

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142513.D
 Acq On : 22 May 2025 16:34
 Operator : RC/JU
 Sample : Q2074-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: May 23 01:22:01 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)

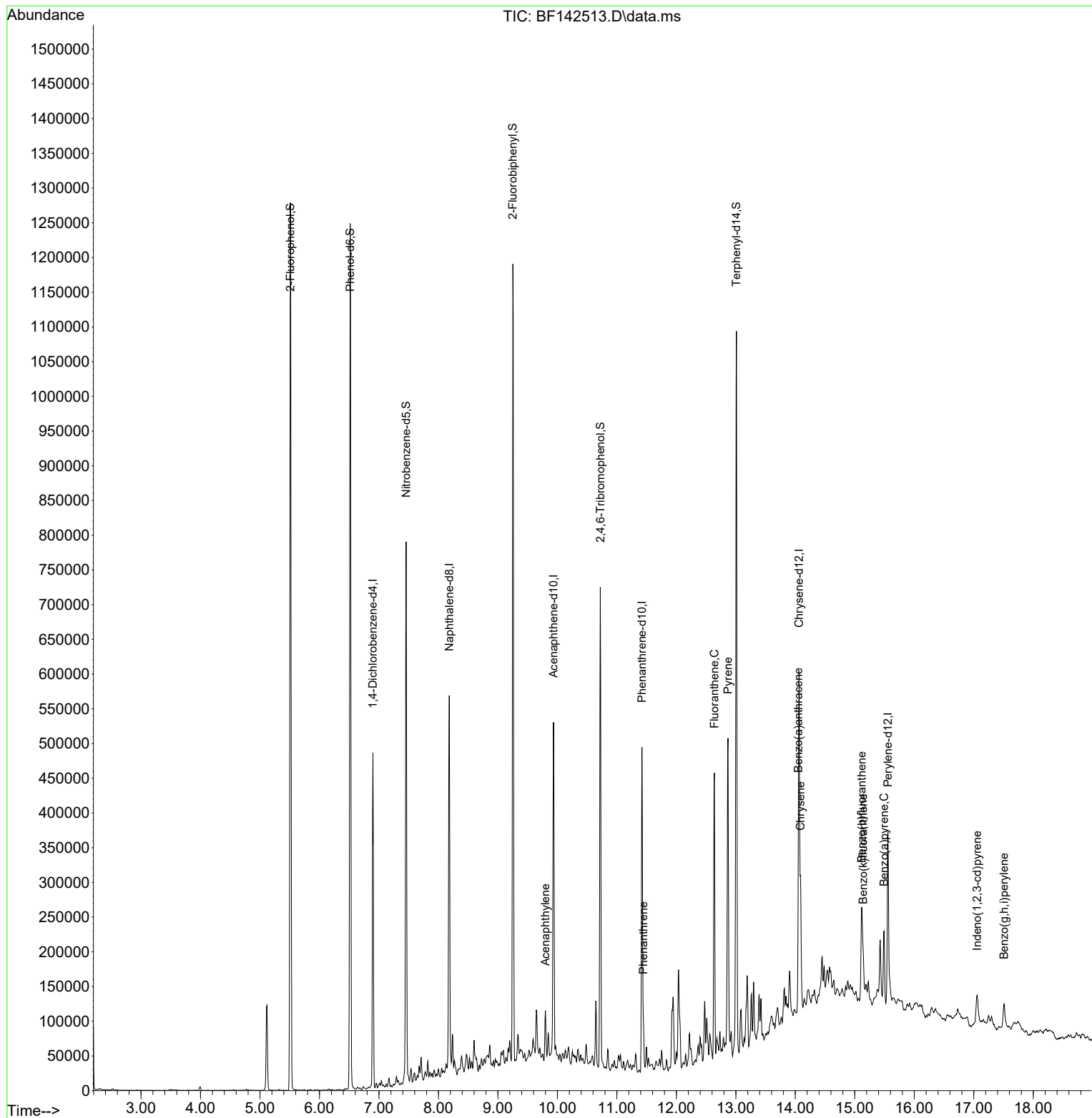
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	100796	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	331984	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	141613	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	236489	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	182992	20.000	ng	-0.01
86) Perylene-d12	15.557	264	150268	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	494096	82.586	ng	0.00
7) Phenol-d6	6.516	99	574621	79.788	ng	-0.02
23) Nitrobenzene-d5	7.457	82	319194	52.428	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	116500	74.122	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	516485	48.940	ng	-0.02
79) Terphenyl-d14	13.010	244	504282	37.659	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.798	152	31014	2.263	ng	96
71) Phenanthrene	11.445	178	36032	2.851	ng	98
75) Fluoranthene	12.639	202	237713	20.129	ng	100
78) Pyrene	12.869	202	269306	15.776	ng	99
81) Benzo(a)anthracene	14.051	228	93070m	7.617	ng	
83) Chrysene	14.086	228	102605	9.345	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	33902	3.005	ng	97
88) Benzo(b)fluoranthene	15.116	252	101084m	11.366	ng	
89) Benzo(k)fluoranthene	15.139	252	19022m	2.284	ng	
90) Benzo(a)pyrene	15.492	252	64411	7.683	ng	# 97
92) Benzo(g,h,i)perylene	17.510	276	31581	3.451	ng	97

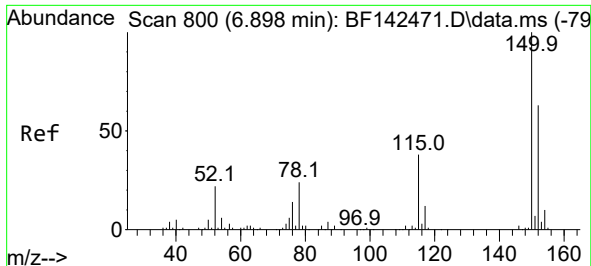
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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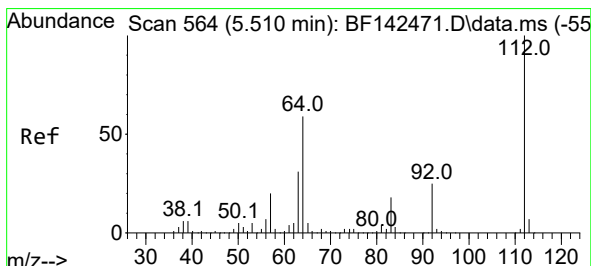
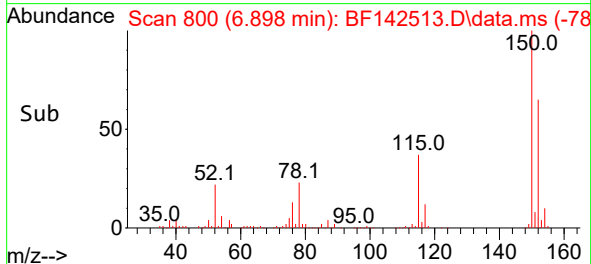
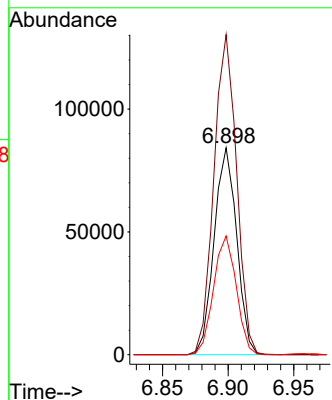
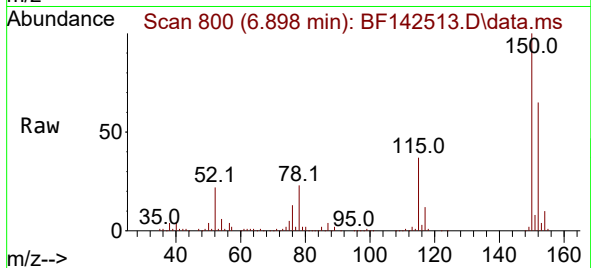




