

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142499.D
 Acq On : 21 May 2025 21:01
 Operator : RC/JU
 Sample : Q2074-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40

Quant Time: May 22 01:03:04 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)

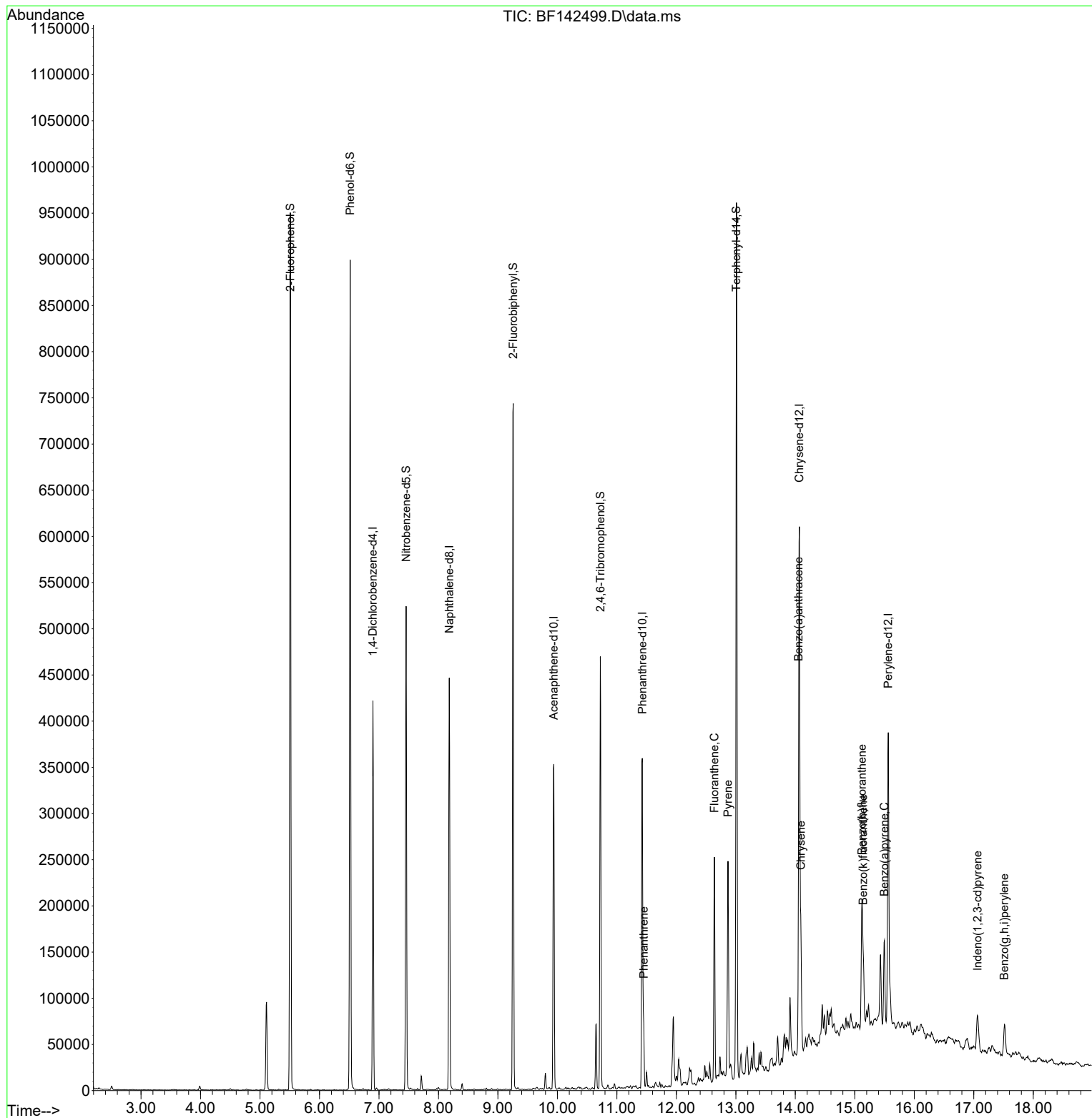
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	89492	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	278812	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	109897	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	193504	20.000	ng	0.00
76) Chrysene-d12	14.068	240	235469	20.000	ng	0.00
86) Perylene-d12	15.563	264	187788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	353027	66.460	ng	0.00
7) Phenol-d6	6.516	99	396878	62.068	ng	-0.02
23) Nitrobenzene-d5	7.457	82	210451	41.159	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	79280	64.999	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	339806	41.491	ng	-0.01
79) Terphenyl-d14	13.010	244	440991	25.593	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.451	178	39565	3.826	ng	99
75) Fluoranthene	12.639	202	134145	13.883	ng	100
78) Pyrene	12.869	202	133632	6.084	ng	99
81) Benzo(a)anthracene	14.057	228	81111	5.159	ng	94
83) Chrysene	14.092	228	74190	5.251	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	30312	2.150	ng	95
88) Benzo(b)fluoranthene	15.121	252	95326m	8.577	ng	
89) Benzo(k)fluoranthene	15.139	252	28178m	2.707	ng	
90) Benzo(a)pyrene	15.498	252	56929	5.434	ng	96
92) Benzo(g,h,i)perylene	17.515	276	29402	2.571	ng	96

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

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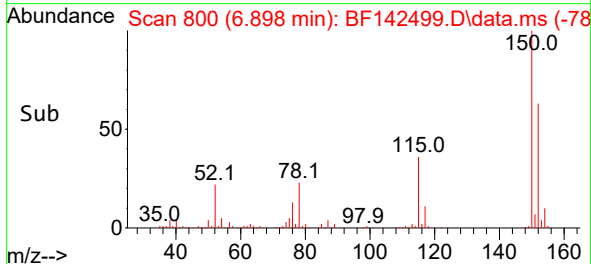
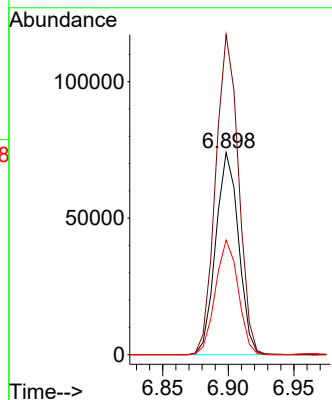
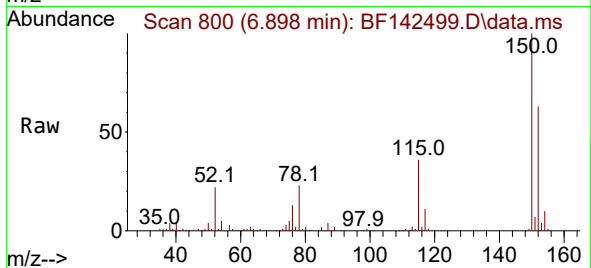




