

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)

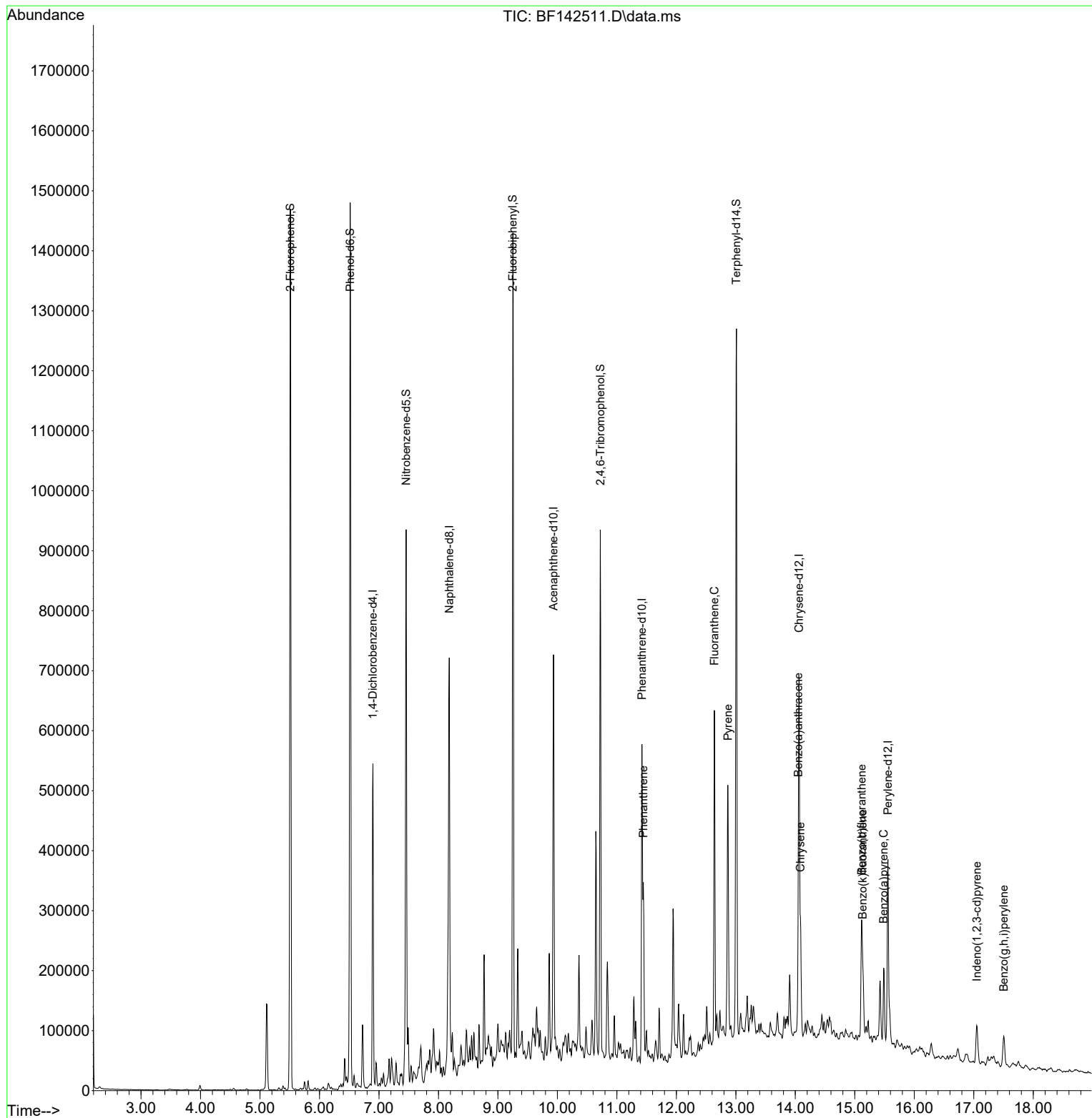
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	116551	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	418491	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	190753	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	271357	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	225312	20.000	ng	-0.01
86) Perylene-d12	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
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	132072m	12.633	ng	
89) Benzo(k)fluoranthene	15.133	252	42173m	4.307	ng	
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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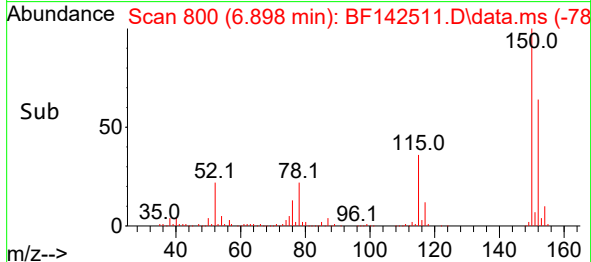
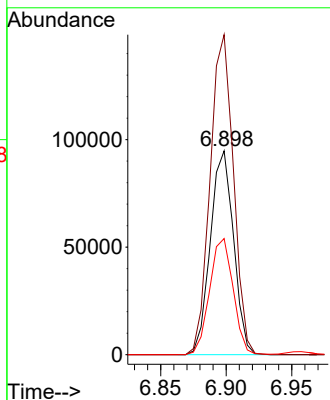
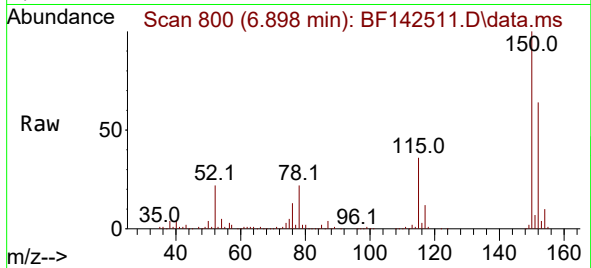




