

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143303.D
 Acq On : 04 Aug 2025 18:32
 Operator : RC/JU
 Sample : Q2734-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253

Quant Time: Aug 05 00:52:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

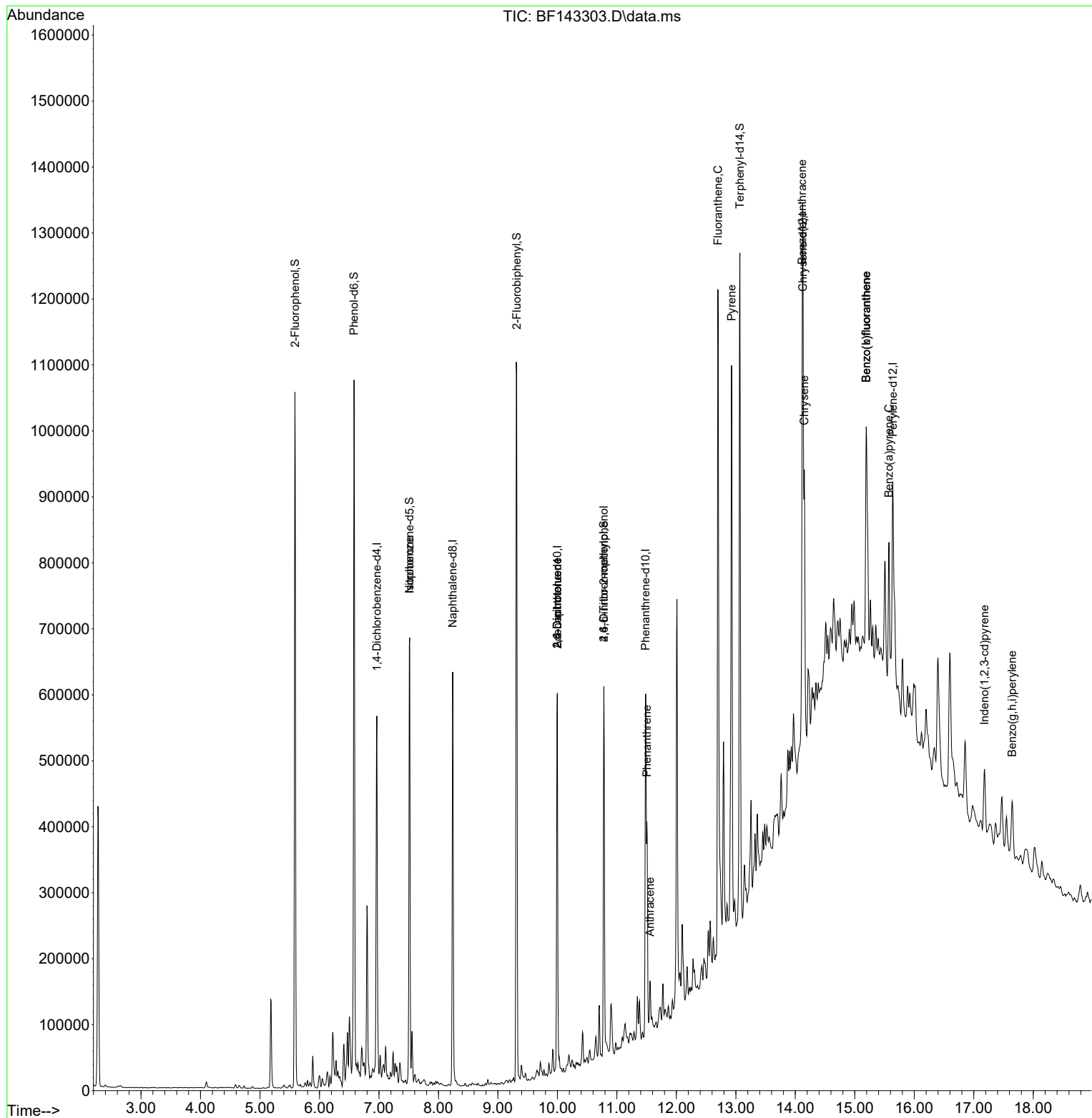
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	107550	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	377002	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	165153	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	272147	20.000	ng	0.00
76) Chrysene-d12	14.127	240	243744	20.000	ng	0.00
86) Perylene-d12	15.639	264	174997	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	375209	55.207	ng	0.00
7) Phenol-d6	6.581	99	462656	54.083	ng	0.00
23) Nitrobenzene-d5	7.516	82	291230	38.506	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	93807	54.983	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	489217	40.512	ng	0.00
79) Terphenyl-d14	13.068	244	492692	30.080	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.516	82	285989	21.420	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	22838	10.429	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	22838	8.312	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.780	198	128	5.492	ng	# 1
71) Phenanthrene	11.504	178	160669	11.119	ng	100
72) Anthracene	11.557	178	44438	3.015	ng	98
75) Fluoranthene	12.698	202	489144	36.879	ng	98
78) Pyrene	12.927	202	485741	23.350	ng	98
81) Benzo(a)anthracene	14.115	228	270090	16.551	ng	96
83) Chrysene	14.151	228	227128	15.480	ng	96
87) Indeno(1,2,3-cd)pyrene	17.180	276	72642	5.887	ng	94
88) Benzo(b)fluoranthene	15.192	252	283595	26.527	ng	# 91
89) Benzo(k)fluoranthene	15.192	252	283595	29.727	ng	# 92
90) Benzo(a)pyrene	15.574	252	140350	14.249	ng	# 92
92) Benzo(g,h,i)perylene	17.645	276	70644	7.271	ng	94

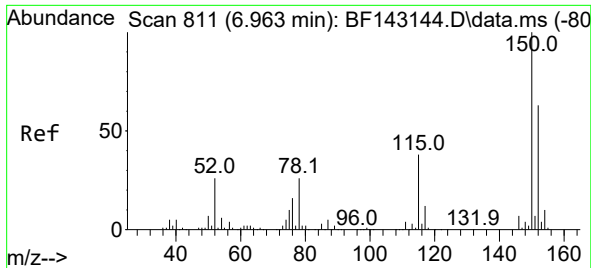
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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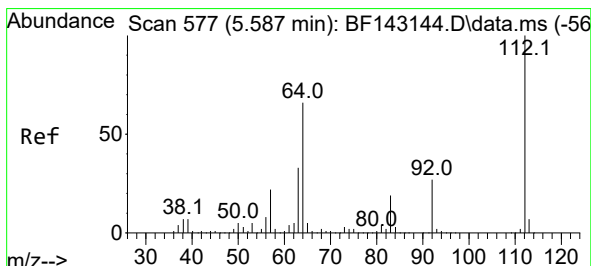
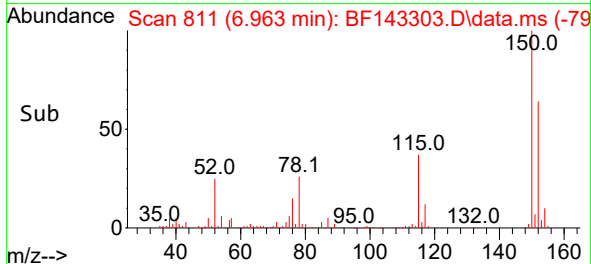
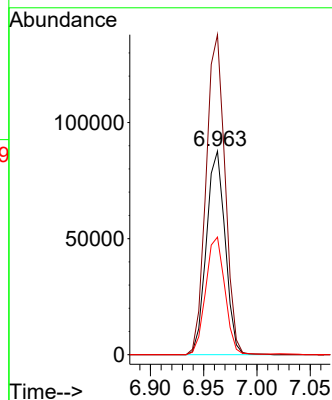
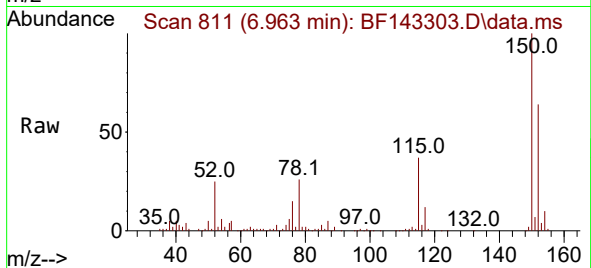