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142513.D
 Acq: 22 May 2025 16:34

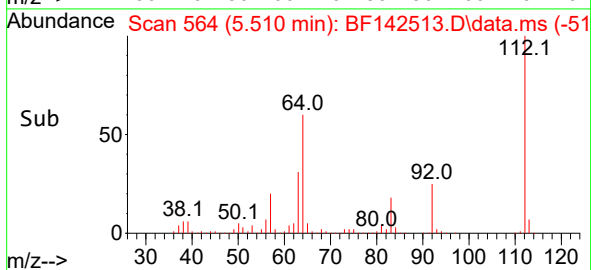
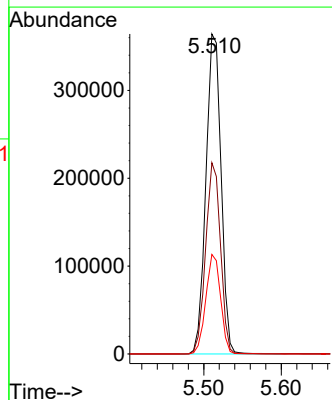
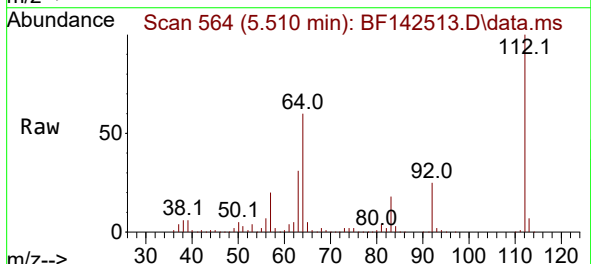
Instrument :
 BNA_F
 ClientSampleId :
 TP-12

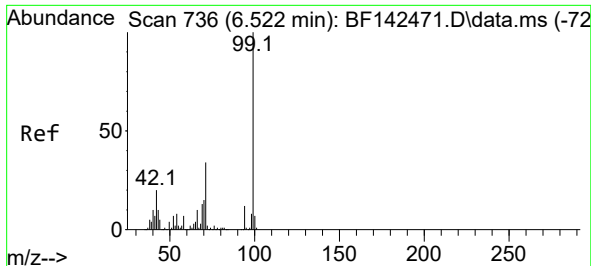
Tgt Ion:152 Resp: 100796
 Ion Ratio Lower Upper
 152 100
 150 154.6 128.2 192.4
 115 57.4 48.3 72.5



#5
 2-Fluorophenol
 Concen: 82.586 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142513.D
 Acq: 22 May 2025 16:34

Tgt Ion:112 Resp: 494096
 Ion Ratio Lower Upper
 112 100
 64 59.7 47.5 71.3
 63 31.1 24.9 37.3





#7

Phenol-d6

Concen: 79.788 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

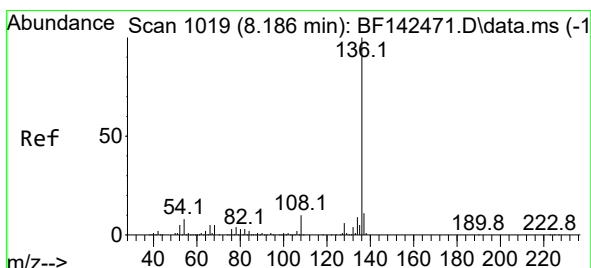
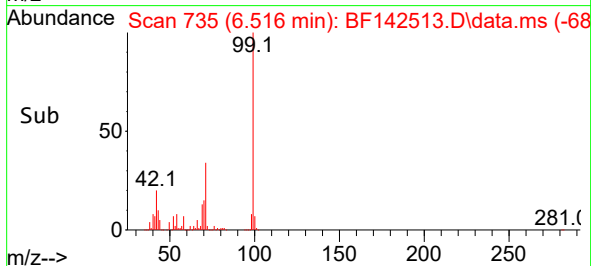
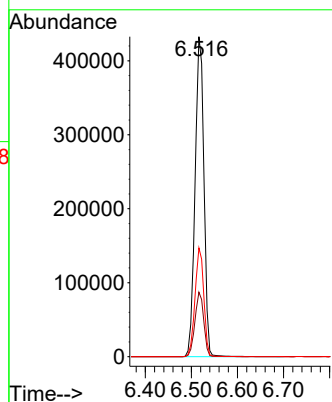
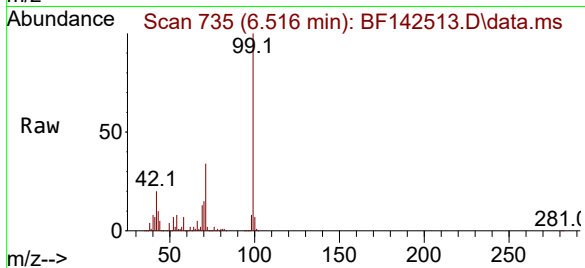
Tgt Ion: 99 Resp: 574621

Ion Ratio Lower Upper

99 100

42 20.2 16.2 24.2

71 34.0 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: BF142513.D

Acq: 22 May 2025 16:34

Tgt Ion: 136 Resp: 331984

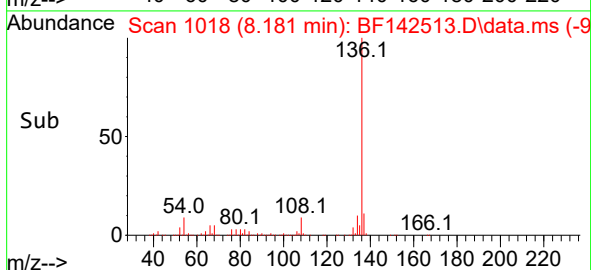
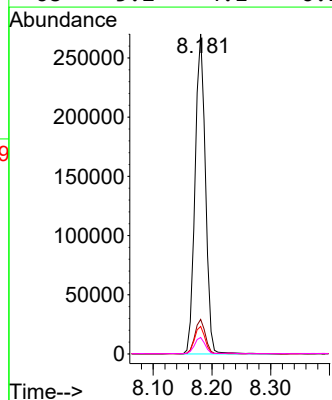
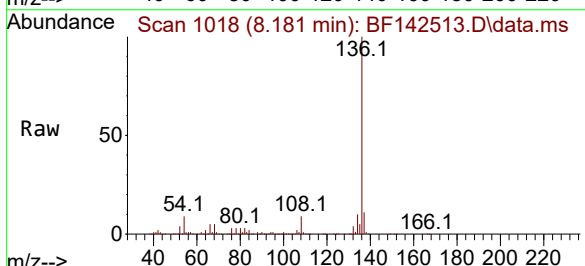
Ion Ratio Lower Upper

