

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142584.D
 Acq On : 30 May 2025 22:11
 Operator : RC/JU
 Sample : Q2150-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-50

Quant Time: May 31 00:11:34 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)

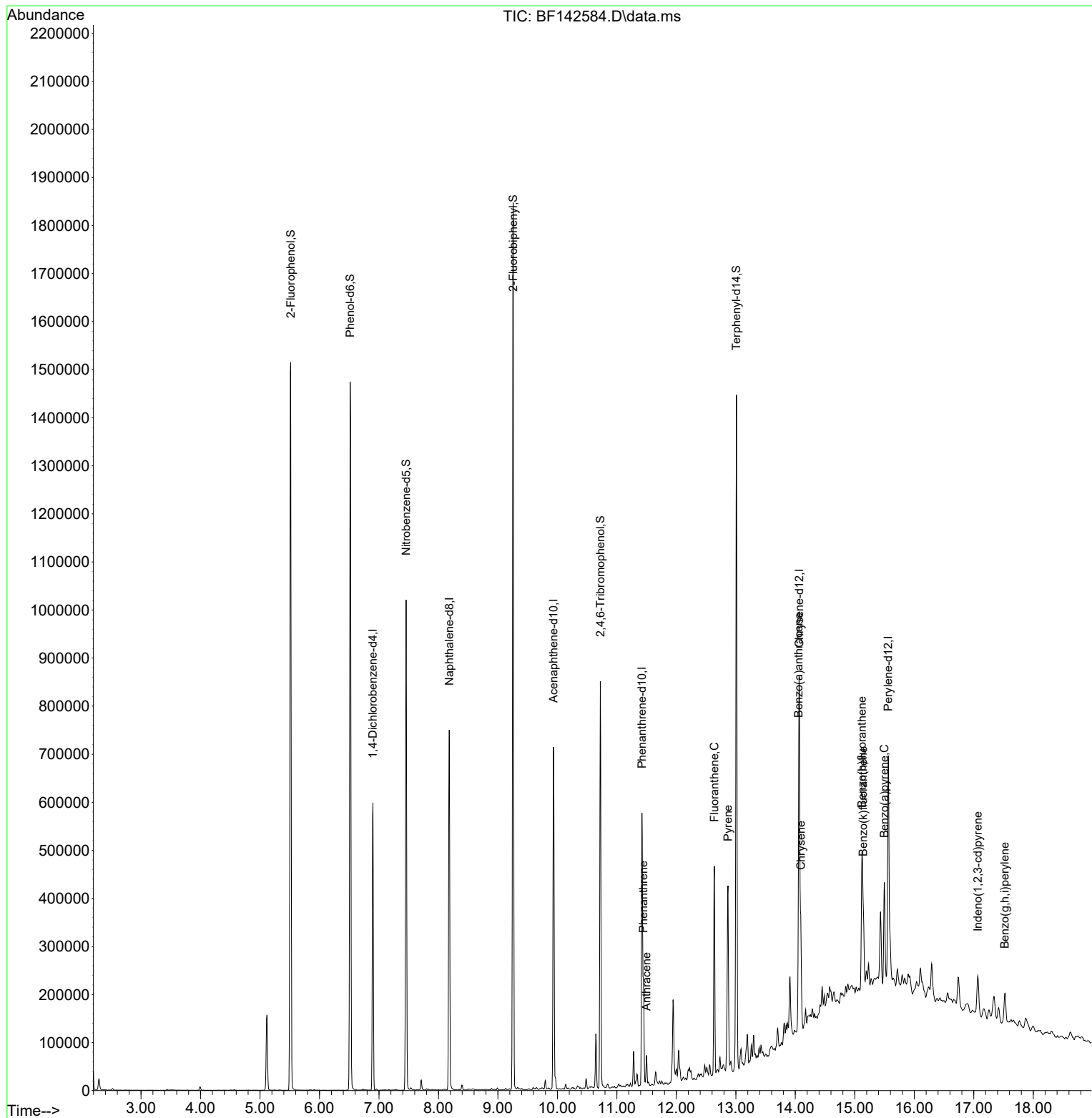
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	131837	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470624	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	213475	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	294969	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	274370	20.000	ng	0.00
86) Perylene-d12	15.563	264	279386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	606974	77.566	ng	0.00
7) Phenol-d6	6.516	99	711329	75.514	ng	-0.02
23) Nitrobenzene-d5	7.457	82	427869	49.575	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	145565	61.438	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	850482	53.460	ng	-0.01
79) Terphenyl-d14	13.010	244	670828	33.412	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	113607	7.207	ng	100
72) Anthracene	11.498	178	36095	2.244	ng	99
75) Fluoranthene	12.639	202	254483	17.277	ng	100
78) Pyrene	12.869	202	230618	9.010	ng	99
81) Benzo(a)anthracene	14.057	228	161449	8.812	ng	95
83) Chrysene	14.092	228	122044	7.413	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	60492	2.884	ng	97
88) Benzo(b)fluoranthene	15.121	252	189779m	11.477	ng	
89) Benzo(k)fluoranthene	15.139	252	61390m	3.964	ng	
90) Benzo(a)pyrene	15.498	252	130312	8.361	ng	97
92) Benzo(g,h,i)perylene	17.521	276	58698	3.450	ng	95

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

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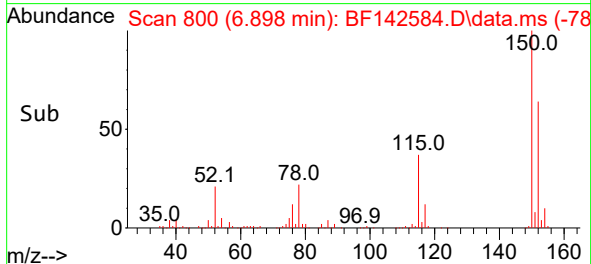
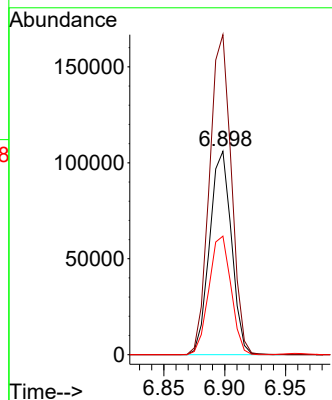
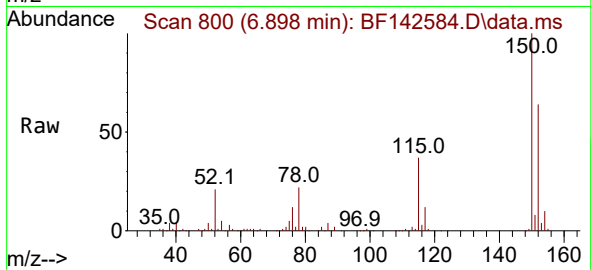