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

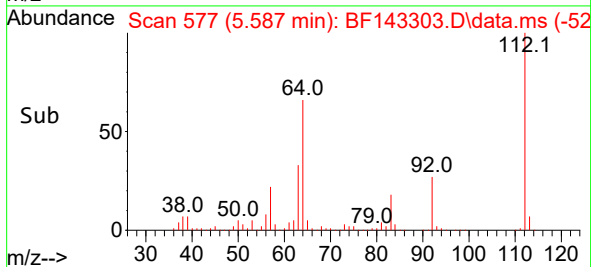
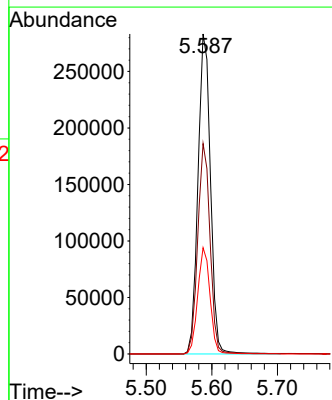
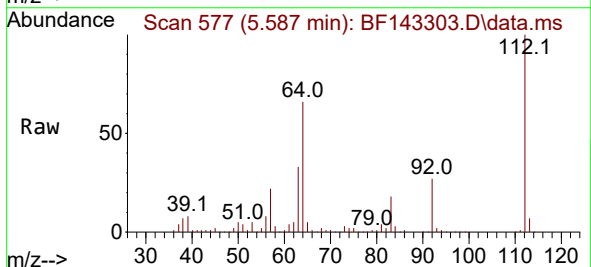
Instrument :
BNA_F
ClientSampleId :
VNJ-253

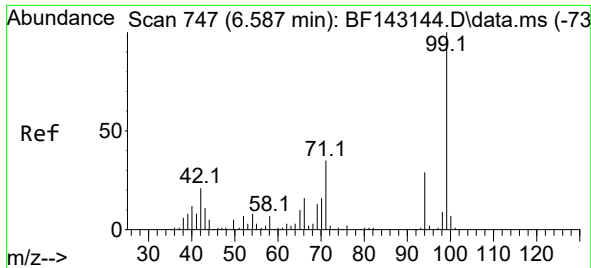
Tgt Ion:152 Resp: 107550
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 57.8 47.9 71.9



#5
2-Fluorophenol
Concen: 55.207 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Tgt Ion:112 Resp: 375209
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.2 26.6 40.0

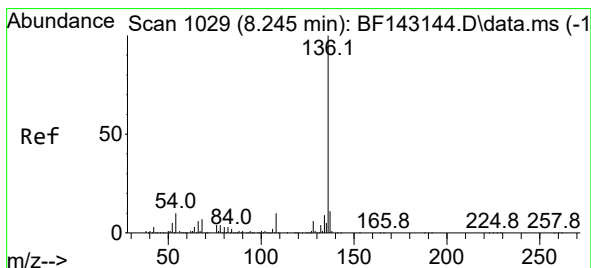
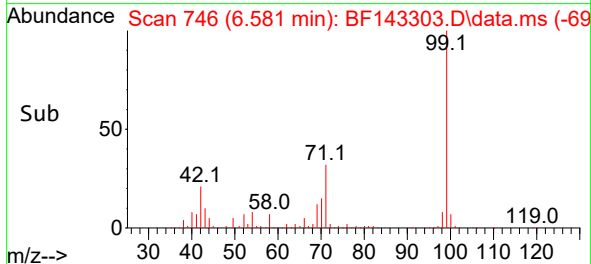
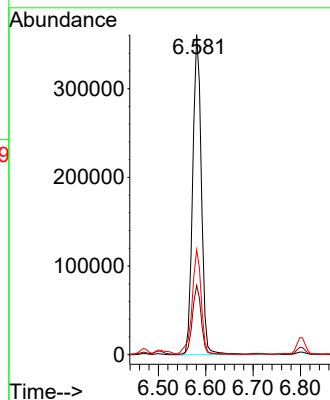
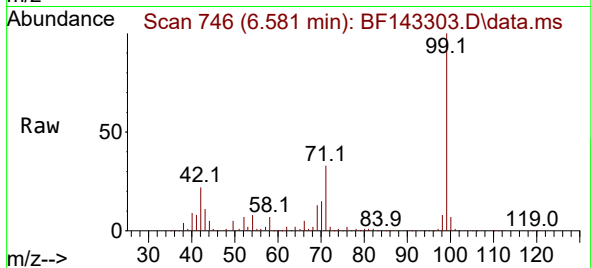




#7
Phenol-d6
Concen: 54.083 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

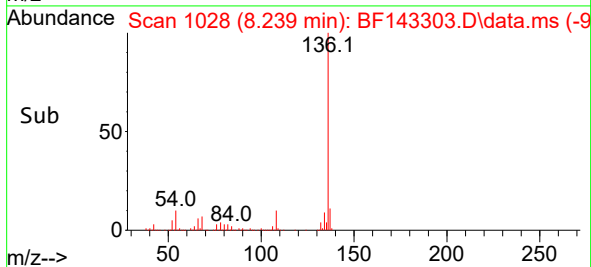
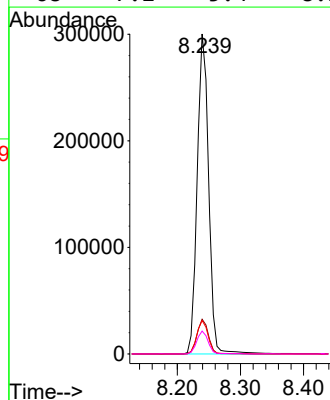
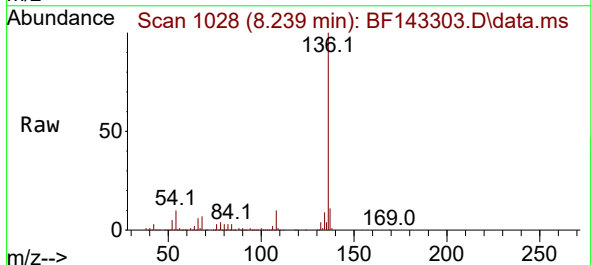
Instrument :
BNA_F
ClientSampleId :
VNJ-253

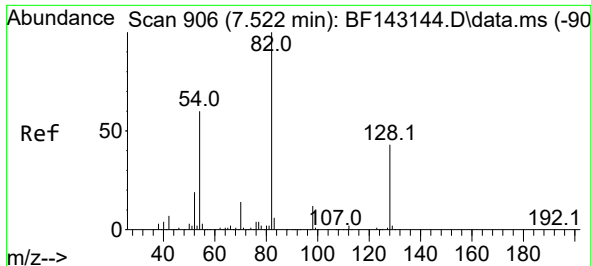
Tgt Ion: 99 Resp: 462656
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 32.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Tgt Ion: 136 Resp: 377002
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.5 8.2 12.2
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 38.506 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

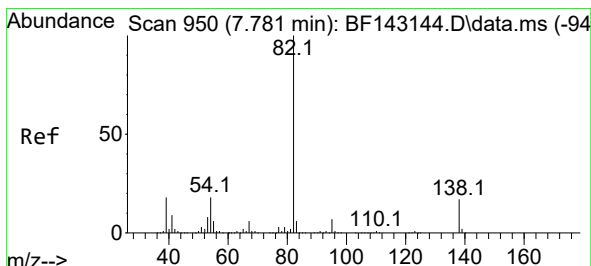
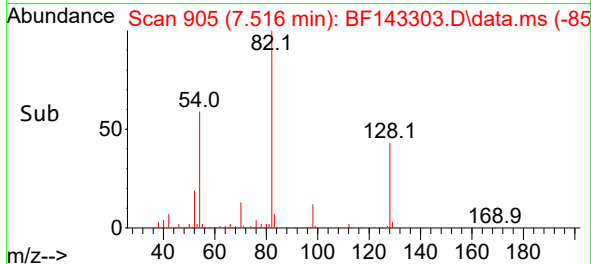
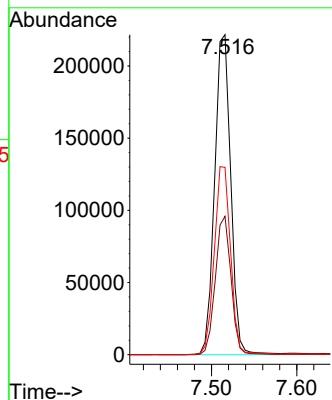
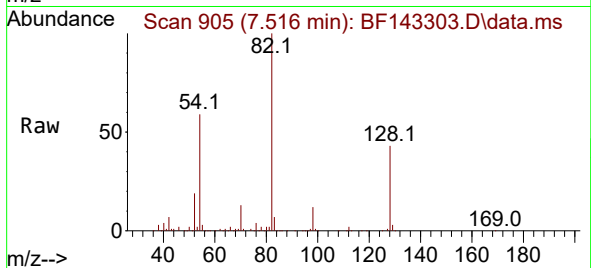
Tgt Ion: 82 Resp: 291230

