

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138253.D
 Acq On : 19 Jun 2024 18:58
 Operator : CG\JU
 Sample : P2943-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Quant Time: Jun 20 01:10:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

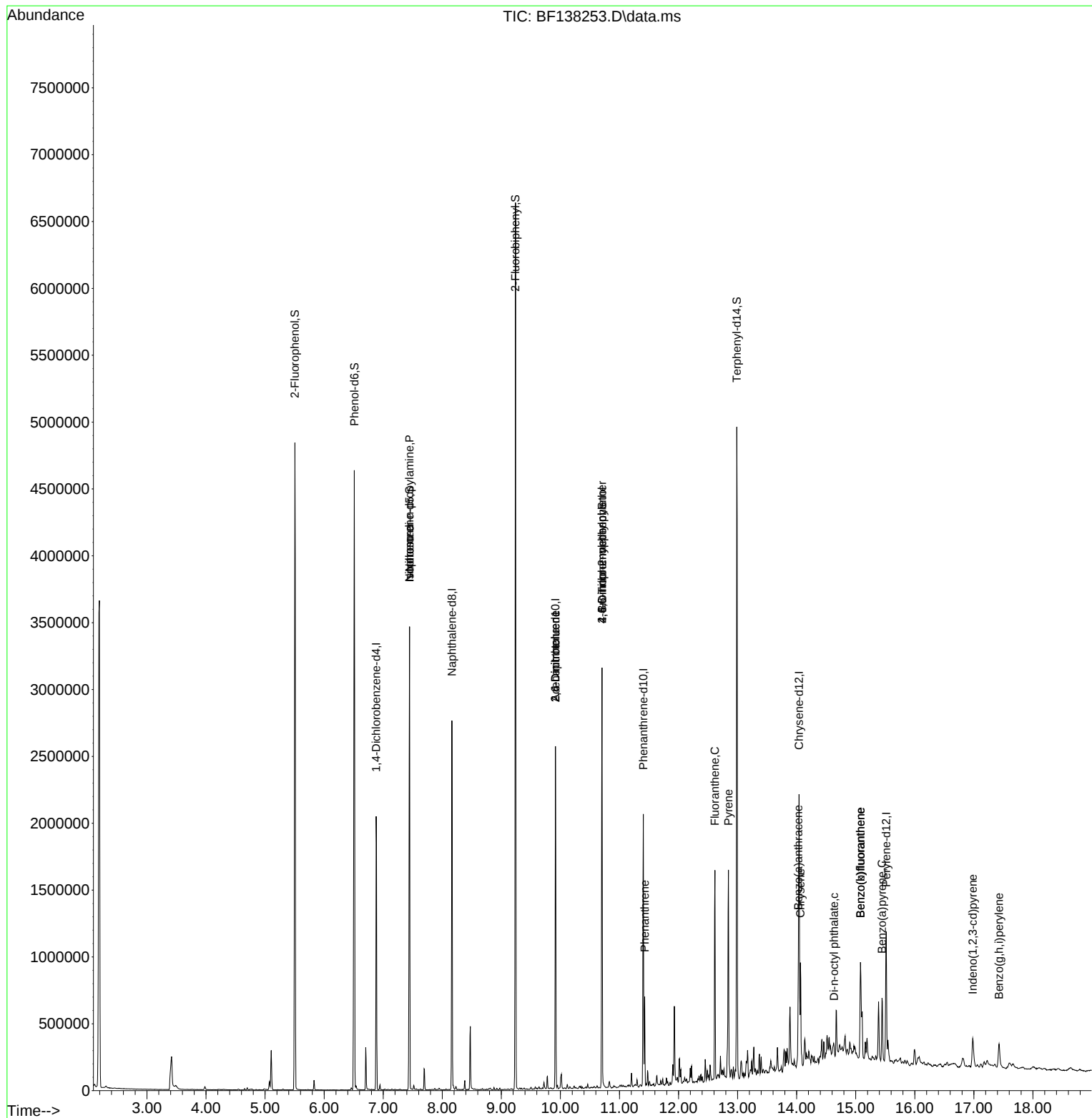
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	301739	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	1091320	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	494242	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	696668	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	523882	20.000	ng	-0.01
86) Perylene-d12	15.515	264	453725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1440818	79.878	ng	0.00
7) Phenol-d6	6.510	99	1729679	75.623	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1016619	54.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	351046	71.347	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1796769	57.808	ng	-0.01
79) Terphenyl-d14	12.986	244	1654588	50.022	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	134541	9.924	ng	# 77
25) Isophorone	7.445	82	1015254	29.942	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	64673	9.844	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	64673	7.982	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	736	7.112	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	22171	2.824	ng	# 1
71) Phenanthrene	11.428	178	225398	6.542	ng	98
75) Fluoranthene	12.616	202	578696	16.472	ng	98
78) Pyrene	12.845	202	608519	13.466	ng	97
81) Benzo(a)anthracene	14.027	228	268792	7.997	ng	97
83) Chrysene	14.063	228	318508	9.942	ng	99
85) Di-n-octyl phthalate	14.633	149	46940	2.210	ng	# 65
87) Indeno(1,2,3-cd)pyrene	16.980	276	155921	5.271	ng	95
88) Benzo(b)fluoranthene	15.080	252	547417	20.459	ng	97
89) Benzo(k)fluoranthene	15.080	252	547417	20.876	ng	98
90) Benzo(a)pyrene	15.445	252	232846	10.130	ng	99
92) Benzo(g,h,i)perylene	17.427	276	156414	6.228	ng	98

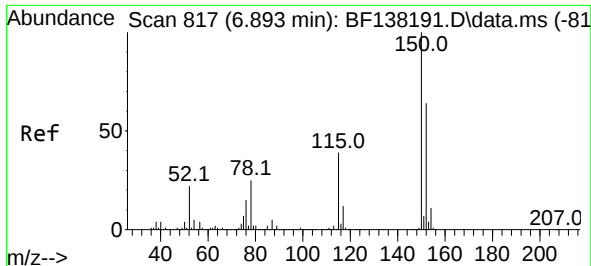
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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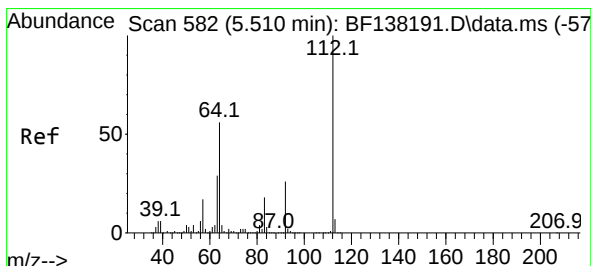
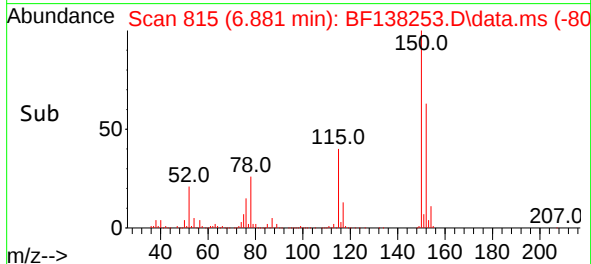
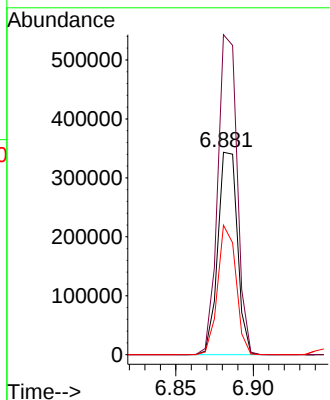
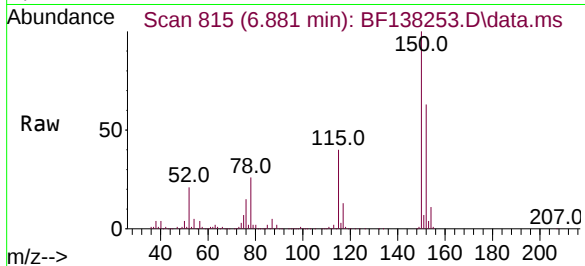




