

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142511.D
 Acq On : 22 May 2025 15:36
 Operator : RC/JU
 Sample : Q2075-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-910

Quant Time: May 22 16:00:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

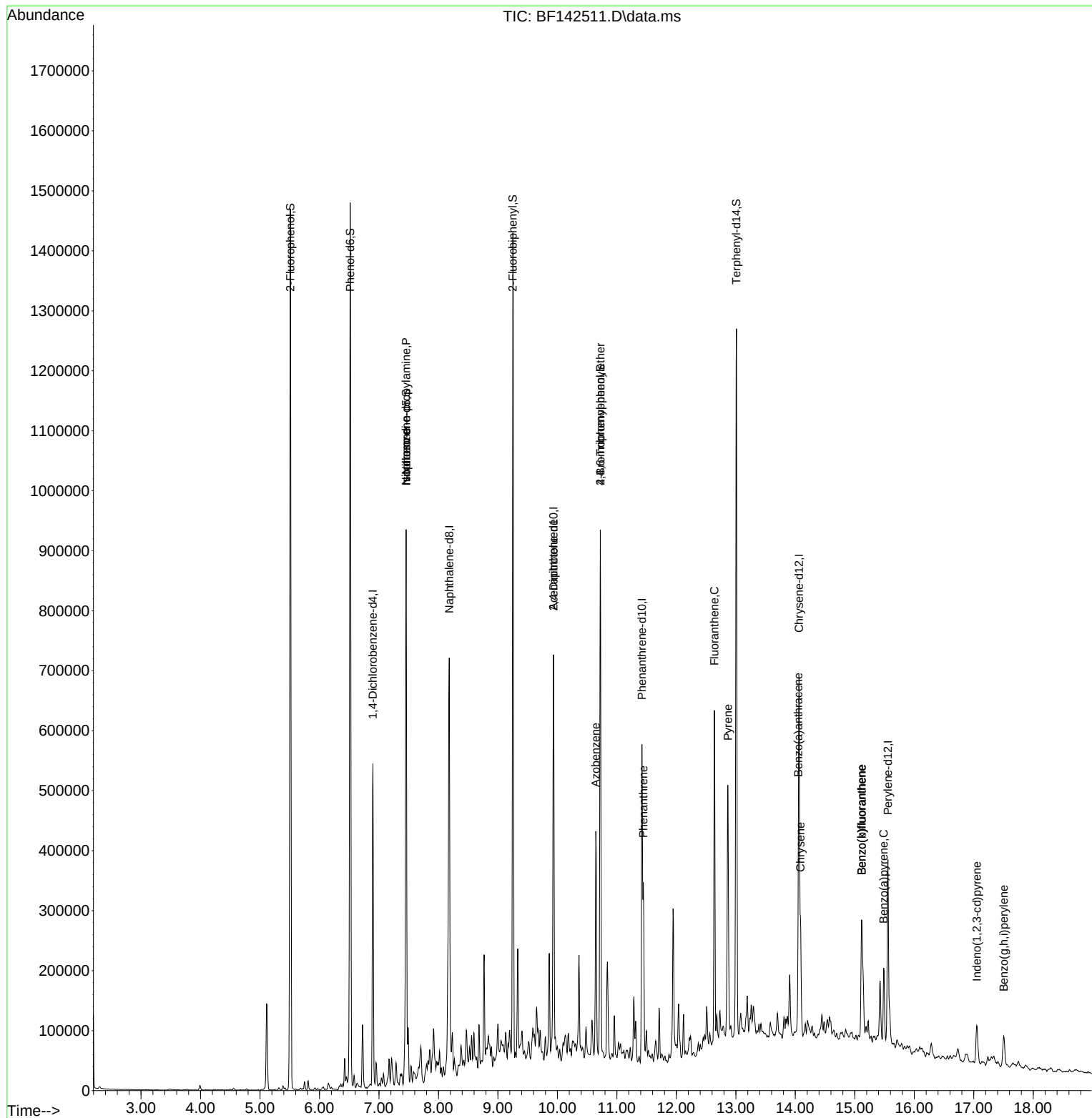
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	116551	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	418491	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	190753	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	271357	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	225312	20.000	ng	-0.01
86) Perylene-d12	15.557	264	176642	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	559108	80.820	ng	0.00
7) Phenol-d6	6.516	99	696541	83.643	ng	-0.02
23) Nitrobenzene-d5	7.457	82	379750	49.481	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	149863	70.786	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	613147	43.132	ng	-0.02
79) Terphenyl-d14	13.010	244	583115	35.367	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	57628	11.166	ng	# 76
25) Isophorone	7.457	82	356087	27.751	ng	# 63
57) 2,4-Dinitrotoluene	9.934	165	25445	7.172	ng	# 29
63) Azobenzene	10.645	77	89347	8.092	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	9332	2.908	ng	# 1
71) Phenanthrene	11.445	178	154382	10.646	ng	99
75) Fluoranthene	12.639	202	312382	23.053	ng	99
78) Pyrene	12.869	202	252362	12.007	ng	99
81) Benzo(a)anthracene	14.051	228	106630	7.087	ng	96
83) Chrysene	14.086	228	105623	7.813	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	47543	3.585	ng	98
88) Benzo(b)fluoranthene	15.116	252	172464	16.497	ng	# 96
89) Benzo(k)fluoranthene	15.116	252	172464	17.613	ng	# 96
90) Benzo(a)pyrene	15.486	252	75357	7.647	ng	96
92) Benzo(g,h,i)perylene	17.504	276	44718	4.157	ng	97

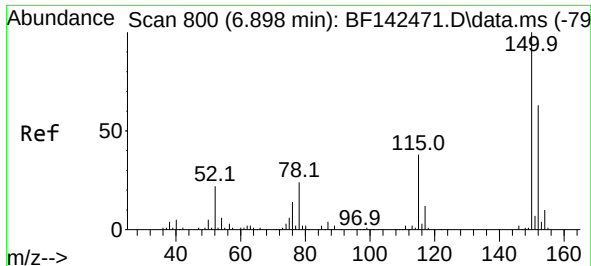
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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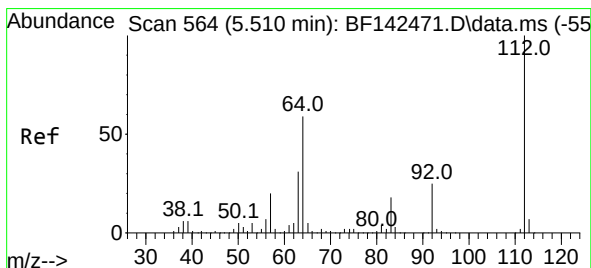
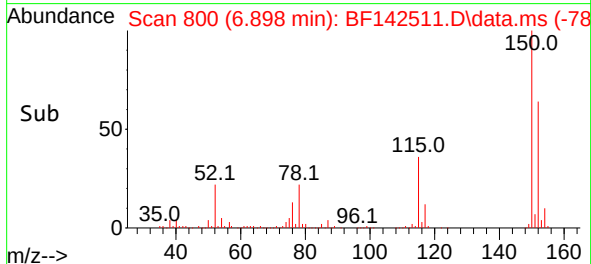
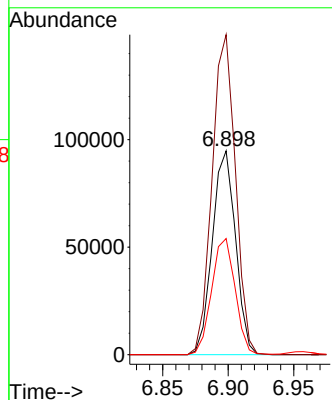
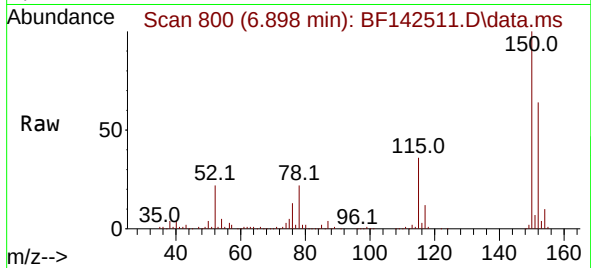