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

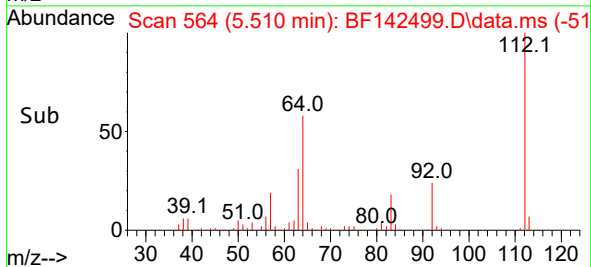
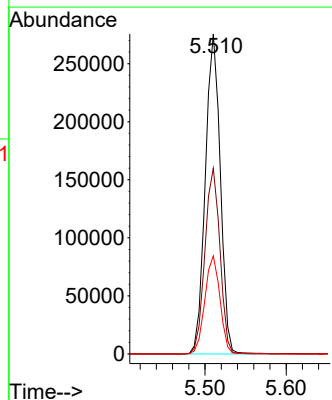
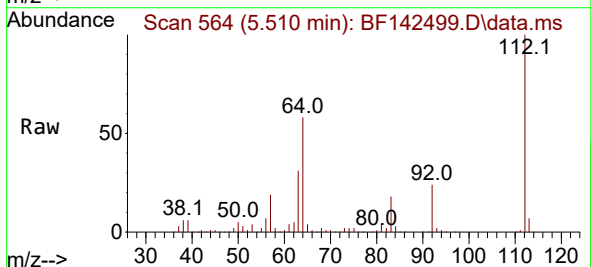
Instrument :
BNA_F
ClientSampleId :
TP-40

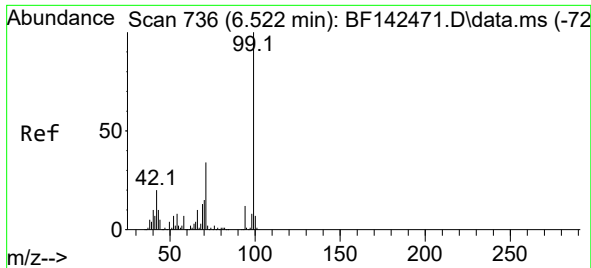
Tgt Ion:152 Resp: 89492
Ion Ratio Lower Upper
152 100
150 158.3 128.2 192.4
115 56.8 48.3 72.5



#5
2-Fluorophenol
Concen: 66.460 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

Tgt Ion:112 Resp: 353027
Ion Ratio Lower Upper
112 100
64 58.1 47.5 71.3
63 30.7 24.9 37.3

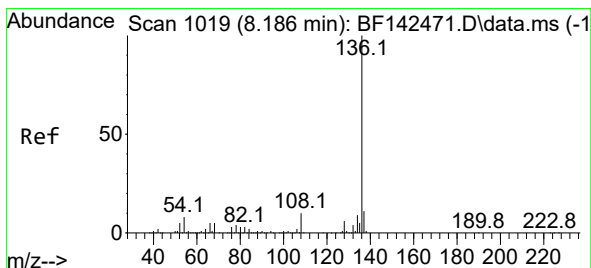
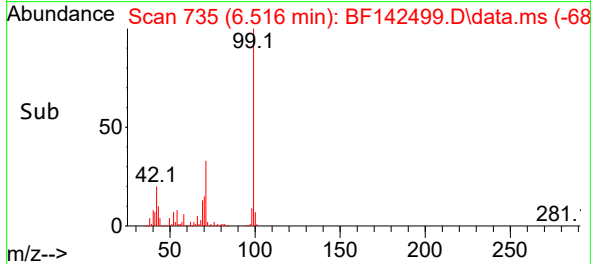
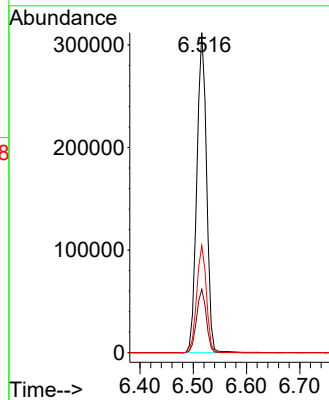
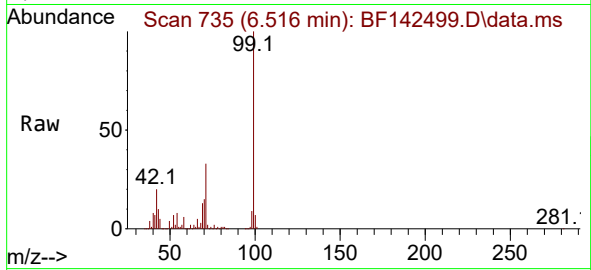




#7
Phenol-d6
Concen: 62.068 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

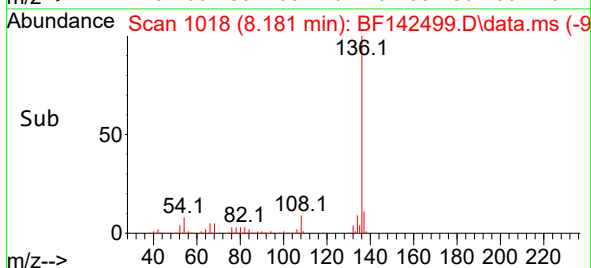
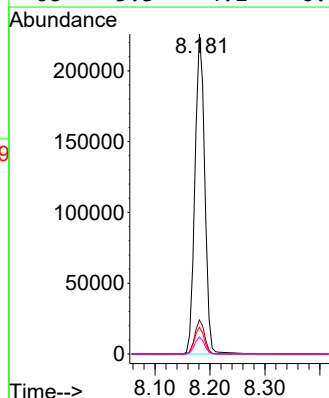
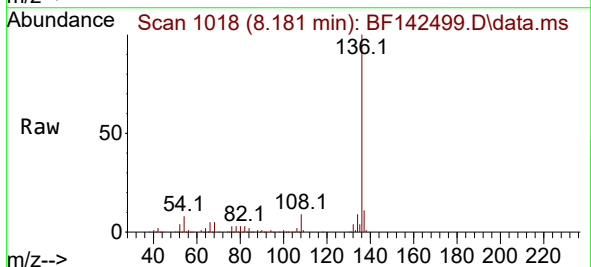
Instrument :
BNA_F
ClientSampleId :
TP-40