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

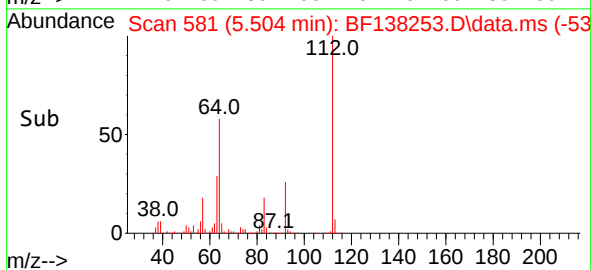
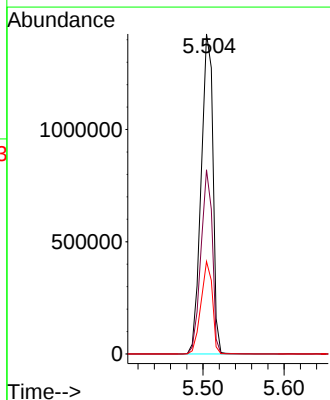
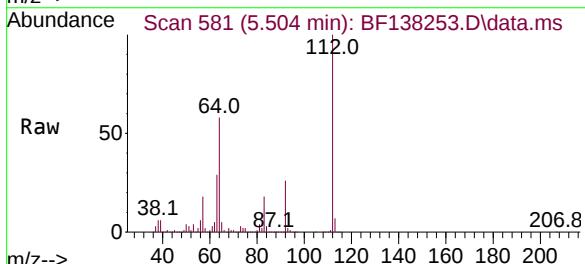
Instrument :
BNA_F
ClientSampleId :
VNJ-212

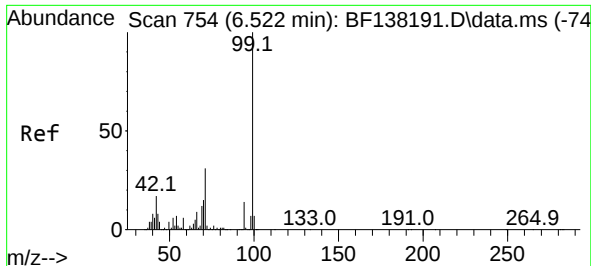
Tgt Ion:152 Resp: 301739
Ion Ratio Lower Upper
152 100
150 158.1 125.0 187.4
115 64.0 48.4 72.6



#5
2-Fluorophenol
Concen: 79.878 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:112 Resp: 1440818
Ion Ratio Lower Upper
112 100
64 57.6 45.2 67.8
63 28.9 22.9 34.3





#7

Phenol-d6

Concen: 75.623 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

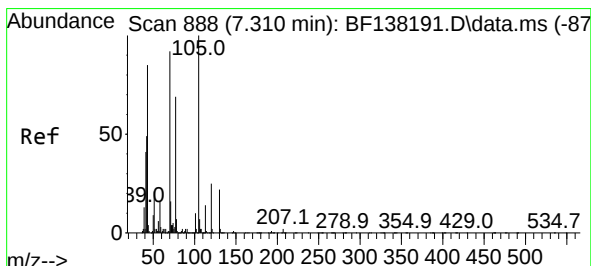
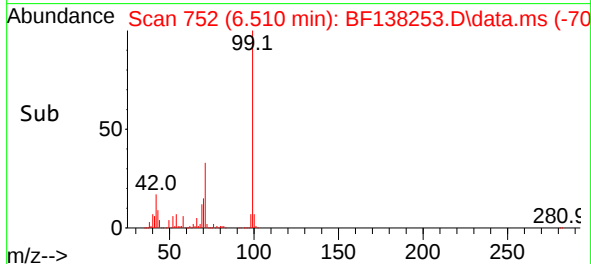
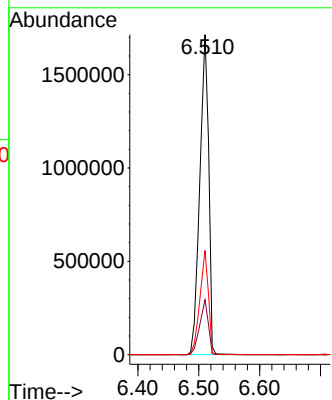
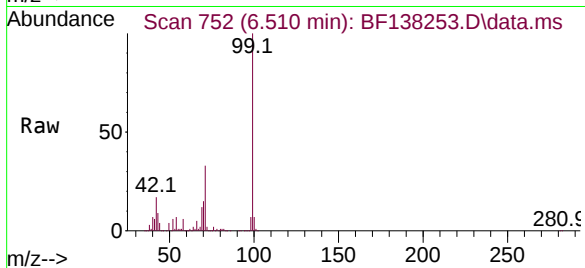
Tgt Ion: 99 Resp: 1729679

Ion Ratio Lower Upper

99 100

42 17.2 13.7 20.5

71 32.6 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.924 ng

RT: 7.445 min Scan# 911

Delta R.T. 0.135 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Tgt Ion: 70 Resp: 134541

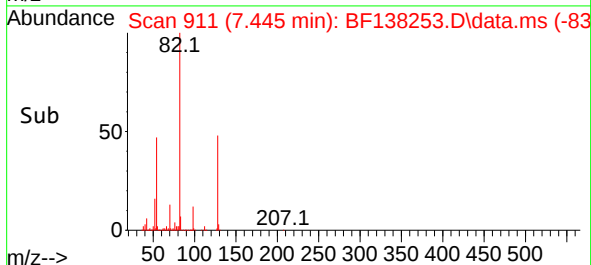
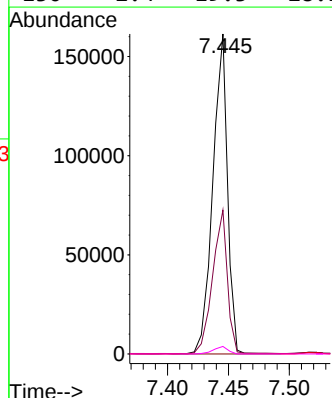
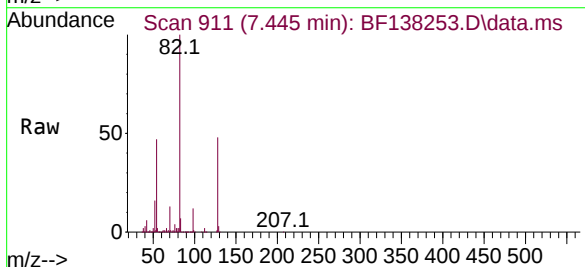
Ion Ratio Lower Upper

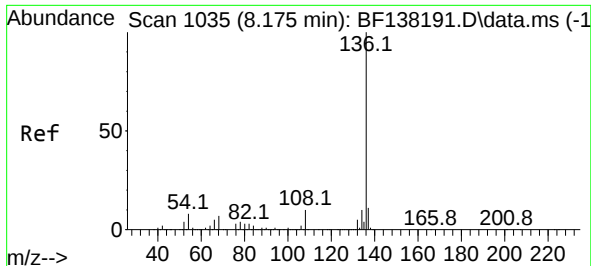
70 100

42 45.0 42.8 64.2

101 0.0 8.4 12.6#

130 2.4 19.3 28.9#

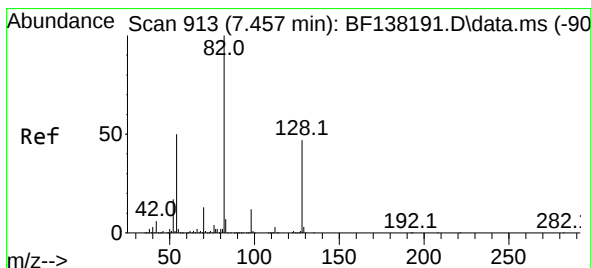
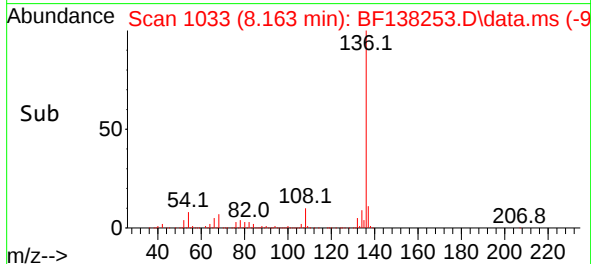
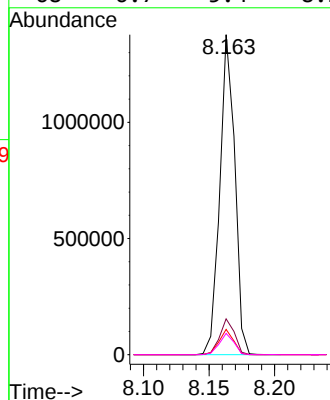
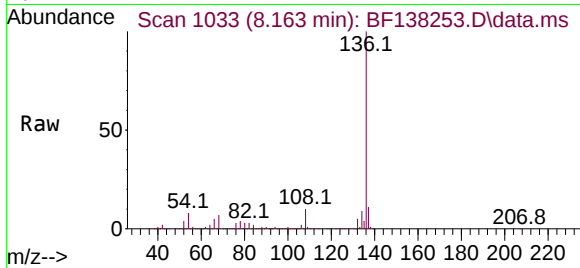




