

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
 Data File : BM044768.D
 Acq On : 26 Mar 2024 14:47
 Operator : MA/JU
 Sample : P1865-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

Quant Time: Mar 26 15:17:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

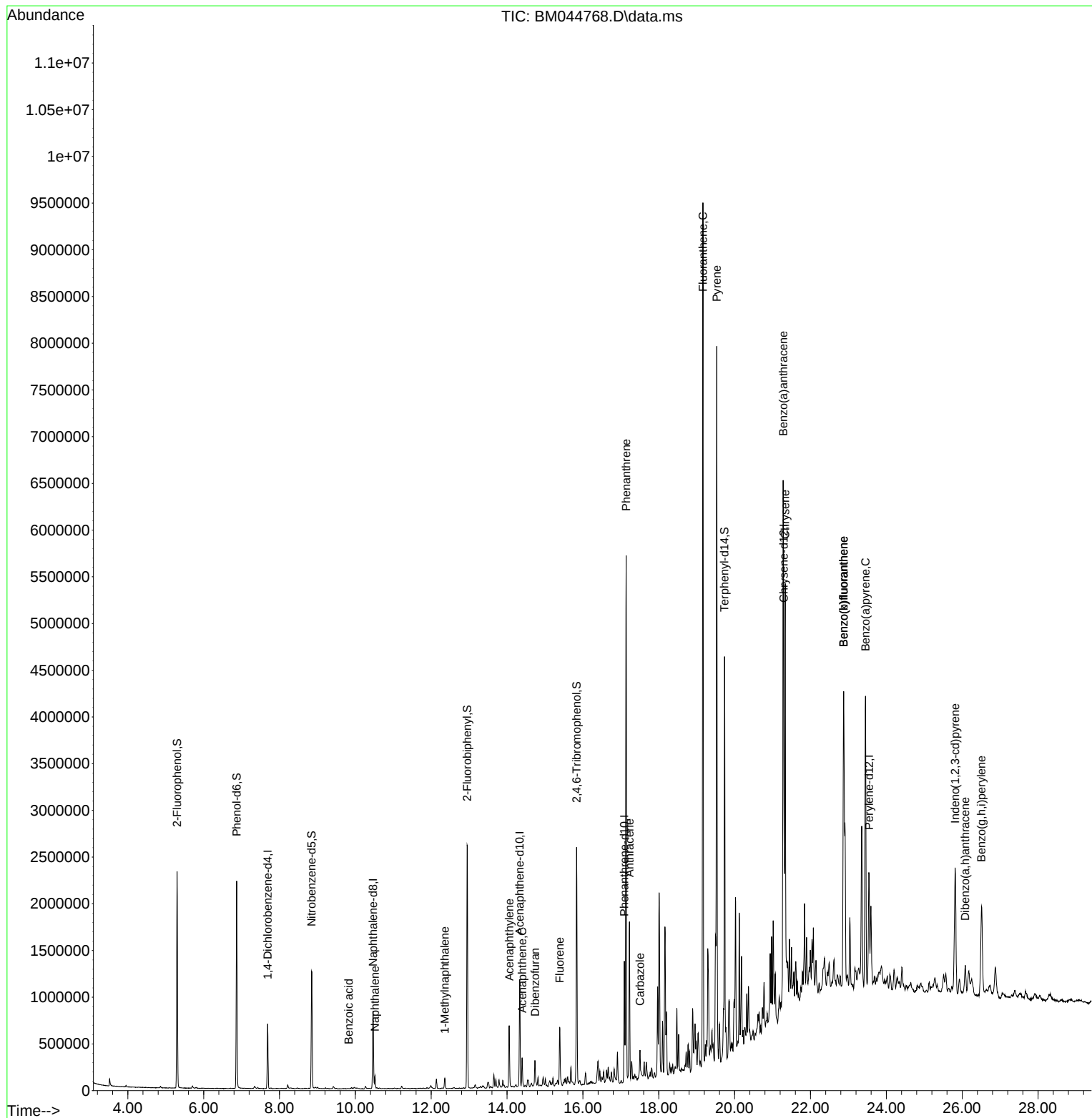
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	177429	20.000	ng	-0.02
21) Naphthalene-d8	10.469	136	687033	20.000	ng	-0.02
39) Acenaphthene-d10	14.333	164	396828	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	789100	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	713553	20.000	ng	-0.01
86) Perylene-d12	23.544	264	879150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	940989	76.146	ng	0.00
7) Phenol-d6	6.869	99	1180176	74.233	ng	-0.01
23) Nitrobenzene-d5	8.845	82	715948	50.203	ng	-0.02
42) 2,4,6-Tribromophenol	15.833	330	392028	89.568	ng	-0.01
45) 2-Fluorobiphenyl	12.951	172	1339682	46.494	ng	-0.02
79) Terphenyl-d14	19.733	244	1931968	47.364	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.516	128	108193	2.869	ng	98
32) Benzoic acid	9.822	122	115	3.632	ng	# 22
38) 1-Methylnaphthalene	12.357	142	52557	2.204	ng	# 97
49) Acenaphthylene	14.057	152	493185	13.191	ng	100
52) Acenaphthene	14.398	154	105877	4.685	ng	98
55) Dibenzofuran	14.739	168	138219	3.853	ng	# 97
58) Fluorene	15.386	166	290306	10.393	ng	100
71) Phenanthrene	17.139	178	3227772	74.019	ng	100
72) Anthracene	17.227	178	1014603	23.198	ng	99
73) Carbazole	17.504	167	181497	4.406	ng	99
75) Fluoranthene	19.162	202	5371974	110.202	ng	97
78) Pyrene	19.527	202	4721067	90.273	ng	99
81) Benzo(a)anthracene	21.280	228	2585402	52.074	ng	94
83) Chrysene	21.333	228	2169917	45.738	ng	96
87) Indeno(1,2,3-cd)pyrene	25.815	276	1296360	20.398	ng	# 93
88) Benzo(b)fluoranthene	22.874	252	2848769	55.139	ng	99
89) Benzo(k)fluoranthene	22.874	252	2848769	53.636	ng	99
90) Benzo(a)pyrene	23.450	252	2112673	41.924	ng	97
91) Dibenzo(a,h)anthracene	26.079	278	297796	5.558	ng	97
92) Benzo(g,h,i)perylene	26.509	276	1176021	22.297	ng	97

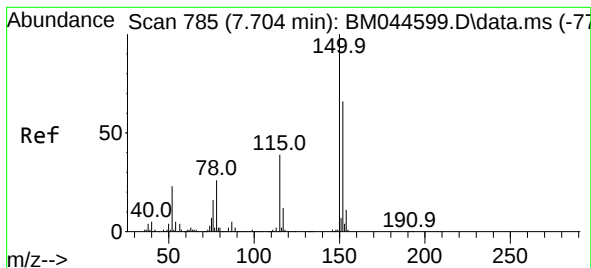
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
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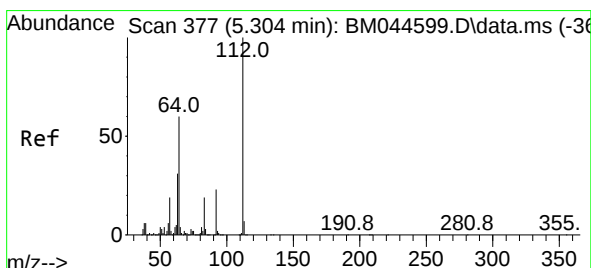
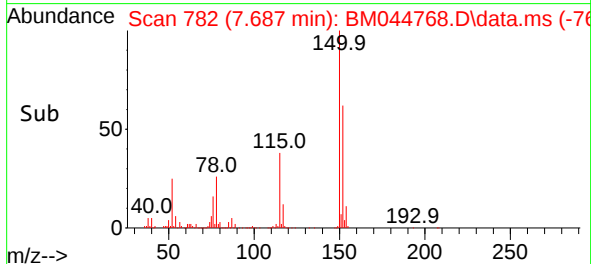
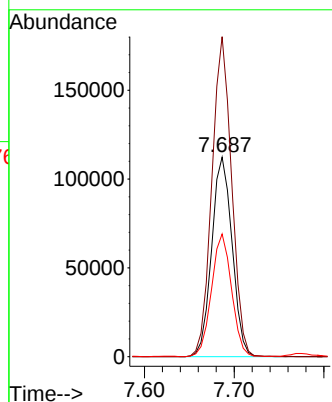
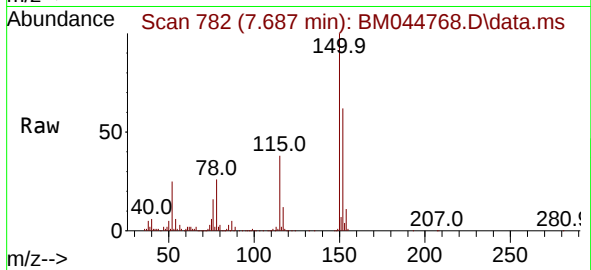




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.687 min Scan# 71
Delta R.T. -0.017 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