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

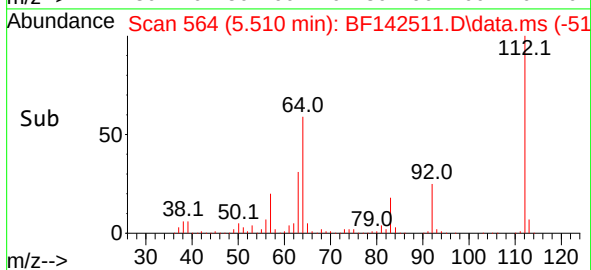
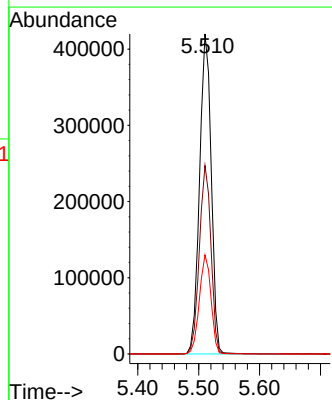
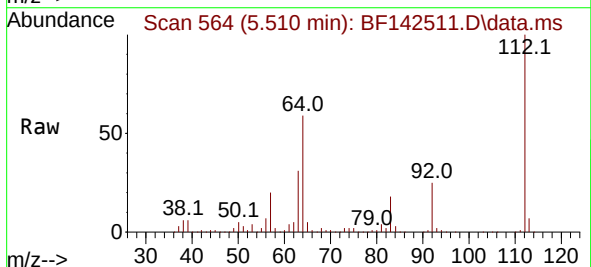
Instrument :
BNA_F
ClientSampleId :
SS-910

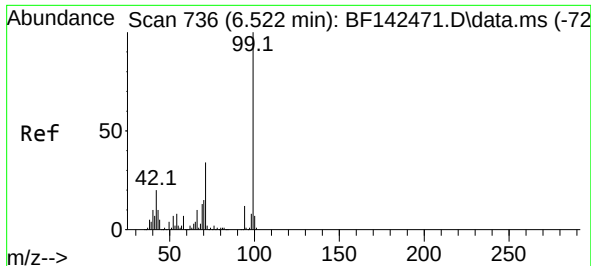
Tgt Ion:152 Resp: 116551
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 57.0 48.3 72.5



#5
2-Fluorophenol
Concen: 80.820 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion:112 Resp: 559108
Ion Ratio Lower Upper
112 100
64 58.9 47.5 71.3
63 31.0 24.9 37.3





#7
Phenol-d6
Concen: 83.643 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

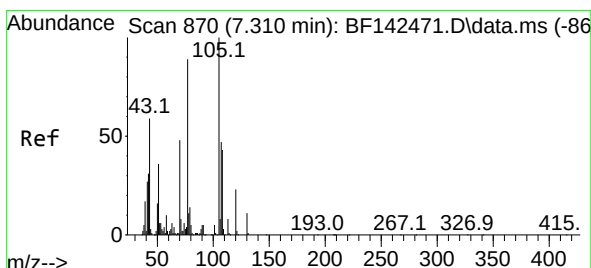
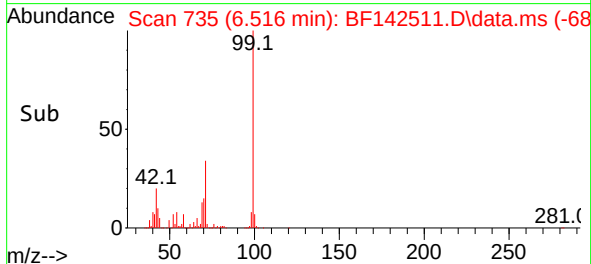
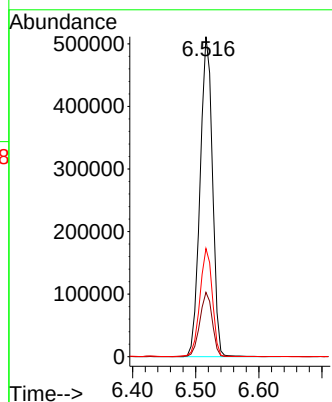
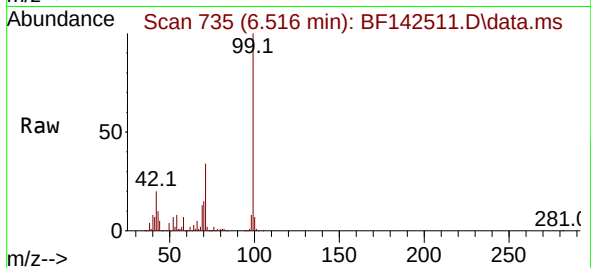
Instrument :

BNA_F

ClientSampleId :

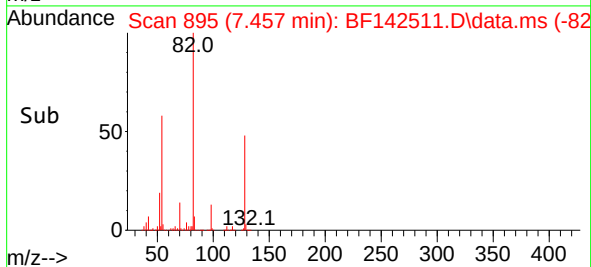
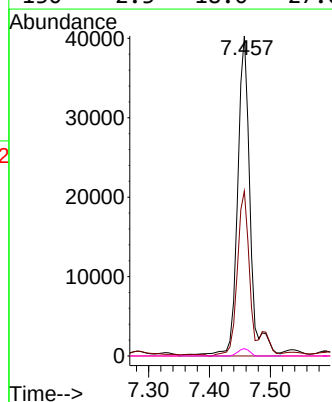
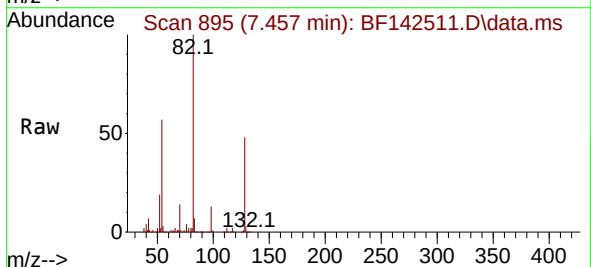
SS-910

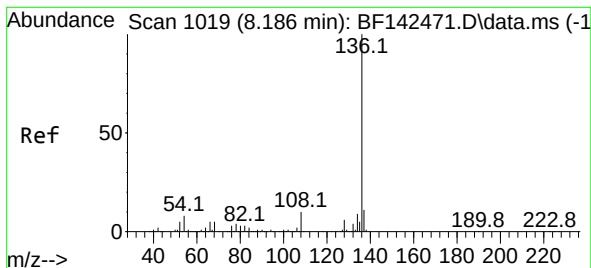
Tgt Ion: 99 Resp: 696541
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.166 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion: 70 Resp: 57628
Ion Ratio Lower Upper
70 100
42 51.5 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

Tgt Ion:136 Resp: 418491

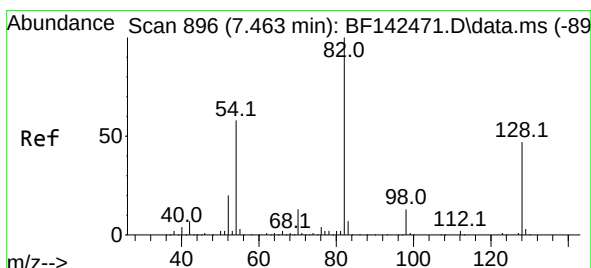
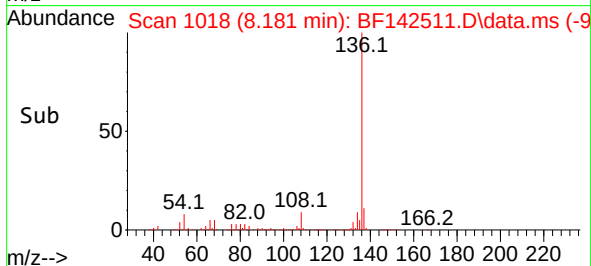
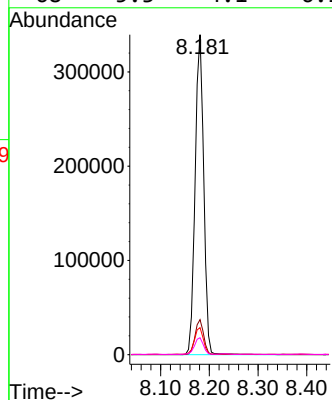
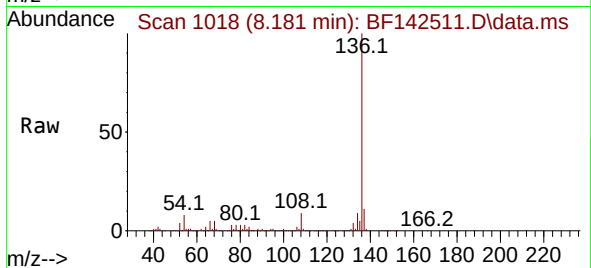
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.5 6.6 10.0

