

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056539.D
 Acq On : 3 Feb 2023 15:09
 Operator : CG/JU
 Sample : 01410-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-225

Quant Time: Feb 04 05:12:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

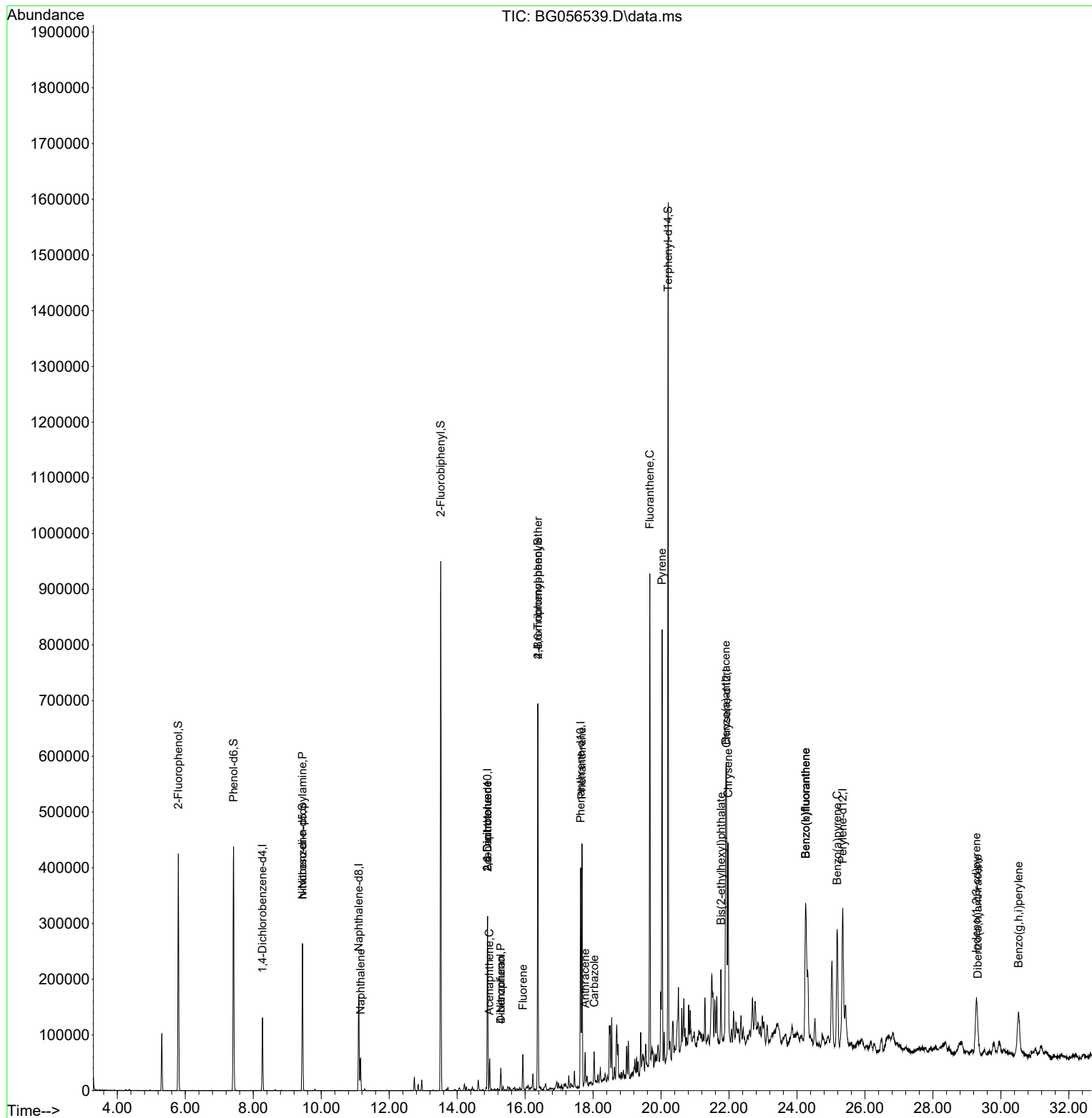
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	43263	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	163467	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	119266	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	275349	20.000	ng	0.00
76) Chrysene-d12	21.927	240	254875	20.000	ng	0.00
86) Perylene-d12	25.346	264	280558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	245937	104.574	ng	0.00
7) Phenol-d6	7.420	99	344578	98.887	ng	0.00
23) Nitrobenzene-d5	9.447	82	183837	63.861	ng	0.00
42) 2,4,6-Tribromophenol	16.374	330	145619	91.840	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	540944	62.883	ng	0.00
79) Terphenyl-d14	20.211	244	825263	56.870	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.402	77	714	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.447	70	22199	11.055	ng	# 69
31) Naphthalene	11.157	128	55534	6.437	ng	98
51) 2,6-Dinitrotoluene	14.894	165	16199	7.698	ng	# 36
52) Acenaphthene	14.952	154	22615	3.467	ng	90
55) Dibenzofuran	15.287	168	26459	2.262	ng	96
56) 4-Nitrophenol	15.287	139	8882	6.372	ng	# 10
57) 2,4-Dinitrotoluene	14.894	165	16199	5.465	ng	# 35
58) Fluorene	15.934	166	32371	3.477	ng	95
67) 4-Bromophenyl-phenylether	16.374	248	11849	3.361	ng	# 1
71) Phenanthrene	17.673	178	306818	21.290	ng	97
72) Anthracene	17.767	178	39494	2.670	ng	97
73) Carbazole	18.031	167	40537	3.217	ng	# 96
75) Fluoranthene	19.670	202	599909	32.982	ng	99
78) Pyrene	20.029	202	530411	29.260	ng	100
81) Benzo(a)anthracene	21.903	228	281481	15.797	ng	99
83) Chrysene	21.974	228	292657	17.482	ng	98
84) Bis(2-ethylhexyl)phtha...	21.762	149	58148	7.326	ng	99
87) Indeno(1,2,3-cd)pyrene	29.283	276	187113	9.111	ng	99
88) Benzo(b)fluoranthene	24.253	252	380513	21.851	ng	99
89) Benzo(k)fluoranthene	24.253	252	380513	21.642	ng	100
90) Benzo(a)pyrene	25.182	252	270148	15.749	ng	100
91) Dibenzo(a,h)anthracene	29.318	278	51419	2.983	ng	92
92) Benzo(g,h,i)perylene	30.517	276	180928	10.877	ng	99

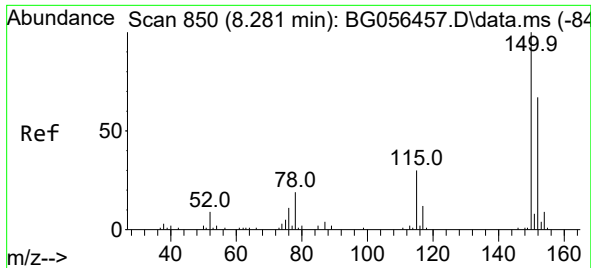
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Time: Feb 04 05:12:04 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
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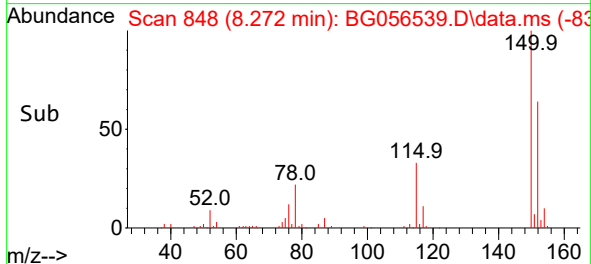
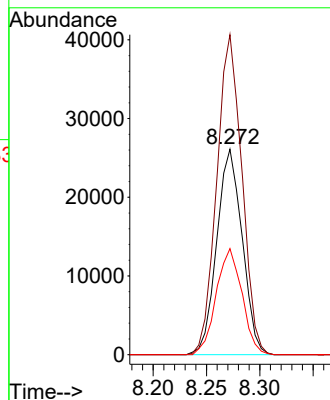
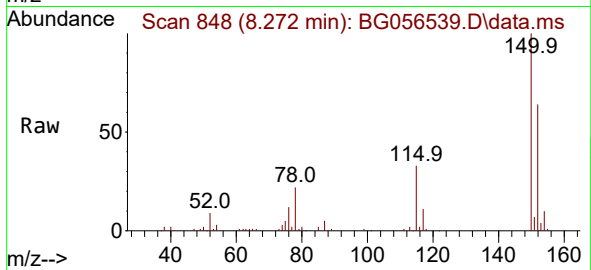




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

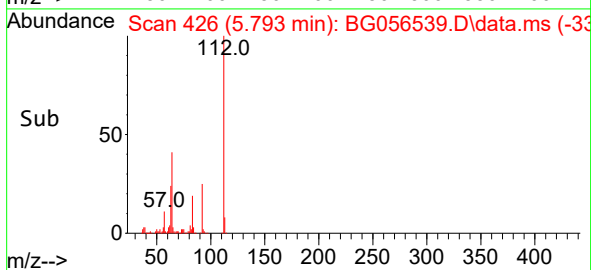
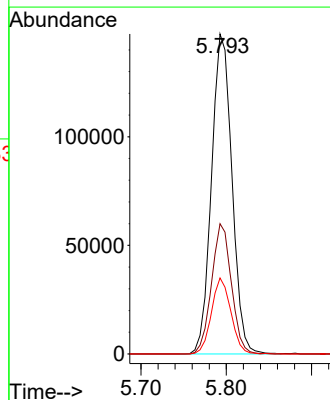
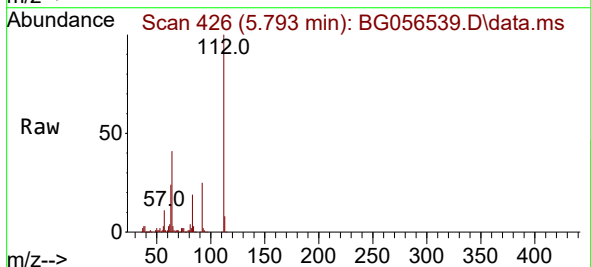
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BNA_G
ClientSampleId :
VNJ-225

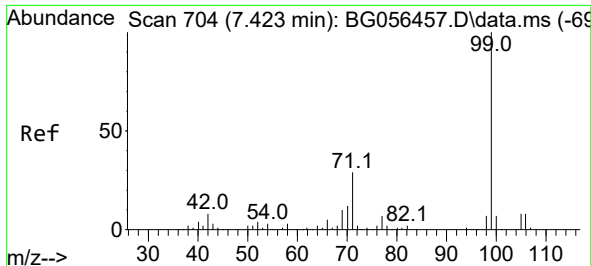
Tgt Ion:152 Resp: 43263
Ion Ratio Lower Upper
152 100
150 155.8 120.2 180.4
115 51.6 36.3 54.5