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

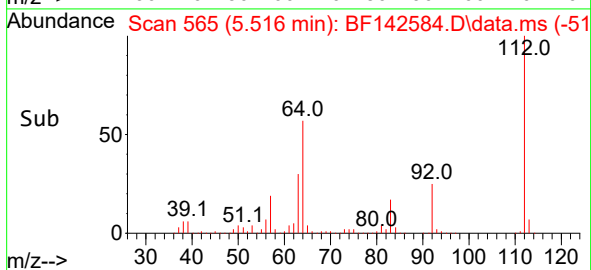
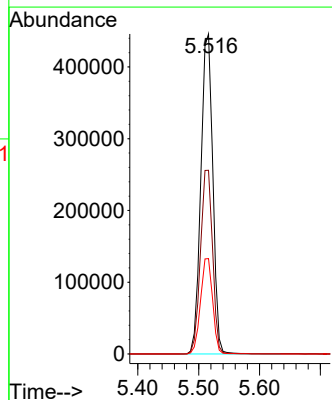
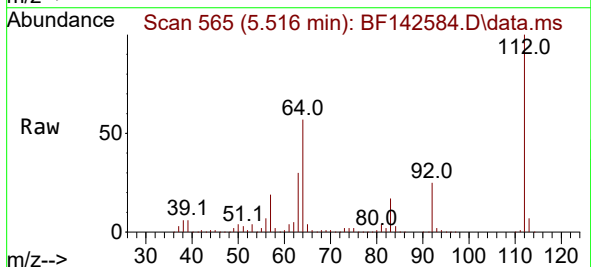
Instrument :
 BNA_F
 ClientSampleId :
 TP-50

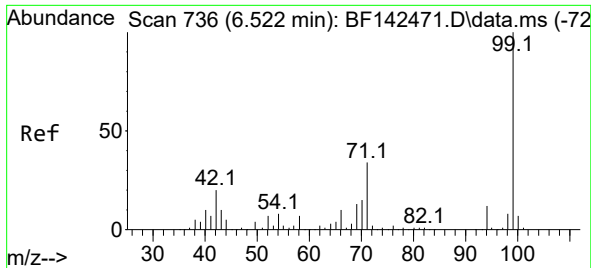
Tgt Ion:152 Resp: 131837
 Ion Ratio Lower Upper
 152 100
 150 157.3 128.2 192.4
 115 58.3 48.3 72.5



#5
 2-Fluorophenol
 Concen: 77.566 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Tgt Ion:112 Resp: 606974
 Ion Ratio Lower Upper
 112 100
 64 57.4 47.5 71.3
 63 29.8 24.9 37.3

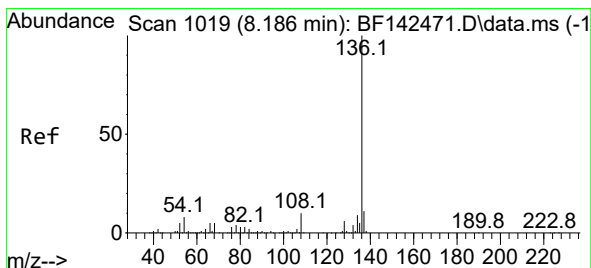
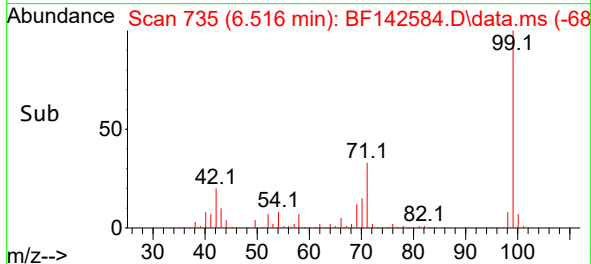
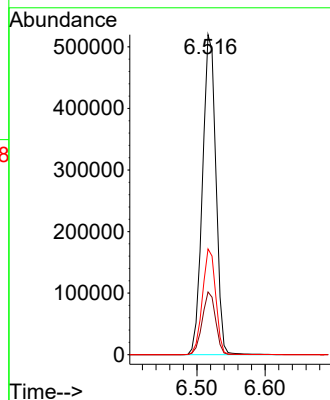
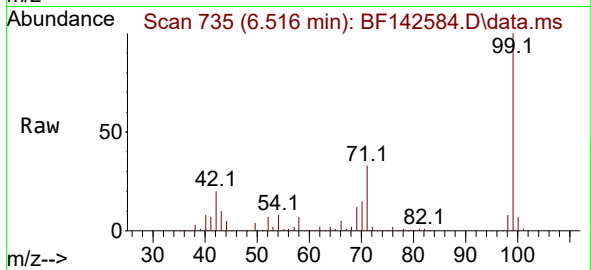




#7
Phenol-d6
Concen: 75.514 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

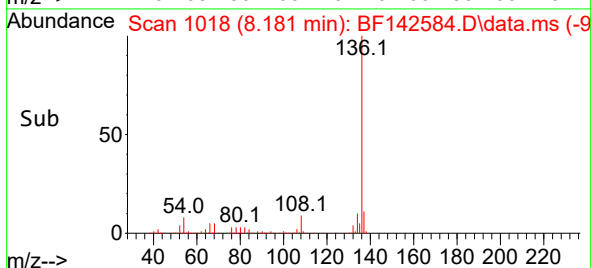
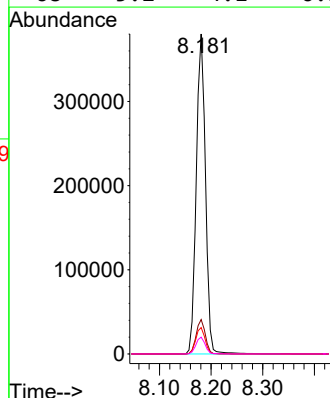
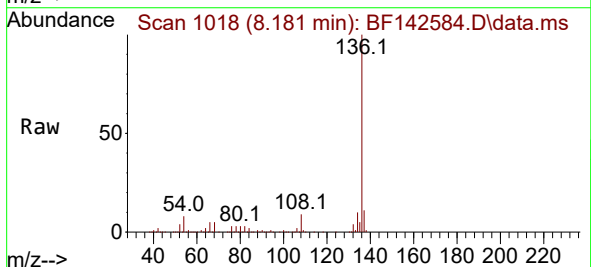
Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion: 99 Resp: 711329
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.1 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: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:136 Resp: 470624
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 6.6 10.0
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 49.575 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