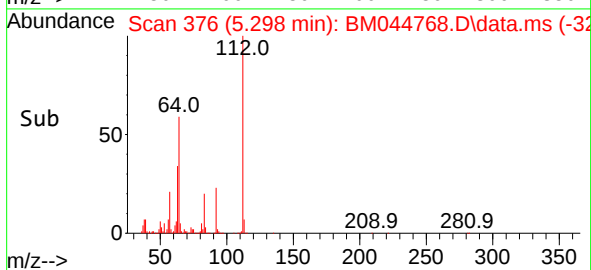
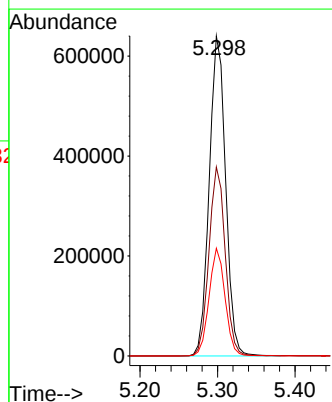
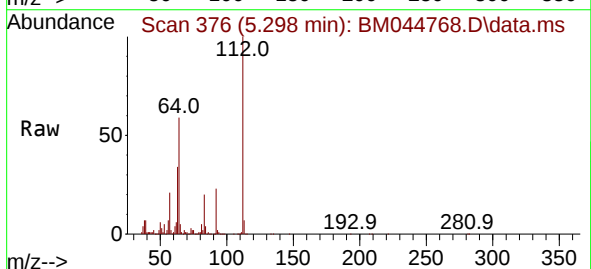
Instrument :
BNA_M
ClientSampleId :
VNJ-235

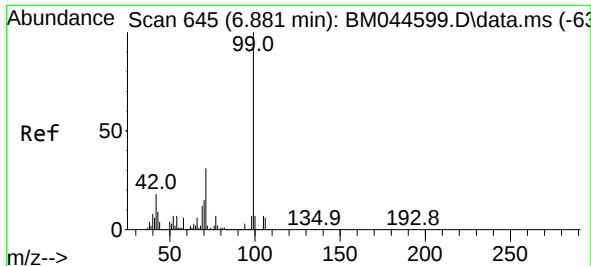
Tgt Ion:152 Resp: 177429
Ion Ratio Lower Upper
152 100
150 160.3 121.9 182.9
115 61.5 47.1 70.7



#5
2-Fluorophenol
Concen: 76.146 ng
RT: 5.298 min Scan# 376
Delta R.T. -0.006 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:112 Resp: 940989
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 33.7 25.0 37.4

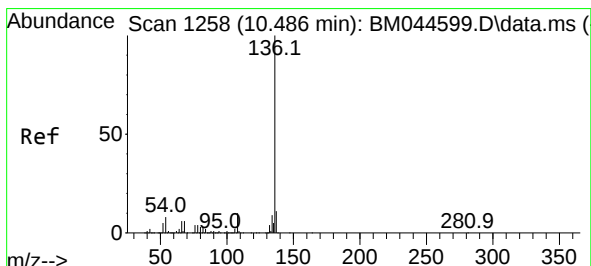
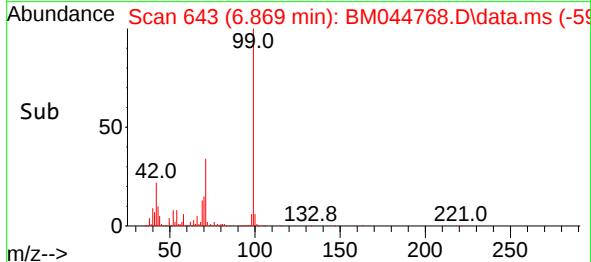
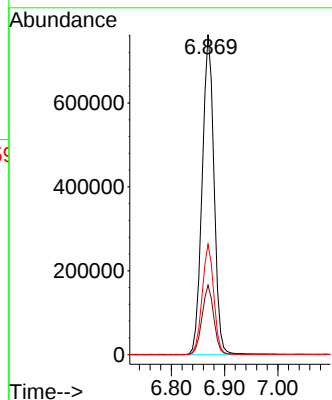
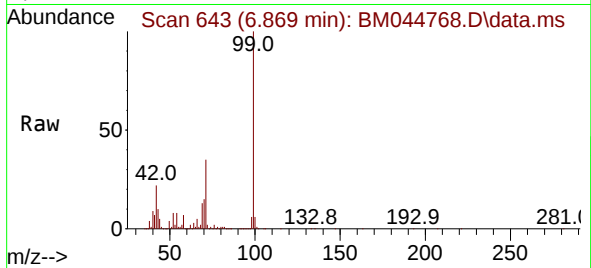




#7
Phenol-d6
Concen: 74.233 ng
RT: 6.869 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

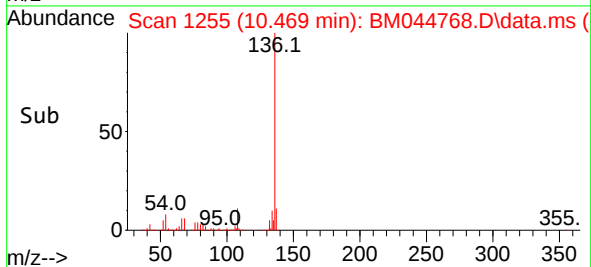
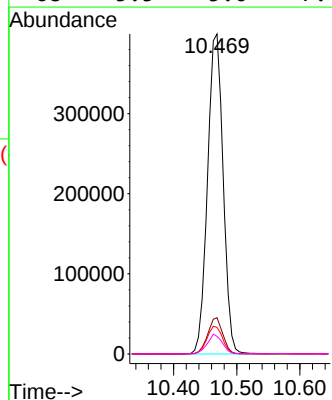
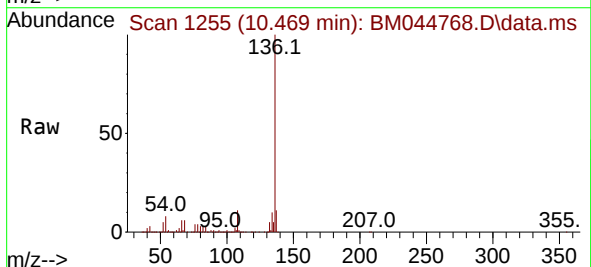
Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion: 99 Resp: 1180176
Ion Ratio Lower Upper
99 100
42 21.7 14.3 21.5#
71 34.5 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:136 Resp: 687033
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.3 6.6 10.0
68 5.5 5.0 7.4

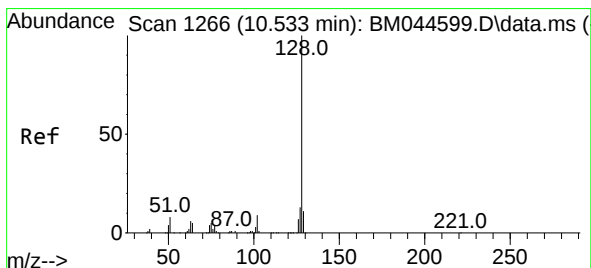
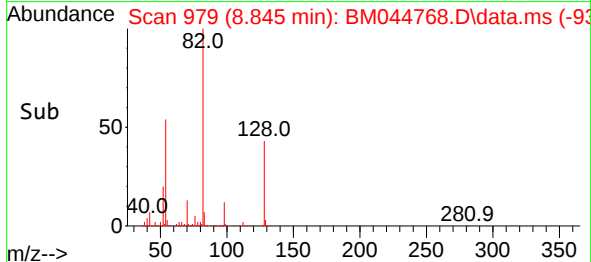
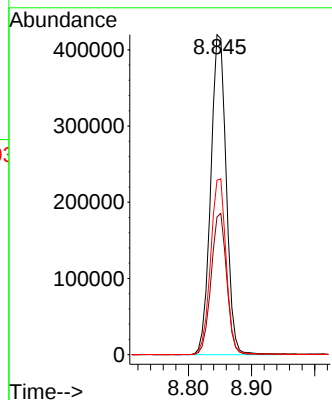
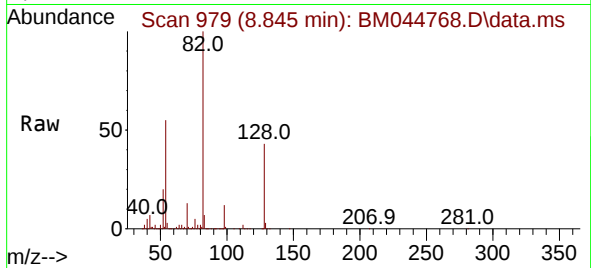




#23
Nitrobenzene-d5
Concen: 50.203 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

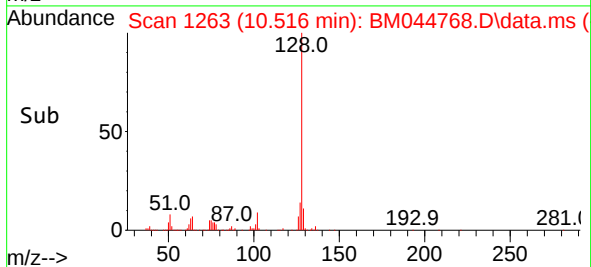
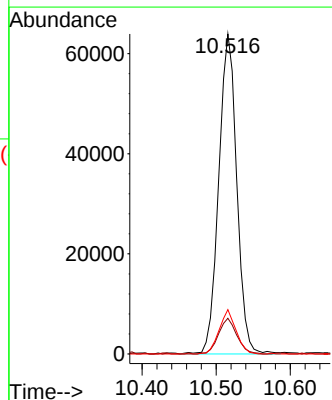
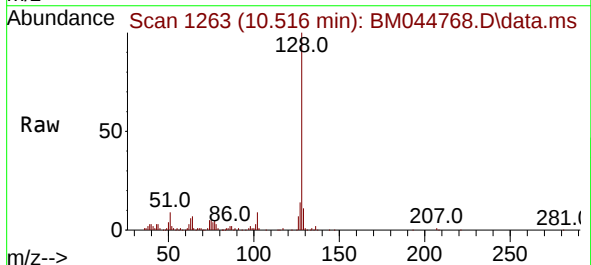
Instrument :
BNA_M
ClientSampleId :
VNJ-235

