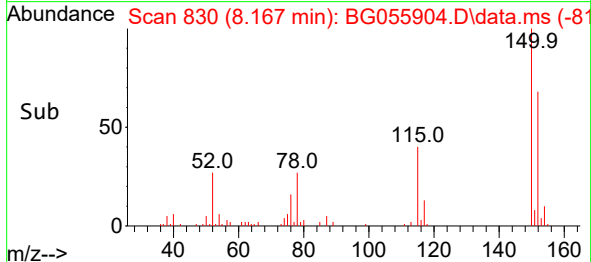
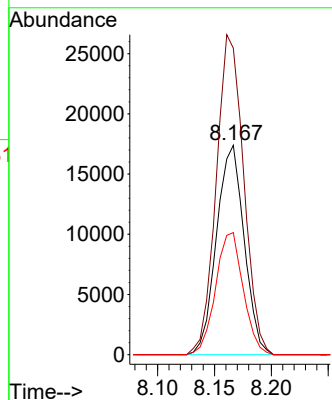
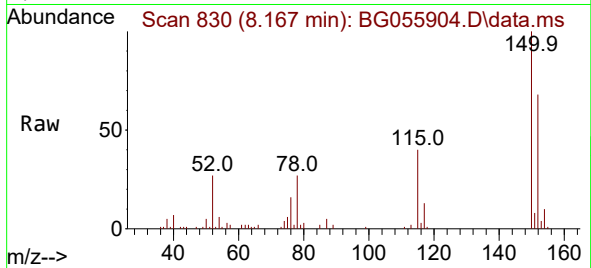




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

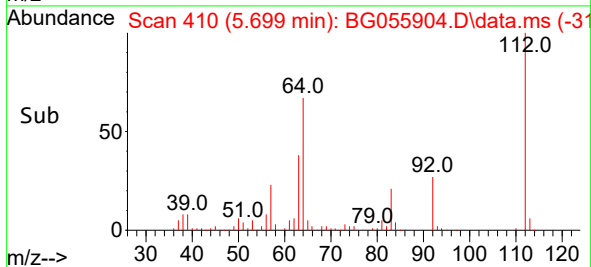
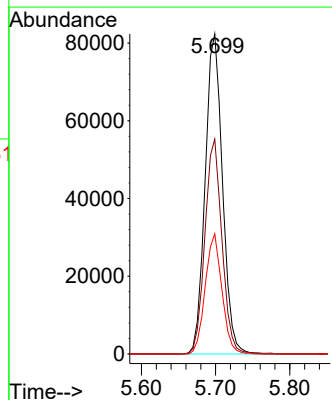
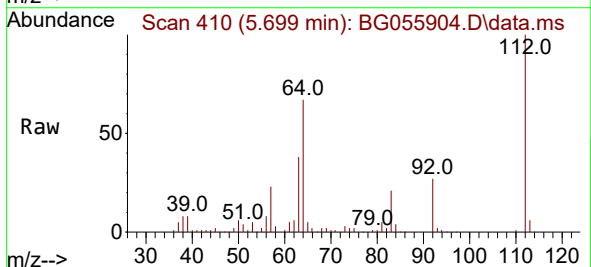
Instrument :
BNA_G
ClientSampleId :
VNJ-202

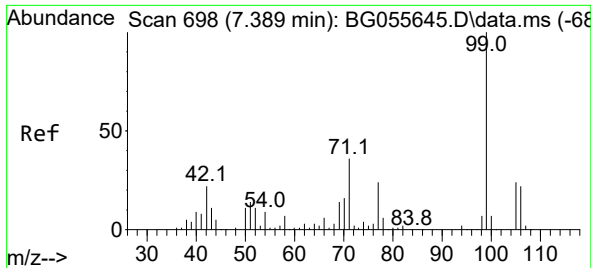
Tgt Ion:152 Resp: 29406
Ion Ratio Lower Upper
152 100
150 146.3 123.0 184.6
115 58.3 47.0 70.4



#5
2-Fluorophenol
Concen: 82.222 ng
RT: 5.699 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:112 Resp: 133765
Ion Ratio Lower Upper
112 100
64 67.1 50.6 76.0
63 37.6 27.5 41.3

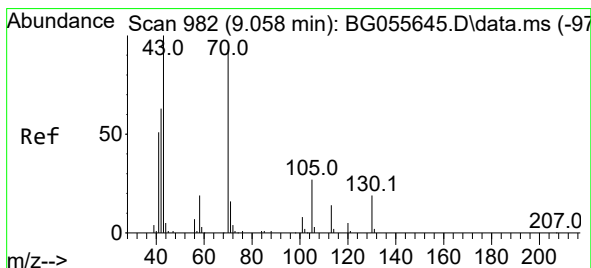
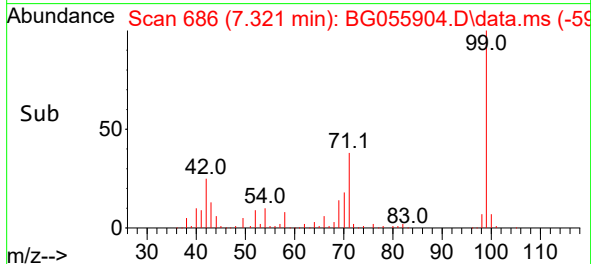
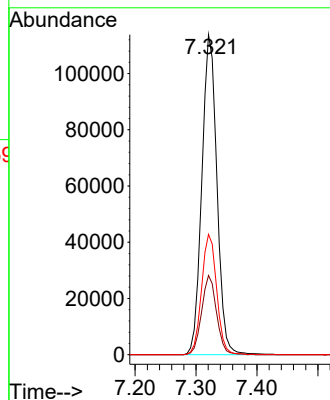
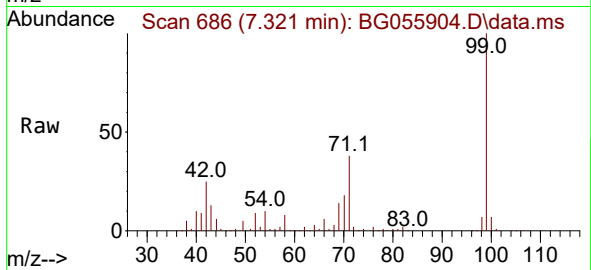




#7
Phenol-d6
Concen: 90.143 ng
RT: 7.321 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

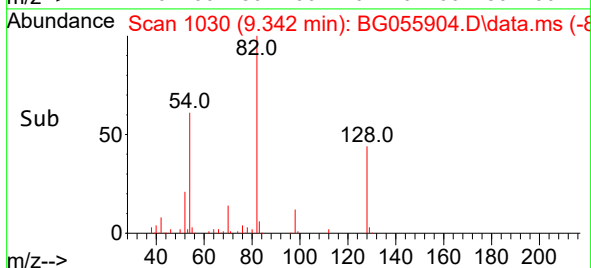
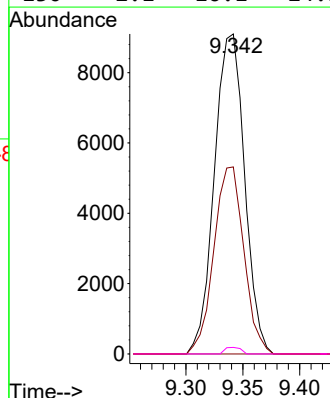
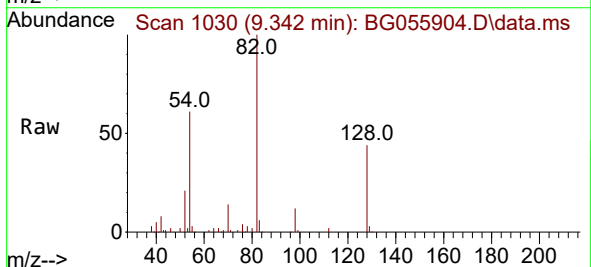
Instrument :
BNA_G
ClientSampleId :
VNJ-202

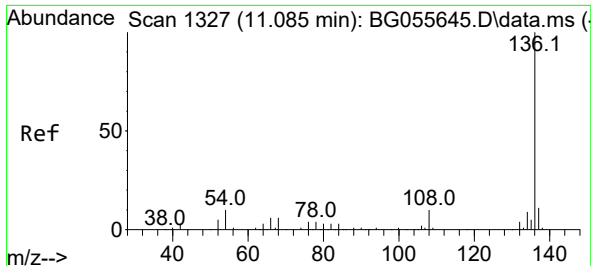
Tgt Ion: 99 Resp: 195217
Ion Ratio Lower Upper
99 100
42 24.7 18.0 27.0
71 37.6 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.108 ng
RT: 9.342 min Scan# 1030
Delta R.T. 0.369 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion: 70 Resp: 16819
Ion Ratio Lower Upper
70 100
42 58.4 55.2 82.8
101 0.0 7.1 10.7#
130 2.1 16.1 24.1#