Ion Ratio Lower Upper

82 100

128 43.3 33.6 50.4

54 58.6 47.1 70.7



#25

Isophorone

Concen: 21.420 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.265 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

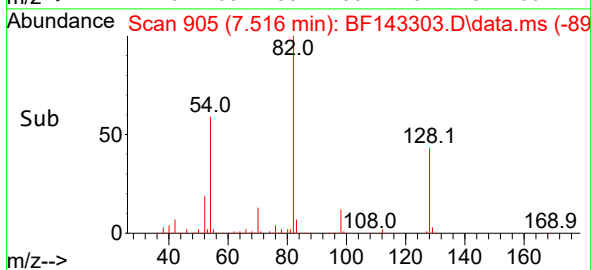
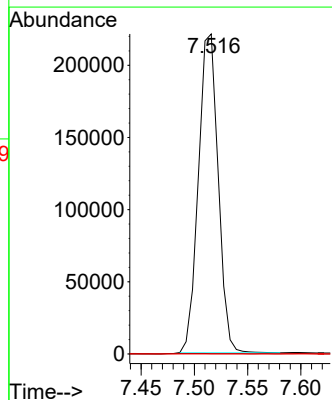
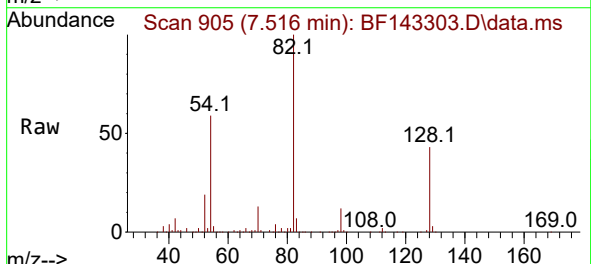
Tgt Ion: 82 Resp: 285989

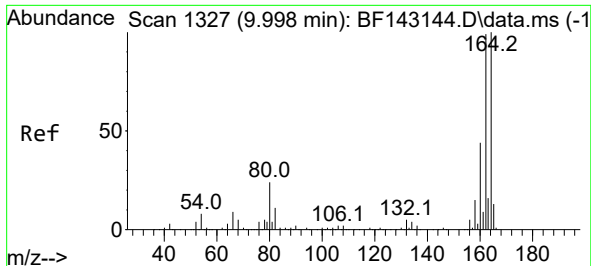
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 13.8 20.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

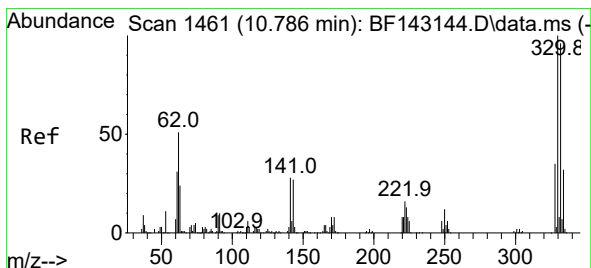
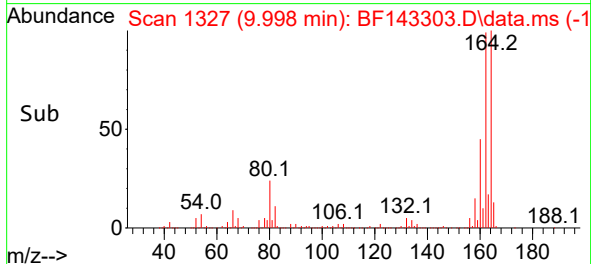
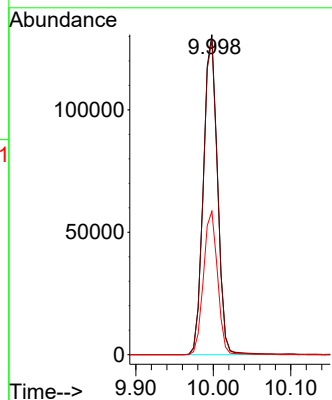
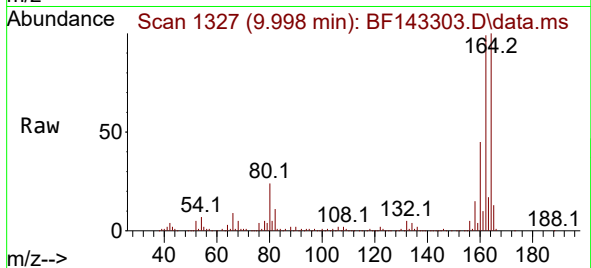
Tgt Ion:164 Resp: 165153

Ion Ratio Lower Upper

164 100

162 98.5 79.0 118.6

160 44.8 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 54.983 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

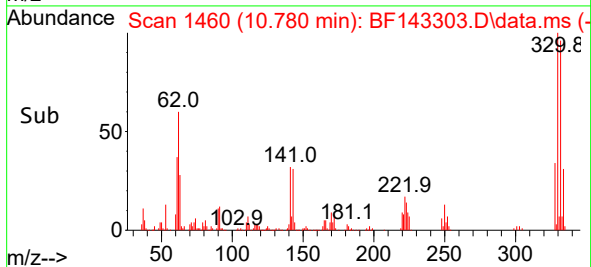
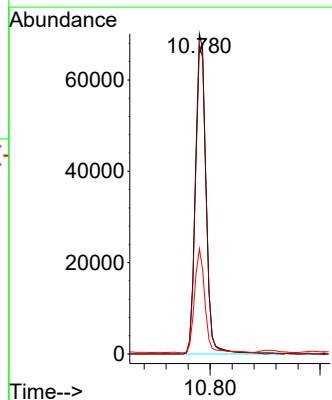
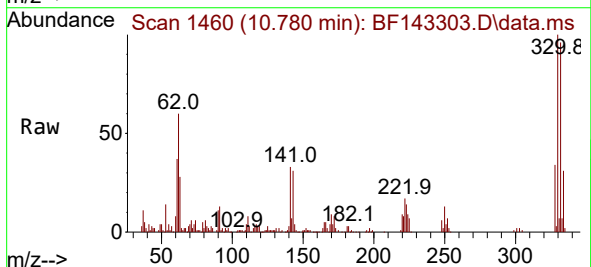
Tgt Ion:330 Resp: 93807

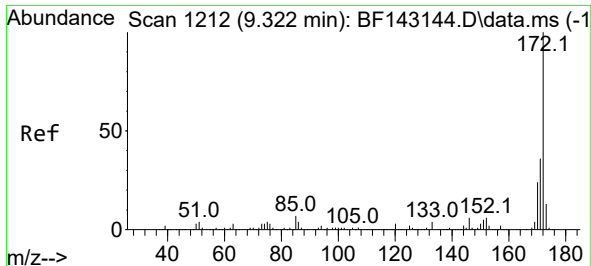
Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