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

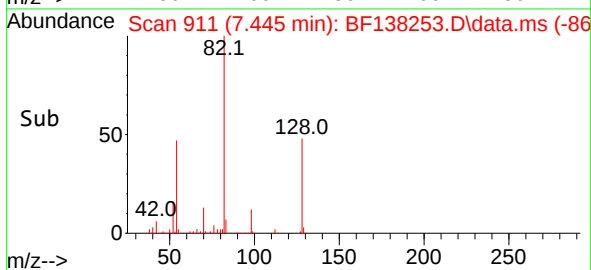
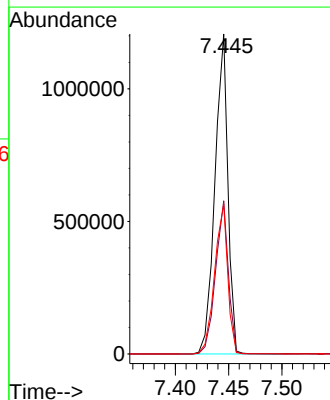
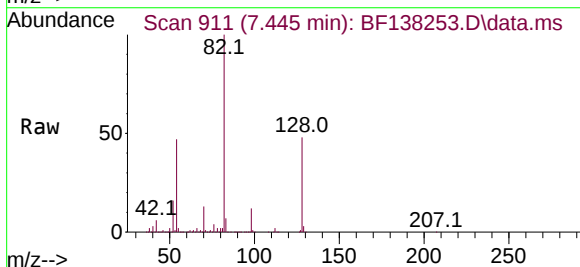
Instrument :
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ClientSampleId :
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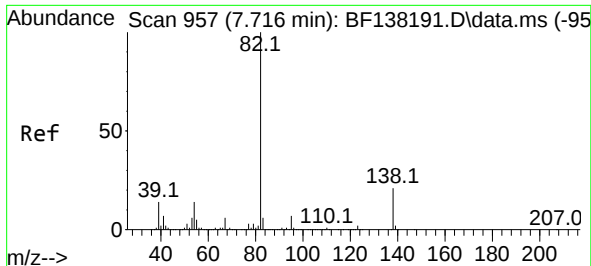
Tgt Ion:136 Resp: 1091320
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.9 6.6 10.0
68 6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 54.231 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion: 82 Resp: 1016619
Ion Ratio Lower Upper
82 100
128 47.8 37.2 55.8
54 46.9 39.8 59.6

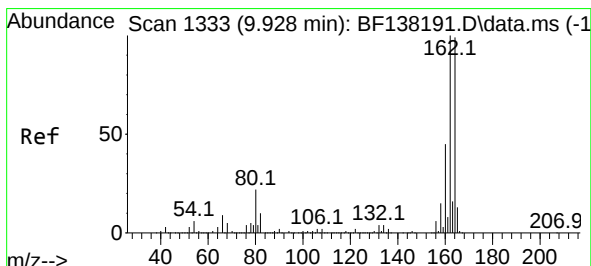
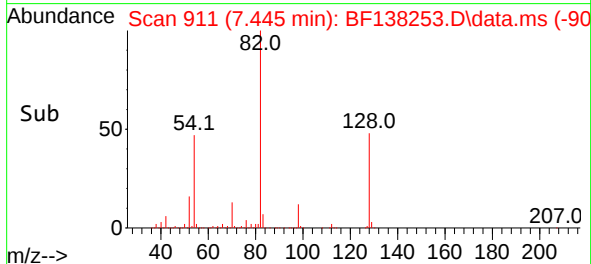
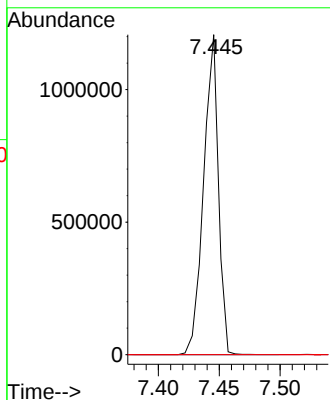
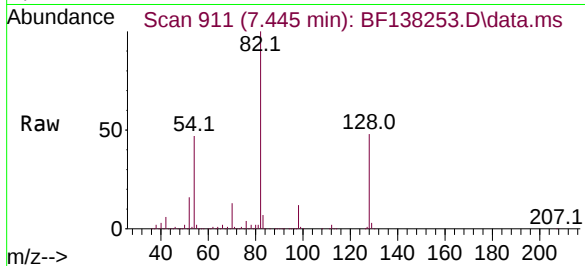




#25
Isophorone
Concen: 29.942 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

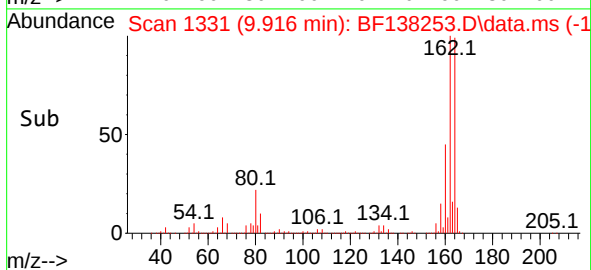
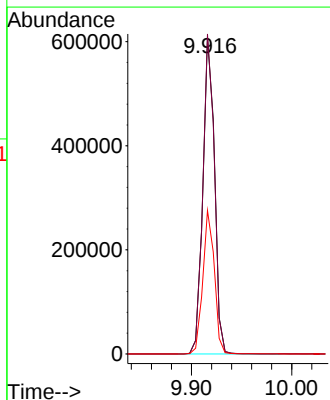
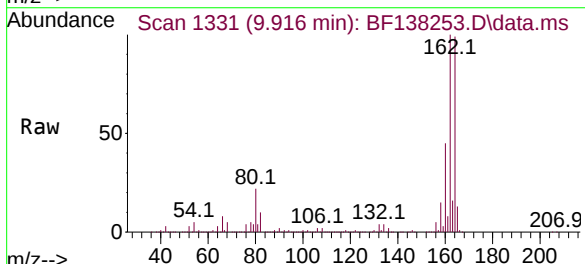
Instrument :
BNA_F
ClientSampleId :
VNJ-212

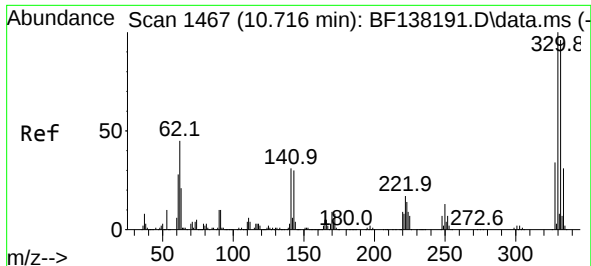
Tgt Ion: 82 Resp: 1015254
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion: 164 Resp: 494242
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 45.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 71.347 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

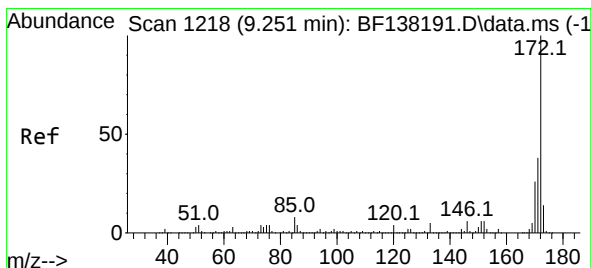
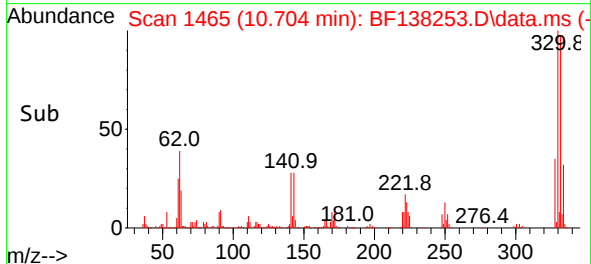
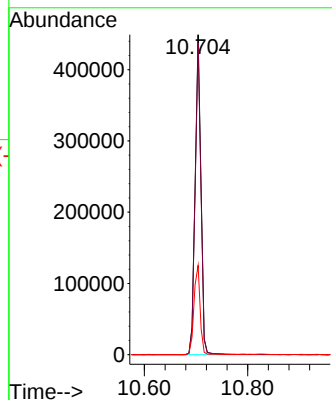
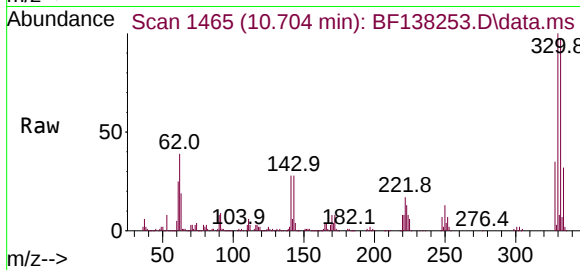
Tgt Ion:330 Resp: 351046

