

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138803.D
 Acq On : 06 Aug 2024 00:44
 Operator : RC/JU
 Sample : P3362-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Quant Time: Aug 06 01:47:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

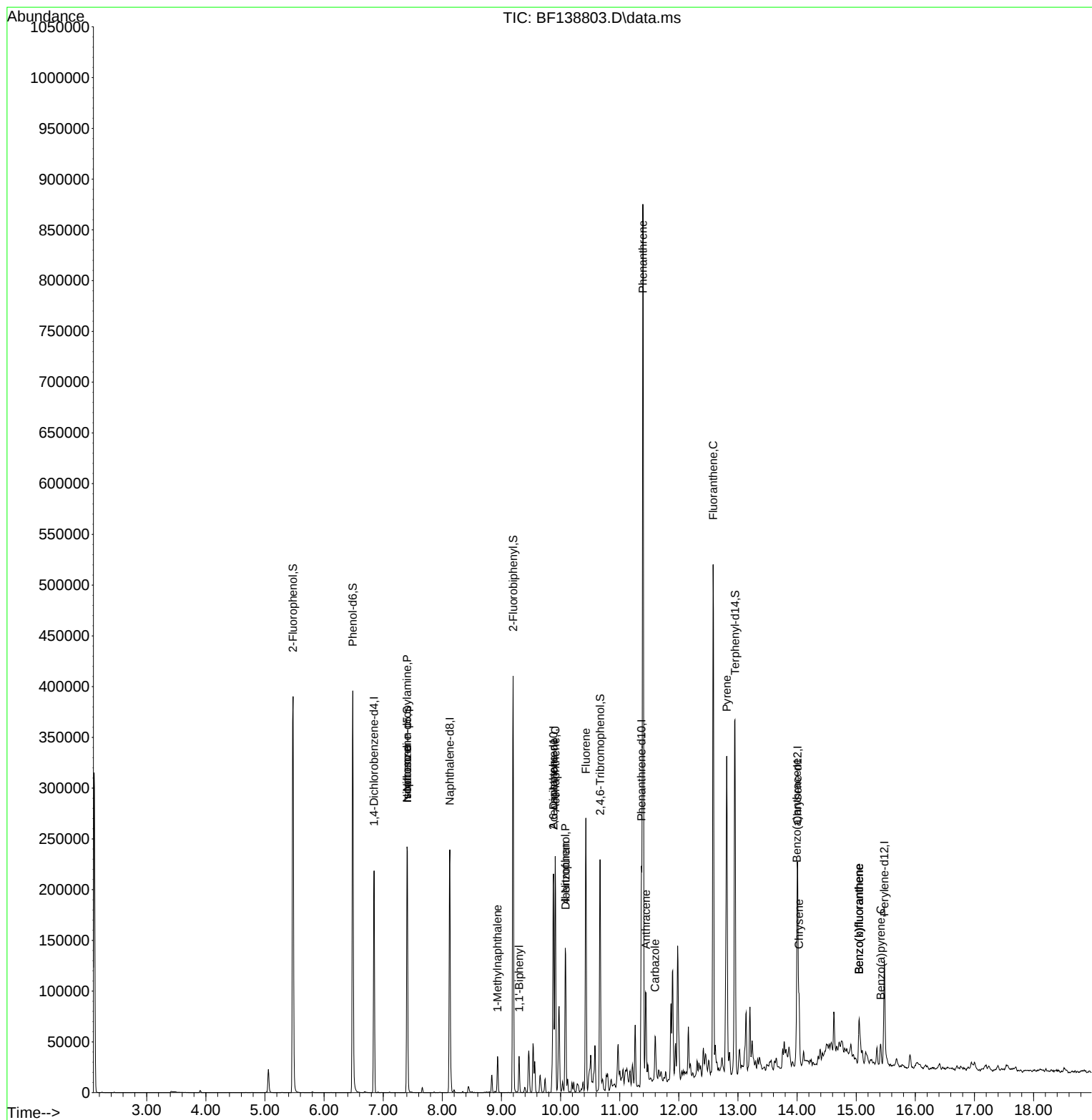
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	41693	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	145143	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	62909	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	104757	20.000	ng	0.00
76) Chrysene-d12	14.010	240	64658	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	55578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	134614	49.840	ng	0.00
7) Phenol-d6	6.487	99	170103	46.908	ng	0.00
23) Nitrobenzene-d5	7.404	82	104844	35.317	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	25808	50.083	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	169564	40.498	ng	0.00
79) Terphenyl-d14	12.951	244	166238	43.046	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	13457	6.144	ng	# 80
25) Isophorone	7.404	82	103568	20.431	ng	# 66
38) 1-Methylnaphthalene	8.933	142	12337	2.609	ng	95
46) 1,1'-Biphenyl	9.298	154	15694	3.185	ng	96
51) 2,6-Dinitrotoluene	9.880	165	10297	11.343	ng	# 19
52) Acenaphthene	9.910	154	67440	19.304	ng	98
55) Dibenzofuran	10.086	168	69959	14.186	ng	99
56) 4-Nitrophenol	10.080	139	28999	51.385	ng	# 2
58) Fluorene	10.427	166	96996	24.699	ng	100
71) Phenanthrene	11.392	178	460854	85.436	ng	99
72) Anthracene	11.445	178	50747	9.550	ng	97
73) Carbazole	11.598	167	21590	4.709	ng	95
75) Fluoranthene	12.580	202	272212	54.056	ng	99
78) Pyrene	12.810	202	175607	28.846	ng	98
81) Benzo(a)anthracene	13.998	228	45006	10.108	ng	99
83) Chrysene	14.033	228	33790	8.412	ng	97
88) Benzo(b)fluoranthene	15.051	252	31755	9.217	ng	99
89) Benzo(k)fluoranthene	15.051	252	31755	10.645	ng	98
90) Benzo(a)pyrene	15.415	252	12107	4.178	ng	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138803.D
Acq On : 06 Aug 2024 00:44
Operator : RC/JU
Sample : P3362-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Quant Time: Aug 06 01:47:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

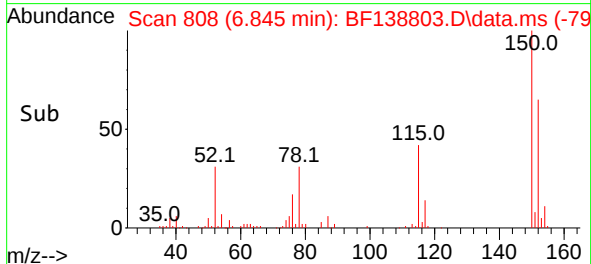
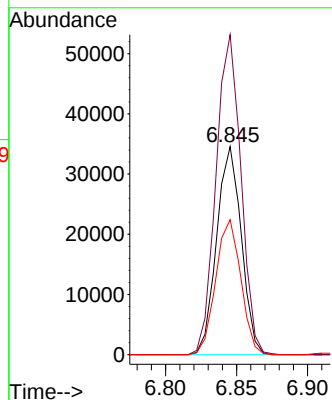
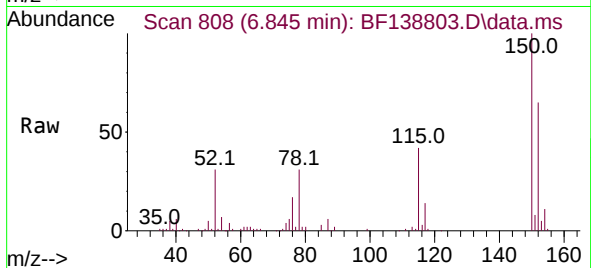




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

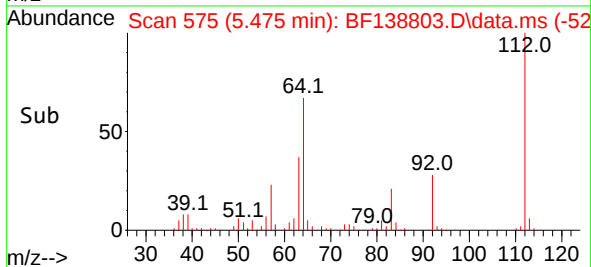
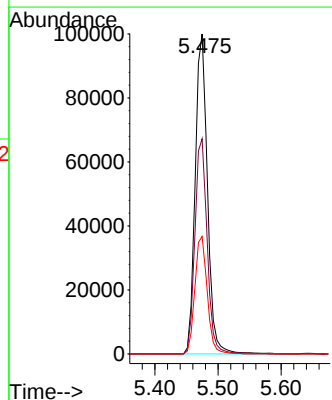
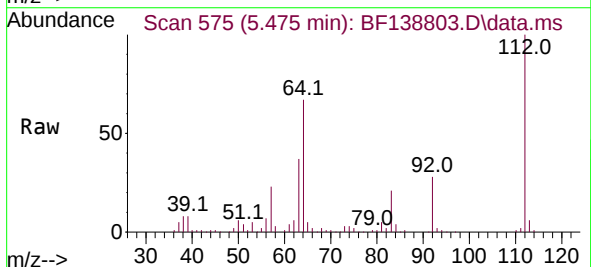
Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tgt Ion:152 Resp: 41693
Ion Ratio Lower Upper
152 100
150 153.7 126.0 189.0
115 64.9 51.7 77.5