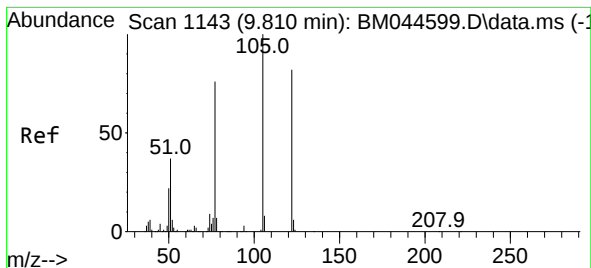
Tgt Ion: 82 Resp: 715948
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.4
54 54.5 41.3 61.9



#31
Naphthalene
Concen: 2.869 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion: 128 Resp: 108193
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.9 10.2 15.4





#32

Benzoic acid

Concen: 3.632 ng

RT: 9.822 min Scan# 1145

Delta R.T. 0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

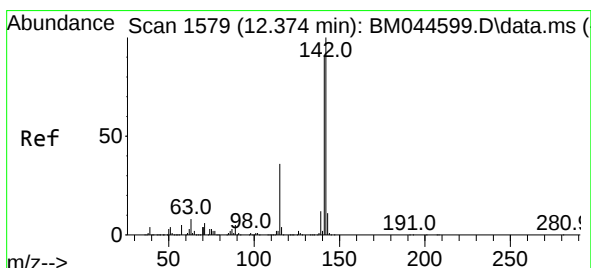
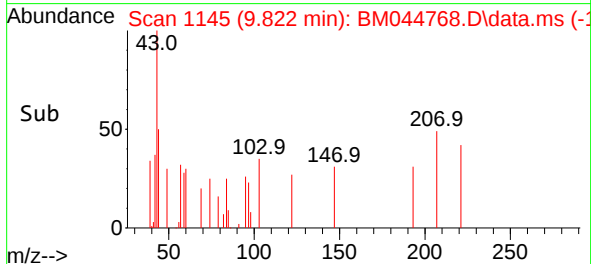
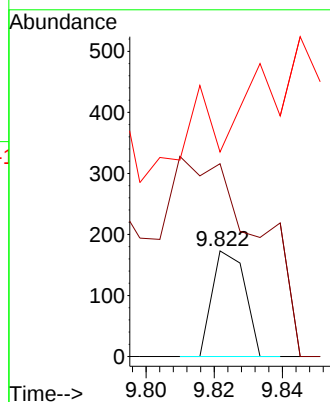
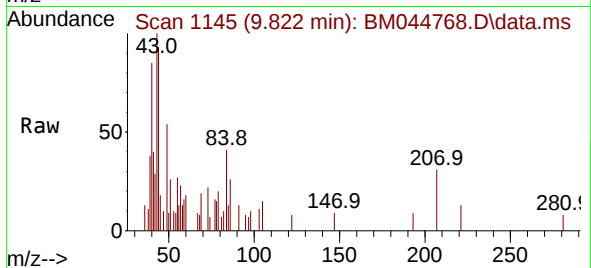
Tgt Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 182.7 100.0 140.0#

77 193.6 72.5 112.5#



#38

1-Methylnaphthalene

Concen: 2.204 ng

RT: 12.357 min Scan# 1576

Delta R.T. -0.018 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

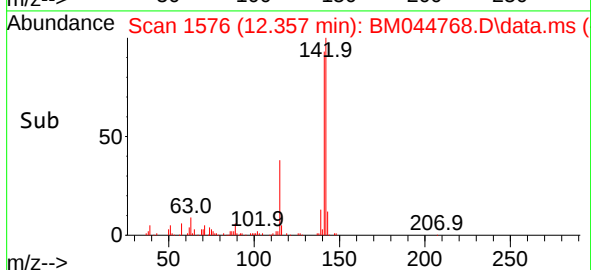
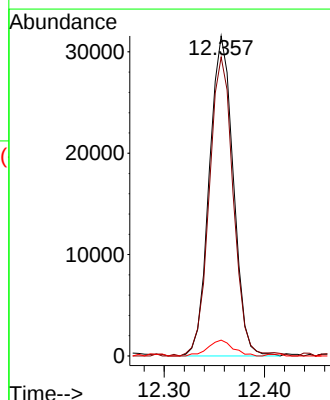
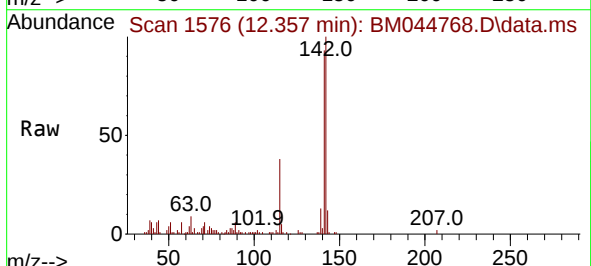
Tgt Ion:142 Resp: 52557

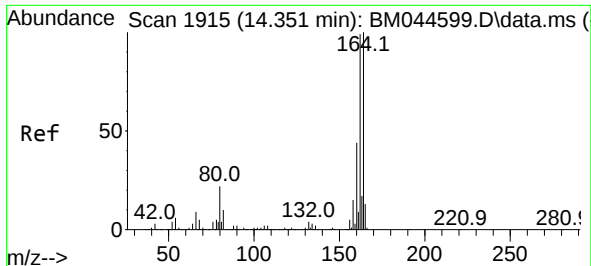
Ion Ratio Lower Upper

142 100

141 93.4 72.9 109.3

116 5.0 2.9 4.3#

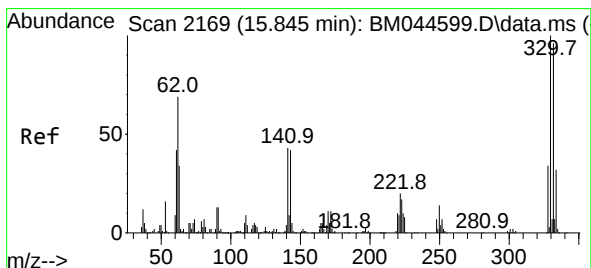
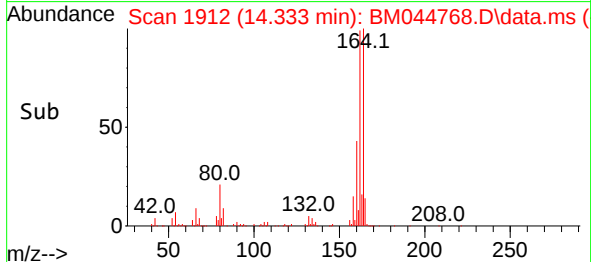
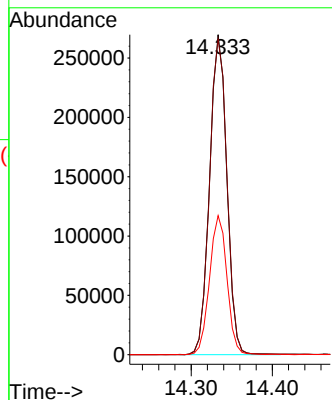
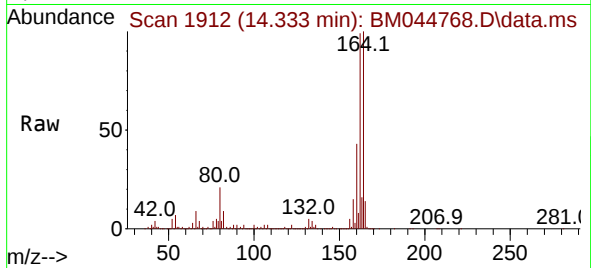




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

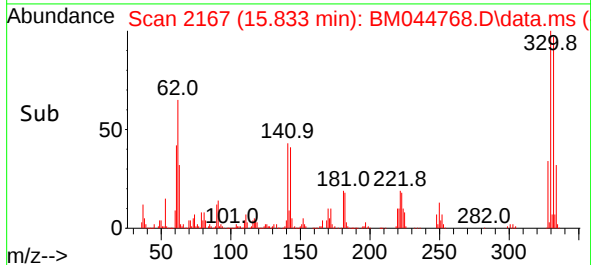
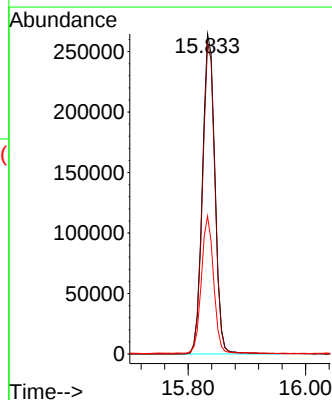
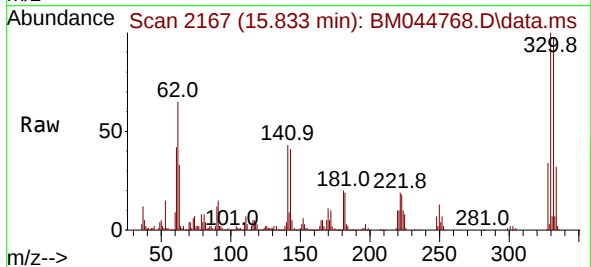
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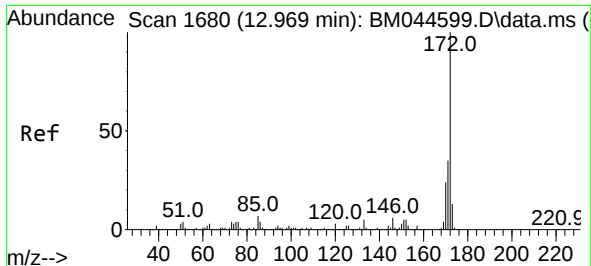
Tgt Ion:164 Resp: 396828
Ion Ratio Lower Upper
164 100
162 98.6 79.3 118.9
160 43.4 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 89.568 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:330 Resp: 392028
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 41.6 33.4 50.0