#5
2-Fluorophenol
Concen: 104.574 ng
RT: 5.793 min Scan# 426
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:112 Resp: 245937
Ion Ratio Lower Upper
112 100
64 40.7 31.9 47.9
63 23.8 17.4 26.0

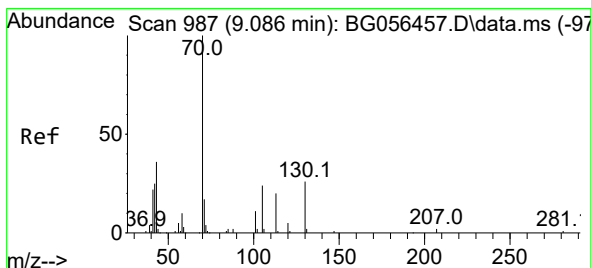
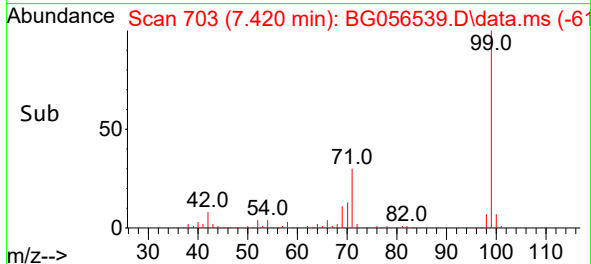
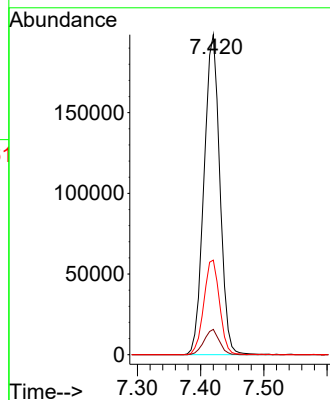
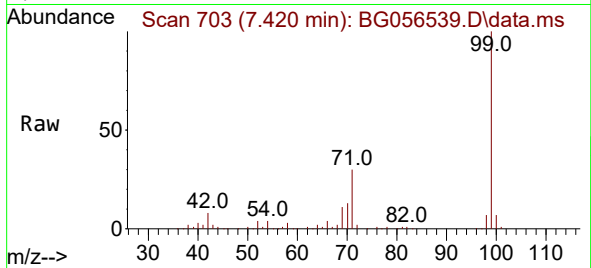




#7
Phenol-d6
Concen: 98.887 ng
RT: 7.420 min Scan# 704
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

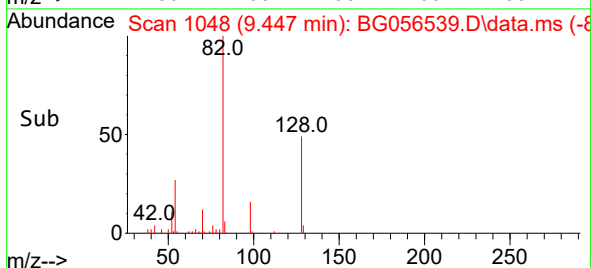
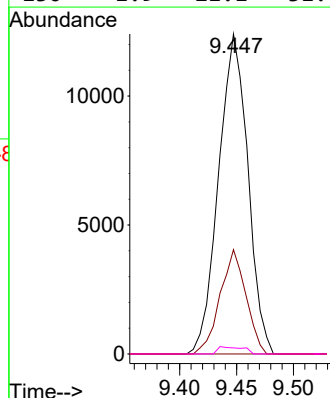
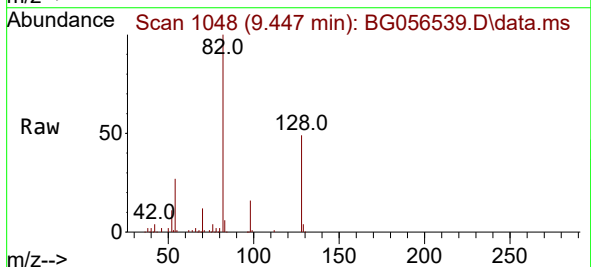
Instrument :
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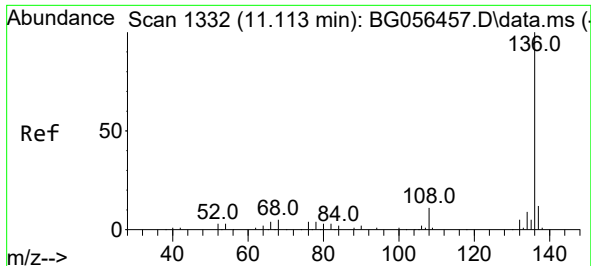
Tgt Ion: 99 Resp: 344578
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 29.5 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.055 ng
RT: 9.447 min Scan# 1048
Delta R.T. 0.367 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion: 70 Resp: 22199
Ion Ratio Lower Upper
70 100
42 32.6 20.2 30.4#
101 0.0 9.1 13.7#
130 1.9 21.1 31.7#

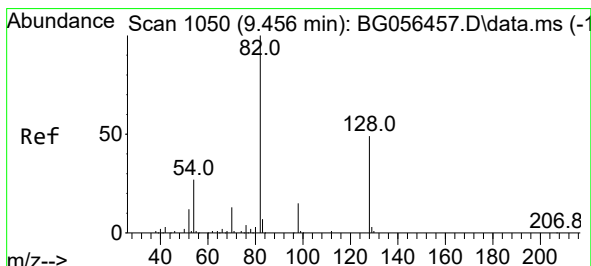
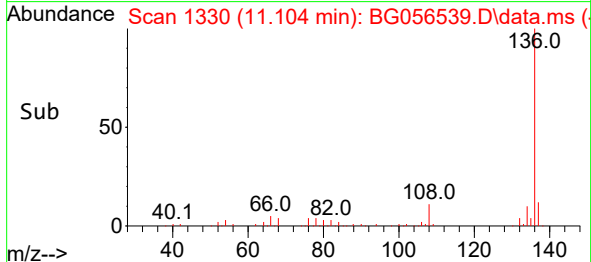
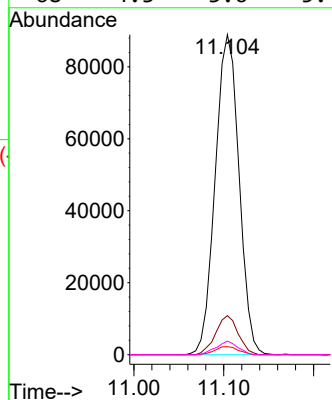
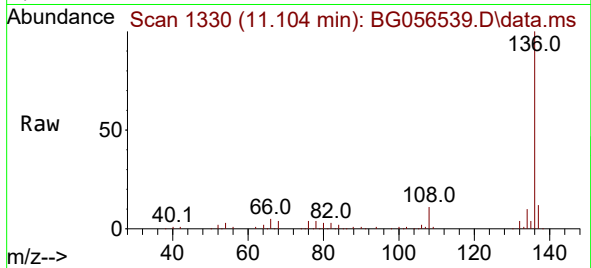




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

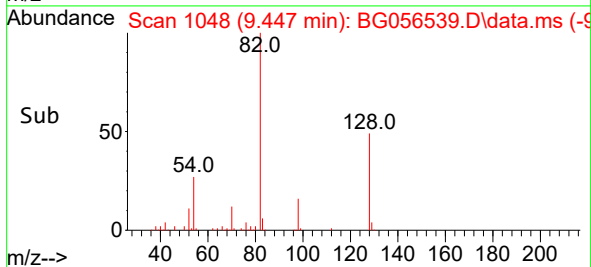
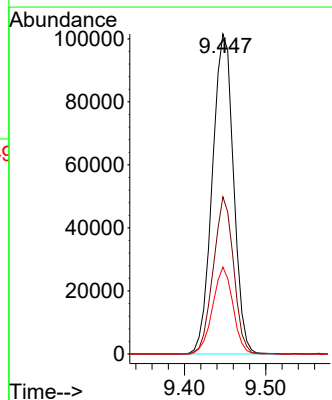
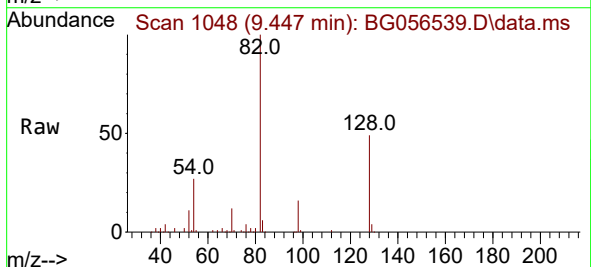
Instrument :
BNA_G
ClientSampleId :
VNJ-225

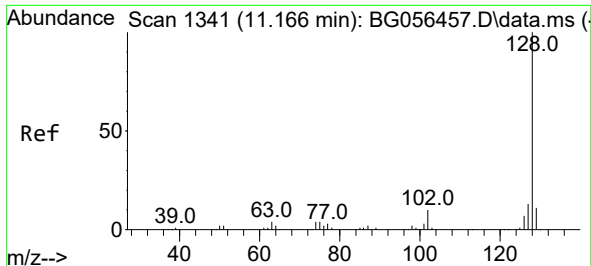
Tgt Ion:	136	Resp:	163467
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.4	14.0
54	2.5	2.2	3.4
68	4.3	3.6	5.4



#23
Nitrobenzene-d5
Concen: 63.861 ng
RT: 9.447 min Scan# 1048
Delta R.T. -0.009 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:	82	Resp:	183837
Ion	Ratio	Lower	Upper
82	100		
128	49.1	39.4	59.2
54	27.1	21.4	32.2