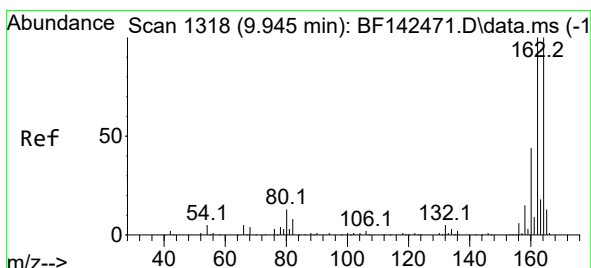
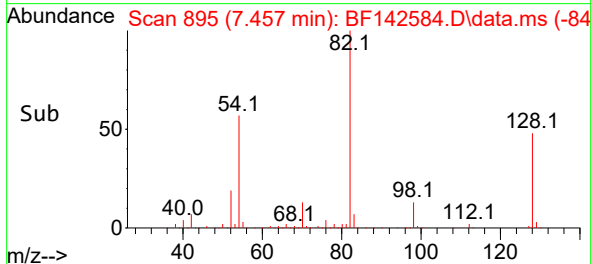
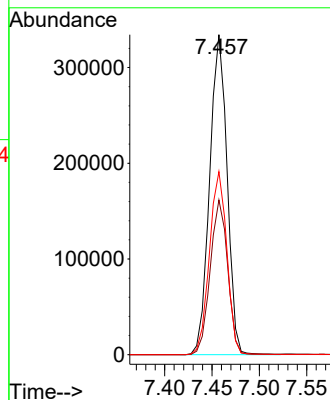
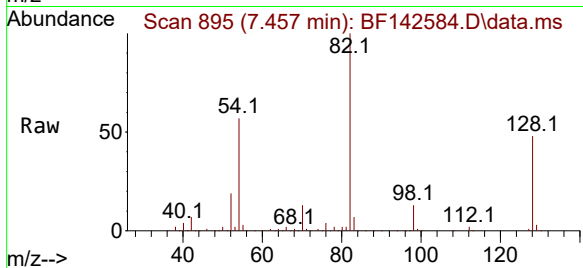
Tgt Ion: 82 Resp: 427869

Ion Ratio Lower Upper

82 100

128 48.4 37.4 56.2

54 57.2 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: BF142584.D

Acq: 30 May 2025 22:11

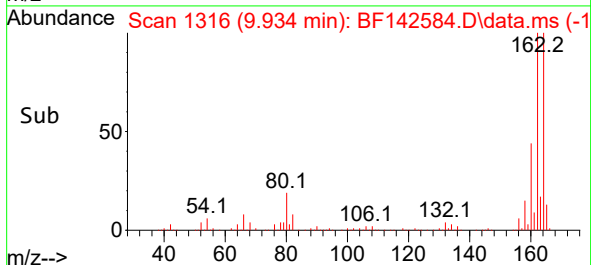
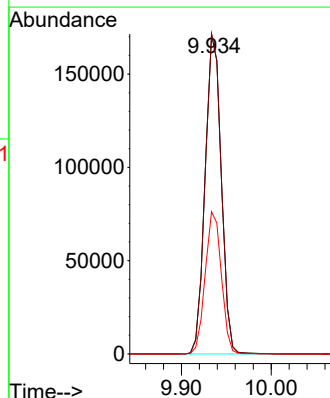
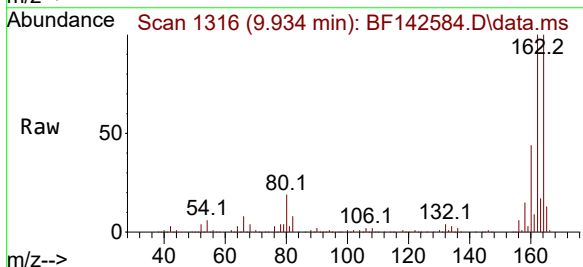
Tgt Ion:164 Resp: 213475

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.4

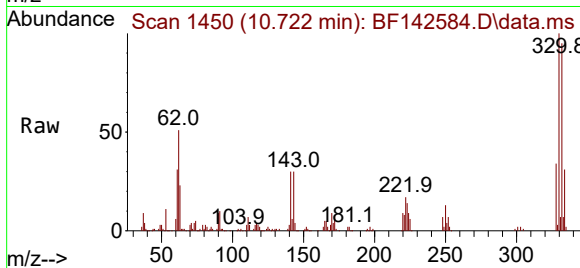
160 44.5 35.6 53.4



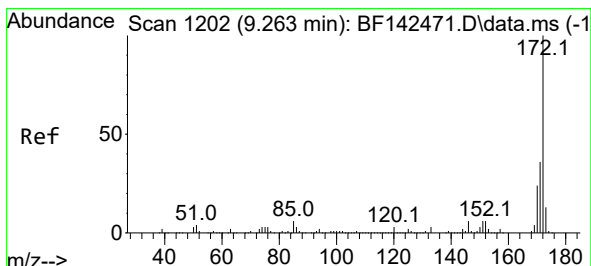
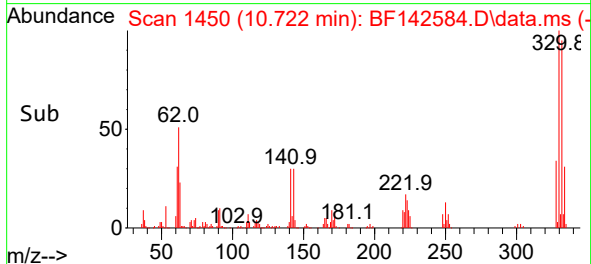
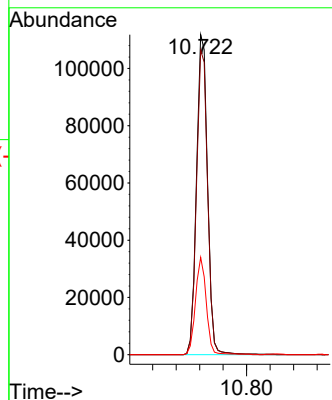


#42
2,4,6-Tribromophenol
Concen: 61.438 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