#5
2-Fluorophenol
Concen: 49.840 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion:112 Resp: 134614
Ion Ratio Lower Upper
112 100
64 67.3 54.2 81.4
63 36.8 28.7 43.1

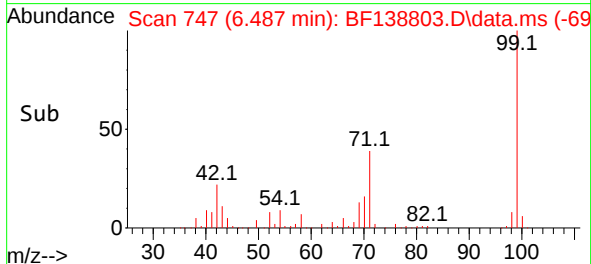
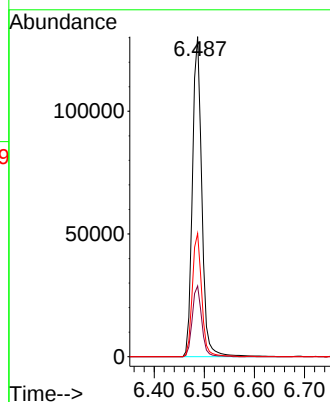
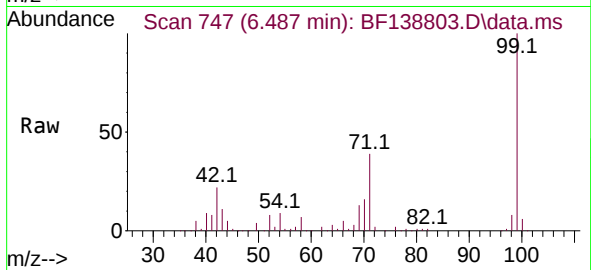




#7
Phenol-d6
Concen: 46.908 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

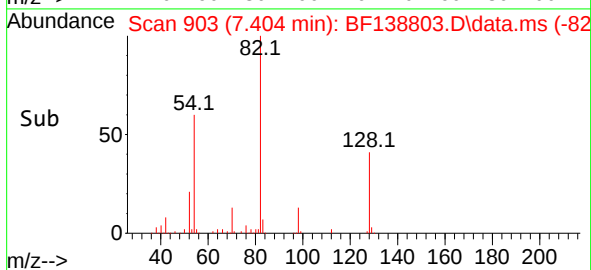
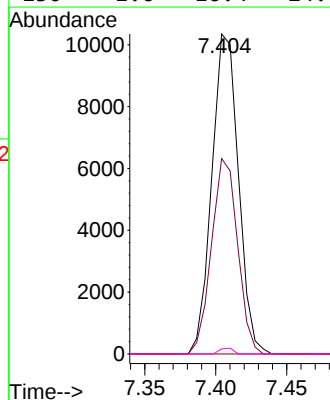
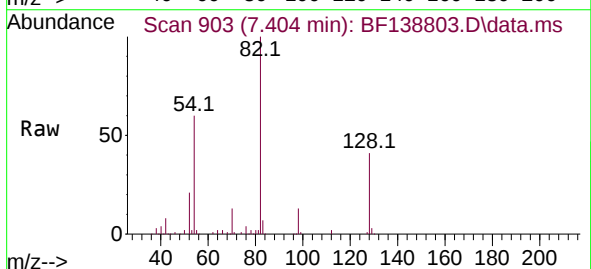
Instrument :
BNA_F
ClientSampleId :
VNJ-220

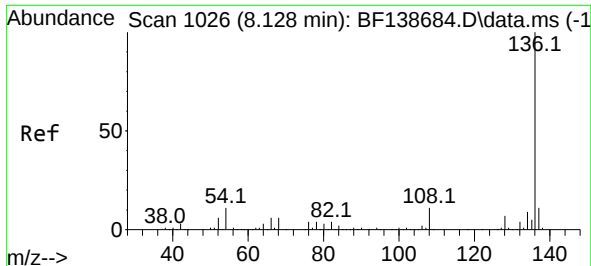
Tgt Ion: 99 Resp: 170103
Ion Ratio Lower Upper
99 100
42 22.1 17.4 26.0
71 38.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 6.144 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion: 70 Resp: 13457
Ion Ratio Lower Upper
70 100
42 61.0 57.4 86.0
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

Tgt Ion:136 Resp: 145143

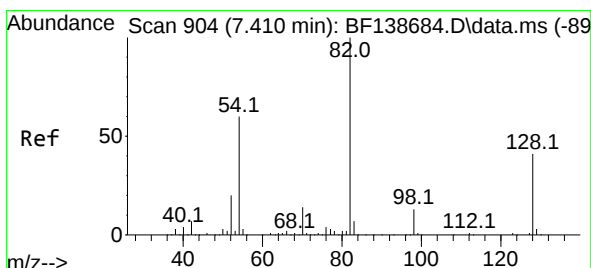
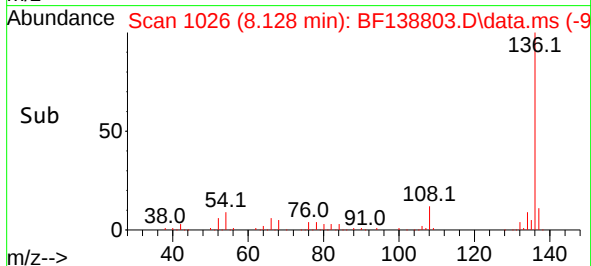
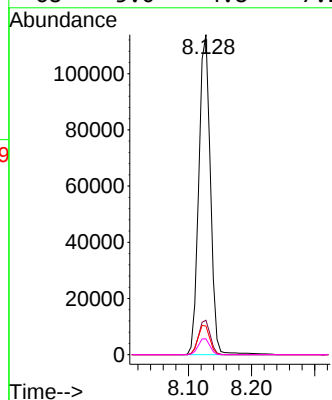
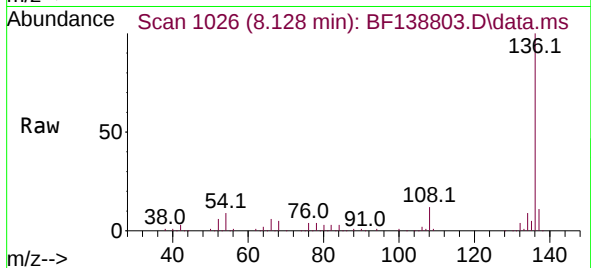
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.0 8.6 12.8

68 5.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 35.317 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

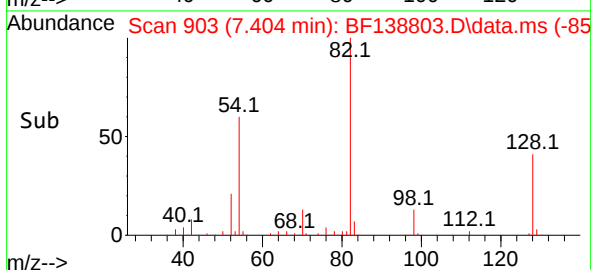
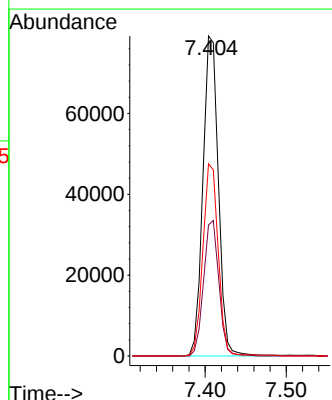
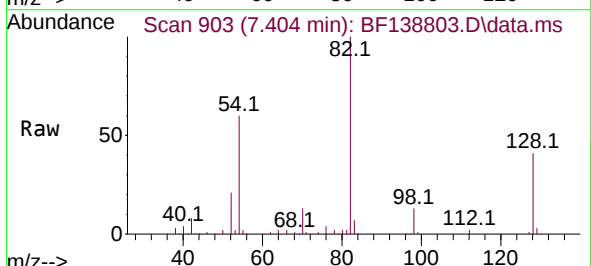
Tgt Ion: 82 Resp: 104844