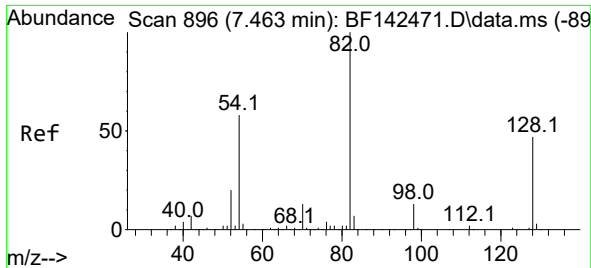
Tgt Ion: 99 Resp: 396878
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

Tgt Ion:136 Resp: 278812
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.4 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 41.159 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

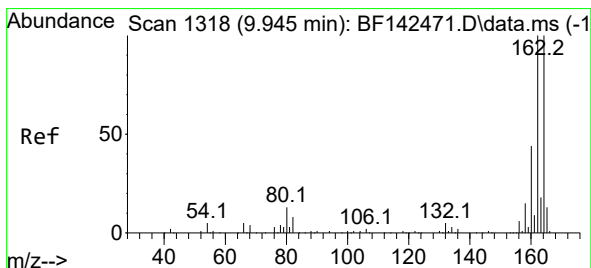
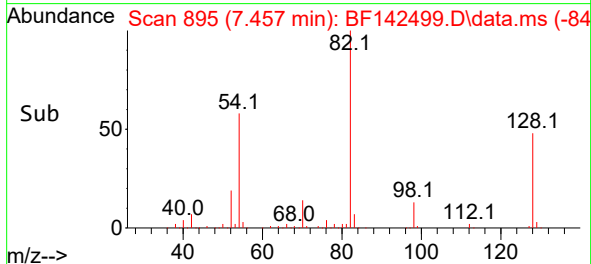
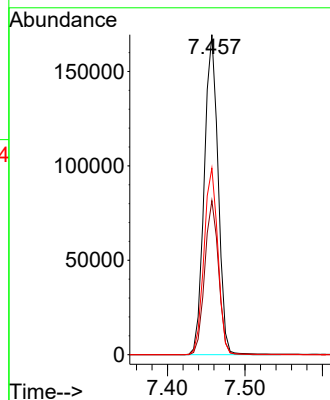
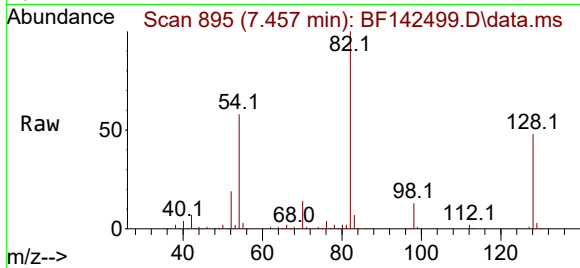
Tgt Ion: 82 Resp: 210451

Ion Ratio Lower Upper

82 100

128 48.2 37.4 56.2

54 58.3 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

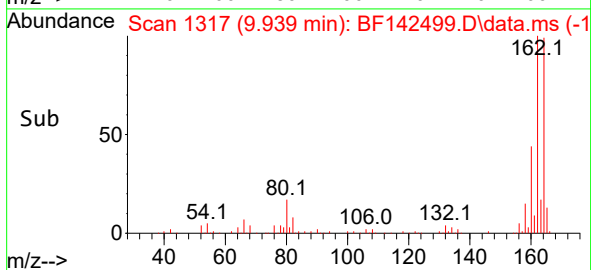
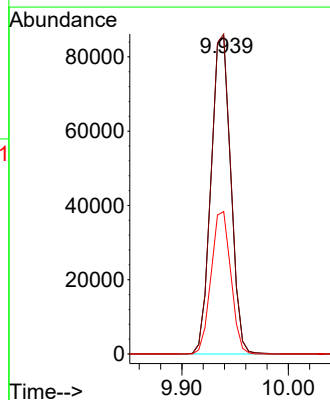
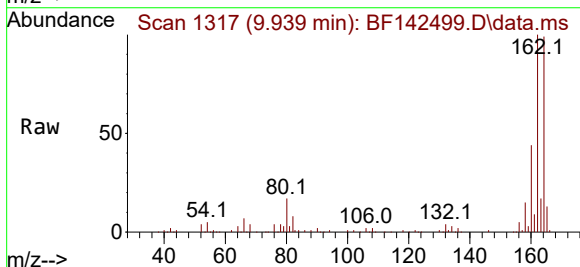
Tgt Ion:164 Resp: 109897

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.4

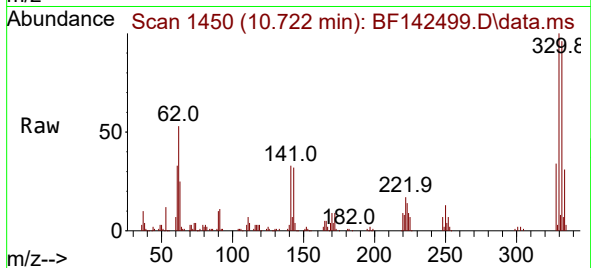
160 44.9 35.6 53.4



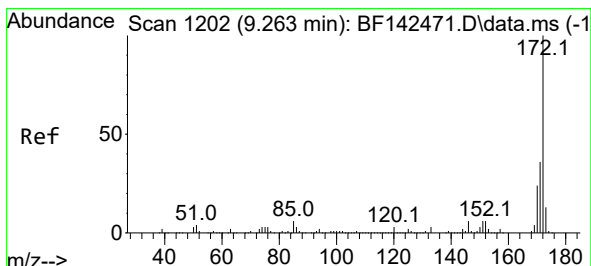
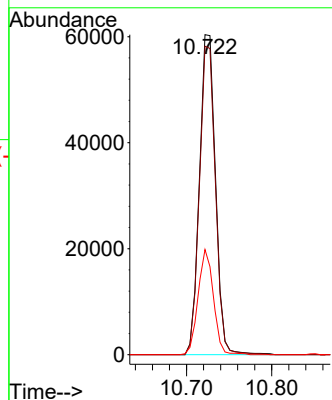
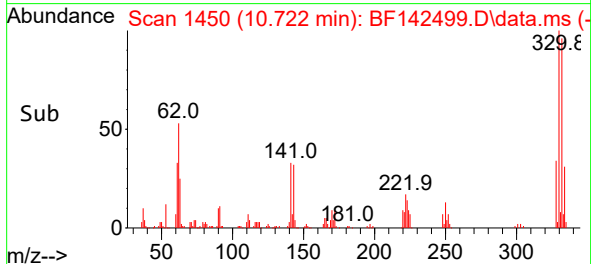