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

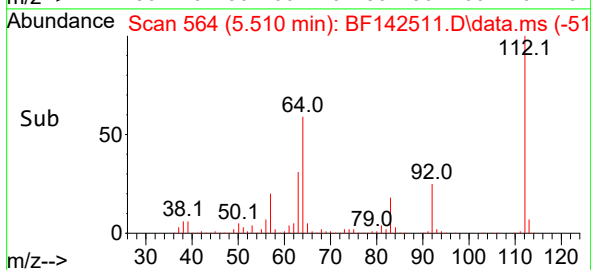
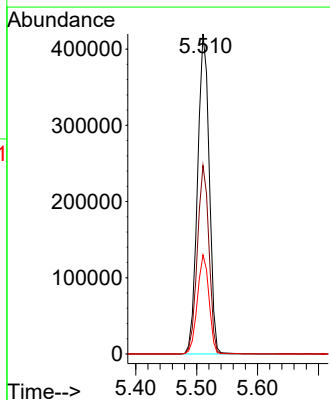
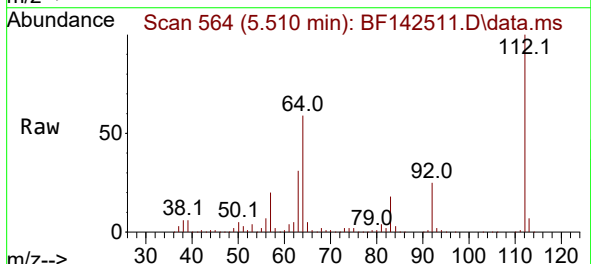
Instrument :
BNA_F
ClientSampleId :
SS-910

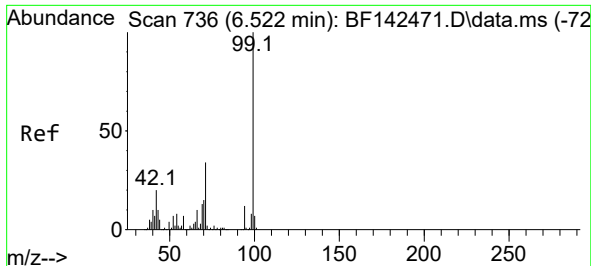
Tgt Ion:152 Resp: 116551
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 57.0 48.3 72.5



#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

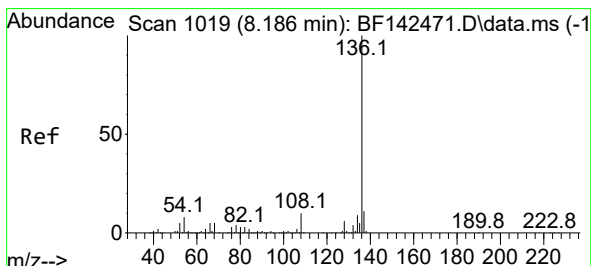
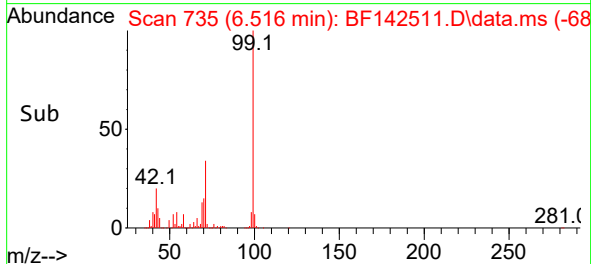
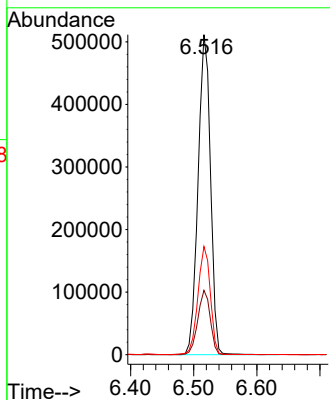
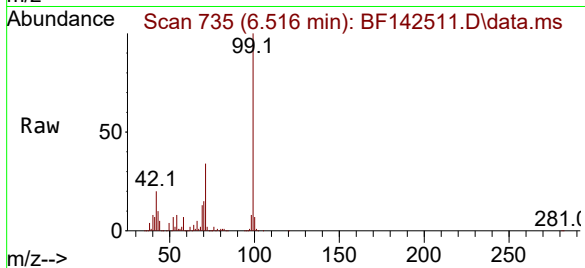




#7
Phenol-d6
Concen: 83.643 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

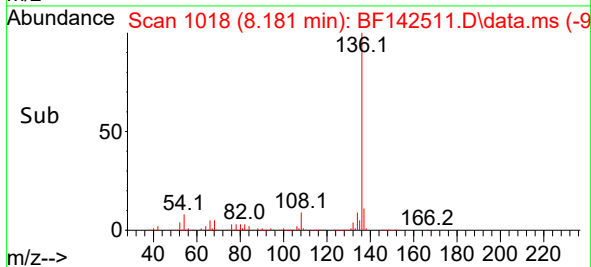
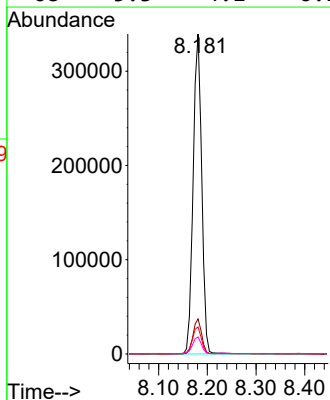
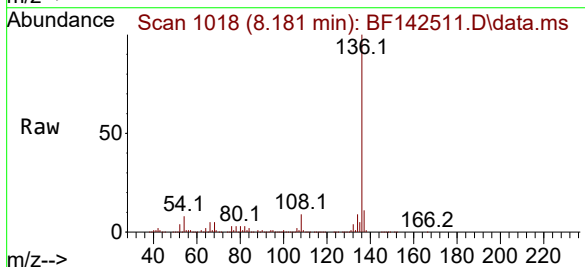
Instrument :
BNA_F
ClientSampleId :
SS-910

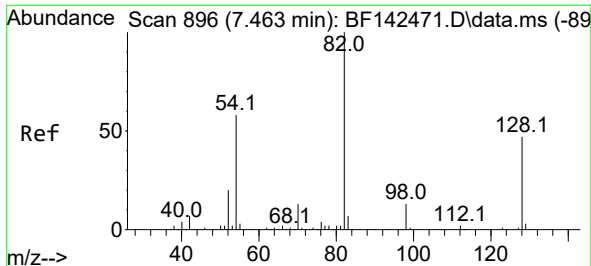
Tgt Ion: 99 Resp: 696541
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.2
71 33.8 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