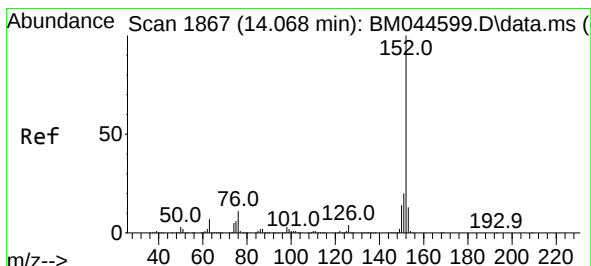
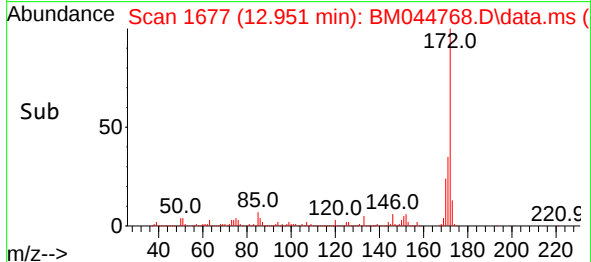
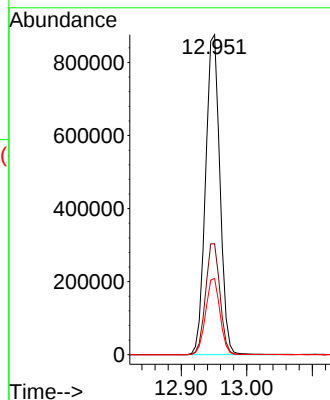
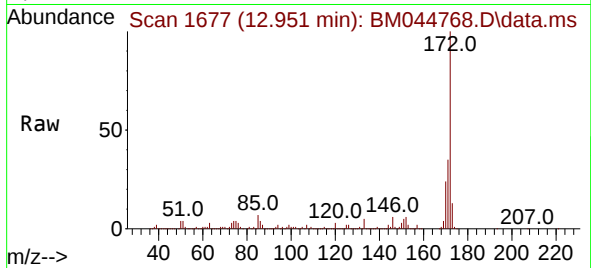




#45
2-Fluorobiphenyl
Concen: 46.494 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

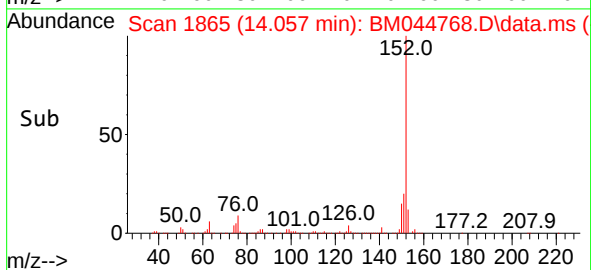
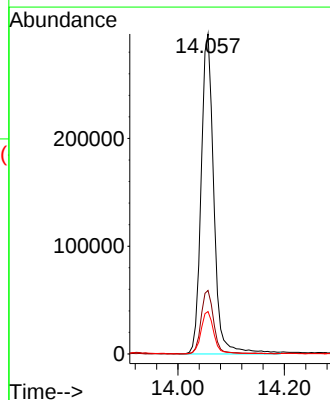
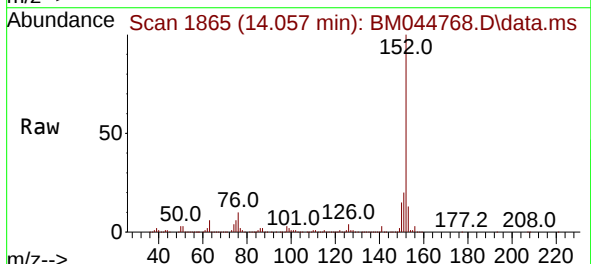
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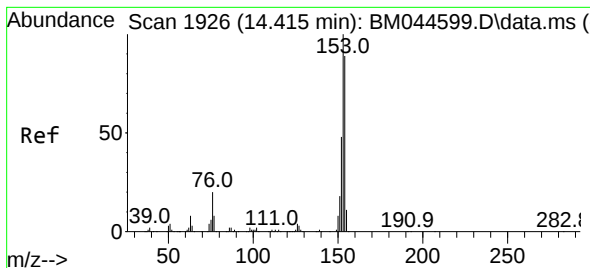
Tgt Ion:172 Resp: 1339682
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.8 19.0 28.6



#49
Acenaphthylene
Concen: 13.191 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:152 Resp: 493185
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.3 10.6 15.8





#52

Acenaphthene

Concen: 4.685 ng

RT: 14.398 min Scan# 1923

Delta R.T. -0.018 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

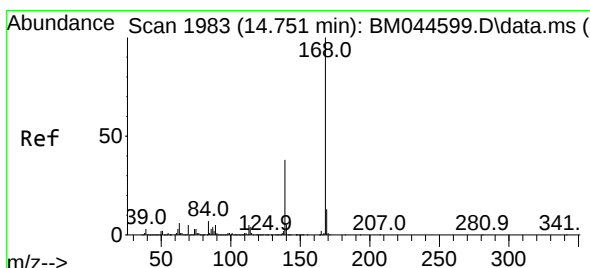
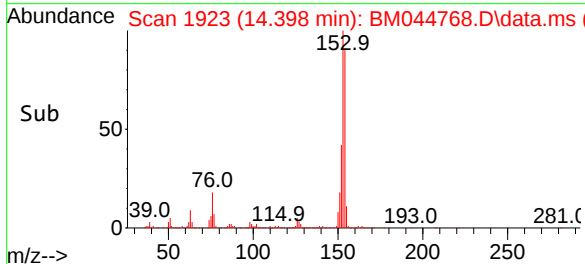
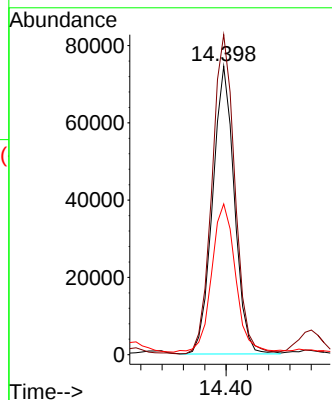
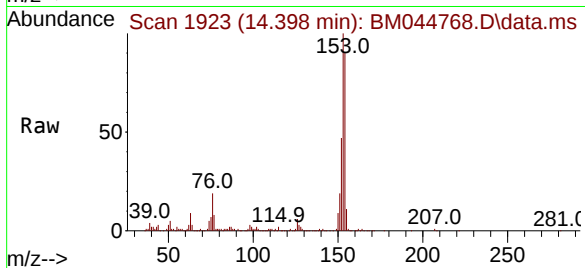
Tgt Ion:154 Resp: 105877

Ion Ratio Lower Upper

154 100

153 110.9 90.3 135.5

152 52.2 43.1 64.7



#55

Dibenzofuran

Concen: 3.853 ng

RT: 14.739 min Scan# 1981

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

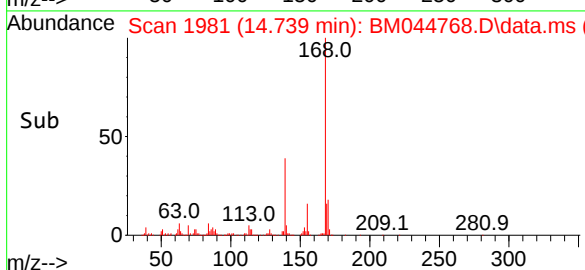
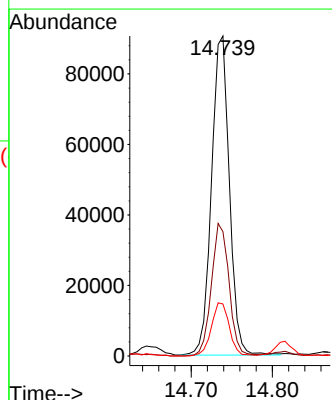
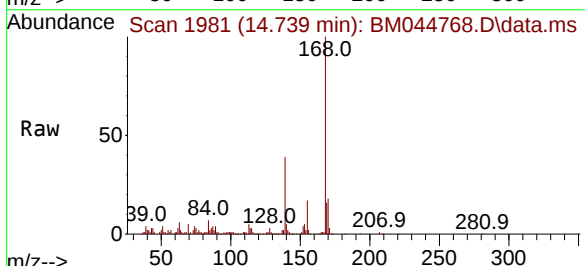
Tgt Ion:168 Resp: 138219