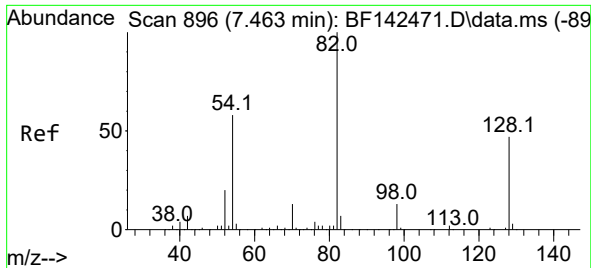
136 100

137 10.8 8.6 13.0

54 8.6 6.6 10.0

68 5.2 4.1 6.1

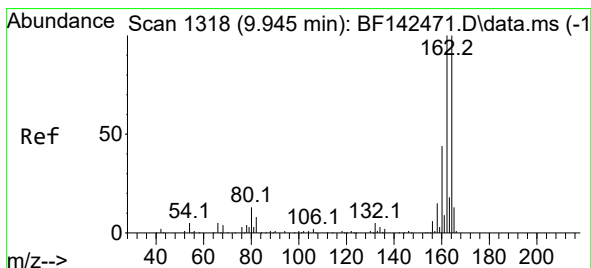
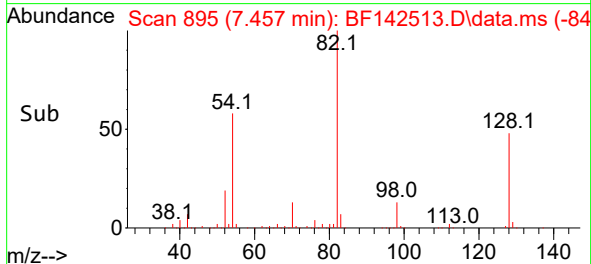
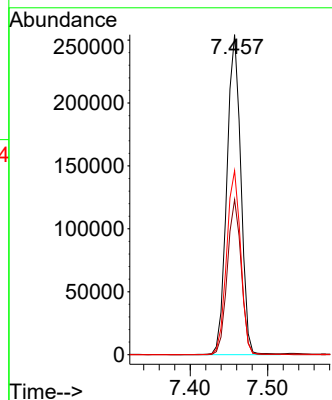
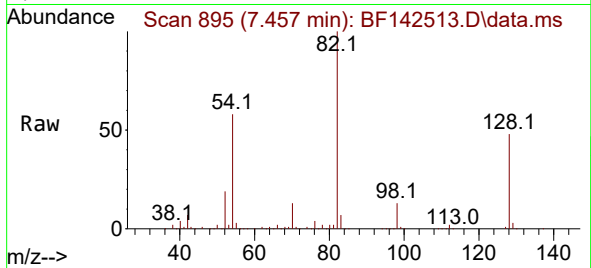




#23
Nitrobenzene-d5
Concen: 52.428 ng
RT: 7.457 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

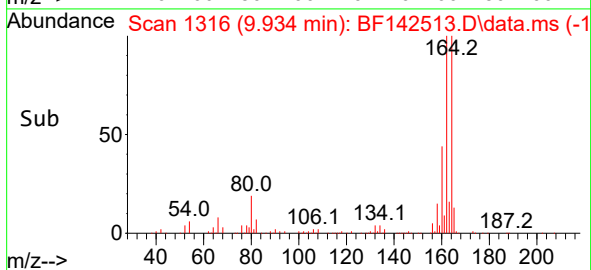
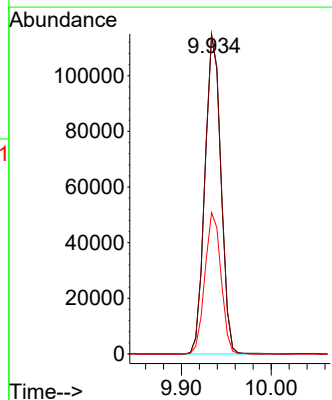
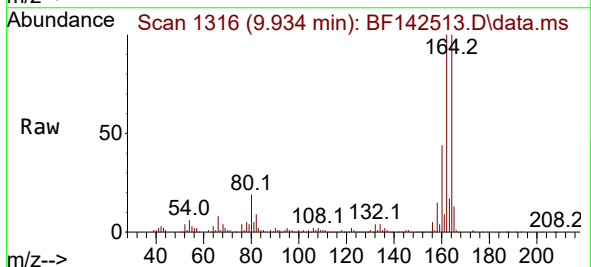
Instrument :
BNA_F
ClientSampleId :
TP-12

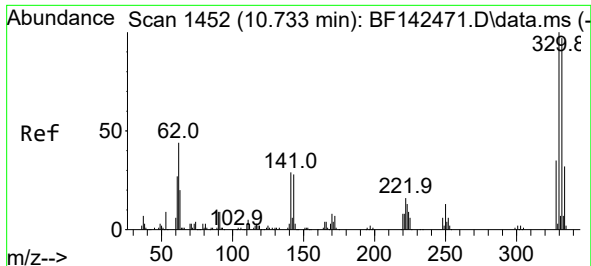
Tgt Ion: 82 Resp: 319194
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 57.5 46.6 70.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:164 Resp: 141613
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 74.122 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

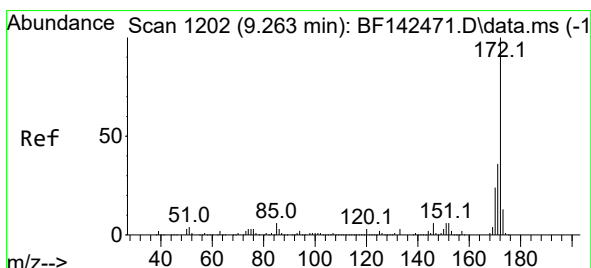
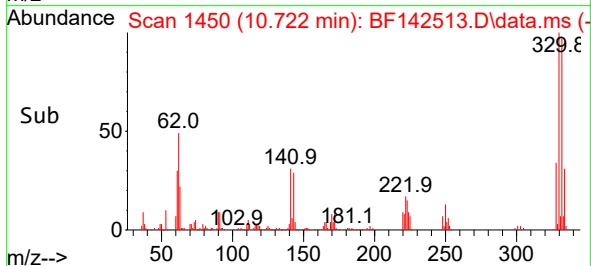
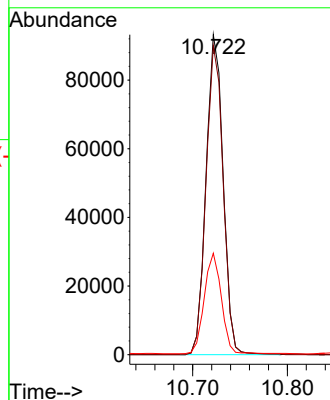
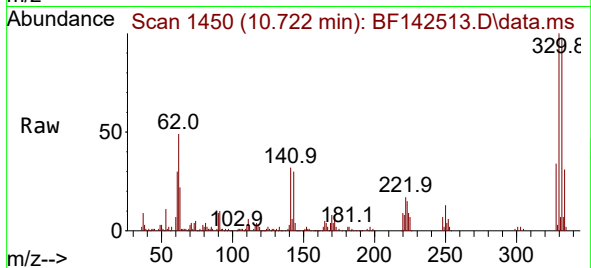
Tgt Ion:330 Resp: 116500