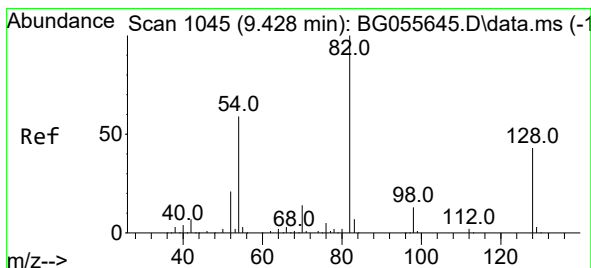
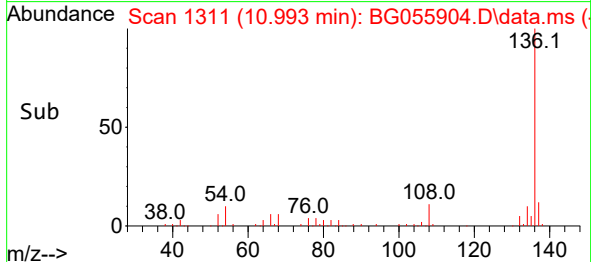
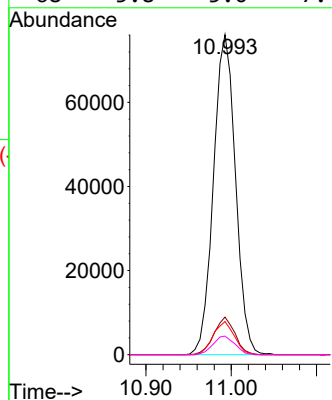
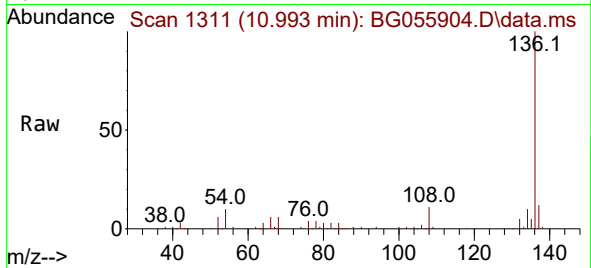




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

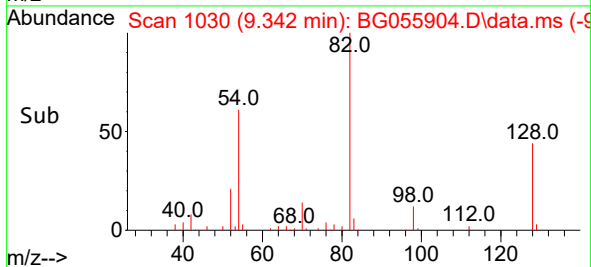
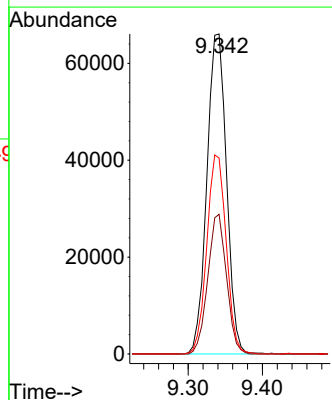
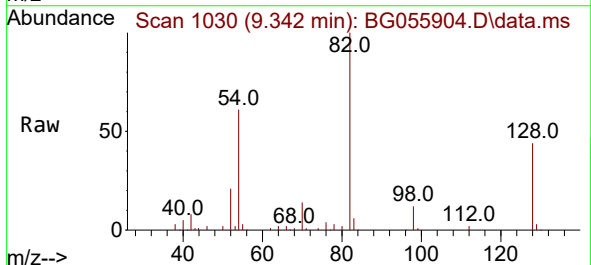
Instrument :
BNA_G
ClientSampleId :
VNJ-202

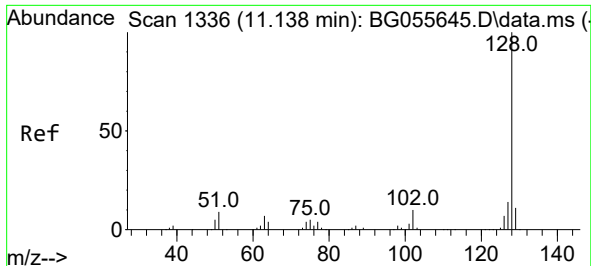
Tgt Ion:136 Resp: 136469
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.4 7.8 11.6
68 5.8 5.0 7.4



#23
Nitrobenzene-d5
Concen: 47.103 ng
RT: 9.342 min Scan# 1030
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion: 82 Resp: 121619
Ion Ratio Lower Upper
82 100
128 43.6 34.1 51.1
54 61.2 47.3 70.9

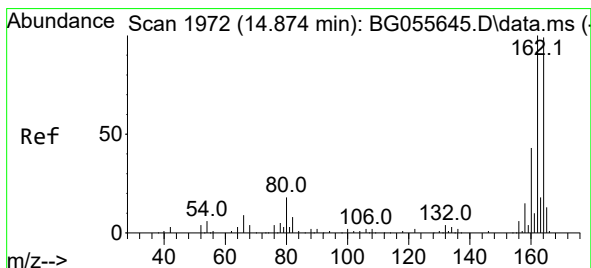
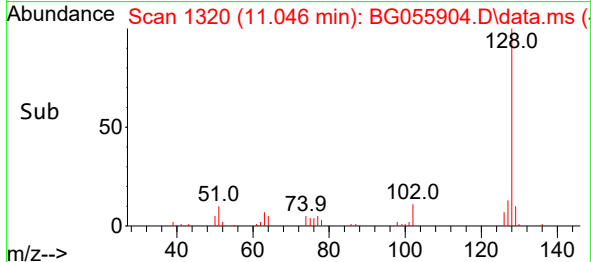
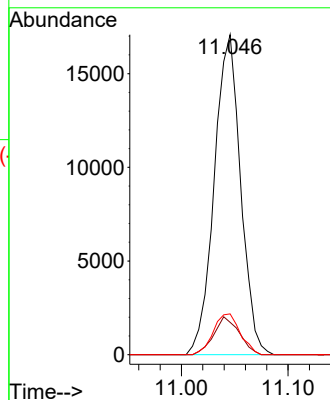
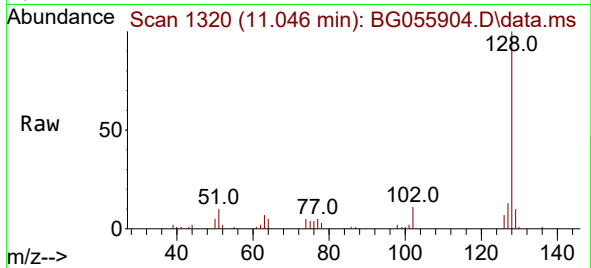




#31
Naphthalene
Concen: 3.973 ng
RT: 11.046 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

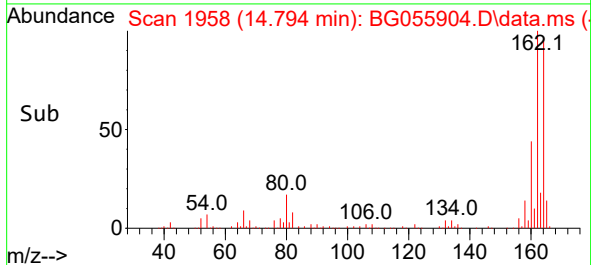
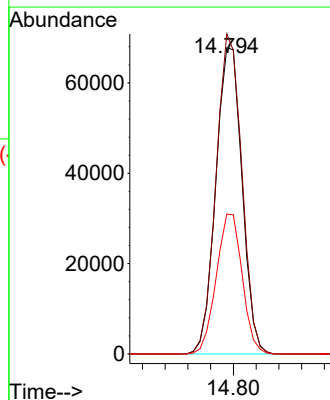
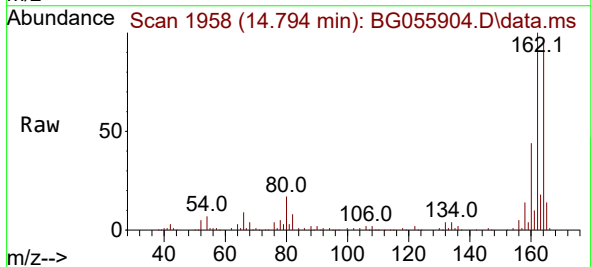
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BNA_G
ClientSampleId :
VNJ-202

