

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142510.D
 Acq On : 22 May 2025 15:07
 Operator : RC/JU
 Sample : Q2075-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Quant Time: May 22 15:26:54 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)

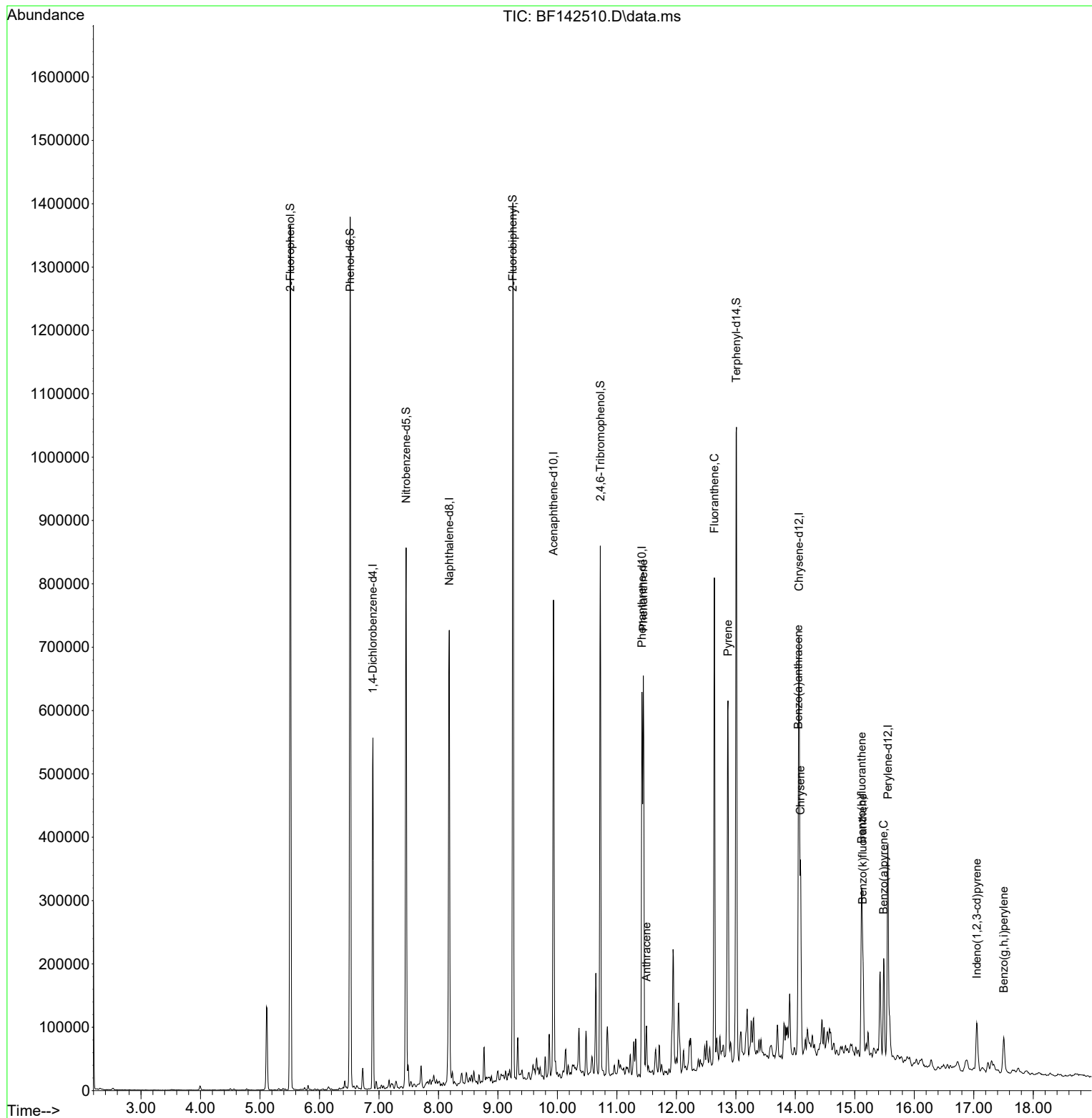
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120361	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	452635	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	223139	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	308296	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	228905	20.000	ng	-0.01
86) Perylene-d12	15.556	264	198076	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	515432	72.148	ng	0.00
7) Phenol-d6	6.516	99	644302	74.920	ng	-0.02
23) Nitrobenzene-d5	7.457	82	362216	43.636	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	141234	57.028	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	624297	37.543	ng	-0.02
79) Terphenyl-d14	13.010	244	497370	29.693	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	326802	19.835	ng	99
72) Anthracene	11.498	178	44324	2.636	ng	100
75) Fluoranthene	12.639	202	432290	28.080	ng	99
78) Pyrene	12.868	202	338481	15.851	ng	99
81) Benzo(a)anthracene	14.051	228	152272	9.962	ng	98
83) Chrysene	14.086	228	162130	11.804	ng	98
87) Indeno(1,2,3-cd)pyrene	17.050	276	56848	3.823	ng	96
88) Benzo(b)fluoranthene	15.115	252	180867m	15.428	ng	
89) Benzo(k)fluoranthene	15.133	252	58843m	5.359	ng	
90) Benzo(a)pyrene	15.486	252	92107	8.335	ng	# 97
92) Benzo(g,h,i)perylene	17.503	276	49747	4.124	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142510.D
Acq On : 22 May 2025 15:07
Operator : RC/JU
Sample : Q2075-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-10

Quant Time: May 22 15:26:54 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

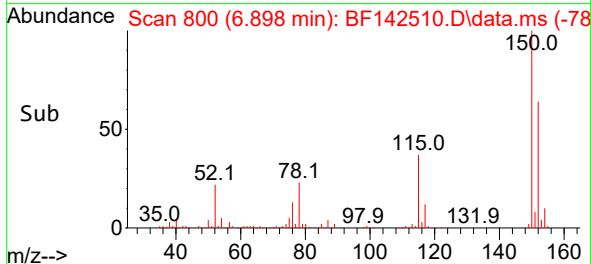
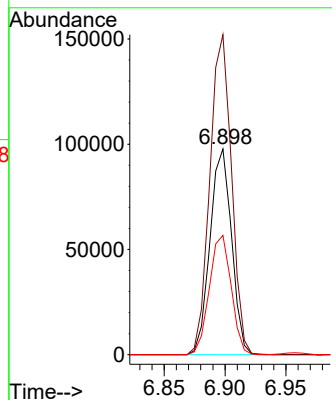
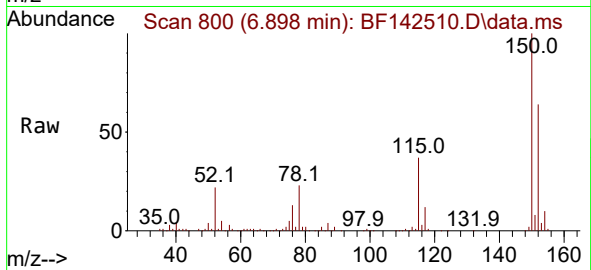