#42
2,4,6-Tribromophenol
Concen: 64.999 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

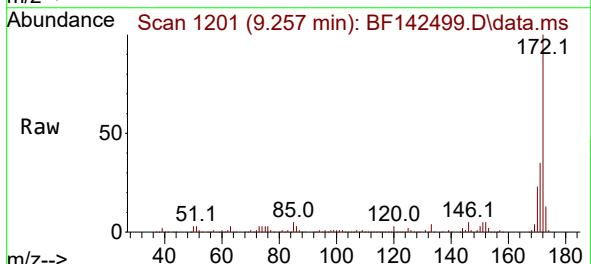
Instrument :
BNA_F
ClientSampleId :
TP-40



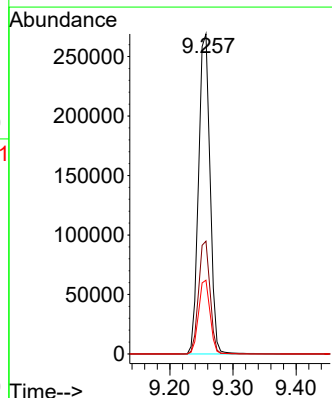
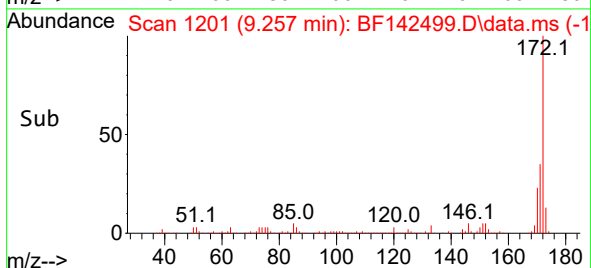
Tgt Ion:330 Resp: 79280
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 31.3 24.6 36.8

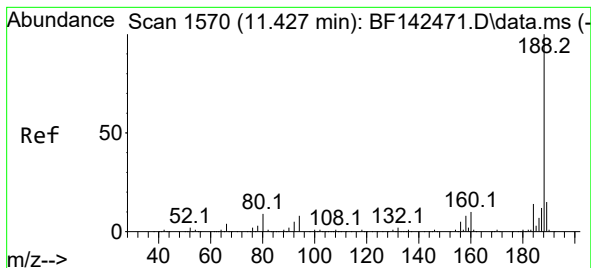


#45
2-Fluorobiphenyl
Concen: 41.491 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01



Tgt Ion:172 Resp: 339806
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.0 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

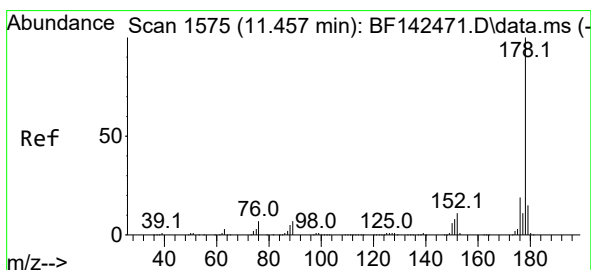
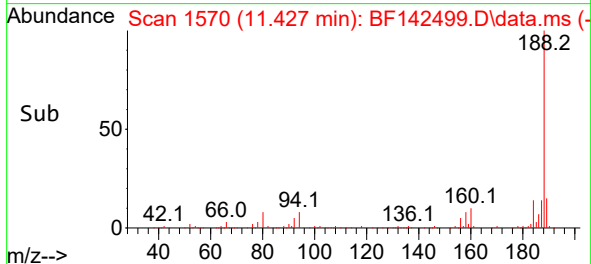
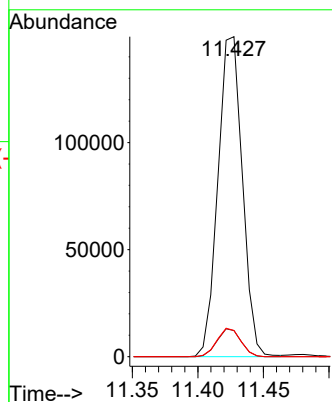
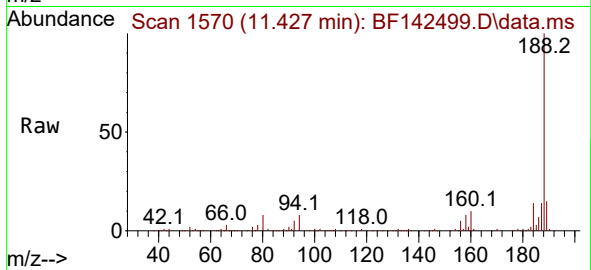
Tgt Ion:188 Resp: 193504

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.2 7.4 11.0



#71

Phenanthrene

Concen: 3.826 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

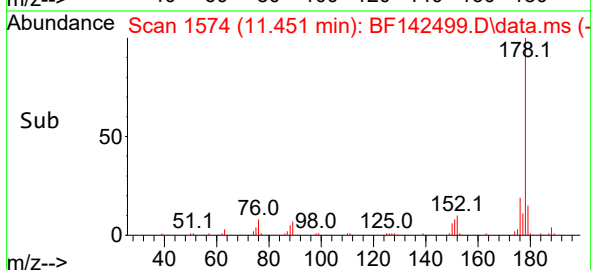
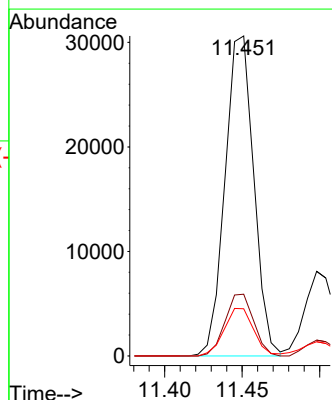
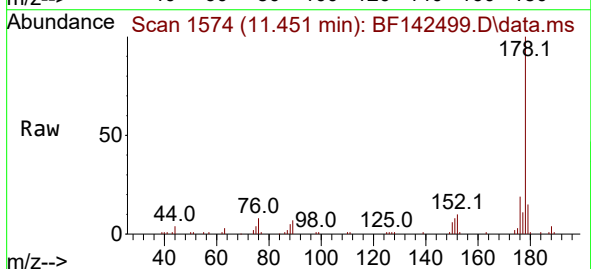
Tgt Ion:178 Resp: 39565