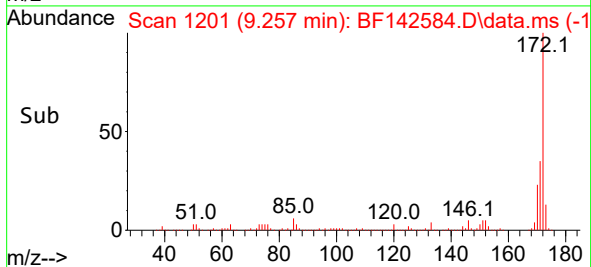
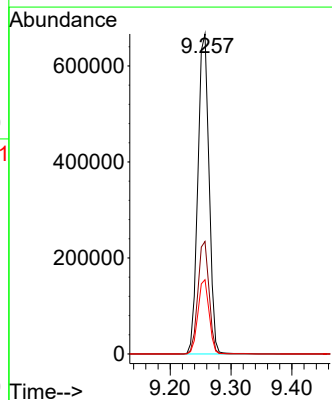
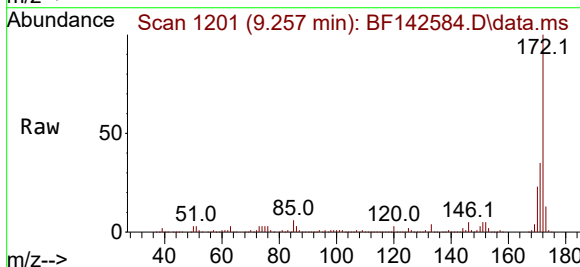


Tgt Ion:330 Resp: 145565
Ion Ratio Lower Upper
330 100
332 95.7 77.6 116.4
141 29.7 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 53.460 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:172 Resp: 850482
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 18.9 28.3

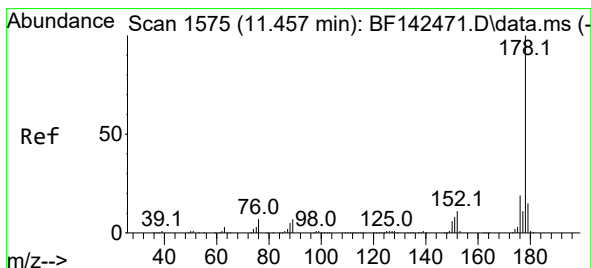
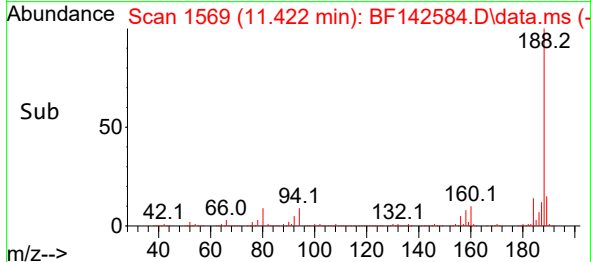
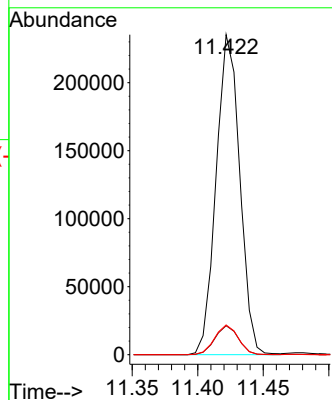
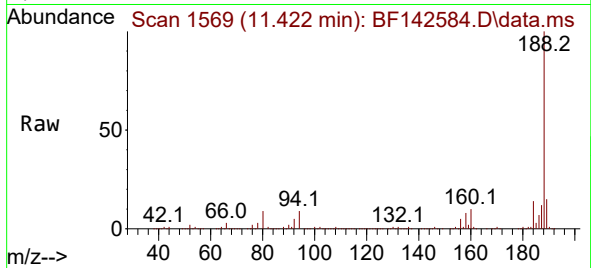




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

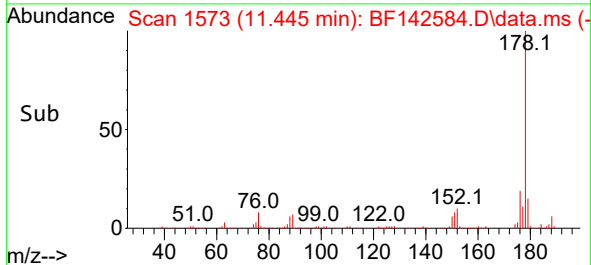
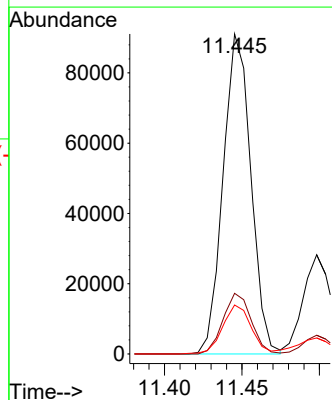
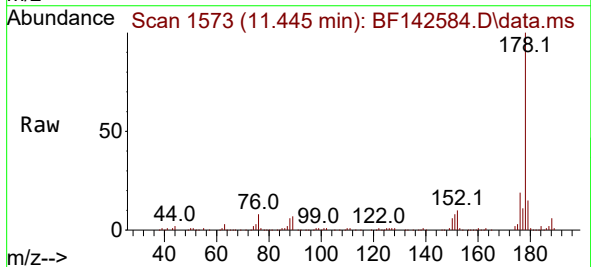
Instrument :
BNA_F
ClientSampleId :
TP-50

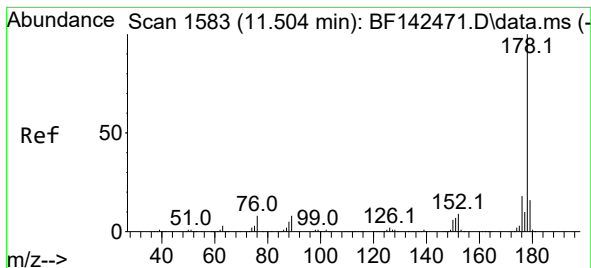
Tgt Ion:188 Resp: 294969
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.3 7.4 11.0



#71
Phenanthrene
Concen: 7.207 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:178 Resp: 113607
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.3 18.5