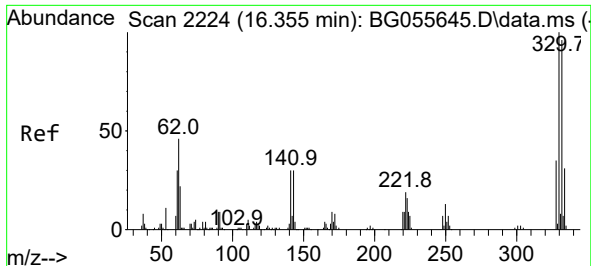
Tgt Ion:128 Resp: 29310
Ion Ratio Lower Upper
128 100
129 10.1 8.7 13.1
127 12.7 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.794 min Scan# 1958
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:164 Resp: 108424
Ion Ratio Lower Upper
164 100
162 104.5 81.1 121.7
160 45.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 59.409 ng

RT: 16.281 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

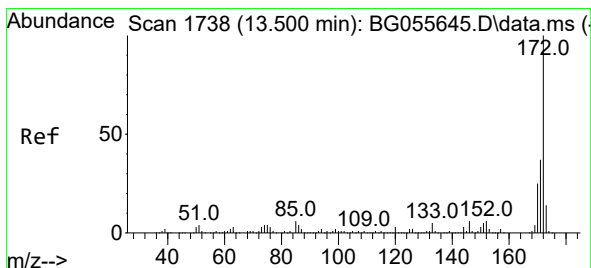
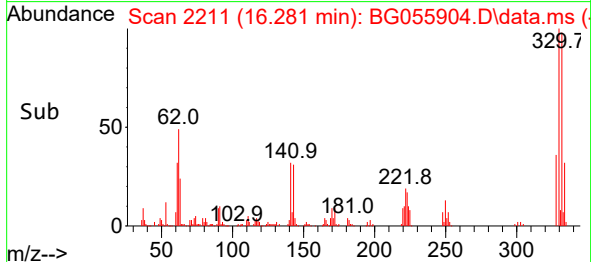
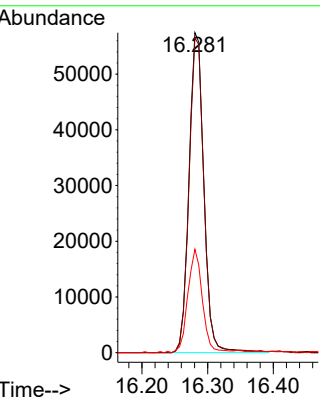
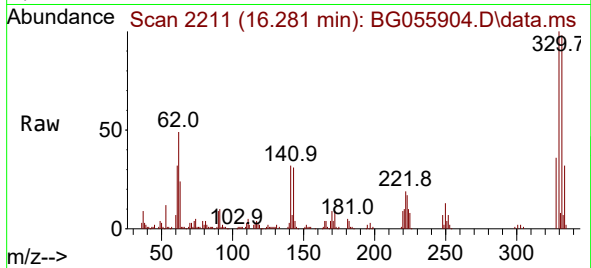
Tgt Ion:330 Resp: 90703

Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.8

141 31.6 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 37.187 ng

RT: 13.419 min Scan# 1724

Delta R.T. -0.001 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

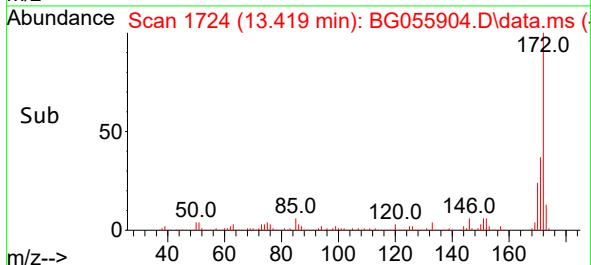
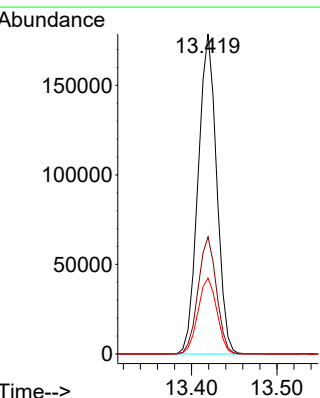
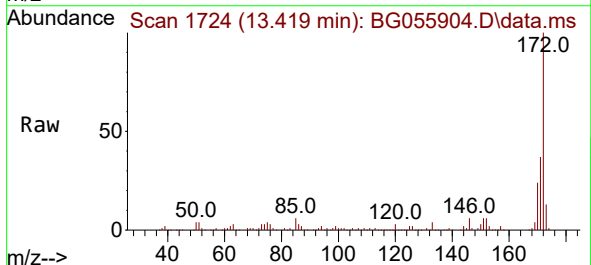
Tgt Ion:172 Resp: 269136

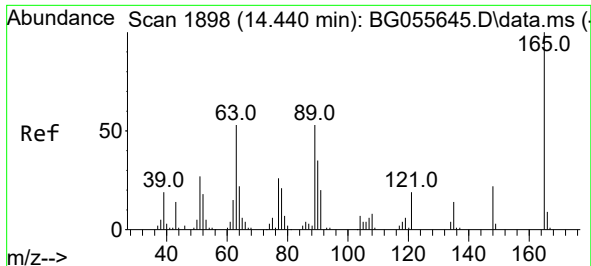
Ion Ratio Lower Upper

172 100

171 36.6 29.8 44.6

170 23.7 20.2 30.4

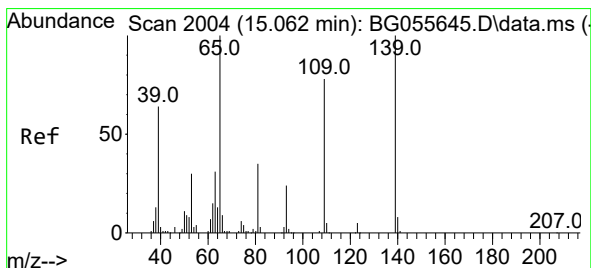
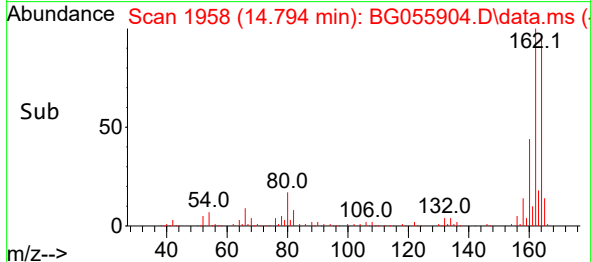
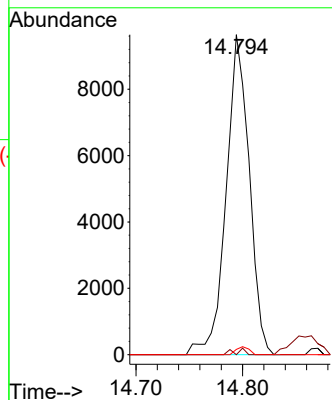
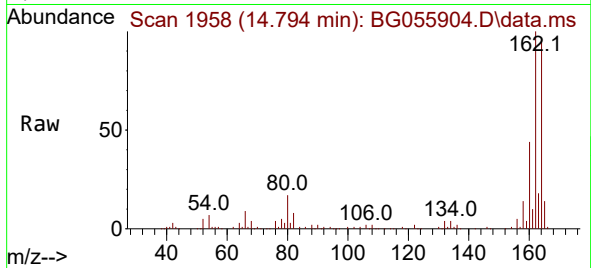




#51
2,6-Dinitrotoluene
Concen: 8.194 ng
RT: 14.794 min Scan# 14
Delta R.T. 0.422 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

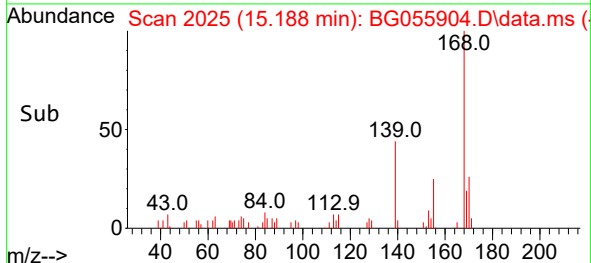
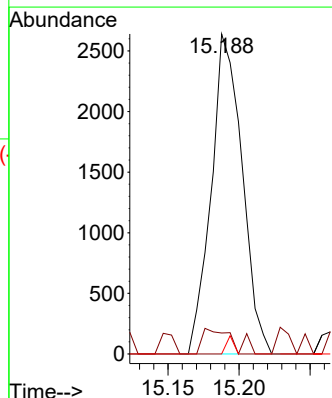
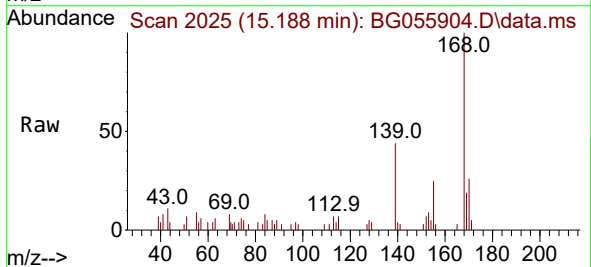
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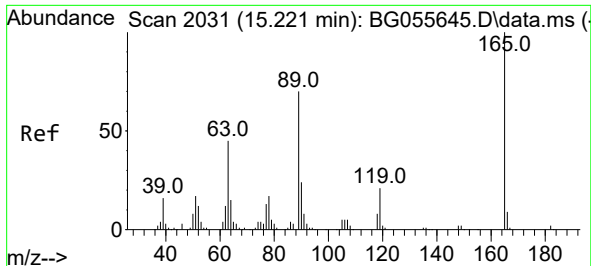
Tgt Ion:165 Resp: 14481
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.6 42.2 63.4#