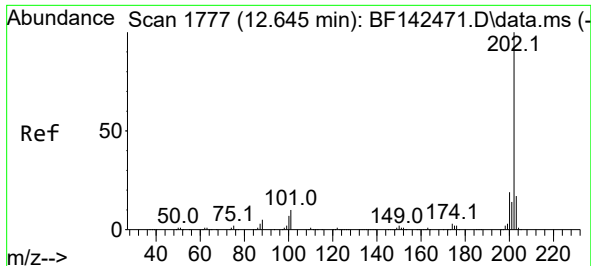
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 14.7 12.3 18.5

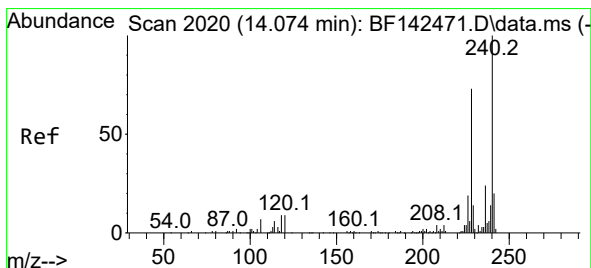
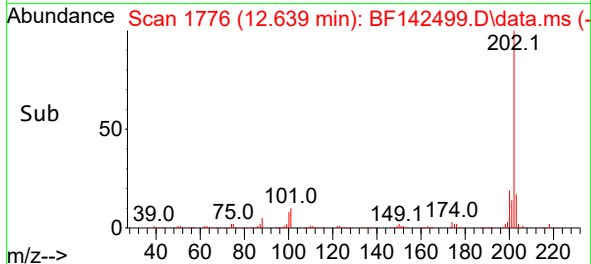
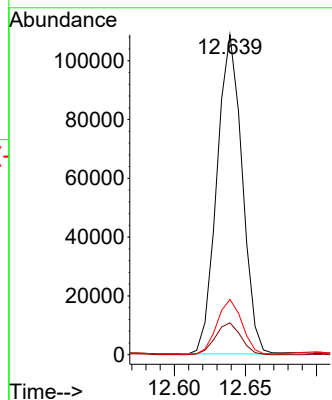
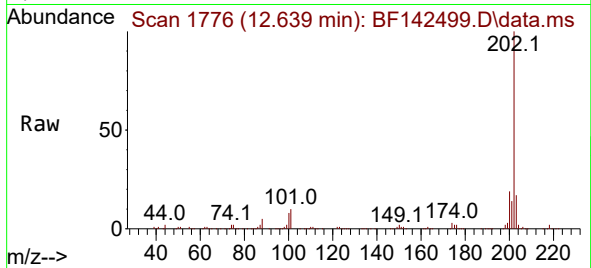




#75
Fluoranthene
Concen: 13.883 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

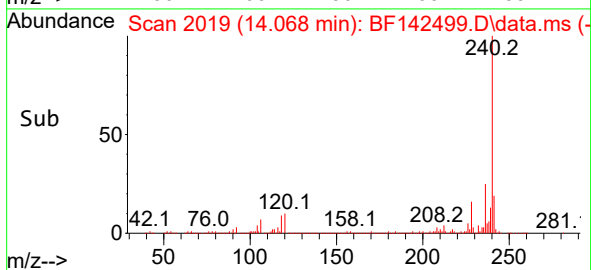
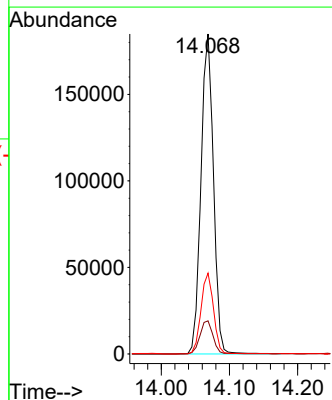
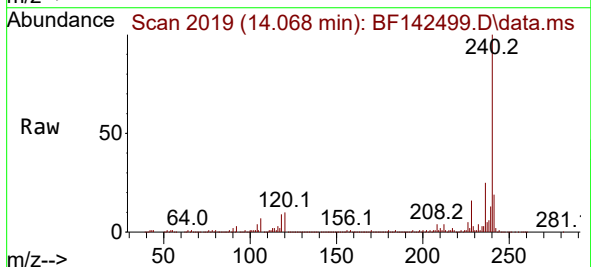
Instrument :
BNA_F
ClientSampleId :
TP-40

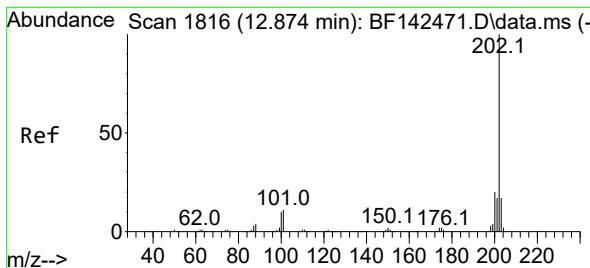
Tgt Ion:202 Resp: 134145
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

Tgt Ion:240 Resp: 235469
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 25.2 19.6 29.4