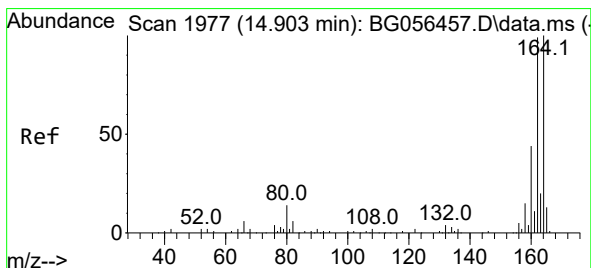
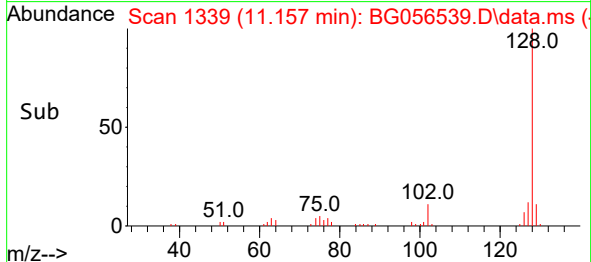
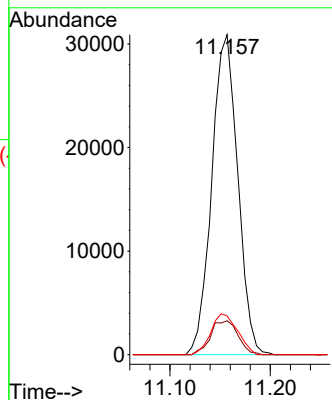
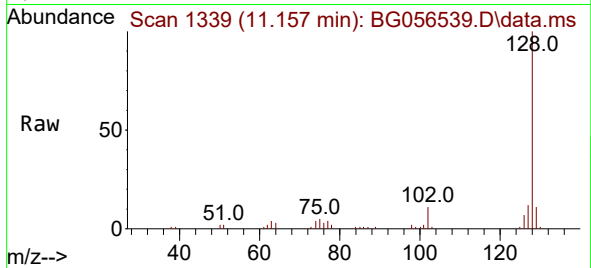




#31
Naphthalene
Concen: 6.437 ng
RT: 11.157 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

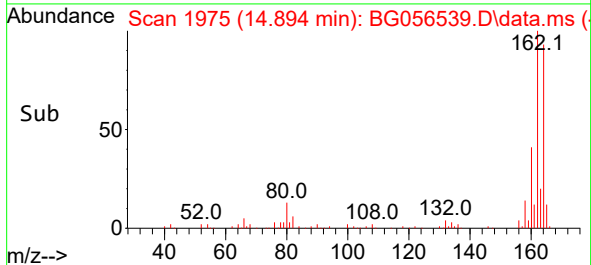
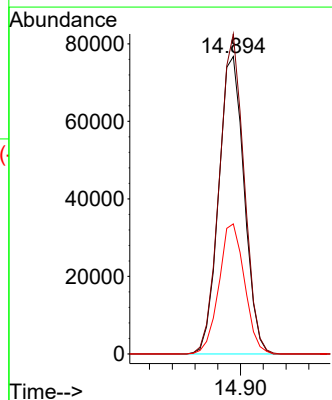
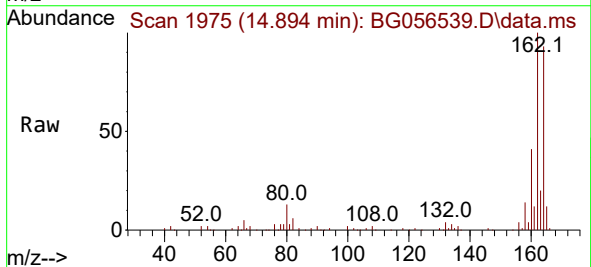
Instrument :
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ClientSampleId :
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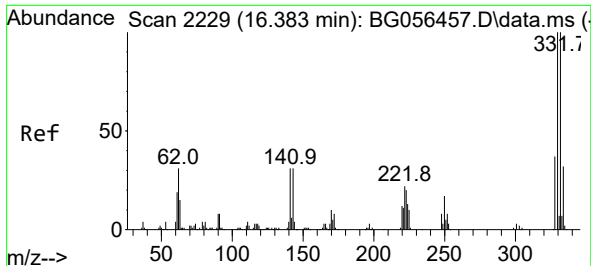
Tgt Ion:128 Resp: 55534
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.1 10.4 15.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:164 Resp: 119266
Ion Ratio Lower Upper
164 100
162 107.6 79.6 119.4
160 43.7 34.9 52.3

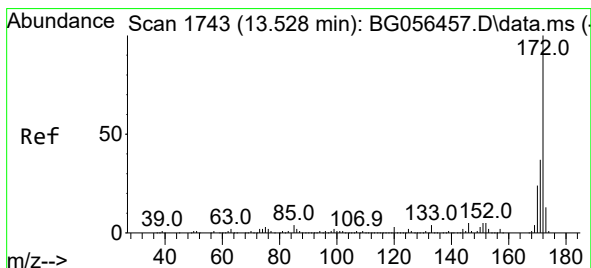
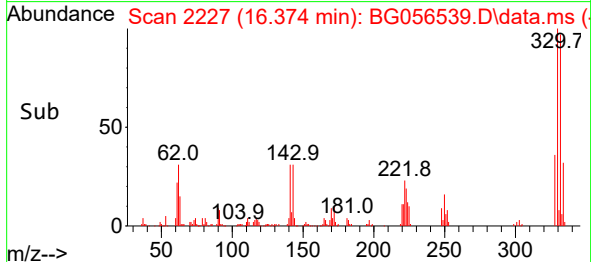
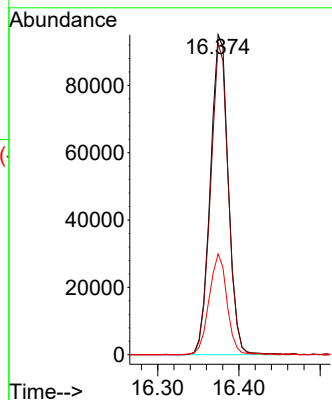
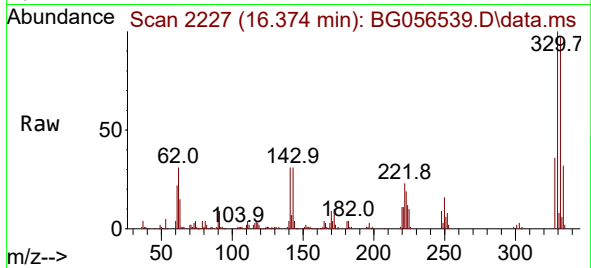




#42
2,4,6-Tribromophenol
Concen: 91.840 ng
RT: 16.374 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

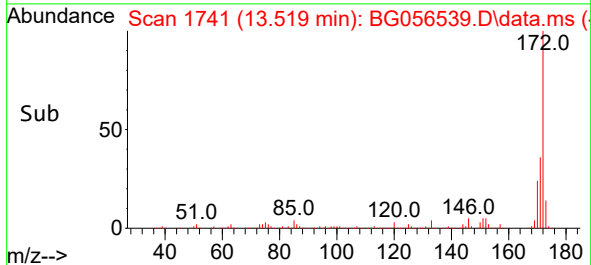
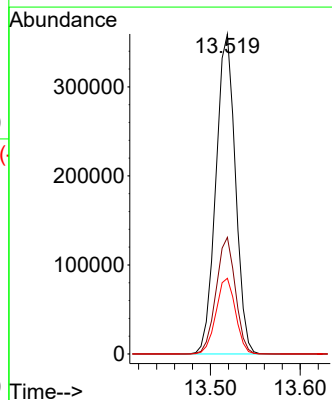
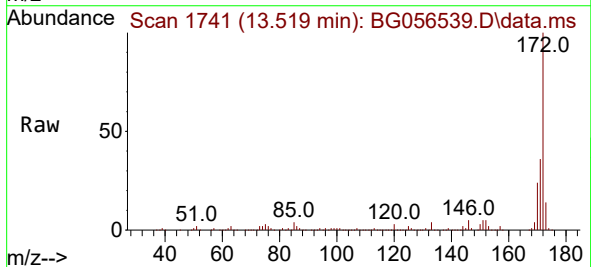
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ClientSampleId :
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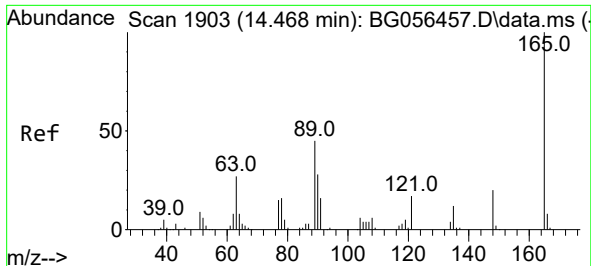
Tgt Ion:330 Resp: 145619
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.6
141 31.3 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 62.883 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:172 Resp: 540944
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 23.7 19.2 28.8

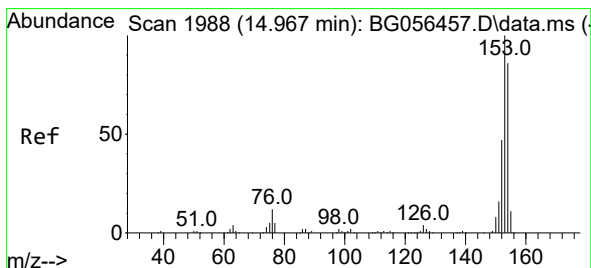
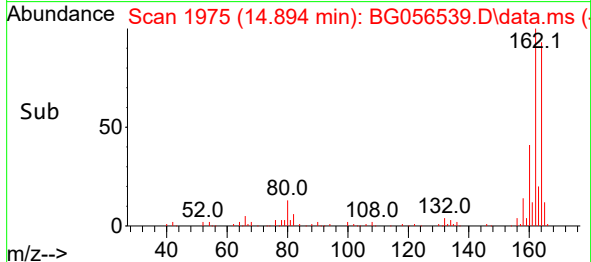
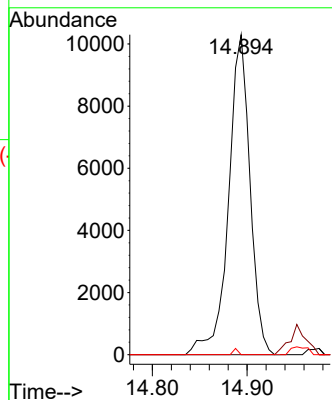
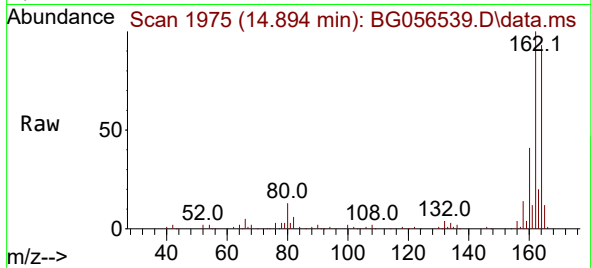




#51
2,6-Dinitrotoluene
Concen: 7.698 ng
RT: 14.894 min Scan# 1975
Delta R.T. 0.426 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