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# 896

Delta R.T. -0.017 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

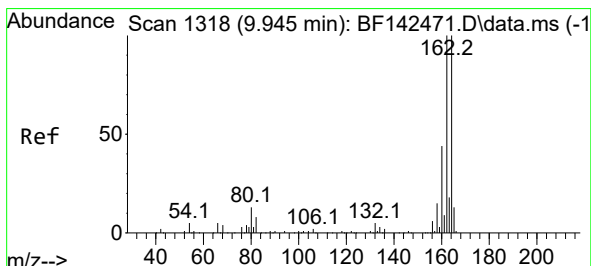
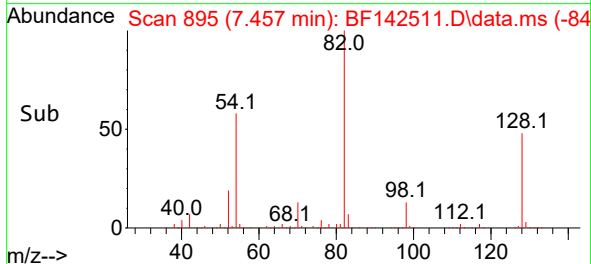
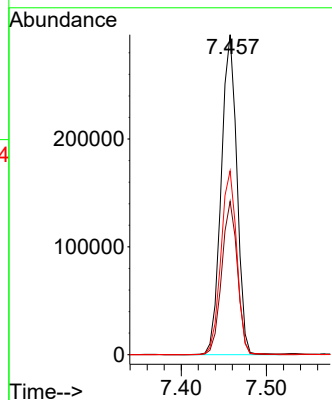
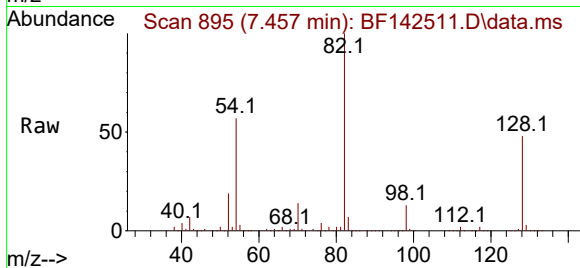
Tgt Ion: 82 Resp: 379750

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 57.5 46.6 70.0



#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

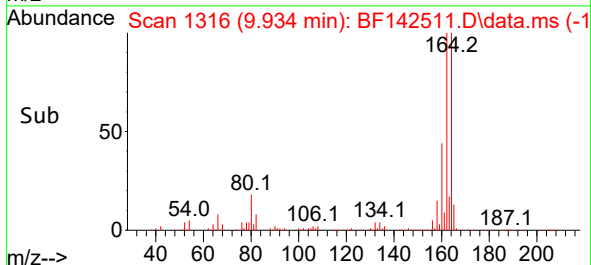
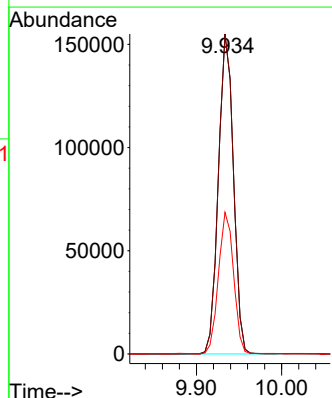
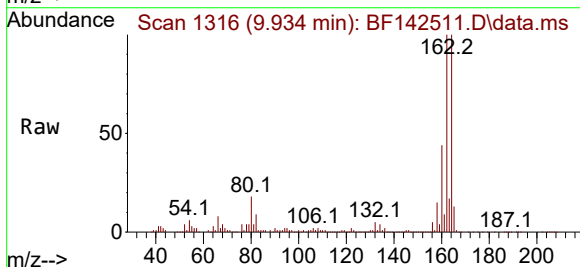
Tgt Ion:164 Resp: 190753

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.4

160 44.3 35.6 53.4

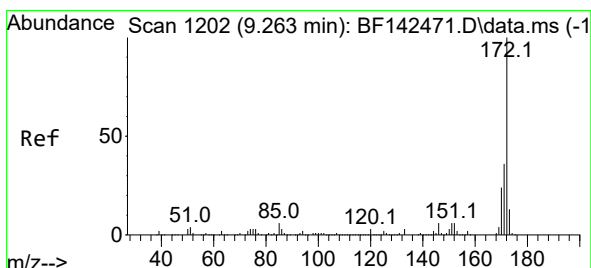
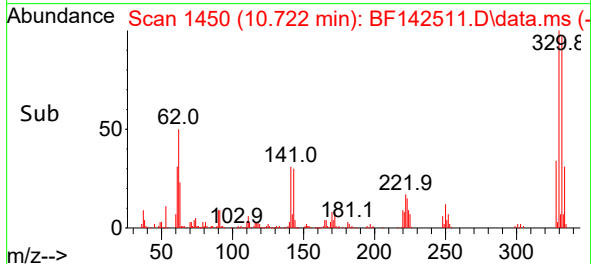
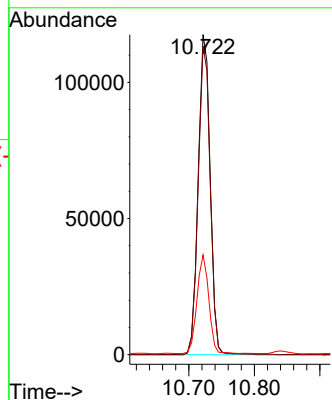
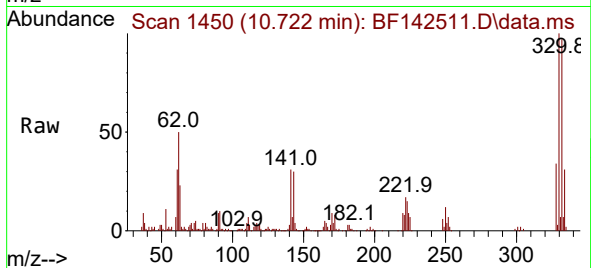




#42
2,4,6-Tribromophenol
Concen: 70.786 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