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 49.481 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

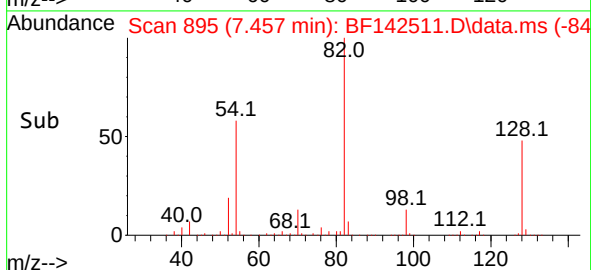
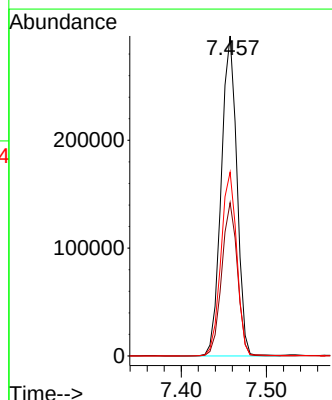
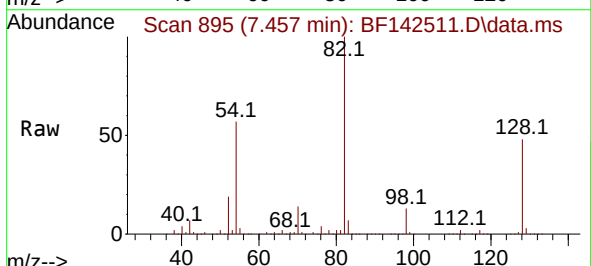
Tgt Ion: 82 Resp: 379750

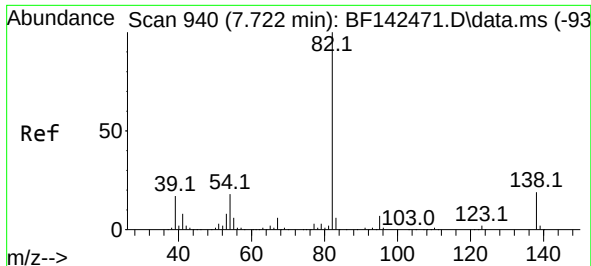
Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 57.5 46.6 70.0

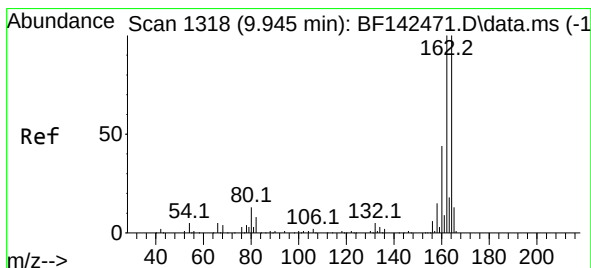
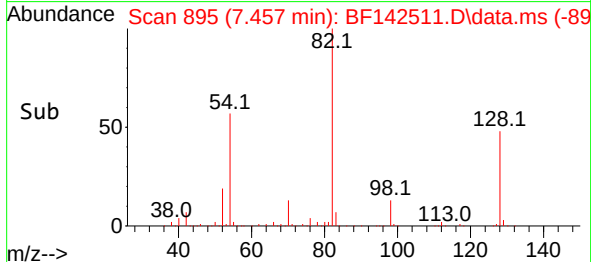
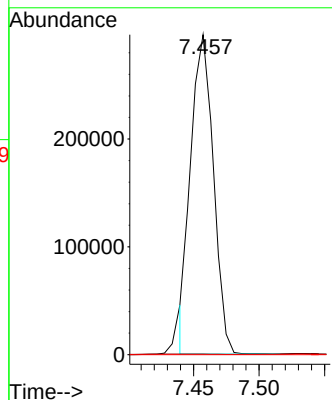
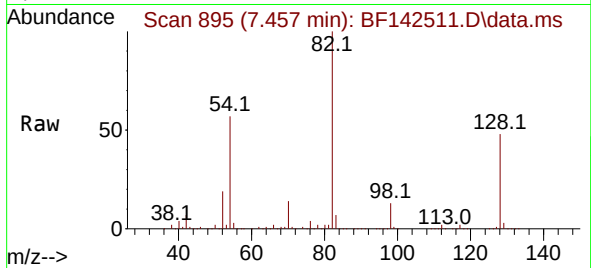




#25
Isophorone
Concen: 27.751 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

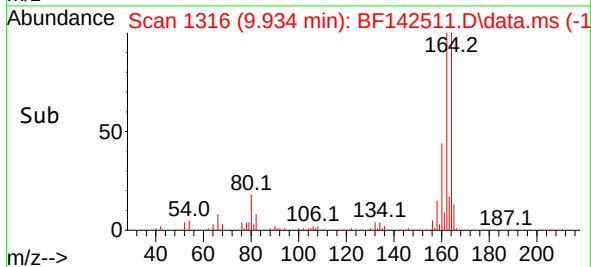
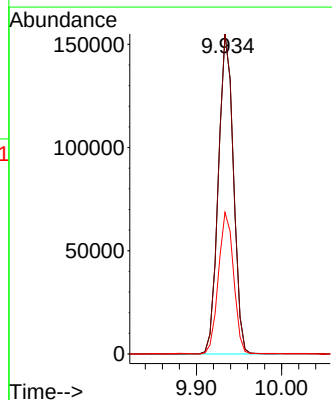
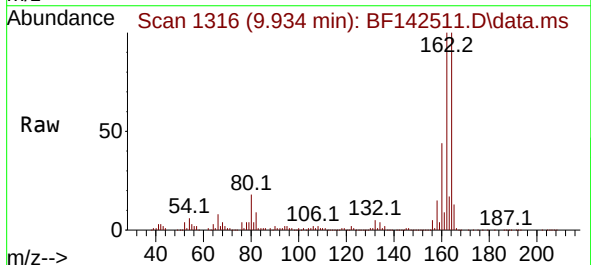
Instrument :
BNA_F
ClientSampleId :
SS-910

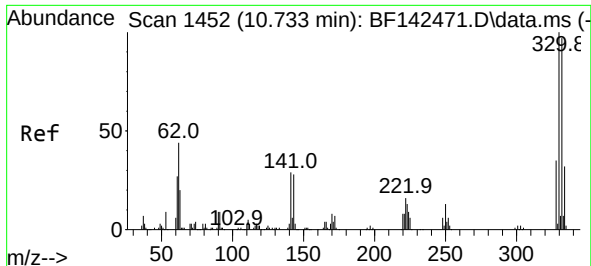
Tgt Ion: 82 Resp: 356087
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion: 164 Resp: 190753
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 70.786 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