141 32.0 23.3 34.9

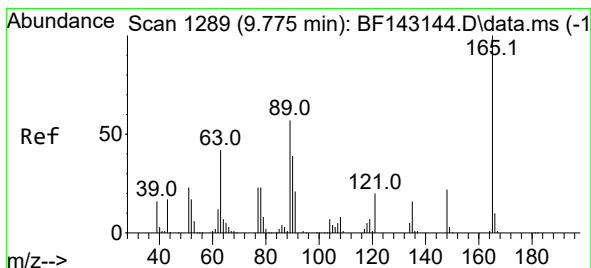
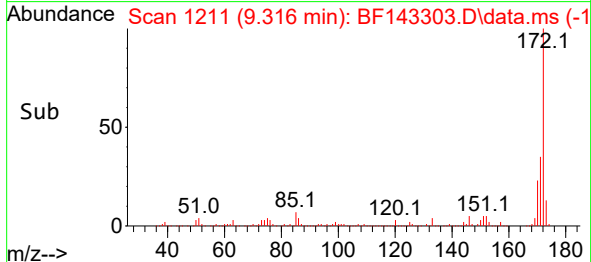
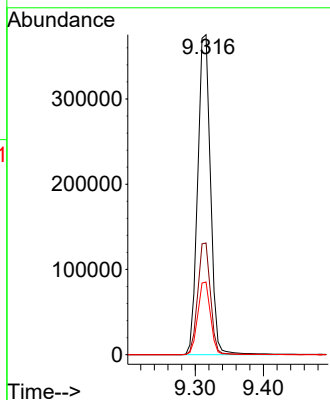
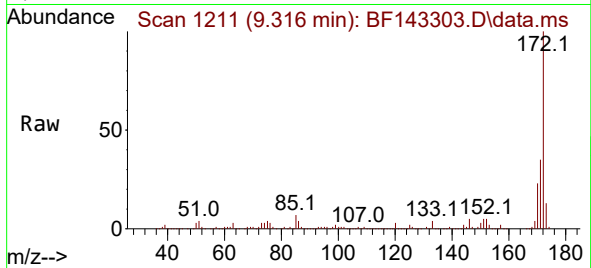




#45
2-Fluorobiphenyl
Concen: 40.512 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

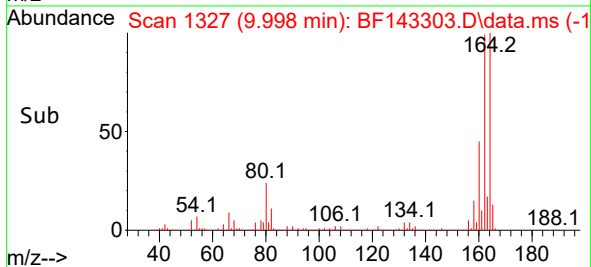
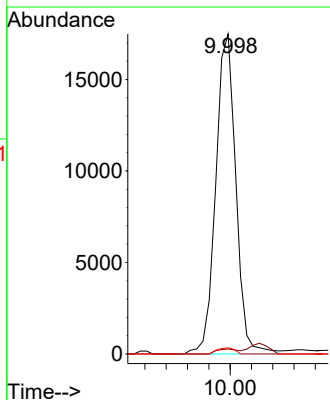
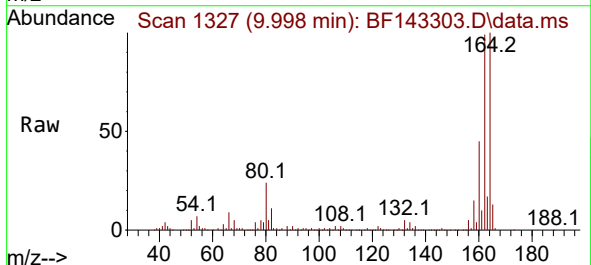
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ClientSampleId :
VNJ-253

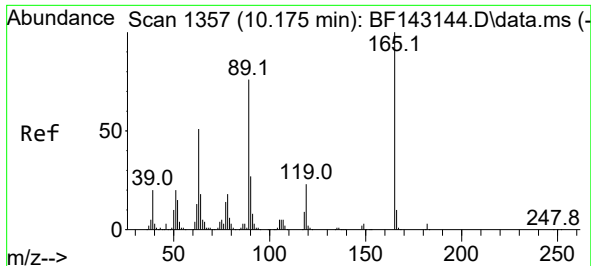
Tgt Ion:172 Resp: 489217
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.7 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.429 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Tgt Ion:165 Resp: 22838
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.2#
89 1.9 46.2 69.2#

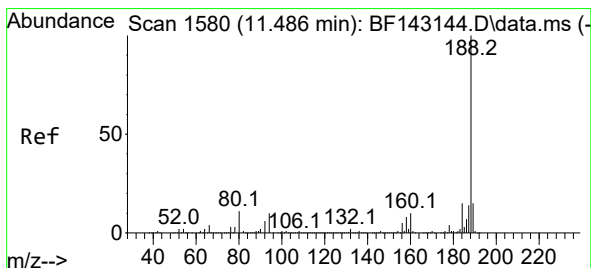
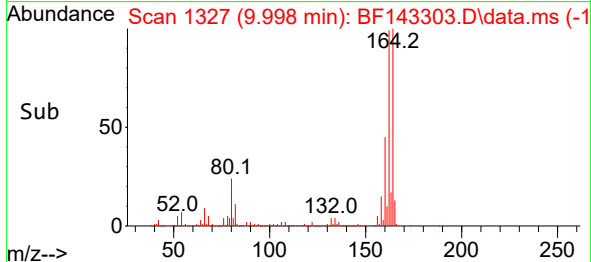
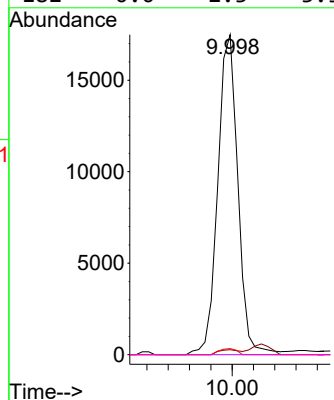
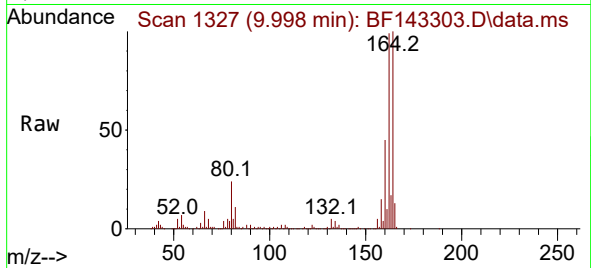




#57
2,4-Dinitrotoluene
Concen: 8.312 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

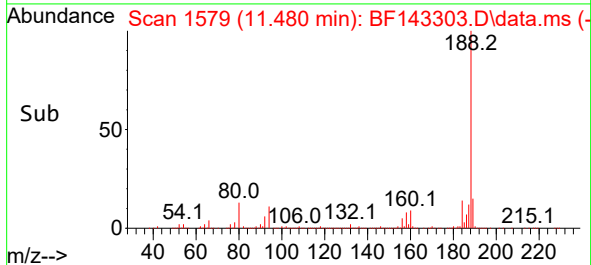
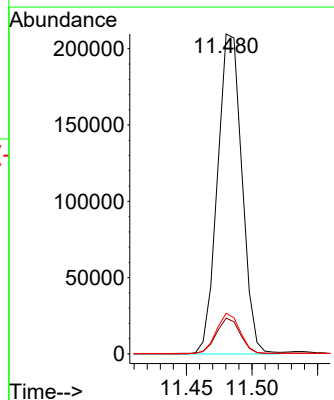
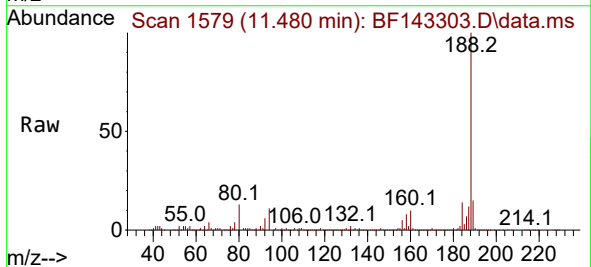
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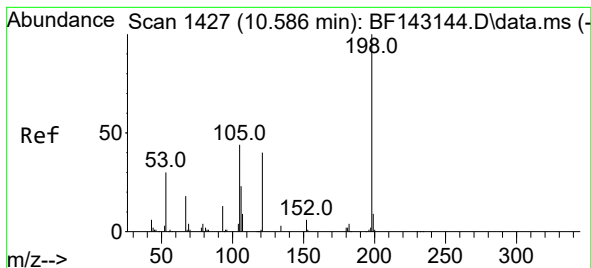
Tgt Ion:165 Resp: 22838
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.9 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