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

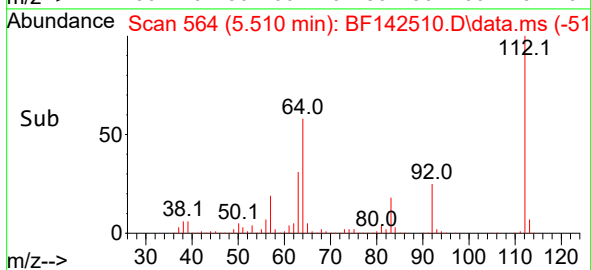
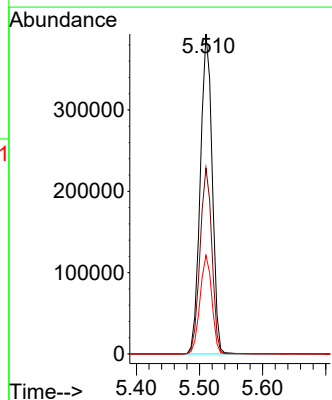
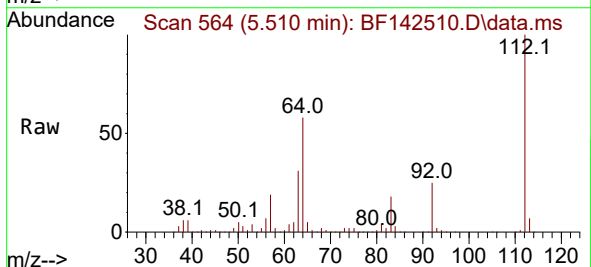
Instrument :
BNA_F
ClientSampleId :
SS-10

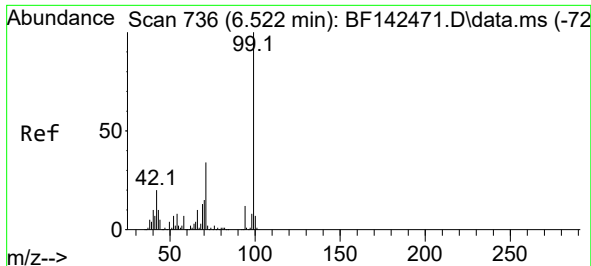
Tgt Ion:152 Resp: 120361
Ion Ratio Lower Upper
152 100
150 155.6 128.2 192.4
115 58.0 48.3 72.5



#5
2-Fluorophenol
Concen: 72.148 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

Tgt Ion:112 Resp: 515432
Ion Ratio Lower Upper
112 100
64 58.1 47.5 71.3
63 30.8 24.9 37.3

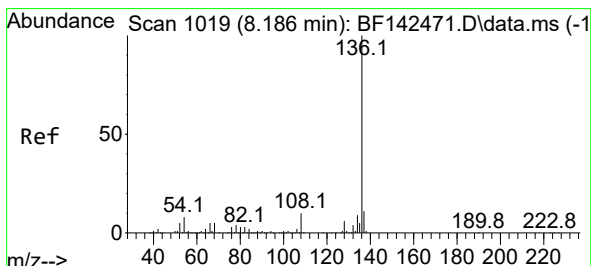
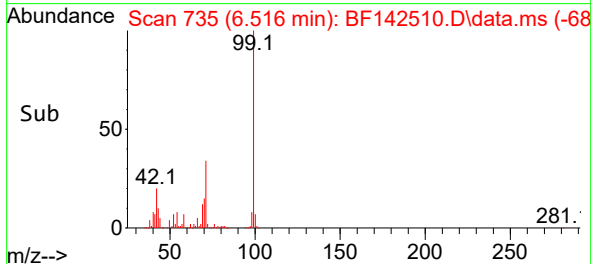
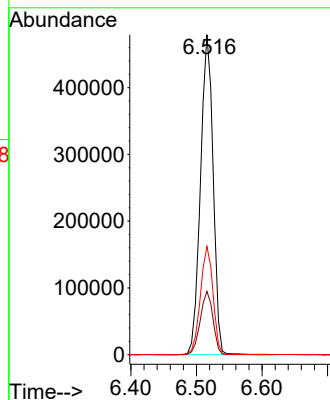
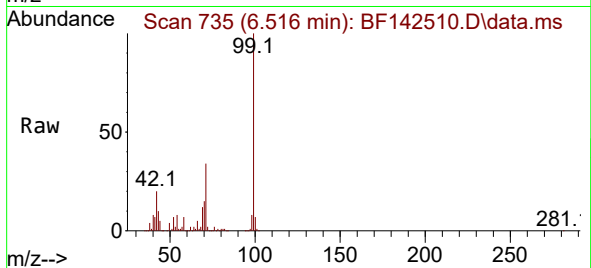




#7
Phenol-d6
Concen: 74.920 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

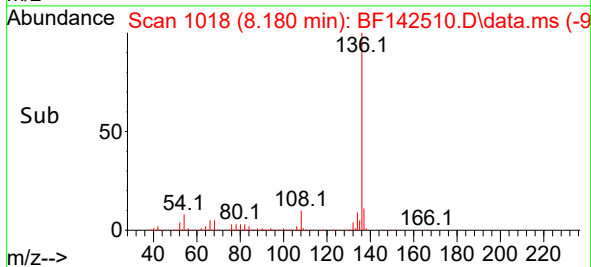
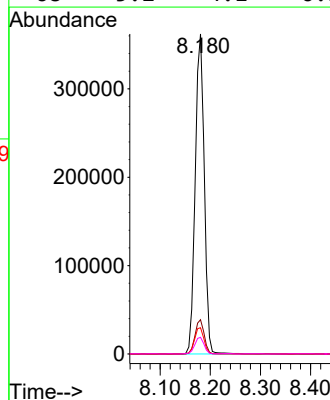
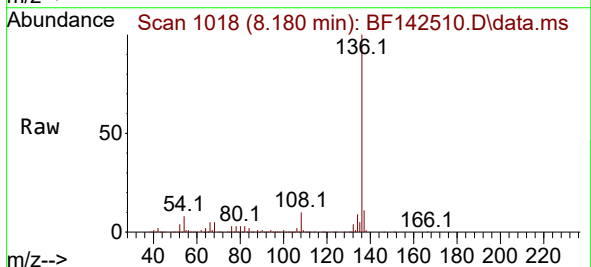
Instrument :
BNA_F
ClientSampleId :
SS-10

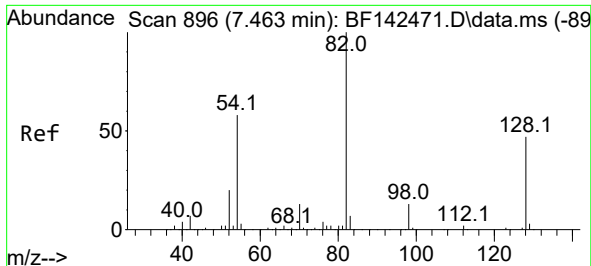
Tgt Ion: 99 Resp: 644302
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.8 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