#78

Pyrene

Concen: 6.084 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

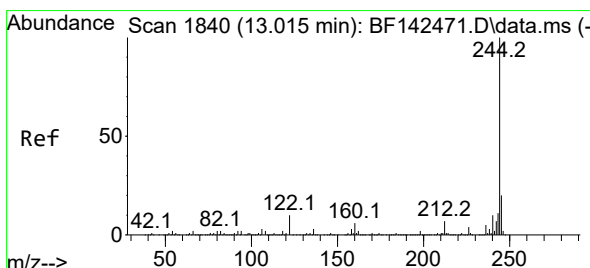
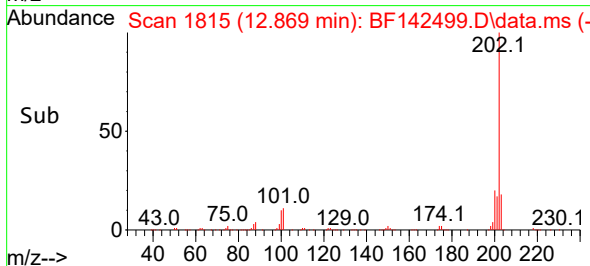
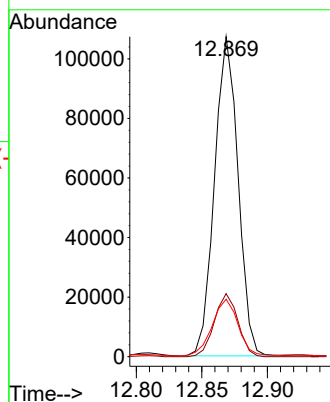
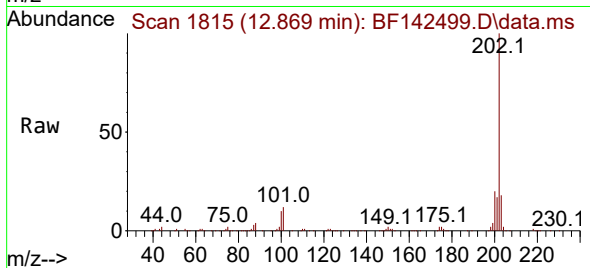
Tgt Ion:202 Resp: 133632

Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 25.593 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

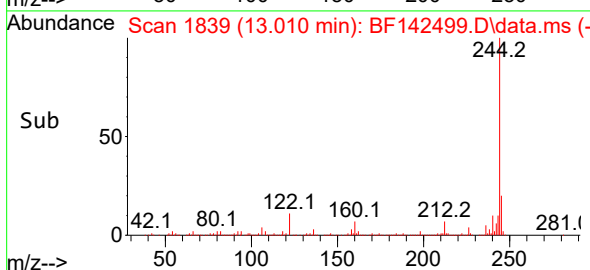
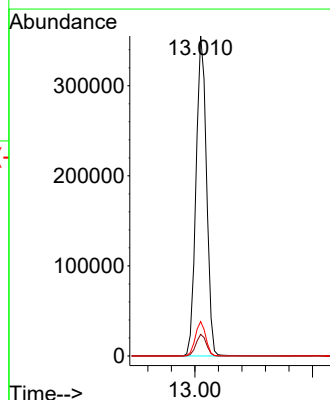
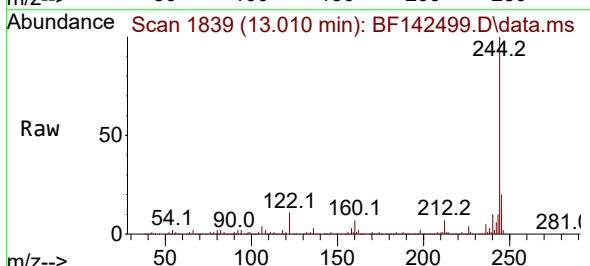
Tgt Ion:244 Resp: 440991

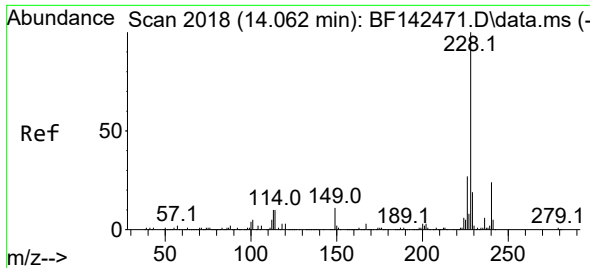
Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 10.7 8.2 12.2

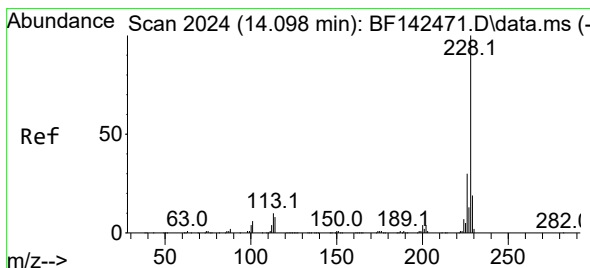
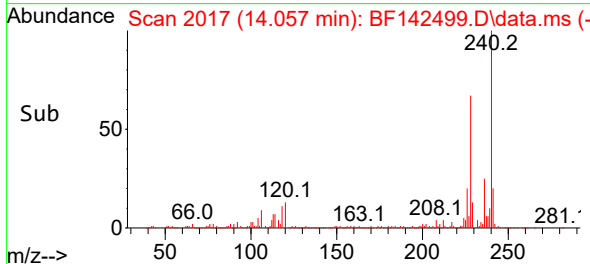
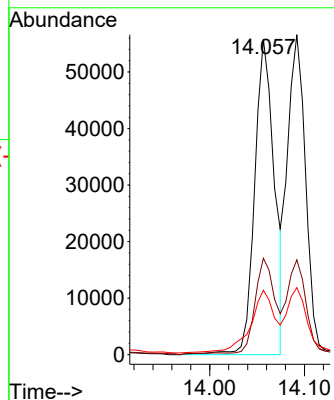
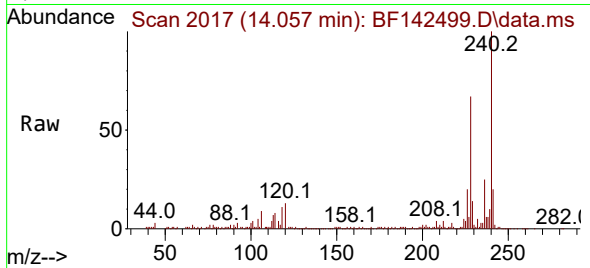




#81
Benzo(a)anthracene
Concen: 5.159 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

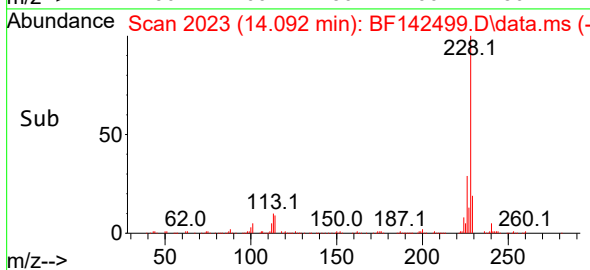
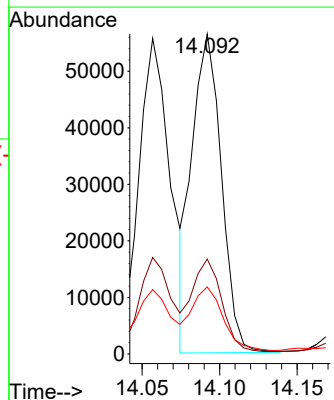
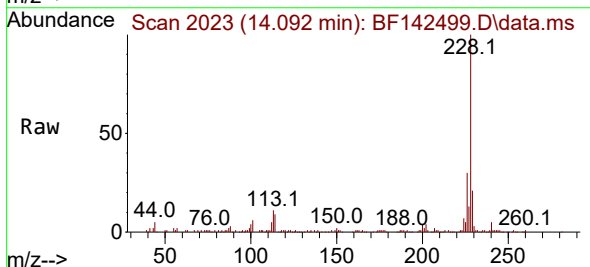
Instrument :
BNA_F
ClientSampleId :
TP-40