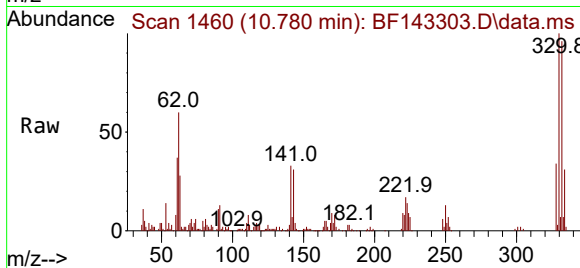
Tgt Ion:188 Resp: 272147
Ion Ratio Lower Upper
188 100
94 11.2 8.3 12.5
80 12.7 9.0 13.6



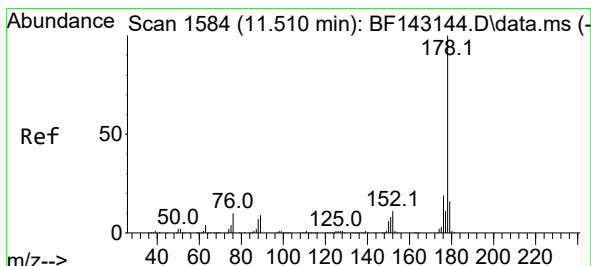
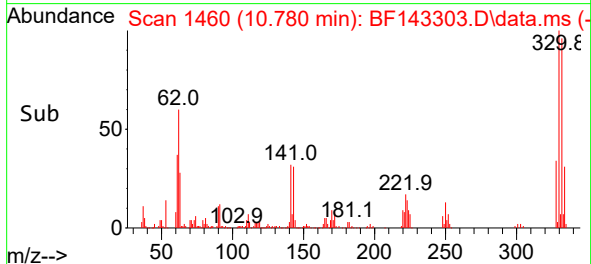
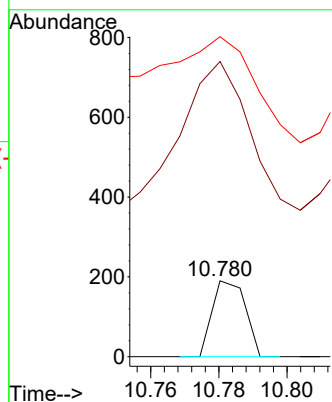


#65
4,6-Dinitro-2-methylphenol
Concen: 5.492 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Instrument :
BNA_F
ClientSampleId :
VNJ-253

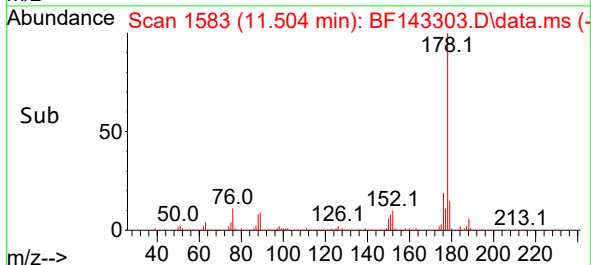
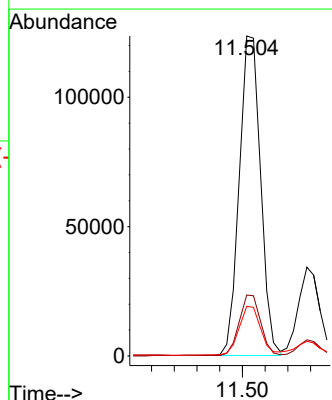
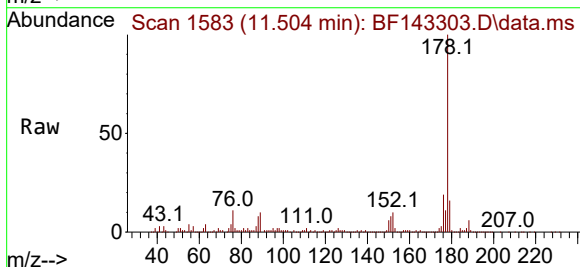


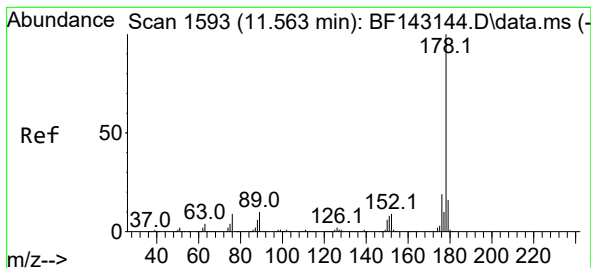
Tgt Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 389.5 37.2 77.2#
105 422.1 24.8 64.8#



#71
Phenanthrene
Concen: 11.119 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Tgt Ion:178 Resp: 160669
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 3.015 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

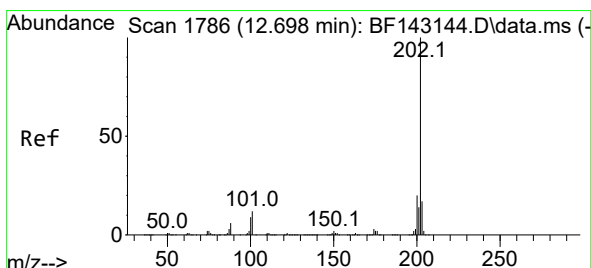
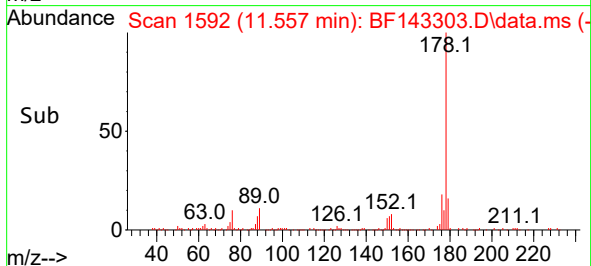
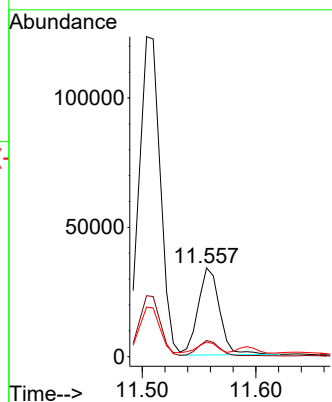
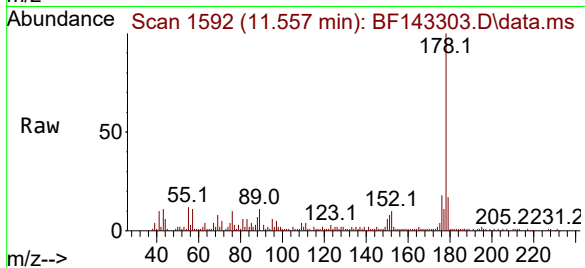
Tgt Ion:178 Resp: 44438

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 16.6 12.5 18.7



#75

Fluoranthene

Concen: 36.879 ng

RT: 12.698 min Scan# 1786

Delta R.T. -0.000 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

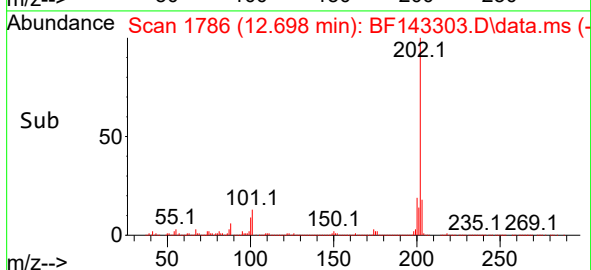
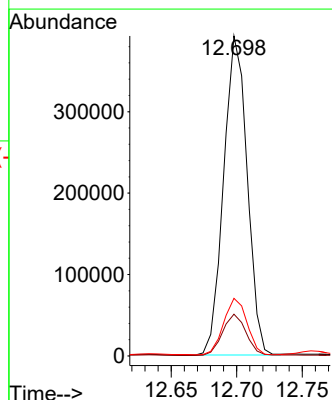
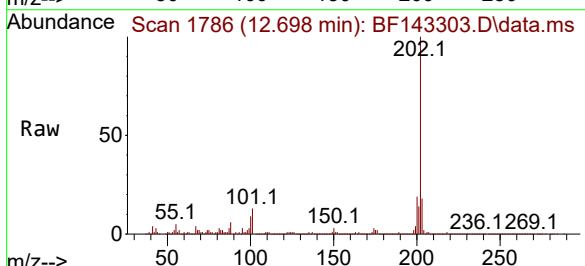
Tgt Ion:202 Resp: 489144