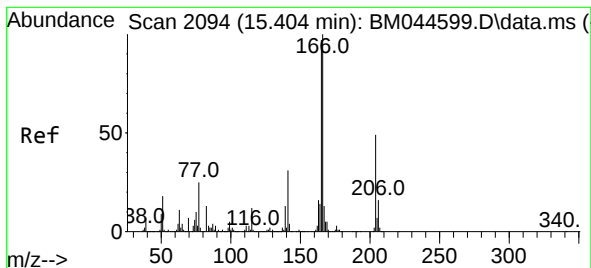
Ion Ratio Lower Upper

168 100

139 38.9 30.6 46.0

169 16.3 10.6 16.0#





#58

Fluorene

Concen: 10.393 ng

RT: 15.386 min Scan# 2094

Delta R.T. -0.018 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

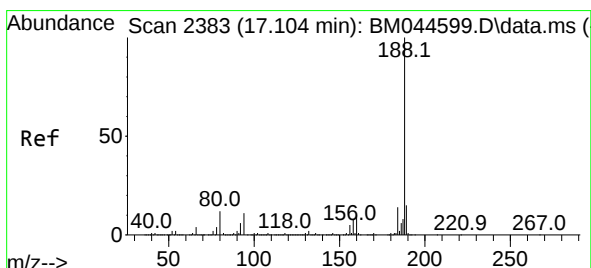
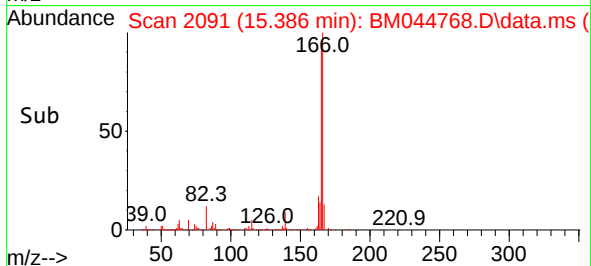
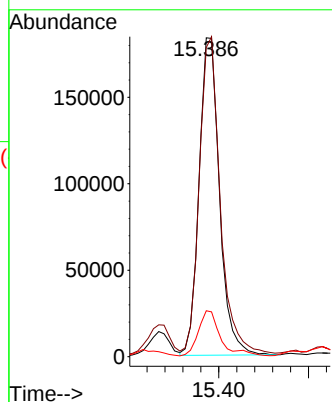
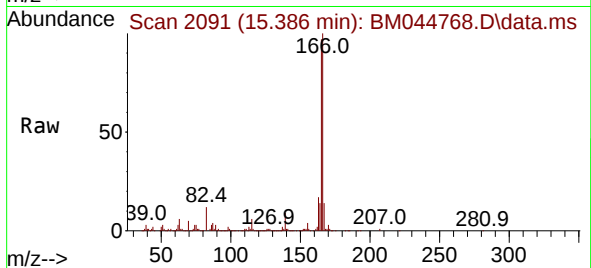
Tgt Ion:166 Resp: 290306

Ion Ratio Lower Upper

166 100

165 96.9 77.7 116.5

167 14.4 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2381

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

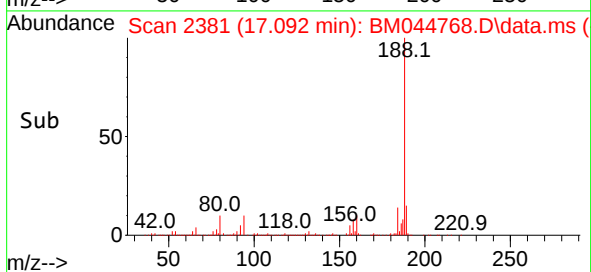
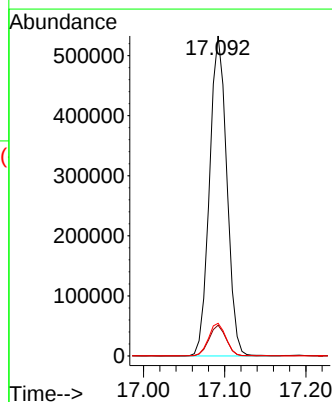
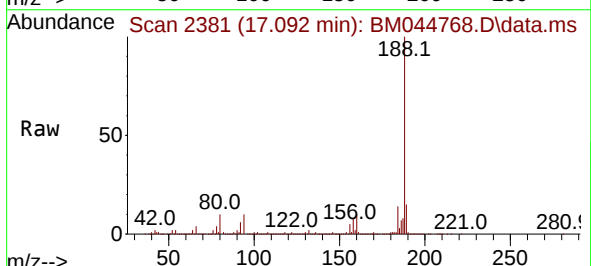
Tgt Ion:188 Resp: 789100

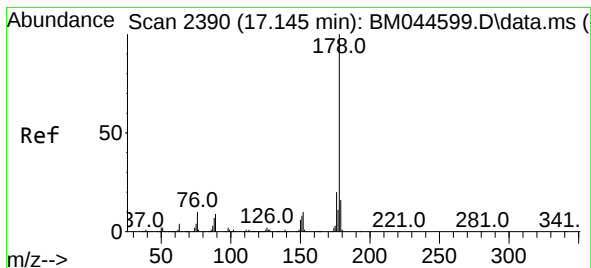
Ion Ratio Lower Upper

188 100

94 9.6 8.4 12.6

80 10.2 9.4 14.0





#71

Phenanthrene

Concen: 74.019 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

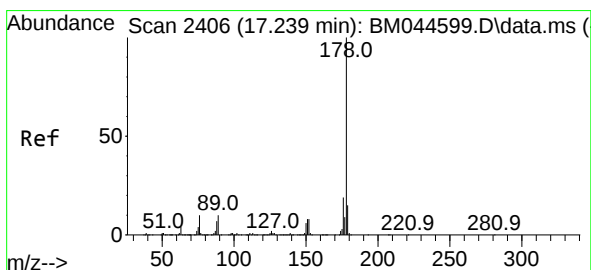
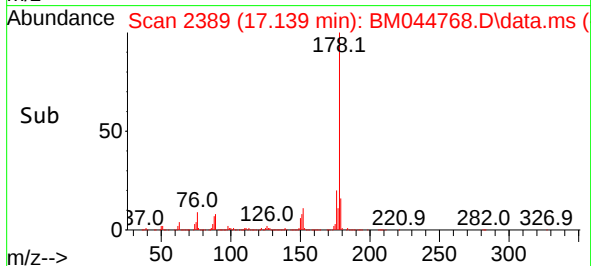
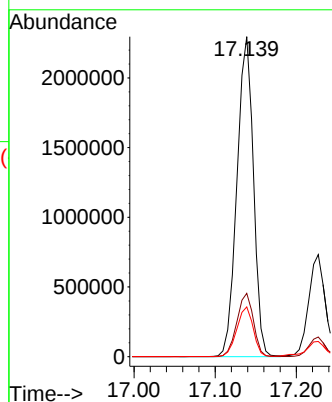
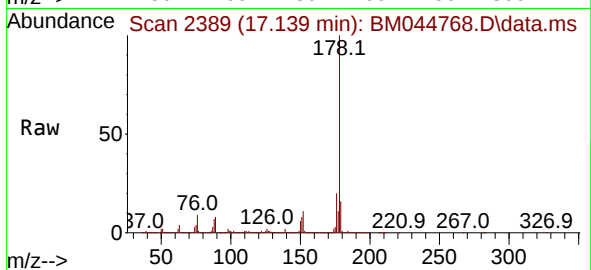
Tgt Ion:178 Resp: 3227772

Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

179 15.5 12.4 18.6



#72

Anthracene

Concen: 23.198 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

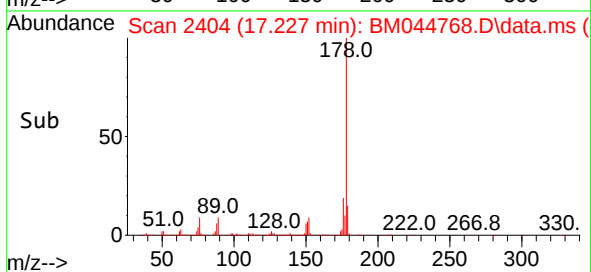
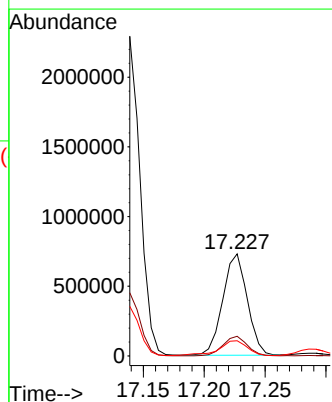
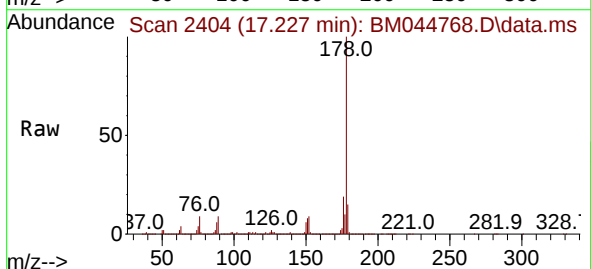
Tgt Ion:178 Resp: 1014603

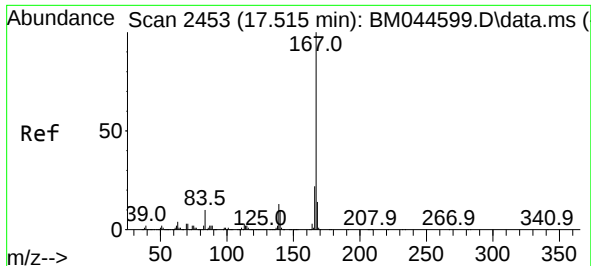
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.0 12.2 18.4

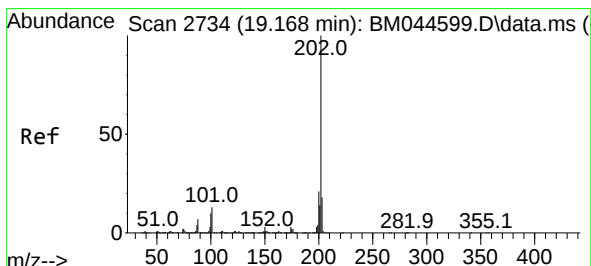
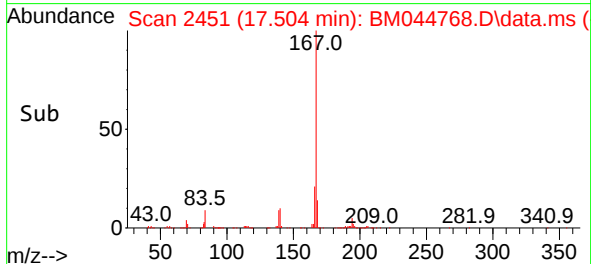
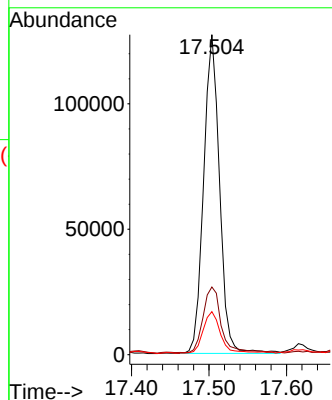
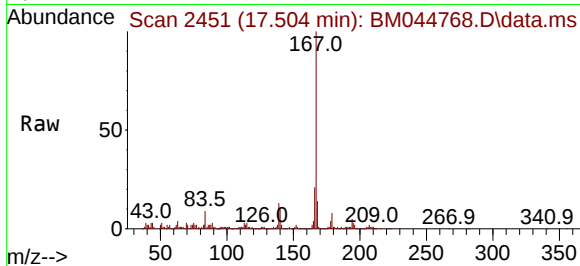