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 60.0 48.3 72.5

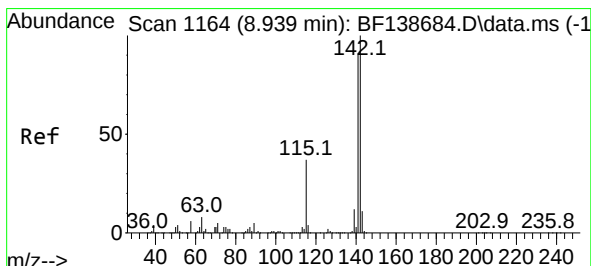
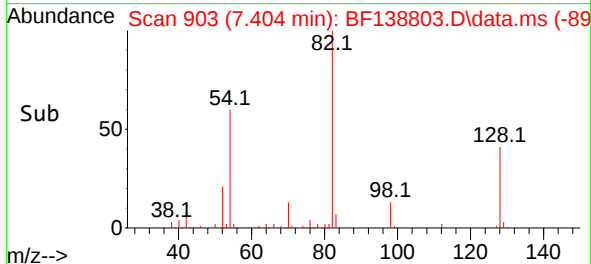
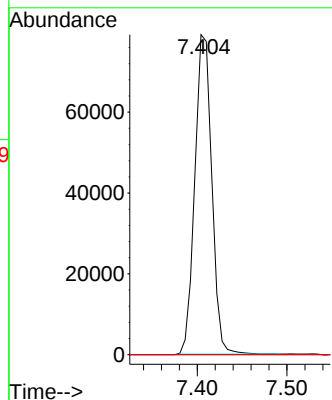
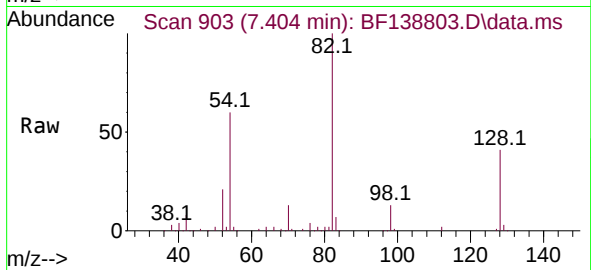




#25
Isophorone
Concen: 20.431 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

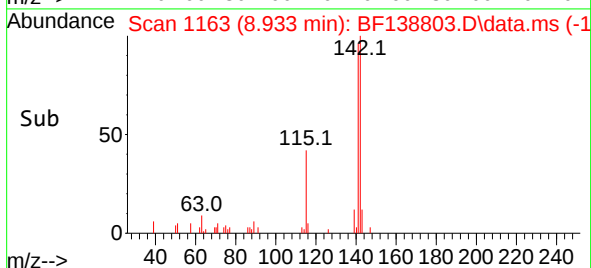
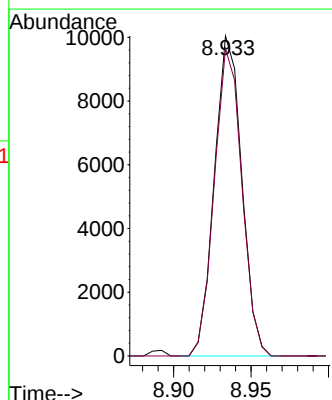
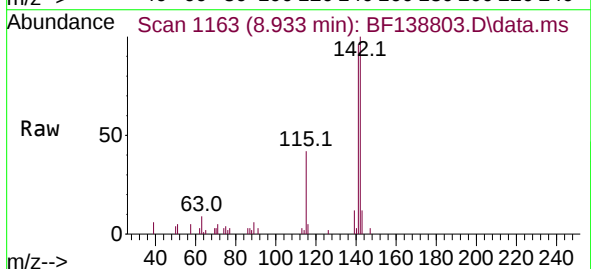
Instrument :
BNA_F
ClientSampleId :
VNJ-220

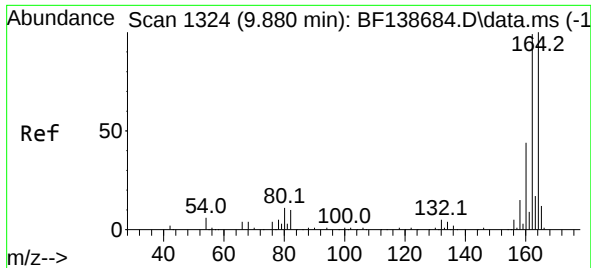
Tgt Ion: 82 Resp: 103568
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#38
1-Methylnaphthalene
Concen: 2.609 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion: 142 Resp: 12337
Ion Ratio Lower Upper
142 100
141 96.1 73.1 109.7

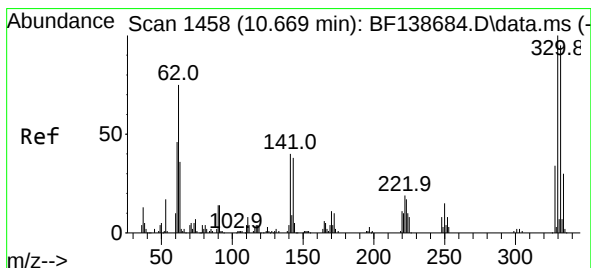
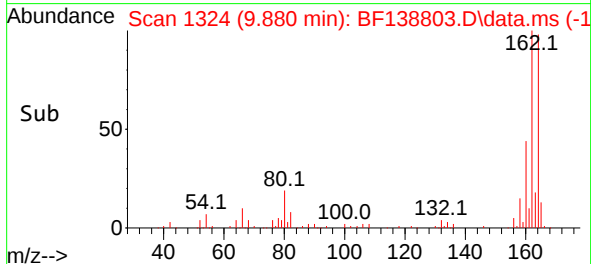
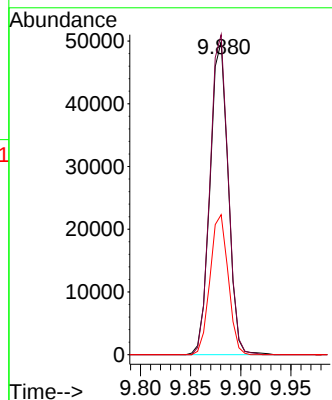
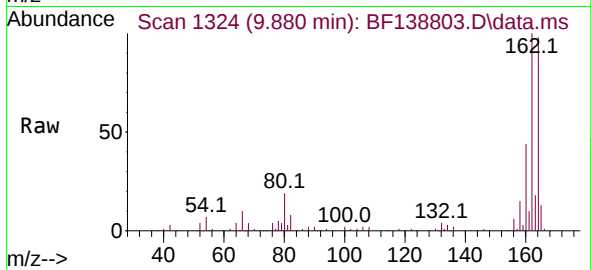




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

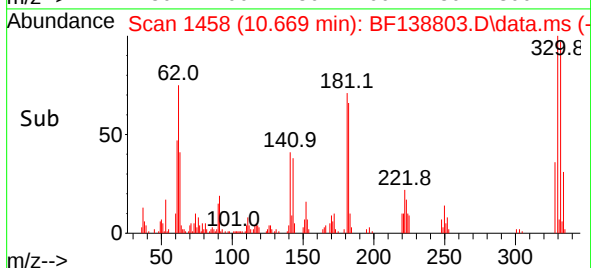
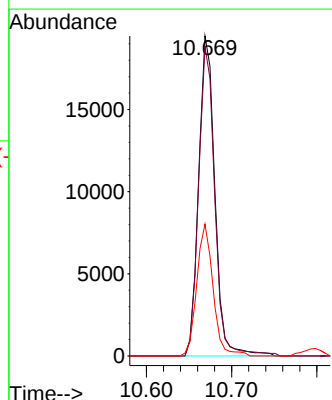
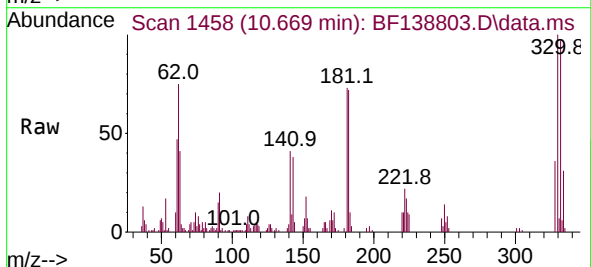
Instrument :
BNA_F
ClientSampleId :
VNJ-220

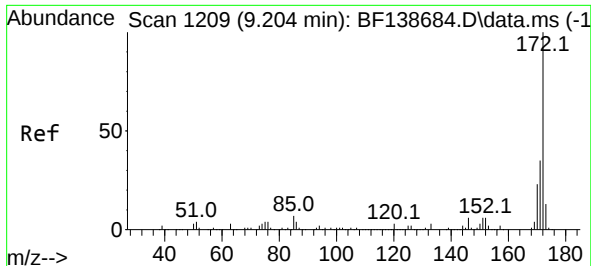
Tgt Ion:164 Resp: 62909
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.0
160 44.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 50.083 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion:330 Resp: 25808
Ion Ratio Lower Upper
330 100
332 96.2 76.4 114.6
141 41.4 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 40.498 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