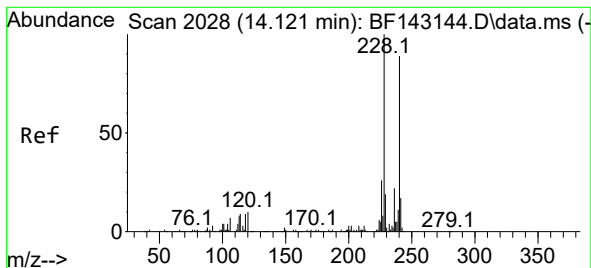
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.7

203 18.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

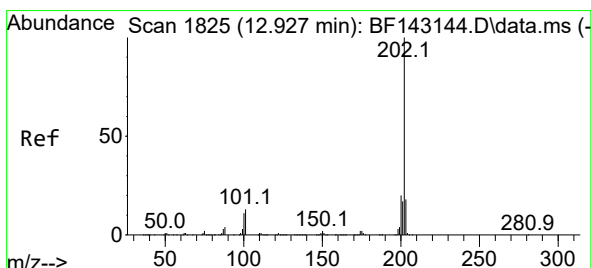
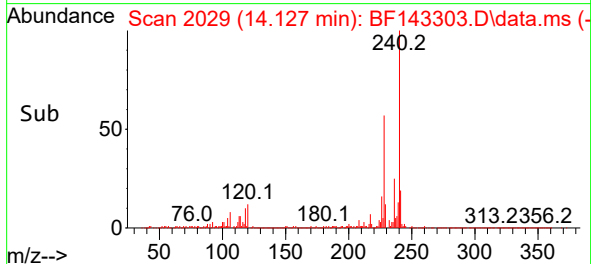
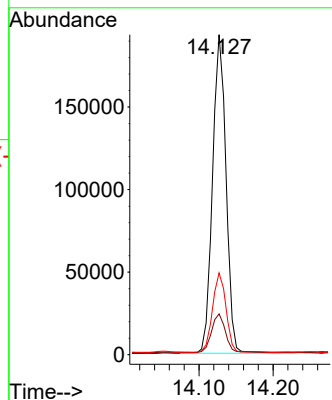
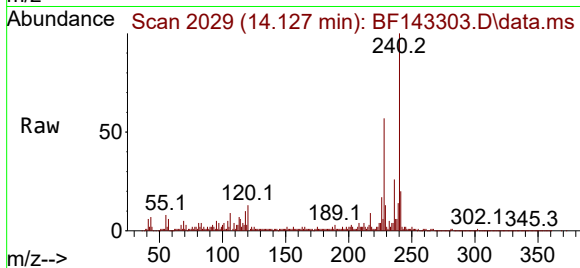
Tgt Ion:240 Resp: 243744

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

236 25.5 20.2 30.4



#78

Pyrene

Concen: 23.350 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.000 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

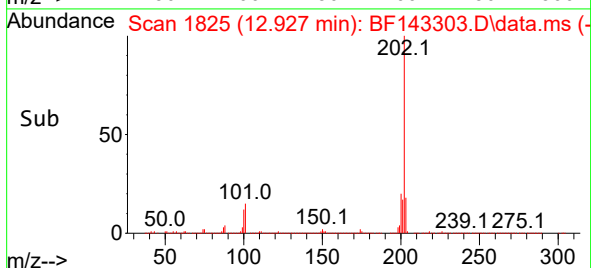
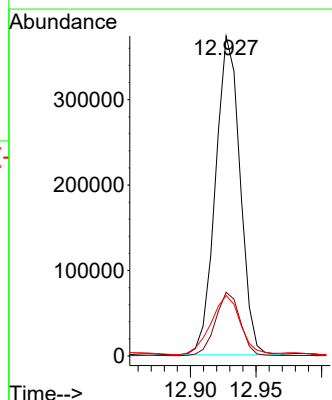
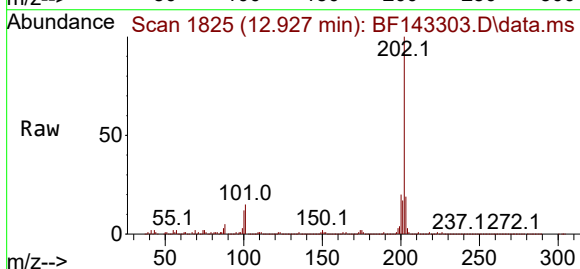
Tgt Ion:202 Resp: 485741

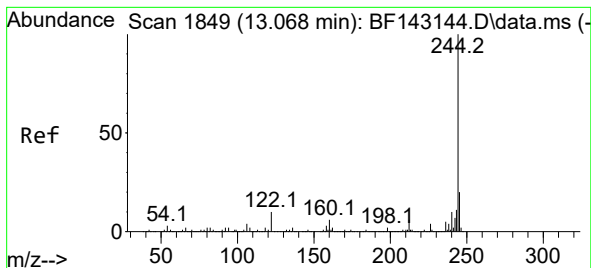
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 18.9 14.2 21.2





#79

Terphenyl-d14

Concen: 30.080 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

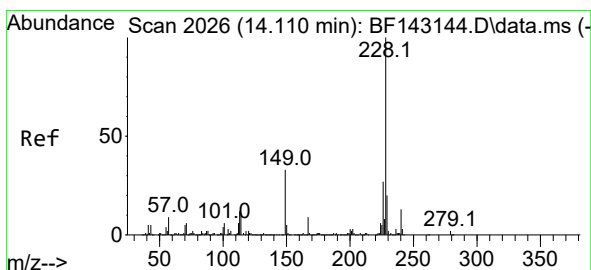
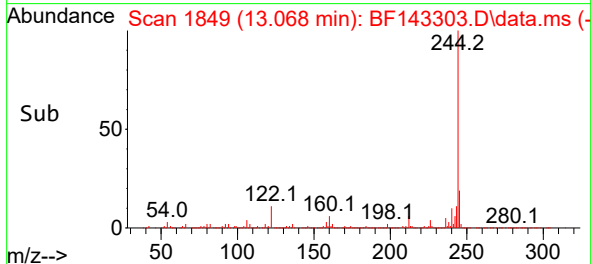
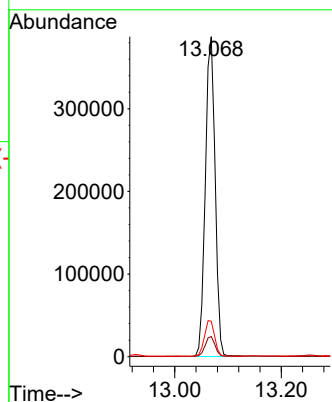
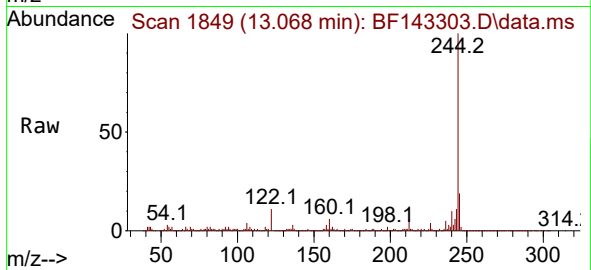
Tgt Ion:244 Resp: 492692