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 57.808 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

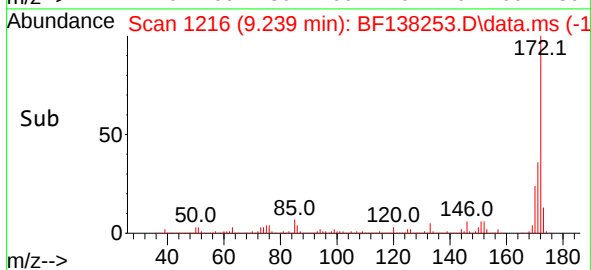
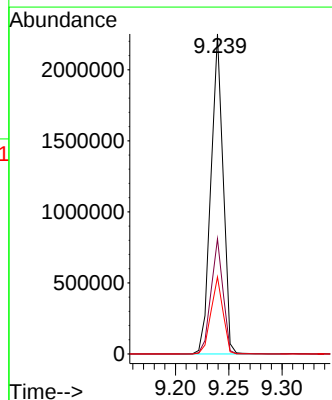
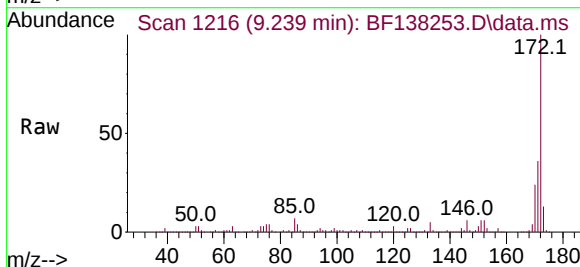
Tgt Ion:172 Resp: 1796769

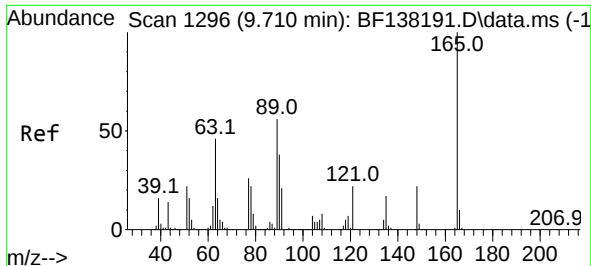
Ion Ratio Lower Upper

172 100

171 36.0 30.3 45.5

170 24.0 20.6 30.8

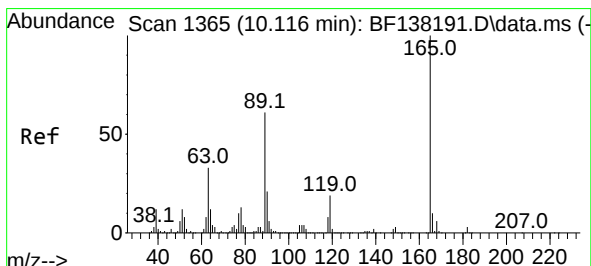
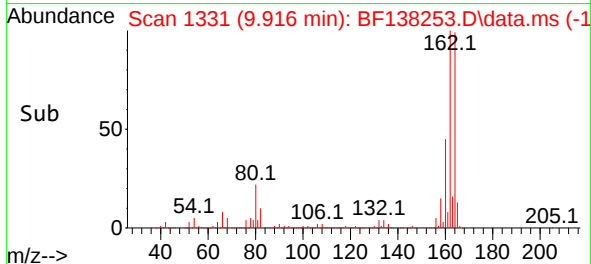
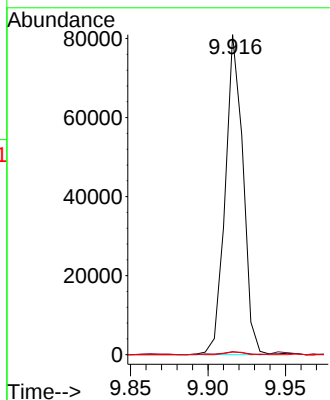
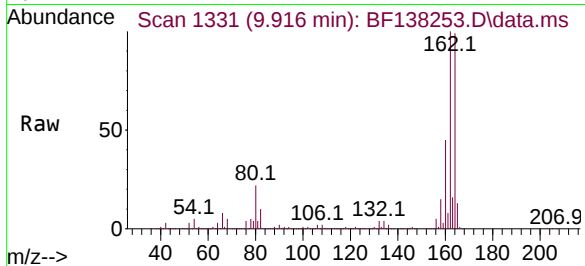




#51
2,6-Dinitrotoluene
Concen: 9.844 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

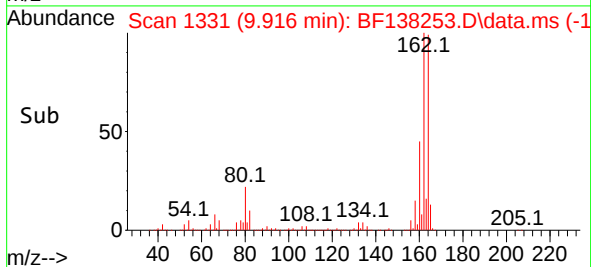
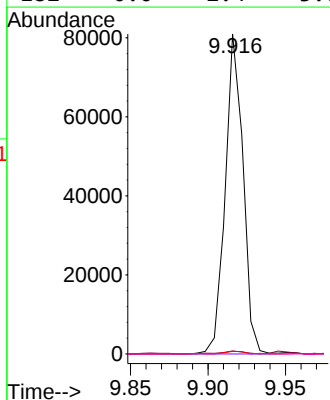
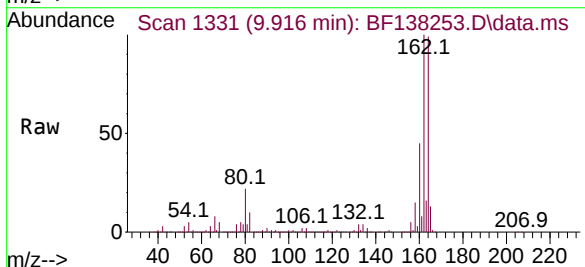
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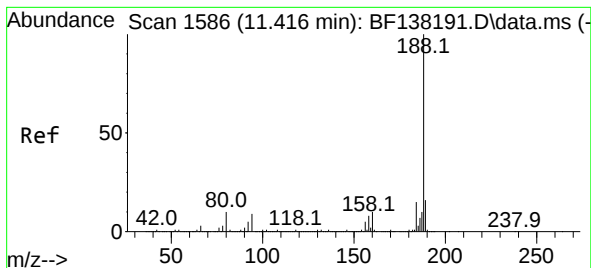
Tgt Ion:165 Resp: 64673
Ion Ratio Lower Upper
165 100
63 0.9 43.7 65.5#
89 0.8 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.982 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:165 Resp: 64673
Ion Ratio Lower Upper
165 100
63 0.9 26.6 39.8#
89 0.8 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

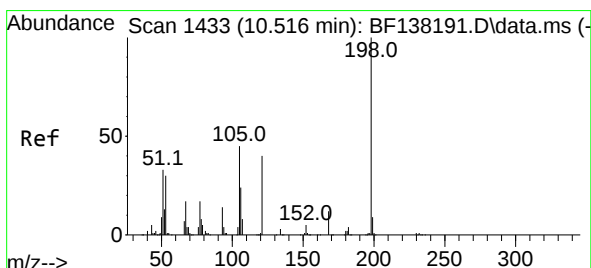
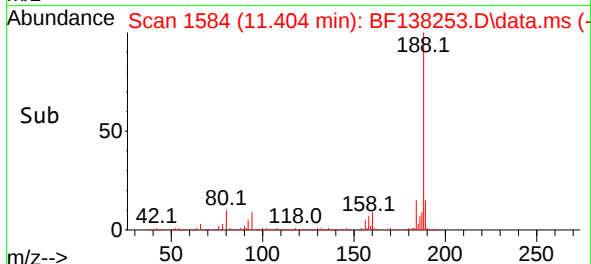
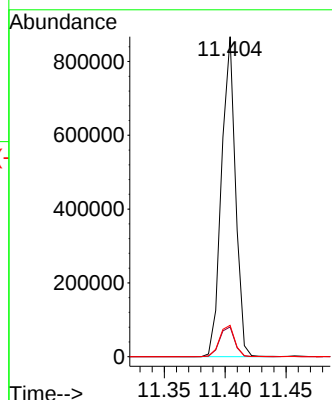
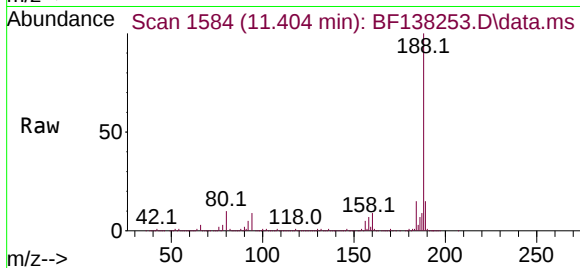
Tgt Ion:188 Resp: 696668