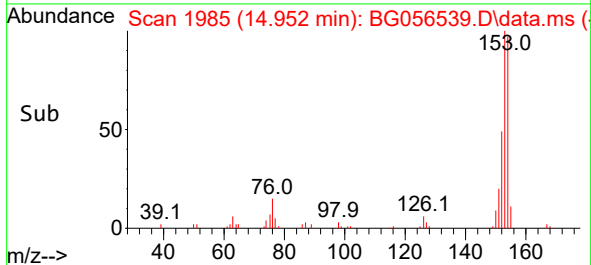
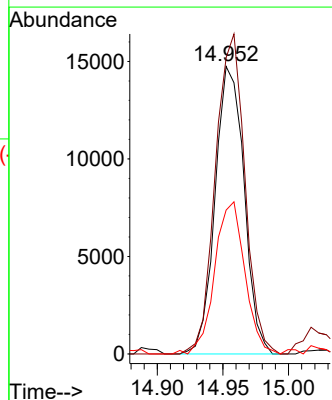
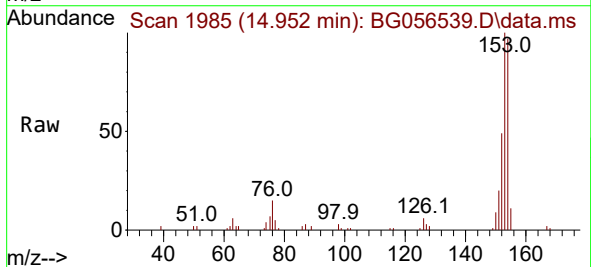
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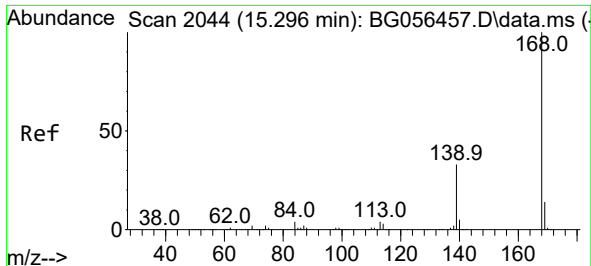
Tgt Ion:165 Resp: 16199
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 0.0 35.6 53.4#



#52
Acenaphthene
Concen: 3.467 ng
RT: 14.952 min Scan# 1985
Delta R.T. -0.009 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:154 Resp: 22615
Ion Ratio Lower Upper
154 100
153 103.0 93.4 140.0
152 50.0 43.4 65.2

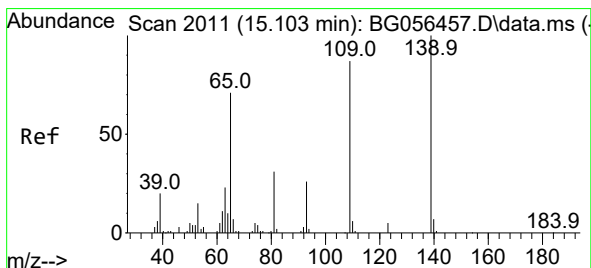
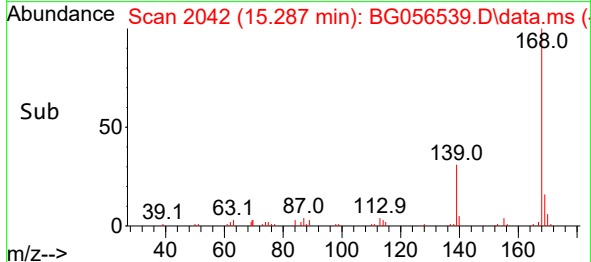
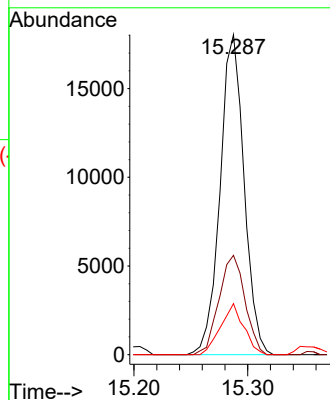
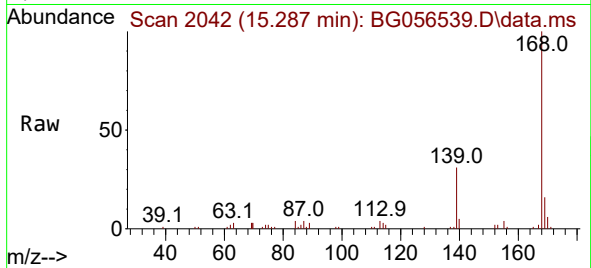




#55
Dibenzofuran
Concen: 2.262 ng
RT: 15.287 min Scan# 2042
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

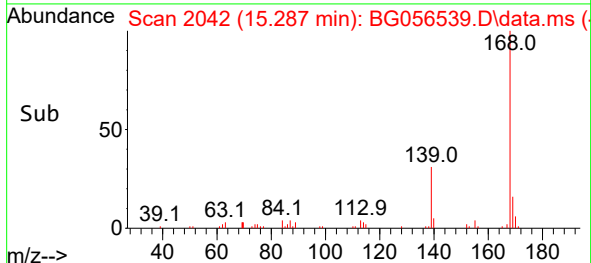
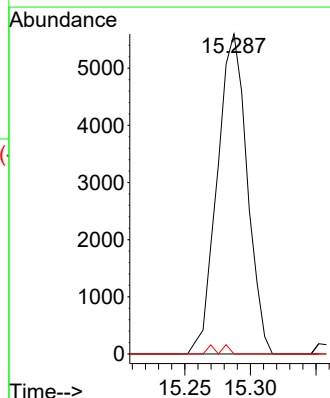
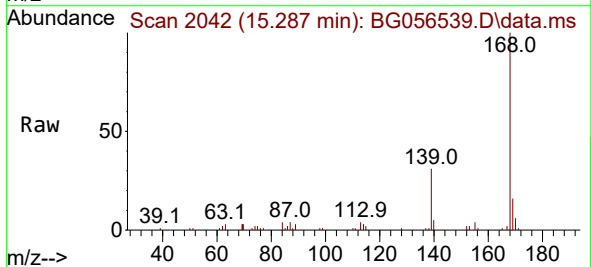
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ClientSampleId :
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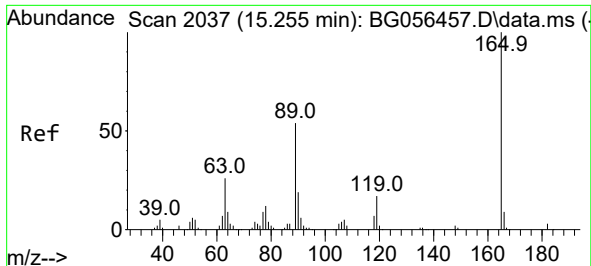
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Ion Ratio Lower Upper
168 100
139 31.0 26.2 39.2
169 15.9 11.0 16.6



#56
4-Nitrophenol
Concen: 6.372 ng
RT: 15.287 min Scan# 2042
Delta R.T. 0.191 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:139 Resp: 8882
Ion Ratio Lower Upper
139 100
109 0.0 67.5 107.5#
65 0.0 50.7 90.7#





#57

2,4-Dinitrotoluene

Concen: 5.465 ng

RT: 14.894 min Scan# 1975

Delta R.T. -0.356 min

Lab File: BG056539.D

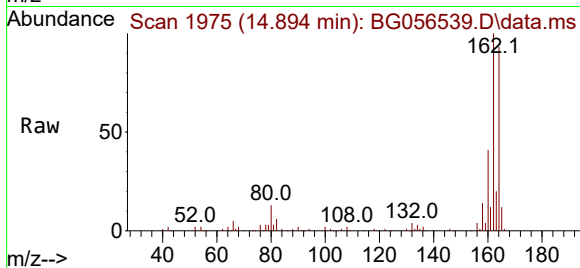
Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225



Tgt Ion:165 Resp: 16199

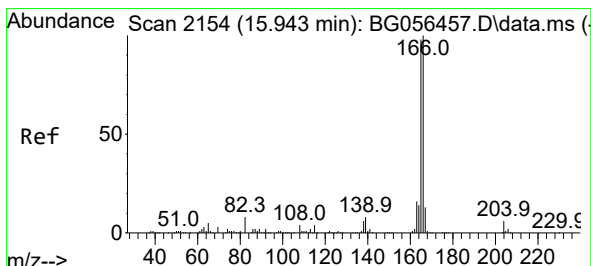
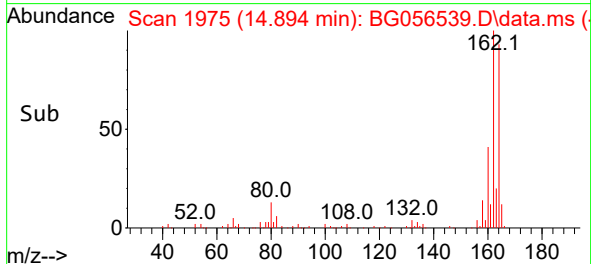
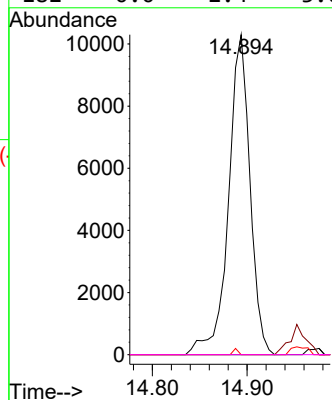
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 0.0 43.1 64.7#

182 0.0 2.4 3.6#



#58

Fluorene

Concen: 3.477 ng

RT: 15.934 min Scan# 2152

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

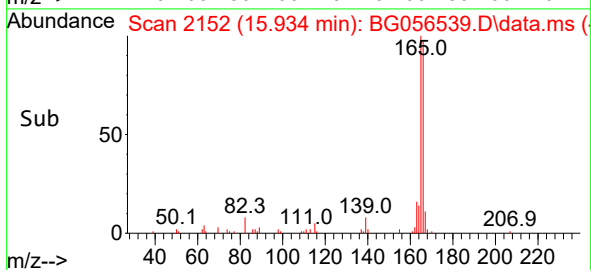
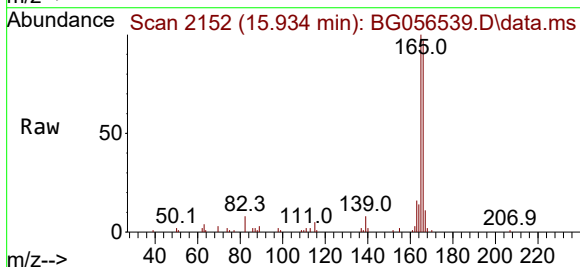
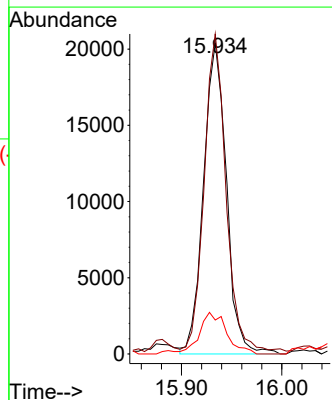
Tgt Ion:166 Resp: 32371