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 31.4 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 48.940 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

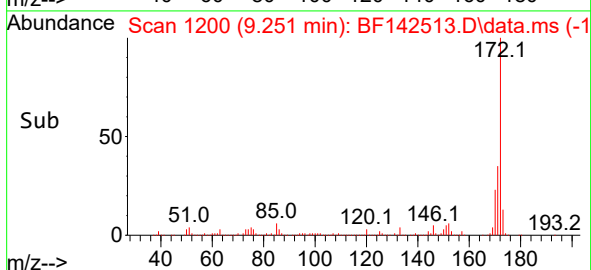
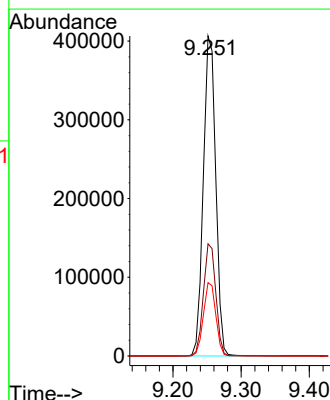
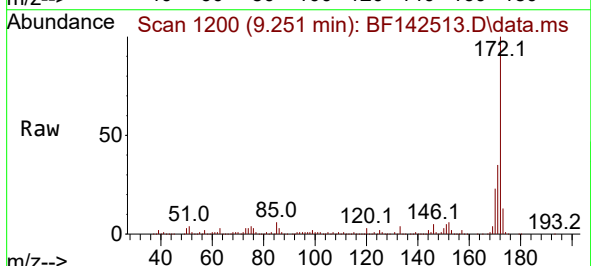
Tgt Ion:172 Resp: 516485

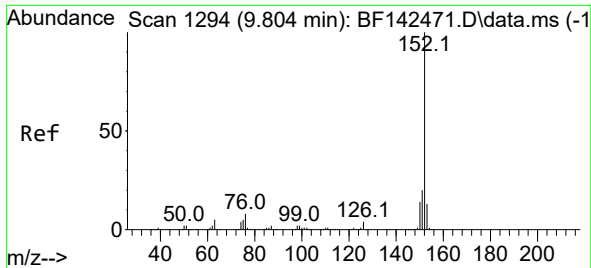
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 22.9 18.9 28.3





#49

Acenaphthylene

Concen: 2.263 ng

RT: 9.798 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

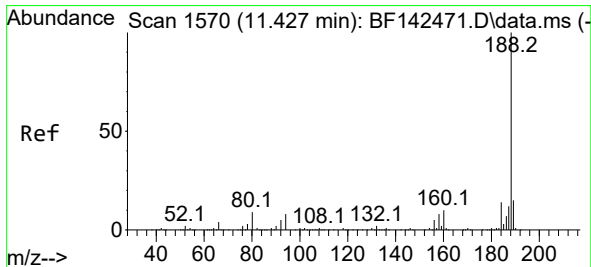
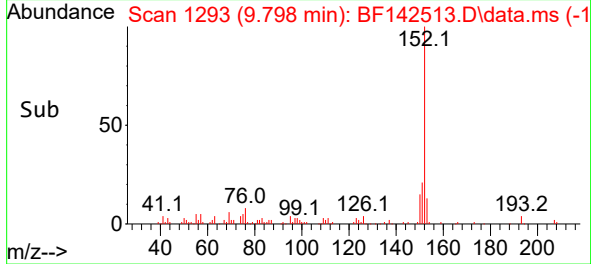
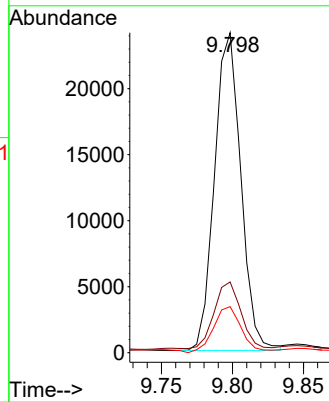
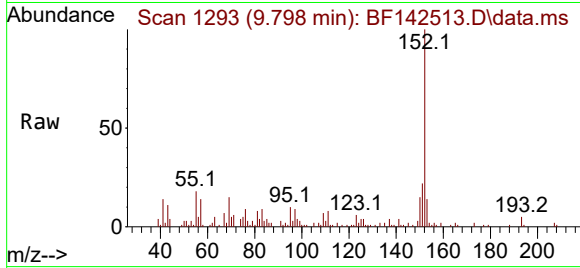
Tgt Ion:152 Resp: 31014

Ion Ratio Lower Upper

152 100

151 22.1 15.8 23.8

153 14.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

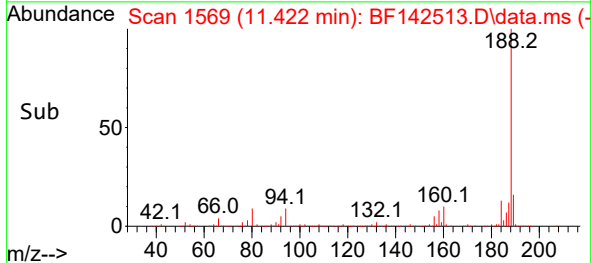
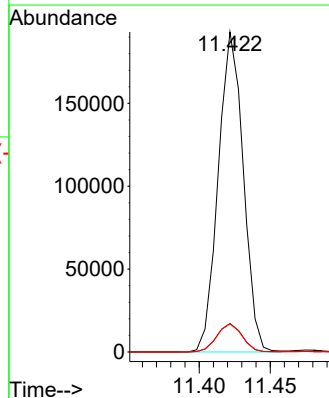
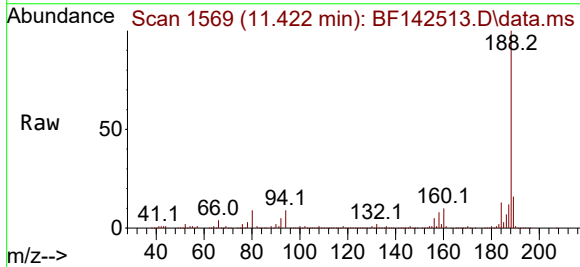
Tgt Ion:188 Resp: 236489