#73
 Carbazole
 Concen: 4.406 ng
 RT: 17.504 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

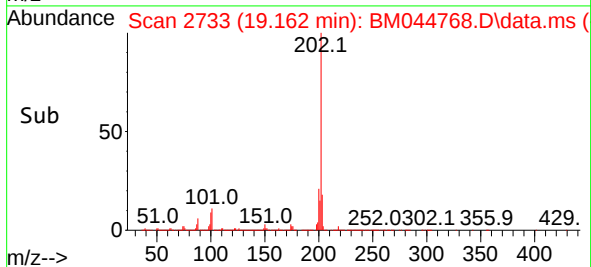
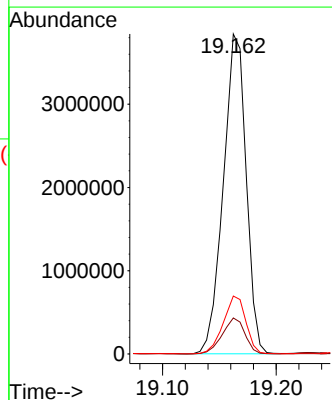
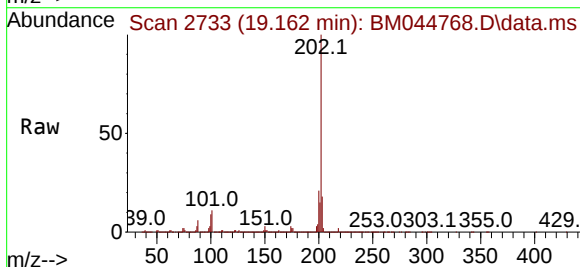
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

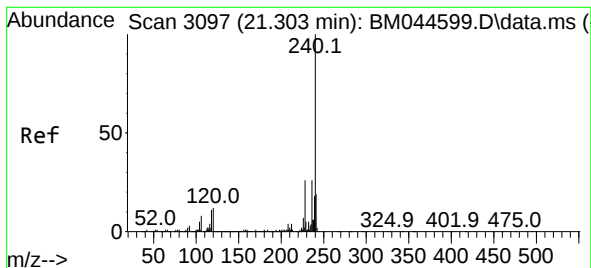
Tgt Ion:167 Resp: 181497
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 13.4 10.6 15.8



#75
 Fluoranthene
 Concen: 110.202 ng
 RT: 19.162 min Scan# 2733
 Delta R.T. -0.006 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

Tgt Ion:202 Resp: 5371974
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.3
 203 18.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.292 min Scan# 3095

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

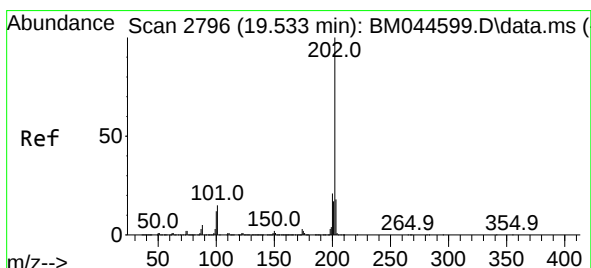
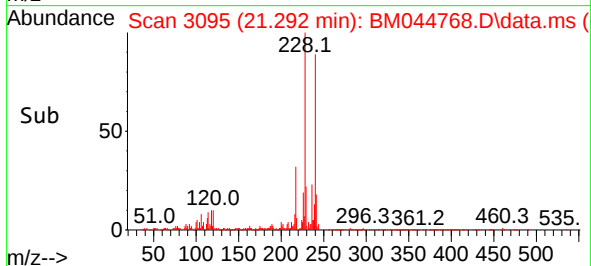
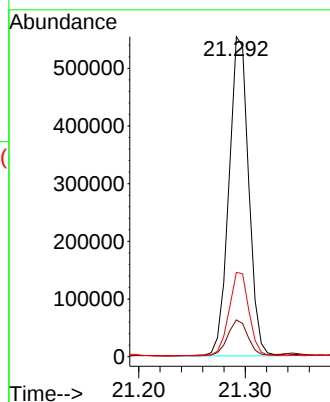
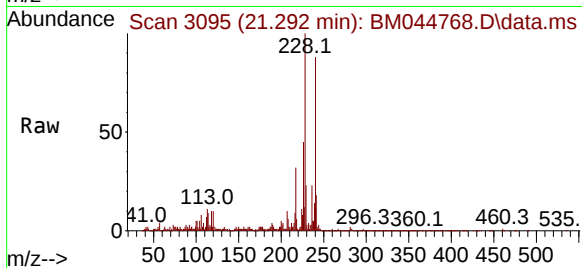
Tgt Ion:240 Resp: 713553

Ion Ratio Lower Upper

240 100

120 11.5 9.7 14.5

236 26.4 21.0 31.4



#78

Pyrene

Concen: 90.273 ng

RT: 19.527 min Scan# 2795

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

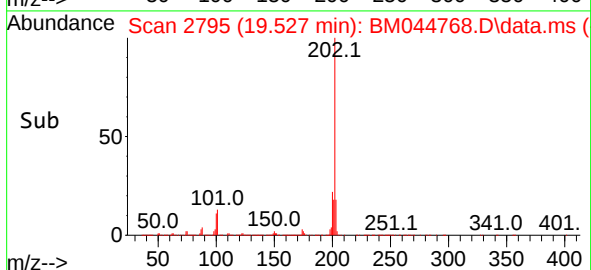
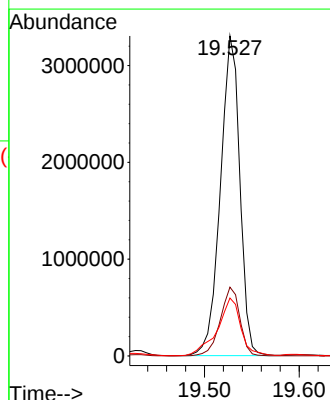
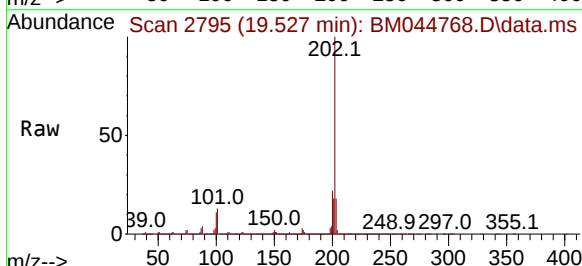
Tgt Ion:202 Resp: 4721067

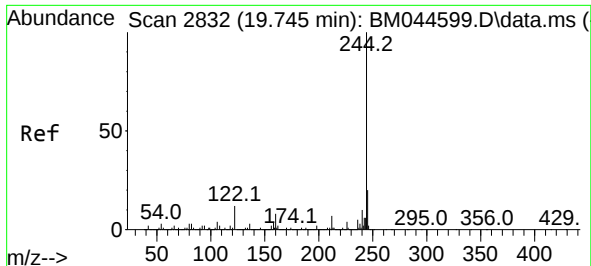
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 18.1 14.1 21.1

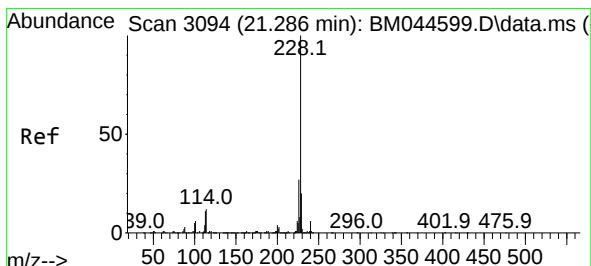
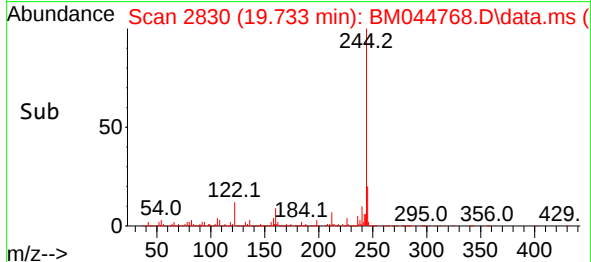
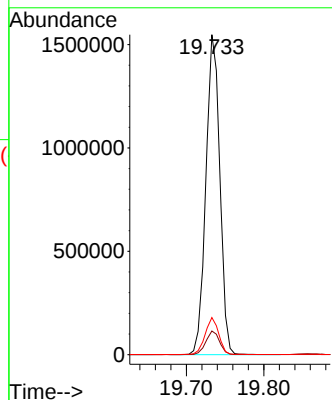
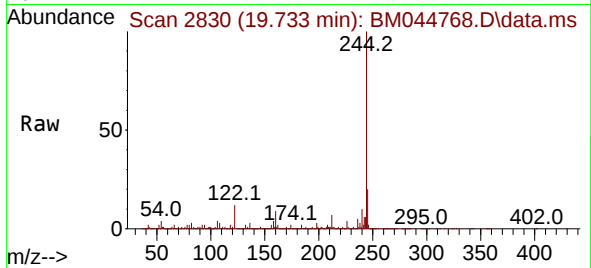