Tgt Ion: 136 Resp: 452635
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 43.636 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

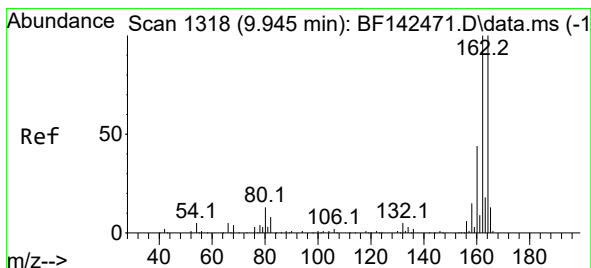
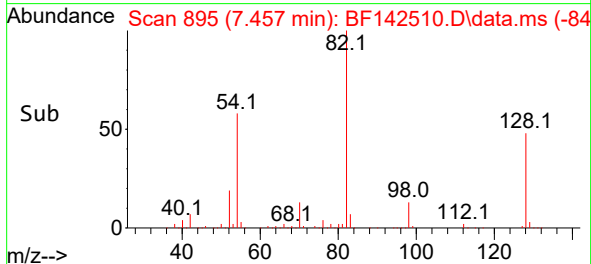
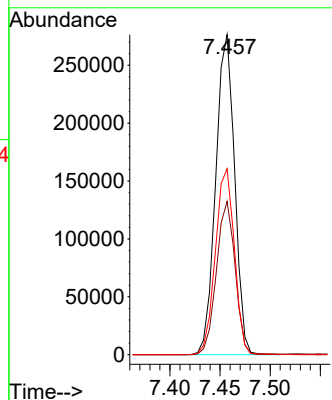
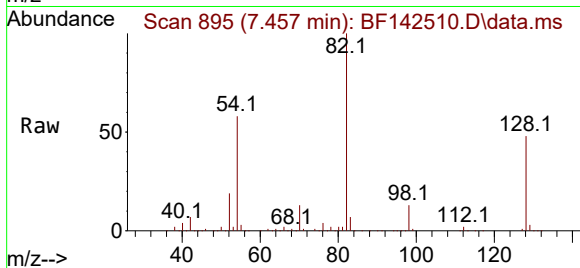
Tgt Ion: 82 Resp: 362216

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 58.1 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

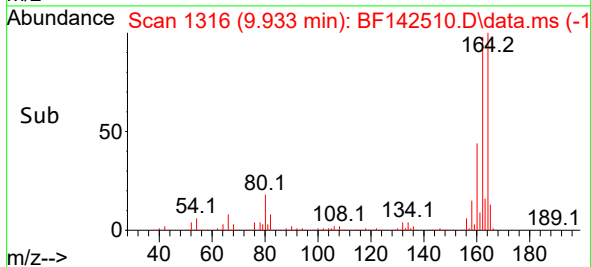
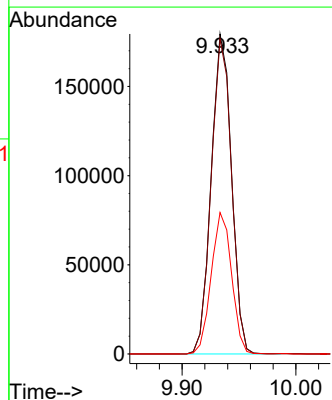
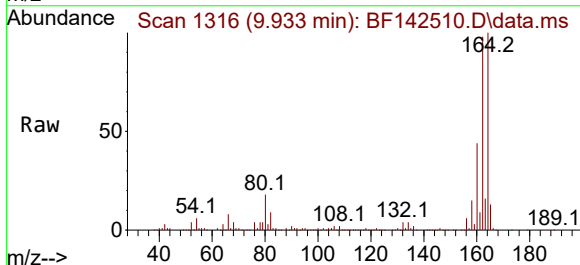
Tgt Ion:164 Resp: 223139

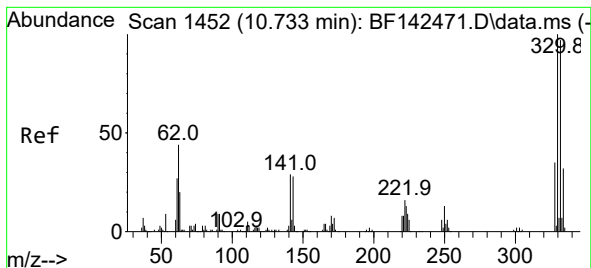
Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.4

160 44.2 35.6 53.4

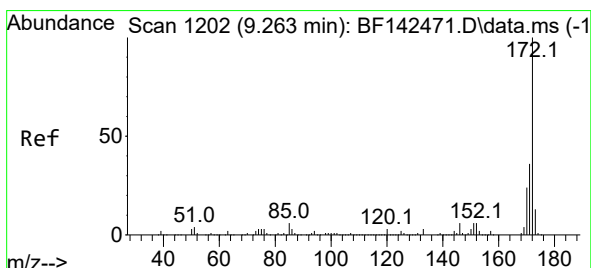
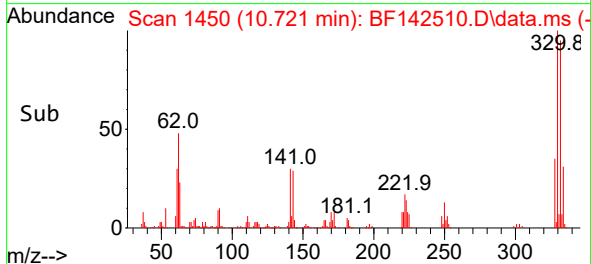
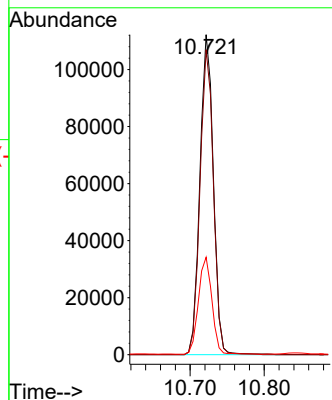
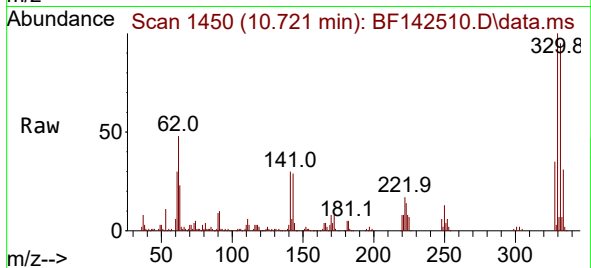




#42
2,4,6-Tribromophenol
Concen: 57.028 ng
RT: 10.721 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