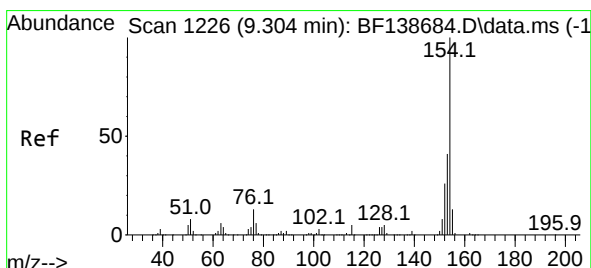
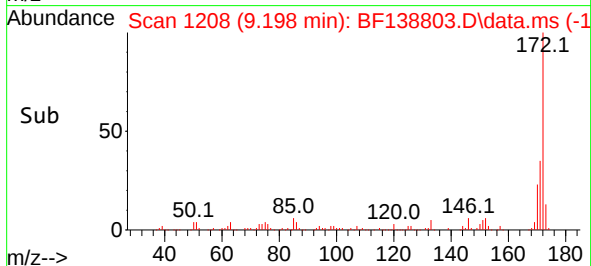
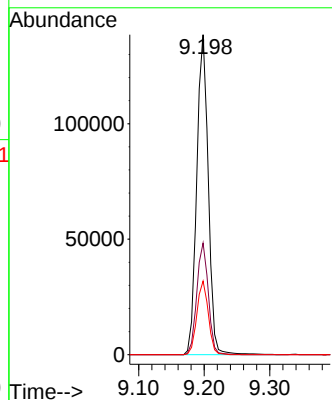
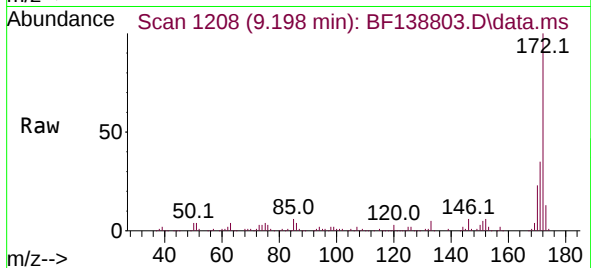
Tgt Ion:172 Resp: 169564

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 3.185 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

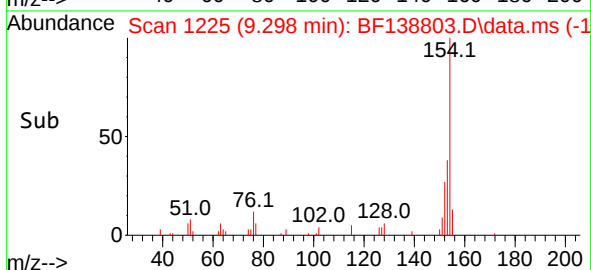
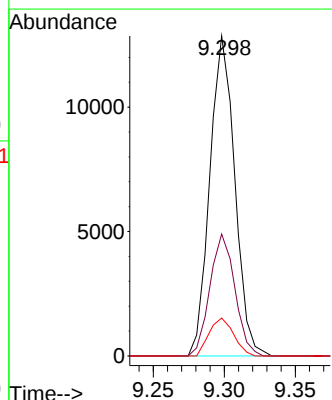
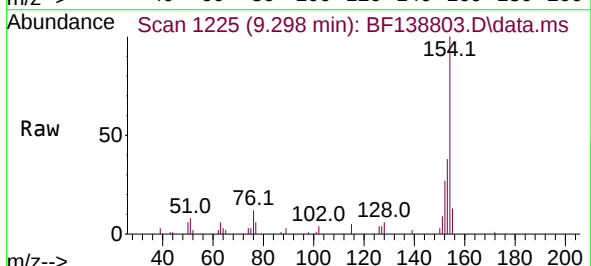
Tgt Ion:154 Resp: 15694

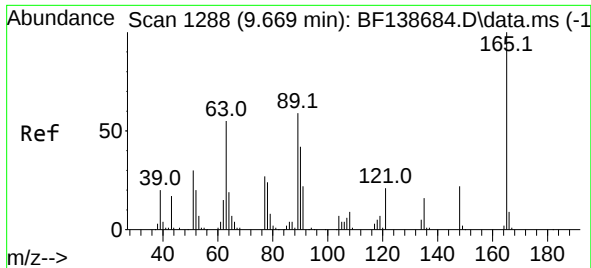
Ion Ratio Lower Upper

154 100

153 38.1 20.8 60.8

76 11.9 0.0 32.8





#51

2,6-Dinitrotoluene

Concen: 11.343 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

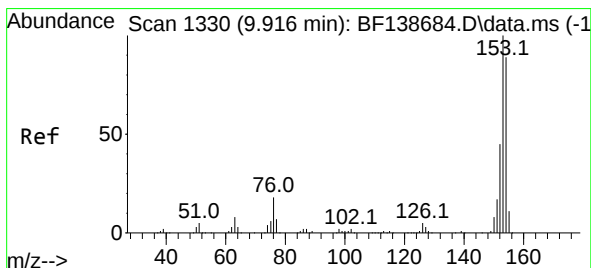
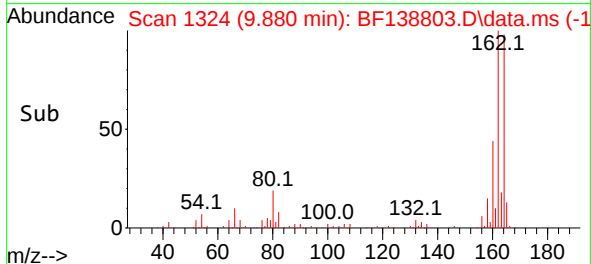
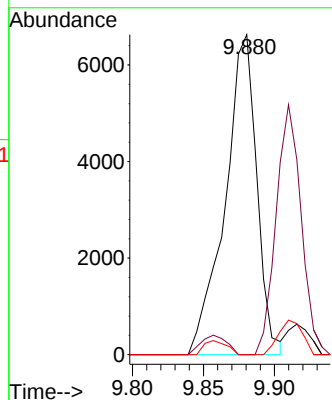
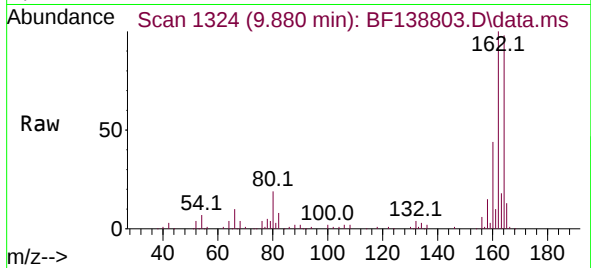
Tgt Ion:165 Resp: 10297

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#52

Acenaphthene

Concen: 19.304 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

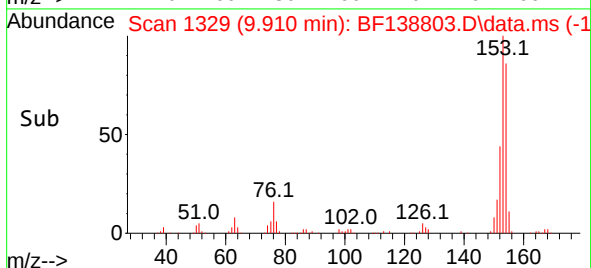
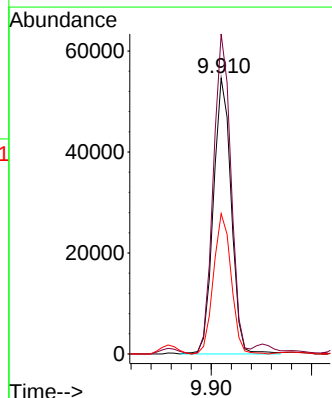
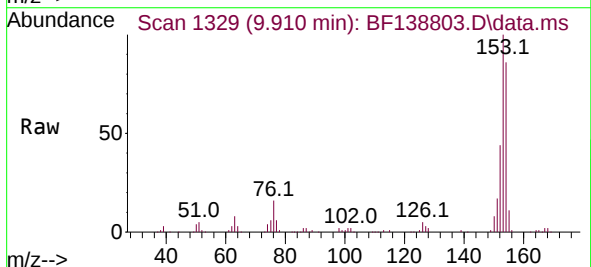
Tgt Ion:154 Resp: 67440