#56
4-Nitrophenol
Concen: 2.621 ng
RT: 15.188 min Scan# 2025
Delta R.T. 0.157 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:139 Resp: 3991
Ion Ratio Lower Upper
139 100
109 6.6 58.6 98.6#
65 0.0 80.5 120.5#





#57

2,4-Dinitrotoluene

Concen: 5.812 ng

RT: 14.794 min Scan# 14

Delta R.T. -0.372 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:165 Resp: 14481

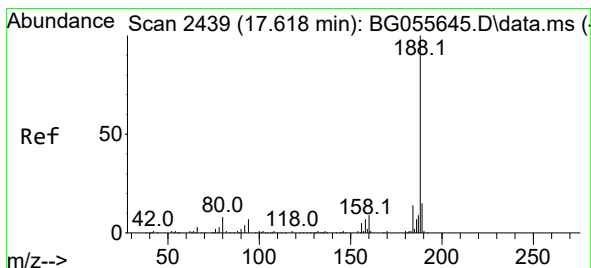
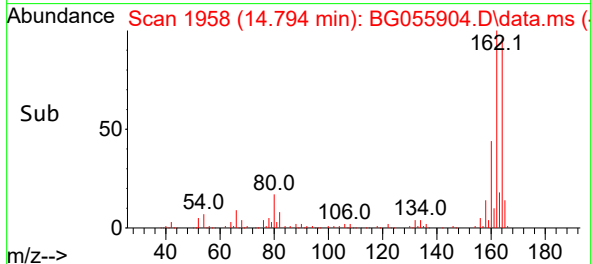
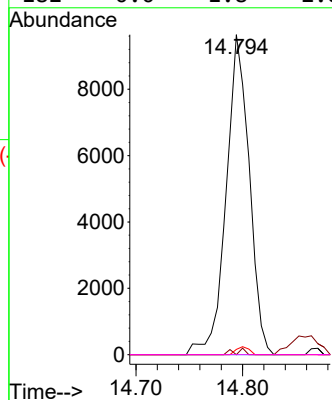
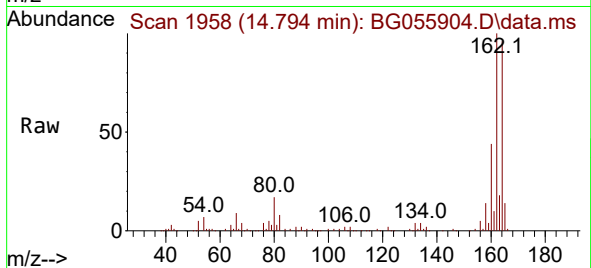
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 1.6 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.538 min Scan# 2425

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

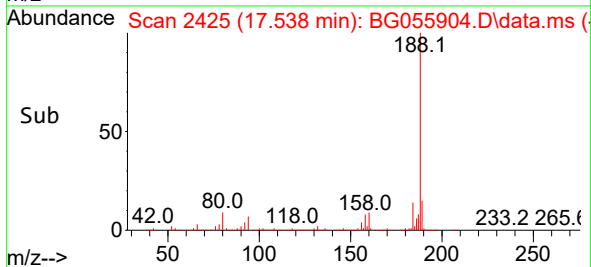
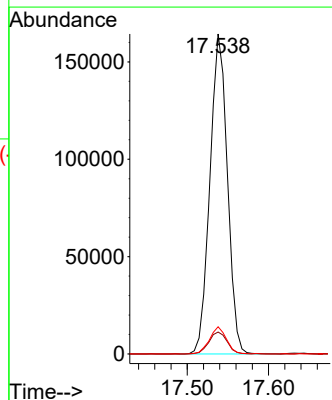
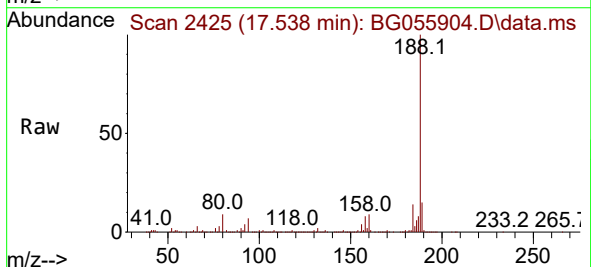
Tgt Ion:188 Resp: 245290

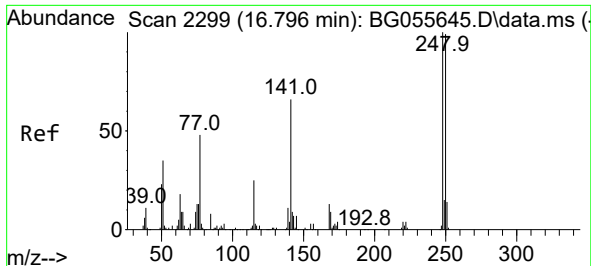
Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 8.5 6.6 10.0

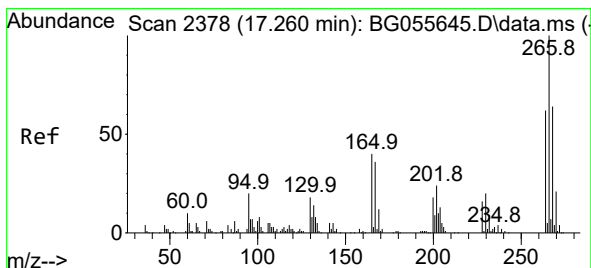
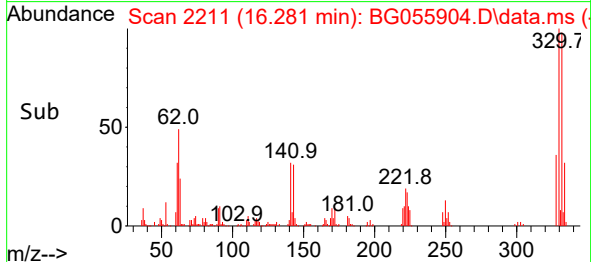
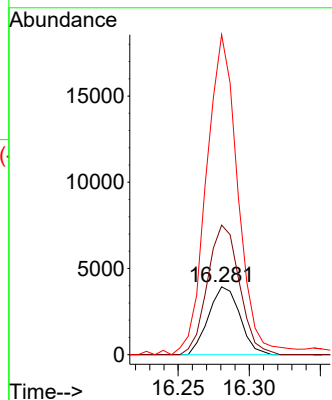
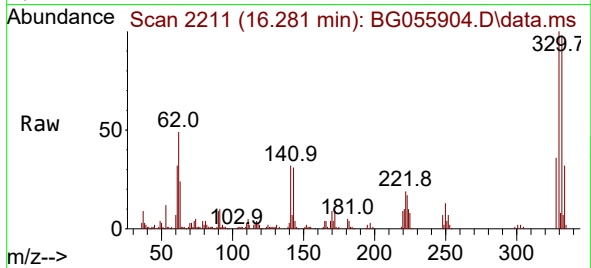




#67
4-Bromophenyl-phenylether
Concen: 2.159 ng
RT: 16.281 min Scan# 211
Delta R.T. -0.442 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