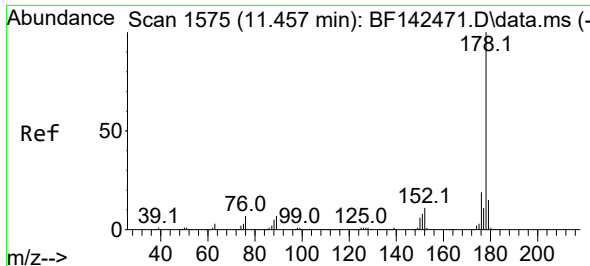
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 8.8 7.4 11.0

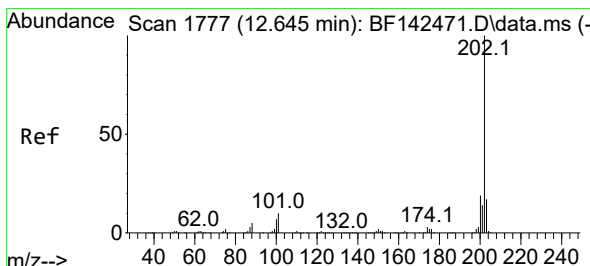
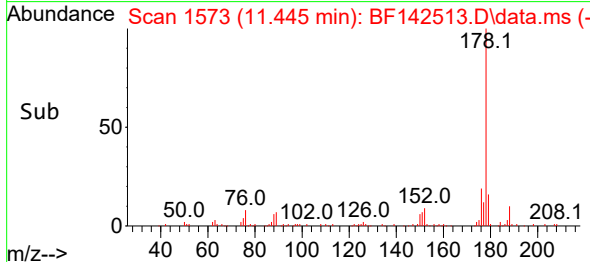
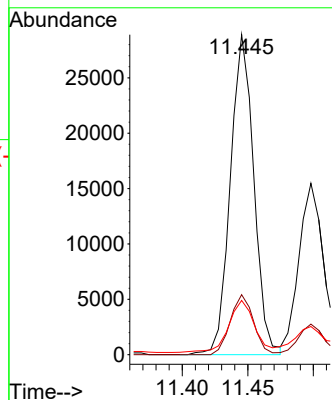
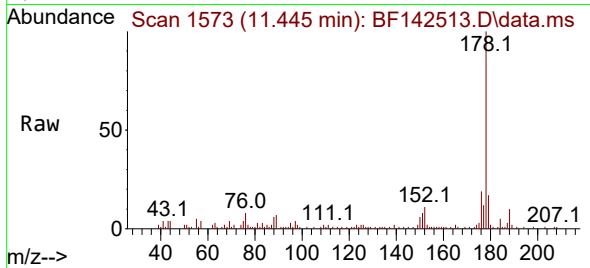




#71
Phenanthrene
Concen: 2.851 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

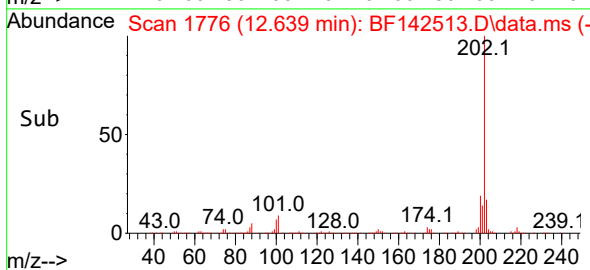
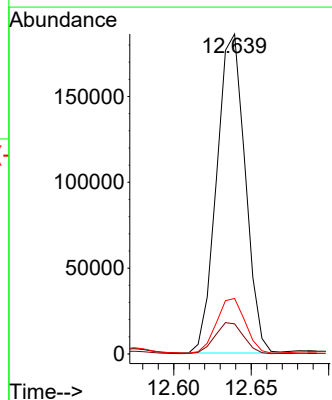
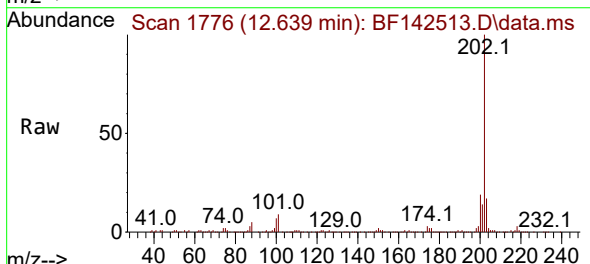
Instrument :
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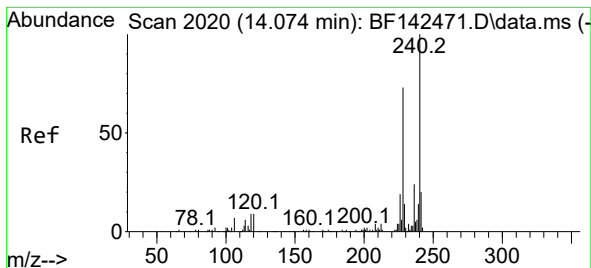
Tgt Ion:178 Resp: 36032
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 16.9 12.3 18.5



#75
Fluoranthene
Concen: 20.129 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:202 Resp: 237713
Ion Ratio Lower Upper
202 100
101 9.4 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: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

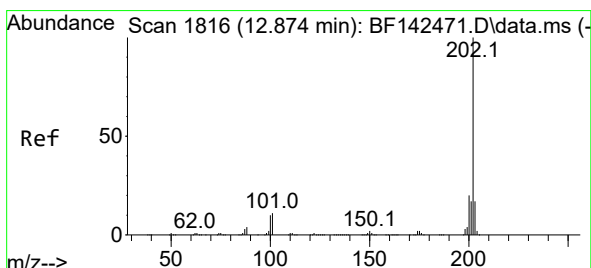
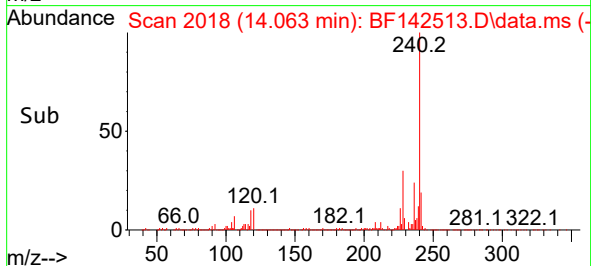
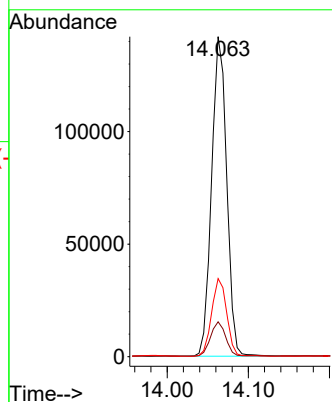
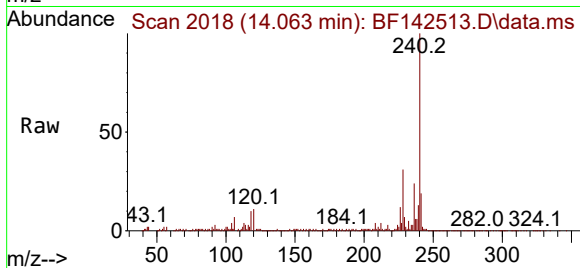
Tgt Ion:240 Resp: 182992