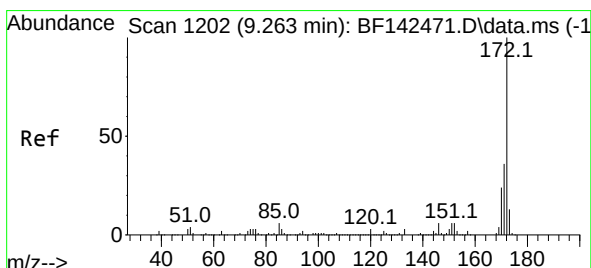
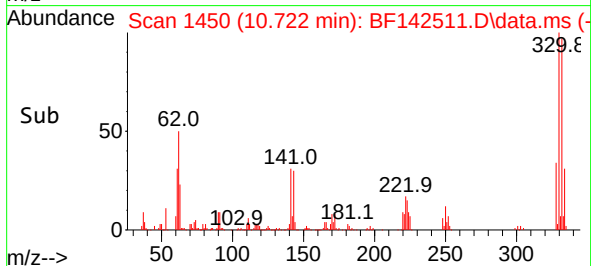
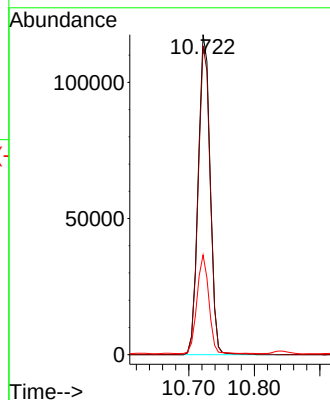
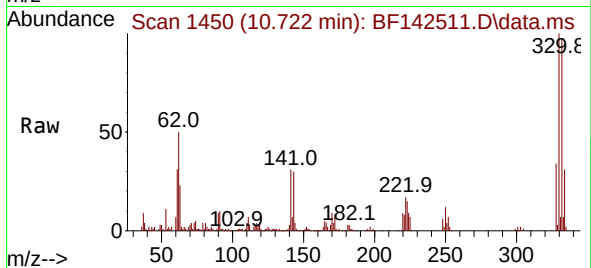
Tgt Ion:330 Resp: 149863

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 30.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 43.132 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

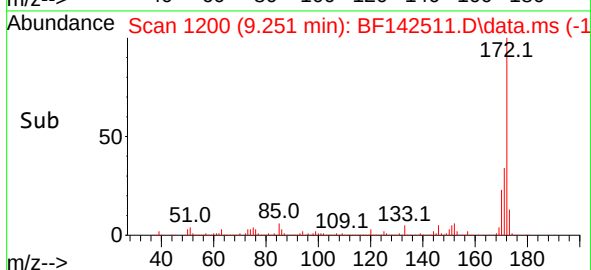
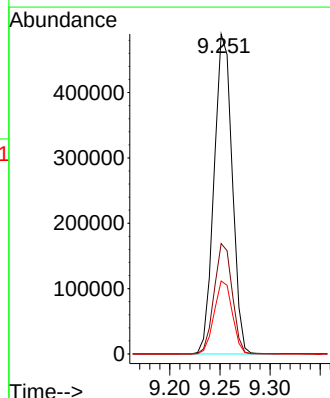
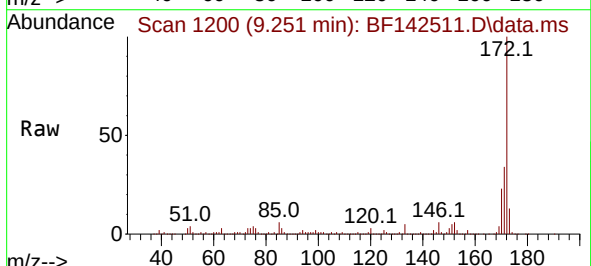
Tgt Ion:172 Resp: 613147

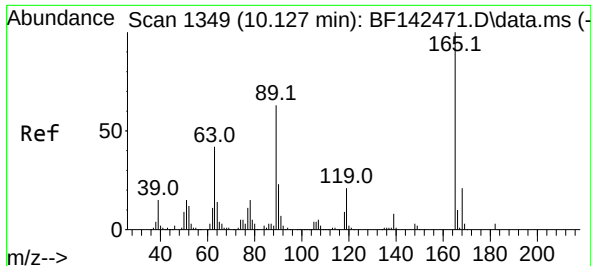
Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 22.8 18.9 28.3

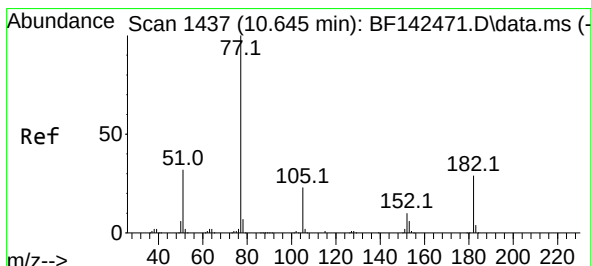
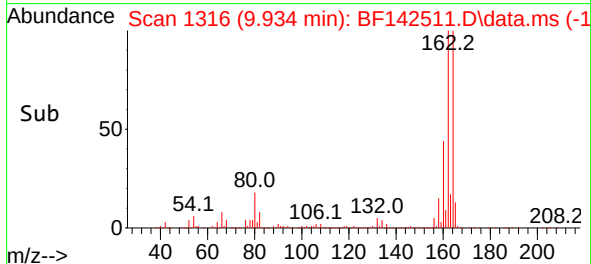
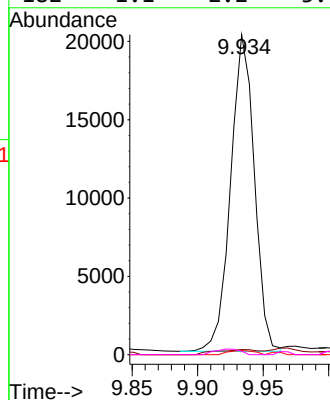
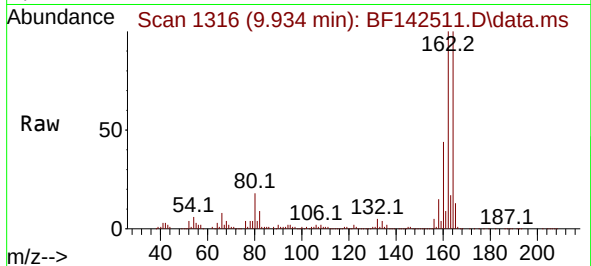




#57
2,4-Dinitrotoluene
Concen: 7.172 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

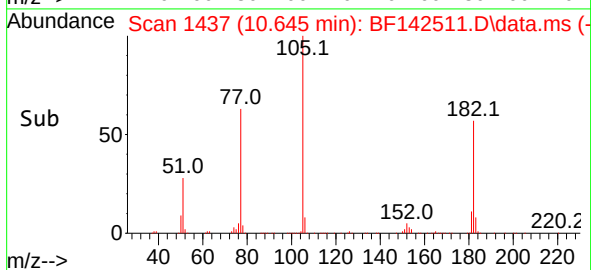
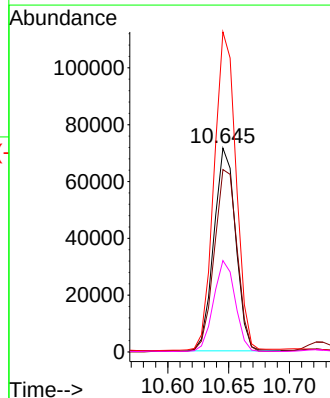
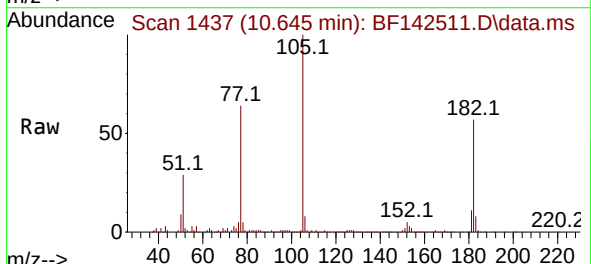
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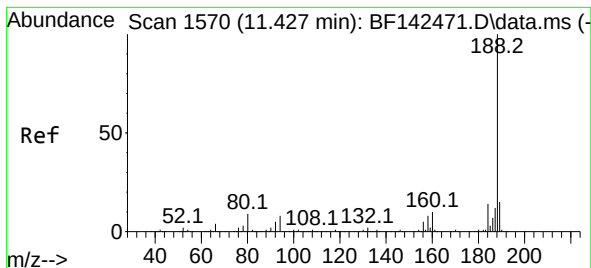
Tgt Ion:165 Resp: 25445
Ion Ratio Lower Upper
165 100
63 1.6 33.6 50.4#
89 1.3 50.2 75.4#
182 1.1 2.2 3.4#