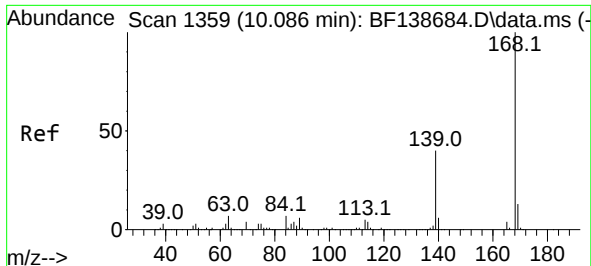
Ion Ratio Lower Upper

154 100

153 116.0 89.9 134.9

152 50.9 40.6 60.8

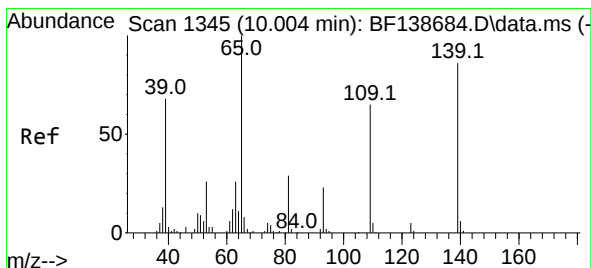
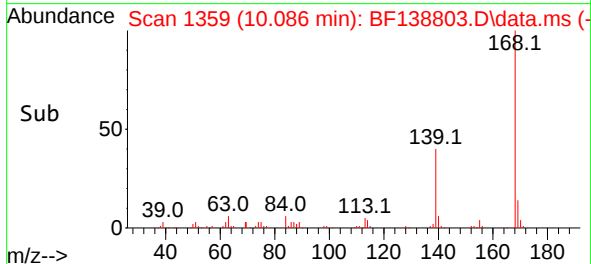
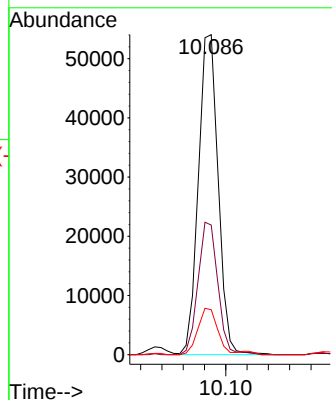
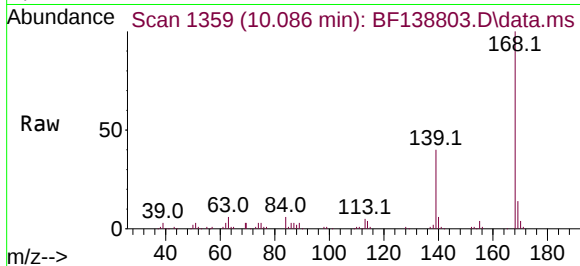




#55
Dibenzofuran
Concen: 14.186 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

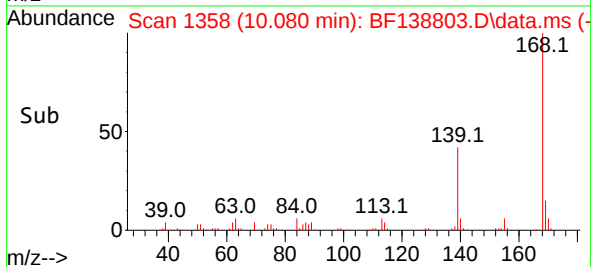
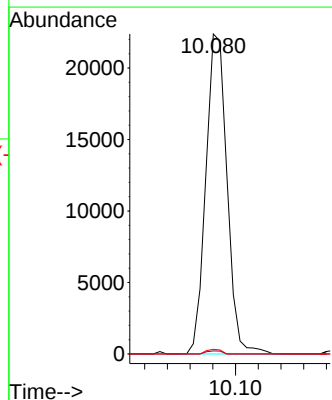
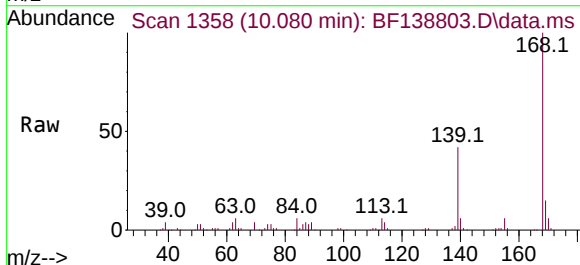
Instrument :
BNA_F
ClientSampleId :
VNJ-220

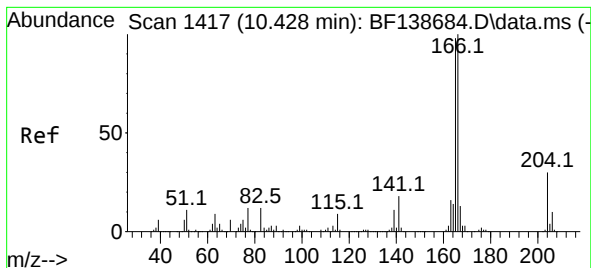
Tgt Ion:168 Resp: 69959
Ion Ratio Lower Upper
168 100
139 40.5 32.6 49.0
169 14.1 10.7 16.1



#56
4-Nitrophenol
Concen: 51.385 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.076 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion:139 Resp: 28999
Ion Ratio Lower Upper
139 100
109 0.9 55.5 95.5#
65 1.4 96.7 136.7#





#58

Fluorene

Concen: 24.699 ng

RT: 10.427 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

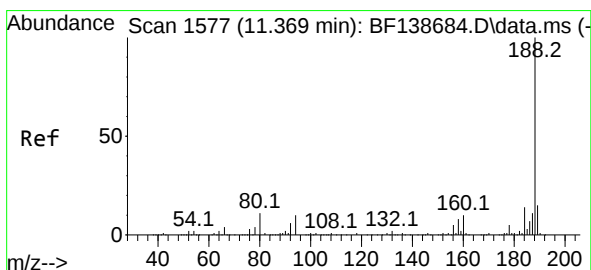
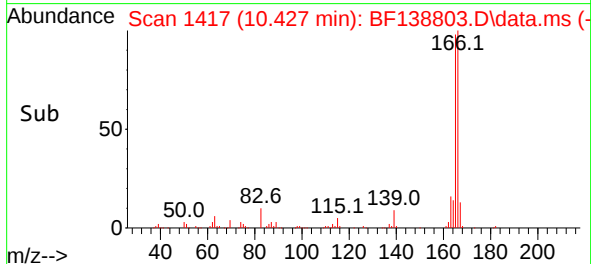
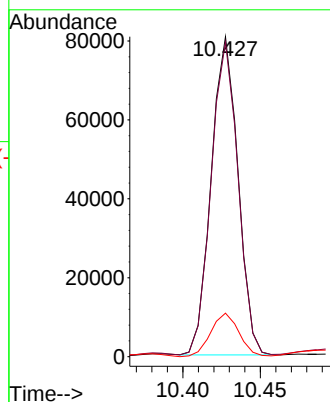
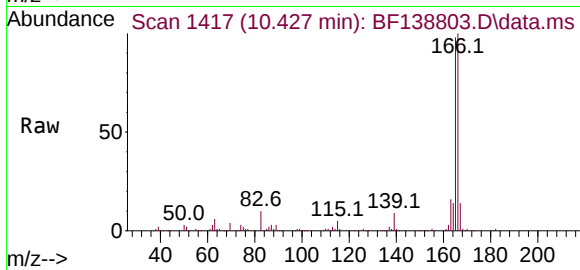
Tgt Ion:166 Resp: 96996

Ion Ratio Lower Upper

166 100

165 98.3 78.4 117.6

167 13.6 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

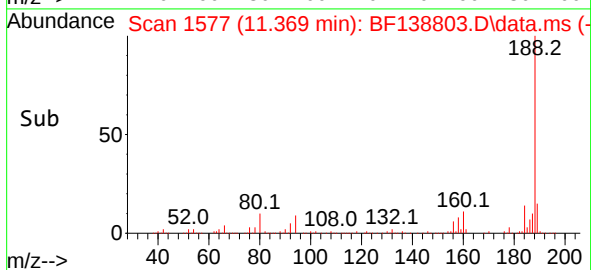
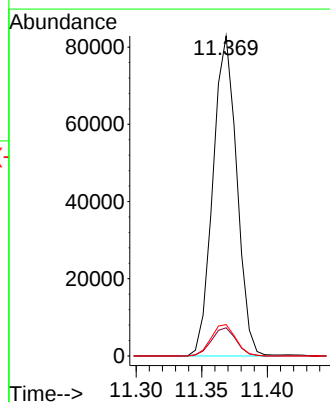
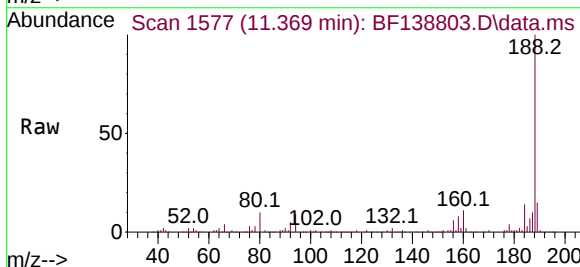
Tgt Ion:188 Resp: 104757

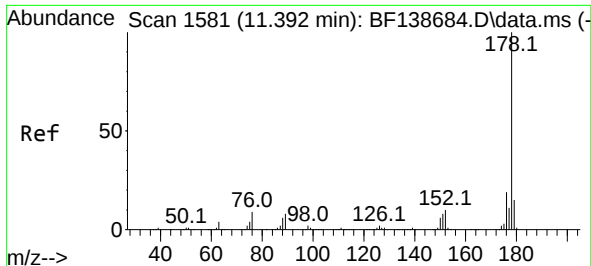
Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.8 8.6 12.8