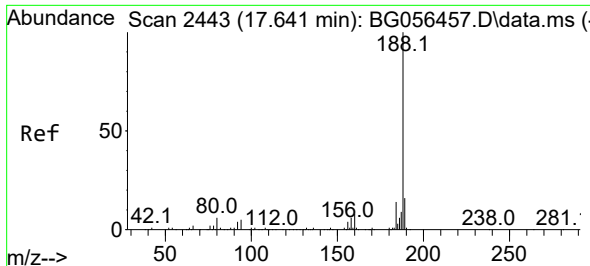
Ion Ratio Lower Upper

166 100

165 102.9 78.8 118.2

167 10.9 10.6 15.8

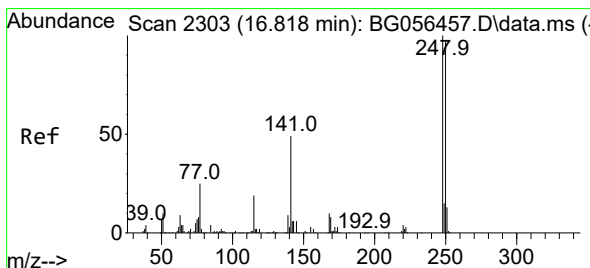
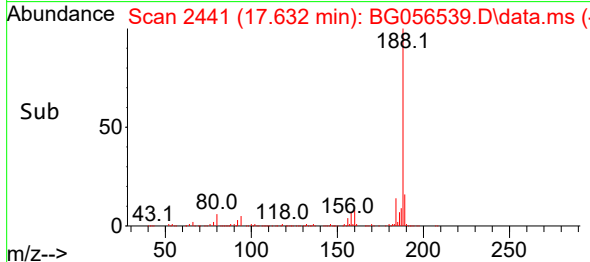
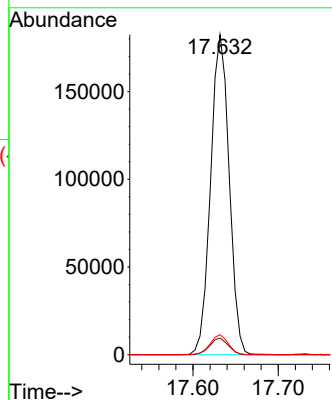
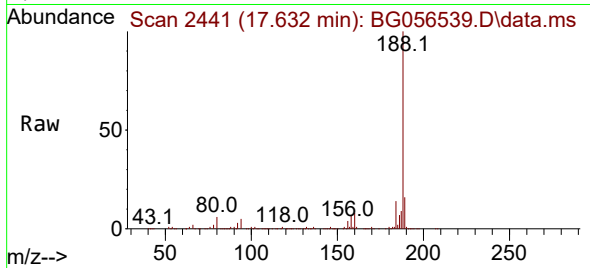




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

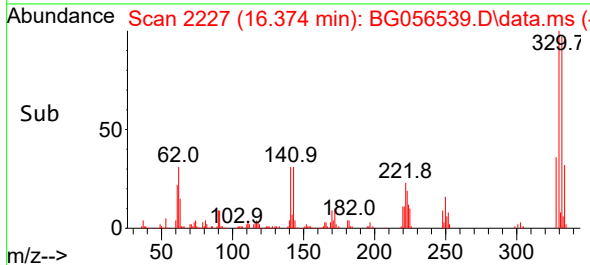
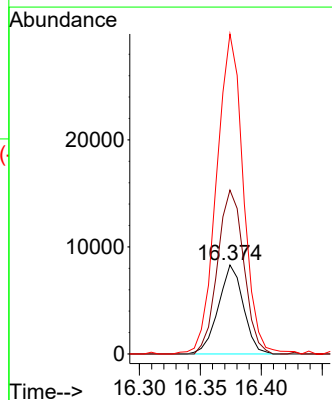
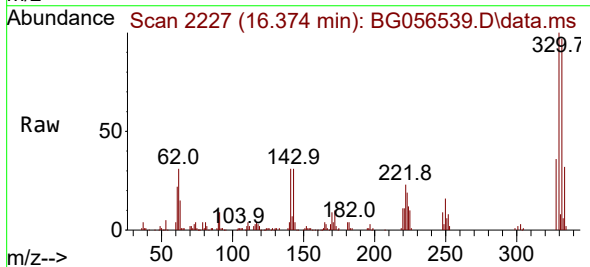
Instrument :
BNA_G
ClientSampleId :
VNJ-225

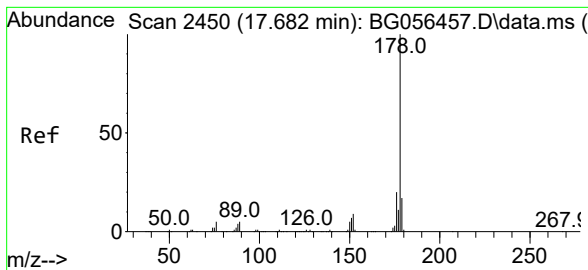
Tgt Ion:188 Resp: 275349
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.3 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.361 ng
RT: 16.374 min Scan# 2227
Delta R.T. -0.438 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:248 Resp: 11849
Ion Ratio Lower Upper
248 100
250 184.1 77.6 116.4#
141 359.6 39.0 58.4#

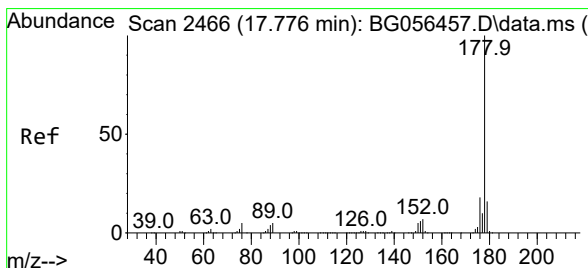
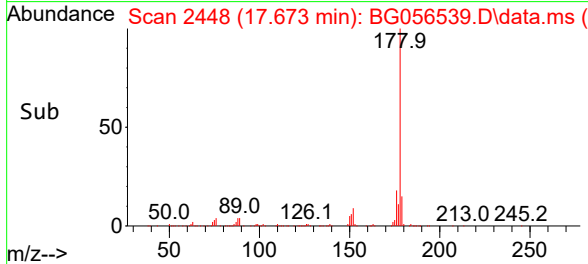
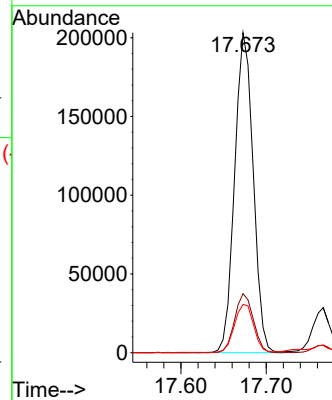
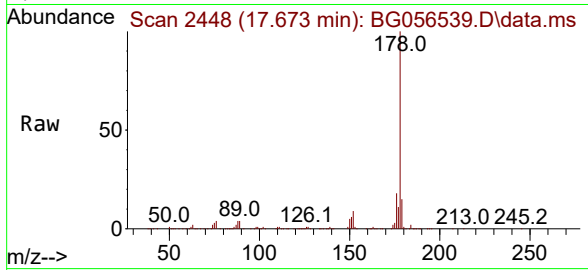




#71
Phenanthrene
Concen: 21.290 ng
RT: 17.673 min Scan# 2450
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

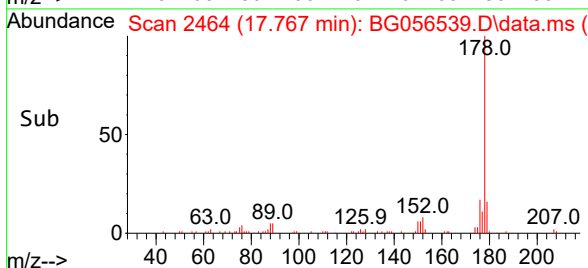
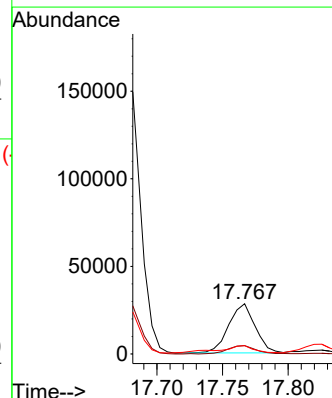
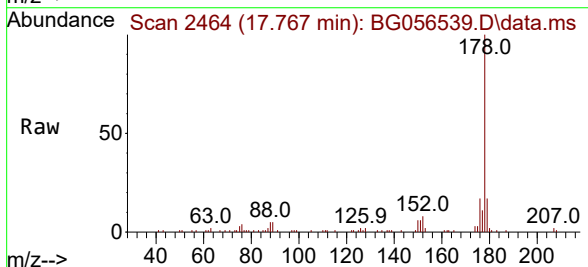
Instrument :
BNA_G
ClientSampleId :
VNJ-225

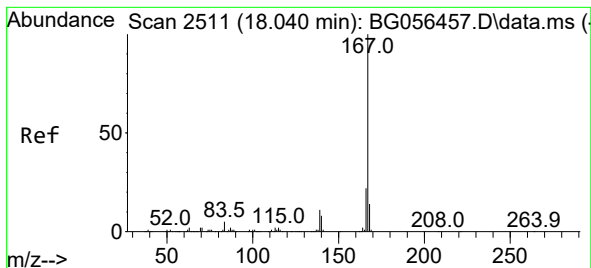
Tgt Ion:178 Resp: 306818
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.1 13.3 19.9



#72
Anthracene
Concen: 2.670 ng
RT: 17.767 min Scan# 2464
Delta R.T. -0.003 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:178 Resp: 39494
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 16.6 12.5 18.7