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.8 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.112 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

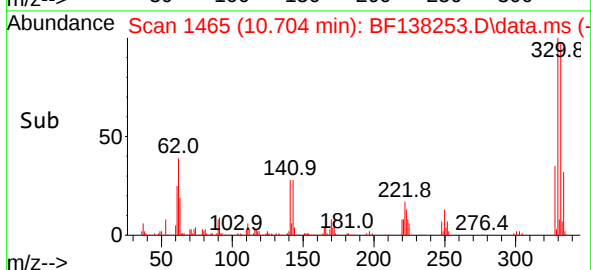
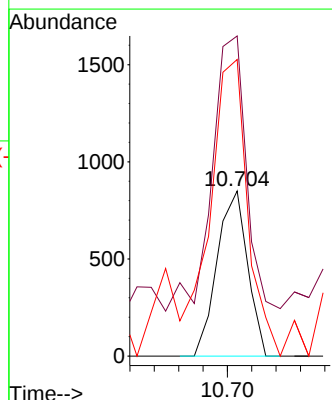
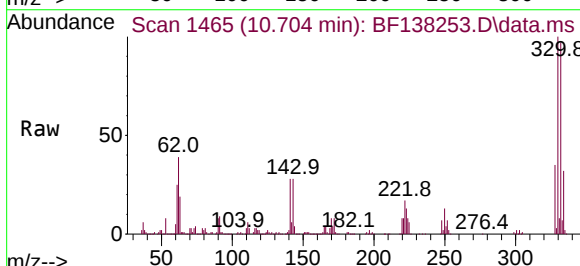
Tgt Ion:198 Resp: 736

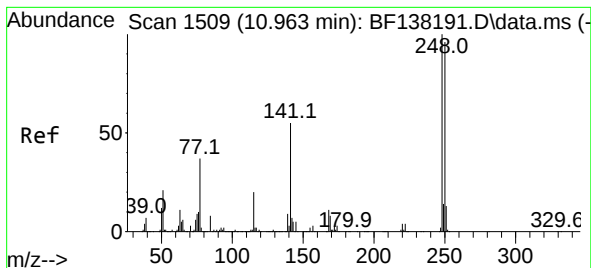
Ion Ratio Lower Upper

198 100

51 193.9 26.9 66.9#

105 179.6 26.0 66.0#

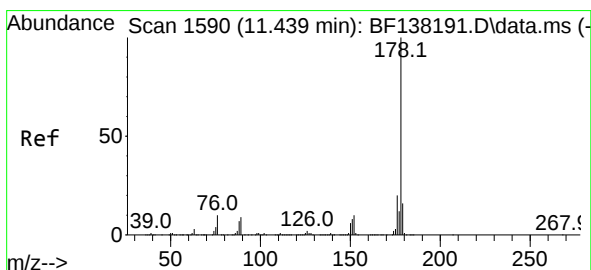
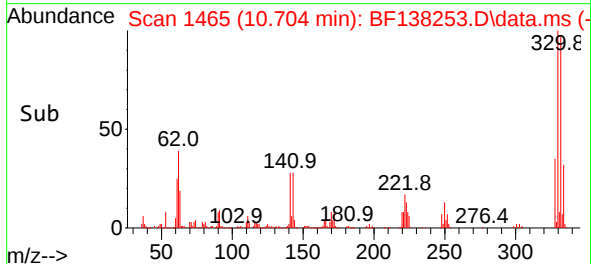
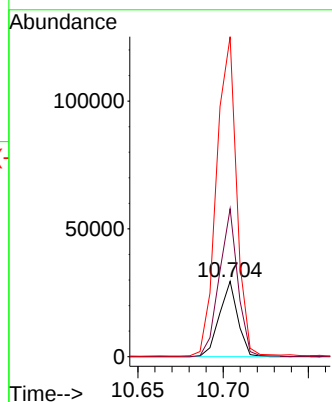
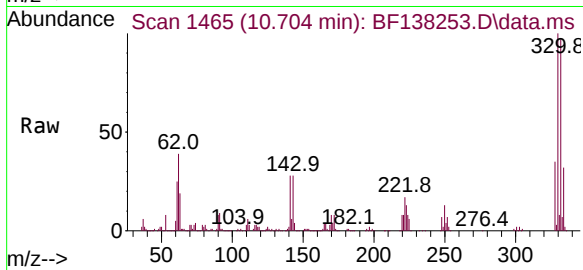




#67
4-Bromophenyl-phenylether
Concen: 2.824 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

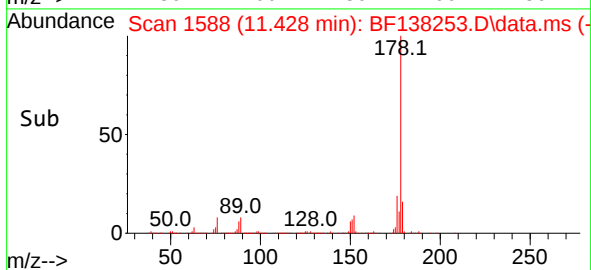
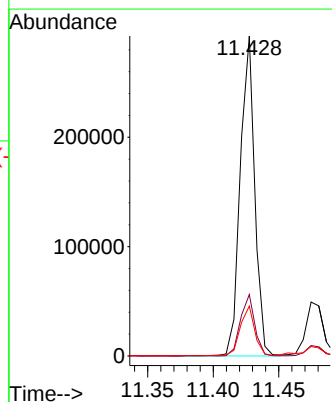
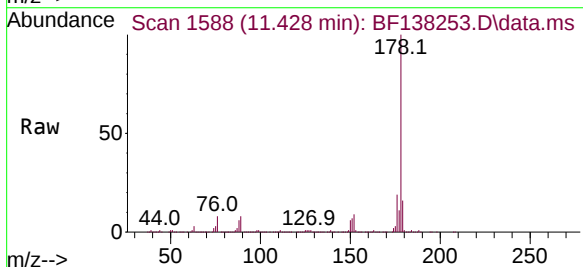
Instrument :
BNA_F
ClientSampleId :
VNJ-212

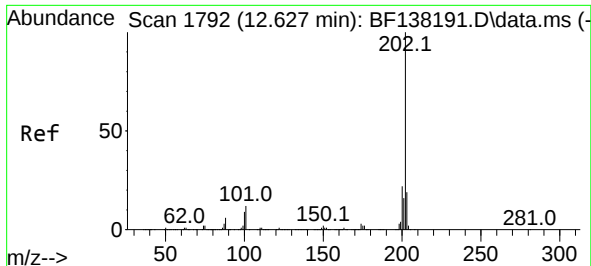
Tgt Ion:248 Resp: 22171
Ion Ratio Lower Upper
248 100
250 196.3 77.2 115.8#
141 424.7 44.1 66.1#



#71
Phenanthrene
Concen: 6.542 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:178 Resp: 225398
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.6 13.1 19.7

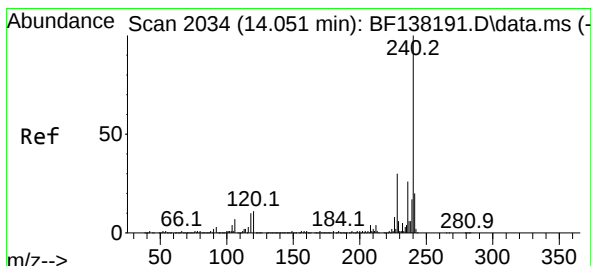
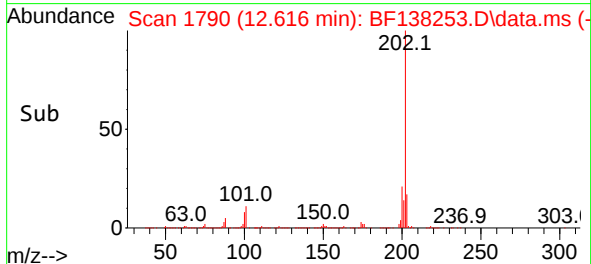
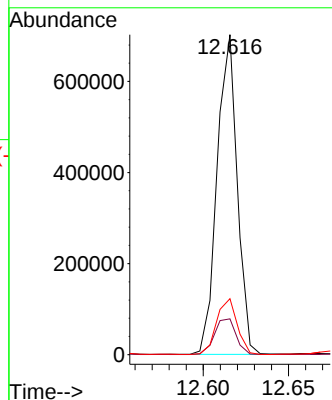
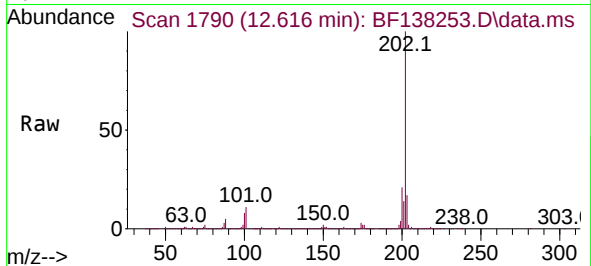