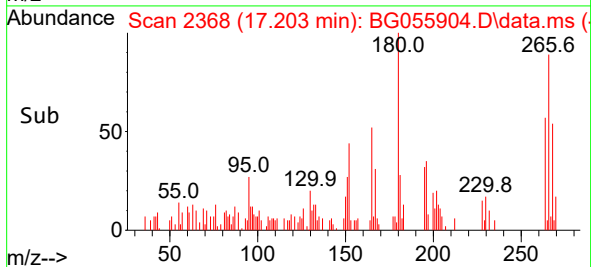
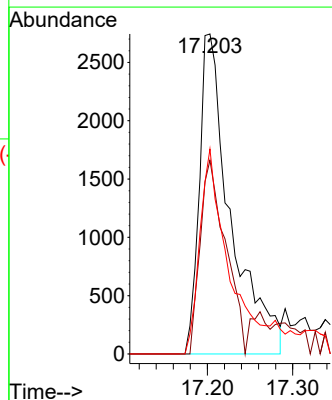
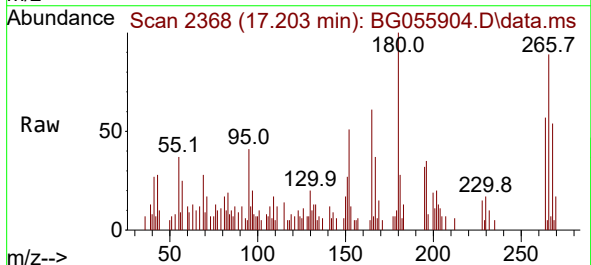
Instrument :
BNA_G
ClientSampleId :
VNJ-202

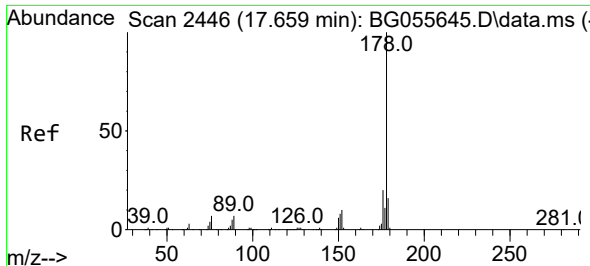
Tgt Ion:248 Resp: 6033
Ion Ratio Lower Upper
248 100
250 191.3 79.0 118.4#
141 472.1 52.9 79.3#



#70
Pentachlorophenol
Concen: 3.707 ng
RT: 17.203 min Scan# 2368
Delta R.T. 0.004 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:266 Resp: 7027
Ion Ratio Lower Upper
266 100
268 66.4 51.2 76.8
264 64.1 49.5 74.3

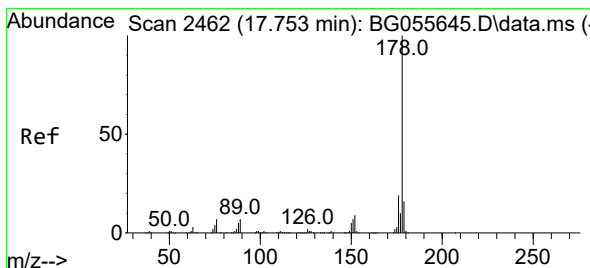
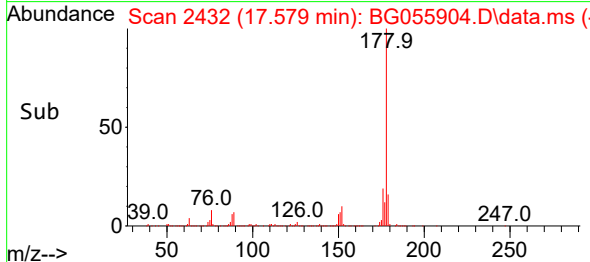
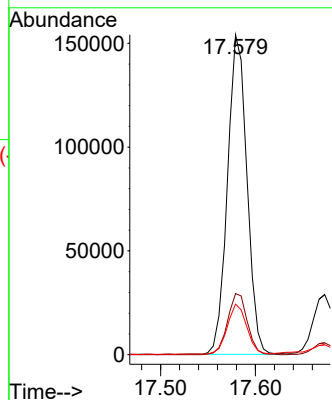
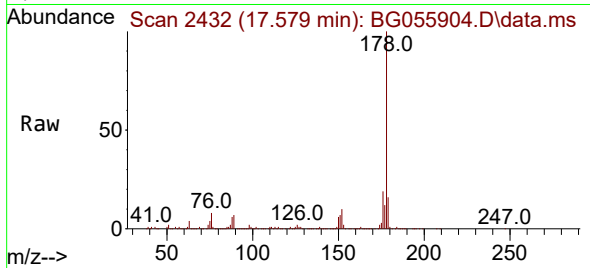




#71
Phenanthrene
Concen: 16.571 ng
RT: 17.579 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

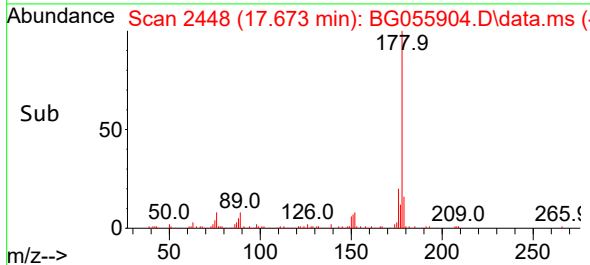
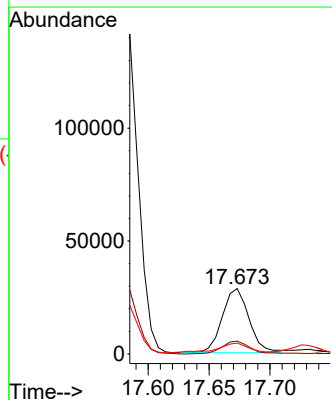
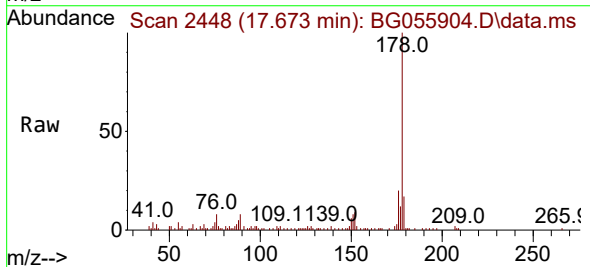
Instrument :
BNA_G
ClientSampleId :
VNJ-202

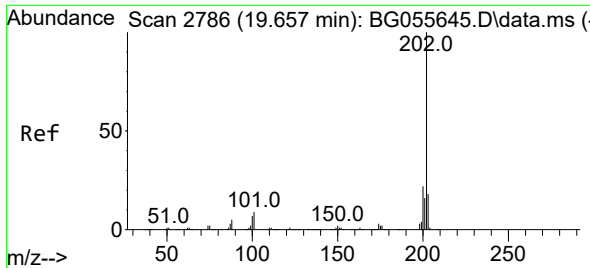
Tgt Ion:178 Resp: 219354
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.8 12.7 19.1



#72
Anthracene
Concen: 3.365 ng
RT: 17.673 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:178 Resp: 43281
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.6 12.5 18.7

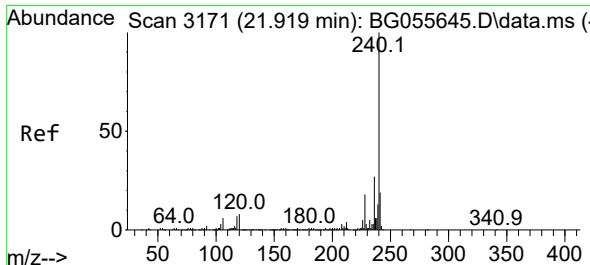
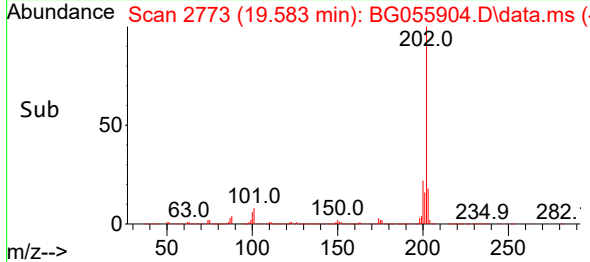
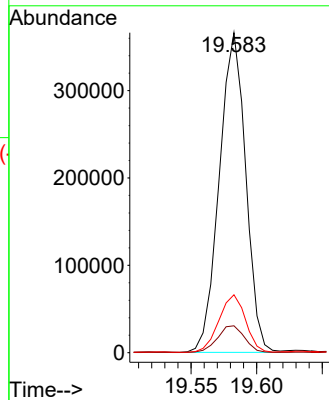
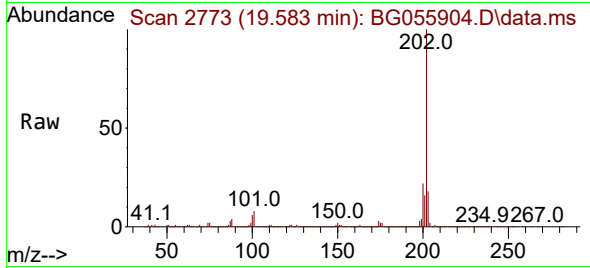




#75
Fluoranthene
Concen: 31.747 ng
RT: 19.583 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