#73

Carbazole

Concen: 3.217 ng

RT: 18.031 min Scan# 2509

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225

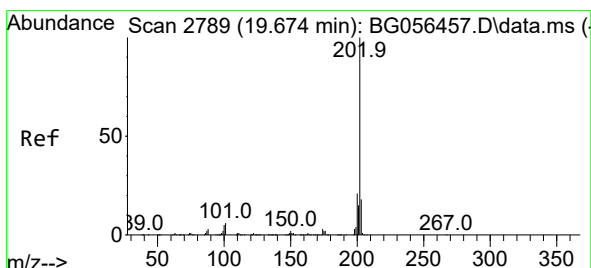
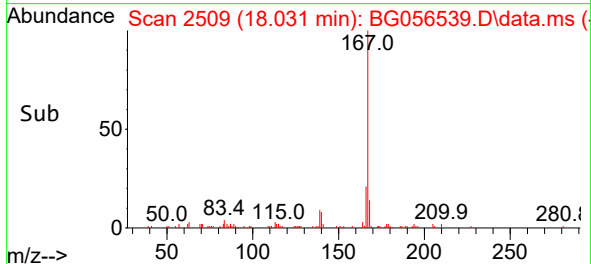
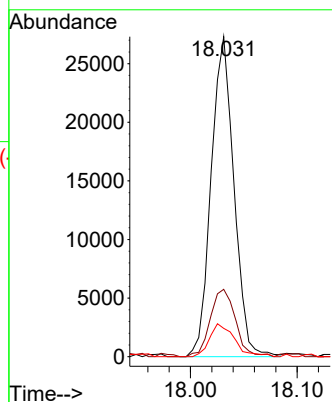
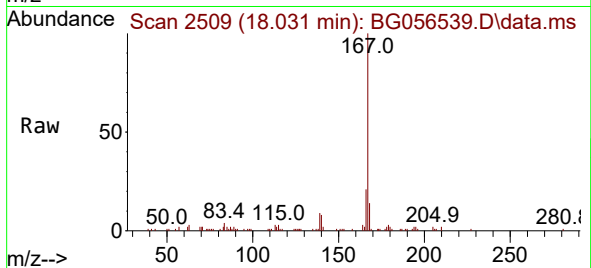
Tgt Ion:167 Resp: 40537

Ion Ratio Lower Upper

167 100

166 21.1 17.8 26.6

139 8.9 8.9 13.3#



#75

Fluoranthene

Concen: 32.982 ng

RT: 19.670 min Scan# 2788

Delta R.T. 0.002 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

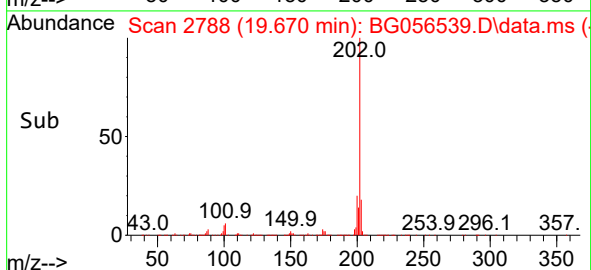
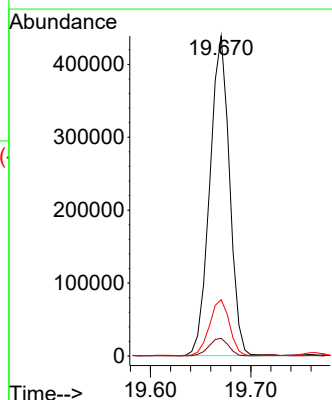
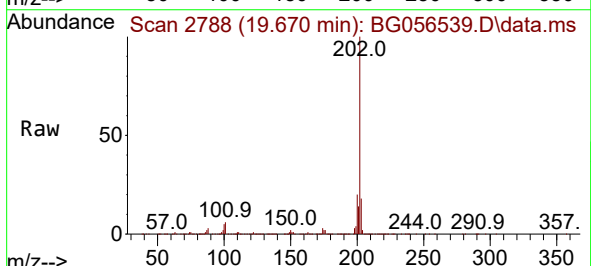
Tgt Ion:202 Resp: 599909

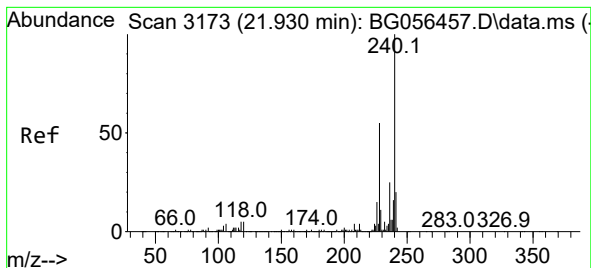
Ion Ratio Lower Upper

202 100

101 5.5 0.0 25.6

203 17.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.927 min Scan# 3172

Delta R.T. 0.002 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225

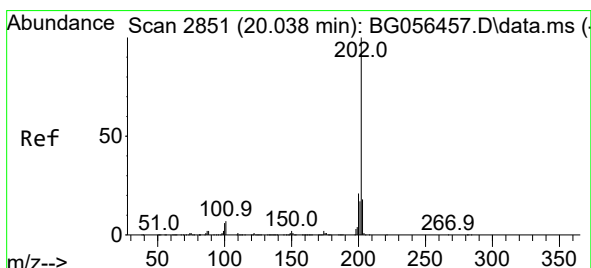
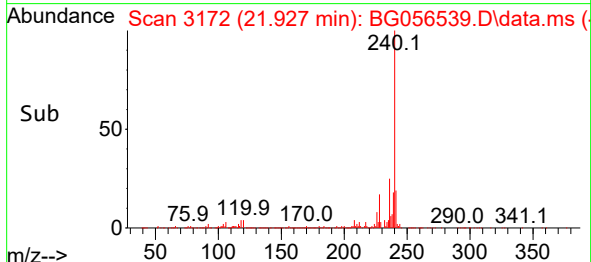
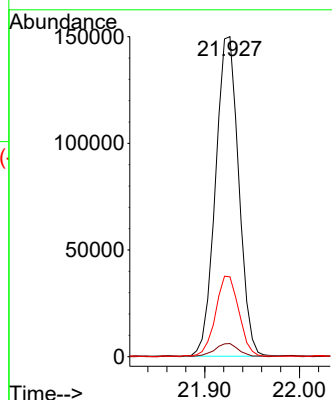
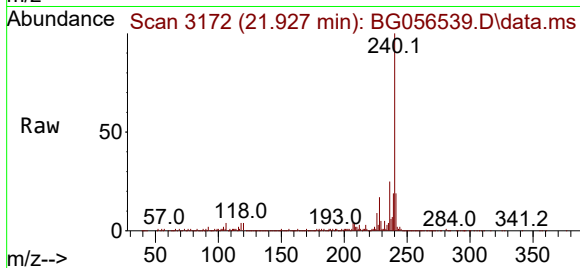
Tgt Ion:240 Resp: 254875

Ion Ratio Lower Upper

240 100

120 4.1 3.8 5.8

236 25.0 20.2 30.2



#78

Pyrene

Concen: 29.260 ng

RT: 20.029 min Scan# 2849

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

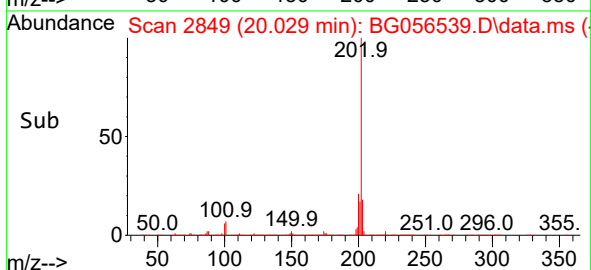
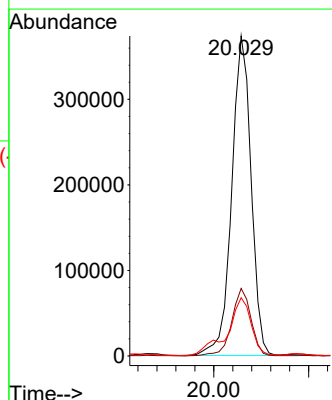
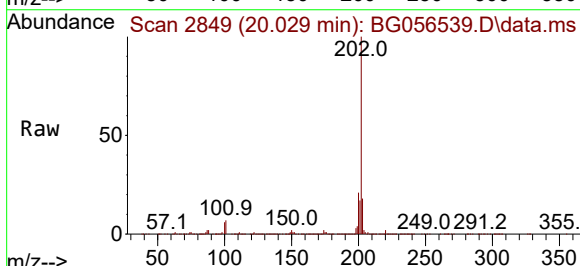
Tgt Ion:202 Resp: 530411

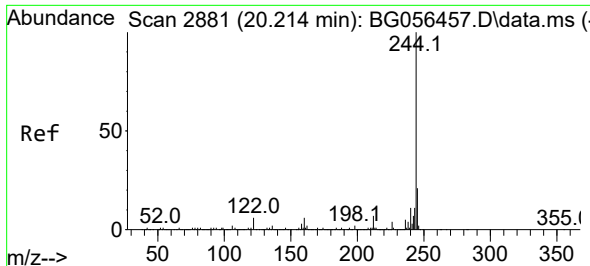
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 18.2 14.4 21.6

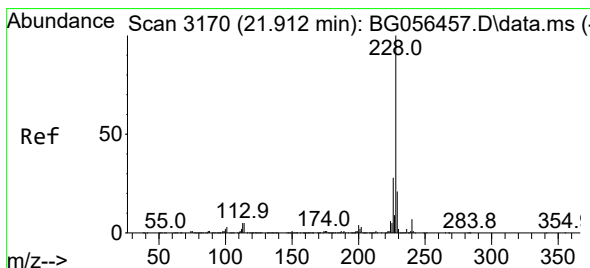
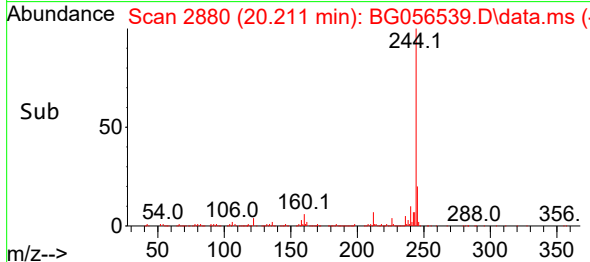
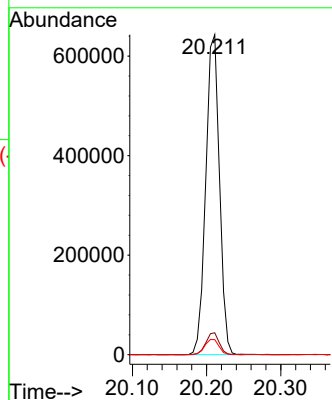
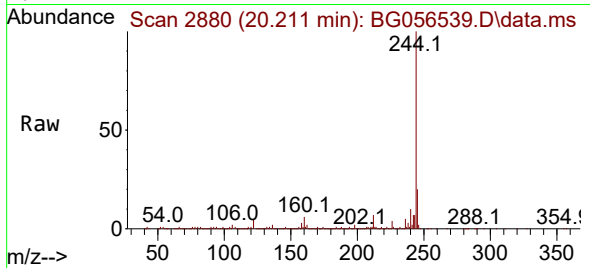




#79
 Terphenyl-d14
 Concen: 56.870 ng
 RT: 20.211 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG056539.D
 Acq: 3 Feb 2023 15:09