#75
Fluoranthene
Concen: 16.472 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

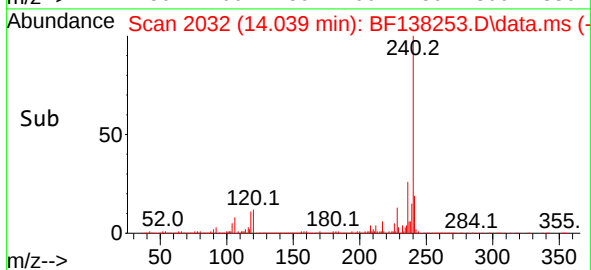
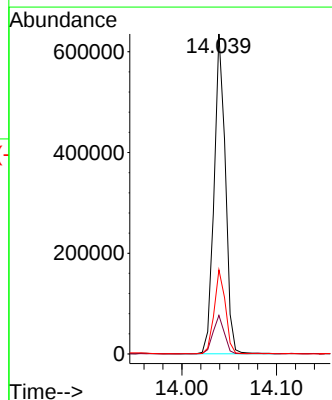
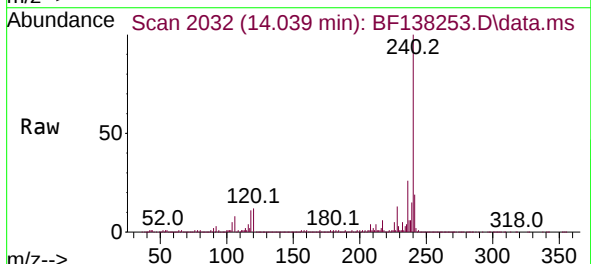
Instrument :
BNA_F
ClientSampleId :
VNJ-212

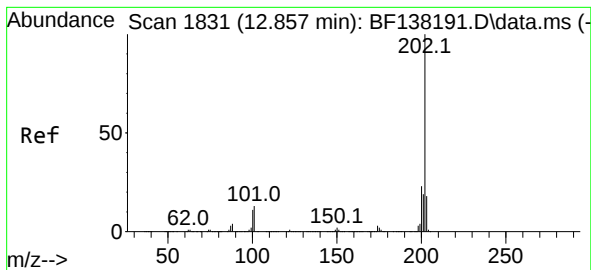
Tgt Ion:202 Resp: 578696
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 17.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:240 Resp: 523882
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 26.3 21.0 31.6





#78

Pyrene

Concen: 13.466 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

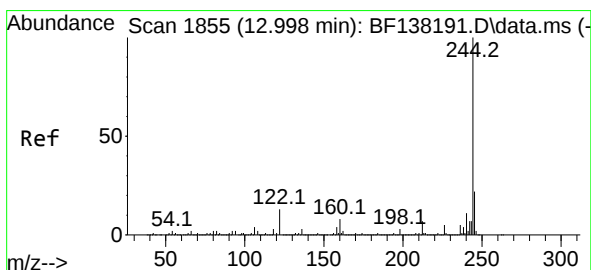
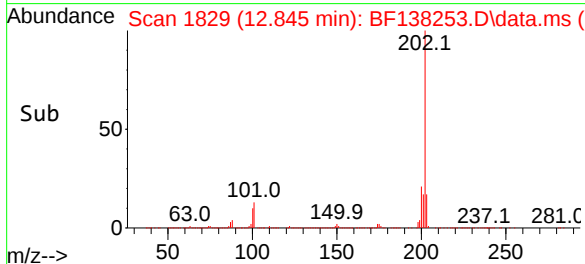
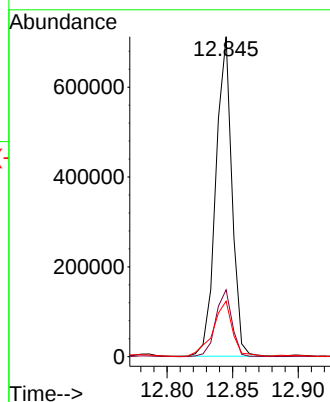
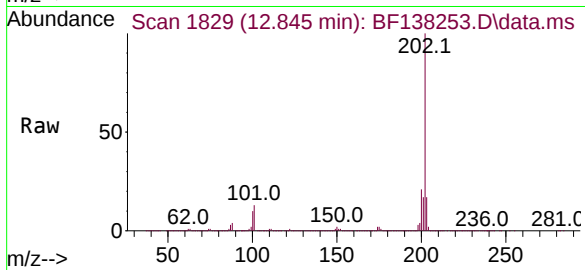
Tgt Ion:202 Resp: 608519

Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

203 17.3 14.7 22.1



#79

Terphenyl-d14

Concen: 50.022 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

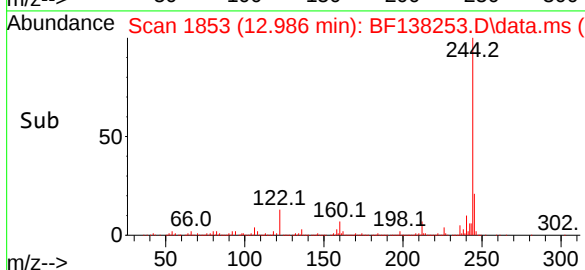
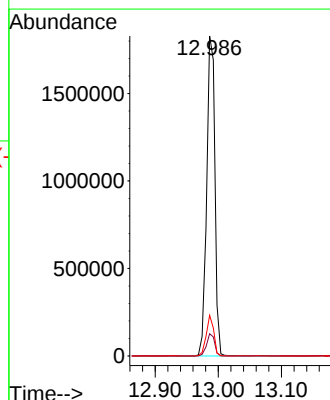
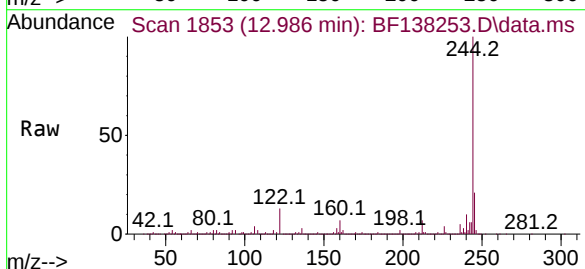
Tgt Ion:244 Resp: 1654588

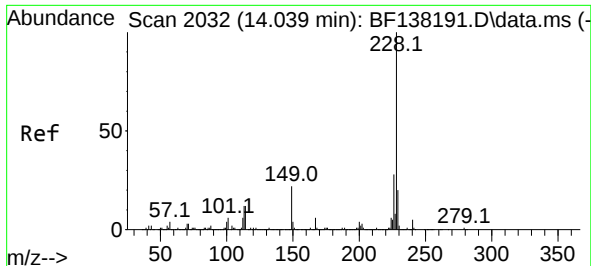
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.7 10.6 15.8