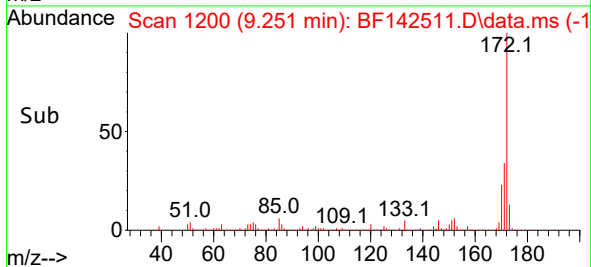
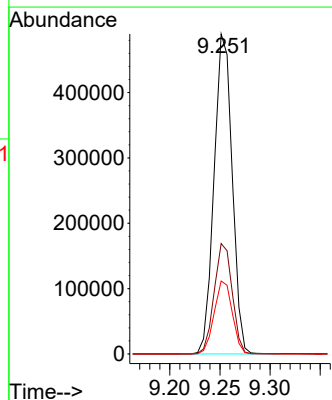
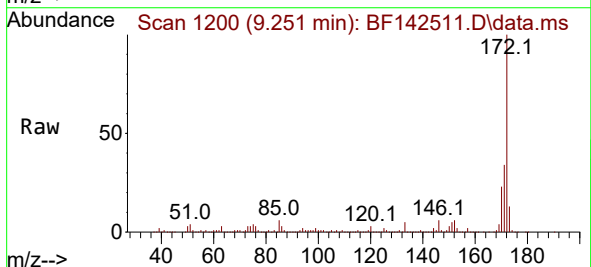
Instrument :
BNA_F
ClientSampleId :
SS-910

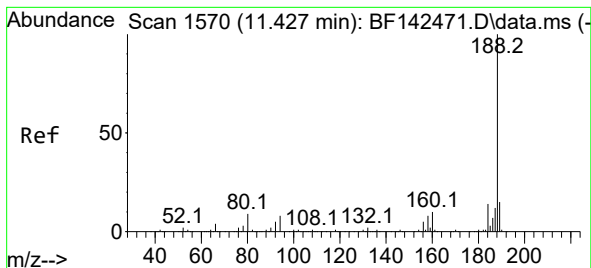
Tgt Ion:330 Resp: 149863
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 30.3 24.6 36.8



#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





#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

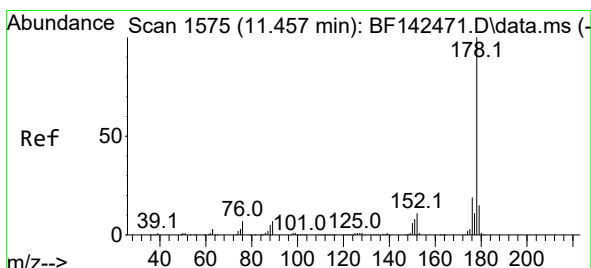
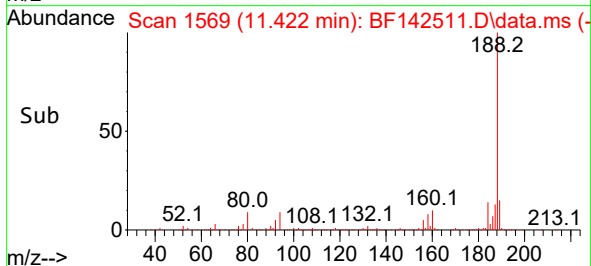
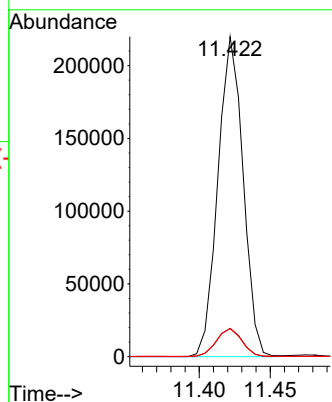
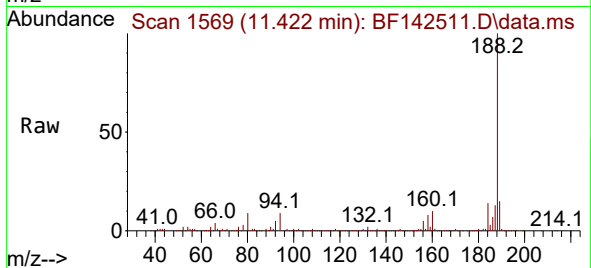
Tgt Ion:188 Resp: 271357

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 8.8 7.4 11.0



#71

Phenanthrene

Concen: 10.646 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

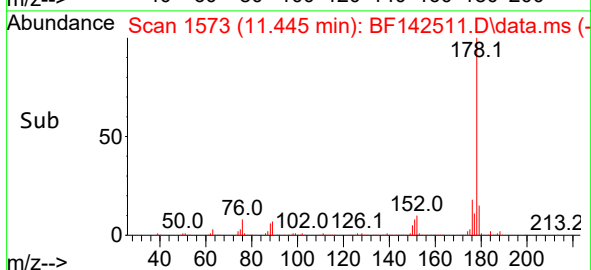
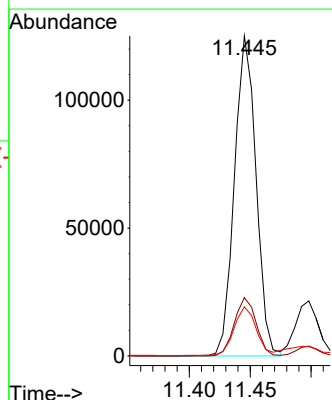
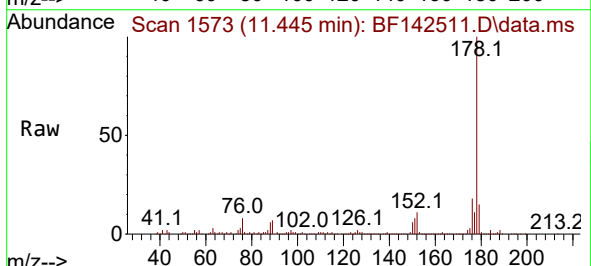
Tgt Ion:178 Resp: 154382