#72

Anthracene

Concen: 2.244 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

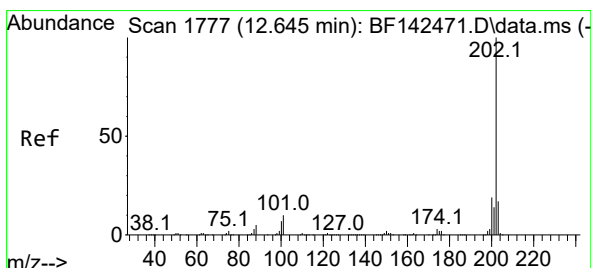
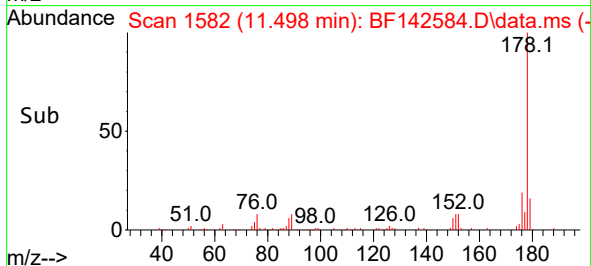
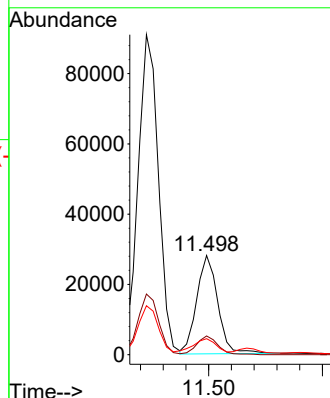
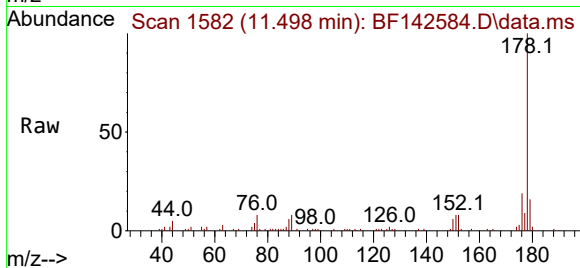
Tgt Ion:178 Resp: 36095

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 17.277 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

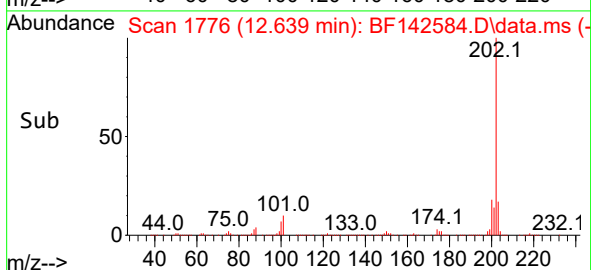
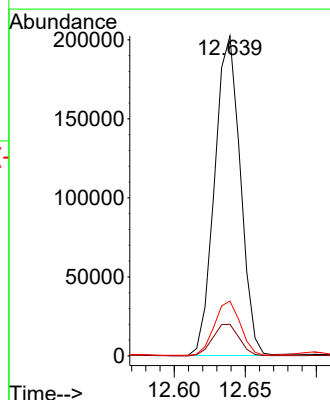
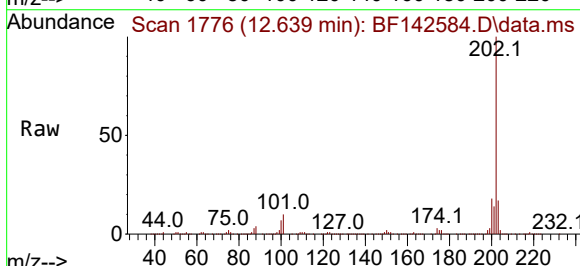
Tgt Ion:202 Resp: 254483

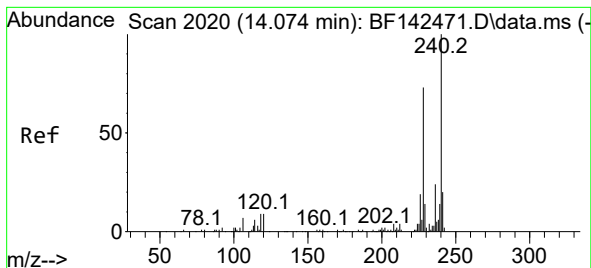
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 17.1 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

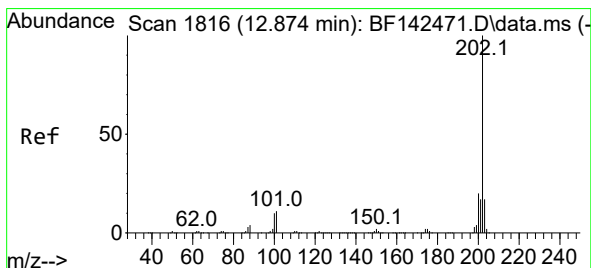
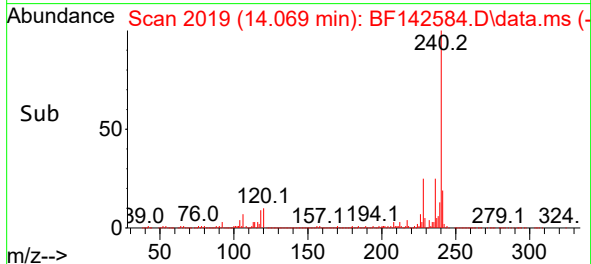
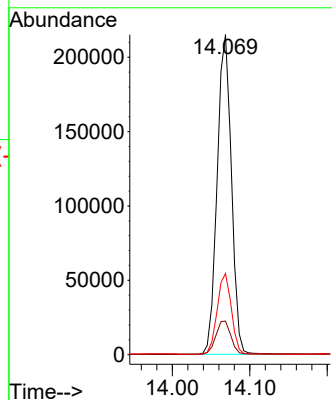
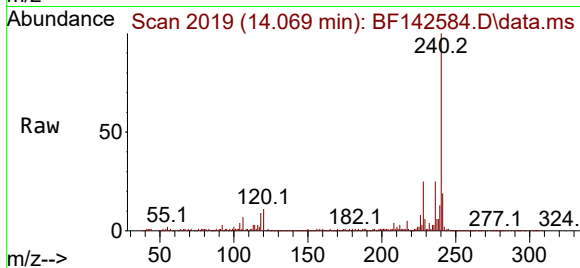
Tgt Ion:240 Resp: 274370