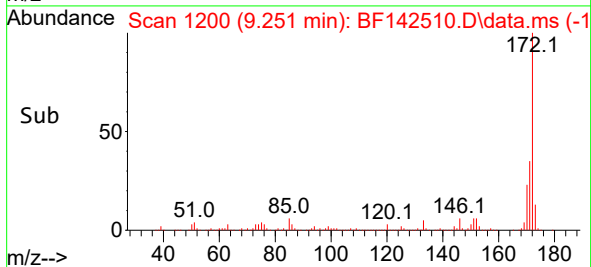
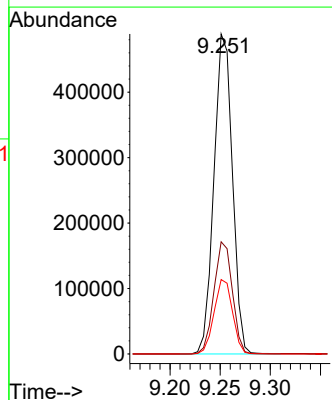
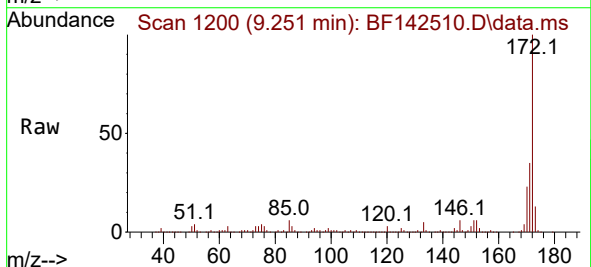
Instrument :
BNA_F
ClientSampleId :
SS-10

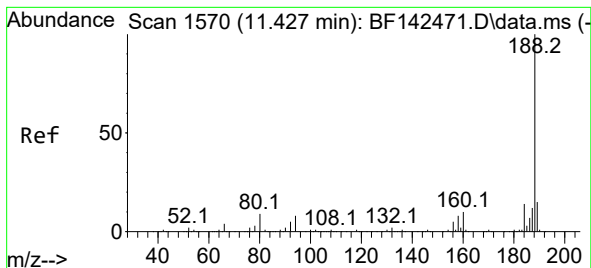
Tgt Ion:330 Resp: 141234
Ion Ratio Lower Upper
330 100
332 95.0 77.6 116.4
141 30.3 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 37.543 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

Tgt Ion:172 Resp: 624297
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

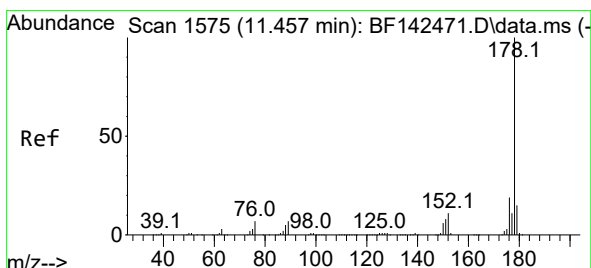
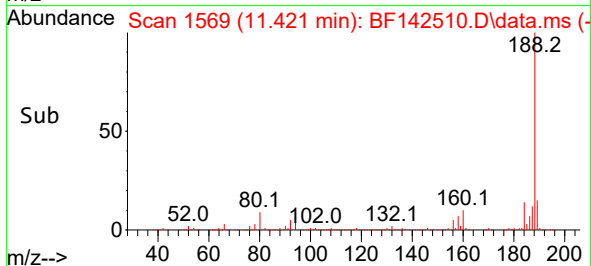
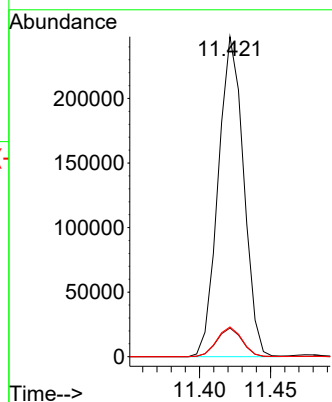
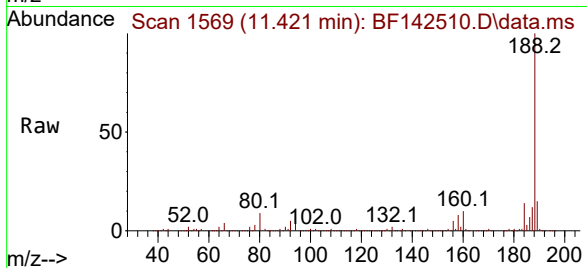
Tgt Ion:188 Resp: 308296

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.3 7.4 11.0



#71

Phenanthrene

Concen: 19.835 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

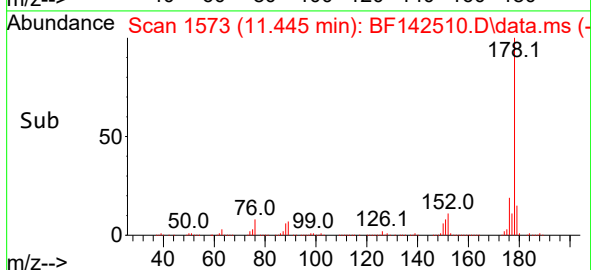
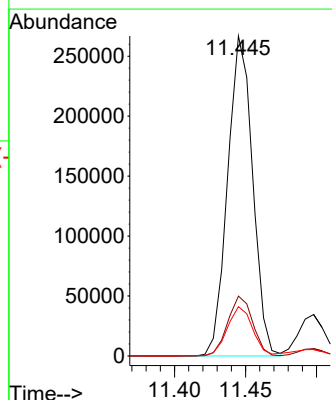
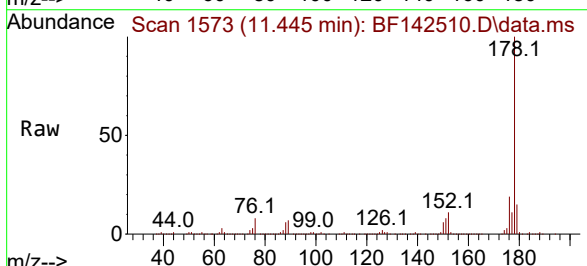
Tgt Ion:178 Resp: 326802

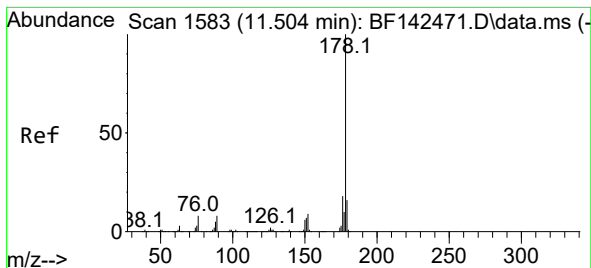
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.4 12.3 18.5