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

236 24.4 19.6 29.4



#78

Pyrene

Concen: 15.776 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

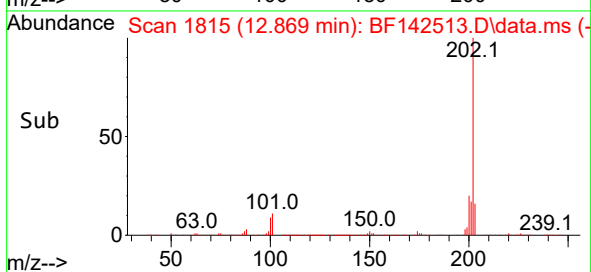
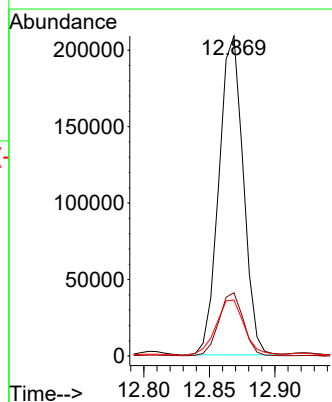
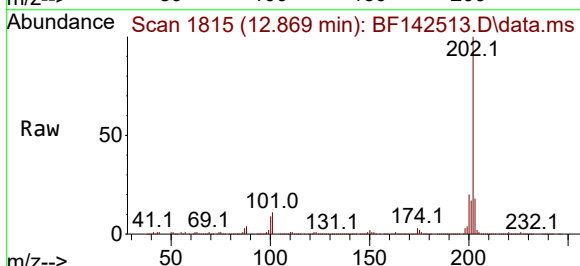
Tgt Ion:202 Resp: 269306

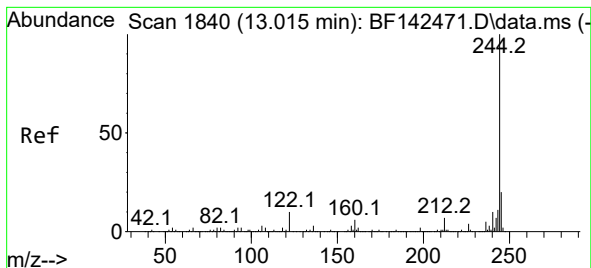
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 37.659 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

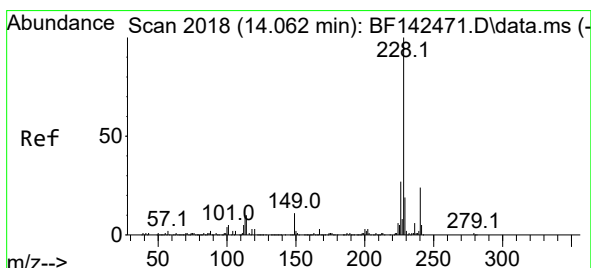
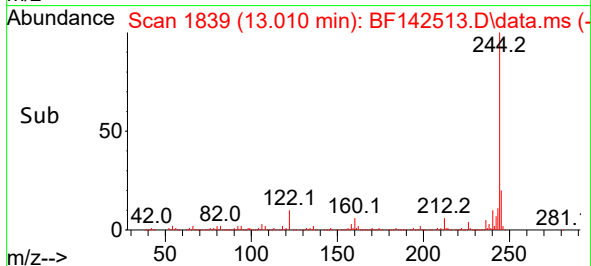
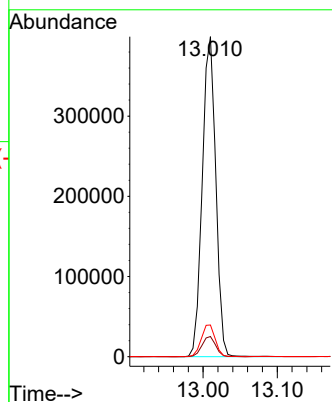
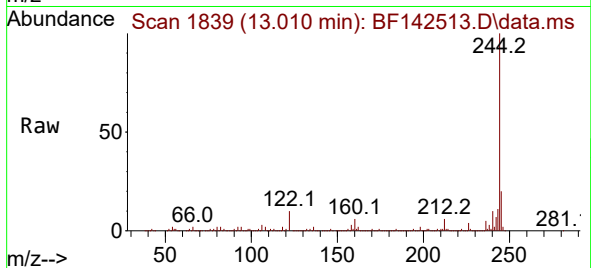
Tgt Ion:244 Resp: 504282

Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 9.9 8.2 12.2



#81

Benzo(a)anthracene

Concen: 7.617 ng m

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

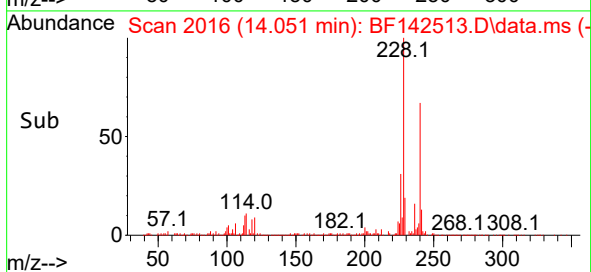
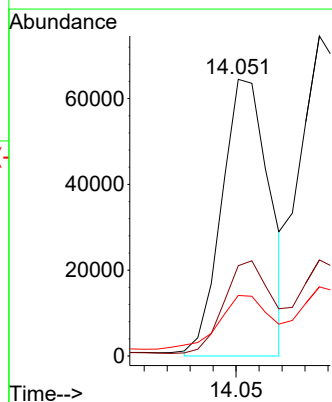
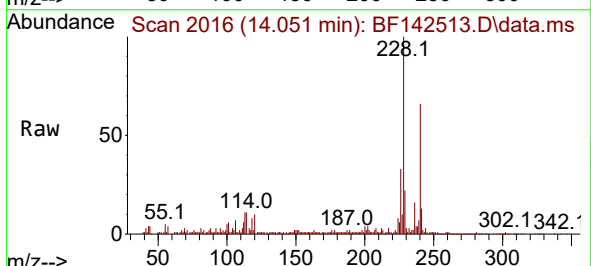
Tgt Ion:228 Resp: 93070