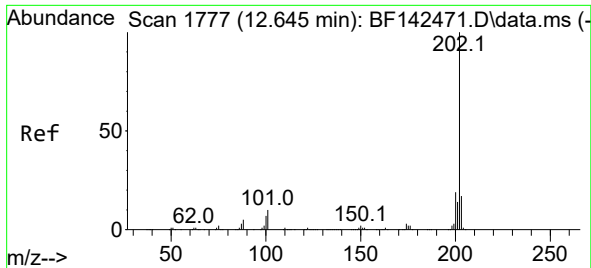
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.4 12.3 18.5

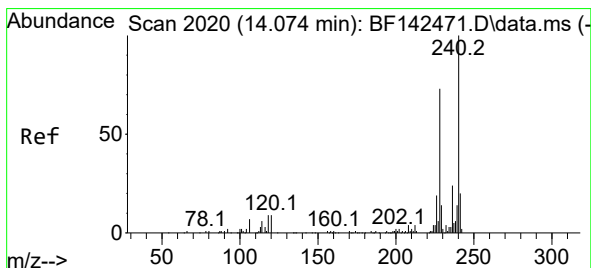
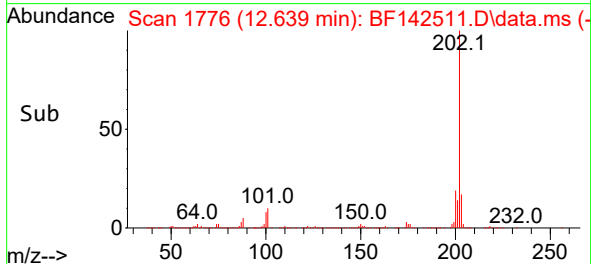
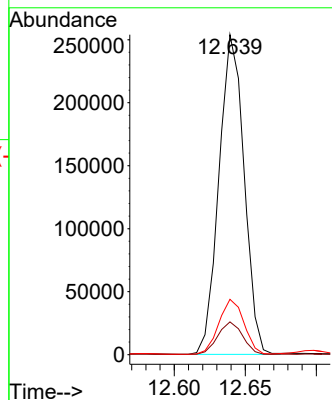
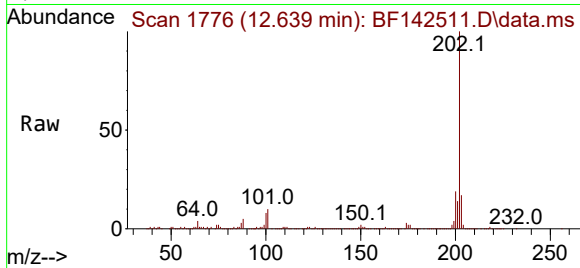




#75
Fluoranthene
Concen: 23.053 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

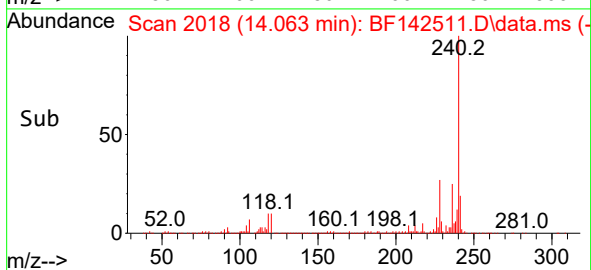
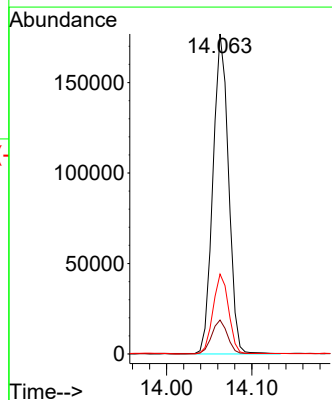
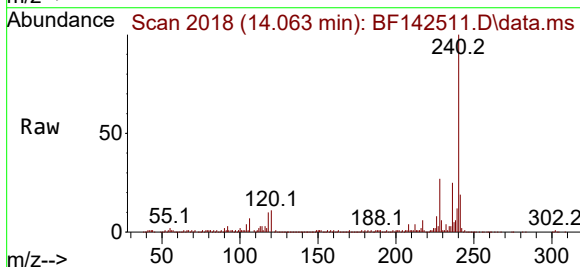
Instrument :
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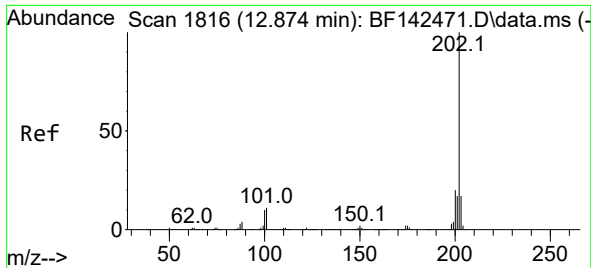
Tgt Ion:202 Resp: 312382
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.6
203 17.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

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

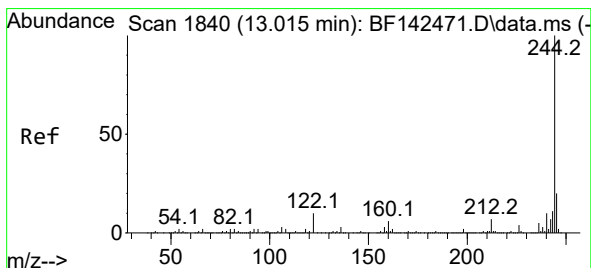
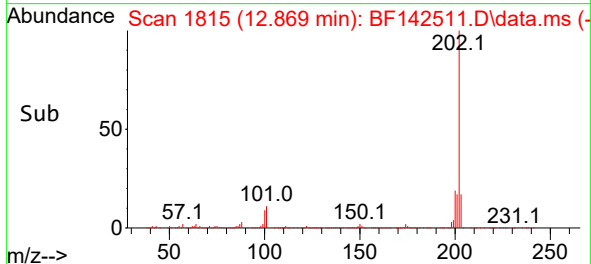
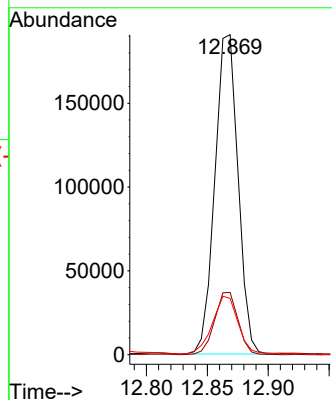
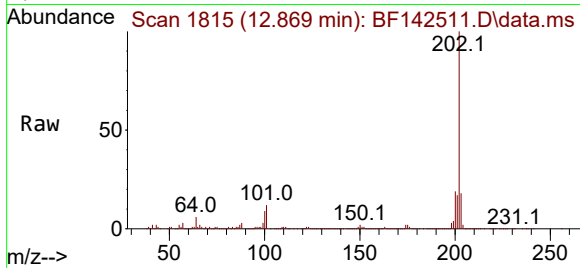