#72

Anthracene

Concen: 2.636 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

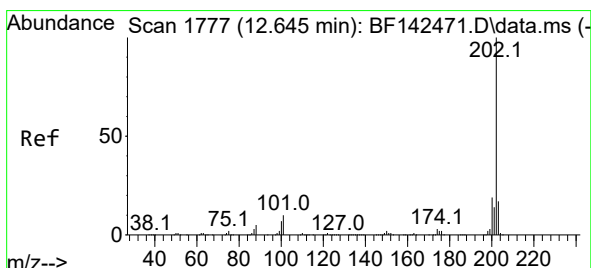
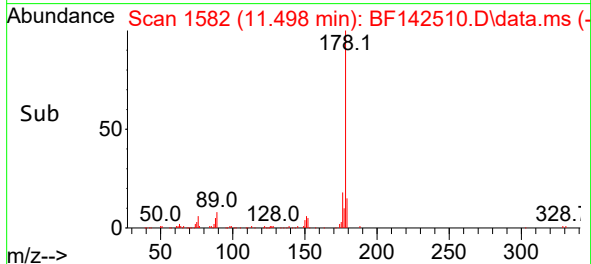
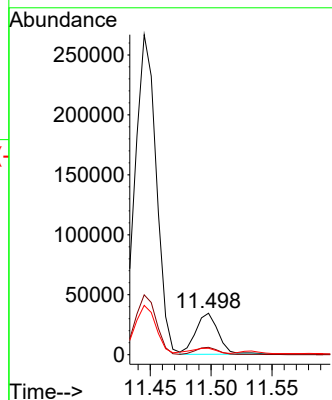
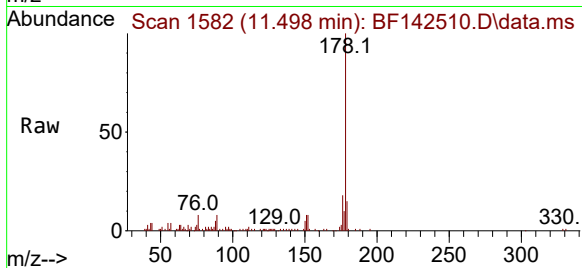
Tgt Ion:178 Resp: 44324

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

179 15.5 12.4 18.6



#75

Fluoranthene

Concen: 28.080 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

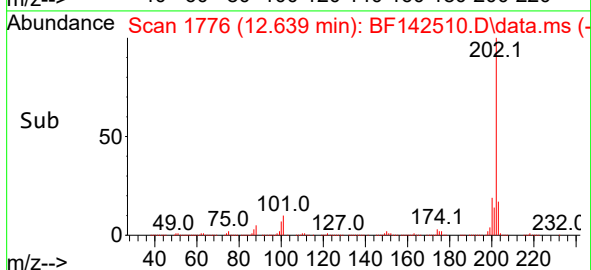
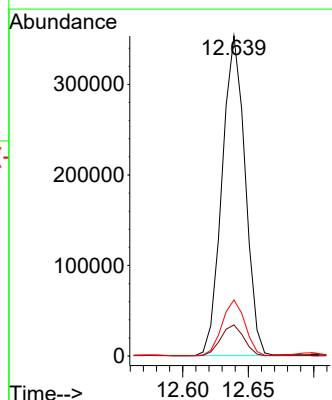
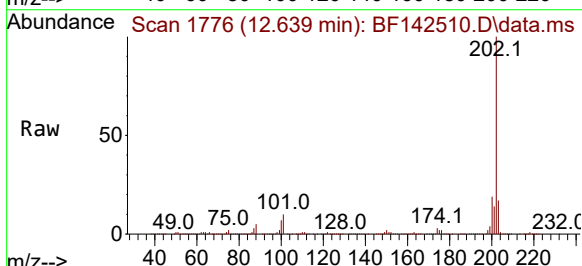
Tgt Ion:202 Resp: 432290

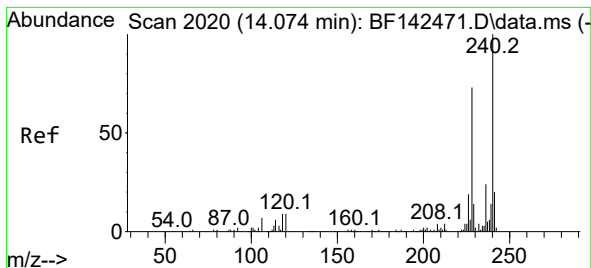
Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

203 17.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

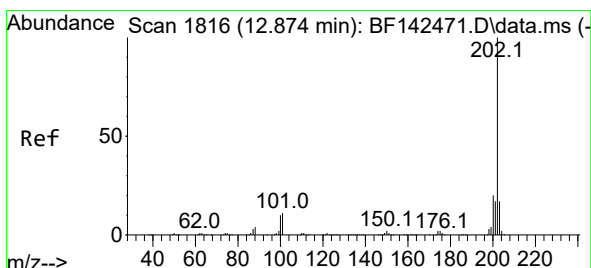
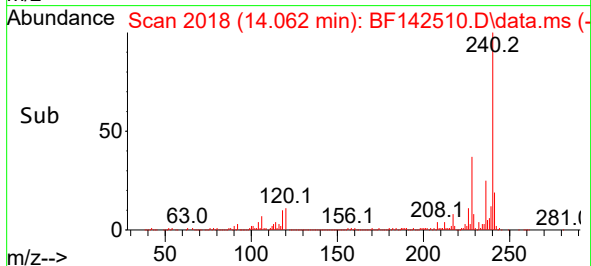
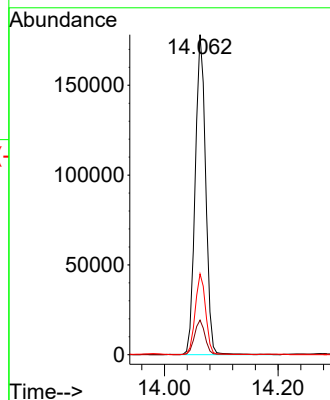
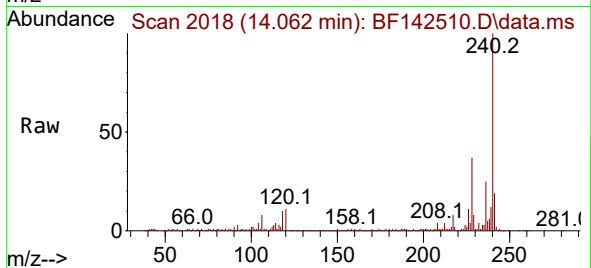
Tgt Ion:240 Resp: 228905