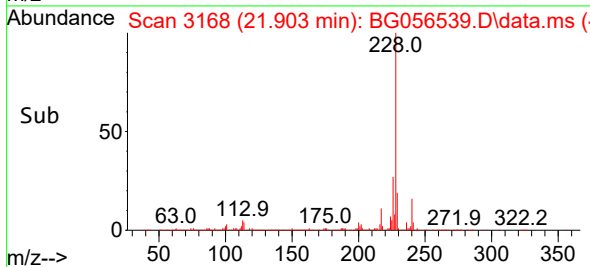
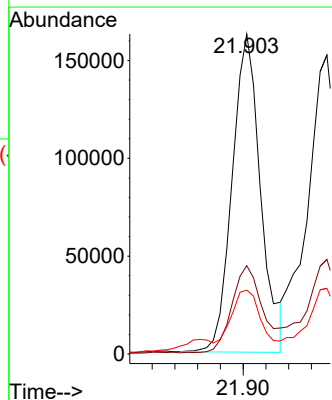
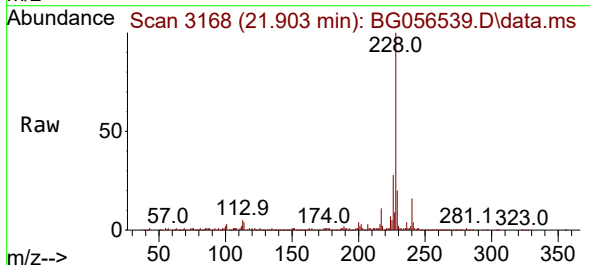
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-225

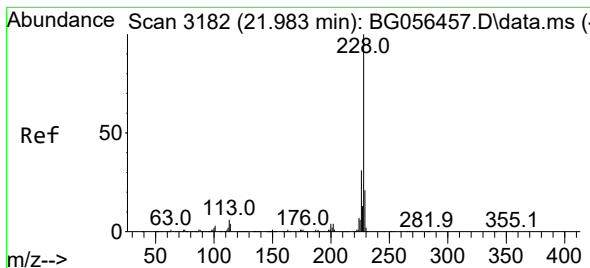
Tgt Ion:244 Resp: 825263
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 4.7 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 15.797 ng
 RT: 21.903 min Scan# 3168
 Delta R.T. 0.002 min
 Lab File: BG056539.D
 Acq: 3 Feb 2023 15:09

Tgt Ion:228 Resp: 281481
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.4 33.6
 229 20.0 16.5 24.7





#83

Chrysene

Concen: 17.482 ng

RT: 21.974 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225

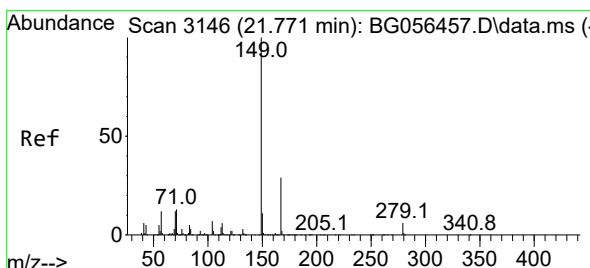
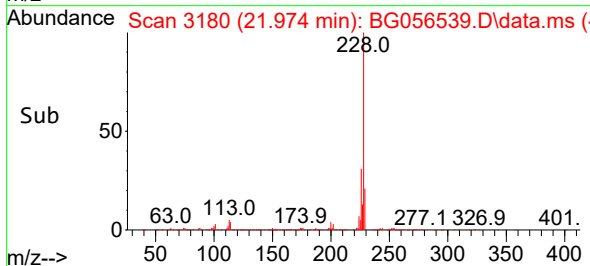
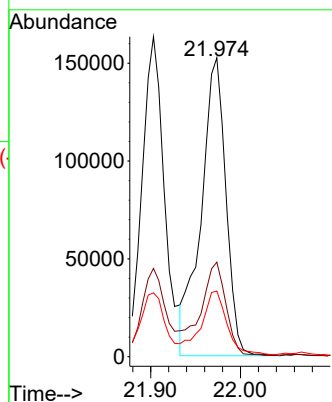
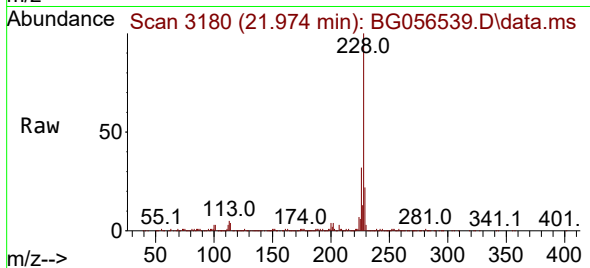
Tgt Ion:228 Resp: 292657

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.4

229 22.0 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.326 ng

RT: 21.762 min Scan# 3144

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

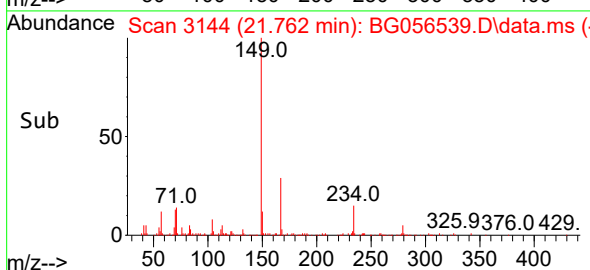
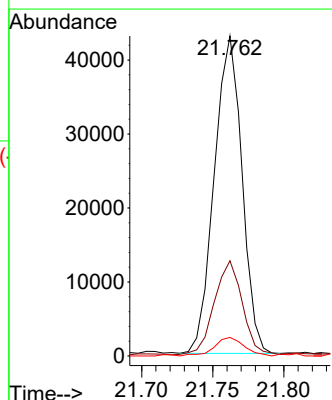
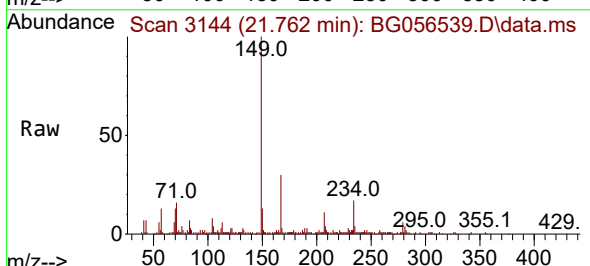
Tgt Ion:149 Resp: 58148

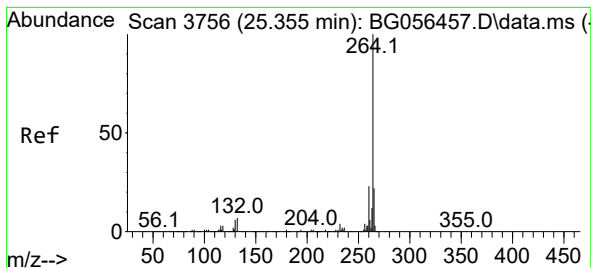
Ion Ratio Lower Upper

149 100

167 29.8 23.4 35.2

279 5.8 4.4 6.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.346 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225

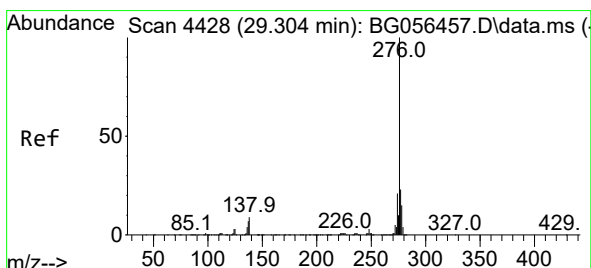
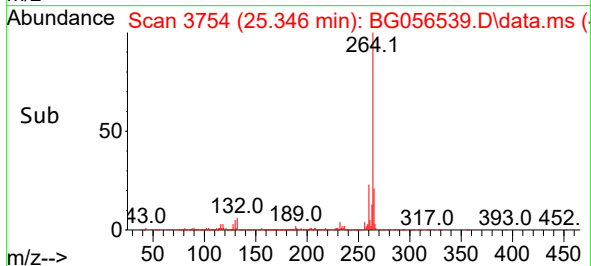
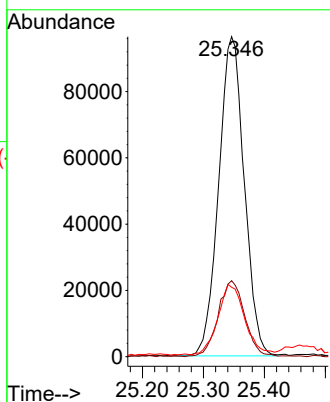
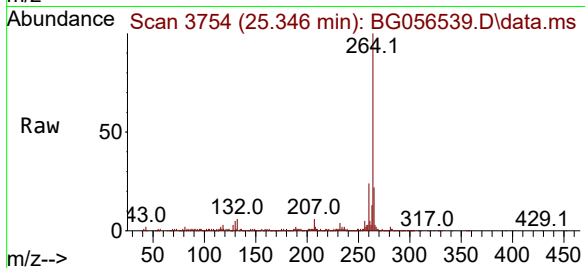
Tgt Ion:264 Resp: 280558

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 21.7 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.111 ng

RT: 29.283 min Scan# 4424

Delta R.T. 0.002 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

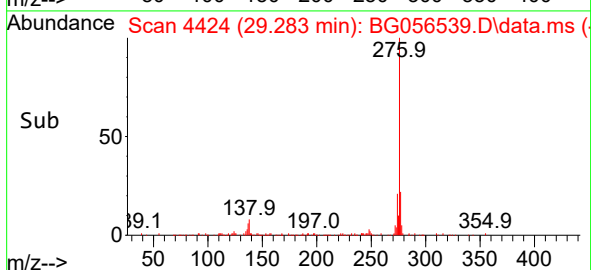
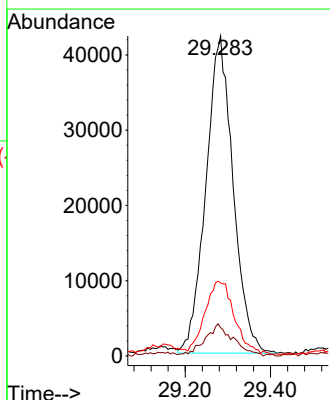
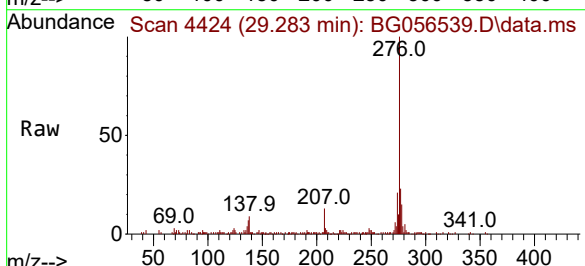
Tgt Ion:276 Resp: 187113