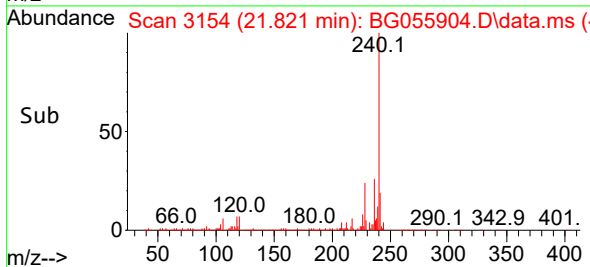
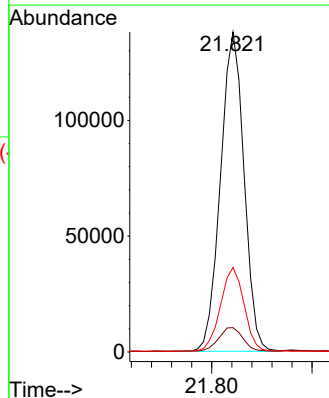
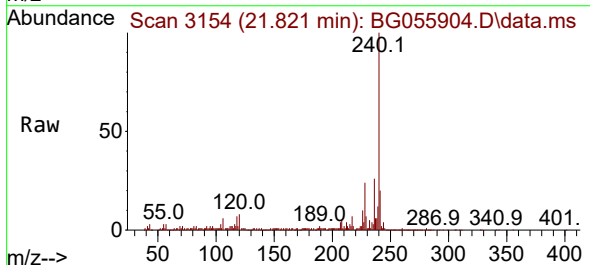
Instrument :
BNA_G
ClientSampleId :
VNJ-202

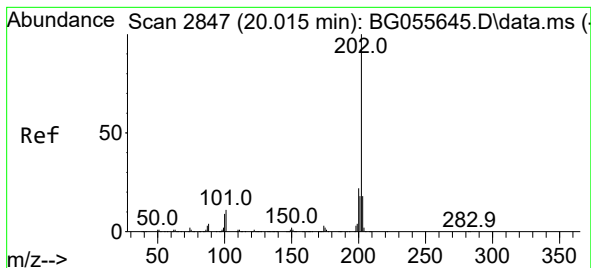
Tgt Ion:202 Resp: 511236
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.8
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:240 Resp: 223814
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 26.4 21.9 32.9





#78

Pyrene

Concen: 33.141 ng

RT: 19.941 min Scan# 2

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

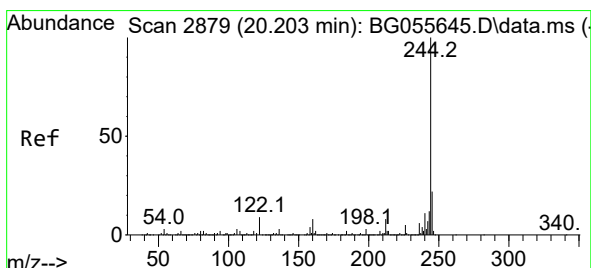
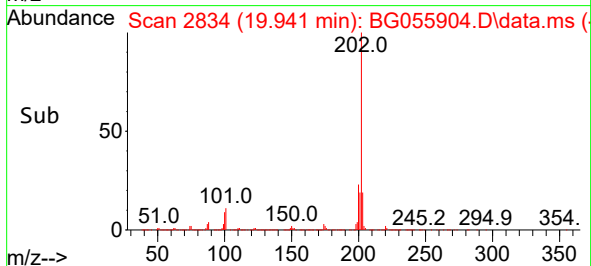
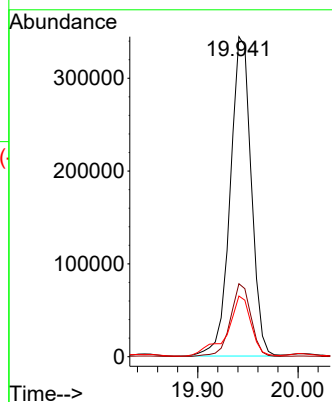
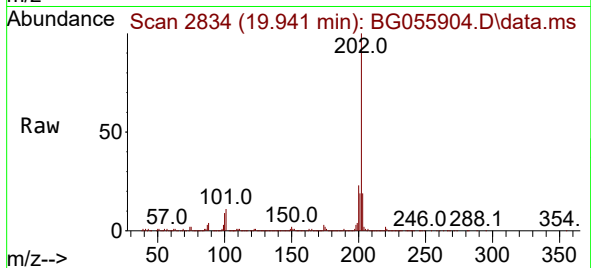
Tgt Ion:202 Resp: 502064

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.6

203 19.0 14.4 21.6



#79

Terphenyl-d14

Concen: 38.156 ng

RT: 20.123 min Scan# 2865

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

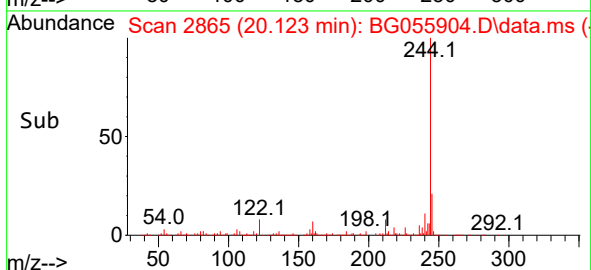
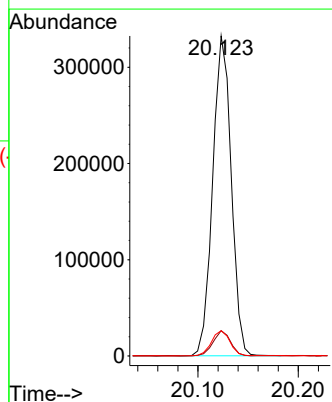
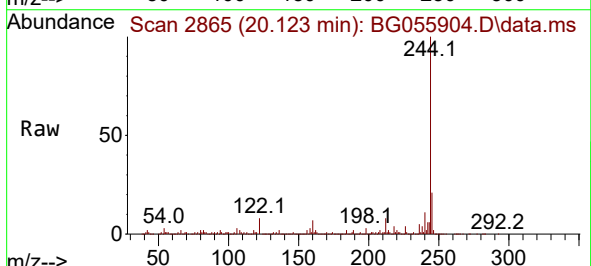
Tgt Ion:244 Resp: 426965

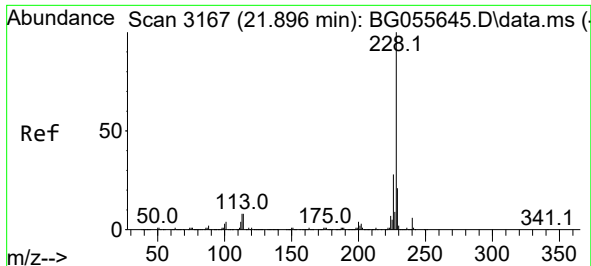
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 7.9 6.9 10.3

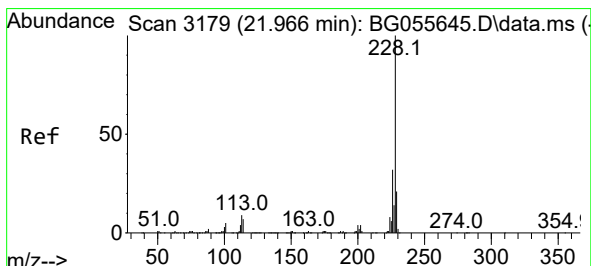
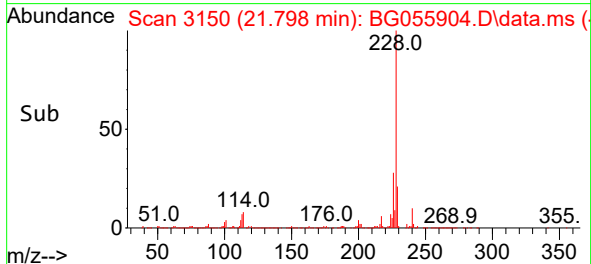
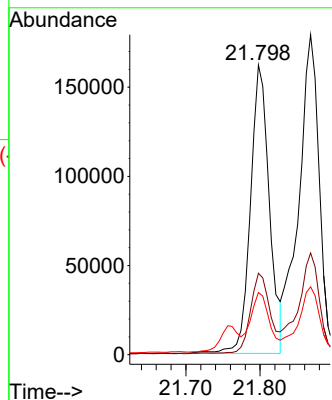
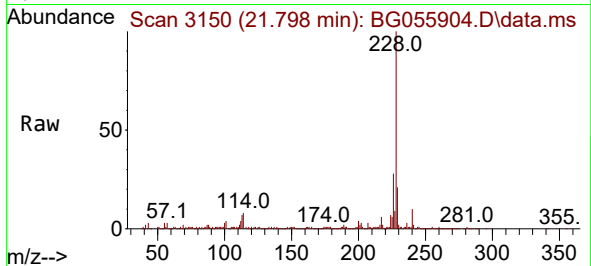