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

236 25.2 19.6 29.4



#78

Pyrene

Concen: 15.851 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

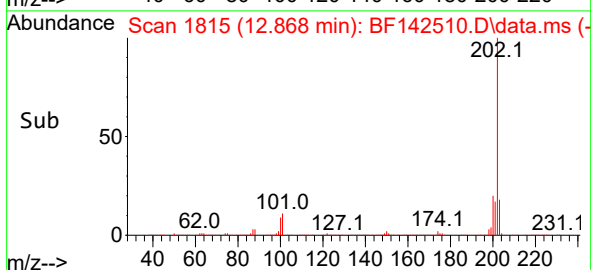
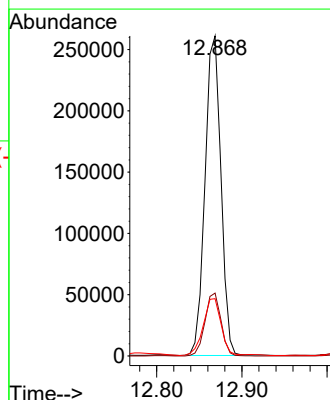
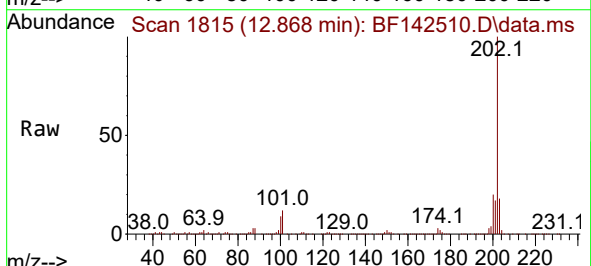
Tgt Ion:202 Resp: 338481

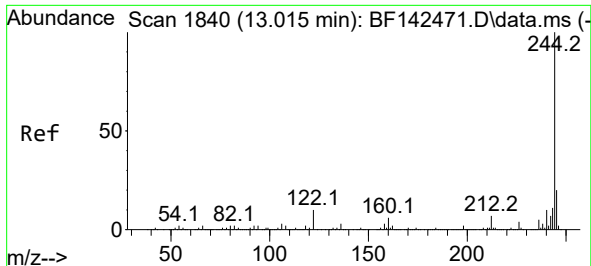
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.9 13.9 20.9

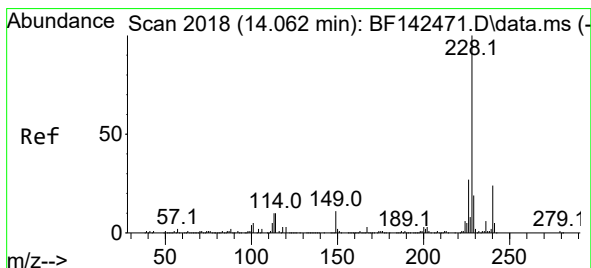
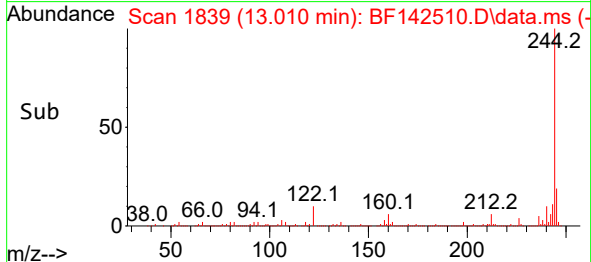
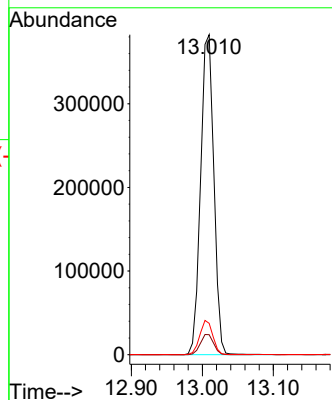
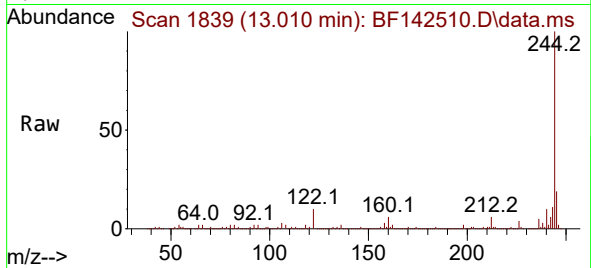




#79
 Terphenyl-d14
 Concen: 29.693 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142510.D
 Acq: 22 May 2025 15:07

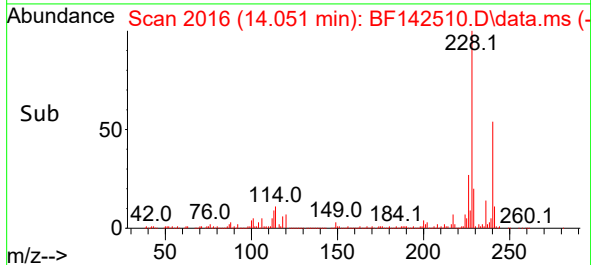
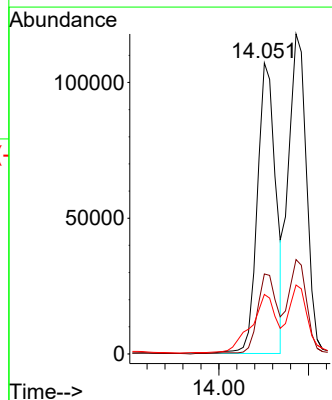
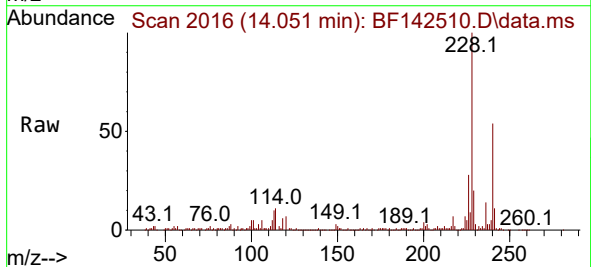
Instrument :
 BNA_F
 ClientSampleId :
 SS-10

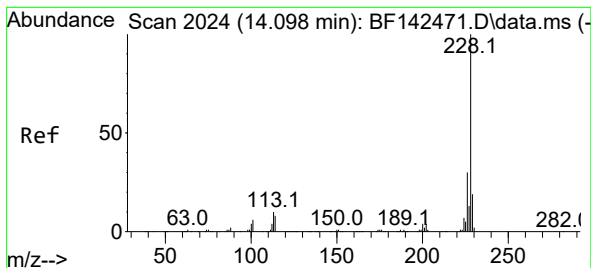
Tgt Ion:244 Resp: 497370
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 9.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 9.962 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF142510.D
 Acq: 22 May 2025 15:07

Tgt Ion:228 Resp: 152272
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.2 31.8
 229 20.4 15.5 23.3