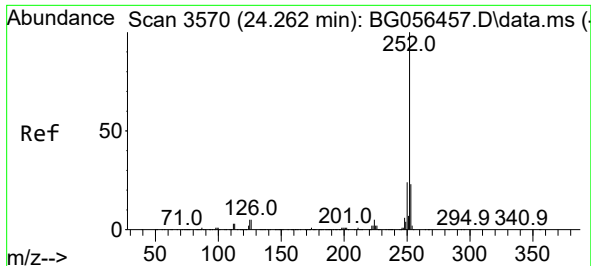
Ion Ratio Lower Upper

276 100

138 10.5 9.4 14.2

277 25.1 20.3 30.5

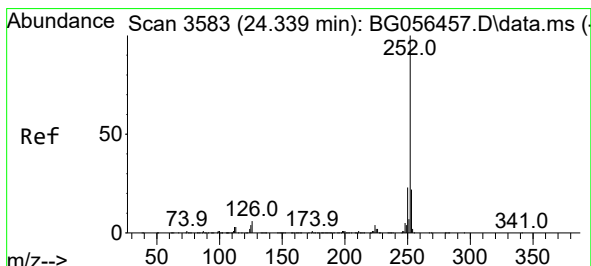
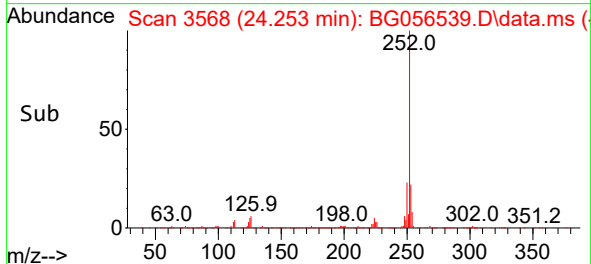
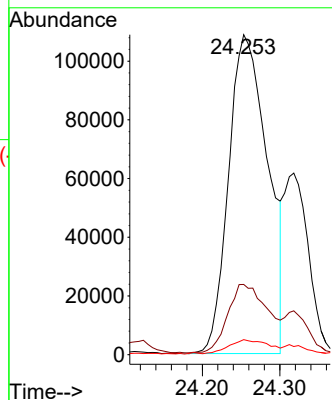
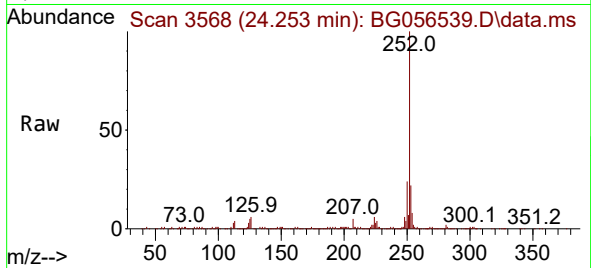




#88
Benzo(b)fluoranthene
Concen: 21.851 ng
RT: 24.253 min Scan# 3568
Delta R.T. 0.002 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

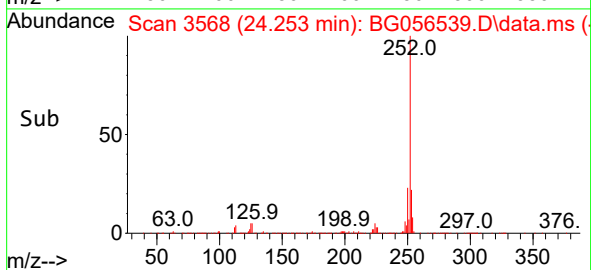
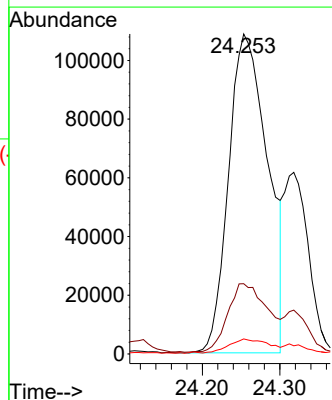
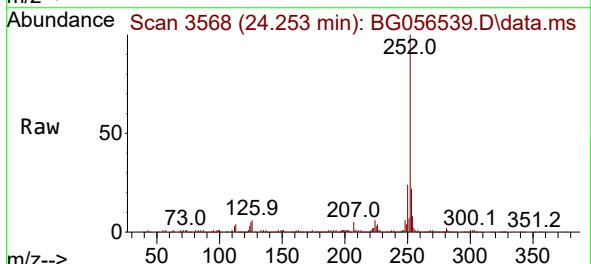
Instrument :
BNA_G
ClientSampleId :
VNJ-225

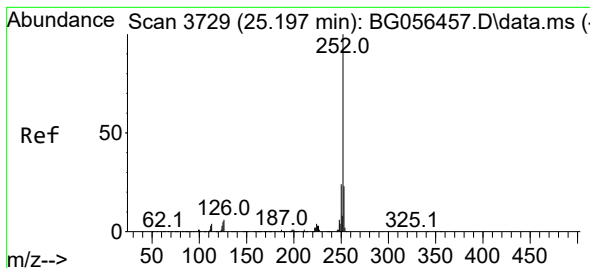
Tgt Ion:252 Resp: 380513
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 4.7 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 21.642 ng
RT: 24.253 min Scan# 3568
Delta R.T. -0.068 min
Lab File: BG056539.D
Acq: 3 Feb 2023 15:09

Tgt Ion:252 Resp: 380513
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 4.7 3.4 5.0





#90

Benzo(a)pyrene

Concen: 15.749 ng

RT: 25.182 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

Instrument :

BNA_G

ClientSampleId :

VNJ-225

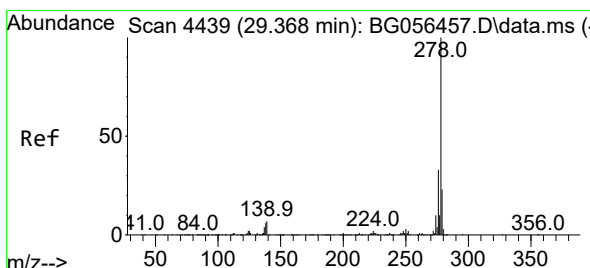
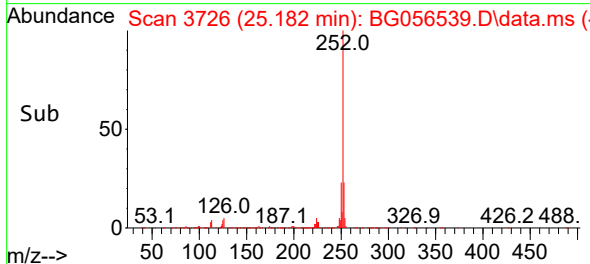
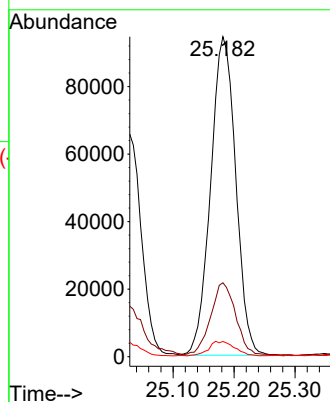
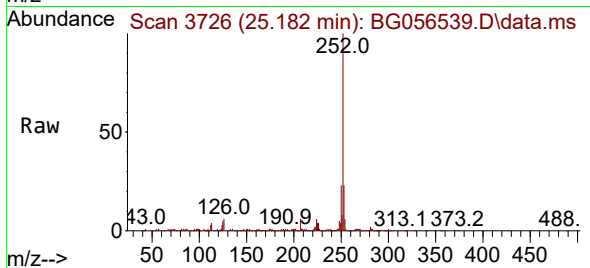
Tgt Ion:252 Resp: 270148

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 4.8 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 2.983 ng

RT: 29.318 min Scan# 4430

Delta R.T. -0.027 min

Lab File: BG056539.D

Acq: 3 Feb 2023 15:09

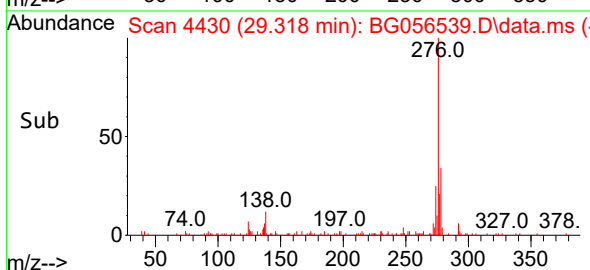
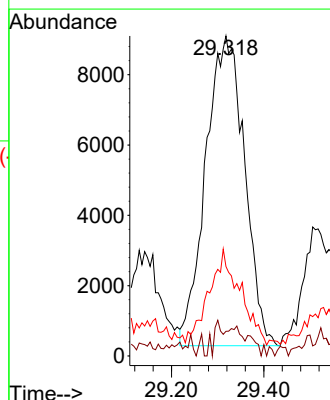
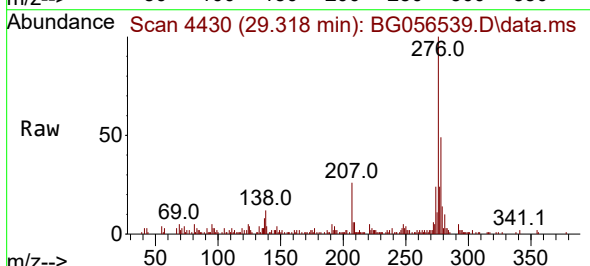
Tgt Ion:278 Resp: 51419

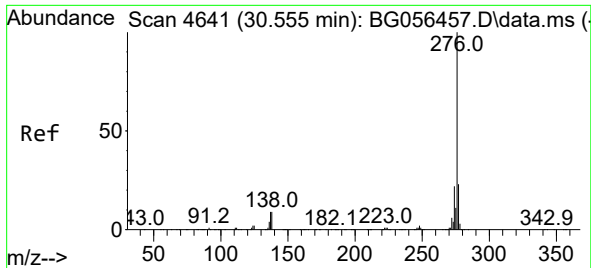
Ion Ratio Lower Upper

278 100

139 7.7 5.5 8.3

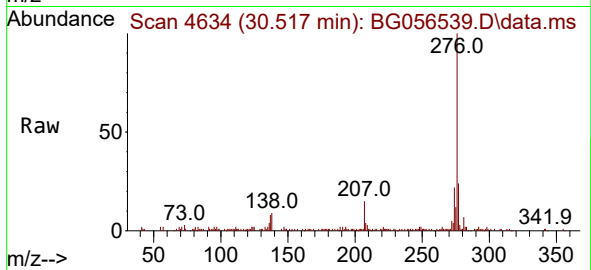
279 27.9 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.877 ng
 RT: 30.517 min Scan# 4
 Delta R.T. -0.009 min
 Lab File: BG056539.D
 Acq: 3 Feb 2023 15:09

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-225



Tgt Ion:276 Resp: 180928
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.5 27.7
 138 8.9 7.4 11.0