#81
Benzo(a)anthracene
Concen: 18.593 ng
RT: 21.798 min Scan# 3162
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

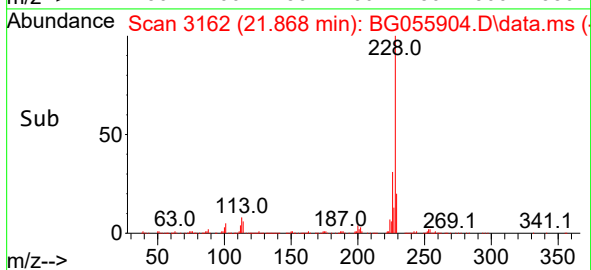
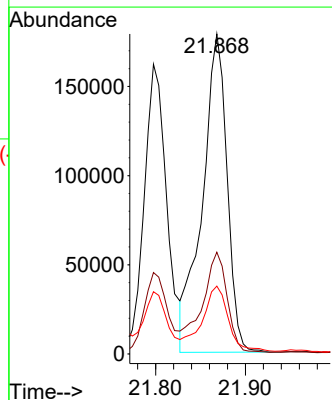
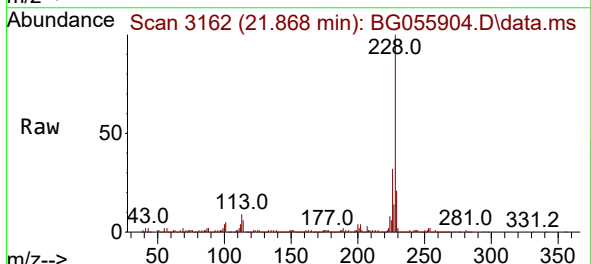
Instrument :
BNA_G
ClientSampleId :
VNJ-202

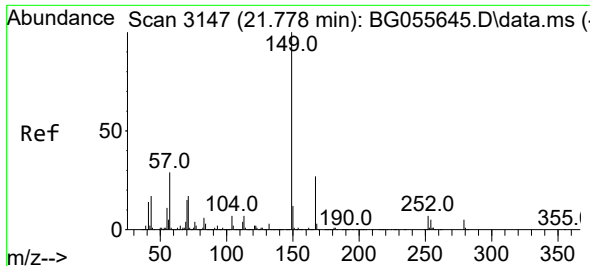
Tgt Ion:228 Resp: 286620
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 21.5 16.5 24.7



#83
Chrysene
Concen: 23.334 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:228 Resp: 342431
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 21.2 17.1 25.7

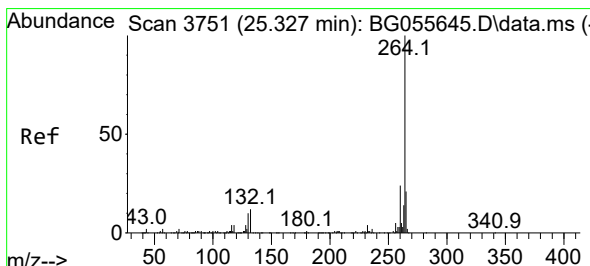
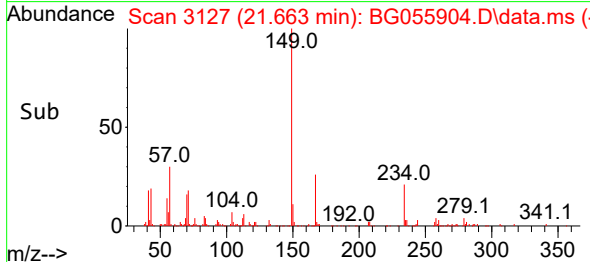
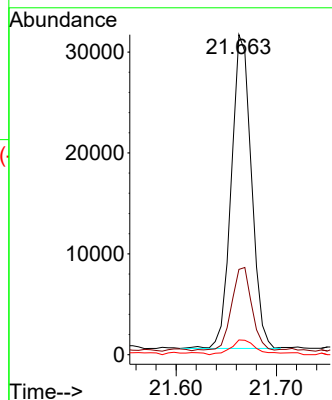
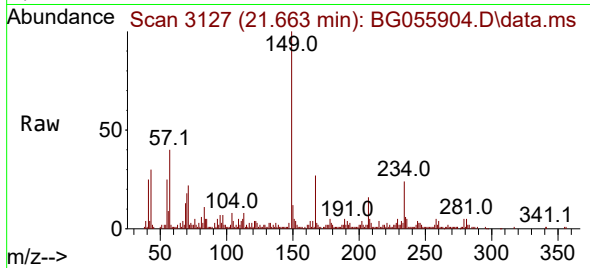




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.066 ng
 RT: 21.663 min Scan# 3147
 Delta R.T. -0.007 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

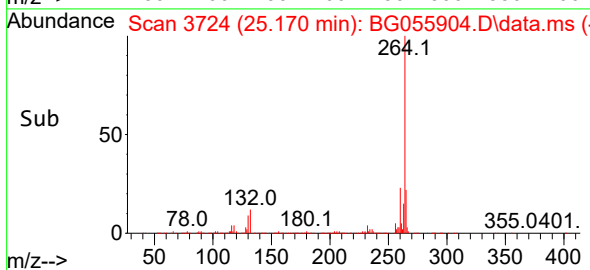
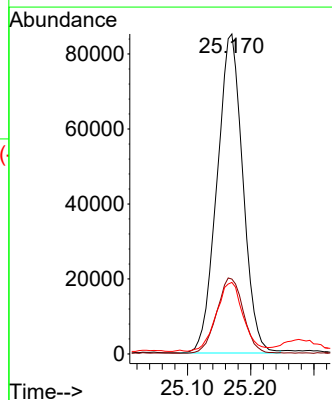
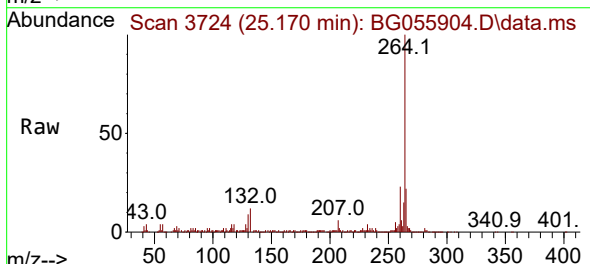
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

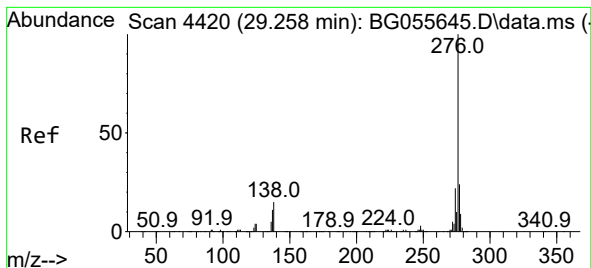
Tgt Ion:149 Resp: 43178
 Ion Ratio Lower Upper
 149 100
 167 26.7 22.0 33.0
 279 4.6 3.7 5.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.170 min Scan# 3724
 Delta R.T. -0.007 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

Tgt Ion:264 Resp: 241487
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.104 ng

RT: 29.024 min Scan# 41

Delta R.T. -0.019 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

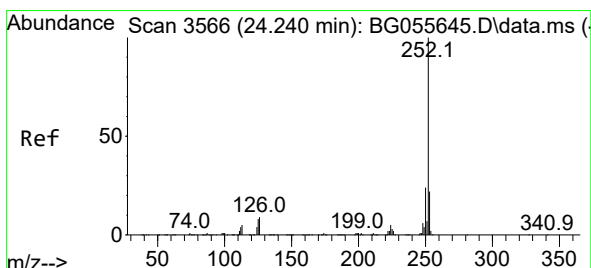
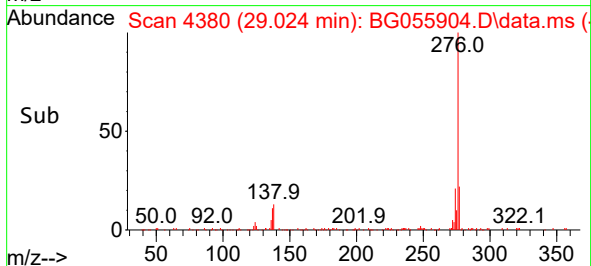
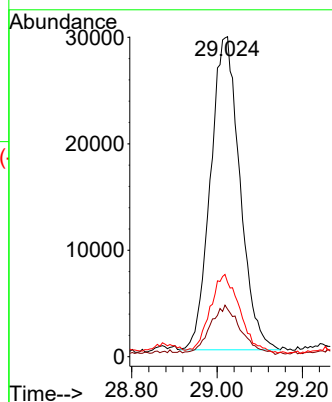
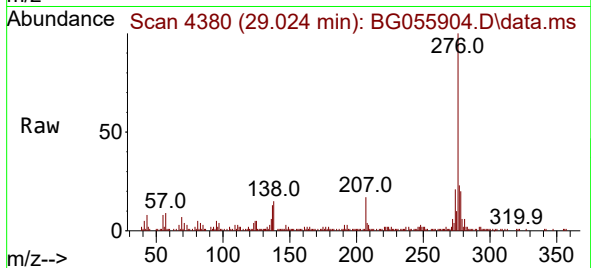
Tgt Ion:276 Resp: 140534