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 11.1 8.2 12.2



#81

Benzo(a)anthracene

Concen: 16.551 ng

RT: 14.115 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

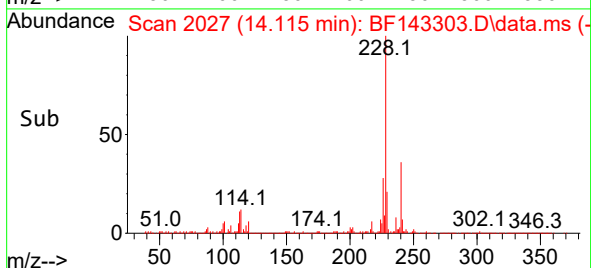
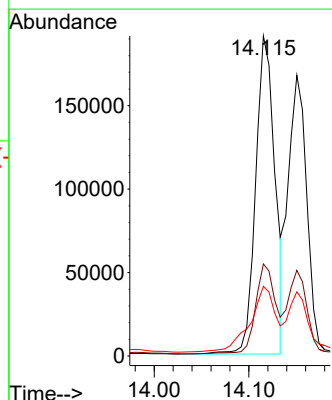
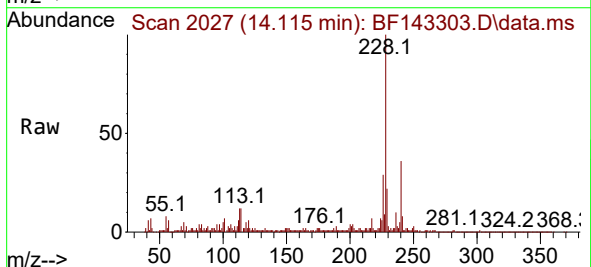
Tgt Ion:228 Resp: 270090

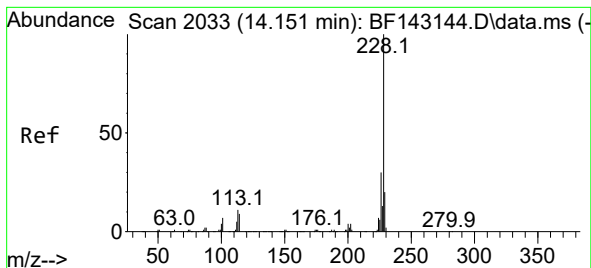
Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

229 21.8 15.8 23.6





#83

Chrysene

Concen: 15.480 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

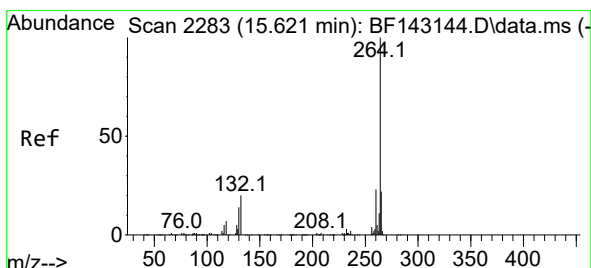
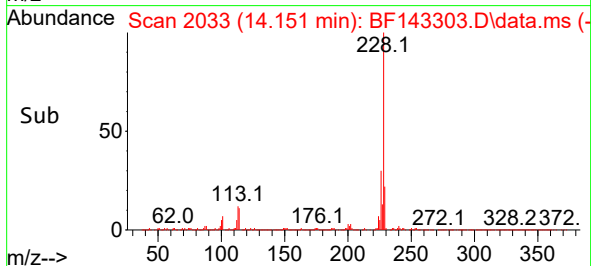
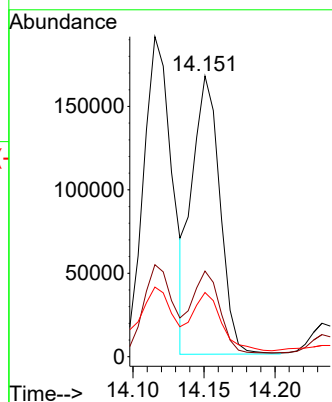
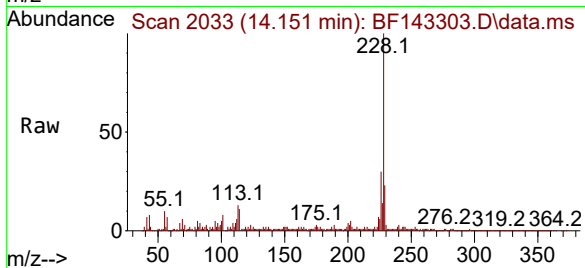
Tgt Ion:228 Resp: 227128

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.8

229 22.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

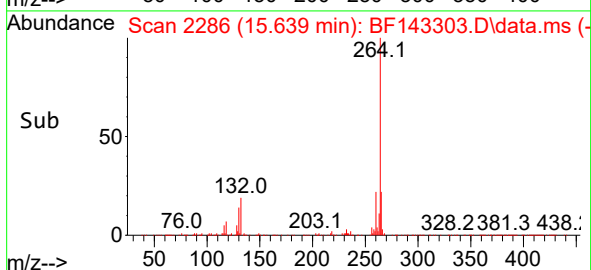
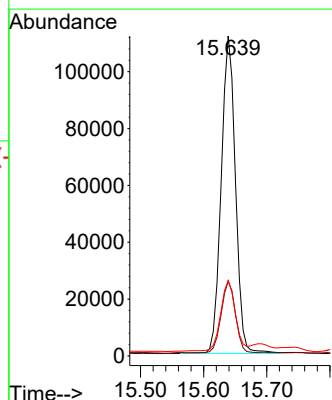
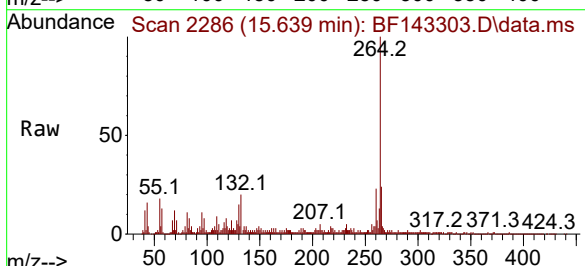
Tgt Ion:264 Resp: 174997

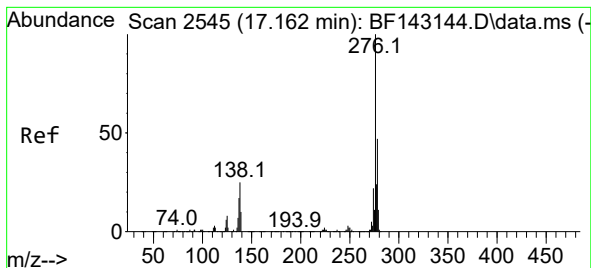
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 23.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.887 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

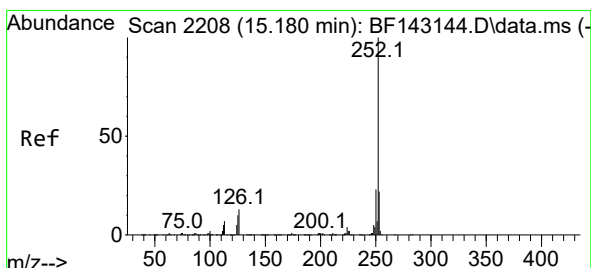
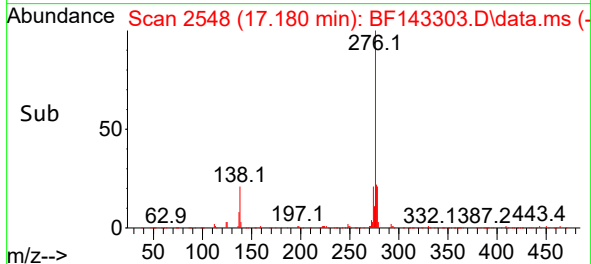
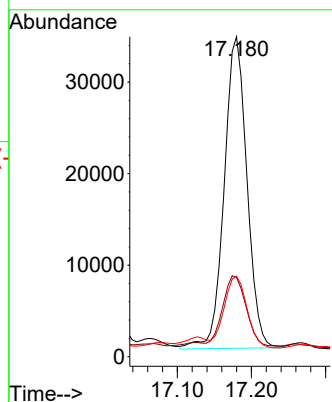
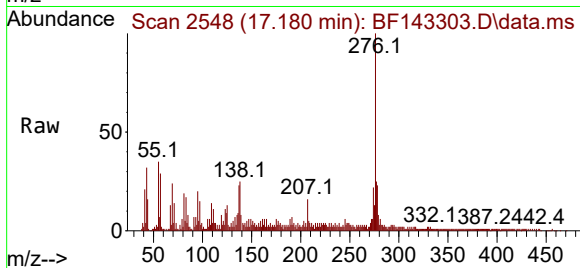
Tgt Ion:276 Resp: 72642