#79
 Terphenyl-d14
 Concen: 47.364 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

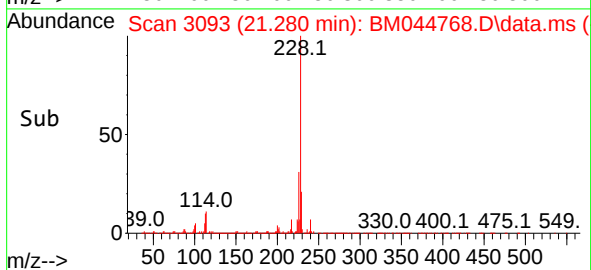
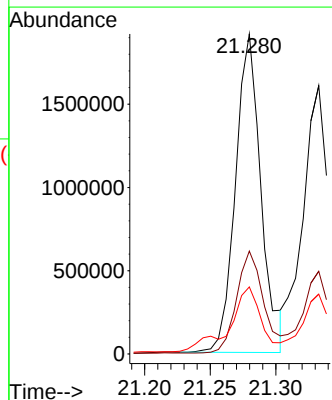
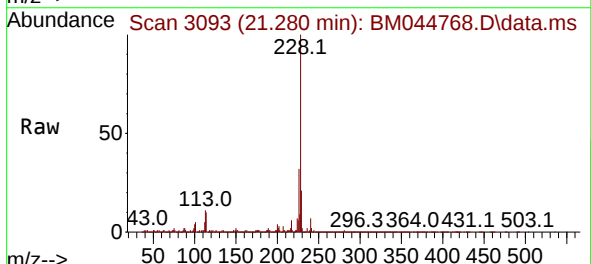
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

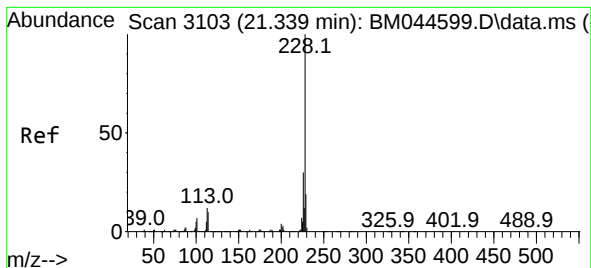
Tgt Ion:244 Resp: 1931968
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 11.6 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 52.074 ng
 RT: 21.280 min Scan# 3093
 Delta R.T. -0.006 min
 Lab File: BM044768.D
 Acq: 26 Mar 2024 14:47

Tgt Ion:228 Resp: 2585402
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.9 32.9
 229 21.0 15.9 23.9





#83

Chrysene

Concen: 45.738 ng

RT: 21.333 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

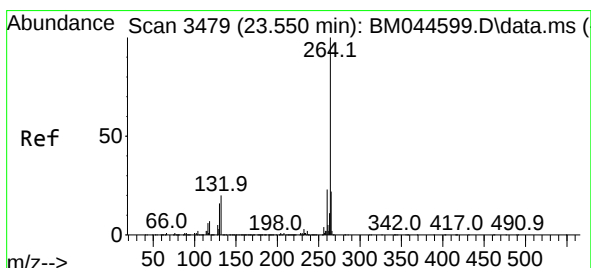
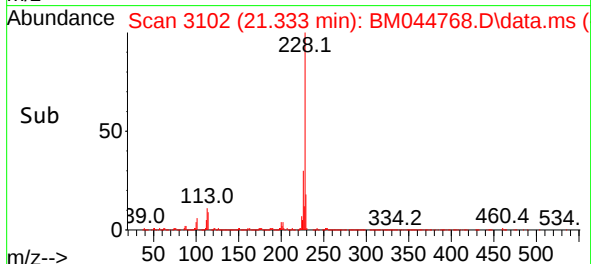
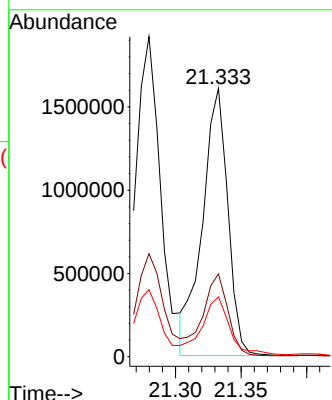
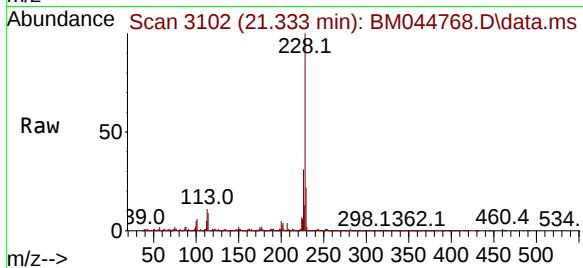
Tgt Ion:228 Resp: 2169917

Ion Ratio Lower Upper

228 100

226 30.8 23.6 35.4

229 22.3 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.544 min Scan# 3478

Delta R.T. -0.006 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

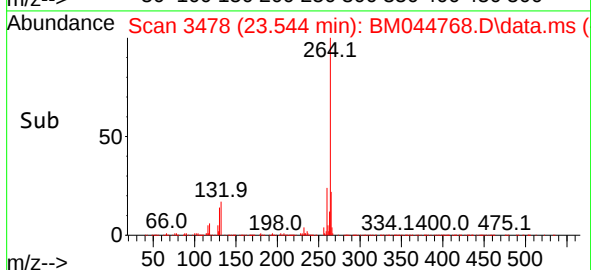
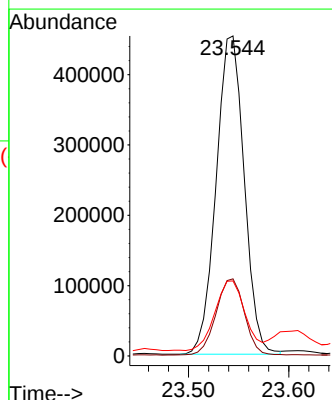
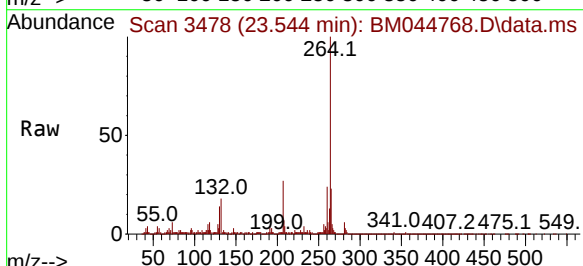
Tgt Ion:264 Resp: 879150

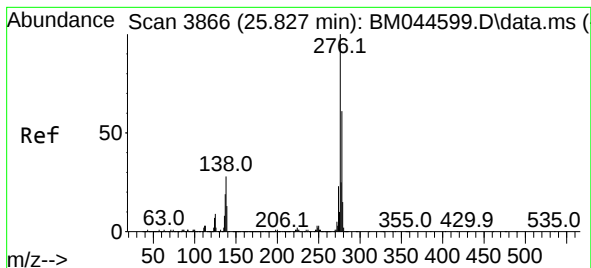
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 23.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.398 ng

RT: 25.815 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

Instrument :

BNA_M

ClientSampleId :

VNJ-235

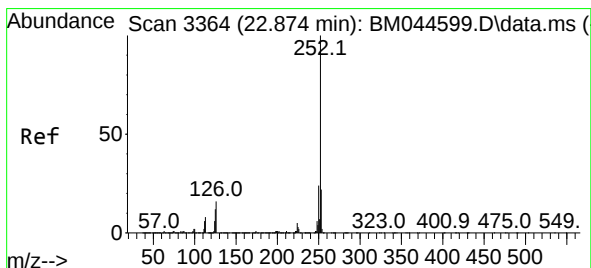
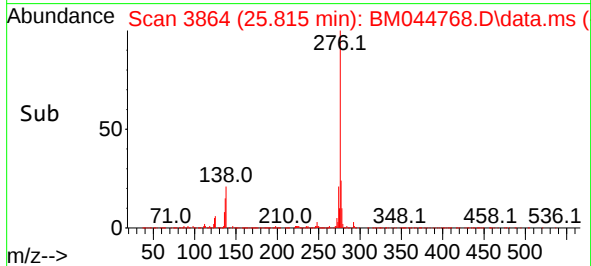
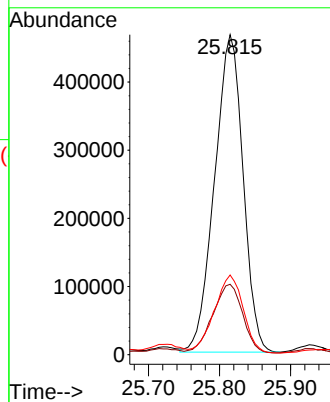
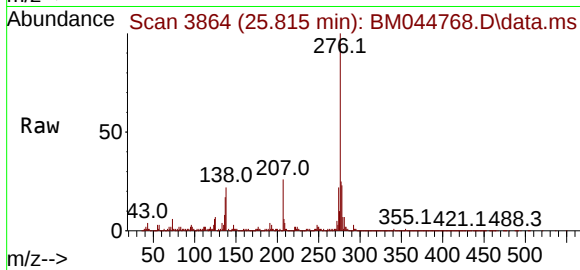
Tgt Ion:276 Resp: 1296360