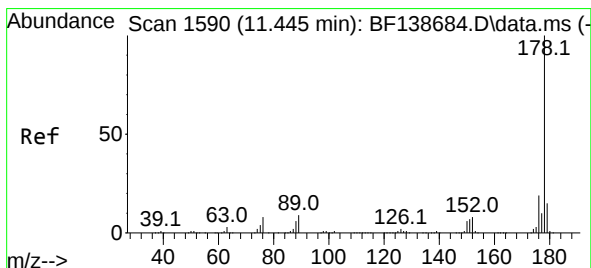
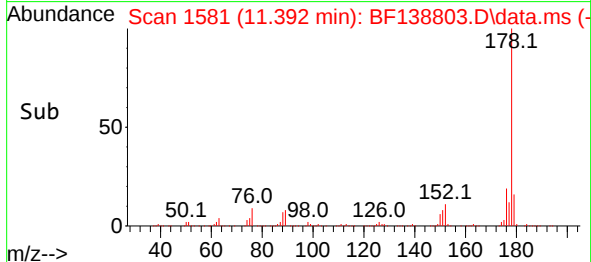
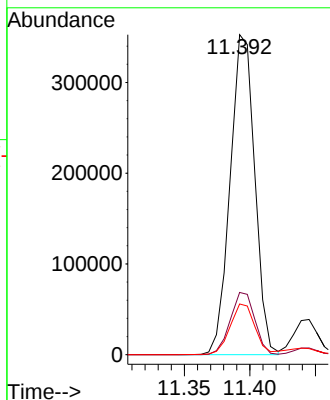
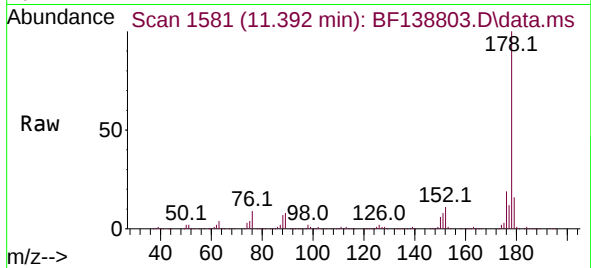




#71
Phenanthrene
Concen: 85.436 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

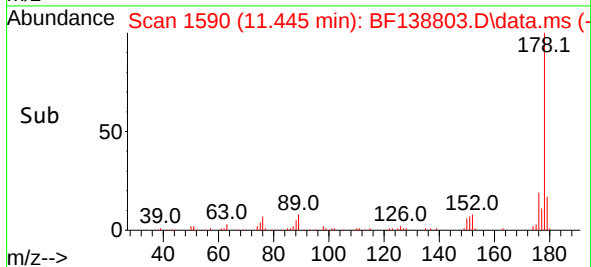
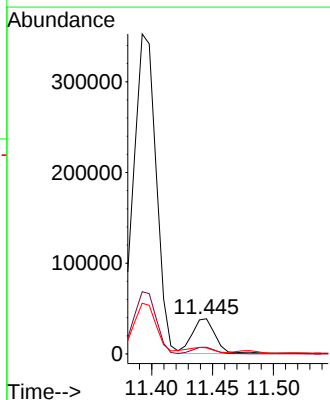
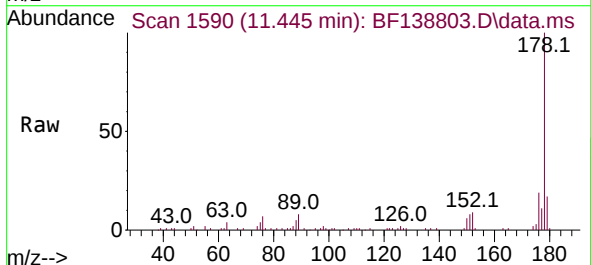
Instrument :
BNA_F
ClientSampleId :
VNJ-220

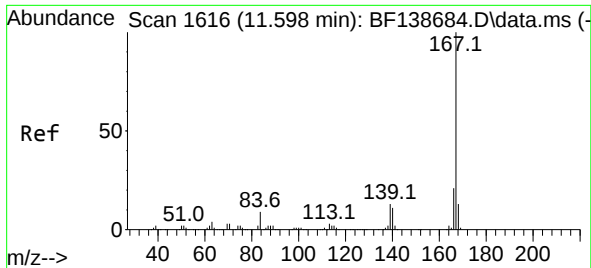
Tgt Ion:178 Resp: 460854
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.9 12.2 18.2



#72
Anthracene
Concen: 9.550 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion:178 Resp: 50747
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 17.2 12.4 18.6

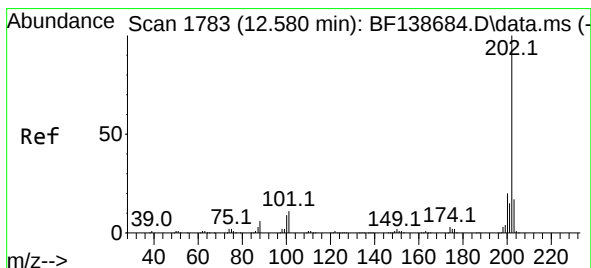
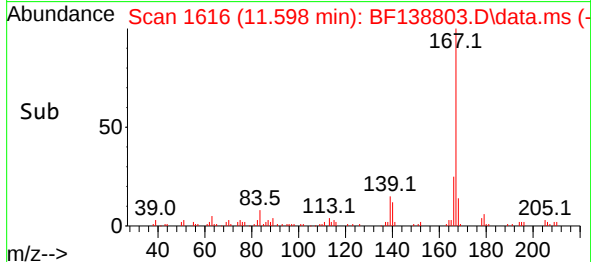
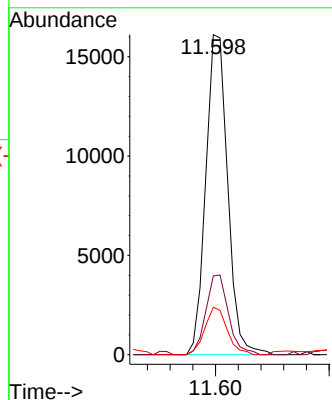
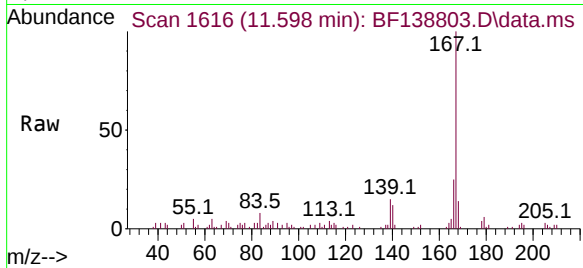




#73
 Carbazole
 Concen: 4.709 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

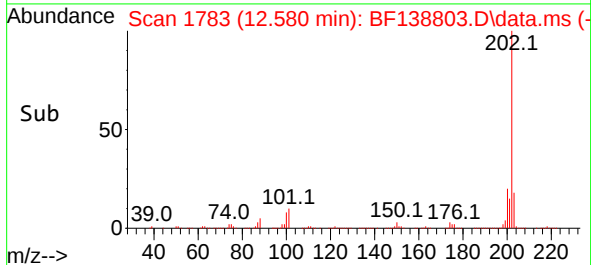
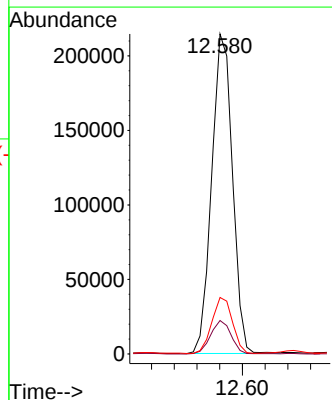
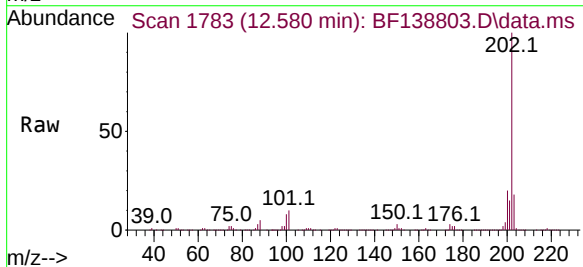
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

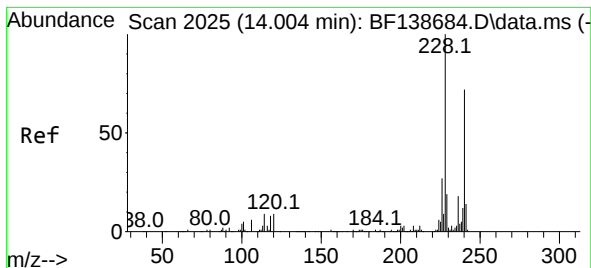
Tgt Ion:167	Resp:	21590
Ion Ratio	Lower	Upper
167	100	
166	24.6	17.2 25.8
139	14.8	10.6 16.0



#75
 Fluoranthene
 Concen: 54.056 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. -0.000 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

Tgt Ion:202	Resp:	272212
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 31.2
203	17.6	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