#63
Azobenzene
Concen: 8.092 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion: 77 Resp: 89347
Ion Ratio Lower Upper
77 100
182 89.5 9.0 49.0#
105 156.9 2.4 42.4#
51 44.8 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

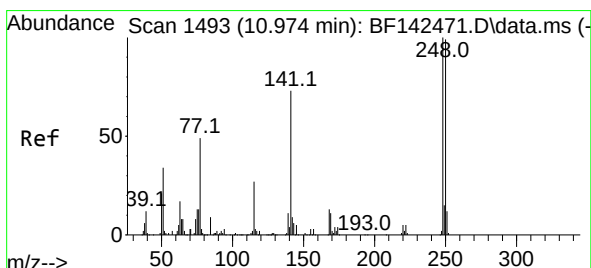
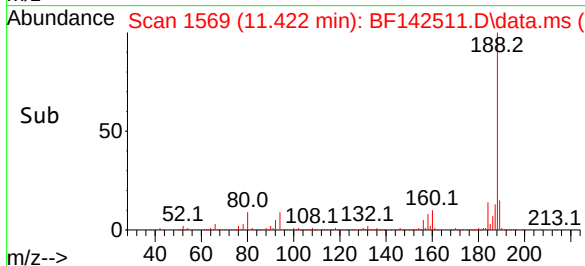
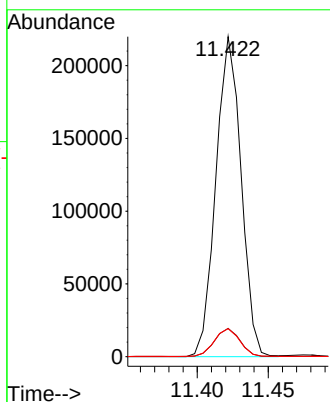
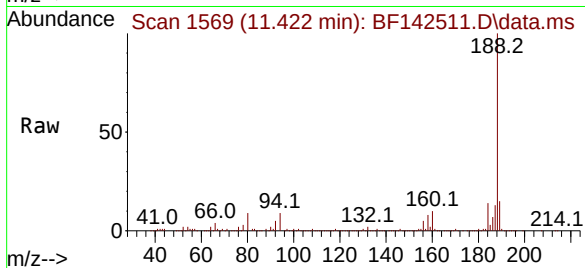
Tgt Ion:188 Resp: 271357

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 8.8 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.908 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

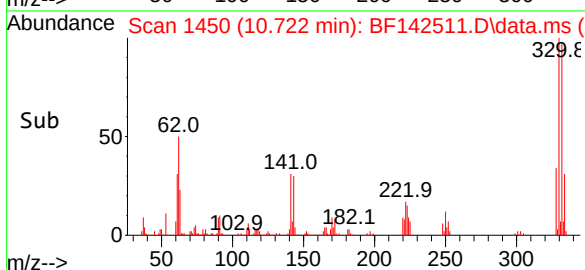
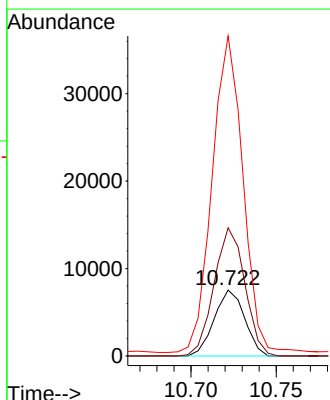
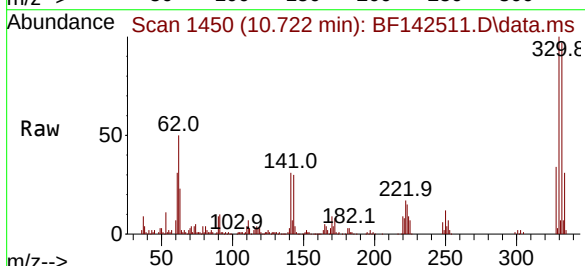
Tgt Ion:248 Resp: 9332

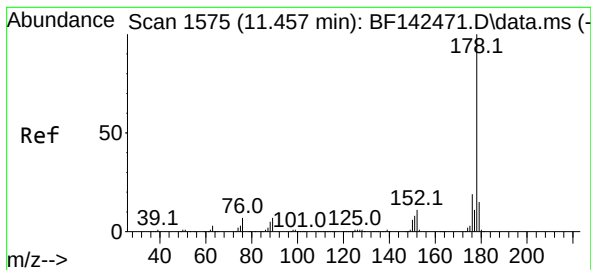
Ion Ratio Lower Upper

248 100

250 194.6 79.0 118.4#

141 485.5 58.4 87.6#





#71

Phenanthrene

Concen: 10.646 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

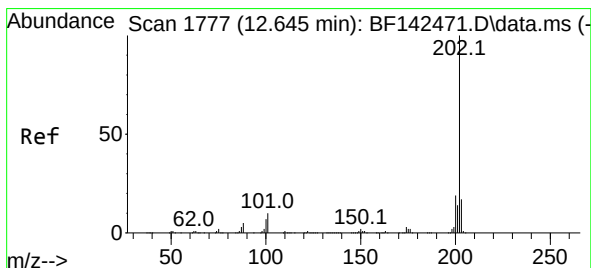
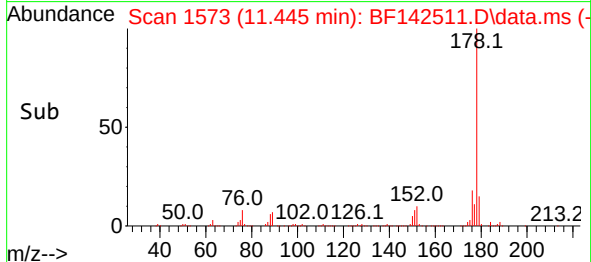
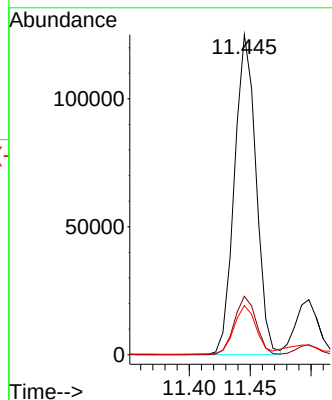
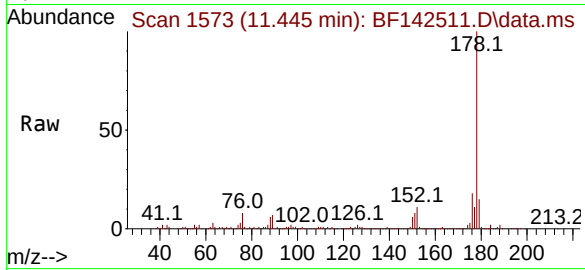
Tgt Ion:178 Resp: 154382

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.4 12.3 18.5



#75

Fluoranthene

Concen: 23.053 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

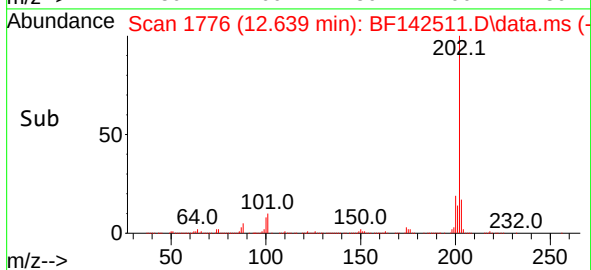
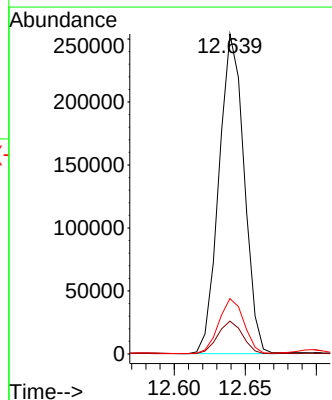
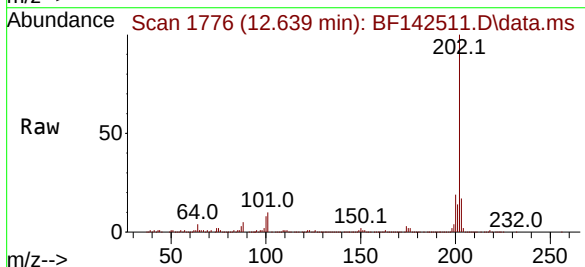
Tgt Ion:202 Resp: 312382