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.4 19.6 29.4



#78

Pyrene

Concen: 9.010 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

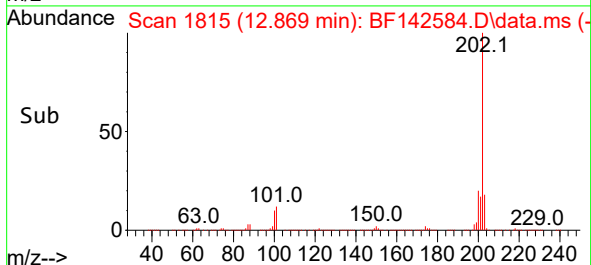
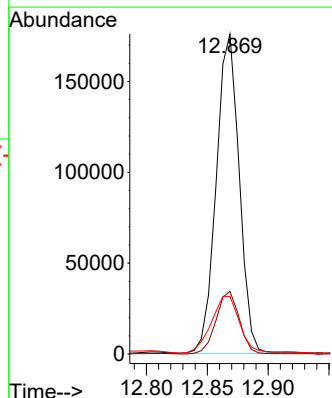
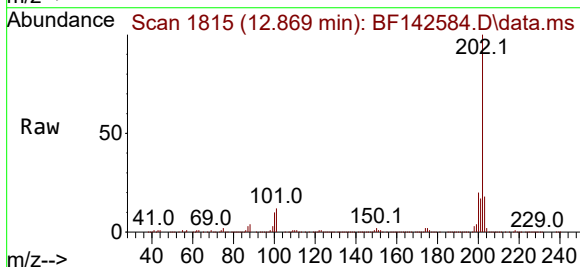
Tgt Ion:202 Resp: 230618

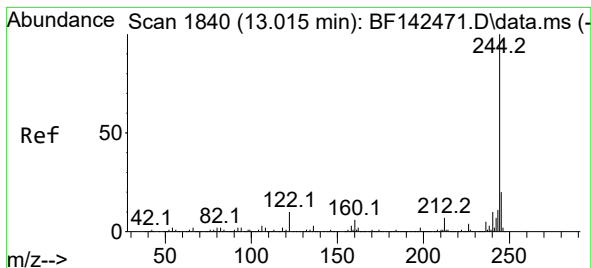
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 33.412 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

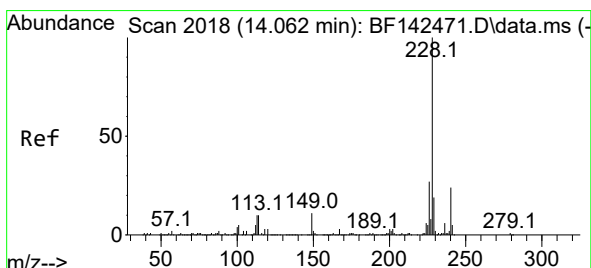
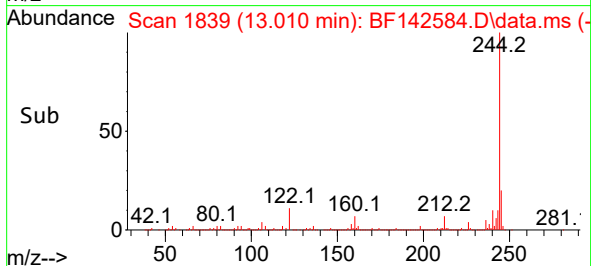
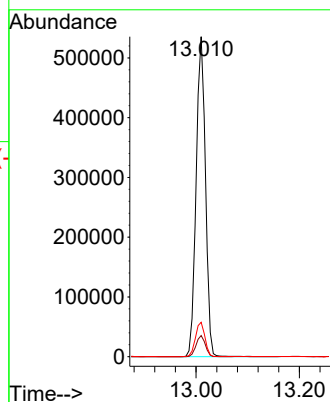
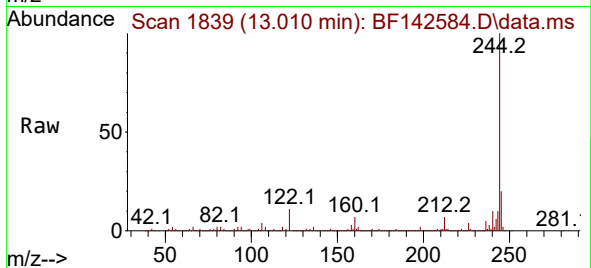
Tgt Ion:244 Resp: 670828

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 10.8 8.2 12.2



#81

Benzo(a)anthracene

Concen: 8.812 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

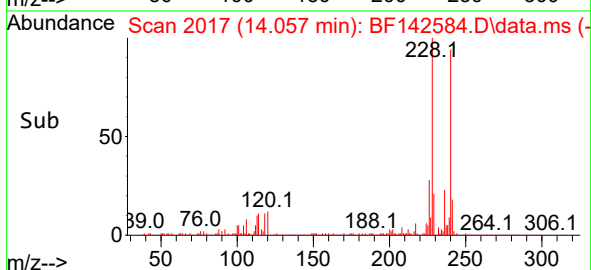
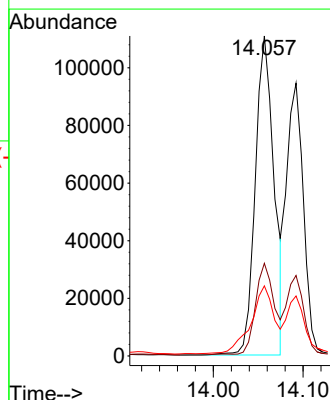
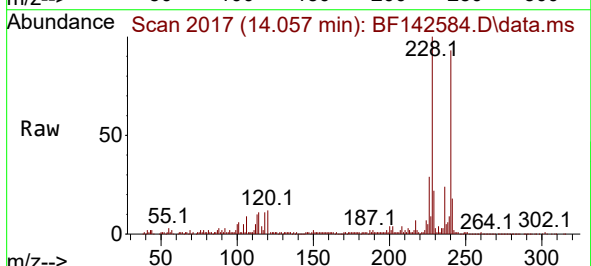
Tgt Ion:228 Resp: 161449

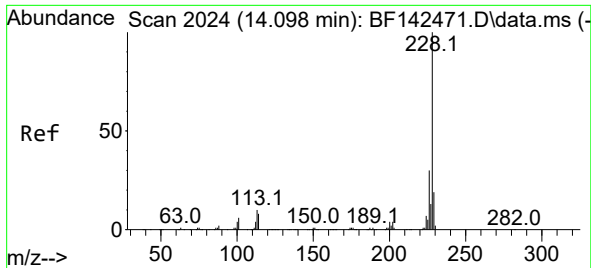
Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