#83

Chrysene

Concen: 11.804 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

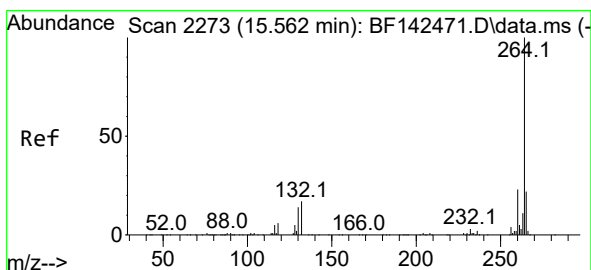
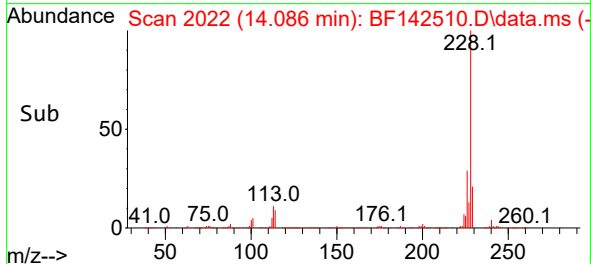
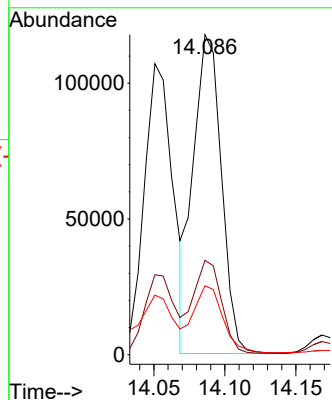
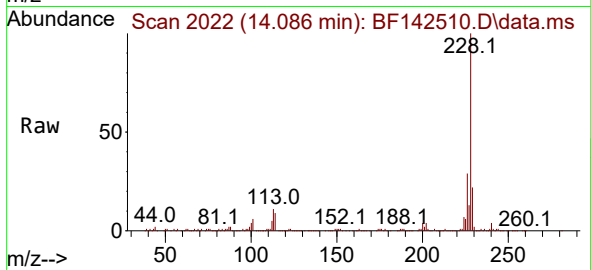
Tgt Ion:228 Resp: 162130

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 21.6 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

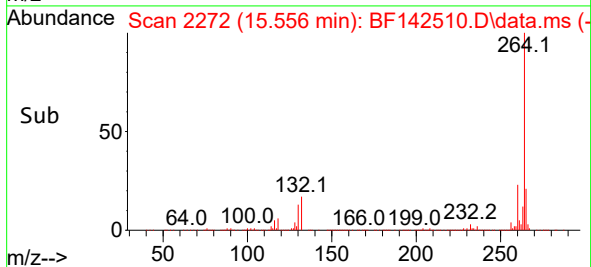
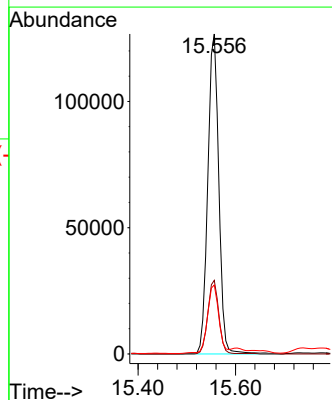
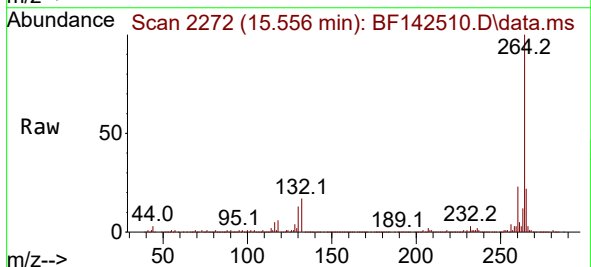
Tgt Ion:264 Resp: 198076

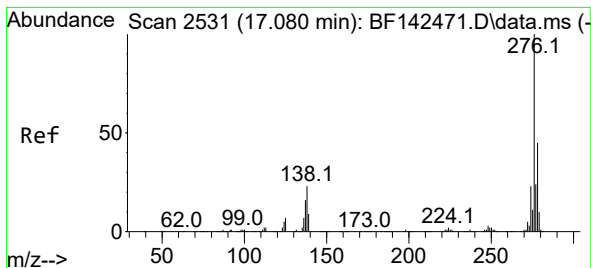
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.5 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.823 ng

RT: 17.050 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

Instrument :

BNA_F

ClientSampleId :

SS-10

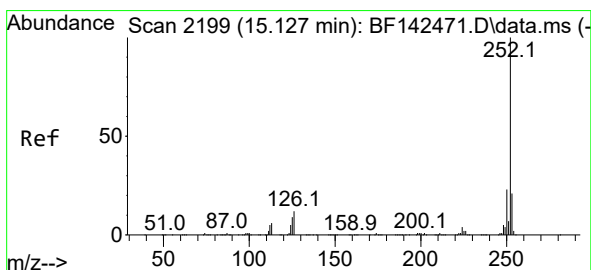
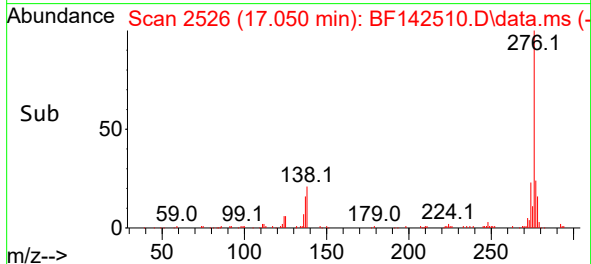
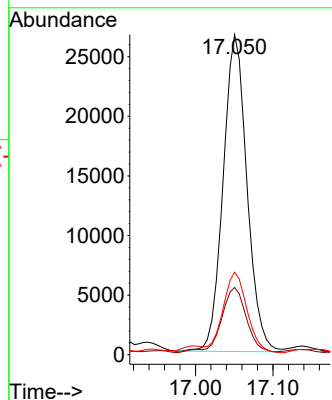
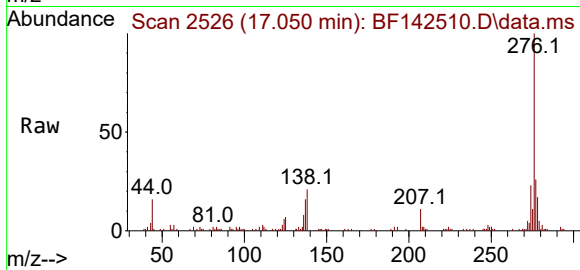
Tgt Ion:276 Resp: 56848

Ion Ratio Lower Upper

276 100

138 22.2 19.9 29.9

277 26.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.428 ng m

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142510.D

Acq: 22 May 2025 15:07

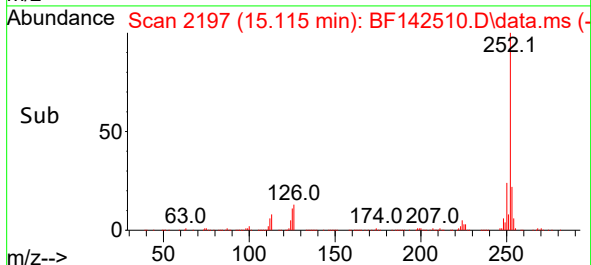
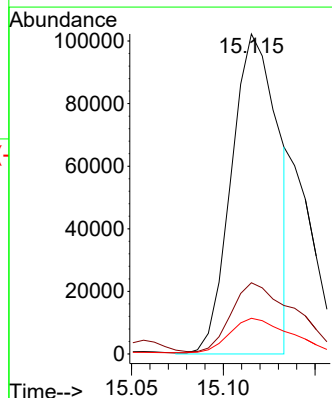
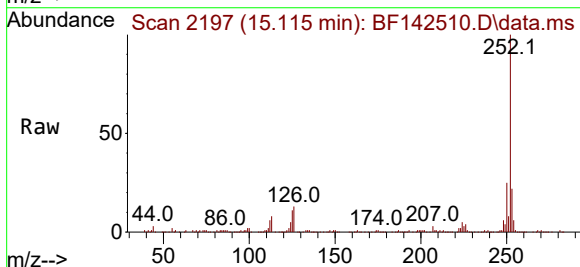
Tgt Ion:252 Resp: 180867