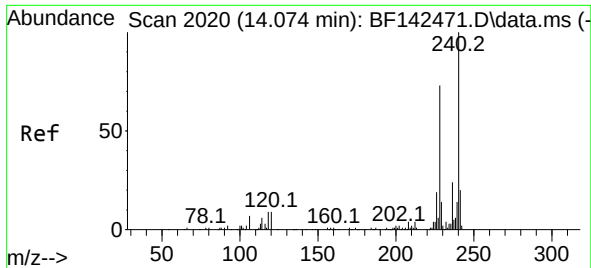
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

203 17.3 0.0 37.2

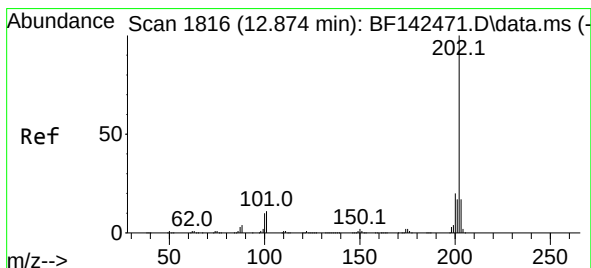
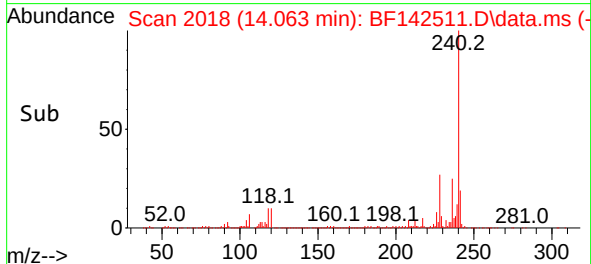
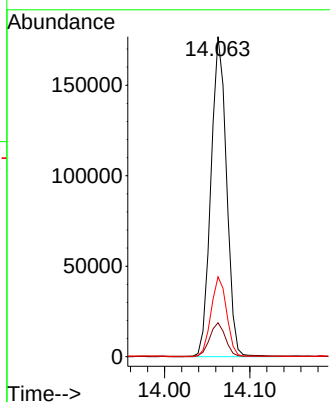
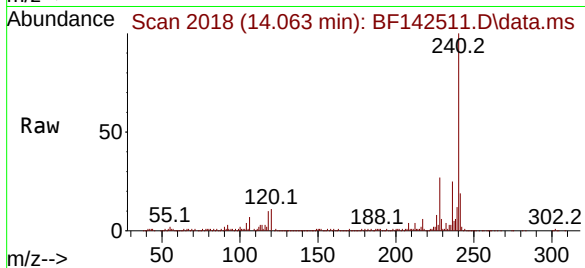




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

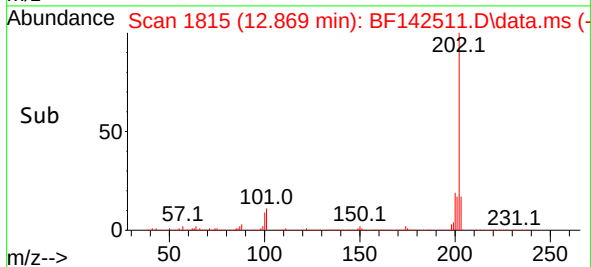
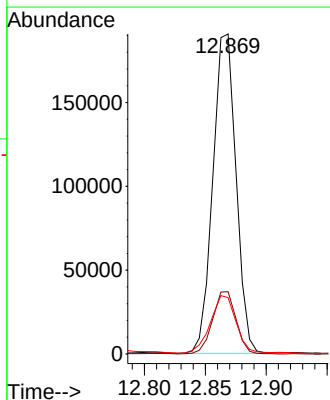
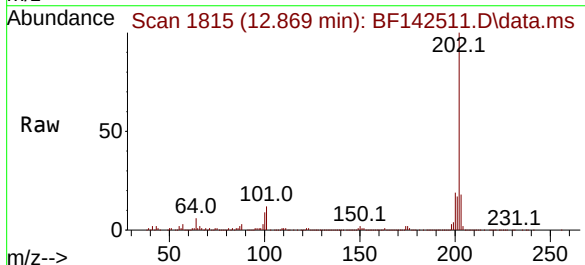
Instrument :
BNA_F
ClientSampleId :
SS-910

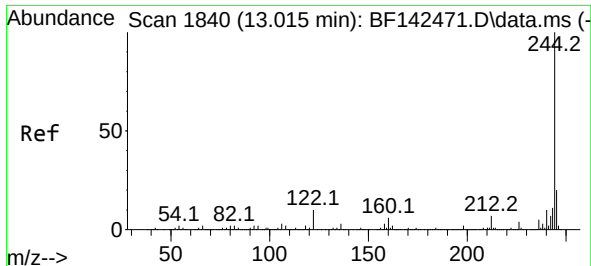
Tgt Ion:240 Resp: 225312
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 24.9 19.6 29.4



#78
Pyrene
Concen: 12.007 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion:202 Resp: 252362
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.6 13.9 20.9

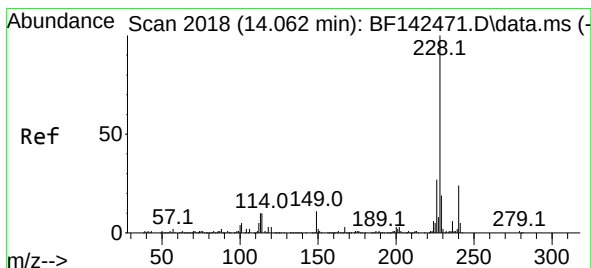
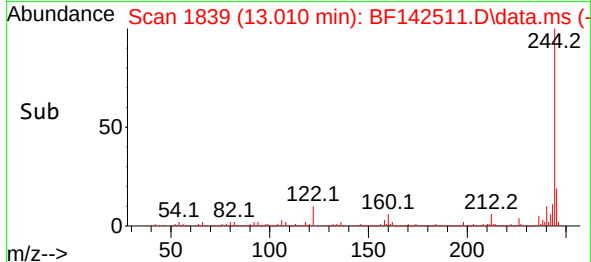
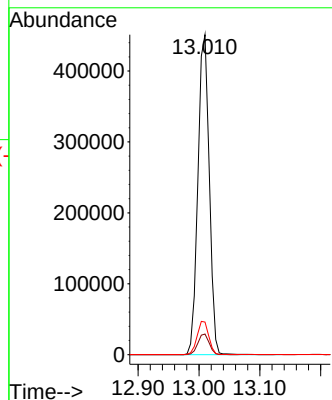
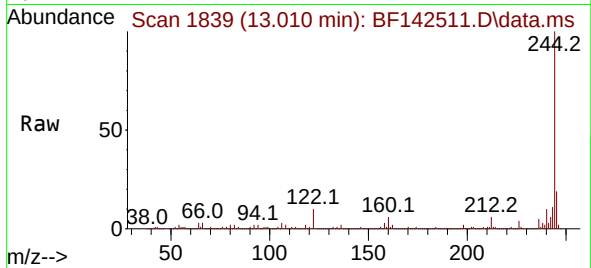




#79
 Terphenyl-d14
 Concen: 35.367 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142511.D
 Acq: 22 May 2025 15:36