229 21.9 15.5 23.3

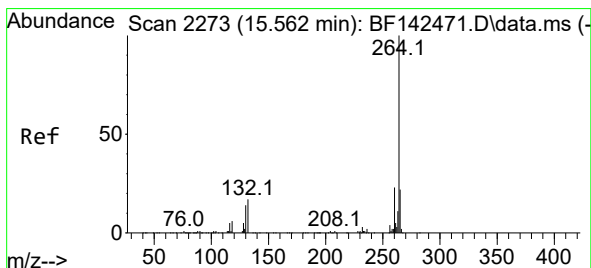
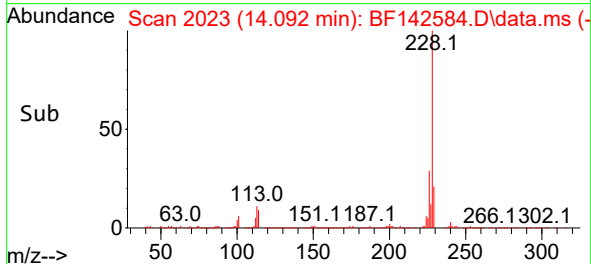
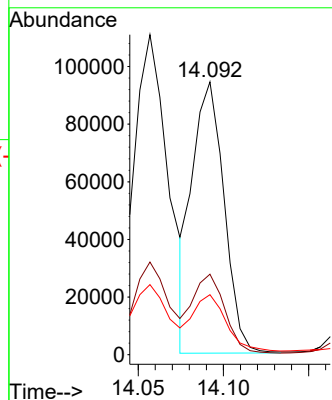
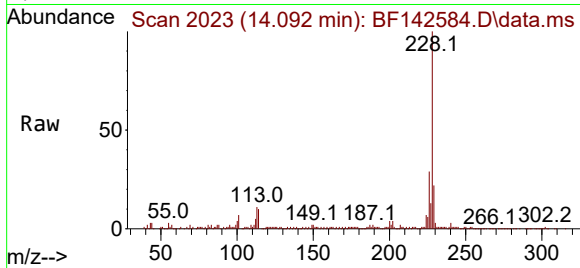




#83
Chrysene
Concen: 7.413 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

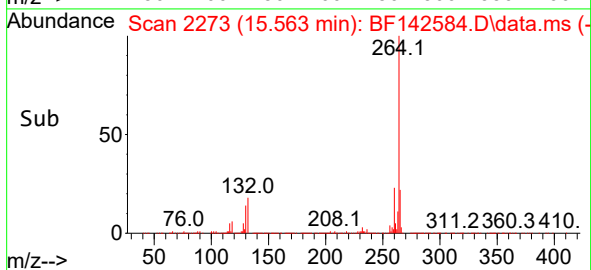
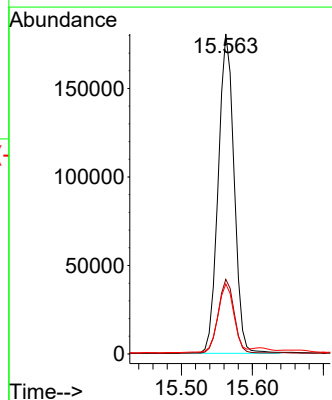
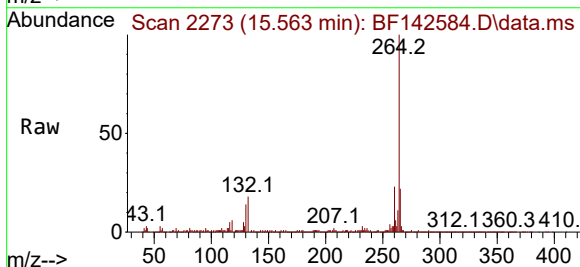
Instrument :
BNA_F
ClientSampleId :
TP-50

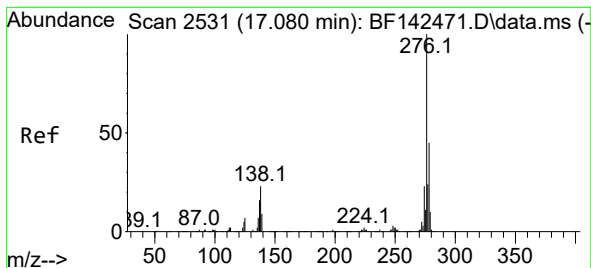
Tgt Ion:228 Resp: 122044
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 22.0 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:264 Resp: 279386
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.884 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

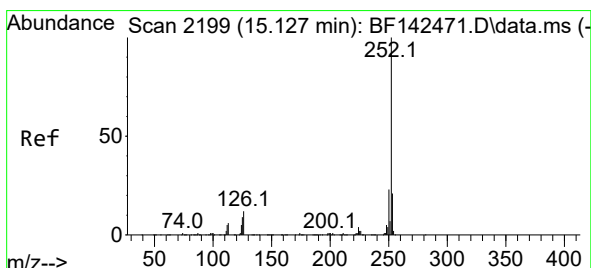
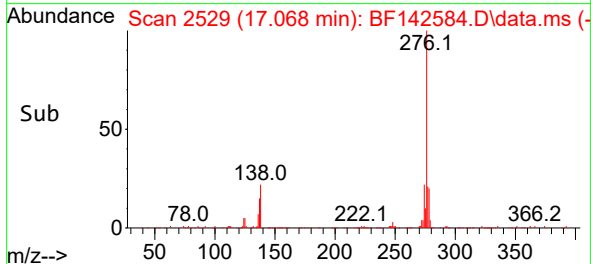
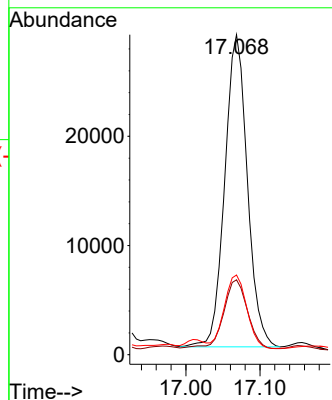
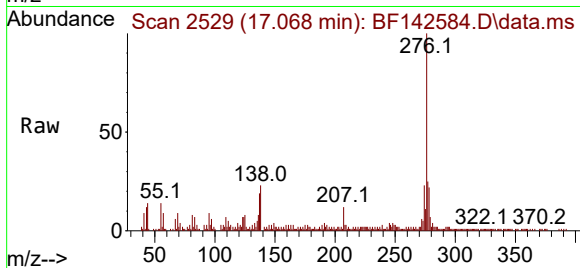
Tgt Ion:276 Resp: 60492

Ion Ratio Lower Upper

276 100

138 23.4 19.9 29.9

277 23.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.477 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