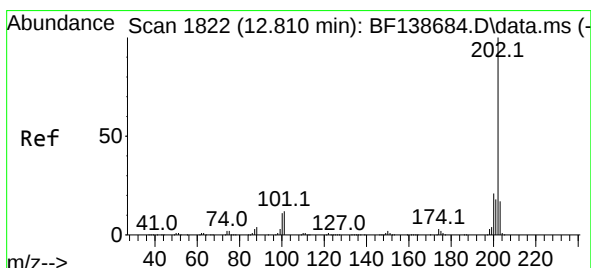
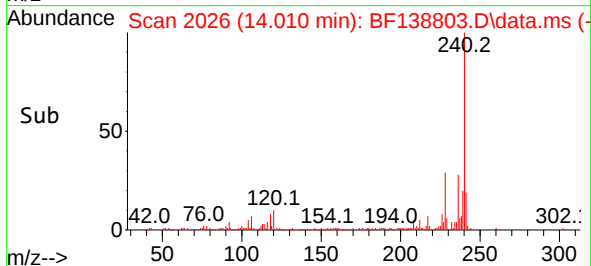
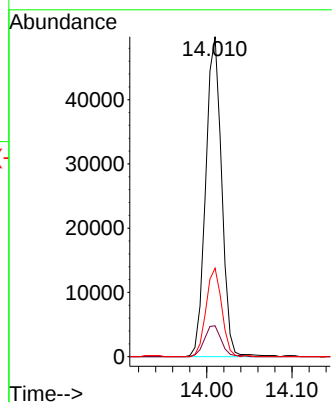
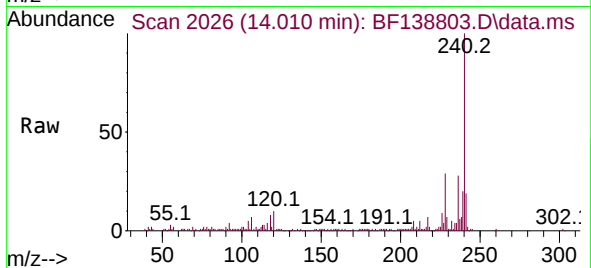
Tgt Ion:240 Resp: 64658

Ion Ratio Lower Upper

240 100

120 9.6 10.2 15.4#

236 27.7 19.8 29.8



#78

Pyrene

Concen: 28.846 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

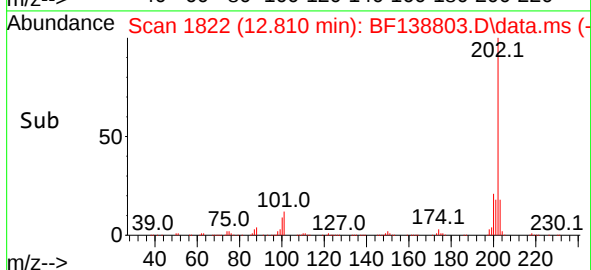
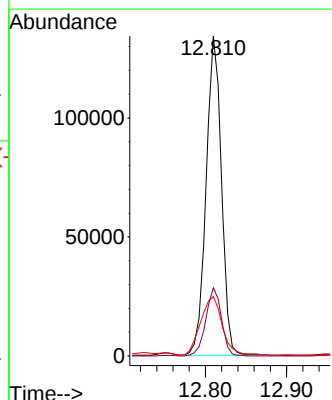
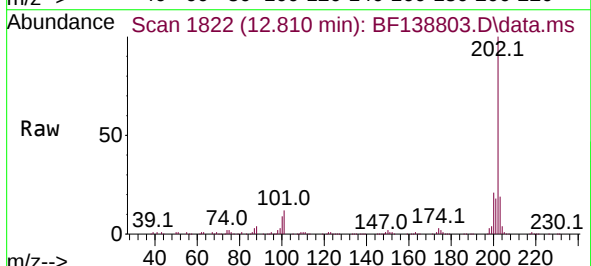
Tgt Ion:202 Resp: 175607

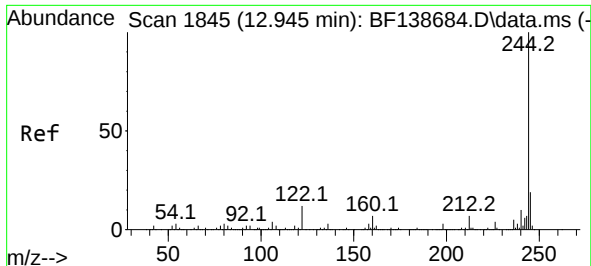
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 18.6 13.8 20.6

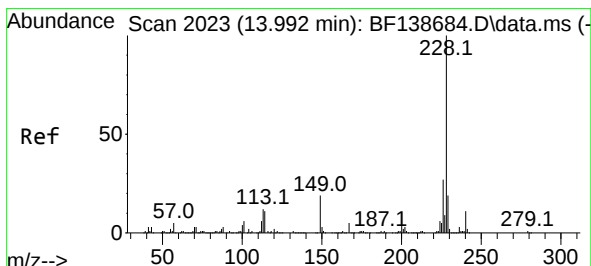
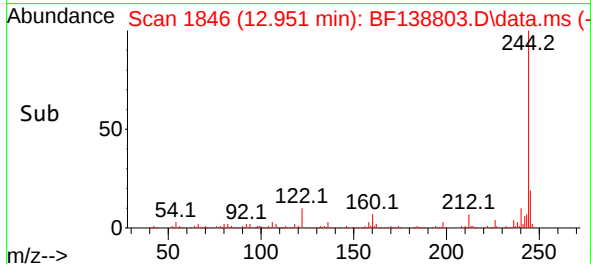
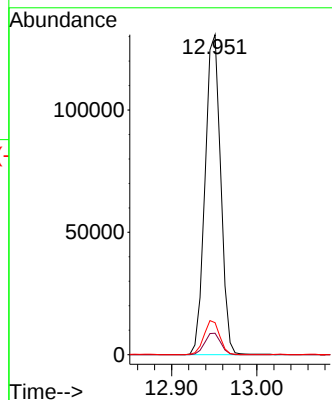
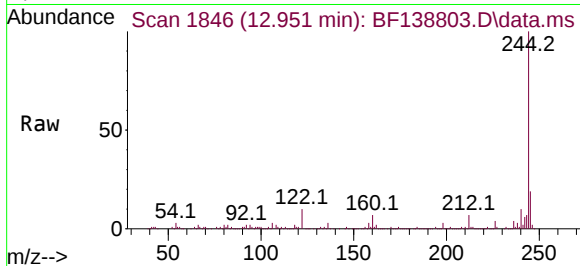




#79
 Terphenyl-d14
 Concen: 43.046 ng
 RT: 12.951 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

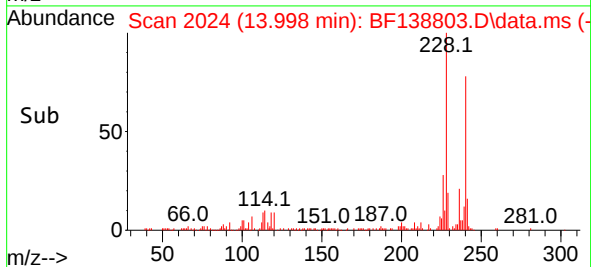
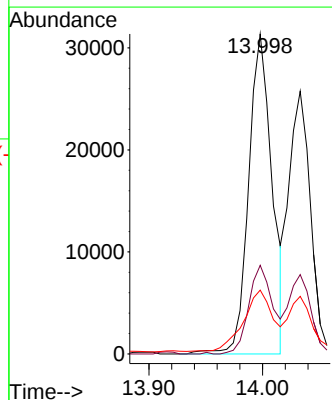
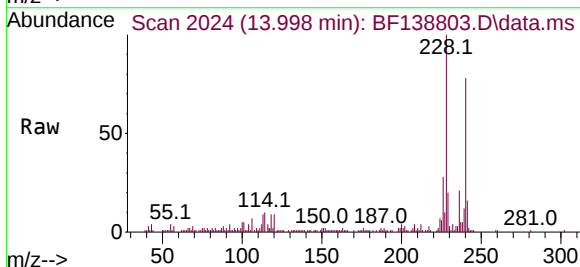
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

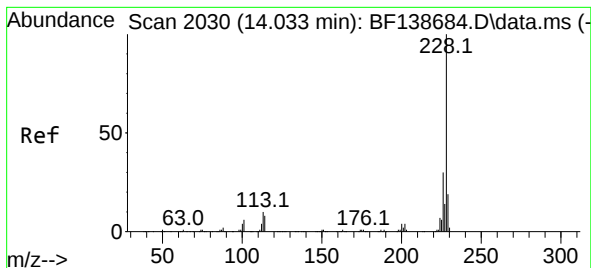
Tgt Ion:244 Resp: 166238
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.0 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 10.108 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

Tgt Ion:228 Resp: 45006
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.1 33.1
 229 19.9 15.4 23.0