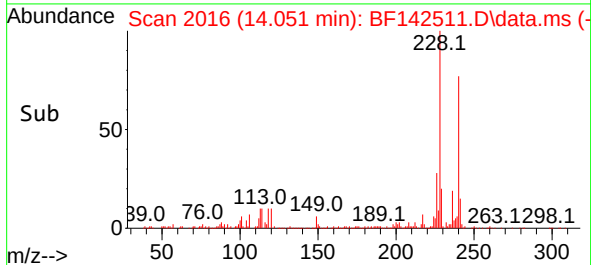
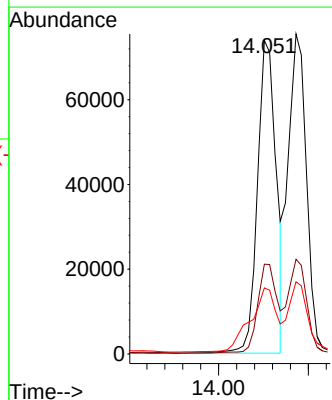
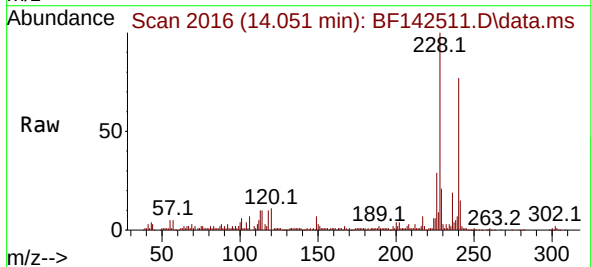
Instrument :
 BNA_F
 ClientSampleId :
 SS-910

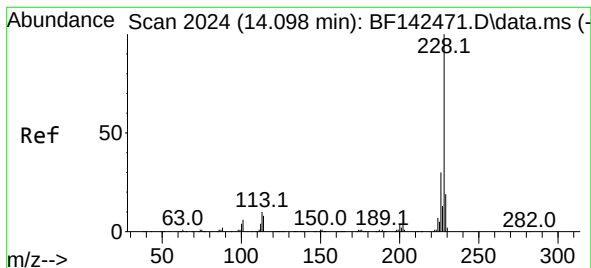
Tgt Ion:244 Resp: 583115
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.2 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 7.087 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF142511.D
 Acq: 22 May 2025 15:36

Tgt Ion:228 Resp: 106630
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.2 31.8
 229 21.1 15.5 23.3





#83

Chrysene

Concen: 7.813 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

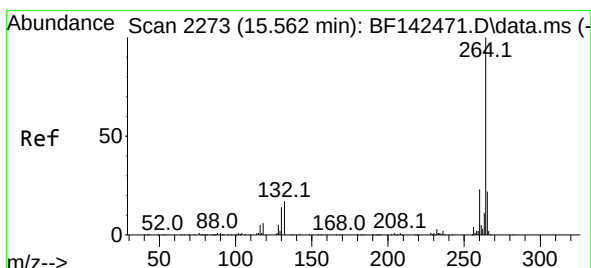
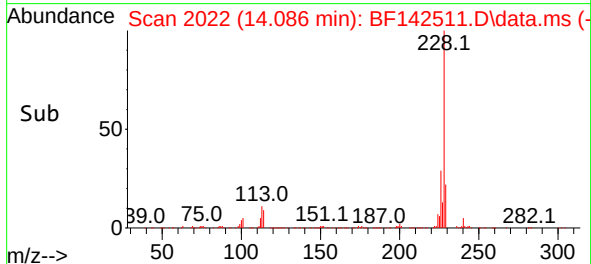
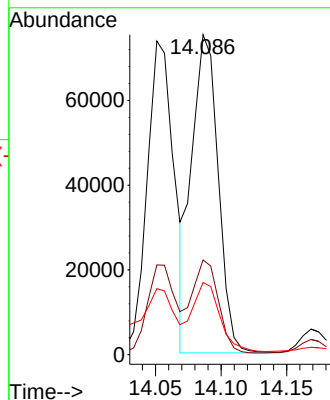
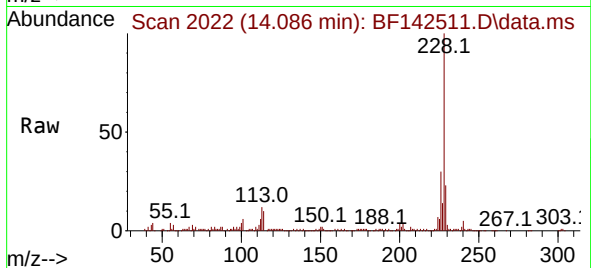
Tgt Ion:228 Resp: 105623

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 22.5 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

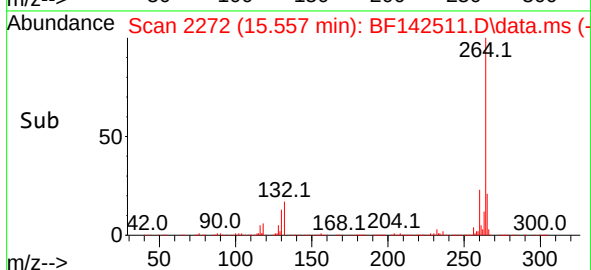
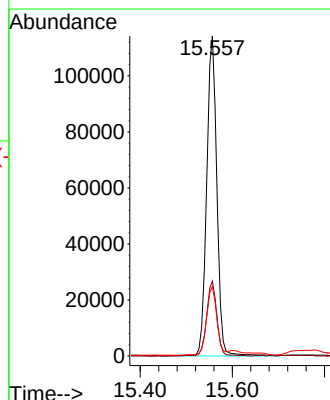
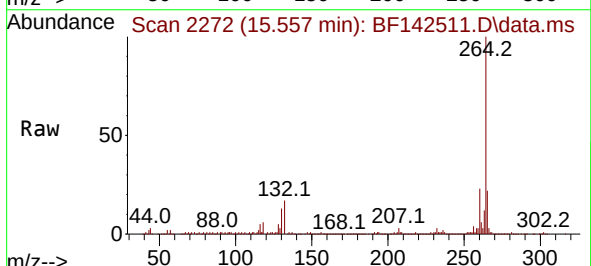
Tgt Ion:264 Resp: 176642

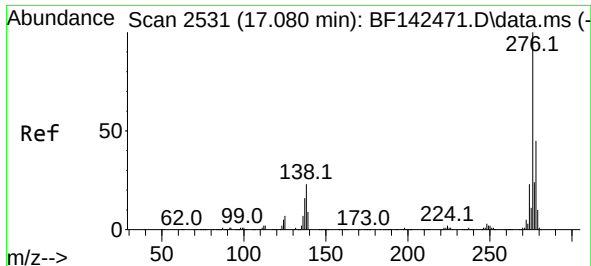
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 17.7 26.5

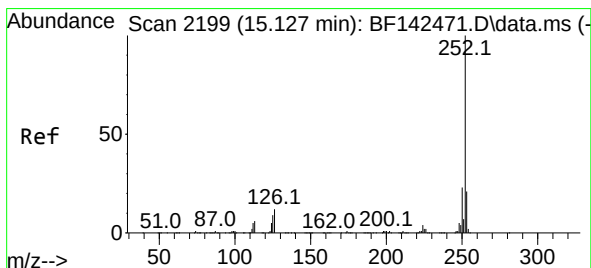
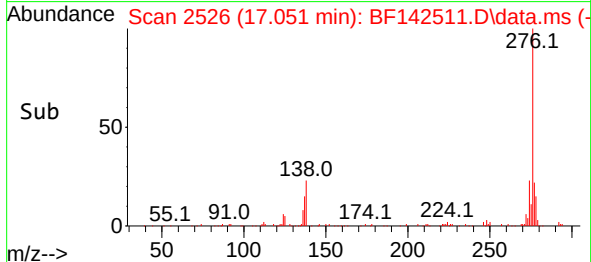
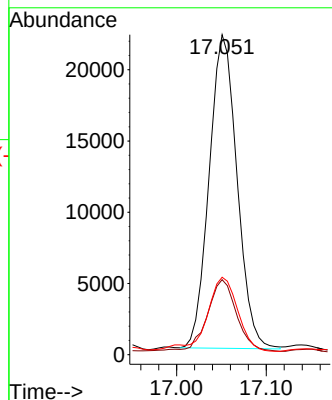
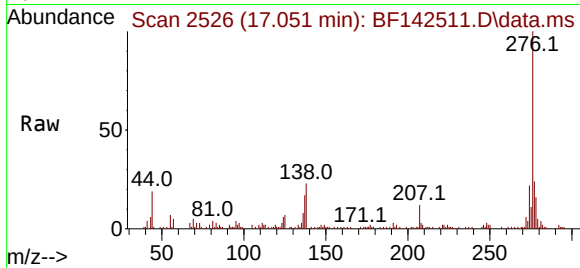