Ion Ratio Lower Upper

276 100

138 16.4 10.4 15.6#

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 25.328 ng

RT: 24.101 min Scan# 3542

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

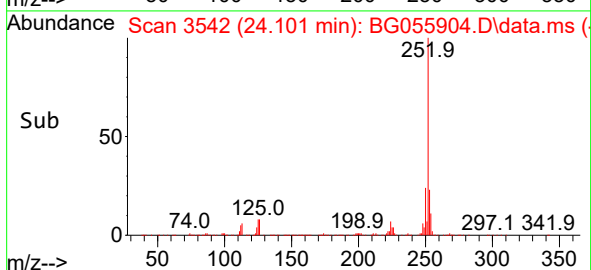
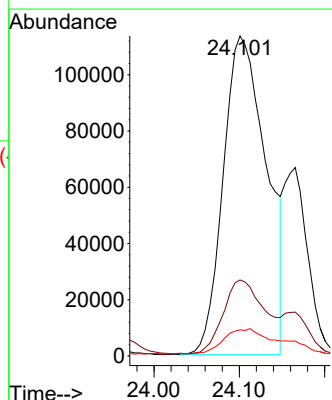
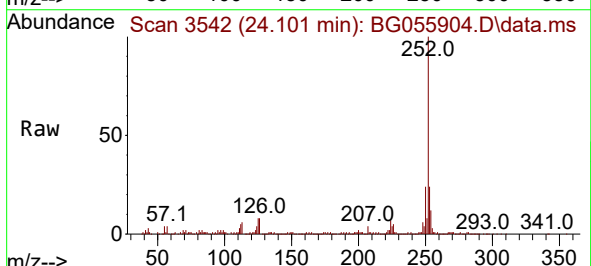
Tgt Ion:252 Resp: 398337

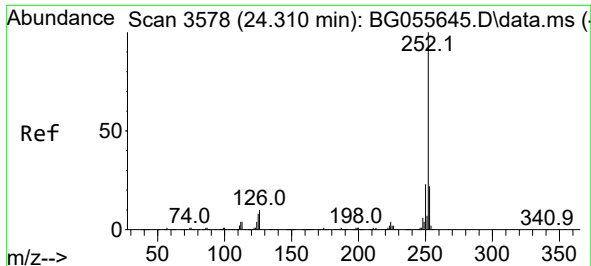
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 8.2 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 25.409 ng

RT: 24.101 min Scan# 3

Delta R.T. -0.078 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

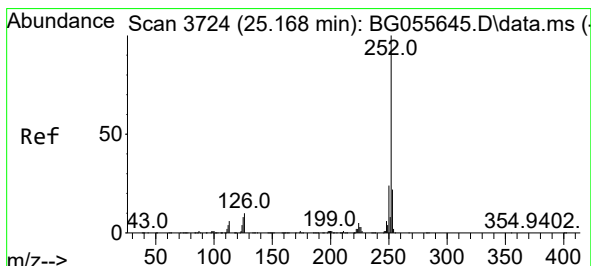
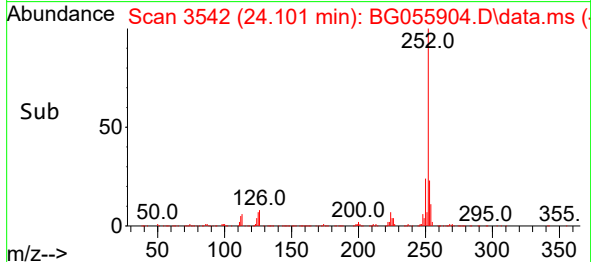
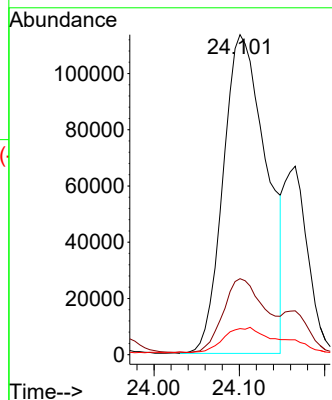
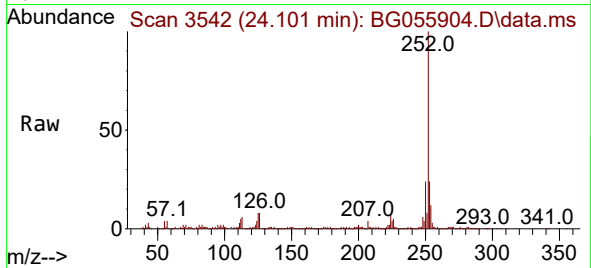
Tgt Ion:252 Resp: 398337

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 8.2 6.1 9.1



#90

Benzo(a)pyrene

Concen: 17.009 ng

RT: 25.012 min Scan# 3697

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

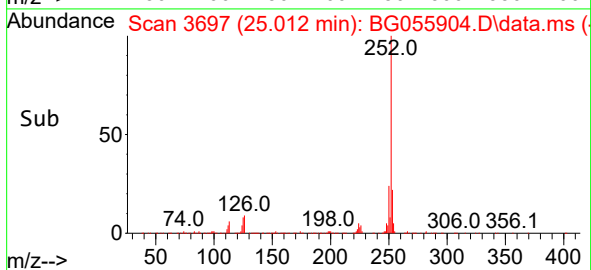
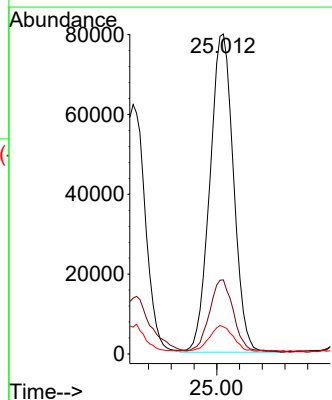
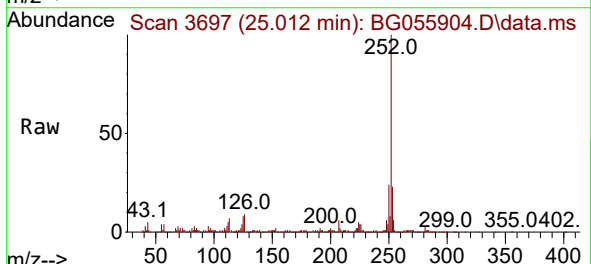
Tgt Ion:252 Resp: 229547

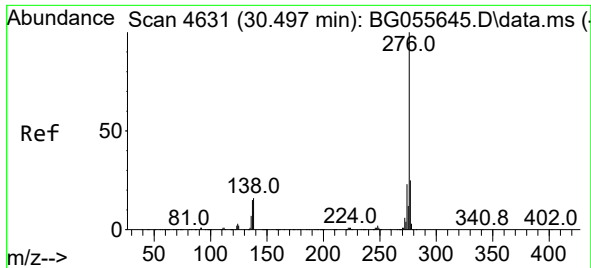
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

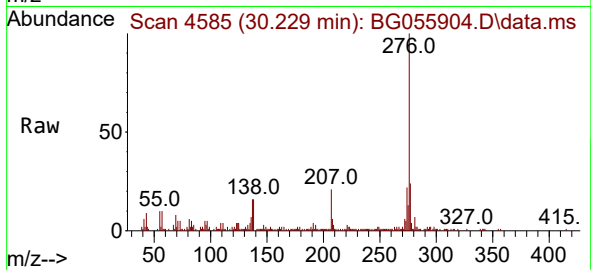
125 8.5 6.4 9.6





#92
Benzo(g,h,i)perylene
Concen: 8.061 ng
RT: 30.229 min Scan# 4
Delta R.T. -0.025 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Instrument :
BNA_G
ClientSampleId :
VNJ-202



Tgt Ion:276 Resp: 131350
Ion Ratio Lower Upper
276 100
277 24.4 19.8 29.6
138 16.4 13.1 19.7