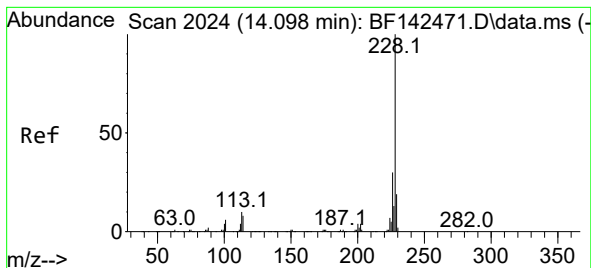
Ion Ratio Lower Upper

228 100

226 32.6 21.2 31.8#

229 21.8 15.5 23.3





#83

Chrysene

Concen: 9.345 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

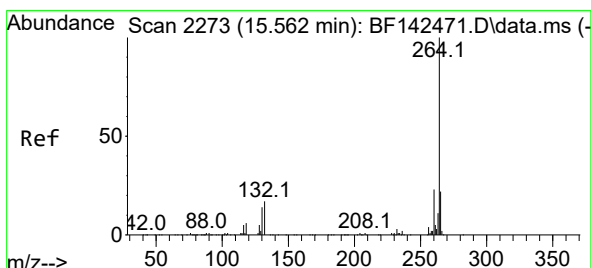
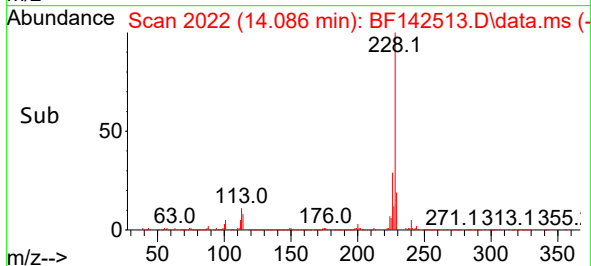
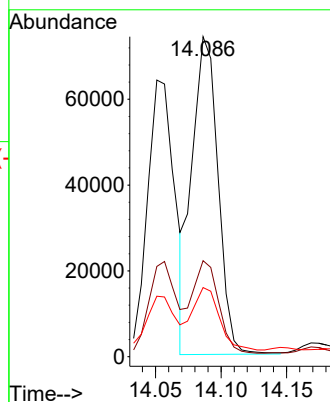
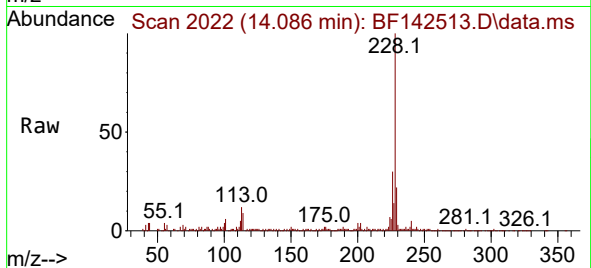
Tgt Ion:228 Resp: 102605

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 21.6 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: BF142513.D

Acq: 22 May 2025 16:34

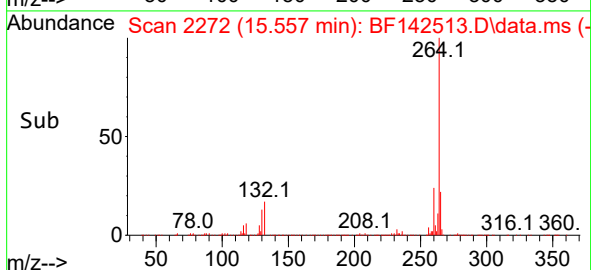
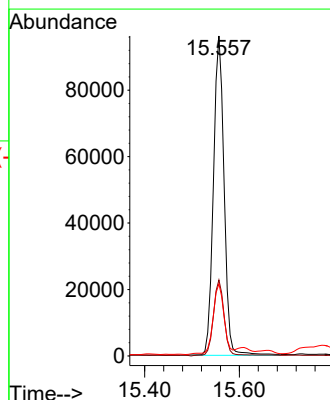
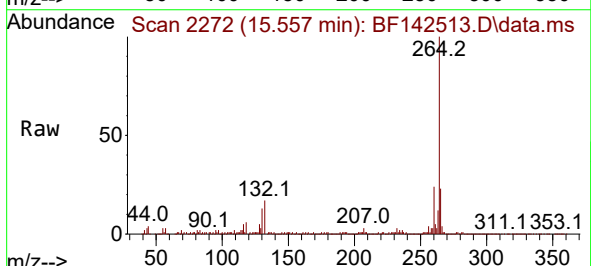
Tgt Ion:264 Resp: 150268

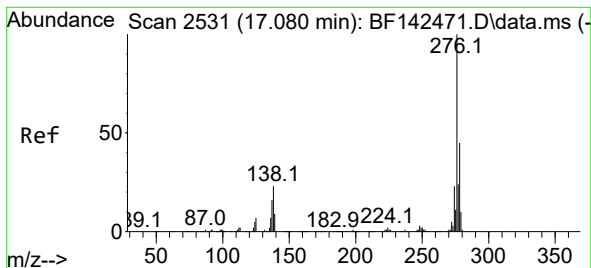
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.5 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.005 ng

RT: 17.057 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

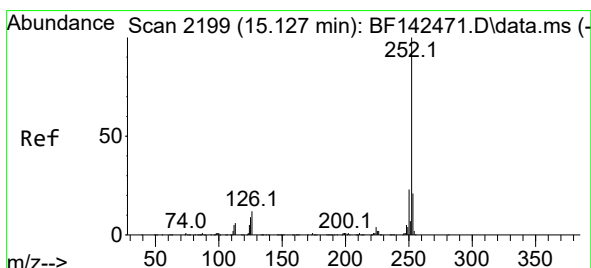
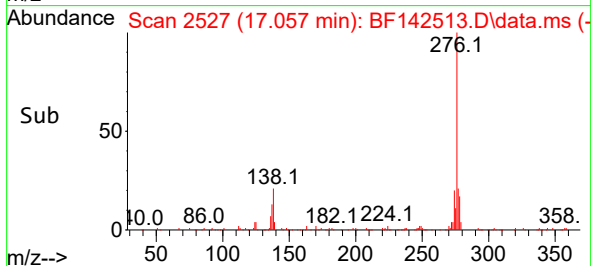
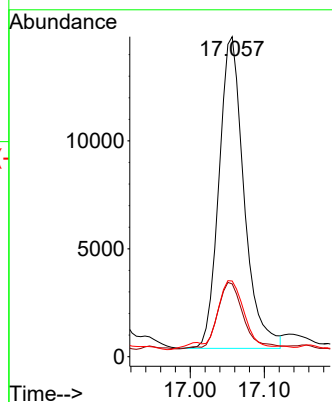
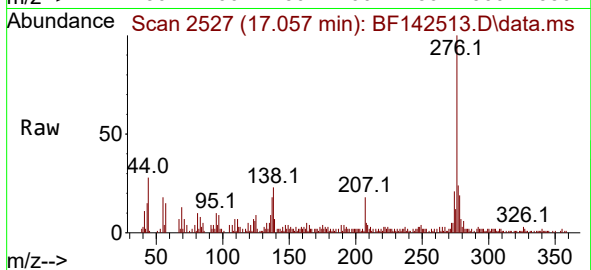
Tgt Ion:276 Resp: 33902