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.585 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

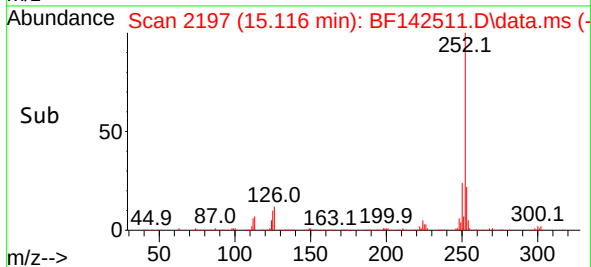
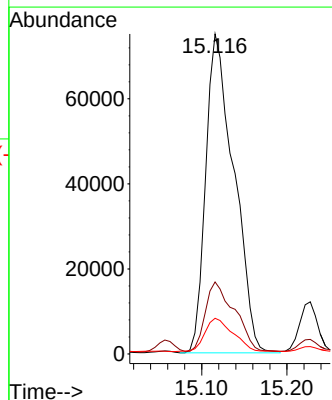
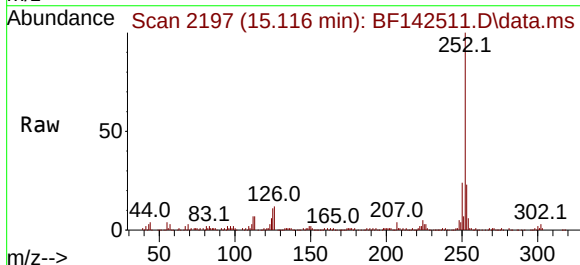
Instrument :
BNA_F
ClientSampleId :
SS-910

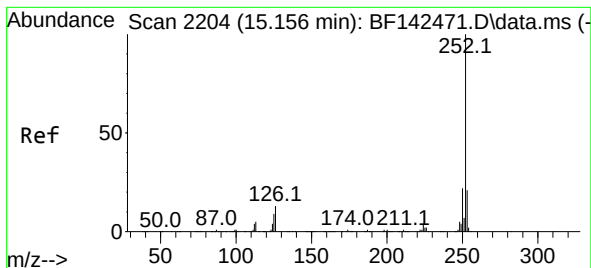
Tgt Ion:276 Resp: 47543
Ion Ratio Lower Upper
276 100
138 23.6 19.9 29.9
277 26.3 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 16.497 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

Tgt Ion:252 Resp: 172464
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 11.2 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 17.613 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

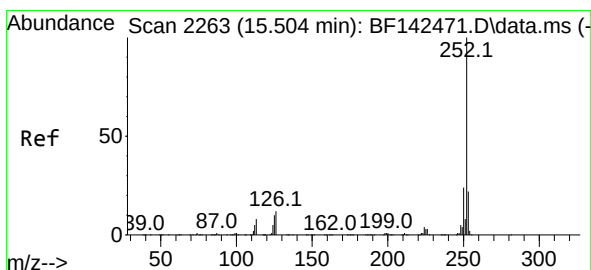
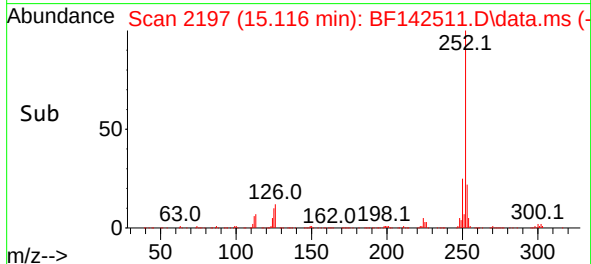
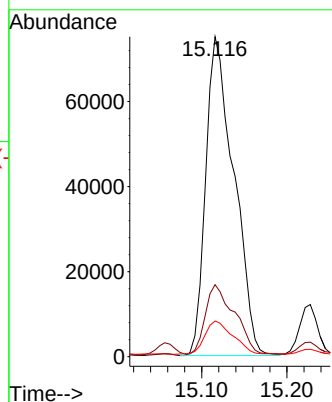
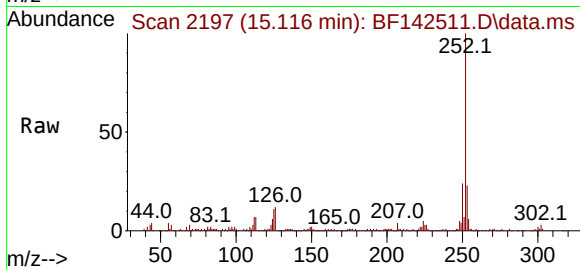
Tgt Ion:252 Resp: 172464

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.2 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 7.647 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.023 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

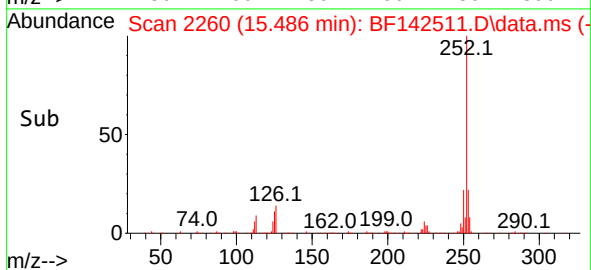
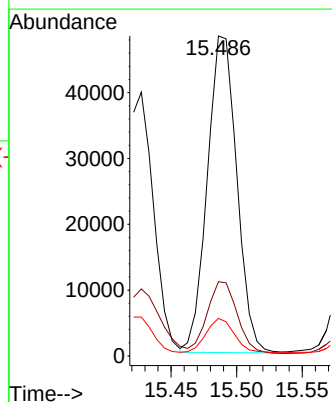
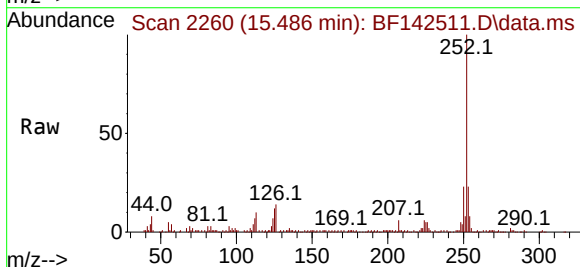
Tgt Ion:252 Resp: 75357

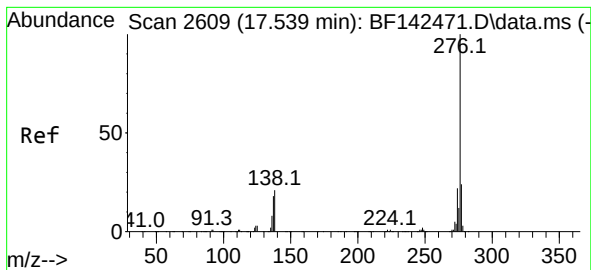
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.8 7.9 11.9





#92

Benzo(g,h,i)perylene

Concen: 4.157 ng

RT: 17.504 min Scan# 20

Delta R.T. -0.053 min

Lab File: BF142511.D

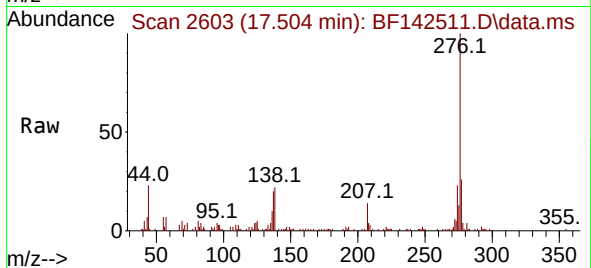
Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910



Tgt Ion:276 Resp: 44718

Ion Ratio Lower Upper

276 100

277 26.2 19.2 28.8

138 21.8 16.8 25.2