#83

Chrysene

Concen: 8.412 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

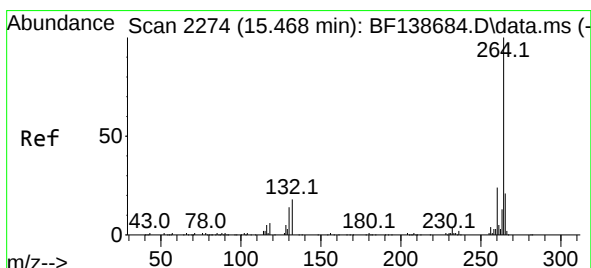
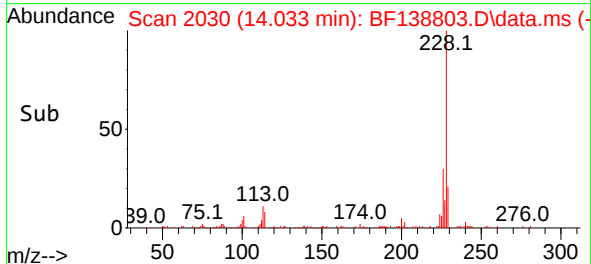
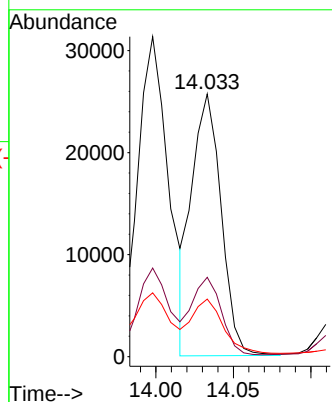
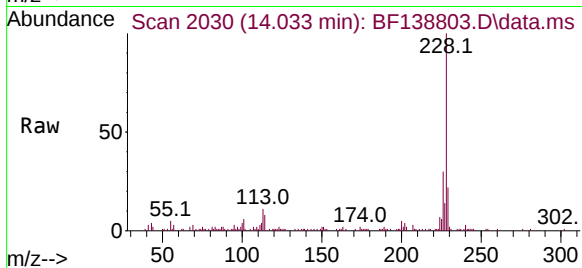
Tgt Ion:228 Resp: 33790

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 21.9 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

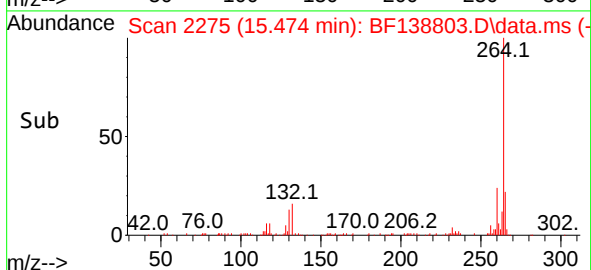
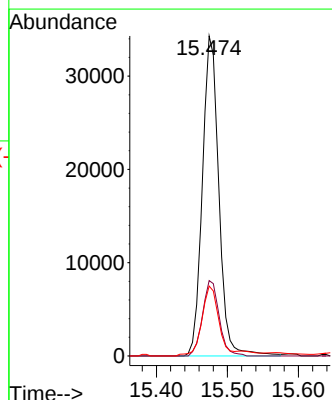
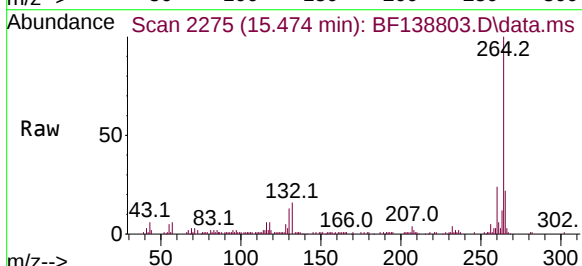
Tgt Ion:264 Resp: 55578

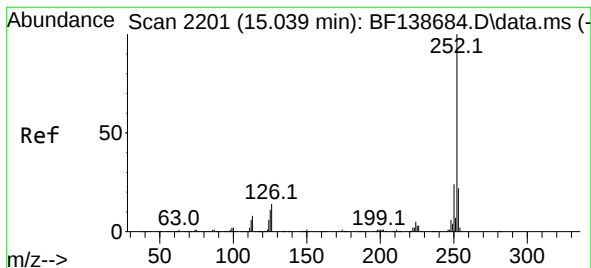
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 9.217 ng

RT: 15.051 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

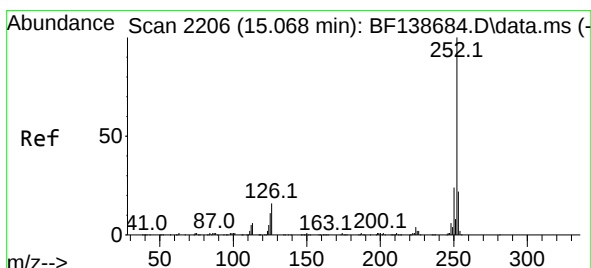
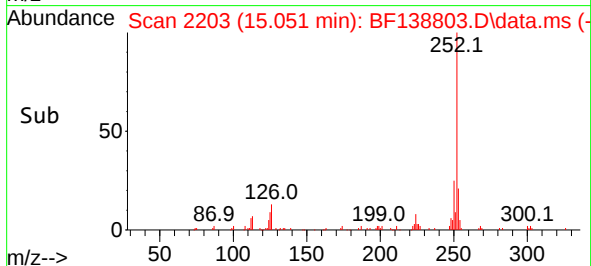
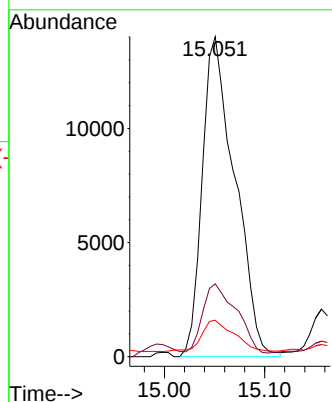
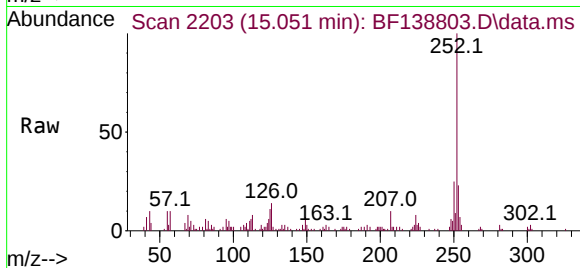
Tgt Ion:252 Resp: 31755

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.4 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 10.645 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

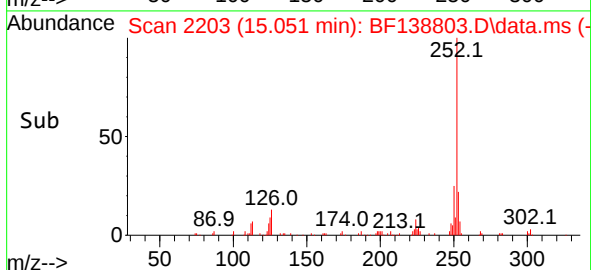
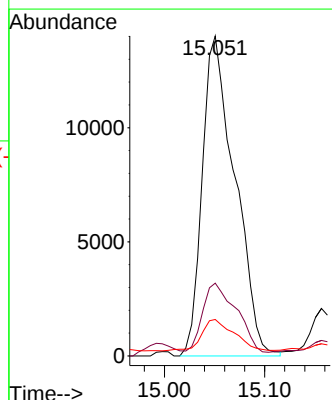
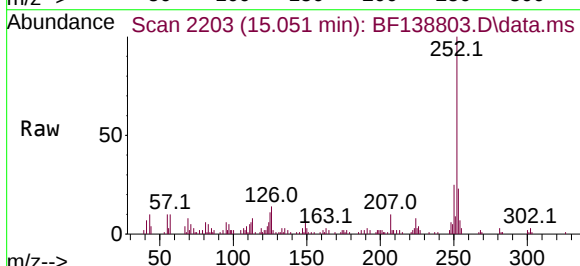
Tgt Ion:252 Resp: 31755

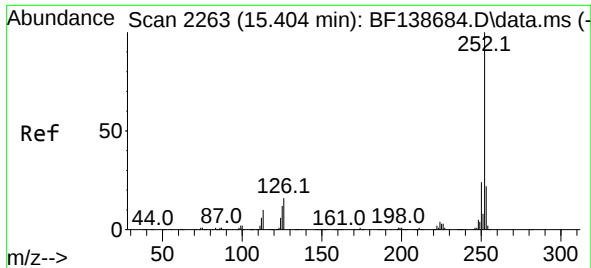
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

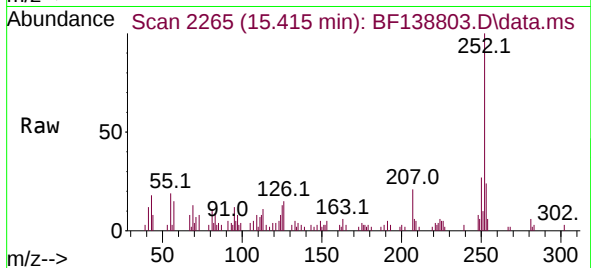
125 11.4 8.6 13.0





#90
Benzo(a)pyrene
Concen: 4.178 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion:	252	Resp:	12107
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.3	25.9
125	13.4	9.5	14.3