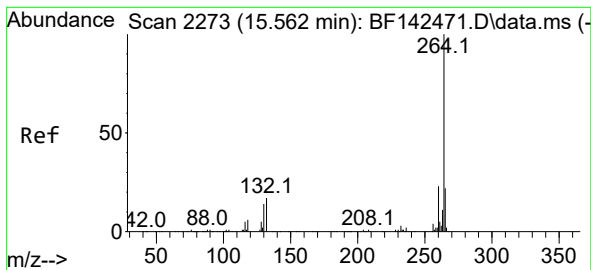
Tgt Ion:228 Resp: 81111
Ion Ratio Lower Upper
228 100
226 30.6 21.2 31.8
229 20.4 15.5 23.3



#83
Chrysene
Concen: 5.251 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142499.D
Acq: 21 May 2025 21:01

Tgt Ion:228 Resp: 74190
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 21.0 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

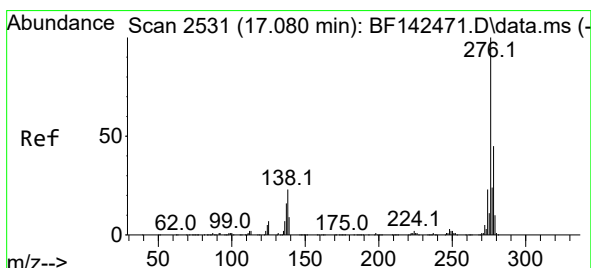
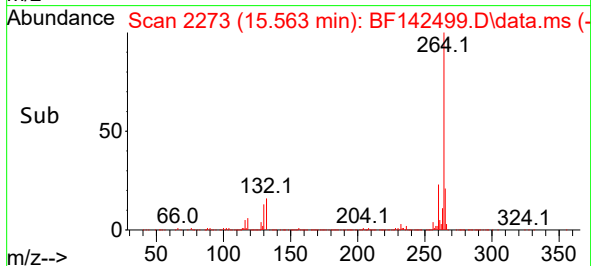
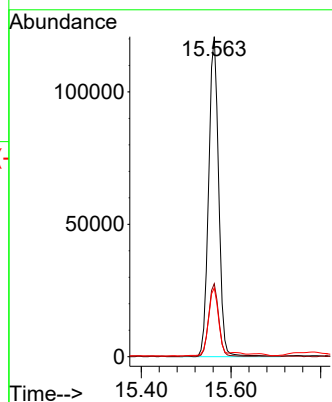
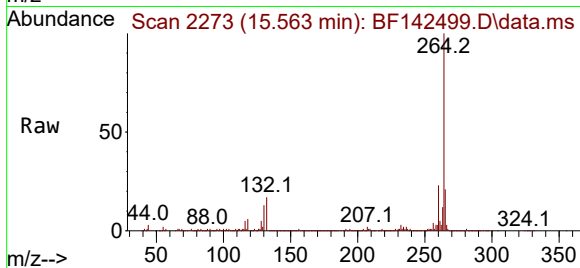
Tgt Ion:264 Resp: 187788

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.5 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.150 ng

RT: 17.062 min Scan# 2528

Delta R.T. -0.029 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

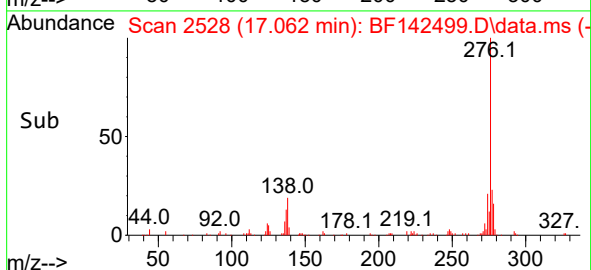
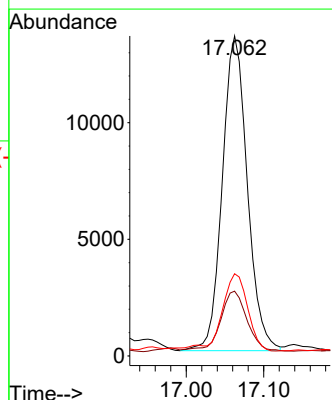
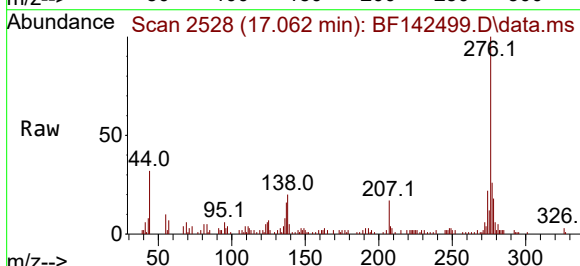
Tgt Ion:276 Resp: 30312

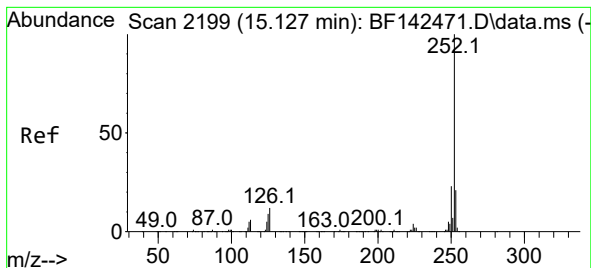
Ion Ratio Lower Upper

276 100

138 20.7 19.9 29.9

277 25.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.577 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