Ion Ratio Lower Upper

276 100

138 22.1 19.9 29.9

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.366 ng m

RT: 15.116 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

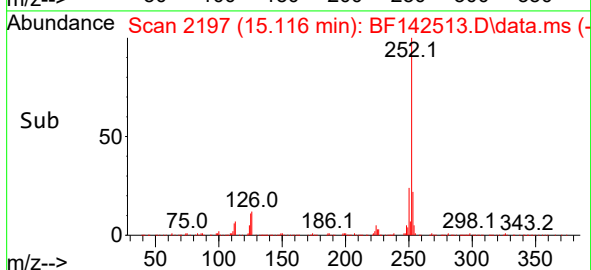
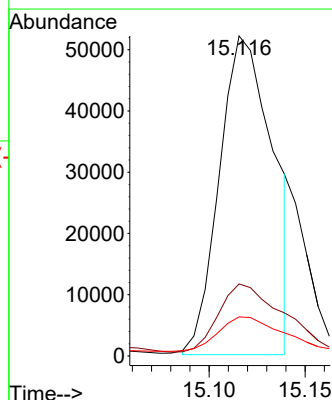
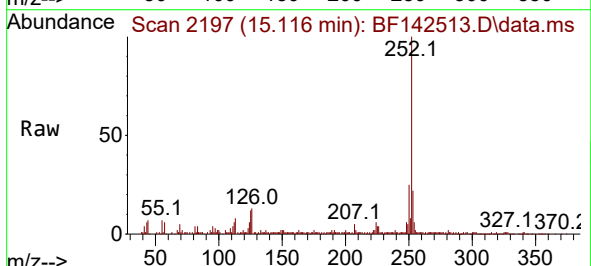
Tgt Ion:252 Resp: 101084

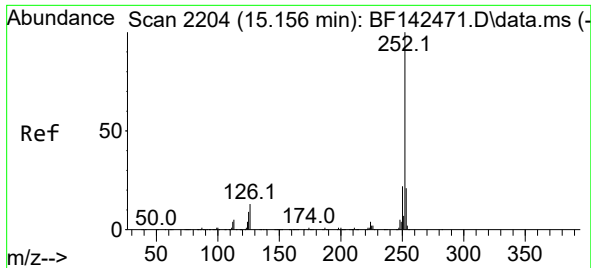
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 12.2 7.4 11.0#

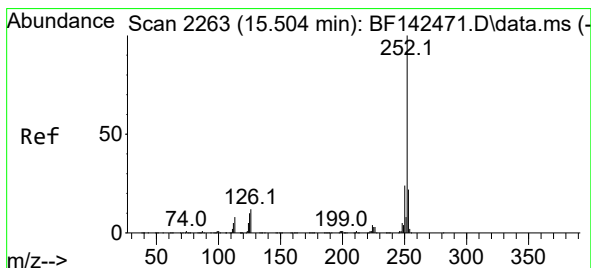
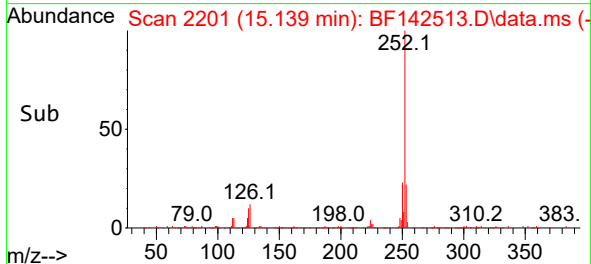
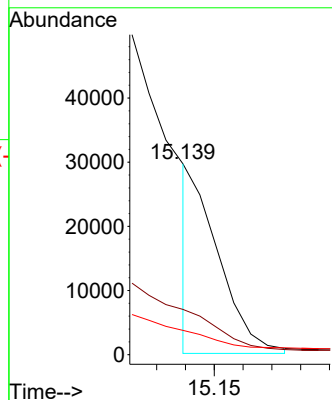
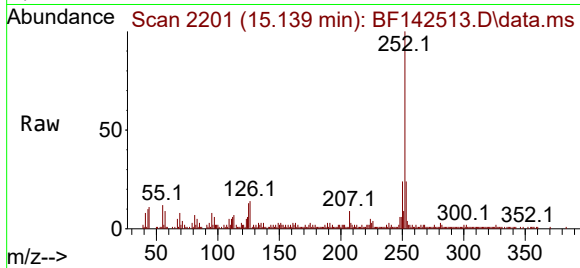




#89
Benzo(k)fluoranthene
Concen: 2.284 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

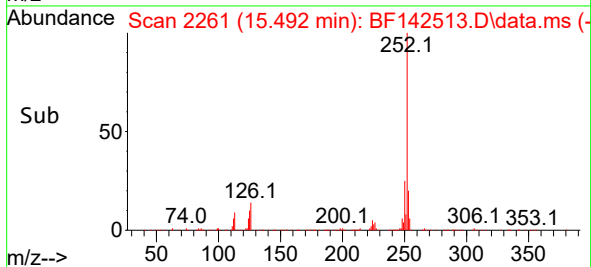
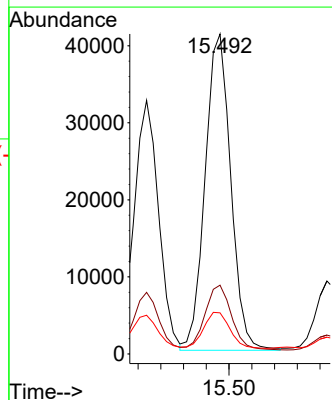
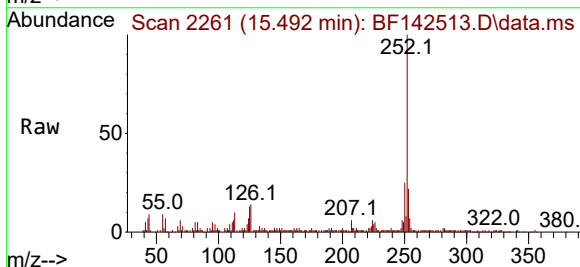
Instrument :
BNA_F
ClientSampleId :
TP-12

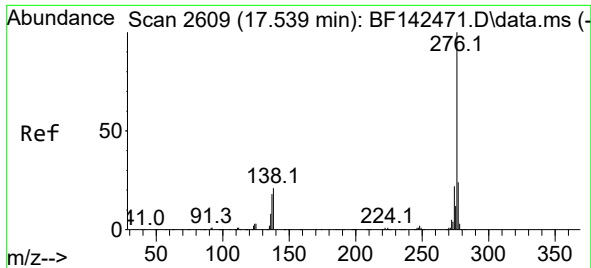
Tgt Ion:252 Resp: 19022
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 12.8 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 7.683 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

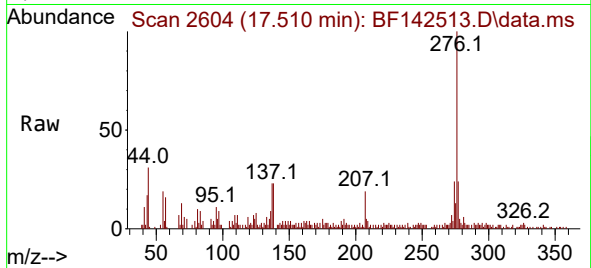
Tgt Ion:252 Resp: 64411
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 12.8 7.9 11.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.451 ng
 RT: 17.510 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF142513.D
 Acq: 22 May 2025 16:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-12



Tgt Ion:	276	Resp:	31581
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.2	28.8
138	23.1	16.8	25.2