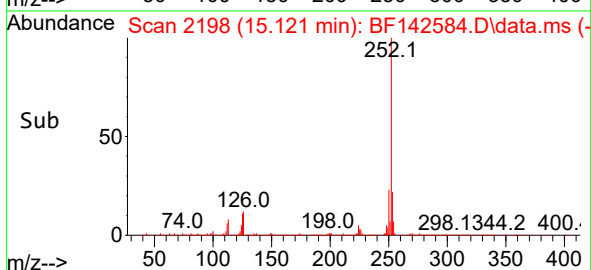
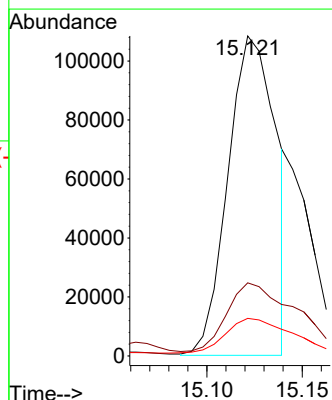
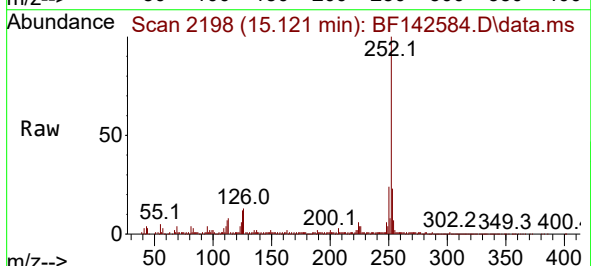
Tgt Ion:252 Resp: 189779

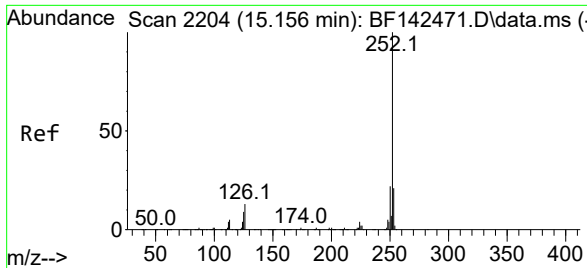
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.8 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.964 ng m

RT: 15.139 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

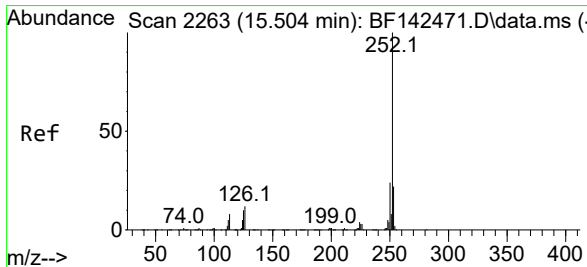
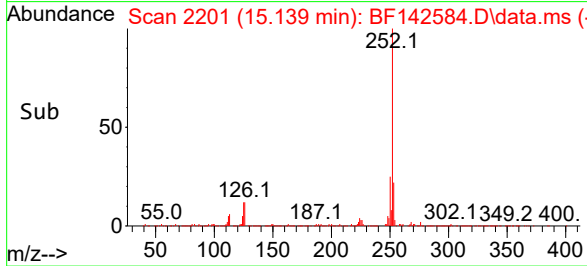
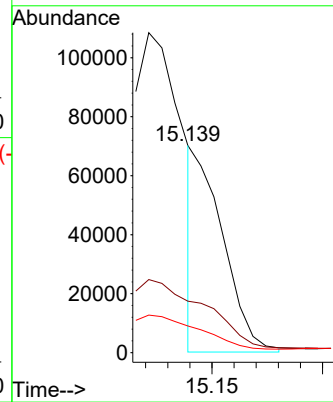
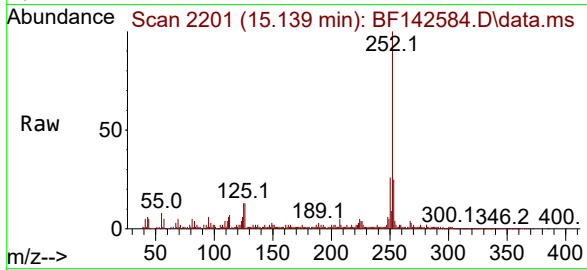
Tgt Ion:252 Resp: 61390

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.4

125 12.9 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 8.361 ng

RT: 15.498 min Scan# 2262

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

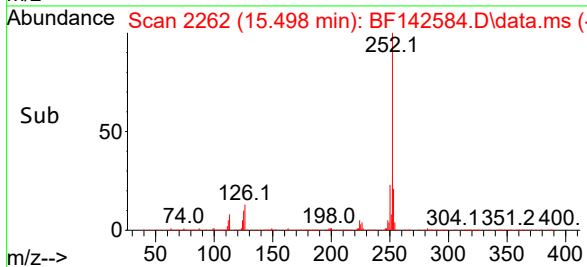
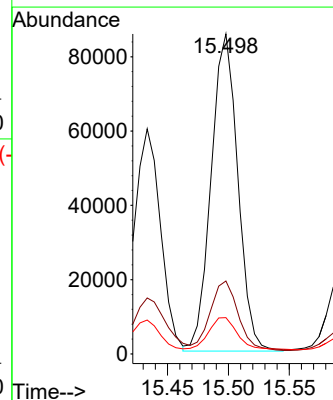
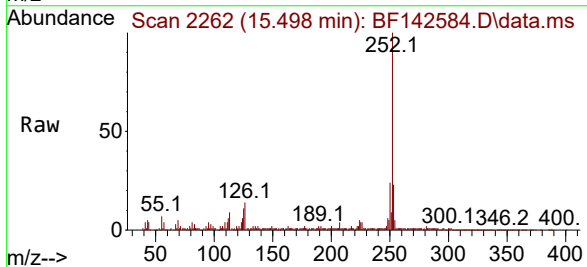
Tgt Ion:252 Resp: 130312

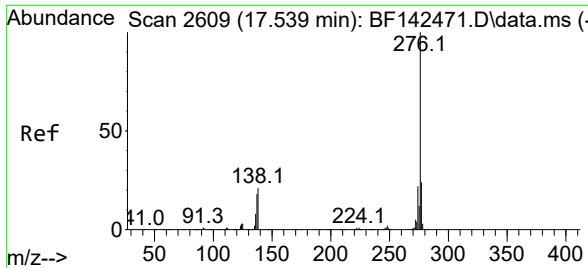
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.4 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.450 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.2	28.8
138	23.4	16.8	25.2