#78
Pyrene
Concen: 12.007 ng
RT: 12.869 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

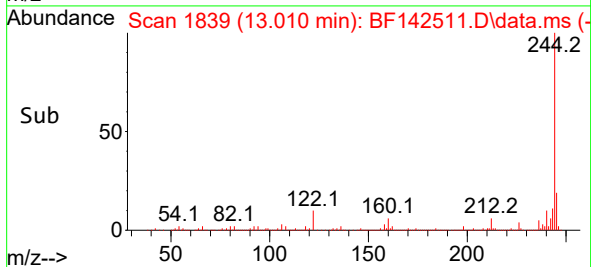
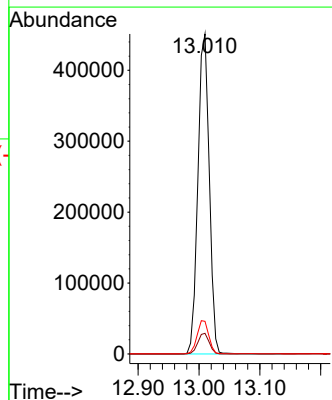
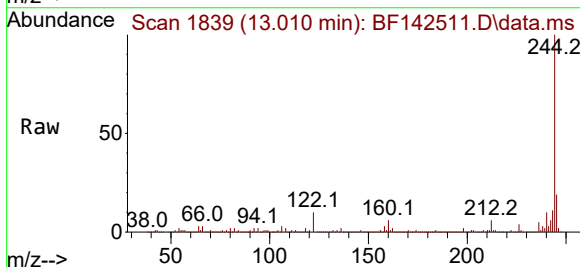
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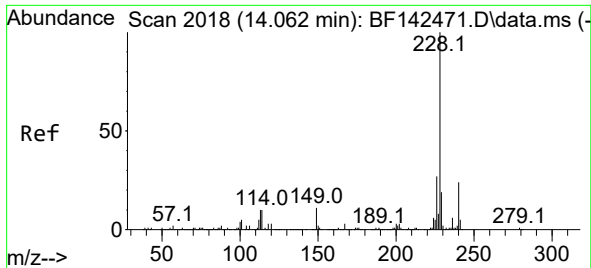
Tgt Ion:202 Resp: 252362
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.6 13.9 20.9



#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

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

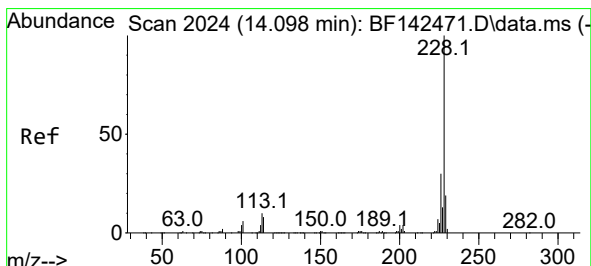
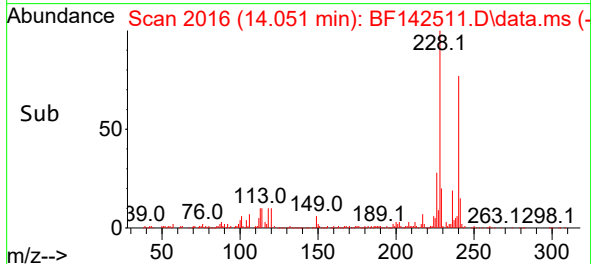
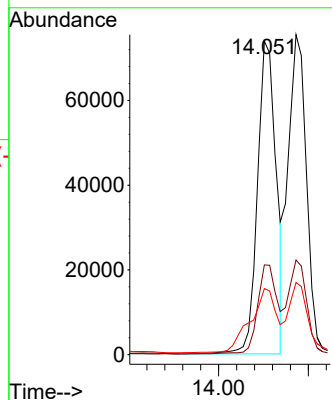
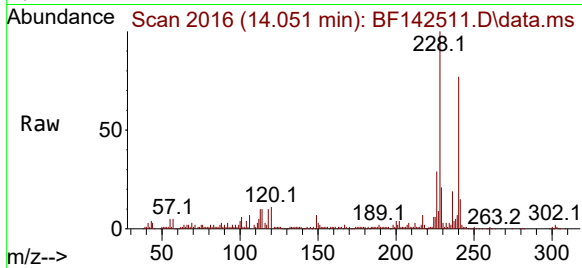




#81
Benzo(a)anthracene
Concen: 7.087 ng
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

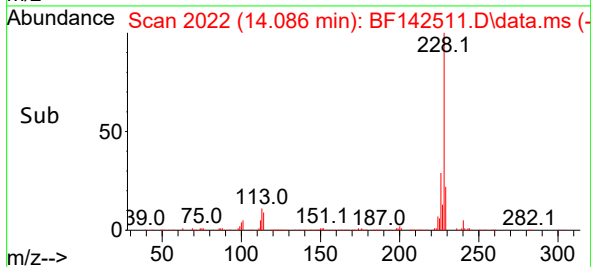
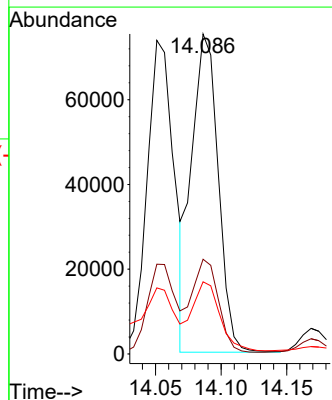
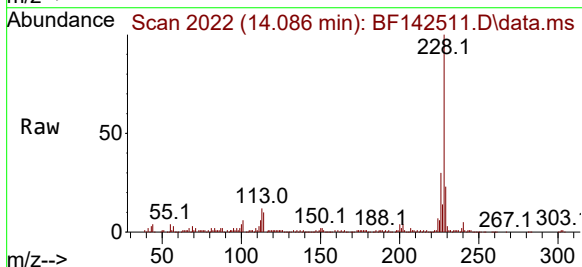
Instrument :
BNA_F
ClientSampleId :
SS-910