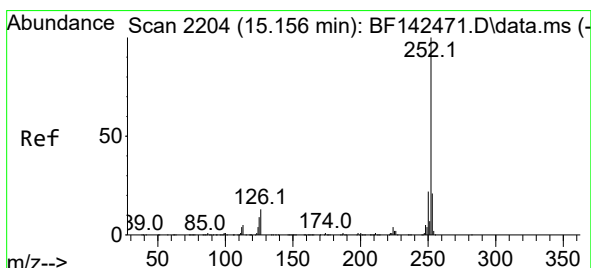
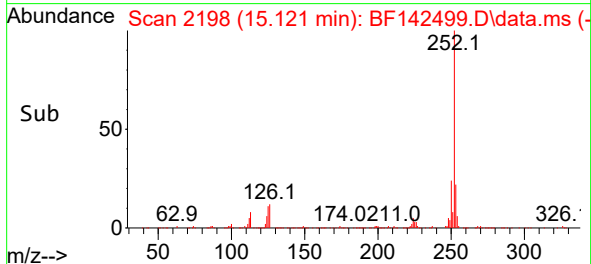
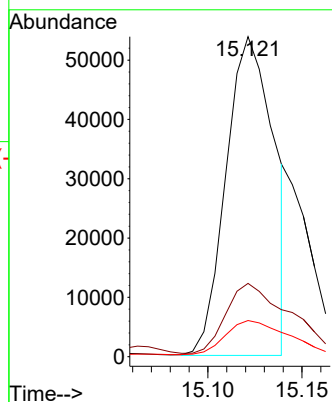
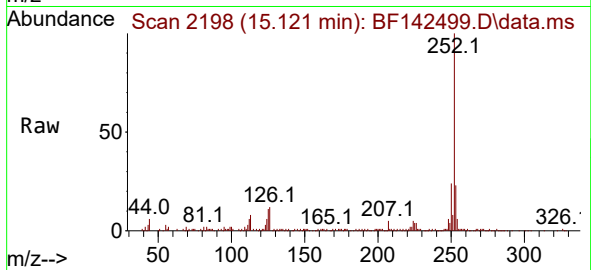
Tgt Ion:252 Resp: 95326

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 2.707 ng m

RT: 15.139 min Scan# 2201

Delta R.T. -0.023 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

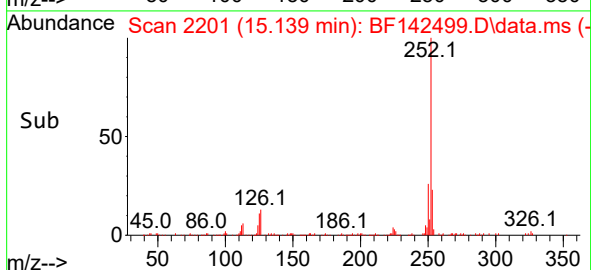
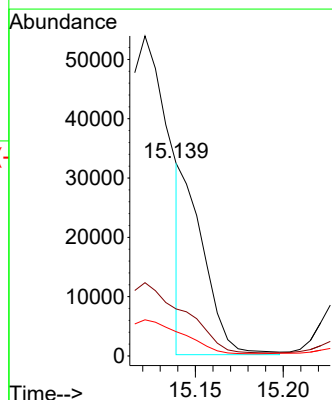
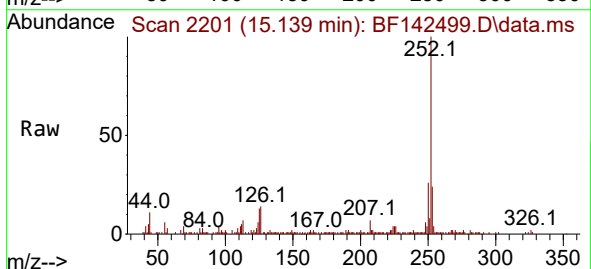
Tgt Ion:252 Resp: 28178

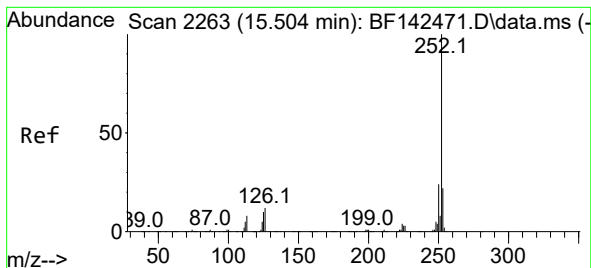
Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.4

125 12.6 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 5.434 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Instrument :

BNA_F

ClientSampleId :

TP-40

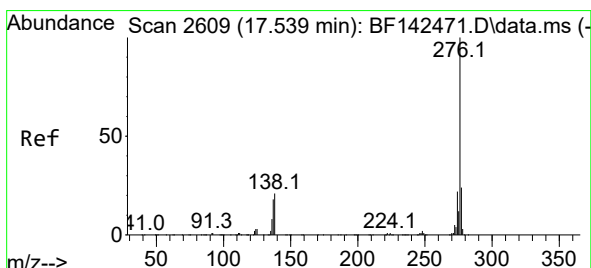
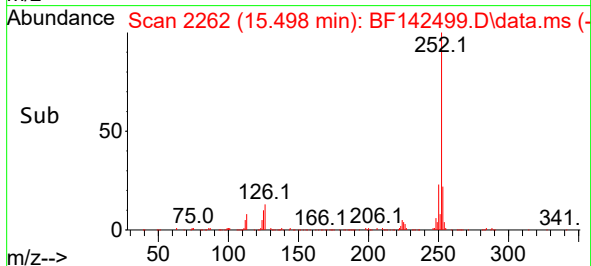
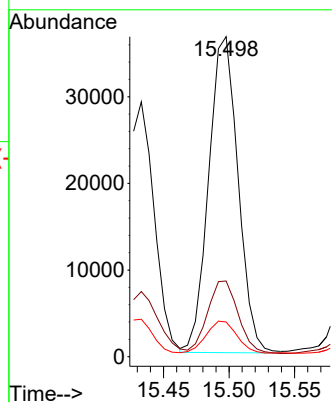
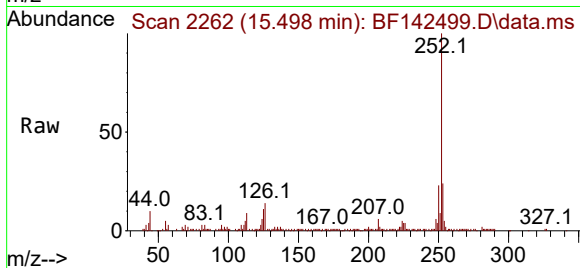
Tgt Ion:252 Resp: 56929

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 10.9 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 2.571 ng

RT: 17.515 min Scan# 2605

Delta R.T. -0.041 min

Lab File: BF142499.D

Acq: 21 May 2025 21:01

Tgt Ion:276 Resp: 29402

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 24.6 16.8 25.2