Ion Ratio Lower Upper

276 100

138 23.0 21.8 32.6

277 23.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 26.527 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

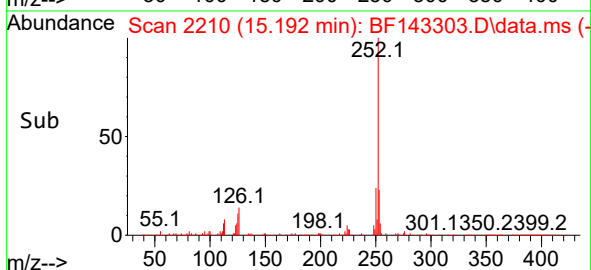
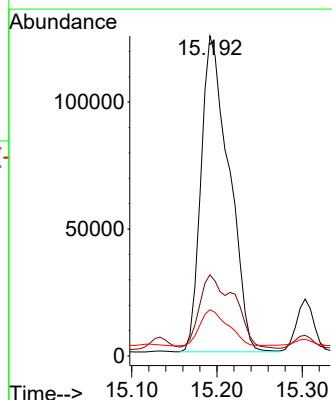
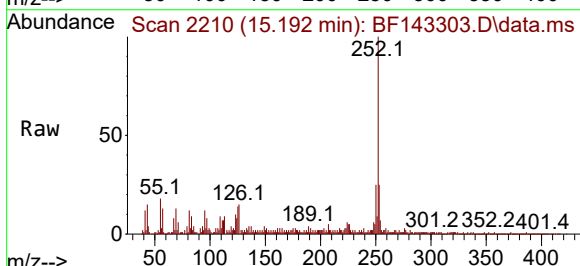
Tgt Ion:252 Resp: 283595

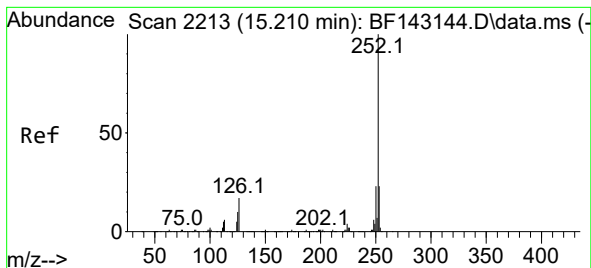
Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 14.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 29.727 ng

RT: 15.192 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

Instrument :

BNA_F

ClientSampleId :

VNJ-253

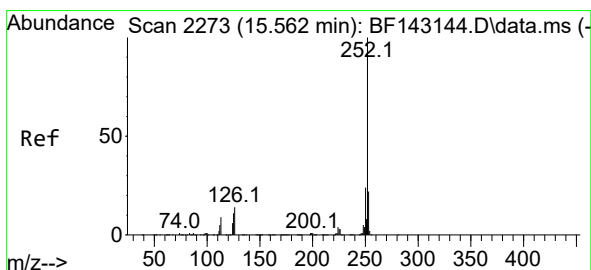
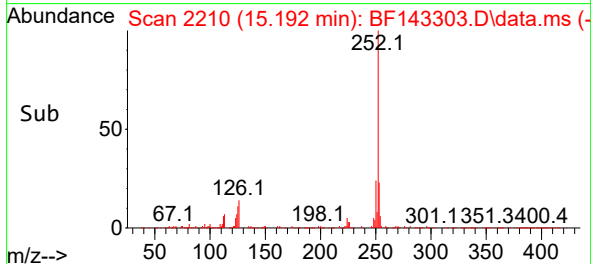
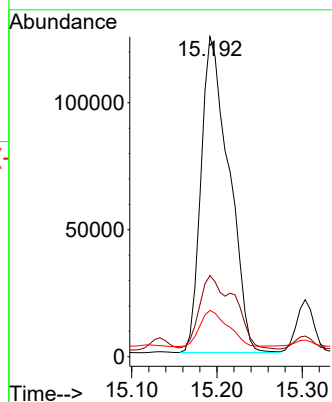
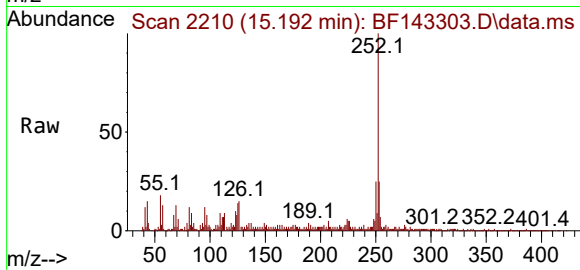
Tgt Ion:252 Resp: 283595

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 14.4 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 14.249 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143303.D

Acq: 04 Aug 2025 18:32

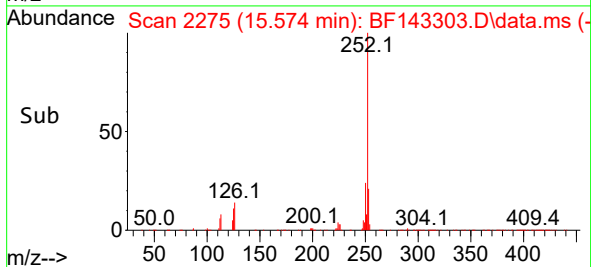
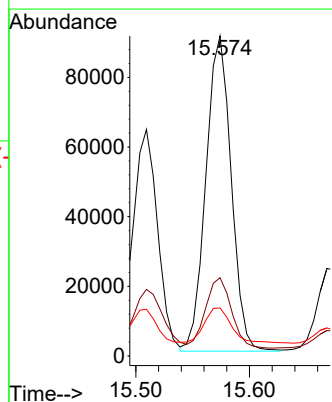
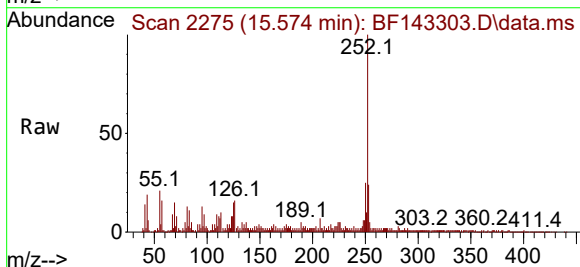
Tgt Ion:252 Resp: 140350

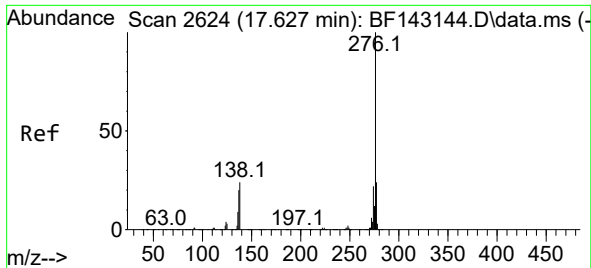
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

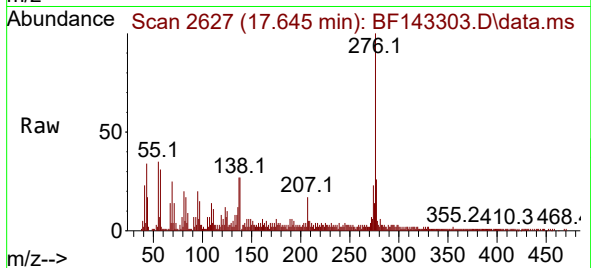
125 15.0 8.6 13.0#





#92
Benzo(g,h,i)perylene
Concen: 7.271 ng
RT: 17.645 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF143303.D
Acq: 04 Aug 2025 18:32

Instrument :
BNA_F
ClientSampleId :
VNJ-253



Tgt Ion:	276	Resp:	70644
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.1	28.7
138	27.2	18.9	28.3