Ion Ratio Lower Upper

276 100

138 22.8 23.6 35.4#

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 55.139 ng

RT: 22.874 min Scan# 3364

Delta R.T. 0.000 min

Lab File: BM044768.D

Acq: 26 Mar 2024 14:47

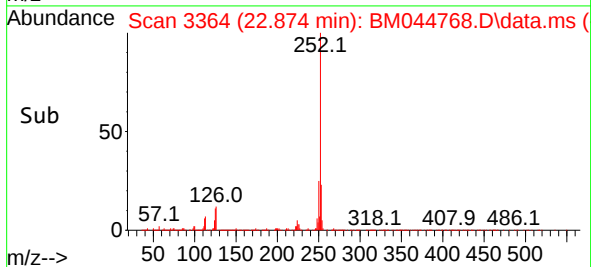
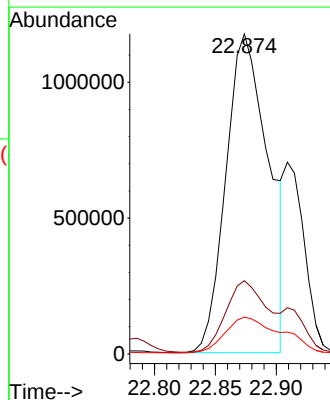
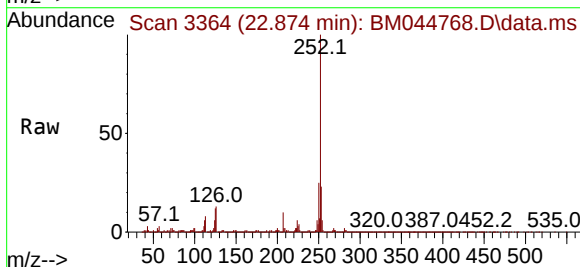
Tgt Ion:252 Resp: 2848769

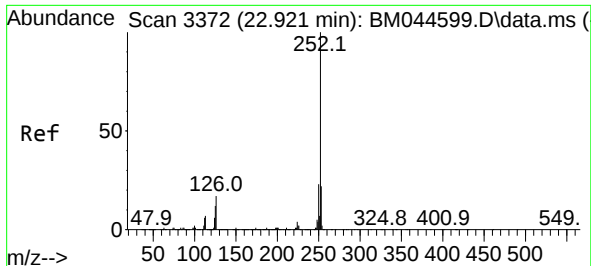
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.5 9.6 14.4

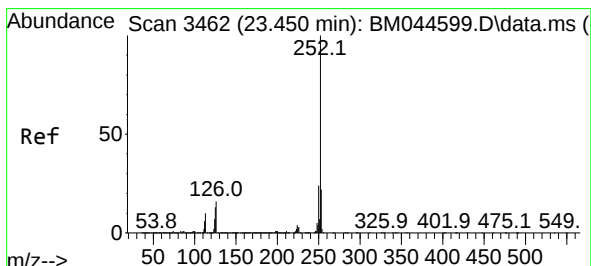
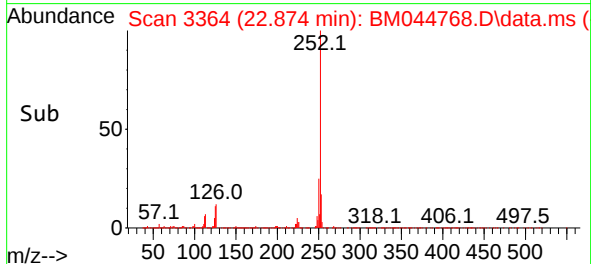
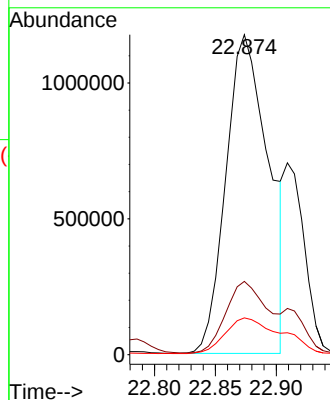
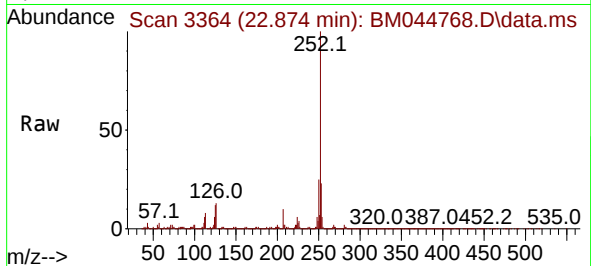




#89
Benzo(k)fluoranthene
Concen: 53.636 ng
RT: 22.874 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

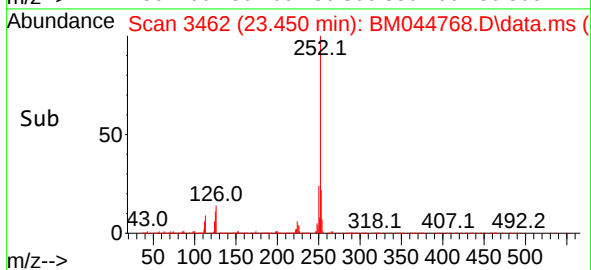
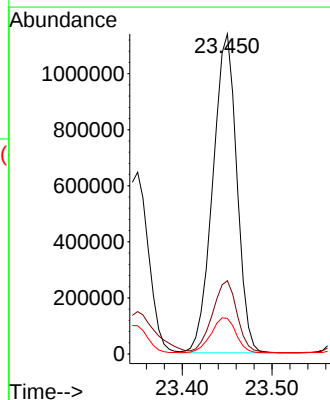
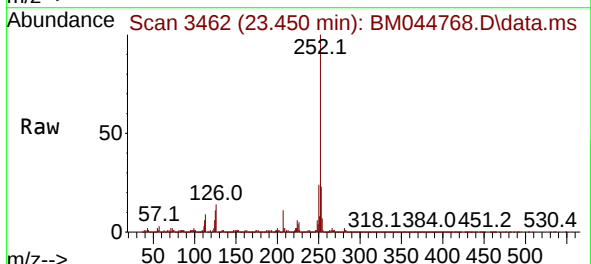
Instrument :
BNA_M
ClientSampleId :
VNJ-235

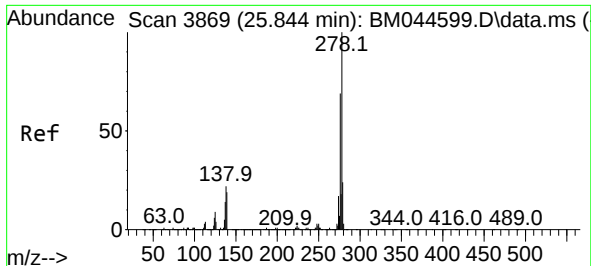
Tgt Ion:252 Resp: 2848769
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.5 9.4 14.0



#90
Benzo(a)pyrene
Concen: 41.924 ng
RT: 23.450 min Scan# 3462
Delta R.T. 0.000 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:252 Resp: 2112673
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.1 10.5 15.7

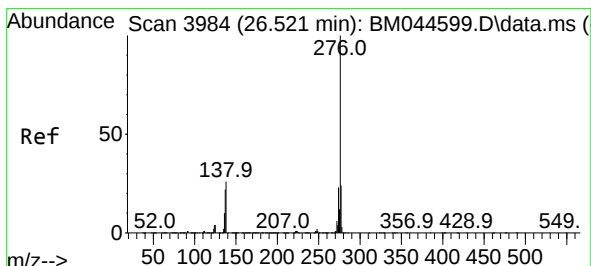
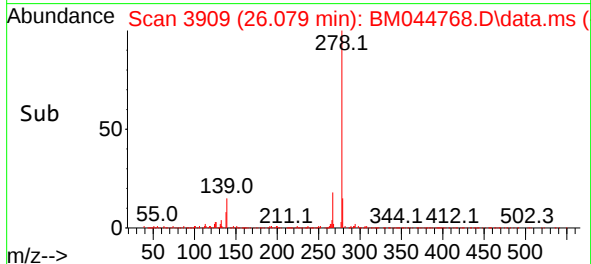
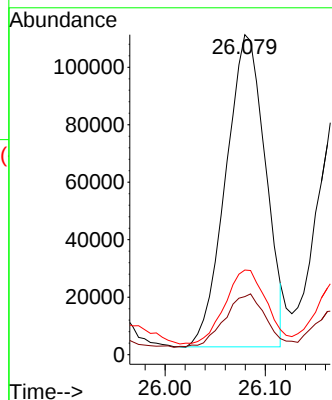
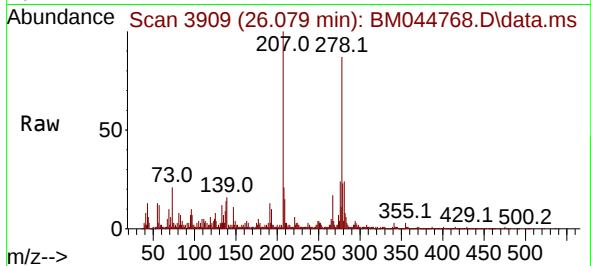




#91
Dibenzo(a,h)anthracene
Concen: 5.558 ng
RT: 26.079 min Scan# 3909
Delta R.T. 0.235 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:278 Resp: 297796
Ion Ratio Lower Upper
278 100
139 18.2 15.0 22.6
279 26.4 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 22.297 ng
RT: 26.509 min Scan# 3982
Delta R.T. -0.012 min
Lab File: BM044768.D
Acq: 26 Mar 2024 14:47

Tgt Ion:276 Resp: 1176021
Ion Ratio Lower Upper
276 100
277 23.9 19.3 28.9
138 23.5 20.7 31.1