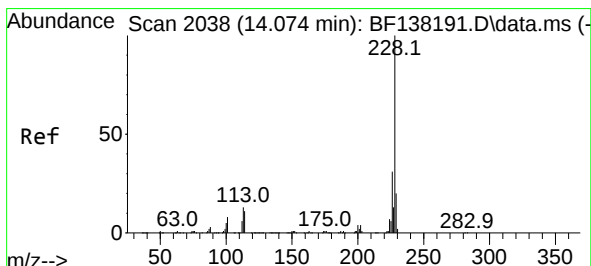
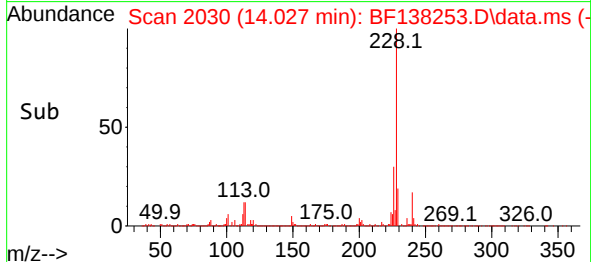
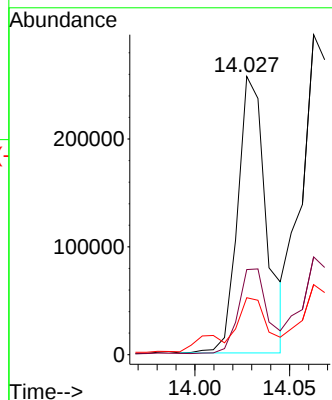
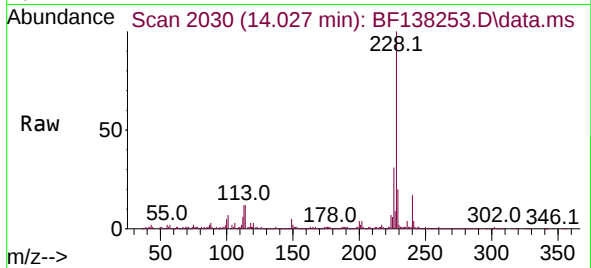




#81
Benzo(a)anthracene
Concen: 7.997 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

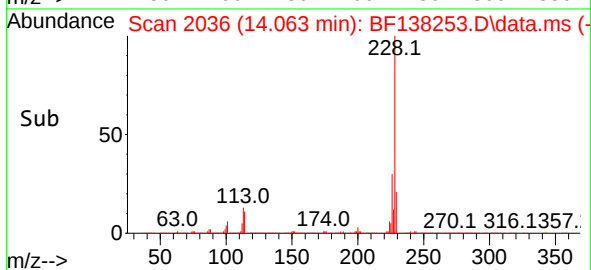
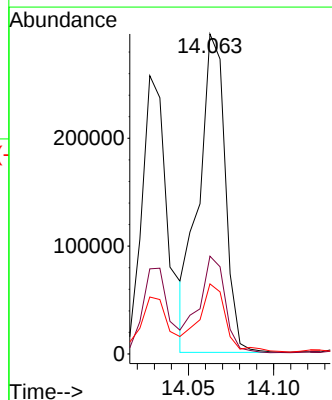
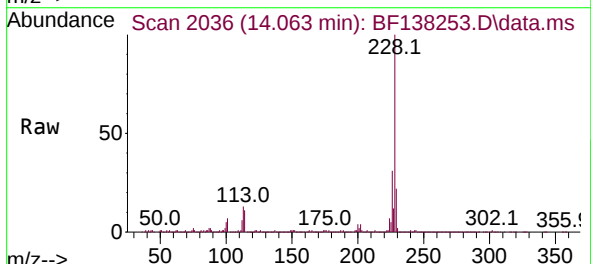
Instrument :
BNA_F
ClientSampleId :
VNJ-212

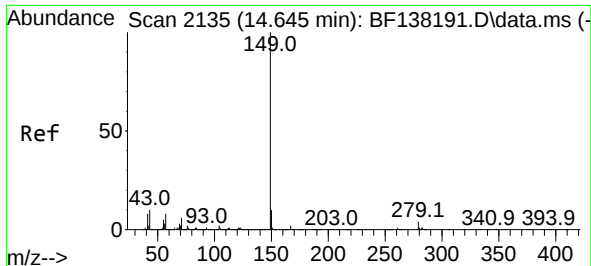
Tgt Ion:228 Resp: 268792
Ion Ratio Lower Upper
228 100
226 30.6 22.5 33.7
229 20.5 16.3 24.5



#83
Chrysene
Concen: 9.942 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:228 Resp: 318508
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 21.9 16.3 24.5

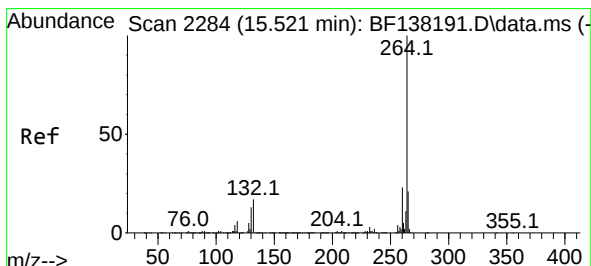
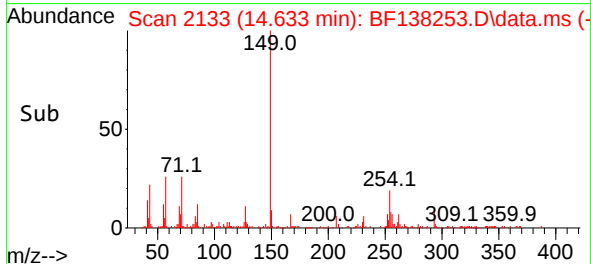
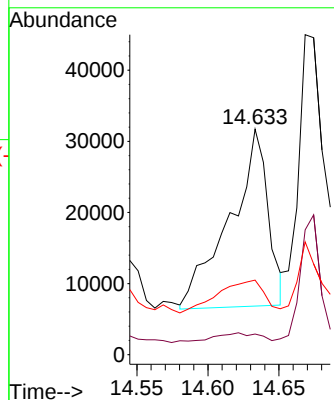
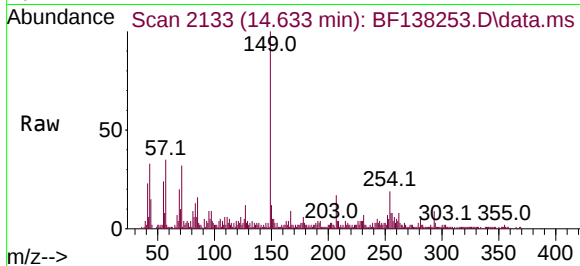




#85
Di-n-octyl phthalate
Concen: 2.210 ng
RT: 14.633 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

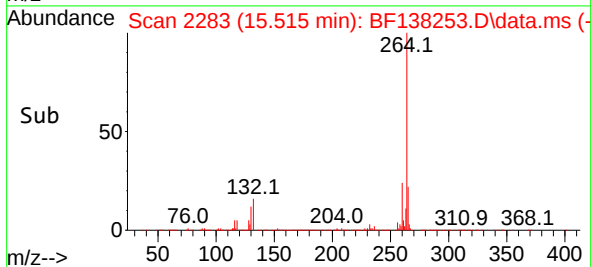
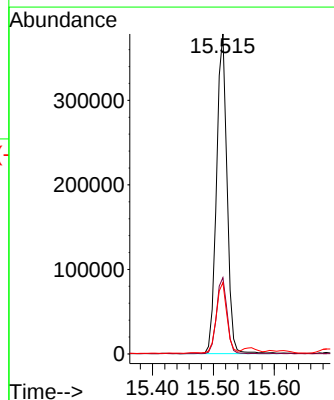
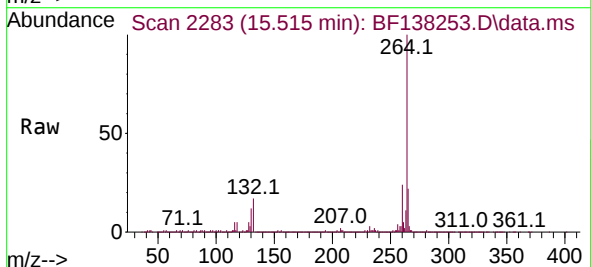
Instrument :
BNA_F
ClientSampleId :
VNJ-212

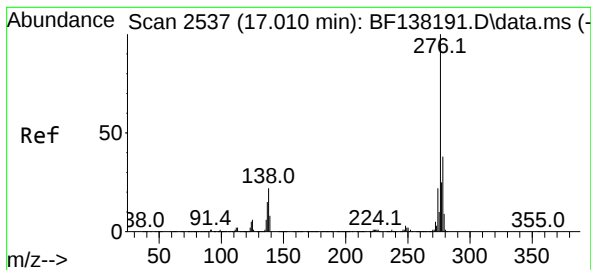
Tgt Ion:149 Resp: 46940
Ion Ratio Lower Upper
149 100
167 4.6 1.3 1.9#
43 24.4 7.8 11.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:264 Resp: 453725
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.271 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