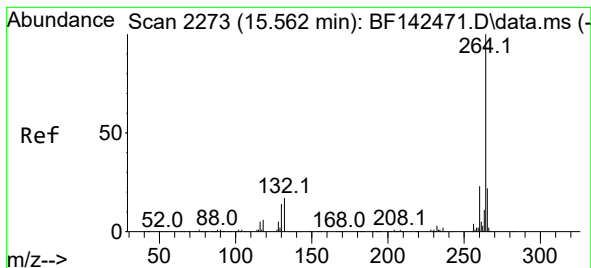
Tgt Ion:228 Resp: 106630
Ion Ratio Lower Upper
228 100
226 28.6 21.2 31.8
229 21.1 15.5 23.3



#83
Chrysene
Concen: 7.813 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF142511.D
Acq: 22 May 2025 15:36

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# 21

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

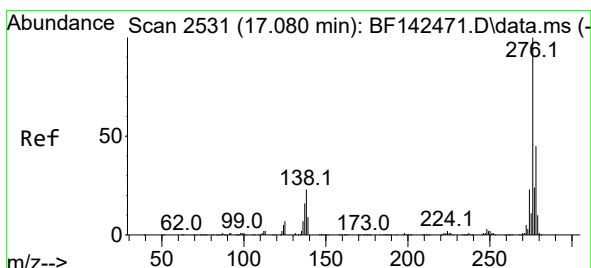
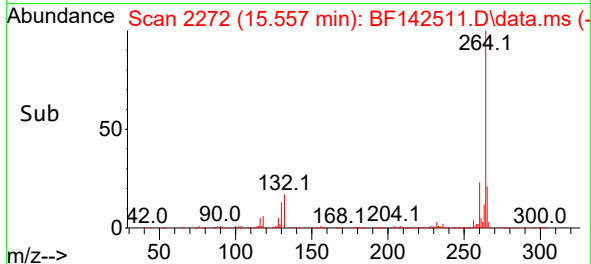
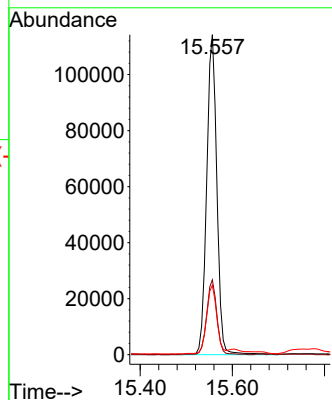
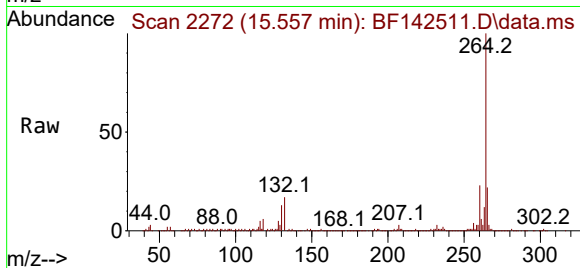
Tgt Ion:264 Resp: 176642

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# 2526

Delta R.T. -0.041 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

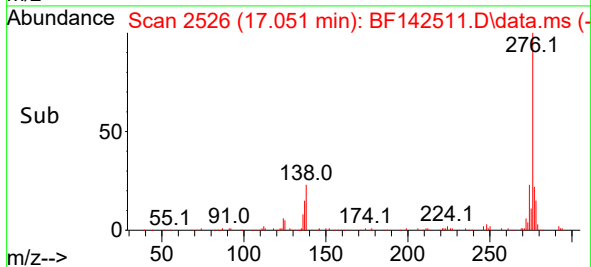
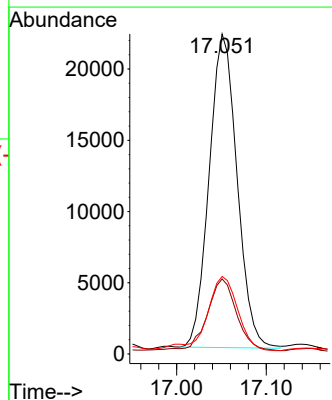
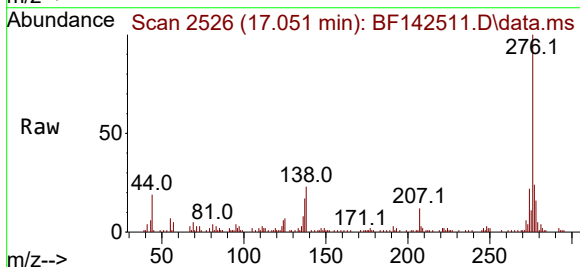
Tgt Ion:276 Resp: 47543

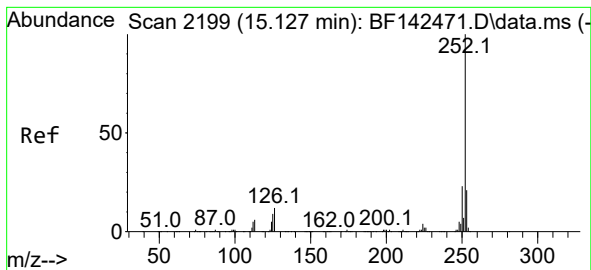
Ion Ratio Lower Upper

276 100

138 23.6 19.9 29.9

277 26.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 12.633 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