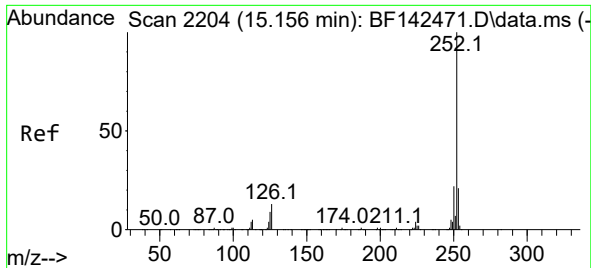
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 11.2 7.4 11.0#

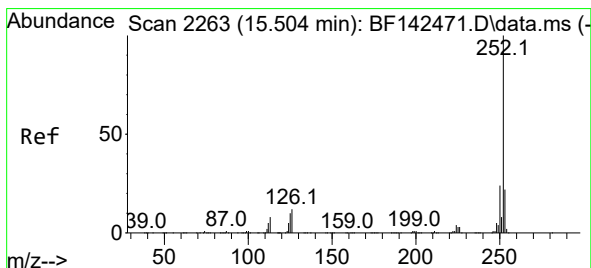
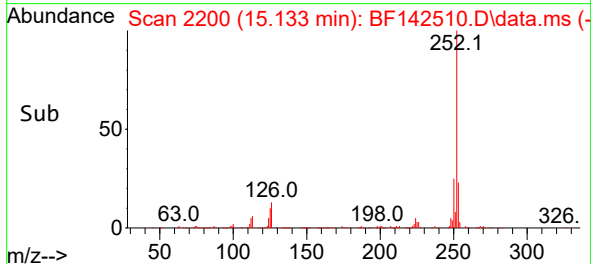
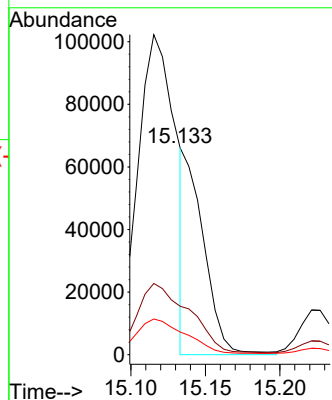
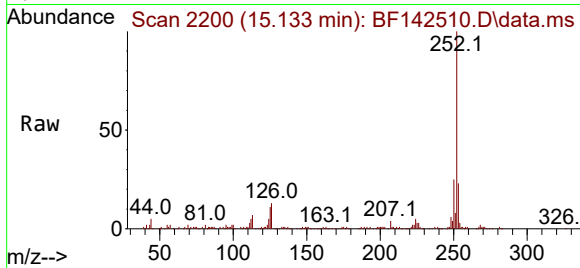




#89
Benzo(k)fluoranthene
Concen: 5.359 ng m
RT: 15.133 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

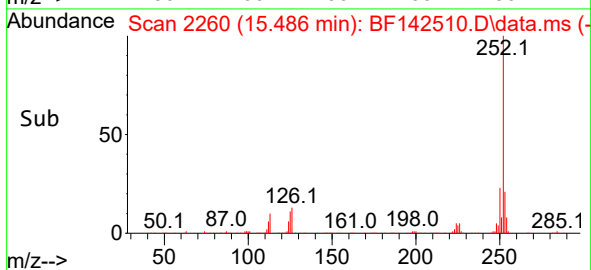
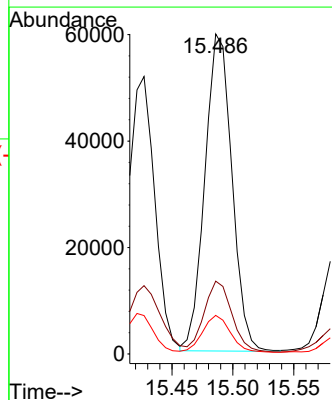
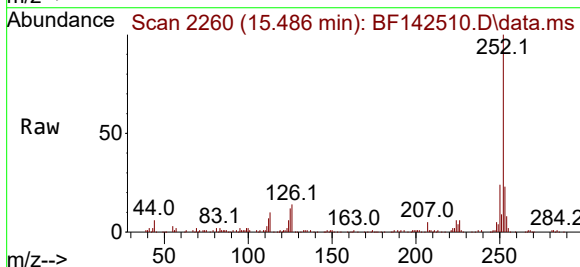
Instrument :
BNA_F
ClientSampleId :
SS-10

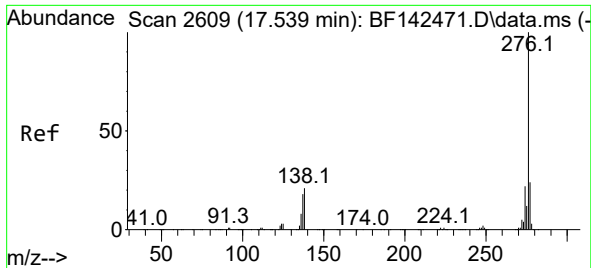
Tgt Ion:252 Resp: 58843
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 11.0 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 8.335 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.024 min
Lab File: BF142510.D
Acq: 22 May 2025 15:07

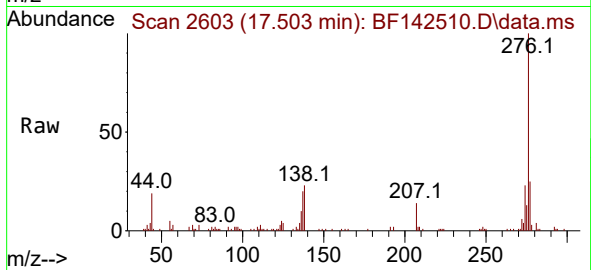
Tgt Ion:252 Resp: 92107
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.0 7.9 11.9#





#92
 Benzo(g,h,i)perylene
 Concen: 4.124 ng
 RT: 17.503 min Scan# 20
 Delta R.T. -0.053 min
 Lab File: BF142510.D
 Acq: 22 May 2025 15:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-10



Tgt Ion:	276	Resp:	49747
Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	22.9	16.8	25.2