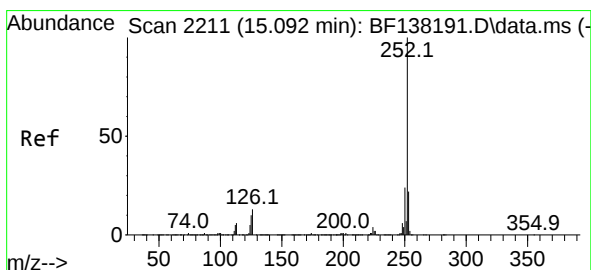
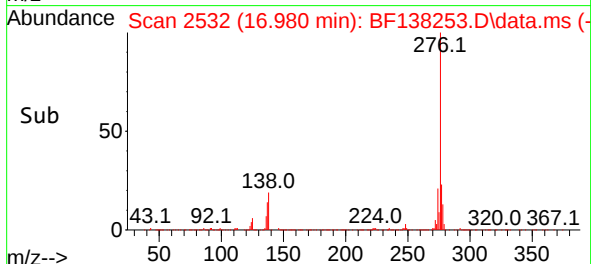
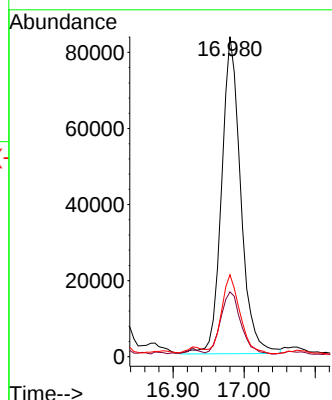
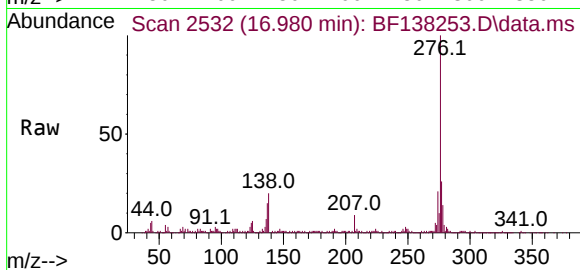
Tgt Ion:276 Resp: 155921

Ion Ratio Lower Upper

276 100

138 20.6 19.3 28.9

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 20.459 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

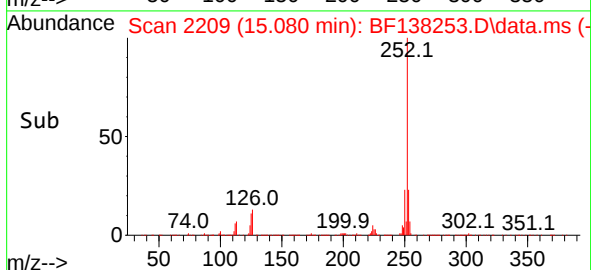
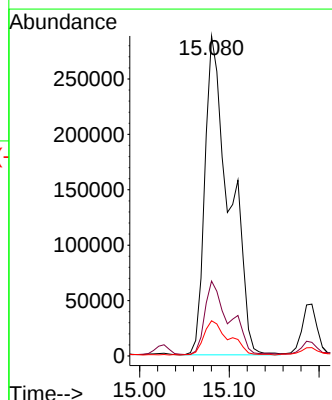
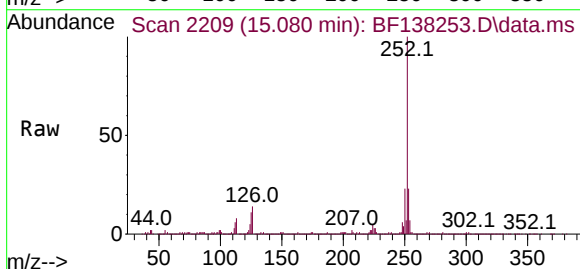
Tgt Ion:252 Resp: 547417

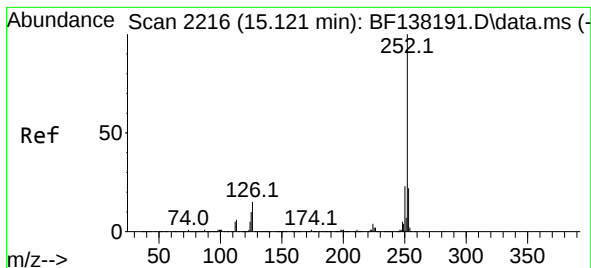
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 11.0 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 20.876 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

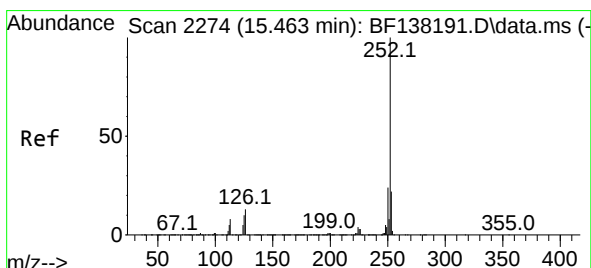
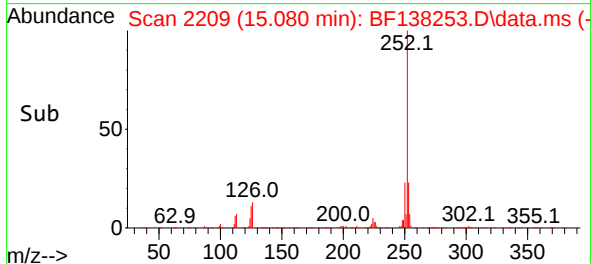
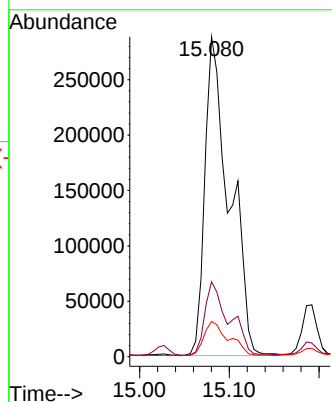
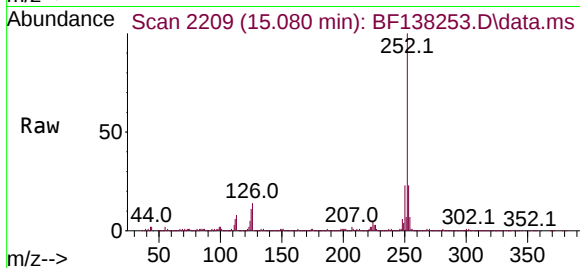
Tgt Ion:252 Resp: 547417

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 11.0 8.0 12.0



#90

Benzo(a)pyrene

Concen: 10.130 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

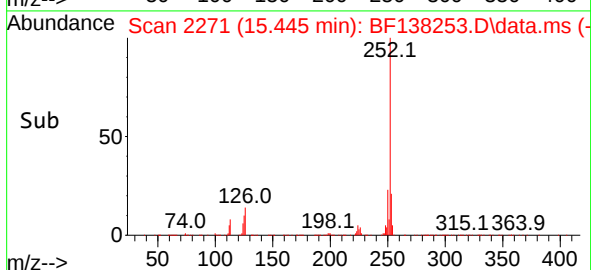
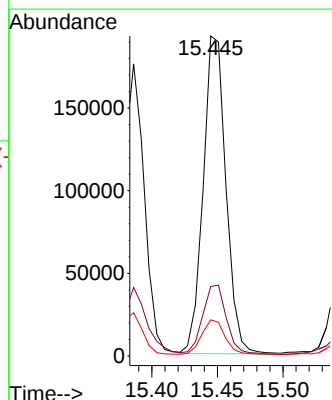
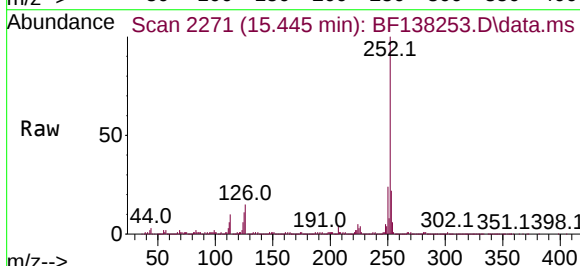
Tgt Ion:252 Resp: 232846

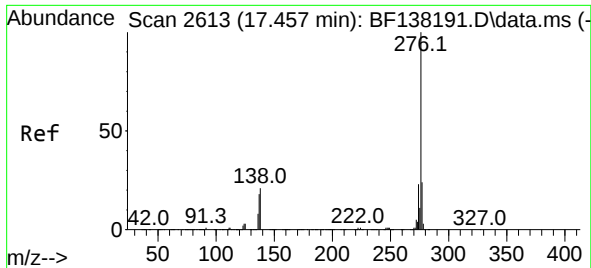
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.3 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.228 ng
 RT: 17.427 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF138253.D
 Acq: 19 Jun 2024 18:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Tgt Ion:276 Resp: 156414
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.5 29.3
 138 23.0 16.6 24.8