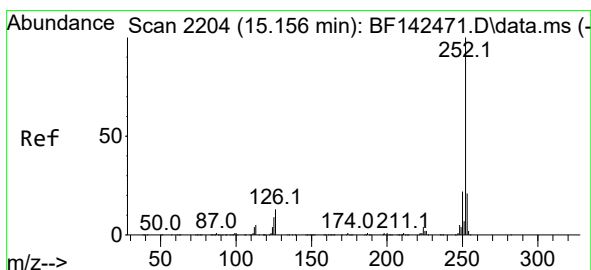
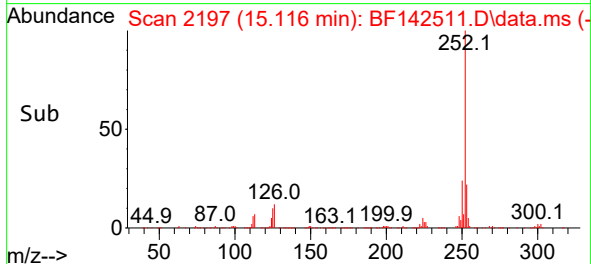
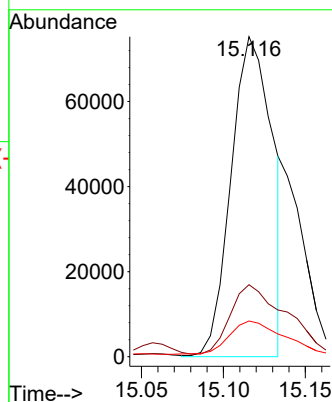
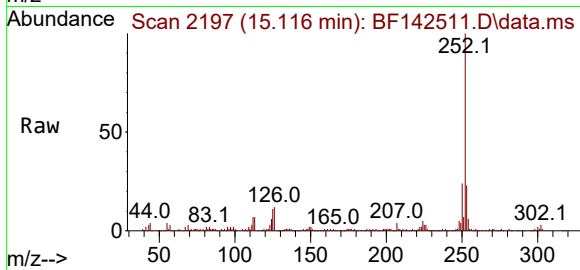
Tgt Ion:252 Resp: 132072

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: 4.307 ng m

RT: 15.133 min Scan# 2200

Delta R.T. -0.029 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

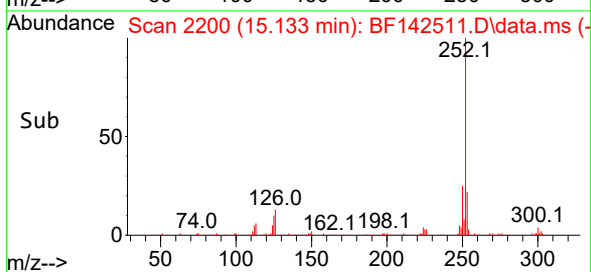
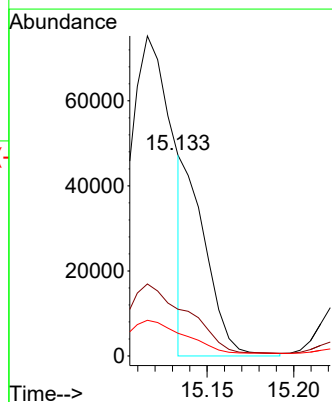
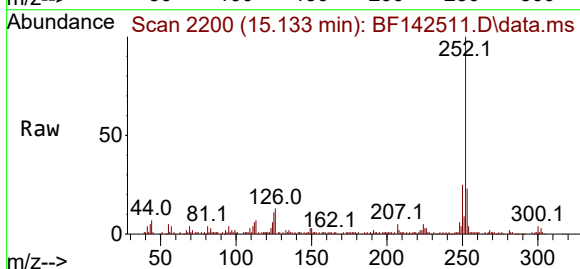
Tgt Ion:252 Resp: 42173

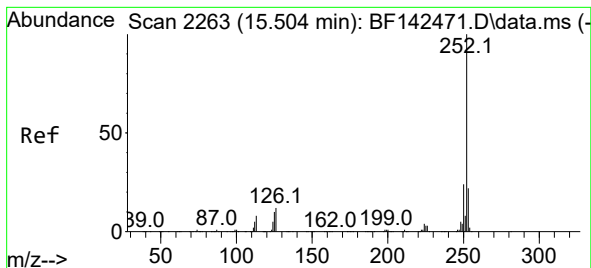
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 11.4 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 7.647 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

Instrument :

BNA_F

ClientSampleId :

SS-910

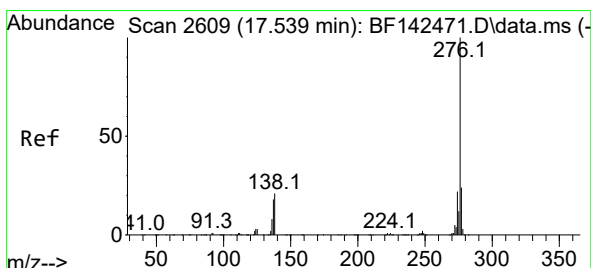
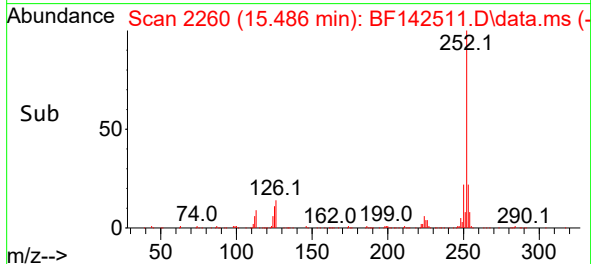
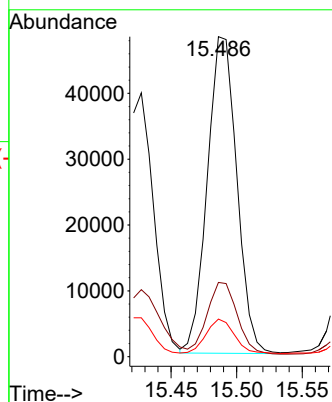
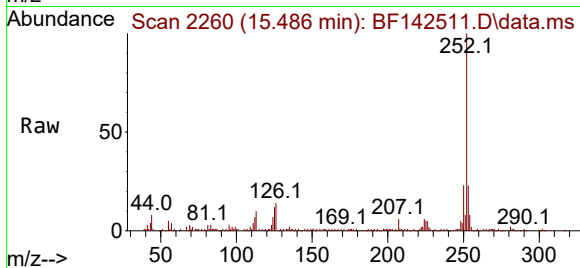
Tgt Ion:252 Resp: 75357

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# 2603

Delta R.T. -0.053 min

Lab File: BF142511.D

Acq: 22 May 2025 15:36

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

